Index of Patents

Issued from

THE UNITED STATES PATENT AND TRADEMARK OFFICE

PART I

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OF
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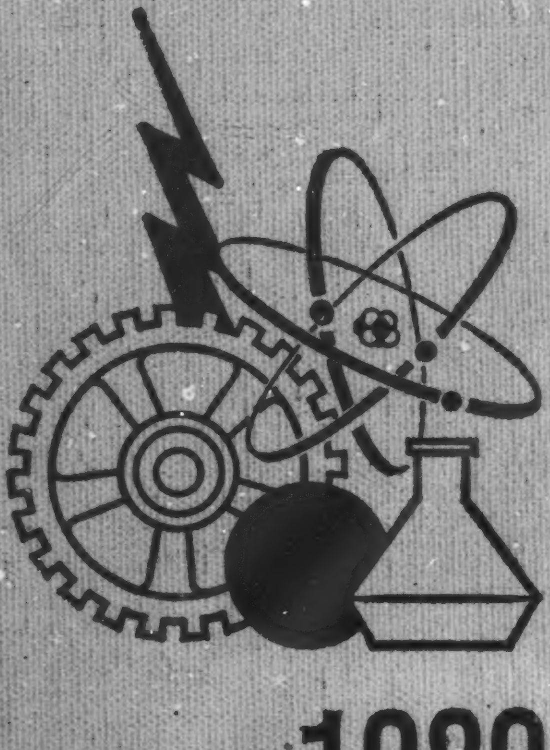

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Aardema, James A., to United States of America, Army. Variable stiffness spring suspension. 4,832,321, 5-23-89, Cl. 267-287.000.

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- Versteeg, Gijsbert, 4,842,220, Cl. 244-50.000.

Aarding Non Ferro Werk B.V.: *See—*
- den Hartog, Gerardus J. H., 4,887,970, Cl. 439-92.000.

Aardvark Corporation: *See—*
- Sweeney, Gerald T., 4,834,620, Cl. 417-53.000.

Aarestad, Jerome K., to Sundstrand Corporation. Centrifugal liquid pump. 4,880,352, 11-14-89, Cl. 415-182.100.

Aaron, Charles: *See—*
- Anderson, Gregory H.; and Tarrant, Alan B., 4,817,944, Cl. 272-123.000.

Aaron, David B.; and Wiley, John D., to Wisconsin Alumni Research Foundation. Magnetron with flux switching cathode and method of operation. 4,865,710, 9-12-89, Cl. 204-192.120.

Aaronson, Alan M.; Protzmann, Robert L.; and Tomko, John, to Akzo America Inc. Preparation of diaryl sulfones. 4,822,916, 4-18-89, Cl. 568-34.000.

Aaronson, Stuart A.: *See—*
- Lacal, Juan C.; and Aaronson, Stuart A., 4,820,631, Cl. 435-6.000.

Aarthun, Nils I.: *See—*
- Lofgren, Peter; and Aarthun, Nils I., 4,819,691, Cl. 137-556.000.

Aarts, Mathias L. C., to Product Suppliers AG. Method and an apparatus for detecting a possible leak in a vacuum package. 4,845,977, 7-11-89, Cl. 73-49.300.

Aarts, Mathias L. C., to Product Suppliers AG. Method of, and apparatus for, temporarily removing a product from a series of products being transported. 4,871,057, 10-3-89, Cl. 198-346.100.

Aarts, Petrus; Versluijs, Cornelis; and Schuitmaker, Pieter D., to U.S. Philips Corporation. Guide arrangement for guiding an object along a kinked path. 4,808,011, 2-28-89, Cl. 384-9.000.

Aasbo, Anders T.: *See—*
- Ege, Sigmund; Aasbo, Anders T.; and Heigh, Freddy, 4,834,618, Cl. 417-46.000.

Aasen, Robert K.; Turck, Donald C.; and Mathur, Anoop K., to Gas Research Institute. Advanced cogeneration control system. 4,802,100, 1-31-89, Cl. 364-494.000.

Aasen, Steven M.; Oxman, Joel D.; and Ubel, F. Andrew, III, to Minnesota Mining and Manufacturing Company. Organic fluoride sources. 4,871,786, 10-3-89, Cl. 523-113.000.

Aasen, Steven M.; and Oxman, Joel D., to Minnesota Mining and Manufacturing Company. Method for priming hard tissue. 4,880,660, 11-14-89, Cl. 427-2.000.

Aaslid, Rune, to Eden Medizinische Elektronik GmbH. Apparatus including doppler signal transducer for determing the position of an object. 4,817,621, 4-4-89, Cl. 128-662.030.

Aasta Pharma AG: *See—*
- Engel, Jurgen; and Scheffler, Gerhard, 4,841,047, Cl. 540-599.000.

AATEC Assembling-Automations Technik GmbH: *See—*
- Hinterlechner, Gerhard, 4,866,976, Cl. 72-456.000.

Aaton, R.G.: *See—*
- Beauviala, Jean-Pierre, 4,877,200, Cl. 242-205.000.

Aazon Industrial, Inc.: *See—*
- Davis, Charles; and Kennedy, Robert, 4,828,187, Cl. 241-24.000.

AB Akerlund & Rausing: *See—*
- Axelsson, Owe; Holmgren, Harry; and Birkenbeul, Heinz, 4,856,709, Cl. 229-125.340.
- Bergstrom, Magnus; Gersbro, Stefan; and Fransson, Jan-Olof, 4,811,855, Cl. 215-243.000.
- Bergstrom, Magnus; Gersbro, Per-Stefan; and Fransson, Jan-Olof, 4,811,957, Cl. 277-1.000.
- Bjorkengren, Carl-Axel; Bergstrom, Magnus; and Gersbro, Per-Stefan, 4,848,594, Cl. 222-1.000.
- Larsson, Lennart, 4,850,503, Cl. 220-265.000.
- Larsson, Lennart; Ullman, Bo; and Ohlsson, Hakan, 4,852,136, Cl. 378-58.000.
- Larsson, Lennart, 4,865,891, Cl. 428-35.900.
- Lindstam, Goran, 4,808,179, Cl. 604-408.000.
- Piltz, Lars E.; and Larsson, Lennart, 4,813,208, Cl. 53-449.000.

AB Asea-Atom: *See—*
- Andersson, Rolf J.; Pajes, Chajkiel; Hoglund, Kjell; Nilsson, Tore; Husebye, Ragnar; Hoyland, Sigbjorn; Lindland, Hans; Mong, Tore; and Nesse, Erling, 4,805,951, Cl. 294-116.000.
- DeMario, Edmund E.; Johansson, Anders; and Nylund, Olov, 4,839,136, Cl. 376-462.000.
- Hannerz, Kare, 4,859,406, Cl. 376-406.000.
- Lindner, Johann, 4,871,508, Cl. 376-260.000.
- Nylund, Olov, 4,795,608, Cl. 376-444.000.
- Nylund, Olov; and Scholin, Bertil, 4,826,653, Cl. 376-444.000.
- Nylund, Olov, 4,859,407, Cl. 376-446.000.

AB Bahco Ventilation: *See—*
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AB Biodisk: *See—*
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AB Carbogel: *See—*
- Mathiesen, Mait M.; Gillberg, Lars I.; Hellsten, Karl M. E.; and Karlsson, Gunvor B. T., 4,887,383, Cl. 44-51.000.

AB Fas Lasfabrik: *See—*
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AB Fellingsbro Verkstader: *See—*
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AB Leo: *See—*
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AB PROFOR: *See—*
- Rausing, Hans, 4,838,428, Cl. 206-603.000.

AB Sandvik Coromant: *See—*
- Faber, Kurt H. A. E.; Faber, Ute M. I.; Faber, Knut; Faber, Inken A. H.; and Faber, Andrea J., 4,854,764, Cl. 403-13.000.

AB Scaniainventor: *See—*
- Siwersson, Olle L.; Wall, Arne E.; and Loodberg, Jan A. T., 4,803,932, Cl. 110-260.000.

AB SKF: *See—*
- Hallerback, Stig, 4,796,743, Cl. 192-98.000.

AB Stratos: *See—*
- Nodfelt, Ingvar, 4,810,202, Cl. 439-289.000.
- Nodfelt, Ingvar, 4,884,861, Cl. 350-96.180.

AB Tetra Pak: *See—*
- Bergstrom, Anders; and Sevrell, Gosta, 4,796,746, Cl. 198-463.400.
- Bergstrom, Anders, 4,889,223, Cl. 198-364.000.
- Carlsson, Lars, 4,801,078, Cl. 229-123.200.
- Ekdahl, Gert; and Nystrom, Tommy, 4,842,906, Cl. 428-34.200.
- Franke, Rickard; and Martensson, Lars, 4,861,328, Cl. 493-470.000.
- Kobinata, Motochika, 4,796,800, Cl. 229-5.700.
- Lagerstedt, Jan; and Martensson, Kjell, 4,798,296, Cl. 206-631.200.
- Larsen, Arild, 4,802,664, Cl. 271-201.000.
- Lesse, Hakan, 4,838,468, Cl. 226-76.000.
- Nielsen, John E., 4,809,485, Cl. 53-503.000.
- Niske, Jorgen, 4,848,063, Cl. 53-451.000.
- Rausing, Hans, 4,796,760, Cl. 206-606.000.
- Rausing, Hans, 4,798,295, Cl. 206-621.600.
- Rausing, Hans, 4,811,849, Cl. 206-621.200.

AB Tore J Hedback: *See—*
- Engelbertsson, Karl-Magnus, 4,889,163, Cl. 137-625.320.

AB Volvo: *See—*
- Ahlbom, Sten H. N., 4,816,998, Cl. 364-424.020.
- Andersson, Lars; and Andersson, Sven, 4,876,907, Cl. 74-331.000.
- Bildtsen, Sven, 4,830,529, Cl. 403-4.000.
- Dahlen, Lars M. G.; Larsson, Lars E.; and Othzen, Bo L. A., 4,862,865, Cl. 123-669.000.
- Holmer, Ernst, 4,815,423, Cl. 123-90.600.
- Holmer, Ernst, 4,829,949, Cl. 123-90.390.
- Holmer, Ernst, 4,852,353, Cl. 60-605.100.
- Janiszewski, Grzegorz, 4,811,655, Cl. 74-331.000.
- Janiszewski, Grzegorz, 4,836,351, Cl. 192-48.910.
- Janiszewski, Grzegorz K., 4,799,395, Cl. 74-331.000.
- Janiszewski, Gzegorz; Sahlmen, Thomas; and Nystrom, Mats, 4,889,217, Cl. 192-48.910.
- Kronogard, Sven-Olof, deceased; Kronogard, Clas-Olof; and Kronogard, Hakan, 4,843,816, Cl. 60-39.183.
- Persson, Jan; and Rangstahl, Jan, 4,854,567, Cl. 269-71.000.
- Skoldheden, Per-Harald, 4,831,533, Cl. 364-426.040.
- Takman, Olle, 4,828,170, Cl. 237-12.30C.

AB Volvo Penta: *See—*
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- Van Selous, Joseph S.; and Abar, Robert B., 4,843,917, Cl. 74-868.000.

Abare, Wayne: *See—*
- Kumar, Prithvi R.; and Abare, Wayne, 4,888,675, Cl. 363-47.000.

Abatement Technologies, Inc.: *See—*
- Flannery, Gene; Crouse, T. Blair; and Patterson, Wesley L., 4,883,329, Cl. 312-1.000.

Abatjoglou, Anthony G.: *See—*
- Billig, Ernst; Abatjoglou, Anthony G.; and Bryant, David R., 4,885,401, Cl. 568-454.000.

ABB Atom AB: *See—*
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ABB Cerama AB: *See—*
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ABB Petercem S.A.: *See—*
- Macovschi, Mihail, 4,866,377, Cl. 324-202.000.

ABB Stal AB: *See—*
- Brannstrom, Roine, 4,860,536, Cl. 60-39.464.
- Granqvist, Evert; and Wike, Alf, 4,852,346, Cl. 60-39.464.
- Greis, Ingemar, 4,852,345, Cl. 60-39.464.
- Hjalmarsson, Lennart, 4,838,209, Cl. 122-4.00D.
- Jonsson, Arne, 4,854,854, Cl. 431-170.000.
- Mansson, Martin; and Torstenfelt, Ragnar, 4,860,535, Cl. 60-39.464.
- Nordstrom, Karl-Johan; and Torstenfelt, Ragnar, 4,863,342, Cl. 415-134.000.
- Pillai, Krishna K., 4,796,568, Cl. 122-4.00D.
- Pillai, Krishna K., 4,872,423, Cl. 122-4.00D.

Abba, William A.: *See—*
- Win, Maung H.; Hata, Stephen S.; Abba, William A.; and Olszewski, James, 4,833,003, Cl. 428-198.000.
- Win, Maung H.; Lloyd, William D.; Abba, William A.; and Daponte, Diego H., 4,853,142, Cl. 252-90.000.
- Win, Maung H.; Hata, Stephen S.; Abba, William A.; and Olszewski, James, 4,853,281, Cl. 428-286.000.

Abbagnaro, Louis A.: *See—*
- Wallgren, Linus E.; Mason, Bobby L.; Siegel, William J.; Olesen, Ole V.; and Abbagnaro, Louis A., 4,847,471, Cl. 219-497.000.
- Wallgren, Linus E.; Mason, Bobby L.; Siegel, William J.; Olesen, Ole V.; and Abbagnaro, Louis A., 4,855,572, Cl. 219-456.000.

Abbas, C. Christiaan; Gobrecht, Jens; Voboril, Jan; and Gruning, Horst, to BBC Brown Boveri AG. Semiconductor component. 4,849,800, 7-18-89, Cl. 357-38.000.

Abbasi, Hamid A., to Institute of Gas Technology. Fuel combustion. 4,846,665, 7-11-89, Cl. 431-1.000.

Abbate, Daniel. Water closet fastener. 4,850,063, 7-25-89, Cl. 4-252.00R.

Abbate, Mariarosa, to Abbate, Mariarosa; and Corti, Ciulio. Vacuum generator for stimulating the scalp. 4,836,192, 6-6-89, Cl. 128-38.000.

Abbaticchio, Mark J.: *See—*
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Abbatiello, Leonard A.: *See—*
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Abbazia, Leonard P.: *See—*
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Abbe, David C.; and Tatone, John M. Self-contained muffler attachment and conversion kit for small two-cycle engines. 4,858,722, 8-22-89, Cl. 181-243.000.
Abbe, Robert C.; Judell, Neil H.; and Poduje, Noel S., to ADE Corporation. Improved spatial resolution measurement system and method. 4,849,916, 7-18-89, Cl. 364-563.000.
Abbe, Robert C.; Poduje, Noel S.; and Judell, Neil H., to ADE Corporation. Wafer flatness station. 4,860,229, 8-22-89, Cl. 364-563.000.
Abbe, Ross E. Apparatus and method for removing the contents of a can. 4,872,802, 10-10-89, Cl. 414-417.000.
Abbeneyen, Willy N. V.: *See—*
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Abbestam, Goran: *See—*
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Abbeybench Limited: *See—*
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Abbin, Joseph P.; Andraka, Charles E.; Lukens, Laurance L.; and Moreno, James B., to United States of America, Energy. Liquid metal thermal electric converter. 4,868,072, 9-19-89, Cl. 429-11.000.
Abbing, Andreas; Bertling, Hannes; Kehl, George; Mergenthaler, Robert; Rischen, Dietmar; Schafer, Ernst-Dieter; Schmitt, Edgar; and Siegel, Heinz, to Robert Bosch GmbH. Brake booster. 4,882,976, 11-28-89, Cl. 91-376.00R.
Abbondandolo, Michael: *See—*
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Abbondanti, Alberto, to Westinghouse Electric Corp. Commutation circuit for load-commutated inverter induction motor drives. 4,847,747, 7-11-89, Cl. 363-138.000.
Abbondanti, Alberto, to Westinghouse Electric Corp. Load commutated inverter (LCI) induction motor drive. 4,870,338, 9-26-89, Cl. 318-809.000.
Abbondanti, Alberto: *See—*
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Kovalsky, Leonard J.; and Abbondanti, Alberto, 4,833,389, Cl. 318-803.000.
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Abbott, Adrian, to Plessey Overseas Limited. Method of and system for controlling a fluidic valve. 4,819,431, 4-11-89, Cl. 60-204.000.
Abbott Ball Company, The: *See—*
Bond, Roger A. L.; and Nigro, Stephen J., 4,835,911, Cl. 51-313.000.
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Abbott, David K.; and Riha, Hansjuergen, to Kavanagh, Noel Christopher. Liquid fuel consuming apparatus. 4,835,663, 5-30-89, Cl. 362-159.000.
Abbott, Jack E.: *See—*
Sabersky, Andrew P.; Littlestone, Nicholas; Abbott, Jack E.; Gibbons, William J.; D'Orazio, Robert R.; and Smith, Nathan R., 4,827,436, Cl. 364-559.000.
Abbott, Kathleen S.; and Willis, Frank M., to Du Pont de Nemours, E. I., and Company. Optical fiber feedthrough assembly having a rigidizing arrangement therein. 4,826,276, 5-2-89, Cl. 350-96.200.
Abbott Laboratories: *See—*
Adjei, Akwete L.; Johnson, Edwin S.; and Kesterson, James W., 4,851,211, Cl. 424-40.000.
Arvidson, Russell A.; Renick, James T.; Clegg, Robert D.; and Zimmer, Lawrence E., 4,886,504, Cl. 604-257.000.
Bailey, Mark W.; and Ulanday, Myrna G., 4,800,167, Cl. 436-66.000.
Beard, Robert W., 4,815,313, Cl. 73-4.00R.
Beard, Robert W., 4,825,876, Cl. 128-675.000.
Becker, Wallace E., 4,863,741, Cl. 424-465.000.
Becker, Wallace E., 4,874,614, Cl. 424-465.000.
Byrnes, Paul J.; Molina, Cynthia M.; Martinus, Janis A.; Vaughan, Kenward S.; and Smith, Catherine M., 4,868,132, Cl. 436-546.000.
Callison, Oscar H., 4,880,912, Cl. 530-361.000.
Chu, Daniel T.; and Rosen, Terry J., 4,859,776, Cl. 546-123.000.
Chu, Daniel T.; Rosen, Terry J.; and Cooper, Curt S., 4,880,814, Cl. 514-300.000.
Fong, Conrad T. O.; Grabenkort, Richard W.; and Huntley, Scott P., 4,863,016, Cl. 206-210.000.
Ford, Jayme R., 4,836,908, Cl. 204-435.000.
Geist, Jill M.; Messner, Scott C.; and Schapira, Thomas G., 4,889,612, Cl. 204-416.000.
Hayes, Donald J.; Wallace, David B.; Verlee, Donald J.; and Houseman, Kenneth R., 4,877,745, Cl. 436-166.000.
Holen, James T.; and Burke, Charles R., 4,814,282, Cl. 436-165.000.
Holen, James T.; and Kazlauskas, Vidas P., 4,883,763, Cl. 436-45.000.
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Katz, Leonard; Tuan, James; and McAlpine, James B., 4,874,748, Cl. 514-29.000.
Khalil, Gamal-Eddin; Gouterman, Martin P.; and Green, Edmond, 4,810,655, Cl. 436-138.000.
Larkin, Mark E.; and Ogden, John E., 4,840,621, Cl. 604-29.000.
Lu, Mou-Ying F.; and Borodkin, Saul, 4,808,411, Cl. 424-441.000.
Luly, Jay R.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Plattner, Jacob J.; Rosenberg, Saul H.; and Sham, Hing L., 4,826,815, Cl. 514-19.000.
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Pastrone, John; Chamness, Leland D.; Fellingham, George H.; and Jimison, Walter L., 4,818,186, Cl. 417-63.000.
Pastrone, John; Fellingham, George H.; and Lawless, Michael, 4,821,558, Cl. 73-19.000.
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Sacks, Barry A.; Gould, Arnold S.; Manzo, Michael P.; and Ciannella, Michael A., 4,826,481, Cl. 604-54.000.
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Summers, James B.; and Stewart, Andrew O., 4,822,809, Cl. 514-367.000.
Summers, James B., 4,822,811, Cl. 514-411.000.
Summers, James B., Jr.; Gunn, Bruce P.; and Brooks, Dee W., 4,873,259, Cl. 514-443.000.
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Abbott Laboratories Ltd.: *See—*
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Abbott, Martyn S., to Quest Medical, Inc. Infusion pump with direct pressure sensing. 4,840,542, 6-20-89, Cl. 417-9.000.
Abbott, Michael L.; and Lewis, Donald R., to United States of America, Energy. Submersible purification system for radioactive water. 4,828,691, 5-9-89, Cl. 210-87.000.
Abbott, Neil M. Ratchet tap wrench. 4,799,832, 1-24-89, Cl. 408-123.000.
Abbott, Richard E.: *See—*
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Abbott, Steven R., to United States of America, Energy. Integrally formed radio frequency quadrupole. 4,885,470, 12-5-89, Cl. 250-396.00R.
Abbott, Thomas I.; Dickerson, Robert E.; and Youngblood, Michael P., to Eastman Kodak Company. Photographic recording material comprising leuco dye for cold silver image tone. 4,865,958, 9-12-89, Cl. 430-542.000.
Abbott, William L.; and Peters, W. Gordon. Collapsible monopod cart. 4,826,187, 5-2-89, Cl. 280-35.000.
Abbott, Woodrow A.; and Durossette, Leo J. Fluid filter with improved electrode and spacer configuration. 4,800,011, 1-24-89, Cl. 204-302.000.
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Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., to Imperial Chemical Industries plc. Acryloxy-containing compounds. 4,880,931, 11-14-89, Cl. 544-316.000.
Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., to Imperial Chemical Industries plc. Methacryloxy-containing compounds. 4,883,873, 11-28-89, Cl. 544-316.000.
Abbratozzato, Salvatore R.: *See—*
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Abbringh, Johannes F., to Schut's Im- & Exporthandel B.V. Capacitive displacement meter or transducer. 4,837,500, 6-6-89, Cl. 324-61.00R.
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ABC Bio-Industries: *See—*
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ABC Extrusion Company Inc.: *See—*
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Brooks, Jackson R., 4,865,066, Cl. 135-101.000.
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ABC Rail Corporation: *See—*
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ABC/Sebrn Tech Corp.: *See—*
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Abdelgawad, Ahmed: *See—*
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Abdelsayed, William E.: *See—*
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Abdi, Behrooz L., to Motorola, Inc. Current mode logic gate. 4,868,423, 9-19-89, Cl. 307-455.000.
Abdo, Suheil F., to Union Oil Company of California. Nickel-containing hydrocracking catalyst. 4,816,538, 3-28-89, Cl. 502-66.000.
Abdo, Suheil F.; and Moorehead, Eric L., to Union Oil Company of California. Hydroprocessing with a specific pore sized catalyst containing non-hydrolyzable halogen. 4,844,792, 7-4-89, Cl. 208-111.000.
Abdo, Suheil F., to Union Oil Company of California. Hydrocracking process utilizing a catalyst having a reduced zeolite content. 4,857,169, 8-15-89, Cl. 208-59.000.
Abdo, Suheil F.; Moorhead, Eric L.; and Ward, John W., to Union Oil Company of California. Process and catalyst for the dewaxing of shale oil. 4,867,861, 9-19-89, Cl. 208-27.000.
Abdo, Suheil F.: *See—*
Koepke, Jeffery W.; and Abdo, Suheil F., 4,871,445, Cl. 208-89.000.
Kokayeff, Peter; and Abdo, Suheil F., 4,827,076, Cl. 585-737.000.
Kokayeff, Peter; and Abdo, Suheil F., 4,886,935, Cl. 585-737.000.
Abdoo, David G., to Schlumberger Systems and Services, Inc. Timing signal generator. 4,864,160, 9-5-89, Cl. 307-269.000.
Abdou-Sabet, Sabet: *See—*
Patel, Raman; Wang, Yun L.; and Abdou-Sabet, Sabet, 4,808,665, Cl. 525-133.000.
Abdukarimov, Erkin T.: *See—*
Vakhidov, Khaidar A.; and Abdukarimov, Erkin T., 4,851,634, Cl. 219-69.150.
Abdulwahab, Munib; Burkhardt, James L.; and McCann, John J., to Polaroid Corporation. Method of and apparatus for transforming color image data on the basis of an isotropic and uniform colorimetric space. 4,839,721, 6-13-89, Cl. 358-80.000.
Abe, Akihiro; Kamata, Akinori; Yoshino, Satoshi; and Terada, Hirotomo, to Fujitsu Limited. Shuttle printer which stops shuttle for paper feed. 4,819,556, 4-11-89, Cl. 101-93.040.
Abe, Akira; Kishimoto, Shinzo; and Ogawa, Yasuhisa, to Fuji Photo Film Co., Ltd. Method for bleaching color photographic material. 4,822,725, 4-18-89, Cl. 430-393.000.
Abe, Akira; Mihayashi, Keiji; Kobayashi, Hidetoshi; and Kato, Hirohiko, to Fuji Photo Film Co., Ltd. Silver halide color photographic material and method for processing the same. 4,840,877, 6-20-89, Cl. 430-350.000.
Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, to Fuji Photo Film Co., Ltd. Method for processing silver halide-containing photosensitive material for color photography. 4,857,441, 8-15-89, Cl. 430-393.000.
Abe, Akira; Mihayashi, Keiji; and Ichijima, Seiji, to Fuji Photo Film Co., Ltd. Method for processing a silver halide color photographic material while replenishing washing water and stabilizing solution. 4,873,179, 10-10-89, Cl. 430-382.000.
Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, to Fuji Photo Film Co., Ltd. Method of and apparatus for processing silver halide-containing photosensitive material for color photography. 4,876,180, 10-24-89, Cl. 430-393.000.
Abe, Akira: *See—*
Fujita, Yoshihiro; and Abe, Akira, 4,855,218, Cl. 430-428.000.
Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; Nishikawa, Toshihiro; Sakanoue, Kei; and Abe, Akira, 4,865,962, Cl. 430-567.000.
Kishimoto, Shinzo; Nishikawa, Toshihiro; Abe, Akira; and Nakajima, Junya, 4,798,784, Cl. 430-382.000.
Nishikawa, Toshihiro; and Abe, Akira, 4,804,617, Cl. 430-393.000.
Takase, Haruo; Uenaka, Kazushige; Abe, Akira; and Fujita, Yoshihiro, 4,857,950, Cl. 354-324.000.
Abe, Atsushi: *See—*
Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Nishikawa, Masahiro; Matsuoka, Tomizo; and Abe, Atsushi, 4,847,609, Cl. 340-781.000.
Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Abe, Atsushi; and Matsuoka, Tomizo, 4,888,246, Cl. 428-432.000.
Nishikawa, Masahiro; Tohda, Takao; Kuwata, Jun; Fujita, Yosuke; Matsuoka, Tomizo; and Abe, Atsushi, 4,869,973, Cl. 428-690.000.
Tohda, Takao; Matsuoka, Tomizo; Fujita, Yosuke; Abe, Atsushi; and Nitta, Tsuneharu, 4,814,668, Cl. 313-506.000.
Abe, Daisuke: *See—*
Maniwa, Yoshio; Morita, Takashi; Niro, Masaichi; Abe, Daisuke; and Nagayama, Haruhiko, 4,872,091, Cl. 361-424.000.
Abe, Eiichi: *See—*
Sato, Isamu; Ishida, Masato; Abe, Eiichi; and Takeda, Hiroaki, 4,855,767, Cl. 346-160.000.
Abe, Fumihiko: *See—*
Tamura, Junichi; Hara, Ryoichi; Abe, Fumihiko; and Koaizawa, Hisashi, 4,884,290, Cl. 378-83.000.
Abe, Fuminori: *See—*
Umezawa, Hamao, deceased; Takeuchi, Tomio; Ishizuka, Masaaki; Abe, Fuminori; Fujii, Akio; and Nakamura, Teruya, 4,851,446, Cl. 514-620.000.
Abe, Fumio. Porous membrane for use in reaction process. 4,865,630, 9-12-89, Cl. 55-158.000.
Abe, Fumiyoshi: *See—*
Yamanaka, Masaaki; and Abe, Fumiyoshi, 4,805,053, Cl. 360-72.300.
Abe, Hajime: *See—*
Nishiyama, Sinichi; Abe, Hajime; Seki, Kuniaki; and Hagiwara, Noboru, 4,838,063, Cl. 72-47.000.
Abe, Hideaki, to NEC Corporation. Electrophotographic recording apparatus for forming a multicolor image. 4,819,028, 4-4-89, Cl. 355-4.000.
Abe, Hideo: *See—*
Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.
Kusaba, Takashi; Abe, Hideo; Torao, Akira; Furukawa, Kusuo; Yanagimoto, Takayuki; and Sasaki, Hiroaki, 4,841,611, Cl. 29-121.200.
Abe, Hidetoshi: *See—*
Nonomura, Tsutomu; and Abe, Hidetoshi, 4,873,924, Cl. 101-146.000.
Abe, Hikonori: *See—*
Shigeta, Masatomo; Abe, Hikonori; and Nishiyama, Shinichi, 4,800,887, Cl. 128-639.000.
Abe, Hiraku; Takahashi, Yoshihiro; and Shimojima, Yoji, to Alps Electric Co., Ltd. Code wheel for a reflective type optical rotary encoder. 4,806,751, 2-21-89. Cl. 250-231.0SE.
Abe, Hiraku; and Tokunaga, Ichiro, to Alps Electric Co., Ltd. Magnetic sensor. 4,845,456, 7-4-89, Cl. 338-32.00R.
Abe, Hiroki: *See—*
Mimuro, Tetsushi; Abe, Hiroki; Honda, Masahiro; and Mitsui, Takeshi, 4,884,647, Cl. 180-140.000.
Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, 4,846,496, Cl. 280-689.000.
Abe, Hiroshi, to Asahi Seiko Kabushiki Kaisha. Sensor coil for discriminating coin acceptor or rejector. 4,842,119, 6-27-89, Cl. 194-317.000.
Abe, Hirotsugu: *See—*
Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,821,006, Cl. 333-202.000.
Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,839,773, Cl. 361-321.000.
Abe, Hiroyuki: *See—*
Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.
Abe, Hitoshi: *See—*
Nishizawa, Junichi; Abe, Hitoshi; and Suzuki, Soubei, 4,806,321, Cl. 422-245.000.
Abe, Isao: *See—*
Matsumoto, Osamu; Abe, Isao; and Nakashiro, Takeshi, 4,859,882, Cl. 307-530.000.
Abe, Junnosuke: *See—*
Kajiura, Toshihiro; Oita, Norio; Abe, Junnosuke; and Sugiyama, Seiji, 4,830,194, Cl. 209-580.000.
Abe, Kaoru: *See—*
Yanaihara, Noboru; and Abe, Kaoru, 4,855,406, Cl. 530-324.000.
Abe, Katsuhiro: *See—*
Nagaoka, Kenji; Tatsukami, Yoshiharu; Fujiwara, Masahiro; Abe, Katsuhiro; Yano, Kazunori; and Matsui, Ryuhei, 4,868,276, Cl. 528-215.000.
Abe, Katsunobu: *See—*
Taya, Shunroku; Abe, Katsunobu; and Shibata, Atsushi, 4,839,523, Cl. 250-492.200.
Abe, Kazuaki: *See—*
Tsubouchi, Toshiyuki; Abe, Kazuaki; and Hata, Hitoshi, 4,840,745, Cl. 252-73.000.
Abe, Kazumi: *See—*
Yuasa, Masami; Abe, Kazumi; Shibamoto, Masaji; and Yakabe, Masahiro, 4,812,208, Cl. 162-343.000.
Abe, Kazutoshi: *See—*
Togo, asahiko; and Abe, Kazutoshi, 4,824,909, Cl. 525-124.000.
Abe, Kazuyoshi; and Yazaki, Kazuhiko, to Nissan Motor Company, Limited. Bar-code label applicable for bar-code controlled manufacturing including painting process and production method therefor. 4,837,904, 6-13-89, Cl. 29-34.00R.
Abe, Kazuyoshi: *See—*
Tamura, Kinichi; Kawada, Susumu; Sekine, Yoshitada; Abe, Kazuyoshi; Ishikawa, Ryosuke; and Yokota, Fumiki, 4,811,935, Cl. 269-34.000.
Abe, Keiko, to Sony Corp. Character recognition system. 4,850,025, 7-18-89, Cl. 382-9.000.
Abe, Keizo: *See—*
Yamazaki, Iwao; Nakamichi, Yuji; Abe, Keizo; and Okudera, Tatsuya, 4,813,412, Cl. 128-303.130.
Abe, Kenji: *See—*
Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; and Hosono, Yoichi, 4,798,781, Cl. 430-270.000.
Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, 4,859,569, Cl. 430-270.000.
Abe, Kiyoshi: *See—*
Hamada, Takeaki; Okada, Akio; Abe, Kiyoshi; Udagawa, Katsuhiro; Okazaki, Fumitoshi; and Fujino, Kouji, 4,837,877, Cl. 5-10.00B.
Abe, Kiyoto: *See—*
Nasu, Masahiro; and Abe, Kiyoto, 4,805,047, Cl. 360-65.000.
Nasu, Masahiro; and Abe, Kiyoto, 4,882,639, Cl. 360-65.000.

Abe, Koichi: *See*—
Naito, Susumu; Abe, Koichi; Kiga, Hidetaka; and Onda, Yuzi, 4,801,737, Cl. 560-139.000.

Abe, Kojin: *See*—
Onda, Kenichi; Matsuda, Yasuo; Abe, Kojin; Iwafuji, Yasunori; Aoyama, Hiroyuki; and Yoshinaka, Hideo, 4,858,096, Cl. 363-22.000.

Abe, Kouichi: *See*—
Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.

Abe, Kouji: *See*—
Sakurai, Yoshihiro; Fukuda, Yoshihide; and Abe, Kouji, 4,881,370, Cl. 60-310.000.

Abe, Kumiko: *See*—
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,798,728, Cl. 426-129.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,840,805, Cl. 426-129.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,842,872, Cl. 426-46.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,871,565, Cl. 426-407.000.

Abe, Kunihiro, to Fuji Jukogyo Kabushiki Kaisha. Idle speed control system for an automotive engine. 4,825,829, 5-2-89, Cl. 123-339.000.

Abe, Kunihiro, to Fuji Jukogyo Kabushiki Kaisha. Learning control system for controlling an automotive engine. 4,829,440, 5-9-89, Cl. 364-431.060.

Abe, Kunihiro, to Fuji Jukogyo Kabushiki Kaisha. Engine ignition timing control system. 4,869,221, 9-26-89, Cl. 123-414.000.

Abe, Kunihiro, to Fuji Jukogyo Kabushiki Kaisha. Engine ignition timing control system. 4,873,958, 10-17-89, Cl. 123-424.000.

Abe, Kunihoro, to Fuji Jukogyo Kabushiki Kaisha. Air-fuel ratio control system for an engine. 4,875,453, 10-24-89, Cl. 123-440.000.

Abe, Masaaki: *See*—
Haranoya, Tomoji; Motegi, Toshio; and Abe, Masaaki, 4,879,969, Cl. 118-638.000.

Abe, Masahiko: *See*—
Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, 4,883,596, Cl. 210-638.000.

Abe, Masahiro; Aoyama, Masaharu; Ohshima, Jiro; and Ajima, Takashi, to Tokyo Shibaura Denki Kabushiki Kaisha. Semiconductor device having insulating layer including polyimide film. 4,853,760, 8-1-89, Cl. 357-52.000.

Abe, Masahiro; and Mase, Yasukazu, to Kabushiki Kaisha Toshiba. Method of forming holes in semiconductor integrated circuit device. 4,857,141, 8-15-89, Cl. 156-644.000.

Abe, Masaki; Shiohara, Yukimitsu; Adaniya, Takeshi; and Naemura, Hiroshi, to Nippon Kokan Kabushiki Kaisha. Composite zinc-silica electro-galvanized steel sheet excellent in corrosion resistance. 4,839,241, 6-13-89, Cl. 428-659.000.

Abe, Masami: *See*—
Ishii, Yoh; Abe, Masami; Harada, Yuhzoh; Takasugi, Atsumi; and Kato, Kazumi, 4,875,519, Cl. 164-465.000.

Abe, Masanori; Mase, Syunzo; and Kozuka, Yoshinari, to NGK Insulators, Ltd. Optical zero-phase current and zero phase voltage sensing arrangement. 4,814,930, 3-21-89, Cl. 361-44.000.

Abe, Masanori: *See*—
Oishi, Masao; Saito, Takao; Ishikawa, Katsukiyo; Abe, Masanori; and Tamaura, Yutaka, 4,837,046, Cl. 427-38.000.

Abe, Masao: *See*—
Ohtani, Akira; Abe, Masao; and Higuchi, Hiroyuki, 4,869,979, Cl. 429-191.000.
Tahara, Tetsuya; Moriwaki, Minoru; Abe, Masao; and Yuasa, Shuji, 4,820,703, Cl. 514-220.000.

Abe, Masaru; Kohata, Takashi; and Kawamoto, Yoshimichi, to Honda Giken Kogyo Kabushiki Kaisha. Automobile suspension. 4,836,577, 6-6-89, Cl. 280-773.000.

Abe, Masaru: *See*—
Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,823,898, Cl. 180-140.000.
Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,828,063, Cl. 180-140.000.
Sano, Shoichi; Furukawa, Yoshimi; Ogura, Masami; Abe, Masaru; and Oyama, Yasuharu, 4,881,748, Cl. 280-91.000.
Yamamura, Ryuji; Tsuboi, Mikio; Kitagawa, Keishi; and Abe, Masaru, 4,828,695, Cl. 210-198.200.
Yasuda, Toru; Kawamoto, Yoshimichi; Abe, Masaru; and Kohata, Takashi, 4,853,672, Cl. 340-465.000.

Abe, Masato; and Asami, Fumitaka, to Fujitsu Limited. Signal processing circuit. 4,811,260, 3-7-89, Cl. 364-724.010.

Abe, Masatoshi: *See*—
Okabe, Jun; Naraki, Akihiro; Abe, Masatoshi; and Tatsu, Haruyoshi, 4,831,085, Cl. 525-387.000.

Abe, Masayoshi: *See*—
Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.
Takagaki, Hidetsugu; Abe, Masayoshi; Watanabe, Michihiro; Takeuchi, Kazuyuki; Nakanishi, Shigenori; Nakata, Yuuko; and Yamazaki, Keiji, 4,874,855, Cl. 540-3.000.
Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.
Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.
Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.

Abe, Masayuki: *See*—
Ueda, Masanori; Abe, Masayuki; Shitani, Kensai; Yoshimoto, Tetsuo; Yamamoto, Hiroki; and Kurosawa, Fumio, 4,883,544, Cl. 148-2.000.

Abe, Michiharu, to Ricoh Company, Ltd. Processing of a detection signal obtained by scanning an optical disk. 4,829,499, 5-9-89, Cl. 369-59.000.

Abe, Michio: *See*—
Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, 4,879,340, Cl. 525-54.200.

Abe, Michiro; and Iwasa, Masanobu, to Hoechst Japan Limited; and Nissho Corporation. Nozzle for tissue adhesive. 4,813,928, 3-21-89, Cl. 604-49.000.

Abe, Michiyuki: *See*—
Katsuie, Masahiro; Abe, Michiyuki; Kawahara, Katsuyuki; and Nakamura, Taizo, 4,856,965, Cl. 417-19.000.

Abe, Minoru: *See*—
Tada, Yasuo; and Abe, Minoru, 4,815,324, Cl. 73-861.220.

Abe, Mitsuaki: *See*—
Tazawa, Shunsuke; Kurihara, Katsuhiko; Takeuchi, Kenji; and Abe, Mitsuaki, 4,795,779, Cl. 524-598.000.

Abe, Mitsuji, to Tannan Co., Ltd. P[illegible] joint. 4,819,968, 4-11-89, Cl. 285-81.000.

Abe, Mitsunobu: *See*—
Shingu, Hideo; Abe, Mitsunobu; Sato, Takashi; and Yamada, Toshio, 4,820,141, Cl. 419-8.000.

Abe, Mitsuo: *See*—
Isshiki, Tomiya; Yui, Tomoyuki; Abe, Mitsuo; Jono, Masahiro; and Uno, Hideo, 4,828,762, Cl. 260-396.00R.

Abe, Morio, to Chisso Corporation. Cylindrical filter. 4,861,633, 8-29-89, Cl. 428-36.300.

Abe, Morio: *See*—
Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, 4,818,587, Cl. 428-198.000.
Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, 4,840,846, Cl. 428-373.000.

Abe, Mutsumi: *See*—
Yoshikawa, Katsuyuki; Inoue, Hidetoshi; Shiomi, Tsukasa; Oie, Shojiro; and Abe, Mutsumi, 4,822,414, Cl. 75-249.000.

Abe, Naoto: *See*—
Hatanaka, Katsunori; Abe, Naoto; Sakamoto, Eiji; and Saika, Toshihiro, 4,829,485, Cl. 365-239.000.
Shimokoriyama, Makoto; Yamashita, Shinichi; Abe, Naoto; Kashida, Motokazu; Takei, Masahiro; and Takahashi, Koji, 4,875,090, Cl. 358-12.000.

Abe, Nobumasa: *See*—
Miura, Teiji; Yamazaki, Hideo; Abe, Nobumasa; Okamura, Toshihide; Morozumi, Hideki; and Matsuo, Tatsuki, 4,838,657, Cl. 350-336.000.
Miura, Teiji; Okamura, Toshihide; Abe, Nobumasa; Yonekubo, Masatoshi; Yoshitaki, Hidetoshi; and Yamazaki, Hideo, 4,866,593, Cl. 346-107.00R.

Abe, Nobuyasu: *See*—
Niwa, Katuhiro; Abe, Nobuyasu; Kajikiyo, Katuji; Suzuoki, Tsutomu; Tabuti, Katumi; and Arii, Yoshifumi, 4,872,383, Cl. 83-175.000.

Abe, Nobuyuki: *See*—
Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, 4,810,794, Cl. 546-251.000.

Abe, Norihiro: *See*—
Dohzono, Masatake; Miyashita, Iwao; and Abe, Norihiro, 4,835,042, Cl. 428-218.000.
Nakanishi, Minoru; Sakurai, Akira; Kobayashi, Takatoshi; Meiwa, Zenbei; and Abe, Norihiro, 4,850,991, Cl. 604-387.000.

Abe, Norimoto: *See*—
Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, 4,883,338, Cl. 350-96.340.

Abe, Noriyoshi, to Kyoshin Kogyo Co., Ltd. Spot welding machine. 4,835,356, 5-30-89, Cl. 219-91.210.

Abe, Noriyuki; and Okada, Kazuyoshi, to Nissan Motor Company, Limited. Abnormal data transmission detection circuit for time-division multiplex transmission network system. 4,811,015, 3-7-89, Cl. 340-825.070.

Abe, Noriyuki: *See*—
Sakagami, Atsushi; Futami, Toru; Abe, Noriyuki; and Suzuki, Tadashi, 4,799,218, Cl. 370-85.000.

Abe, Osamu: *See*—
Ishikawa, Hideaki; Abe, Osamu; and Uehara, Aiichi, 4,869,224, Cl. 123-489.000.

Abe, Ryoichi: *See*—
Kurokawa, Naohiro; and Abe, Ryoichi, 4,879,678, Cl. 364-900.000.

Abe, Sadahiro: *See*—
Tazuke, Hisashi; Araki, [illegible]zunori; Yamaguchi, Shogo; Nakamura, Sueshige; and Abe, Sadahiro, 4,807,673, Cl. 141-57.000.

Abe, Seiichi. Easily testable semiconductor LSI device. 4,812,678, 3-14-89, Cl. 307-443.000.

Abe, Seiichi; Fujita, Kenji; and Nakao, Toshiyuki, to Hitachi, Ltd. Soldering method. 4,821,946, 4-18-89, Cl. 228-180.200.

Abe, Seiko: *See*—
Igashira, Toshihiko; Sakakibara, Yasuyuki; Abe, Seiko; Sekiguchi, Kiyonori; Izawa, Akihiro; and Kawai, Hisasi, 4,887,569, Cl 123-300.000.

Abe, Shigeo; Bandoh, Tadaaki; Hirasawa, Kotaro; and Ide, Jushi, to Hitachi, Ltd. Vector processor. 4,853,890, 8-1-89, Cl. 364-900.000.

Abe, Shigeru; Nakamura, Yasuaki; and Kamei, Katsuyuki, to Mitsubishi Denki Kabushiki Kaisha. Pattern recognition system. 4,852,183, 7-25-89, Cl. 382-34.000.

Abe, Shinichi: *See*—
Kanazawa, Yasunori; Nakamori, Yoshiyuki; Kuwa, Tadahiro; Fujimoto, Nobuyuki; and Abe, Shinichi, 4,811,151, Cl. 360-133.000.

Abe, Shinji: *See*—
Kobayashi, Shigeo; Yoshida, Osamu; Saito, Haruo; Shigeta, Tsutomu; Nara, Hiroshi; Abe, Shinji; and Yamamoto, Kiyoharu, 4,805,439, Cl. 72-419.000.

Abe, Shinpei: *See*—
Miyazaki, Hiroshi; Miyatani, Takao; Ishizaki, Akira; and Abe, Shinpei, 4,800,640, Cl. 29-429.000.

Abe, Shintaro: *See*—
Ogata, Minoru; Takeda, Takashi; Kuo, Hideo; Nakazawa, Tamotsu; and Abe, Shintaro, 4,827,349, Cl. 358-256.000.

Abe, Shinya: *See*—
Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.
Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.
Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.
Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, 4,888,439, Cl. 560-129.000.

Abe, Shuichi: *See*—
Wada, Hideo; Abe, Shuichi; and Watanabe, Tsuyoshi, 4,812,974, Cl. 364-200.000.
Watanabe, Masaya; and Abe, Shuichi, 4,816,991, Cl. 364-200.000.

Abe, Shunetsu, to Pioneer Koki Co., Ltd. Apparatus for cutting adhesive tape roll stocks. 4,805,498, 2-21-89, Cl. 82-92.000.

Abe, Shunichi, to Canon Kabushiki Kaisha. Color copier for making a positive color copy from a color negative film including means for indicating the type of film and means for removing the orange mask component of the indicated film from three color component signals used to make the copy. 4,833,532, 5-23-89, Cl. 358-80.000.

Abe, Shunichi; Ohkubo, Masaharu; Suzuki, Akio; and Takada, Yoshihiro, to Canon Kabushiki Kaisha. Recording apparatus for recording a reversed image of an original. 4,851,923, 7-25-89, Cl. 358-296.000.

Abe, Shunichi, to Canon Kabushiki Kaisha. Image reproducing system. 4,888,636, 12-19-89, Cl. 358-80.000.

Abe, Shunji, to Yamaichi Electric Mfg. Co., Ltd. IC socket. 4,887,969, 12-19-89, Cl. 439-73.000.

Abe, Shunji: *See*—
Shigemoto, Hiromi; Abe, Shunji; and Yamamoto, Akio, 4,880,589, Cl. 264-216.000.

Abe, Shuzo; Matsunami, Satoshi; Nagamatsu, Sunao; Tanaka, Masaaki; and Matsuno, Masao, to Ube Industries, Ltd. Automatic radioisotope filling apparatus. 4,853,546, 8-1-89, Cl. 250-432.0PD.

Abe, Susan S.: *See*—
Guffey, Timothy B.; Abe, Susan S.; Talkington, Sherry R.; and Mijac, Marko D., 4,880,657, Cl. 426-601.000.

Abe, Takao; and Muraoka, Shyouzo, to Shin-Etsu Handotai Co., Ltd. Single-turn induction heating coil for floating-zone melting process. 4,833,287, 5-23-89, Cl. 219-10.790.

Abe, Takao: *See*—
Kitamura, Shegehiro; Asano, Masao; Shimizu, Yoshiaki; and Abe, Takao, 4,818,591, Cl. 428-216.000.
Koshizuka, Kunihiro; Inaba, Yoshihiro Abe, Takao; and Maehashi, Tatsuichi, 4,828,922, Cl. 428-412.000
Koshizuka, Kunihiro; and Abe, Takao, 4,840,848, Cl. 428-413.000.
Koshizuka, Kunihiro; and Abe, Takao, 4,882,218, Cl. 428-216.000.
Miyazawa, Akiyasu; Harada, Mineo; Tajima, Eiji; and Abe, Takao, 4,802,776, Cl. 400-124.000.
Tatsuzawa, Kaichi; Abe, Takao; and Ogawa, Tetsuo, 4,802,032, Cl. 360-77.130.

Abe, Takehiro; and Onoyama, Yugo, to Gunze Kabushiki Kaisha. Method of an apparatus for cutting heat-shrinkable labels by melting. 4,834,826, 5-30-89, Cl. 156-344.000.

Abe, Teruyoshi: *See*—
Kawano, Masaki; Ogura, Kuniaki; Abe, Teruyoshi; and Takajo, Shigeaki, 4,804,409, Cl. 75-246.000.

Abe, Tetsuya: *See*—
Kondo, Hitoshi; Kawamura, Hiroaki; Inagawa, Konosuke; Abe, Tetsuya; and Murakami, Yoshio, 4,844,323, Cl. 228-121.000.

Abe, Tokuji: *See*—
Amano, Tadashi; and Abe, Tokuji, 4,885,333, Cl. 524-762.000.

Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, to Hitachi Cable, Ltd.; and Hitachi, Ltd. Synthetic resin optical fiber. 4,883,338, 11-28-89, Cl. 350-96.340.

Abe, Tomiya: *See*—
Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.

Abe, Tomoaki; Takao, Mitsunori; and Kiyono, Masashi, to Nippondenso Co., Ltd. Fault detection system for internal combustion engine control apparatus. 4,805,576, 2-21-89, Cl. 123-479.000.

Abe, Tomoaki; Kiyono, Masashi; and Takao, Mitsunori, to Nippondenso Co., Ltd. Vaporized fuel control apparatus for internal combustion engines. 4,817,576, 4-4-89, Cl. 123-519.000.

Abe, Tomoaki; Takao, Mitsunori; and Kiyono, Masashi, to Nippondenso Co., Ltd. Fault detection system for internal combustion engine control apparatus. 4,850,325, 7-25-89, Cl. 123-479.000.

Abe, Tomoaki; Kiyono, Masahi; and Takao, Mitsunori, to Nippondenso Co., Ltd. Control system and method for an internal combustion engine, obtaining air pressure after bottom dead center. 4,866,620, 9-12-89, Cl. 364-431.050.

Abe, Tomoaki: *See*—
Kiyono, Masashi; Abe, Tomoaki; and Takao, Mitsunori, 4,796,591, Cl. 123-492.000.
Kiyono, Masashi; Takeuchi, Kanji; Abe, Tomoaki; and Takao, Mitsunori, 4,854,283, Cl. 123-361.000.
Matsuzawa, Toshio; Minagawa, Kazuji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kamio, Shigeru; Maeda, Katsuya; and Takao, Mitsunori, 4,838,226, Cl. 123-399.000.

Abe, Tomohiko: *See*—
Ohno, Katsutoshi; Abe, Tomohiko; and Kimizuka, Yuichi, 4,801,398, Cl. 252-301.40R.
Yamada, Noboru; Abe, Tomohiko; and Miyazawa, Osamu, 4,839,760, Cl. 360-97.010.

Abe, Tomohiro: *See*—
Itoh, Masayoshi; Miyagawa, Hiroharu; Murakami, Masami; Abe, Tomohiro; Inoue, Kaoru; and Ikeda, Keiichi, 4,808,392, Cl. 423-347.000.

Abe, Tooru: *See*—
Sawaki, Shohei; Ootake, Yasuhiro; Hashimoto, Terumasa; Abe, Tooru; and Horio, Yoshihiro, 4,795,754, Cl. 514-381.000.

Abe, Toshiaki: *See*—
Okita, Kumakazu; Abe, Toshiaki; and Kiriyama, Masaru, 4,880,577, Cl. 264-22.000.

Abe, Toshiro; and Nishihara, Toshikazu, to Victor Company of Japan, Ltd. Method of producing magnetic disc. 4,808,489, 2-28-89, Cl. 428-336.000.

Abe, Toshiro: *See*—
Fujiwara, Yasuhiko; Abe, Toshiro; Hashimoto, Atsunori; Nakazawa, Shinsuke; Nagano, Masami; and Atago, Takeshi, 4,887,573, Cl. 123-422.000.

Abe, Toshiyuki; Kikkawa, Katsumasa; Gonda, Michihiro; Sensui, Hideyuki; and Kanasugi, Mikiko, to Hodogaya Chemical Co., Ltd. Heat sensitive recording sheet. 4,839,334, 6-13-89, Cl. 503-221.000.

Abe, Tsutomu; and Hiromitsu, Sagae, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for producing human antibody. 4,833,077, 5-23-89, Cl. 435-68.000.

Abe, Tsutomu; and Miyashita, Hiromichi, to Kabushiki Kaisha Komatsu Seisakusho. Front frames of wheel mounted type loaders. 4,858,345, 8-22-89, Cl. 37-118.00R.

Abe, Tsutomu: *See*—
Furumura, Kyozaburo; Muraoka, Tomoki; Murakami, Yasuo; and Abe, Tsutomu, 4,871,268, Cl. 384-492.000.

Abe, Yasuaki: *See*—
Okada, Taiiti; and Abe, Yasuaki, 4,842,775, Cl. 260-396.00R.

Abe, Yasuji: *See*—
Kagami, Toshihiko; Kobayashi, Kazuyoshi; Asakawa, Eiji; Osada, Atushi; Hara, Kozo; and Abe, Yasuji, 4,859,993, Cl. 340-674.000.

Abe, Yasunao, to Yamaha Corporation. Musical tone control signal generating apparatus for electronic musical instrument. 4,813,327, 3-21-89, Cl. 84-1.030.

Abe, Yasunao, to Yamaha Corporation. Automatic rhythm performance apparatus having ending performance function. 4,839,810, 6-13-89, Cl. 364-419.000.

Abe, Yasunao, to Yamaha Corporation. Sequencer unit of electronic musical instrument. 4,889,026, 12-26-89, Cl. 84-611.000.

Abe, Yasunao: *See*—
Okamoto, Eisaku; and Abe, Yasunao, 4,887,504, Cl. 84-715.000.

Abe, Yohji: *See*—
Ando, Yashiko; Noda, Yasushi; and Abe, Yohji, 4,875,119, Cl. 360-105.000.

Abe, Yoko; Satoh, Susumu; Hori, Mitsuhiko; and Yamanaka, Naoko, to Nitto Denko Corporation. Composition for percutaneous administration. 4,847,260, 7-11-89, Cl. 514-279.000.

Abe, Yoko; Satoh, Susumu; and Itoh, Yoshiaki, to Nitto Electric Industrial Co., Ltd. Method of promoting percutaneous drug absorption with 2-pyrrolidin-2-one 5-carboxylic acids and esters thereof. 4,863,952, 9-5-89, Cl. 514-423.000.

Abe, Yoshiaki; and Iwabuchi, Hidetoshi, to Kao Corporation. Hair cosmetics. 4,839,168, 6-13-89, Cl. 424-74.000.

Abe, Yoshiaki: *See*—
Nakagawa, Koji; Takagi, Takeo; Abe, Yoshiaki; and Sakai, Har[illegible], 4,877,370, Cl. 415-148.000.

Abe, Yoshihiko: *See—*

Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, 4,831,198, Cl. 570-211.000.

Abe, Yoshihiro, to Canon Kabushiki Kaisha. Pull up or pull down electronic device. 4,843,262, 6-27-89, Cl. 307-475.000.

Abe, Yoshihiro; and Nocolaou, Kyriacos C., to University of Pennsylvania, Trustees of the. Method of synthesizing leukotriene B_4 and derivatives thereof. 4,873,024, 10-10-89, Cl. 260-405.500.

Abe, Yoshihito; Yaginuma, Katsuhiro; Nagasawa, Takeshi; and Kuroiwa, Katsumasa, to Nitto Boseki Co., Ltd. Tripeptide derivatives and antiplasmin agents containing the same. 4,883,863, 11-28-89, Cl. 530-331.000.

Abe, Yoshikazu: *See—*

Maruyama, Teruo; Abe, Yoshikazu; and Taguti, Tatuhisa, 4,815,944, Cl. 417-295.000.

Abe, Yoshinori; and Matsunawa, Masahiko, to Konishiroku Photo Industry Co., Ltd. Technique for interpolating a color image for image enlargement or reduction based on look-up tables stored in memory. 4,833,531, 5-23-89, Cl. 358-77.000.

Abe, Yoshinori: *See—*

Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,825,246, Cl. 355-4.000.

Hiratsuka, Seiichiro; Matsunawa, Masahiko; and Abe, Yoshinori, 4,803,558, Cl. 358-283.000.

Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,864,357, Cl. 355-32.000.

Niki, Hiroshi; Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,879,595, Cl. 358-80.000.

Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, to Dainichiseika Color & Chemicals Mfg. Co.. Ltd. Prints and production method thereof. 4,869,532, 9-26-89, Cl. 283-88.000.

Abe, Yoshio: *See—*

Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.

Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.

Iimura, Seiji; Abe, Yoshio; Okumura, Jun; Naito, Takayuki; and Kamachi, Hajime, 4,874,856, Cl. 540-222.000.

Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.

Abe, Yoshitaka; and Murakami, Keiichi, to Fujitsu Limited. Frequency counter for counting a frequency and partly varied frequencies of a signal in real time. 4,882,740, 11-21-89, Cl. 377-49.000.

Abe, Yuji: *See—*

Kano, Atsushi; Mizuno, Masayuki; Kajiwara, Manabu; Sakaue. Kenji; Abe, Yuji; and Nakamura, Kazuo, 4,813,612, Cl. 271-10.000.

Abe, Yukihiro: *See—*

Kanda, Nobuo; Abe, Yukihiro; and Kondo, Mitsuru, 4,803,193, Cl. 503-209.000.

Abe, Yukio: *See—*

Higashi, Tatsuji; Kawamura, Kouichi; and Abe, Yukio, 4,826,753, Cl. 430-281.000.

Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,811,496, Cl. 34-144.000.

Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,827,630, Cl. 34-146.000.

Kawamma, Kouichi; Abe, Yukio; Higashi, Tatsuji; and Aotani, Yoshimasa, 4,837,128, Cl. 430-281.000.

Abe, Yuudou: *See—*

Takahashi, Minoru; Miyazaki, Terunobu; Shinagawa, Susumu; Abe, Yuudou; and Saitou, Yoshinobu, 4,833,044, Cl. 428-694.000.

Abe, Yuuichi; Seko, Yasutoshi; and Tsuda, Hiroshi, to Nissan Motor Company, Limited. System for improving visibility of objects within visual field. 4,846,555, 7-11-89, Cl. 350-276.00R.

Abegg, Frank, III; and Gemmell, Stephen G., to Datac, Inc. Turbine monitoring apparatus. 4,881,184, 11-14-89, Cl. 364-551.010.

Abeille, Gerald P., to Abeille Incorporated. Monocoque decking with stone surface, for floating docks and the like, and method of making same. 4,825,798, 5-2-89, Cl. 114-267.000.

Abeille Incorporated: *See—*

Abeille, Gerald P., 4,825,798, Cl. 114-267.000.

Abel, Alan D.: *See—*

Schmidt, William P.; Kumar, Ravi; and Abel, Alan D., 4,813,977, Cl. 55-26.000.

Abel, Albert E.: *See—*

Mazur, Duane J.; Weinberg, Norman L.; and Abel, Albert E., 4,853,040, Cl. 134-2.000.

Abel Automatics, Inc.: *See—*

Abel, Steven D., 4,815,228, Cl. 43-22.000.

Abel, Heinz; Guth, Christian; and Berendt, Hans-Ulrich, to Ciba-Geigy Corporation Antifoams for aqueous systems and their use. 4,880,564, 11-14-89, Cl. 252-321.000.

Abel, Heinz: *See—*

Bouwknegt, Thys; and Abel, Heinz, 4,859,207, Cl. 8-455.000.

Abel, James C., to Atlantic Richfield Company. Viscometer apparatus and method. 4,878,377, 11-7-89, Cl. 73-59.000.

Abel, Kenneth N.; and Rudy, John E., to Unisys Corporation. Integrated circuit package having a removable test region for testing for shorts and opens. 4,812,742, 3-14-89, Cl. 324-73.00R.

Abel, Robert, Jr. Corneal onlay lens. 4,810,082, 3-7-89, Cl. 351-160.00R.

Abel, Roy P.; and Welcome, Warren W., to Abel, Roy P. Vehicle low speed warning system. 4,841,276, 6-20-89, Cl. 340-466.000.

Abel, Steven D., to Abel Automatics, Inc. Balancing bracket for fly casting tackle. 4,815,228, 3-28-89, Cl. 43-22.000.

Abel, William E.; and Marman, Douglas H., to Sentrol, Inc. Glass break detector. 4,837,558, 6-6-89, Cl. 340-550.000.

Abela, George S., to University of Florida. Laser method and apparatus for the recanalization of vessels and the treatment of other cardiac conditions. 4,860,743, 8-29-89, Cl. 128-303.100.

Abele, Berthold W., to KSA Dichtsysteme GmbH & Co. KG. Apparatus for sealing conjoined conductors of cables. 4,883,919, 11-28-89, Cl. 174-93.000.

Abeles, Joseph H.; Kastalsky, Alexander; and Leheny, Robert F., to Bell Communications Research, Inc. Single quantum well optical modulator. 4,872,744, 10-10-89, Cl. 350-356.000.

Abéles, Robert H.: *See—*

Taub, David; Abeles, Robert H.; and Patchet, Arthur A., 4,806,680, Cl. 562-574.000.

Abell, Walter L. Colon hydrotherapy and evacuator system. 4,874,363, 10-17-89, Cl. 604-28.000.

Abellana, Jovito N.; and Dolan, Donald T., to Pitney Bowes Inc. Platen module for a modular mailing machine. 4,872,521, 10-10-89, Cl. 177-25.150.

Abend, Klaus; Wienert, Dieter; and Filthaut, Johannes, to Aug. Winkhaus GmbH & Co. KG. Electronic door lock. 4,833,465, 5-23-89, Cl. 340-825.310.

Abend, Phillip G., to Henkel Corporation. Neutralized alkyl ether sulfuric acid half-ester compositions containing polyhydroxy oligomers. 4,885,379, 12-5-89, Cl. 558-34.000.

Abend, Robert J., to Harris Corporation. Method of packaging a non-contact I/O signal transmission integrated circuit. 4,845,052, 7-4-89, Cl. 437-209.000.

Abend, Robert J., to Harris Corporation. Non-contact I/O signal transmission in integrated circuit packaging. 4,862,231, 8-29-89, Cl. 357-19.000.

Abend, Serge: *See—*

Edstrom, Andrew, 4,807,841, Cl. 248-580.000.

Abendroth, Bernd: *See—*

Burghardt, Franz; Abendroth, Bernd; and Pfaff, Martin, 4,849,038, Cl. 156-172.000.

Abendroth, Paul; Rebel, Herbert; and Herold, Manfred, to M.A.N.-Roland Druckmaschinen AG. Clamping device for optionally securing a blanket or a printing plate. 4,813,356, 3-21-89, Cl. 101-415.100.

Abendroth, Paul; Mathes, Josef; and Holl, Roland, to MAN Roland Druckmaschinen AG. Sheet transfer drum for a printing press. 4,852,488, 8-1-89, Cl. 101-246.000.

Abendroth, Paul: *See—*

Leyendecker, Hans-Wilhelm; and Abendroth, Paul, 4,800,813, Cl. 101-409.000.

Abendschein, Frederic H.; Derr, Paul B.; and Huber, John H., to AMP Incorporated. Strain relief assembly for optical fiber connector. 4,795,229, 1-3-89, Cl. 350-96.200.

Abendschein, Frederic H.; and Huber, John H., to AMP Incorporated. Optical connector with plastic alignment ferrule. 4,834,487, 5-30-89, Cl. 350-96.200.

Abensour, David: *See—*

Karcher, Gilles; Amor, Max; Abensour, David; and Cinqualbre, Jean, 4,856,527, Cl. 128-634.000.

Abercrombie, William T.: *See—*

Peters, John R.; Ramey, Max E.; Seyffert, Arturo E.; Canon, Jack L.; Robinson, Michael W.; and Abercrombie, William T., 4,869,555, Cl. 299-7.000.

Aberdeen Biotech Limited: *See—*

Melvin, James S., 4,808,427, Cl. 426-521.000.

Aberdeen Oil Company: *See—*

Gillespie, John E., 4,831,772, Cl. 43-54.100.

Aberdeen University: *See—*

Watmough, David; and Chan, Kwok K., 4,889,122, Cl. 128-399.000.

Aberg, Gunnar: *See—*

Aberg, Gunnar A. K.; and af Ekenstam, Bo T., 4,822,778, Cl. 514-317.000.

Aberg, Gunnar A. K.; and af Ekenstam, Bo T., to Aberg, Gunnar. Membrane stabilizing phenoxy-piperidine compounds and pharmaceutical compositions employing such compounds. 4,822,778, 4-18-89, Cl. 514-317.000.

Abernathy, Joe V.: *See—*

Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Abernathy, Joe V.; and Wooldridge, Timothy A., 4,875,989, Cl. 204-298.000.

Abernathy, Joseph V.: *See—*

Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Bohlman, James G.; Loewenstein, Lee M.; and Jones, John I., 4,836,905, Cl. 204-298.000.

Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., 4,872,938, Cl 156-345.000.

Aberson, James A., Jr.; DeVeau, George F.; and Yasinski, Kenneth M., to American Telephone & Telegraph Company, AT&T Bell Laboratories. Optical fiber connector and methods of making. 4,880,291, 11-14-89, Cl. 350-96.210.

Aberth, William, to University of California, The Regents of the. Surface-induced dissociation for mass spectrometry. 4,851,669, 7-25-89, Cl. 250-281.000.

Abex Corporation: *See—*

Farr, Aaron V., 4,856,896, Cl. 356-153.000.

Novotny, Raymond J.; and McCune, Robert B., 4,824,260, Cl. 374-179.000.

Abeyama, Shozo: *See—*

Kato, Tetsuo; Abeyama, Shozo; and Saito, Makoto, 4,842,818, Cl. 420-100.000.

Abeyta, William J.; and McConkie, Leonard A., to Industrial Tools, Inc. Coolant manifold assembly. 4,830,553, 5-16-89, Cl. 409-136.000.

ABG Semca: *See—*

Malabre, Christian; and Jambou, Andre, 4,850,721, Cl. 384-106.000.

Signoret, Jacques, 4,875,345, Cl. 62-402.000.

ABG Werke GmbH: *See—*

Heims, Dirk, 4,836,564, Cl. 280-6.120.

Abidor, Aleksander, to Garland Commercial Ranges Limited. Trunnion. 4,829,982, 5-16-89, Cl. 126-349.000.

Abiko, Atsushi; Fujioka, Takafumi; Nakagawa, Kazuyuki; and Kondo, Kazumi, to Otsuka Pharmaceutical Company, Limited. Carbostyril derivatives and salts thereof, processes for preparing the same and cardiotonic composition containing the same. 4,845,100, 7-4-89, Cl. 514-253.000.

Abiko, Kenji; Watanabe, Yoshio; Anzai, Noboru; and Takahashi, Kenichi, to Toppan Printing Co., Ltd. & Mect Corp. Ampoule package. 4,826,025, 5-2-89, Cl. 215-32.0SM.

Abiko, Kenji; Minagawa, Shikoh; Shinohara, Hiroshi; and Koseki, Kayoko, to Mect Corporation. Inhaler. 4,846,168, 7-11-89, Cl. 128-203.150.

Abiko. Kenkichi: *See—*

Deya, Eiki; Yanahira, Shuichi; Abiko, Kenkichi; and Kikuchi, Eiichi, 4,873,229, Cl. 514-54.000.

Abiko, Shigeo: *See—*

Mori, Yoichi; Abiko, Shigeo; Tsuda, Mikio; and Ichijo, Chikara, 4,853,313, Cl. 430-156.000.

Abiko, Shigeshi, to Texas Instruments Incorporated. Method of and circuit for generating bit-order modified binary signals. 4,831,570, 5-16-89, Cl. 364-715.010.

Abiko, Takashi, to Kabushiki Kaisha Toshiba. System for recording information onto disk medium. 4,835,757, 5-30-89, Cl. 369-54.000.

Abiko, Toshio; Tsukamoto, Katsuya; Inoue, Hiroo; Fujii, Yasuhiro; Kanda, Minoru; and Miyachi, Nobuaki, to Matsushita Electric Works, Ltd. Planar antenna with patch elements. 4,816,835, 3-28-89, Cl. 343-700.0MS.

Abiko, Toshio: *See—*

Tsukamoto, Katsuya; Fujii, Yasuhiro; and Abiko, Toshio, 4,857,938, Cl. 343-700.0MS.

Yabu, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Minoru; Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsugu; Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 343-700.0MS.

Abiko, Yasushi: *See—*

Kobayashi, Setsuo; Nakazawa, Tsugio; Yoshie, Yasumasa; Abiko, Yasushi; and Kameda, Kinya, 4,874,772, Cl. 514-341.000.

Abildgaard, William H.; Ransom, Dale; and Crudo, Phillip M., to VeloBind, Inc. Paper punching machine. 4,833,958, 5-30-89, Cl. 83-154.000.

Abildgaard, William H.; Chadwick, Charles; Hotkowski, Peter; and Todaro, Frank A., to Velo Bind, Inc. Apparatus and method for automatically, justifying, assembling, and binding sheets into books. 4,846,616, 7-11-89, Cl. 412-7.000.

Abinett, Raymond E.; and Collingborn, Peter A. G., to Lucas Industries public limited company. Fuel injection pumping apparatus. 4,844,033, 7-4-89, Cl. 123-383.000.

Abiomed Cardiovascular, Inc.: *See—*

Adams, Bruce B., 4,826,477, Cl. 604-4.000.

Abiomed, Inc.: *See—*

Kung, Robert T. V., 4,832,599, Cl. 433-32.000.

Kung, Robert T. V.; and Singh, Param I., 4,888,011, Cl. 623-3.000.

Lederman, David M.; Singh, Param I.; and Strohl, Clair L., Jr., 4,888,009, Cl. 623-2.000.

Stricker, Saul, 4,802,650, Cl. 251-117.000.

Abiru, Masao: *See—*

Tanaka, Hisatoshi, and Abiru, Masao, 4,838,789, Cl. 433-171.000.

Abiru, Yasumasa: *See—*

Tanatani, Akira; Abiru, Yasumasa; Sato, Nobumasa; and Kobayashi, Kaoru, 4,845,141, Cl. 524-261.000.

Abisare Co., Ltd.: *See—*

Kasahara, Keiji, 4,861,665, Cl. 428-411.100.

Abitibi-Price Corporation: *See—*

Cuddy, Jared G.; and Juntunen, William H., 4,871,588, Cl. 427-264.000.

Abiven, Jacques; and Audrain, Eric. Storage battery control device. 4,803,416, 2-7-89, Cl. 320-44.000.

Abkowitz, Martin A.: *See—*

Badesha, Santokh S.; Foley, Geoffrey M. T.; Pai, Damodar M.; Zallen, Richard H.; Slade, Michael L.; and Abkowitz, Martin A., 4,855,203, Cl. 430-59.000.

Badesha, Santokh S.; and Abkowitz, Martin A., 4,863,508, Cl. 75-0.50A.

Abkowitz, Stanley; Heussi, Harold L.; Ludwig, Harold P.; and Kraus, Stephen A., to Dynamet Technology Inc. Titanium poppet valve. 4,852,531, 8-1-89, Cl. 123-188.0AA.

ABL Unlimited, Inc.: *See—*

Lovaas, Ann B., 4,832,395, Cl. 296-100.000.

Ablay, Sewim F.; Thro, Stuart W.; and Zdunek, Kenneth J., to Motorola, Inc. Subscriber unit for a trunked voice/data communication system. 4,837,858, 6-6-89, Cl. 455-34.000.

Ableidinger, Bruce: *See—*

Providenza, John R.; and Ableidinger, Bruce, 4,849,924, Cl. 364-770.000.

Ableitner, Erich, to Daimler-Benz Aktiengesellschaft. Cup tappet with hydraulic play compensation device. 4,802,448, 2-7-89, Cl. 123-90.550.

Ablestien Industries, Inc.: *See—*

Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., 4,799,437, Cl. 110-229.000.

Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., 4,846,668, Cl. 431-173.000.

Ablov, Boris; and Sabato, Moshe, to Israel Aircraft Industries Ltd. Excessive ground-closure rate alarm system for aircraft. 4,868,916, 9-19-89, Cl. 340-970.000.

Abney, James R.: *See—*

Stephan, Donald C.; Sharp, Timothy M.; Yeomans, Gary A.; Abney, James R.; and Domas, Ben V., 4,867,499, Cl. 296-50.000.

Abo, Toshimi, to Nissan Motor Company Limited. Knocking control system and method for an internal combustion engine. 4,802,455, 2-7-89, Cl. 123-425.000.

Abo, Toshimi: *See—*

Satoh, Hiroshi; and Abo, Toshimi, 4,825,832, Cl. 123-425.000.

Satoh, Hiroshi; and Abo, Toshimi, 4,848,299, Cl. 123-425.000.

Abodishish, Hani A., to Westinghouse Electric Corp. Recovery of hafnium values from loaded extraction solvent. 4,873,072, 10-10-89, Cl. 423-608.000.

Aboelfotoh, Mohamed O.; and Tsang, Yuk L., to International Business Machines Corporation. Process for making a contact structure including polysilicon and metal alloys. 4,888,297, 12-19-89, Cl. 437-41.000.

Abolins, Andrew, to Strick Corporation. Overhead door construction for providing increased door opening clearance. 4,871,007, 10-3-89, Cl. 160-201.000.

Abolins, Visvaldis; Betts, Joseph E.; Holub, Fred F.; and Lee, Gim F., Jr., to General Electric Company. Crosslinkable flame retardant composition of polyolefin and polyphenylene ether. 4,808,647, 2-28-89, Cl. 524-141.000.

Abolins, Visvaldis: *See—*

Holub, Fred F.; Abolins, Visvaldis; and Rock, John A., 4,873,287, Cl. 525-92.000.

Abondance, Roger, to Skis Rossignol S.A. Downhill ski with elongated tip. 4,861,063, 8-29-89, Cl. 280-601.000.

Abood, Leo G. Agonists and antagonists to nicotine as smoking deterents. 4,835,162, 5-30-89, Cl. 514-305.000.

Abou-Aly, Mohamed; Bohnacker, Eberhard; Kiefel, Bernhard; Gerhardy, Reinhard; Friedrich, Reinhard; and Krauter, Erich, to Andreas Stihl. Portable handheld motor-driven tool. 4,816,192, 3-28-89, Cl. 261-130.000.

Abou-Gharbia, Magid A.; Stack, Gary P.; and Yardley, John P., to American Home Products Corporation. Adamantyl- and fluorenyl-arylpiperazines and -arylpiperidines. 4,797,489, 1-10-89, Cl. 544-331.000.

Abou-Gharbia, Magid A.; Yardley, John P.; and Tio, Cesario O., to American Home Products Corporation. Antipsychotic gamma-carboline N-oxides. 4,798,896, 1-17-89, Cl. 546-87.000.

Abou-Gharbia, Magid A., to American Home Products Corporation. Polycyclic hydrocarbon succinimides with psychotropic activity. 4,804,751, 2-14-89, Cl. 540-575.000.

Abou-Gharbia, Magid A., to American Home Products Corporation. Polycyclic spiroimides with psychotropic activity. 4,812,567, 3-14-89, Cl. 544-230.000.

Abou-Gharbia, Magid A.; Schiehser, Guy A.; and Patel, Usha R., to American Home Products Corporation. Isothiazolone 1,1-dioxide derivatives with psychotropic activity. 4,833,249, 5-23-89, Cl. 546-270.000.

Abou-Gharbia, Magid A., to American Home Products Corporation. Beta-carboline H_1-receptor antagonists. 4,837,325, 6-6-89, Cl. 544-372.000.

Abou-Gharbia, Magid A., to American Home Products Corporation. 1,4-diazine derivatives. 4,851,533, 7-25-89, Cl 544-405.000.

Abou-Gharbia, Magid A.; and Patel, Usha R., to American Home Products Corporation. Polycyclicamine with psychotropic activity. 4,855,430, 8-8-89, Cl. 544-373.000.

Abou-Gharbia, Magid A., to American Home Products Corporation. Aryl sulfonopiperazines as anti-inflammatory agents. 4,857,644, 8-15-89, Cl. 544-295.000.

Abou-Gharbia, Magid A.; Yardley, John P.; and Childers, Wayne E., Jr., to American Home Products Corporation. Polycyclic-carbamic acid piperazinoalkyl esters and amides. 4,882,432, 11-21-89, Cl. 544-295.000.

Abou-Gharbia, Magid A., to American Home Products Corporation. Antipsychotic imides. 4,883,875, 11-28-89, Cl. 546-16.000.

Abou-Gharbia, Magid A.: *See—*

Childers, Wayne E., Jr.; and Abou-Gharbia, Magid A., 4,873,331, Cl. 544-295.000.

Stack, Gary P.; Golobish, Thomas D.; and Abou-Gharbia, Magid A., 4,797,488, Cl. 544-295.000.

Abou-Sayed, Ahmed S.: *See—*

Pearson, C. M.; Zeren, Fevzi; and Abou-Sayed, Ahmed S., 4,821,564, Cl. 73-155.000.

Abou-Sayed, Ibrahim S.; and Hazlett, Randy D., to Mobil Oil Corporation. Removing fracture fluid via chemical blowing agents. 4,832,123, 5-23-89, Cl. 166-281.000.

Abouav, David M., to Moorhouse, D. J.; and Deeley, S. T. Detonator actuator. 4,860,653, 8-29-89, Cl. 102-200.000.

Abouav, David M., to Moorehouse, D. J.; and Deeley, S. T. Detonator. 4,869,171, 9-26-89, Cl. 102-215.000.

Abra, Inc.: *See—*
Gomes, Daniel, 4,807,330, Cl. 16-261.000.

Abra, Robert, to Liposome Technology, Inc. Amphotericin B/cholesterol sulfate composition. 4,822,777, 4-18-89, Cl. 514-31.000.

Abraham, Dennis G.; Double, Glen P.; and Neckyfarow, Steven W., to International Business Machines Corporation. Secure component authentication system. 4,799,061, 1-17-89, Cl. 340-825.340.

Abraham, Donald J.; and Kennedy, Paul E., to University of Pittsburgh. Method of treating sickle cell anemin. 4,887,995, 12-19-89, Cl. 604-4.000.

Abraham, Donald J.: *See—*
Fisher, Abraham; Hanin, Israel; and Abraham, Donald J., 4,795,627, Cl. 424-1.100.

Abraham, Fabian, to Ramot University Authority for Applied Research and Industrial Development Ltd. Ophthalmologic apparatus for fundus examination. 4,874,236, 10-17-89, Cl. 351-205.000.

Abraham, Gizella; Horvath, Tibor; Toldy, Lajos; Borvendeg, Janos; Csanyi, Endre; Kiss, Eva; nee Hermann, Ilona S.; and Tory, Kalman, to Gyogyszerkutato Inteezet/Pharmaceutical Research Institute. 1,1,2-triphenylpropane and -propene derivatives. 4,806,685, 2-21-89, Cl. 564-324.000.

Abraham, John: *See—*
Berkowitz, Murray; and Abraham, John, 4,889,091, Cl. 123-219.000.

Abraham, Kuzhikalail M.; and Pasquariello, David M., to EIC Labotatories, Inc. Overcharge protection of secondary, non-aqueous batteries. 4,857,423, 8-15-89, Cl. 429-194.000.

Abraham, Mark F.: *See—*
Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.

Abraham, Menachem; Linde, Yoseph; and Saussy, Gordon C., to Chipcom Corporation. Collision signal detection system. 4,809,264, 2-28-89, Cl. 370-76.000.

Abraham, Thomas, to Northern Telecom Limited. Method of etching aluminum alloys in semi-conductor wafers. 4,838,992, 6-13-89, Cl. 156-643.000.

Abraham, Thomas E.; Malfait, Jacque L.; and White, Arnold J., to General Foods Inc. Process for producing instantized parboiled rice. 4 857,348, 8-15-89, Cl. 426-462.000.

Abraham, Tim. Floating beverage carrier with collapsible portions. 4,887,716, 12-19-89, Cl. 206-427.000.

Abraham, Tonson: *See—*
Evers, Robert C.; Abraham, Tonson; and Soloski, Edward J., 4,845,286, Cl. 564-154.000.

Abraham, William F., to Brunswick Valve & Control, Inc. Position controlled linear actuator. 4,858,481, 8-22-89, Cl. 74-89.150.

Abraham, William F., to Brunswick Valve & Control, Inc. Anti-lockup drive mechanism for a position controlled linear actuator. 4,889,002, 12-26-89, Cl. 74-89.150.

Abraham, William W.; and Gentelia, John S., to Conmed. Electrode for electrosurgical apparatus. 4,799,480, 1-24-89, Cl. 128-303.130.

Abrahams, Sidney, to Genedyne Corp. Unipolar motor and mechanical conversion system and method. 4,803,391, 2-7-89, Cl. 310-178.000.

Abrahamson, Daniel P., to Builders Equipment Company. Acceleration control device for a hydraulic drive unit. 4,800,767, 1-31-89, Cl. 74-38.000.

Abrahamson, Daniel P., to Builders Equipment Company. Method and apparatus for cubing stones of diverse geometries. 4,836,731, 6-6-89, Cl. 414-789.100.

Abrahamson, Thomas C. Shielded wedge-type cable clamp. 4,809,408, 3-7-89, Cl. 24-136.00K.

Abrahms, Robert M.: *See—*
Messner, Kirsten L.; Abrahms, Robert M.; and Beitelia, Ray R., 4,875,489, Cl. 128-772.000.

Abramova, Ljubov I.: *See—*
Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Oleinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-18.000.

Abramovich, Grigory M.: *See—*
Lutaenko, Vyacheslav F.; Matsievsky, Jury B.; Kostromitin, Valery A.; Abramovich, Grigory M.; and Bogoyavlensky, Igor F., 4,850,876, Cl. 434-265.000.

Abramovitz, Robert G.; Anderson, Robert L., Jr.; Busse, Frederick L.; Celarier, Stuart A.; Poublan, Jean-Yves H.; and Shorthill, Lawrence R., to SABA Technologies, Inc. Optical character reader. 4,809,351, 2-28-89, Cl. 382-59.000.

Abramowitz, Howard M.; Carpenter, Jerry R.; and Meddles, Dennis, to International Rectifier Corporation. Low profile semiconductor package. 4,845,545, 7-4-89, Cl. 357-74.000.

Abrams/Gentile Entertainment Inc.: *See—*
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Abrams, Jack S.: *See—*
Guenther, Kenneth L.; Rabindran, Karavattuveetil G.; Faber, Thomas J.; and Abrams, Jack S., 4,877,346, Cl. 400-624.000.

Abrams, Jack Z.; Benz, August D.; Awerbuch, Leon; Zaczek, Stanley J.; and Haidinger, John, to Bechtel Group, Incorporated. Use of seawater in flue gas desulfurization. 4,804,523, 2-14-89, Cl. 423-242.000.

Abrams, Kenneth J.: *See—*
Lindahl, Harold A.; Abrams, Kenneth J.; Stark, Leonard E.; and Zeitlin, Martin A., 4,835,307, Cl. 562-413.000.

Abrams, Lloyd; Corbin, David R.; and Shannon, Robert D., to Du Pont de Nemours, E. I., and Company. Zeolite rho and ZK-5 catalysts for conversion of methanol and ammonia to dimethylamine. 4,814,503, 3-21-89, Cl. 564-474.000.

Abrams, Louis B.; and Arzberger, Gerhard A., to High Voltage Graphics, Inc. Plush textured multicolored flock transfer. 4,810,549, 3-7-89, Cl. 428-88.000.

Abrams, Martin L.; D'Aquila, Daniel L.; and Scheffler, Glenn W., to International Fuel Cells Corporation. Fuel cell stack cooling system. 4,824,740, 4-25-89, Cl. 429-24.000.

Abrams, Michael J.: *See—*
Jones, Alun G.; Davison, Alan; and Abrams, Michael J., 4,826,961, Cl. 534-14.000.
Jones, Alun G.; Davison, Alan; Kronauge, James; and Abrams, Michael J., 4,872,561, Cl. 206-569.000.
Picker, Donald H.; Abrams, Michael J.; Vollano, Jean F.; and Giandomenico, Christen M., 4,851,403, Cl. 514-185.000.

Abrams, Paul G., to NeoRx Corporation. Functionally specific antibodies. 4,867,962, 9-19-89, Cl. 424-1.100.

Abrams, Paul G.: *See—*
Morgan, Alton C., Jr.; McIntyre, Robert; Woodhouse, Clive S.; and Abrams, Paul G., 4,822,734, Cl. 435-68.000.

Abrams, Philip I., to Exxon Production Research Company. Method for constructing inspectable welded joints which are resistant to marine biofouling, and welded joints formed thereby. 4,830,540, 5-16-89, Cl. 405-216.000.

Abrams, Randy L.: *See—*
Boucher, Richard A.; and Abrams, Randy L., 4,833,737, Cl. 4-253.000.

Abrams, Richard; and Swartz, Conrad M., to Somatics, Inc. Electroconvulsive therapy apparatus and method for automatic monitoring of patient seizures. 4,873,981, 10-17-89, Cl. 128-419.00S.

Abrams, Richard; and Swartz, Conrad M., to Somatics, Inc. Electroconvulsive therapy apparatus and method for automatic monitoring of patient seizures. 4,878,498, 11-7-89, Cl. 128-419.00S.

Abrams, Richard F., to Abrams, Richard F. Regenerating dynamic adsorber system and method for obtaining cleaned fluid from contaminated fluid. 4,849,111, 7-18-89, Cl. 210-673.000.

Abrams, Robert M.: *See—*
Taylor, Charles S.; Abrams, Robert M.; Messner, Kirsten L.; Huss, Beverly; Mar, Craig E.; Kraus, Jeffrey L.; and Guthrie, Linda T., 4,827,941, Cl. 128-657.000.

Abrams, Robert S. Method and device for opening and closing vials. 4,807,425, 2-28-89, Cl. 53-468.000.

Abrams, Robert S. Mold for making an aseptic vial and cap. 4,812,116, 3-14-89, Cl. 425-547.000.

Abrams, Samuel B.: *See—*
Stavrianopoulos, Jannis; Rabbani, Elazar; Abrams, Samuel B.; and Wetmur, James G., 4,868,103, Cl. 435-5.000.

Abrams, Sonja M. J.; and Vervoort, Robert V. A., to Du Pont de Nemours, E. I., and Company. High solids solvent-based polyester coating composition. 4,888,372, 12-19-89, Cl. 524-197.000.

Abrams, Sonja M. J., to Du Pont de Nemours, E. I., and Company. Higher solids solvent-based polyester coating composition. 4,888,373, 12-19-89, Cl. 524-197.000.

Abramson, Albert. Cathode ray tube. 4,871,949, 10-3-89, Cl. 315-382.000.

Abramson, Marc D. Reflective sign. 4,884,351, 12-5-89, Cl. 40-606.000.

Abramson, Monte, to Southern Integrity, Inc. Protection system. 4,814,749, 3-21-89, Cl. 340-541.000.

Abramson, Newton L.; Karady, Sandor; Corley, Edward G.; and Weinstock, Leonard M., to Merck & Co., Inc. Process for deblocking N-substituted β-lactams. 4,834,846, 5-30-89, Cl. 204-59.00R.

Abramson, Patrick B.; and Bake, Willem J. Merchandise information system. 4,821,437, 4-18-89, Cl. 40-642.000.

Abramson, Paul; Conner, David E.; and Haas, Lee C., to International Business Machines Corporation. Ternary signal multiplexor circuit. 4,814,634, 3-21-89, Cl. 307-243.000.

Abramson, Steven, to Pace Window & Door Corp. Window screen alarm. 4,814,750, 3-21-89, Cl. 340-550.000.

Abrashkin, Shmuel: *See—*
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Abrego, Elsa: *See—*
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Abreo, William A., Jr., to Cameron Iron Works USA, Inc. Production tieback connector. 4,872,708, 10-10-89, Cl. 285-39.000.

Abreo, William A., Jr. Subsea guidebase. 4,881,850, 11-21-89, Cl. 405-169.000.

Abreu, Rene: *See—*
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Abrevaya, Hayim: *See—*
Imai, Tamotsu; Abrevaya, Hayim; Bricker, Jeffery C.; and Jan, Deng-Yang, 4,827,072, Cl. 585-443.000.
Imai, Tamotsu; and Abrevaya, Hayim, 4,880,764, Cl. 502-326.000.

Abriou, Daniel: *See—*
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Abrokwah, Jonathan K.; Cirillo, Nicholas C., Jr.; Shur, Michael S.; and Tufte, Obert N., to Honeywell Inc. High transconductance complementary (Al,Ga)As/gas heterostructure insulated gate field-effect transistor. 4,814,851, 3-21-89, Cl. 357-42.000.

Abromaitis, Andre T.; and Keyes, Marion A., IV, to Babcock & Wilcox Company, The. Carbon monoxide detector. 4,803,052, 2-7-89, Cl. 422-91.000.

Abromavage, John C., to U-Haul International. Truck body deck mount. 4,838,605, 6-13-89, Cl. 296-182.000.

Abromeit, Gerhard, to Ford Motor Company. Method of preventing vibration noise in change-speed gearboxes, in particular of motor vehicles. 4,838,227, 6-13-89, Cl. 123-419.000.

Abrutyn, Eric S.; Scarfo, Louis; and Chromecek, Richard, to Dow Corning Corporation. Lattice-entrapped composition. 4,855,127, 8-8-89, Cl. 424-411.000.

Abrutyn, Eric S.; and Sloan, Robert J., to Wickhen Products, Inc. Process for preparing basic aluminum compounds having increased sweat resistant activity. 4,859,446, 8-22-89, Cl. 423-462.000.

Abrutyn, Eric S., to Dow Corning Corporation. Lattice-entrapped composition. 4,880,617, 11-14-89, Cl. 424-501.000.

ABS Allgemeiner Brandschutz, G.u.M.: *See—*
Richter, Klaus, 4,870,909, Cl. 109-59.00T.

Abshier, Steven L.: *See—*
Nielsen, Wade S.; and Abshier, Steven L., 4,824,157, Cl. 296-100.000.

Abshire, James B.; and Fuhr, Peter L., to Caterpillar Inc. Multi-power laser seam tracking system. 4,806,732, 2-21-89, Cl. 219-124.340.

Abshire, James B., to Caterpillar Inc. Method and system for determining surface profile information. 4,850,712, 7-25-89, Cl. 356-376.000.

Absi-Halabi, Ma'mun: *See—*
Lahalih, Shawqui; and Absi-Halabi, Ma'mun, 4,797,433, Cl. 524-3.000.
Lahalih, Shawqui; and Absi-Halabi, Ma'mun, 4,820,766, Cl. 524-843.000.
Lahalih, Shawqui; Dairanieh, Issam; and Absi-Halabi, Ma'mun, 4,839,095, Cl. 252-8.514.

Absil, Robert P.; Huss, Albin, Jr.; McHale, William D.; and Partridge, Randall D., to Mobil Oil Corporation. Catalytic reforming process. 4,839,027, 6-13-89, Cl. 208-138.000.

Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., to Mobil Oil Corporation. Resid hydrotreating process using lanthana-alumina-aluminum phosphate catalyst. 4,810,361, 3-7-89, Cl. 208-213.000.

Absil, Robert P. L.; and Huang, Yun-Yang, to Mobil Oil Corporation. Nobile metal containing catalysts of improved stability. 4,837,397, 6-6-89, Cl. 502-66.000.

Absil, Robert P. L.; Han, Scott; Marler, David O.; and Shihabi, David S., to Mobil Oil Corp. Toluene disproportionation. 4,851,604, 7-25-89, Cl. 585-475.000.

Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., to Mobil Oil Corporation. Lanthana-alumina-aluminum phosphate catalyst composition. 4,873,216, 10-10-89, Cl. 502-211.000.

Abt, John, to Grass Valley Group, Inc., The. Digital wipe generator. 4,805,022, 2-14-89, Cl. 358-183.000.

Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., to Grass Valley Group, Inc., The. Video switcher with independent processing of selected video signals. 4,853,784, 8-1-89, Cl. 358-181.000.

Abt, John: *See—*
Jackson, Richard A.; Lake, David E., Jr.; Blecksmith, James E.; Barnett, Ronnie D.; and Abt, John, 4,821,269, Cl. 371-16.000.
Jackson, Richard A.; and Abt, John, 4,823,183, Cl. 358-22.000.
Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; and Olmstead, Neil R., 4,858,011, Cl. 358-181.000.
Jackson, Richard A.; Abt, John; and Barnett, Ronnie D., 4,873,568, Cl. 358-22.000.

Abt, Nancy G. Saline solution for frozen foam. 4,797,424, 1-10-89, Cl. 521-53.000.

Abtahi, Amir. Omni-directional heat pipe. 4,884,627, 12-5-89, Cl. 165-104.260.

Abthoff, Joerb; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, to Daimler-Benz Aktiengesellschaft. Arrangement for the removal of soot particles from the exhaust gas stream of a diesel internal combustion engine. 4,852,349, 8-1-89, Cl. 60-303.000.

Abthoff, Joerg; Schuster, Hans-Dieter; Schmidt, Karlwalter; Wollenhaupt, Gottfried; and Schmitz, Hans-Georg, to Daimler-Benz Aktiengesellschaft. Process and equipment for removing odorous substances from the fresh air for vehicle cabins. 4,824,363, 4-25-89, Cl. 432-222.000.

Abthoff, Joerg; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, to Daimler-Benz Aktiengesellschaft. Diesel internal combustion engine with an exhaust gas line system. 4,876,852, 10-31-89, Cl. 60-275.000.

Abthoff, Joerg: *See—*
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Abthoff, Jorg; Fortnagel, Manfred; Fricker, Ludwig; Kutschera, Immanuel; Kramer, Michael; and Kuhn, Michael, to Daimler-Benz Aktiengesellschaft. Direct fuel injection method for a diesel engine. 4,836,161, 6-6-89, Cl. 123-299.000.

Abu Dhabi Gas Industries Limited: *See—*
Minkkinen, Ari, 4,824,445, Cl. 55-40.000.

ABU Garcia Produktion AB: *See—*
Larsson, Karl-Erik; and Carlsson, Karl L., 4,834,307, Cl. 242-245.000.
Lassi, Karl-Gunnar; and Carlsson, Lars-Olof, 4,830,307, Cl. 242-84.50A.

Abu-Isa, Ismat A.; Eusebi, Elio; Jaynes, Craig B.; Moran, Susan C.; and Roy, Michael A., to General Motors Corporation. Vehicle seat suspension component and its method of manufacture. 4,842,257, 6-27-89, Cl. 267-133.000.

Abu-Isa, Ismat A.; Eusebi, Elio; and Jaynes, Craig B., to General Motors Corporation. High impact polyethylene terephthalate polyblends. 4,845,169, 7-4-89, Cl. 525-444.000.

Abu-Isa, Ismat A.; Jaynes, Craig B.; and Larson, Arthur L., to General Motors Corporation. Elastomeric woven mat seat suspension. 4,869,554, 9-26-89, Cl. 297-452.000.

Abuaf, Nesim; Barito, Robert W.; and Downs, Kenneth L., to General Electric Company. Insulating panels containing insulating powders and insulating gases. 4,798,753, 1-17-89, Cl. 428-69.000.

Abuaf, Nesim: *See—*
Rasmussen, Neil S.; Szema, Li-Chieh; and Abuaf, Nesim, 4,875,339, Cl. 60-757.000.

AbuJodom, David N., II: *See—*
Thoma, Paul E.; AbuJodom, David N., II; and Fariabi, Sepehr, 4,881,981, Cl. 148-11.50R.

Abujudom, David N.; and Miller, Dennis E., to Johnson Service Company. SMF actuator. 4,836,496, 6-6-89, Cl. 251-11.000.

Abukawa, Toshimi; Tahara, Kazuo; Takahashi, Noriyoshi; and Tomite, Toshio, to Hitachi, Ltd. DC Electric motor having field poles of permanent magnet. 4,823,037, 4-18-89, Cl. 310-230.000.

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Electric power steering control system. 4,875,539, 10-24-89, Cl. 180-79.100.

Abukawa, Toshimi: *See—*
Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Horbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.

Abuku, Yuji; and Sato, Mitsuya, to Canon Kabushiki Kaisha. Alignment method. 4,870,288, 9-26-89, Cl. 250-548.000.

Aburatani, Masakazu; Takeuchi, Tadashi; and Mori, Kenji, to Fuji Yakuhin Kogyo Kabushiki Kaisha; and National Federation of Agricultural Co-Operative Associations. 3α,5-cyclo-22,23-dihydroxy-5α-steroid compounds. 4,861,875, 8-29-89, Cl. 540-114.000.

Aburaya, Toshio: *See—*
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,799,707, Cl. 280-711.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,826,141, Cl. 267-64 280.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,834,418, Cl. 280-707.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,852,906, Cl. 280-707.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,856,798, Cl. 280-6.110.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,869,528, Cl. 280-707.000.

Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, to Kabushiki Kaisha Toshiba. Image forming apparatus. 4,814,823, 3-21-89, Cl. 355-14.00D.

Abuyama, Yasuo; and Someya, Akihiko, to Kabushiki Kaisha Toshiba. Image forming apparatus with halftone control function. 4,831,462, 5-16-89, Cl. 358-298.000.

Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, to Kabushiki Kaisha Toshiba. Image forming apparatus. 4,857,954, 8-15-89, Cl. 355-245.000.

Abuyama, Yasuo, to Kabushiki Kaisha Toshiba. Image forming apparatus with function of auto error correction for optical system. 4,888,650, 12-19-89, Cl. 358-451.000.

Abuyama, Yasuo: *See—*
Yamanishi, Eiichi; Abuyama, Yasuo; and Someya, Akihiko, 4,875,092, Cl. 358-75.000.

Academic Products, Inc.: *See—*
Stoyanoff, Louis J., 4,852,909, Cl. 281-33.000.

Academisch Ziekenhuis Leiden: *See—*
Pauwels, Ernest K. J.; and Feitsma, Rolf I. J., 4,845,039, Cl. 436-548.000.

Academy of Applied Science, Inc., The: *See—*
Bartelink, E. H. B., 4,888,660, Cl. 361-49.000.
Baskin, David, 4,877,656, Cl. 428-15.000.
Logan, James D.; and Litvin, Yury, 4,821,029, Cl. 340-712.000.

Acampora, Alfonse A.; and Bunting, Richard M., to General Electric Company. Symbol code generation processing from interframe DPCM of TDM'd spatial-frequency analyses of video signals. 4,827,336, 5-2-89, Cl. 358-135.000.

Acampora, Alfonse A.; and Bunting, Richard M., to General Electric Company. Refresh system for digital signals. 4,888,640, 12-19-89, Cl. 358-133.000.

- Acampora, Alfonse A.: *See—*
  - Fedele, Nicola J.; Acampora, Alfonse A.; Bunting, Richard M.; and Waidman, Harvey, 4,831,439, Cl. 358-133.000.
- Acar, Ali: *See—*
  - Griffith, Donald L.; and Acar, Ali, 4,826,130, Cl. 251-129.150.
- ACB Technology Corporation: *See—*
  - Pater, Larry L.; and Briggs, Aubrey C., 4,863,101, Cl. 239-99.000.
- Accattino, Andrea; and Jans, Aldo, to Ing. C. Olivetti & C., S.p.A. Method and apparatus for restoring operation of ink jet printing nozzles. 4,800,403, 1-24-89, Cl. 346-140.00R.
- Accelerated Sports Cybernetics Development Partnership: *See—*
  - Seidel, Gary E.; Newman, Robert A., III; Newman, Robert M.; and Henschen, Henry, 4,828,500, Cl. 434-247.000.
- Access Computer Products, Inc.: *See—*
  - Woolley, Lee G., 4,862,210, Cl. 355-245.000.
- Access Corporation: *See—*
  - Fago, Frank M., Jr., 4,815,055, Cl. 369-36.000.
- Accles and Shelvoke Limited: *See—*
  - Hancox, Roger J.; and Banks, Cecil H., 4,830,617, Cl. 434-21.000.
- Acco Babcock Inc.: *See—*
  - Pickell, John M., 4,799,400, Cl. 74-502.600.
- ACCO World Corporation: *See—*
  - Fosnaugh, William L., 4,861,286, Cl. 439-651.000.
- Accolla, William R.: *See—*
  - DelGiorno, Daniel; Medina, Henry; and Accolla, William R., 4,805,455, Cl. 73-379.000.
- ACCRA Manufacturing Co.: *See—*
  - Finch, Jack A., 4,875,290, Cl. 33-265.000.
- Accu-Lab, Inc.: *See—*
  - Sevier, David C., 4,797,214, Cl. 210-651.000.
- Accu-Tech Incorporated: *See—*
  - Pope, Thomas A., deceased; Wallin, Walter B.; Cutrell, Mitchell R.; and Melton, James J., 4,852,029, Cl. 364-556.000.
- Accu-Weigh Systems, Inc.: *See—*
  - Perini, Richard L.; and O'Dea, James O., 4,832,141, Cl. 177-141.000.
- Accudent, Inc.: *See—*
  - Brown, Stephen J.; and Pond, Stanley L., 4,841,987, Cl. 128-777.000.
- Accufiber, Inc.: *See—*
  - Dils, Ray R.; and Winslow, Alan K., 4,845,647, Cl. 364-557.000.
- Accumanno, Mario B.; Ball, Laurence G.; and Price, Macy J., to Engineered Data Products, Inc. Holder for tape cartridges. 4,815,795, 3-28-89, Cl. 312-12.000.
- Accumanno, Mario B.: *See—*
  - Price, Macy J.; Accumanno, Mario B.; and Starkey, Daniel C., 4,807,836, Cl. 248-123.100.
- Accura Technology Corporation: *See—*
  - Garris, Sidney J.; Conner, Ancel U.; and Goodman, Gerald, 4,813,333, Cl. 89-14.300.
- Accurate Gas Control Systems, Inc.: *See—*
  - Shepherd, Michael V., 4,850,388, Cl. 137-212.000.
- Accurate Products Co.: *See—*
  - Buehning, Peter G., 4,889,476, Cl. 425-72.200.
- AccuSpray, Inc.: *See—*
  - Hufgard, John W., 4,869,641, Cl. 415-121.200.
- Accutrak Systems Limited: *See—*
  - Palmer, Ronald J.; and Fischer, Leonard, 4,833,480, Cl. 342-125.000.
- Ace, Gwyn C. Portable outrigger. 4,807,551, 2-28-89, Cl. 114-123.000.
- Ace Irrigation & Manufacturing Co.: *See—*
  - Thomas, W. Lynn, 4,863,096, Cl. 232-17.000.
- Ace Manufacturing Co.: *See—*
  - Sovis, Milo D., Jr.; and Parker, James A., 4,817,240, Cl. 16-297.000.
- Ace Manufacturing and Parts Co.: *See—*
  - Ijames, Carl E.; and Ijames, Kevin M., 4,815,189, Cl. 29-401.100.
- Ace, Ronald S. Method of making multi-focus ophthalmic lens. 4,859,261, 8-22-89, Cl. 156-102.000.
- Acebo Company: *See—*
  - Sorensen, Jens O., 4,807,775, Cl. 220-72.000.
  - Sorensen, Jens O., 4,844,405, Cl. 249-124.000.
  - Sorensen, Jens O., 4,846,483, Cl. 279-3.000.
- Acello, John J.: *See—*
  - Bradley, John J.; Painton, Richard C.; Acello, John J.; Sawyer, Edward G.; and Nutting, Thomas C., 4,816,929, Cl. 360-10.100.
- Acerno, Michael J.: *See—*
  - Guarino, Mark A.; and Acerno, Michael J., 4,863,180, Cl. 280-63.000.
- Aceti, John G.: *See—*
  - Lock, Brian E.; and Aceti, John G., 4,821,864, Cl. 198-368.000.
  - Lock, Brian E.; and Aceti, John G., 4,861,085, Cl. 294-87.100.
- Acezat-Mispelter, Francoise: *See—*
  - Kiechel, Jean-Rene; Acezat-Mispelter, Francoise; and Plas, Danielle, 4,885,305, Cl. 514-356.000.
- ACF Industries, Incorporated: *See—*
  - Coulborn, John W.; and Krug, John A., 4,875,417, Cl. 105-248.000.
  - Dugge, Richard H., 4,867,073, Cl. 105-358.000.
  - Dugge, Richard H., 4,884,723, Cl. 222-542.000.
  - Fix, Perry D.; and Rogers, William B., 4,846,377, Cl. 222-195.000.
  - Mundloch, James D.; and Casseau, William U., 4,805,540, Cl. 105-358.000.
  - Schmidt, Kenneth D., 4,880,148, Cl. 222-195.000.
- Achard, Patrick; and Mayer, Didier, to Association pour la Recherche et le Developpement des Methodes et Processus Industriels (A.R.-M.I.N.E.S.). Heat sink material. 4,816,173, 3-28-89, Cl. 252-70.000.
- Acharya, Arun; and Nowobilski, Jeffert J., to Union Carbide Corporation. Cryogenic combination tunnel freezer. 4,852,358, 8-1-89, Cl. 62-63.000.
- Acharya, Arun; Marchese, Michael A.; and Nowobilski, Jeffert J., to Union Carbide Corporation. Cryo-mechanical combination freezer. 4,856,285, 8-15-89, Cl. 62-63.000.
- Acharya, Kishore C.; and Schanen, Paul C., to General Electric Company. Data converter for CT data acquisition system. 4,815,118, 3-21-89, Cl. 378-19.000.
- Achatz, Manfred; Hofer, Peter; and Strobel, Jurgen. Multifocal, especially bifocal, intraocular, artificial ophthalmic lens. 4,813,955, 3-21-89, Cl. 623-6.000.
- Ache, Hans-Joachim: *See—*
  - Gusten, Hans; Ache, Hans-Joachim; Rinke, Monika; and Wirth, Hermann O., 4,876,029, Cl. 252-301.170.
- Achelpohl, Fritz, to Windmoller & Holscher. Apparatus for stacking and delivering flat articles, such as double bags made of plastic film. 4,796,499, 1-10-89, Cl. 83-151.000.
- Achelpohl, Fritz, to Windmoller & Holscher. Apparatus for stacking flat articles, preferably double bags made of plastic film. 4,826,476, 5-2-89, Cl. 493-204.000.
- Achelpohl, Fritz: *See—*
  - Ebmeyer, Wilfried; Achelpohl, Fritz; and Mundus, Friedhelm, 4,838,977, Cl. 156-252.000.
- Achenbach, Kurt F., to Ford Motor Company. Control system for adjustable automotive suspension unit. 4,853,860, 8-1-89, Cl. 364-424.050.
- Acher, Jacques; and Monier, Jean-Claude, to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. Process for synthesizing N-[(1′-allyl-2′pyrrolidinyl) methyl]2-methoxy-4,5-azimidobenzamide. 4,804,765, 2-14-89, Cl. 548-259.000.
- Acher, Jacques; Monier, Jean-Claude; Schmitt, Jean-Paul; Gardaix-Luthereau, Renee; Costall, Brenda; and Naylor, Robert, to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. Novel benzamides, intermediates and process for the preparation and therapeutic use thereof. 4,835,172, 5-30-89, Cl. 514-392.000.
- Acher, Jacques: *See—*
  - Thominet, Michel; Acher, Jacques; and Monier, Jean-Claude, 4,816,471, Cl. 514-428.000.
- Acheson Industries, Inc.: *See—*
  - Wiley, Robert E., 4,806,272, Cl. 252-511.000.
  - Wiley, Robert E., 4,818,437, Cl. 252-511.000.
  - Wiley, Robert E., 4,818,438, Cl. 252-511.000.
  - Wiley, Robert E., 4,889,750, Cl. 428-34.200.
- Acheson, Rees H. Automatic welding apparatus for weld build-up and method of achieving weld build-up. 4,873,419, 10-10-89, Cl. 219-125.100.
- Acheson, Robert E. Hydroplane polishing device and method. 4,869,779, 9-26-89, Cl. 156-636.000.
- Acheson, Willard P.: *See—*
  - Silver, Richard S.; Bunting, Pamela M.; Moon, William G.; and Acheson, Willard P., 4,799,545, Cl. 166-246.000.
- Achiha, Masahiko; Ishikura, Kazuo; Saito, Shobu; Sugiyama, Masato; and Katsumata, Kenji, to Hitachi, Ltd. Movement detector for composite color television signals. 4,811,092, 3-7-89, Cl. 358-105.000.
- Achiha, Masahiko: *See—*
  - Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, 4,821,112, Cl. 358-17.000.
- Achille, Geoffrey D., to Asdren Limited. Surface stripper. 4,860,450, 8-29-89, Cl. 30-172.000.
- Achilles, Hans H.: *See—*
  - Voigts, Eckhard; Achilles, Hans H.; Haussler, Adolf; and Peschel, Eberhard, 4,862,973, Cl. 175-52.000.
- Achim, Storz: *See—*
  - Remigio, Ros; and Achim, Storz, 4,803,379, Cl. 307-112.000.
- Achinger, Michael. Apparatus for transporting horizontally split boxless sand casting molds for foundry purposes. 4,846,251, 7-11-89, Cl. 164-323.000.
- Achiwa, Kazuo. Chiral phosphinopyrrolidine compounds and their use for asymmetric synthesis of optically active compounds. 4,879,389, 11-7-89, Cl. 548-412.000.
- Achleitner, August, to Ing. h.c.F. Porsche Aktiengesellschaft. Wheel suspension. 4,834,417, 5-30-89, Cl. 280-696.000.
- Achor, Donald P.: *See—*
  - Walker, Raymond M.; Achor, Donald P.; Baumgarten, Robert W.; and Bogard, Ralph B., 4,873,751, Cl. 29-156.80B.
- Acht, Joachim; and Benda, Franz, to VDO Adolf Schindling AG. Magnet assembly for measurement of displacement. 4,851,772, 7-25-89, Cl. 324-208.000.
- Achten, Hubertus: *See—*
  - Dekker, Martinus; Achten, Hubertus; and Heinemans, Lodewijk, 4,848,417, Cl. 139-452.000.
- Achtenberg, Theo; Metzinger, Hans-Gerd; Sattlegger, Hans; Sockel, Karl-Heinz; and Weber, Wilhelm, to Bayer Aktiengesellschaft. Moisture-hardening one-component polysiloxane compositions. 4,870,130, 9-26-89, Cl. 524-787.000.
- Achter, Eugen; and Lausch, Michael, to Heimann GmbH. Solder connection for an electrode of the gas discharge lamp and the method for manufacture. 4,827,189, 5-2-89, Cl. 313-623.000.
- Achterholt, Rainer. Pressure drop indicating valve cap for pneumatic tires. 4,819,686, 4-11-89, Cl. 137-229.000.
- Achterwinter, Norbert; and Hax, Wolfgang, to Reifenhauser GmbH & Co. Maschinenfabrik. Winding up a foil web, particularly a foil web of synthetic material. 4,886,219, 12-12-89, Cl. 242-58.600.

- Achterwinter, Norbert: *See—*
  - Halter, Hartmut; Zimmermann, Paul H.; and Achterwinter, Norbert, 4,798,351, Cl. 242-65.000.
- Aciers et Outillage Peugeot: *See—*
  - Escaravage, Gerard, 4,848,809, Cl. 292-11.000.
- Acitelli, Frank, to Amalgamated Chemical, Inc. Water based aerosol flame-proofing composition and method of manufacture. 4,816,186, 3-28-89, Cl. 252-610.000.
- Ackenhusen, John G., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Linear predictive speech coding arrangement. 4,847,906, 7-11-89, Cl. 381-41.000.
- Acker Drill Co.: *See—*
  - Acker, William L., III; Hryhorcoff, Dan; and Powell, Gary T., 4,844,489, Cl. 279-4.000.
- Acker Drill Co., Inc.: *See—*
  - Acker, William L., III; Janson, Leroy W.; and Pirrami, Richard, 4,844,184, Cl. 175-323.000.
- Acker, Jesse: *See—*
  - Meserol, Peter M.; and Acker, Jesse, 4,837,160, Cl. 436-45.000.
- Acker, Lawrence D.: *See—*
  - Russell, Robert H.; and Acker, Lawrence D., 4,870,971, Cl. 128-661.010.
- Acker, Peter J.: *See—*
  - Longmore, Wayne D.; and Acker, Peter J., 4,822,338, Cl. 604-54.000.
- Acker, Robert M.; and Madron, John P., to Norsaire Systems. Header assembly for plate-type evaporative heat exchangers. 4,846,266, 7-11-89, Cl. 165-115.000.
- Acker, William L., III; Janson, Leroy W.; and Pirrami, Richard, to Acker Drill Co., Inc. Lock device for hollow stem augers. 4,844,184, 7-4-89, Cl. 175-323.000.
- Acker, William L., III; Hryhorcoff, Dan; and Powell, Gary T., to Acker Drill Co. Chuck apparatus and method. 4,844,489, 7-4-89, Cl. 279-4.000.
- Ackeret, Peter, to Licinvest AG. Container for a pile of pictures. 4,798,015, 1-17-89, Cl. 40-152.100.
- Ackeret, Peter, to IDN Inventions and Development of Novelties AG. Device for storing flat recording media. 4,804,085, 2-14-89, Cl. 206-309.000.
- Ackeret, Peter, to IDN Inventions and Development of Novelties AG. Container for flat recording media. 4,807,749, 2-28-89, Cl. 206-387.000.
- Ackeret, Peter. Storage container for disc-form recording media. 4,811,995, 3-14-89, Cl. 312-15.000.
- Ackeret, Peter, to Licinvest AG. Container for accommodating a pile of pictures. 4,817,314, 4-4-89, Cl. 40-513.000.
- Ackeret, Peter, to IDN Inventions and Development of Novelties AG. Container for the storage of magnetic-tape cassettes of other recording media. 4,842,348, 6-27-89, Cl. 312-12.000.
- Ackeret, Peter, to IDN Inventions and Development of Novelties A.G. Storage container for compact cassettes. 4,856,653, 8-15-89, Cl. 206-387.000.
- Ackeret, Peter, to Licinvest AG. Picture viewing device. 4,860,472, 8-29-89, Cl. 40-513.000.
- Ackeret, Peter, to Licinvest AG. Device for the cyclic rearrangement of a pile of rectangular or square sheets. 4,860,473, 8-29-89, Cl. 40-513.000.
- Ackeret, Peter, to Licinvest AG. Device for the cyclic rearrangement of a pile of sheets. 4,869,006, 9-26-89, Cl. 40-511.000.
- Ackeret, Peter, to IDN Inventions and Development of Novelties AG. Container for magnetic tape cassettes. 4,875,584, 10-24-89, Cl. 206-387.000.
- Ackeret, Peter, to Licinvest AG. Cyclic rearrangement apparatus for stacked rectangular sheets. 4,879,825, 11-14-89, Cl. 40-513.000.
- Ackeret, Peter, to IDN Inventions and Development of Novelties AG. Device for storing flat recording media. 4,884,685, 12-5-89, Cl. 206-309.000.
- Ackeret, Peter: *See—*
  - Bohnet, Klaus; and Ackeret, Peter, 4,828,341, Cl. 312-12.000.
- Ackerhalt, Jay R.: *See—*
  - Band, Yehuda B.; Heller, Donald F.; Krasinski, Jerzy S.; and Ackerhalt, Jay R., 4,829,528, Cl. 372-3.000.
- Ackerly, Robert E., to Kaiser Aluminum & Chemical Corporation. Rolling mill roll eccentricity control. 4,843,854, 7-4-89, Cl. 72-8.000.
- Ackerman, Abram. Combination locking and radio frequency interference shielding security system for a coaxial cable connector. 4,806,116, 2-21-89, Cl. 439-304.000.
- Ackerman, Dean C.: *See—*
  - Sherrick, Ronald E.; Ackerman, Dean C.; Draxton, Dean E.; Matthews, John C.; Smith, Don W.; and Stevens, John G., 4,803,959, Cl. 122-379.000.
- Ackerman, John P.; and Miller, William E., to United States of America, Energy. Electrorefining process and apparatus for recovery of uranium and a mixture of uranium and plutonium from spent fuels. 4,880,506, 11-14-89, Cl. 204-1.500.
- Ackerman, John P.: *See—*
  - Johnson, Terry R.; Ackerman, John P.; Tomczuk, Zygmunt; and Fischer, Donald F., 4,814,046, Cl. 204-1.500.
- Ackerman, Marvin: *See—*
  - Hollis, Robert; Lewis, John E.; and Ackerman, Marvin, 4,882,678, Cl. 364-413.310.
- Ackerman, Neil R.; Harris, Richard R.; Loveless, Scott E.; and Neubauer, Russel H., to Du Pont de Nemours, E. I., and Company. 4-quinoline carboxylic acid derivatives useful for treating skin and muco-epithelial diseases. 4,861,783, 8-29-89, Cl. 514-311.000.
- Ackerman, Robert T., to Nicholson Manufacturing Company. Recirculating oil lubrication system for rotary ring log barkers. 4,844,201, 7-4-89, Cl. 184-6.000.
- Ackerman, Steven J.: *See—*
  - Hammon, Mark A.; and Ackerman, Steven J., 4,844,470, Cl. 273-195.00R.
- Ackermann, Ernst: *See—*
  - Ammann, Jorg; Schaffner, Hans Peter; and Ackermann, Ernst, 4,817,517, Cl. 99-483.000.
- Ackermann, Francois; and Berrebi, Georges, to Europeenne de Retraitement de Catalyseurs Eurecat. Process for performing the separation of extruded materials which may or may not show imperfections. 4,839,031, 6-13-89, Cl. 209-2.000.
- Ackermann, Frank; Wollermann-Windgasse, Reinhard; and Faller, Bernd, to Trumpf GmbH & Co. Device for coupling HF energy to lasers. 4,805,072, 2-14-89, Cl. 361-328.000.
- Ackermann, Frank; Wollermann-Windgasse, Reinhard; and Faller, Bernd. Device for a modular power laser. 4,878,227, 10-31-89, Cl. 372-107.000.
- Ackermann, Frank: *See—*
  - Wollermann-Windgasse, Reinhard; Ackermann, Frank; and Faller, Bernd, 4,815,093, Cl. 372-62.000.
- Ackermann, Helmut: *See—*
  - Ring, Manfred; Weber, Jurgen; and Ackermann, Helmut, 4,854,707, Cl. 356-356.000.
- Ackermann, Jurgen: *See—*
  - Steinbach, Hans-Horst; Ackermann, Jurgen; and Schlak, Ottfried, 4,818,423, Cl. 252-49.600.
- Ackermann, Manfred; and Narbert, Franklin V., to Union Special Corporation. Hemming device with hemming guide and guide member for a sewing machine. 4,817,544, 4-4-89, Cl. 112-141.000.
- Ackermann, Norbert: *See—*
  - Knecht, Heinz; and Ackermann, Norbert, 4,802,561, Cl. 188-318.000.
  - Knecht, Heinz; and Ackermann, Norbert, 4,880,086, Cl. 188-299.000.
- Ackermann, Peter, to Ciba-Geigy Corporation. α-methyl-(6-phenoxy)-2-picolyl cyclopropanecaraboxylates having pesticidal activity. 4,822,806, 4-18-89, Cl. 514-345.000.
- Ackermann, Peter: *See—*
  - Gsell, Laurenz; and Ackermann, Peter, 4,798,912, Cl. 568-637.000.
- Ackermann, Ulrich, to BBC Brown Boveri & Co., Ltd. Compressed-gas breaker. 4,798,924, 1-17-89, Cl. 200-148.00R.
- Ackermann, Ulrich; Faller, Kurt; Guzek, Krzysztof; and Meier, Arnold, to BBC Brown Boveri AG. Gas-blast breaker. 4,839,482, 6-13-89, Cl. 200-148.00B.
- Ackermann, Walter T.; and Denslow, Clark A., to A-D Technology Ltd. Snap fastener construction. 4,825,516, 5-2-89, Cl. 24-693.000.
- Ackermann, Werner; and Schirmuly, Klaus. Process and means for hot-dip galvanizing finned tubes. 4,814,210, 3-21-89, Cl. 427-433.000.
- Ackerson, D. Scott; Impink, Albert J., Jr.; Balkey, Kenneth R.; and Andreychek, Timothy S., to Westinghouse Electric Corp. On-line monitoring and analysis of reactor vessel integrity. 4,801,421, 1-31-89, Cl. 376-249.000.
- Ackerson, Robert C.; and Yuyama, Takeshi, to Du Pont de Nemours, E. I., and Company. Selective method-of-use of oxabicycloalkanes. 4,798,621, 1-17-89, Cl. 71-90.000.
- Ackert, Gail M.; Gillis, Donald B.; and Connelly, Patrick J., to Connelly Skis, Inc. Water ski binding. 4,869,697, 9-26-89, Cl. 441-70.000.
- Ackland, David J.: *See—*
  - Dulebohn, David H.; and Ackland, David J., 4,823,792, Cl. 128-321.000.
- Ackland, Martin R., to Metal Box plc. Apparatus for detecting microorganisms. 4,801,546, 1-31-89, Cl. 435-291.000.
- Acklin, Georg; Aufderhaar, Ernst; Kaupp, Gunter; Raz, Bernhard; and Vogel, Ulrich, to Ciba-Geigy Corporation. Process for the manufacture of N,N-(Dibenzohexatrienylene)ureas. 4,847,374, 7-11-89, Cl. 540-589.000.
- Ackman, Gregory. Heavy duty mounting base. 4,804,973, 2-14-89, Cl. 343-888.000.
- Ackmann, Martin E. Terminal for side-mount battery. 4,797,111, 1-10-89, Cl. 439-755.000.
- Ackmann, Martin E. Hanger carrying/holding device. 4,856,688, 8-15-89, Cl. 224-217.000.
- Ackmann, Stephen A.; Beck, James R.; and Wright, Fred L., to Eli Lilly and Company. 1-phenylpyrazole-4,5-dicarboxylic acid derivatives, composition containing them, and pollen formation inhibiting method of using them. 4,801,326, 1-31-89, Cl. 71-92.000.
- Ackroff, John M.; Heffler, Michael J.; and Mitchell, John C., to American Telephone and Telegraph Company; and Bell Telephone Laboratories, Incorporated. On-line documentation facility. 4,800,485, 1-24-89, Cl. 364-200.000.
- Ackroyd, Rand H.; and Corcoran, Mark T., to Watts Regulator Company. Tamperproof coupling. 4,821,763, 4-18-89, Cl. 137-218.000.
- Acksteiner, Bernard: *See—*
  - Wachtel, Helmut; Schneider, Herbert H.; Loschmann, Peter-Andreas; Dorow, Rainer; Horowski, Reinhard; Acksteiner, Bernard; Schulze, Paul-Eberhard; and Sauer, Gerhard, 4,857,298, Cl. 424-1.100.
- Acme-Cleveland Corporation: *See—*
  - Calevich, Thomas J.; and Hansen, Lamont, 4,808,047, Cl. 408-14.000.
- Acme Electric Corporation: *See—*
  - Emerson, Wayne C., 4,799,130, Cl. 361-437.000.
- Acme General Corporation: *See—*
  - Gephart, John D.; and Jerila, Torsti T. T., 4,811,683, Cl. 16-97.000.

- Jacobs, Kenneth; and Jerila, Torsti T. T., 4,819,297, Cl. 16-87.00R.
- Acme Group, The: *See—*
  - Redfield, John H., 4,824,146, Cl. 285-45.000.
- Acme Marls Limited: *See—*
  - Elliott, John, 4,836,777, Cl. 432-241.000.
- Acme Resin Corporation: *See—*
  - Iyer, Raja; Shah, Rasik C.; and Laitar, Robert A., 4,848,442, Cl. 164-526.000.
  - Korpics, Charles J., 4,848,470, Cl. 166-312.000.
- ACO Polymer Products, Inc.: *See—*
  - Capuano, Terry D., 4,838,727, Cl. 404-2.000.
- Acocella, John: *See—*
  - Herron, Lester W.; Lussow, Robert O.; Nufer, Robert W.; Schwartz, Bernard; Acocella, John; and Reddy, Srinivasa N., 4,879,156, Cl. 428-137.000.
- Acord, Dennis E.: *See—*
  - Byers, Charles H., Jr.; Michl, Terry L.; and Acord, Dennis E., 4,838,705, Cl. 374-14.000.
- Acosta, Anita S. Child's association game. 4,846,691, 7-11-89, Cl. 434-259.000.
- Acosta, George M.: *See—*
  - Penny, William H., III; Rosen, Jonathan J.; and Acosta, George M., 4,816,029, Cl. 623-2.000.
- Acosta, Jorge L.: *See—*
  - Hellekson, Ronald A.; Acosta, Jorge L.; and Campbell, John S., 4,799,164, Cl. 235-467.000.
  - Hellekson, Ronald A.; Campbell, John S.; and Acosta, Jorge L., 4,861,973, Cl. 235-467.000.
- A'Court, Richard, to BP Chemicals Limited. Production of bicyclic guanidines from bis(aminoalkyl)amine. 4,797,487, 1-10-89, Cl. 544-279.000.
- Acquaro, William D. Cargo trailer safety lock. 4,883,393, 11-28-89, Cl. 410-52.000.
- Acquaviva, Thomas; and Smith, Richard E., to Xerox Corporation. Method and apparatus for automatic "two-up" copying with intermediate latent image copiers. 4,814,822, 3-21-89, Cl. 355-14.0SH.
- Acquaviva, Thomas, to Xerox Corporation. Job batching system for high capacity copier with RDH. 4,834,360, 5-30-89, Cl. 271-3.100.
- Acquaviva, Thomas; Wierszewski, Ronald R.; and Demchock, Stephen A., to Xerox Corporation. Mid form start CF document feeder. 4,844,434, 7-4-89, Cl. 271-3.000.
- Acra-Plant, Inc.: *See—*
  - Robertson, Forrest E.; and Williams, Donald E., 4,867,248, Cl. 172-753.000.
- Acraloc Corporation: *See—*
  - Ailey, Harrison A., Jr., 4,813,102, Cl. 17-23.000.
- ACRAVAC: *See—*
  - Miller, Murrell T., 4,877,124, Cl. 198-711.000.
- Acree, Elick H., to Gulf Nuclear, Inc. Method and apparatus for injecting radioactive tagged sand into oil and gas wells. 4,799,552, 1-24-89, Cl. 166-305.100.
- Acree, William M.; Edwards, Bobby; and Black, John W., to American Home Products Corporation. Canine corona virus vaccine. 4,824,785, 4-25-89, Cl. 435-237.000.
- Acrison, Inc.: *See—*
  - Ricciardi, Ronald J.; and Bober, Mark, 4,804,111, Cl. 222-77.000.
  - Ricciardi, Ronald J.; and Laidlaw, John, 4,867,343, Cl. 222-1.000.
- Acrodyne Industries, Inc.: *See—*
  - Hulick, Timothy P., 4,804,931, Cl. 332-31.00R.
- AcroMed Corporation: *See—*
  - Heinig, Charles F.; Asher, Marc A.; and Strippgen, Walter E., 4,887,595, Cl. 606-61.000.
  - Park, Joon B.; Weinstein, James N.; and Goel, Vijay K., 4,836,196, Cl. 128-92.0YM.
  - Steffee, Arthur D., 4,854,311, Cl. 128-92.0YM.
- Acrowood Corporation: *See—*
  - Terrenzio, Gabriel M., 4,796,822, Cl. 241-275.000.
- ACS Communications, Inc.: *See—*
  - Stevens, Toni R., 4,864,610, Cl. 379-431.000.
- ACT Laboratories, Inc.: *See—*
  - Hankison, Paul M., 4,886,369, Cl. 366-165.000.
- Actel Corporation: *See—*
  - El-Ayat, Khaled A.; El Gamal, Abbas; and Mohsen, Amr M., 4,857,774, Cl. 307-465.000.
  - El Gamal, Abbas A.; El-Ayat, Khaled A.; Greene, Jonathan W.; Guo, Ta-Pen R.; and Reyneri, Justin M., 4,873,459, Cl. 307-465.000.
  - Galbraith, Douglas C., 4,871,933, Cl. 307-530.000.
  - Galbraith, Douglas C., 4,871,978, Cl. 330-253.000.
  - Mohsen, Amr M.; Hamdy, Esmat Z.; and McCullum, John L., 4,823,181, Cl. 357-51.000.
  - Mohsen, Amr M.; Hamdy, Esmat Z.; and McCollum, John L., 4,876,220, Cl. 437-170.000.
  - Mohsen, Amr M.; Hamdy, Esmat Z.; and McCollum, John L., 4,881,114, Cl. 357-54.000.
- Actex, Inc.: *See—*
  - Wayte, Michael J., 4,867,826, Cl. 156-219.000.
- Acticiel S.A.: *See—*
  - Normand, Gerard; and Persuy, Michel, 4,822,050, Cl. 273-149.00P.
- Action Pumping Services Ltd.: *See—*
  - Hockley, Stephen J., 4,799,864, Cl. 417-7.000.
- Action Technologies, Inc.: *See—*
  - Schumacher, John E., III, 4,840,702, Cl. 156-643.000.
- Actis, Robert J.: *See—*
  - Elliott, Randy D.; and Actis, Robert J., 4,866,257, Cl. 235-436.000.
- Activational Systems, Inc.: *See—*
  - Chiodo, Chris, 4,885,945, Cl. 73-863.320.
- Active English Information Systems, Inc.: *See—*
  - Phillips, Clarence W.; Phillips, William F.; and Jacobus, Gerry A., 4,835,683, Cl. 364-200.000.
- Active Memory Technology Ltd.: *See—*
  - Cowley, Colin H., 4,876,641, Cl. 364-200.000.
  - Humpleman, Richard J., 4,855,615, Cl. 307-269.000.
- Acton, Edward M.; and Tong, George L., to SRI International. Bridged oxygen analogs of daunorubcin and doxorubicin. 4,826,964, 5-2-89, Cl. 536-6.400.
- Acton, Hugh C.; and Walworth, Robert S., to American Seating Company. Auditorium seat. 4,861,108, 8-29-89, Cl. 297-445.000.
- Acton Research Corporation: *See—*
  - Flint, Bruce K.; Fancy, Robert D.; and Jarratt, Robert V., Jr., 4,815,842, Cl. 356-73.000.
- Actron Manufacturing Company: *See—*
  - Frantz, Leo R.; Bauer, Alfred; Koran, Matthew H.; and Becker, Jack, 4,876,416, Cl. 200-11.00R.
- Actv, Inc.: *See—*
  - Freeman, Michael J., 4,847,698, Cl. 358-343.000.
  - Freeman, Michael J., 4,847,699, Cl. 358-343.000.
  - Freeman, Michael J., 4,847,700, Cl. 358-343.000.
- Acumeter Laboratories, Inc.: *See—*
  - McIntyre, Frederic S., 4,805,554, Cl. 118-666.000.
  - McIntyre, Frederic S., 4,867,828, Cl. 156-247.000.
  - McIntyre, Frederic S., 4,871,593, Cl. 427-428.000.
  - McIntyre, Frederic S., 4,883,691, Cl. 427-434.200.
- Acurex Corporation: *See—*
  - Yu, Edward K.; and Rogers, David W. 4,796,536, Cl. 102-505.000.
- Acushnet Company: *See—*
  - Berard, Raymond A., 4,798,386, Cl. 273-235.00R.
  - Brown, Robert A., 4,846,910, Cl. 156-170.000.
  - Gobush, William, 4,804,189, Cl. 273-232.000.
  - Gobush, William; Berard, Raymond A.; Brown, Robert A.; and Jepson, John W., 4,858,923, Cl. 273-62.000.
  - Isaac, Sharon R.; and Harris, Kevin M., 4,865,326, Cl. 273-235.00A.
  - Zimbone, Paul J., 4,874,154, Cl. 267-140.400.
- Acutherm, Ltd.: *See—*
  - Kline, James R.; and Hunka, Robert S., 4,821,955, Cl. 236-49.300.
- Acuto, Giovanni; and DeMaria, Attilio, to Fiat Auto S.p.A. Front seat assembly for motor vehicles, particularly motor cars. 4,846,520, 7-11-89, Cl. 296-65.100.
- Ad-Aptations Inc.: *See—*
  - Fraynd, Linda S., 4,817,320, Cl. 40-621.000.
- Ad Impressions, Inc.: *See—*
  - Bierk, Nancy L., 4,864,736, Cl. 36-11.500.
- Ad-Tec Products, Inc.: *See—*
  - Whelan, James P., 4,853,126, Cl. 210-469.000.
- Ad-Tech Medical Instrument Corporation: *See—*
  - Putz, David A., 4,850,359, Cl. 128-642.000.
  - Putz, David A., 4,869,255, Cl. 128-642.000.
  - Wyler, Allen R., 4,805,625, Cl. 128-642.000.
- Adachi, Akio: *See—*
  - Hishinuma, Itaru; Adachi, Akio; and Toyoshima, Ko, 4,823,585, Cl. 72-247.000.
- Adachi, Akira: *See—*
  - Wakabayashi, Kouichi; Shimoyashiki, Nobuyoshi; and Adachi, Akira, 4,810,316, Cl. 156-78.000.
- Adachi, Atsushi: *See—*
  - Sasaki, Jun; Adachi, Atsushi; Naruo, Kyoichi; Shinagawa, Yukio; and Ohtani, Sumio, 4,840,733, Cl. 210-500.410.
- Adachi, Eiichi, to Ricoh Company, Ltd. Store and forward switching type communication control apparatus. 4,870,678, 9-26-89, Cl. 379-100.000.
- Adachi, Eiichi: *See—*
  - Kumazawa, Tetsuo; Shimaoka, Makoto; Fukuda, Kazuyuki; and Adachi, Eiichi, 4,880,290, Cl. 350-96.200.
- Adachi, Fukuichi: *See—*
  - Onose, Jun; Takagi, Kazutoshi; and Adachi, Fukuichi, 4,855,875, Cl. 362-32.000.
- Adachi, Hideki: *See—*
  - Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
  - Tomosada, Masahiro; Ogawa, Hiroshi; Tohyama, Yoshikuni; Adachi, Hideki; Suzuki, Tadashi; and Ohki, Naoyuki, 4,803,520, Cl. 355-7.000.
  - Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.
  - Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,447, Cl. 355-204.000.
- Adachi, Hiromitsu: *See—*
  - Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, 4,876,529, Cl. 340-450.300.
  - Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, 4,888,576, Cl. 340-451.000.
- Adachi, Hiroo: *See—*
  - Sato, Takeshi; Adachi, Hiroo; and Munetomo, Shigeru, 4,860,361, Cl. 381-55.000.
- Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, to Kabushiki Kaisha Toshiba. Processing method and processor for machine translation. 4,866,670, 9-12-89, Cl. 364-900.000.

- Adachi, Hitoyuki; and Ozoe, Masahiro, to Mitsubishi Agricultural Machinery Co., Ltd. Soil tilling machine. 4,838,357, 6-13-89, Cl. 172-43.000.
- Adachi, Ikuo; Yamamori, Teruo; Ueda, Motohiko; and Sato, Hatsuo, to Shionogi & Co., Ltd. 4,7-dihydropyrazolo(3,4-b) pyridine derivatives. 4,873,334, 10-10-89, Cl. 514-303.000.
- Adachi, Iwao P., to United States of America, Army. Process for figuring the surface of a metal mirror. 4,846,944, 7-11-89, Cl. 204-129.200.
- Adachi, Keiichi; Ohno, Shigeru; Inagaki, Yoshio; Seto, Nobuo; and Jinbo, Yoshihiro, to Fuji Photo Film Co., Ltd. Novel pyrazolone dye. 4,833,246, 5-23-89, Cl. 544-82.000.
- Adachi, Keiichi: *See—*
  - Inagaki, Yoshio; Hioki, Takanori; Makino, Naonori; Adachi, Keiichi; and Suzuki, Yoshiaki, 4,851,322, Cl. 430-270.000.
  - Inagaki, Yoshio; Adachi, Keiichi; and Suzuki, Yoshiaki, 4,885,228, Cl. 430-270.000.
  - Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiichi; Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, 4,879,204, Cl. 430-512.000.
  - Kuwabara, Kenichi; Takahashi, Toshiro; Adachi, Keiichi; and Okada, Masahiro, 4,830,950, Cl. 430-264.000.
  - Ohno, Shigeru; Mihara, Yuji; and Adachi, Keiichi, 4,839,265, Cl. 430-522.000.
  - Sakai, Minoru; and Adachi, Keiichi, 4,865,957, Cl. 430-505.000.
- Adachi, Kenro: *See—*
  - Ito, Kenichiro; Nojiri, Hiromi; and Adachi, Kenro, 4,852,707, Cl. 192-44.000.
- Adachi, Kinichi: *See—*
  - Harada, Terumaru; Inoda, Kenichi; Fujita, Tatsuo; and Adachi, Kinichi, 4,870,821, Cl. 60-520.000.
- Adachi, Koji: *See—*
  - Marugama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, Toshiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; and Nobumasa, Furuya, 4,882,247, Cl. 430-45.000.
- Adachi, Kouji: *See—*
  - Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, 4,833,505, Cl. 355-326.000.
- Adachi, Kuniaki; Tamai, Hideo; and Sadai, Masanao, to Lion Corporation. Stimulation of hair growth with aliphatic carboxylic acids. 4,874,791, 10-17-89, Cl. 514-558.000.
- Adachi, Masakazu, to Otsuka Pharmaceutical Company, Limited. Process for preparing glycosidic linkage related antigen. 4,849,510, 7-18-89, Cl. 530-395.000.
- Adachi, Masami: *See—*
  - Okafuji, Yukitaka; Tajima, Kunio; Sumiuchi, Masaharu; Adachi, Masami; and Takahashi, Shoji, 4,830,693, Cl. 156-132.000.
- Adachi, Mikio: *See—*
  - Ito, Toshiyasu; Mori, Takaaki; Minoura, Jun; and Adachi, Mikio, 4,832,468, Cl. 350-357.000.
- Adachi, Minoru; and Kizawa, Takashi, to Adachishin Industrial Co., Ltd. Rotary body of hard material with plastic supporter. 4,886,377, 12-12-89, Cl. 384-49.000.
- Adachi, Mitsuhiro, to Tachikawa Spring Co., Ltd. Vehicle seat. 4,883,318, 11-28-89, Cl. 297-234.000.
- Adachi, Naoki: *See—*
  - Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, 4,862,170, Cl. 341-144.000.
- Adachi, Naomichi, to Aisin Seiki Kabushiki Kaisha. Clutch disc. 4,813,523, 3-21-89, Cl. 192-106.200.
- Adachi, Naotomo: *See—*
  - Kaiwa, Ryoichi; Kudo, Michiyoshi; Kobayashi, Keiki; Suganuma, Yuichiro; and Adachi, Naotomo, 4,881,258, Cl. 379-58.000.
- Adachi, Nobukazu: *See—*
  - Kobayashi, Hiroo; Fujino, Hitoshi; Yagi, Tadashi; Adachi, Nobukazu; Hayakawa, Yasuyoshi; and Setoriyama, Takeshi, 4,873,548, Cl. 355-200.000.
- Adachi, Nobuo; and Ogawa, Shinya, to ORC Manufacturing Co., Ltd. Exposure apparatus. 4,885,604, 12-5-89, Cl. 355-30.000.
- Adachi, Osamu; and Konosu, Osamu, to Matsushita Electronics Corporation. Color picture tube having reduced local doming. 4,837,482, 6-6-89, Cl. 313-402.000.
- Adachi, Shigemi; Nakaosa, Yoshitake; and Fujioka, Yoshiki, to Hitachi, Ltd. Emulation method. 4,812,975, 3-14-89, Cl. 364-300.000.
- Adachi, Shigeru, to Mitsubishi Denki Kabushiki Kaisha. Chinese character printer controlling device. 4,811,242, 3-7-89, Cl. 364-519.000.
- Adachi, Shigeru: *See—*
  - Kato, Koji; Umehara, Noritsugu; Adachi, Shigeru; and Sato, Shin, 4,821,466, Cl. 51-317.000.
- Adachi, Shin: *See—*
  - Miyagi, Hideo; Ohya, Fumiaki; Fukushima, Koji; and Adachi, Shin, 4,800,863, Cl. 123-559.300.
- Adachi, Shoji: *See—*
  - Hosoda, Takuya; Adachi, Shoji; and Kudo, Atsushi, 4,798,950, Cl. 250-214.00A.
- Adachi, Souichi: *See—*
  - Takahashi, Tsuyoshi; and Adachi, Souichi, 4,808,097, Cl. 425-8.000.
- Adachi, Susumu; and Kamegawa, Masayuki, to Shimadzu Corporation. Low-noise arrayed sensor radiation image detecting system wherein each sensor connects to a buffer circuit. 4,804,854, 2-14-89, Cl. 250-578.000.
- Adachi, Taira, to Sumitomo Heavy Industries, Ltd. Apparatus clutch controlled closure means for a molding. 4,797,086, 1-10-89, Cl. 425-589.000.
- Adachi, Takashi: *See—*
  - Morimoto, Shigeo; Takahashi, Yoko; Watanabe, Yoshiaki; Adachi, Takashi; Asaka, Toshifumi; and Sota, Kaoru, 4,833,236, Cl. 536-7.200.
- Adachi, Takayuki; and Nakano, Nobuo, to JSE Corporation; and Katsuhiko Watanabe Holdings Ltd. Method and apparatus for removing substances adhering to surface. 4,806,172, 2-21-89, Cl. 134-34.000.
- Adachi, Takefumi: *See—*
  - Hirasawa, Junichi; Kodama, Yutaka; Komada, Kenya; and Adachi, Takefumi, 4,866,482, Cl. 355-260.000.
- Adachi, Takehiro, to Koyo Seiko Co., Ltd. Composite cylindrical roller bearing assembly. 4,861,171, 8-29-89, Cl. 384-455.000.
- Adachi, Takeshi; and Masaki, Kazuo, to Yamaha Corporation. Tone signal generation device for an electric musical instrument. 4,840,100, 6-20-89, Cl. 84-1.190.
- Adachi, Takesi, to Kabushiki Kaisha Toshiba. Intermediate-frequency processing circuit. 4,814,874, 3-21-89, Cl. 358-140.000.
- Adachi, Tatsuya: *See—*
  - Daimon, Takashi; Sakamoto, Hideshi; and Adachi, Tatsuya, 4,857,377, Cl. 428-90.000.
  - Kaito, Takashi; and Adachi, Tatsuya, 4,876,112, Cl. 427-38.000.
- Adachi, Tetsuro: *See—*
  - Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.
- Adachi, Toshio: *See—*
  - Ukai, Katsumi; Tsukada, Tsutomu; Ikeda, Kouji; and Adachi, Toshio, 4,816,638, Cl. 219-121.430.
- Adachi, Yasaburo: *See—*
  - Nakanishi, Tsutomu; Kitajima, Akira; Fuwa, Yoshiaki; and Adachi, Yasaburo, 4,796,018, Cl. 340-691.000.
- Adachi, Yasuto: *See—*
  - Tanioka, Satoshi; Nishimoto, Yasuyuki; and Adachi, Yasuto, 4,804,561, Cl. 427-130.000.
- Adachi, Yoshiharu; Nishimura, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Anti-skid apparatus for automotive vehicle. 4,800,289, 1-24-89, Cl. 303-119.000.
- Adachi, Yoshimasa: *See—*
  - Takeno, Shozo; Kakegawa, Masayuki; and Adachi, Yoshimasa, 4,832,455, Cl. 350-334.000.
- Adachi, Yoshio: *See—*
  - Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, 4,810,301, Cl. 106-287.240.
- Adachi, Yuuma; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Method and apparatus for radiation image recording and read-out including data processing based on a portion of image data defined by an irradiation field stop. 4,816,677, 3-28-89, Cl. 250-327.200.
- Adachi, Yuuma; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Method and apparatus for radiation image recording and read-out including control of read-out in accordance with irradiation field definition. 4,816,690, 3-28-89, Cl. 250-327.200.
- Adachi, Yuuma; Nakajima, Nobuyoshi; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Method of adjusting radiation image read-out conditions. 4,851,678, 7-25-89, Cl. 250-327.200.
- Adachi, Yuuma; and Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method. 4,861,993, 8-29-89, Cl. 250-327.200.
- Adachi, Yuuma; and Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,864,132, 9-5-89, Cl. 250-327.200.
- Adachi, Yuuma: *See—*
  - Nakajima, Nobuyoshi; Adachi, Yuuma; and Ishida, Masamitsu, 4,816,680, Cl. 250-327.200.
- Adachishin Industrial Co., Ltd.: *See—*
  - Adachi, Minoru; and Kizawa, Takashi, 4,886,377, Cl. 384-49.000.
- Adahan, Carmeli. Portable ventilator apparatus. 4,807,616, 2-28-89, Cl. 128-204.210.
- Adahan, Carmeli. Portable ventilator apparatus. 4,823,787, 4-25-89, Cl. 128-203.270.
- Adair, Edwin L. Method for controllably embolyzing blood vessels. 4,869,246, 9-26-89, Cl. 128-303.100.
- Adair, Edwin L. Gas insufflation needle with instrument port. 4,869,717, 9-26-89, Cl. 604-51.000.
- Adair, Edwin L. Rigid video endoscope with heat sterilizable sheath. 4,878,485, 11-7-89, Cl. 128-6.000.
- Adair, Henry, to Memorex Corporation. Tape reel. 4,880,180, 11-14-89, Cl. 242-71.800.
- Adair, Paul C.; and Hess, Todd M., to Mead Corporation, The. Magnetic recording compositions containing ionic dye compounds as initiators. 4,801,392, 1-31-89, Cl. 252-62.540.
- Adair, Paul C., to Mead Corporation, The. Photocurable composition containing a photoreducible dye a thiol and an N,N'-dialkylaniline. 4,874,685, 10-17-89, Cl. 430-138.000.
- Adair, Paul C.: *See—*
  - Liang, Rong-Chang; Kintz, Karl A.; O'Connor, Joseph G.; and Adair, Paul C., 4,877,767, Cl. 503-212.000.
  - Metz, George D.; McCrary, Carl; O'Connor, Joseph G.; Adair, Paul C.; Proehl, D. Scott; Saccocio, Edward J.; and Dowler, James, 4,859,561, Cl. 430-138.000.

- O'Connor, Joseph G.; and Adair, Paul C., 4,882,259, Cl. 430-138.000.
- Wright, Richard F.; and Adair, Paul C., 4,816,371, Cl. 430-138.000.

Adalet/Scott Fetzer Company: *See—*
  - Shramo, Daniel J., 4,843,269, Cl. 310-208.000.

Adam, Bruno; Jaecklin, Andre; and Vlasak, Thomas, to BBC Brown Boveri AG. Method for producing large-area power semiconductor components. 4,806,497, 2-21-89, Cl. 437-006.000.

Adam, Colin M., to United States of America, Air Force. Bearings fabricated from rapidly solidified powder and method. 4,808,226, 2-28-89, Cl. 75-246.000.

Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., to Allied-Signal Inc. Rapidly solidified aluminum based, silicon containing alloys for elevated temperature applications. 4,828,632, 5-9-89, Cl. 148-437.000.

Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., to Allied-Signal Inc. Rapidly solidified aluminum based, silicon containing alloys for elevated temperature applications. 4,878,967, 11-7-89, Cl. 148-437.000.

Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., to Allied-Signal Inc. Rapidly solidified aluminum based silicon containing, alloys for elevated temperature applications. 4,879,095, 11-7-89, Cl. 420-548.000.

Adam, Colin M.: *See—*
  - Bye, Richard L., Jr.; Bose, Debasis; Das, Santosh K.; Datta, Amitava; and Adam, Colin M., 4,838,341, Cl. 164-463.000.

Adam, Didier: *See—*
  - Derewonko, Henri; Adam, Didier; Delagebeaudeuf, Daniel; and Resneau, Patrick, 4,872,049, Cl. 357-68.000.

Adam, Hamish G.; Sharer, Peter J.; and Peterson, P. Eric, to Western Atlas International, Inc. Electromagnetic digitizer. 4,845,503, 7-4-89, Cl. 342-448.000.

Adam, Helmut: *See—*
  - Vollmer, Elmar; Adam, Helmut; and Wilhelm, Werner, 4,795,189, Cl. 280-801.000.

Adam, Jean-Marie. Cationic phthalocyanine compounds. 4,845,209, 7-4-89, Cl. 540-132.000.

Adam, Jean-Marie, to Ciba-Geigy Corporation. Cationic azo dyes containing 2(p-aminophenyl)oxazolo [4,5-b]pyridines and similar compounds as diazo components. 4,880,916, 11-14-89, Cl. 534-606.000.

Adam, John D.: *See—*
  - Stitzer, Steven N.; Adam, John D.; and Klein, Gerald I., 4,845,439, Cl. 333-17.200.

Adam, Peter; Sedlmair, Thomas; and Podlech, Manfred, to MTU Motoren- und Turbinen-Union Munchen GmbH. Apparatus for creep endurance testing structural components. 4,812,052, 3-14-89, Cl. 374-50.000.

Adam, Peter; Nebelung, Adolf; and Vogt, Michael, to MTU Motoren- und Turbinen-Union Munchen GmbH; and Benckiser-Knapsack GmbH. Hydroxylapatite coating on metal or ceramic. 4,871,578, 10-3-89, Cl. 427-2.000.

Adam, Peter; Hoffmann, Ferdinand; and Rub, Michael, to Siemens Aktiengesellschaft. Clamping plate for the retention of self-aligning friction bearing. 4,887,916, 12-19-89, Cl. 384-192.000.

Adam, Peter; Lindner, Adolf; Schilling, Werner; and Wehner, Ewald, to Siemens Aktiengesellschaft. Device and procedure to adjust the axial play between the rotor and the stator mounted bearings of an electrical motor. 4,888,508, 12-19-89, Cl. 310-42.000.

Adam, Roger F. J. Cutterhead for water jet assisted cutting. 4,836,613, 6-6-89, Cl. 299-81.000.

Adam, Rolf: *See—*
  - Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.

Adam, Stephen F., to Lucas Weinschel, Inc. Extended range composite head power sensor with three circuit branches having a common node. 4,873,484, 10-10-89, Cl. 324-95.000.

Adam, Valer: *See—*
  - Zikmund, Miroslav; Hybl, Cestmir; Macho, Vendelin; and Adam, Valer, 4,871,519, Cl. 423-169.000.

Adam, Wilhelm: *See—*
  - Staendeke, Horst; Thummler, Ursus; and Adam, Wilhelm, 4,853,288, Cl. 428-402.240.

Adam, William D. Electrostatic charge dissipator and method of making. 4,881,642, 11-21-89, Cl. 206-328.000.

Adamache, Ion I., to Canterra Energy Ltd. Recovery of elemental sulphur from products containing contaminated elemental sulphur by froth flotation. 4,871,447, 10-3-89, Cl. 209-166.000.

Adamantech, Inc.: *See—*
  - Moore, Robert E., 4,879,062, Cl. 252-315.100.
  - Yuhas, John M.; Goodman, Robert L.; and Moore, Robert E., 4,889,525, Cl. 600-1.000.

Adamczeski, Madeline: *See—*
  - Crews, Philip; Matthews, Thomas R.; Quinoa, Emilio; and Adamczeski, Madeline, 4,831,135, Cl. 540-526.000.

Adamczyk, Rudolph A.: *See—*
  - Lalikos, James M.; and Adamczyk, Rudolph A., 4,813,716, Cl. 285-174.000.

Adamek-Hetzel, Karl. Massage belt including rotatable blocks. 4,870,955, 10-3-89, Cl. 128-58.000.

Adamek, Jan; Schaich, Karl-Heinz; and Heck, Wolfgang, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Method and manual apparatus for the semimechanical galvanizing of sheet metal surfaces. 4,879,015, 11-7-89, Cl. 204-224.00R.

Adamek, Manfred; Rinneburger, Klaus; and Schattmann, Peter, to U.S. Philips Corporation. Temperature-compensated head positioning device for magnetic disc store. 4,796,121, 1-3-89, Cl. 360-78.130.

Adamek, Stanley C., to Pheoll Manufacturing Company, Inc. Self-penetrating screw. 4,844,676, 7-4-89, Cl. 411-386.000.

Adamich, Marina; and Wos, Susan M., to Du Pont de Nemours, E. I., and Company. Assays for antibody to hepatitis B core antigen. 4,818,688, 4-4-89, Cl. 435-7.000.

Adamik, John A.: *See—*
  - Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilya; and Maydan, Dan, 4,872,947, Cl. 156-643.000.

Adamis, Panagiotis; and Beier, Alfred, to Volkswagen AG. Internal combustion engine having at least two inlet valves per combustion chamber. 4,834,048, 5-30-89, Cl. 123-432.000.

Adamowicz, Slawomir: *See—*
  - Stich, Bodo; and Adamowicz, Slawomir, 4,844,124, Cl. 137-580.000.

Adams, Allan J.: *See—*
  - Alexander, Michael P.; and Adams, Allan J., 4,819,983, Cl. 296-121.000.

Adams, Allen R., Jr.: *See—*
  - Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., 4,885,739, Cl. 370-58.100.

Adams, Anthony L., to Texas Instruments Incorporated. Method for making matrix lead frame. 4,887,352, 12-19-89, Cl. 29-827.000.

Adams, Arnold: *See—*
  - Kelderman, Herman F.; Fein, Michael E.; Loh, Alan E.; Adams, Arnold; and Neukermans, Armand P., 4,844,617, Cl. 356-372.000.

Adams, Brenda L.: *See—*
  - Clark, David E.; Dalzell, William J., Jr.; and Adams, Brenda L., 4,801,399, Cl. 252-315.010.

Adams, Brian; and Cunningham, Linda, to Gallagher Limited. Smoking rod wrapper and compositions for their production. 4,889,145, 12-26-89, Cl. 131-365.000.

Adams, Bruce; and Tornero, Marta, to MT Design. Chair with collapsible arms. 4,832,406, 5-23-89, Cl. 297-417.000.

Adams, Bruce B., to Abiomed Cardiovascular, Inc. Connector for blood handling systems. 4,826,477, 5-2-89, Cl. 604-4.000.

Adams, Carl P.; Spivey, William J., Jr.; and Oertley, Thomas E., to Caterpillar Inc. Track adjuster flow control mechanism. 4,887,872, 12-19-89, Cl. 305-10.000.

Adams, Charles, Jr.; and Cook, Jerry A., to Chemical Products Corporation. Process of sintering alkaline earth metal carbonates. 4,806,331, 2-21-89, Cl. 423-430.000.

Adams, Charles, Jr.; and Cook, Jerry A., to Chemical Products Corporation. Method of forming dense, unsintered, granular alkaline earth metal carbonates. 4,888,161, 12-19-89, Cl. 423-430.000.

Adams, Charles, Jr.; and Cook, Jerry A., to Chemical Products Corporation. Glass manufacture using dense, unsintered, granular alkaline earth metal carbonates. 4,888,308, 12-19-89, Cl. 501-11.000.

Adams, Charles A. Cylinderical apparatus for holding table skirting for wrinkle removal. 4,875,301, 10-24-89, Cl. 38-14.000.

Adams, Charles L., to PVI Industries, Inc. Compact modular fluid storage and heating system. 4,869,208, 9-26-89, Cl. 122-214.000.

Adams, Christopher J.: *See—*
  - Leslie, Ian M.; Burren, John W.; Pitura, Henry; Tennenhouse, David L.; and Adams, Christopher J., 4,805,167, Cl. 370-84.000.

Adams, Craig W.; Leary, Jeffry J.; and Rosenberg, Martin, to Smith-Kline Beckman Corporation. Polynucleotide hybridization probes. 4,840,892, 6-20-89, Cl. 435-5.000.

Adams, D. Scott; and McGuire, Irwin C., Jr., to ProScience Corporation. Diagnostic test for *Staphylococcal mastitis* in cattle. 4,849,341, 7-18-89, Cl. 435-7.000.

Adams, Daniel R.; and McKenzie, Richard E., to Merit Technology Incorporated. System and method for optimizing aircraft flight path. 4,812,990, 3-14-89, Cl. 364-444.000.

Adams, Darwin P.: *See—*
  - Molnar, Arpad; Adams, Darwin P.; Dockendorff, James; Quedens, Phillipp J.; and Dutko, Peter J., 4,869,257, Cl. 128-660.100.

Adams, David G. Split gland seal assembly. 4,858,936, 8-22-89, Cl. 277-1.000.

Adams, David G.: *See—*
  - Evanyk, Walter R.; Beber, Michael H.; Donaldson, Joel R.; Larsen, J. Orville; Adams, David G.; and Douglas, Michael W., 4,829,560, Cl. 379-106.000.
  - Fiske, Roger I.; King, John J.; and Adams, David G., 4,827,692, Cl. 53-244.000.

Adams, David R. Combination suitcase-garment bag. 4,817,791, 4-4-89, Cl. 206-287.100.

Adams, David R.; Philby, Johnathan D.; Pope, Alan D.; Spence, David F.; and Eastham, David R., to AE PLC. Method for etching piston rings. 4,830,719, 5-16-89, Cl. 204-129.460.

Adams, David W.; Ching, Larry K. W., Jr.; and Puester, Neil, to Gates Energy Products, Inc. Battery terminal and method. 4,859,547, 8-22-89, Cl. 429-121.000.

Adams, David W. Lotion applicator apparatus with timer. 4,861,180, 8-29-89, Cl. 401-195.000.

Adams, Don L.: *See—*
  - Novis, Ari M.; Wright, Stuart C.; and Adams, Don L., 4,816,726, Cl. 318-293.000.
  - Novis, Ari M.; Adams, Don L.; LaMontagne, Troy J.; and Sivahop, Albert, 4,885,514, Cl. 318-580.000.

Adams, Donald L. Modular differential pressure transmitter/manifold for a fluid conveying pipeline. 4,865,360, 9-12-89, Cl. 285-158.000.

Adams, Donald T.: *See—*
  - Duncan, Howard C., IV; Adams, Donald T.; and Gray, R. William, 4,807,181, Cl. 364-900.000.

Adams, Douglas W.: *See—*
  - DeVale, Donald P.; Adams, Douglas W.; and Van Naarden, Robert W., 4,807,887, Cl. 273-372.000.

Adams, Dudley D., to ADCO Enterprises Inc. Display rack. 4,846,354, 7-11-89, Cl. 211-41.000.

Adams, Edward L.: *See—*
  - Maki, Melvin C.; Feller, Walter J.; and Adams, Edward L., 4,887,069, Cl. 340-552.000.

Adams, Edward U.: *See—*
  - Lowry, Robert K.; and Adams, Edward U., 4,859,280, Cl. 156-662.000.

Adams Elevator Equipment Company: *See—*
  - Martin, Adolf H., 4,822,963, Cl. 200-296.000.
  - Martin, Adolf H., 4,847,458, Cl. 200-561.000.

Adams, Eric M. Instrument producing electrical signals in response to acceleration forces. 4,821,423, 4-18-89, Cl. 33-366.000.

Adams, Ernest C.: *See—*
  - Kennedy, Paul R.; Adams, Ernest C., and Woenker, William E., 4,839,296, Cl. 436-170.000.

Adams, Frederick J., to TRW Cam Gears Limited. Power assistance means for a steering gear and a steering gear assembly which includes such means. 4,838,106, 6-13-89, Cl. 74-388.0PS.

Adams, Frederick J., to TRW Cam Gears Limited. Power assisted vehicle steering mechanism. 4,856,608, 8-15-89, Cl. 180-148.000.

Adams, Frederick J., to TRW Cam Gears Limited. Power assistance vehicle steering mechanisms. 4,865,150, 9-12-89, Cl. 180-148.000.

Adams, George W.; Smock, Steven W.; and Helft, Ross G., to Emhart Industries, Inc. Appliance timer. 4,841,496, 6-20-89, Cl. 368-107.000.

Adams, Gerald A. Fishing lure. 4,888,909, 12-26-89, Cl. 43-42.160.

Adams, Glen D.: *See—*
  - Cafarelli, Nicholas J.; and Adams, Glen D., 4,811,022, Cl. 342-407.000.

Adams, Glenn N.; and Beekenkamp, Gerald, to Canadian Patents and Development Limited/Societe Canadienne des Brevets et d'Exploitation Limitee. Microwave apparatus for thawing frozen liquid and a bag holder assembly for use therein. 4,855,555, 8-8-89, Cl. 219-10.55F.

Adams, Glenn R.: *See—*
  - Wallace, Graeme B.; and Adams, Glenn R., 4,884,411, Cl. 62-91.000.

Adams, Gordon L.: *See—*
  - Ross, Murray A.; Adams, Gordon L.; and Sully, Michael A., 4,852,659, Cl. 172-789.000.

Adams, Gregory E.: *See—*
  - Henderson, Jeff R.; Jablonski, Michael; and Adams, Gregory E., 4,844,614, Cl. 356-346.000.

Adams, James A. Patient transfer apparatus. 4,829,612, 5-16-89, Cl. 5-81.00R.

Adams, James P., to Adelco, Inc. Pickup truck bed cover system. 4,795,206, 1-3-89, Cl. 296-98.000.

Adams, Janet. Disposable neck pad for wash basins and the like. 4,864,667, 9-12-89, Cl. 4-519.000.

Adams, Jeffrey S.: *See—*
  - Elson, Donald E.; Gerke, Burton E., Jr.; Bitzel, Michael E.; Wilder, Bruce A.; Rodowsky, Stanley J., Jr.; Lessig, William R., III; Adams, Jeffrey S.; and Hagan, Todd A., 4,841,594, Cl. 15-344.000.

Adams, Jerry F.; Borton, Michael D.; Hubble, Fred F., III; Martin, James P.; Shoemaker, Ralph A.; Werner, Alan J.; and MacDonald, Virginia N., to Xerox Corporation. Automatic exposure control system for flash exposure photocopiers. 4,831,410, 5-16-89, Cl. 355-208.000.

Adams, Jerry G.; Gibson, Robert P.; and Mueller, Denis A., to Westinghouse Electric Corp. Personal computer-based dynamic burn-in system. 4,866,714, 9-12-89, Cl. 371-22.100.

Adams, Jerryl, to Bell & Howell Company. Insertion machine with postage categorization. 4,809,187, 2-28-89, Cl. 364-464.030.

Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, to IRT Corporation. Method and apparatus for performing automated circuit board solder quality inspections. 4,809,308, 2-28-89, Cl. 378-99.000.

Adams, John H. Hose storing and dispensing rack. 4,836,479, 6-6-89, Cl. 248-89.000.

Adams, John L., to British Telecommunications Public Limited Company. Communications network. 4,817,088, 3-28-89, Cl. 370-88.000.

Adams, Joseph B.; Gaspar, James A.; and Stash, Paul J., to Air Products and Chemicals, Inc. Control of nitric acid plant stack opacity during start-up and shutdown. 4,869,890, 9-26-89, Cl. 423-392.000.

Adams, Julian; and Guindon, Yvan, to Merck Frosst Canada, Inc. 4,7-diacetoxy-2-(4-methoxybenzyl)-3,5,6-trimethylbenzofuran. 4,800,228, 1-24-89, Cl. 549-470.000.

Adams, Jurgen; and Lemke, Manfred, to Mannesmann Kienzle GmbH. Appliance for transmission and storage of energy and information in a card-shaped data carrier. 4,835,373, 5-30-89, Cl. 235-451.000.

Adams, Jurgen, to Mannesmann Kienzle GmbH. Combined taximeter and cassette or disk player. 4,860,124, 8-22-89, Cl. 360-6.000.

Adams, Kenneth D., to SSMC Inc. Stepper driven stitch patterning mechanism for sewing machines using spiral cam groove and follower. 4,873,932, 10-17-89, Cl. 112-443.000.

Adams, Kevin T. Tilt-bed trailer. 4,872,728, 10-10-89, Cl. 298-5.000.

Adams, L. Jane: *See—*
  - Weaver, Max A.; and Adams, L. Jane, 4,804,719, Cl. 525-420.000.

Adams, Lawrence J.; Fruda, Thomas R.; and Hughett, Paul D., to Petro Chemical Corporation. Apparatus for cleaning fuel injectors and combustion chambers. 4,807,578, 2-28-89, Cl. 123-198.00A.

Adams, Leonard G.: *See—*
  - Ellison, Larry J.; and Smelcer, John R., 4,873,779, Cl. 42-101.000.

Adams, Lloyd M. Internal combustion engine without connecting rods. 4,813,386, 3-21-89, Cl. 123-53.00A.

Adams, Lloyd M. Internal combustion engine without connecting rods. 4,827,896, 5-9-89, Cl. 123-53.00A.

Adams, Lowell J.; Simshauser, Steven C.; Pisarski, Nathan; and Weisend, Norbert A., Jr., to B. F. Goodrich Company, The. Electro-repulsive separation system for deicing. 4,875,644, 10-24-89, Cl. 244-134.00R.

Adams Mfg.: *See—*
  - Adams, William E., 4,848,713, Cl. 248-206.200.
  - Adams, William E., 4,863,129, Cl. 248-206.200.

Adams, Mark H., III. Sleeping bag and an air mattress. 4,862,533, 9-5-89, Cl. 5-413.000.

Adams, Mark J.; Crisman, Elton M., Jr.; and Khan, Asrar A., to Lockheed Corporation. Apparatus and system for thermographic identification of parts. 4,795,906, 1-3-89, Cl. 250-341.000.

Adams, Mark J.; and Crisman, Elton M., Jr., to Lockheed Corporation. Method of and apparatus for thermographic evaluation of spot welds. 4,854,724, 8-8-89, Cl. 374-5.000.

Adams, Marshal; and Lechner, Jerry M., to Caterpillar Inc. Method of producing a crown for an articulated piston. 4,847,964, 7-18-89, Cl. 29-156.50R.

Adams, Michael: *See—*
  - Oakes, Martin C.; Scully, Graham D.; and Adams, Michael, 4,827,088, Cl. 200-18.000.

Adams, Michael A.: *See—*
  - Mason, James R.; and Adams, Michael A., 4,888,173, Cl. 424-195.100.

Adams, Michael J.; and Edmondson, Brian, to Lever Brothers Company. Apparatus for stamping a detergent bar. 4,822,273, 4-18-89, Cl. 425-385.000.

Adams, Michael J., to British Telecommunications Public Limited Company. Optical switch. 4,873,690, 10-10-89, Cl. 372-8.000.

Adams, Michael J.: *See—*
  - Broughton, M. Blythe; and Adams, Michael J., 4,814,967, Cl. 363-160.000.

Adams, Michael W. Office machine security system. 4,856,305, 8-15-89, Cl. 70-58.000.

Adams, Paul E.; and Kinzer, Darryl W., to Lubrizol Corporation, The. Process for manufacturing amides. 4,876,374, 10-24-89, Cl. 558-109.000.

Adams, Peter F.: *See—*
  - Cole, Nigel G.; and Adams, Peter F., 4,859,951, Cl. 324-534.000.

Adams, Phillip: *See—*
  - Dudzinski, Zdzislaw; and Adams, Phillip, 4,795,834, Cl. 564-479.000.

Adams, Raymond R. Method for manufacturing concrete blocks and constructing fence. 4,821,483, 4-18-89, Cl. 52-747.000.

Adams, Richard H.; Gross, Alan E.; Jelatis, Demetrius G.; Jennrich, Carleton E.; and Marohl, Rudolph O., to Sargent Industries, Inc. System for the performance of activity in space. 4,831,531, 5-16-89, Cl. 364-424.010.

Adams, Richard P.; Holland, Richard J.; and Bodak-Cumming, Patricia A., to Colgate-Palmolive Company. Fabric softening detersive article. 4,818,422, 4-4-89, Cl. 252-8.800.

Adams, Richard W.; and Wei, Wen-Cheng J., to Ceramics Process Systems Corporation. Refractory ceramics for contact with molten metal. 4,888,313, 12-19-89, Cl. 501-103.000.

Adams, Richard W.: *See—*
  - Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., 4,828,037, Cl. 166-382.000.
  - Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., 4,862,966, Cl. 166-382.000.
  - Lindsey, Hiram E.; and Adams, Richard W., 4,880,058, Cl. 166-289.000.

Adams Rite Manufacturing Company: *See—*
  - Choi, Mansam, 4,838,587, Cl. 292-216.000.
  - Choi, Mansam, 4,865,367, Cl. 292-92.000.
  - Nail, Billie G., 4,858,386, Cl. 49-505.000.
  - Smith, Gregg L.; and Choi, Mansam, 4,824,150, Cl. 292-92.000.
  - Tesone, Jeffrey M., 4,848,118, Cl. 70-419.000.

Adams, Robert; and Cousin, Andrew J. Assembly for connecting multi-duct conduits. 4,834,825, 5-30-89, Cl. 156-294.000.

Adams, Roger W.; Falcon-Steward, Hugh R.; and Pearce, David A., to E.C.C. International Limited. Comminution of material. 4,852,811, 8-1-89, Cl. 241-1.000.

Adams, Samuel F.; and Bolz, Hans-Peter, to Sonoco Products Company. Yarn carrier tube with universal yarn catching means. 4,828,200, 5-9-89, Cl. 242-118.300.

Adams, Samuel F.; and Bolz, Hans-Peter, to Sonoco Products Company. Yarn tube with identification means and winding method utilizing such tube. 4,852,823, 8-1-89, Cl. 242-125.100.

Adams, Samuel F.; and Bolz, Hans-Peter, to Sonoco Products Company. Yarn carrier with interchangeable identifying ring. 4,889,294, 12-26-89, Cl. 242-118.300.

Adams, Stephen R.: *See—*
  - Tsien, Roger Yonchien; and Adams, Stephen R., 4,806,604, Cl. 549-439.000.

Adams, Steven L.: *See—*
Archibald, James B.; and Adams, Steven L., 4,854,034, Cl. 29-596.000.

Adams, Steven P.; Feigen, Larry P.; and Miyano, Masateru, to Monsanto Company; and G. D. Searle & Co. Novel platelet-aggregation inhibitor peptide derivatives. 4,857,508, 8-15-89, Cl. 514-18.000.

Adams, Steven P.: *See—*
Tjoeng, Foe S.; and Adams, Steven P., 4,879,313, Cl. 514-616.000.

Adams, Tello. Piezoelectric load measurement apparatus and circuits. 4,801,837, 1-31-89, Cl. 310-316.000.

Adams, Theodore C.: *See—*
Rzeszotarski, Waclaw J.; Guzewska, Maria E.; Carter, John P.; Adams, Theodore C.; Dupont, Andrea C.; and Kaiser, Carl, 4,877,779, Cl. 514-63.000.

Adams, Theodore J.; and Crowell, Burton W. Fishing boat back rest and post mount. 4,803,945, 2-14-89, Cl. 114-363.000.

Adams, Timothy G.; and Sinta, Roger F., to Polaroid Corporation. Liquid crystal mixtures having widened smectic temperature range. 4,857,227, 8-15-89, Cl. 252-299.650.

Adams, Timothy J. Radio and cooler. 4,817,191, 3-28-89, Cl. 455-351.000.

Adams, U.S.A., Inc.: *See—*
Orsatti, Louis A., 4,881,735, Cl. 273-25.000.

Adams, Victor J., to Motorola, Inc. Method for forming a cast membrane protected pressure sensor. 4,842,685, 6-27-89, Cl. 156-308.200.

Adams, W. Thad, III. Machine for cutting off or planing off road surfaces. 4,826,352, 5-2-89, Cl. 404-90.000.

Adams, Warren K., to Doron Precision Systems, Inc. Motor vehicle simulator with multiple images. 4,846,686, 7-11-89, Cl. 434-69.000.

Adams, Wilbur R., to Simulators Limited, Inc. Prefabricated pavement devices. 4,813,811, 3-21-89, Cl. 404-15.000.

Adams, William E., to Adams Mfg. Apparatus for holding articles. 4,848,713, 7-18-89, Cl. 248-206.200.

Adams, William E., to Adams Mfg. Suction cup having an integral fastening device. 4,863,129, 9-5-89, Cl. 248-206.200.

Adams, William R.: *See—*
Van Driesen, Roger P.; Adams, William R.; Baldasarri, Mario; Caspers, John; and Trimble, Harold, 4,875,995, Cl. 208-152.000.

Adams, William S., Jr.: *See—*
Newman, Harold L.; Adams, William S., Jr.; and Boyden, Brace, 4,874,521, Cl. 210-639.000.

Adams, William T., Jr., to American Cast Iron Pipe Company. Method of producing weld metal tubing employing a reusable mandrel. 4,830,266, 5-16-89, Cl. 228-231.000.

Adams, William V.; Avard, Duane A.; and Waling, Leroy A., to Durametallic Corporation. Magnetic seal assembly. 4,795,168, 1-3-89, Cl. 277-80.000.

Adams, Wilmer L.; Kidder, Kenneth B.; and Landis, William R., to Honeywell Inc. Microcomputer fuel burner control having safety interlock means. 4,835,670, 5-30-89, Cl. 364-184.000.

Adamski, Donald F.; Frison, Emmett C.; and Matthewson, Randall W., to Brudi Equipment, Inc. Universal fork-supported push-pull slip sheet handling attachment for forklift trucks. 4,828,450, 5-9-89, Cl. 414-607.000.

Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, to Union Special Corporation. Hemmer seamer assembly. 4,800,830, 1-31-89, Cl. 112-303.000.

Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, to Union Special Corporation. Hemmer seamer assembly. 4,858,546, 8-22-89, Cl. 112-286.000.

Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, to Union Special Corporation. Hemmer seamer assembly. 4,878,445, 11-7-89, Cl. 112-311.000.

Adamski, Maximilian, Jr., to Union Special Corporation. Latch tacker. 4,796,552, 1-10-89, Cl. 112-285.000.

Adamski, Maximilian, Jr., to Union Special Corporation. Latch tacker. 4,825,785, 5-2-89, Cl. 112-162.000.

Adamski, Maximilian, Jr.: *See—*
Kosrow, Robert L.; Prochut, Richard; and Adamski, Maximilian, Jr., 4,819,926, Cl. 270-45.000.

Adamson, Arthur P., to General Electric Company. Turbofan engine having a split cowl. 4,825,648, 5-2-89, Cl. 60-226.100.

Adamson, Arthur P.; and Gliebe, Philip R., to General Electric Company. Aircraft propeller noise reduction. 4,883,240, 11-28-89, Cl. 244-69.000.

Adamson, Fletcher D., to Russell Corporation. Method and apparatus for sensing the preferred side of garment portions. 4,799,613, 1-24-89, Cl. 223-39.000.

Adamson, Lee F., to Specialty Equipment Companies, Inc. Cooking apparatus. 4,878,424, 11-7-89, Cl. 99-349.000.

Adamson, Thomas. Drill head. 4,802,798, 2-7-89, Cl. 408-112.000.

Adana Limited: *See—*
Turner, Arthur, 4,811,688, Cl. 118-674.000.

Adaniya, George: *See—*
Epstein, Paul; Petschek, Harry; LaWhite, Eric, Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,828,545, Cl. 604-66.000.
Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,865,584, Cl. 604-67.000.

Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, to Nippon Kokan Kabushiki Kaisha; and Kansai Paint Company Limited. Highly corrosion-resistant surface-treated steel plate. 4,889,775, 12-26-89, Cl. 428-62.00B.

Adaniya, Takeshi: *See—*
Abe, Masaki; Shiohara, Yukimitsu; Adaniya, Takeshi; and Naemura, Hiroshi, 4,839,241, Cl. 428-659.000.

Adaptive Concepts, Ltd.: *See—*
Thayer, Dale F.; Dickherber, Robert L.; and Huizenga, David L., 4,832,522, Cl. 403-19.000.

Adaptive Networks, Inc.: *See—*
Propp, Michael B.; and Propp, David L., 4,815,106, Cl. 375-36.000.

Adaptive Video, Inc.: *See—*
Gray, Michael J.; and Franco, Michael J., 4,872,054, Cl. 358-140.000.

Adata Software Limited: *See—*
Nixon, Rodger J.; Roselli, Peter J. C.; Armstrong, David I.; Lindley, Martin K.; and de la Bere, Imogen E., 4,841,441, Cl. 364-401.000.

Adaway, David; and O'Connell, John. Folding ramp. 4,864,673, 9-12-89, Cl. 14-71.100.

ADC Telecommunications, Inc: *See—*
Pfeffer, George B.; and Johnson, Wayne A., 4,870,753, Cl. 29-884.000.

ADC Telecommunications, Inc.: *See—*
Burroughs, Dennis M.; and Cruise, Thomas W., 4,840,568, Cl. 439-49.000.

ADCO Enterprises Inc.: *See—*
Adams, Dudley D., 4,846,354, Cl 211-41.000.

Adcock, James L., to University of Tennessee Research Corporation, The. High efficiency apparatus for aerosol direct fluorination. 4,855,112, 8-8-89, Cl. 422-186.230.

Adcock, Jimmy L., to M. L. Eakes Co. Leakproof endless belt conveyor. 4,819,790, 4-11-89, Cl. 198-811.000.

Adcock, John J.; Allan, Geoffrey; and Smith, Terence W., to Burroughs Wellcome Co. Pharmacologically active compounds and use. 4,837,203, 6-6-89, Cl. 514-17.000.

Adcock, John J.: *See—*
Allan, Geoffrey; Adcock, John J.; and Smith, Terence W., 4,833,126, Cl. 514-18.000.

Adcock, Robert E.: *See—*
Lewis, William H.; and Adcock, Robert E., 4,808,005, Cl. 366-312.000.

Addadi, Lia: *See—*
Zbaida, David; Shavit, Edna; Addadi, Lia; Lahav, Meir; and Weissbuch, Isabelle, 4,864,031, Cl. 548-344.000.

Addicks, Lyle F. Earthquake illuminating device. 4,841,288, 6-20-89, Cl. 340-690.000.

Addie, Graeme R.; and Visintainer, Robert J., to GIW Industries, Inc. Slurry pump having increased efficiency and wear characteristics. 4,872,809, 10-10-89, Cl. 415-206.000.

Addiego, Joseph, to Nabisco Brands, Inc. Openable and reclosable tamper evident bag tag. 4,818,120, 4-4-89, Cl. 383-5.000.

Addink, Jaap H.; Beelen, Christiaan M. J. M.; Steen, Adam; Verhoog, Hendrik M.; and De Boer, Jurrie, to Hoogovens Groep B.V. Method for the manufacture of refractory bricks containing CaO. 4,795,725, 1-3-89, Cl. 501-101.000.

Addison, Steve: *See—*
Mobley, Joseph G.; Kozushin, Anatoly; Baher, Saeed; Addison, Steve; Paulk, Howard; and Farmer, James, 4,888,799, Cl. 380-6.000.

Addor, Roger W.; Kuhn, David G.; and Wright, Donald P., Jr., to American Cyanamid Company. Insecticidal substituted and unsubstituted benzoic acid 1-alkyl, 2 alkyl and 2-cycloalkylhydrazides. 4,814,349, 3-21-89, Cl. 514-522.000.

Addy, Donald E.; and Saper, Byron M., to Jason Empire, Inc. Fixed focus binoculars. 4,848,887, 7-18-89, Cl. 350-550.000.

ADE Corporation: *See—*
Abbe, Robert C.; Judell, Neil H.; and Poduje, Noel S., 4,849,916, Cl. 364-563.000.
Abbe, Robert C.; Poduje, Noel S.; and Judell, Neil H., 4,860,229, Cl. 364-563.000.

Ade, Reiner: *See—*
Lohr, Herbert; Stein, Bernd; Becker, Helmut; Ade, Reiner; and Baur, Walter, 4,885,900, Cl. 53-551.000.

Adejare, Adeboye: *See—*
Miller, Duane D.; Feller, Dennis R.; Clark, Michael T.; Adejare, Adeboye; Romstedt, Karl J.; and Shams, Gamal, 4,855,476, Cl. 558-410.000.

Adeka Argus Chemical Co., Ltd.: *See—*
Akutsu, Mitsuo; and Tabata, Keiji, 4,889,672, Cl. 264-63.000.
Haruna, Tohru; Nishikawa, Kazunori; and Hamajima, Mitsuhiro, 4,885,326, Cl. 524-291.000.
Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.
Minagawa, Motonobu; Nakahara, Yutaka; Hirai, Bunji; and Sugibuchi, Kazuo, 4,798,836, Cl. 524-89.000.
Minagawa, Motonobu; Nakahara, Yutaka; Shibata, Toshihiro; and Tobita, Etsuo, 4,885,323, Cl. 524-95.000.
Nakahara, Yutaka; Nishimura, Atsushi; and Nakajima, Toshio, 4,812,498, Cl. 524-91.000.
Shibata, Toshihiro; and Kurosawa, Norio, 4,804,759, Cl. 544-335.000.
Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, 4,831,143, Cl. 544-335.000.
Shibata, Toshihiro; and Kurosawa, Norio, 4,844,836, Cl. 252-299.660.
Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, 4,866,199, Cl. 560-65.000.

Tajima, Kenji; Nishina, Takao; and Nishikawa, Kazunori, 4,822,522, Cl. 252-400.240.
Tajima, Kenji; Tsuboi, Tetsuo; and Arata, Ryozo, 4,888,371, Cl. 524-120.000.

Adelberg, Arthur: *See—*
Friedland, Jeffrey B.; Adelberg, Arthur; and Dutch, Barry M., 4,828,113, Cl. 206-570.000.

Adelberger, Donald L.: *See—*
Placke, Dale L.; Shawen, Harley J.; Howett, Harry L.; and Adelberger, Donald L., 4,850,657, Cl. 312-213.000.

Adelco, Inc.: *See—*
Adams, James P., 4,795,206, Cl. 296-98.000.

Adell, Robert, to U.S. Product Development Company. Non-metallic edge guard attachment to a door. 4,796,386, 1-10-89, Cl. 49-462.000.

Adell, Robert, to U.S. Product Development Company. End cap for door edge guard. 4,803,810, 2-14-89, Cl. 49-462.000.

Adell, Robert. Decorative clear plastic edge guard. 4,817,335, 4-4-89, Cl. 49-462.000.

Adell, Robert, to U.S. Product Development Company. Molding for automobile body panels, such as doors. 4,838,004, 6-13-89, Cl. 52-718.100.

Adell, Robert. Electric toy train track. 4,841,104, 6-20-89, Cl. 191-29.00R.

Adell, Robert. Non-metallic door edge guard having clearance to adjacent body structure. 4,852,301, 8-1-89, Cl. 49-462.000.

Adelman, Herbert B., to Crowell Corporation, The. Protective cushioning. 4,823,945, 4-25-89, Cl. 206-204.000.

Adelman, Stuart. Superalloy compositions and articles. 4,859,416, 8-22-89, Cl. 420-443.000.

Adelman, William P.: *See—*
Brittain, John C.; Jenkins, Cecil; Adelman, William P.; and Woolslayer, Joseph R., 4,834,604, Cl. 414-22.550.

Adelson, Alexander M.: *See—*
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,806,742, Cl. 235-472.000.
Swartz Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,816,660, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,825,057, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,835,374, Cl. 235-472.000.

Adelson, Edward H.; and Simoncelli, Eero P. M., to General Electric Company. Truncated subband coding of images. 4,817,182, 3-28-89, Cl. 382-56.000.

Adema, Cornelis L.: *See—*
Haisma, Jan; Adema, Cornelis L.; Alting, Cornelis L.; and Brehm, Rudolf, 4,810,318, Cl. 156-153.000.

Aden, James S.; and Kahn, Jeffrey A., to Hewlett-Packard Company. Thin film device for an ink jet printhead and process for the manufacturing same. 4,809,428, 3-7-89, Cl. 29-611.000.

Adenau, Marvin L., to Thomas A. Schutz Co., Inc. Dispensing device with sensory alert. 4,887,737, 12-19-89, Cl. 221-3.000.

Adept Technology, Inc.: *See—*
Allan, Donald R.; and Shimano, Bruce E., 4,795,306, Cl. 414-744.800.
Roth, Scott D., 4,876,728, Cl. 382-21.000.
Shimano, Bruce E.; Geschke, Clifford C.; and Scarborough, David W., 4,835,730, Cl. 364-513.000.

Ader, Milton; Glod, Edward F.; and Fochtman, Edward G., to Chemical Waste Management, Inc. Stabilization of mercury-containing waste. 4,844,815, 7-4-89, Cl. 210-751.000.

Ader, Milton: *See—*
Fochtman, Edward G.; Daley, Peter S.; Ader, Milton; Plys, Albert G.; and Swanstrom, Carl P., 4,864,942, Cl. 110-226.000.

Aderans Co., Ltd.: *See—*
Kobayashi, Hisao; and Mochizuki, Kousuke, 4,799,502, Cl. 132-53.000.
Kobayashi, Hisao; and Mochizuki, Kosuke, 4,817,641, Cl. 132-201.000.

Aderhold Jr., James L.: *See—*
Fahrig, Robert J.; Fitzharris, William D.; and Aderhold Jr., James L., 4,871,699, Cl. 502-34.000.

Adflex Corporation: *See—*
Andolora, Joseph A., 4,825,558, Cl. 33-521.000.

Adger Kogyo Co., Ltd.: *See—*
Iijima, Zenshiro, 4,840,833, Cl. 428-207.000.

Adhesive Coatings Co.: *See—*
Cummings, Lowell O., 4,812,493, Cl. 523-412.000.

Adhesive Paper Products Limited: *See—*
Termanis, Peter, 4,863,191, Cl. 281-29.000.

Adhikary, Parimal K. Use of substituted 5H-pyrido- and 5H-thiazolo(2',1':2,3)imidazo (4,5-b)indoles as cholinomimetic agents. 4,863,930, 9-5-89, Cl. 514-287.000.

ADI Diagnostics Inc.: *See—*
Fuller, Steven A.; and Hurrell, John G. R., 4,842,999, Cl. 435-7.000.
Heelies, Donald R., 4,883,760, Cl. 435-296.000.

Adi, Tammam, to Management Information Technologies, Inc. Method and apparatus to identify the relation of meaning between words in text expressions. 4,849,898, 7-18-89, Cl. 364-419.000

Adiabatics, Inc.: *See—*
Kamo, Roy; Woods, Melvin E.; and Bryzik, W., 4,852,542, Cl. 123-668.000.

Adiletta, Joseph G., to Pall Corporation. Chemically resistant composite structures and garments produced therefrom. 4,865,903, 9-12-89, Cl. 428-215.000.

Adiletta, Joseph G., to Pall Corporation. Antiwicking compositions and fabrics treated therewith. 4,868,042, 9-19-89, Cl. 428-290.000.

Adiletta, Matthew J.; and Lamere, Virginia C., to Digital Equipment Corporation. BCD adder circuit. 4,805,131, 2-14-89, Cl. 364-783.000.

Adin, Anthony: *See—*
Parton, Richard L.; Gingello, Anthony D.; Collett, David J.; Stegman, David A.; and Adin, Anthony, 4,871,656, Cl. 430-522.000.
Proehl, Gary S.; Gingello, Anthony D.; Collett, David J.; Parton, Richard L.; Stegman, David A.; and Adin, Anthony, 4,876,181, Cl. 430-522.000.

Adini, Ari. Method of attaching supporting element to structure, and supporting element therefor. 4,813,804, 3-21-89, Cl. 403-12.000.

Adini, Ari. Device for and method of measuring tensile force in reinforcing member of reinforced concrete. 4,823,610, 4-25-89, Cl. 73-828.000.

Adini, Ari. Method, device and ammunition for dispersing rioters. 4,833,961, 5-30-89, Cl. 89-1.100.

ADIR Et Cie: *See—*
Lavielle, Gilbert; and Poignant, Jean C., 4,820,707, Cl. 514-252.000.
Lavielle, Gilbert; and Lepagnol, Jean, 4,859,700, Cl. 514-470.000.
Lavielle, Gilbert; and Poignant, Jean C., 4,877,788, Cl. 514-252.000.
Lavielle, Gilbert; and Lepagnol, Jean, 4,885,299, Cl. 514-253.000.
Lavielle, Gilbert; and Lepagnol, Jean, 4,886,799, Cl. 514-233.500.
Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, 4,851,429, Cl. 514-444.000.
Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, 4,863,951, Cl. 514-422.000.
Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, 4,874,878, Cl. 549-462.000.
Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, 4,885,373, Cl. 549-458.000.
Peglion, Jean-Louis; Gargouil, Yves-Michel; and Vilaine, Jean-Paul, 4,870,091, Cl. 514-356.000.

ADIR et Compagnie: *See—*
Lavielle, Gilbert; and Lepagnol, Jean, 4,812,469, Cl. 514-466.000.
Regnier, Gilbert; Guillonneau, Claude; Duhault, Jacques; and Lonchampt, Michel, 4,824,836, Cl. 514-278.000.

Adise, Herbert H. Card game playing aid. 4,886,272, 12-12-89, Cl. 273-148.00R.

Adjei, Akwete L.; Johnson, Edwin S.; and Kesterson, James W., to Abbott Laboratories. LHRH analog formulations. 4,851,211, 7-25-89, Cl. 424-40.000.

Adjustable Fixture Co.: *See—*
Schumaker, Eugene J.; and Klug, Christopher J., 4,797,798, Cl. 362-413.000.

Adkins, Adrian S.; and Englund, Diane J., to Clorox Company, The. Waterborne penetrating coating composition and method. 4,814,016, 3-21-89, Cl. 106-250.000.

Adkins, Delbert L.: *See—*
Clark, Clifford D.; and Adkins, Delbert L., 4,807,502, Cl. 82-53.100.

Adkins, Donald E. Preset microscopic flow valve apparatus and method. 4,858,636, 8-22-89, Cl. 137-8.000.

Adkins, Gordon V.; McDonald, John R.; and Sivertsen, Olav N., to Skywardens Limited. Aircraft with paired aerofoils. 4,856,736, 8-15-89, Cl. 244-45.00R.

Adkins, James R., to Wacker Silicones Corporation. Organopolysiloxane elastomers having improved electrical properties and insulators coated therewith. 4,822,830, 4-18-89, Cl. 523-203.000.

Adkins, John. Gun safe with ejectable drawer. 4,800,822, 1-31-89, Cl. 109-19.000.

Adkins, Keith W. Ski lift foot rest. 4,844,547, 7-4-89, Cl. 297-437.000.

Adkins, Kelvin P., to Imperial Chemical Industries plc. Electroconductive coating composition. 4,879,064, 11-7-89, Cl. 252-500.000.

Adkins, Richard C., to British Aerospace Public Limited Company. Boundary layer control in supersonic nozzle. 4,881,875, 11-21-89, Cl. 417-54.000.

Adkins, Ricky L.: *See—*
Hettinger, William P., Jr.; Murray, Steven W.; Adkins, Ricky L.; Fritz, Billy T.; Riggs, James R.; and Walters, Paul W., 4,869,880, Cl. 422-147.000.

Adkins, Robert A.: *See—*
Calfee, Richard V.; Adkins, Robert A.; Alt, Eckhard U.; and Baker, Ross G., Jr., 4,803,987, Cl. 128-419.0PG.

Adkison, Gene Patrick: *See—*
McAlister, Steve R., 4,851,809, Cl. 340-442.000.

Adl, Ali, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. High and low pressure fluidblock assembly. 4,834,479, 5-30-89, Cl. 350-96.200.

Adlam, Arthur H.: *See—*
Scully, Andrew J.; and Adlam, Arthur H., 4,841,838, Cl. 89-36.080.

Adleff, Kurt, to J. M. Voith GmbH. Actuating device for a disk brake. 4,821,846, 4-18-89, Cl. 188-72.600.

Adler, Alan: *See—*
Gordon, Bruce S.; and Adler, Alan, 4,885,114, Cl. 252-589.000.

Adler, Alfons: *See—*
Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, 4,839,359, Cl. 514-241.000.
Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, 4,876,253, Cl. 514-241.000.
Kule, Engelbert; and Adler, Alfons, 4,874,874, Cl. 548-544.000.

Adler, Dan. Device for injecting fertilizer or other chemicals into a pipeline. 4,859,157, 8-22-89, Cl. 417-348.000.
Adler, David W.; Kirtland, David A.; and Manka, Ronald S., to International Business Machines Corporation. Computer terminal system with memory shared between remote devices. 4,811,284, 3-7-89, Cl. 364-900.000.
Adler, Edward A.: *See*—
Longo, Robert T.; and Adler, Edward A., 4,833,921, Cl. 73-753.000.
Adler, Felix P.: *See*—
Sian, Sucha S.; Marcus, Paul H.; and Adler, Felix P., 4,826,452, Cl. 439-595.000.
Adler, Horst F., to Saab-Scania Aktiebolag. Synchronizing mechanism for a gearbox. 4,807,733, 2-28-89, Cl. 192-53.00F.
Adler, Horst F., to Saab-Scania Aktiebolag. Auxiliary gearbox for motor vehicles. 4,821,591, 4-18-89, Cl. 74-339.000.
Adler, Josef H., to Nesher Industries, Inc. Concealable enclosure table. 4,794,868, 1-3-89, Cl. 108-33.000.
Adler, Klaus: *See*—
Schulze, Joachim; Adler, Klaus; Selig, Manfred; Ball, Peter; Marquardt, Klaus; Killermann, Otmar; and Hannebaum, Manfred, 4,859,751, Cl. 526-200.000.
Adler, Lee J. Apparatus for supplying heated air to an air system. 4,848,315, 7-18-89, Cl. 126-116.00R.
Adler, Michael S., to General Electric Company. High voltage integrated circuit devices electrically isolated from an integrated circuit substrate. 4,868,921, 9-19-89, Cl. 357-43.000.
Adler, Michael S.: *See*—
Kohl, James E.; Wildi, Eric J.; Scott, Robert S.; Pattanaya, Deva N.; and Adler, Michael S., 4,868,620, Cl. 357-23.120.
Adler, Richard S.; and Morris, Paul F., to Adler, Richard S. Lock adjustable to operate with different keys. 4,850,210, 7-25-89, Cl. 70-383.000.
Adler, Robert; and Desmares, Peter C. J., to Zenith Electronics Corporation. Arrangement for use with a touch control system having a spherically curved touch surface. 4,825,212, 4-25-89, Cl. 340-706.000.
Adler, Robert; and Desmares, Peter C. J., to Zenith Electronics Corporation. Mask vibration damping in cathode ray tubes. 4,827,179, 5-2-89, Cl. 313-402.000.
Adler, Robert; Fogelson, Mark; and Kaplan, Sam, to Zenith Electronics Corporation. Touch control arrangement for graphics display apparatus. 4,859,996, 8-22-89, Cl. 340-712.000.
Adler, Robert; Fogelson, Mark; and Kaplan, Sam, to Zenith Electronics Corporation. Touch control arrangement for graphics display apparatus having saw reflectors of frit composition. 4,880,665, 11-14-89, Cl. 427-126.300.
Adler, Roberta S. Musical instrument pick for simultaneous two person use. 4,794,839, 1-3-89, Cl. 84-322.000.
Adler, Rolf;; Heubeck, Erich; and Muether, Manfred, to Siemens Aktiengesellschaft. Dental x-ray installation. 4,870,673, 9-26-89, Cl. 378-148.000.
Adler, Stephen I.: *See*—
Tenorio, Abel; Sanchez, Ernest; and Adler, Stephen I., 4,834,282, Cl. 236-1.00G.
Adlerborn, Jan; Larker, Hans; and Nilsson, Jan, to ABB Cerama AB. Method of manufacturing an object of a powdered material by isostatic pressing. 4,883,639, 11-28-89, Cl. 419-49.000.
Adlhart, Otto J.; and Rosso, Matthew J., Jr, to Ergenics Power Systems, Inc. Ion exchange fuel cell assembly with improved water and thermal management. 4,826,741, 5-2-89, Cl. 429-19.000.
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- Spak, Michael E.; Tyl, Craig S.; and Wottrich, Philip C., 4,864,544, Cl. 365-230.080.
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- Tam, Aloysius T.; and Threewitt, N. Bruce, 4,825,416, Cl. 365-194.000.
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- Walters, Donald M., Jr., 4,804,871, Cl. 807-530.000.
- Walters, Donald M., Jr., 4,806,794, Cl. 307-451.000.
- Walters, Donald M., Jr., 4,825,101, Cl. 307-270.000.
- Walters, Donald M., Jr., 4,841,279, Cl. 340-146.200.
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  - Patterson, John F., 4,803,044, Cl. 376-444.000.
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  - Fazlin, Fazal A.; and Lee, Rex A., 4,863,577, Cl. 204-192.320.
- Advanced Polymer Systems: *See—*
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  - Leong, Helen; Katz, Martin; Delk, Ann; Nacht, Sergio; and Berliner, David, 4,855,144, Cl. 424-487.000.
- Advanced Polymer Systems, Inc.: *See—*
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- Advanced Products & Technologies: *See—*
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  - Tom, Glenn M.; and Brown, Duncan W., 4,853,148, Cl. 252-194.000.
  - Tom, Glenn M.; and Brown, Duncan W., 4,865,822, Cl. 423-210.000.
- Advanced Techtronics, Inc.: *See—*
  - Rapoport, Uri; and Panosh, Richard, 4,875,486, Cl. 128-653.000.
- Advanced Tool Technologies, Inc.: *See—*
  - Rossetti, James J., 4,818,336, Cl. 156-651.000.
  - Rossetti, James J., 4,832,790, Cl. 156-651.000.
- Advanced Underwater Techology: *See—*
  - Dahlback, Gunnar, 4,820,084, Cl. 405-186.000.
- Advantage Engineering Incorporated: *See—*
  - Oswalt, Philip D.; Short, Harold R.; and Wash, Steven E., 4,802,338, Cl. 62-98.000.
  - Oswalt, Philip D.; Short, Harold R.; and Wash, Steven E., 4,850,201, Cl. 62-185.000.
- Advantage Entertainment, Inc.: *See—*
  - Sleichter, Charles G., III; Danks, Don; and Strong, Dale, 4,852,874, Cl. 272-137.000.
- Advantest Corporation: *See—*
  - Hayashi, Mishio, 4,870,664, Cl. 377-44.000.
  - Hayashi, Mishio, 4,878,233, Cl. 375-116.000.
  - Imada, Hideaki, 4,797,886, Cl. 371-27.000.
  - Kannari, Shigeru, 4,799,008, Cl. 324-73.00R.
  - Ooshima, Hiromi; Shimizu, Masao; and Nishiura, Junji, 4,835,774, Cl. 371-25.000.
  - Sato, Kazuhiko; Nishiura, Junji; and Takahashi, Keiichi, 4,862,071, Cl. 324-73.00R.
  - Yamaguchi, Takahiro; Kasahara, Toshiharu; and Kosawa, Hiromi, 4,885,708, Cl. 364-553.000.
- Ady, Daniel D., to Lohman Manufacturing Co., Inc. Deer call. 4,850,925, 7-25-89, Cl. 446-207.000.
- AE PLC: *See—*
  - Adams, David R.; Philby, Johnathan D.; Pope, Alan D.; Spence, David F.; and Eastham, David R., 4,830,719, Cl. 204-129.460.
  - Bruni, Ludovico, 4,831,919, Cl. 92-233.000.
  - Davies, Glyndwr, 4,865,922, Cl. 428-551.000.
  - Donnison, Geoffrey M.; Wordsworth, Robert A.; and Rhodes, Michael L. P., 4,838,149, Cl. 92-222.000.
  - Hepworth, William J.; and Bolton, Albert E., 4,804,033, Cl. 164-97.000.
  - Johns, Antony, 4,811,253, Cl. 364-560.000.
  - New, Nigel H., 4,817,007, Cl. 364-474.010.
  - Purvey, Ronald J., 4,871,458, Cl. 210-360.100.
  - Rhodes, Michael L. P.; and Parker, David A., 4,809,591, Cl. 92-159.000.
  - Rhodes, Michael L. P., 4,817,505, Cl. 92-237.000.
  - Rhodes, Michael L. P., 4,876,947, Cl. 92-187.000.
  - Slee, Roger H., 4,841,927, Cl. 123-193.00C.
  - Slee, Roger H., 4,864,985, Cl. 123-190.0BA.
  - Turner, Michael; Dennis, John K.; and Eastham, David R., 4,795,682, Cl. 428-646.000.
- Aebischer, Patrick; Valentini, Robert F.; and Galletti, Pierre M., to Pfizer Hospital Products Group, Inc. Devices for neural signal transmission. 4,878,913, 11-7-89, Cl. 623-12.000.
- Aebischer, Patrick: *See—*
  - Valentini, Robert F.; Aebischer, Patrick; and Galletti, Pierre M., 4,877,029, Cl. 128-334.00R.
- Aebli, Beat M.; and Gremmelmaier, Claude, to Ciba-Geigy Corporation. Process for the preparation of indolines. 4,886,887, 12-12-89, Cl. 548-490.000.
- AEC-Able Engineering Company, Inc.: *See—*
  - Benton, Max D.; and Everman, Michael R., 4,834,561, Cl. 384-559.000.
  - Everman, Michael R., 4,801,231, Cl. 411-432.000.
- AECI Limited: *See—*
  - Baker, Rodney C., 4,874,753, Cl. 514-89.000.
  - Stiff, Anthony J., 4,853,157, Cl. 558-483.000.
- AEG Aktiengesellschaft: *See—*
  - Kriechbaum, Karl, 4,885,442, Cl. 200-144.00B.
  - Kummerfeldt, Georg; May, Franz; and Wolf, Winfrid, 4,816,906, Cl. 358-136.000.
- AEG-Elotherm GmbH: *See—*
  - Konietzni, H. J.; Wolter, B.; and Zok, E., 4,814,052, Cl. 204-129.200.
  - Matthes, Hans G., 4,875,150, Cl. 363-51.000.
- AEG Olympia AG: *See—*
  - Keiter, Alfred; and Sauer, Manfred, 4,820,125, Cl. 400-249.000.
  - Kloppenburg, Ernst, 4,859,918, Cl. 388-815.000.
  - Wehking, Hans; and Gottschlich, Manfred, 4,842,429, Cl. 400-157.200.
- AEG Olympia Aktiengesellschaft: *See—*
  - Heins, Hans-Peter; Keiter, Alfred; and Jendricke, Hermann, 4,861,177, Cl. 400-208.000.
  - Kittel, Arthur, 4,813,796, Cl. 400-18.000.
  - Kloppenburg, Ernst, 4,842,427, Cl. 400-18.000.
  - Lange, Heinz; Heins, Hans-Peter; and Jendricke, Hermann, 4,854,755, Cl. 400-208.100.
- AEG Westinghouse Transportation Systems, Inc.: *See—*
  - Laskey, Paul S., 4,819,168, Cl. 364-424.010.
- Aegis Medical Corporation: *See—*
  - Metters, John R., 4,829,995, Cl. 128-156.000.
  - Metters, John R., 4,830,183, Cl. 206-441.000.
- Aehnelt, Peter; and Enderle, Eckhard, to Carl-Zeiss-Stiftung. Probe head for a coordinate measuring instrument. 4,833,792, 5-30-89, Cl. 33-558.000.
- Aellen, Pierre-Andre , to ETA SA Fabriques d'Ebauches. Watch, method for the assembly thereof and cap therefor. 4,831,606, 5-16-89, Cl. 368-282.000.
- Aeration Engineering Resources: *See—*
  - Leidel, David A., 4,865,778, Cl. 261-122.000.
- Aeration Industries, Inc.: *See—*
  - Durda, Joseph A., 4,806,251, Cl. 210-747.000.

  - Durda, Joseph A.; and Giese, Thomas G., 4,882,099, Cl. 261-128.000.
- Aerco International, Inc.: *See—*
  - Cohen, Kenneth W., 4,852,524, Cl. 122-448.00R.
- Aercology Incorporated: *See—*
  - Avondoglio, Leo, 4,877,431, Cl. 55-321.000.
- Aerion Industries, Inc.: *See—*
  - Brunton, James L., 4,879,115, Cl. 424-694.000.
- Aeritalia Saipa - Gruppo Velivoli da Trasporto: *See—*
  - Turris, Fabrizio R. S.; and Pagliuso, Salvatore, 4,816,106, Cl. 156-285.000.
- Aero Toys, Incorporated: *See—*
  - Smith, Mark A., 4,867,725, Cl. 446-34.000.
- Aerojet-General Corporation: *See—*
  - Chiang, Tien-Hon; and Thatcher, Donald N., 4,797,085, Cl. 425-405.200.
  - Mandl, William J., 4,803,661, Cl. 365-184.000.
  - Miller, Ira E., 4,869,442, Cl. 244-3.280.
  - Schoenman, Leonard, 4,882,904, Cl. 60-258.000.
  - Washburn, William J., 4,803,927, Cl. 102-434.000.
- Aerometrics, Inc.: *See—*
  - Bachalo, William D., 4,854,705, Cl. 356-336.000.
- Aeronautic Development Corp. Ltd.: *See—*
  - Carr, Thomas W.; Rose, Philip M.; and Marsh, Alan H., 4,817,756, Cl. 181-214.000.
- Aeroquip Corporation: *See—*
  - Aslin, David J., 4,795,561, Cl. 210-512.100.
  - Fournier, Paul J. E.; Kulikowski, Ernest F.; and Allread, Alan R., 4,881,569, Cl. 137-360.000.
  - Hawley, Frank D.; Rogers, Russell L.; Allread, Alan R.; and Fournier, Paul J. E., 4,794,960, Cl. 141-384.000.
  - Laipply, Robert A., 4,889,368, Cl. 285-18.000.
  - Loyd, Bruce L., 4,867,623, Cl. 410-105.000.
  - Tsaprazis, Edward; Maris, Nicholas P.; and Montague, Charles, 4,878,019, Cl. 324-204.000.
  - Tsaprazis, Euripides, 4,831,362, Cl. 340-515.000.
  - Webster, Alexander P., 4,884,591, Cl. 137-68.100.
- Aeroquip Corporation, Linair Division: *See—*
  - Christianson, Roger D., 4,848,807, Cl. 285-110.000.
- Aerospace Corporation, The: *See—*
  - Bernard, Jay M.; Chodzko, Richard A.; and Bixler, Timothy J., 4,799,780, Cl. 350-600.000.
  - Csanky, Geza, 4,820,999, Cl. 330-277.000.
  - Eng, Genghmun, 4,847,675, Cl. 357-71.000.
  - Gelbwachs, Jerry A., 4,829,597, Cl. 455-617.000.
  - Halle, Linda F., 4,804,614, Cl. 430-311.000.
  - Kao, Wei H.; Katzman, Howard A.; and Slater, Eric M., 4,837,053, Cl. 427-214.000.
  - Wong, Jimmy L. Y.; and King, Howard E., 4,860,020, Cl. 343-828.000.
  - Zimmerman, Albert H.; and Badcock, Charles C., 4,800,140, Cl. 429-48.000.
- Aerospace Recovery System, Inc.: *See—*
  - Kendall, Robert T.; and Kendall, Robert T., Jr., 4,832,288, Cl. 244-160.000.
- Aerospace Testing Lab, Inc.: *See—*
  - Ferreira, Nicholas C., 4,805,459, Cl. 73-620.000.
- Aerospatiale Societe Nationale Industrielle: *See—*
  - Allard, Pierre; Lefebvre, Robert; Vallee, Daniel; and Berton, Pierre, 4,852,348, Cl. 60-270.100.
  - Aubry, Jacques A.; and Mondet, Jean J., 4,815,937, Cl. 416-140.000.
  - Aubry, Jacques A.; and Mauduit, Daniel A., 4,821,983, Cl. 244-104.0FP.
  - Aubry, Jacques A.; and Azeau, Jean J. E., 4,822,245, Cl. 416-134.00A.
  - Berger, Dominique; and Rivron, Vincent, 4,827,417, Cl. 364-433.000.
  - Bernard, Esparbes, 4,887,558, Cl. 123-58.00C.
  - Bouteyre, Jacques; and Le Floc'H, Christian, 4,798,466, Cl. 356-347.000.
  - Cahuzac, Georges J., 4,848,414, Cl. 139-411.000.
  - Cahuzac, Georges J. J., 4,805,421, Cl. 66-13.000.
  - Cahuzac, Georges J. J.; and Monget, Francois, 4,863,660, Cl. 264-103.000.
  - Carel, Claude; and Josse, Alain, 4,870,903, Cl. 102-201.000.
  - Chareire, Jean-Louis; and Lapeyre, Didier, 4,820,301, Cl. 623-3.000.
  - Chareire, Jean-Louis; and Lapeyre, Didier, 4,822,356, Cl. 623-3.000.
  - Dalbera, Jacques M., 4,858,855, Cl. 244-137.100.
  - Durand, Jean-Pierre; Labrot, Maxime; Truc, Joel; and Valy, Yves, 4,831,944, Cl. 110-346.000.
  - Guillou, Bernard P. V.; and Lahitte, Pierre V. A., 4,850,903, Cl. 439-784.000.
  - Guillou, Bernard P. Y.; and Lahitte, Pierre V. A., 4,853,656, Cl. 333-34.000.
  - Guillou, Bernard P. Y.; and Lahitte, Pierre V. A., 4,866,369, Cl. 324-58.00B.
  - Lacombe, Jean F.; and Miane, Jean L., 4,885,527, Cl. 324-58.50C.
  - Le Touche, Roger A. L., 4,814,371, Cl. 524-405.000.
  - Lherm, Andre; Raveu, Bernard; and Nicolas, Alain, 4,837,661, Cl. 361-329.000.
  - Mouille, Rene L.; and Rollet, Philippe A., 4,809,931, Cl. 244-17.210.
  - Mouille, Rene L., 4,811,627, Cl. 74-665.00L.
  - Pasquini, Pierre; Labrot, Maxime; Serrano, Jean-Pierre; and Pineau, Didier, 4,847,466, Cl. 219-121.590.
  - Picot, Jacques, 4,870,904, Cl. 102-383.000.
  - Prevost, Claude; and Le Bourhis, Gerard, 4,801,821, Cl. 307-311.000.
  - Rochette, Marc, 4,845,856, Cl. 33-228.000.
  - Rousseau, Gerard; and Pastureau, Nicole, 4,863,773, Cl. 428-68.000.
  - Sainte Luce Banchelin, Jean; Bourcereau, Jean; and Valy, Yves, 4,837,448, Cl. 250-519.100.
  - Tisne, Jean-Louis, 4,834,144, Cl. 139-13.00R.
  - Vaillant De Guelis, Hubert; and Joly, Jean-Louis, 4,872,357, Cl. 74-5.100.
  - Valy, Yves; Gadbin, Michel; Banchelin, Jean S. L.; and Bourcereau, Jean, 4,833,334, Cl. 250-515.100.
  - Vuillet, Alain E.; Philippe, Jean J.; and Desopper, Andre , 4,880,355, Cl. 416-228.000.
- Aerotech, Inc.: *See—*
  - Aiello, Marc F.; and Grazulis, John J., 4,819,246, Cl. 372-107.000.
  - Aiello, Michael E., 4,884,016, Cl. 318-685.000.
- Aerotel Israel: *See—*
  - Kamil, Zvi, 4,868,873, Cl. 379-386.000.
- Aerovironment, Inc.: *See—*
  - Mathai, C. V.; Rathbun, Lyle A.; and Kinsey, John S., 4,854,500, Cl. 239-3.000.
- Aerovox M, Inc.: *See—*
  - Hodges, C. Wayne; Henderson, Dennis R.; and Koons, Edwin R., 4,841,608, Cl. 29-25.420.
  - Melody, Brian; and Clouse, James A., 4,812,951, Cl. 361-504.000.
- Aertken, Karl: *See—*
  - Westernacher, Helmut; Aertken, Karl; and Stieren, Thomas, 4,847,440, Cl. 568-874.000.
  - Westernacher, Helmut; Aertken, Karl; and Stieren, Thomas, 4,855,516, Cl. 568-873.000.
- Aertker, Walter P.; Taylor, William L.: and Medica, Frank, to Dry, N. Elton; and Garvey, Charles C., Jr., part interest to each. Remotely controlled steering apparatus for outboard trolling motors. 4,824,408, 4-25-89, Cl. 440-6.000.
- Aeschbach, James F.: *See—*
  - McCarthy, Jon J.; and Aeschbach, James F., 4,863,252, Cl. 350-507.000.
- Aeschlimann, Peter; and Schwander, Hansrudolf. Reactive dyes comprising a reactive radical bonded to the chromophor by a urea bridge member. 4,841,028, 6-20-89, Cl. 534-629 000.
- Aesculap-Werke AG Vormals Jetter & Scheerer: *See—*
  - Braun, Karl, 4,854,317, Cl. 128-334.00R.
  - Habig, Klaus; Taschner, Wolfgang; and Wolfle, Wilfried, 4,796,778, Cl. 220-315.000.
- Aesculap-Werke Aktiengesellschaft: *See—*
  - Taschner, Wolfgang, 4,818,502, Cl. 422-310.000.
  - Taschner, Wolfgang, 4,820,499, Cl. 422-310.000.
- Aetna Bearing Company: *See—*
  - Harrington, Richard F.; and Selgrad, James, 4,854,437, Cl. 192-98.000.
- af Ekenstam, Bo T.: *See—*
  - Aberg, Gunnar A. K.; and af Ekenstam, Bo T., 4,822,778, Cl. 514-317.000.
- AFA Products, Inc.: *See—*
  - Maas, Joseph W. J., 4,883,227, Cl. 239-120.000.
- AFC, Inc.: *See—*
  - Fingerson, Conrad F.; Carlson, Dennis L.; Nelson, Bruce A.; and Eickhoff, Robert D., 4,874,180, Cl. 273-416.000.
- Affa, Alfred, to Dr. Johannes Heidenhain GmbH. Position measuring instrument. 4,818,111, 4-4-89, Cl. 356-374.000.
- Affald International Inc.: *See—*
  - Koffsky, Robert M.; and Pedersen, Finn S., 4,809,915, Cl. 241-36.000.
  - Koffsky, Robert M.; and Pedersen, Finn S., 4,889,290, Cl. 241-36.000.
- Affarsverket FFV: *See—*
  - Medin, Gunnar; Olsson, Erik; Sjoo, Lennart; and Lundgren, Roger, 4,881,448, Cl. 89-36.020.
  - Olofsson, Goran; and Andersson, Tord, 4,850,276, Cl. 102-401.000.
- Affeldt, Karl-Heinz; and Hantel, Ulrich, to Robert Bosch GmbH. Vasometric test apparatus for finger testing. 4,838,277, 6-13-89, Cl. 128-691.000.
- Affeldt, Karl-Heinz; and Hantel, Ulrich, to Robert Bosch GmbH. Vasometric test apparatus for testing blood supply to the toe of a patient. 4,873,988, 10-17-89, Cl. 128-687.000.
- Affinito, Frank J.; and Beetem, John F., to International Business Machines Corporation. Feedback mouse. 4,868,549, 9-19-89, Cl. 340-710.000.
- Affival: *See—*
  - Douchy, Michel, 4,863,803, Cl. 420-552.000.
- Affleck, Wayde H.; and Moser, Thomas P., to Hughes Aircraft Company. Directly heated ceramic catalyst support. 4,868,841, 9-19-89, Cl. 372-59.000.
- Afflitto, John: *See—*
  - Gaffar, Abdul; Lau, Shek-Hong; and Afflitto, John, 4,826,675, Cl. 424-52.000.
  - Gaffar, Abdul; and Afflitto, John, 4,843,099, Cl. 514-576.000.
  - Gaffar, Abdul; Lau, Shek-Hong H.; Afflitto, John; and Nykvist, Arline M., 4,889,712, Cl. 424-52.000.
- Afforder, Cynthia A.: *See—*
  - Osborne, Michael W.; Afforder, Cynthia A.; and England, William G., 4,855,276, Cl. 502-415.000.
- Affrossman, Stanley; Bakhshaee, Massoud; Pethrick, Richard A.; and Sherrington, David C., to National Research Development Corpora-

tion. Polymeric materials and their use as resists. 4,885,344, 12-5-89, Cl. 525-302.000.
AFG Glass Inc.: *See—*
  Metrick, Stanley G., 4,803,820, Cl. 52-397.000.
Afga-Gevaert Aktiengesellschaft: *See—*
  Kurths, Siegfried, 4,853,730, Cl. 354-340.000.
  Payrhammer, Bernd; and Huber, Leonhard, 4,853,742, Cl. 355-27.000.
Afgen (Proprietary) Limited: *See—*
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Afian, Viktor V.; Vartanian, Albert V.; Martirosian, Ruben G.; Ryabikov, Stanislav V.; Strebkov, Dmitry S.; and Tveryanovich, Eduard V. Solar concentrator and manufacturing method therefor. 4,863,224, 9-5-89, Cl. 350-3.700.
AFROS S.p.A: *See—*
  Fiorentini, Carlo, 4,832,499, Cl. 366-152.000.
AFROS S.p.A.: *See—*
  Fiorentini, Carlo, 4,802,770, Cl. 366-177.000.
  Fiorentini, Carlo, 4,823,992, Cl. 222-333.000.
Afsenius, Sven-Åke, to Simrad Optronics A/S. Image intensifier binocular. 4,826,302, 5-2-89, Cl. 350-538.000.
Afseth, John, to Blendax-Werke R. Schneider GmbH & Co. Composition for oral hygiene. 4,795,628, 1-3-89, Cl. 424-54.000.
Afshar, Mohammad M. Container closure and dispenser for granular materials. 4,836,424, 6-6-89, Cl. 222-279.000.
Aftco Mfg. Co., Inc.: *See—*
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Afzali-Ardakani, Ali; Desai, Mukesh; Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., to International Business Machines Corporation. Metal transfer to form printing master plate or printed circuit board. 4,800,397, 1-24-89, Cl. 346-1.100.
Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., to International Business Machines Corporation. Resistive ribbon for high resolution printing. 4,810,119, 3-7-89, Cl. 400-241.100.
Afzali-Ardakani, Ali; and Pennington, Keith S., to International Business Machines Corporation. Direct offset master by resistive thermal printing. 4,836,106, 6-6-89, Cl. 101-467.000.
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Ag-Chem Equipment Co., Inc.: *See—*
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AG Communication Systems Corporation: *See—*
  Belanger, Thomas D., Jr.; and Johnson, Roy L., 4,837,657, Cl. 361-220.000.
  Belanger, Thomas D., Jr., 4,848,639, Cl. 228-5.500.
  Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., 4,866,703, Cl. 370-60.000.
  Bruce, Donovan A., 4,845,499, Cl. 341-143.000.
  Glenn, Thomas R.; and Zaremba, Norman S. 4,866,578, Cl. 362-139.000.
  Kralik, Ivan M., 4,847,838, Cl. 371-25.000.
  Reimer, William A.; and Vonder, David L., 4,863,388, Cl. 439-31.000.
  Webber, Robert C., 4,858,109, Cl. 364-200.000.
  Zaremba, Norman S.; Beyer, John P.; and Glenn, Thomas R., 4,868,975, Cl. 29-741.000.
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  Buhler, Ernst, 4,851,633, Cl. 219-69.120.
  Hermann, Ferdinand, 4,810,892, Cl. 250-566.000.
  Levy, Gideon; Libotte, Claudio; Boccadoro, Marco; and Magginetti, Silvano, 4,822,970, Cl. 219-69.160.
  Levy, Gideon; and Di Bitonto, Daryl, 4,847,463, Cl. 219-69.120.
  Levy, Gideon; Budin, Josef; and Moergeli, Benjamin, 4,859,324, Cl. 210-195.200.
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AGA A.B.: *See—*
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  Ziegler, Michael J.; Millward, Barry; and Robb, Kenneth P., Jr., 4,840,656, Cl. 65-85.000.
AGA Gas Central, Inc.: *See—*
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Aga, Steven M. Remote safety switch. 4,839,533, 6-13-89, Cl. 307-140.000.
Agabekov, Youri. Elongated lighting device. 4,858,088, 8-15-89, Cl. 362-249.000.
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Agan Chemical Manufacturers Ltd.: *See—*
  Arenstein, Zeev; and Gotlieb, Abraham, 4,838,928, Cl. 71-93.000.
Agano, Toshitaka; and Takasaki, Yoshimi, to Fuji Photo Film Co., Ltd. Image read-out apparatus employing a photomultiplier. 4,818,876, 4-4-89, Cl. 250-484.100.
Agano, Toshitaka; and Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus. 4,877,958, 10-31-89, Cl. 250-327.200.
Agano, Toshitaka: *See—*
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  Kato, Hisatoyo; and Agano, Toshitaka, 4,864,135, Cl. 250-327.200.
  Ohgoda, Makoto; and Agano, Toshitaka, 4,855,599, Cl. 250-327.200.
Agapiou, Charles J. Safety awareness kit including toy figures. 4,815,607, 3-28-89, Cl. 206-579.000.
Agarwal, Arun: *See—*
  Balian, Charles; Simpson, Jon H.; and Agarwal, Arun, 4,824,727, Cl. 428-352.000.
Agarwal, Arun K., to Wang Laboratories, Inc. Screen manager multiple viewport for a multi-tasking data processing system. 4,807,142, 2-21-89, Cl. 364-200.000.
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Agarwal, Paul D.; and Kade, Alexander, to General Motors Corporation. DC torque motor actuated anti-lock brake controller. 4,807,134, 2-21-89, Cl. 364-426.020.
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- Agnew Machine Company: *See—*
  - Kutzli, Carl R.; and Rutter, James D., 4,799,586, Cl. 198-803.010.
- Agnew, Palmer W.; Clayton, Neil H.; Judkovics, Monroe; Rivero, Jose L.; and Sun, Kuo-Chang, to International Business Machines Corporation. Knowledge system with improved request processing. 4,884,218, 11-28-89, Cl. 364-513.000.
- Agnew, Paul: *See—*
  - Dean, Tracy C., 4,860,388, Cl. 2-247.000.
- Agnihotri, Chaitanya; and Cobiella, Robert M., to United States of America, U.S. Environmental Protection Agency. Methods for removing volatile substances from water using flash vaporization. 4,842,748, 6-27-89, Cl. 210-774.000.
- Agnone, Frank A. Dental implant. 4,828,492, 5-9-89, Cl. 433-173.000.
- Ago, Hideo: *See—*
  - Otsubo, Kazunari; Ezoe, Motonobu; Ago, Hideo; and Yamamoto, Koji, 4,880,896, Cl. 528-196.000.
- Agoh, Masanobu: *See—*
  - Sato, Nobukatsu; Kuriyama, Haruo; and Agoh, Masanobu, 4,818,761, Cl. 514-341.000.
- Agosta, Roy P.: *See—*
  - Robbins, Mark R.; Robbins, Douglas W.; and Agosta, Roy P., 4,799,727, Cl. 296-107.000.
- Agostinelli, John A.; and Mir, Jose M., to Eastman Kodak Company. Scan-multiplexed light valve printer with band-reducing construction. 4,797,694, 1-10-89, Cl. 346-160.000.
- Agostinelli, John A.; and Mir, Jose M., to Eastman Kodak Company. Multiplexed array exposing system having equi-angular scan exposure regions. 4,801,194, 1-31-89, Cl. 350-356.000.
- Agostinelli, John A.; and Mir, Jose M., to Eastman Kodak Company. System for high resolution exposure address with coarser resolution exposing array. 4,805,012, 2-14-89, Cl. 358-75.000.
- Agostinelli, John A.; and Mir, Jose M., to Eastman Kodak Company. Multicolor light valve imaging apparatus having electrode constructions for uniform transmission. 4,822,148, 4-18-89, Cl. 350-356.000.
- Agostinelli, John A.; and Gysling, Henry J., to Eastman Kodak Company. Process for depositing a III–V compound layer on a substrate. 4,833,103, 5-23-89, Cl. 437-234.000.
- Agostinelli, John A.: *See—*
  - Mir, Jose M.; Agostinelli, John A.; Peterson, David L.; Paz-Pujalt, Gustavo R.; Higberg, Brian J.; and Rajeswaran, Gopalan, 4,880,770, Cl. 505-1.000.
- Agostini, Louis P. C.; and Denis, Philippe V., to Staar S.A. Top loading record changer mechanism with removable magazine supported for swiveling between a top loading position and an operating position angularly displaced therefrom. 4,833,552, 5-23-89, Cl. 360-92.000.
- Agostini, Louis P. C.: *See—*
  - d'Alayer de Costemore d'Arc, Stephane M.; and Agostini, Louis P. C., 4,811,323, Cl. 369-75.200.
- Agostinis, Enrico; Custro, Sergio; and Zazzetta, Alessandro, to Enichem Elastomeri S.p.A. Block copolymer and process for preparing it. 4,874,821, 10-17-89, Cl. 525-271.000.
- Agostino, Michael. Dual flush valve assembly. 4,829,605, 5-16-89, Cl. 4-326.000.
- Agostino, Michael. Buoyant and non-buoyant valve. 4,841,580, 6-27-89, Cl. 4-393.000.
- Agostino, Michael. Dual float valve control for regular and douglas type valve. 4,872,473, 10-10-89, Cl. 137-270.000.
- Agoston, Agoston, to Tektronix, Inc. Programmable sampling time base circuit. 4,812,769, 3-14-89, Cl. 328-63.000.
- Agostoni, Alberto; D'Agostino, Alfredo; Craighero, Enrico; and Marazza, Renzo, to Tecnomare S.p.A. Four-leg trestlework structure for supporting an off-shore platform. 4,881,620, 11-21-89, Cl. 182-179.000.
- Agouridas, Constantin: *See—*
  - Fauveau, Patrick; Nedelec, Lucien; Agouridas, Constantin; and Hamon, Gilles, 4,831,043, Cl. 514-322.000.
- Agracetus Corporation: *See—*
  - Paau, Alan, 4,875,921, Cl. 71-7.000.
- Agranoff, Bernard W.: *See—*
  - Rich, Arthur; and Agranoff, Bernard W., 4,853,945, Cl. 377-10.000

- Agrawa, Rakesh; Auvil, Steven R.; and Wilson, Keith B., to Air Products and Chemicals, Inc. Process for the production of high pressure nitrogen with split reboil-condensing duty. 4,883,519, 11-28-89, Cl. 62-39.000.
- Agrawal, Anant: *See—*
  - Garner, Robert B.; and Agrawal, Anant, 4,884,198, Cl. 364-200.000.
- Agrawal, Anoop, to Donnelly Corporation. Encapsulated electrochromic mirror and method of making same. 4,852,979, 8-1-89, Cl. 350-357.000.
- Agrawal, Dinesh K.: *See—*
  - Limaye, Santosh Y.; Agrawal, Dinesh K.; McKinstry, Herbert A.; and Roy, Rustum, 4,801,566, Cl. 501-104.000.
- Agrawal, Om: *See—*
  - Shankar, Kapil; and Agrawal, Om, 4,876,640, Cl. 364-200.000.
- Agrawal, Rakesh; and Ezzat, Ahmed K., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of propagating resource information in a computer network. 4,800,488, 1-24-89, Cl. 364-200.000.
- Agrawal, Rakesh; Auvil, Steven R.; and Choe, Jung S., to Air Products and Chemicals, Inc. Process for the production of argon. 4,817,392, 4-4-89, Cl. 62-18.000.
- Agrawal, Rakesh; and Ezzat, Ahmed K., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of file access in a distributed processing computer network. 4,825,354, 4-25-89, Cl. 364-200.000.
- Agrawal, Rakesh; and Auvil, Steven R., to Air Products and Chemicals, Inc. Process for the production of high purity argon. 4,834,956, 5-30-89, Cl. 423-262.000.
- Agrawal, Rakesh; and Auvil, Steven R., to Air Products and Chemicals, Inc. Process for the production of high pressure nitrogen. 4,872,893, 10-10-89, Cl. 62-11.000.
- Agrawal, Rakesh; Auvil, Steven R.; and Deeba, Michel, to Air Products and Chemicals, Inc. Alkylation of aromatic amines with olefins on partially dealuminated zeolites. 4,876,377, 10-24-89, Cl. 558-416.000.
- Agrawal, Suphal P.; and Scarich, Gregory V., to Northrop Corporation. Method of improving properties of superplastically formed alloys by healing cavities. 4,814,025, 3-21-89, Cl. 148-11.50A.
- Agrawal, Suphal P.; and Ward, Bennie R. Superplastic aluminum alloys, alloy processes and component part formations thereof. 4,867,805, 9-19-89, Cl. 148-11.50A.
- Agreda, Victor H.: *See—*
  - Rule, Mark; and Agreda, Victor H., 4,863,710, Cl. 423-500.000.
  - Steinmetz, Guy R.; Rule, Mark; Agreda, Victor H.; and Treece, Lanney C., 4,803,296, Cl. 560-80.000.
- Agri-Diagnostics Associates: *See—*
  - Petersen, Frank P.; Maybroda, Adrianna M.; and Miller, Sally A., 4,803,155, Cl. 435-7.000.
  - Petersen, Frank P.; Maybroda, Adrianna M.; Grothaus, Gary D.; and Miller, Sally A., 4,845,197, Cl. 530-387.000.
  - Petersen, Frank P.; Grothaus, Gary D.; and Miller, Sally A., 4,879,217, Cl. 435-7.000.
- Agri-Fab, Inc.: *See—*
  - Hauser, Hans, 4,862,767, Cl. 74-687.000.
- Agri-Plastics, Inc.: *See—*
  - Van Gilst, Carl W., 4,800,844, Cl. 119-51.500.
- Agria-Werke GmbH: *See—*
  - Saur, Niko K.; and Bronner, Wolfgang, 4,875,536, Cl. 180-6.320.
- Agricultural & Food Research Council: *See—*
  - Kirsop, Brian H.; and Brocklehurst, Timothy F., 4,837,037, Cl. 426-303.000.
- Agricultural Genetics Company Limited: *See—*
  - Williams, Paul M.; and Day, John M., 4,849,005, Cl. 71-7.000.
- Agrimetal Inc.: *See—*
  - Houle, Mario, 4,844,353, Cl. 241-101.00A.
- Agrimont S.p.A.: *See—*
  - Maccone, Sergio, 4,853,029, Cl. 71-111.000.
- Agro-Industria Innovacios Vallalat: *See—*
  - Vajda, Gabor; Ravasz, Laszlo; Vajda, Gaborne; and Karacsonyi, Bela, 4,837,042, Cl. 426-615.000.
- Agro-Kanesho Co., Ltd.: *See—*
  - Iriuchijima, Shinobu; Onodera, Nobuo; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,849,438, Cl. 514-373.000.
  - Iriuchijima, Shinobu; Kobayashi, Hirohiko; Masuda, Takahito; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,855,311, Cl. 514-373.000.
  - Someya, Shinzo; Akahira. Rokuro; Horino, Hiroshi; Ohnaka, Michihiro; and Kiuchi, Takashi, 4,798,618, Cl. 71-92.000.
  - Someya, Shinzo; Koura, Seigo; Ito, Mikio; Nakanishi, Akira; and Nonaka, Yuji, 4,841,035, Cl. 546-270.000.
- Agrogen Stiftung: *See—*
  - Knopf, Ulrich C.; and Sieber, Joseph, 4,799,358, Cl. 62-3.000.
- Agroteam Consultants Ltd.: *See—*
  - Greenberg, Ilan, 4,805,838, Cl. 239-222.170.
- Agroteam Consultants Ltd. 2: *See—*
  - Cohen, Amir, 4,886,211, Cl. 239-222.170.
- Agrozet: *See—*
  - Albrecht, Zbynek, 4,865,050, Cl. 460-126.000.
- Agtek Development Co., Inc.: *See—*
  - Davidson, Richard W.; and Fletcher, John W., 4,820,041, Cl. 356-1.000.
- Aguadisch, Louis M. J.; and Rankin, Frank S., to Dow Corning, Ltd. Pharmaceutical delivery device having a siloxane polymer matrix. 4,814,184, 3-21-89, Cl. 424-486.000.
- Aguado, Efrain G.: *See—*
  - Aymerica del Valle, Alejandro A.; Capdet, Pablo A. P.; Suarez, Francisco A. F.; and Aguado, Efrain G., 4,809,688, Cl. 128-88.000.
- Aguallo, Albert J.: *See—*
  - DesNoyers, Daniel P.; Greer, Michael E.; and Aguallo, Albert J., 4,843,746, Cl. 40-607.000.
- Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, to Tokyo Organic Chemical Industries, Ltd. Carbonaceous adsorbent for removal of pyrogen and method of producing pure water using same. 4,883,596, 11-28-89, Cl. 210-638.000.
- Aguilar, Alberto B. Safety indicator device for low water crossing. 4,879,545, 11-7-89, Cl. 340-624.000.
- Aguilar, Gerardo: *See—*
  - Alcaraz, Alfonso; Aguilar, Gerardo; Gonzalez, Mauricio; and Elizarraraz, Antonio, 4,889,210, Cl. 186-38.000.
- Aguilar, Jose L.: *See—*
  - Weston, John W.; Smith, Ronald R., II; and Aguilar, Jose L., 4,847,352, Cl. 528-196.000.
- Aguilar, Josephine: *See—*
  - Loria, Adrian; and Aguilar, Josephine, 4,880,465, Cl. 106-20.000.
- Aguilera, Angel R. Sail airfoil device. 4,879,961, 11-14-89, Cl. 114-102.000.
- Aguillen, Domingo V., Jr.; Casares, Pete P.; DeForrest, John E.; Green, Kevin C.; Kavanagh, Rocque A.; Wilkinson, Bryan; Marks, Marc K.; and Zuniga, Gerardo. Plastic-pipe pulling tool. 4,796,347, 1-10-89, Cl. 29-280.000.
- Aguilo', Adolfo: *See—*
  - Murphy, Mark A.; Smith, Brad L.; Aguilo', Adolfo; and Tau, Kwoliang D., 4,873,378, Cl. 568-867.000.
- Aguirre, Carlos E.; and Harker, Howard R., to Axel Johnson Metals, Inc. High capacity electron beam cold hearth furnace. 4,823,358, 4-18-89, Cl. 373-10.000.
- Aguirre, Carlos E.: *See—*
  - Worcester, Anthony W.; Ravnborg, Kai; and Aguirre, Carlos E., 4,808,376, Cl. 420-564.000.
- Agulnek, Martin A., to Polaroid Corporation. Control apparatus for electronic image printer. 4,809,020, 2-28-89, Cl. 346-107.00R.
- Agur, Enno E.: *See—*
  - Fabian, Ellis; and Agur, Enno E., 4,828,770, Cl. 264-40.300.
- Aguti, Alberto; Gaibotti, Maurizio; and Masina, Vittorio, to SGS Microelecttronica S.p.A. Power-on reset circuit for MOS logic devices. 4,797,584, 1-10-89, Cl. 307-594.000.
- AHA Automotive Technologies Corporation: *See—*
  - Hodgson, Gordon; Broadhead, Douglas G.; and Parent, David J., 4,875,538, Cl. 180-379.000.
- Ahad, Elie, to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Branched hydroxy-terminated aliphatic polyethers. 4,882,395, 11-21-89, Cl. 525-407.000.
- Ahad, Munir J.; and Pettersson, Sven A. Water dispensing system. 4,884,725, 12-5-89, Cl. 222-639.000
- Ahagon, Asahiro: *See—*
  - Suzuki, Yoshihiko; Kida, Masashi; Ahagon, Asahiro; Saitoh, Yuichi; and Yamaguchi, Youichi, 4,826,911, Cl. 524-526.000.
- Aharon, Oren, to Blaser Industries, Incorporated. Laser printer recording system. 4,803,498, 2-7-89, Cl. 346-108.000.
- Ahern, Brian S.; and Weyburne, David W., to United States of America, Air Force. Static periodic field device for free electron laser. 4,864,575, 9-5-89, Cl. 372-2.000.
- Ahern, Charles J.; Fedorowycz, Bohdan W.; and Neumeyer, Martin J., to General Dynamics Land Systems, Inc. Drive system and vehicle for use therewith. 4,809,803, 3-7-89, Cl. 180-65.400.
- Ahern, Glenn J.: *See—*
  - Malka, Jacob H.; and Ahern, Glenn J., 4,879,642, Cl. 364-131.000.
- Ahl, Elvin L.; and Miller, James B., to National Aeronautics and Space Administration. Antenna surface contour control system. 4,811,033, 3-7-89, Cl. 343-880.000.
- Ahl, Jeffrey L.: *See—*
  - Fox, Jay A.; and Ahl, Jeffrey L., 4,868,834, Cl. 372-20.000.
- Ahland, Erwin; Verfuss, Franz; Beyer, Hans-Dieter; and Lehmann, Joachim, to Bergwerksverband GmbH. Process for the reduction of pollutant emissions from power stations with combined gas/steam turbine processes with preceding coal gasification. 4,833,877, 5-30-89, Cl. 60-39.020.
- Ahlberg, Carl S.; Chamberlin, Davis W.; Bushong, Jerold W.; Oliveira, Robert J.; and Kolpe, Vasant V., to Minnesota Mining and Manufacturing Company. Hearing aid ear piece having disposable compressible polymeric foam sleeve. 4,880,076, 11-14-89, Cl. 181-130.000.
- Ahlberg, Carl S.: *See—*
  - Niles, Gerald J.; Chamberlin, Davis W.; and Ahlberg, Carl S., 4,815,600, Cl. 206-444.000.
- Ahlberg, David T.; Padliya, Dilipkumar; and Reed, Jeffery T., to Polysar Limited. Residue removal process. 4,857,632, 8-15-89, Cl. 528-487.000.
- Ahlbom, Sten H. N., to AB Volvo. Self-piloting vehicle. 4,816,998, 3-28-89, Cl. 364-424.020.
- Ahlemeyer, William B.; McCormick, Ben F., II; and Crum, Stephen T., to Uniden Corporation of America. Scanning radio receiver. 4,888,815, 12-19-89, Cl. 455-168.000.
- Ahlers, Klaas: *See—*
  - Schwerzel, Thomas; Osterloh, Rolf; Schupp, Eberhard; Perner, Thomas; and Ahlers, Klaas, 4,871,808, Cl. 525-113.000.
- Ahlers, Utz-Udo: *See—*
  - Muller, Peter; Nagler, Josef; and Ahlers, Utz-Udo, 4,860,969, Cl. 244-3.270.

- Ahlf, Heinz-Jurgen; Jager, Jurgen; Wulf, Peter; Guhne, Wieland; and Eckart, Manfred, to Vorwerk & Co. Interholding GmbH. Electric vacuum cleaner. 4,851,019, 7-25-89, Cl. 55-367.000.
- Ahlf, Heinz-Jurgen; Guhne, Gieland; and Eckhart, Manfred, to Vorwerk & Co. Interholding GmbH. Arrangement of filter bags in electric vacuum cleaners. 4,885,013, 12-5-89, Cl. 55-367.000.
- Ahlgren, Frederic F.; Davenport, John M.; Hansler, Richard L.; and Karikas, John J., to General Electric Company. Tungsten-halogen incandescent and metal vapor discharge lamps and processes of making such. 4,810,932, 3-7-89, Cl. 313-579.000.
- Ahlgren, Frederic F.; Bergman, Rolf S.; Davenport, John M.; Hansler, Richard L.; Hantman, Robert G.; and Hoegler, Leonard E., to General Electric Company. Radiant energy incandescent lamp. 4,839,559, 6-13-89, Cl. 313-579.000.
- Ahlness, Jon K.: *See—*
  - Schmidt, Robert D.; and Ahlness, Jon K., 4,815,791, Cl. 299-4.000.
- Ahlquist, Paul G., to Lubrizol Genetics, Inc. Transfer vector. 4,885,248, 12-5-89, Cl. 435-172.300.
- Ahlstone, Arthur G., to Cameron Iron Works USA, Inc. Tool for running structures in a well. 4,880,061, 11-14-89, Cl. 166-348.000.
- Ahlstrom Corporation: *See—*
  - Rantanen, Veikko O., 4,874,656, Cl. 428-216.000.
- Ahlstrom, John K.: *See—*
  - Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G., 4,803,619, Cl. 364-200.000.
- Ahlstrom, Lars G. W., to U.S. Philips Corporation. Method for combatting of targets and projectile or missile for carrying out the method. 4,796,834, 1-10-89, Cl. 244-3.160.
- Ahlstrom, Mark L.; Keller, Bruce A.; and Storch, Randy S., to System One Holdings, Inc. Computer reservation system with means to rank travel itineraries chosen in terms of schedule/fare data. 4,862,357, 8-29-89, Cl. 364-407.000.
- Ahlstromforetagen Svenska AB: *See—*
  - Norrmen, Kjell, 4,810,327, Cl. 159-13.300.
  - Ryham, Rolf, 4,860,548, Cl. 62-94.000.
  - Ryham, Rolf, 4,864,830, Cl. 62-94.000.
  - Ryham, Rolf, 4,877,080, Cl. 165-2.000.
  - Ryham, Rolf, 4,878,441, Cl. 110-238.000.
- Ahm, Poul H., to Bentle Products AG. Apparatus for transplanting tapes containing plants. 4,829,915, 5-16-89, Cl. 111-105.000.
- Ahmad, Eddress: *See—*
  - Pack, Roger N.; and Ahmad, Eddress, 4,839,972, Cl. 36-117.000.
- Ahmad, Riyaz. Medical apparatus for diagnosing eye conditions. 4,820,039, 4-11-89, Cl. 351-212.000.
- Ahmad, Riyaz. Suture cutter. 4,848,341, 7-18-89, Cl. 128-340.000.
- Ahmad, Syed I.: *See—*
  - Yun, Shyun-long; Leon, Luis P.; and Ahmad, Syed I., 4,816,411, Cl. 436-13.000.
- Ahmad, Syed S.: *See—*
  - Williams, Jeffrey D.; Young, Marvin L.; Ahmad, Syed S.; and Ransohoff, Jackson A., 4,810,523, Cl. 427-36.000.
- Ahmann, John E. Dual voting booth package. 4,854,652, 8-8-89, Cl. 312-140.200.
- Ahmari, Hossein: *See—*
  - Colineau, Joseph; and Ahmari, Hossein, 4,816,908, Cl. 358-60.000.
- Ahmed, Ahmed I.: *See—*
  - Nashef, Aws S.; and Ahmed, Ahmed I., 4,885,005, Cl. 8-94.110.
- Ahmed, Bashir M.: *See—*
  - Donovan, Joseph C.; and Ahmed, Bashir M., 4,874,673, Cl 428-463.000.
- Ahmed, Belal; Eisner, Andrew; Foodman, Harold; Hartley, G. Cecil; Hartley, Michael; and Marsh, Robert, to Treasure Isle, Inc. Process control and data collection system. 4,819,176, 4-4-89, Cl. 364-468.000.
- Ahmed, Fahim U., to Colgate-Palmolive Company. Process for the manufacture of higher fatty monoglyceride monosulfate detergents. 4,832,876, 5-23-89, Cl. 260-400.000.
- Ahmed, Fahim U.; Gabor, Thomas J.; Muller, Ernest G.; and Subramanyam, Ravi, to Colgate-Palmolive Company. Sodium monoglyceride sulfate detergent composition bar and process for manufacture thereof. 4,867,899, 9-19-89, Cl. 252-121.000.
- Ahmed, Fahim U.; and Buck, Charles E., to Colgate-Palmolive Company. Thixotropic aqueous liquid automatic dishwashing detergent composition containing anti-spotting and anti-filming agents. 4,889,653, 12-26-89, Cl. 252-99.000.
- Ahmed, Hassan J.; and Fogg, James L., to Westinghouse Electric Corp. Method and apparatus for passively gamma scanning a nuclear fuel rod. 4,822,552, 4-18-89, Cl. 376-257.000.
- Ahmed, Hassan J.: *See—*
  - Goldenfield, Mark P.; Lambert, David V.; and Ahmed, Hassan J., 4,822,987, Cl. 235-462.000.
- Ahmed, Maqbool: *See—*
  - Augstein, Joachim; and Ahmed, Maqbool, 4,804,678, Cl. 514-456.000.
- Ahmed, Mohamed I. Snow and ice melting system for automotive vehicles. 4,848,510, 7-18-89, Cl. 180-309.000.
- Ahmed, Moinuddin; Nelson, James R.; and Gibson, Charles A., to Union Carbide Corporation. Process for preparing alkanolamines. 4,845,296, 7-4-89, Cl. 564-477.000.
- Ahmed, Moinuddin: *See—*
  - Gibson, Charles A.; Ahmed, Moinuddin; and Nelson, James R., 4,847,418, Cl. 564-477.000.
- Ahmed, Nazeer; and Tomlinson, Roger R., to Hughes Aircraft Company. Method for the strain-free mounting of optical components. 4,856,172, 8-15-89, Cl. 29-434.000.
- Ahmed, Nazeer: *See—*
  - Tomlinson, Roger R.; and Ahmed, Nazeer, 4,806,027, Cl. 384-50.000.
- Ahmed, Salah H.; Kadlec, John D.; and Luksas, Anthony J., to Dairy Research, Inc. Carbonated liquid dairy product and method of production thereof. 4,804,552, 2-14-89, Cl. 426-580.000.
- Ahmed, Syed M., to Aqualon Company. Water-soluble polymer dispersion. 4,799,962, 1-24-89, Cl. 106-188.000.
- Ahmed, Syed M., to Siemens Aktiengesellschaft. Open-loop current amplifiers having improved gain characteristics. 4,890,068, 12-26-89, Cl. 330-253.000.
- Ahn, Hee K., to Samsung Electronics Co., Ltd. Single driving system for tape loading and reel mode conversion of VCR. 4,884,153, 11-28-89, Cl. 360-85.000.
- Ahn, Jung-ku; Kim, Jong-ahn; Paik, Jong-Kwan; and Gong, Hee-Chul, to Samsung Electronics Co., Ltd. Video tape recorder system. 4,870,507, 9-26-89, Cl. 358-316.000.
- Ahn, Kang H.: *See—*
  - Liu, Benjamin Y. H.; and Ahn, Kang H., 4,817,652, Cl. 134-102.000.
- Ahn, Kie Y.; Basavaiah, Saryadevara; Brodsky, Stephen B.; Cortellino, Charles A.; and Levine, Joseph E., to International Business Machines Corporation. Coated mask for photolithographic construction of electric circuits. 4,803,110, 2-7-89, Cl. 428-137.000.
- Ahn, Yeon S.: *See—*
  - Harrington, William J.; Ahn, Yeon S.; and Mylvaganam, Ravindra, 4,835,146, Cl. 514-176.000.
  - Harrington, William J.; Ahn, Yeon S.; and Mylvaganam, Ravindra, 4,837,212, Cl. 514-176.000.
- Ahne, Hellmut, to Siemens Aktiengesellschaft. Method for the manufacture of polyimidazole and polyimidazo-pyrrolone precursors from tetra carboxylic acid moiety reactant. 4,801,681, 1-31-89, Cl. 528-336.000.
- Ahne, Hellmut; and Plundrich, Winfried, to Siemens Aktiengesellschaft. Method for the production of heat-resistant structured layers. 4,828,948, 5-9-89, Cl. 430-18.000.
- Ahne, Hellmut; and Hammerschmidt, Albert, to Siemens Aktiengesellschaft. Heat resistant positive resists and method for preparing heat-resistant relief structures. 4,849,051, 7-18-89, Cl. 156-659.100.
- Ahne, Hellmut; and Plundrich, Winfried, to Siemens Aktiengesellschaft. Method for manufacturing heat-stable structured layers based on expoxy resin. 4,883,730, 11-28-89, Cl. 430-18.000.
- Ahner, David J.; and Dupin, Philippe J., to General Electric Company. Deaerator pressure control system. 4,819,436, 4-11-89, Cl. 60-657.000.
- Ahner, Mary E., to Exxon Chemical Patents Inc. Diaper tabs. 4,810,574, 3-7-89, Cl. 428-355.000.
- Ahner, Mary E., to Exxon Chemical Patents Inc. Pressure sensitive adhesives containing light color, low softening point hydrocarbon resins. 4,853,432, 8-1-89, Cl. 524-274.000.
- Ahnfelt-Ronne, Ian: *See—*
  - Nielsen, Ole Bent Ivormose; and Ahnfelt-Ronne, Ian, 4,826,987, Cl. 546-174.000.
- Aho, Jack R.: *See—*
  - Londeck, Paul B.; Sarti, Robert F.; and Aho, Jack R., 4,835,908, Cl. 49-377.000.
- Aho, John: *See—*
  - Lovette, Spencer; Coassin, Peter; Karol, Robert; and Aho, John, 4,862,753, Cl. 73-863.230.
- Aho, Kenneth A.; Melby, Jeffrey J.; and Miller, Richard A., to Minnesota Mining and Manufacturing Company. Automotive lighting element. 4,799,131, 1-17-89, Cl. 362-61.000.
- Aho, Kenneth A., to Minnesota Mining and Manufacturing Company. Reflective film. 4,799,137, 1-17-89, Cl. 362-309.000.
- Aho, Kenneth A.; Melby, Jeffrey J.; and Miller, Richard A., to Minnesota Mining and Manufacturing Company. Back-lit display. 4,874,228, 10-17-89, Cl. 350-345.000.
- Ahond, Alain; Laboute, Pierre; Laurent, Dominique; Potier, Pierre; Poupat, Christiane; Pusset, Jacques; Pusset, Michele; and Thoison, Odile, to Rhone-Poulenc Sante. New biologically active substance called girolline, extracted from the sponge pseudaxinyssa cantharella process for its preparation and pharmaceutical compositions containing it. 4,801,602, 1-31-89, Cl. 514-398.000.
- Ahonen, Heikki; Hakulinen, Reijo; and Lahti, Eero, to Oy Partek AB. Method of manufacturing a reusable mold. 4,865,783, 9-12-89, Cl. 264-37.000.
- Ahonen, Robert G.; Malenick, John; and Meyerhoff, Hans P., to Honeywell Inc. Low cost ring laser angular rate sensor. 4,865,436, 9-12-89, Cl. 350-487.000.
- Ahonen, Robert G.; and Malenick, John. Silicon substrate mirror assembly for lasers. 4,865,451, 9-12-89, Cl. 356-350.000.
- Ahr, Hans J.: *See—*
  - Hoederath, Wolfgang; Ahr, Hans J.; Buhner, Klaus; Hegasy, Ahmed; and Winter, Manfred, 4,842,856, Cl. 424-101.000.
- Ahr, Nicholas A., to Procter & Gamble Company, The. Absorbent garment having laterally displaceable fastening means. 4,826,49 5-2-89, Cl. 604-389.000.
- Ahrend-Cirkel B.V.: *See—*
  - Hansen, Eckhard, 4,804,227, Cl. 297-301.000.
- Ahrendt, Dieter: *See—*
  - Beck, Arnold; and Ahrendt, Dieter, 4,846,653, Cl. 425-131.500.
- Ahrens, Karl-Heinz; and Osthaus, Georg, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Process for continuous crystallization of dextrose monohydrate. 4,816,079, 3-28-89, Cl. 127-60.000.
- Ahrens, Kurt H.: *See—*
  - Schickaneder, Helmut; Grafe, Ingomar; and Ahrens, Kurt H., 4,816,455, Cl. 514-254.000.
  - Schickaneder, Helmut; Herter, Rolf; Vergin, Hartmut; Engler, Heidrun; and Ahrens, Kurt H., 4,833,141, Cl. 514-252.000.
- Ahrens, Max; and Haissig, Manfred, to Steel Casting Engineering, Ltd. Horizontal continuous casting mold. 4,799,533, 1-24-89, Cl. 164-137.000.
- Ahrens, Paul W., to Miracle Recreation Equipment Company. Playground slide. 4,811,943, 3-14-89, Cl. 272-56.50R.
- Ahrens, Thomas J.; and Tan, Hua, to California Institute of Technology. Shock consolidation of cubic boron nitride with whiskers of silicon compounds. 4,863,881, 9-5-89, Cl. 501-92.000.
- Ahrens, Uwe; and Drunk, Gerhard, to Edelhoff M.S.T.S. System for detecting the position of an object relative to a manipulator. 4,868,796, 9-19-89, Cl. 367-96.000.
- Ahrens, Werner: *See—*
  - Backhaus, Martin; Ahrens, Werner; and Lubcke, Hartmut, 4,811,336, Cl. 370-67.000.
- Ahrgal, Wayne J. Brush and small tree remover. 4,826,137, 5-2-89, Cl. 254-132.000.
- Ahrgren, Leif G.: *See—*
  - de Belder, Anthony N.; Ahrgren, Leif G.; and Malson, Tomas, 4,814,437, Cl. 536-18.700.
- Ahrin BV: *See—*
  - Breeuwer, Rene, 4,882,931, Cl. 73-189.000.
- Ahroni, Joseph M. Lampholders for miniature light sets. 4,807,098, 2-21-89, Cl. 362-249.000.
- Ahs, Wilgot, to Tocksfors Verkstads AB. Electronic switch. 4,868,530, 9-19-89, Cl. 335-207.000.
- Ai, Hideo: *See—*
  - Nakazaki, Nobuo; Ai, Hideo; and Miyao, Manabu, 4,839,261, Cl. 430-313.000.
- Ai, Minoru; Hiranuma, Kenji; Obana, Jinichi; and Ito, Toshio, to G-C Toshi Kogyo Corporation. Artificial teeth. 4,795,345, 1-3-89, Cl. 433-202.100.
- Aiba, Masaaki: *See—*
  - Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.
  - Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
  - Yamashita, Takashi; Shidara, Keiichi; Aiba, Masaaki; Takasaki, Yukio; and Hirai, Tadaaki, 4,860,093, Cl. 358-50.000.
- Aiba, Masahiko; and Mizuno, Yukio, to Sharp Kabushiki Kaisha. Controlling apparatus for laser diode. 4,878,225, 10-31-89, Cl. 372-38.000.
- Aiba, Noboru: *See—*
  - Ogawa, Kinya; Yamamoto, Akira; Aiba, Noboru; and Nagura, Shigehiro, 4,834,745, Cl. 604-890.100.
- Aiba, Yoshiro; Arakawa, Kazumi; Watanabe, Takashi; and Kawai, Kazuhide, to Toshiba Ceramics Co., Ltd. Casting nozzle. 4,857,488, 8-15-89, Cl. 501-89.000.
- Aibara, Yutaka: *See—*
  - Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
- Aica Kogyo Co., Ltd.: *See—*
  - Kamiya, Takashi; Suzuki, Masaya; Obata, Yoshinori; Watanabe, Masaaki; and Matsuoka, Isao, 4,871,596, Cl. 428-15.000.
- Aichele, William H.; Hopkins, James O., Jr.; and Krauskopf, Dale H., to EPCO Products, Inc. Braking control system for a trailer. 4,856,850, 8-15-89, Cl. 303-20.000.
- Aichelmann, Frederick J., Jr.; and Sollitto, Vincent F., Jr., to International Business Machines Corporation. Memory structure for nonsequential storage of block bytes in multi-bit chips. 4,796,222, 1-3-89, Cl. 364-900.000.
- Aichelmann, Frederick J., Jr.; Blumberg, Rex H.; Meltzer, David; Pomerene, James H.; Puzak, Thomas R.; Rechtschaffen, Rudolph N.; and Sparacio, Frank J., to International Business Machines Corporation. High speed buffer store arrangement for quick wide transfer of data. 4,823,259, 4-18-89, Cl. 364-200.000.
- Aichelmann, Frederick J., Jr.; and Bachman, Bruce E., to International Business Machines Corp. On-chip bit reordering structure. 4,845,664, 7-4-89, Cl. 364-900.000.
- Aicher, Max; Jungwirth, Dieter; Klein, Hans-Wilhelm; and Russwurm, Dieter, to Dyckerhoff & Widmann Aktiengesellschaft. Method for producing rolled steel products, particularly threaded steel tension members. 4,877,463, 10-31-89, Cl. 148-12.00B.
- Aichert, Hans; Stephan, Herbert; Stumpp, Hermann; Dietrich, Walter; and Kiessling, Michael, to Leybold Aktiengesellschaft. Melting furnace for producing strand-cast ingots in a protective gas atmosphere. 4,821,791, 4-18-89, Cl. 164-506.000.
- Aichert, Hans: *See—*
  - Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.

- Aichi Machine Industry Co., Ltd.: *See—*
  - Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, 4,838,215, Cl. 123-52.0MB.
- Aichi Steel Works, Ltd.: *See—*
  - Mizutani, Yoichi; Niimi, Yoshihiro; and Harada, Ikuo, 4,849,014, Cl. 75-10.650.
  - Ooki, Takao; and Eguchi, Jun, 4,802,918, Cl. 75-10.610.
  - Sagae, Takashi; and Kato, Takayuki, 4,857,829, Cl. 324-61.00R.
- Aichi Tokei Denki Co., Ltd.: *See—*
  - Amata, Yoshitaka, 4,795,267, Cl. 374-41.000.
  - Mochizuki, Tutomu, 4,856,345, Cl. 73-861.170.
- Aid, James D.; Din, Shahid Q.; and Hopping, Andrew D., to Baxter Travenol Laboratories, Inc. Closed loop pump control system. 4,821,761, 4-18-89, Cl. 137-101.210.
- Aid, James D.; Cameron, Norman F.; and Hartranft, Thomas P., to Baxter International Inc. Flow measurement system. 4,827,430, 5-2-89, Cl. 364-510.000.
- Aid, James D.: *See—*
  - Lindsay, Edward R.; Aid, James D.; and Cameron, Norman F., 4,828,693, Cl. 210-137.000.
- Aida, Akira; and Ikeda, Toshihiro, to Nippon Seiko Kabushiki Kaisha. Hydraulic lash adjuster. 4,840,153, 6-20-89, Cl. 123-90.550.
- Aida Engineering, Ltd.: *See—*
  - Imanishi, Shozo; and Sato, Mitsuo, 4,800,777, Cl. 74-604.000.
  - Imanishi, Shozo; and Sato, Mitsuo, 4,817,456, Cl. 74-604.000.
  - Shiga, Masakatsu; and Nakamura, Yuichi, 4,794,781, Cl. 72-455.000.
  - Shiga, Masakatsu; and Sugawara, Masayoshi, 4,846,014. Cl. 74-595.000.
- Aida, Fumio; Shinono, Takeo; Hanai, Misao; and Tassavori, Shahrzad, to Showa Electric Wire & Cable Co., Ltd. Crosslinked polyolefin insulated power cable. 4,801,766, 1-31-89, Cl. 174-120.0SC.
- Aida, Hiroshi: *See—*
  - Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 208-72.000.
- Aida, Mitsuo: *See—*
  - Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,804,922, Cl. 324-457.000.
  - Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,879,509, Cl. 324-108.000.
- Aida, Shunichi; Yagihara, Morio; Kishimoto, Shinzo; and Fujimoto, Hiroshi, to Fuji Photo Film Co., Ltd. Method of processing silver halide color photographic material using a reduced amount of replenisher. 4,849,324, 7-18-89, Cl. 430-445.000.
- Aida, Zenichi: *See—*
  - Nozaki, Hiroyoshi; Aida, Zenichi; Hara, Hirofumi; Satake, Toshihiko; Mitsuyoshi, Hiroshi; Arakawa, Masayasu; and Hatanaka, Koji, 4,822,647, Cl. 427-421.000.
- Aidlin Automation Corp.: *See—*
  - Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, 4,822,214, Cl. 406-86.000.
  - Aidlin, Samuel S.; Aidlin, Stephen H.; Bailey, Russell O.; and Myers, Ed, 4,873,410, Cl. 219-56.100.
  - Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, 4,886,567, Cl. 156-423.000.
  - Aidlin, Stephen H.; and Bailey, Russell, 4,802,569, Cl. 198-346.100.
- Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, to Aidlin Automation Corp. Air conveyor. 4,822,214, 4-18-89, Cl. 406-86.000.
- Aidlin, Samuel S.; Aidlin, Stephen H.; Bailey, Russell O.; and Myers, Ed, to Aidlin Automation Corp. Parallel gap welder. 4,873,410, 10-10-89, Cl. 219-56.100.
- Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, to Aidlin Automation Corp. Plastic composite bottles and method and apparatus for their fabrication. 4,886,567, 12-12-89, Cl. 156-423.000.
- Aidlin, Stephen H.; and Bailey, Russell, to Aidlin Automation Corp. Two station robotic welder. 4,802,569, 2-7-89, Cl. 198-346.100.
- Aidlin, Stephen H.; and Ledwith, Robert V. Bottle orientation apparatus and method. 4,844,233, 7-4-89, Cl. 198-394.000.
- Aidlin, Stephen H.: *See—*
  - Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, 4,822,214, Cl. 406-86.000.
  - Aidlin, Samuel S.; Aidlin, Stephen H.; Bailey, Russell O.; and Myers, Ed, 4,873,410, Cl. 219-56.100.
  - Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, 4,886,567, Cl. 156-423.000.
- Aidong, Jiang: *See—*
  - Chuangtian, Chen; Yicheng, Wu; Aidong, Jiang; Bochang, Wu; and Guming, You, 4,826,283, Cl. 350-96.120.
- Aiello, Louis L.: *See—*
  - Charnley, James E.; Cearley, James E.; Dixon, Robert C.; Izzo, Kenneth R.; and Aiello, Louis L., 4,853,176, Cl. 376-333.000.
- Aiello, Marc F.; and Grazulis, John J., to Aerotech, Inc. Single frequency adapter. 4,819,246, 4-4-89, Cl. 372-107.000.
- Aiello, Michael E., to Aerotech, Inc. Closed loop torque angle control of synchronous motor. 4,884,016, 11-28-89, Cl. 318-685.000.
- Aiello, Thomas. Talking alarm for openable compartment. 4,835,520, 5-30-89, Cl. 340-545.000.
- Aig, Edward R.; Coffey, John W.; Lovey, Allen J.; and Rosenberger, Michael, to Hoffmann-La Roche Inc. Phenyl substituted-2,4,6,8-nonatetraenoic acid. 4,883,613, 11-28-89, Cl. 260-408.000.

- Aig, Edward R.; Coffey, John W.; Lovey, Allen J.; and Rosenberger, Michael, to Hoffmann-La Roche Inc. Phenyl substituted-2,4,6,8-nonatetraenoic acid. 4,883,614, 11-28-89, Cl. 260-413.000.
- Aiga, Hiroshi: *See—*
  - Takuma, Keisuke; Kuroda, Sizuo; Oyama, Tsukasa; and Aiga, Hiroshi, 4,883,611, Cl. 552-235.000.
- Aiga, Tadao; and Kimura, Masoyoshi, to Kureha Chemical Industry Co., Limited. Method of arranging a form of processed meat. 4,883,677, 11-28-89, Cl. 426-420.000.
- Aigner, Johann: *See—*
  - Melde-Tuczai, Helmut; Aigner, Johann; and Skatsche, Othmar, 4,836,162, Cl. 123-321.000.
- Aigner, Robert K.: *See—*
  - Mahon, Joseph J.; and Aigner, Robert K., 4,827,460, Cl. 368-113.000.
  - Mahon, Joseph J.; and Aigner, Robert K., 4,856,096, Cl. 200-38.00C.
- Aignesberger, Alois; and Plank, Johann, to SKW Trostberg Aktiengesellschaft. Dispersant for concrete mixtures of high salt content. 4,818,288, 4-4-89, Cl. 106-90.000.
- Aigo, Seiichiro. Spin drier for semiconductor materials. 4,848,006, 7-18-89, Cl. 34-58.000.
- Aihara, Hironaka: *See—*
  - Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, 4,849,451, Cl. 514-530.000.
- Aihara, Katsuzo; Hara, Nobuhiro; Tada, Naofumi; Ogihara, Masahiro; Kouriki, Katsuo; and Suzuki, Yasuo, to Hitachi, Ltd. Superconducting switching device. 4,870,379, 9-26-89, Cl. 505-1.000.
- Aihara, Kenichi: *See—*
  - Chiba, Yoshio; Aihara, Kenichi; and Sudo, Fumihiko, 4,809,073, Cl. 358-213.130.
- Aihara, Kenji: *See—*
  - Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,834,345, Cl. 266-105.000.
  - Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,881,987, Cl. 148-12.00B.
- Aihara, Makoto: *See—*
  - Fukuoka, Hirotsugu; Kawakami, Kanji; Aihara, Makoto; Suda, Mitsuo; Takeshita, Kouji; and Isono, Yukihiro, 4,861,398, Cl. 156-64.000.
- Aihara, Masayo: *See—*
  - Iguchi, Seiya; Noguchi, Takeshi; Kimura, Hiroshi; and Aihara, Masayo, 4,800,160, Cl. 435-177.000.
- Aihara, Toshiharu, to Casio Computer Co., Ltd. Electronic wristwatch having dialing tone generator. 4,864,604, 9-5-89, Cl. 379-110.000.
- Aihara, Toshiharu, to Casio Computer Co., Ltd. Compact electronic apparatus with a refresh unit for a dynamic type memory. 4,881,205, 11-14-89, Cl. 365-222.000.
- Aihara, Toshihide: *See—*
  - Yokotsuka, Koki; Kushida, Tadae; Kanai, Yumiko; Aihara, Toshihide; Yajima, Mizuo; and Nakajima, Tomoyoshi, 4,820,520, Cl. 424-439.000.
- Aihara, Toshinori; and Sudo, Yukio, to Atsugi Motor Parts Company Limited. Variable-delivery vane-type rotary compressor. 4,859,154, 8-22-89, Cl. 417-295.000.
- Aihara, Tsutomu; Hirama, Yasuo; and Iwamoto, Hiroaki, to Ikeda Bussan Co., Ltd.; and Ohi Seisakusho Co., Ltd. Powered seat slide device. 4,805,866, 2-21-89, Cl. 248-429.000.
- Aihara, Tsutomu; and Muraishi, Masakazu, to Nissan Motor Co., Ltd.; and Ohi Seisakusho Co., Ltd. Seat slide device. 4,821,991, 4-18-89, Cl. 248-430.000.
- Aihara, Yoshihiko, to Canon Kabushiki Kaisha. Camera having autofocussing device. 4,829,331, 5-9-89, Cl. 354-400.000.
- Aihara, Yoshihiko: *See—*
  - Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,816,851, Cl. 354-173.100.
  - Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,864,336, Cl. 354-152.000.
  - Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,881,092, Cl. 354-152.000.
- Aikawa, Akira: *See—*
  - Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.
- Aikawa, Kiyoshi I.: *See—*
  - Wessling, Ritchie A.; Schmidt, Donald L.; and Aikawa, Kiyoshi I., 4,797,456, Cl. 525-531.000.
  - Wessling, Ritchie A.; Schmidt, Donald L.; and Aikawa, Kiyoshi I., 4,885,355, Cl. 528-99.000.
- Aikawa, Renji: *See—*
  - Morishita, Masataka; Aikawa, Renji; Katsuragi, Shigeo; Yamamoto, Yoshiaki; and Sugimoto, Kenichi, 4,873,087, Cl. 424-433.000.
- Aikawa, Shinichi, to Teac Corporation. Magnetic disk apparatus capable of writing at two different track densities. 4,853,799, 8-1-89, Cl. 360-48.000.
- Aikawa, Shinichi: *See—*
  - Enami, Katsuya; Kawamura, Sinobu; Nagase, Fumio; and Aikawa, Shinichi, 4,811,140, Cl. 360-104.000.
- Aikawa, Toyoshi; and Sekine, Eiichi, to Ichikoh Industries Ltd. Automotive mirror using electrochromic element. 4,878,743, 11-7-89, Cl. 350-357.000.
- Aikawa, Yukihiro: *See—*
  - Tada, Tomio; Hirobe, Junichi; Takamatsu, Junichi; Hori, Kazuto; and Aikawa, Yukihiro, 4,873,549, Cl. 355-206.000.
- Aiken Advanced Systems, Inc.: *See—*
  - Alderman, Chester T.; McDowell, Erin A.; and Farren, Edward R., 4,849,992, Cl. 375-94.000.
- Aiken, John C.: *See—*
  - More, Edward S.; and Aiken, John C., 4,839,634, Cl. 340-712.000.
- Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, to Hitachi, Ltd.; and Hitachi Tobu Semiconductor, Ltd. Photoelectric device with optical fiber and laser emitting chip. 4,803,361, 2-7-89, Cl. 250-227.000.
- Aiki, Kunio: *See—*
  - Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,834,492, Cl. 350-96.200.
  - Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,883,342, Cl. 350-320.000.
- Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Torque variation absorbing device. 4,857,032, 8-15-89, Cl. 464-68.000.
- Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Torque variation absorbing device. 4,876,917, 10-31-89, Cl. 74-574.000.
- Aikins, James A.: *See—*
  - Beck, James R.; Aikins, James A.; and Tao, Eddie V. P., 4,820,845, Cl. 548-378.000.
- Aikins, Warren A. Automatic whole and multiple tree firewood/hog fuel processor. 4,805,676, 2-21-89, Cl. 144-3.00K.
- Aikman, Collin D.: *See—*
  - Fulks, Bernard D.; Sawin, Steven P.; Aikman, Collin D.; and Jenkins, John M., III, 4,876,320, Cl. 526-62.000.
- Aikman, Floyd O.: *See—*
  - Balsavage, Walter; and Aikman, Floyd O., 4,825,743, Cl. 89-33.100
- Aikman, Robert E., Jr.: *See—*
  - Carl, William P.; Tasset, Emmett L.; and Aikman, Robert E., Jr. 4,859,745, Cl. 525-276.000.
- Aikman, Steven W.: *See—*
  - Nehmer, Carl A.; and Aikman, Steven W., 4,850,250, C 74-857.000.
- Aiko, Yasuyuki, to Canon Kabushiki Kaisha. Image recorder wit plural exposure surfaces. 4,864,420, 9-5-89, Cl. 358-302.000.
- AIL Corporation: *See—*
  - Bostwick, Norvan W., 4,889,092, Cl. 123-381.000.
  - Brisbon, Eric S.; and Krosney, Mark, 4,850,321, Cl. 123-372.000.
  - Day, Eric; and Field, John H., II, 4,831,983, Cl. 123-357.000.
  - Day, Eric; Aubin, Jean Paul; and Peyrot, Jan, 4,879,985, C 123-501.000.
  - Wich, Thomas J., 4,838,232, Cl. 123-506.000.
- Aileo, Jackson A.; Long, Richard J.; Zaccone, Joseph J.; and Pe truzella, James J., to Gentex Corporation. Dual-visor assembly fo helmet. 4,847,920, 7-18-89, Cl. 2-424.000.
- Aileo, Jackson A., to Gentex Corporation. Combination chinstrap napestrap assembly for helmet. 4,884,301, 12-5-89, Cl. 2-421.000.
- Ailey, Harrison A., Jr., to Acraloc Corporation. Butchering sa 4,813,102, 3-21-89, Cl. 17-23.000.
- Ailion, David C.; Case, Thomas A.; and Ganesan, Krishnamurthy, t University of Utah. Rapid line scan NMR imaging. 4,818,937, 4-4-8 Cl. 324-309.000.
- Ailler, Nikolaus: *See—*
  - Rossberger, Erwin; Weinmaier, Josef; and Ailler, Nikolau 4,830,801, Cl. 264-102.000.
- Aillon, Rene. Central venous pressure catheter and method for usin 4,798,588, 1-17-89, Cl. 604-122.000.
- Aim Instruments Ltd.: *See—*
  - Baldwyn, Einar D. N., 4,836,038, Cl. 73-864.210.
- Aime, Jean-Marc; Mention, Georges; and Thouzeau, Andre , to Cha bonnages de France. Polyurethane-carbohydrate-based substance which can be calendered to produce biodegradable materia 4,873,270, 10-10-89, Cl. 523-128.000.
- Aimoto, Hiroshi: *See—*
  - Matsuzawa, Toshio; Murakado, Toru; Aimoto, Hiroshi; Kita Shigetaka; and Yoshida, Nobuo, 4,844,321, Cl. 228-107.000.
- Aimpoint AB: *See—*
  - Jorlov, Richard; Nystrom, Lars; and Lewenhaupt, Sixte 4,804,858, Cl. 307-66.000.
- Aine, Harry E.: *See—*
  - Bell, William E., 4,821,279, Cl. 372-61.000.
- Ainslie, Benjamin J.; and Craig, Susan P., to British Telecommunic tions Public Limited Company. Preparation of glass fibre. 4,799,94 1-24-89, Cl. 65-3.120.
- Ainslie, Norman G.: *See—*
  - Master, Raj N.; Pittler, Marvin S.; Totta, Paul A.; Ainslie, Norma G.; and Palmateer, Paul H., 4,824,009, Cl. 228-124.000.
- Ainsworth, Kenneth M.; and Baker, Daniel G., to Tektronix, In Double display mode for differential gain. 4,864,386, 9-5-89, C 358-10.000.
- Ainsworth Nominees Pty. Limited: *See—*
  - Crouch, Philip C.; and Finnigan, Patrick J., 4,817,951, Cl. 27 143.00R.
- Ainsworth, Roger W.; Allen, John L.; and Kurtz, Anthony D., t Kulite Semiconductor Products, Inc. Methods for mounting comp nents on convoluted three-dimensional structures. 4,860,442, 8-29-8 Cl. 29-8.320.

- Aioi Seiki Kabushiki Kaisha: *See—*
  - Ichiro, Kitaura; Shuichi, Tamura; and Keitaro, Yonezawa, 4,830,337, Cl. 254-95.000.
- Aipperspach, Anthony G.; Dewanz, Douglas M.; and Fitzgerald, Joseph M., to International Business Machines Corporation. Macro structural arrangement and method for generating macros for VLSI semiconductor circuit devices. 4,849,904, 7-18-89, Cl. 364-489.000.
- Air Concepts, Inc.: *See—*
  - Brown, Carlton E.; and de Pagter, Pierre C., 4,872,400, Cl. 98-115.300.
- Air-Flo Mfg. Co. Inc.: *See—*
  - Musso, Charles S., Jr.; and Musso, Tom W., 4,886,214, Cl. 239-676.000.
- Air LB: *See—*
  - Lanchet, Lucien, 4,822,287, Cl. 439-76.000.
- Air-Lec Industries, Inc.: *See—*
  - Gregerson, Glen M.; Lunenschloss, John T.; Ebbott, Henry M.; and Beckeman, Raymond A., 4,887,954, Cl. 414-401.000.
- Air Liquid: *See—*
  - Claudet, Gerard; Dewanckel, Bernard; Ravex, Alain; and Reale, Serge, 4,840,032, Cl. 62-6.000.
- Air-Loc Schrepfer AG: *See—*
  - Schrepfer, Rudolf, 4,858,865, Cl. 248-188.200.
- Air-Lock, Incorporated: *See—*
  - MacKendrick, Robert R.; and McKeon, John J., 4,805,802, Cl. 222-5.000.
- Air Plus, Inc.: *See—*
  - Goode, Barry L., 4,797,962, Cl. 5-453.000.
- Air Powder Systems: *See—*
  - Brors, Kenneth A., 4,875,629, Cl. 241-39.000.
- Air Preheater Company, Inc., The: *See—*
  - Cox, William C.; Goetschius, Gary C.; and Casagrande, Mark T., 4,813,003, Cl. 364-557.000.
  - Goetschius, Gary C., 4,838,342, Cl. 165-10.000.
- Air Products and Chemicals, Inc.: *See—*
  - Adams, Joseph B.; Gaspar, James A.; and Stash, Paul J., 4,869,890, Cl. 423-392.000.
  - Agrawa, Rakesh; Auvil, Steven R.; and Wilson, Keith B., 4,883,519, Cl. 62-39.000.
  - Agrawal, Rakesh; Auvil, Steven R.; and Choe, Jung S., 4,817,392, Cl. 62-18.000.
  - Agrawal, Rakesh; and Auvil, Steven R., 4,834,956, Cl. 423-262.000.
  - Agrawal, Rakesh; and Auvil, Steven R., 4,872,893, Cl. 62-11.000.
  - Agrawal, Rakesh; Auvil, Steven R.; and Deeba, Michel, 4,876,377, Cl. 558-416.000.
  - Allam, Rodney J.; and Prentice, Alan L., 4,842,625, Cl. 62-22.000.
  - Andre, Robert S., 4,885,063, Cl. 203-73.000.
  - Andrew, Gary D.; Galla, Edward A.; and Ricci, Robert L., 4,797,240, Cl. 264-46.400.
  - Ayres, Calvin L., 4,834,785, Cl. 62-38.000.
  - Bailey, Webb I.; and Lileck, John T., 4,801,761, Cl. 570-130.000.
  - Bailey, Webb I.; Schweighardt, Frank K.; and Ayala, Varin, 4,827,053, Cl. 570-130.000.
  - Bailey, Webb I.; Schweighardt, Frank K.; and Ayala, Varin, 4,849,553, Cl. 570-130.000.
  - Bauman, Bernard D.; Ruprecht, David R.; Marsh, Paul D.; and Williams, Mark A., 4,800,053, Cl. 264-83.000.
  - Bauman, Bernard D.; Burdick, Patricia E.; and Mehta, Rajendra K., 4,833,205, Cl. 525-123.000.
  - Bauman, Bernard D., 4,880,879, Cl. 525-130.000.
  - Bennett, Douglas L.; Ludwig, Keith A.; Patrylak, Andrew J.; and Zabrenski, John, 4,813,988, Cl. 62-18.000.
  - Bennett, Douglas L.; Ludwig, Keith A.; Witmer, George S.; and Woods, Charles M., 4,836,836, Cl. 62-22.000.
  - Berrettini, Bruce J.; Bucci, Donald P.; and Hollopeter, Roy D., 4,805,672, Cl. 141-5.000.
  - Bertin, Robert; Miller, Michael B.; Moon, Burl M.; and Post, Robert C., 4,861,533, Cl. 264-81.000.
  - Brian, Barry W., 4,888,162, Cl. 423-574.00R.
  - Brown, Dennis M.; Hsiung, Thomas H.; Rao, Pradip; and Roberts, George W., 4,801,574, Cl. 502-342.000.
  - Burgoyne, William F., Jr.; Casey, Jeremiah P.; Dixon, Dale D.; and Milligan, Barton, 4,816,543, Cl. 528-64.000.
  - Burgoyne, William F., Jr.; and Dixon, Dale D., 4,845,283, Cl. 560-359.000.
  - Burgoyne, William F., Jr.; and Dixon, Dale D., 4,845,291, Cl. 564-307.000.
  - Cabrera, Alejandro L.; Kirner, John F.; Miller, Robert A.; Pierantozzi, Ronald; and Armor, John N., 4,822,642, Cl. 427-255.100.
  - Cabrera, Alejandro L.; Kirner, John F.; and Pierantozzi, Ronald, 4,869,929, Cl. 427-249.000.
  - Carlin, Richard T.; and Dunbobbin, Brian R., 4,800,070, Cl. 423-210.500.
  - Casey, Jeremiah P.; Clift, Susan M.; and Milligan, Barton, 4,810,769, Cl. 528-64.000.
  - Cook, Philip J., 4,846,862, Cl. 62-9.000.
  - DiMartino, Stephen P., 4,857,083, Cl. 55-26.000.
  - DiMartino, Stephen P., Sr.; Hopkins, Jeffrey A.; and Davis, Ruth A., 4,857,082, Cl. 55-16.000.
  - DiStefano, Frank V., 4,859,527, Cl. 428-288.000.
  - Famili, Amir; Marten, Finn L.; and Mohanty, Dillip K., 4,851,472, Cl. 525-60.000.
  - Fioravanti, Kenneth J.; Kern, David W.; and Stelts, Philip D., 4,869,749, Cl. 75-58.000.
  - Fowlkes, Robert L.; Forester, Lewis S.; and Cooper, George D., 4,868,335, Cl. 564-497.000.
  - Garg, Diwakar; Dyer, Paul N.; Schaffer, Leslie E.; Wrecsics, Ernest L.; Dimos, Duane; and Mueller, Carl F., 4,855,188, Cl. 428-627.000.
  - Garg, Diwakar; Dyer, Paul N.; and Dimos, Duane, 4,873,152, Cl. 428-627.000.
  - Garg, Diwaker; Klucher, Beth A.; Dyer, Paul N.; Kidd, Richard W.; and Ceccarelli, Christopher, 4,874,642, Cl. 427-249.000.
  - Goldstein, Joel E., 4,814,226, Cl. 428-288.000.
  - Goldstein, Joel E.; Iacoviello, John G.; Hawn, Gary G.; and Cook, Gerald R., 4,844,970, Cl. 428-198.000.
  - Graf, Hans-Juergen; Fletcher, Robert E.; Randtke, Peter T.; Rhine, Bruce E.; and Monkowski, J. R., 4,842,827, Cl. 422-112.000.
  - Graf, Hans-Juergen, 4,886,178, Cl. 215-247.000.
  - Guro, David E.; Bushinsky, Joseph P.; and Nicholas, David M., 4,846,851, Cl. 55-26.000.
  - Hegarty, William P., 4,826,670, Cl. 423-574.00R.
  - Hoffman, Gregory C.; Logan, Mark A.; and Carman, Justice N., 4,845,366, Cl. 250-425.000.
  - Howard, Lee J., 4,832,830, Cl. 208-351.000.
  - Howard, Richard E.; and Keene, Joseph P., 4,851,821, Cl. 340-624.000.
  - Howells, Roger A.; Stoner, George H.; and Stockunas, Joseph, 4,880,162, Cl. 239-406.000.
  - Jarrett, Jawrence P., 4,872,482, Cl. 137-554.000.
  - Kearns, John J.; Tremblay, Paul A.; Robey, Raymond J.; and Sunder, Swaminathan, 4,814,111, Cl. 260-403.000.
  - Kiczek, Edward F., 4,866,950, Cl. 62-374.000.
  - Kimock, Fred M.; and Phillips, John H., 4,855,594, Cl. 250-282.000.
  - Klee, David J., 4,800,728, Cl. 62-63.000.
  - Klee, David J., 4,866,946, Cl. 62-63.000.
  - Kramer, Daniel P.; Santangelo, Joseph G.; and Weber, James J., 4,814,370, Cl. 524-391.000.
  - Kramer, Daniel P.; Santangelo, Joseph G.; and Weber, James J., 4,882,110, Cl. 264-63.000.
  - Kuphal, Jeffrey A.; Robeson, Lloyd M.; and Weber, James J., 4,874,030, Cl. 164-34.000.
  - Lagendijk, Andre; and Riahi, Shantia, 4,851,255, Cl. 427-38.000.
  - Lai, Ta-Wang; and Vijayendran, Bheema R., 4,795,770, Cl. 524-5.000.
  - Lai, Ta-Wang; and Vijayendran, Bheema R., 4,798,871, Cl. 525-328.200.
  - Lai, Ta-Wang; and Vijayendran, Bheema R., 4,804,793, Cl. 574-445.000.
  - Lai, Ta-Wang; and Vijayendran, Bheema R., 4,828,725, Cl. 252-8.551.
  - Lai, Ta-Wang; and Vijayendran, Bheema R., 4,843,118, Cl. 524-555.000.
  - Lambertsen, Christian J.; and Santangelo, Joseph G., 4,807,706, Cl. 169-45.000.
  - Langsam, Michael, 4,808,679, Cl. 526-126.000.
  - Langsam, Michael, 4,835,229, Cl. 526-147.000.
  - Langsam, Michael; Puri, Pushpinder S.; Anand, Madhu; and Laciak, Daniel V., 4,859,215, Cl. 55-16.000.
  - Lipisko, Bruce A.; Schumacher, John C.; Howard, Richard E.; Randtke, Peter T.; Sandu, Adrian; Fletcher, Robert E.; and Graf, Hans-Juergen, 4,859,375, Cl. 261-20.000.
  - Marsella, John A., 4,855,425, Cl. 544-78.000.
  - Marten, Finn L.; and Famili, Amir, 4,797,127, Cl. 8-115.600.
  - Marten, Finn L., 4,844,709, Cl. 8-115.600.
  - Marten, Finn L., 4,845,140, Cl. 524-245.000.
  - Mattiola, Paul A.; and Ommeren, James V., 4,856,284, Cl. 62-55.000.
  - Mattiola, Paul A.; and Van Ommeren, James, 4,881,374, Cl. 62-50.600.
  - Mattiola, Paul A.; and VanOmmeren, James, 4,881,375, Cl. 62-50.600.
  - McGuinness, Roger M.; and Cilen, Nellie, 4,869,741, Cl. 62-24.000.
  - Mehta, Rajendra K., 4,880,675, Cl. 428-35.700.
  - Milligan, Barton; and Libers, Roland, 4,885,356, Cl. 528-340.000.
  - Mullen, Walter T., 4,857,282, Cl. 423-207.000.
  - Ness, Leif A., 4,878,350, Cl. 62-50.100.
  - Newton, Charles L., 4,809,154, Cl. 364-148.000.
  - Nicholas, David M.; Goff, Stephen P.; Roden, Thomas M.; and Bushinsky, Joseph P., 4,836,833, Cl. 55-16.000.
  - Nicholas, David M.; Hopkins, Jeffrey A.; and Bushinsky, Joseph P., 4,861,351, Cl. 55-23.000.
  - Nordquist, Andrew F.; and Pierantozzi, Ronald, 4,801,751, Cl. 564-305.000.
  - Norman, John A. T.; and Stevens, Robert E., 4,845,254, Cl. 556-41.000.
  - Norman, John A. T.; and Stevens, Robert E., 4,877,425, Cl. 55-68.000.
  - Patel, Nitin M.; and Wang, Shoou-I, 4,886,651, Cl. 423-359.000.
  - Pierantozzi, Ronald, 4,851,579, Cl. 564-409.000.
  - Pinschmidt, Robert K., Jr.; Dixon, Dale D.; and Burgoyne, William F., Jr., 4,864,055, Cl. 560-160.000.
  - Post, Robert C.; Bordelon, Kevin N.; and Moon, Burl M., 4,823,736, Cl. 118-730.000.
  - Puri, Pushpinder S., 4,837,386, Cl. 204-157.610.
  - Puri, Pushpinder S., 4,863,761, Cl. 427-175.000.
  - Riahi, Shantia, 4,855,604, Cl. 250-492.200.
  - Roberts, George W.; Sircar, Shivaji; and Stepanoff, Paul, 4,859,434, Cl. 423-219.000.
  - Roberts, George W.; Sircar, Shivaji; and Stepanoff, Paul, 4,859,435, Cl. 423-219.000.

  - Schmidt, William P.; Kumar, Ravi; and Abel, Alan D., 4,813,977, Cl. 55-26.000.
  - Schweighardt, Frank K.; and Rubertone, Joseph A., 4,838,274, Cl. 128-654.000.
  - Schweighardt, Frank K., 4,866,096, Cl. 514-756.000.
  - Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Graybill, John K.; and Lutz, Eugene G., 4,873,315, Cl. 570-130.000.
  - Schweighardt, Frank K.; and Bailey, Webb I., 4,881,682, Cl. 228-242.000.
  - Shah, Virendra V., 4,878,948, Cl. 106-90.000.
  - Sircar, Shivaji, 4,813,980, Cl. 55-26.000.
  - Spector, Marshall, 4,802,905, Cl. 71-68.000.
  - Stuber, Wayne G.; and Kovak, Kenneth W., 4,843,829, Cl. 62-54.200.
  - Takahashi, Akio; Petrella, Robert G.; and Schwartz, Joel, 4,859,774, Cl. 544-251.000.
  - Tang, Man-Wing; King, William M.; and Wensley, C. Glen, 4,855,048, Cl. 210-500.300.
  - Taylor, Denise B.; and Milligan, Barton, 4,831,146, Cl. 546-242.000.
  - Thorogood, Robert M.; and Roden, Thomas M., 4,848,996, Cl. 62-39.000.
  - Thorogood, Robert M.; Roden, Thomas M.; and Hopkins, Jeffrey A., 4,867,773, Cl. 62-39.000.
  - Thorogood, Robert M.; and Roden, Thomas M., 4,869,742, Cl. 62-32.000.
  - Thorogood, Robert M.; and Kleinberg, William T., 4,869,883, Cl. 423-219.000.
  - Thorogood, Robert M.; Bennett, Douglas L.; Allam, Rodney J.; Prentice, Alan L.; and Dawson, Bruce K., 4,871,382, Cl. 62-18.000.
  - VanOmmeren, James, 4,887,257, Cl. 141-1.000.
  - Varghese, Alexander P.; and Herring, Robert H., 4,877,153, Cl. 220-469.000.
  - Wang, Shoou-I; and Koch, William R., 4,869,894, Cl. 423-650.000.
  - White, James F.; and Hsiung, Thomas H., 4,829,039, Cl. 502-152.000.
  - Young, Philip J., 4,864,943, Cl. 110-261.000.
  - Zabrenski, John S., 4,840,195, Cl. 137-312.000.
- Air Sec: *See—*
  - Lancesseur, Francois; and Mandin, Claude, 4,805,789, Cl. 215-6.000.
- Air-Shields, Inc.: *See—*
  - Vaccaro, Robert K., 4,885,918, Cl. 600-22.000.
- Air Stamping, Inc.: *See—*
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- Air-Vac Engineering Company, Inc.: *See—*
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- Air-Vend, Inc.: *See—*
  - Jurek, Richard D., 4,823,570, Cl. 70-129.000.
- Air-Zermatt AG.: *See—*
  - Vuichard, Claude, 4,870,412, Cl. 340-946.000.
- Airaghi, Attilio: *See—*
  - Bona, Alfredo D.; and Airaghi, Attilio, 4,796,927, Cl. 285-190.000.
- Airaghi, Cesare. Rigid structure for engaging preferably closed rope ends. 4,807,332, 2-28-89, Cl. 24-129.00R.
- Airax: *See—*
  - Dony, Dominique; and Jaillet, Andre, 4,871,149, Cl. 267-64.120.
- Airborne Research Associates, Inc.: *See—*
  - Markson, Ralph; Warwick, James W.; and Uhlir, Arthur, Jr., 4,801,942, Cl. 342-460.000.
- Aircap Industries Corp.: *See—*
  - Rush, Robert W., Jr.; and Huizenga, Michael K., 4,857,681, Cl. 200-61.850.
- Aircraft Parts Corp.: *See—*
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- Airelle Industries, Inc.: *See—*
  - Frey, Marshall; and Scheuer, Thomas, 4,801,213, Cl. 383-3.000.
- Airey, James J.: *See—*
  - Roberts, Peter R.; Airey, James J.; Blout, James E.; and Airey, Joseph J., 4,824,478, Cl. 75-0.50C.
- Airey, Joseph J.: *See—*
  - Roberts, Peter R.; Airey, James J.; Blout, James E.; and Airey, Joseph J., 4,824,478, Cl. 75-0.50C.
- Airey, Peter J.; and Doremus, Bernard, to Schlumberger Technology Corporation. Locking device for securing a tool in a well conduit. 4,844,159, 7-4-89, Cl. 166-214.000.
- Airflex Containers Limited: *See—*
  - Clements, Harold J., 4,867,314, Cl. 206-524.800.
- Airflow Company: *See—*
  - Inglis, Robert S.; and Thomas, Owen, 4,805,317, Cl. 34-1.000.
- Airfoil Textron Inc.: *See—*
  - Doble, Gordon S., 4,815,939, Cl. 416-233.000.
  - Hinman, Edmund R.; and Jack, Richard A., 4,797,189, Cl. 204-224.00M.
  - Spain, Raymond G., 4,885,973, Cl. 87-1.000.
- Airhart, Tom P., to Atlantic Richfield Company. Amphibious seismic source. 4,799,572, 1-24-89, Cl. 181-114.000.
- Airhart, Tom P., to Atlantic Richfield Company. Three-component three-dimensional seismic data acquisition. 4,803,669, 2-7-89, Cl. 367-72.000.
- Airhart, Tom P., to Atlantic Refining Company. Baseplate assembly for seismic wave generator. 4,804,062, 2-14-89, Cl. 181-121.000.
- Airhart, Tom P., to Atlantic Richfield Company. Telescoping actuator for impulsive seismic source. 4,819,759, 4-11-89, Cl. 181-121.000.
- Airhart, Tom P., to Atlantic Richfield Company. Vibratory seismic source. 4,848,512, 7-18-89, Cl. 181-114.000.
- Airhart, Tom P., to Atlantic Richfield Company. Transducer for inducing seismic signals into an elastic medium. 4,875,544, 10-24-89, Cl. 181-113.000.
- Airmar Technology Corporation: *See—*
  - Boucher, Stephen G.; Lins, Christopher S.; and Simoneau, Michael J., 4,815,048, Cl. 367-173.000.
  - Boucher, Stephen G., 4,836,020, Cl. 73-187.000.
  - Boucher, Stephen G., 4,850,559, Cl. 248-286.000.
- Airmaster Fan Company: *See—*
  - Breining, Frank E., 4,861,230, Cl. 416-247.00R.
  - Robb, Neil E., 4,826,405, Cl. 416-204.00R.
- Airola, Gary. Apparatus for containing multiple doses of a pharmaceutical product. 4,815,606, 3-28-89, Cl. 206-532.000.
- Airpax Corporation: *See—*
  - Harper, George S., 4,882,557, Cl. 335-9.000.
  - Harper, George S., 4,885,558, Cl. 335-8.000.
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- AirSensors, Inc.: *See—*
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- AirSep Corporation: *See—*
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- Airspray International B.V.: *See—*
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- Airsystems Inc.: *See—*
  - Day, James R.; and Lemaster, Milton R., 4,809,606, Cl 101-148.000.
  - Lemaster, Milton R.; and Kemp, Norman H., 4,887,533, Cl 101-492.000.
- Airtech Company, Inc.: *See—*
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  - Schmoeger, Duane A., 4,882,992, Cl. 101-424.100.
- Airway Industries, Inc.: *See—*
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- Airxchange, Inc.: *See—*
  - Hoagland, Lawrence C.; and Steele, Donald F., 4,825,936, C 165-8.000.
  - Steele, Donald F.; Hoagland, Lawrence C.; Kyricos, Christophe and Tolan, Peter, 4,875,520, Cl. 165-10.000.
- Airy, James F.; and Kadavy, Thomas D., to Soma Dynamics Corpor tion. Wearable apparatus for exercising body joints. 4,801,13 1-31-89, Cl. 272-130.000.
- Aisa, Junzo; and Kosugi, Eizi, to Ishikawa Tekko Kabushiki Kaish Drain bolt. 4,810,148, 3-7-89, Cl. 411-383.000.
- Aisa, Junzo; and Kosugi, Eizi, to Ishikawa Tekko Kabushiki Kaish Iron powder attracting magnet. 4,857,188, 8-15-89, Cl. 210-222.00
- Aisaka, Tatsuyoshi: *See—*
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- Aisan Industry Co., Ltd.: *See—*
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  - Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshig Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanak Akira, 4,872,439, Cl. 123-518.000.
- Aisan Kogyo Kabushiki: *See—*
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- Aisan Kogyo Kabushiki Kaisha: *See—*
  - Haruta, Kazumi; and Yamada, Yutaka, 4,836,172, Cl. 123-520.00
  - Ito, Shoji; and Minoura, Mikio, 4,798,188, Cl. 123-478.000.
  - Kamiya, Norikazu; and Murai, Katsumi, 4,888,585, Cl. 340-825.34
  - Katumata, Shoji; and Kondo, Shunichi, 4,811,720, Cl. 123-527.00
  - Kozawa, Tadashi; Natsume, Naohiro; Komatsubara, Hirofum Takaku, Yasunori; Kato, Kiyoshi; and Harada, Seiichi, 4,854,83 Cl. 417-365.000.
  - Mineyama, Katsumi, 4,825,112, Cl. 310-71.000.
  - Suda, Koichi; and Sugi, Fumio, 4,822,532, Cl. 261-65.000.
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  - Yamada, Yutaka; Kozawa, Tadashi; Natsume, Naohiro; an Komatsubara, Hirofumi, 4,872,806, Cl. 415-55.500.
- Aisen Seiki Kabushiki Kaisha: *See—*
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- Aisin AW Co., Ltd.: *See—*
  - Ando, Masahiko; Hayakawa, Youichi; Nishida, Masaaki; a Yamada, Toshihiro, 4,864,892, Cl. 74-760.000.
  - Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kub Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harad Yoshihara, 4,875,665, Cl. 267-170.000.
  - Kobayashi, Kouji; Miki, Nobuaki; and Suzuki, Akira, 4,838,313, C 137-625.650.
  - Kobayashi, Kouji; Suzuki, Akira; and Miki, Nobuaki, 4,838,518, C 251-129.160.
  - Miki, Nobuaki; Suzuki, Akira; and Kobayashi, Kouji, 4,838,517, C 251-129.160.
  - Nimura, Mitsuhiro; and Yokoyama, Shoji, 4,882,696, C 364-449.000.
  - Yamada, Yoshihiro; Shirai, Ryoichi; and Hayakawa, Youich 4,889,621, Cl. 210-168.000.
- Aisin-Aw Kabushiki Kaisha: *See—*
  - Sakakibara, Shiro; Miyaishi, Yoshinori; and Kano, Yoshi 4,878,887, Cl. 474-245.000.
- Aisin Keikinzoku Kabushiki Kaisha: *See—*
  - Masuda, Mitsuyoshi; Fukura, Kenichi; Kadoike, Katsuaki; and Nishikawa, Kazuhiro, 4,830,428, Cl. 296-219.000.
- Aisin Seiki Co., Ltd.: *See—*
  - Ishida, Keiichi; and Harada, Kuniyoshi, 4,807,931, Cl. 297-284.000.
  - Nezu, Shinji, 4,837,407, Cl. 174-68.500.
  - Nohtomi, Hiroshi, 4,796,091, Cl. 358-256.000.
  - Speiser, Josef, 4,842,494, Cl. 417-364.000.
- Aisin Seiki Kabushiki Kaisha: *See—*
  - Adachi, Naomichi, 4,813,523, Cl. 192-106.200.
  - Adachi, Yoshiharu; Nishimura, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, 4,800,289, Cl. 303-119.000.
  - Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,857,032, Cl. 464-68.000.
  - Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,876,917, Cl. 74-574.000.
  - Ando, Tsukasa; and Hagino, Seiichiro, 4,817,542, Cl. 112-121.110.
  - Andou, Masayasu; and Tajima, Ichiro, 4,885,218, Cl. 429-53.000.
  - Aoki, Kohji; and Tomio, Yasuda, 4,805,723, Cl. 180-289.000.
  - Aoki, Kohji; Yasuda, Tomio; Masanori, Sugiyama; and Osamu, Komazawa, 4,885,566, Cl. 340-457.100.
  - Aoki, Kongoh; and Kano, Junichi, 4,805,472, Cl. 74-335.000.
  - Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, 4,796,151, Cl. 361-171.000.
  - Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, 4,884,207, Cl. 364-431.030.
  - Fukami, Masanobu; and Sakakibara, Naoji, 4,809,173, Cl. 364-424.050.
  - Fukuhara, Yuichi; and Ikeda, Tetsuo, 4,852,709, Cl. 192-53.00F.
  - Fukura, Kenichi; Hiramatsu, Eiji; and Nishimura, Akira, 4,796,164, Cl. 362-66.000.
  - Furuta, Youichi; Ando, Masamoto; Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,838,621, Cl. 303-115.000.
  - Goto, Hisaharu, 4,834,006, Cl. 112-103.000.
  - Goto, Kouji; and Noda, Syuji, 4,862,056, Cl. 323-275.000.
  - Hachisuka, Hiroshi, 4,803,913, Cl. 91-371.000.
  - Harada, Shintaro; and Shiroshita, Yoshihira, 4,815,533, Cl. 165-159.000.
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,828,084, Cl. 192-3.300.
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,843,909, Cl. 74-752.00C.
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,870,877, Cl. 74-869.000.
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,880,091, Cl. 192-3.300.
  - Hashimoto, Akio; and Naito, Hiroshi, 4,865,143, Cl. 180-79.100.
  - Hashimoto, Kenji, 4,828,220, Cl. 251-129.060.
  - Hashimoto, Kenji; and Miura, Yasushi, 4,832,313, Cl. 251-129.070.
  - Hattori, Takemi; and Kume, Hirofumi, 4,811,986, Cl. 297-284.000.
  - Hayakawa, Shigeru; Shiraishi, Daiichi; and Murakami, Hisakazu, 4,854,617, Cl. 292-216.000.
  - Hida, Tsuneo; Takizawa, Sumio; Ishii, Hakumi; Kegasa, Hideo; and Izawa, Minoru, 4,881,020, Cl. 318-626.000.
  - Hirashiba, Yuji; and Yoshihara, Mikio, 4,829,606, Cl. 4-420.400.
  - Hosoda, Tomohiko; Nakanishi, Nobuyasu; Shibata, Hirochika; and Saito, Tadao, 4,870,390, Cl. 340-453.000.
  - Imaizumi, Tomoaki; Kawai, Taneichi; Nishida, Kouji; and Murakami, Yuuichi, 4,860,002, Cl. 340-825.310.
  - Inada, Masami; Haramura, Shigenori; Hayakawa, Seiji; and Matsuoka, Sadayuki, 4,805,689, Cl. 165-29.000.
  - Inagaki, Akio; and Shimomura, Masuo, 4,823,434, Cl. 16-115.000.
  - Inagaki, Akio; Nakai, Kiyotaka; and Tauchi, Hitoshi, 4,849,048, Cl. 156-275.500.
  - Inagaki, Toshiyuki; and Maeda, Hiroaki, 4,860,873, Cl. 192-113.00B.
  - Ishida, Keiichi; and Terada, Takami, 4,830,434, Cl. 297-408.000.
  - Ishii, Minoru, 4,844,545, Cl. 297-410.000.
  - Ishikawa, Fujio; Sumiya, Hitoshi; Oyabu, Motonobu; and Fukuda, Hideyuki, 4,845,824, Cl. 29 243.570.
  - Ishikawa, Hitoshi, 4,875,422, Cl. 112-258.000.
  - Ishikawa, Kazuo; and Nishi, Yoshinori, 4,811,827, Cl. 192-0.076.
  - Isomura, Yukio, 4,838,590, Cl. 292-336.300.
  - Isono, Nobuyuki, 4,829,435, Cl. 364-424.100.
  - Isshiki, Naotsugu, 4,821,516, Cl. 60-517.000.
  - Itakura, Masato, 4,862,955, Cl. 165-155.000.
  - Ito, Sadao, 4,887,017, Cl. 318-626.000.
  - Ito, Shoji, 4,807,656, Cl. 137-43.000.
  - Iwasaki, Eiji; and Isomura, Yukio, 4,842,312, Cl. 292-336.300.
  - Kagiyama, Junji; Kobayashi, Kiyonori; and Kamiya, Masakazu, 4,850,932, Cl. 464-68.000.
  - Kano, Junichi; and Aoki, Kongo, 4,858,716, Cl. 180-233.000.
  - Kano, Junichi; and Aoki, Kongoh, 4,862,989, Cl. 180-247.000.
  - Kantrowitz, Adrian; Freed, Paul S.; Tachi, Hiroyuki; and Suzuki, Akira, 4,809,681, Cl. 600-17.000.
  - Karnopp, Dean C.; and Yasui, Yoshiyuki, 4,852,699, Cl. 188-72.200.
  - Kato, Yukihiro; Ishii, Masami; Yabuno, Ryohei; and Oka, Tetsuo, 4,876,893, Cl. 73-726.000.
  - Katsuo, Suzuki, 4,873,526, Cl. 342-359.000
  - Kawabata, Yasuhiro; and Hara, Soichi, 4,870,733, Cl. 29-156.50R.
  - Kawai, Shunichi, 4,821,607, Cl. 74-866.000.
  - Kawai, Shunichi, 4,825,831, Cl. 123-360.000.
  - Kawai, Taneichi; Yasuda, Tomio; and Aoki, Kohji, 4,876,649, Cl. 364-424.050.
  - Kawakami, Toshiro, 4,813,857, Cl. 418-104.000.
  - Kawasumi, Satoshi; Sugiura, Yuzuru; Kondo, Hiroyuki; Miwa, Akihiko; and Suzuki, Kazuhiko, 4,856,412, Cl. 91-369.200.
  - Kawata, Shouji; Miyake, Osamu; and Suzumura, Nobuyasu, 4,845,621, Cl. 364-426.040.
  - Kazaoka, Kenichi; and Okazaki, Hiroshi, 4,850,644, Cl. 297-325.000.
  - Kimura, Junzo; and Nakao, Toshiyuki, 4,878,400, Cl. 74-715.000.
  - Kinbara, Minoru; and Toyoda, Hiroaki, 4,828,455, Cl. 415-131.000.
  - Kito, Masahiro; Mori, Katsuhiro; and Mitsumoto, Takashi, 4,798,242, Cl. 165-103.000.
  - Kobayashi, Kiyonori; Kamiya, Masakazu; Kagiyama, Junji; and Hyodo, Motoi, 4,887,485, Cl. 74-574.000.
  - Kobayashi, Toshihiro, 4,848,157, Cl. 73-517.00R.
  - Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,861,323, Cl. 474-260.000.
  - Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,883,448, Cl. 474-260.000.
  - Kojima, Fumio; Tachiiri, Yoshikazu; and Kato, Yoshihisa, 4,874,174, Cl. 285-82.000.
  - Kondo, Hitoshi; and Hata, Koichi, 4,824,454, Cl. 62-37.000.
  - Kondo, Kohichi, 4,831,532, Cl. 364-426.020.
  - Kondo, Toshio, 4,865,163, Cl. 188-73.370.
  - Kondo, Toshio, 4,878,564, Cl. 188-73.310.
  - Kondo, Toshio, 4,881,623, Cl. 188-73.380.
  - Koori, Yasuo; and Mitsui, Tsutomu, 4,800,497, Cl. 364-424.100.
  - Kori, Yasuo, 4,804,074, Cl. 192-0.044.
  - Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, 4,821,011, Cl. 338-4.000.
  - Kuno, Shozo, 4,830,162, Cl. 192-98.000.
  - Kuromitsu, Hiromu; Nakanishi, Nobuyasu; Shirai, Akira; and Noguchi, Noboru, 4,840,544, Cl. 417-254.000.
  - Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,834,468, Cl. 303-116.000.
  - Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,842,344, Cl. 303-117.000.
  - Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,846,535, Cl. 303-117.000.
  - Maeda, Hiroaki; and Nakamura, Masahiko, 4,885,960, Cl. 74-866.000.
  - Margolis, Donald L.; and Yasui, Yoshiyuki, 4,844,428, Cl. 267-64.210.
  - Masuda, Mitsuyoshi; Fukura, Kenichi; Kadoike, Katsuaki; and Nishikawa, Kazuhiro, 4,830,428, Cl. 296-219.000.
  - Matsui, Hideo; Yamaguchi, Yuji; and Furukawa, Hideki, 4,841,582, Cl. 4-420.100.
  - Minamoto, Naoki; and Isobe, Takuya, 4,823,754, Cl. 123-470.000.
  - Misawa, Hideo; and Mita, Hideo, 4,845,953, Cl. 62-6.000.
  - Miura, Yasushi; and Hashimoto, Kenji, 4,830,332, Cl. 251-129.070.
  - Mizuno, Genji; Nishii, Michiharu; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,848,853, Cl. 303-110.000.
  - Mochizuki, Masahiro, 4,883,041, Cl. 123-564.000.
  - Mori, Keiji, 4,852,422, Cl. 74-502.600.
  - Murakami, Yuichi; and Ieda, Kiyokazu, 4,853,703, Cl. 343-700.0MS.
  - Mushika, Sadahiko, 4,794,910, Cl. 600-18.000.
  - Mushika, Sadahiko, 4,796,606, Cl. 600-18.000.
  - Nagata, Kazuhisa, 4,805,958, Cl. 296-216.000.
  - Naito, Hiroshi, 4,798,253, Cl. 180-79.100.
  - Naito, Yoshihiro, 4,881,372, Cl. 60-521.000.
  - Nakamura, Mamoru, 4,805,871, Cl. 251-129.170.
  - Nakamura, Ryuji, 4,880,095, Cl. 192-58.00B.
  - Nakashima, Hiroshi; Sakakibara, Naoji; and Fushimi, Takehiko, 4,881,611, Cl. 180-79.100.
  - Nishii, Michiharu; and Sugiura, Yuzuru, 4,794,850, Cl. 92-168.000.
  - Nishii, Michiharu, 4,800,799, Cl. 91-369.200.
  - Nishii, Michiharu, 4,803,912, Cl. 91-369.200.
  - Nishii, Michiharu, 4,859,004, Cl. 303-119.000.
  - Nishii, Michiharu, 4,869,560, Cl. 303-114.000.
  - Nishii, Michiharu; Ando, Masamoto; and Tada, Yoshihiko, 4,874,207, Cl. 303-52.000.
  - Nishii, Michiharu; Mizuno, Genji; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,887,869, Cl. 303-114.000.
  - Nishikawa, Kazuhiro; Kikuchi, Masakatsu; and Shimomura, Masuo, 4,826,239, Cl. 296-218.000.
  - Nishikawa, Masumi; Ishikawa, Masanobu; and Watanabe, Hiroshi, 4,819,498, Cl. 74-493.000.
  - Nishikawa, Masumi; and Ishikawa, Masanobu, 4,876,910, Cl. 74-493.000.
  - Ochiai, Chiaki, 4,858,437, Cl. 60-562.000.
  - Ochiai, Hironori; Suzuki, Etsuo; and Ikuta, Kazuo, 4,874,202, Cl. 296-222.000.
  - Ogasawara, Shinji; Isomura, Yukio; and Okudaira, Souichiro, 4,858,973, Cl. 292-347.000.
  - Ohara, Mitsuhiro; and Kaneko, Kenichi, 4,841,583, Cl. 4-420.400.
  - Oka, Hiroki; and Nagura, Nobuyoshi, 4,876,527, Cl. 340-441.000.
  - Okabe, Yoshio; Arai, Fumio; and Kodama, Hisashi, 4,798,180, Cl. 123-90.580.
  - Okabe, Yoshio; Kobayashi, Yukimori; Ishikawa, Makoto; Kamiya, Tamotsu; and Atsumi, Tomiaki, 4,798,563, Cl. 474-110.000.
  - Okumura, Nobuo, 4,825,660, Cl. 62-6.000.

- Shimei, Masato; Goto, Shigeki; and Takahashi, Shigeo, 4,799,404, Cl. 74-869.000.
- Shirai, Eiji; Okabe, Yoshio; and Kobayashi, Yukimori, 4,858,572, Cl. 123-90.120.
- Sugiura, Yuzuru; and Miwa, Akihiko, 4,843,948, Cl. 91-369.400.
- Sugiyama, Masanori; Masutani, Takayoshi; and Shirai, Takao, 4,887,024, Cl. 324-61.00R.
- Suzuki, Katsuo; and Umebayashi, Kazuyuki, 4,847,887, Cl. 379-58.000.
- Suzuki, Katsuo; and Umebayashi, Kazuyuki, 4,852,147, Cl. 379-58.000.
- Suzuki, Katsuo; and Umebayashi, Kazuyuki, 4,885,762, Cl. 379-58.000.
- Suzuki, Shigemitsu, 4,846,439, Cl. 251-129.140.
- Takamiya, Sanshiro; and Nakagawa, Masakazu, 4,832,005, Cl. 600-18.000.
- Takayanagi, Makoto, 4,882,558, Cl. 335-260.000.
- Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,865,398, Cl. 303-115.000.
- Takeuchi, Kenji; Kiryu, Koji; and Tanaka, Kazuyuki, 4,846,016, Cl. 74-710.500.
- Tamura, Toru; Chujo, Masaki; and Jinnouchi, Kazuharu, 4,823,758, Cl. 123-564.000.
- Tatara, Junichi, 4,858,886, Cl. 251-129.070.
- Terada, Haruhiko; and Kawagoe, Shigeyuki, 4,845,890, Cl. 49-130.000.
- Terada, Takami; and Nawa, Hiroshi, 4,838,511, Cl. 248-429.000.
- Teranishi, Shunichi, 4,836,621, Cl. 360-98.050.
- Teranishi, Shunichi, 4,844,679, Cl. 414-331.000.
- Teranishi, Shunichi; and Hayashi, Takeshi, 4,879,615, Cl. 369-34.000.
- Terazawa, Tadashi, 4,829,959, Cl. 123-349.000.
- Toda, Hiroshi, 4,878,715, Cl. 303-110.000.
- Torii, Nozomu; Mori, Keiji; and Kogita, Hidekazu, 4,832,477, Cl. 350-637.000.
- Toyoda, Tatsuo, 4,814,127, Cl. 264-56.000.
- Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibatani, Juichi, 4,805,480, Cl. 74-503.000.
- Tsubouchi, Kaoru; and Ochiai, Chiaki, 4,807,438, Cl. 60-585.000.
- Tsuzuki, Takoyoshi; Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, 4,864,273, Cl. 338-174.000.
- Yamada, Takahiro, 4,887,091, Cl. 343-714.000.
- Yamamoto, Keiichi; and Ishikawa, Kazuo, 4,825,366, Cl. 364-424.100.
- Yamamoto, Keiichi; and Ishikawa, Kazuo, 4,835,694, Cl. 364-424.100.
- Yamanaka, Toshihiko; and Hayashi, Kenji, 4,867,476, Cl. 280-714.000.
- Yamauchi, Nobuhiro, 4,836,502, Cl. 254-126.000.
- Yamauchi, Nobuhiro; and Yoshie, Koichi, 4,848,733, Cl. 254-126.000.
- Yasuda, Tomio; Sato, Jun; and Ohashi, Masao, 4,796,013, Cl. 340-562.000.
- Yasuda, Tomio; and Aoki, Kohji, 4,852,934, Cl. 296-65.100.
- Yasuda, Tomio; Aoki, Kohji; and Mori, Kazuo, 4,881,456, Cl. 98-2.010.
- Yoshikawa, Norishige; and Ishikawa, Kazuo, 4,809,565, Cl. 74-869.000.

Aisin Takaoka Limited: *See—*
- Oono, Toshio, 4,874,064, Cl. 188-70.00R.

Aisin-Warner Kabushiki Kaisha: *See—*
- Ando, Masahiko, 4,880,090, Cl. 192-3.300.
- Aoki, Hideyuki, 4,813,301, Cl. 74-762.000.
- Harada, Yoshiharu; Taga, Yutaka; Fukumura, Kagenori; Hayakawa, Yoichi; and Kawai, Masao, 4,858,500, Cl. 74-866.000.
- Hayabuchi, Masahiro; Tsukamoto, Kazumasa; Takahashi, Tokuyuki; Kubo, Seitoku; and Kuramochi, Koujiro, 4,866,935, Cl. 60-361.000.
- Hayakawa, Yoichi; and Ito, Yasunobu, 4,823,648, Cl. 74-869.000.
- Hayakawa, Yoichi; Ito, Yasunobu; and Sakai, Takahiro, 4,827,807, Cl. 74-869.000.
- Ito, Yasunobu; and Suzuki, Kenji, 4,858,499, Cl. 74-866.000.
- Ito, Yasunobu; Suzuki, Kenji; and Nobuaki, Miki, 4,870,581, Cl. 364-424.100.
- Iwatsuki, Tatsuya; Kawamoto, Mutsumi; and Kano, Takenori, 4,862,768, Cl. 74-701.000.
- Kawamoto, Mutumi; Yamada, Takashi; and Tatuta, Mitugu, 4,866,625, Cl. 364-426.020.
- Kuwayama, Yoshinari; Yokoyama, Fumitomo; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,839,041, Cl. 210-168.000.
- Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,850,251, Cl. 74-866.000.
- Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,875,392, Cl. 74-867.000.
- Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,889,016, Cl. 74-868.000.
- Miura, Masakatsu; and Sakakibara, Shiro, 4,841,804, Cl. 74-701.000.
- Miura, Masakatsu; and Ozaki, Kazuhisa, 4,848,177, Cl. 74-467.000.
- Miura, Masakatsu; and Ando, Mashiko, 4,884,472, Cl. 74-763.000.
- Miyaishi, Yoshinori; and Sakakibara, Shiro, 4,822,323, Cl. 474-242.000.
- Sakaguchi, Yoshikazu, 4,829,853, Cl. 74-869.000.
- Sakaguchi, Yoshikazu; Taga, Yutaka; and Kashihara, Yuji, 4,840,092, Cl. 74-869.000.
- Sakakibara, Shiro; Miyaishi, Yoshinori; and Furuya, Takashi, 4,838,844, Cl. 474-240.000.
- Sakakibara, Shiro; and Hattori, Masashi, 4,864,889, Cl. 74-689.000.
- Yamamoto, Masanari; Ito, Yasunobu; and Yokoyama, Shouji, 4,841,445, Cl. 364-424.100.

Aisin-Warner Limited: *See—*
- Ito, Yasunobu; and Miki, Nobuaki, 4,846,022, Cl. 74-866.000.
- Kondo, Hidehiro, 4,833,945, Cl. 74-866.000.
- Kondo, Hidehiro; and Miki, Nobuaki, 4,846,020, Cl. 74-866.000.
- Moroto, Shuzo; Sumiya, Koji; Sakaguchi, Yoshikazu; Kubo, Seitoku; and Taga, Yutaka, 4,854,195, Cl. 74-867.000.
- Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.

Aiso, Izumi: *See—*
- Seki, Kenji; Hashimoto, Junichiroh; Kimura, Michio; Yamanam Hirofumi; Mochizuki, Satomi; and Aiso, Izumi, 4,871,635, C 430-60.000.

AIT Industries, Inc.: *See—*
- Ramos, Rolando P.; Loreto, Wilfredo P.; and Vulich, Yorda 4,807,398, Cl. 51-101.0LG.
- Ramos, Rolando P.; Loreto, Wilfredo P.; and Vulich, Yorda 4,870,754, Cl. 51-165.00R.

Aita, Anthony; and Goldman, H. Warren, to Cybernetic Systems, Inc Exhaust mask system and device. 4,848,366, 7-18-89, Cl. 128-863.00

Aita, Shuichi, to Canon Kabushiki Kaisha. Developer for developin electrostatic images and process for forming images. 4,868,08 9-19-89, Cl. 430-126.000.

Aitchison, Colin S., to National Research Development Corporatio Distributed amplifier circuits. 4,845,440, 7-4-89, Cl. 330-277.000.

Aitchison, Colin S., to ERA Patents Limited. Logarithmic amplifie 4,885,483, 12-5-89, Cl. 307-492.000.

Aitken, Cliff R. R.: *See—*
- Harrison, Neil; Aitken, Cliff R. R.; and Holloway, Ian, 4,858,27 Cl. 16-265.000.

Aitken, Derek, to Applied Materials, Inc. Apparatus and methods f ion implantation. 4,847,504, 7-11-89, Cl. 250-492.200.

Aittama, Robert W.: *See—*
- Kenealy, Dean R.; and Aittama, Robert W., 4,877,001, C 123-519.000.

Aiuchi, Susumu: *See—*
- Noguchi, Minori; Otsubo, Toru; and Aiuchi, Susumu, 4,840,487, C 356-355.000.
- Otsubo, Toru; Aiuchi, Susumu; Kamimura, Takashi; Noguch Minoru; and Fujii, Teru, 4,808,258, Cl. 156-643.000.

Aiuola, Franco; and Mondani, Alberto, to A.C.M.A. S.p.A. High-spe apparatus for the extraction and the opening of bags contained i magazine in a flattened condition. 4,846,777, 7-11-89, Cl. 493-317.0

Aiyama, Fumihiko: *See—*
- Hirayama, Koji; and Aiyama, Fumihiko, 4,875,384, Cl. 74-500.5

Aizawa, Akira: *See—*
- Hayashi, Kunioki; Tanaka, Hironori; Sasagawa, Tsutomu; Uemu Isao; and Aizawa, Akira, 4,858,560, Cl. 119-1.000.

Aizawa, Hideyuki: *See—*
- Nakanishi, Nobuyasu; Noguchi, Noboru; Aizawa, Hideyuki; a Ito, Kenzi, 4,797,612, Cl. 324-173.000.

Aizawa, Hiroshi: *See—*
- Tsunekawa, Tokuichi; Date, Nobuaki; Aizawa, Hiroshi; Hos Kazuya; and Urushibara, Kazunori, 4,823,200, Cl. 358-335.00

Aizawa, Isamu, to Graphtec Kabushiki Kaisha. Thermal head suppo ing means in thermal recording apparatus. 4,855,755, 8-8-89, C 346-76.0PH.

Aizawa, Iwao: *See—*
- Todaka, Yoshihiro; Kinugasa, Toshiro; Noda, Masaru; and Aiza Iwao, 4,835,617, Cl. 358-213.130.

Aizawa, Koichi; Sewa, Shingo; Mizushima, Kiyoshi; and Emo Minoru, to Dow Corning Kabushiki Kaisha. Heat-resistant poly ganosiloxane composition. 4,824,903, 4-25-89, Cl. 524-772.000.

Aizawa, Koichi; Kazama, Toyoki; Takano, Yukio; and Tamu Yukihisa, to Fuji Electric Co., Ltd. Electrophotographic photorec tor. 4,837,137, 6-6-89, Cl. 430-65.000.

Aizawa, Koichi: *See—*
- Kazama, Toyoki; Aizawa, Koichi; Hara, Kenichi; Iijima, T shiyuki; and Takano, Yukio, 4,833,055, Cl. 430-66.000.

Aizawa, Masanobu; Yamauchi, Shigekazu; and Hisatake, Yuzo, Stanley Electric Co., Ltd. Liquid crystal cell. 4,837,058, 6-6-89, 428-1.000.

Aizawa, Masanori: *See—*
- Matsubayashi, Hiroshi; Aizawa, Masanori; Watanabe, Mich Shimizu, Takashi; and Ikegami, Tamotsu, 4,887,732, 220-90.600.

Aizawa, Michihiko: *See—*
- Itoh, Masahiko; Midorikawa, Heihatiro; Furutani, Yasumasa; Aizawa, Michihiko, 4,857,222, Cl. 252-69.000.

Aizawa, Satoru: *See—*
- Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayam Yutaka; Aizawa, Satoru; Higashino, Masahiko; and Shim Ikuo, 4,805,359, Cl. 52-167.000.

Aizawa, Tadashi; Nishiyama, Toshimichi; Okawa, Masaru; and Nak Kazuo, to Hashimoto Denki Co. Ltd. Method and apparatus assembling veneer sheet into a plywood. 4,797,169, 1-10-89, 156-64.000.

Aizawa, Takayuki, to Canon Kabushiki Kaisha. Information record and reproducing apparatus. 4,849,956, 7-18-89, Cl. 369-58.000.

Aizawa, Tamio; Takahara, Kyoji; and Yamato, Koichi, to Hitachi, L Geometric modelling system. 4,845,651, 7-4-89, Cl. 364-522.000.

Aizawa, Tamio; and Takahara, Kyoji, to Hitachi, Ltd. Shape modeling system. 4,858,150, 8-15-89, Cl. 364-522.000.

Aizawa, Toshio, to Sony Corporation. Method and apparatus for manufacturing a magnetic recording disk. 4,830,697, 5-16-89, Cl. 156-163.000.

Aizawa, Yuichi: *See—*
- Yoshioka, Takao; Kanai, Tsutomu; Aizawa, Yuichi; Horikoshi, Hiroyoshi; and Hasegawa, Kazuo, 4,873,255, Cl. 514-369.000.

A[illegible] Yoshihisa; Ogino, Kouji; and Sugita, Toshiaki, to Kowa Company Ltd. Ophthalmological diagnosis apparatus. 4,848,897, 7-18-89, Cl. 351-221.000.

Ajani, Jaffer; Grossie, Bruce, Jr.; Nishioka, Kenji; and Ota, David M., to Board of Regents, The University of Texas System. Methods for the reduction of difluoromethylornithine associated toxicity. 4,859,452, 8-22-89, Cl. 424-10.000.

Ajax, Erick S., to E. J. Ajax & Sons, Co., Inc. Adjustable frame for furniture. 4,846,079, 7-11-89, Cl. 108-156.000.

Ajax Magnethermic Corporation: *See—*
- Faber, Michael R., 4,859,823, Cl. 219-10.690.
- Havas, George, 4,811,356, Cl. 373-148.000.
- Sommer, Richard A.; Havas, George; Tama, Mario; and Allen, Clayton H., 4,807,559, Cl. 118-63.000.

Ajco Jewelry Co. Inc.: *See—*
- Eiss, Martin, 4,855,972, Cl. 368-282.000.

Ajikan Co., Ltd.: *See—*
- Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.

Ajiki, Yoshio: *See—*
- Inoue, Kazuo; Nagahiro, Kenichi; Ajiki, Yoshio; and Katoh, Masaaki, 4,869,214, Cl. 123-90.160.

Ajima, Akio: *See—*
- Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mohri, Tetsuya; Hayashi, Masaki; Terashima, Hiroshi; Hirata, Fumio; and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.

Ajima, Shigetoshi: *See—*
- Yoshida, Akio; Ajima, Shigetoshi; Hiruta, Masaru; and Saito, atsuo, 4,822,538, Cl. 264-29.400.

Ajima, Tadashi: *See—*
- Yamamoto, Yasuhiro; Miwa, Teiji; and Ajima, Tadashi, 4,876,786, Cl. 29-429.000.

Ajima, Takashi: *See—*
- Abe, Masahiro; Aoyama, Masaharu; Ohshima, Jiro; and Ajima, Takashi, 4,853,760, Cl. 357-52.000.

Ajinomoto Company, Inc.: *See—*
- Higuchi, Ryoichi; Sakurai, Takao; Mikami, Naoko; Akaiwa, Kiriko; and Takeuchi, Koji, 4,831,182, Cl. 560-59.000.
- Higuchi, Ryoichi; Sakurai, Takao; Yokota, Tadahiko; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,874,542, Cl. 252-299.610.
- Hijiya, Toyoto; Takemoto, Tadashi; and Yukawa, Toshihide, 4,803,300, Cl. 562-450.000.
- Ishida, Masaaki; Miwa, Kiyoshi; Nakamori, Shigeru; and Sano, Konosuke, 4,885,245, Cl. 435-108.000.
- Iwatsuki, Makoto; and Hayashi, Toshio, 4,818,291, Cl. 106-124.000.
- Matsuno, Kazuhiro, deceased; Kobayashi, Toru; Miyoshi, Takeshi; and Kawashima, Hideaki, 4,797,493, Cl. 548-312.000.
- Miwa, Harufumi; Kashiwada, Minoru; and Goto, Ikuo, 4,877,583, Cl. 422-73.000.
- Miwa, Kiyoshi; and Sano, Konosuke, 4,822,738, Cl. 435-252.300.
- Nagai, Yoichiro; Nakano, Taichi; and Oomura, Yutaka, 4,843,093, Cl. 514-473.000.
- Nakamura, Takashi; Hikuma, Motohiko; Kuratani, Takahiro; Obana, Haruo; and Morita, Yasutsugu, 4,801,204, Cl. 356-338.000.
- Naora, Hirokazu; Onuki, Takashi; and Nakamura, Asao, 4,849,535, Cl. 556-441.000.
- Nozoe, Shigeo; and Ohta, Tomihisa, 4,876,383, Cl. 560-163.000.
- Ootani, Masaru; Kojima, Masami; and Kitahara, Toshio, 4,820,825, Cl. 548-496.000.
- Otani, Masaru; Kojima, Masami; and Kitahara, Toshio, 4,820,869, Cl. 562-554.000.
- Saeki, Toshinori; Mizutani, Tadashi; and Tsujimoto, Susumu, 4,806,376, Cl. 426-537.000.
- Sano, Konosuke; Ito, Koichi; Miwa, Kiyoshi; and Nakamori, Shigeru, 4,861,722, Cl. 435-252.320
- Sasaki, Hitoshi; and Igota, Shoji, 4,872,590, Cl. 220-457.000.
- Sugiyama, Katsumi; Yamashita, Takashi; and Yukawa, Toshihide, 4,822,907, Cl. 560-41.000.
- Tabohashi, Tatsuru; Sakurai, Takao; Higuchi, Ryoichi; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,880,561, Cl. 252-299.610.
- Tackikawa, Toru; and Fuseya, Yoshihiko, 4,871,558, Cl. 426-99.000.
- Takahashi, Satoji; and Sugiyama, Katsumi, 4,824,994, Cl. 560-38.000.
- Toyoshima, Shigeshi; Seto, Yoshiko; Shinkai, Hisashi; Toi, Koji; and Kumashiro, Izumi, 4,816,484, Cl. 514-563.000.
- Tsuji, Toshiaki; and Kishimoto, Shinichi, 4,810,816, Cl. 560-41.000.
- Uemura, Isao; Takagaki, Yasuo; Arai, Yoshitaka; and Ami, Isamu, 4,830,867, Cl. 426-557.000.
- Uemura, Isao; and Ishihata, Mitsuhiro, 4,844,922, Cl. 426-104.000.
- Wakabayashi, Hidehiko; Tsubuku, Takako; Ueda, Youichi; and Miyajima, Ryuichi, 4,849,238, Cl. 426-537.000.
- Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, 4,859,701, Cl. 514-510.000.
- Yukawa, Toshihide; Kawasaki, Haruo; Nakamura, Masao; Yamashita, Takashi; and Tsuji, Toshiaki, 4,820,861, Cl. 560-41.000.

Ajinomoto Co., Inc., Patent & Licensing Department: *See—*
- Yokozeki, Kenzo; Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, 4,835,104, Cl. 435-87.000.

Ajinomoto General Foods, Inc.: *See—*
- Osawa, Hide, 4,798,732, Cl. 426-542.000.
- Osawa, Hide, 4,820,543, Cl. 426-650.000.

Ajioka, James S., to Hughes Aircraft Company. Non-reactive radial line power divider/combiner with integral mode filters. 4,812,782, 3-14-89, Cl. 330-286.000.

Ajioka, James S., to Hughes Aircraft Company. Slot antenna in circular waveguide. 4,825,219, 4-25-89, Cl. 343-771.000.

Ajioka, James S., to Hughes Aircraft Company. Slot antenna in circular waveguide. 4,872,020, 10-3-89, Cl. 343-771.000.

Ajioka, James S.: *See—*
- Tsuda, George I.; and Ajioka, James S., 4,825,175, Cl. 330-286.000.

Ajioka, Masanobu: *See—*
- Itoh, Hiroyuki; Kono, Yoshitsugu; Ajioka, Masanobu; Takenaka, Shinji; and Kataita, Masafumi, 4,803,065, Cl. 423-502.000.
- Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,828,815, Cl. 423-502.000.

Ajioka, Yoshihide: *See—*
- Fujino, Yasuhiro; Terai, Masayuki; Noda, Tomoyoshi; and Ajioka, Yoshihide, 4,835,705, Cl. 364-491.000.

Ajisawa, Akira: *See—*
- Fujiwara, Masahiko; Ajisawa, Akira; and Suzuki, Shuji, 4,798,435, Cl. 350-96.130.

Ajisawa, Yukiyoshi: *See—*
- Furukawa, Sunao; Yoshimoto, Tadashi; Ajisawa, Yukiyoshi; Ikeguchi, Seiichi; and Kinoshita, Yukihiko, 4,857,524, Cl. 514-227.500.

Ajmera, Prakash R.; and Jabarin, Saleh A., to Owens-Illinois Plastic Products Inc. Method of making partially crystalline biaxially oriented hollow plastic heat set containers. 4,839,127, 6-13-89, Cl. 264-526.000.

Ajmera, Prakash R., to Owens-Illinois Plastic Products Inc. Method of making partially crystalline biazially oriented heat set containers. 4,853,171, 8-1-89, Cl. 264-530.000.

Ajmera, Prakash R., to Owens-Illinois Plastic Products Inc. Method for forming hollow partially crystalline biaxially oriented heat set polyethylene terephthalate articles. 4,871,507, 10-3-89, Cl. 264-521.000.

Ajmera, Prakash R., to Owens-Illinois Plastic Products Inc. Method for making partially crystalline biaxially oriented heat set hollow plastic containers. 4,882,119, 11-21-89, Cl. 264-526.000.

Ajmera, Prakash R., to Owens-Illinois Plastic Products Inc. Heat set method for oval containers. 4,883,631, 11-28-89, Cl. 264-528.000.

AJO Anlagentechnik GmbH & Co. KG: *See—*
- Buddenberg, Jorg W., 4,815,925, Cl. 414-302.000.

Ajtai, Laszlo: *See—*
- Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, 4,865,492, Cl. 406-109.000.
- Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, 4,869,460, Cl. 251-62.000.

Ajus, Camille A.; and Ajus, Marguerite H. Method and device for constructing sleeves. 4,856,196, 8-15-89, Cl. 33-17.00R.

Ajus, Marguerite H.: *See—*
- Ajus, Camille A.; and Ajus, Marguerite H., 4,856,196, Cl. 33-17.00R.

Ajzert, Ilona K.: *See—*
- Takacs, Kalman; Ajzert, Ilona K.; Kellner, Katalin M.; Fleischer, Judit; Puskas, Mariann E.; and Rimai, Jozsef, 4,861,888, Cl. 546-150.000.

Akaba, Noriyuki: *See—*
- Terakawa, Takashige; Takahashi, Mutsumi; and Akaba, Noriyuki, 4,829,312, Cl. 343-756.000.
- Terakawa, Takashige; Takahashi, Mutsumi; and akaba, Noriyuki, 4,841,308, Cl. 343-771.000.
- Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayoshi, 4,857,869, Cl. 333-26.000.
- Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayoshi, 4,868,520, Cl. 330-295.000.

Akaba, Yukio; and Sakuramoto, Akihiko, to Sony Corp.; and SMK Co., Ltd. Multi-drop type bus line system. 4,882,554, 11-21-89, Cl. 333-105.000.

Akabane, Hidemitsu; Isobe, Toshimi; and Hoshino, Seiichi, to Sanden Corporation. Automotive air conditioning system. 4,834,283, 5-30-89, Cl. 236-13.000.

Akabane, Hidemitsu; Isobe, Toshimi; and Hoshino, Seiichi, to Sanden Corporation. Automotive air conditioning system damper position control. 4,840,308, 6-20-89, Cl. 236-13.000.

Akabane, Hidemitsu: *See—*
- Hoshino, Seiichi; Tamura, Yasuji; Akabane, Hidemitsu; and Isobe, Toshimi, 4,832,258, Cl. 236-13.000.

Akabane, Jun; Moro, Ken; Yamamoto, Masayasu; Hara, Masaharu; and Sekine, Yoshio, to Nikon Corporation. Camera with flash device. 4,853,723, 8-1-89, Cl. 354-145.100.

Akabane, Jun; Moro, Ken; and Yamamoto, Masayasu, to Nikon Corporation. Camera. 4,857,948, 8-15-89, Cl. 354-288.000.

Akabane, Satoshi: *See—*
- Tsuno, Katsuhiko; Kameda, Yoshihiko; and Akabane, Satoshi, 4,810,870, Cl. 250-203.00R.

Akabane, Yasuhiro; Tamura, Takamitsu; and Fujiwara, Masami, to Lion Corporation. Bleaching composition. 4,820,437, 4-11-89, Cl. 252-102.000.

Akachi, Keiji: *See—*
- Kogiso, Harumi; and Akachi, Keiji, 4,827,670, Cl. 49-476.000.

Akada, Masanori: *See—*
- Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
- Kawasaki, Sadanobu; Yamauchi, Mineo; and Akada, Masanori, 4,820,687, Cl. 503-227.000.

Akada, Mitsuo: *See—*
- Torii, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.

Akada, Yasuaki; Ishikawa, Norio; Egawa, Takeshi; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Automatic focus control camera. 4,827,299, 5-2-89, Cl. 354-402.000.

Akada, Yasuaki: *See—*
- Hamada, Masataka; Ishida, Tokuji; and Akada, Yasuaki, 4,888,609, Cl. 354-402.000.
- Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,811,043, Cl. 354-412.000.
- Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,855,778, Cl. 354-412.000.

Akademie der Wissenschaften der DDR: *See—*
- Ballschuh, Detlef; Seibt, Horst; Ohme, Roland; Rusche, Jochen; Gruendemann, Egon; and Krause, Elke, 4,877,885, Cl. 548-570.000.
- Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Graatschus, Monika, 4,849,077, Cl. 264-182.800.
- Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Gratschus, Monika, 4,882,127, Cl. 422-50.000.

Akae, Yoshifumi; and Yabe, Tatuo, to Mitsubishi Denki Kabushiki Kaisha. Starter motor. 4,821,588, 4-18-89, Cl. 74-7.00A.

Akae, Yoshifumi; Yamamoto, Takasi; Arima, Koji; and Yagi, Tetsuo, to Mitsubishi Denki Kabushiki Kaisha. Commutator for a starter motor. 4,871,936, 10-3-89, Cl. 310-233.000.

Akagawa, Masaki: *See—*
- Hayashi, Yukichi; Furuya, Yonezo; Fukuda, Ichiroh; Akagawa, Masaki; and Kobayashi, Osamu, 4,850,469, Cl. 194-318.000.
- Kobayashi, Osamu; and Akagawa, Masaki, 4,850,468, Cl. 194-207.000.

Akagawa, Masayuki, to Nikon Corporation. Wafer inspecting apparatus. 4,856,904, 8-15-89, Cl. 356-400.000.

Akagawa, Minoru; Naoi, Satoshi; and Fukumoto, Heijiro, to Intelmatec Corporation. Disk carrier. 4,880,518, 11-14-89, Cl. 204-298.000.

Akagawa, Minoru, to Intelmatec Corporation. End effector for IC chip handling. 4,883,300, 11-28-89, Cl. 294-2.000.

Akagawa, Yoshifumi: *See—*
- Tsumiyama, Tatsuo; Shimada, Toshiro; Akagawa, Yoshifumi; Nakamoto, Satoru; and Takada, Teruo, 4,879,341, Cl. 525-66.000.

Akagi, Hideaki: *See—*
- Hashimoto, Ken; and Akagi, Hideaki, 4,828,954, Cl. 430-110.000.

Akagi, Junko, to Kabushiki Kaisha Toshiba. High-frequency power amplifier having heterojunction bipolar transistor. 4,839,612, 6-13-89, Cl. 330-302.000.

Akagi, Takao: *See—*
- Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isao, 4,803,332, Cl. 219-121.520.

Akagi, Terumi, to Aoyama Gankyo Kabushiki Kaisha. Handy Spectacles. 4,887,896, 12-19-89, Cl. 351-63.000.

Akagiri, Kenzo, to Sony Corporation. D/A converter with switched capacitor control. 4,851,344, 7-25-89, Cl. 341-150.000.

Akagiri, Kenzo: *See—*
- Nishiguchi, Masayuki; and Akagiri, Kenzo, 4,797,902, Cl. 375-27.000.

Akahane, Kenji: *See—*
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,841,067, Cl. 548-344.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,853,463, Cl. 530-323.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,857,650, Cl. 548-336.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,863,904, Cl. 514-18.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,870,183, Cl. 546-210.000.

Akahira, Rokuro: *See—*
- Someya, Shinzo; Akahira, Rokuro; Horino, Hiroshi; Ohnaka, Michihiro; and Kiuchi, Takashi, 4,798,618, Cl. 71-92.000.

Akahori, Kimihiko: *See—*
- Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Junjiro, 4,810,461, Cl. 376-457.000.
- Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839.949, Cl. 29-132.000.

Akahori, Kiyokazu: *See—*
- Nagano, Hirosaku; Kawai, Hideki; and Akahori, Kiyokazu, 4,886,874, Cl. 528-353.000.

Akahori, Takashi: *See—*
- Takahashi, Junichi; Kosaka, Daisuke; Eguchi, Hirotoshi; Matsumoto, Shoji; Akahori, Takashi; Yamazaki, Hiroshi; and Izumi, Kouji, 4,884,051, Cl. 338-4.000.

Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Takokoro, Akio; Toba, Ritsuji; and Yoshimura, Toyofusa, to Hitachi, Ltd. Process for electroless copper plating and apparatus used therefor. 4,865,888, 9-12-89, Cl. 427-443.100.

Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Tadokoro, Akio; and Yoshimura, Toyofusa, to Hitachi, Ltd. Process for producing printed circuit board. 4,876,177, 10-24-89, Cl. 430-313.000.

Akai Electric Co., Ltd.: *See—*
- Kakishita, Masahiro; and Katsumoto, Hiroshi, 4,829,463, Cl. 364-724.190.
- Mochizuki, Kazuto; and Kawahara, Katsushi, 4,859,977, Cl. 336-65.000.

Akai, Kazuaki. Purifying system of water area. 4,824,284, 4-25-89, Cl. 405-21.000.

Akai, Makoto, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. Ultrahigh speed X-ray CT scanner. 4,866,745, 9-12-89, Cl. 378-9.000.

Akai, Norio: *See—*
- Doi, Hajime; Akai, Norio; and Matsumoto, Fujio, 4,803,584, Cl. 360-133.000.

Akai, Yoshimi, to Kabushiki Kaisha Toshiba. Device for detecting radioactive rays. 4,845,363, 7-4-89, Cl. 250-368.000.

Akai, Yuichi: *See—*
- Nozaki, Ken; and Akai, Yuichi, 4,797,566, Cl. 307-43.000.

Akaike, Junichi: *See—*
- Nagashima, Akira; and Akaike, Junichi, 4,843,718, Cl. 30-138.00

Akaike, Toshihiro: *See—*
- Aoyagi, Juuro; Yamamoto, Yuichi; Akaike, Toshihiro; and Nozak Yasuhiro, 4,836,928, Cl. 210-635.000.

Akaiwa, Kiriko: *See—*
- Higuchi, Ryoichi; Sakurai, Takao; Mikami, Naoko; Akaiw Kiriko; and Takeuchi, Koji, 4,831,182, Cl. 560-59.000.

Akaiwa, Yoshihiko; Nagata, Yoshinori; and Matsuo, Yoshio, to NE Corporation. Digital radio communication system utilizing quadr ture modulated carrier waves. 4,817,116, 3-28-89, Cl. 375-49.000.

Akaiwa, Yoshihiko, to NEC Corporation. Terminal station of a radi communication network capable of effectively using radio channel assigned to the network. 4,882,766, 11-21-89, Cl. 455-58.000.

Akakabe, Yoshifumi: *See—*
- Ishii, Akira; Maehara, Katsumi; Boening, Bernward; and Akakab Yoshifumi, 4,844,558, Cl. 303-119.000.

Akama, Hiroshi: *See—*
- Kato, Yasuyoshi; Konishi, Kunihiko; Matsuda, Toshiaki; Ito, Meij Kamiguchi, Taiji; Teshima, Nobue; and Akama, Hirosh 4,798,813, Cl. 502-60.000.

Akamatsu, Hideo: *See—*
- Sakamoto, Eiichi; Kaneko, Yutaka; Ninomiya, Hidetaka; Kami Takashi; Ezaki, Atsuo; Akamatsu, Hideo; and Haraga, Hideak 4,871,658, Cl. 430-551.000.

Akamatsu, Junichi: *See—*
- Miyai, Seiichi; and Akamatsu, Junichi, 4,807,220, Cl. 369-286.00

Akamatsu, Kazuhiko: *See—*
- Tada, Masuo; Akamatsu, Kazuhiko; Fukumoto, Takaaki; Ohmor Toshiaki; and Hyono, Tadashi, 4,869,090, Cl. 72-53.000.

Akamatsu, Osamu: *See—*
- Hata, Yasuhisa; and Akamatsu, Osamu, 4,796,513, Cl. 92-5.00R.
- Hata, Yasuhisa; and Akamatsu, Osamu, 4,811,651, Cl. 92-29.000.

Akamatsu, Takahiro; Nakazato, Hiroshi; Matsumura, Takashi; a Fukui, Kenji, to Canon Kabushiki Kaisha. Device for positioning semi-conductor wafer. 4,853,880, 8-1-89, Cl. 364-559.000.

Akamatsu, Takahiro: *See—*
- Nakazato, Hiroshi; Matsumura, Takashi; Akamatsu, Takahiro; a Fukui, Kenji, 4,887,904, Cl. 356-375.000.

Akamatsu, Takayoshi: *See—*
- Oka, Tetsuo; Hayashi, Kenji; Akamatsu, Takayoshi; and Horiuch Satoshi, 4,888,211, Cl. 427-130.000.

Akamatsu, Yoshiki: *See—*
- Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashim Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; a Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.

Akami, Kenji: *See—*
- Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; a Naito, Hiroshi, 4,801,954, Cl. 346-140.00R.
- Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; a Naito, Hiroshi, 4,801,955, Cl. 346-140.00R.

Akamine, Akinori, to Sumitomo Bakelite Company Limited. Cultur vessel. 4,851,351, 7-25-89, Cl. 435-296.000.

Akana, Yoshinori: *See—*
- Yatsu, Tadao; and Akana, Yoshinori, 4,874,647, Cl. 428-35.700.

Akanuma, Hiroshi: *See—*
- Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuch Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masaa and Kato, Kazuo, 4,810,640, Cl. 435-25.000.

Akanuma, Teruhiko; and Enomoto, Masaharu, to NEC Corporatio Mercury wetted contact switch. 4,804,932, 2-14-89, Cl. 335-58.000.

Akao, Akio: *See—*
- Kunimitsu, Michio; Tomita, Hiroshi; Akao, Akio; and Kano, Hir shi, 4,838,713, Cl. 400-120.000.

Akao, Kiyoshi: *See—*
- Kobayashi, Atsuo; Yamada, Takuma; and Akao, Kiyoshi, 4,830,888, Cl. 427-430.100.

Akao, Masaru; Okamoto, Yoshio; Manba, Akio; and Ichimoto, Takehiko, to Kao Corporation. Cold rolling oil composition for aluminum and aluminum-containing alloys. 4,800,034, 1-24-89, Cl. 252-56.00S.

Akao, Michitoshi; Sakakibara, Kenji; Katoh, Tokunori; and Sawaki, Yukichi, to Brother Kogyo Kabushiki Kaisha. Imaging device. 4,868,602, 9-19-89, Cl. 355-27.000.

Akao, Michitoshi: *See—*
- Onoda, Hiroshi; Sakakibara, Kenji; and Akao, Michitoshi, 4,798,485, Cl. 400-54.000.
- Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, 4,810,614, Cl. 430-138.000.

Akao, Mutsuo; Endo, Hisao; Sata, Toshio; and Ishiguro, Masanori, to Fuji Photo Film Co., Ltd. Spool for protographic film. 4,796,823, 1-10-89, Cl. 242-71.800.

Akao, Mutsuo; and Tajima, Kenji, to Fuji Photo Film Co., Ltd. Packaging case for photosensitive sheet films. 4,828,106, 5-9-89, Cl. 206-316.000.

Akao, Mutsuo; and Kato, Takeshi, to Fuji Photo Film Co., Ltd. Packaging bag for sheets for electrophoresis. 4,844,787, 7-4-89, Cl. 204-299.00R.

Akao, Mutsuo, to Fuji Photo Film Co., Ltd. Container for photographic film cartridge. 4,844,961, 7-4-89, Cl. 428-36.920.

Akao, Mutsuo, to Fuji Photo Film Co., Ltd. Packaging material. 4,871,613, 10-3-89, Cl. 428-328.000.

Akao, Mutsuo; Osanai, Hiroyuki; and Inoue, Koji, to Fuji Photo Film Co., Ltd. Gusset bag for photographic photosensitive materials. 4,876,125, 10-24-89, Cl. 428-35.200.

Akao, Mutsuo, to Fuji Photo Film Co., Ltd. Packaging material for photographic photosensitive materials. 4,876,129, 10-24-89, Cl. 428-359.000.

Akao, Shigeaki; Kawamura, Mitsuyoshi; and Kojima, Takio, to NGK Spark Plug Co., Ltd. Metal piston and ceramic piston pin assembly. 4,796,517, 1-10-89, Cl. 92-187.000.

Akao, Shigeaki; Taniguchi, Masato; and Kojima, Takio, to NGK Spark Plug Co., Ltd. Mounting of ceramic tip on metal rocker arm. 4,803,766, 2-14-89, Cl. 29-156.40R.

Akao, Shigeaki; Taniguchi, Masato; and Ito, Masaya, to NGK Spark Plug Co., Ltd. Method of forming crowned sliding surface in mechanical part. 4,850,095, 7-25-89, Cl. 29-447.000.

Akao, Shigeaki; Ishida, Noboru; and Kawamura, Mitsuyoshi, to NGK Spark Plug Co., Ltd. Internal combustion engine with ceramics valves. 4,872,431, 10-10-89, Cl. 123-188.0AA.

Akao, Shigeaki; and Taniguchi, Masato, to NGK Spark Plug Co., Ltd. Ceramic rocker arm. 4,875,442, 10-24-89, Cl. 123-90.390.

Akao, Takeshi; Sakai, Morihiko; Ohsaki, Katsumichi; and Yamada, Muneki, to Kikkoman Corporation. Separator with movable receptacles. 4,851,115, 7-25-89, Cl. 210-189.000.

Akao, Yasushi: *See—*
- Sasaki, Hisao; Terada, Matsuaki; Matsui, Susumu; Kawakita, Kenji; Kashio, Jiro; Baba, Shiro; Akao, Yasushi; and Okochi, Toshio. 4,881,167, Cl. 364-200.000.

Akaogi, Takao; and Tatematsu, Takeo, to Fujitsu Limited. Output buffer circuit for a semiconductor memory device. 4,802,127, 1-31-89, Cl. 365-189.000.

Akasaka, Akio; Suga, Seiji; and Sawada, Takanori, to Atsugi Motor Parts Company, Limited. Valve timing adjusting mechanism for internal combustion engine for adjusting timing of intake valve and/or exhaust valve corresponding to engine operating conditions. 4,811,698, 3-14-89, Cl. 123-90.170.

Akasaka, Hideki; and Sato, Masatoshi, to Nikon Corporation. Process and apparatus for simultaneous erasure and recording in magneto-optical recording. 4,853,912, 8-1-89, Cl. 369-73.000.

Akasaka, Hideki; and Sato, Masatoshi, to Nikon Corporation. Over write capable magnetooptical recording method using two beams, and magnetooptical recording apparatus therefor. 4,855,975, 8-8-89, Cl. 369-13.000.

Akasaka, Hidemichi; Komasaki, Hisayuki; and Arai, Takayuki, to Shiseido Company Ltd. Fermentation method for producing hyaluronic acid. 4,801,539, 1-31-89, Cl. 435-101.000.

Akasaka, Hideya: *See—*
- Takeuchi, Yasuhito; Higashiizumi, Takao; Akasaka, Hideya; Jibiki, Takao; and Sano, Shinichi, 4,817,617, Cl. 128-660.050.

Akasaka, Kozo: *See—*
- Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, 4,833,160, Cl. 514-424.000.
- Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu. Isao, 4,886,834, Cl. 514-521.000.

Akasaka, Michiyo: *See—*
- Hotta, Hajime; and Akasaka, Michiyo, 4,837,010, Cl. 424-59.000.

Akasaka, Nobuhiro: *See—*
- Fukuma, Masumi; and Akasaka, Nobuhiro, 4,802,732, Cl. 350-96.230.
- Kakuta, Tatsuya; and Akasaka, Nobuhiro, 4,799,762, Cl. 350-96.340.

Akasaka, Sinichi: *See—*
- Ohara, Shuichi; Akasaka, Sinichi; Oka, Hiroyuki; and Hattori, Shintaroo, 4,812,439, Cl. 503-227.000.

Akasaka, Yoichi: *See—*
- Nishimura, Tadashi; and Akasaka, Yoichi, 4,797,723, Cl. 357-40.000.

Akasaki, Isamu; and Sawaki, Nobuhiko, to Nagoya University. Process for growing III-V compound semiconductors on sapphire using a buffer layer. 4,855,249, 8-8-89, Cl. 437-81.000.

Akasaki, Toshiro; Matsunaga, Masafumi; Watanabe, Takashi; and Matsushima, Hironari, to Nordson Corporation. Method and apparatus for electrostatic powder sewing of fabrics. 4,859,266, 8-22-89, Cl. 156-273.100.

Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, to Fuji Xerox Co., Ltd. Electrophotographic photoreceptor having a bisazo compound. 4,820,600, 4-11-89, Cl. 430-58.000.

Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, to Fuji Xerox Co., Ltd. Electrophotographic photoreceptor having a bisazo compound. 4,822,704, 4-18-89, Cl. 430-58.000.

Akasaki, Yutaka; Sato, Katsuhiro; Tokita, Akihiko; and Suto, Hidemi, to Fuji Xerox Co., Ltd. Electrophotographic photoreceptor having a bisazo compound. 4,833,054, 5-23-89, Cl. 430-59.000.

Akasaki, Yutaka; Sato, Katsuhiro; Tanaka, Hiroyuki; Nukada, Katsumi; and Sudo, Hidemi, to Fuji Xerox Co., Ltd. Novel electron-accepting compound and method for preparing the same. 4,833,263, 5-23-89, Cl. 558-384.000.

Akasaki, Yutaka; Yabuuchi, Naoya; and Ohki, Tatsuro, to Fuji Xerox Co., Ltd. Process for producing a surface treated pigment. 4,846,893, 7-11-89, Cl. 106-500.000.

Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, to Fuji Xerox Co., Ltd. Bisazo compounds. 4,889,924, 12-26-89, Cl. 534-658.000.

Akashah, Saed-El-Deen: *See—*
- Lahalih, Shawqui; Akashah, Saed-El-Deen; and Al-Hajjar, Farouk, 4,845,888, Cl. 47-9.000.

Akashi, Akira, to Canon Kabushiki Kaisha. Apparatus for detecting focusing state of objective lens. 4,800,261, 1-24-89, Cl. 250-204.000.

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, to Canon Kabushiki Kaisha. Focus detecting apparatus for selecting the operating process in conformity with the contrast of an object. 4,800,4[illegible] 1-24-89, Cl. 354-408.000.

Akashi, Akira, to Canon Kabushiki Kaisha. Camera incorporating automatic focusing apparatus. 4,801,962, 1-31-89, Cl. 354-402.000.

Akashi, Akira; and Yamada, Masanori, to Canon Kabushiki Kaisha. Automatic focusing device. 4,803,507, 2-7-89, Cl. 354-400.000.

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, to Canon Kabushiki Kaisha. Focus detecting apparatus. 4,812,869, 3-14-89, Cl. 354-408.000.

Akashi, Akira, to Canon Kabushiki Kaisha. Focus detecting device. 4,825,238, 4-25-89, Cl. 354-402.000.

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, to Canon Kabushiki Kaisha. Focus detecting apparatus having increased SNR by selectively varying or holding constant the number of signals from sensor arrays. 4,833,313, 5-23-89, Cl. 250-201.000.

Akashi, Akira, to Canon Kabushiki Kaisha. Camera with automatic focusing apparatus. 4,845,521, 7-4-89, Cl. 354-400.000.

Akashi, Akira, to Canon Kabushiki Kaisha. Camera with automatic focusing device. 4,855,776, 8-8-89, Cl. 354-402.000.

Akashi, Akira: *See—*
- Suda, Yasuo; Akashi, Akira; Ishizaki, Akira; Ohmura, Hiroshi; and Ohtaka, Keiji, 4,825,239, Cl. 354-402.000.
- Suda, Yasuo; Ohnuki, Ichiro; Akashi, Akira; Ishizaki, Akira; Ohtaka, Keiji; and Koyama, Takeshi, 4,859,842, Cl. 250-201.000.

Akashi, Fumio: *See—*
- Furuya, Yukitsuna; and Akashi, Fumio, 4,888,767, Cl. 370-95.200.

Akashi, Kazuya: *See—*
- Hasegawa, Masakazu; Takaoka, Michio; Yoshida, Syotaroh; and Akashi, Kazuya, 4,820,570, Cl. 428-140.000.

Akashi, Mineo, to NEC Corporation. Data processing apparatus having an input/output controller for controlling interruptions. 4,847,752, 7-11-89, Cl. 364-200.000.

Akashi, Shuji: *See—*
- Okada, Yukio; Iwamura, Akira; and Akashi, Shuji, 4,795,666, Cl. 428-71.000.

Akashi, Shunji, to Yoshida Kogyo K. K. Pull tab attachment for slide fastener slider. 4,823,447, 4-25-89, Cl. 24-429.000.

Akashi, Takamichi: *See—*
- Hirayama, Shigemitsu; Akashi, Takamichi; Ikuta, Akio; Sasaki, Isao; and Fukuda, Hiroshi, 4,872,974, Cl. 210-90.000.

Akashi, Yoichi: *See—*
- Moriyama, Atsuo; Akashi, Yoichi; Sekiuchi, Kazunori; Nagakura, Toshio; and Kobayashi, Akira, 4,864,632, Cl. 455-3.000.

Akashi, Yuji, to Yugen Kaisha Akashi Tekkosho. Drawing-in clamping device for chuck of lathe or the like. 4,838,562, 6-13-89, Cl. 279-106.000.

Akashic Memories Corporation: *See—*
- Kobliska, Robert J.; and Li, Eric K., 4,861,662, Cl. 428-408.000.

Akasu, Hiroyuki: *See—*
- Okamoto, Takehiko; Ohmory, Akio; Sueoka, Akinori; Kawata, Ichiro; and Akasu, Hiroyuki, 4,874,522, Cl. 210-645.000.

Akasu, Masahira, to Mitsubishi Denki Kabushiki Kaisha. Ignition timing control device for internal combustion engine. 4,811,714, 3-14-89, Cl. 123-425.000.

Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, to Nissan Motor Company, Limited. Acitively controlled automotive suspension system with adjustable response characteristics in pitching-suppressive control. 4,872,701, 10-10-89, Cl. 280-703.000.

Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, to Nissan Motor Company, Limited. Actively controlled automotive suspension system with acceleration and angular velocity dependent anti-pitching and/or anti-rolling feature. 4,888,696, 12-19-89, Cl. 364-424.050.

Akatsu, Yohsuke: *See—*

Fukunaga, Yukio; Tsuda, Yoshiki; Fukushima, Naoto; Akatsu, Yohsuke; Hano, Sunao; and Sato, Masaharu, 4,848,790, Cl. 280-707.000.

Fukushima, Naoto; Yamaguchi, Hirotsugu; and Akatsu, Yohsuke, 4,801,155, Cl. 280-707.000.

Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; Hano, Sunao; and Satoh, Masaharu, 4,865,347, Cl. 280-707.000.

Hano, Sunao; Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; and Yamanaka, Hiroshi, 4,865,348, Cl. 280-707.000.

Akatsu, Yukio, to Tokyo Bosai Setsubi Company, Limited. Fire extinguisher foam chamber with remote maintenance and testing for oil tanks. 4,838,356, 6-13-89, Cl. 169-66.000.

Akatsuka, Minoru: *See—*

Gunjima, Tomoki; Kumai, Hiroshi; Akatsuka, Minoru; and Tsuchiya, Shoichi, 4,818,070, Cl. 350-334.000.

Akatsuka, Takahisa: *See—*

Yoshida, Shingo; Akatsuka, Takahisa; Inoue, Osamu; and Toyama, Jiro, 4,849,133, Cl. 252-511.000.

Akatsuka, Takeo: *See—*

Oki, Yoshio; Akatsuka, Takeo; and Satoji, Fuminori, 4,825,249, Cl. 355-15.000.

Akatsuka, Yuichiro, to Olympus Optical Co., Ltd. Medical picture filing system. 4,879,665, 11-7-89, Cl. 364-518.000.

Akatsuka, Yuichiro: *See—*

Horiguchi, Toshio; Akatsuka, Yuichiro; and Tanaka, Hisakatsu, 4,885,458, Cl. 235-454.000.

Akazawa, Hozumi, to Chojoha Giken Kabushiki Kaisha. Frier incorporating filtering mechanism. 4,867,873, 9-19-89, Cl. 210-106.000.

Akazawa, Kiyoshi: *See—*

Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,825,246, Cl. 355-4.000.

Akazawa, Shigeo; Mori, Masaharu; and Hamatsu, Masahiro, to Clarion Co., Ltd. Receiver for spread spectrum communication. 4,866,734, 9-12-89, Cl. 375-1.000.

Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, to Kuraray Company, Ltd.; and Nippon Petrochemicals Company, Ltd. Adhesive resin composition, laminated material using it and resin composition containing it. 4,810,581, 3-7-89, Cl. 428-412.000.

Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, to Kuraray Co., Ltd.; and Nippon Petrochemicals Co., Ltd. Adhesive resin composition, laminated material using it and resin composition containing it. 4,810,755, 3-7-89, Cl. 525-285.000.

Akazawa, Toyo, to Japan M&C Trading Co., Ltd. Screw mill. 4,836,460, 6-6-89, Cl. 241-247.000.

Akazawa, Yukio: *See—*

Wakimoto, Tsutomu; and Akazawa, Yukio, 4,885,548, Cl. 330-260.000.

Ake, DuWain K.: *See—*

Cain, Gary L.; Ake, DuWain K.; and Teach, Ted L., 4,830,489, Cl. 356-73.000.

Akebe, Osamu: *See—*

Tujimura, Kiyoharu; Akebe, Osamu; and Satoh, Kiyoshi, 4,815,280, Cl. 73-204.120.

Akebi, Kazuhiko: *See—*

Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tatsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, 4,861,409, Cl. 156-308.200.

Akebono Brake Industry Co., Ltd.: *See—*

Arai, Masao, 4,859,414, Cl. 420-15.000.

Fujinami, Hideyuki, 4,828,079, Cl. 188-271.000.

Fujinami, Hideyuki, 4,846,316, Cl. 188-271.000.

Fujita, Tomohiro; and Kawano, Ryuji, 4,889,395, Cl. 303-115.000.

Hoashi, Akira; Akima, Hideo; Maki, Takao; and Yamaki, Isao, 4,811,232, Cl. 364-426.020.

Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,825,371, Cl. 364-426.020.

Kanai, Tamotsu; and Hayashi, Katsunori, 4,887,449, Cl. 72-356.000.

Kaneko, Kiyokazu, 4,852,702, Cl. 188-196.00D.

Maehara, Toshifumi, 4,844,555, Cl. 303-92.000.

Maehara, Toshifumi; and Sakai, Takashi, 4,867,509, Cl. 303-92.000.

Maehara, Toshifumi, 4,884,492, Cl. 91-370.000.

Miyata, Katsuhiro, 4,815,573, Cl. 188-264.00F.

Nishikawa, Yutaka, 4,846,314, Cl. 188-196.00D.

Ogino, Kinji, 4,802,713, Cl. 303-119.000.

Ogino, Kinji, 4,807,943, Cl. 303-113.000.

Sakai, Takashi, 4,872,584, Cl. 220-201.000.

Shimanuki, Haruki; Miyake, Katsuya; Akima, Hideo; and Hoashi, Akira, 4,797,825, Cl. 364-426.020.

Shimanuki, Haruki; Akima, Hideo; and Hoashi, Akira, 4,807,133, Cl. 364-426.020.

Shimanuki, Haruki; Maki, Takao; and Takahashi, Yoshio, 4,883,325, Cl. 303-96.000.

Akebono Research and Development Centre Ltd.: *See—*

Arai, Masao, 4,859,414, Cl. 420-15.000.

Maehara, Toshifumi, 4,844,555, Cl. 303-92.000.

Maehara, Toshifumi; and Sakai, Takashi, 4,867,509, Cl. 303-92.000.

Miyata, Katsuhiro, 4,815,573, Cl. 188-264.00F.

Ogino, Kinji, 4,802,713, Cl. 303-119.000.

Ogino, Kinji, 4,807,943, Cl. 303-113.000.

Sakai, Takashi, 4,872,584, Cl. 220-201.000.

Akebono Research and Development Centre Ltd: *See—*

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Akechi Ceramics Co., Ltd.: *See—*

Ando, Mitsuru; and Takasu, Toshikazu, 4,854,487, Cl. 222-606.000.

Akechi, Kiyoaki, to Sumitomo Electric Industries, Ltd. Forged aluminum alloy spiral parts and method of fabrication thereof. 4,838,936, 6-13-89, Cl. 75-249.000.

Akechi, Kiyoaki: *See—*

Itoh, Yoshiaki; Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, 4,830,820, Cl. 419-23.000.

Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, 4,818,308, Cl. 148-437.000.

Akeda, Tomoyuki: *See—*

Susuki, Yoshiharu; and Akeda, Tomoyuki, 4,826,565, Cl. 156-668.000.

Akedo, Jun: *See—*

Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; and Akedo, Jun, 4,823,001, Cl. 250-231.0SE.

Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; Akedo, Jun; Harigaya, Makoto; and Ide, Yasushi, 4,840,922, Cl. 437-129.000.

Kobayashi, Hiroshi; Machida, Haruhiko; Harigaya, Makoko; Ide, Yasushi; and Akedo, Jun, 4,855,256, Cl. 437-129.000.

Tawara, Takao; Akedo, Jun; and Iwashita, Yoshiyuki, 4,841,129, Cl. 235-472.000.

Akeel, Hadi A., to GMF Robotics Corporation. Multiple joint robo part. 4,805,477, 2-21-89, Cl. 74-479.000.

Akeel, Hadi A.; Bartlett, Donald S.; and Poynter, William H., Jr., t GMF Robotics Corporation. Three-axes wrist mechanism. 4,807,48 2-28-89, Cl. 74-479.000.

Akeno, Mitsuru, to Yoshida Kogyo K. K. Top stop for water-tight slid fastener. 4,825,514, 5-2-89, Cl. 24-389.000.

Aker Engineering A/S: *See—*

Lefranc, Marc, 4,848,966, Cl. 405-201.000.

Aker, Sam C.; Jackson, Jay W.; and Phillips, Pettice M., to Lockhee Corporation. Elastomeric ball pressurizing method for adhesiv bonding of assemblies. 4,828,639, 5-9-89, Cl. 156-245.000.

Akerberg, Jan; and Nilsson, Bo, to SMC Stockholms Maskincentr Aktiebolag. Mitre cutter device for cable ditches. 4,834,773, 5-30-8 Cl. 30-382.000.

Akerblom, Eva B.: *See—*

Berglund, Asta B.; Akerblom, Eva B.; and Hedin, Anders J. 4,797,370, Cl. 436-518.000.

Akerlund, Gorgen: *See—*

Hook, Jan-Erik; and Akerlund, Gorgen, 4,878,998, Cl. 162-49.00

Akerlund & Rausing Licens AB: *See—*

Christensson, Lars, 4,883,193, Cl. 220-266.000.

Akerman, David: *See—*

Akerman, Marina J.; and Akerman, David, 4,806,406, C 428-65.000.

Akerman, Jan G. H.: *See—*

Fischer, Udo K. R.; Hartzell, Erik T.; and Akerman, Jan G. H 4,820,482, Cl. 419-15.000.

Akerman, Marina J.; and Akerman, David. Sanitary toilet seat cove 4,806,406, 2-21-89, Cl. 428-65.000.

Akerman, Paul; and Meyer, Wolfram, to Bieri Pumpenbau AG. Circ lating pump. 4,878,804, 11-7-89, Cl. 415-111.000.

Akermark, Bjorn J. E.: *See—*

Lundin, Claes O. A.; Larsson, Erik M.; and Akermark, Bjorn J. E 4,859,794, Cl. 560-302.000.

Akers, Charles K.: *See—*

Schneeberger, Richard F.; and Akers, Charles K., 4,884,076, C 342-5.000.

Akers, Cliff; and James, Richard N. Vehicle cover. 4,799,728, 1-24-8 Cl. 296-136.000.

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Akers, Susan; and Akers, Raymond F., Jr., 4,806,487, C 436-93.000.

Akers, Susan; and Akers, Raymond F., Jr., 4,816,415, C 436-93.000.

Akers, Scott R.: *See—*

Cocks, Franklin H.; and Akers, Scott R., 4,825,851, Cl. 128-24.00A

Akers, Susan; and Akers, Raymond F., Jr., to Analytical Innovation Inc. Basic drug detection method. 4,806,487, 2-21-89, Cl. 436-93.00

Akers, Susan; and Akers, Raymond F., Jr., to Analytical Innovation Inc. Cannabinoid detection method. 4,816,415, 3-28-89, C 436-93.000.

Akers, Thomas G.: *See—*

Reimers, Robert S.; Akers, Thomas G.; and Lo, C. Paul, 4,853,20 Cl. 423-659.000.

Akerstedt, Allan: *See—*

Stenstrom, Lennart; and Akerstedt, Allan, 4,860,156, C 361-128.000.

Akesaka, Toshio, to Kabushiki Kaisha Iseki Kaihatsu Koki. Pipe prope ling device. 4,815,695, 3-28-89, Cl. 254-29.00R.

Akesaka, Toshio, to Kabushiki Kaisha Iseki Kaihatsu Koki. Pipe prope ling apparatus. 4,830,539, 5-16-89, Cl. 405-184.000.

Akesaka, Toshio, to Kabushiki Kaisha Iseki Kaihatsu Koki. Method fo excavating hole and apparatus therefor. 4,869,619, 9-26-89, C 405-184.000.

Akesaka, Toshio, to Kabushiki Kaisha Iseki Kaihatsu Koki. Method and apparatus for building pipeline and shield tunnelling machine. 4,874,268, 10-17-89, Cl. 405-184.000.

Akesaka, Toshio, to Kabushiki Kaisha Iseki Kaihatsu Koki. Shield tunneling machine. 4,886,394, 12-12-89, Cl. 405-141.000.

Akesaka, Toshio, to Kabushiki Kaisha Iseki Kaihatsu Koki. Existing pipeline renewing method and apparatus therefor. 4,886,396, 12-12-89, Cl. 405-184.000.

Akeson, Richard C.: *See—*

Nagy, Gabor S.; Akeson, Richard C.; Sweenie, Richard E.; Novak, Mark E.; Malsch, Harry K.; Widule, Thomas J.; Ding, Gustav L. P.; and Jackson, Jared K., 4,882,930, Cl. 73-56.000.

Akesson, Knut-Olof: *See—*

Nordeborn, Krister; and Akesson, Knut-Olof, 4,870,296, Cl. 307-10.800.

Akesson, Leif A. E.; and Mikus, Marian, to Santrade Limited. Sintered body for chip forming machining. 4,843,039, 6-27-89, Cl. 501-87.000.

Akesson, Ulf, to Asea Brown Boveri AB. High voltage circuit breaker. 4,814,560, 3-21-89, Cl. 200-148.00F.

Akesson, Yngve, to Nestec S.A. Utilization of fish waste. 4,886,676, 12-12-89, Cl. 426-289.000.

Akesson, Yngve R.; Hansson, Nils E.; Olofsson, Mats; and Pegoraro, Guiliano, to Nestec S.A. Cutting of material for obtaining a portion of predetermined weight. 4,868,951, 9-26-89, Cl. 17-54.000.

Aketa, Masahiro; Yamashita, Masahiro; Torii, Satoshi; and Ikeshima, Tetsuro, to Kubota, Ltd. Accumulator fuel injector for diesel engine. 4,807,811, 2-28-89, Cl. 239-91.000.

Aketa, Masahiro; and Fujii, Satoshi, to Kubota, Ltd. Pressure accumulation type of fuel injection device for an internal combustion engine. 4,848,658, 7-18-89, Cl. 239-88.000.

Aketa, Tomoyuki: *See—*

Suzuki, Yoshiharu; and Aketa, Tomoyuki, 4,836,889, Cl. 156-667.000.

Aketagawa, Tokio; and Shimano, Osamu, to Kabushiki Kaisha Toshiba. Subcarrier generating device for color signal processing circuit. 4,797,732, 1-10-89, Cl. 358-28.000.

AKG Akustische u. Kino-Gerate Gesellschaft m.b.H.: *See—*

Fidi, Werner, 4,817,168, Cl. 381-155.000.

Fidi, Werner; and Renner, Heinz, 4,858,719, Cl. 181-158.000.

Gorike, Rudolf, 4,809,811, Cl. 181-129.000.

Akhavi, David S., to Iolab Corporation. Process of molding an optic for an intraocular lens. 4,847,020, 7-11-89, Cl. 264-2.200.

Akhawala, Mohammed I.: *See—*

Warthen, William P.; and Akhawala, Mohammed I., 4,798,200, Cl. 128-89.00R.

Akhmedov, Karim S.: *See—*

Artykov, Farykhdzhon A.; Lilbok, Ljudmila A.; Novikov, Jury P.; Akhmedov, Karim S.; Zainutdinov, Aziz S.; and Zainutdinov, Sadriddin, 4,820,799, Cl. 528-363.000.

Akhtar, Masud, to Chronar Corp. Solid-state energy storage cell wherein the electrolyte comprises an organic support and an inorganic salt. 4,851,308, 7-25-89, Cl. 429-192.000.

Akhtar, Masud; and Weakliem, Herbert A., to Chronar Corp. Catalytic deposition of semiconductors. 4,873,119, 10-10-89, Cl. 427-39.000.

Akhtar, Maysood: *See—*

LaCourse, William C.; and Akhtar, Maysood, 4,872,896, Cl. 65-30.140.

Akhter, Pervez, to Scott Fetzer Company, The. Method of making a blow molded float switch assembly. 4,827,603, 5-9-89, Cl. 29-622.000.

Akhurst, Donald S.: *See—*

Compton, Ronald E.; Brown, Bruce A.; Akhurst, Donald S.; Myers, Douglas R.; Smith, Robert W.; and DeBruyne, Robert W., 4,867,020, Cl. 82-1.110.

Aki, Shinichi: *See—*

Honjo, Masahiro; Takeuchi, Akihiro; Ochi, Atsuo; Aki, Shinichi; Nakagawa, Yukio; and Kobayashi, Masaaki, 4,812,783, Cl. 331-20.000.

Aki, Shinji: *See—*

Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,855,292, Cl. 514-312.000.

Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,874,764, Cl. 514-254.000.

Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,880,806, Cl. 514-249.000.

Akiba, Juji, to W. L. Gore & Associates, Inc. Spacer-separated liquid leakage sensor. 4,843,305, 6-27-89, Cl. 324-65.00P.

Akiba, Jyuji, to Junkosha Co., Ltd. Attachment bracket for a liquid leakage sensor used in drain openings. 4,860,983, 8-29-89, Cl. 248-205.100.

Akiba, Jyuji, to Junkosha Co., Ltd. Attachment ring for a liquid leakage sensor used in drain openings. 4,875,359, 10-24-89, Cl. 73-40.000.

Akiba, Kouji; Kitajima, Akira; and Arai, Yoshio, to Hochiki Kabushiki Kaisha. Flame detecting arrangement for detecting a flame through horizontal and vertical scanning of a supervisory region by using a photodetector. 4,800,285, 1-24-89, Cl. 250-554.000.

Akiba, Kouji: *See—*

Aria, Yoshio; Akiba, Kouji; and Kitajima, Akira, 4,819,733, Cl. 169-61.000.

Akiba, Shigeyuki; Usami, Masashi; Noda, Yukio; and Suzuki, Masatoshi, to Kokusai Denshin Denwa Kabushiki Kaisha. Semiconductor device with distributed bragg reflector. 4,796,274, 1-3-89, Cl. 372-96.000.

Akiba, Shigeyuki: *See—*

Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,811,353, Cl. 372-45.000.

Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,820,655, Cl. 437-129.000.

Suzuki, Masatoshi; Akiba, Shigeyuki; Tanaka, Hideaki; and Kushiro, Yukitoshi, 4,811,352, Cl. 372-45.000.

Suzuki, Masatoshi; Noda, Yukio; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,837,526, Cl. 332-7.510.

Usami, Masashi; Akiba, Shigeyuki; Utaka, Katsuyuki; and Matsushima, Yuichi, 4,815,090, Cl. 372-50.000.

Utaka, Katsuyuki; Akiba, Shigeyuki; and Matsushima, Yuichi, 4,826,291, Cl. 350-320.000.

Utaka, Katsuyuki; Sakai, Kazuo; Matsushima, Yuichi; and Akiba, Shigeyuki, 4,874,216, Cl. 350-96.190.

Akiba, Takashi: *See—*

Tsutsui, Toshiaki; and Akiba, Takashi, 4,808,087, Cl. 417-369.000.

Akiba, Takesada: *See—*

Etoh, Jun; Shimohigashi, Katsuhiro; Miyazawa, Kazuyuki; Kimura, Katsutaka; and Akiba, Takesada, 4,873,672, Cl. 365-218.000.

Akiba, Yosuke. Absorbent for a gas preservative atomosphere. 4,802,574, 2-7-89, Cl. 206-204.000.

Akiba, Yutaka: *See—*

Nakao, Takeshi; and Akiba, Yutaka, 4,803,674, Cl. 369-13.000.

Akieselskabet Nordiske Kabel - og Traadfabriker: *See—*

Nielsen, Ole K., 4,828,634, Cl. 156-49.000.

Akihara, Isao: *See—*

Koga, Shinichiro; Matsuno, Akira; Sakata, Katsuyuki; Ohtani, Yoshiaki; and Akihara, Isao, 4,839,458, Cl. 528-196.000.

Akiho, Ota, to Yoshino Kogyosho Co., Ltd. Container having collapse panels with longitudinally extending ribs. 4,805,788, 2-21-89, Cl. 215-1.00C.

Akima, Hideo: *See—*

Hoashi, Akira; Akima, Hideo; Maki, Takao; and Yamaki, Isao, 4,811,232, Cl. 364-426.020.

Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,825,371, Cl. 364-426.020.

Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,870,582, Cl. 364-426.020.

Shimanuki, Haruki; Miyake, Katsuya; Akima, Hideo; and Hoashi, Akira, 4,797,825, Cl. 364-426.020.

Shimanuki, Haruki; Akima, Hideo; and Hoashi, Akira, 4,807,133, Cl. 364-426.020.

Akima, Michitaka: *See—*

Koga, Hiroshi; Mori, Takashi; Dan, Takashi; and Akima, Michitaka, 4,816,479, Cl. 514-455.000.

Akimaru, Susumu: *See—*

Hoshi, Nobuyoshi; Anzai, Masayasu; Komatsu, Isamu; and Akimaru, Susumu, 4,822,702, Cl. 430-42.000.

Akimori, Norimi: *See—*

Takano, Nobuyoshi; Watanabe, Yoshio; Taichi, Yoshio; Akimori, Norimi; and Yoshida, Kasumi, 4,827,966, Cl. 137-115.000.

Akimoto, Hajime; Ozaki, Toshifumi; and Ohba, Shinya, to Hitachi, Ltd. Solid-state imaging device having an amplifying means in the matrix arrangement of picture elements. 4,809,075, 2-28-89, Cl. 358-213.180.

Akimoto, Hajime; Ando, Harushisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, to Hitachi, Ltd. Solid-state imaging device. 4,814,848, 3-21-89, Cl. 357-24.000.

Akimoto, Kazuhiko: *See—*

Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,836,652, Cl. 350-334.000.

Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,842,379, Cl. 350-347.00E.

Akimoto, Koichiro: *See—*

Suzuki, Yasuhito; Akimoto, Koichiro; Ohshima, Hajime; Honda, Kazuyuki; and Isaka, Yukio, 4,876,562, Cl. 346-160.000.

Akimoto, Kunio: *See—*

Matsubara, Akitoshi; Ikeuchi, Satoru; Akimoto, Kunio; and Takizawa, Yoshio, 4,795,689, Cl. 430-99.000.

Takagiwa, Hiroyuki; Takahashi, Jiro; Shirose, Meizo; Akimoto, Kunio; and Uchida, Masafumi, 4,877,704, Cl. 430-99.000.

Akimoto, Mamoru: *See—*

Hojo, Takeshi; Yamamoto, Kanshi; Kawada, Shinichi; Murabayashi, Kazushige; Akimoto, Mamoru; and Fukano, Michio, 4,879,918, Cl. 74-5.470.

Akimoto, Masuo: *See—*

Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,831,401, Cl. 354-319.000.

Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,843,412, Cl. 354-275.000.

Uenaka, Kazushige; Takase, Haruo; Utomo, Riuzi; and Akimoto, Masuo, 4,797,698, Cl. 354-275.000.

Akimoto, Taizo; Akisada, Masahide; Seiki, Takatoshi; Ookawa, Norio; Yoshino, Tatsuo; and Takamura, Yuji, to Fuji Photo Film Co., Ltd. Separate-exposure photographing apparatus. 4,799,072, 1-17-89, Cl. 354-76.000.

Akimoto, Taizo; Nishiyama, Mikio; Yazawa, Yoshiyuki; and Ohnishi, Hirohumi, to Fuji Photo Equipment Co., Ltd. Synchronizing signal generating circuit. 4,827,341, 5-2-89, Cl. 358-148.000.

Akimoto, Taizo: *See—*

Nishiyama, Mikio; and Akimoto, Taizo, 4,837,626, Cl. 358-183.000.

Nishiyama, Mikio; Yoshino, Tatsuo; and Akimoto, Taizo, 4,841,371, Cl. 358-244.000.

Yazawa, Yoshiyuki; Ohnishi, Hirofumi; Akimoto, Taizo; Washizu, Susumu; and Shoji, Tsuyoshi, 4,843,471, Cl. 358-160.000.

- Akimoto, Toshiyuki: *See—*
  - Ushizawa, Koji; Maki, Akemichi; Akimoto, Toshiyuki; Nagasaki, Senkichi; and Hirata, Miyoshi, 4,816,394, Cl. 435-26.000.
- Akimoto, Yoshiaki: *See—*
  - Yamaguchi, Isao; Akimoto, Yoshiaki; and Nagao, Taku, 4,822,789, Cl. 514-211.000.
- Akimov, Boris I.: *See—*
  - Azarevich, Gennady M.; Akimov, Boris I.; and Kirsanova-Belova, Elena V., 4,805,431, Cl. 72-70.000.
- Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kuzovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I. Composition for occlusion of ducts and cavities of human body. 4,847,065, 7-11-89, Cl. 424-5.000.
- Akin, Alfred A., Jr., to Bausch & Lomb Incorporated. Friction lock for optical adjustment. 4,867,533, 9-19-89, Cl. 350-2532.000.
- Akin, Joseph A., Jr.; and Baker, Thomas J., to EGN Services, Inc. Housing for a multi-function appliance. 4,828,171, 5-9-89, Cl. 237-19.000.
- Akinaga, Shiro: *See—*
  - Murakata, Chikara; Sato, Akira; Kasai, Masaji; Kobayashi, Eiji; Morimoto, Makoto; and Akinaga, Shiro, 4,877,776, Cl. 514-43.000.
- Akins, Charles G.: *See—*
  - Prohs, John R.; Akins, Charles G.; Efthyvoulos, Nicholas; Sandilands, Phillip E.; and Scheid, Michael R., 4,837,799, Cl. 379-224.000.
- Akins, E. William; and Fitzsimmons, Jeffrey R., to University of Florida. Cross-coupled double loop receiver coil for NMR imaging of cardiac and thoraco-abdominal regions of the human body. 4,817,612, 4-4-89, Cl. 128-653.000.
- Akins, Edward A. Injection of wrapped bale with anhydrous ammonia. 4,815,369, 3-28-89, Cl. 99-533.000.
- Akioka, Takao: *See—*
  - Imai, Shigetoshi; and Akioka, Takao, 4,871,162, Cl. 271-35.000.
- Akira, Mizusawa; and Kurihara, Kazumasa, to Nifco, Inc. Filter for fuel tank. 4,874,510, 10-17-89, Cl. 210-172.000.
- Akira, Toshiaki: *See—*
  - Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.
- Akira, Usuki, to Yugen Kaisha Hamazaki Hoso. Container having a built-in mill. 4,815,671, 3-28-89, Cl. 241-169.100.
- Akisada, Masahide, to Fuji Photo Film Co., Ltd. Apparatus for feed-in and ejection of chemical analysis slide. 4,826,659, 5-2-89, Cl. 422-63.000.
- Akisada, Masahide: *See—*
  - Akimoto, Taizo; Akisada, Masahide; Seiki, Takatoshi; Ookawa, Norio; Yoshino, Tatsuo; and Takamura, Yuji, 4,799,072, Cl. 354-76.000.
- Akishino, Katsuo: *See—*
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, 4,850,317, Cl. 123-306.000.
- Akita, Kazunori: *See—*
  - Tanaka, Nobuyuki; and Akita, Kazunori, 4,809,100, Cl. 360-96.100.
- Akita, Koichiro, to Mitsubishi Denki Kabushiki Kaisha. Telephone answering voiceprint discriminating and switching apparatus. 4,837,804, 6-6-89, Cl. 379-88.000.
- Akita, Shuichi: *See—*
  - Ohyama, Tetsuo; Akita, Shuichi; Watanabe, Hiroyuki; and Ueda, Akio, 4,848,511, Cl. 180-312.000.
- Akita, Tadashi: *See—*
  - Asakawa, Kazuo; Onda, Nobuhiko; Akita, Tadashi; and Kamada, Toru, 4,862,751, Cl. 73-862.040.
- Akita, Takayuki: *See—*
  - Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, 4,843,068, Cl. 514-63.000.
- Akita, Yoshihiro: *See—*
  - Sato, Yasuji; and Akita, Yoshihiro, 4,815,127, Cl. 379-417.000.
- Akita, Yoshisuke: *See—*
  - Takeuchi, Kunihiko; Akita, Yoshisuke; and Hayakawa, Osamu, 4,886,422, Cl. 417-20.000.
- Akiya, Takashi; and Hasegawa, Kenji, to Canon Kabushiki Kaisha. Recording medium and ink-jet recording process employing the same. 4,887,097, 12-12-89, Cl. 346-135.100.
- Akiya, Takashi: *See—*
  - Hasegawa, Kenji; Higuma, Masahiko; Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; and Morohoshi, Naoya, 4,832,984, Cl. 427-161.000.
  - Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.
  - Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi 4,868,581, Cl. 346-1.100.
  - Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, C 428-332.000.
- Akiyama, Akihiko; Higuchi, Kazuo; Okuhara, Hisakazu; Tabata, Hiroshi; and Kinoshita, Yoshiko, to Honda Giken Kogyo Kabushik Kaisha. Vehicle deceleration sensor. 4,864,086, 9-5-89, Cl. 200-61.530
- Akiyama, Akihiko: *See—*
  - Higuchi, Kazuo; Tabata, Hiroshi; Okuhara, Hisakazu; Saruwatar Hidetoshi; and Akiyama, Akihiko, 4,840,325, Cl. 242-107.200.
  - Tabata, Hiroshi; and Akiyama, Akihiko, 4,889,068, Cl. 116-203.00
- Akiyama, Eitetsu: *See—*
  - Osaki, Shunzaburo; and Akiyama, Eitetsu, 4,844,039, C 123-491.000.
- Akiyama, Haruhiko: *See—*
  - Tokuyama, Katsumi; Arai, Kanji; Ishikawa, Takuji; and Akiyama Haruhiko, 4,845,740, Cl. 379-91.000.
- Akiyama, Hideki; and Morita, Toyoo, to Yoshida Kogyo K. K. Slide handling apparatus. 4,839,963, 6-20-89, Cl. 29-766.000.
- Akiyama, Hiroo, to Nippon Gakki Seizo Kabushiki Kaisha. Disc playe 4,855,990, 8-8-89, Cl. 369-265.000.
- Akiyama, Hiroyuki; Sudo, Yoshimi; Kishida, Masahiko; and Nishida Mitsuru, to Japan Styrene Paper Corporation. Method of producin a foamed, molded article. 4,806,293, 2-21-89, Cl. 264-53.000.
- Akiyama, Hiroyuki; Izawa, Susumu; Kuwabara, Hideki; and Yamagu-chi, Toru, to Japan Styrene Paper Corporation. Production metho of prefoamed particles of polyolefin resin. 4,889,671, 12-26-89, C 264-53.000.
- Akiyama, Hitoshi: *See—*
  - Murota, Nobuo; and Akiyama, Hitoshi, 4,848,969, Cl. 405-215.00
- Akiyama, Ikuo, to NEC Corporation. CCD area image sensor operabl in both of line-sequential and interlace scannings and a method f operating the same. 4,816,916, 3-28-89, Cl. 358-213.290.
- Akiyama, Kazuhiro: *See—*
  - Fujita, Yoshihiro; Akiyama, Kazuhiro; and Takahashi, Mihar 4,831,404, Cl. 354-403.000.
- Akiyama, Kazuhisa: *See—*
  - Yabu, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Minor Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsug Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 34 700.0MS.
- Akiyama, Kazunori: *See—*
  - Takamatsu, Junichi; and Akiyama, Kazunori, 4,829,334, C 355-309.000.
  - Takamatsu, Junichi; and Akiyama, Kazunori, 4,875,077, C 355-212.000.
- Akiyama, Keiho: *See—*
  - Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiy Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keih and Kubo, Takashige, 4,882,690, Cl. 364-490.000.
- Akiyama, Keiji: *See—*
  - Nishioka, Akira; Hirano, Toshimi; and Akiyama, Keiji, 4,845,00 Cl. 430-165.000.
- Akiyama, Koji; Ohte, Akira; and Iwaoka, Hideto, to Yokogawa Ele tric Corporation. Semiconductor laser wavelength stabilize 4,833,681, 5-23-89, Cl. 372-32.000.
- Akiyama, Koji: *See—*
  - Iwaoka, Hideto; Ohte, Akira; and Akiyama, Koji, 4,856,899, C 356-346.000.
  - Tanaka, Eiichiro; Takimoto, Akio; Akiyama, Koji; Onomich Kyoko; Watanabe, Masanori; and Sakahara, Chisato, 4,886,71 Cl. 430-58.000.
- Akiyama, Kouichi: *See—*
  - Ishikawa, Muneharu; Akiyama, Kouichi; Ito, Eiichi; Kawamur Masunori; and Fujita, Akihiro, 4,830,494, Cl. 356-336.000.
- Akiyama, Mamoru: *See—*
  - Shigematsu, Sadao; and Akiyama, Mamoru, 4,829,123, C 525-28.000.
  - Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazu Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Mura Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.
- Akiyama, Minoru: *See—*
  - Ohishi, Kohji; Akiyama, Minoru; and Sekita, Ryuichi, 4,861,86 Cl. 528-272.000.
- Akiyama Printing Machinery Manfacturing Corp.: *See—*
  - Kojima, Yasutaka; and Watanabe, Yuhki, 4,833,985, C 101-401.100.
- Akiyama, Ryo, to Matsushita Electric Industrial Co., Ltd. Method accessing data recorded on a disk at a high speed. 4,809,094, 2-28-8 Cl. 360-72.100.
- Akiyama, Ryo: *See—*
  - Sakakibara, Yoshio; Akiyama, Ryo; Inatomi, Shoichi; and Em Noriyuki, 4,864,553, Cl. 369-50.000.
- Akiyama, Ryuichi: *See—*
  - Yamauchi, Takashi; Hasegawa, Morihiro; and Akiyama. Ryuich 4,811,780, Cl. 164-428.000.
- Akiyama, Saburo, to Central Glass Company, Limited. Pressure sens tive adhesive resin composition. 4,804,713, 2-14-89, Cl. 525-185.00
- Akiyama, Satoshi; and Saito, Yuuichi, to Mitsubishi Denki Kabushik Kaisha. Carry skip-ahead circuit for Manchester-type adder cha 4,827,444, 5-2-89, Cl. 364-787.000.
- Akiyama, Seiji: *See—*
  - Ishimura, Fumihiro; Ishikawa, Satoru; and Akiyama, Sei 4,857,469, Cl. 435-280.000.

- Akiyama, Setsuo: *See—*
  - Yoshikawa, Masato; Fukuura, Yukio; Akiyama, Setsuo; Nakamura, Makoto; Naito, Kazuo; and Honda, Toshio, 4,872,932, Cl. 156-151.000.
- Akiyama, Sigeo, to Matsushita Electric Works, Ltd. Solid state relay. 4,804,866, 2-14-89, Cl. 307-311.000.
- Akiyama, Sigeo, to Matsushita Electric Works, Ltd. Solid state relay and method of manufacturing the same. 4,873,202, 10-10-89, Cl. 437-62.000.
- Akiyama, Susumu: *See—*
  - Ina, Katsuhiro; Akiyama, Susumu; and Hirabayashi, Yuji, 4,800,499, Cl. 364-431.030.
  - Ina, Katsuhiro; Hirabayashi, Yuji; Minami, Kazuaki; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,843,557, Cl. 364-431.770.
  - Minami, Kazuaki; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,825,362, Cl. 364-200.000.
  - Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.
  - Sato, Yoshihisa; Hirabayashi, Yuji; Akiyama, Susumu; Ito, Katsunori; and Saito, Takao, 4,864,568, Cl. 371-8.200.
- Akiyama, Takao; Ito, Tetsuo; and Sumida, Isao, to Hitachi, Ltd. Nuclear power plant. 4,879,087, 11-7-89, Cl. 376-216.000.
- Akiyama, Tatsuhiko: *See—*
  - Mori, Ryuichiro; Akiyama, Tatsuhiko; and Fukudome, Katsuyuki, 4,884,124, Cl. 357-72.000.
- Akiyama, Teruo; and Morita, Koichi, to Kabushiki Kaisha Komatsu Seisakusho. Brake release mechanism. 4,813,518, 3-21-89, Cl. 188-170.000.
- Akiyama, Toru; Yasuda, Shigeru; Yasukawa, Kenichiro; and Fukatsu, Yasumasa, to Pioneer Electronic Corporation. Scanning method for disk player. 4,837,637, 6-6-89, Cl. 358-342.000.
- Akiyama, Toru, to Pioneer Electronic Corporation. Time-base error correction apparatus for video tape or disk player. 4,841.379, 6-20-89, Cl. 358-337.000.
- Akiyama, Toru, to Pioneer Electronic Corporation. Improved definition television set with external luminance and chrominance signal inputs. 4,882,625, 11-21-89, Cl. 358-140.000.
- Akiyama, Toru: *See—*
  - Okano, Takashi; and Akiyama, Toru, 4,835,623, Cl. 358-338.000.
  - Okano, Takashi; Akiyama, Toru; and Kanda, Masao, 4,853,781, Cl. 358-148.000.
  - Okano, Takashi; Akiyama, Toru; and Kanda, Masao, 4,853,914, Cl. 369-32.000.
  - Okano, Takashi; and Akiyama, Toru, 4,866,394, Cl. 328-109.000.
- Akiyama, Toshiyuki; Ozawa, Naoki; Ogino, Takeshi; and Takahashi, Kenji, to Hitachi, Ltd. Signal read-out apparatus for solid-state imager. 4,805,025, 2-14-89, Cl. 358-213.260.
- Akiyama, Toshiyuki: *See—*
  - Mimura, Itaru; Sato, Kazuhiro; Akiyama, Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, 4,825,291, Cl. 358-213.190.
  - Ozawa, Naoki; Akiyama, Toshiyuki; Takahashi, Kenji; Mimura, Itaru; and Nakano, Takahiro, 4,884,129, Cl. 358-44.000.
- Akiyama, Tsutomu: *See—*
  - Eguchi, Hitoshi; Akiyama, Tsutomu; Kobayashi, Toshiyuki; Okada, Michio; Takahashi, Minoru; and Osawa, Yukio, 4,847,528, Cl. 310-239.000.
- Akiyama, Yoshihiro; Naka, Teruyuki; Urata, Yoshihito; and Sasaki, Toshiharu, to Matsushita Electric Industrial Co., Ltd. Document reading apparatus. 4,816,921, 3-28-89, Cl. 358-256.000.
- Akiyama, Yoshihisa: *See—*
  - Araki, Hiroshi; Ishii, Hisao; Akiyama, Yoshihisa; Kamada, Hiroshi; and Nagatomi, Takashi, 4,870,744, Cl. 29-568.000.
- Akiyama, Yoshikazu: *See—*
  - Ishida, Mamoru; Inaki, Shunichi; Akiyama, Yoshikazu; and Kohata, Mitsuhiro, 4,883,766, Cl. 437-40.000.
- Akiyama, Yoshinobu; Yoshihashi, Sakashi; and Sakauchi, Iwao, to Kyodo Milk Industry Co., Ltd. Processing tofu or dough for processed tofu to result in meat-like texture. 4,880,659, 11-14-89, Cl. 426-656.000.
- Akiyoshi, Hideki; Tamura, Hiroshi; Kutami, Atsushi; and Takada, Yoshihiro, to Ricoh Company, Ltd. Electrophotographic photoconductor having cylindrical base support of specific phenol resin. 4,837,120, 6-6-89, Cl. 430-56.000.
- Akiyoshi, Hitoshi: *See—*
  - Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,829,944, Cl. 123-52.00M.
- Akiyoshi, Michio; and Hamada, Chiaki, to Toyota Jidosha Kabushiki Kaisha. Vehicle braking system for drive wheels. having means for determining a time for reducing braking pressure. 4,842,343, 6-27-89, Cl. 303-103.000.
- Akiyoshi, Michio: *See—*
  - Uchida, Kiyoyuki; Akiyoshi, Michio; and Tsuchiya, Yoshiaki, 4,824,183, Cl. 303-92.000.
- Akiyoshi, Mitsuo: *See—*
  - Asahina, Takashi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; Kodama, Satoru; and Tsujimoto, Masaharu, 4,870,896, Cl. 99-348.000.
  - Hirai, Kazumi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; and Hori, Ichiroh, 4,880,952, Cl. 219-10.55B.
  - Takano, Teruhisa; Yamasaki, Takahiko; and Akiyoshi, Mitsuo, 4,883,944, Cl. 219-492.000.
- Akiyoshi, Nobuhisa: *See—*
  - Suwa, Akio; and Akiyoshi, Nobuhisa, 4,827,074, Cl. 585-648.000.
- Akiyoshi, Nobuyasu; and Shimizu, Shigehisa, to Fuji Photo Film Co., Ltd. Side printing head assembly. 4,797,691, 1-10-89, Cl. 346-108.000.
- Akiyoshi, Yasushi: *See—*
  - Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Yasushi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,887,557, Cl. 123-52.0MC.
- Akiyoshi, Yoshirou: *See—*
  - Inoue, Yasuhiko; Matsuda, Masaaki; and Akiyoshi, Yoshirou, 4,797,264, Cl. 423-7.000.
- Akiyoshi, Yutaka; Kondo, Asaji; and Kitajima, Masao, to Fuji Photo Film Co., Ltd. Multilayer analysis element. 4,870,005, 9-26-89, Cl. 435-7.000.
- Akizuki, Ikuo; Kaya, Hiroshi; Okano, Shohei; Otake, Nobuo; Kumagai, Keiji; and Kaneko, Yoshihito, to Toa Nenryo Kogyo Kabushiki Kaisha. Hydrotreating catalyst and process of manufacture. 4,837,193, 6-6-89, Cl. 502-242.000.
- Akizuki, Minoru: *See—*
  - Hiraoka, Tetsuo; Seike, Shinji; Hatamura, Kouichi; and Akizuki, Minoru, 4,803,961, Cl. 123-52.0MV.
- Akizuki, Noboru: *See—*
  - Oba, Toshiro; Kuno, Michiaki; Akizuki, Noboru; and Inamori, Yoshimitsu, 4,866,650, Cl. 364-736.000.
- Akizuki, Seiichi: *See—*
  - Fujimori, Toshio; Honda, Takeyuki; Inagaki, Yoji; Yoshida, Fumio; and Akizuki, Seiichi, 4,848,142, Cl. 73-117.000.
- Akkala, Marc W.; and Hughes, Dennis R., to A. O. Smith Corporation. Water heater construction. 4,817,564, 4-4-89, Cl. 122-17.000.
- Akkapeddi, Murali K.; and Gervasi, Jay A., to Allied-Signal Inc. Amorphous copolyamide article of manufacture with moisture-insensitive oxygen barrier properties. 4,826,955, 5-2-89, Cl. 528-324.000.
- Akkapeddi, Murali K.; Bradley, David E.; and Gallagher, Thomas D., deceased (by Gallagher, Karen A., executrix), to Allied-Signal Inc. Reactive elastomeric block co-oligomer and lactam-block copolymers derived therefrom. 4,843,127, 6-27-89, Cl. 525-183.000.
- Akkapeddi, Murali K.; Haylock, John C.; and Gervasi, Jay A., to Allied-Signal Inc. Thermoplastic compositions containing acyllactam graft linkages. 4,847,322, 7-11-89, Cl. 525-10.000.
- Akkapeddi, Murali K.; and Gervasi, Jay A., to Allied-Signal Inc. Chain extension of polyethylene terephthalate with polyacyllactams. 4,857,603, 8-15-89, Cl. 525-437.000.
- Akkapeddi, Prasad R.; and Hufnagel, Robert E., to Perkin-Elmer Corporation, The. Contact lithographic fabrication of patterns on large optics. 4,810,621, 3-7-89, Cl. 430-321.000.
- Akkerman, Neil H.; and Dewey, Daniel O., to AVA International Corporation. Well installation in which electrical current is supplied for a source at the wellhead to an electrically responsive device located a substantial distance below the wellhead. 4,852,648, 8-1-89, Cl. 166-66.400.
- Akkermans, Antonius H. M.: *See—*
  - Smid, Albert; Akkermans, Antonius H. M.; Benschop, Jozef P. H.; and Rooyackers, Cornelis J. P. M., 4,861,982, Cl. 250-235.000.
- Akkermans, Gerardus P. M., to AT&T and Philips Telecommunications B.V. Decoding unit for CMI-encoded signals. 4,873,524, 10-10-89, Cl. 341-73.000.
- Akmese, Kemal. Dome structure. 4,873,796, 10-17-89, Cl. 52-80.000.
- Akoi, Katsutoshi; Fujiwara, Shuzo; Tanaka, Katsumi; Kakudate, Yozo; Yoshida, Masatake; and Usuba, Shu, to Japan as represented by Director General of Agency of Industrial Science and Technology. Solid-state polymerization of acetylene. 4,864,004, 9-5-89, Cl. 526-73.000.
- Akopov, Ernest M.; Schitinin, Valery E.; and Arapova, Anna V., to Vsesojuzny Nauchno-Issledovatelsky I Ispytatelny Institut Meditsinskoi Tekhniki. Surgical instrument. 4,802,578, 2-7-89, Cl. 206-339.000.
- Akred, Brian J.; Messenger, Edward T.; and Nicholson, William J., to Albright & Wilson Limited. Non-sedimenting liquid detergent compositions resistant to shear. 4,871,467, 10-3-89, Cl. 252-135.000.
- Akright, Michael V., to A. L. Hansen Manufacturing Company. Two-way rotary lock. 4,835,997, 6-6-89, Cl. 70-141.000.
- Akro Corporation: *See—*
  - Reuben, Harold, 4,804,567, Cl. 428-40.000.
  - Reuben, Harold, 4,856,654, Cl. 206-449.000.
- Akron City Hospital: *See—*
  - Elsey, Denise M., 4,854,309, Cl. 128-87.00R.
- Akselrod, Solange: *See—*
  - Gordon, David; Akselrod, Solange; Cohen, Richard J.; Tu, Jerome C.; Burns, Stephen K.; and DeLeon, Victoria H., 4,862,361, Cl. 364-413.060.
- Akshic Memories Corporation: *See—*
  - Scott, John C.; Li, Eric K.; Washburn, Hudson A.; and Viswanathan, Nal T., 4,880,514, Cl. 204-192.200.
- Aksins, William E.: *See—*
  - Radesky, Joseph A.; Brandt, Carl B.; Thomas, Gerald A.; and Aksins, William E., 4,856,225, Cl. 43-81.000.
- Aktiebaloget Electrolux: *See—*
  - Simonsson, Sven B., 4,831,686, Cl. 15-373.000.
- Aktiebolaget Bofors: *See—*
  - Axinger, Jan; Bergman, Bernt-Olov; Johansson, Ingemar; Lonnermo, Tomas; Paulsson, Lars; and Persson, Per-Olof, 4,829,903, Cl. 102-384.000.
  - Brattstrom, Leif; Gustafsson, Hans; Strom, Tommy; Arvidsson, Bertil; and Cergeus, Sture, 4,831,936, Cl. 102-476.000.
  - Calsson, Staffan; Boberg, Tore; and Sjogvist, Conny, 4,853,052, Cl. 149-109.600.
  - Franzen, Arne; and Johansson, Villy, 4,846.071, Cl. 102-490.000.

Gellerstedt, Nils; and Johansson, Siv, 4,833,992, Cl. 102-337.000.

Johansson, Arne; and Larsson, Torsten, 4,848,240, Cl. 104-10.000.

Persson, Per-Olof; Albrektsson, Kjell; Axinger, Jan; Fixell, Jan-Olof; and Hyvarinen, Jari, 4,858,532, Cl. 102-387.000.

Åstrom, Bert; and Nygards, Olof, 4,876,961, Cl. 102-254.000.

Svanstrom, Rune, 4,798,123, Cl. 89-34.000.

Wistling, Roger, 4,797,782, Cl. 361-384.000.

Wistling, Roger, 4,807,088, Cl. 361-424.000.

Aktiebolaget Bygg-Och Transportekonomi (BT): *See—*

Jarl, Bernt; and Gustafsson, Tore, 4,805,710, Cl. 180-38.020.

A.B. Chance Company: *See—*

Brown, Robert A.; and Clark, Daren A., 4,795,996, Cl. 337-169.000.

Aktiebolaget Draco: *See—*

Andersson, Paul H.; Andersson, Per T.; Axelsson, Bengt I.; Thalen, Bror A.; and Trofast, Jan W., 4,804,655, Cl. 514-179.000.

Brattsand, Ralph L.; and Thalen, Bror A., 4,820,700, Cl. 514-174.000.

Kjellin, Per G.; and Persson, Carl G. A., 4,804,664, Cl. 514-263.000.

Wetterlin, Kjell I. L., 4,805,811, Cl. 222-337.000.

Aktiebolaget Electrolux: *See—*

Andreasson, Bo C.; Henriksson, Soren N.; and Karreman, Lars-Olof, 4,841,920, Cl. 123-41.660.

Farquhar, George N., 4,799,468, Cl. 123-400.000.

Granath, Håkan A.; and Pettersson, Bror G. G., 4,846,301, Cl. 181-230.000.

Johansson, Erik K. G.; and Fahlen, Lennart K., 4,805,257, Cl. 15-327.00R.

Johansson, Jan A.; Jonsson, Jan I.; and Lindstrom, Bjorn T., 4,875,555, Cl. 187-9.00R.

Johansson, Jan-Erik, 4,801,253, Cl. 417-427.000.

Linduist, Tommy N.; Vukotic, Milos; Hedin, Ann-Christine; and Francke, Kurt O., 4,809,398, Cl. 15-339.000.

Naslund, Ulf W., 4,850,824, Cl. 417-500.000.

Ohman, Carl G., 4,797,557, Cl. 250-561.000.

Peterson, Christer C. I., 4,822,971, Cl. 219-85.220.

Rangert, Bo R.; and Wahlstrand, Karl-Gustav O., 4,813,525, Cl. 192-415.000.

Rubbmark, Jan R.; Unruh, Leif A.; Bjernstad, Bjorn L. G.; Olsson, Nils E. H.; and Gerlach, Mariusz, 4,810,957, Cl. 324-61.00R.

Rubbmark, Jan R., 4,869,395, Cl. 221-131.000.

Aktiebolaget Hassle: *See—*

Falk, Karl-Erik L.; Hugosson, Sven M.; Rosinski, Adam; and Sjogren, John A., 4,803,081, Cl. 424-488.000.

Lovgren, Kurt I.; Pilbrant, Ake G.; Yasumura, Mitsuru; Morigaki, Satoshi; Oda, Minoru; and Ohishi, Naohiro, 4,853,230, Cl. 424-466.000.

Aktiebolaget IRO: *See—*

Jacobsson, Kurt A. G., 4,832,270, Cl. 242-47.010.

Jacobsson, Kurt A. G., 4,835,988, Cl. 66-132.00T.

Jacobsson, Kurt A. G., 4,860,558, Cl. 66-163.000.

Tholander, Lars H. G., 4,796,675, Cl. 139-452.000.

Tholander, Lars H. G., 4,848,416, Cl. 139-435.000.

Aktiebolaget Leo: *See—*

Lindahl, Ake R.; and Ekman, Bo M., 4,824,678, Cl. 424-473.000.

Lindskog, Inga M.; Sjogren, Bengt C. H.; and Andersson, Sven-Borje, 4,871,543, Cl. 424-432.000.

Aktiebolaget Profor: *See—*

Sjostrand, Uno, 4,856,646, Cl. 198-836.000.

Aktiebolaget SKF: *See—*

Lachonius, Leif; and Abbestam, Goran, 4,856,643, Cl. 198-627.000.

Aktiebolaget Svensk Eldental: *See—*

Olsen, Hans, 4,869,277, Cl. 15-167.100.

Aktiengesellschaft Kuehnle, Kopp & Kausch: *See—*

Hotz, Stephan, 4,836,747, Cl. 415-163.000.

Linck, Klaus; Schmitt, Bernd; and Nottrott, Joachim, 4,815,931, Cl. 415-121.00A.

Aktieselskabet Bruel & Kjar: *See—*

Christensen, Jorgen, 4,808,921, Cl. 324-204.000.

Erling, Frederiksen, 4,887,300, Cl. 381-168.000.

Nexo, Sten A.; Christensen, Jorgen; and Jorgensen, Ib E., 4,818,882, Cl. 250-343.000.

Aktieselskabet de Danske Sukkerfabrikker: *See—*

Jensen, Arne S.; Winstrom-Olsen, Bjarne; and Borreskov, Jorgen, 4,813,155, Cl. 34-57.00E.

Aktieselskabet Laur. Knudsen Nordisk Elektricitets Selskab: *See—*

Kindberg, Erik; and Lythcke-Jorgensen, Jan, 4,808,777, Cl. 200-323.000.

Aktieselskabet Nordiske Kabel-og Traadfabriker: *See—*

Andersen, Ole R., 4,816,669, Cl. 250-227.000.

Maaloe, Jens; Budinka, Rudolf; and Andersen, Svend V., 4,813,042, Cl. 371-16.000.

Aktieselskabet Thomas Ths. Sabroe & Co.: *See—*

Buus, Peter, 4,827,734, Cl. 62-354.000.

Aktik, Metin, to Mitel Corp. Photosensitive diode element and array. 4,866,499, 9-12-89, Cl. 357-30.000.

Aktogu, Nurgun; and Clemence, Francois, to Roussel UCLAF. 17-aza-20,21, dinoreburnamenines. 4,886,802, 12-12-89, Cl. 514-250.000.

Akutagawa, Hitoshi; and Shigemasa, Masayoshi, to Mazda Motor Corporation. Belt-pulley type steplessly variable transmission assembly. 4,817,458, 4-4-89, Cl. 74-665.0GE.

Akutagawa, Kiyoshi: *See—*

Kurami, Kunihiko; and Akutagawa, Kiyoshi, 4,797,835, Cl. 364-513.000.

Akutagawa, Susumu: *See—*

Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,886,623, Cl. 252-299.650.

Noyori, Ryoji; Kitamura, Masato; Takaya, Hidemasa; Kumobaya shi, Hidenori; and Akutagawa, Susumu, 4,851,537, Cl 546-146.000.

Akuto, Keiji, to Nippon Telegraph and Telephone Corporation. Sec ondary battery and method of manufacturing the same. 4,889,777 12-26-89, Cl. 429-162.000.

Akutsu, Eiichi; Soga, Hiroo; Saito, Hiroshi; Saito, Koichi; and Horie Kiyoshi, to Fuji Xerox Co., Ltd. Recording head. 4,835,552, 5-30-89 Cl. 346-139.00C.

Akutsu, Eiichi: *See—*

Saito, Koichi; Akutsu, Eiichi; Fujimura, Yoshihiko; and Inoue Nanao, 4,799,068, Cl. 346-1.100.

Akutsu, Fumio: *See—*

Ota, Masanori; Akutsu, Fumio; and Takahashi, Kazuo, 4,886,857 Cl. 525-74.000.

Akutsu, Hidetoshi; Iwamura, Takuro; and Kobayashi, Masao, to Mi subishi Kinzoku Kabushiki Kaisha. Semiconductor device having copper alloy leads. 4,872,048, 10-3-89, Cl. 357-67.000.

Akutsu, Hidetoshi, to Mitsubishi Kinzoku Kabushiki Kaisha. Synchro nizer ring in speed variator made of wear-resistant copper alloy having high strength and toughness. 4,874,439, 10-17-89, C 148-433.000.

Akutsu, Hiromichi: *See—*

Hosoi, Sugao; and Akutsu, Hiromichi, 4,834,071, Cl. 128-6.000.

Akutsu, Kenzo; and Shiraishi, Takashi, to Sanko Giken Kogyo Co Ltd.; and OEM Systems Co., Ltd. Method and aparatus for observing the internal surface of a small hole. 4,865,448, 9-12-89, C 356-241.000.

Akutsu, Mitsuo; and Tabata, Keiji, to Adeka Argus Chemical Co., Lt Process for producing ceramic molding. 4,889,672, 12-26-89, C 264-63.000.

Akutsu, Naoji: *See—*

Tanuma, Jiro; Akutsu, Naoji; and Kasai, Tadashi, 4,825,133, C 318-113.000.

Akutsu, Shigeru; Matsumura, Yasushi; and Hattori, Ryuichi, to Hous Food Industrial Company Limited; and Tokuda Seisakusho Co., Lt Apparatus for swelling and drying foods under reduced pressur 4,809,596, 3-7-89, Cl. 99-472.000.

Akutsu, Shigeru; and Tsuchiya, Kiyoshi, to Mitsuba Electric Manufac turing Co., Ltd. Alternating current generator for use in a vehicl 4,859,894, 8-22-89, Cl. 310-239.000.

Akutsu, Shoji, to Kokusan Kinzoku Kogyo Kabushiki Kaisha. Vehic locking and unlocking system. 4,866,433, 9-12-89, Cl. 340-825.310.

Akutsu, Shouji, to Kokusan Kinzoku Kogyo Kabushiki Kaisha. Vehic use-locking and unlocking system. 4,811,013, 3-7-89, Cl. 340-825.31

Akutsu, Shouji, to Kokusan Kinzoku Kogyo Kabushiki Kaisha. Veh cle-use locking and unlocking system. 4,835,533, 5-30-89, C 340-825.310.

Akutsu, Shouji: *See—*

Namazue, Hirotoshi; and Akutsu, Shouji, 4,827,744, Cl. 70-252.00

Akutsu, Takashi: *See—*

Matsubara, Akinori; Tsutsumi, Kenichi; Kaneko, Youji; Akuts Takashi; and Tateishi, Naofumi, 4,854,209, Cl. 84-1.010.

Akutsu, Yoji: *See—*

Wada, Takeshi; Kita, Hisanao; Karatsu, Yoshinori; and Akuts Yoji, 4,794,688, Cl. 29-599.000.

Akutsu, Yoshinori; Nakano, Takaharu; Saho, Takahiro; Ohtak Nobumasa; Yasuda, Hirofumi; and Kimura, Tamio, to Chisso Corp ration. Polysiloxane containing hydroxyl groups and a silicone-mod fied polyurethane using the same. 4,839,443, 6-13-89, Cl. 525-474.00

Akzo America Inc.: *See—*

Aaronson, Alan M.; Protzmann, Robert L.; and Tomko, Joh 4,822,916, Cl. 568-34.000.

Band, Elliot I.; and Eberhart, Suzanne T., 4,885,378, C 556-426.000.

Estes, William E.; Deatcher, John H.; and Whitwell, George E 4,801,507, Cl. 428-450.000.

Fesman, Gerald, 4,880,844, Cl. 521-107.000.

Frank, Dieter; Metcalfe, Lincoln D.; and Park, John Y., 4,806,52 Cl. 502-402.000.

Gregory, Vernon C., 4,858,073, Cl. 361-388.000.

Hardy, Thomas A.; and Walsh, Edward N., 4,808,744, C 558-163.000.

Hardy, Thomas A.; and Walsh, Edward N., 4,820,854, C 558-119.000.

Hardy, Thomas A.; and Walsh, Edward N., 4,883,891, C 558-161.000.

Hardy, Thomas A.; and Walsh, Edward N., 4,883,892, C 558-164.000.

Hardy, Thomas A.; and Walsh, Edward N., 4,886,895, C 558-161.000.

Leone-Bay, Andrea, 4,825,012, Cl. 568-902.000.

Mirviss, Stanley B., 4,845,271, Cl. 260-405.500.

Mullin, Geralyn, 4,879,052, Cl. 252-32.500.

Page, Theron V., Jr.; Boydston, Thomas F.; and Posa, John C 4,844,006, Cl. 118-719.000.

Parr, William J., 4,798,860, Cl. 524-409.000.

Parr, William J.; Mack, Arthur G.; and Moy, Paul Y. Y., 4,801,62 Cl. 523-179.000.

Reineke, Karl E., 4,820,853, Cl. 558-99.000.

Sherif, Fawzy G., 4,804,649, Cl. 505-1.000.

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Al-Harbi, Tarik S. Infant bottle timer apparatus. 4,860,684, 8-29-89, Cl. 116-308.000.

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Al-Rawi, Omar M. A. Telephone dialing system. 4,815,125, 3-21-89, Cl. 379-357.000.

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Alajoutsijarvi, Juhani; Ehrola, Juha; Ilmarinen, Antti; and Verkasalo, Matti, to Valmet Oy. Method for stabilizing a glide shoe of a roll adjustable in zones, a roll making use of this method, and a hydrodynamic or hydrostatic glide shoe for the roll. 4,825,520, 5-2-89, Cl. 29-116.100.

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Alam, Abu S.; Koziol, Kenneth J.; and Kapoor, John N., to Lyphomed, Inc. Cyclophosphamide. 4,879,286, 11-7-89, Cl. 514-110.000.

Alam, Abu S.; Joshi, Utpal G.; Mehta, Jairaj U.; Sayeed, Fakrul A. A.; and Kapoor, John N., to LyphoMed, Inc. Aqueous nitroglycerin injection and manufacturing process. 4,879,308, 11-7-89, Cl. 514-509.000.

Alam, M. Aftab; and Manzur, Akkas, to Western Atlas International, Inc. Method for extending the lateral subsurface coverage in VSP surveys. 4,847,813, 7-11-89, Cl. 367-57.000.

Alameda, Daniel; and Cooper, Scott, to Rubber Band Technology. Apparatus and method for rapid transport of an elastic band. 4,881,868, 11-21-89, Cl. 414-773.000.

Alameel, George M.; and Petrunia, Alexander, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Opto-electronic and optical fiber interface arrangement. 4,861,134, 8-29-89, Cl. 350-96.200.

Alameel, George M.; and Hammond, Rodney W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Self-adjusting optical fiber connector assembly. 4,881,792, 11-21-89, Cl 350-96.200.

Alaphilippe, Claude, to Dunlop Limited a British Company. Fluid pressure devices. 4,832,317, 5-23-89, Cl. 267-64.270.

Alar Engineering Corporation: *See—*

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- Alard, Michel: *See—*
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- Alarm Accessory, Ltd.: *See—*
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- Alasafi, Khaldoun: *See—*
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- Alavanja, Milan: *See—*
  - Pielet, Howard M.; Frank, Larry A.; Edgar, William; and Alavanja, Milan, 4,881,990, Cl. 148-320.000.
- Alaybayoglu, Erdem; Anderson, Ian D.; and Griffin, Robert J., to Niagara Medical Innovations Inc. Light source assembly. 4,823,244, 4-18-89, Cl. 362-194.000.
- Alazet, Jean, to Pilus. Depilating appliance. 4,800,881, 1-31-89, Cl. 128-355.000.
- Alazet, Jean. Depilating appliance. 4,830,004, 5-16-89, Cl. 128-355.000.
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- Alba, Emilio C., to Gibbs & Hill Espanola, S.A. Cibernetic fountain apparatus and valve therefor. 4,844,341, 7-4-89, Cl. 239-18.000.
- Albach, Eberhard R.: *See—*
  - Callies, Gerald A.; Albach, Eberhard R.; Conour, John F.; and Herrington, Richard A., 4,835,040, Cl. 428-215.000.
- Albach, Manfred; Schafer, Ralf; Stormberg, Hans-Peter; and Wegener, Armin, to U.S. Philips Corp. Circuit arrangement for operating high-pressure gas discharge lamps. 4,812,736, 3-14-89, Cl. 323-224.000.
- Albach, Manfred, to U.S. Philips Corp. Power-supply circuit. 4,821,166, 4-11-89, Cl. 363-89.000.
- Albagnac, Rene D. M., to S.A.T. (Societe Anonyme de Telecommunications). Rotary and sealed connection for pressurized fluids. 4,824,124, 4-25-89, Cl. 277-188.00R.
- Albal, Nandakishore A.; and Goyal, Praduemn K., to Racal Data Communications Inc. Node architecture for communication networks. 4,821,265, 4-11-89, Cl. 370-110.100.
- Albanese, James J., to United Industries Corporation. Air freshener preparations. 4,826,674, 5-2-89, Cl. 424-45.000.
- Albanese, Sam: *See—*
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- Albanese, Victor A. Convertible bench/table. 4,801,175, 1-31-89, Cl. 297-124.000.
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- Albany International Corp.: *See—*
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  - Bolton, Joseph A.; and Harbaugh, Steven K., 4,857,747, Cl. 250-559.000.
  - Boyer, Donald R.; and Crook, Robert L., 4,795,480, Cl. 51-296.000.
  - Coplan, Myron, 4,865,736, Cl. 210-321.790.
  - Coplan, Myron J.; and Giglia, Salvatore, 4,812,184, Cl. 156-84.000.
  - Dutt, William H., 4,799,998, Cl. 162-348.000.
  - Dutt, William H., 4,847,116, Cl. 427-195.000.
  - Fitzpatrick, Keith, 4,882,217, Cl. 428-212.000.
  - Josef, Michael J., 4,829,681, Cl. 34-123.000.
  - Meirowitz, Randy E.; and Kramer, Charles E., 4,822,454, Cl. 162-199.000.
  - Romanski, Eric R., 4,812,185, Cl. 156-86.000.
  - Scarano, Robert V.; and Bolton, Joseph A., 4,795,131, Cl. 251-63.000.
- Albany Medical College of Union University: *See—*
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- Albany Research (UK) Limited: *See—*
  - Davis, Robert B.; Kramer, Charles E.; and Barlow, Sandra K., 4,874,660, Cl. 428-234.000.
- Albarda, Scato: *See—*
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  - Heim, Ulrich; and Albarda, Scato, 4,798,689, Cl. 261-39.100.
- Albarella, James P.; and Buckler, Robert T., to Miles Inc. Enzyme-labeled antibody reagent with polyalkyleneglycol linking group. 4,810,638, 3-7-89, Cl. 435-7.000.
- Albarella, James P.; Noell, J. Oakey; Vogelhut, Paul O.; and Ward, deceased, Frederick E., to Miles Inc. Functionalized conducting polymers and their use in diagnostic devices. 4,886,625, 12-12-89, Cl. 252-500.000.
- Albeck, Michael; and Grossman, Shlomo, to Bar-Ilan University. Antioxidant compositions and methods. 4,857,325, 8-15-89, Cl. 424-195.100.
- Albee, Alan J., to GenRad, Inc. Method of in-circuit testing. 4,862,069, 8-29-89, Cl. 324-73.00R.
- Alber Corporation: *See—*
  - Ronlan, Alvin, 4,867,792, Cl. 106-189.000.
- Alberghini, Alfred C.; and Lynn, Stephen R., to Sewell Plastics, Inc. Bottle with non-everting hand grip. 4,804,097, 2-14-89, Cl. 215-100.00A.
- Alberghini, Alfred C.: *See—*
  - Herron, Gene A.; Nickel, Gerhard E. B.; and Alberghini, Alfred C., 4,813,557, Cl. 215-329.000.
- Alberico, Joseph S.; Corsetti, Carmine; and Brandolino, Fiore. Valve box stabilizer. 4,819,687, 4-11-89, Cl. 137-367.000.
- Alberino, Louis M.; Carleton, Peter S.; and Waszeciak, Douglas P., to Dow Chemical Company, The. Method for making mat-molded rim parts. 4,810,444, 3-7-89, Cl. 264-102.000.
- Alberkrack, Jade H. and Pace, W. David, to Motorola, Inc. Dual channel current mode switching regulator. 4,825,144, 4-25-89, Cl. 323-272.000.
- Albers Technologies Corporation: *See—*
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- Albers, Walter F.; and Beckman, James R., to Albers Technologies Corporation. Method and apparatus for simultaneous heat and mass transfer. 4,832,115, 5-23-89, Cl. 165-104.310.
- Albersdoerfer, Otto, to Siemens Aktiengesellschaft. Interrogation-answering system with a primary radar. 4,851,849, 7-25-89, Cl. 342-43.000.
- Albersodorfer, Gernot; and Swoboda, Reiner, to Riedhammer GmbH und Co. KG. Means and method for heat treatment of green bodies. 4,846,678, 7-11-89, Cl. 432-137.000.
- Albert, Alban I.; and Zilliken, Friedrich W., to Zyma SA. Benzopyrans and use thereof in treating vascular diseases. 4,814,346, 3-21-89, Cl. 514-454.000.
- Albert, Albert F., to Combustion Research & Technology, Inc. Continuous combustion heat engine. 4,864,814, 9-12-89, Cl. 60-39.630.
- Albert, Barry R., to Emhart Industries, Inc. Wheel assembly and method of forming such assembly. 4,822,111, 4-18-89, Cl. 301-63.0DD.
- Albert, Bernhard: *See—*
  - Flohr, Helmut; Jesse, Joachim; Albert, Bernhard; and Neumann, Peter, 4,851,549, Cl. 549-206.000.
  - Schrott, Wolfgang; Neumann, Peter; Albert, Bernhard; Thomas, Michael; Barzynski, Helmut; Schomann, Klaus-Dieter; and Kuppelmaier, Harald, 4,806,664, Cl. 556-136.000.
- Albert, Devon: *See—*
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- Albert Einstein College of Medicine of Yeshiva University: *See—*
  - Atkinson, Paul H.; Bellamy, A. Richard; Both, Gerald W.; and Poruchynsky, Marianne S., 4,861,864, Cl. 530-324.000.
  - Bhargava, Kuldeep K.; Chervu, Lakshman R.; and Blaufox, M Donald, 4,883,650, Cl. 424-1.100.
  - Burns, Edward R.; Wenz, Barry; and Goldberg, Shraga N., 4,822,745, Cl. 436-63.000.
  - Chervu, Lakshman R.; Bhargava, Kuldeep K.; and Blaufox, M Donald, 4,883,862, Cl. 530-331.000.
  - Freundlich, Lawrence F.; Murthy, Vadiraja V.; and Karmen, Arthur, 4,857,454, Cl. 435-7.000.
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- Albert-Frankenthal AG: *See—*
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  - Kuhner, Rudolf; Schmitt, Gunter K.; and Stab, Rudolf, 4,861,326, Cl. 493-359.000.
  - Stab, Rudolf; and Sonnenberg, Hans-Peter, 4,817,932, Cl. 270-47.000.
- Albert, Gregory P., to Ingersoll-Rand Company. Governor device. 4,797,074, 1-10-89, Cl. 418-41.000.
- Albert Handtmann Elteka GmbH & Co KG: *See—*
  - Handtmann, Albert A.; Haupt, Gunter; Gebhard, Erwin; Fischer, Franz; and Schroder, Valentin, 4,867,638, Cl. 415-172.100.
- Albert, Henry J.: *See—*
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- Albert, Karl-Heinz: *See—*
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- Albert Koch: *See—*
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- Albert, Robert J.; and Martyn, Paul P., to COE Corporation. Plural diaphragm valve. 4,794,940, 1-3-89, Cl. 137-1.000.
- Albert Rolland, S.A.: *See—*
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  - Hugelin, Andre; and Thal, Claude, 4,835,184, Cl. 514-554.000.
- Albert Schulte Sohne GmbH & Co.: *See—*
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- Albert, William C., to Singer Company, The. Monolythic resonator vibrating beam accelerometer. 4,804,875, 2-14-89, Cl. 310-323.000.
- Albert, William C., to Crystal Gage Inc. Load cell having digital output. 4,838,369, 6-13-89, Cl. 177-210.0FP.
- Albert, Winfried: *See—*
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- Alberta Energy Company Ltd.: *See—*
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- Alberta RTR Oil Sands (Ltd.): *See—*
  - Corti, Aldo; and Falcon, John A., 4,828,688, Cl. 208-391.000.
- Albertelli, Aldino; Hohmann, Lothar M.; and Curtis, Anthony N., to Company "A" (Foam) Limited. Foamed plastic materials. 4,843,103, 6-27-89, Cl. 521-83.000.
- Alberti, Giulio; Bartoli, Francesco; Constantino, Umberto; Di Gregorio, Francesco; and Valentini, Claudio, to Eniricerche S.p.A. Zirconium phosphate and method for its preparation. 4,826,663, 5-2-89, Cl. 423-157.000.
- Alberti, Romano: *See—*
  - Zurru, Sergio; and Alberti, Romano, 4,856,314, Cl. 72-263.000.
- Alberts, Alfred H.: *See—*
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- Alberts, Alfred W.; and Greenspan, Michael D., to Merck & Co., Inc. Treatment of diabetic ketoacidosis. 4,873,260, 10-10-89, Cl. 514-449.000.
- Alberts, Heinrich; and Alteweier, Hans-Bernd, to Bayer Aktiengesellschaft. Polyether siloxane graft polymers. 4,812,364, 3-14-89, Cl. 428-447.000.
- Alberts, John: *See—*
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- Albertson, Walter: *See—*
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- Alberty, Thomas: *See—*
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- Albetski, Eric J.: *See—*
  - Blair, David J.; Izzarelli, Kathy L.; Albetski, Eric J.; and Parent, Cyr J., 4,869,589, Cl. 351-243.000.
- Albien, Klaus; and Maurer, Gunter, to Rhodia AG. Consolidated nonwoven fabrics and process for producing them. 4,818,594, 4-4-89, Cl. 428-224.000.
- Albin Pump Aktiebolag: *See—*
  - Jonsson, Olov T.; and Carlsson, Sune R., 4,813,860, Cl. 425-142.000.
- Albin, Sacharia: *See—*
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- Albino, Anthony; Cairncross, J. Gregory; Eisinger, Magdalena; Houghton, Alan N.; and Old, Lloyd, to Sloan-Kettering Institute for Cancer Research. Monoclonal antibodies against melanocytes. 4,806,628, 2-21-89, Cl. 530-387.000.
- Albinsson, Carl G. U., to Steridose Systems AB. Connection device avoiding contamination. 4,804,015, 2-14-89, Cl. 137-614.030.
- Albion International, Inc.: *See—*
  - Ashmead, Harvey H., 4,830,716, Cl. 204-72.000.
  - Ashmead, Harvey H.; Ashmead, H. Dewayne; and Graff, Darrell J., 4,863,898, Cl. 514-6.000.
- Albizzati, Enrico, to Montedison S.p.A. Process for the polymerization of alpha-olefins or of their mixtures with minor amounts of ethylene, by means of catalysts comprising solid components or precursors and such components, in the form of microspheroidal particles. 4,804,798, 2-14-89, Cl. 585-512.000.
- Albizzati, Enrico; Ceresa, Emiliano M.; and Zaninetta, Luciano, to Montedison S.p.A. Process for preparing fine particles of metal oxides. 4,808,397, 2-28-89, Cl. 423-608.000.
- Albizzati, Enrico, to Montedison S.p.A. Process for preparing solid components for catalysts, or precursors of such components, in the form of microspheroidal particles, suitable for the preparation of ethylene polymers. 4,855,272, 8-8-89, Cl. 502-119.000.
- Albizzati, Enrico: *See—*
  - Canova, Luciano; Giannini, Umberto; Albizzati, Enrico; Borghi, Italo; and Proto, Antonio, 4,889,896, Cl. 525-375.000.
- Albom, Bradley S.: *See—*
  - Mezei, Louis M.; Albom, Bradley S.; Coppock, Stan; Moehle, Stephen J.; Noorda, Brent S.; Widunas, Joseph T.; and Zeitlin, James A., 4,873,633, Cl. 364-413.080.
- Albonetti, Alberto. Radiant wall for heat exchangers, muffle kilns and similar equipment. 4,850,860, 7-25-89, Cl. 432-59.000.
- Albonetti, Francesco. High speed firing method and kiln, in particular for ceramic materials such as tiles and the like. 4,828,489, 5-9-89, Cl. 432-5.000.
- Albouy, Pierre: *See—*
  - Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
- Albracht, Karl L.; and Walker, William J., to BS&B Safety Systems, Inc. Pressure relief device with conical reverse buckling disc. 4,838,447, 6-13-89, Cl. 220-89.00A.
- Albrecht, Allan J., to Wausau Machine and Technology, Inc. Triple-purpose attachment. 4,845,867, 7-11-89, Cl. 37-117.500.
- Albrecht, Bernhard; and Beyrich, Jurgen, to Ciba-Geigy Corporation. Process for the preparation of chloronitroanilines and chloronitrophenols. 4,879,415, 11-7-89, Cl. 564-412.000.
- Albrecht, David E. Insert means for fluid flow system. 4,848,405, 7-18-89, Cl. 137-884.000.
- Albrecht, David E. Adapter fitting. 4,887,850, 12-19-89, Cl. 285-137.100.
- Albrecht, David E. Adapter fitting. 4,889,369, 12-26-89, Cl. 285-39.000.
- Albrecht, Harry A.; Konzelmann, Frederick M.; and Keith, Dennis D., to Hoffmann-La Roche Inc. β-lactam antibacterial agents. 4,831,130, 5-16-89, Cl. 540-363.000.
- Albrecht, Helen J.: *See—*
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- Albrecht, Joachim; and Duerig, Thomas, to BBC Brown, Boveri & Company Limited. Composite material in rod, tube, strip, sheet or plate shape with reversible thermomechanical properties and process for its production. 4,808,246, 2-28-89, Cl. 148-11.50Q.
- Albrecht, Klaus, to Rohm GmbH. Method for polymerizing a methyl methacrylate molding composition. 4,833,221, 5-23-89, Cl. 526-64.000.
- Albrecht, Konrad; and Frisch, Gerhard, to Hoechst Aktiengesellschaft. Liquid pesticidal compositions in the form of suspension concentrates. 4,804,399, 2-14-89, Cl. 71-93.000.
- Albrecht, Konrad: *See—*
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  - Rochling, Hans; and Albrecht, Konrad, 4,870,103, Cl. 514-521.000.
- Albrecht, Lance M.; Pasquini, Mario; and Schreyer, William M., to Food Automation-Service Techniques, Inc. Plural cooking computer communication system. 4,812,963, 3-14-89, Cl. 364-131.000.
- Albrecht, Larry. Fishing arrow. 4,807,382, 2-28-89, Cl. 43-6.000.
- Albrecht, Larry, to Digital Equipment Corporation. Eccentric shock isolation grommet. 4,821,368, 4-18-89, Cl. 16-2.000.
- Albrecht, Laurence J.: *See—*
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- Albrecht, Leonard N.; and Burke, Steven R., to Haining, Alvin S.; and Haining, Katherine R. Compact toilet seat cover. 4,875,242, 10-24-89, Cl. 4-243.000.
- Albrecht, Peter. Device for the metered dispensation and registration of liquids. 4,795,060, 1-3-89, Cl. 222-17.000.
- Albrecht, Peter; Reymann, Wolfgang; Vogel, Klaus; and Werner, Hermann, to Krupp Corpoplast Maschinenbau GmbH. Process and apparatus for producing hollow bodies from thermoplastic material. 4,828,783, 5-9-89, Cl. 264-292.000.
- Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, to Krupp Corpoplast Maschinenbau GmbH. Process for producing hollow bodies from thermoplastic material. 4,847,032, 7-11-89, Cl. 264-322.000.
- Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, to Krupp Corpoplast Maschinenbau GmbH. Process for forming a flange on a hollow body of thermoplastic material. 4,867,929, 9-19-89, Cl. 264-521.000.
- Albrecht, Raymond E., to H. H. Robertson Company. Access floor system. 4,850,162, 7-25-89, Cl. 52-126.600.
- Albrecht, Ronald E.: *See—*
  - Polk, Gary C.; Larson, Steve A.; and Albrecht, Ronald E., 4,851,724, Cl. 310-68.00A.
- Albrecht, Thomas; and Lee, Chan H., to Board of Regents, The University of Texas System. Methods and compositions for treating viral infections. 4,800,081, 1-24-89, Cl. 424-129.000.
- Albrecht, Thomas; Lee, Chan H.; and Steinsland, Odd S., to Board of Regents, The University of Texas System. Methods and compositions for treating viral infections. 4,849,412, 7-18-89, Cl. 514-46.000.
- Albrecht, William L.; and Wu, Edwin S., to Pennwalt Corporation. Flavonoxypropanolamines and esters of flavonoxypropanolamines as antiarrhythmic agents. 4,797,498, 1-10-89, Cl. 549-403.000.
- Albrecht, Zbynek, to Agrozet. Method and apparatus for gathering of hop vines. 4,865,050, 9-12-89, Cl. 460-126.000.
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- Albright, Henry J., to Fawn Engineering Corp. Vending machine shelf assembly with drive unit helix safety lock. 4,844,294, 7-4-89, Cl. 221-75.000.
- Albright, Larry E.: *See—*
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  - Collier, John R.; and Holker, Kenneth U., 4,881,975, Cl. 106-14.050.
- Albrigtsen, Rolf H.; and Samuelsen, Per R., to A/S Finsam International Inc. Closing and injection valve especially for hot gas defrosting in freezing and cooling installations. 4,877,046, 10-31-89, Cl. 137-107.000.
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  - Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,841,755, Cl. 70-208.000.
  - Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,850,209, Cl. 70-208.000.
- Albuglobe Aktiebolag: *See—*
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- Alburger, Philip D.: *See—*
  - Stewart, Gwendolyn J.; Ziskin, Marvin C.; Philips, Charles M.; Alburger, Philip D.; Lachman, John W.; Manuel, Donald W.; and Troisi, Michael R., 4,866,998, Cl. 73-866.500.
- Albus, James S. Cable arrangement and lifting platform for stabilized load lifting. 4,883,184, 11-28-89, Cl. 212-146.000.
- ALC Co., Inc.: *See—*
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- Alcan Aluminum Corporation: *See—*
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- Alcan International Limited: *See—*
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  - Bryant, Anthony J.; Field, David J.; and Butler, Ernest P., 4,861,389, Cl. 148-3.000.
  - Budd, Michael K.; and Foster, Mark H., 4,844,830, Cl. 252-56.00R.
  - Castonguay, Lise; Nadkarni, Sadashiv; and Jain, Mukesh, 4,816,511, Cl. 524-496.000.
  - Dobner, Alfred, 4,854,275, Cl. 123-193.00H.
  - Dube, Ghyslain; Gariepy, Bruno; and Pare, Jean, 4,832,911, Cl. 420-528.000.
  - Enright, Philip G., 4,858,674, Cl. 164-475.000.
  - Enright, Philip G.; Hobbis, Andrew J.; and Tapping, Ronald E., 4,872,908, Cl. 75-68.00R.
  - Fortin, Paul-Emile; and Gallerneault, Willard M., 4,861,388, Cl. 148-2.000.
  - Furneaux, Robin C.; and Rigby, William R., 4,859,288, Cl. 204-11.000.
  - Gilbert, Richard; and Perron, Yvon, 4,828,435, Cl. 406-92.000.
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  - Hudson, Tom J.; McIntyre, John; Tremblay, Pierre; Allaire, Claude; and Gnyra, Bohdan, 4,877,507, Cl. 204-243.00R.
  - Innus, Andris B.; and Villeneuve, Michel, 4,842,255, Cl. 266-158.000.
  - Jain, Mukesh; and Nadkarni, Sadashiv, 4,859,711, Cl. 521-56.000.
  - Jenkins, Dianne M.; and Pargeter, Christopher, 4,873,047, Cl. 264-322.000.
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  - Park, Eugene S.; and Poste, Steven D., 4,808,558, Cl. 501-80.000.
  - Rigby, William R.; Furneaux, Robin C.; and Thomas, Anthony T., 4,889,631, Cl. 210-493.100.
  - Schnippering, Horst F.; and Stenzel, Peter, 4,807,423, Cl. 53-296.000.
  - Smits, Paul; Rosenfeld, Aron M.; and DeFerrari, Howard F., 4,837,061, Cl. 428-40.000.
  - Sood, Raman R.; Southam, Frederick W.; and Raghavan, Narasimha S., 4,869,892, Cl. 423-412.000.
  - Strong, David S.; and Dawson, John A., 4,871,627, Cl. 429-27.000.
  - Suzuki, Masamichi; Sano, Tadaaki; Suzuki, Toshihiro; and Tanaka, Tsunehiko, 4,888,218, Cl. 427-383.900.
  - Tomaka, Jan Z., 4,800,820, Cl. 105-406.100.
  - Tomaka, Jan Z., 4,840,127, Cl. 105-406.100.
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- Alcantara, Bernardo P.; Diaz-Zorita, Fernando; and Becerra, Rodrigo C., to Investronica, S.A. Automatic apparatus for drawing on and scoring of sheet material. 4,835,872, 6-6-89, Cl. 33-18.100.
- Alcantara, Miguel A.: *See—*
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- Alcaraz, Alfonso; Aguilar, Gerardo; Gonzalez, Mauricio; and Elizarraraz, Antonio, to Cofusa Enterprises, Inc. Robotic product server and system. 4,889,210, 12-26-89, Cl. 186-38.000.
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- Alcatel Cit: *See—*
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  - Debuysscher, Pierre L., 4,881,223, Cl. 370-77.000.
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  - Hoefkens, Daniel S. G.; Spaenjers, Joannes H. P. M.; Boeykm Eduard C. M.; Verhille, Henri A. J.; and Geernaert, Gustaaf L., 4,862,449, Cl. 370-32.100.
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  - Sevenhans, Joannes M. J.; and Rabaey, Dirk H. L. C., 4,888,559, C 330-253.000.
  - Stottlemyer, William O.; and Woodward, Steven J., 4,885,773, C 379-420.000.
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  - Verbiest, Willem J. A., 4,833,543, Cl. 358-260.000.
  - Verbiest, Willem J. A.; and Duponcheel, Marc M. L., 4,852,084, C 370-60.000.
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  - Argintaru, Lazare; and Hebrard, Denis, 4,855,691, Cl. 331-172.0

  - Begout, Eric; Bourgeois, Alain; Gueuret, Raymond; and Lapeyre, Pascal, 4,825,218, Cl. 343-765.000.
  - Chevallier, Rene; and Fouillet, Jean, 4,837,583, Cl. 343-760.000.
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  - Gurcan, Mustafa; and Cruchon, Jean-Claude, 4,800,349, Cl. 333-208.000.
  - Gurcan, Mustafa; and Bernaud, Maurice, 4,806,890, Cl. 333-205.000.
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- Alcatel USA Corp.: *See—*
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  - Middleton, Francisco A.; and Zeller, David A., Jr., 4,821,319, Cl. 379-167.000.
  - Morton, Steven G., 4,835,729, Cl. 364-200.000.
  - Mulla, Hoshang D.; Sutherland, Douglas; and Jaktdar, Priyadarshan, 4,866,777, Cl. 381-41.000.
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- Alcock, John M.; and Nocholson, Joseph A., to Tronic Electronic Services Limited. Electrical connector. 4,795,359, 1-3-89, Cl. 439-271.000.
- Alcock, Richard A.; and Guthrie, Robert M., to Rockford Manufacturing Group, Inc. Wire drawing machine with wire-relaxing roller. 4,827,752, 5-9-89, Cl. 72-289.000.
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  - Auras, Alain G., 4,824,202, Cl. 350-96.180.
  - Bhatia, Rajkumar P., 4,839,082, Cl. 252-174.120.
  - Clark, Abbot F., 4,876,250, Cl. 514-179.000.
  - Dastoli, Frank R.; Senkowski, Bernard Z.; Wagener, Dieter W.; Bogdanffy, George H.; and Vin, Gaurang R., 4,880,581, Cl. 264-39.000.
  - DeSantis, Louis M.; and Sallee, Verney L., 4,822,819, Cl. 514-530.000.
  - DeSantis, Louis M.; and Sallee, Verney L., 4,822,820, Cl. 514-530.000.
  - Edwards, John G., 4,888,327, Cl. 514-41.000.
  - Gall, Russell A.; Clements, Don A.; and Kent, Michael J., 4,871,094, Cl. 222-386.000.
  - Guerra, Diane R.; Kent, Michael J.; and Clements, Don A., 4,865,189, Cl. 206-221.000.
  - Rogers, Wayne W.; and Wang, Carl C. T., 4,838,281, Cl. 128-752.000.
  - Schafer, Doris; and Schafer, Rolf, 4,808,239, Cl. 134-42.000.
  - Sundblom, Leif J.; and Rogers, Daniel D., 4,810,242, Cl. 604-28.000.
  - Thornton, Spencer P.; and Williams, Rodger W., 4,808,170, Cl. 604-274.000.
  - York, Billie M., Jr., 4,864,028, Cl. 546-15.000.
- Alcor, Inc.: *See—*
  - Portman, Joseph L., Jr.; and Margraf, David J., 4,799,378, Cl. 73-54.000.
- Alcorn, David M. Fishing rod holder. 4,831,763, 5-23-89, Cl. 43-21.200.
- Alcorn, John S.: *See—*
  - Kish, John W.; Alcorn, John S.; and Burleson, David B., 4,868,738, Cl. 364-200.000.
- Alcorn, John W. Side wall and top rail construction for open top containers. 4,795,049, 1-3-89, Cl. 220-71.000.
- Alcorn, William R.; Bullock, Wesley P.; Smith, Edward M.; and Whittenberger, William A., to W. R. Grace & Co.-Conn. Particulate trap. 4,869,738, 9-26-89, Cl. 55-267.000.
- Aldag, Reinhard; and Neumann, Peter, to BASF Aktiengesellschaft. Optical recording material. 4,814,256, 3-21-89, Cl. 430-270.000.
- Aldag, Reinhard: *See—*
  - Boettcher, Andreas; Fischer, Martin; Aldag, Reinhard; and Bluemel, Thomas, 4,886,735, Cl. 430-332.000.
- Aldegheri, Roberto: *See—*
  - De Bastiani, Giovanni; Faccioli, Giovanni; Aldegheri, Roberto; and Renzi Brivio, Lodovico, 4,828,277, Cl. 279-1.0SG.
- Aldeguer, Jean-Bernard: *See—*
  - Gizolme, Alain; and Aldeguer, Jean-Bernard, 4,819,127, Cl. 361-273.000.
- Alden, Charles: *See—*
  - Alden, Kevin; and Alden, Charles, 4,872,352, Cl. 73-861.770.
- Alden Electronics, Inc.: *See—*
  - Nowell, Scott, 4,843,478, Cl. 358-257.000.
  - Nowell, Scott, 4,864,591, Cl. 375-78.000.
- Alden, Frank; and Wyatt, James A., to Vermont Castings, Inc. Zero clearance fireplace. 4,884,556, 12-5-89, Cl. 126-546.000.
- Alden, Kevin; and Alden, Charles, to Alden, Kevin. Flow meter pulse transmitter. 4,872,352, 10-10-89, Cl. 73-861.770.
- Alden Research Foundation: *See—*
  - Nowell, Scott, 4,821,111, Cl. 358-296.000.
- Alden, Wayne S., III: *See—*
  - Ierardi, Joseph A.; and Alden, Wayne S., III, 4,803,424, Cl. 324-158.00F.
- Aldenhoven, Ghislanus M. A. M.: *See—*
  - Van Sluys, Robert N. J.; and Aldenhoven, Ghislanus M. A. M., 4,817,076, Cl. 369-45.000.
- Aldenhoven, Ghislanus M. M.; Einhaus, Hermanus F.; and Boonen, Rene M. F., to U.S. Philips Corporation. Loading device for an apparatus for recording and/or re-producing signals, and apparatus provided with the loading device. 4,835,760, 5-30-89, Cl. 369-75.200.
- Alder, Alex; Stanek, Jaroslav; and Bellus, Daniel, to Ciba-Geigy Corporation. Certain 1-phenyl-cyclobutane-1,3-dicarboxylic acid type compounds. 4,857,660, 8-15-89, Cl. 562-435.000.
- Alder, Alex, to Ciba-Geigy Corporation. Azabicycloheptanes and process for their preparation. 4,883,877, 11-28-89, Cl. 546-112.000.
- Alder, Alex: *See—*
  - Flury, Peter; and Alder, Alex, 4,859,761, Cl. 528-123.000.
- Alderete, Johnny. Masonry punch. 4,848,309, 7-18-89, Cl. 125-40.000.
- Alderfer, Earl L. Emergency belt kit and connector. 4,795,410, 1-3-89, Cl. 474-256.000.
- Alderfer, Earl L. Coupling kit. 4,798,569, 1-17-89, Cl. 474-255.000.
- Alderman, Arnold N., to Dual-Lite Manufacturing, Inc. Improved power supply for intermittently energizing an external device requiring high power during intermittent periods of time from an input power source with relatively lower instantaneous power capability. 4,843,300, 6-27-89, Cl. 323-224.000.
- Alderman, Arnold N.: *See—*
  - Balcom, James E.; Kozek, Edward P.; and Alderman, Arnold N., 4,799,039, Cl. 340-333.000.
- Alderman, Chester T.; McDowell, Erin A.; and Farren, Edward R., to Aiken Advanced Systems, Inc. Pulse-on-pulse circuit and method. 4,849,992, 7-18-89, Cl. 375-94.000.
- Alderman, Daniel A.; and Schulz, Gary J., to Dow Chemical Company, The. Method of making a granular, cold water dispersible coating composition. 4,816,298, 3-28-89, Cl. 427-212.000.
- Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., to President and Fellows of Harvard College. Antibodies to angiogenin: immunotherapeutic agents. 4,853,219, 8-1-89, Cl. 424-85.800.
- Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., to President and Fellows of Harvard College. Method of isolating tumor-secreted products using a novel protein-free medium. 4,879,222, 11-7-89, Cl. 435-68.000.
- Alderman, George W., to American National Can Company. Compound application detector. 4,873,432, 10-10-89, Cl. 250-227.000.
- Aldersley, Colin F.: *See—*
  - Mitzner, Barry T.; and Aldersley, Colin F., 4,847,204, Cl. 436-10.000.
- Alderson, David L.: *See—*
  - Foster, Thomas V.; Jones, Stanley P.; and Alderson, David L., 4,798,617, Cl. 65-25.100.
- Alderson, Richard K.; Sleater, Ronald D.; and Talley, James R. Infusion pump system and conduit therefor. 4,846,637, 7-11-89, Cl. 417-479.000.
- Aldissi, Mahmoud, to United States of America, Energy. Water-soluble conductive polymers. 4,880,508, 11-14-89, Cl. 204-59.00R.
- Aldo Orlandi: *See—*
  - Leschot, Georges-Andre , 4,850,558, Cl. 248-297.100.
- Aldous, Glenn R. Window washing device. 4,871,275, 10-3-89, Cl. 401-23.000.
- Aldred, Edward J.; and Lloyd, David J., to Ransomes, Sims & Jefferies PLC. Grass cutting machine. 4,878,338, 11-7-89, Cl. 56-7.000.
- Aldrich-Boranes, Inc.: *See—*
  - Brown, Herbert C., 4,795,821, Cl. 558-298.000.
  - Brown, Herbert C., 4,855,506, Cl. 568-6.000.
  - Brown, Herbert C., 4,866,181, Cl. 546-348.000.
  - Brown, Herbert C., 4,868,337, Cl. 568-311.000.
  - Brown, Herbert C., 4,868,344, Cl. 568-812.000.
  - Brown, Herbert C., 4,870,177, Cl. 546-13.000.
  - Brown, Herbert C., 4,870,212, Cl. 568-6.000.
- Aldrich, Dale J.: *See—*
  - Larson, Paul A.; Aldrich, Dale J.; and Berman, Jody R., 4,874,669, Cl. 428-416.000.
- Aldrich, Donald C.; Buchanan, Robert C.; and Sollinger, John F., to Du Pont de Nemours, E. I., and Company. Process for preparing a fiber reinforced resin matrix preform. 4,846,908, 7-11-89, Cl. 156-148.000.
- Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E., to Du Pont de Nemours, E. I., and Company. Tetrazole intermediates to antihypertensive compounds. 4,820,843, 4-11-89, Cl. 548-252.000.
- Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E., to Du Pont de Nemours, E. I., and Company. Tetrazole intermediates to antihypertensive compounds. 4,870,186, 9-26-89, Cl. 548-215.000.
- Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E., to Du Pont de Nemours, E. I., and Company. Tetrazole intermediates to antihypertensive compounds. 4,874,867, 10-17-89, Cl. 548-101.000.
- Aldrich, Tod: *See—*
  - Heselton, John; Nelson, Perry; and Aldrich, Tod, 4,852,883, Cl. 273-197.00R.
- Aldridge, Don; and Metzger, Rolf U., to Lion Apparel, Inc. Protective coat for firefighters. 4,817,210, 4-4-89, Cl. 2-81.000.

Aldridge, Donald: *See*—

McKenney, Billie R.; Aldridge, Donald; and Webb, Judy K., 4,864,655, Cl. 2-93.000.

Aldridge, James H.; and Maitland, Arvin H., to Slip-on Lock Nut Company. Lock nut and method for making same. 4,826,376, 5-2-89, Cl. 411-237.000.

Aldridge, Lewis L., to Ewal Manufacturing Co., Inc. Compact fluid powered actuator. 4,875,404, 10-24-89, Cl. 92-130.00A.

Aldrige, Clyde L.: *See*—

Eidt, Clarence M., Jr.; Aldrige, Clyde L.; and Bearden, Roby, Jr., 4,882,036, Cl. 208-50.000.

Aldrovandi, Claudio, to Dima S.R.L. Tank for cooling mozzarella cheeses. 4,848,219, 7-18-89, Cl. 99-455.000.

Aleckson, Darrell. Fish harness. 4,837,964, 6-13-89, Cl. 43-4.000.

Aledo, Eduardo C. A.; and Pommez, Philippe, to Chicopee. Double fastening system with a slit. 4,850,988, 7-25-89, Cl. 604-385.100.

Aleem, Mohd A.: *See*—

Flygare, Wayne A.; Olson, Raymond N.; Reynolds, Richard W.; and Aleem, Mohd A., 4,882,513, Cl. 310-114.000.

Alei, Philip E.: *See*—

Flores, David P.; and Alei, Philip E., 4,888,249, Cl. 428-476.100.

Aleixo, Vitor C. Structural mold system. 4,805,357, 2-21-89, Cl. 52-79.100.

Aleksoff, Carl C.; Subotic, Nikola S.; and Viannes, Nickolas P., to Environmental Research Institute of Michigan. Method of fringe-freezing of images in hybrid-optical interferometric processors. 4,847,796, 7-11-89, Cl. 364-602.000.

Aleman, Javier: *See*—

McBurney, Kevin B.; and Aleman, Javier, 4,839,064, Cl. 210-806.000.

Alemany, Miguel; and Berg, Charles J., to Procter & Gamble Company, The. High density absorbent members having lower density and lower basis weight acquisition zones. 4,834,735, 5-30-89, Cl. 604-368.000.

Alen, Raimo; and Sjostrand, Eero. Method for controlling alkaline pulping process. 4,853,084, 8-1-89, Cl. 162-49.000.

Alena, Richard L.; and McIntyre, William H., to Baxter Healthcare Corporation. Three electrode hydroquinone subcutaneous equilibrating tonometer. 4,803,991, 2-14-89, Cl. 128-635.000.

Alender, Jeffrey R.: *See*—

Fitzgerald, Patrick H.; Rao, Nandakumar S.; Vinod, Yashavant; V.; and Alender, Jeffrey R., 4,883,839, Cl. 525-136.000.

Alenskis, Brian A.; Geil, Gerald L.; Gill, Dee R.; and Moloney, Brian N., to Hercules. Filament winding system. 4,867,834, 9-19-89, Cl. 156-433.000.

Alers, Ronald B.: *See*—

Schoennauer, Larry J.; Alers, Ronald B.; Kaste, Keith; Johnson, Ross E.; and Wong, Jacob Y., 4,850,697, Cl. 356-419.000.

Alerting Communicators of America: *See*—

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Alesch, Edward A.: *See*—

Valentino, Frank; Betts, David E.; and Alesch, Edward A., 4,883,361, Cl. 366-97.000.

Aleshire, Leonard C. Surface drainage conduit installation structure and method. 4,844,655, 7-4-89, Cl. 405-118.000.

Aleshire, Ronald E., to FPL Qualtec, Inc. Cable pulling system and adaptor. 4,822,005, 4-18-89, Cl. 254-134.400.

Alesi, Thomas W., Jr.: *See*—

Pirc, Vladimir V.; and Alesi, Thomas W., Jr., 4,844,188, Cl. 177-145.000.

Alesse, Vittorio: *See*—

Bornengo, Giorgio; Carlini, Filippo M.; Marabini, Anna; and Alesse, Vittorio. 4,851,037, Cl. 75-2.000.

Alessi, Francis. Decorative fixtures. 4,862,642, 9-5-89, Cl. 49-460.000.

Alessi Holsters, Inc.: *See*—

Alessi, Louis F.; and Ritchie, Charles E., Jr., 4,821,934, Cl. 224-252.000.

Alessi, Louis F.; and Ritchie, Charles E., Jr., to Alessi Holsters, Inc. Plastic support clip having a retaining hook for releasably retaining an article within the clip. 4,821,934, 4-18-89, Cl. 224-252.000.

Alewelt, Wolfgang: *See*—

Jakob, Wolfgang; Alewelt, Wolfgang; and Tresper, Erhard, 4,873,326, Cl. 540-538.000.

Alex, James M.: *See*—

Falk, Sidney; and Alex, James M., 4,794,772, Cl. 70-491.000.

Alex Moulton Limited: *See*—

Moulton, Alexander E., 4,813,696, Cl. 280-281.100.

Alexander, A. Gordon, to Exxon Research & Engineering Company. Load-carrying grease. 4,822,505, 4-18-89, Cl. 252-32.70E.

Alexander, A. Gordon: *See*—

Norton, James H.; Nywening, William; Brewster, Phillip W.; and Alexander, A. Gordon, 4,822,503, Cl. 252-33.600.

Alexander, Arthur: *See*—

Imiolex, Mieczyslaw; and Alexander, Arthur, 4,847,599, Cl. 340-605.000.

Alexander, Bernice: *See*—

Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, 4,831,526, Cl. 364-401.000.

Alexander, Billy R. Adjustable precision live center for use with a lathe. 4,869,140, 9-26-89, Cl. 82-150.000.

Alexander, Carl A.; Ogden, Julius S.; and Severance, Richard A., to Battelle Memorial Institute. Coaxial reentrant ion source for surface mass spectroscopy. 4,845,364, 7-4-89, Cl. 250-423.00R.

Alexander, Carl J., to Pro Power Corporation. Detachable blade assembly for a chain saw. 4,819,335, 4-11-89, Cl. 30-500.000.

Alexander, Carl J., to Pro Power Corporation. Articulated endless band saw blade and support therefor. 4,887,357, 12-19-89, Cl. 30-383.000.

Alexander, Charles F., Jr.; and Gussert, David A., to Brunswick Corporation. Marine trolling motor with traction drive. 4,832,630, 5-23-89, Cl. 440-6.000.

Alexander, Cynthia R.; and Pollard, Dianne J. Child holder. 4,871,210, 10-3-89, Cl. 297-435.000.

Alexander, Daniel R. Headrest. 4,807,933, 2-28-89, Cl. 297-391.000.

Alexander, David C.; and Speranza, George P., to Texaco Inc. Bismaleimide derivatives of higher molecular weight polyoxyalkyleneamines. 4,826,995, 5-2-89, Cl. 548-521.000.

Alexander, David C., to Texaco Inc. Oxyethylene bismaleimide derivatives. 4,876,358, 10-24-89, Cl. 548-521.000.

Alexander, David C.: *See*—

Sellstrom, Kathy B.; and Alexander, David C., 4,814,415, Cl. 528-111.000.

Alexander, Dean D.; and Stanfield, James S. Training shoelace. 4,842,522, 6-27-89, Cl. 434-260.000.

Alexander, Donald K.: *See*—

Nathanson, Harvey C.; Driver, Michael C.; Cresswell, Michael W.; Freitag, Ronald G.; Alexander, Donald K.; and Yaw, Daniel F., 4,823,136, Cl. 342-368.000.

Alexander, Edward; and John, Gregory, to Australian Wool Corporation. Strap winding disposal device. 4,845,971, 7-11-89, Cl. 72-146.000.

Alexander, Frank B., Jr.; Foo, Pang-Dow; and Schutz, Ronald J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Selective etching process. 4,871,420, 10-3-89, Cl. 156-643.000.

Alexander, George E.; and Wilkinson, Stanley B., to General Electric Company. Negative and zero sequence directional overcurrent unit for AC power transmission line protection. 4,825,327, 4-25-89, Cl. 361-82.000.

Alexander, George F.; Coutant, Alan R.; Fee, David M.; and Riediger, Craig W., to Caterpillar Inc. Control mechanism for operating vehicle. 4,798,099, 1-17-89, Cl. 74-473.00R.

Alexander, Guy B., to Technical Research Assoc., Inc. Oxide dispersion hardened aluminum composition. 4,812,289, 3-14-89, Cl. 420-528.000.

Alexander, Herman, to Sandy Alexander, Inc. Combination of a pad installed on a holder and the method of assembly of the pad on the holder. 4,832,207, 5-23-89, Cl. 211-57.100.

Alexander, Jack L. Air controller for burners. 4,872,832, 10-10-89, Cl. 431-90.000.

Alexander, James C.; and Nguyen, Hoa, to TI Serco Corporation. Dock leveler hold-down. 4,847,935, 7-18-89, Cl. 14-71.300.

Alexander, James H.: *See*—

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Alexander, James R. Grand piano actions. 4,856,402, 8-15-89, Cl. 84-239.000.

Alexander, Jerry D.: *See*—

Williams, John F.; and Alexander, Jerry D., 4,860,331, Cl. 378-163.000.

Alexander, Jonathan W.: *See*—

Mucha, George M.; Alexander, Jonathan W.; Pfaffmann, George D.; and McKelvey, Richard H., 4,816,633, Cl. 219-10.410.

Alexander, Jose; and Fix, Joseph A., to Merck & Co., Inc. Enhancement of absorption of drugs from gastrointestinal tract using choline ester salts. 4,822,773, 4-18-89, Cl. 514-3.000.

Alexander, Jose; Repta, A. J.; and Fix, Joseph A., to Merck & Co., Inc. Choline esters as absorption-enhancing agents for drug delivery through mucous membranes of the nasal, buccal, sublingual and vaginal cavities. 4,835,138, 5-30-89, Cl. 514-3.000.

Alexander, Jose; and Higuchi, Takeru, to Merck & Co., Inc. Pyroglutamic acid esters used as dermal penetration enhancers for drug 4,847,250, 7-11-89, Cl. 514-247.000.

Alexander, Jose; Fix, Joseph A.; and Repta, A. J., to Merck & Co., Inc. Acylcarnitines as absorption-enhancing agents for drug delivery through mucous membranes of the nasal, buccal, sublingual and vaginal compartments. 4,847,298, 7-11-89, Cl. 514-565.000.

Alexander, Larry G., to Leads Metal Products, Inc. Desoldering apparatus. 4,887,759, 12-19-89, Cl. 228-20.000.

Alexander, Lloyd E.: *See*—

Beaver, Richard N.; Alexander, Lloyd E.; and Byrd, Carl E., 4,871,703, Cl. 502-101.000.

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Alexander Manufacturing Company: *See*—

Alexander, Richard B.; and Kindschuh, Dennis P., 4,806,840, Cl. 320-20.000.

Alexander Manufacturing & Service Co., Inc.: *See*—

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Alexander, Michael N.: *See*—

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Sigai, A. Gary; Lapatovich, Walter P.; and Alexander, Michael N., 4,874,984, Cl. 313-486.000.

Alexander, Michael P.; and Adams, Allan J., to ASC, Incorporated. Power latch system. 4,819,983, 4-11-89, Cl. 296-121.000.

Alexander, Richard B.; and Kindschuh, Dennis P., to Alexander Manufacturing Company. Method and apparatus for charging a nickel-cadmium battery. 4,806,840, 2-21-89, Cl. 320-20.000.

Alexander, Robert G.; and Pratt, George C., to Federal-Mogul Corporation. Process for making composite bearing material products thereby. 4,818,628, 4-4-89, Cl. 428-561.000.

Alexander, Robert H., to Allen-Bradley Company, Inc. Thrust and torque sensitive drill. 4,822,215, 4-18-89, Cl. 408-9.000.

Alexander, Robert H.; Osmer, Thomas M., and Neely, James W., to Allen-Bradley Company, Inc. Computer controlled automatic shift drill. 4,854,786, 8-8-89, Cl. 408-1.00R.

Alexander, Roy P.: *See*—

Zetena, Christopher M.; and Alexander, Roy P., 4,867,196, Cl. 137-268.000.

Alexander, Samuel S.: *See*—

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Alexander Schoeller & Co., Ag.: *See*—

Steinlein, Rudolf F., 4,846,365, Cl. 220-21.000.

Alexander, Steven W.: *See*—

Czarnocki, Walter S.; Harper, Peter W.; Moran, Kevin S.; and Alexander, Steven W., 4,854,167, Cl. 73-204.190.

Alexander, Walter A., Sr., to VSAR Systems of Atlanta, Inc. Post ground anchor and method. 4,803,812, 2-14-89, Cl. 52-157.000.

Alexander Wiegand GmbH & Co.: *See*—

Heller, Heinz; and Waigand, Roland, 4,876,894, Cl. 73-756.000.

Alexander, William; and Teppo, Maynard, to American Colloid Company. Method for continuous manufacture of solid water absorbing resin. 4,820,742, 4-11-89, Cl. 521-131.000.

Alexander, William; Anderson, Mark; and Regan, Barbara R., to American Colloid Company. Water absorbent resins prepared by polymerization in the presence of styrene-maleic anhydride copolymers. 4,820,773, 4-11-89, Cl. 525-274.000.

Alexander, William; Anderson, Mark; and Regan, Barbara R., to American Colloid Company. Surface treated absorbent polymers. 4,824,901, 4-25-89, Cl. 524-555.000.

Alexander, William, to American Colloid Company. Process for extruding and acid treating clay for improved color development in carbonless copy paper. 4,832,793, 5-23-89, Cl. 162-181.800.

Alexander, William, to American Colloid Company. Composition and method of controlling lost circulation from wellbores. 4,836,940, 6-6-89, Cl. 252-8.512.

Alexander, William, to American Colloid Company. Process for extruding and acid treating clay for improved filtration. 4,847,226, 7-11-89, Cl. 502-83.000.

Alexander, William, to American Colloid Company. Flexible grout composition and method. 4,886,550, 12-12-89, Cl. 106-74.000.

Alexander, William B.; and Frenger, Paul, to Safe-Test, Inc. Testing device and method for inflatable objects. 4,873,654, 10-10-89, Cl. 364-551.010.

Alexander, William J., to Mine Safety Appliances Company. Combustible gas detector having temperature stabilization capability. 4,818,977, 4-4-89, Cl. 340-633.000.

Alexandratos, Spiro D.; Danesi, Pier R.; and Horwitz, E. Philip, to University of Tennessee Research Corporation, The. Interpenetrating polymer network ion exchange membranes and method for preparing same. 4,879,316, 11-7-89, Cl. 521-27.000.

Alexandre, Bernard; Cornillon, Jean-Paul; and Rollet, Georges, to Societe Inter-Color. Installation for processing photograph envelopes. 4,838,435, 6-13-89, Cl. 209-555.000.

Alexandre, Bernard: *See*—

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Alexandrides, George: *See*—

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Alexandrov, Andrei J.; Dolgikh, Viktor A.; Kerimov, Oleg M.; Samarin, Alexei J.; Rudoi, Igor G.; and Soroka, Arkady M. Medium for gas laser excited by ionizing particles. 4,841,537, 6-20-89, Cl. 372-55.000.

Alexandrov, Nicolas; Chretien, Normand; and Fihey, Jean-Luc, to Hydro-Quebec. Oven for thermo-magnetic treatment of toroidal coils of amorphous ferro-magnetic ribbon material. 4,812,608, 3-14-89, Cl. 219-10.750.

Alexandrova, Olga G.: *See*—

Fedorov, Svyatoslav N.; Krutov, Sergei V.; Soloviev, Sergei A.; Alexandrova, Olga G.; and Korshunova, Nadezhda K., 4,799,478, Cl. 128-303.100.

Alexandrovich, Jury B.: *See*—

Shmeleva, Ljubov A.; Chebyshev, Vladimir A.; Turkov, Roblen R.; Grokhotov, Vyacheslav T.; Alexandrovich, Jury B.; Ulyantsev, Valentin I.; Varfolomeev, Dmitry F.; Pecheny, Boris G.; Vitaliev, Vladimir P.; and Sheludko, Viktor V., 4,849,094, Cl. 208-208.00R.

Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Wilson, John C., to Eastman Kodak Company. Electrostatographic toner particle comprising a polyester containing a covalently bound quaternary phosphonium salt. 4,837,393, 6-6-89, Cl. 430-110.000.

Alexandrovich, Peter S.; DeMejo, Lawrence P.; Jadwin, Thomas A.; and Wilson, John C., to Eastman Kodak Company. Electrostatographic toner particle comprising a polyester containing a covalently bound quaternary phosphonium salt. 4,837,394, 6-6-89, Cl. 430-110.000.

Alexandrovich, Peter S.: *See*—

Bugner, Douglas E.; and Alexandrovich, Peter S., 4,803,017, Cl. 260-501.150.

Bugner, Douglas E.; and Alexandrovich, Peter S., 4,806,283, Cl. 260-501.150.

Bugner, Douglas E.; Alexandrovich, Peter S.; De Mejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,806,284, Cl. 260-501.150.

Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,812,378, Cl. 430-110.000.

Bugner, Douglas E.; and Alexandrovich, Peter S., 4,812,380, Cl. 430-110.000.

Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,812,381, Cl. 430-110.000.

Bugner, Douglas E.; and Alexandrovich, Peter S., 4,812,382, Cl. 430-110.000.

Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,834,920, Cl. 260-501.150.

Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,840,864, Cl. 430-110.000.

Bugner, Douglas E.; and Alexandrovich, Peter S., 4,851,561, Cl. 560-14.000.

Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,834,921, Cl. 260-501.150.

Alexeenko, Boris V.; and Nikolaenko, Gennady V. Zero insertion force electrical connector. 4,804,334, 2-14-89, Cl. 439-260.000.

Alexeff, Igor, to University of Tennessee Research Corporation, The. Electromagnetic apparatus operating on electrically conductive fluids. 4,818,185, 4-4-89, Cl. 417-50.000.

Alexion, Christopher C.; Slepian, Robert M.; and Nathenson, Richard D., to Electric Power Research Institute Inc. Flow coupler assembly for double-pool-type reactor. 4,808,080, 2-28-89, Cl. 417-50.000.

Alexion, Christopher C.: *See*—

Nathenson, Richard D.; Alexion, Christopher C.; and Sumpman, Wayne C., 4,802,531, Cl. 165-104.280.

Alexoff, Carl; Rosetta, Richard; Dennis, Michael; and Coll, Thomas E., to Webcraft Games, Inc. Manufacturing lottery tickets and commercial coupons. 4,858,123, 8-15-89, Cl. 364-412.000.

Alexoff, Randall L., to George A. Mitchell Company. Method for severing the ends of tubing. 4,799,412, 1-24-89, Cl. 83-54.000.

Alexson, Charles E.; and Guenther, Heinz H., to Minnesota Mining and Manufacturing Company. Method of forming crisp white indicia in aluminum. 4,806,730, 2-21-89, Cl. 219-121.690.

Alexson, Charles E.; and Guenther, Heinz H., to Minnesota Mining and Manufacturing Company. Device for driving tools used in orthopedic surgery. 4,834,092, 5-30-89, Cl. 128-303.00R.

Alexson, Charles E., to Minnesota Mining and Manufacturing Company. Bone rasp. 4,872,452, 10-10-89, Cl. 128-92.0VJ.

Alf, George M.: *See*—

Bailey, Paul F., Jr.; Nilsson, Isidro G.; and Alf, George M., 4,870,964, Cl. 128-303.100.

Alf. Hannaford & Co. Pty. Ltd.: *See*—

Hornhardt, Hubert L.; and Nuske, Geoffrey G., 4,798,280, Cl. 198-666.000.

Alf, Reinhard; and Warzecha, Wolfgang, to Robert Bosch GmbH. Automotive antenna coaxial conversion plug-receptacle combination element. 4,857,014, 8-15-89, Cl. 439-578.000.

Alf, Steven W.: *See*—

Metz, Kenneth D.; Haggerty, John W.; and Alf, Steven W., 4,836,419, Cl. 222-110.000.

Alfa Lancia Industriale S.r.l.: *See*—

Bassi, Aldo, 4,887,862, Cl. 296-204.000.

Ciccarone, Angelo, 4,849,897, Cl. 364-431.080.

Alfa Lancia Industriale S.p.A.: *See*—

Ciccarone, Angelo; Oldani, Emilio; and Scapecchi, Pier L., 4,884,539, Cl. 123-310.000.

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Pristera, Raffaele; Rugora, Edoardo; Fioravazzi, Silvio; Guelfi, Giorgio; Bassi, Aldo; and Poli, Alberto, 4,873,451, Cl. 307-10.100.

Scapecchi, Pier L.; Coghi, Giovanni; and Lanati, Paolo, 4,889,086, Cl. 123-90.150.

Villa, Ezio; and Biazzi, Giuseppe, 4,881,391, Cl. 70-455.000.

Vitale, Carmelo; and Villa, Ezio, 4,851,810, Cl. 362-240.000.

Alfa-Laval AB: *See*—

Burns, Donald A.; and Buccafuri, Anthony F., 4,826,775, Cl. 436-179.000.

Alfa-Laval Agri, Inc.: *See*—

Townsend, Ted H.; Moore, Clinton L.; and Machnicki, John T., 4,798,175, Cl. 119-155.000.

Alfa-Laval Agri International AB: *See*—

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Alfa-Laval Food and Dairy Engineering AB: *See*—

Holm, Sune, deceased; Malmberg, Rolf; and Svensson, Kjell, 4,876,100, Cl. 426-491.000.

Alfa-Laval, Inc.: *See*—

Chowdhury, Mofazzal H., 4,807,566, Cl. 119-14.550.

Ellis, Michael W.; and Chowdhury, Mofazzal H., 4,838,203, Cl. 119-14.080.

Alfa-Laval Marine and Power Engineering AB: *See*—

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Alfa-Laval Separation AB: *See*—

Borgstrom, Leonard; Carlsson, Claes G.; Franzen, Peter; Inge, Claes; Lagerstedt, Torgny; Moberg, Hans; and Nabo, Olle, 4,861,329, Cl. 494-73.000.

Johansson, Bo, 4,813,923, Cl. 494-48.000.

Klintenstedt, Kjell; and Lantz, Christer, 4,800,367, Cl. 340-526.000.

Nordstrom, Torbjorn, 4,820,256, Cl. 494-3.000.

Alfa-Laval Thermal AB: *See*—

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  - Jonsson, Nils-Ake; and Rissler, Per, 4,813,478, Cl. 165-78.000.
  - Jonsson, Nils-Ake; Nilsson, Bo Goran; and Persson, Hans-Lennart, 4,848,451, Cl. 165-167.000.
  - Karlsson, Bertil; and Berthagen, Leif, 4,800,007, Cl. 204-196.000.
  - Nilsson, Bo, 4,874,039, Cl. 165-78.000.
  - Nilsson, Bo G.: and Andersson, Torgny, 4,871,013, Cl. 165-75.000.
  - Nilsson, Mat Tagesson, Bernt; and Novak, Ladislav, 4,872,506, Cl. 165-166.000.
- Alfa Romeo Auto S.p.A.: *See—*
  - Ciccarone, Angelo, 4,819,428, Cl. 60-323.000.
  - Cressoni, Ermanno, 4,818,008, Cl. 296-37.800.
  - D'Angelo, Domenico; and Visconti, Marco, 4,829,966, Cl. 123-478.000.
- Alfa Wassermann S.p.A.: *See—*
  - Rotini, Leone G.; and Marchi, Egidio, 4.888,178, Cl. 424-468.000.
- Alfacell Corporation: *See—*
  - Shogen, Kuslima; Mikulski, Stanislaw M.; and Ardelt, Wojciech J., 4,882,421, Cl. 530-350.000.
- Alfaceu Corporation: *See—*
  - Szebenyi, Emil; and Kuslima, Shogen, 4,888,172, Cl. 424-105.000.
- Alfano, Nicholas J.: *See—*
  - Sherwood, Nancy S.; and Alfano, Nicholas J., 4,867,945, Cl. 422-16.000.
- Alfano, Robert R.; and Walser, Ardie D. Photomultiplier tube having a transmission strip line photocathode and system for use therewith. 4,853,595, 8-1-89, Cl. 313-532.000.
- Alfastar AB: *See—*
  - Berggren, Benny, 4,870,236, Cl. 219-10.55A.
  - Stenstrom, Lennart, 4,808,783, Cl. 219-10.55M.
  - Stenstrom, Lennart; Wahlstrom, Lennart; and Lindstrom, Bjorn, 4,816,231, Cl. 422-300.000.
- Alfatechnic AG: *See—*
  - Dubach, Werner F., 4,802,597, Cl. 215-307.000.
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  - Dubach, Werner F., 4,869,399, Cl. 222-83.000.
  - Gyimothy, Gabor, 4,854,478, Cl. 221-190.000.
- Alfenito, Mark R., to President and Fellows of Harvard College. Electroelution of macromolecules. 4,85[illegible],302, 8-22-89, Cl. 204-182.800.
- Alfer, Jaroslaw G.: *See—*
  - Giercarz, Mieczyslaw; and Alfer, Jaroslaw G., 4,837,874, Cl. 5-83.000.
- Alferness, Rodney C., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical communications laser including a resonator filter. 4,826,282, 5-2-89, Cl. 350-96.120.
- Alferness, Rodney C.; Henry, Charles H.; Kazarinov, Rudolf F.; Olsson, Nils A.; and Orlowsky, Kenneth J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Narrow-linewidth resonant optical device, transmitter, system, and method. 4,852,960, 8-1-89, Cl. 350-96.190.
- Alferness, Rodney C.; and Wood, Thomas H., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Single-mode optical fiber tap. 4,883,335, 11-28-89, Cl. 350-96.150.
- Alfieri, Mario: *See—*
  - Re, Alberto; and Alfieri, Mario, 4,833,227, Cl. 528-73.000.
- Alfit Gesellschaft m.b.H.: *See—*
  - Amann, Reinhard, 4,852,212, Cl. 16-102.000.
- Alfon, Jose ; Martinez, Alberto; and Martinez, Abelardo. Anti-theft device for automobile vehicles. 4,881,389, 11-21-89, Cl. 70-209.000.
- Alfonso, Lelio, to Vallko S.r.l. Reversible motor vehicle roof. 4,796,947, 1-10-89, Cl. 296-223.000.
- Alford, Ezra D.: *See—*
  - Denier, Robert F.; Litzinger, Elmer F.; and Alford, Ezra D., 4,825,884, Cl. 131-309.000.
- Alford Industries, Inc.: *See—*
  - Basgil, David E.; Shuster, Mark K.; and Pituch, Thomas R., 4,853,063, Cl. 156-238.000.
  - Moir, David; and O'Connell, Robert M., 4,848,378, Cl. 132-319.000.
- Alford, Richard M., to Standard Oil Company (Indiana). Multisource multireceiver method and system for geophysical exploration. 4,803,666, 2-7-89, Cl. 367-36.000.
- Alford, Richard M.; Lynn, Heloise B.; and Thomsen, Leon A., to Amoco Corporation. Seismic surveying technique for the detection of azimuthal variations in the earth's subsurface. 4,817,061, 3-28-89, Cl. 361-75.000.
- Alfred Boerner GmbH: *See—*
  - Pallien, Wilhelm, 4,887,495, Cl. 76-104.00R.
- Alfred E. Hall: *See—*
  - Oliver, Earl, 4,846,480, Cl. 273-292.000.
- Alfred E. Mann Foundation for Scientific Research: *See—*
  - Byers, Charles L.; Schulman, Joseph H.; and Whitmoyer, David I., 4,837,049, Cl. 427-96.000.
- Alfred Eves, GmbH: *See—*
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- Alfred Fischbach KG: *See—*
  - Bruning, Werner, 4,869,403, Cl. 222-327.000.
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- Alfred Grass Ges.m.b.H. Metallwarenfabrik: *See—*
  - Grass, Alfred, 4,799,289, Cl. 16-236.000.
  - Grass, Alfred, 4,834,555, Cl. 384-19.000.
  - Grass, Alfred, 4,834,556, Cl. 384-22.000.
  - Grass, Alfred, 4,839,940, Cl. 16-258.000.
  - Grass, Alfred, 4,841,598, Cl. 16-251.000.
  - Grass, Alfred, 4,862,555, Cl. 16-291.000.
  - Grass, Alfred, 4,862,556, Cl. 16-382.000.
  - Grass, Alfred, 4,870,716, Cl. 16-251.000.
  - Grass, Alfred, 4,881,826, Cl. 384-19.000.
- Alfred Honsel Nieten- und Metallwarenfabrik GmbH & Co.: *See—*
  - Schwab, Manfred, 4,864,839, Cl. 72-391.000.
  - Schwab, Manfred F., 4,866,972, Cl. 72-391.000.
- Alfred Karcher GmbH & Co.: *See—*
  - Dautel, Heinz; and Wesch, Johann G., 4,802,628, Cl. 239-227.000.
- Alfred Teves GmbH: *See—*
  - Becker, Horst P., 4,798,422, Cl. 303-115.000.
  - Belart, Juan; and Klein, Hans-Christof, 4,819,996, Cl. 303-114.000.
  - Belart, Juan, 4,831,826, Cl. 60-545.000.
  - Budecker, Ludwig; David, Anton; Obersteiner, Georg; Zutt, Ulrich; and Guse, Hans-Albrecht, 4,807,945, Cl. 303-114.000.
  - Budecker, Ludwig; and Klostermann, Gerd, 4,843,193, Cl. 200 84.00C.
  - Budecker, Ludwig, 4,850,825, Cl. 417-538.000.
  - Burgdorf, Jochen; and Latka, Franz, 4,802,710, Cl. 303-11.000.
  - Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; and Beller, Hans-Albert, 4,804,236, Cl. 303-116.000.
  - Burgdorf, Jochen, 4,824,189, Cl. 303-119.000.
  - Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; Ocvirk, Norbert; Becker, Horst P.; and Determann, Otto, 4,840,436, Cl 303-119.000.
  - Burgdorf, Jochen; and Weize, Lutz, 4,883,328, Cl. 303-116.000.
  - Czich, Erhard; Endler, Wolfgang; and Wagner, Juergen, 4,819,768, Cl. 188-196.00D.
  - Fennel, Helmut; and Ehmer, Norbert, 4,844,556, Cl. 303-100.000.
  - Frigger, Heinz, 4,825,989, Cl. 192-13.00R.
  - Giers, Bernhard, 4,844,557, Cl. 303-111.000.
  - Kahrs, Manfred; and Schoellhorn, Hermann, 4,818,196, C 418-22.000.
  - Kircher, Dieter; von Gruenberg, Hubertus; and Blum, Klau Dieter, 4,838,622, Cl. 303-115.000
  - Klein, Han-Christof, 4,848,848, Cl. 303-115.000.
  - Klein, Hans-Christof, 4,807,940, Cl. 303-100.000.
  - Klein, Hans-Christof, 4,822,114, Cl. 303-115.000.
  - Klein, Hans-Christof, 4,828,331, Cl. 303-31.000.
  - Klein, Hans-Christof; and Drott, Peter, 4,838,376, Cl. 180-142.00
  - Klein, Hans-Christof, 4,858,516, Cl. 92-240.000.
  - Klein, Hans-Christof, 4,869,559, Cl. 303-110.000.
  - Klein, Hans-Christof; and Lohberg, Peter, 4,869,596, C 374-27.000.
  - Kullmann, Bernhard; Remfrey, James; and Schlechtriem, Klau 4,842,340, Cl. 303-7.000.
  - Latka, Franz, 4,841,158, Cl. 307-10.100.
  - Lohberg, Peter, 4,828,332, Cl. 303-93.000.
  - Maas, Joachim, 4,834,044, Cl. 123-342.000.
  - Mattusch, Franz J., 4,832,418, Cl. 303-114.000.
  - Ochs, Rudolf; Moeller, Michael; Nagl, Wolfgang; and Gebhard Peter, 4,825,903, Cl. 137-529.000.
  - Ocvirk, Norbert; Hayn, Holger V.; and Maas, Joachim, 4,795,00 Cl. 180-176.000.
  - Ocvirk, Norbert; Weise, Lutz; Becker, Horst-Peter; and Dete mann, Otto, 4,818,038, Cl. 303-119.000.
  - Ocvirk, Norbert; and Weise, Lutz, 4,826,258, Cl. 303-119.000.
  - Ocvirk, Norbert; Weise, Lutz; Becker, Horst P.; and Determa Otto, 4,828,338, Cl. 303-119.000.
  - Ocvirk, Norbert, 4,838,619, Cl. 303-114.000.
  - Ocvirk, Norbert; and Weise, Lutz, 4,856,852, Cl. 303-114.000.
  - Ostwald, Fritz, 4,859,003, Cl. 303-111.000.
  - Reinartz, Hans D.; Steffes, Helmut; Maas, Joachim; and Schwa Thomas, 4,811,809, Cl. 180-197.000.
  - Reinartz, Hans D.; and Steffes, Helmut, 4,819,997, Cl. 303-115.00
  - Reinartz, Hans D.; Steffes, Helmut; and Latka, Franz, 4,848,847, C 303-11.000.
  - Reinartz, Hans-Dieter; and Steffes, Helmut, 4,805,966, C 303-114.000.
  - Reinartz, Hans-Dieter; and Steffes, Helmut, 4,815,793, C 303-114.000.
  - Reinartz, Hans-Dieter; and Steffes, Helmut, 4,828,333, C 303-100.000.
  - Reinartz, Hans-Dieter; Steffes, Helmut; and Czarnetzki, Edw 4,838,305, Cl. 137-505.130.
  - Reinartz, Hans-Dieter; and Steffes, Helmut, 4,861,117, C 303-100.000.
  - Schiel, Lotha, 4,807,665, Cl. 137-625.400.
  - Schiel, Lothar, 4,840,193, Cl. 137-627.500.
  - Schonlau, Juergen; Birkenbach, Alfred; and Harth, Ralf, 4,828,32 Cl. 303-9.690.
  - Schonlau, Juergen; Birkenbach, Alfred; and Harth, Ralf, 4,840,43 Cl. 303-9.680.
  - Schonlau, Juergen; Volz, Peter; and Harth, Ralf, 4,858,999, C 303-9.630.
  - Seibert, Wolfram; Ocvirk, Norbert; Trach, Guenther; and Ma Joachim, 4,796,959, Cl. 303-119.000.
  - Seibert, Wolfram; Ocvirk, Norbert; Trach, Guenter; Determa Otto; and Becker, Horst P., 4,803,840, Cl. 60-545.000.
  - Seibert, Wolfram; and Trach, Guenter, 4,817,767, Cl. 188-348.00
  - Steffes, Helmut; Ocvirk, Norbert; Buschmann, Gunther; Dav Anton; Graeber, Johannes; Determann, Otto; and Batistic, Ivi 4,824,182, Cl. 303-92.000.
  - Steffes, Helmut, 4,828,336, Cl. 303-114.000.
  - Steffes, Helmut, 4,838,225, Cl. 123-342.000.
  - Steffes, Helmut, 4,840,435, Cl. 303-116.000.
  - Tandler, Peter; and Cezanne, Rudolf, 4,841,107, Cl. 200 84.00C.
  - Thiel, Rudolf, 4,805,745, Cl. 188-73.310.
  - Thiel, Rudolf; Klimt, Ulrich; and Kast, Helmut, 4,856,620, Cl. 188-72.400.
  - Thiel, Rudolf; Klimt, Ulrich; and Zaviska, Dalibor, 4,858,728, Cl. 188-73.310.
  - Volz, Peter, 4,826,255, Cl. 303-10.000.
  - Von Gruenberg, Hubertus; and Stoerzel, Karl, 4,867,280, Cl. 188-72.400.
  - Von Hayn, Holger; and Maas, Joachim, 4,826,256, Cl. 303-61.000.
  - Wagner, Wilfried; and Schiel, Lothar, 4,828,337, Cl. 303-114.000.
  - Weiler, Rolf; Bach, Uwe; Kirst, Thomas H.; and Paschke, Klaus, 4,807,725, Cl. 188-71.800.
  - Weiler, Rolf; and Endler, Wolfgang, 4,832,161, Cl. 188-73.440.
  - Weiler, Rolf; Panek, Claus-Peter; and Schmidt, Bodo, 4,842,103, Cl. 188-71.900.
  - Weise, Lutz, 4,807,944, Cl. 303-114.000.
- Alfred University: *See—*
  - LaCourse, William C.; and Akhtar, Maysood, 4,872,896, Cl. 65-30.140.
- Alfrey, Norval K. Priller method. 4,867,930, 9-19-89, Cl. 264-6.000.
- Alfsen & Gunderson A/S: *See—*
  - Gunderson, Harald, 4,871,425, Cl. 162-290.000.
- Algoma Steel Corporation, Limited, The: *See—*
  - McBain, Robert M.; Becze, Garry J.; Kruppert, Friedrich W.; and Leistner, Jack W., 4,803,037, Cl. 266-78.000.
- Algor, Marshall M., to United States of America, Army. Fast rise pulse oscillator. 4,873,499, 10-10-89, Cl. 331-117.00R.
- Algra, Gerben P.: *See—*
  - Erkens, Leonardus J. H.; Algra, Gerben P.; Snijders, Jacobus M. H.; Geurts, Herman J. J. M.; and Rugin, Andre, 4,872,915, Cl. 106-433.000.
- Algrim, Donald J.; Uffner, William E.; Lamb, Glenn D.; and Jones, Stephen J., to Owens-Corning Fiberglas Corporation. Asphalt adhesives. 4,824,880, 4-25-89, Cl. 524-62.000.
- Alguire, Robert, to Frink America, Inc. Road grader and scarifier. 4,842,440, 6-27-89, Cl. 404-90.000.
- Alheritiere, Edouard; and Prandi, Bernard, to Compagnie Europeenne du Zirconium Cezus. Process for treating titanium alloy parts for use as compressor disks in aircraft propulsion systems. 4,854,977, 8-8-89, Cl. 148-12.70B.
- Alheritiere, Edouard; and Prandi, Bernard, to Compagnie Europeenne du Zirconium Cezus. Wrought and heat treated titanium alloy part. 4,878,966, 11-7-89, Cl. 148-421.000.
- Alheritiere, Edouard: *See—*
  - Paillere, Patrick; Alheritiere, Edouard; Garnier, Marcel; Driole, Jean; and Gagnoud, Annie, 4,838,933, Cl. 75-10.140.
- Ali, George. Wind shield for chafing dish burner. 4,838,446, 6-13-89, Cl. 220-85.00R.
- Ali, Mir L.; Bateman, John F.; and Man, Ming, to Ferro Corporation. Non plateout molding composition. 4,820,760, 4-11-89, Cl. 524-423.000.
- Ali, Sajjadali G.: *See—*
  - Ashby, Derek; Ali, Sajjadali G.; and Forward, Raymond H., 4,825,501, Cl. 15-321.000.
- Ali, Sameh A.: *See—*
  - Faubel, Werner; and Ali, Sameh A., 4,826,604, Cl. 210-661.000.
- Alibert, Vernon F. Cable connector arrangement to accommodate an angular cable layout. 4,802,865, 2-7-89, Cl. 439-461.000.
- Alich, Gunter. Rolling stand. 4,817,407, 4-4-89, Cl. 72-8.000.
- Alig, Leo; and Muller, Marcel, to Hoffmann-La Roche Inc. Pyridine-ethanolamine derivatives. 4,800,206, 1-24-89, Cl. 514-332.000.
- Alig, Leo; and Muller, Marcel, to Hoffmann-La Roche Inc. Method for treating diabetes obesity and conditions characterized by increased protein breakdown with novel oxazolidines. 4,871,755, 10-3-89, Cl. 514-376.000.
- Aligena AG: *See—*
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  - Perry, Mordechai; Kotraro, Reuven; Linder, Charles; and Aviv, Gershon, 4,889,636, Cl 210-651.000.
- Alikhan, Raza. Container for packaging and counting surgical sponges. 4,832,198, 5-23-89, Cl. 206-438.000.
- Alimonda, Andrew S.: *See—*
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- Aline-A-Lite, Inc.: *See—*
  - Cranford, Robert F., 4,867,592, Cl. 400-709.000.
- Alioto, Kevin J. Combination seat post and air pump for bicycle. 4,842,290, 6-27-89, Cl. 280-201.000.
- Alitec Corporation: *See—*
  - Zanetis, C. Christopher, 4,878,713, Cl. 299-39.000.
- Alkaitis, Anthony, deceased: *See—*
  - Hein, Richard W.; and Alkaitis, Anthony, deceased, 4,808,407, Cl. 424-141.000.
- Alkaitis, Audrey V., executrix: *See—*
  - Hein, Richard W.; and Alkaitis, Anthony, deceased, 4,808,407, Cl. 424-141.000.
- Alkaloida Vegyeszeti Gyar: *See—*
  - Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.
  - Timar, Tibor; Zsupan, Kalman; Repasi, Janos; Borsos nee Safranek, Iren; Kiss, Istvan; Fodor, Andras; and Marcy, Peter, 4,866,089, Cl. 514-456.000.
- Alkan, Sefik: *See—*
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- Alkco Manufacturing Company: *See—*
  - Brown, Tobias A.; Roos, Scott L.; Biancalana, Donald D.; and Westgaard, Donald J., 4,887,196, Cl. 362-148.000.
- Alkem GmbH: *See—*
  - Guldner, Ralf; Lasberg, Ingo; Wittmann, Kurt; and Kindleben, Gerd, 4,836,975, Cl. 376-272.000.
  - Steinhauser, Michael; Hoffmann, Gunter; Weigel, Fritz, deceased; Wittmann, Kurt; and Schafer, Dieter, 4,839,103, Cl. 252-643.000.
- Alker, Erich; Diesinger, Walter; and Sch ffl, Rainer, to Dynamit Nobel Aktiengesellschaft. Missile with remote-controlled warhead. 4,823,700, 4-25-89, Cl. 102-476.000.
- Alkhazashvili, Gia G.: *See—*
  - Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A., Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.
  - Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Chekurishvili, Gia O.; Brekhman, Izrail I.; Bulanov, Alexandr E.; and Polozhentseva, Mira I., 4,877,772, Cl. 514-23.000.
- Alkhazov, Tofik G.: *See—*
  - Ismagilov, Zinfer R; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.
- Alkmar Products Limited: *See—*
  - Finlay, Patrick A., 4,857,349, Cl. 426-502.000.
- Alko Limited: *See—*
  - Sinclair, John D., 4,882,335, Cl. 514-282.000.
- Alkov, Leonard A.: *See—*
  - Bartholomew, Wesley E.; and Tolle, Michael C., 4,885,662, Cl. 361-386.000.
- All Line, Inc.: *See—*
  - Moore, Richard A., 4.819,914, Cl. 256-10.000.
- All Packaging Machinery & Supplies Corp.: *See—*
  - Litt, Irving L., 4,798,038, Cl. 53-372.000.
- Allain, Jean-Luc: *See—*
  - Cap, Gilbert; Allain, Jean-Luc; and Benarrouch, Jacques, 4,795,648, Cl. 426-111.000.
- Allaire, Claude: *See—*
  - Hudson, Tom J.; McIntyre, John; Tremblay, Pierre; Allaire, Claude; and Gnyra, Bohdan, 4,877,507, Cl. 204-243.00R.
- Allaire, Jean-Luc, to U.S. Philips Corporation. Keyboard. 4,802,779, 2-7-89, Cl. 400-496.000.
- Allam, Ibrahim M.; and Rowcliffe, David J., to S R I International. Process for applying coatings of zirconium and/or titanium and a less noble metal to metal substrates and for converting the zirconium and/or titanium to a nitride, carbide, boride, or silicide. 4,857,116, 8-15-89, Cl. 148-279.000.
- Allam, Rodney J.; and Prentice, Alan L., to Air Products and Chemicals, Inc. Control method to maximize argon recovery from cryogenic air separation units. 4,842,625, 6-27-89, Cl. 62-22.000.
- Allam, Rodney J.: *See—*
  - Thorogood, Robert M.; Bennett, Douglas L.; Allam, Rodney J.; Prentice, Alan L.; and Dawson, Bruce K., 4,871,382, Cl. 62-18.000.
- Allan, Arthur R.; and King, David W., to Boeing Company, The. Bidirectional rotary brake. 4,850,458, 7-25-89, Cl. 188-134.000.
- Allan, David E.; and Blaser, Don E., to Exxon Research & Engineering Company. Low severity fluid coking. 4,816,136, 3-28-89, Cl. 208-127.000.
- Allan, David T., to John MacDonald & (Pneumatic Tools) Ltd. Apparatus for scabbling concrete. 4,841,842, 6-27-89, Cl. 91-234.000.
- Allan, Donald R.; and Shimano, Bruce E., to Adept Technology, Inc. Force sensor. 4,795,306, 1-3-89, Cl. 414-744.800.
- Allan, Earl E.: *See—*
  - Hart, James E.; Allan, Earl E.; and Kyllonen, Allen W., 4,830,148, Cl. 188-52.000.
- Allan, G. Graham; Freepons, Donald E.; and Crews, George M., to Melamine Chemicals, Inc. Fertilizer compositions, processes of making them, and pocesses of using them. 4,832,728, 5-23-89, Cl. 71-29.000.
- Allan, Geoffrey; Adcock, John J.; and Smith, Terence W., to Burroughs Wellcome Co. Pharmacologically active compounds and use. 4,833,126, 5-23-89, Cl. 514-18.000.
- Allan, Geoffrey: *See—*
  - Adcock, John J.; Allan, Geoffrey; and Smith, Terence W., 4,837,203, Cl. 514-17.000.
- Allan, Jack A., to AA Wire Products Company. Masonry veneer wall anchor. 4,827,684, 5-9-89, Cl. 52-378.000.
- Allan, John L.; Boettcher, Jeffery J.; Gaylord, Norman G.; and Katz, Leon, to James River-Norwalk, Inc. Epoxide coating composition. 4,873,273, 10-10-89, Cl. 523-407.000.
- Allan, Lorraine J.: *See—*
  - Allan, Nancy J.; and Allan, Lorraine J., 4,796,567, Cl. 119-158.000.
- Allan, Nancy J.; and Allan, Lorraine J. Protective bag for handling pets. 4,796,567, 1-10-89, Cl. 119-158.000.
- Allan, Robert M. Flexible C-shaped strap-like connector. 4,872,242, 10-10-89, Cl. 24-16.0PB.
- Allanson, Division of Jannock Limited: *See—*
  - Duncan, Richard C., 4,876,496, Cl. 320-31.000.
- Allard Avionics Corp.: *See—*
  - Hass, Hyman, 4,876,658, Cl. 364-550.000.

- Allard, Deborah A.: *See—*
  - Davidson, James G.; Allard, Deborah A.; Sawyer, Philip J.; and Boynton, Philip E., 4,886,522, Cl. 44-624.000.
- Allard, Edward F.; and Longmire, Daniel Q. Safe needle system for collecting fluids. 4,838,863, 6-13-89, Cl. 604-110.000.
- Allard, Edward F. Retractable needle syringe. 4,838,869, 6-13-89, Cl. 604-195.000.
- Allard, Edward F.: *See—*
  - Gazdik, Lawrence E.; and Allard, Edward F., 4,842,690, Cl. 162-57.000.
- Allard, Georges-Aloin: *See—*
  - Mange, Christian; and Allard, Georges-Aloin, 4,839,193, Cl. 426-633.000.
- Allard, John J.: *See—*
  - Bos, Peter J.; and Allard, John J., 4,850,204, Cl. 62-234.000.
- Allard, Pierre; Lefebvre, Robert; Vallee, Daniel; and Berton, Pierre, to Aerospatiale Societe Nationale Industrielle. Fuel injection system for ramjet engine. 4,852,348, 8-1-89, Cl. 60-270.100.
- Allaway Oy: *See—*
  - Harkonen, Jouko; and Mustalampi, Reino, 4,829,626, Cl. 15-314.000.
- Allchin, James F. C.: *See—*
  - Thorp, Graham M.; Allchin, James F. C.; Marquis, Geoffrey F.; Burattini, Dino; and Watt, Peter J., 4,858,401, Cl. 52-100.000.
- Allcock, Geoffrey, to Coherent, Inc. Gas discharge structure for an R.F. excited gas laser. 4,817,108, 3-28-89, Cl. 372-82.000.
- Allcock, Harry R.; Austin, Paul E.; and Kwon, Sukky, to Research Corporation Technologies, Inc. Water-soluble phosphazene polymers having pharmacological applications. 4,880,622, 11-14-89, Cl. 424-78.000.
- Allec, Josiane: *See—*
  - Grollier, Jean-Francois; Allec, Josiane; Fourcadier, Chantal; Rosenbaum, Georges; and Darmenton, Patrick, 4,880,621, Cl. 424-74.000.
- Allegheny Ludlum Corporation: *See—*
  - Burk, David L., 4,796,209, Cl. 364-559.000.
  - Hill, James B., 4,834,808, Cl. 148-12.0EA.
  - Johns, Robert H., 4,821,285, Cl. 374-152.000.
  - Johns, Robert H., 4,858,327, Cl. 33-42.000.
  - Kim, Yeong-U; and Zaremski, Donald R., 4,824,536, Cl. 294-145.00R.
  - Stroble, Carl P.; and More, Anthony P., 4,878,959, Cl. 148-111.000.
  - Toker, Nazmi; and Price, Leroy R., 4,871,402, Cl. 148-113.000.
  - Tommaney, Joseph W., 4,824,080, Cl. 266-218.000.
- Allegretti & Company: *See—*
  - Pilatowicz, Edward J.; and Zatulovsky, Leonid, 4,860,451, Cl. 30-276.000.
- Allegrezza, Anthony E., Jr.; and Burke, Edmund T., to Millipore Corporation. Composite ultrafiltration membranes. 4,824,568, 4-25-89, Cl. 210-490.000.
- Allelix, Inc.: *See—*
  - Buxton, Franics P.; Gwynne, David I.; and Davies, Roger W., 4,885,249, Cl. 435-172.300.
  - Goodbody, Anne E.; Watson, Colin D.; and Misawa, Masanaru, 4,831,133, Cl. 540-478.000.
  - Smart, Nigel J., 4,847,203, Cl. 435-314.000.
- Allemann, James G., to Rain Bird Consumer Products Mfg. Corp. Adjustable oscillating wave-type sprinkler. 4,860,954, 8-29-89, Cl. 239-101.000.
- Allemann, Martin, to Spectrospin, AG. Method for eliminating undesirable charged particles from the measuring cell of an ICR spectrometer. 4,818,864, 4-4-89, Cl. 250-291.000.
- Allen, Adrian S.; Farrar, David; and Flesher, Peter, to Allied Colloids Ltd. Process of making water-absorbent, water-insoluble, cross linked fiber or film. 4,861,539, 8-29-89, Cl. 264-204.000.
- Allen, Adrian S.: *See—*
  - Farrar, David; Langley, John G.; and Allen, Adrian S., 4,835,206, Cl. 524-457.000.
- Allen, Alfred M., to General Motors Corporation. Headlamp assembly. 4,882,658, 11-21-89, Cl. 362-61.000.
- Allen, Andrew W.: *See—*
  - Walz, David K.; Howerton, Robert D.; Allen, Andrew W.; Moss, Thera C.; and Kenney, William H., 4,840,770, Cl. 422-49.000.
  - Walz, David K.; Howerton, Robert D.; Allen, Andrew W.; Moss, Theron C.; and Kenney, William H., 4,865,816, Cl. 422-123.000.
- Allen, Anthony L.: *See—*
  - Greengrass, Michael; and Allen, Anthony L., 4,886,372, Cl. 383-100.000.
- Allen, Ashton D.: *See—*
  - Allen, D. Mason; and Allen, Ashton D., 4,887,825, Cl. 280-87.042.
- Allen, Barbara A. Kettledrum. 4,831,912, 5-23-89, Cl. 84-419.000.
- Allen, Bill. Self-coupling trailer hitch. 4,844,497, 7-4-89, Cl. 280-477.000.
- Allen, Bobby H.: *See—*
  - Pelle, Theos R.; and Allen, Bobby H., 4,867,880, Cl. 210-474.000.
- Allen-Bradley Company, Inc.: *See—*
  - Alexander, Robert H., 4,822,215, Cl. 408-9.000.
  - Alexander, Robert H.; Osmer, Thomas M.; and Neely, James W., 4,854,786, Cl. 408-1.00R.
  - Barina, Paul H., 4,829,596, Cl. 455-612.000.
  - Bittorf, Bradley J.; Flood, Mark A.; Kalan, Michael D.; and Sepsi, Robert R., 4,876,664, Cl. 364-900.000.
  - Branc, Joseph R.; Merchant, Thomas J.; Miller, William L.; and Pisczak, Philip J., 4,831,476, Cl. 360-97.020.
  - Burke, Thomas J., 4,855,906, Cl. 364-200.000.
  - Conner, Craig R., 4,845,418, Cl. 318-778.000.
  - Davis, Wesley; and Gasperi, Michael L., 4,855,830, Cl. 358-168.000.
  - Dummermuth, Ernst H.; Morris, David J.; and Korba, Michael F., 4,831,510, Cl. 364-167.010.
  - Floro, William E.; Luboski, Mark; Murphy, Timothy J.; and Campbell, Alan J., 4,809,217, Cl. 364-900.000.
  - Ilg, Gregory R. S.; Jones, Lester A.; and Flood, Mark A., 4,829,297, Cl. 340-825.080.
  - Knutsen, Neil W., 4,839,852, Cl. 364-900.000.
  - Koneval, Donald J.; Pollnow, Harold J.; and Molus, Richard J., Sr., 4,825,710, Cl. 73-866.500.
  - Miller, William L.; Horton, Robert E.; and Hayward, Peter J., 4,831,582, Cl. 364-900.000.
  - Miskin, John D., 4,804,895, Cl. 318-345.00A.
  - Stewart, Daniel L.; Immormino, Fredrick R.; Galdun, Daniel J., and Rischar, Charles M., 4,858,101, Cl. 364-131.000.
  - Struger, Odo J.; Luboski, Mark; and Murphy, Timothy J., 4,882,702, Cl. 364-900.000.
  - Struger, Odo J.; and Sammons, Barry E., 4,888,726, Cl. 364-900.000.
  - Thackston, Clyde D., 4,875,528, Cl. 173-12.000.
  - Unsworth, Peter J., 4,833,386, Cl. 318-763.000.
  - Unsworth, Peter J.; Merrison, John C.; and Rowan, Timothy M., 4,862,052, Cl. 318-757.000.
- Allen, C. Cameron, Jr.; and Lagergren, Peter J., to Pandel Instrumen Inc. Interface circuit for use in an echo ranging system. 4,850,22 7-25-89, Cl. 73-610.000.
- Allen, Cecil G. Picture frame and method of manufacture. 4,848,01 7-18-89, Cl. 40-154.000.
- Allen, Charles H., to Davie, Doris L., a part interest. Adjustable latc bolt mechanism. 4,852,918, 8-1-89, Cl. 292-169.000.
- Allen, Charles M.: *See—*
  - Bingham, David; and Allen, Charles M., 4,809,152, Cl. 363-61.00
- Allen, Charles R.; Greenhalgh, Wilbur O.; and Cowan, Richard G., t United States of America, Energy. Retention of radio-ruthenium acid processing of nuclear waste. 4,851,156, 7-25-89, Cl. 252-629.00
- Allen, Christopher M.: *See—*
  - Hanson, Raymond; Allen, Christopher M.; Albert, Karl-Heinz; a von Voithenberg, Hubertus, 4,846,919, Cl. 156-307.500.
  - Hanson, Raymond; Tillyard, Malcolm; and Allen, Christopher M 4,876,434, Cl. 219-215.000.
- Allen, Clayton H.: *See—*
  - Sommer, Richard A.; Havas, George; Tama, Mario; and Alle Clayton H., 4,807,559, Cl. 118-63.000.
- Allen, D. Mason, to Awareness Marketing Corporation, The. Wa level control. 4,853,986, 8-8-89, Cl. 4-508.000.
- Allen, D. Mason; and Allen, Ashton D. Skateboard. 4,887,825, 12-19-8 Cl. 280-87.042.
- Allen, David A., to Huffy Corporation. Compact basketball goal a backboard assembly. 4,826,162, 5-2-89, Cl. 273-1.50R.
- Allen, David J., to Rolls-Royce plc. Treatment of superalloy surfac 4,810,312, 3-7-89, Cl. 148-13.100.
- Allen, David J.; Martin, Joseph; Rose, Peter E.; and Terry, John, t Rolls-Royce PLC. Method of manufacturing a metal article by th lost wax casting process. 4,811,778, 3-14-89, Cl. 164-516.000.
- Allen, David M. Read channel architecture for processing read hea signals. 4,849,834, 7-18-89, Cl. 360-46.000.
- Allen, David T.: *See—*
  - Edelen, Stephen A.; Allen, David T.; and Zylman, Bill E 4,873,881, Cl. 74-336.00R.
- Allen, Deborah L., to General Electric Company. Resinous compo tions. 4,804,700, 2-14-89, Cl. 524-166.000.
- Allen, Dell K.: *See—*
  - Millett, Ronald P.; Millett, Howard L.; and Allen, Dell K 4,817,036, Cl. 364-900.000.
- Allen, Dennis E.: *See—*
  - Furst, Gene A.; Allen, Dennis E.; and Altamore, Peter C 4,828,842, Cl. 424-480.000.
- Allen, Dixon L., to Stephen J. Thatcher. Paint brush cleaning funn 4,823,424, 4-25-89, Cl. 15-104.920.
- Allen, Donald F.: *See—*
  - Paliotta, Michael A.; and Allen, Donald F., 4,848,541, C 206-45.140.
- Allen, Donald P.: *See—*
  - Karagoz, Berch Y.; Moore, Lyman T.; Travers, Mark D.; a Allen Donald P., 4,802,188, Cl. 373-93.000.
- Allen, Donavan J. Cricket dispenser. 4,815,230, 3-28-89, Cl. 43-55.00
- Allen, Donavan J., to Torus Corporation. Cleaning device for pa brushes and rollers. 4,836,702, 6-6-89, Cl. 401-10.000.
- Allen, Dorothy E. Shoe heel scuff protector. 4,872,271, 10-10-89, C 36-72.00B.
- Allen, Dwight L., to Florida-Kansas Health Care, Inc. Elastomer composition containing therapeutic agents and articles manufactu therefrom. 4,867,968, 9-19-89, Cl. 424-78.000.
- Allen, Edwin J. Drink cup support. 4,869,599, 9-26-89, Cl. 383-38.00
- Allen Engineering Corporation: *See—*
  - Allen, J. Dewayne, 4,798,494, Cl. 404-114.000.
- Allen, Ernie I.: *See—*
  - Johnson, Harlan B.; Wiedrich, Charles R.; Allen, Ernie I.; a Howell, Peter P., 4,865,760, Cl. 252-187.280.
- Allen, Francis; Creasey, James A.; and Brant, Ronald, to VIM Corpo tion. Wrist support device and method of fabricating same. 4,829,6 5-16-89, Cl. 2-170.000.
- Allen, Frank R.; and Hopkins, John, to Textron Inc. Debris collec bag. 4,846,588, 7-11-89, Cl. 383-41.000.
- Allen, Fred C.; and Steele, Scott W., to Owens-Illinois Plastic Produc Inc. Can package. 4,815,589, 3-28-89, Cl. 206-150.000.

- Allen, Fredric. Hinged shoulder pad. 4,845,785, 7-11-89, Cl. 2-268.000.
- Allen Fruit Co., Inc.: *See—*
  - Harper, Chester H., 4,813,532, Cl. 198-760.000.
- Allen, Gene E.: *See—*
  - Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., 4,883,244, Cl. 244-171.000.
- Allen, George: *See—*
  - Glaser, Thomas; Raddatz, Siegfried; Traber, Jorg; and Allen, George, 4,870,085, Cl. 514-323.000.
- Allen, George C.; Pellon, Brian J.; and Hughes, Michael P., to Rexene Products Company. Novel propylene polymerization process. 4,847,340, 7-11-89, Cl. 526-125.000.
- Allen, George C.: *See—*
  - Pellon, Brian J.; Allen, George C.; and Hughes, Michael P., 4,859,757, Cl. 526-348.000.
- Allen, George S.: *See—*
  - Junge, Bodo; Richter, Bernd; Glaser, Thomas; Traber, Jorg; and Allen, George S., 4,873,262, Cl. 514-510.000.
  - Schohe, Rudolf; Glaser, Thomas; Traber, Jorg; and Allen, George S., 4,880,802, Cl. 514-222.200.
- Allen, Gerald J., to Serone Diagnostics Partners. Double-labeled enzymeimmunoassay methods. 4,808,521, 2-28-89, Cl. 435-7.000.
- Allen, Gordon H.; Bynum, Byron G.; and Harnishfeger, David B., to Motorola, Inc. Voltage translator circuit. 4,814,635, 3-21-89, Cl. 307-264.000.
- Allen Group, Inc., The: *See—*
  - Calleson, Gerald C., 4,858,686, Cl. 165-173.000.
- Allen, Henry V.: *See—*
  - Ingle, Lloyd D.; Allen, Henry V.; and Knutti, James W., 4,884,223, Cl. 364-550.000.
  - Knutti, James W.; Allen, Henry V.; Petersen, Kurt E.; and Kowalski, Carl R., 4,861,420, Cl. 156-633.000.
- Allen, Herbert. Method and apparatus for removing a cork or plastic stopper from a champagne bottle. 4,800,783, 1-31-89, Cl. 81-3.400.
- Allen, Herbert, to Hallen Company. Apparatus for removing corks from bottles. 4,800,784, 1-31-89, Cl. 81-3.360.
- Allen, Herbert, to Hallen Company. Foil cutter. 4,845,844, 7-11-89, Cl. 30-1.500.
- Allen, Ioan R.: *See—*
  - Dolby, Ray M.; Allen, Ioan R.; and Pauker, Randolph G., 4,815,068, Cl. 369-175.000.
  - Mandell, Douglas E.; Todd, Craig C.; Allen, Ioan R.; and Davis, Mark F., 4,799,260, Cl. 381-22.000.
- Allen, J. Dewayne, to Allen Engineering Corporation. Floating vibrational screed. 4,798,494, 1-17-89, Cl. 404-114.000.
- Allen, J. Warren: *See—*
  - Lilley, Geroge M., 4,867,867, Cl. 209-166.000.
- Allen, James D.; and Thompson, John R., to Eastman Kodak Company. Page check for copier/printers. 4,849,821, 7-18-89, Cl. 358-405.000.
- Allen, James L.: *See—*
  - Barmatz, Martin B.; and Allen, James L., 4,800,756, Cl. 73-505.000.
  - Elleman, Daniel D.; Allen, James L.; and Lee, Mark C., 4,840,496, Cl. 374-124.000.
- Allen, James P.; and Corwin, Richard R., to United States of America, Interior. Process for acid leaching of manganese oxide ores aided by hydrogen peroxide. 4,872,909, 10-10-89, Cl. 75-101.00R.
- Allen, Jan W. Wig. 4,825,886, 5-2-89, Cl. 132-54.000.
- Allen, Jerry L. Conduit coupler. 4,865,354, 9-12-89, Cl. 285-18.000.
- Allen, Jimmy D.; Cobb, Michael E.; Hillman, Robert S.; Mungall, Dennis R.; Ostoich, Vladimir E.; and Stroy, Gary H., to Biotrack, Inc. Integrated drug dosage form and metering system. 4,797,283, 1-10-89, Cl. 424-443.000.
- Allen, Joan A. Commode device for invalid patients. 4,837,868, 6-13-89, Cl. 4-480.000.
- Allen, John: *See—*
  - George, Pascal; and Allen, John, 4,808,594, Cl. 514-300.000.
  - George, Pascal; Allen, John; Jaurand, Guy; and De Peretti, Daniele, 4,847,263, Cl. 514-300.000.
- Allen, John D., Jr.; and Butler, Philip L., to Martin Marietta Energy Systems, Inc. Parallel machine architecture for production rule systems. 4,837,735, 6-6-89, Cl. 364-513.000.
- Allen, John J., to General Motors Corporation. Apparatus and method of vehicle seat latch. 4,846,526, 7-11-89, Cl. 297-378.000.
- Allen, John L.: *See—*
  - Ainsworth, Roger W.; Allen, John L.; and Kurtz, Anthony D., 4,860,442, Cl. 29-8.320.
- Allen, John S.; Butler, John P.; and Phillips, Floyd L., Jr., to R. J. Reynolds Tobacco Company. Cigarette package. 4,852,734, 8-1-89, Cl. 206-273.000.
- Allen, John T., to Halliburton Company. Mechanical fuse for reciprocating roller chain. 4,846,769, 7-11-89, Cl. 474-218.000.
- Allen, John T.; Pitts, Alan J.; Roberts, Don M.; and Cogbill, Randall B., to Halliburton Company. Air preheater water jet cleaning apparatus. 4,850,423, 7-25-89, Cl. 165-5.000.
- Allen, John V.; Put, Berend; and Boraston, Geoff W. Fluidized bed reactor with two zone combustion. 4,879,958, 11-14-89, Cl. 110-245.000.
- Allen, Joseph M., Jr. Ion deposition printer with improved toning unit assembly including apparatus for separating and removing non-magnetic lubricating particles. 4,809,035, 2-28-89, Cl. 355-3.0DD.
- Allen, Kermit: *See—*
  - Menger, William M.; Kern, Ernest E.; Allen, Kermit; Karkalits, O. C.; Wise, Donald L.; and Leuschner, Alfred P., 4,845,034, Cl. 435-167.000.
- Allen, Larry N.: *See—*
  - Hanson, Richard S.; and Allen, Larry N., 4,824,786, Cl. 435-252.300.
- Allen, Lewis E. Leaf bundling rake. 4,848,074, 7-18-89, Cl. 56-400.120.
- Allen, Lisa P.: *See—*
  - Fan, John C. C.; Zavracky, Paul M.; Narayan, Jagdish; Allen, Lisa P.; and Vu, Duy-Phach, 4,885,052, Cl. 156-620.700.
- Allen, Louis. Holder for a beverage container. 4,799,638, 1-24-89, Cl. 248-311.200.
- Allen, Louis. Carrier for a beverage container. 4,865,237, 9-12-89, Cl. 224-42.45R.
- Allen, Louis B., Jr.: *See—*
  - Gilden, Meyer; and Allen, Louis B., Jr., 4,868,894, Cl. 455-617.000.
- Allen, Luanne M.; Hagerty, Robert O.; and Mohring, Richard O., to Mobil Oil Corporation. Catalyst composition for polymerizing alpha-olefins. 4,888,318, 12-19-89, Cl. 502-105.000.
- Allen, Lynne M.: *See—*
  - Newhouse, Thomas J.; Allen, Lynne M.; and Goeman, Donald D., 4,861,122, Cl. 312-317.100.
- Allen, Margaret A., to United States of America, National Aeronautics and Space Administration. Emergency egress fixed rocket package. 4,860,971, 8-29-89, Cl. 244-122.0AD.
- Allen, Mark D., to M.D.R. Group, Inc. Viscoelastic vitreous substitute with UV blocker. 4,853,374, 8-1-89, Cl. 514-57.000.
- Allen, Mark L. Security hardware for doors. 4,809,400, 3-7-89, Cl. 16-82.000.
- Allen, Max D.: *See—*
  - Coates, Donald A.; Manthei, Philip J.; and Allen, Max D., 4,798,424, Cl. 312-257.00R.
- Allen, Michael, to Advanced Micro Devices, Inc. Bipolar programmable logic array. 4,849,933, 7-18-89, Cl. 365-96.000.
- Allen, Michael: *See—*
  - Curtis, Stephen S.; and Allen, Michael, 4,865,860, Cl. 426-482.000.
  - Willis, Michael A., 4,886,349, Cl. 351-111.000.
- Allen, Michael C.: *See—*
  - Dorner, Wolfgang C.; Allen, Michael C.; Wedell, Mark C.; and Hosch, Michael A., 4,861,225, Cl. 414-789.900.
- Allen, Michael E., to Dayco Products, Inc. Pulley construction, drive system utilizing the same and methods of making the same. 4,820,246, 4-11-89, Cl. 474-174.000.
- Allen-Morrison, Inc.: *See—*
  - Callahan, David T.; and Moorefield, Barry A., 4,854,479, Cl. 221-304.000.
- Allen, Nicholas J.: *See—*
  - Lowe, Christopher H.; and Allen, Nicholas J., 4,860,929, Cl. 222-189.000.
- Allen, Pamela J. Disposable pet toilet unit. 4,858,559, 8-22-89, Cl. 119-1.000.
- Allen, Patricia L. Antique doll protection system. 4,865,097, 9-12-89, Cl. 150-154.000.
- Allen, Paul C.; and Warkentin, Paul A., to ATEQ Corporation. Laser pattern generation apparatus. 4,796,038, 1-3-89, Cl. 354-4.000.
- Allen, Paul C.; and Warkentin, Paul A., to ATEQ Corporation. Beam splitting apparatus. 4,797,696, 1-10-89, Cl. 354-4.000.
- Allen, Paul M., to Cincinnati Microwave, Inc. Visor clip for mounting radar detector. 4,887,753, 12-19-89, Cl. 224-312.000.
- Allen, Peter D., and Jackman, Peter R., to First Inertia Switch Limited. Inertia sensor. 4,815,320, 3-28-89, Cl. 73-517.00R.
- Allen, Philip C., to British Petroleum Company p.l.c., The. Poly(acetylene) films having localized zones of a low conductivity material. 4,798,782, 1-17-89, Cl. 430-270.000.
- Allen, Philip C. Process of producing poly(acetylene) films having localized zones of a low conductivity material. 4,868,094, 9-19-89, Cl. 430-322.000.
- Allen, R. Daniel, to Edgewater Medical Systems. Medical stirrup. 4,809,687, 3-7-89, Cl. 128-84.00R.
- Allen, R. George, to Truth Incorporated. Combined window operator and hinge. 4,823,508, 4-25-89, Cl. 49-252.000.
- Allen, Ralph S., III. Multi-functional filtering medium. 4,861,481, 8-29-89, Cl. 210-502.100.
- Allen, Richard B.; Bacskai, Barbara M.; Roberts, Daniel L.; and Bopp, Richard C., to General Electric Company. Low density extruded foam having high compressive strength. 4,857,390, 8-15-89, Cl. 428-220.000.
- Allen, Richard B.; Gibbs, William E.; and Hans, Lynn M., to General Electric Company. Expandable thermoplastic resin beads. 4,874,796, 10-17-89, Cl. 521-59.000.
- Allen, Richard M., to Boeing Company, The. Tone injected nacelle for aeroacoustic wind tunnel testing. 4,817,422, 4-4-89, Cl. 73-147.000.
- Allen, Robert C., to Shell Oil Company. Polymer processing. 4,876,307, 10-24-89, Cl. 524-612.000.
- Allen, Robert D.; Frechet, Jean M. J.; Twieg, Robert J.; and Willson, Carlton G., to International Business Machines Corporation. Negative resist compositions. 4,800,152, 1-24-89, Cl. 430-270.000.
- Allen, Robert D.; Chiong, Kaolin N.; Chow, Ming-Fea; MacDonald, Scott A.; Yang, Jer-Ming; and Willson, Carlton G., to International Business Machines Corporation. Top imaged resists. 4,810,601, 3-7-89, Cl. 430-18.000.
- Allen, Robert H.; and Ibrahim, Jameel, to Ethyl Corporation. Dopant coated bead-like silicon particles. 4,851,297, 7-25-89, Cl. 428-570.000.
- Allen, Robert H., to Ethyl Corporation. Fluidized bed process. 4,868,013, 9-19-89, Cl. 427-213.000.
- Allen, Robert H., to Ethyl Corporation. Hydrogen purification process. 4,871,524, 10-3-89, Cl. 423-349.000.

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Allen, Robert J.; Rolando de Alvare, Louis; and Spence, Floyd G., to BASF Corporation. Colorants for ball point pen and ribbon inks derived from pararosaniline process residue. 4,800,043, 1-24-89, Cl. 260-391.000.

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Allen, Sebree J. Teepee structure. 4,838,292, 6-13-89, Cl. 135-100.000.

Allen, Sheril L. Illuminated decorative ornament. 4,833,580, 5-23-89, Cl. 362-451.000.

Allen, Simon; Gordon, Paul F.; and Hann, Richard A., to Imperial Chemical Industries plc. Azo compound having one or two aliphatic or cycloaliphatic groups containing a total of 8 to 40 carbon atoms therein. 4,804,747, 2-14-89, Cl. 534-573.000.

Allen, Standish K.; Chaiton, Jonathan A.; and Downing, Sandra L., to University of Washington, Board of Regents of the. Inducing polyploidy in oysters. 4,834,024, 5-30-89, Cl. 119-4.000.

Allen, Stephen D. Fire fighting apparatus. 4,811,796, 3-14-89, Cl. 169-62.000.

Allen, Terry F.; and Schisler, Robert C., to Goodyear Tire & Rubber Company, The. Cure system for open steam curing of mineral-loaded chlorobutyl compounds. 4,873,290, 10-10-89, Cl. 525-337.000.

Allen, Theresa M., to Liposome Technology, Inc. Liposomes with enhanced circulation time. 4,837,022, 6-6-89, Cl. 424-450.000.

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Allen, Thomas C., to Anderson, Mark L. Trocar assembly for drawing fluids from a body part. 4,810,244, 3-7-89, Cl. 604-44.000.

Allen, Thomas F.; and Austin, David G., to Thomas F. Allen et al. Apparatus and method for processing oil well brine. 4,804,477, 2-14-89, Cl. 210-737.000.

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Allen, William M.; Sansom, Bernard F.; Wilson, Alan D.; Prosser, Havard J.; and Groffman, David M., to National Research Development Corporation. Sustained release composition. 4,880,628, 11-14-89, Cl. 424-605.000.

Allen, William M., Jr.; Parker, Delmer G.; and Stark, Howard M., to Xerox Corporation. Highlight color imaging apparatus. 4,868,608, 9-19-89, Cl. 355-303.000.

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Allenson, Stephan J., to Nalco Chemical Company. Water clarification process and composition and method. 4,873,280, 10-10-89, Cl. 524-437.000.

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Alley, Robert P., to General Electric Company. Current sensor using hall-effect device with feedback. 4,823,075, 4-18-89, Cl. 324-117.00H.

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Allgauer, Hans; Kremnitz, Harald; and Obersberger, Martin, to Nor Hydro A.S. Fluid cooler. 4,821,797, 4-18-89, Cl. 165-141.000.

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Allgeier, Hans, to Ciba-Geigy Corporation. 1-phenyl-lower alky imidazole 4- or 5-carboxamide compounds which are useful in the treatment of epilepsy. 4,851,424, 7-25-89, Cl. 514-400.000.

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Glaser, Jerry; and Elpern, David G., 4,798,523, Cl. 417-407.000.

Goodman, Walter H., 4,849,558, Cl. 570-179.000.

Gu, Alston L., 4,795,274, Cl. 384-106.000.

Gu, Alston L., 4,818,123, Cl. 384-106.000.

Gu, Alston L., 4,871,267, Cl. 384-105.000.

Gutknecht, Daniel A., 4,850,820, Cl. 417-407.000.

Hackler, Lewis R., 4,871,604, Cl. 428-96.000.

Hall, John L.; Fenzel, David T.; and Shamine, Dennis R., 4,830,161, Cl. 192-91.00A.

Hardy, James A., 4,835,963, Cl. 60-274.000.

Harpell, G. A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., 4,883,700, Cl. 428-113.000.

Harpell, Gary A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., 4,820,568, Cl. 428-113.000.

Harper, Allen D., 4,842,050, Cl. 165-47.000.

Harper, Allen D., 4,848,445, Cl. 165-46.000.
Harris, Paul S.; and Stevens, Larry E., 4,858,838, Cl. 242-43.00A.
Harter, Donald J., 4,809,283, Cl. 372-41.000.
Hasegawa, Ryusuke, 4,823,113, Cl 340-551.000.
Hasegawa, Ryusuke; and Fish, Gordon E., 4,834,814, Cl. 148-304.000.
Hasegawa, Ryusuke; and Fish, Gordon E., 4,834,816, Cl. 148-304.000.
Henk, Michael G.; and Summers, Jack C., II, 4,868,148, Cl. 502-303.000.
Henschel, Claude, 4,801,072, Cl. 228-245.000.
Herten, Joris F.; and Louies, Bernard D., 4,853,427, Cl. 524-394.000.
Hill, John E.; and Ruthven, Raymond D., 4,813,607, Cl. 239-265.290.
Hou, Janpu; Chai, Bruce H.; Badding, David D.; West, Gary A.; and Marcus, Stephen L., 4,889,993, Cl. 250-365.000.
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Jensen, Lloyd B., 4,864,859, Cl. 73-473.000.
Johannesen, Donald D.; and Taig, Alistair G., 4,850,459, Cl. 188-156.000.
Johnson, Gary W., 4,809,552, Cl. 73-517.00R.
Jow, Taiguang R.; and Shacklette, Lawrence W., 4,804,594, Cl. 429-194.000.
Joy, George C., III; and Homeier, Edwin H., 4,849,399, Cl. 502-333.000.
Joy, Theodore J.; Mohile, Vivek V.; and Richards, William L., 4,861,234, Cl. 417-273.000.
Kartheiser, Peter J., 4,868,054, Cl. 428-383.000.
Kavesh, Sheldon; Prevorsek, Dusan C.; and Harpell, Gary A., 4,819,458, Cl. 66-202.000.
Kavesh, Sheldon; Prevorsek, Dusan C.; and Harpell, Gary A., 4,876,774, Cl. 28-166.000.
Kelly, Robert J., 4,876,550, Cl. 342-451.000.
Khanna, Yash P., 4,861,838, Cl. 525-432.000.
Khanna, Yash P.; Bhattacharjee, Himangshu R.; Kumar, Rakesh; Williams, Jon I.; and Sibilia, John P., 4,876,127, Cl. 428-35.700.
Kieckhafer, Roger M.; Finn, Alan M.; and Walter, Chris J., 4,805,107, Cl. 364-200.000.
Killian, Kevin M., 4,876,447, Cl. 250-227.000.
Kinney, Terrance R.; Emo, Stephen M.; and Poorman, Richard N., 4,852,079, Cl. 370-3.000.
Kinney, Terrance R.; and Arnett, Eric M., 4,857,726, Cl. 250-226.000.
Korody, Mark A., 4,850,454, Cl. 188-1.110.
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Krause, Jeffrey J., 4,842,532, Cl. 439-174.000.
Kuper, Jerry W.; Langert, William E.; and Barrett, Joseph J., 4,858,242, Cl. 372-72.000.
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Laessle, David L.; Carlson, Todd S.; Krochmalny, Andrew J.; and Anderson, Leroy C., 4,871,296, Cl. 415-123.000.
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Lo, Pei-hwa; Sokolich, James M.; and Matesich, Ardis M., 4,853,944, Cl. 375-94.000.
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Lund, Earl A. E.; Basu, Rajat S.; and Wilson, David P., 4,816,175, Cl. 252-171.000.
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Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., 4,842,764, Cl. 252-171.000.
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Malka, Jacob H.; and Goodman, Joseph T., 4,859,923, Cl. 318-685.000.
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Marshall, Robert M., 4,873,144, Cl. 428-395.000.
Marshall, Robert M., 4,874,663, Cl. 428-272.000.
Marshall, Robert M., 4,886,707, Cl. 428-395.000.
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Martinic, Jack, 4,844,119, Cl. 137-596.170.
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McAfee, David D., 4,798,052, Cl. 60-572.000.
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McCarty, Frederick B., 4,857,785, Cl. 310-78.000.
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Moore, Robert G., Jr., 4,836,089, Cl. 91-446.000.
Morris, Robert C.; Schroeder, Norman G.; Kuper, Jerry W.; Shand, Michael L.; and Barrett, Joseph J., 4,835,786, C 372-72.000.
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Newell, Charles E., 4,855,336, Cl. 523-152.000.
Nosse, John G.; and Wolfli, Clyde R., 4,844,211, Cl. 188-79.550.
Olson, Larry D.; and Pallardy, Eugene P., Jr., 4,876,325, C 528-170.000.
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Oltmanns, Roger W., Jr.; and Sherman, William E., II, 4,809,82 Cl. 188-73.310.
Palanisamy, Thirumalai G.; and Mendelson, Stuart E., 4,876,49 Cl. 320-18.000.
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Paul, Charles W.; and Mackey, Joseph E., 4,804,427, C 156-181.000.
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Preuss, Ernest A., 4,812,752, Cl. 324-542.000.
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Rabinkin, Anatol, 4,871,622, Cl. 428-576.000.
Richman, Jay L.; and Chan, Adrian, 4,809,302, Cl. 375-107.000.
Rodino, Louis S.; and Carr, Clyde E., 4,844,212, Cl. 188-79.560.
Rossigno, Louis P., 4,820,076, Cl. 403-284.000.
Rossigno, Louis P.; and Nofzinger, Harold M., 4,826,121, C 248-222.200.
Rowan, Hugh H.; and Neal, James G., 4,851,172, Cl. 264-130.00
Schmitt, George J.; Prevorsek, Dusan C.; Chin, Hong B.; and Len Kwok W., 4,845,162, Cl. 525-423.000.
Schultz, Max L.; and Black, Raymond J., 4,804,071, Cl. 188-71.50
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Shkedi, Zvi; Lips, Donald C.; and McCormack, William H 4,864,463, Cl. 361-283.000.
Silgailis, John; Nathasingh, Davidson; and Bruckner, Christoph A., 4,877,464, Cl. 148-108.000.
Skinner, David J.; Chipko, Paul A.; and Okazaki, Kenji, 4,805,6 Cl. 164-423.000.
Sopchak, Peter; and Skovrinski, Adam L., 4,820,553, C 427-304.000.
Steer, John E., 4,860,541, Cl. 60-578.000.
Strangman, Thomas E., 4,867,639, Cl. 415-173.400.
Strangman, Thomas E.; and Solfest, Patricia A., 4,880,614, C 428-623.000.
Sundquist, Robert S.; and McBride, Thomas S., 4,888,594, C 342-389.000.
Swan, Ellen L.; and Basu, Rajat S., 4,863,630, Cl. 252-171.000.
Swan, Ellen L.; Basu, Rajat S.; Lund, Earl A. E.; and Wils David P., 4,873,015, Cl. 252-171.000.
Swedo, Raymond J.; Arena, Blaise J.; and Firth, Bruce E 4,815,445, Cl. 127-46.100.
Swedo, Raymond J.; and Zupancic, Joseph J., 4,885,091, C 210-500.370.
Sypniewski, James M., 4,838,620, Cl. 303-116.000.
Taig, Alistair G.; Jackson, Robert W.; and DeHays, Richard N 4,804,073, Cl. 188-72.100.
Taig, Alistair G., 4,836,338, Cl. 188-72.100.
Taig, Alistair G., 4,850,457, Cl. 188-72.100.
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Tallman, Jack A., 4,835,969, Cl. 60-39.281.
Terpstra, Larry J.; and Babel, William R., 4,888,540, C 318-689.000.
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Tsang, Peter; Rhee, Seong; Jacko, Michael; and Kubik, Jam 4,883,023, Cl. 123-25.00A.
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Twilley, Ian C.; and Lofquist, Robert A., 4,808,675, Cl. 525-408.000.
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Vandemotter, Patrick J.; Hutchins, Merlyn L.; Canale, Jon S.; and Koyan, Kenneth R., 4,837,552, Cl. 340-461.000.
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Varnell, William D.; Newton, Thomas D.; and Holte, Mark D., 4,806,596, Cl. 525-312.000.
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Vick, Ralph L., 4,794,845, Cl. 91-387.000.
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Whalen, Philip J.; Reidinger, Franz; and Antrim, Robert, 4,853,353, Cl. 501-103.000.
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Wilson, Colleen R.; Burne, Richard A.; and Berkovich, Semyon, 4,855,997, Cl. 370-85.000.
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Woodhouse, Geoffrey D., 4,813,632, Cl. 244-95.000.
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Wrezel, James A., 4,870,138, Cl. 525-391.000.
Wright, E. Scott; and Kenehan, James G., 4,867,644, Cl. 416-230.000.
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Zedalis, Michael S.; Gilman, Paul S.; and Raybould, Derek, 4,869,751, Cl. 75-249.000.
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Zinnen, Hermann A.; Oroskar, Anil R.; and Chang, Chin-Hsiung, 4,810,266, Cl. 55-68.000.
Zulauf, Gary B.; and Weber, David C., 4,816,643, Cl. 219-270.000.
Zupancic, Joseph J.; and Conrad, Jeffrey F., 4,804,721, Cl. 525-502.000.
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Zupancic, Joseph J.; Conrad, Jeffrey P.; Wrezel, James A.; Zweig, Andrew M.; and Frechet, Jean M. J., 4,824,920, Cl. 525-534.000.
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Allington, Robert W.; and Friling, Larry J., to Isco, Inc. Ground fault detector for high-voltage DC power supplies. 4,809,123, 2-28-89, Cl. 361-42.000.
Allington, Robert W.; Tehrani, Abolghassem Y.; and Jones, John N., to Isco, Inc. Apparatus for reducing tailing in a liquid chromatograph. 4,863,592, 9-5-89, Cl. 210-96.100.
Allington, Robert W., to Isco, Inc. Chromatographic pumping system. 4,869,374, 9-26-89, Cl. 210-198.200.
Allington, Robert W.; and Jones, John N., to Isco, Inc. Chromatographic system. 4,882,063, 11-21-89, Cl. 210-659.000.
Allington, Robert W., to Isco, Inc. Method for predicting steady-state conditions. 4,882,781, 11-21-89, Cl. 364-510.000.
Allio, Roland; Chifflet, Raymond; and Jeantin, Phillipe, to Compagnie Generale d'Automatisme CGA-HBS. Conveyor device for flat objects. 4,802,665, 2-7-89, Cl. 271-225.000.
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  Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugui, Elsie M.; and Lee, William A., 4,861,776, Cl. 514-233.500.
Allison, Bill W. Catamaran type boat. 4,870,919, 10-3-89, Cl. 114-61.000.
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Allison, Joe D.; Thomas, Sally A.; and Yang, Kang, deceased (by Yang, Kumsu, executrix), to Conoco Inc. Process for converting sulfide ion to innocuous, solubile sulfur species. 4,839,154, 6-13-89, Cl. 423-544.000.
Allison, John G. Artificial pine needle. 4,855,166, 8-8-89, Cl. 428-15.000.
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  Baldi, Alfonso L., 4,871,708, Cl. 502-301.000.
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Allred, Jimmie B., III; and Bingham, Richard, to Welch Allyn, Inc. Endoscope steering section. 4,796,607, 1-10-89, Cl. 128-4.000.
Allred, Jimmie B., III; Kokosa, Richard A.; Krauter, Allan I.; and Newman, Richard W., to Welch Allyn, Inc. Video hysteroscope. 4,836,189, 6-6-89, Cl. 128-6.000.
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Allsop, Bryan E.: *See—*
Smith, Kevin K.; and Allsop, Bryan E., 4,859,935, Cl. 324-121.00R.
Smith, Kevin K.; Allsop, Bryan E.; and Naik, Seb, 4,882,482, Cl. 250-214.00A.
Allsop, Inc.: *See—*
Clausen, Eivind, 4,816,952, Cl. 360-128.000.
Allsop, Jon I.; and Mc Morrow, Gerald J. Avalanche victim locating apparatus. 4,850,031, 7-18-89, Cl. 455-49.000.
Allsopp, James F.; and Schwartz, Robert, to North Sails, Inc. Batten for sail. 4,864,953, 9-12-89, Cl. 114-103.000.
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Peter, Roland; Ebel, Klaus; and Allspach, Thomas, 4,855,427, Cl. 544-198.000.
Allstar Vergrauchsguter GmbH: *See—*
Richter, Hans-Jurgen, 4,840,361, Cl. 269-289.00R.
Alltech Services, Incorporated: *See—*
Rosenfield, Ronald H., 4,889,044, Cl. 99-510.000.
Allton, Charles S.; and O'Kane, James H., to United States of America, National Aeronautics and Space Administration. Hatch cover. 4,842,223, 6-27-89, Cl. 244-158.00R.
Alltrade, Inc.: *See—*
Cheng, Se L., 4,830,579, Cl. 417-234.000.
Alltronik Gesellschaft fur Elektronische Steuerung und Antriebe mbH: *See—*
Schulze, Matthias, 4,878,052, Cl. 340-825.690.
Allured, Stanley E. Wind propelled apparatus. 4,831,950, 5-23-89, Cl. 114-39.100.
Allwein, Robert J., to Manville Corporation. Batt packaging machine and method. 4,805,383, 2-21-89, Cl. 53-528.000.
Allwein, Robert J., to Manville Corporation. Method and conveyor for transporting articles. 4,848,539, 7-18-89, Cl. 198-804.000.
Allwin, Roger P., to Lindsey Completion Systems, Inc. Rotatable liner hanger. 4,848,462, 7-18-89, Cl. 166-208.000.
Allwin, Roger P.: *See—*
Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., 4,828,037, Cl. 166-382.000.
Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., 4,862,966, Cl. 166-382.000.
Alm, Ake W. Radiation scanner uniformity system. 4,821,337, 4-11-89, Cl. 382-58.000.
Alm, Lars E., to Environmental Pollution Control System EPCON AB. Filter apparatus for removing hydrocarbon contaminants from water, particularly for purifying oil contaminated water. 4,839,040, 6-13-89, Cl. 210-167.000.
Alm, Roger R.; Dunsmore, Irvin F.; and Stern, Richard M., to Minnesota Mining & Manufacturing Company. Poly(oxyalkylene) poly(aliphatic isocyanate) prepolymer and polyurea polymer derived therefrom by reaction with polyamine. 4,795,764, 1-3-89, Cl. 521-107.000.
Alm, Sture I. E., to Sandvik AB. Metal saw device. 4,827,619, 5-9-89, Cl. 30-507.000.
Alma-atinsky, Institut, Inzhenero, Zheleznodorozhnogo Transporta: *See—*
Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Oleinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-18.000.
Almagor, David; and Peters, John M., to Ketema, Inc. Sonar system with area moving target indicator. 4,862,427, 8-29-89, Cl. 367-101.000.
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Webb, Frederick W., Jr.; Almendinger, Allen D.; Bright, Kevin L.; Hendren, Kenneth J.; Petersen, Donald D.; Dandrea, Michael B.; and Carlson, Wesley R., 4,819,162, Cl. 364-401.000.
Almeras, Roland; and Vernerey, Jean-Claude, to Societe de Prospection et d'Inventions Techniques S.P.I.T. Indirect firing fastener driving tool. 4,824,003, 4-25-89, Cl. 227-10.000.
Almeras, Roland, to Societe de Prospection et d'Inventions Techniques (S.P.I.T.). Sealing or driving apparatus for work underwater. 4,848,209, 7-18-89, Cl. 89-1.140.
Almeras, Roland, to Societe de Prospection et d'Inventions Techniques S.P.I.T. Indirect firing fastener driving apparatus with firing power adjustment. 4,877,171, 10-31-89, Cl. 227-10.000.
Almeras, Roland, to Societe de Prospection et d'Inventions Techniques (S.P.I.T.). Explosive diving tool apparatus with improved extractor. 4,883,213, 11-28-89, Cl. 227-10.000.
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Ollivier, Jean; and Almeras, Roland, 4,854,793, Cl. 411-49.000.
Almering, Antonius F. J., to U.S. Philips Corporation. Switching arrangement. 4,881,012, 11-14-89, Cl. 315-209.00R.
Almering, Antonius F. J.; and Melai, Henri A. I., to U.S. Philips Corporation. DC-AC converter for supplying a gas and/or vapour discharge lamp. 4,887,007, 12-12-89, Cl. 315-243.000.
Almex Control Systems Limited: *See—*
Meade, Roger; Schofield, Paul; and Wright, Michael C., 4,845,650, Cl. 364-708.000.
Schofield, Paul; and Sewell, Graham P., 4,889,437, Cl. 400-73.000.
Almog, Rami; Anderson-Samsonoff, Carol; and Berns, Donald S., to Health Research, Inc. Colorimetric assay and methods for using same. 4,839,294, 6-13-89, Cl. 436-71.000.
Almond, Jeffrey W.: *See—*
Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; and Almond, Jeffrey W., 4,810,491, Cl. 424-88.000.
Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; Almond, Jeffrey W.; and Ferguson, Morag, 4,857,634, Cl. 530-324.000.
Almozaffar, Sam: *See—*
Packer, Julian P.; and Almozaffar, Sam, 4,880,993, Cl. 290-2.000.
Alnafissa, Fahad A. Educational playing cards. 4,801,149, 1-31-89, Cl. 273-302.000.
Alnafissa, Fahad A. Insect trapping pet food dish. 4,802,302, 2-7-89, Cl. 43-114.000.
Aloi, Anthony J.; Bernard, Robert R.; and Proulx, Edward A., to General Electric Company. Magazine ammunition conveying system. 4,876,940, 10-31-89, Cl. 89-33.160.
Aloka Co., Ltd.: *See—*
Namekawa, Kouroku, 4,799,490, Cl. 128-661.090.
Alon, Gad: *See—*
Yecheskel, Herzel B.; Alon, Gad; and Beck, Eliezer, 4,796,334, C 19-0.270.
Yescheskel, Herzel B.; Alon, Gad; and Beck, Eliezer, 4,888,856, C 19-0.270.
Alon, Yair, to Lear Siegler, Inc. Doppler radar method and apparat for measuring a projectile's muzzle velocity. 4,837,718, 6-6-89, C 364-565.000.
Alonso, Enrique E.: *See—*
Marin, Gerardo A.; Alonso, Enrique E.; and Sanchez, Juan-Fra cisco S., 4,863,569, Cl. 202-241.000.
Alonso, Frank, to Spectra Star Kites. Flexible frame fastening syste for kites. 4,798,356, 1-17-89, Cl. 244-153.00R.
Alonso, Frank, to Llumar Star Kites, Inc. Kite bridle and metho 4,871,133, 10-3-89, Cl. 244-153.00R.
Alonso, Miguel A.: *See—*
Weissman, Sherman M.; and Alonso, Miguel A., 4,835,255, C 530-350.000.
Alopex Industries, Inc.: *See—*
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Alosio, Alan E.: *See—*
Knight, Patricia M.; Portnoy, Vladimir; Christ, F. Richard; Alos Alan E.; Van Gent, Stanley L.; and Paul, Lyle E., 4,834,751, C 623-6.000.
Alota, Santa; Ferrari, Vincenzo; Memmi, Massimo; Pacelli, Leonard and Ramundo, Susanna, to Centro Sviluppo Materiali S.p.A. Proce for continuous electrodeposition of chromium metal and chromiu oxide on metal surfaces. 4,875,983, 10-24-89, Cl. 204-28.000.
Aloy, Jorge N. Spoked vehicle wheel with tubeless tire. 4,824,17 4-25-89, Cl. 301-58.000.
Alpegiani, Marco: *See—*
Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zar Franco; Franceschi, Giovanni; and Bruna, Costantino D 4,837,215, Cl. 514-192.000.
Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zar Franco; Franceschi, Giovanni; and Bruna, Costantino D 4,863,914, Cl. 514-192.000.
Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zar Franco; Della Bruna, Costantino; and Franceschi, Giovan 4,886,793, Cl. 514-192.000.
Alperin, Elayne P.: *See—*
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Alperin, Morton; and Wu, Jiunn-Jenq, to Alperin, Elayne P. Axial symmetric, jet-diffuser ejector. 4,815,942, 3-28-89, Cl. 417-167.00
Alpermann, Hans G.: *See—*
Siegel, Herbert; Kampe, Klaus-Dieter; Alpermann, Hans G.; Ge hards, Hermann J.; Usinger, Patricia; Schacht, Ulrich; Leve Margret; Raether, Wolfgang; Dittmar, Walter; and Sach Burkhard, 4,876,354, Cl. 548-341.000.
Alpern, Marvin: *See—*
Roshdy, Constance E.; Cerwin, Robert J.; and Alpern, Marv 4,884,681, Cl. 206-63.300.
Roshdy, Constance E.; Cerwin, Robert J.; and Alpern, Marv 4,887,710, Cl. 206-63.300.
Alperovich, Boris I.; Paramonova, Ljutsia; Tjulkov, Gennady; So viev, Valery I.; and Paramonov, Alexandr I. Cryogenic-and-ul sonic scalpel. 4,823,790, 4-25-89, Cl. 128-303.100.
Alperovich, Boris I.: *See—*
Tjulkov, Gennady I.; Alperovich, Boris I.; Paramonova, Lj M.; Soloviev, Valery I.; and Paramonov, Alexandr I., 4,832,0 Cl. 128-303.100.
Alperson, Joel H. Height-extender adapter for retailing display bra ets. 4,860 984, 8-29-89, Cl. 248-225.200.
Alpert, Barnett S. Anchor device. 4,834,015, 5-30-89, Cl. 114-294.00
Alpert, Donald B.: *See—*
Levy, Simon J.; and Alpert, Donald B., 4,802,085, Cl. 364-200.00
Alpert, Martin D.; and Snow, James W., to Focal Marine Limi Fibre optic sensor for liquid level and other parameters. 4,870,2 9-26-89, Cl. 250-577.000.
Alpha Dynamics Corporation: *See—*
Rusu, Robert T.; O'Connor, David; Cadwallader, Walter; Champlain, Michael; and Ottho, Ulf, 4,824,099, Cl. 272-33.00
Alpha Enterprises, Inc.: *See—*
Hehn, Bruce A.; and Weisburn, James T., 4,834,238, 206-387.000.

Hehn, Bruce A.; Weisburn, James T.; Lewellen, Richard R.; and Geis, Mark W., 4,871,064, Cl. 206-387.000.
Hehn, Bruce A.; and Moock, Andrew W., 4,871,065, Cl. 206-387.000.
Hehn, Bruce A.; and Sankey, James K., 4,889,244, Cl. 211-41.000.
Alpha Grillo-Lotsysteme GmbH: *See—*
Froebel, Gerd; and Stang, Hans W., 4,838,478, Cl. 228-223.000.
Alpha Images, Ltd.: *See—*
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Alpha Industries, Inc.: *See—*
Borzym, John J., 4,796,498, Cl. 83-49.000.
Huntt, Robert L., 4,833,302, Cl. 219-388.000.
Alpha, James W.; Schermerhorn, Paul M.; and Teter, Michael P., to Corning Glass Works. Encapsulating compositions containing ultrapure, fused-silica fillers. 4,816,299, 3-28-89, Cl. 427-221.000.
Alpha-M, Inc.: *See—*
Anderson, Robert K.; Foster, Ruth E.; and Carlson, Bertyl W., 4,828,210, Cl. 248-229.000.
Alpha Mail System: *See—*
Ryan, Patrick J., 4,889,397, Cl. 312-320.000.
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Alpha-1 Biomedicals, Inc.: *See—*
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Flasck, Richard A.; Irwin, Benny; and Holmberg, Scott H., 4,842,378, Cl. 350-345.000.
Holmberg, Scott H.; and Flasck, Richard A., 4,820,222, Cl. 445-3.000.
Alphonse, Gerard A.; Hawrylo, Frank Z.; and Harvey, Maria, to General Electric Company. Super-luminescent diode. 4,821,276, 4-11-89, Cl. 372-45.000.
Alphonse, Gerard A.; and Gilbert, Dean B., to General Electric Company. Super-luminescent diode. 4,821,277, 4-11-89, Cl. 372-45.000.
Alpina Int'l Sport + Optik-Vertriebs-GmbH: *See—*
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Alpine Aktiengesellschaft: *See—*
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Nied, Roland; and Hackl, Herbert, 4,804,146, Cl. 241-5.000.
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Namekawa, Makoto, 4,821,309, Cl. 379-58.000.
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Otsuki, Akira, 4,805,044, Cl. 360-105.000.
Alpine Engineered Products, Inc.: *See—*
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Alps, Brian J.: *See—*
Pascal, Jean C.; Lee, Chi-Ho; Alps, Brian J.; Pinhas, Henri; and Whiting, Roger L., 4,829,065, Cl. 514-255.000.
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Abe, Hiraku; Takahashi, Yoshihiro; and Shimojima, Yoji, 4,806,751, Cl. 250-231.0SE.
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Aratsu, Shuichi, 4,861,174, Cl. 400-18.000.
Asano, Isao; Saito, Shoichiro; Kaneko, Tooru; Kowaguchi, Toru; Mitsuishi, Tetsuya; and Yoshida, Hiroshi, 4,819,095, Cl. 360-77.040.
Asano, Isao, 4,819,100, Cl. 360-97.010.
Baba, Toshiki, 4,882,550, Cl. 331-49.000.
Fujio, Katsunori; and Ishibashi, Setsuo, 4,851,315, Cl. 430-79.000.
Furukawa, Masatoshi; Kumagai, Masao; Sugawara, Tadami; Sasaki, Hatsuo; Hishi, Yuichi; and Takahashi, Atsushi, 4,835,642, Cl. 360-105.000.
Fuse, Masashi, 4,820,013, Cl. 350-96.270.
Fuse, Masashi, 4,845,519, Cl. 346-153.100.
Goto, Atsushi, 4,801,223, Cl. 400-145.100.
Haitani, Munehisa, 4,797,757, Cl. 360-77.080.
Hasegawa, Kazuo; and Miyahara, Yoshinori, 4,804,242, Cl. 350-96.200.
Hasegawa, Kazuo; and Miyahara, Yoshinori, 4,804,244, Cl. 350-96.200.
Hasegawa, Kazuo; Ohuchi, Junichi; and Sasaki, Hiroaki, 4,812,642, Cl. 250-221.000.
Hasegawa, Kazuo, 4,818,860, Cl. 250-227.000.
Hasegawa, Kazuo, 4,837,430, Cl. 250-221.000.
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Hasegawa, Kazuo; Ouchi, Junichi; Sasaki, Hiroaki; Nakase, Koji; and Sasaki, Makoto, 4,859,840, Cl. 235-463.000.
Hasegawa, Kazuo, 4,870,262, Cl. 235-462.000.
Hatakeyama, Osamu, 4,856,921, Cl. 400-144.200.
Hayashi, Mitsunobu, 4,806,511, Cl. 501-135.000.
Henmi, Shoichi, 4,835,511, Cl. 338-174.000.
Hinotani, Hiroaki, 4,878,214, Cl. 369-256.000.
Hobara, Hidetoshi, 4,825,017, Cl. 178-18.000.
Hori, Fumihisa, 4,804,282, Cl. 400-163.100.
Hori, Fumihisa, 4,810,115, Cl. 400-163.100.
Hori, Fumihisa, 4,815,873, Cl. 400-154.400.
Hosogoe, Junichi, 4,806,917, Cl. 340-710.000.
Hosono, Kunio, 4,830,526, Cl. 400-490.000.
Ichihara, Akira, 4,845,412, Cl. 388-832.000.
Ida, Yuichi; and Hosogoe, Junichi, 4,797,665, Cl. 340-710.000.
Ida, Yuichi; Yamaguchi, Kiichi; and Kato, Hironori, 4,849,586, Cl. 200-61.540.
Ide, Jun; Iizumi, Tomoo; Takahashi, Yoshitaka; Yoshida, Hiroshi; Kaneko, Tooru; and Hishi, Yuichi, 4,839,753, Cl. 360-48.000.
Ide, Jun; and Iizumi, Tomoo, 4,876,618, Cl. 360-78.130.
Ide, Jun, 4,884,152, Cl. 360-78.140.
Igarashi, Sadao; and Ueno, Moriaki, 4,799,033, Cl. 333-134.000.
Iizumi, Tomoo; and Kaneko, Tooru, 4,847,704, Cl. 360-48.000.
Ishima, Tsutomu; and Sasaki, Kinihiko, 4,872,842, Cl. 439-15.000.
Ito, Eiji, 4,806,837, Cl. 318-653.000
Ito, Takeo, 4,833,276, Cl. 174-35.00R.
Iwai, Masato; Morishita, Ichiro; and Nakayama, Masaru, 4,820,029, Cl. 350-432.000.
Iwasaki, Yukio, 4,846,013, Cl. 74-531.000.
Iwata, Tetsuya; and Saito, Tatsuya, 4,819,112, Cl. 360-126.000.
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Kakizaki, Eiichi; and Emura, Izumi, 4,796,119, Cl. 360-96.500.
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Kamada, Soetsu; and Shimoyama, Yujiro, 4,843,192, Cl. 200-50.00C.
Kamada, Soetsu, 4,871,885, Cl. 200-5.00R.
Kamijyo, Yoshir[illegible], 4,865,832, Cl. 423-606.000.
Kano, Mitsuru; and Nakanowatari, Jun, 4,801,756, Cl. 568-642.000.
Kano, Mitsuru; and Nakanowatari, Jun, 4,814,476, Cl. 558-416.000.
Kano, Mitsuru, 4,824,597, Cl. 252-299.610.
Kano, Mitsuru, 4,826,979, Cl. 544-224.000.
Kano, Mitsuru, 4,835,274, Cl. 544-239.000.
Kano, Mitsuru, 4,851,529, Cl. 544-335.000.
Kato, Hironori, 4,844,359, Cl. 242-54.00R.
Kato, Masakazu, 4,825,040, Cl. 219-216.000.
Kato, Masakazu, 4,845,339, Cl. 219-216.000.
Kato, Masakazu, 4,862,195, Cl. 346-76.0PH.
Kawata, Sadao, 4,801,881, Cl. 324-208.000.
Kawata, Sadao, 4,860,432, Cl. 29-602.100.
Kikuchi, Kazuo, 4,847,484, Cl. 250-221.000.
Kimura, Kiyoshi, 4,818,826, Cl. 178-19.000.
Kimura, Kiyoshi, 4,818,851, Cl. 235-472.000.
Kimura, Kiyoshi, 4,831,459, Cl. 358-293.000.
Kobayashi, Masato, 4,803,030, Cl. 264-278.000.
Komatsu, Norimasa, 4,847,714, Cl. 360-109.000.
Komatsu, Norimasa, 4,862,301, Cl. 360-92.000.
Kondo, Shiro, 4,838,803, Cl. 439-164.000.
Kowaguchi, Toru; Kaneko, Tooru; Ide, Jun; and Iizumi, Tomoo, 4,860,131, Cl. 360-78.140.
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Kumagai, Takeshi, 4,845,578, Cl. 360-97.010.
Kuratani, Junichi, 4,887,006, Cl. 315-209.00R.
Kuriyama, Toshihiro, 4,796,133, Cl. 360-119.000.
Kyohya, Shoichi, 4,807,219, Cl. 369-220.000.
Matsumoto, Yukio, 4,825,429, Cl. 369-75.200.
Mizuta, Ken, 4,808,894, Cl. 318-266.000.
Nagaoka, Shuichi, 4,845,467, Cl. 341-24.000.
Nakanowatari, Jun; Okabe, Kazuya; and Matsuda, Hideyuki, 4,810,061, Cl. 350-334.000.
Nakanowatari, Jun, 4,820,025, Cl. 350-334.000.
Nakanowatari, Jun, 4,842,377, Cl. 350-344.000.
Nakase, Kouji; and Hasegawa, Kazuo, 4,870,367, Cl. 328-168.000.
Nakashima, Keishi; and Ishibashi, Naohiro, 4,807,076, Cl. 360-126.000.
Nakashima, Keishi; Iwata, Tetsuya; Tanaka, Yasuo; and Hashidate, Toshiaki, 4,811,142, Cl. 360-103.000.
Nasu, Masahiro; and Abe, Kiyoto, 4,805,047, Cl. 360-65.000.
Nasu, Masahiro; and Abe, Kiyoto, 4,882,639, Cl. 360-65.000.
Niinuma, Akira; and Nagai, Hidenori, 4,827,087, Cl. 200-5.00E.
Noguchi, Ichiro; and Koyama, Shoichi, 4,809,112, Cl. 360-125.000.
Noguchi, Ichiro; Kobayashi, Kazuo; Sawada, Toru; Okita, Masao; Takayama, Yasunari; and Kozumi, Kazuo, 4,831,479, Cl. 360-105.000.
Nozaki, Masahiro, 4,825,231, Cl. 346-140.00R.
Numata, Hidetaka, 4,845,584, Cl. 361-57.000.
Obata, Kosei, 4,807,091, Cl. 362-30.000.
Ohkita, Masao; Kobayashi, Kazuo; Gunji, Kunihiko; Sugawara, Tadami; Shigenai, Osamu; and Fuke, Takamichi, 4,796,118, Cl. 360-105.000.
Ohkita, Masao; and Ohmori, Shinichi, 4,803,576, Cl. 360-99.080.
Ohkita, Masao; and Omori, Shinichi, 4,851,941, Cl. 360-97.010.
Ohouchi, Junichi; Sasaki, Hiroaki; and Hasegawa, Kazuo, 4,801,797, Cl. 250-221.000.
Ohuchi, Junichi; Hasegawa, Kazuo; and Sasaki, Hiroaki, 4,806,749, Cl. 250-221.000.
Okabe, Kazuya; Kasama, Yasuhiko; Seki, Hitoshi; and Iwasaki, Chisato, 4,839,510, Cl. 250-211.00J.
Okabe, Kazuya; Matsuda, Hideyuki; Iwasaki, Chisato; and Fujimoto, Satoshi, 4,853,755, Cl. 357-23.700.
Okita, Masao, 4,855,852, Cl. 360-104.000.
Onozato, Takashi, 4,845,516, Cl. 346-139.00R.
Ouchi, Junichi, 4,841,141, Cl. 250-221.000.

Ouchi, Junichi; Sasaki, Hiroaki; and Hasagawa, Kazuo, 4,845,346, Cl. 250-221.000.
Sakai, Tsuneo, 4,833,715, Cl. 381-17.000.
Sasaki, Hiroaki; Hasegawa, Kazuo; Fukukawa, Noboru; and Yata, Masanori, 4,797,769, Cl. 360-99.080.
Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, 4,825,209, Cl. 340-825.720.
Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, 4,868,550, Cl. 340-712.000.
Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, 4,824,396, Cl. 439-475.000.
Sato, Hiroyuki; and Shimoyama, Yujiro, 4,843,195, Cl. 200-302.300.
Sato, Kazuo, 4,835,531, Cl. 340-825.690.
Sato, Kazuo, 4,857,917, Cl. 340-825.570.
Shiraishi, Yukiya, 4,807,068, Cl. 360-99.060.
Soma, Masahiro; and Tanaka, Shinya, 4,881,065, Cl. 340-710.000.
Sutoh, Hiroki; and Sawada, Kenji, 4,803,317, Cl. 200-438.000.
Suzuki, Motoyuki; and Kikuchi, Kazuo, 4,800,444, Cl. 358-294.000.
Takeda, Kuninobu, 4,835,638, Cl. 360-99.020.
Tanabe, Yoshio, 4,814,558, Cl. 200-440.000.
Taniguchi, Yuji; and Banju, Masaru, 4,876,481, Cl. 313-502.000.
Teshirogi, Toshiyuki, 4,883,343, Cl. 350-338.000.
Tobita, Katsumi, 4,855,835, Cl. 358-195.100.
Tomisawa, Takehiko, 4,839,551, Cl. 310-90.000.
Tomizawa, Youzi; and Mizutani, Masashi, 4,841,394, Cl. 360-99.060.
Tomofuji, Makoto; and Yamanashi, Fumiaki, 4,842,373, Cl. 350-336.000.
Tomoyori, Makoto; and Murata, Shinji, 4,805,982, Cl. 350-96.240.
Tomoyori, Makoto; and Murata, Shinji, 4,805,983, Cl. 350-96.240.
Tomoyori, Makoto; and Hatanaka, Sunao, 4,806,969, Cl. 355-3.0FU.
Tomoyori, Makoto; and Hatanaka, Sunao, 4,806,972, Cl. 355-4.000.
Torigoe, Tsunemitsu, 4,805,995, Cl. 350-339.00R.
Toyoshima, Fumitoshi, 4,831,481, Cl. 360-118.000.
Uchino, Kenji; and Ohnishi, Kazumasa, 4,857,791, Cl. 310-321.000.
Uchino, Kenji; and Ohnishi, Kazumasa, 4,883,248, Cl. 248-550.000.
Ueno, Masahito, 4,852,011, Cl. 364-431.070.
Yagi, Shigeaki; and Furusawa, Hirofumi, 4,813,782, Cl. 356-357.000.
Yamashita, Akihiko, 4,879,620, Cl. 360-123.000.
Yanai, Shinji; and Shimoyama, Yujiro, 4,861,950, Cl. 200-5.00R.
Yasumi, Yoshiyuki, 4,884,907, Cl. 400-216.100.
Yoritomo, Makoto; Fuse, Masashi; and Murata, Shinji, 4,827,290, Cl. 346-107.00R.
Yunokuchi, Ryu; Omori, Shinichi; and Ohkita, Masao, 4,875,276, Cl. 29-603.000.

Alps Electric (U.S.A.), Inc.: *See—*
Mullins, Barry, 4,849,852, Cl. 361-288.000.

Alscher, Arnold: *See—*
Beneke, Herbert; Alscher, Arnold; Oberkobusch, Rudolf; Peter, Siegfried; and Jaumann, Wolfgang, 4,871,443, Cl. 208-39.000.

Alschweig, Hans-Gunther: *See—*
Ullrich, Lothar; Jung, Gunter; Burger, Diethard; Alschweig, Hans-Gunther; Schonborn, Hartmut; and Heinzel, Winfried, 4,862,609, Cl. 38-93.000.

Alsenz, Evert C.: *See—*
Amason, Myron P.; Schroeder, John E.; and Alsenz, Evert C., 4,796,153, Cl. 361-218.000.

Alsenz, Richard H. Temperature responsive compressor pressure control apparatus and method. 4,825,662, 5-2-89, Cl. 62-117.000.

Alsenz, Richard H. Method and apparatus for controlling capacity of multiple compressors refrigeration system. 4,831,832, 5-23-89, Cl. 62-117.000.

Alshooler, Norman R., to Merchandising Workshop, Inc. Article for display of information. 4,829,689, 5-16-89, Cl. 40-617.000.

Alsip, Allen W.; Robinson, James N.; and Bossert, Clayton E., to Ring, Thomas J. Therapeutic table. 4,852,193, 8-1-89, Cl. 5-61.000.

Alsip, Allen W.; Bossert, Clayton E.; and LaVelle, Richard E., to Ring, Thomas J. Therapeutic table. 4,856,128, 8-15-89, Cl. 5-61.000.

Alsip, Bruce F., to Alsip & Company. Three dimensional game. 4,875,687, 10-24-89, Cl. 273-241.000.

Alsip & Company: *See—*
Alsip, Bruce F., 4,875,687, Cl. 273-241.000.

Alskog, Bjorn. Bearing arrangement for rods and axles in plastic toys. 4,861,311, 8-29-89, Cl. 446-469.000.

Alsobrooks, Daniel E.; Bart, Hansueli; Chauvin, Richard; Horn, Thomas A.; Merte, John H.; Mesenich, Gerhard; and Mitts, Donna M., to Colt Industries, Inc. Electromagnet, valve assembly and fuel metering apparatus. 4,840,163, 6-20-89, Cl. 123-533.000.

Alspector, Benjamin, to Assaf Pharmaceutical Industries Ltd. Separation of materials from a liquid dispersion by sedimentation. 4,824,560, 4-25-89, Cl. 209-208.000.

Alspector, Joshua, to Bell Communications Research, Inc. Neuromorphic learning networks. 4,874,963, 10-17-89, Cl. 307-201.000.

Alsterhall, Lars, to Swanboard Masonite AB. Method for manufacturing a board- or sheet-shaped material with a high proportion of glass or mineral wool fibres. 4,872,952, 10-10-89, Cl. 162-152.000.

Alstetter, Franz; and Hultsch, Guenther, to Krauss-Maffei A.G. Process for accelerating the transfer of media in a fluidized bed. 4,801,336, 1-31-89, Cl. 134-32.000.

Alsthom: *See—*
Bost, Edouard, 4,845,395, Cl. 310-233.000.
Bourcier, Pierre; and Riollet, Gilbert, 4,840,539, Cl. 416-191.000.
Brunet, Yves; and Tixador, Pascal, 4,808,864, Cl. 310-52.000.
Carmes, Francis, 4,842,225, Cl. 246-439.000.
Combes, Gilles; and Delage, Germain, 4,797,027, Cl. 405-92.000.
Coulon, Andre, 4,795,313, Cl. 416-224.000.
Coulon, Andre, 4,832,993, Cl. 427-53.100.
Coulon, Andre; and Bech, Ulrich, 4,839,237, Cl. 428-610.000.
Dumas, Jean-Claude; Thoraval, Maurice; and Genuit, Gerard, 4,840,221, Cl. 165-41.000.
Dupraz, Jean-Pierre, 4,797,607, Cl. 324-96.000.
Dupraz, Jean-Pierre, 4,848,910, Cl. 356-350.000.
Laumond, Yves, 4,816,708, Cl. 310-52.000.
Lemoine, Francois; and Rathouit, Rene, 4,854,777, Cl. 405-202.00
Nove, Marie C.; and Kouyoumdjian, Michel, 4,834,168, C 164-504.000.
Perret, Rene; and Rouget de Gourcez, Etienne, 4,817,757, C 181-288.000.
Thuries, Edmond; Perret, Michel; and Masson, Jean-Pa 4,841,788, Cl. 74-2.000.

Alsthom-Atlantique: *See—*
Bessay, Raymond, 4,832,567, Cl. 415-181.000.
Obrecht, Georges, 4,830,520, Cl. 384-477.000.
Sparks, Charles, 4,886,398, Cl. 405-224.000.

Alston, Robert B.: *See—*
Bou-Mikael, Sami; Alston, Robert B.; and Hoyt, Donald L 4,819,724, Cl. 166-263.000.

Alston, William B.; and Gratz, Roy F., to United States of Ameri National Aeronautics and Space Administration. Condensation poly mides containing 1,1,1-triaryl-2,2,2-trifluoroethane structur 4,845,167, 7-4-89, Cl. 528-353.000.

Alston, William B.; and Gratz, Roy F., to United States of Ameri National Aeronautics and Space Administration. Substituted 1,1, triaryl-2,2,2-trifluoroethanes and processes for their synthes 4,885,116, 12-5-89, Cl. 562-413.000.

Alsup, Richard E. Taco shell holder. 4,872,566, 10-10-89, C 211-1 .000.

Alt, Claus-Christian; Gobel, Rudolf; Koch, Heinz; Niechoj, Wolfga Grossmann, Theodor; and Deffner, Felix, to Daimler-Benz Akti gesellschaft. Fold bellows for rotating vehicle drive joint. 4,877,2 10-31-89, Cl. 277-212.0FB.

Alt, Eckhard, to Intermedics, Inc. Implantable position and moti sensor. 4,846,195, 7-11-89, Cl. 128-782.000.

Alt, Eckhard. Self adjusting rate responsive cardiac pacemaker a method. 4,884,576, 12-5-89, Cl. 128-419.0PG.

Alt, Eckhard U.: *See—*
Calfee, Richard V.; Adkins, Robert A.; Alt, Eckhard U.; and Bai Ross G., Jr., 4,803,987, Cl. 128-419.0PG.

Alt, Gerhard H.; and Hakes, Harrison R., to Monsanto Compa 2-(dichloroacetyl)-3-substituted-1,2,3,4-tetrahydroisoquinolines herbicide antidotes. 4,846,880, 7-11-89, Cl. 71-94.000.

Alt, Paul M., to International Business Machines Corporation. TF array for liquid crystal displays allowing in-process testing. 4,819, 4-4-89, Cl. 357-4.000.

Alt, Paul M.: *See—*
Howard, Webster E.; and Alt, Paul M., 4,845,482, Cl. 340-805.0

Alta Diagnostic Machines Limited: *See—*
Bradwell, Arthur R.; and Deverill, Ian, 4,889,815, Cl. 436-517.0

Altair International, Inc.: *See—*
Sian, Sucha S.; Marcus, Paul H.; and Adler, Felix P., 4,826,452, C 439-595.000.

Altalanos Szolgaltato es Epitoipari Kisszovetkezet: *See—*
Lam, Bela; Kalman, Laszlo; Nagy, Gabor; and Marso, Sand 4,865,730, Cl. 210-222.000.

Altamore, Nicolo, to Wahl Clipper Corporation. Hair curling iron providing three-dimensional Z-shaped curls. 4,866,248, 9-12-89, C 219-225.000.

Altamore, Peter C.: *See—*
Furst, Gene A.; Allen, Dennis E.; and Altamore, Peter C 4,828,842, Cl. 424-480.000.

Altamura, Maria: *See—*
Agnes, Giovanni; and Altamura, Maria, 4,795,595, Cl. 260-508.0

Altank Industries Ltd.: *See—*
Reid, Roy C., 4,813,695, Cl. 280-104.000.

Altemark, Detlef; and Hess, Robert, to Ruhrgas Aktiengesellsch Method and apparatus of operating pre-mixed burners. 4,859, 8-22-89, Cl. 431-12.000.

Alten Corporation, The: *See—*
Lahde, Frank U., 4,796,470, Cl. 73-294.000.

Alten, Kurt. Bridging device for docks. 4,800,604, 1-31-89, C 14-71.300.

Alten, Kurt. Deformable sealing arrangement for the gap between edge of an opening in a building and the back end of a vehicle th driven up to the opening. 4,825,606, 5-2-89, Cl. 52-173.0DS.

Alten, Kurt. Transfer bridge for a dock. 4,835,806, 6-6-89, Cl. 14-71.

Alten, Kurt. Transfer bridge for docks. 4,862,547, 9-5-89, Cl. 14-71.

Alten, Michael N. Reconstructive orthopedic devices for cadav 4,852,554, 8-1-89, Cl. 128-68.000.

Alten, Ralph W.; and Fleming, Alvin R., to Siegel-Robert, Inc. Se automatic rear view mirror assembly. 4,828,361, 5-9-89, 350-279.000.

Altena, Andries G.: *See—*
Shutt, Eric; Altena, Andries G.; and Jenkins, John W., 4,873, Cl. 585-500.000.

Altendorf, Hans-Walter, to Siemens Aktiengesellschaft. Dental eq ment having means for delivering RF and LF energy to a de handpiece. 4,840,563, 6-20-89, Cl. 433-29.000.

Altendorf, Hans-Walter, to Siemens Aktiengesellschaft. Circuit for controlling the speed of a subfractional horsepower DC motor. 4,866,356, 9-12-89, Cl. 388-811.000.

Altenkirchener Kunststoff GmbH: *See—*
Schwarz, Gunter; and Neuhaus, Ulrich, 4,869,471, Cl. 267-33.000.

Altenschoepfer, Theodor; Jeschke, Peter, and Wisotzki, Klaus-Dieter, to Henkel Kommanditgesellschaft auf Aktien. Pretreatment or steeping preparations for stubbornly soiled dishes and a process for washing such dishes. 4,818,427, 4-4-89, Cl. 252-174.210.

Altenschoepfer, Theodor: *See—*
Jeschke, Peter; Altenschoepfer, Theodor; and Jacobs, Jochen, 4,828,745, Cl. 252-99.000.
Kruse, Hans; Jacobs, Jochen; Altenschoepfer, Theodor; and Jeschke, Peter, 4,828,749, Cl. 252-135.000.
Kruse, Hans; Jacobs, Jochen; Altenschoepfer, Theodor; and Jeschke, Peter, 4,839,078, Cl. 252-99.000.

Altenschopfer, Theodor; Schumann, Klaus; and Christophliemk, Peter, to Henkel Kommanditgesellschaft auf Aktien. Dishwasher detergent paste. 4,801,396, 1-31-89, Cl. 252-99.000.

Altenschulte, Raymond A.; and Grabow, Glen M., to RCA Licensing Corporation. Printed circuit board with mounted terminal. 4,812,130, 3-14-89, Cl. 439-84.000.

Alter, Allan. Locking adapter for interconnecting a drivable element to a drive tool. 4,824,280, 4-25-89. Cl. 403-322.000.

Alter, Frederick J.: *See—*
Weiss, Ronald D., 4,864,730, Cl. 30-378.000.

Alter, Sheldon. Beverage caddy apparatus. 4,798,361, 1-17-89, Cl. 248-311.200.

Alter, S.A.: *See—*
Sunkel, Carlos; Fay de Casa Juana, Miguel; Dorrego, Fernando; Pando, Basilio; Alvarez-Builla, Julio; Vaquero, Juan J.; Galera, Carlos; and Vazquez, Maria L., 4,880,894, Cl. 548-152.000.

Altera Corporation: *See—*
Norman, Kevin A., 4,831,573, Cl. 364-716.000.
Norman, Kevin A.; So, Hock-Chuen; Veenstra, Kerry S.; and Wong, Sau-Ching, 4,864,161, Cl. 307-272.200.
Wong, Sau-Ching; So, Hock-Chuen; Kopec, Stanley J., Jr.; and Hartmann, Robert F., 4,871,930, Cl. 307-465.000.

Alterman, Marcelo K.; and do Amaral, Luis F., to ICI Americas Inc. Herbicidal compositions of acylated 1,3-dicarbonyl herbicides and phenoxyalkanoic acids, salts, amides and esters therof as antidotes. 4,859,234, 8-22-89, Cl. 71-103.000.

Altermatt, Ernst; and Heim, Peter, to Schweizerische Isola-Werke. Communication or control cable with supporting element. 4,861,947, 8-29-89, Cl. 174-113.00C.

Altermatt, Hans. Vattable 2-aryl-4,6-diaminopyrimidines. 4,845,220, 7-4-89, Cl. 544-294.000.

Alternative Energy Resources, Inc.: *See—*
Haws, Spencer K., 4,798,224, Cl. 137-337.000.

Alternative Pioneering Systems Inc.: *See—*
Erickson, Chad S., 4,817,509, Cl. 99-330.000.

Altero Technologies, Inc.: *See—*
Jensen, Hans C., 4,867,443, Cl. 272-97.000.

Altes, Harald, to ANT Nachrichtentechnik GmbH. Method for reducing the quantity of data in image coding. 4,802,232, 1-31-89, Cl. 382-56.000.

Altes, Stephen K., to General Electric Company. Monolithic microwave phase shifting network. 4,857,777, 8-15-89, Cl. 307-511.000.

Alteweier, Hans-Bernd: *See—*
Alberts, Heinrich; and Alteweier, Hans-Bernd, 4,812,364, Cl. 428-447.000.

Altex Scientific, Inc.: *See—*
Magnussen, Haakon T., Jr., 4,820,129, Cl. 417-18.000.

Altfather, Walter R. Wheel dresser. 4,811,721, 3-14-89, Cl. 125-11.0CD.

Althaus, Hans; Kuhlmann, Werner; and Spaeth, Werner, to Siemens Aktiengesellschaft. Device for positioning and fastening a lightwave guide to a base. 4,888,081, 12-19-89, Cl. 156-359.000.

Althaus, Hans-Ludwig; and Proebster, Walter, to Siemens Aktiengesellschaft. Coupling arrangement for coupling light of a semiconductor laser diode into a multimode glass fiber. 4,865,409, 9-12-89, Cl. 350-96.180.

Althaus, Hans-Ludwig: *See—*
Spaeth, Werner; Waitl, Guenther; Kuhlmann Werner; Althaus, Hans-Ludwig; Birkmann, Rolf; Klos, Waltraud; and Schubert, Axel, 4,875,750, Cl. 350-96.180.
Waitl, Guenther; Geim, Karl; Althaus, Hans-Ludwig; and Klos, Waltraud, 4,810,277, Cl. 65-4.210.

Althen, Wayne W.: *See—*
Davis, James K.; Althen, Wayne W.; Cloutier, Daniel R.; and Schnitzler, Gerry R., 4,887,221, Cl. 364-474.230.

Altherr, Russell G., to AMSTED Industries Incorporated. Rotary railway drawbar coupler. 4,863,045, 9-5-89, Cl. 213-78.000.

Altherr, Russell G.; Glaser, Richard L.; Madura, Francis E.; and Radwill, Robert P., to AMSTED Industries Incorporated. Fifth wheel unlocking and safety latch device. 4,871,182, 10-3-89, Cl. 280-434.000.

Althoff, Karl-Heinz, to O & K Orenstein & Koppel Aktiengesellschaft. Apparatus for transporting loads. 4,840,533, 6-20-89, Cl. 414-495.000.

Althoff, Karl-Heinz; Kunick, Werner; Munstermann, Manfred; Voss, Uwe; and Glanz, Werner, to O & K Orenstein & Koppel Aktiengesellschaft. Apparatus for transporting loads. 4,854,805, 8-8-89, Cl. 414-495.000.

Althouse, Rickie M.; Baer, Richard I.; and Brandt, Ronald L. Connector having drop-in insert conductive with shell. 4,889,502, 12-26-89, Cl. 439-607.000.

Altieri, John A., and Altieri, Joseph W., Jr. Dockplate. 4,864,672, 9-12-89, Cl. 14-69.500.

Altieri, Joseph W., Jr.: *See—*
Altieri, John A.; and Altieri, Joseph W., Jr., 4,864,672, Cl. 14-69.500.

Altieri, Paul A.: *See—*
Lacourse, Norman L.; and Altieri, Paul A., 4,863,655, Cl. 264-53.000.

Alting, Cornelis L.: *See—*
Haisma, Jan; Adema, Cornelis L.; Alting, Cornelis L.; and Brehm, Rudolf, 4,810,318, Cl. 156-153.000.

Altizer, A. Clark: *See—*
Schultz, Roy D.; England, Thomas R.; and Altizer, A. Clark, 4,868,970, Cl. 29-596.000.

Altizer, Wayne D. Modular building panel. 4,813,193, 3-21-89, Cl. 52-210.000.

Altland, David J.; and Wyczalkowski, Wojciech R., to HMW Enterprises, Inc. Explosion-protected computer terminal. 4,847,602, 7-11-89, Cl. 340-700.000.

Altman, Carl E.; and Rao, Mucherla K. K., to Allied-Signal Inc. Polyamide compositions having nitrile rubber and copolymer of ethylene and alpha-olefin therein. 4,803,247, 2-7-89, Cl. 525-179.000.

Altman, Carroll C.: *See—*
Nelson, Robert A.; and Altman, Carroll C., 4,796,792, Cl. 225-72.000.

Altman, Denis J., to Westinghouse Electric Corp. Integrated head package for a nuclear reactor. 4,830,814, 5-16-89, Cl. 376-287.000.

Altman, Joseph C.: *See—*
Salaita, George N.; Quarles, Carol A.; Altman, Joseph C.; and Lehtihet, Hbbulhalin E., 4,853,537, Cl. 250-253.000.

Altman, Lawrence J.; Choi, Byung C.; and Karsner, Grant C., to Mobil Oil Corporation. Method for control of visbreaker severity. 4,880,748, 11-14-89, Cl. 436-60.000.

Altman, Leonard F.; Moore, Kevin D.; and Shurboff, John D., to Motorola, Inc. Integrated circuit having polyimide/metal passivation layer and method of manufacture using metal lift-off. 4,827,326, 5-2-89, Cl. 357-67.000.

Altman, Michael P., to United Technologies Corporation. CO_2 tea laser having isolated preionization compartments. 4,847,853, 7-11-89, Cl. 372-86.000.

Altman, Michael P., to United Technologies Corporation. Modular UV preionization package for a CO_2 laser. 4,882,735, 11-21-89, Cl. 372-86.000.

Altman, Murray. Self-cleaning bathtub. 4,868,934, 9-26-89, Cl. 4-546.000.

Altman, Peter W., to Light and Sound Specialties, Inc. Moisture resistant lighting tube. 4,851,972, 7-25-89, Cl. 362-267.000.

Altman, Ralph F.; Gooch, John P.; Dismukes, Edward B.; and Landham, Edward C., Jr., to Electric Power Research Institute, Inc. Method for flue gas conditioning with the decomposition products of ammonium sulfate or ammonium bisulfate. 4,872,887, 10-10-89, Cl. 55-5.000.

Altman Robbins, Clara J.; and Krasnick, Steven J. Temporary photo stand. 4,825,572, 5-2-89, Cl. 40-152.100.

Altman Stage Lighting Co.: *See—*
Solomon, Dennis, 4,811,182, Cl. 362-293.000.

Altmann, Dieter; and Haupt, Eberhard, to I.G. Bauerhin GmbH Elektro-Technische Fabrik. Apparatus for the manufacture of a flexible heating appliance. 4,817,271, 4-4-89, Cl. 29-729.000.

Altmann, Horst-Dieter; and Haupt, Eberhard, to I.G. Bauerhin GmbH Elektro-Technische Fabrik. Seat heater for integrated assembly into car seats. 4,825,048, 4-25-89, Cl. 219-528.000.

Altmann, Konrad, to Messerschmitt-Bolkow-Blohm GmbH. Arrangement for determining the position of a modulated laser beam in a scattering medium. 4,847,481, 7-11-89, Cl. 250-203.00R.

Altmann, Peter B. Vehicle interior cargo area liner. 4,877,281, 10-31-89, Cl. 296-39.100.

Altner, David J. Weightlifter's belt. 4,802,667, 2-7-89, Cl. 272-123.000.

Alto Automotive, Inc.: *See—*
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Alto Garage Door: *See—*
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Alto Technology: *See—*
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Altobellis, Richard M.: *See—*
Howson, David C.; Fellinger, Michael W.; Popken, John A.; and Altobellis, Richard M., 4,846,797, Cl. 604-154.000.

Altometer, Produktiebedrijf Van Rheometron A.G.: *See—*
Herremans, Pieter; Hoogendijk, Christiaan J.; Boer, Adriaan H.; and Van Bekkum, Aart J., 4,838,127, Cl. 73-861.280.

Altoz, Frank E., to Westinghouse Electric Corp. Flexible diaphragm cooling device for microwave antennas. 4,851,856, 7-25-89, Cl. 343-720.000.

Altschuler, Martin D.; and Whittington, Richard, to University of Pennsylvania. Interactive statistical system and method for predicting expert decisions. 4,872,122, 10-3-89, Cl. 364-554.000.

Altshuler, John H.: *See—*
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Altus Corporation: *See—*
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Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Sylvester, Lenard F., 4,863,815, Cl. 429-94.000.
Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Silvester, Lenard F., 4,873,158, Cl. 424-61.000.

- Altus, Mark; and Roth, David W., to 2500 Corporation, The. Floor mat and method of attaching retainer thereto. 4,829,627, 5-16-89, Cl. 16-4.000.
- Altus Technology Corporation: *See—*
  - Smith, Leonard S.; and Cook, Gary L., 4,881,873, Cl. 417-12.000.
- Aluma-Form, Inc.: *See—*
  - Farmer, Marion R., 4,795,856, Cl. 174-40.00R.
- Aluma Systems Incorporated: *See—*
  - Johnston, Ronald J., 4,841,708, Cl. 52-646.000.
- Alumax, Inc.: *See—*
  - Waters, Herman H.; and White, John, 4,802,553, Cl. 182-222.000.
- Alumina Espanola S.A.: *See—*
  - Alvarado Cendan, Jose M.; and Campa Campa, Flor, 4,797,270, Cl. 423-625.000.
- Alumina S.p.A.: *See—*
  - Piras, Leonardo; and Lazzaro, Giuseppe, 4,844,425, Cl. 266-215.000.
- Aluminium AG Menziken: *See—*
  - Baumann, Hannes, 4,829,802, Cl. 72-272.000.
- Aluminium Pechiney: *See—*
  - Basquin, Jean-Luc; and Sulmont, Benoit, 4,867,851, Cl. 204-67.000.
  - Bertaud, Yves, 4,828,658, Cl. 204-71.000.
  - Chantriaux, Eric; and Grobelny, Henri, 4,818,499, Cl. 422-227.000.
  - Chantriaux, Eric; and Grobelny, Henri, 4,865,825, Cl. 423-127.000.
  - Conti, Calogero; Meyer, Jean-Luc; Netter, Pierre; and Riquet, Jean-Pierre, 4,837,385, Cl. 210-695.000.
  - Dreyer, Christian; Thomas, Jean-Claude; and Vanvoren, Claude, 4,859,175, Cl. 432-4.000.
  - Hudault, Gerard; and Netter, Pierre, 4,802,656, Cl. 266-225.000.
  - Lefebvre, Jacques; Gimenez, Philippe; Colombier, Gabriel; Golay, Armand; and Safrany, Jean S., 4,808,276, Cl. 204-28.000.
  - Sulmont, Benoit; and Paternoga, Alain, 4,857,157, Cl. 204-67.000.
- Aluminum Company of America: *See—*
  - Anderson, Daniel A.; Wojnar, Ronald C.; and Warchol, Mark F. A., 4,829,810, Cl. 73-27.00R.
  - Becker, Aaron J.; Graddy, G. Edward, Jr.; Libby, Stephen C.; Carkin, Gerald E.; and van Linden, Jan H. L., 4,830,881, Cl. 427-230.000.
  - Bowman, Kenneth A., 4,849,072, Cl. 204-68.000.
  - Bretz, Philip E.; Sawtell, Ralph R.; and Hunt, Warren H., Jr., 4,797,165, Cl. 148-12.70A.
  - Brown, Melvin H., 4,832,758, Cl. 148-12.70A.
  - Brown, Melvin H.; Staley, James T.; Liu, John; and Lee, Sootae, 4,863,528, Cl. 148-12.70A.
  - Bush, J. Finley, 4,889,695, Cl. 423-132.000.
  - Cho, Chul W., 4,795,502, Cl. 148-2.000.
  - Cho, Chul W.; and Sawtell, Ralph R., 4,806,174, Cl. 148-12.70A.
  - Cho, Chul W., 4,816,087, Cl. 148-2.000.
  - Cho, Chul W.; and Sawtell, Ralph R., 4,844,750, Cl. 148-12.70A.
  - Cochran, C. Norman; and Brown, Melvin H., 4,812,168, Cl. 75-68.00A.
  - Dawless, Robert K., 4,822,585, Cl. 423-348.000.
  - Duke, James D., 4,823,537, Cl. 53-488.000.
  - Fleming, Hubert L.; Edd, Jon F.; Pearson, Alan; Chou, Chin-Liang; Kono, Hisashi O.; and Huang, Ching-Chung, 4,797,271, Cl. 423-625.000.
  - Fleming, Hubert L., 4,808,742, Cl. 558-150.000.
  - Gentry, Rebecca A.; and Martukanitz, Richard P., 4,848,647, Cl. 228-263.170.
  - Grassel, William H.; and Borst, Doak, 4,839,202, Cl. 427-424.000.
  - Horst, Ralph L., 4,865,651, Cl. 148-2.000.
  - Hyland, M. Elise; and Hunt, Warren H., Jr., 4,840,852, Cl. 428-654.000.
  - Ioannou, John T., 4,820,917, Cl. 250-227.000.
  - Jacoby, John E.; Yu, Ho; and Ramser, Robert A., 4,882,831, Cl. 29-527.500.
  - Khosah, Robinson P.; Novak, John W.; Weaver, Douglas G.; Fraser-Milla, Karen R.; and Burr, Richard R., 4,816,159, Cl. 210-635.000.
  - Khosah, Robinson P.; Novak, John W.; Weaver, Douglas G.; Fraser-Milla, Karen R.; and Burr, Richard R., 4,880,543, Cl. 210-635.000.
  - LaBarge, Robert L.; and Ewing, Ronald J., 4,836,705, Cl. 403-282.000.
  - Leftault, Charles J., Jr.; and Willis, W. Coy, 4,836,398, Cl. 220-66.000.
  - Liu, Paul K. T.; Bergstrom, Robin K.; and Gatty, David G., 4,795,735, Cl. 502-415.000.
  - Liu, Paul K. T., 4,835,338, Cl. 585-823.000.
  - Lo, Ying-Cheng, 4,877,393, Cl. 425-383.000.
  - Loutfy, Raouf O.; and Weisbrod, Kirk R., 4,836,998, Cl. 423-460.000.
  - Martukanitz, Richard P., 4,843,211, Cl. 219-137.0WM.
  - Matin, Edward S.; and Wieserman, Larry F., 4,871,711, Cl. 502-415.000.
  - McGraw, William D.; Christian, Kevin G.; Hall, William M.; Miller, Gene S.; Seaman, Christopher M.; and Kozarek, Robert L., 4,814,050, Cl. 204-67.000.
  - Misra, Chanakya, 4,822,592, Cl. 423-627.000.
  - O'Neill, Gary A.; Misra, Chanakya; and Chen, Abraham S. C., 4,867,882, Cl. 210-684.000.
  - Pearson, Alan, 4,835,124, Cl. 501-127.000.
  - Pearson, Alan, 4,847,064, Cl. 423-625.000.
  - Perrotta, Anthony J.; Grubbs, Donald K.; and Martin, Edward S., 4,818,729, Cl. 501-4.000.
  - Peterson, Richard W.; Fisher, Donald C.; and Luffy, John 4,824,543, Cl. 204-280.000.
  - Ponchel, Basil M.; and Walsh, James D., 4,828,631, Cl. 148-417
  - Ray, Siba P., 4,804,642, Cl. 501-87.000.
  - Ray, Siba P., 4,804,646, Cl. 501-105.000.
  - Reich, Ronald A.; and Festa, Ronald P., 4,830,768, Cl. 252-49
  - Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John E., 4,832 Cl. 420-528.000.
  - Rioja, Roberto J.; Colvin, Edward L.; Vasudevan, Asuri K.; Cheney, Brian A., 4,861,391, Cl. 148-12.70A.
  - Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John, 4,869,870 420-532.000.
  - Rooy, Elwin L.; Petrey, Gerald R.; Weaver, James R.; Gray Douglas A.; Richter, Raymond T.; and Reavis, H. Gray, 4,818,300, Cl. 148-2.000.
  - Sanders, Robert E., Jr.; Kaanta, Henry W.; McBride, John Milner, Milton W.; Perigo, Terry A.; and Shelby, Samuel 4,812,183, Cl. 148-439.000.
  - Sawtell, Ralph R.; Bretz, Philip E.; and Jensen, Craig L., 4,874 Cl. 148-437.000.
  - Sood, Ajay; Fleming, Hubert L.; and Novak, John W., 4,824,576, Cl. 210-662.000.
  - Story, James M.; and Sklad, Matthew P., 4,811,582, Cl. 72-16
  - Story, James M., 4,821,546, Cl. 72-60.000.
  - Tarcy, Gary P.; and Mazgaj, Robert M., 4,808,498, Cl. 429-21
  - Tarcy, Gary P., 4,842,964, Cl. 429-52.000.
  - Tomaswick, Kathleen M.; and LaCamera, Alfred F., 4,809,87 220-458.000.
  - Visnic, James E., 4,800,948, Cl. 164-63.000.
  - Weaver, Mark L., 4,882,017, Cl. 204-71.000.
  - Wefers, Karl; and Mozelewski, Frank A., 4,818,302, Cl. 148-11
  - Whitesides, Robert B.; Hovland, Lyle W.; and Crean, Rober 4,819,006, Cl. 343-880.000.
  - Wilhelmy, Richard B., 4,822,593, Cl. 423-629.000.
  - Young, Leland L., 4,842,511, Cl. 432-192.000.
- Aluminum Pechiney: *See—*
  - Morice, Jean; and Perrier, Jean-Jacques, 4,824,480, Cl. 75-60
- Alumor Lasers Ltd.: *See—*
  - Yatsiv, Shaul; Gabay, Amnon; Brestel, Mordechai; and Blass, J deceased, 4,847,852, Cl. 372-82.000.
- Alunic, Emil: *See—*
  - Grunewald, Gerhard; and Alunic, Emil, 4,824,452, Cl. 62-20
  - Grunewald, Gerhard; and Alunic, Emil, 4,830,639, Cl. 55-44
- Aluotto, Patrick F.: *See—*
  - Ashing, Deanna; Hiltenbeitel, Stanley; Moussa, Yousef Aluotto, Patrick F., 4,801,628, Cl. 523-412.000.
- Alupower, Inc.: *See—*
  - Hoge, William H., 4,885,217, Cl. 429-27.000.
- Alusuisse Italia S.p.A.: *See—*
  - Riva, Alfredo; and Cavani, Fabrizio, 4,849,391, Cl. 502-202.0
  - Riva, Alfredo; and Cavani, Fabrizio, 4,870,195, Cl. 549-248.0
- Alvado, Joseph D.: *See—*
  - Temple, Roger C., 4,889,212, Cl. 188-112.00R.
- Alvarado, Alfredo. Dissector device. 4,815,465, 3-28-89, 128-305.000.
- Alvarado Cendan, Jose M.; and Campa Campa, Flor, to Alu Espanola S.A. Method for the obtention of an especial alumina the powder produced in metallurgical alumina calcination. 4,79 1-10-89, Cl. 423-625.000.
- Alvarado, Sergio I.; Crews, Alvin D., Jr.; Wepplo, Peter J.; Dos Robert F., Jr.; Brady, Thomas E.; Gange, David M.; and Lu Desiree L., to American Cyanamid Company. Benzenesulf carboxamide compounds useful as herbicidal agents. 4,88 11-28-89, Cl. 564-91.000.
- Alvarez, Antonio R.; and Kirchgessner, James A., to Motorola Method of fabricating a bipolar semiconductor device with sil contacts. 4,803,175, 2-7-89, Cl. 437-31.000.
- Alvarez, Bernard V. Radon testing package and method. 4,84 7-11-89, Cl. 250-253.000.
- Alvarez-Builla, Julio: *See—*
  - Sunkel, Carlos; Fay de Casa Juana, Miguel; Dorrego, Fern Pando, Basilio; Alvarez-Builla, Julio; Vaquero, Juan J.; Ga Carlos; and Vazquez, Maria L., 4,880,894, Cl. 548-152.000
- Alvarez, Dennis A.: *See—*
  - Bosl, George F.; Kelly, Patrick M.; Alvarez, Dennis A.; Sa Gale; and Hocevar, Joseph A., 4,881,355, Cl. 52-738.000.
  - Kelly, Patrick M.; Howlett, Robert E.; Pomeroy, Paul A.; Alvarez, Dennis A., 4,876,837, Cl. 52-287.000.
- Alvarez, Edwardo: *See—*
  - Ward, Bennett C.; Alvarez, Edwardo; and Blake, Ralph 4,814,530, Cl. 528-342.000.
  - Ward, Bennett C.; Alvarez, Edwardo; and Blake, Ralph 4,861,537, Cl. 264-126.000.
- Alvarez, Isaac. Dual wheel lug nut tool. 4,875,395, 10-24-89, 81-13.000.
- Alvarez, Jose A. Impedance measuring system. 4,820,973, 4-11-89, 324-61.00R.
- Alvarez, Jose T.: *See—*
  - Pineo, Frederick J.; and Alvarez, Jose T., 4,815,928, Cl. 415-17
- Alvarez, Joseph L.; and Watson, Lloyd D., to United States of Ame ica, Energy. Device and technique for in-process sampling and an sis of molten metals and other liquids presenting harsh sam conditions. 4,806,150, 2-21-89, Cl. 75-0.50C.
- Alvarez, Juan M.; Breit, Henry F.; Levy, Steven E.; and Hinge Premkumar R., to Texas Instruments Incorporated. Heat dissip member for mounting a semiconductor device and electrical circuit unit incorporating the member. 4,811,166, 3-7-89, Cl. 361-386.000.
- Alvarez, Manuel M., Jr. Strategy board game. 4,815,745, 3-28-89, Cl. 273-259.000.
- Alvarez, Moises. Towel warmer. 4,849,610, 7-18-89, Cl. 219-521.000.
- Alvarez, Oscar M., to Bioderm, Inc. Three step wound treatment method and dressing therefor. 4,813,942, 3-21-89, Cl. 604-290.000.
- Alvarez, Oscar M., to Bioderm, Inc. Multi-layer wound dressing having oxygen permeable and oxygen impermeable layers. 4,875,473, 10-24-89, Cl. 128-155.000.
- Alvarez, Vernon L.: *See—*
  - Goers, John W. F.; King, Hurley D.; Lee, Chyi; Coughlin, Daniel J.; Alvarez, Vernon L.; Rodwell, John D.; and McKearn, Thomas J., 4,867,973, Cl. 424-85.910.
- Alvemarker, Arne. Blasting bodies adapted for cleaning utensils in dish-washing machines. 4,804,488, 2-14-89, Cl. 252-544.000.
- Alvers, Gary M. Crankcase supercharged 4 stroke, 6 cycle engine. 4,879,974, 11-14-89, Cl. 123-51.00A.
- Alverson, William K.; and Ruller, James A., to Electromagnetic Sciences, Inc. Fast switching reciprocal ferrite phase shifter. 4,884,045, 11-28-89, Cl. 333-158.000.
- Alves, Jose: *See—*
  - Rossi, Albert; Tack, Robert D.; Lewtas, Kenneth; and Alves, Jose, 4,819,074, Cl. 252-56.00D.
- Alves, Roger J., to Scosche Industries, Inc. Portable compact disc player and vehicle audio apparatus with slidable tray for supporting compact disc player. 4,811,314, 3-7-89, Cl. 369-10.000.
- Alves, Roger J.: *See—*
  - Putman, Rob R.; Nimpoeno, Roy; and Alves, Roger J., 4,868,715, Cl. 361-422.000.
- Alvey, Inc.: *See—*
  - Kilper, John J., 4,877,111, Cl. 184-15.100.
- Alving, Carl R.; and Swartz, Glenn M., Jr., to United States of America, Army. Monoclonal antibodies to cholesterol and methods. 4,885,256, 12-5-89, Cl. 436-518.000.
- Alving, Carl R.: *See—*
  - Wassef, Nabila M.; and Alving, Carl R., 4,863,874, Cl. 436-501.000.
- Alvis, John R.; Pfiester, James R.; and Holland, Orin W., to Motorola, Inc. N-channel MOS transistors having source/drain regions with germanium. 4,837,173, 6-6-89, Cl. 437-024.000.
- Alway, Russell E.; and Sylvia, Joel A. Electrical test connector and method for testing the Ford vehicle speed control system. 4,809,541, 3-7-89, Cl. 73-118.100.
- Alwine, Kenneth T., to AMP Incorporated. Shielded electrical connectors. 4,846,731, 7-11-89, Cl. 439-651.000.
- Aly, Fouad A.; and Yeung, Simon Y., to Mobil Oil Corporation. High efficiency radial type vapor distributor for packed towers. 4,810,428, 3-7-89, Cl. 261-96.000.
- Aly, Fouad A.; Graven, Richard G.; and Lewis, David W., to Mobil Oil Corporation. Distribution system for downflow reactors. 4,836,989, 6-6-89, Cl. 422-195.000.
- Aly, Sami: *See—*
  - Arnon, Ephraim; and Aly, Sami, 4,864,590, Cl. 375-14.000.
- Alyakrinskaya, Aida I.: *See—*
  - Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.
- ALZA Corporation: *See—*
  - Ayer, Atul D.; and Hamel, Lawrence G., 4,810,502, Cl. 424-473.000.
  - Ayer, Atul D.; Swanson, David R.; and Kuczynski, Anthony L., 4,816,263, Cl. 424-468.000.
  - Ayer, Atul D.; Theeuwes, Felix; and Wong, Patrick S. L., 4,842,867, Cl. 424-473.000.
  - Ayer, Atul D.; and Wong, Patrick S. L., 4,847,093, Cl. 424-473.000.
  - Campbell, Patricia S.; Enscore, David J.; Gale, Robert M.; and Kaufman, Arnold, 4,832,953, Cl. 424-448.000.
  - Campbell, Patricia S.; Eckenhoff, James B.; and Place, Virgil A., 4,867,982, Cl. 424-449.000.
  - Cheng, Yu-Ling; Gale, Robert M.; Sugihara, Edna; and Sanders, Harold F., 4,865,848, Cl. 424-449.000.
  - Cormier, Michel J. N.; Ledger, Philip W.; Amkraut, Alfred; and Marty, Jean P., 4,835,154, Cl. 424-10.000.
  - Deters, Joseph C.; Wong, Patrick S. L.; Barclay, Brian L.; Theeuwes, Felix; and Swanson, David R., 4,837,111, Cl. 424-473.000.
  - Eckenhoff, James B.; Theeuwes, Felix; and Deters, Joseph C., 4,800,056, Cl. 264-129.000.
  - Eckenhoff, James B.; Theeuwes, Felix; and Deters, Joseph C., 4,814,180, Cl. 424-473.000.
  - Eckenhoff, James B.; Cortese, Richard; and Landrau, Felix A., 4,844,984, Cl. 424-438.000.
  - Eckenhoff, James B.; Magruder, Judy A.; Cortese, Richard; Peery, John R.; and Wright, Jeremy C., 4,855,141, Cl. 424-423.000.
  - Eckenhoff, James B., 4,865,598, Cl. 604-892.100.
  - Eckenhoff, James B.; and Urquhart, John, 4,865,845, Cl. 424-424.000.
  - Eckenhoff, James B., 4,871,544, Cl. 424-438.000.
  - Eckenhoff, James B., 4,883,667, Cl. 424-438.000.
  - Edgren, David E.; Magruder, Judy A.; and Bhatti, Gurdish K., 4,871,548, Cl. 424-488.000.
  - Gale, Robert M., 4,812,313, Cl. 424-448.000.
  - Gale, Robert M., 4,834,979, Cl. 424-448.000.
  - Gale, Robert M., 4,849,226, Cl. 424-448.000.
  - Guittard, George V.; Wong, Patrick S. L.; Theeuwes, Felix; and Cortese, Richard, 4,859,470, Cl. 424-473.000.
  - Hamel, Larry G.; Landrau, Felix A.; Guittard, George V.; and Wong, Patrick S. L., 4,801,461, Cl. 424-467.000.
  - Jordan, Maureen L.; Ayer, Atul D.; Magruder, Paul R.; and Edgren, David E., 4,814,181, Cl. 424-473.000.
  - Lee, Eun S.; and Yum, Su I., 4,837,027, Cl. 424-449.000.
  - Levy, Gerhard; Southam, Mary; and Powers Cramer, Marilou S., 4,822,802, Cl. 514-317.000.
  - Magruder, Paul R.; Barclay, Brian; Wong, Patrick S. L.; and Theeuwes, Felix, 4,851,229, Cl. 424-457.000.
  - Magruder, Paul R.; Wong, Patrick S.; Theeuwes, Felix; and Guittard, George V., 4,867,969, Cl. 424-78.000.
  - Nedberge, Diane E.; Campbell, Patricia S.; Gale, Robert M.; and Yum, Su I., 4,816,258, Cl. 424-448.000.
  - Roth, Nathan; and Nelsen, Andrew, 4,828,108, Cl. 206-388.000.
  - Roth, Nathan; and Nelsen, Andrew, 4,828,109, Cl. 206-388.000.
  - Sanders, Harold F.; Cheng, Yu-Ling; Enscore, David J.; and Libicki, Shari B., 4,820,720, Cl. 514-356.000.
  - Shaw, Jane; and Gale, Robert M., 4,846,826, Cl. 604-890.100.
  - Stephens, Sally I.; Hamel, Lawrence G.; Barclay, Glen E.; and Wong, Patrick S. L., 4,857,330, Cl. 424-424.000.
  - Stephens, Sally I.; and Wong, Patrick S. L., 4,863,456, Cl. 604-892.100.
  - Taskovich, Lina T., 4,863,738, Cl. 424-449.000.
  - Theeuwes, Felix, 4,853,229, Cl. 424-455.000.
  - Theeuwes, Felix, 4,857,052, Cl. 604-85.000.
  - Theeuwes, Felix, 4,865,585, Cl. 604-85.000.
  - Theeuwes, Felix, 4,871,360, Cl. 604-892.100.
  - Theeuwes, Felix; and Wong, Patrick S. L., 4,876,093, Cl. 424-438.000.
  - Urquhart, John; and Theeuwes, Felix, 4,851,231, Cl. 424-469.000.
  - Urquhart, John; and Theeuwes, Felix, 4,851,232, Cl. 424-469.000.
  - Urquhart, John; and Theeuwes, Felix, 4,863,744, Cl. 424-484.000.
  - Wong, Patrick S. L.; Theeuwes, Felix; Cortese, Richard; and Eckenhoff, James B., 4,824,675, Cl. 424-438.000.
  - Wong, Patrick S. L.; Theeuwes, Felix; and Eckenhoff, James B., 4,874,388, Cl. 604-891.100.
- Alzeta Corporation: *See—*
  - Kendall, Robert M.; Kennedy, Jeffrey M.; Minden, Andrew C.; and Tidball, Richard K., 4,809,672, Cl. 126-91.00A.
- Alzhanov, Tleubai M.: *See—*
  - Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.
- Alzmann, Donald; Angelo, Michael; Waldner, Paul R.; and Brady, Arthur, to Multiline Technology, Inc. Method for punching in printed circuit board laminates and related apparatus and articles of manufacture. 4,829,375, 5-9-89, Cl. 358-101.000.
- Alznauer, Kurt, to Elpatronic AG. Rounding apparatus for a can welding machine. 4,856,312, 8-15-89, Cl. 72-133.000.
- AM Communications, Inc.: *See—*
  - Rocci, Joseph D.; and Quelly, Michael L., 4,810,898, Cl. 307-115.000.
- AM International Corporation: *See—*
  - Niemeyer, Robert H., III, 4,806,954, Cl. 346-139.00R.
  - Niemeyer, Robert H., III, 4,827,293, Cl. 346-139.00R.
  - Niemeyer, Robert H., III, 4,853,714, Cl. 346-139.00R.
  - Niemeyer, Robert H., III, 4,860,032, Cl. 346-139.00R.
  - Niemeyer, Robert H., III, 4,873,538, Cl. 346-139.00R.
  - Ostermeier, Bruce H., 4,875,751, Cl. 350-96.180.
- AM International Incorporated: *See—*
  - Bartky, W. Scott; Paton, Anthony D.; Temple, Stephen; and Michaelis, A. John, 4,879,568, Cl. 346-140.00R.
  - Faltin, Hans G., 4,854,204, Cl. 83-500.000.
  - Jackson, Richard W.; and Oddo, Eugene P., 4,819,930, Cl. 271-209.000.
  - Jackson, Richard W.; Oddo, Eugene P.; and Songer, Larry A., 4,828,248, Cl. 271-310.000.
  - Jackson, Richard W.; and Michaelis, A. J., 4,847,635, Cl. 346-136.000.
  - Michaelis, A. John; Paton, Anthony D.; Temple, Stephen; and Bartky, W. Scott, 4,887,100, Cl. 346-140.00R.
  - Ornberg, John H.; and Guaraldi, Glenn A., 4,848,518, Cl. 184-6.120.
  - Randazzo, Vincent Z., 4,823,697, Cl. 101-375.000.
  - Szczesniak, Stanley J., 4,840,121, Cl. 101-415.100.
  - Temple, Stephen; Paton, Anthony D.; and Michaelis, A. John, 4,845,517, Cl. 346-140.00R.
  - Tucker, Daniel A., 4,826,149, Cl. 271-263.000.
  - Witczak, Stanley, 4,802,411, Cl. 101-216.000.
  - Yeoman, Edwin H., 4,795,144, Cl. 270-58.000.
- Amabile, Gerald; and Rogers, Ronald, to Safety Research and Manufacturing, Inc. Safety bar for vehicles. 4,796,913, 1-10-89, Cl. 280-751.000.
- Amacker, Joseph A. Pendulum bow sight. 4,796,364, 1-10-89, Cl. 33-265.000.
- Amada Company, Limited: *See—*
  - Aoyagi, Minoru, 4,854,208, Cl. 83-862.000.
  - Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.

  - Ikeda, Hidekatsu; Miyama, Hidetoshi; and Kashiwabara, Yoshihiko, 4,802,567, Cl. 198-345.000.
  - Lee, Chun-Sheu; and Ream, Stanley L., 4,803,694, Cl. 372-98.000.
  - Miyama, Hidetoshi; Sugimoto, Masanori; and Kawaguchi, Kouji, 4,889,968, Cl. 219-121.700.
  - Ohashi, Yoshihiko; Nagasawa, Tadahiko; and Koyama, Katsumi, 4,831,862, Cl. 72-389.000.
  - Saito, Shuichi; Kumazawa, Hisao; Tokiwa, Toru; and Yoshishige, Toshihisa 4,805,500, Cl. 83-277.000.
  - Sakamoto, Katsuyoshi; and Takahashi, Takeshi, 4,843,704, Cl. 29-568.000.
  - Tobita, Chuo; and Minato, Yoshiharu, 4,846,037, Cl. 83-599.000.
  - Yanagisawa, Masayoshi; and Ikeda, Hidekatsu, 4,829,864, Cl. 83-33.000.
  - Yonezawa, Keitaro; and Tsutsui, Yoshimitsu, 4,823,687, Cl. 100-53.000.
  - Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,813,324, Cl. 83-848.000.
  - Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,827,822, Cl. 83-835.000.
- Amada, Eiichi; Yamakido, Kazuo; Kozaki, Takahiko; Nishita, Shigeo; and Kokubo, Masaru, to Hitachi, Ltd, PCM coder and decoder having function of two-wire/four-wire conversion. 4,796,296, 1-3-89, Cl. 379-410.000.
- Amada, Eiichi; Shirasu, Hirotoshi; Takatori, Hiroshi; Kazawa, Tohru; Suzuki, Toshiro; Miyamoto, Takanori; and Kameyama, Tatsuya, to Hitachi, Ltd. Method and system for bidirectionally transmitting data. 4,841,521, 6-20-89, Cl. 370-31.000.
- Amada Engineering & Service Co., Inc.: *See—*
  - Goel, Anurag, 4,833,724, Cl. 382-65.000.
  - Koseki, Ryoji, 4,823,355, Cl. 372-58.000.
  - Koseki, Ryoji, 4,871,250, Cl. 356-121.000.
- Amada, Mitsumasa; Sibasaki, Hitosi; and Nagasaka, Masami, to Mamiya Camera Co., Ltd. Method and device for driving lens shutter. 4,839,680, 6-13-89, Cl. 354-233.000.
- AMAF Industries, Inc.: *See—*
  - Leveque, James H.; Williams, Frederick A.; and Eldon, John, 4,839,906, Cl. 375-37.000.
  - Leveque, James H., 4,868,861, Cl. 379-58.000.
- Amafilter Membrantechnik GmbH: *See—*
  - Kohlheb, Robert; and Rautenbach, Robert, 4,861,476, Cl. 210-321.760.
- Amagai, Hideyuki: *See—*
  - Okamoto, Kiyokazu; Amagai, Hideyuki; and Itai, Teruaki, 4,814,683, Cl. 318-800.000.
- Amagai, Yoshimi: *See—*
  - Murofushi, Toshiaki; Nakazawa, Hiroshi; Oyamada, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; and Ohya, Yasuhiro, 4,880,719, Cl. 430-106.600.
  - Tanaka, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; Murofushi, Toshiaki; and Kimura, Takaaki, 4,797,340, Cl. 430-109.000.
- Amagase, Harunobu; Arakawa, Masato; and Hashimoto, Ken, to Wakunaga Seiyaku Kabushiki Kaisha. Treatment of cancer. 4,863,902, 9-5-89, Cl. 514-12.000.
- Amakasu, Tadashi: *See—*
  - Takahashi, Chusei; Amakasu, Tadashi; and Etoh, Hiroshi, 4,823,373, Cl. 379-58.000.
- Amakasu, Toshinari: *See—*
  - Fukuta, Shigemi; Amakasu, Toshinari; Ugata, Ken; and Yoshino, Shoichi, 4,798,615, Cl. 65-4.400.
- Amakawa, Koji: *See—*
  - Uozumi, Norihira; Amakawa, Koji; Kubota, Yoshiyuki; Miki, Atsushi; and Tsutsumi, Yasuyuki, 4,808,492, Cl. 429-34.000.
- Amalaha, Leonard D. Acoustic speaker device with a diaphragm having a spider web type core. 4,817,165, 3-28-89, Cl. 381-202.000.
- Amalgamated Chemical, Inc.: *See—*
  - Acitelli, Frank, 4,816,186, Cl. 252-610.000.
- Amalgamated Wireless Limited: *See—*
  - Wilkinson, Barry N.; and Holst, Barrie J., 4,851,836, Cl. 340-944.000.
- Amamiya, Hisao: *See—*
  - Ejima, Kikuo; and Amamiya, Hisao, 4,794,955, Cl. 138-30.000.
- Amamoto, Narushi: *See—*
  - Fukaya, Seiryo; Takano, Mitsuyoshi; and Amamoto, Narushi, 4,839,582, Cl. 324-77.00B.
- Amamoto, Yoshikatu; and Tanihara, Nozomu, to House Food Industrial Company Limited. Method for producing roux. 4,844,938, 7-4-89, Cl. 426-589.000.
- Aman, Martin, to Linjar Transportteknik I Stockholm AB. Guide arrangement in a linear power unit. 4,877,338, 10-31-89, Cl. 384-26.000.
- Amana Refrigeration, Inc.: *See—*
  - Goetz, Glenn E.; Prunty, Jeffrey L.; and Klemmensen, Ramon L., 4,843,835, Cl. 62-285.000.
  - Klemmensen, Ramon L., 4,872,318, Cl. 62-137.000.
  - Larsen, Wallace L., 4,850,206, Cl. 62-382.000.
  - Ott, Lester J.; and Midlang, Brian M., 4,851,662, Cl. 250-214.0AL.
  - Pink, John J., 4,870,836, Cl. 62-382.000.
  - Rinholen, Robert K., 4,835,981, Cl. 62-229.000.
  - Robeson, John D.; Carlson, Roger W.; and Fritts, Rex E., 4,831,226, Cl. 219-10.55B.
- Amandjules, Michel: *See—*
  - Lauro, Fernand; Marvillet, Christophe; Mayoussier, Patrick; Amandjules, Michel; and Porcher, Jean-Michel, 4,850,427, Cl. 165-134.100.
- Amann, Anton H.: *See—*
  - Wagenknecht, Dietmar M.; Amann, Anton H.; and Gallagher, Daphne R., 4,850,981, Cl. 604-251.000.
- Amann, August: *See—*
  - Kropp, Rudolf; Thyes, Marco; Schlecker, Rainer; Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Traut, Martin; and Gries, Josef, 4,820,821, Cl. 544-224.000.
- Amann, Emmo, to Gottfried Amann & Sohn Ges.m.b.H. & Co. Method and device for preventing condensation on cooled tools of plastic working machine. 4,803,787, 2-14-89, Cl. 34-50.000.
- Amann, John, to Amann, John. Breathable laminate fabric. 4,871,600, 10-3-89, Cl. 428-56.000.
- Amann, Reinhard, to Alfit Gesellschaft m.b.H. Set of hardware for mounting a hinged and slidable door on a box unit of furniture 4,852,212, 8-1-89, Cl. 16-102.000.
- Amano, Atsushi: *See—*
  - Eino, Teruo; Amano, Atsushi; and Toda, Masato, 4,869,237, Cl. 128-6.000.
  - Kanehira, Katsuyuki; Takayama, Syuichi; Amano, Atsushi; Hibino, Hiroki; Uchiyama, Naoki; and Nakada, Akio, 4,872,458, Cl. 128-401.000.
- Amano Corporation: *See—*
  - Mama, Shinichi, 4,857,883, Cl. 340-311.100.
- Amano, Fumio: *See—*
  - Taniguchi, Tomohiko; Iseda, Kohei; Tomita, Yoshihiro; Amano, Fumio; Unagami, Shigeyuki; and Tominaga. Shoji, 4,831,636, Cl. 375-27.000.
  - Taniguchi, Tomohiko; Iseda, Kohei; Okazaki, Koji; Amano, Fumio; and Unagami, Shigeyuki, 4,890,325, Cl. 381-34.000.
- Amano, Hideaki: *See—*
  - Matsushita, Toshio; Amano, Hideaki; Yamaura, Satoru; Nakamur Shigeo; and Nakada, Yasusuke, 4,855,853, Cl. 360-106.000.
- Amano, Hiroyoshi: *See—*
  - Fukui, Toshio; Amano, Hiroyoshi; Origuchi, Takayuki; and Sumune, Katsuaki, 4,826,572, Cl. 162-272.000.
- Amano, Hiroyuki: *See—*
  - Oda, Shohei; Seshimoto, Osamu; Sueyoshi, Tohru; and Amano, Hiroyuki, 4,877,582, Cl. 422-68.000.
- Amano, Hisao: *See—*
  - Satoo, Masayoshi; Tokunaga, Norikazu; Amano, Hisao; Odaka, Teruaki; and Matsuda, Yasuo, 4,866,589, Cl. 363-21.000.
  - Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Amano, Hisao, 4,855,887, Cl. 363-8.000.
  - Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Amano, Hisao, 4,878,163, Cl. 363-8.000.
- Amano, Itaru; Fujieda, Yasuhiko; and Ureshino, Kashiro, to Kabushiki Kaisha Kobe Seiko Sho. Slide falling prevention device in a tire vulcanizer. 4,822,266, 4-18-89, Cl. 425-34.100.
- Amano, Itaru: *See—*
  - Fujieda, Yasuhiko; Amano, Itaru; and Kanzawa, Masahide 4,799,871, Cl. 425-38.000.
  - Ichikawa, Katumi; Amano, Itaru; Hujieda, Yasuhiko; Misum Shikao; Hukumura, Seisuke; and Miyauchi, Hideo, 4,874,303, Cl. 425-28.100.
- Amano, Jiro; Shimada, Masato; Takano, Kouzou; and Tohyama, Shuroku, to Toray Industries, Inc. Waterproof fabric having high moisture permeability and method of making same. 4,803,116, 2-7-89, Cl. 428-286.000.
- Amano, Kagetaka: *See—*
  - Kamohara, Hisato; Amano, Kagetaka; Horie, Hiromich Shimamura, Keizo; and Aisaka, Tatsuyoshi, 4,832,707, Cl. 51-307.000.
- Amano, Kenichiro; Kiuchi, Masayoshi; Harada, Yoshihito; Kobayash Ryuichi; and Kawamura, Masaharu, to Canon Kabushiki Kaisha Information setting device for camera. 4,849,780, 7-18-89, Cl. 354-289.120.
- Amano, Kenichiro: *See—*
  - Tsujimoto, Shinichi; Amano, Kenichiro; and Itch, Kenji, 4,888,61 Cl. 354-475.000.
- Amano, Kozo: *See—*
  - Kagawa, Junichi; Saiki, Yoshiaki; and Amano, Kozo, 4,881,403, Cl. 73-115.000.
- Amano, Matsuo; Shida, Masami; Sakamoto, Masahide; Hirayama Takeshi; and Sasayama, Takao, to Hitachi, Ltd. Method of controlling air-fuel ratio. 4,837,698, 6-6-89, Cl. 364-431.070.
- Amano, Matsuo; Suda, Seiji; and Satou, Nobuo, to Hitachi, Ltd. Leaning control method for internal combustion engines. 4,852,01 7-25-89, Cl. 364-431.030.
- Amano, Michiaki: *See—*
  - Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakeh Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,798,83 Cl. 514-258.000.
  - Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakeh Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,816,45 Cl. 514-258.000.
- Amano, Nobuhiko: *See—*
  - Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko 4,797,193, Cl. 204-416.000.
  - Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko 4,832,817, Cl. 204-401.000.
  - Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko 4,882,544, Cl. 324-511.000.
- Amano, Norihisa: *See—*
  - Seki, Masaki; and Amano, Norihisa, 4,825,377, Cl. 364-474.290.
  - Seki, Masaki; and Amano, Norihisa, 4,855,921, Cl. 364-474.290.

  - Seki, Masaki; and Amano, Norihisa, 4,855,926, Cl. 364-474.290.
  - Seki, Masaki; and Amano, Norihisa, 4,855,927, Cl. 364-474.290.
  - Seki, Masaki; and Amano, Norihisa, 4,870,597, Cl. 364-474.290
- Amano Pharmaceutical Co., Ltd.: *See—*
  - Kosaka, Akira; Murao, Sawao; Hirano, Kenichi; Tanaka, Noriaki; and Matsunaga, Kuniyoshi, 4,839,279, Cl. 435-25.000.
  - Maeda, Hiroshi; Matsumura, Yasuhiro; Asami, Osamu; Tanaka, Hideyuki; and Sasaki, Ikuharu, 4,844,897, Cl. 424-94.300.
- Amano, Satoru, to Hoya Corporation. Acoustooptic modulation device capable of avoiding impedance mismatching over a wide frequency band. 4,843,335, 6-27-89, Cl. 332-751.000.
- Amano, Shinya: *See—*
  - Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, 4,866,670, Cl. 364-900.000.
  - Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; and Amano, Shinya, 4,821,230, Cl. 364-900.000.
  - Miike, Seiji; Yamanaka, Noriko; Hirakawa, Hideki; and Amano, Shinya, 4,831,529, Cl. 364-419.000.
- Amano, Sho: *See—*
  - Yamashita, Toshiharu; Amano, Sho; Tajima, Hidemi; Masuda, Isao; and Izumitani, Tetsuro, 4,871,230, Cl. 350-96.340.
- Amano, Susumu: *See—*
  - Hidano, Kengo; and Amano, Susumu, 4,797,015, Cl. 384-580.000.
- Amano, Tadashi; Okuno, Yoshitaka; and Watanabe, Junichi, to Shin-Etsu Chemical Co., Ltd. Method for suspension polymerization of vinyl chloride monomer. 4,826,940, 5-2-89, Cl. 526-61.000.
- Amano, Tadashi; Watanabe, Junichi; and Kitamura, Hajime, to Shin-Etsu Chemical Co., Ltd. Process for preparing a vinyl chloride polymer. 4,845,174, 7-4-89, Cl. 526-62.000.
- Amano, Tadashi; and Abe, Tokuji, to Shin-Etsu Chemical Co., Ltd. Polyvinyl chloride resin composition having improved thermal stability and a method for the preparation thereof. 4,885,333, 12-5-89, Cl. 524-762.000.
- Amano, Tadashi: *See—*
  - Uchida, Makoto; Kakuhari, Hiroyuki; Isogawa, Wataru; and Amano, Tadashi, 4,806,962, Cl. 354-324.000.
- Amano, Tetsuya: *See—*
  - Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.
- Amano, Toshio, to Sony Corporation. Remotely controllable electronic apparatus. 4,807,052, 2-21-89, Cl. 358-194.100.
- Amano, Toshio; and Imada, Isuke, to Takeda Chemical Industries, Ltd. Automatic analysis method and apparatus for enzyme reaction. 4,835,707, 5-30-89, Cl. 364-497.000
- Amano, Toshio: *See—*
  - Hakamada, Kunio; Hanamura, Shizuo; Oda, Osamu; and Amano, Toshio, 4,845,564, Cl. 358-183.000.
  - Ichikawa, Norihito; Oda, Osamu; Amano, Toshio; and Someya, Ikuo, 4,821,102, Cl. 358-183.000.
  - Ichikawa, Norihito; Someya, Ikeo; Oda, Osamu, and Amano, Toshio, 4,841,367, Cl. 358-181.000.
  - Oda, Omasu; and Amano, Toshio, 4,888,819, Cl. 358-192.100.
- Amano, Yasunobu; and Sudo, Masayuki, to Sony Corporation. Cathode-ray tube with electrostatic convergence means and magnetic misconvergence correcting mechanism. 4,857,796, 8-15-89, Cl. 313-428.000.
- Amano, Yasushi: *See—*
  - Mizuno, Masahiko; Amano, Yasushi; Yasuda, Eiichi; Doi, Shunichi; Hayashi, Yasutaka; and Yamaguchi, Hiroyuki, 4,834,205, Cl. 180-141.000.
- Amano, Yoshiaki; Yokoyama, Eiji; and Ohyauchi, Hideo, to Hitachi, Ltd. Reformer. 4,838,897, 6-13-89, Cl. 48-196.00A.
- Amano, Yoshikai: *See—*
  - Koyama, Kazuo; and Amano, Yoshikai, 4,881,273, Cl. 455-161.000.
- Amano, Yoshikazu; Kageyama, Shigeki; and Katsuyama, Harumi, to Fuji Photo Film Co., Ltd. Dry analytical element having a spread control area for assaying enzyme activity. 4,889,797, 12-26-89, Cl. 435-4.000.
- Amanuma, Tatuo; Ishizuki, Kenji; and Ohtsubo, Yoshiaki, to Nikon Corporation. Auto-focus camera. 4,796,044, 1-3-89, Cl. 354-403.000.
- Amao, Kenji; and Masuda, Sadao, to Sanyo Electric Co., Ltd. Screen printing machine. 4,864,361, 9-5-89, Cl. 355-53.000.
- Amarakoon, Kiri B., to Xerox Corporation. Removal of static from the platen of a copying apparatus. 4,805,067, 2-14-89, Cl. 361-212.000.
- Amaral, David C. Oil restrictor system. 4,852,534, 8-1-89, Cl. 123-196.00R.
- Amaral, Everson; and Das Neves, Rosana R., to Chicopee. Fastening and sealing system for diapers. 4,850,992, 7-25-89, Cl. 604-389.000.
- Amaray International Ltd.: *See—*
  - Pijanowski, Stefan; Thompson, Peter; and Dartnall, Adrian, 4,802,601, Cl. 220-4.00R.
- Amaro, Michael G.: *See—*
  - Bevers, Morey S.; Amaro, Michael G.; and Musson, Robert A., 4,852,145, Cl. 379-27.000.
- Amason, Myron P.; Schroeder, John E.; and Alsenz, Evert C., to Lightning Diversion Systems. Lightning diversion strips for aircraft. 4,796,153, 1-3-89, Cl. 361-218.000.
- Amata, Yoshitaka, to Aichi Tokei Denki Co., Ltd. Calorimeter using remanence type electromagnetic flowmeter. 4,795,267, 1-3-89, Cl. 374-41.000.
- Amatangelo, Matthew J., to Martin Marietta Corporation. TTL-CMOS input buffer. 4,845,388, 7-4-89, Cl. 307-475.000.
- Amato, Joseph G., to Hitch Lift, Inc. Boom hoist for attachment to a trailer hitch drawbar. 4,881,864, 11-21-89, Cl. 414-543.000.
- Amato, Joseph S.; McNamara, James M.; Leazer, Johnnie L., Jr.; Reider, Paul J.; and Reamer, Robert A., to Merck & Co. Inc. Process for unsymmetrical dithioacetals and dithioketals. 4,883,878, 11-28-89, Cl. 546-172.000.
- Amato, Michael: *See—*
  - Leising, Walter F.; and Amato, Michael, 4,822,977, Cl. 219-216.000.
- Amawa, Tetsuo: *See—*
  - Yamanaka, Minoru; and Amawa, Tetsuo, 4,859,516, Cl. 428-92.000.
- Amax Inc.: *See—*
  - Cox, Thomas B.; and Garber, Richard I., 4,832,757, Cl. 148-12.00B.
  - Lussiez, Guy W.; Chou, Eddie C.; and Beckstead, Leo W., 4,810,303, Cl. 106-452.000.
  - Mihelich, John L., 4,797,510, Cl. 174-94.00R.
  - Natalie, Charles A.; Bates, Julianne; and Vukasovich, Mark S., 4,846,898, Cl. 428-469.000.
  - Timmons, George A., 4,806,385, Cl. 427-34.000.
- Amaya, Naoyuki: *See—*
  - Murata, Yoshishige; Koinuma, Yasumi; Amaya, Naoyuki; Otsu, Takayuki; and Nisimura, Masafumi, 4,855,374, Cl. 526-261.000.
- Amaya, Toshiyuki: *See—*
  - Hoda, Hisashi; Sudo, Satomi; Amaya, Toshiyuki; Siratori, Kuniaki; and Yamada, Takao, 4,831,610, Cl. 369-48.000.
- Amazawa, Kiyoshi; and Mori, Akira, to Clarion, Co., Ltd. Pulsating noise removal device. 4,862,097, 8-29-89, Cl. 328-165.000.
- Amazawa, Takao: *See—*
  - Kamoshida, Kazuyoshi; Nakamura, Hiroaki; and Amazawa, Takao, 4,816,126, Cl. 204-192.300.
- Amazonen Werke, H. Dreyer GmbH. Co. KG: *See—*
  - Gattermann, Bernd; Steenken, Bernhard; Grosse-Scharmann, Franz; and Muller, Horst, 4,798,271, Cl. 192-18.00R.
- Amazutsumi, Tooru: *See—*
  - Hara, Mitsunori; Nagao, Nobuhiro; Amazutsumi, Tooru; and Urushihara, Kanji, 4,804,593, Cl. 429-174.000.
- Ambassador College: *See—*
  - Prohs, John R.; Akins, Charles G.; Efthyvoulos, Nicholas; Sandilands, Phillip E.; and Scheid, Michael R., 4,837,799, Cl. 379-224.000.
- Ambasz, Emilio. Expandable luggage. 4,844,215, 7-4-89, Cl. 190-105.000.
- Amberg, Guenther; Bechstedt, Wolfgang; Schulz, Paul; and Trabitzsch, Uwe, to Henkel Kommanditgesellschaft auf Aktien. Machine washing process: detergent paste and automatic dispenser. 4,889,644, 12-26-89, Cl. 252-8.900.
- Amberg, Guenther: *See—*
  - Schulz, Paul; and Amberg, Guenther, 4,836,405, Cl. 220-93.000.
- Amberg, Robert L.; and Valaas, Andrew M., to Boeing Company, The. Braking torque control system. 4,822,113, 4-18-89, Cl. 303-100.000.
- Amberger, Charles J.: *See—*
  - Pharms, Eugene P.; Amberger, Charles J.; and Hymore, Ronald R., 4,844,985, Cl. 428-432.000.
- Ambi-Rad Limited: *See—*
  - Fletcher, John E.; and Yale, William, 4,869,230, Cl. 126-91.00A.
- Ambic Equipment Limited: *See—*
  - Marshall, Barry R., 4,840,141, Cl. 119-14.470.
- Ambler, Kevin; and Hanopole, Irwin. Receptacle bag assembly. 4,838,327, 6-13-89, Cl. 141-114.000.
- Ambo, Tatsuaki: *See—*
  - Maekawa, Katsumi; and Ambo, Tatsuaki, 4,860,186, Cl. 363-41.000.
- Ambotech Limited: *See—*
  - Noble, Peter J. W.; and Maskens, Geoffrey D., 4,811,480, Cl. 29-809.000.
- Ambrogio, Sala, to SGS-Thomson Microelectronics S.p.A. Container for vacuum storing and/or shipping silicon wafers. 4,886,162, 12-12-89, Cl. 206-328.000.
- Ambrogio, Salvatore, to Aquanon Corp. Hydrocarbon fuel additive. 4,808,195, 2-28-89, Cl. 44-53.000.
- Ambrose, David W.: *See—*
  - Boomgaarden, Jonathan C.; Bandoian, Marlene R. A.; and Ambrose, David W., 4,829,844, Cl. 74-470.000.
- Ambrose, Ronald R.; O'Dwyer, James B.; Johnston, Byron K.; Zielinski, David P.; Porter, Samuel, Jr.; and Tyger, Wayne H., to PPG Industries, Inc. Urethane component for high solids coating compositions. 4,859,743, 8-22-89, Cl. 525-443.000.
- Ambrose, Ronald R.: *See—*
  - Chang, Wen H.; Prucnal, Paul J.; Peffer, John R.; Dufford, Edward L.; and Ambrose, Ronald R., 4,808,663, Cl. 525-100.000.
- Ambrose, Stephen D.; Tunkel, Jeffrey W.; and Shelley, Joseph F. Braking indicator. 4,797,518, 1-10-89, Cl. 200-61.890.
- Ambrose, Stephen D., to SenseSonics, Inc. High fidelity earphone and hearing aid. 4,852,177, 7-25-89, Cl. 381-154.000.
- Ambrosi, Martin J., to Max Widenmann Armaturenfabrik. Ball valve. 4,850,567, 7-25-89, Cl. 251-81.000.
- Ambrosia Microcomputer Products, Inc.: *See—*
  - Stern, David R., 4,868,780, Cl. 364-900.000.
- Ambrosiani, Vincent J.: *See—*
  - Mann, Joe A.; Ambrosiani, Vincent J.; Wilder, Cynthia D.; and Seyam, Abdelfattah M., 4,807,303, Cl. 2-69.000.
- Ambrosino, Jean-Louis; Cohen, Choua; Cheron, Jacques; and Rouey, Alexandre, to Institut Francais du Petrole. Working fluid mixtures for use in thermodynamic compression cycles comprising trifluoromethane and chlorodifluoroethane. 4,812,250, 3-14-89, Cl. 252-67.000.
- Ambrosius, Kalus: *See—*
  - Franz, Klaus D.; Ambrosius, Kalus; Kanpp, August; and Brucker, Hans D., 4,867,793, Cl. 106-415.000.
- Ambrosius, Klaus; Knapp, August; Plamper, Helmut; and Esselborn, Reiner, to Merck Patent Gesellschaft mit beschrankter Haftung.

- Process for preparing rutile-coated mica pigments. 4,867,794, 9-19-89, Cl. 106-417.000.
- Ambrus, Peter: *See—*
  - Vodicska, Miklos; Vajda, Nora; Zagyvai, Peter; Solymosi, Jozsef; Nagy, Lajos G.; Kulcsar, Erno; Takacs, Marta; and Ambrus, Peter, 4,806,278, Cl. 252-631.000.
- Ambu International A/S: *See—*
  - Kohnke, Ole B., 4,801,268, Cl. 434-265.000.
- AMCA International Corporation: *See—*
  - Kelly, David L.; and Needham, Jeffrey R., 4,802,316, Cl. 52-90.000.
  - Lahita, Michael J., 4,817,337, Cl. 49-483.000.
  - Regan, James B.; Ikovich, George J.; Carlsen, James A.; Juelich, Richard J.; and Kogel, Henry G., 4,878,452, Cl. 114-293.000.
  - Santi, Roger J., 4,847,975, Cl. 29-428.000.
- AMCA International Group: *See—*
  - Wallace, Gary L.; and Moore, Robert K., 4,794,996, Cl. 177-25.140.
- Amchem Company Limited: *See—*
  - Baker, George E., 4,850,147, Cl. 51-72.00R.
- Amchem Products, Inc.: *See—*
  - Broadbent, Ronald W., 4,800,106, Cl. 427-388.100.
  - Miyamoto, Satoshi; and Nagatani, Masamichi, 4,838,957, Cl. 148-260.000.
  - Yamasoe, Katsuyoshi; Ikeda, Satoshi; and Yasuhara, Kiyotada, 4,851,148, Cl. 252-142.000.
  - Yamasoe, Katsuyoshi; Yasuhara, Kiyotado; and Ikeda, Satoshi, 4,886,616, Cl. 252-142.000.
- Amco Corporation: *See—*
  - Ettlinger, Ralph; and Kulbersh, Irwin, 4,815,394, Cl. 108-111.000.
  - Heideman, Robert C., 4,811,877, Cl. 224-321.000.
  - Olson, Ralph; and Kulbersh, Irwin, 4,852,501, Cl. 108-111.000.
- Amco Manufacturing Corporation: *See—*
  - Heideman, Robert C., 4,815,643, Cl. 224-321.000.
  - Heideman, Robert C., 4,826,061, Cl. 224-326.000.
- Amco Partnership: *See—*
  - Fingerson, Conrad F.; and Eickhoff, Robert D., 4,836,504, Cl. 256-10.000.
- Amco Tool and Stamping Co., Inc.: *See—*
  - Ocwieja, Thomas V., 4,817,231, Cl. 15-235.400.
- Amcon, Inc.: *See—*
  - Mason, Roy G.; and Andreasen, Leif, 4,803,427, Cl. 324-207.000.
- Amcor Limited: *See—*
  - Bennett, Peter G.; McKinlay, Peter R.; Shaw, Neil W.; and Stott, Ronald A., 4,886,563, Cl. 156-205.000.
- Amdahl Corporation: *See—*
  - Cary, Richard W.; and Guyon, Richard D., 4,875,159, Cl. 364-200.000.
  - Chen, Jack; Thomas, Jeffrey A.; Petolino, Joseph A., Jr.; Begley, Michael J.; Shah, Ajay; Taylor, Michael D.; and Tobias, Richard J., 4,851,993, Cl. 364-200.000.
  - Christensen, Harold F.; Thomas, Jeffrey A.; Isozaki, Jeffrey; and Petolino, Joseph A., 4,852,100, Cl. 371-38.000.
  - Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel C.; and Thomas, Jeffrey A., 4,855,904, Cl. 364-200.000.
  - Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel Carl; and Thomas, Jeffrey A., 4,872,111, Cl. 364-200.000.
  - Keegan, Timothy J., 4,805,195, Cl. 375-106.000.
  - Maier, Robert M.; Zmyslowski, Allan J.; and Schober, Carolee N., 4,812,989, Cl. 364-200.000.
  - Parks, Howard L., 4,841,355, Cl. 357-82.000.
  - Piercy, John R.; and Grzeszykowski, Miroslaw, 4,868,513, Cl. 328-134.000.
  - Rawlinson, Stephen J.; Nguyen, Quang H.; and Simmonds, Stephen M., 4,802,088, Cl. 364-200.000.
  - Rawlinson, Stephen J.; Nguyen, Quang H.; and Wade, R. Morse, 4,817,048, Cl. 364-761.000.
  - Si, Stephen S. C.; Lee, H. P. Sherman; and Rawlinson, Stephen J., 4,800,516, Cl. 364-748.000.
  - Si, Stephen S. C., 4,809,162, Cl. 364-200.000.
  - Si, Stephen S. C.; and Merrick, Dale F., 4,819,166, Cl. 364-200.000.
  - Si, Stephen S. C.; Wang, Eugene T.; and Chiou, Jongwen, 4,835,728, Cl. 364-900.000.
  - Sochor, Jerzy, 4,889,499, Cl. 439-268.000.
  - Taylor, Michael D.; Maier, Robert M.; Begley, Michael J.; Zmyslowski, Allan J.; Thomas, Jeffrey A.; and Petolino, Joseph A., 4,888,689, Cl. 364-200.000.
  - Thomas, Jeffrey A.; Robinson, Theodore S.; Ertl, Robert A.; and Christensen, Harold F., Jr., 4,881,163, Cl. 364-200.000.
  - Wang, Eugene T.; and Si, Stephen S. C., 4,855,616, Cl. 307-269.000.
  - Wilson, J. Chris; and Shah, Arun, 4,799,155, Cl. 364-200.000.
  - Zmyslowski, Allan J.; and Maier, Robert M., 4,855,947, Cl. 364-200.000.
- Amdahl, Paul O.; Ham, John K.; and Mazilu, Doina, to Dataproducts Corporation. Uniform print density and registration in an impact printer. 4,806,031, 2-21-89, Cl. 400-157.300.
- Amdall, John K.: *See—*
  - Morris, Leslie C.; and Amdall, John K., 4,836,043, Cl. 74-579.00E.
- Ameda AG: *See—*
  - Beer, Christian; Riedweg, Robert; and Schlensog, Klaus, 4,799,922, Cl. 604-74.000.
- Amedei, Giuseppe; and Tornactore, Giovanni, to Fiatgeotech-Tecnologie per la terra S.p.A. Gearbox with electronically-controlled hydraulic clutches, for agricultural tractors and similar vehicles. 4,873,880, 10-17-89, Cl. 74-336.00R.
- Ameen, Joseph G.; Carden, Timothy F.; Cutting, Lawrence R.; Engle, Stephen R.; and Moore, Ronald J., to International Business Machines Corporation. Suspension and use thereof. 4,803,100, 2-7-89, C 427-387.000.
- Ameg France: *See—*
  - Fritsch, Georges, 4,859,216, Cl. 55-28.000.
- Ameglio, Gian D.: *See—*
  - Osberghaus, Rainer; Ameglio, Gian D.; Bossek, Harald; and Ro mann, Karl-Heinz, 4,810,291, Cl. 106-10.000.
- Amek Systems & Controls Limited: *See—*
  - Franks, Nicholas; and Langley, Graham A., 4,879,751, C 381-119.000.
- Amelio, William J.; Czarnecki, Kenneth R.; Lemon, Gary K.; Ma kovich, Voya; Sambucetti, Carlos J.; and Zarr, Richard S., to Intern tional Business Machines Corporation. Process for determining th activity of a palladium-tin catalyst. 4,820,643, 4-11-89, Cl. 436-37.0
- Amelot, Bernard: *See—*
  - Savall, Jose; Parmentier, Claude; and Amelot, Bernard, 4,835,8 Cl. 24-122.600.
- Amemiya, Hideo: *See—*
  - Sugihara, Eiichi; Amemiya, Hideo; and Hayafune, Koji, 4,839,7 Cl. 358-253.000.
  - Ueki, Toru; Yazaki, Jinichi; Tamura, Akihiko; Amemiya, Hide and Miyazaki, Takashi, 4,826,735, Cl. 428-476.100.
- Amemiya, Koji: *See—*
  - Menjo, Takeshi; Inoue, Masahiro; and Amemiya, Koji, 4,883,0 Cl. 118-691.000.
- Amemiya, Naomi: *See—*
  - Kikuchi, Takashi; Amemiya, Naomi; Tsuchida, Masami; S Shiro; and Tanabe, Masashi, 4,817,075, Cl. 369-47.000.
- Amemiya, Shigeo: *See—*
  - Iguchi, Kazuo; Soejima, Tetsuo; Amemiya, Shigeo; and Kom Hiroaki, 4,850,047, Cl. 455-612.000.
- Amemiya, Shin-ichi; and Ishiwata, Kenji, to Fujitsu Limited. Ultras continuous wave blood flowmeter using Doppler effect analy 4,866,613, 9-12-89, Cl. 364-413.250.
- Amemiya, Yashuhiro: *See—*
  - Yoshida, Zenichi; Kato, Susumu; and Amemiya, Yashuh 4,814,532, Cl. 585-357.000.
- Amemiya, Yoichi: *See—*
  - Kawada, Shigeki; Amemiya, Yoichi; Sogabe, Masatoyo; and I matsu, Noboru, 4,796,352, Cl. 29-596.000.
- Amemiya, Yoshio: *See—*
  - Ogino, Masanori; Amemiya, Yoshio; Okino, Michiko; and Wa Kazuro, 4,810,940, Cl. 315-389.000.
- Amemiya, Yoshiya: *See—*
  - Terada, Atsusuke; Amemiya, Yoshiya; Matsuda, Keiichi; a Oshima, Takeshi, 4,847,272, Cl. 514-337.000.
- Amemiya, Yutaka: *See—*
  - Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimih Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Ya oka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.
- Amen, Jean; and Cabau, Michel, to L'Air Liquide, Societe Anon pour l'Etude et l'Exploitation des Procedes Georges Claude. Pro for preparing concentrated amounts of lyophilized microorgan 4,797,364, 1-10-89, Cl. 435-243.000.
- Amen, Jean; and Cabau, Michel, to Eurozyme S.A. Production microorganisms. 4,865,969, 9-12-89, Cl. 435-3.000.
- Amen, Jean: *See—*
  - Mizandjian, Jean-Luc; Pean, Jean-Louis; and Amen, Je 4,870,801, Cl. 53-432.000.
- Amen, Ronald C.; Smith, Christine F.; and Bakal, Abraham I. Dalziel, Kathleen M.; and Swerman, Marshall N. Shelf-stable ae dispensable yogurt products. 4,851,239, 7-25-89, Cl. 426-43.000.
- Amendola, Stephen: *See—*
  - Durrum, Emmett L.; Amendola, Stephen; and Erickson, Bruce 4,861,866, Cl. 530-333.000.
- Ament, Charles E., executor: *See—*
  - Mitchell, John, deceased; and Ament, Charles E., execu 4,808,306, Cl. 210-222.000.
- Ament, Eduard, to Baumeister & Gatler. Window shade or sc apparatus, particularly for vehicle windows. 4,836,263, 6-6-89 160-68.000.
- AMEPA Angewandte Messtechnik und Prozessautomation GmbH: *See—*
  - Julius, Edmund, 4,887,798, Cl. 266-99.000.
  - Theissen, Wolfgang; Julius, Edmund; and Block, Fran 4,816,758, Cl. 324-204.000.
- Amer, Moh. S. Non-dairy liquid health food. 4,834,990, 5-30-8 426-74.000.
- Amer, Moh. S., to Top Laboratories, Inc. Low-dosage subli aspirin. 4,866,046, 9-12-89, Cl. 514-159.000.
- Amerace Corporation: *See—*
  - Borgstrom, Alan D., 4,799,895, Cl. 439-183.000.
  - Borgstrom, Alan D.; Stepniak, Frank M.; and Kominiak, An A., 4,863,392, Cl. 439-185.000.
  - Duve, Wolfgang, 4,829,146, Cl. 174-94.00R.
  - Flanagan, Robert M.; and Heenan, Sidney A., 4,854,7 404-11.000.
- Amerada Hess Corporation: *See—*
  - Helfgott, Theodore; and Corn, Michael R., 4,844,81 210-747.000.
- Amerada Minerals Corporation of Canada, Ltd.: *See—*
  - Hart, Gordon E., 4,867,242, Cl. 166-369.000.
- Amerena, William A., to Gillette Company, The. Monitoring app 4,860,753, 8-29-89, Cl. 128-632.000.
- America Matrix, Inc.: *See—*
  - Nixdorf, Richard D., 4,875,616, Cl. 228-120.000.

- America, William G., to Perkin-Elmer Corporation, The. High pressure column assembly for a liquid chromatograph system. 4,876,005, 10-24-89, Cl. 210-198.200.
- American Air Liquide: *See—*
  - Brandt, Michael D.; and Mermoud, Francois, 4,849,174, Cl. 422-62.000.
  - Giacobbe, Frederick, 4,872,926, Cl. 148-13.100.
  - Kasper, Gerhard; Wen, Horng-Yuan; and Nishikawa, Yukinobu, 4,878,510, Cl. 137-1.000.
  - Schvester, Pascal, 4,840,280, Cl. 215-228.000.
- American Allsafe Company: *See—*
  - Bourgeois, Roy M., 4,796,308, Cl. 2-243.00R.
- American Angler Corporation: *See—*
  - Davis, F. Darell, 4,881,340, Cl. 42-42.060.
- American Ball Manufacturing, Corp.: *See—*
  - Mackey, Gary T., 4,886,277, Cl. 273-232.000.
- American Ball Screw: *See—*
  - Pollo, Joseph L., 4,887,480, Cl. 74-459.000.
- American Bank Note Holographics, Inc.: *See—*
  - Haines, Kenneth A.; and Weller, Robert H., 4,832,445, Cl. 350-162.200.
- American Biogenetic Sciences, Inc.: *See—*
  - Fraser, Malcolm J.; Rosen, Elliot D.; and Plopis, Victoria A., 4,870,023, Cl. 435-320.000.
- American Biomed, Inc.: *See—*
  - Summers, David P., 4,850,957, Cl. 604-22.000.
- American Bionetics, Inc.: *See—*
  - Littlehales, William J., 4,818,701, Cl. 435-311.000.
  - Littlehales, William J., 4,840,714, Cl. 204-180.100.
  - Marks, Martin E.; Littlehales, William J.; and Chang, Chu-An, 4,859,419, Cl. 422-56.000.
- American Biotechnology Company: *See—*
  - Fodor, Gabor B.; Sussangkarn, Kawporn; and Veltri, Robert W., 4,883,808, Cl. 514-468.000.
  - Maxim, Peter E.; and Veltri, Robert W., 4,883,813, Cl. 514-470.000.
- American Bottlers Equipment Co., Inc.: *See—*
  - Fauth, Frederick E., Sr., 4,828,103, Cl. 198-781.000.
  - Fauth, Frederick E., Sr.; and Barkley, Paul E., 4,836,358, Cl. 198-789.000.
- American Brush Corporation: *See—*
  - Mayne, James K., 4,874,087, Cl. 206-362.400.
- American Building Restoration Chemicals, Inc.: *See—*
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- American Cast Iron Pipe Company: *See—*
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- American Colloid Company: *See—*
  - Alexander, William; and Teppo, Maynard, 4,820,742, Cl. 521-131.000.
  - Alexander, William; Anderson, Mark; and Regan, Barbara R., 4,820,773, Cl. 525-274.000.
  - Alexander, William; Anderson, Mark; and Regan, Barbara R., 4,824,901, Cl. 524-555.000.
  - Alexander, William, 4,832,793, Cl. 162-181.800.
  - Alexander, William, 4,836,940, Cl. 252-8.512.
  - Alexander, William, 4,847,226, Cl. 502-83.000.
  - Alexander, William, 4,886,550, Cl. 106-74.000.
  - Harriett, Todd D., 4,797,158, Cl. 106-74.000.
  - Harriett, Todd D., 4,810,573, Cl. 428-331.000.
- American Comb Corp.: *See—*
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- American Combustion, Inc.: *See—*
  - Gitman, Gregory M.; and Khudenko, Boris M., 4,861,262, Cl. 431-5.000.
  - Gitman, Gregory M., 4,874,311, Cl. 432-13.000.
  - Gitman, Grigory M., 4,797,087, Cl. 431-10.000.
- American Crystal Sugar Company: *See—*
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  - Olson, Roland F.; and Fergle, Richard R., 4,882,190, Cl. 426-541.000.
- American Cyanamid Company: *See—*
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  - Alvarado, Sergio I.; Crews, Alvin D., Jr.; Wepplo, Peter J.; Doehner, Robert F., Jr.; Brady, Thomas E.; Cange, David M.; and Little, Desiree L., 4,883,914, Cl. 564-91.000.
  - Arendt, Volker D., 4,857,505, Cl. 514-2.000.
  - Asato, Goro; and France, Donald J., 4,849,446, Cl. 514-450.000.
  - Asato, Goro; and Tamura, Susan Y., 4,851,428, Cl. 514-450.000.
  - Asato, Goro; and Tamura, Susan Y., 4,876,272, Cl. 514-450.000.
  - Asato, Goro; and France, Donald J., 4,877,888, Cl. 549-264.000.
  - Asato, Goro; and France, Donald J., 4,886,784, Cl. 514-30.000.
  - Asato, Goro; and Tamura, Susan Y., 4,886,828, Cl. 514-450.000.
  - Asato, Goro; and Tamura, Susan Y., 4,886,829, Cl. 514-450.000.
  - Asato, Goro; and Tamura, Susan Y., 4,886,830, Cl. 514-450.000.
  - Babine, Robert; and Lee, Ving J., 4,800,199, Cl. 514-202.000.
  - Babine, Robert; Curran, William V.; and Lee, Ving J., 4,866,169, Cl. 540-226.000.
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  - Baretz, Bruce H.; and Trzaskos, William J., 4,859,369, Cl. 252-700.000.
  - Baumann, John A.; Schachter, Rozalie; and Viscogliosi, Marcello, 4,867,952, Cl. 423-210.000.
  - Bentley, Terence J.; and Asato, Goro, 4,863,959, Cl. 514-524.000.
  - Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,808,730, Cl. 549-211.000.
  - Bitha, Panayota; and Lin, Yang-I, 4,833,270, Cl. 562-493.000.
  - Bitha, Panayota; Child, Ralph G.; Hlavka, Joseph J.; and Lin, Yang-I, 4,866,092, Cl. 514-492.000.
  - Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,870,070, Cl. 514-184.000.
  - Brown, Dale G.; Siddens, Jack K.; Diehl, Robert E.; and Wright, Donald P., Jr., 4,857,651, Cl. 549-443.000.
  - Carter, Guy T.; Borders, Donald B.; Goodman, Joseph J.; and Labeda, David P., 4,859,598, Cl. 435-252.100.
  - Casey, Donald J.; Rosati, Louis; Jarrett, Peter K.; and Lehmann, Leonard T., 4,857,602, Cl. 525-408.000.
  - Casey, Donald J.; and Rosati, Louis, 4,882,168, Cl. 424-468.000.
  - Chang, Laurence W.; and Fischer, Robert G., 4,863,636, Cl. 252-542.000.
  - Child, Ralph G.; Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,880,790, Cl. 514-184.000.
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  - Coates, Peter A., 4,832,025, Cl. 128-335.500.
  - Curran, William V.; and Lenhard, Robert H., 4,808,579, Cl. 514-210.000.
  - Dellon, Arnold L.; and Mackinnon, Susan E., 4,870,966, Cl. 128-334.00R.
  - Desai, Narendra R.; Shinal, Edward C.; Ganesan, Madurai; and Carpentier, Eugene A., 4,816,247, Cl. 424-80.000.
  - Doehner, Robert F., Jr., 4,843,162, Cl. 546-170.000.
  - Doehner, Robert F., Jr., 4,861,887, Cl. 546-170.000.
  - Donovan, Stephen F., 4,822,886, Cl. 546-243.000.
  - Donovan, Stephen F., 4,882,080, Cl. 252-117.000.
  - Doxsee, Leigh T.; Evans, Robert E.; and O'Toole, Michael P., 4,866,107, Cl. 523-153.000.
  - Dumican, Barry L.; Kaganov, Alan L.; and Ritter, Thomas A., 4,838,884, Cl. 604-364.000.
  - Dumican, Barry L., 4,871,365, Cl. 623-11.000.
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  - Essenfeld, Amy P., 4,855,520, Cl. 585-409.000.
  - Goidl, Jo A.; and Claus, Thomas H., 4,814,350, Cl. 514-524.000.
  - Guerro, Gerald J.; Henderson, William A., Jr.; and Singh, Balwant, 4,810,296, Cl. 106-90.000.
  - Hiscock, Laura J.; Baretz, Bruce H.; and Webb, Richard L., 4,868,241, Cl. 525-59.000.
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  - Iwaskow, Richard S.; and Crum, Stephen M., 4,882,089, Cl. 428-242.000.
  - Kameswaran, Vekataraman; Wright, Donald P., Jr.; and Herman, Rod A., 4,857,550, Cl. 514-522.000.
  - Kimpara, Masaomi; Kawai, Kaiji; and Tobe, Yukiya, 4,874,425, Cl. 71-121.000.
  - Kirby, Jane P.; Borders, Donald B.; Lee, May D.; Maiese, William M.; Testa, Raymond T.; and Labeda, David P., 4,870,019, Cl. 435-252.100.
  - Klothen, Irving, 4,824,829, Cl. 514-27.000.
  - Kramer, Hildegard M.; and Meriwether, Lewis S., 4,810,810, Cl. 556-175.000.
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  - Lee, Taikwang M.; Goodman, Joseph J.; Greenstein, Michael; and Borders, Donald B., 4,845,037, Cl. 435-252.100.
  - Lee, Ving J.; and Curran, William V., 4,803,280, Cl. 548-127.000.
  - Lewis, Norman J.; and Panzer, Hans P., 4,853,114, Cl. 209-167.000.
  - Lipp, David W.; and Nagaraj, D. R., 4,866,150, Cl. 526-288.000.
  - Lipp, David W.; and Nagaraj, D. R., 4,888,106, Cl. 209-167.000.
  - Los, Marinus, 4,798,619, Cl. 71-66.000.
  - Luh, Yuhshi; and Forgione, Peter S., 4,873,365, Cl. 560-345.000.
  - Lutz, Albert W.; and Rodaway, Shirley J., 4,822,408, Cl. 71-121.000.
  - Luxon, Bruce A., 4,808,481, Cl. 428-407.000.
  - Luxon, Bruce A.; Murthy, Malalur V.; and Panasy, Craig W., 4,818,615, Cl. 428-407.000.
  - Martin, Craig A., 4,810,279, Cl. 71-121.000.
  - Martin, Craig A.; and Johnson, Jerry L., 4,822,405, Cl. 71-92.000.
  - Maulding, Donald R.; and Cevasco, Albert A., 4,814,486, Cl. 560-44.000.
  - Maulding, Donald R., 4,847,405, Cl. 560-44.000.
  - Medwid, Jeffrey B.; and Torley, Lawrence W., 4,808,586, Cl. 514-254.000.
  - Medwid, Jeffrey B.; Torley, Lawrence W.; and Tomcufcik, Andrew S., 4,829,089, Cl. 514-649.000.
  - Meyer, Harry M., Jr.; and Weiss, Martin J., 4,861,579, Cl. 424-1.100.
  - Moore, Sewell T.; and Brevard, William, 4,845,148, Cl. 524-512.000.
  - Moore, Sewell T.; and Brevard, William, 4,880,498, Cl. 162-164.600.
  - Morgan, Leonard J.; and Bell, Mark, 4,871,392, Cl. 71-121.000.
  - Morgan, Leonard J.; and Bell, Mark, 4,875,929, Cl. 71-121.000.
  - Morin, Louis G., 4,852,453, Cl. 89-1.110.
  - Mukherjee, Debi P.; and Feichtinger, Kurt A., 4,808,351, Cl. 264-22.000.
  - Murdock, Keith C.; and Durr, Frederick E., 4,820,738, Cl. 514-656.000.
  - Murdock, Keith C.; and Durr, Frederick E., 4,888,137, Cl. 552-248.000.
  - Neff, Roger E.; and Ryles, Roderick G., 4,861,499, Cl. 252-8.551.
  - Newman, Howard, 4,833,162, Cl. 514-523.000.
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Pasarela, Nunzio R.; and Steller, William S., 4,871,388, Cl. 71-92.000.
Paul, Albert P.; Szarz, Richard A.; and Card, Roger J., 4,814,012, Cl. 106-38.510.
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Toothill, Richard B.; Klothen, Irving; and Schaaf, Mimi Y., 4,816,480, Cl. 514-460.000.
Torley, Lawrence W.; Johnson, Bernard D.; and Dusza, John P., 4,876,252, Cl. 514-224.800.
Tseng, Shin S.; Dusza, John P.; and Epstein, Joseph W., 4,847,256, Cl. 514-258.000.
Tseng, Shin S.; Dusza, John P.; and Epstein, Joseph W., 4,888,345, Cl. 514-258.000.
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Valentine, Donald, Jr., 4,857,655, Cl. 556-70.000.
Valorose, Joseph J., Jr.; Biehl, Raymond J.; Sheth, Nitin V.; Strathy, Walter A.; and Doelling, Michael K., 4,837,030, Cl. 424-456.000.
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Watson, Roger J.; Weis, John W.; and Enquist, Lynn W., 4,818,694, Cl. 435-68.000.
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Wissner, Allan; and Schaub, Robert E., 4,827,011, Cl. 558-169.000.
Wissner, Allan; Sum, Phaik E.; and Schaub, Robert E., 4,883,816, Cl. 514-546.000.
Wood, Irwin B.; and Pankavich, John A., 4,869,901, Cl. 424-115.000.
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Zwick, Maurice M., 4,885,092, Cl. 210-500.410.

American Device Manufacturing Company: *See—*
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American Display Inc.: *See—*
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American Dryer Corporation: *See—*
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American Eagle Fire Apparatus Co., Inc.: *See—*
Lemieux, Michael J., 4,852,937, Cl. 296-183.000.

American Electronic Laboratories, Inc.: *See—*
Even-or, Baruch; and Rauck, Robert L., 4,808,859, Cl. 307-571.000.

American Electronics, Inc.: *See—*
Harris, J. Roy; and Sundstrom, Robert L., 4,816,849, Cl. 354-120.000.
Rose, David W., 4,843,565, Cl. 364-513.000.

American Express Company: *See—*
Thomas, Jerry S., 4,796,292, Cl. 379-91.000.

American Fence Company, Inc.: *See—*
Cano, Renne A.; Boness, Don W.; Major, Robert W.; and Valdez, Gabriel A., 4,887,796, Cl. 256-8.000.
Major, Robert W., 4,844,422, Cl. 256-8.000.

American Filtrona Corporation: *See—*
Berger, Richard M., 4,822,193, Cl. 401-198.000.
Berger, Richard M., 4,869,275, Cl. 131-332.000.
Jaisinghani, Rajan A.; Hamade, Thomas A.; and Hawley, Clyde W., 4,853,005, Cl. 55-132.000.

American Fluoroseal Corporation: *See—*
Soodak, Charles I.; and Ulrich, Robert R., 4,847,462, Cl. 219-121.630.

American Foreign Industries, Inc.: *See—*
Kitchen, John C., 4,825,800, Cl. 116-4.000.

American Fuel Cell and Coated Fabrics Company: *See—*
Schober, Scott D.; and Hawkins, Marty M., 4,865,096, Cl. 383-107.000.

American General Products, Inc.: *See—*
Walters, Jon S.; and Boatwright, Neil, 4,827,899, Cl. 126-41.00R.
Walters, Jon S.; and Boatwright, Neil, 4,836,180, Cl. 126-41.00R.
Walters, Jon S., 4,867,191, Cl. 137-78.100.

American Geodesics, Inc.: *See—*
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American Glass and Metal Corporation: *See—*
Jeschke, Fred G., 4,873,806, Cl. 52-235.000.

American Glass Research, Inc.: *See—*
Rugaber, David A.; and Maxson, Richard N., 4,801,319, C 65-29.000.
Rugaber, David A.; Ortmann, Michael E.; and Thomas, Alan E 4,832,181, Cl. 198-502.300.

American Greetings Corporation: *See—*
Bradley, Sterling E. L.; and Farrow, Jimmy W., 4,867,057, C 101-21.000.
Hardy, Stephen N., 4,796,764, Cl. 211-184.000.
Hodgson, Dale; and Stram, John, 4,841,654, Cl. 40-642.000.
Hougendobler, John, 4,828,133, Cl. 220-22.300.

American Health Products, Inc.: *See—*
Salem, Robert J.; and Holley, George H., 4,889,131, C 128-671.000.

American Hoechst Corporation: *See—*
Caines, R. Scott, 4,810,434, Cl. 264-22.000.
Helsley, Grover C.; McFadden, Arthur R.; and Hoffman, Dav 4,816,591, Cl. 549-354.000.
Jain, Sangya; and Chang, Yuh-Loo, 4,863,827, Cl. 430-145.000.

American Hofmann Corporation: *See—*
Mueller, Richard; and Fietzke, Guenter, 4,820,092, Cl. 409-133.00

American Holographic, Inc.: *See—*
Mikes, Thomas, 4,850,706, Cl. 356-328.000.

American Home Products: *See—*
Katz, Alan H.; and Demerson, Christopher A., 4,822,781, C 514-161.000.
Mobilio, Dominick; and Humber, Leslie G., 4,847,389, C 548-439.000.
Winkley, Michael W.; and Diebold, James L., 4,882,323, C 514-183.000.

American Home Products Corporation: *See—*
Abou-Gharbia, Magid A.; Stack, Gary P.; and Yardley, John 4,797,489, Cl. 544-331.000.
Abou-Gharbia, Magid A.; Yardley, John P.; and Tio, Cesario 4,798,896, Cl. 546-87.000.
Abou-Gharbia, Magid A., 4,804,751, Cl. 540-575.000.
Abou-Gharbia, Magid A., 4,812,567, Cl. 544-230.000.
Abou-Gharbia, Magid A.; Schiehser, Guy A.; and Patel, Usha 4,833,249, Cl. 546-270.000.
Abou-Gharbia, Magid A., 4,837,325, Cl. 544-372.000.
Abou-Gharbia, Magid A., 4,851,533, Cl. 544-405.000.
Abou-Gharbia, Magid A.; and Patel, Usha R., 4,855,430, C 544-373.000.
Abou-Gharbia, Magid A., 4,857,644, Cl. 544-295.000.
Abou-Gharbia, Magid A.; Yardley, John P.; and Childers, Way E., Jr., 4,882,432, Cl. 544-295.000.
Abou-Gharbia, Magid A., 4,883,875, Cl. 546-16.000.
Acree, William M.; Edwards, Bobby; and Black, John 4,824,785, Cl. 435-237.000.
Bauman, John G., 4,866,197, Cl. 560-39.000.
Childers, Wayne E., Jr.; and Abou-Gharbia, Magid A., 4,871, Cl. 544-295.000.
Commons, Thomas J.; Mewshaw, Richard E.; and Strike, Don P., 4,812,583, Cl. 549-292.000.
Dolak, Terence M.; Lee, Sung J.; and Bullington, James 4,853,389, Cl. 514-275.000.
Failli, Amedeo A., 4,822,893, Cl. 548-432.000.
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Ferdinandi, Eckhardt S.; Malamas, Michael S.; Sestanj, Kazi and Sehgal, Surendra N., 4,853,484, Cl. 564-74.000.
Gilman, Steven C.; and Skotnicki, Jerauld S., 4,816,464, C 514-299.000.
Hayward, Marshall; and Schmid, Jean, 4,866,082, Cl. 514-367.0
Hersh, Marvin; and Lentine, Charles W., 4,832,952, C 424-400.000.
Ho, Ying T. R.; and Blank, Robert G., 4,835,188, Cl. 514-570.0
Hsiao, Chu-lai; Mason, Bruce B.; and Davis, Alan R., 4,853,333, C 435-256.000.
Hughes, Philip F.; Mobilio, Dominick; and Humber, Leslie 4,861,910, Cl. 560-126.000.
Hum, Wah-tung; and Lee, Shaw-guang, 4,806,346, Cl. 424-85.0
Husbands, G. E. M.; and Stack, Gary P., 4,826,844, Cl. 514-252.0
Katz, Alan H.; Demerson, Christopher A.; and Humber, Leslie 4,826,994, Cl. 548-342.000.
Katz, Alan H.; and Demerson, Christopher A., 4,855,445, C 548-432.000.
Keeler, John H., 4,888,744, Cl. 367-90.000.
Kees, Kenneth L., 4,845,231, Cl. 548-252.000.
Kim, Dong H., 4,849,420, Cl. 514-214.000.
Kinney, William A.; and Lee, Nancy E., 4,873,238, Cl. 514-727.0
Kinney, William A.; Failli, Amadeo A.; and Mir, Ghulam 4,886,821, Cl. 514-357.000.
Leonard, Thomas W.; Mikula, Karol Kay; and Schlesinger, Mar S., 4,873,266, Cl. 514-653.000.
Leonard, Thomas W.; Mikula, Karol K.; and Schlesinger, Mar S., 4,888,360, Cl. 514-675.000.
Leonard, Thomas W.; Mikula, Karol K.; and Schlesinger, Mar S., 4,888,362, Cl. 514-724.000.
Malis, Michael J., 4,813,425, Cl. 128-642.000.
McAllister, Tom A.; McAllister, John S.; and Bonnar, William 4,821,364, Cl. 15-322.000.
McAllister, Tom A.; McAllister, John S.; and Bonnar, William 4,821,367, Cl. 15-353.000.

McGregor, William H.; and Chang, Joseph Y., 4,824,996, Cl. 560-165.000.
McGregor, William H.; Marshall, Lisa A.; and Musser, John H., 4,845,292, Cl. 564-353.000.
McKittrick, Brian A.; and Katz, Alan H., 4,886,886, Cl. 548-432.000.
Mobilio, Dominick, 4,873,257, Cl. 514-410.000.
Mobilio, Dominick, 4,886,826, Cl. 514-411.000.
Mobilio, Dominick, 4,888,431, Cl. 548-420.000.
Musser, John H.; Bender, Reinhold H. W.; and Kreft, Anthony F., III, 4,826,990, Cl. 548-203.000.
Musser, John H., 4,870,210, Cl. 564-228.000.
Musser, John H.; Kreft, Anthony F., III; and Bender, Reinhold H. W., 4,876,346, Cl. 546-172.000.
Musser, John H., 4,889,935, Cl. 546-176.000.
Pincus, David H., 4,874,695, Cl. 435-19.000.
Rappaport, Ruth, 4,889,808, Cl. 435-240.100.
Reuter, Gerald L.; and Harrison, Maureen M., 4,835,186, Cl. 514-570.000.
Reuter, Gerald L.; and Harrison, Maureen M., 4,835,187, Cl. 514-570.000.
Reynolds, Charles A., 4,825,109, Cl. 307-601.000.
Sabatucci, Joseph P.; Demerson, Christopher A.; and Failli, Amadeo A., 4,810,699, Cl. 514-161.000.
Sestanj, Kazimir; Wrobel, Jay E.; and Kelly, Joseph M., 4,843,062, Cl. 514-4.000.
Shaw, Chia-Cheng; and Pelz, Karel, 4,824,961, Cl. 548-432.000.
Shepherd, Robin G.; Chai, Sie-Yearl; Lichty, Maynard E.; and Milowsky, Arnold S., 4,812,574, Cl. 548-151.000.
Skotnicki, Jerauld S.; and Gilman, Steven C., 4,808,612, Cl. 514-290.000.
Skotnicki, Jerauld S., 4,826,971, Cl. 540-202.000.
Skotnicki, Jerauld S.; and Gilman, Steven C., 4,851,536, Cl. 546-106.000.
Stack, Gary P.; Golobish, Thomas D.; and Abou-Gharbia, Magid A., 4,797,488, Cl. 544-295.000.
Stack, Gary P., 4,824,999, Cl. 562-498.000.
Stack, Gary P.; and Podlesny, Edward J., 4,845,221, Cl. 544-295.000.
Surendra, Sehgal N.; and Vezina, Claude, 4,885,171, Cl. 424-122.000.
Sutherland, Stephen F., 4,850,970, Cl. 604-117.000.
Weierstall, Richard P.; Enever, Robin P.; Brunelle, Kathleen L.; Thone, Gerard F.; and Warner, Ronald N., 4,861,591, Cl. 424-690.000.
Winkley, Michael W.; and Diebold, James L., 4,801,706, Cl. 540-554.000.
Wrobel, Jay E.; and Sestanj, Kazimir, 4,820,727, Cl. 514-510.000.
Wrobel, Jay E.; and Sestanj, Kazimir, 4,853,412, Cl. 514-510.000.

American Home Products Corporation (Del.): *See—*
Leonard, Thomas W.; Enever, Robin P.; and Mikula, Karol K., 4,820,525, Cl. 424-486.000.
Miller, Ronald W.; and Sutton, Raymond W., 4,857,337, Cl. 424-480.000.
Mir, Ghulam N.; Borella, Luis E.; DiJoseph, John F.; and Reuter, Gerald L., 4,857,324, Cl. 424-690.000.
Ulbrich, Paul, 4,836,208, Cl. 128-642.000.

American Hospital Supply Corporation: *See—*
Gordon, Mark G.; Rubalcaba, Bernadino, Jr.; and Jackman, Jerry L., 4,869,646, Cl. 417-18.000.
Webler, William E., 4,796,640, Cl. 128-736.000.
Zwirkoski, Lori J., 4,796,633, Cl. 128-634.000.

American Hydrostatics Manufacturing Inc.: *See—*
DelProposto, Joseph; and Beleski, Donald R., 4,827,830, Cl. 91-19.000.

American Hydrotherm Corp.: *See—*
Bruhn, Alfred, 4,844,020, Cl. 122-7.00R.

American Laser Corporation: *See—*
Chaffee, Edwin G., 4,803,697, Cl. 372-107.000.

American Laundry Machinery, Inc.: *See—*
Oberley, Gene L., 4,843,745, Cl. 38-34.000.

American Locker Group Incorporated: *See—*
Barth, Douglas A., 4,844,228, Cl. 194-290.000.
Barth, Douglas A., 4,865,248, Cl. 232-24.000.
Norton, Allen R., 4,881,653, Cl. 220-22.300.

American Louver Company: *See—*
Glass, Walter, 4,821,160, Cl. 362-354.000.

American Magnetics Corporation: *See—*
Baus, Rene, Jr., 4,797,767, Cl. 360-121.000.
Baus, Rene, Jr., 4,864,717, Cl. 29-603.000.
Haun, Marion W., 4,843,220, Cl. 235-380.000.

American Maize-Products Company: *See—*
Ammeraal, Robert N.; Hedges, Allan R.; and Gottneid, David J., 4,840,679, Cl. 127-40.000.
Beesley, Thomas E., 4,808,232, Cl. 127-46.300.
Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., 4,798,735, Cl. 426-578.000.
Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., 4,801,470, Cl. 426-578.000.

American Maplan Corporation: *See—*
Da Silva, Flavio R.; Spence, Steven E.; and Shamet, Robert F., 4,867,669, Cl. 425-326.100.
Gearhart, Kenton, 4,856,975, Cl. 425-131.100.
Gearhart, Kenton, 4,874,306, Cl. 425-192.00R.
Spence, Steven E.; Shamet, Robert F.; Da Silva, Flavio; and Eigruber, Horst, 4,846,648, Cl. 425-133.100.

American Matrix, Inc.: *See—*
Nixdorf, Richard D.; and Rawlins, Mary H., 4,888,084, Cl. 156-600.000.
Weaver, Samuel C.; and Nixdorf, Richard D., 4,873,069, Cl. 423-345.000.

American Medical Products, Inc.: *See—*
Bianch, G. Marsden, 4,876,110, Cl. 427-2.000.

American Medical Systems, Inc.: *See—*
Levius, Dezso K., 4,807,608, Cl. 128-79.000.
Levius, Dezso K., 4,875,472, Cl. 128-79.000.
Polyak, Mark, 4,865,030, Cl. 128-321.000.
Polyak, Mark, 4,878,889, Cl. 600-31.000.

American Mediscan, Inc.: *See—*
Juncosa, Robert D., 4,862,092, Cl. 324-450.000.

American Meter Company: *See—*
Capriotti, Roberto; and Schneider, George W., Jr., 4,848,148, Cl. 73-262.000.

American Microsystems, Inc.: *See—*
Haque, Yusue A., 4,853,759, Cl. 357-51.000.
Klosterboer, Robert A., 4,807,972, Cl. 350-331.00T.

American Monitor Corporation: *See—*
Starr, Maurice, 4,818,706, Cl. 436-180.000.

American Monitoring Systems, Inc.: *See—*
Stillwell, James T., 4,887,291, Cl. 379-39.000.

American Motors Corporation: *See—*
DeRees, Delbert D., 4,848,835, Cl. 296-204.000.
DeRees, Delbert D., 4,852,426, Cl. 74-607.000.

American Multi-Cinema, Inc.: *See—*
Young, John R.; and Jacobson, Larry L., 4,863,134, Cl. 248-311.200.

American National Can Company: *See—*
Alderman, George W., 4,873,432, Cl. 250-227.000.
Curie, Kevin J.; and Jesse, Jerry F., 4,862,675, Cl. 53-440.000.
Farrell, Christopher J.; Tsai, Boh C.; and Wachtel, James A., 4,816,342, Cl. 428-475.500.
Hsu, Joseph C.; and Steen, Robert A., 4,812,319, Cl. 426-127.000.
Hsu, Joseph C.; and Guckenberger, Anthony C., 4,881,649, Cl. 206-634.000.
La Croce, Leonard T., 4,826,037, Cl. 220-273.000.
McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.
Mikas, Raymond; Szczerba, Robert M.; and Pulciani, Sam C., 4,852,377, Cl. 72-349.000.
Ossian, William F., 4,818,592, Cl. 428-216.000.
Raniere, Jean E.; Smith, Steven L.; Gehrke, Russell P.; and Johnson, Richard E., Jr., 4,803,102, Cl. 428-35.200.
Sauer, Donald G., 4,797,244, Cl. 264-266.000.
Schroeder, George O.; Newsome, David L.; and Haffner, William B., 4,828,915, Cl. 428-332.000.
Shepard, Mary E.; Galloway, Deane E.; and Lind, Keith D., 4,877,684, Cl. 428-475.800.
Webster, Charles; and John, Christian J., 4,878,589, Cl. 215-252.000.
Webster, Charles A.; and John, Christian J., 4,881,892, Cl. 425-577.000.
Wilkinson, Harlen E.; and Langseder, Neal E., 4,809,861, Cl. 220-66.000.

American National Carbide Company: *See—*
Stroud, Donald S., 4,854,405, Cl. 175-374.000.

American-National Watermattress Corporation: *See—*
Goodale, Clark W., 4,794,658, Cl. 5-448.000.
Goodale, Clarke W., 4,799,277, Cl. 5-451.000.
Woll, William J.; and Miller, Craig S., 4,864,670, Cl. 5-450.000.

American Natural Sound Company: *See—*
Myers, Peter H., 4,817,149, Cl. 381-1.000.

American Optical Corporation: *See—*
Desy, Raoul O.; and Krusas, James J., 4,856,109, Cl. 2-9.000.
Grendol, Clark L.; and Philla, Arlene J., 4,810,080, Cl. 351-41.000.
Grendol, Clark L., 4,848,893, Cl. 351-138.000.
Lummis, David J.; and Masso, Jon D., 4,872,749, Cl. 351-44.000.
Salce, Arthur J., 4,832,478, Cl. 351-121.000.
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American & Overseas Corporation: *See—*
Tamblyn, Charles C.; and Forde, Philip L., 4,889,381, Cl. 296-98.000.

American Ozone Technology, Inc.: *See—*
Jensen, Craig J.; and Heyroth, Herbert, 4,816,229, Cl. 422-186.200.

American Packaging Corporation: *See—*
Petzelt, George D., 4,838,424, Cl. 206-459.000.

American Precision Industries Inc.: *See—*
McElheny, Donald C.; Ponivas, Dale A.; Syracuse, David A.; Chandler, Stephen H.; and Nareau, Robert H., 4,801,912, Cl. 336-84.00M.

American Recreation Products, Inc.: *See—*
Cantwell, Robert R.; and Scherer, Michael J., 4,827,958, Cl. 135-104.000.
Cantwell, Robert R.; Hallemann, Raymond F.; and Zumsteg, Deborah M., 4,877,044, Cl. 135-104.000.
Scherer, Michael J., 4,842,173, Cl. 224-210.000.
Scherer, Michael J., 4,884,303, Cl. 5-413.000.

American Safety Closure Corp.: *See—*
Conti, Vincent N., 4,806,301, Cl. 264-334.000.

American Safety Products: *See—*
Wyatt, Donald H., 4,854,388, Cl. 169-26.000.

American Safety Razor Company: *See*—
  Iten, Clemens A., 4,833,779, Cl. 30-47.000.
  Iten, Clemens A., 4,858,323, Cl. 30-346.600.
  Prochaska, Frank H., 4,823,457, Cl. 29-509.000.
American Saw & MFG. Company: *See*—
  Korb, William B.; and Koetsch, Paul W., 4,813,144, Cl. 30-90.300.
American Science and Engineering, Inc.: *See*—
  Annis, Martin; and Bjorkholm, Paul J., 4,799,247, Cl. 378-87.000.
  Annis, Martin, 4,809,312, Cl. 378-146.000.
  Annis, Martin; and Bjorkholm, Paul, 4,819,256, Cl. 378-87.000.
  Annis, Martin; Johnson, Michael; and Mastronardi, Richard, 4,825,454, Cl. 378-87.000.
  Annis, Martin; and Bjorkholm, Paul, 4,839,913, Cl. 378-44.000.
  Bjorkholm, Paul J., 4,807,637, Cl. 128-664.000.
  Burstein, Paul; and Krieger, Allen, 4,845,769, Cl. 378-58.000.
American Screen Printing Company: *See*—
  Bourgeois, Robert A.; Motev, Phil; and Schmetter, Ronald M., 4,839,522, Cl. 250-455.100.
American Screen Printing Equipment Company: *See*—
  Bubley, Henry J., 4,841,854, Cl. 101-123.000.
  Bubley, Henry J., 4,879,948, Cl. 101-114.000.
  Green, Melvin F.; and Motev, Efim, 4,856,428, Cl. 101-475.000.
  Motev, Phil, 4,862,798, Cl. 101-40.100.
American Seating Company: *See*—
  Acton, Hugh C.; and Walworth, Robert S., 4,861,108, Cl. 297-445.000.
  Chadwick, Donald T.; and Glass, Peter R., 4,889,385, Cl. 297-302.000.
American Sigma, Inc.: *See*—
  Dickinson, William D.; and Mirand, James, 4,869,371, Cl. 206-577.000.
American Sign & Indicator Corporation: *See*—
  Britt, Ira, 4,843,527, Cl. 362-231.000.
American Stamp, Inc.: *See*—
  Brewen, Ronnie M.; and Lloyd, David A., 4,872,706, Cl. 283-81.000.
American Standard Inc.: *See*—
  Beasley, John A., 4,877,014, Cl. 126-116.00R.
  Bergmann, Konrad, 4,796,666, Cl. 137-625.170.
  Bergmann, Konrad, 4,842,191, Cl. 236-12.120.
  Bergmann, Konrad, 4,889,157, Cl. 137-454.500.
  Brandt, George W., 4,811,757, Cl. 137-514.500.
  Burkard, Bernhard, 4,794,952, Cl. 137-597.000.
  Davis, James A., 4,843,839, Cl. 62-326.000.
  Eber, David H.; Kotlarek, Peter A.; and Okoren, Ronald W., 4,820,130, Cl. 417-32.000.
  Eber, David H.; and Ring, H. Kenneth, 4,884,590, Cl. 137-1.000.
  Fourie, Eugene; and Rumsey, Steven C., 4,802,559, Cl. 188-196.00A.
  Fung, Kwok K., 4,840,040, Cl. 62-255.000.
  Gaughan, Edward W.; and Hill, Theodore B., 4,819,993, Cl. 303-38.000.
  Graefe, Peter U.; and Kuszaj, Karl T., 4,844,944, Cl. 428-357.000.
  Graefe, Peter U.; and Kuszaj, Karl T., 4,844,955, Cl. 428-420.000.
  Hart, James E.; Allan, Earl E.; and Kyllonen, Allen W., 4,830,148, Cl. 188-52.000.
  Hart, James E.; and Gaughan, Edward W., 4,830,438, Cl. 303-38.000.
  Hart, James E.; Gaughan, Edward W.; and Hill, Theodore B., 4,850,654, Cl. 303-33.000.
  Hart, James E.; and Gaughan, Edward W., 4,875,739, Cl. 303-33.000.
  Hart, Thomas G.; Ohaus, Karl G.; Nickerson, Earl W.; and Meisner, David J., 4,819,909, Cl. 251-48.000.
  Helt, Robert W.; and Neal, John D., 4,850,198, Cl. 62-93.000.
  Johnson, Tedd P.; and Lievens, Ronald J., 4,830,274, Cl. 236-1.00B.
  Kotlarek, Peter A.; and Riffe, Delmar R., 4,867,657, Cl. 418-55.000.
  Kurokawa, Masayuki, 4,875,958, Cl. 156-108.000.
  Lin, Chih M., 4,842,491, Cl. 417-312.000.
  Link, Charles T.; Gray, Bennie M.; and Shumaker, Harold L., 4,867,279, Cl. 188-62.000.
  Loonam, Peter A., 4,809,419, Cl. 29-402.040.
  Moilanen, John R., 4,840,545, Cl. 417-301.000.
  Murdoch, Ian S., 4,879,858, Cl. 52-741.000.
  Newton, Earl W., 4,800,732, Cl. 62-236.000.
  Nurczyk, Mark E.; and Johnson, Tedd P., 4,838,483, Cl. 236-49.500.
  Rogers, Larry K., 4,802,402, Cl. 91-268.000.
  Rumsey, Steven C., 4,830,437, Cl. 303-18.000.
  Sand, James R.; and Wendschlag, James C., 4,829,786, Cl. 62-468.000.
  Scott, Daniel G.; and Hill, Theodore B., 4,887,516, Cl. 92-98.00D.
  Sulfstede, Louis E.; Helt, Robert W.; and Jensen, Thomas E., 4,856,286, Cl. 62-89.000.
  VerShaw, James T.; and Beasley, John A., 4,830,600, Cl. 431-8.000.
  Wagner, Daniel G., 4,836,093, Cl. 92-160.000.
  Weiss, Bruce W.; and Dickey, Alan, 4,834,173, Cl. 165-159.000.
  Wendschlag, James C.; and Larson, James W., 4,832,068, Cl. 62-197.000.
  Wood, Tony J., 4,838,037, Cl. 62-225.000.
  York, John D.; Peppard, Edward M.; and Haugen, Bruce A., 4,835,828, Cl. 29-157.30C.
American Sterilizer Company: *See*—
  Bohusch, Glen D.; Hall, George D.; and Shostek, Edward M., 4,833,972, Cl. 91-465.000.
  Brendgord, Thomas; Sanders, Ward L.; and Coon, Dennis C., 4,872,656, Cl. 269-322.000.
  Childers, Robert W.; Cook, Thomas G.; Karle, David A.; Krah Ronald P.; Sparber, George E.; and Yeaney, Gerald L 4,808,377, Cl. 422-26.000.
  Cummings, Arthur L., 4,843,867, Cl. 73-23.000.
  Dyke, Denis G., 4,874,090, Cl. 206-439.000.
  Hall, George D., 4,865,303, Cl. 269-325.000.
  Schmidt, William C.; and Rickloff, James R., 4,863,688, C 422-28.000.
  Welsh, Jon D.; and Dyke, Denis G., 4,839,291, Cl. 435-296.000.
American Studio Equipment: *See*—
  Garrett, Philip D.; Snoke, Lance A.; Bondly, James; and Born James C., 4,867,416, Cl. 254-2.00R.
American Suessen Corporation: *See*—
  Stahlecker, Peter, 4,817,815, Cl. 220-209.000.
American Tech Manufacturing Corp.: *See*—
  Linker, Frank V.; and Linker, Frank V., Jr., 4,874,075, C 193-39.000.
American Technical Ceramics Corporation: *See*—
  Insetta, Victor; and Davis, Donald J., Jr., 4,856,102, C 361-330.000.
American Technology, Inc.: *See*—
  Coto, Guillermo; Welter, Curtis L.; and Patrikios, Micha 4,817,814, Cl. 228-110.000.
  Patrikios, Michael J., 4,852,788, Cl. 228-110.000.
  Welter, Curtis; Coto, Guillermo; Patrikios, Michael; and Hawkin Rodney H., 4,799,614, Cl. 228-1.100.
  Welter, Curtis; Coto, Guillermo; Patrikios, Michael; and Hawkin Rodney, 4,867,370, Cl. 228-110.000.
American Telephone and Telegraph Company: *See*—
  Ackroff, John M.; Heffler, Michael J.; and Mitchell, John C 4,800,485, Cl. 364-200.000.
  Adl, Ali, 4,834,479, Cl. 350-96.200.
  Alferness, Rodney C.; and Wood, Thomas H., 4,883,335, C 350-96.150.
  Amir, Israel; Balchunas, William C.; and Higgins, Frank P 4,811,410, Cl. 382-8.000.
  Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,816,653, C 235-380.000.
  Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,816,654, C 235-380.000.
  Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,882,474, C 235-380.000.
  Ashenfelter, Robert C.; Bonomi, Marco J.; and Bowker, Duane O 4,864,561, Cl. 370-81.000.
  Astmann, Robert H., 4,853,956, Cl. 379-269.000.
  Bar-Joseph, Israel; Chemla, Daniel S.; and Miller, David A. B 4,822,992, Cl. 250-211.00J.
  Baranyai, Lawrence; and Scordo, Dominick, 4,873,663, C 365-73.000.
  Baylock, Gerald A., 4,815,041, Cl. 365-233.000.
  Bentley, Jon L.; Sleator, Daniel D. K.; and Tarjan, Robert E 4,796,003, Cl. 341-95.000.
  Benvenuto, Nevio, 4,815,136, Cl. 381-43.000.
  Benvenuto, Nevio, 4,815,137, Cl. 381-43.000.
  Berkowitz, Frederick J.; and Brown, Sanford S., 4,811,280, C 364-900.000.
  Bernstein, Howard L.; Grill, Thomas M.; and Silver, Rona 4,795,898, Cl. 235-487.000.
  Bernstein, Howard L.; Grill, Thomas M.; and Silver, Rona 4,798,322, Cl. 235-487.000.
  Bina, Dale C., 4,861,277, Cl. 439-377.000.
  Bishop, Thomas P.; Davis, Mark H.; Fish, Robert W.; Peters James S.; and Surratt, Grover T., 4,811,216, Cl. 364-200.00
  Bishop, Thomas P.; Fish, Robert W.; Peterson, James S.; a Tuvell, Walter E., Jr., 4,849,877, Cl. 364-200.000.
  Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwar Thomas A.; and Townsend, Wesley P., 4,816,811, C 340-712.000.
  Bohannon, Harold L., 4,845,748, Cl. 379-368.000.
  Bose, Chinmoy B., 4,876,457, Cl. 250-563.000.
  Bowker, Duane O.; Giuliani, Adrian A.; and Jones, David F 4,797,915, Cl. 379-216.000.
  Bruning, John H., 4,883,352, Cl. 353-122.000.
  Burke, Edmund T.; Dawdy, Daniel H.; and Rubert, Timothy K 4,879,743, Cl. 379-142.000.
  Chamzas, Christodoulos; and Duttweiler, Donald L., 4,870,497, C 358-426.000.
  Chamzas, Christodoulos, 4,873,577, Cl. 358-426.000.
  Chan, Kenneth K.; Hartmann, Philip W.; Lamons, Scott P.; Lyon Terry G.; and Milonas, Argyrios C., 4,823,338, Cl. 370-85.00
  Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Mauree Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexand M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, Willi T., 4,824,796, Cl. 437-57.000.
  Choi, DooWhan, 4,847,875, Cl. 375-112.000.
  Cohen, Roberta S.; Huber, Kenneth M.; Mills, Deborah J.; Drap Myron E.; and Osterweil, Janis R., 4,837,798, Cl. 379-88.000
  Coyle, Richard J., Jr.; and Mracek, Jaroslav, 4,859,827, C 219-121.640.
  Csuri, John O.; DeSiena, Bernard A.; Johnson, Chris G.; a Kisenwether, David L., 4,795,119, Cl. 248-222.200.
  Cubbison, Richard J., Jr., 4,849,851, Cl. 361-212.000.
  Cubbison, Richard J., Jr., 4,862,315, Cl. 361-212.000.
  Cupo, Robert L., 4,800,573, Cl. 375-14.000.
  Cupo, Robert L.; and Farrow, Cecil W., 4,815,103, Cl. 375-14.0
  Cupo, Robert L.; and Farrow, Cecil W., 4,843,581, Cl. 364-724.

  Cupo, Robert L., 4,847,864, Cl. 375-14.000.
  Darcie, Thomas E.; and Saleh, Adel A. M., 4,842,368, Cl. 350-96.150.
  De Burro, Agostino L., 4,824,377, Cl. 439-186.000.
  Debus, Walter, Jr.; and Stenger, Gerhard W., 4,831,382, Cl. 341-200.000.
  Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,820,192, Cl. 439-404.000.
  Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,865,564, Cl. 439-404.000.
  Dentai, Andrew G.; Joyner, Charles H., Jr.; Weidman, Timothy W.; and Zilko, John L., 4,830,982, Cl. 437-094.000.
  Douskalis, William, 4,855,996, Cl. 370-84.000.
  Douskalis, William, 4,885,741, Cl. 370-67.000.
  Easter, William G.; and Leffel, Daniel D., 4,820,653, Cl. 437-62.000.
  Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Poe, Robert P., Jr.; and Steece, William H., 4,831,696, Cl. 29-33.00M.
  Embree, David M.; and Logan, Shawn M., 4,887,053, Cl. 331-116.0FE.
  Erving, Richard H., 4,887,288, Cl. 379-6.000.
  Esposito, Daniel, 4,821,185, Cl. 364-200.000.
  Farrow, Cecil W.; Keasler, William E., Jr.; Maruscsak, Joseph; and Shaw, David G., 4,825,459, Cl. 379-3.000.
  Farrow, Cecil W., 4,866,647, Cl. 364-724.100.
  Fatehi, Mohammad T., 4,878,726, Cl. 350-96.150.
  Fisher, John R.; Guth, Leslie A.; and Mahler, James A., 4,821,948, Cl. 228-223.000.
  Follett, David R.; and Sobin, David L., 4,870,637, Cl. 370-4.000.
  Follett, David R.; and Levy, Michael P., 4,872,163, Cl. 370-94.100.
  Fuller, Richard C.; Gentles, Thomas A.; and Lewandowski, Mark, 4,870,675, Cl. 379-5.000.
  Gauss, Edward J., 4,880,202, Cl. 248-676.000.
  Glessner, Charles W.; and Keenan, Paul A., 4,815,779, Cl. 294-64.100.
  Golden, Glenn D., 4,868,824, Cl. 371-53.000.
  Golden, Glenn D., 4,885,749, Cl. 371-32.000.
  Goodfellow, Douglas J.; and Utberg, Daniel N., 4,866,510, Cl. 358-13.000.
  Gotfryd, Casimer; Kay, Stephen L.; Klotz, Hartland P.; and Wentzel, Robert M., 4,859,820, Cl. 200-408.000.
  Graczyk, James F.; Ludwick, John J.; and Parsons, Edward S., 4,821,286, Cl. 375-4.000.
  Halemane, Thirumala R.; and Korotky, Steven K., 4,877,952, Cl. 250-213.00A.
  Hanna, Janice G.; Huizinga, Donald D.; Rulon, James M.; and Weise, Wayne A., 4,870,679, Cl. 379-114.000.
  Harvey, George T., 4,835,078, Cl. 430-22.000.
  Hechtman, Charles D.; and Kim, Ilyoung, 4,795,920, Cl. 307-270.000.
  Heinzelmann, Karl A., 4,866,758, Cl. 379-94.000.
  Hsue, Ching-Wen, 4,877,971, Cl. 307-11.000.
  Hwang, InSeok S., 4,858,168, Cl. 364-787.000.
  Jampathom, Sompoppol; and Nehring, Otto, 4,846,032, Cl. 83-51.000.
  Jensen, Craig W.; Keller, Frederick R.; Morrow, Joel I.; and Roth, Eric A., 4,821,179, Cl. 364-200.000.
  Korotky, Steven K., 4,865,408, Cl. 350-96.130.
  Lange, Michael D.; Smith, Nicholas K.; and Willems, Carl, 4,802,199, Cl. 379-221.000.
  Lawrence, Victor B.; and Lee, Edward A., 4,831,637, Cl. 375-118.000.
  Lee, Ting-Ann, deceased; and Calderbank, Arthur R., 4,831,635, Cl. 375-19.000.
  Lee, Wha-Joon, 4,841,500, Cl. 368-120.000.
  Mahajan, Om P., 4,864,612, Cl. 380-2.000.
  Mahmoud, M. Fatein, 4,882,743, Cl. 379-53.000.
  Marino, Patrick J.; and Netravali, Arun N., 4,850,007, Cl. 379-67.000.
  McGann, William E.; and Todd, John R., 4,868,889, Cl. 455-126.000.
  Means, Donald R., 4,847,897, Cl. 379-390.000.
  Mendenko, Barry J.; and Nyman, Bruce M., 4,849,645, Cl. 250-563.000.
  Miller, David A. B., 4,884,119, Cl. 357-58.000.
  Miller, Timothy C., 4,885,219, Cl. 429-99.000.
  Muhlberger, Michael A.; and Rapp, Willard E., 4,878,295, Cl. 29-863.000.
  Murr, Michael R.; Rajasekera, Jay R.; and Vrieland, Bruce C., 4,798,641, Cl. 156-158.000.
  Oye, Kevin J.; Paterno, Enzo; and Smith, Thomas L., 4,805,094, Cl. 364-200.000.
  Oye, Kevin J.; Paterno, Enzo; and Smith, Thomas L., 4,817,086, Cl. 370-85.000.
  Picone, Joseph; and Prezas, Dimitrios, 4,879,748, Cl. 381-49.000.
  Pope, Kevin T.; and Trimble, David C., 4,797,877, Cl. 370-62.000.
  Presby, Herman M., 4,820,321, Cl. 65-2.000.
  Prezas, Dimitrios P.; and Thomson, David L., 4,890,328, Cl. 381-38.000.
  Rapp, Willard E., 4,817,279, Cl. 29-845.000.
  Russell, Thomas L., Jr., 4,890,322, Cl. 380-20.000.
  Saltzberg, Burton R., 4,881,059, Cl. 341-70.000.
  Sarath, Alan, 4,860,163, Cl. 361-384.000.
  Sepe, Edmund N., 4,822,956, Cl. 174-103.000.
  Smith, Douglas C., 4,879,507, Cl. 324-57.00N.
  Smith, James W., 4,850,036, Cl. 455-179.000.
  Smith, James W., 4,872,205, Cl. 455-58.000.
  Stohs, Norbert E., 4,890,271, Cl. 369-24.000.
  Stone, Julian, 4,830,451, Cl. 350-96.150.
  Stone, Julian; and Stulz, Lawrence W., 4,861,136, Cl. 350-96.300.
  Szeto, Rickens T.; and Woodland, Harold K., 4,837,807, Cl. 379-96.000.
  Taska, John L., 4,856,091, Cl. 455-607.000.
  Tsai, Sheng J., 4,800,301, Cl. 307-362.000.
  Wolfe, Raymond, 4,886,332, Cl. 350-96.120.
  Wong, Ching P., 4,810,768, Cl. 528-21.000.
  Wong, Ching P., 4,888,226, Cl. 428-76.000.
  Ziger, David H., 4,814,243, Cl. 430-30.000.
American Telephone and Telegraph Company, AT&T Bell Laboratories: *See*—
  Ar'sen, Duane R.; Jain, Sunil K.; and Stroud, Charles E., 4,872,168, Cl. 371-21.300.
  Aberson, James A., Jr.; DeVeau, George F.; and Yasinski, Kenneth M., 4,880,291, Cl. 350-96.210.
  Ackenhusen, John G., 4,847,906, Cl. 381-41.000.
  Adl, Ali, 4,834,479, Cl. 350-96.200.
  Agrawal, Rakesh; and Ezzat, Ahmed K., 4,800,488, Cl. 364-200.000.
  Agrawal, Rakesh; and Ezzat, Ahmed K., 4,825,354, Cl. 364-200.000.
  Alameel, George M.; and Petrunia, Alexander, 4,861,134, Cl. 350-96.200.
  Alameel, George M.; and Hammond, Rodney W., 4,881,792, Cl. 350-96.200.
  Alexander, Frank B., Jr.; Foo, Pang-Dow; and Schutz, Ronald J., 4,871,420, Cl. 156-643.000.
  Alferness, Rodney C., 4,826,282, Cl. 350-96.120.
  Alferness, Rodney C.; Henry, Charles H.; Kazarinov, Rudolf F.; Olsson, Nils A.; and Orlowsky, Kenneth J., 4,852,960, Cl. 350-96.190.
  Alferness, Rodney C.; and Wood, Thomas H., 4,883,335, Cl. 350-96.150.
  Amitay, Noach, 4,807,222, Cl. 370-85.000.
  Anderson, Jerry M.; Cannon, Thomas C., Jr.; and Darden, Bruce V., 4,863,235, Cl. 350-96.210.
  Andrejco, Matthew J.; and MacChesney, John B., 4,812,153, Cl. 65-3.120.
  Antreasyan, Arsam; Garbinski, Paul A.; Mattera, Vincent D., Jr.; and Temkin, Henryk, 4,873,558, Cl. 357-23.200.
  Ardon, Menachem T.; and Sassano, John P., 4,805,166, Cl. 370-54.000.
  Ardon, Menachem T.; and Sassano, John P., 4,866,708, Cl. 370-95.100.
  Argade, Pramod V.; and Gupta, Arupratan, 4,806,801, Cl. 307-475.000.
  Arnold, Richard M.; Baker, Paul A.; Drucker, Coleen A.; Gashler, Robert J.; Lipari, Dominic T.; Robin, Max S.; and Schell, Howard C., 4,806,107, Cl. 439-79.000.
  Arroyo, Candido J.; and Ellis, Benjamin C., 4,807,962, Cl. 350-96.230.
  Arroyo, Candido J.; Debban, Harold P., Jr.; and Paucke, Walter J., 4,815,813, Cl. 350-96.230.
  Arroyo, Candido J., 4,818,060, Cl. 350-96.230.
  Arroyo, Candido J., 4,867,526, Cl. 350-96.230.
  Arroyo, Candido J.; and Patel, Parbhubhai D., 4,874,219, Cl. 350-96.230.
  Asbell, Walter E.; and Thieken, Michael L., 4,812,794, Cl. 335-151.000.
  Ashenfelter, Robert C.; Bonomi, Marco J.; and Bowker, Duane O., 4,864,561, Cl. 370-81.000.
  Atal, Bishnu S.; and Trancoso, Isabel M. M., 4,827,517, Cl. 381-41.000.
  Bagley, Brian G.; Kurkjian, Charles R.; and Quinn, William E., 4,835,057, Cl. 428-391.000.
  Bar-Joseph, Israel; Chemla, Daniel S.; and Miller, David A. B., 4,822,992, Cl. 250-211.00J.
  Baranyai, Lawrence; and Scordo, Dominick, 4,873,663, Cl. 365-73.000.
  Barber, Frank E.; and Shoji, Masakazu, 4,849,751, Cl. 340-825.020.
  Barns, Robert L.; Chandross, Edwin A.; and Nagel, Suzanne R., 4,842,626, Cl. 65-2.000.
  Barwick, Morris L.; and Praught, Ronald B., 4,798,923, Cl. 200-50.00R.
  Basarath, Brian A.; Ebert, Harry K., Jr.; and Menkes, Henry E., 4,845,637, Cl. 364-492.000.
  Baumgart, Jerry W.; D'Annessa, Anthony T.; Geyling, Franz T.; Flegal, William M.; and Miller, Thomas J., 4,820,322, Cl. 65-3.110.
  Baun, Philip J., Jr.; Carriere, Joseph F.; Eng, Stephen K.; Landry, Joseph E.; Lee, Jonghee; Nolan, Thomas M.; and Rhodes, David C., 4,849,977, Cl. 371-49.000.
  Baylock, Gerald A., 4,815,041, Cl. 365-233.000.
  Bean, John C.; Feldman, Leonard C.; and Fiory, Anthony T., 4,861,393, Cl. 148-33.400.
  Bean, John C.; and Ourmazd, Abbas, 4,879,256, Cl. 437-131.000.
  Ben-Arieh, David; Fritsch, Charles A.; Mandel, Kostia; Starzinski, Albert F.; and Venugopal, Raghunath, 4,807,108, Cl. 364-148.000.
  Benvenuto, Nevio, 4,815,136, Cl. 381-43.000.
  Benvenuto, Nevio, 4,815,137, Cl. 381-43.000.
  Bergmann, Ernest E.; and Staves, Sherre M., 4,821,297, Cl. 375-120.000.

Berkowitz, Frederick J.; and Brown, Sanford S., 4,811,280, Cl. 364-900.000.
Berkstresser, George W.; and Shmulovich, Joseph, 4,807,241, Cl. 372-80.000.
Berkstresser, George W.; and Brandle, Charles D., Jr., 4,835,437, Cl. 313-468.000.
Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, 4,795,898, Cl. 235-487.000.
Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, 4,798,322, Cl. 235-487.000.
Binkerd, Mark S.; Buss, Christine M.; Gawrys, George W.; and Stone, Roger E., 4,827,500, Cl. 379-88.000.
Bishop, Thomas P.; Butvila, Jonas; Fitch, David J.; Hansen, Robert C.; Schmitt, David A.; and Surratt, Grover T., 4,823,256, Cl. 364-200.000.
Blonder, Greg E., 4,810,557, Cl. 428-156.000.
Blonder, Greg E., 4,828,358, Cl. 350-96.150.
Blyler, Lee L., Jr.; Cohen, Leonard G.; Lieberman, Robert A.; and MacChesney, John B., 4,834,496, Cl. 350-96.290.
Bobeck, Andrew H.; Harriott, Lloyd R.; Hartman, Robert L.; Kaplan, Daniel R.; Przybylek, George J.; and Tabor, William J., 4,870,649, Cl. 372-19.000.
Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwartz, Thomas A.; and Townsend, Wesley P., 4,816,811, Cl. 340-712.000.
Bonanni, Rocco, 4,818,058, Cl. 350-96.200.
Bowers, Thomas E.; Frey, Alan E.; Kerr, Howard A.; Russell, Larry A.; and Stone, Roger E., 4,885,738, Cl. 370-58.100.
Brady, Patrick K., 4,873,716, Cl. 379-134.000.
Brandle, Charles D., Jr.; Fratello, Vincent J.; and Valentino, Alejandro J., 4,802,180, Cl. 372-41.000.
Brenner, Karl-Heinz; and Huang, Alan, 4,842,370, Cl. 350-321.000.
Bronson, Edward C.; Hartwell, Walter T.; Kleijn, Willem B.; and Prezas, Dimitrios P., 4,797,926, Cl. 381-36.000.
Brown, David B.; and Wallace, Richard E., 4,860,284, Cl. 370-88.000.
Buck, Robert J.; Walk, Ralph; and Zaveri, Pradhuman S., 4,849,874, Cl. 363-91.000.
Budrikis, Zigmantas L.; and Netravali, Arun N., 4,796,020, Cl. 340-728.000.
Burns, Matthew J., 4,796,996, Cl. 356-372.000.
Capasso, Federico; French, Harry T.; Gossard, Arthur C.; Hutchinson, Albert L.; Kiehl, Richard A.; and Sen, Sustana, 4,849,799, Cl. 357-34.000.
Capasso, Federico; Cho, Alfred Y.; and Sen, Susanta, 4,853,753, Cl. 357-4.000.
Carlisle, Arthur W.; Darden, Bruce V.; and Myers, Clyde J., 4,812,009, Cl. 350-96.210.
Cash, Glenn L.; Hatamian, Mehdi; and Ligtenberg, Adrianus, 4,887,233, Cl. 364-757.000.
Cava, Robert J.; and Sunshine, Steven A., 4,880,771, Cl. 505-1.000.
Celler, George K.; and Trimble, Lee E., 4,835,113, Cl. 437-37.000.
Chamzas, Christodoulos; and Duttweiler, Donald L., 4,870,497, Cl. 358-426.000.
Chamzas, Christodoulos, 4,873,577, Cl. 358-426.000.
Chang, Shih-Jeh; Emery, Richard T.; Hakim, Shafik J.; Ho, Jen-Lie; Janssen, Paul E.; and McCullagh, Carol M., 4,818,984, Cl. 340-825.540.
Chapin, John T.; and Sabia, Raffaele A., 4,849,579, Cl. 174-74.00R.
Chapin, John T.; and Sabia, Raffaele A., 4,876,303, Cl. 524-296.000.
Chemla, Daniel S.; Miller, David A. B.; and Smith, Peter W., 4,860,296, Cl. 372-44.000.
Chen, Min-Liang; Leung, Chung W.; Lu, Chih-Yuan; and Tsai, Nun-Sian, 4,886,765, Cl. 437-200.000.
Cheney, Glen T.; Kirsch, Howard C.; Nelson, James T.; and Stefany, James H., 4,887,135, Cl. 357-23.600.
Cheng, Chu-Liang, 4,824,804, Cl. 437-203.000.
Cheng, Chu-Liang; Cheng, Julian; and Forrest, Stephen R., 4,829,347, Cl. 357-22.000.
Chi, Gou-Chung; Sing, Shobha; Van Uitert, LeGrand G.; and Zydzik, George J., 4,819,039, Cl. 357-17.000.
Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.
Choi, DooWhan, 4,847,875, Cl. 375-112.000.
Cloonan, Thomas J.; Hinton, Harvard S.; and McCormick, Frederick B., Jr., 4,830,444, Cl. 350-3.730.
Cochran, William T.; Garcia, Agustin M.; Hills, Graham W.; and Yeh, Jenn L., 4,832,789, Cl. 156-644.000.
Cohen, Leonard G.; and Hegarty, John, 4,820,016, Cl. 350-96.290.
Cooper, Bret A.; Havanas, William H.; Lanning, Thomas R.; and Martinka, Mark A., 4,866,763, Cl. 379-221.000.
Dahbura, Anton T.; Hery, William J.; and Sabnani, Krishan K., 4,807,228, Cl. 371-9.000.
Darcie, Thomas E.; and Saleh, Adel A. M., 4,842,368, Cl. 350-96.150.
Daudelin, Abraham N., 4,797,910, Cl. 379-67.000.
Dautartas, Mindaugas F.; Harrus, Alain S.; Martin, Edward P., Jr.; and Stevie, Fred A., 4,861,126, Cl. 350-96.110.
Davidson, Wayne A.; Ernst, John P.; Herkes, Marybeth; Kuppuswami, Ram; Satalich, Timothy A.; and Stanaway, John J., Jr., 4,873,717, Cl. 379-157.000.
DeBenedictis, Erik P., 4,845,744, Cl. 379-221.000.
DeBruler, Dennis L.; Hafer, Edward H.; Hiller, Thomas L.; Johnson, James M., Jr.; Kimber, Douglas A.; McHarg, Christopher G.; Pector, Scott W.; and Pierce, David A., 4,821,259, C 370-60.000.
De Burro, Agostino L., 4,824,377, Cl. 439-186.000.
Debus, Walter, Jr.; and Stenger, Gerhard W., 4,831,382, C 341-200.000.
Delaney, Robert H.; Kalmanek, Charles R., Jr.; and Resnic Robert C., III, 4,841,295, Cl. 340-825.500.
Dentai, Andrew G.; Joyner, Charles H., Jr.; Weidman, Timoth W.; and Zilko, John L., 4,830,982, Cl. 437-094.000.
Dentini, Mark S.; Fulton, Joe A.; Jin, Sungho; Mottine, John J., J Shepherd, Lloyd; and Sherwood, Richard C., 4,838,347, C 165-185.000.
Dick, George W.; and Manchon, Denis D., Jr., 4,833,463, C 340-775.000.
Dickey, Larry W.; and Rhines, Warren J., 4,796,150, C 361-119.000.
Dirk, Carl W.; Katz, Howard E.; Lalama, Salvatore J.; Singe Kenneth D.; and Sohn, John E., 4,859,876, Cl. 307-425.000.
Ditzel, David R.; and McLellan, Hubert R., Jr., 4,853,889, C 364-900.000.
Dixit, Mayankkumar M.; and Tanzola, Charles, 4,818,824, C 174-92.000.
Doklan, Raymond H.; Martin, Edward P., Jr.; Roy, Pradip K Shive, Scott F.; and Sinha, Ashok K., 4,851,370, Cl. 437-225.0
Dunlop, Alfred E.; and Fishburn, John P., 4,827,428, C 364-491.000.
Dynes, Robert C.; Short, Kenneth T.; and White, Alice E 4,816,421, Cl. 437-26.000.
Easter, William G.; and Feygenson, Anatoly, 4,839,309, C 437-160.000.
Eichenbaum, Bernard R.; and Santana, Manuel R., 4,859,023, C 350-96.230.
Elko, Gary W.; Sondhi, Man M.; and West, James E., 4,802,227, C 381-92.000.
Else, Richard L.; and Frantzen, Kenneth D., 4,811,378, C 379-189.000.
Embree, David M.; and Logan, Shawn M., 4,853,655, Cl. 3 116.0FG.
Embree, David M.; and Logan, Shawn M., 4,887,053, Cl. 3 116.0FE.
Escolar, Carlos, 4,875,037, Cl. 340-825.010.
Fang, Rong-Chin, 4,799,217, Cl. 370-68.100.
Faris, Aziz I.; and Robertson, Perry J., 4,885,480, Cl. 307-448.0
Fatehi, Mohammad T., 4,878,726, Cl. 350-96.150.
Fergeson, Allen D.; Khurshid, Anwar; and Rouse, David M 4,805,170, Cl. 370-89.000.
Feygenson, Anatoly, 4,818,713, Cl. 437-31.000.
Feygenson, Anatoly, 4,860,085, Cl. 357-59.000.
Fischer, Frederick H.; Murphy, Edmond J.; and Rice, Trudie C 4,810,049, Cl. 350-96.120.
Fischer, Frederick H., 4,853,758, Cl. 357-51.000.
Fisher, John R.; Guth, Leslie A.; and Mahler, James A., 4,871,1 Cl. 228-33.000.
Fleming, James W.; Johnson, David W., Jr.; MacChesney, John B and Pardenek, Sandra A., 4,872,895, Cl. 65-18.100.
Follett, David R.; and Sobin, David L., 4,870,637, Cl. 370-4.00
Follett, David R.; and Levy, Michael P., 4,872,163, Cl. 370-94.1
Foschini, Gerard J., 4,800,555, Cl. 370-3.000.
Fraser, Alexander G., 4,821,258, Cl. 370-60.000.
Fraser, Alexander G.; Marshall, William T.; and Riddle, Guy G 4,852,127, Cl. 375-94.000.
Freeman, Lucius J.; and Gagen, Paul F., 4,856,866, Cl. 350-96.2
Friesen, Harold W.; and Nutt, Wendell G., 4,873,393, C 174-34.000.
Gabara, Thaddeus J., 4,823,029, Cl. 307-443.000.
Gabriel, Kaigham J.; Mehregany, Mehran; and Walker, James A 4,864,824, Cl. 60-527.000.
Garcia, John D., II, 4,823,249, Cl. 363-48.000.
Gartside, Charles H., III; Panuska, Andrew J.; and Patel, Parbhu hai D., 4,826,278, Cl. 350-96.230.
Gartside, Charles H., III; Glodis, Paul F.; and Patel, Parbhubhai D 4,836,640, Cl. 350-96.230.
Gauss, Edward J., 4,880,202, Cl. 248-676.000.
George, Carroll H.; Lynott, Guy W.; and Pargellis, Andrew N 4,812,101, Cl. 414-220.000.
George, Carroll H.; and Rust, Ray D., 4,812,217, Cl. 204-192.1
Ghandeharizadeh, Shahryar, 4,840,449, Cl. 350-96.200.
Goodby, John W.; and Patel, Jayantilal S., 4,867,539, Cl. 35 350.00S.
Gossard, Arthur C.; Miller, Robert C.; and Petroff, Pierre M 4,860,068, Cl. 357-16.000.
Graczyk, James F.; Ludwick, John J.; and Parsons, Edward S 4,821,286, Cl. 375-4.000.
Graf, Hans P.; and Howard, Richard E., 4,875,183, Cl. 364-807.0
Green, Martin L.; and Gross, Michal E., 4,851,895, Cl. 357-67.0
Greene, Benjamin I.; Tai, Kuochou; and Thakur, Mrinal, 4,871,2 Cl. 350-354.000.
Gurvitch, Michael; and Levy, Roland A., 4,837,609, Cl. 357-71.0
Gyorgy, Ernst M.; Hellman, Frances; and Johnson, David W., J 4,797,386, Cl. 505-1.000.
Habbab, Isam M. I.; Kavehrad, Mohsen; and Sundberg, Carl-Er 4,797,879, Cl. 370-3.000.
Hagenauer, Joachim; and Sundberg, Carl-Erik, 4,807,253, C 375-57.000.
Hakim, Shafik J.; Locher, Mark R.; Nieng, Kenneth Y.; and Vi nozzi, Barbara A., 4,841,433, Cl. 364-200.000.
Halemane, Thirumala R.; and Korotky, Steven K., 4,877,952, Cl. 250-213.00A.
Heinzelmann, Karl A., 4,866,758, Cl. 379-94.000.
Hemmady, Jayant G.; Lidinsky, William P.; Nichols, Robert K.; Richards, Gaylord W.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., 4,872,157, Cl. 370-60.000.
Hemmady, Jayant G.; Lidinsky, William P.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., 4,872,159, Cl. 370-60.000.
Hemmady, Jayant G.; Lidinsky, William P.; Steele, Scott B.; Ulrich, Werner; and Weddige, Ronald C., 4,872,160, Cl. 370-60.000.
Herrig, Hanz W.; Horn, David N.; Peters, Daniel V.; Pfeifer, Randy D.; and Wilcox, Wayne R., 4,835,737, Cl. 364-900.000.
Hillenius, Steven J.; Lynch, William T.; and Manchanda, Lalita, 4,825,278, Cl. 357-53.000.
Hokanson, John L.; Smeltz, Palmer D., Jr.; Yanushefski, Katherine A.; Yanushefski, Michael J.; and Young, Craig A., 4,873,566, Cl. 357-74.000.
Hsue, Ching-Wen; and Lee, Wha-Joon, 4,841,240, Cl. 324-158.00P.
Hwang, Frank K.; and Richards, Gaylord W., 4,887,079, Cl. 340-825.800.
Hwang, InSeok S., 4,851,714, Cl. 307-448.000.
Hwang, InSeok S., 4,866,656, Cl. 364-768.000.
Jampathom, Sompoppol; and Nehring, Otto, 4,846,032, Cl. 83-51.000.
Jewell, Jack L.; and McCall, Samuel L., Jr., 4,861,976, Cl. 250-211.00J.
Johnston, Wilbur D., Jr.; and Tu, Charles W., 4,870,032, Cl. 437-84.000.
Johnston, Wilbur D., Jr.; and Tu, Charles W., 4,878,956, Cl. 148-33.300.
Johnston, Wilbur D., Jr.; Karlicek, Robert F., Jr.; Long, Judith A.; and Wilt, Daniel P., 4,888,624, Cl. 357-16.000.
Kellis, Timothy M., 4,795,659, Cl. 427-123.000.
Khoury, John M.; and Trosino, James M., 4,835,421, Cl. 307-491.000.
Kim, Sea-Chung; Maury, Alvaro; and Stinebaugh, William H., Jr., 4,814,291, Cl. 437-101.000.
Kinard, Michael D.; Panuska, Andrew J.; Reynolds, Mickey R.; Santana, Manuel R.; and Webster, George H., 4,844,575, Cl. 350-96.230.
Kauser, Scott C., 4,829,465, Cl. 364-725.000.
Kollarits, Richard V., 4,816,846, Cl. 346-157.000.
Kolodner, Paul R., 4,819,658, Cl. 128-736.000.
Korotky, Steven K., 4,865,408, Cl. 350-96.130.
Koze, Jeffrey T.; and Miller, Anton J., 4,874,463, Cl. 156-645.000.
Lambert, William R.; Lu, Neng-Hsing; and Rust, Ray D., 4,820,376, Cl. 156-643.000.
Lampert, Norman R., 4,852,963, Cl. 350-96.210.
Lancaster, Loren T., 4,835,584, Cl. 357-23.100.
Lando, David J.; and Wight, Frederick R., Jr., 4,888,450, Cl. 174-68.500.
Lee, Kuo-Hua; Lu, Chih-Yuan; and Yaney, David S., 4,844,776, Cl. 156-653.000.
Lee, Ting-Ann, deceased; and Calderbank, Arthur R., 4,831,635, Cl. 375-19.000.
Lee, Wha-Joon, 4,866,685, Cl. 368-117.000.
Lemaire, Paul J.; MacChesney, John B.; and Simpson, Jay R., 4,830,463, Cl. 350-96.340.
Lentine, Anthony L., 4,800,262, Cl. 250-211.00J.
Levi, Anthony F. J., 4,829,343, Cl. 357-4.000.
Levinson, Stephen E., 4,852,180, Cl. 381-43.000.
Levy, Alvin C.; and Overton, Bob J., 4,810,395, Cl. 252-28.000.
Levy, Alvin C., 4,870,117, Cl. 523-173.000.
Levy, Roland A., 4,868,093, Cl. 430-311.000.
Licht, Steven J., 4,810,325, Cl. 156-624.000.
Lin, Chia-Lung, 4,797,622, Cl. 324-537.000.
Lindner, Richard; and Rex, Bertram R., 4,797,720, Cl. 357-39.000.
Lines, Malcolm E., 4,820,017, Cl. 350-96.300.
Ling, Hung C.; and Yan, Man F., 4,811,164, Cl. 361-321.000.
Liou, Kang-Yih, 4,835,779, Cl. 372-26.000.
Lipari, Dominic T., 4,880,396, Cl. 439-578.000.
LoVasco, Francis; and Oien, Michael A., 4,878,611, Cl. 228-180.200.
Lunardi, Leda M.; and Malik, Roger J., 4,825,265, Cl. 357-16.000.
Luryi, Sergey, 4,806,996, Cl. 357-16.000.
Luryi, Sergey, 4,829,349, Cl. 357-23.100.
Luryi, Sergey, 4,860,064, Cl. 357-12.000.
Lynch, William T.; and Vratny, Frederick, 4,822,754, Cl. 437-193.000.
Magalhaes, Frank M.; Ostapiak, Roman; Walk, Ralph; and Ziesse, Norman G., 4,814,962, Cl. 363-16.000.
Mahajan, Om P., 4,864,612, Cl. 380-2.000.
Mahmoud, M. Fatein, 4,882,743, Cl. 379-53.000.
Manocha, Ajit S., 4,807,013, Cl. 357-59.000.
Marano, Patrick J.; and Netravali, Arun N., 4,850,007, Cl. 379-67.000.
Marker, Walter S., Jr., 4,802,220, Cl. 380-33.000.
Martin, Thomas B.; Rabiner, Lawrence R.; and Wilpon, Jay G., 4,821,325, Cl. 381-46.000.
Mathis, Terry D.; and Miller, Calvin M., 4,850,670, Cl. 350-96.210.
Maxemchuk, Nicholas F., 4,797,882, Cl. 370-94.000.
McBride, Antoinette D.; and Smith, Arnold R., 4,861,278, Cl. 439-395.000.
McGann, William E.; and Todd, John R., 4,868,889, Cl. 455-126.000.
Miller, Calvin M., 4,802,723, Cl. 350-96.150.
Miller, David A. B., 4,884,119, Cl. 357-58.000.
Miller, Gabriel L., 4,829,172, Cl. 250-205.000.
Mollenauer, Linn F., 4,881,790, Cl. 350-96.160.
Morris, Bernard L.; Nagy, Jeffrey J.; and Walter, Lawrence A., 4,830,976, Cl. 437-47.000.
Moyer, Harold W.; and Scholz, Harry R., 4,801,765, Cl. 174-52.400.
Moyer, Harold W.; and Scholz, Harry R., 4,803,540, Cl. 357-70.000.
Mullin, Francis J.; Reed, William C.; and Scholly, Christian, 4,807,961, Cl. 350-96.230.
Mullin, Francis J.; and Reed, William C., 4,852,965, Cl. 350-96.230.
Mullin, Francis J.; and Reed, William C., 4,875,952, Cl. 156-48.000.
Myer, Robert E., 4,873,492, Cl. 330-86.000.
Myer, Robert E., 4,879,519, Cl. 330-149.000.
Myer, Robert E., 4,885,551, Cl. 330-52.000.
Myers, Clyde J.; Stephenson, Daniel L.; and Travieso, Ruben, 4,872,736, Cl. 350-96.200.
Narayanan, C. Murali; and Zee, Benjamin, 4,814,974, Cl. 364-200.000.
Nichols, Robert K.; and Roediger, Gary A., 4,875,206, Cl. 370-85.150.
Orsic, Milo, 4,817,082, Cl. 370-58.000.
Panousis, Peter T., 4,835,585, Cl. 357-23.400.
Pawlik, Jonathan R., 4,795,976, Cl. 324-158.00D.
Pfeifer, Randy D., 4,805,106, Cl. 364-200.000.
Pfeiffer, Loren N.; and West, Kenneth W., 4,873,833, Cl. 62-55.500.
Picone, Joseph; and Prezas, Dimitrios, 4,879,748, Cl. 381-49.000.
Pimpinella, Richard J.; and Segelken, John M., 4,826,272, Cl. 350-96.200.
Presby, Herman M., 4,820,321, Cl. 65-2.000.
Prezas, Dimitrios P.; and Thomson, David L., 4,890,328, Cl. 381-38.000.
Rabiner, Lawrence R., 4,860,358, Cl. 381-43.000.
Rabinovich, Eliezer M., 4,840,653, Cl. 65-3.120.
Reed, William A., 4,852,968, Cl. 350-96.330.
Reinhart, Franz K., 4,889,402, Cl. 350-96.140.
Rene, Raymond, 4,866,588, Cl. 363-21.000.
Rennell, John A., Jr.; and Taylor, Carl R., 4,851,165, Cl. 264-1.500.
Richards, Gaylord W., 4,817,083, Cl. 370-59.000.
Richards, Gaylord W., 4,872,158, Cl. 370-58.100.
Ross, Robert R.; and Vedejs, Ilona, 4,820,007, Cl. 350-96.200.
Russell, Thomas L., Jr., 4,890,322, Cl. 380-20.000.
Rutledge, Charles W., 4,811,112, Cl. 358-260.000.
Ryan, Vivian W.; and Smolinsky, Gerald, 4,826,709, Cl. 427-240.000.
Saneski, Steven P., 4,839,907, Cl. 375-113.000.
Sarath, Alan, 4,860,163, Cl. 361-384.000.
Scott, Charles W., Jr., 4,867,523, Cl. 350-96.200.
Shanefield, Daniel J., 4,866,501, Cl. 337-50.000.
Simmons, John G.; and Taylor, Geoffrey W., 4,800,415, Cl. 357-34.000.
Simmons, John G.; and Taylor, Geoffrey W., 4,806,997, Cl. 357-16.000.
Smith, Craig G., 4,844,608, Cl. 356-136.000.
Sonntag, Jeffrey L.; Viswanathan, Thayamkulangara R.; and Wilson, William B., 4,818,929, Cl. 323-316.000.
Sonntag, Jeffrey L.; and Viswanathan, Thayamkulangara R., 4,849,684, Cl. 323-313.000.
Stohs, Norbert E., 4,890,271, Cl. 369-24.000.
Stone, Julian, 4,830,451, Cl. 350-96.150.
Stone, Julian; and Stulz, Lawrence W., 4,861,136, Cl. 350-96.300.
Strauss, Mark S., 4,806,999, Cl. 357-23.130.
Strauss, Mark S., 4,821,089, Cl. 357-68.000.
Tarallo, Joseph A., 4,879,728, Cl. 375-80.000.
Thomas, Donald A., 4,843,191, Cl. 174-88.00R.
Thomson, David L., 4,803,730, Cl. 381-49.000.
Toth, William H., 4,829,520, Cl. 371-15.000.
Tsang, Won-Tien, 4,831,628, Cl. 372-46.000.
Vanderbei, Robert J., 4,885,686, Cl. 364-402.000.
Vella-Coleiro, George P., 4,825,174, Cl. 330-277.000.
Wadlington, James C., 4,866,587, Cl. 363-16.000.
Wang, Kou-Wei, 4,818,721, Cl. 437-22.000.
Warty, Pramod; and Weiss, Edward J., 4,827,499, Cl. 379-58.000.
Wilt, Daniel P., 4,805,178, Cl. 372-46.000.
Wood, Thomas H., 4,879,763, Cl. 455-607.000.
Yan, Man F., 4,800,051, Cl. 264-56.000.

American Telephone and Telegraph Company, AT&T Information Systems Inc.: *See—*
Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,816,653, Cl. 235-380.000.
Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,816,654, Cl. 235-380.000.
Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,882,474, Cl. 235-380.000.
Astmann, Robert H., 4,853,956, Cl. 379-269.000.
Barron, Salvador; and Coffman, James E., 4,876,717, Cl. 380-25.000.
Baxter, Leslie A.; and Berkowitz, Paul R., 4,809,270, Cl. 370-95.000.
Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, 4,795,898, Cl. 235-487.000.
Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, 4,798,322, Cl. 235-487.000.

Billinger, Randy J.; Dotter, Laurel K.; and Gasaway, Tommy D., 4,799,255, Cl. 379-189.000.

Billings, Robert L.; Bowers, Mark A.; and Meier, Frankie G., 4,797,541, Cl. 235-449.000.

Bina, Dale C., 4,861,277, Cl. 439-377.000.

Bishop, Thomas P.; Davis, Mark H.; Fish, Robert W.; Peterson, James S.; and Surratt, Grover T., 4,811,216, Cl. 364-200.000.

Bishop, Thomas P.; Fish, Robert W.; Peterson, James S.; and Tuvell, Walter E., Jr., 4,849,877, Cl. 364-200.000.

Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwartz, Thomas A.; and Townsend, Wesley P., 4,816,811, Cl. 340-712.000.

Bohannon, Harold L., 4,845,748, Cl. 379-368.000.

Bossi, Burt J.; and Eberhart, Mark A., 4,802,080, Cl. 363-75.000.

Bowker, Duane O.; Giuliani, Adrian A.; and Jones, David F., 4,797,915, Cl. 379-216.000.

Burke, Edmund T.; Dawdy, Daniel H.; and Rubert, Timothy M., 4,879,743, Cl. 379-142.000.

Chan, Kenneth K.; Hartmann, Philip W.; Lamons, Scott P.; Lyons, Terry G.; and Milonas, Argyrios C., 4,823,338, Cl. 370-85.000.

Cohen, Roberta S.; Huber, Kenneth M.; Mills, Deborah J.; Drapal, Myron E.; and Osterweil, Janis R., 4,837,798, Cl. 379-88.000.

Csuri, John O.; DeSiena, Bernard A.; Johnson, Chris G.; and Kittenwether, David L., 4,795,119, Cl. 248-222.200.

Cuboison, Richard J., Jr., 4,849,851, Cl. 361-212.000.

Cubbison, Richard J., Jr., 4,862,315, Cl. 361-212.000.

Cupo, Robert L., 4,800,573, Cl. 375-14.000.

Cupo, Robert L.; and Farrow, Cecil W., 4,815,103, Cl. 375-14.000.

Cupo, Robert L.; and Farrow, Cecil W., 4,843,581, Cl. 364-724.010.

Cupo, Robert L., 4,847,864, Cl. 375-14.000.

Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,820,192, Cl. 439-404.000.

Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,865,564, Cl. 439-404.000.

Dix, Willard A., 4,885,435, Cl. 200-1.00

Douskalis, William, 4,855,996, Cl. 370-8 .000.

Douskalis, William, 4,885,741, Cl. 370-67.000.

Erving, Richard H., 4,887,288, Cl. 379-6.000.

Esposito, Daniel, 4,821,185, Cl. 364-200.000.

Farrow, Cecil W.; Keasler, William E., Jr.; Maruscsak, Joseph; and Shaw, David G., 4,825,459, Cl. 379-3.000.

Farrow, Cecil W., 4,866,647, Cl. 364-724.100.

Fuller, Richard C.; Gentles, Thomas A.; and Lewandowski, Mark, 4,870,675, Cl. 379-5.000.

Golden, Glenn D., 4,868,824, Cl. 371-53.000.

Golden, Glenn D., 4,885,749, Cl. 371-32.000.

Gotfryd, Casimer; Kay, Stephen L.; Klotz, Hartland P.; and Wentzel, Robert M., 4,859,820, Cl. 200-408.000.

Hanna, Janice G.; Huizinga, Donald D.; Rulon, James M.; and Weise, Wayne A., 4,870,679, Cl. 379-114.000.

Hansen, Gregory J.; and Skau, Neil I., III, 4,827,501, Cl. 379-199.000.

Herrig, Hanz W.; Horn, David N.; Peters, Daniel V.; Pfeifer, Randy D.; and Wilcox, Wayne R., 4,835,737, Cl. 364-900.000.

Holtz, Roger E.; and Stahl, Thomas A., 4,813,066, Cl. 379-413.000.

Jampathom, Sompoppol; and Nehring, Otto, 4,846,032, Cl. 83-51.000.

Jensen, Craig W.; Keller, Frederick R.; Morrow, Joel I.; and Roth, Eric A., 4,821,179, Cl. 364-200.000.

Lange, Michael D.; Smith, Nicholas K.; and Willems, Carl, 4,802,199, Cl. 379-221.000.

Lawrence, Victor B.; and Lee, Edward A., 4,831,637, Cl. 375-118.000.

Lee, Ting-Ann, deceased; and Calderbank, Arthur R., 4,831,635, Cl. 375-19.000.

Means, Donald R., 4,847,897, Cl. 379-390.000.

Miller, Timothy C., 4,885,219, Cl. 429-99.000.

Oye, Kevin J.; Paterno, Enzo; and Smith, Thomas L., 4,805,094, Cl. 364-200.000.

Oye, Kevin J.; Paterno, Enzo; and Smith, Thomas L., 4,817,086, Cl. 370-85.000.

Pope, Kevin T.; and Trimble, David C., 4,797,877, Cl. 370-62.000.

Reed, Adam V., 4,862,498, Cl. 379-355.000.

Saltzberg, Burton R., 4,881,059, Cl. 341-70.000.

Sepe, Edmund N., 4,822,956, Cl. 174-103.000.

Smith, Douglas C., 4,879,507, Cl. 324-57.00N.

Smith, James W., 4,850,036, Cl. 455-179.000.

Smith, James W., 4,872,205, Cl. 455-58.000.

Szeto, Rickens T.; and Woodland, Harold K., 4,837,807, Cl. 379-96.000.

Taska, John L., 4,856,091, Cl. 455-607.000.

American Telephone and Telegraph Company, AT&T Technologies, Inc.: *See*—

Arroyo, Candido J.; and Ellis, Benjamin C., 4,807,962, Cl. 350-96.230.

Arroyo, Candido J.; Debban, Harold P., Jr.; and Paucke, Walter J., 4,815,813, Cl. 350-96.230.

Baltzer, Gary L.; Lynch, Brian; and O'Brien, William D., Jr., 4,875,916, Cl. 65-2.000.

Baumgart, Jerry W.; D'Annessa, Anthony T.; Geyling, Franz T.; Flegal, William M.; and Miller, Thomas J., 4,820,322, Cl. 65-3.110.

Bleich, Larry L.; Roberts, Joni A.; and Zerbs, Stephen T., 4,877,645, Cl. 427-117.000.

Boehlke, Bruce B.; and Zerbs, Stephen T., 4,818,311, Cl. 156-51.000.

Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwar Thomas A.; and Townsend, Wesley P., 4,816,811, C 340-712.000.

Darsey, Ralph J.; and Hurd, William J., 4,865,411, Cl. 350-96.21

Dirk, Carl W.; Katz, Howard E.; Lalama, Salvatore J.; Singe Kenneth D.; and Sohn, John E., 4,859,876, Cl. 307-425.000.

Easter, William G.; and Leffel, Daniel D., 4,820,653, Cl. 437-62.0

Easter, William G.; and Feygenson, Anatoly, 4,839,309, C 437-160.000.

Easter, William G.; and Leffel, Daniel D., 4,870,029, Cl. 437-78.0

Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Po Robert P., Jr.; and Steece, William H., 4,831,696, Cl. 29-33.00

Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Po Robert P., Jr.; and Steece, William H., 4,873,762, Cl. 29-809.0

Fitch, Richard C., 4,807,225, Cl. 370-71.000.

Gartside, Charles H., III; Panuska, Andrew J.; and Patel, Parbhu hai D., 4,826,278, Cl. 350-96.230.

Hechtman, Charles D., 4,837,507, Cl. 324-158.00P.

Hellstern, Richard, 4,843,712, Cl. 29-834.000.

Hokanson, John L.; Smeltz, Palmer D., Jr.; Yanushefski, Kathe A.; Yanushefski, Michael J.; and Young, Craig A., 4,873,566, C 357-74.000.

Jennings, Lois R.; and Long, Roger W., 4,860,903, Cl. 211-4.0

Kinard, Michael D.; Panuska, Andrew J.; Reynolds, Mickey Santana, Manuel R.; and Webster, George H., 4,844,575, C 350-96.230.

Mullin, Francis J.; Reed, William C.; and Scholly, Christ 4,807,961, Cl. 350-96.230.

Myers, Daryl L.; and Wright, James G., Jr., 4,798,346, Cl. 2 18.00A.

Myers, Daryl L.; and Wright, James G., Jr., 4,848,687, Cl. 2 18.00A.

Ors, Jose A.; and Small, Richard D., Jr., 4,795,693, Cl. 430-312.0

Palmquist, John M.; and Saunders, Morton J., 4,802,726, C 350-96.200.

American Telephone and Telegraph Company, AT&T Teletype: *Se*

Bischof, Albert; and Rumps, Norbert A., Jr., 4,804,238, Cl. 1 138.00R.

American Temporing, Inc.: *See*—

Catalano, Gennaro J.; and George, Larry D., 4,822,680, C 428-425.600.

Catalano, Gennaro J.; and George, Larry D., 4,863,540, C 156-87.000.

American Thermal Corporation: *See*—

Zebuhr, William H., 4,867,654, Cl. 417-393.000.

American Thermocraft Corp.: *See*—

Katz, Sigmund, 4,798,536, Cl. 433-212.100.

American Tourister, Inc.: *See*—

Carpenter, Lester E.; and Waddell, Charles E., Jr., 4,854,432, C 190-110.000.

Pulichino, John V., Jr.; and Tong, Joy, 4,854,431, Cl. 190-108.0

American Trailers, Inc.: *See*—

Zajic, Albert H., 4,861,095, Cl. 296-182.000.

American Transportation Technology, Inc.: *See*—

Rossi, James L.; and Lawrence, Franklin B., 4,861,469, C 210-172.000.

American Type Culture Collection: *See*—

Daggett, Pierre-Marc; and Simione, Frank P., 4,879,239, C 435-252.100.

American Vertical Systems: *See*—

Villoch, Joe D.; Gatto, Claudio U.; and Oprisi, Mike V., 4,79 Cl. 160-168.100.

American Wheels De Mexico, S.A.D. E.C.V.: *See*—

Jimenez-Maldonado, Gilberto-Alejandro, 4,846,717, C 432-128.000.

American Wholesale Packaging, Inc.: *See*—

Quinn, Daniel M., 4,878,334, Cl. 53-399.000.

American Wyott Corporation: *See*—

Elliott, James D., 4,869,404, Cl. 222-385.000.

Americane, Inc.: *See*—

Archer, Arvo T., 4,887,625, Cl. 135-75.000.

Ameritek Lasercut Dies, Inc.: *See*—

Holliday, George L., 4,850,950, Cl. 493-475.000.

Amerock Corporation: *See*—

Cress, David R.; and Ellenberger, Eddie D., 4,843,680, C 16-289.000.

Lense, Robert F., 4,860,493, Cl. 49-279.000.

Lense, Robert F., 4,887,392, Cl. 49-300.000.

Ameron, Inc.: *See*—

Hajovsky, Robert J., 4,874,548, Cl. 252-511.000.

Mercado, Hector P., 4,875,710, Cl. 285-24.000.

Amersham Corporation: *See*—

Parsons, George W.; Kelly, Robert L.; and Zlotnicki, Joseph 4,827,493, Cl. 378-119.000.

Amersham International plc: *See*—

Charlton, John C.; Midgley, John E.; and Wilkins, Terence 4,839,299, Cl. 436-500.000.

Dyson, Nicholas J.; Pashby, David P.; and Parke, Judith 4,889,606, Cl. 204-182.800.

Finlan, Martin F., 4,886,360, Cl. 356-335.000.

Kelly, James D.; and Griffiths, David V., 4,810,486, Cl. 429-1

Nowotnik, David P.; and Canning, Lewis R., 4,818,813, 534-14.000.

Sadler, Peter J.; Harding, Charles T.; Kelly, James D.; and Ewen, Andrew B., 4,880,007, Cl. 128-653.000.

Smith, Gerald A., 4,843,158, Cl. 540-469.000.

Ames, Douglas A., to Transphase Systems, Inc. Nestable, stackable containers. 4,872,557, 10-10-89, Cl. 206-504.000.

Ames, Gregory H.; Holmgren, William A.; and Widener, A. Lee, to Kaman Corporation. Inductive sensor for detecting displacement of adjacent surfaces. 4,816,759, 3-28-89, Cl. 324-207.000.

Ames, Gregory H., to Kaman Instrumentation Corporation. Differentially wound electromagnetic actuator. 4,831,291, 5-16-89, Cl. 310-13.000.

Ames, Gregory H.: *See*—

Rather, John D. G.; Ames, Gregory H.; Conklin, Edward K.; Lazzarini, Albert J.; Mangano, Joseph; and Ulich, Bobby L., 4,825,062, Cl. 250-201.000.

Ames, John E., to Sundstrand Corporation. Power source and control mechanism for propeller pitch control. 4,878,809, 11-7-89, Cl. 416-151.000.

Ames, Victor H.: *See*—

Hartelius, Marshall V.; and Ames, Victor H., 4,843,973, Cl. 105-26.100.

Amesbury Industries, Inc.: *See*—

Evans, Robert D.; and Blezard, Robert C., 4,849,270, Cl. 428-85.000.

Ameseder, Anton, to Starrfrasmaschinen AG. Process and apparatus for removal of dust and chip material at the machining station of a machine tool. 4,798,505, 1-17-89, Cl. 409-136.000.

Ametani, Kohei: *See*—

Takagi, Touichi; Ametani, Kohei; and Shimizu, Kouichi, 4,812,426, Cl. 501-136.000.

Ametani, Minoru: *See*—

Matsushita, Takao; Kira, Akihiko; and Ametani, Minoru, 4,865,677, Cl. 156-353.000.

Ametek, Inc.: *See*—

Doty, Mitchell E.; and Schmidt, Ferenc J., 4,836,012, Cl. 73-23.000.

Meyers, Peter V.; Liu, Chung-Heng; and Frey, Timothy J., 4,873,198, Cl. 437-5.000.

O'Brien, Edward M.; and Otto, Donald R., 4,819,183, Cl. 364-509.000.

Patterson, G. Richard; and Trauger, Jon W., 4,814,757, Cl. 340-753.000.

Schmanski, David A., 4,815,713, Cl. 256-19.000.

Venthem, John C.; Parnell, James A.; Hill, Mark; and Poole, Dan R., 4,888,710, Cl. 364-520.000.

Ametex AG: *See*—

Keldany, Rachid, 4,869,295, Cl. 138-129.000.

Kirchmayr, Karl; Miko, Hans-Jurgen; Watzka, Bruno; Studinka, Josef; and Schmitt-Henco, Carl, 4,797,161, Cl. 106-98.000.

Amey, Walter; and Schneeberger, Reinhold, to Siemens Aktiengesellschaft. Apparatus and method for the processing of operating data of an electric motor. 4,839,830, 6-13-89, Cl. 364-551.010.

AMF Bowling, Inc.: *See*—

Chiles III, Robert E.; Neville, Bruce R.; Wattis, Richard D.; and Werthmann, Scott, 4,887,813, Cl. 273-54.00C.

AMF Incorporated: *See*—

Garofalo, Giovanni, 4,887,985, Cl. 441-64.000.

AMF Mares S.p.A.: *See*—

Garofalo, Giovanni, 4,834,086, Cl. 128-205.240.

Amfit Inc.: *See*—

Rolloff, Paul D.; and Lamb, Reginald T., 4,876,758, Cl. 12-142.00N.

Amgen: *See*—

Arakawa, Tsutomu, 4,873,312, Cl. 530-351.000.

Amgen Inc.: *See*—

Stabinsky, Yitzhak, 4,797,355, Cl. 435-6.000.

Amhed, Hassan J.; and Field, Michael J., to Westinghouse Electric Corp. Fuel assembly grid inspection method. 4,865,800, 9-12-89, Cl. 376-248.000.

AMI, Inc.: *See*—

Hudgens, Mark; and Johnson, James R., 4,832,677, Cl. 493-369.000.

Johnson, James R., 4,802,582, Cl. 206-390.000.

AMI International: *See*—

Egosi, Isaac, 4,843,958, Cl. 101-2.000.

Ami, Isamu: *See*—

Uemura, Isao; Takagaki, Yasuo; Arai, Yoshitaka; and Ami, Isamu, 4,830,867, Cl. 426-557.000.

Amici, Francis R.; and Fontaine, Brian, to Coleco Industries, Inc. Vacuum ball holding device. 4,887,820, 12-19-89, Cl. 273-323.000.

Amick, David R.; Jones, Charles E.; and Hughes, Kathleen A., to Rohm and Haas Company. Water soluble polymers for detergent compositions. 4,797,223, 1-10-89, Cl. 252-174.230.

Amick, David R., to Rohm and Haas Company. Stabilization of non-aqueous solutions of 3-isothiazolones. 4,824,957, 4-25-89, Cl. 548-213.000.

Amicon Wright Ltd.: *See*—

Jackson, Derek H. A., 4,797,209, Cl. 210-656.000.

Amiet, Louis, to Rhone-Poulenc Chimie. Process for the preparation of ethyl trifluoroacetate. 4,879,407, 11-7-89, Cl. 560-227.000.

Amiet, Louis; and Langlois, Bernard, to Rhone-Poulenc Specialites Chimiques. Process for the preparation of ethyltrifluoroacetoacetate. 4,883,904, 11-28-89, Cl. 560-174.000.

Amigo Sales, Inc.: *See*—

Shepard, Melvin E.; and Bussinger, Allen L., 4,846,295, Cl. 180-68.500.

Shepard, Melvin E.; and Bussinger, Allen L., 4,887,685, Cl. 180-209.000.

Amigues, Pierre: *See*—

Nocca, Jean-Luc; Leonard, Jacques; Gaillard, Jean-Ferdinand; and Amigues, Pierre, 4,847,431, Cl. 568-197.000.

Quang, Dang Vu; Amigues, Pierre; Gaillard, Jean-Ferdinand; Leonard, Jacques; and Nocca, Jean-Luc, 4,847,430, Cl. 568-697.000.

Amikura, Takashi; Fujiwara, Akihiro; Toyama, Masamichi; Ueda, Kouichi; and Kozuki, Susumu, to Canon Kabushiki Kaisha. Drive device for photographic lens. 4,876,564, 10-24-89, Cl. 354-400.000.

Amimoto, Yoshio; Shinjo, Masayoshi; Hayashi, Kazunori; and Enomoto, Takashi, to Daikin Industries, Ltd. Fluorine-containing copolymer and oil and water repellent composition containing the same. 4,795,793, 1-3-89, Cl. 526-243.000.

Amin, Ajaykumar A.: *See*—

Henderson, Kenneth J.; and Amin, Ajaykumar A., 4,831,522, Cl. 364-200.000.

Amin Engineers Ltd.: *See*—

Rosinnes, Meir; Stadler, Hugo; and Strunz, Siegfried, 4,841,218, Cl. 322-24.000.

Amin, Jayendra J.: *See*—

Smith, Michael D.; Dolinski, Norman H.; and Amin, Jayendra J., 4,800,737, Cl. 62-503.000.

Amino, Fumihiro; Tozuka, Zenzou; Tachibana, Sadao; and Aoki, Kazuo, to Oki Electric Industry Co., Ltd. Keyboard. 4,851,618, 7-25-89, Cl. 200-5.00A.

Amioka, Shigenori: *See*—

Shiraishi, Noriaki; Kamiyama, Sigeru; Amioka, Shigenori; and Okada, Akiyoshi, 4,854,634, Cl. 296-108.000.

Amiot, Jacques H. J.; Fourny, Jacky R. P.; Letournel, Gilles J. M.; and Parise, Vital A. Apparatus for grinding and straining food products, such as fruits or vegetables. 4,852,814, 8-1-89, Cl. 241-37.500.

Amir, Israel; Balchunas, William C.; and Higgins, Frank P., to American Telephone and Telegraph Company. Linescan inspection system for circuit boards. 4,811,410, 3-7-89, Cl. 382-8.000.

Amir, Nadav, to Ormat Turbines (1965) Ltd. Heat exchanger for condensing vapor containing non-condensable gases. 4,815,296, 3-28-89, Cl. 60-651.000.

Amir, Shlomo. Position-adjusting and distance-measuring devices particularly useful with machine tools. 4,882,849, 11-28-89, Cl. 33-567.000.

Amirav, Aviv; and Danon, Albert, to Ramot University Authority for Applied Research & Industrial Development Ltd. Method and apparatus for producing ions by surface ionization of energy-rich molecules and atoms. 4,845,367, 7-4-89, Cl. 250-423.00R.

Amirpoor, Mansoor M.: *See*—

Drori, Ze'ev; and Amirpoor, Manssor M., 4,887,064, Cl. 340-426.000.

Amishima, Shigeaki, to Aso Pharmaceutical Co., Ltd. Magnetic therapeutic device. 4,798,194, 1-17-89, Cl. 128-9.000.

Amit, Uri: *See*—

Reisman, Ron; and Amit, Uri, 4,870,959, Cl. 128-201.250.

Amitai, Zwie, to Advanced Micro Devices, Inc. Dynamic random access memory controller with multiple independent control channels. 4,797,850, 1-10-89, Cl. 364-900.000.

Amitay, Noach, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Cordless accessed high-speed high-capacity local area networks. 4,807,222, 2-21-89, Cl. 370-85.000.

Amity Leather Products Co.: *See*—

Rolfs, Thomas J., 4,825,922, Cl. 150-134.000.

Young, Raymond W., 4,821,853, Cl. 190-111.000.

Young, Raymond W., 4,832,372, Cl. 281-31.000.

Amjad, Zahid, to B. F. Goodrich Company, The. Membrane cleaning compositions containing phosphorous compounds. 4,806,259, 2-21-89, Cl. 252-80.000.

Amjad, Zahid, to B. F. Goodrich Company, The. Dental calculus inhibiting compositions. 4,842,847, 6-27-89, Cl. 424-52.000.

Amjad, Zahid; and Masler, William F., to B. F. Goodrich Company, The. Stabilization of metal ions with terpolymers containing styrene sulfonic acid. 4,885,097, 12-5-89, Cl. 210-701.000.

Amjad, Zahid; and Masler, William F. Scale control with terpolymers containing vinyl alcohol. 4,889,637, 12-26-89, Cl. 210-701.000.

Amkraut, Alfred: *See*—

Cormier, Michel J. N.; Ledger, Philip W.; Amkraut, Alfred; and Marty, Jean P., 4,885,154, Cl. 424-10.000.

Amlang, Klaus-Peter; Soller, Jochen; and Vogg, Guenter, to MBB GmbH. Transporting freight. 4,864,510, 9-5-89, Cl. 364-478.000.

Amlinger, Heinrich, to Leybold Aktiengesellschaft. Method and apparatus for the purification and recirculation of gases. 4,838,912, 6-13-89, Cl. 62-9.000.

Ammann, Ernst; and Marhoff, Paul, to Siemens Aktiengesellschaft. X-ray diagnostics installation for radiographs. 4,803,716, 2-7-89, Cl. 378-155.000.

Ammann, Hans-Rudolf. Laser beam levelling instruments. 4,854,703, 8-8-89, Cl. 356-248.000.

Ammann, Jorg; Schaffner, Hans Peter; and Ackermann, Ernst, to Gebrueder Buehler AG. Method and apparatus for making food pellets. 4,817,517, 4-4-89, Cl. 99-483.000.

Ammann, Michael B.; and Delicati, Steven S. Slidable rating display for games. 4,825,803, 5-2-89, Cl. 116-324.000.

Ammann, Ulrich, to Nestec S.A. Soya food product and process. 4,857,357, 8-15-89, Cl. 426-634.000.

Ammann, Urs; Dobler, Thomas; Maschek, Martin; and Mastner, Georg, to BBC Brown Boveri AG. Method and device for automatic compensation of the attenuation of a fiber optical measurement value transmission. 4,810,873, 3-7-89, Cl. 250-227.000.

Ammco Tools, Inc.: *See*—

Bogaerts, Leo C.; Murphy, John W.; and Norman, John S., 4,867,021, Cl. 82-112.000.

Glogovsky, Richard, 4,804,029, Cl. 157-1.100.

Norman, John S., 4,854,199, Cl. 82-112.000.
Ammeraal Conveyor Belting B. V.: *See*—
Stijntjes, Johan; and Roet, Simon J., 4,839,220, Cl. 428-258.000.
Ammeraal, Robert N.; Hedges, Allan R.; and Gottneid, David J., to American Maize-Products Company. Purification and separation of branched beta-cyclodextrins. 4,840,679, 6-20-89, Cl. 127-40.000.
Ammeraal, Thomas C. M. Conveying apparatus for loading and unloading goods, in particular for use with ships. 4,878,796, 11-7-89, Cl. 414-141.700.
Ammermann, Eberhard: *See*—
Graf, Hermann; Franz, Lothar; Sauter, Hubert; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,801,592, Cl. 514-300.000.
Hamprecht, Gerhard; Theobald, Hans; Spiegler, Wolfgang; Richarz, Winfried; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,829,072, Cl. 514-314.000.
Karbach, Stefan; Schirmer, Ulrich; Rentzea, Costin; Pommer, Ernst-Heinrich; Ammermann, Eberhard; Steglich, Wolfgang; Schwalge, Barbara A. M.; and Anke, Timm, 4,822,908, Cl. 560-60.000.
Rentzea, Costin; Thym, Sabine; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,804,671, Cl. 514-384.000.
Rentzea, Costin; Spiegler, Wolfgang; Himmele, Walter; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,835,171, Cl. 514-383.000.
Richarz, Winfried; Reissenweber, Gernot; Pommer, Ernst-Heinrich; and Ammermann, Eberhard, 4,820,704, Cl. 514-247.000.
Sauter, Hubert; Schuster, Ludwig; Pommer, Ernst-Heinrich; and Ammermann, Eberhard, 4,822,899, Cl. 548-262.000.
Wenderoth, Bernd; Anke, Timm; Rentzea, Costin; Ammermann, Eberhard; Pommer, Ernst-Heinrich; and Steglich, Wolfgang, 4,829,085, Cl. 514-522.000.
Ammon, Hermann P. T. Utilization of cysteine derivatives or salts thereof to enhance insulin secretion of the islets of langerhans of the pancreas. 4,829,087, 5-9-89, Cl. 514-562.000.
Ammon, J. Preston; and Stuhler, William B. Dispenser storage system. 4,867,628, 9-19-89, Cl. 414-273.000.
Ammon, J. Preston; and Kendal, Jerry, to Augat Inc. Modular electrical connector. 4,881,904, 11-21-89, Cl. 439-78.000.
Ammon, Robert L., to Westinghouse Electric Corp. Method of making metal matrix monotape ribbon and composite components of irregular shape. 4,886,202, 12-12-89, Cl. 228-120.000.
Ammon, Robert L.: *See*—
Svedberg, Robert C.; and Ammon, Robert L., 4,836,849, Cl. 75-245.000.
Ammon, Wilfried V.; Hensel, Wolfgang; and Klinger, Heinz, to Wacker-Chemitronic Gesellschaft fur Elektronik-Grundstoffe mbH. Method for the crucible-free floating zone pulling of semiconductor rods and an induction heating coil therefor. 4,851,628, 7-25-89, Cl. 219-10.430.
Ammonia Casale S.A.: *See*—
Zardi, Umberto, 4,849,206, Cl. 423-659.000.
Zardi, Umberto, 4,859,425, Cl. 422-148.000.
Zardi, Umberto, 4,883,646, Cl. 422-311.000.
Amobi, Frank C. Suspender hanger. 4,865,235, 9-12-89, Cl. 223-85.000.
Amoco Corporation: *See*—
Alford, Richard M.; Lynn, Heloise B.; and Thomsen, Leon A., 4,817,061, Cl. 361-75.000.
Anderson, Ronald L., 4,873,009, Cl. 252-49.600.
Angell, Richard G., Jr.; Michno, Michael J., Jr.; Konrad, John M.; and Hobbs, Kenneth E., 4,804,509, Cl. 264-136.000.
Anthon, Douglas A.; and Sipes, Donald L., Jr., 4,884,277, Cl. 372-22.000.
Arzoumanidis, Gregory G.; Karayannis, Nicholas M.; Khelghatian, Habet M.; Lee, Sam S.; and Johnson, Bryce V., 4,866,022, Cl. 502-120.000.
Bach, David T., 4,853,547, Cl. 250-458.100.
Bach, David T., 4,861,163, Cl. 356-417.000.
Bach, David T., 4,867,559, Cl. 356-73.000.
Beirute, Robert M.; and Smith, Robert C., 4,819,726, Cl. 166-291.000.
Bertolacini, Ralph J.; Hirschberg, Eugene H.; and Modica, Frank S., 4,836,993, Cl. 423-244.000.
Bockrath, Ronald E.; and Cole, Bill W., 4,861,855, Cl. 528-125.000.
Brett, James F.; Simor, Lawrence A.; and Warren, Tommy M., 4,815,342, Cl. 76-108.00A.
Brooks, Gary T., 4,808,473, Cl. 428-336.000.
Brown, Arthur R.; and Miller, David C., 4,813,269, Cl. 73-49.200.
Brown, Arthur R.; and Miller, David C., 4,813,285, Cl. 73-49.200.
Brugge, Stephen P.; Harper, Jon J.; and Autry, Larry W., 4,827,026, Cl. 562-416.000.
Bucker, Rhoda H., 4,843,599, Cl. 367-70.000.
Bunting, Kemp R., 4,807,917, Cl. 294-87.240.
Busta, Heinz H., 4,859,623, Cl. 437-48.000.
Buttke, Robert D.; and Frey, John R., 4,806,458, Cl. 208-143.000.
Cartmell, Robert R.; and Horecky, Carl J., 4,808,382, Cl. 422-140.000.
Cartmell, Robert R.; and Horecky, Carl J., 4,824,557, Cl. 208-14[illegible]
Chang, Yuehsung, [illegible], Cl. [illegible]
Chang, Yuehsiung, 4,873,007, Cl. [illegible]
Chew, Calvin T.; and Gee, John C., 4,855,491, Cl. 562-414.000.
Chiang, Weilong L.; Fjare, Douglas E.; and Nowicki, Neal R., 4,876,329, Cl. 528-353.000.
Clendinning, Robert A.; and Kelsey, Donald R., 4,829,143, Cl. 528-125.000.
Clendinning, Robert A.; Maresca, Louis M.; Matzner, Markus; an
Schwab, Thomas H., 4,857,625, Cl. 528-171.000.
Clendinning, Robert A.; Harris, James E.; Kwiatkowski, Georg
T.; McMaster, Lee P.; Matzner, Markus; and Winslow, Paul A., 4,861,915, Cl. 568-328.000.
Clifton, Michael D.; and Carter, Stephen J., 4,851,589, C
568-730.000.
Connolly, John F.; Thrash, Robert J.; and Webber, Bruce D., 4,869,977, Cl. 429-101.000.
Connolly, John F.; and Thrash, Robert J., 4,889,779, C
429-196.000.
Cotter, Robert J.; Rimsa, Stephen B.; and Barclay, Robert, Jr., 4,814,419, Cl. 528-174.000.
Cotter, Robert J.; Rimsa, Stephen B.; and Barclay, Robert, Jr., 4,816,505, Cl. 524-445.000.
Cotter, Robert J.; Rimsa, Stephen B.; Barclay, Robert, Jr.; Kwia
kowski, George T.; and Harris, James E., 4,849,503, C
528-171.000.
Crosby, Robert A., 4,890,296, Cl. 372-107.000.
DeSimone, Richard E.; and Lane, Lori B., 4,812,536, C
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Dickinson, Barry L.; and Robeson, Lloyd M., 4,861,837, C
525-394.000.
Dixon, George J.; Anthon, Douglas W.; and Clark, John R
4,879,722, Cl. 372-21.000.
Dixon, George J.; Anthon, Douglas W.; and Clark, John R
4,879,723, Cl. 372-21.000.
Dixon, George J.; Anthon, Douglas W.; and Clark, John R
4,884,276, Cl. 372-21.000.
Domeier, Linda A., 4,812,511, Cl. 524-850.000.
Domeier, Linda A., 4,853,449, Cl. 526-259.000.
Drezdzon, Mark A.; Moore, Eric J.; and Kaminsky, Mark F
4,843,168, Cl. 558-357.000.
Edwards, Robert C., 4,810,803, Cl. 549-260.000.
Edwards, Robert C.; and Eryman, William S., 4,824,819, C
502-209.000.
Edwards, Robert C.; and Eryman, William S., 4,845,241, C
549-260.000.
Edwards, Robert C., 4,861,738, Cl. 502-34.000.
Ely, Stephen R.; and Olsen, George P., 4,826,600, Cl. 210-603.00
Evans, April J., 4,798,825, Cl. 514-65.000.
Fahrig, Robert J.; Fitzharris, William D.; and Aderhold Jr., Jam
L., 4,871,699, Cl. 502-34.000.
Field, Nathan D.; and Duska, Joseph J., 4,851,480, Cl. 525-444.00
Fisher, James H.; and Jacoby, Philip, 4,829,839, Cl. 73-866.00
Fitzharris, William D.; Ringle, Scott J.; and Nicholes, Kathy S
4,859,310, Cl. 208-87.000.
Fjare, Douglas E.; and Hagen, Gary P., 4,855,503, Cl. 564-394.00
Fjare, Kristi A., 4,873,361, Cl. 560-130.000.
Frayer, Paul D., 4,851,467, Cl. 524-495.000.
Gardner, Hugh C.; and Newman-Evans, Richard H., 4,804,740, C
528-422.000.
Gardner, Hugh C.; Colon, Ismael; and Robeson, Lloyd M
4,837,256, Cl. 524-141.000.
Goyal, Shri K., 4,824,526, Cl. 202-82.000.
Goyal, Shri K.; and Faagau, Gary S., 4,832,823, Cl. 208-131.00
Gutberlet, L. Charles; and Miller, Jeffrey T., 4,820,403, C
208-111.000.
Gutowski, Paul R.; Smith, Martin L., Jr.; and Sondergeld, Carl R
4,819,214, Cl. 367-27.000.
Haddad, Muin S.; and Schmandle, John J., 4,855,270, C
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Hagen, Gary P., 4,822,913, Cl. 562-598.000.
Hagen, Gary P.; and Nemo, Thomas E., 4,873,386, Cl. 585-471.00
Hale, James L., 4,799,721, Cl. 294-1.100.
Hall, Johnce E., 4,820,083, Cl. 405-109.000.
Hall, Johnce E.; and Penny, Samuel L., 4,822,212, Cl. 405-227.00
Harris, James E.; and Robeson, Lloyd M., 4,804,723, C
525-535.000.
Harris, James E.; and Robeson, Lloyd M., 4,804,724, C
525-471.000.
Harris, James E., 4,818,803, Cl. 525-390.000.
Harris, James E.; Matzner, Markus; and Robeson, Lloyd M
4,879,354, Cl. 525-425.000.
Haynes, Michael D.; Stuck, Robert A.; and Wilson, Robert R
4,844,812, Cl. 210-741.000.
Heller, Michael J.; and Morrison, Larry E., 4,859,583, C
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Hepp, Vincent R.; and Duffy, John A., 4,852,005, Cl. 364-422.00
Hepp, Vincent R., 4,873,636, Cl. 364-422.000.
Hoff, Melvern C.; and Feld, Raymond C., 4,864,070, C
585-828.000.
Holzhauer, Juergen K.; Michalak, Dennis J.; and Schamm
Wayne P., 4,876,386, Cl. 562-414.000.
Holzhauer, Juergen K.; Oltrogge, Robert D.; and Michalak, Denn
J., 4,886,901, Cl. 560-77.000.
Hopkins, P. Donald, 4,810,355, Cl. 208-58.000.
Hoppin, Charles R.; and Tovrog, Benjamin S., 4,829,038, C
502-125.000.
Huang, Chente, 4,883,886, Cl. 549-255.000.
Hundley, John G., 4,855,492, Cl. 562-414.000.
Hunt, Mack W.; and Udelhofen, John H., 4,832,857, Cl. 252-33.00
Hunt, Mack W., 4,867,891, Cl. 252-33.000.
Hunt, Mack W., [illegible], Cl. 252-33.000.
Hutchens, Chriswell G.; and Morris, Steven A., 4,796,237, C
367-35.000.

Hutchison, David A., 4,871,465, Cl. 252-47.000.
James, David E.; and Nowicki, Neal R., 4,804,501, Cl. 260-369.000.
James, David E.; and Nowicki, Neal R., 4,822,527, Cl. 260-369.000.
Jezl, James L.; Michaels, Glenn O.; Spangler, Michael J.; and Winzenburg, Mark L., 4,814,539, Cl. 585-500.000.
Joseph, Earl M.; Pritchard, Robert J.; and Sufi, Arshad H., 4,874,043, Cl. 166-272.000.
Kelsey, Donald R., 4,841,009, Cl. 528-75.000.
Kelsey, Donald R., 4,855,388, Cl. 528-125.000.
Kelsey, Donald R., 4,882,397, Cl. 525-471.000.
Kennedy, Steven, 4,820,431, Cl. 252-56.00R.
Kruse, Larry W., 4,831,209, Cl. 585-738.000.
Kukes, Simon G.; Gutberlet, L. Charles; and Miller, Jeffrey T., 4,797,195, Cl. 208-59.000.
Kukes, Simon G.; Gutberlet, L. Charles; and Hensley, Albert L., Jr., 4,797,196, Cl. 208-59.000.
Kukes, Simon G.; Miller, Jeffrey T.; Gutberlet, L. C.; and Kelterborn, Jeffrey C., 4,834,865, Cl. 208-59.000.
Kukes, Simon G.; Miller, Jeffrey T.; and Gutberlet, Louis C., 4,875,991, Cl. 208-59.000.
Lancaster, David R.; and Everding, Richard J., 4,856,834, Cl. 294-15.000.
Lee, Min-Hsiun, 4,849,202, Cl. 423-574.00R.
Leung, Linus; and Rogan, John B., 4,883,847, Cl. 526-84.000.
Levan, Chris D., 4,861,575, Cl. 423-447.200.
Lindahl, Harold A.; Abrams, Kenneth J.; Stark, Leonard E.; and Zeitlin, Martin A., 4,835,307, Cl. 562-413.000.
Lowry, James D.; Nowicki, Neal R.; and Partenheimer, Walter, 4,816,601, Cl. 562-413.000.
Matzner, Markus; and Papuga, Donald M., 4,837,284, Cl. 525-437.000.
Matzner, Markus; Kwiatkowski, George T.; and Robeson, Lloyd M., 4,870,153, Cl. 528-125.000.
Matzner, Markus; Winslow, Paul A.; and Papuga, Donald M., 4,870,155, Cl. 528-171.000.
McDaniel, Norman K.; Vasti, Nicholas C.; Woods, Norman R.; and Boening, Robert E., 4,808,289, Cl. 208-210.000.
McGovern, John J.; Pendergraft, Paul T.; and Lee, Min-Hsiun, 4,797,268, Cl. 423-574.00R.
McMahon, Patrick E., 4,883,915, Cl. 564-155.000.
McVay, David R.; Carter, Lawrence D.; Jonasky, John D.; and Jefferson, Chris A., 4,872,939, Cl. 156-354.000.
Mehlberg, Robert L., 4,802,975, Cl. 208-390.000.
Melville, Judith B.; Hardy, L. Charles; and Young, David A., 4,863,888, Cl. 502-207.000.
Miller, David C.; and Brown, Arthur R., 4,813,277, Cl. 73-49.200.
Miller, David C.; and Brown, Arthur R., 4,813,284, Cl. 73-49.200.
Miller, Jeffrey T.; and Nevitt, Thomas D., 4,795,853, Cl. 585-733.000.
Miller, Jeffrey T., 4,812,224, Cl. 208-111.000.
Miller, Jeffrey T., 4,886,594, Cl. 208-210.000.
Montag, Ruth A.; and McKenna, Stephen T., 4,801,571, Cl. 502-236.000.
Montag, Ruth A., 4,845,070, Cl. 502-243.000.
Morris, Steven A.; Mount, Houston B., II; and Fenn, John T., 4,837,753, Cl. 367-69.000.
Morrison, Larry E.; Royer, Garfield P.; and Heller, Michael J., 4,806,625, Cl. 435-7.000.
Morrison, Larry E., 4,822,733, Cl. 435-6.000.
Moskowitz, Larry N.; and Lindley, Donald J., 4,869,936, Cl. 427-423.000.
Mount, Houston B., II, 4,800,537, Cl. 367-35.000.
Mount, Houston B., II, 4,802,145, Cl. 367-35.000.
Mount, Houston B., II; and Snoddy, Michael L., 4,854,163, Cl. 73-153.000.
Newman-Evans, Richard H., 4,814,414, Cl. 428-273.000.
Nowicki, Neal R.; and Thomka, Donald E., 4,876,385, Cl. 562-414.000.
O'Callaghan, Gary L.; Haddock, Levi, Jr.; and Cox, John D., 4,863,596, Cl. 210-230.000.
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Olsen, Robert J., 4,841,069, Cl. 548-545.000.
Owens, David W.; and Propp, Jack E., 4,826,291, Cl. 109-46.000.
Palm, John W., 4,798,716, Cl. 423-574.00R.
Palm, John W., 4,849,203, Cl. 423-574.00R.
Peacock, Kenneth L., 4,837,723, Cl. 364-724.010.
Peck, Lawrence B.; Buttke, Robert D.; Ott, George L.; and Cox, Jeffry A., 4,808,298, Cl. 208-212.000.
Pendergraft, Paul T., 4,842,843, Cl. 423-574.00R.
Pendergraft, Paul T.; and McGalliard, Russell L., 4,844,720, Cl. 55-73.000.
Pendergraft, Paul T., 4,871,521, Cl. 423-230.000.
Petty-Weeks, Bruce, 4,812,594, Cl. 562-473.000.
Poppe, Wassily; Chen, Yu-Tsai; and Paschke, Edward E., 4,863,991, Cl. 524-606.000.
Puri, Rajen; and Stein, Michael H., 4,883,122, Cl. 166-263.000.
Qureshi, Shahid P., 4,861,823, Cl. 524-606.000.
Rai, Chandra S., 4,831,530, Cl. 364-421.000.
Ralston, John D.; Moretti, Anthony L.; and Jain, Ravinder K., 4,865,923, Cl. 428-620.000.
Read, Randol R.; Warmack, Ralph E.; Farmer, James M.; Henshaw, Jerry D.; and Marshall, Connie T., 4,885,724, Cl. 367-77.000.
Reaves, Benjamin H.; and Nelson, William E., 4,805,282, Cl. 29-156.80R.
Reed, Robert L.; and Palm, John W., 4,822,591, Cl. 423-574.00R.
Reed, Robert L.; and Holdeman, David A., 4,836,999, Cl. 423-574.00R.
Reichmann, Mark G., 4,885,427, Cl. 585-480.000.
Reith, Robert A., 4,844,765, Cl. 156-306.600.
Richardson, Joel A.; Poppe, Wassily; Bolton, Benjamin A.; and Paschke, Edward E., 4,831,108, Cl. 528-335.000.
Rueff, Roger M., 4,824,553, Cl. 208-32.000.
Sauers, Marvin E.; Hartsing, Tyler F., Jr.; and McMaster, Lee P., 4,877,682, Cl. 428-412.000.
Schaffhausen, John G., 4,844,827, Cl. 252-51.50A.
Schammel, Wayne P., 4,797,497, Cl. 549-245.000.
Schammel, Wayne P.; and Green, Michael R., 4,845,274, Cl. 562-413.000.
Schammel, Wayne P.; and Green, Michael R., 4,845,275, Cl. 562-416.000.
Schroeder, Hobe; and Wittman, Ricky L., 4,808,751, Cl. 562-487.000.
Schroeder, Hobe, 4,833,269, Cl. 562-484.000.
Schubert, John C.; and Leduc, Edward C., 4,878,970, Cl. 156-69.000.
Sharp, Kenneth A., 4,842,070, Cl. 166-288.000.
Shum, Victor K., 4,806,701, Cl. 585-417.000.
Shum, Victor K., 4,808,763, Cl. 585-415.000.
Sigal, Richard F., 4,862,089, Cl. 324-350.000.
Skylas, Joseph J., 4,849,887, Cl. 364-421.000.
Smith, Michael P., 4,797,906, Cl. 378-44.000.
Smith, Michael P.; and Haines, Frank C., Jr., 4,856,351, Cl. 73-863.210.
Snoddy, Michael L.; and Mount, Houston B., II, 4,885,540, Cl. 324-318.000.
Sommer, Tracy W.; Hill, Charles D.; Muka, Dean P.; and Beecham, Ryland S., 4,819,700, Cl. 141-1.000.
Song, Yoon S.; and Basalay, Robert J., 4,808,325, Cl. 252-51.50A.
Stauffer, Richard D.; Thompson, Jerry L.; and Lindberg, Steven E., 4,849,118, Cl. 252-47.000.
Thompson, Glenn R.; and Breitbart, Yuri J., 4,881,166, Cl. 364-200.000.
Thomsen, Leon A., 4,888,743, Cl. 367-75.000.
Topliss, Robert J.; Brockmeier, Norman F.; and Lindahl, Harold A., 4,888,704, Cl. 364-500.000.
Udovich, Carl A., 4,876,379, Cl. 560-158.000.
Vettel, Paula R., 4,889,646, Cl. 252-32.70E.
Wallace, William G., 4,858,534, Cl. 102-511.000.
Warren, Tommy M.; and Winters, Warren J., 4,854,397, Cl. 175-26.000.
Warren, Tommy M.; Winters, Warren J.; and Brett, James F., 4,862,974, Cl. 175-61.000.
Warren, Tommy M.; and Winters, Warren J., 4,871,037, Cl. 175-67.000.
Warren, Tommy M.; Winters, Warren J.; and Brett, James F., 4,881,605, Cl. 175-320.000.
Warren, Tommy M.; and Behr, Suzanne M., 4,887,677, Cl. 175-339.000.
Waynick, John A., 4,830,767, Cl. 252-25.000.
Waynick, John A., 4,859,352, Cl. 252-41.000.
Waynick, John A., 4,879,054, Cl. 252-41.000.
Werth, Dennis L.; and Reddy, Virupaksha K., 4,803,021, Cl. 264-25.000.
Willis, Howard A.; Bays, Marvin G.; and Munoz, Jose P., 4,842,094, Cl. 181-114.000.
Winslow, Paul A.; and Matzner, Markus, 4,820,790, Cl. 528-125.000.
Winters, Warren J.; and Landreth, Johnie L., 4,807,717, Cl. 181-102.000.
Young, Grant A.; Lister, Roy D.; Wakley, William D.; and Andrews, Steven L., 4,857,197, Cl. 210-512.100.
Young, Grant A.; Wakley, William D.; and Andrews, Steven L., 4,876,016, Cl. 210-739.000.
Amoils, Selig P. Finger operated vacuum bypass suction handpiece/holder apparatus for ocular cortex aspiration and refluxing. 4,857,047, 8-15-89, Cl. 604-30.000.
Amond, Carl A.: *See*—
Kusumgar, Rajal; Natarajan, K. M.; and Amond, Carl A., 4,795,477, Cl. 8-471.000.
Amonett, Daniel K., to Emhart Industries, Inc. Timing mechanism with cam and switch arrangement. 4,841,110, 6-20-89, Cl. 200-574.000.
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Amos, Barry L.; Sapelak, Ronald; and Vanderweg, Peter, to General Motors of Canada Limited. Console mounted controller. 4,796,480, 1-10-89, Cl. 74-483.00R.
Amos, Everett A. Security door system. 4,823,510, 4-25-89, Cl. 49-383.000.
Amos, Michael D.; Brosnan, Denis A.; Samas, Mark V.; Singer, Richard E.; Whetsel, James E.; and Kovarik, David P., to Erico Interna-

tional Corporation. Exothermic welding apparatus including a baffle cover assembly. 4,881,677, 11-21-89, Cl. 228-33.000.
Amos, Michael D.; Kovarik, David P.; and Kub, George F., Jr., to Erico International Corporation. Exothermic welding and method. 4,885,452, 12-5-89, Cl. 219-130.400.
Amos, Michael D.: *See*—
  Brosnan, Denis A.; Whetsel, James E.; Singer, Richard E.; Sames, Mark V.; Amos, Michael D.; and Kovarik, David P., 4,889,324, Cl. 266-157.000.
  Kovarik, David P.; and Amos, Michael D., 4,879,452, Cl. 219-130.400.
Amos, Paul. Toy building pad. 4,869,039, 9-26-89, Cl. 52-585.000.
Amos, Robert O. Fisherman's alerting apparatus. 4,811,512, 3-14-89, Cl. 43-17.000.
Amos, Shaun M.; Backus, Richard J.; and Jessop, Thomas C., to Eastman Kodak Company. Enlarging photographic printer. 4,809,064, 2-28-89, Cl. 358-76.000.
Amos, Walter, to Blendax-Werke R. Schneider GmbH & Company. Two compartment container for mixing. 4,801,009, 1-31-89, Cl. 206-222.000.
Amos, Walter, to Blendax-Werke,R.Schneider GmbH & Co. Two compartment container. 4,846,342, 7-11-89, Cl. 206-222.000.
Amour, Sean: *See*—
  Sanctuary, Clifford; Amour, Sean; and Hsieh, Shao-Rong R., 4,813,877, Cl. 434-14.000.
Amoyal, William E.; and Franckx, Joris R. I., to Raychem Corporation. Splice case. 4,885,432, 12-5-89, Cl. 174-92.000.
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  Abendschein, Frederic H.; Derr, Paul B.; and Huber, John H., 4,795,229, Cl. 350-96.200.
  Abendschein, Frederic H.; and Huber, John H., 4,834,487, Cl. 350-96.200.
  Adlon, Daniel T.; and Arbogast, William C., Jr., 4,835,858, Cl. 29-868.000.
  Adlon, Daniel T.; and Folk, Kenneth F., 4,879,934, Cl. 83-76.900.
  Alwine, Kenneth T., 4,846,731, Cl. 439-651.000.
  Andrews, Howard W., Jr., 4,869,672, Cl. 439-60.000.
  Arechavaleta, Joe R.; Berg, William D.; and Dola, Frank P., 4,853,823, Cl. 361-100.000.
  Ashman, John J.; and Gilissen, Hermanus P. J., 4,807,955, Cl. 350-96.200.
  Asick, John C.; Landis, John M.; and Yingst, Stephen M., 4,798,542, Cl. 439-188.000.
  Asick, John C.; and Yingst, Stephen M., 4,842,549, Cl. 439-464.000.
  Assini, John E.; Kissinger, Paula A.; and Taylor, Lance S., 4,865,555, Cl. 439-82.000.
  Ayer, Kenneth N., 4,852,252, Cl. 29-860.000.
  Babow, David A., 4,871,319, Cl. 439-77.000.
  Baker, Robert W., 4,795,353, Cl. 439-92.000.
  Baker, Robert W., 4,806,120, Cl. 439-399.000.
  Bakermans, Johannes C. W.; and Grabbe, Dimitry G., 4,809,576, Cl. 83-155.000.
  Bakermans, Johannes C. W.; and Grabbe, Dimitry G., 4,819,476, Cl. 72-456.000.
  Bakermans, Johannes C. W.; and Studer, John R., 4,821,556, Cl. 72-420.000.
  Bakermans, Johannes C. W.; and Owzar, Abdollah, 4,821,615, Cl. 83-147.000.
  Bakermans, Johannes C. W., 4,874,338, Cl. 439-851.000.
  Bakermans, Johannes C. W.; and Grabbe, Dimitry G., 4,884,484, Cl. 83-145.000.
  Bakermans, Johannes C. W., 4,887,452, Cl. 72-420.000.
  Bates, Reginald A., 4,864,081, Cl. 174-88.00R.
  Batty, William, 4,820,204, Cl. 439-681.000.
  Beamenderfer, Robert E.; Conley, Larry E.; Miller, Charles A.; Nauman, Warren D.; Pala, Ronald S.; and Zelko, William E., 4,834,674, Cl. 439-494.000.
  Beamenderfer, Robert E.; Long, William B.; and Shuey, John R., 4,880,388, Cl. 439-108.000.
  Beinhaur, Ernest L., 4,828,351, Cl. 350-96.200.
  Beinhaur, Ernest L.; Daly, John K.; Kreinberg, Earl R.; and Vinson, Paul, 4,834,673, Cl. 439-422.000.
  Bennett, Glenn E.; Daly, John Kevin; Grebe, Robert K.; and Lucius, John E., 4,887,976, Cl. 439-492.000.
  Bianca, Giuseppe, 4,822,236, Cl. 439-610.000.
  Bianchi, Edward A.; and Gutter, David H., 4,809,424, Cl. 29-564.200.
  Billman, Timothy B.; and Goodman, Joseph R., 4,824,392, Cl. 439-331.000.
  Billman, Timothy B.; and Goodman, Joseph R., 4,886,470, Cl. 439-266.000.
  Birch, Norman R.; and Pauza, William V., 4,842,544, Cl. 439-387.000.
  Bogar, Jerry H.; and Forney, Edgar W., 4,824,399, Cl. 439-578.000.
  Bogar, Jerry H.; Cassel, Willard F., Jr.; Mummey, Dale B.; Oberman, Carl D.; and Summers, Donald J., 4,861,271, Cl. 439-63.000
  Boutcher, Andrew G., Jr., 4,837,926, Cl. 29-747.000.
  Bowen, Terry P.; Harms, Sherry J.; and Hoffer, John C., 4,874,218, Cl. 350-96.200.
  Boyd, David M.; Barwick, Daniel L.; Chestnut, Dennis H.; Jones, Timothy W.; Walburn, Douglas M.; and Wilt, Larry J., 4,813,147, Cl. 33-501.030.
  Brown, Christopher K.; Moyer, Carl L.; Shipe, Joanne E.; and Walter, Herman D., 4,870,752, Cl. 29-866.000.
  Bures, Milan; Kratochvil, Paul P.; and Rowlette, John R., 4,855,590, Cl. 250-221.000.
  Capp, Randolph E.; Laudig, Ronald C.; and Michael, George W III, 4,795,352, Cl. 439-63.000.
  Capp, Randolph E.; Johnescu, Michael M.; Laudig, Ronald C Michael, George W.; and Smith, Donald L., 4,799,900, C 439-585.000.
  Capp, Randolph E., 4,813,887, Cl. 439-580.000.
  Capp, Randolph E.; Laudig, Ronald C.; and Michael, George W III, 4,850,905, Cl. 439-885.000.
  Caron, Bernard G.; and Hoffer, John C., 4,846,564, Cl. 350-96.20
  Caron, Bernard G.; Gutterman, Pamela R.; and Murray, Dale D 4,878,731, Cl. 350-96.210.
  Chandler, Curtis S.; and Marsh, Edward K., 4,884,981, C 439-610.000.
  Chang, Paul S.; and Steely, Lee W., 4,847,832, Cl. 370-85.000.
  Cohen, Thomas S., 4,804,339, Cl. 439-588.000.
  Coon, Paul A., 4,871,326, Cl. 439-502.000.
  Cosmos, Pete; Mosser, Benjamin H., III; and Ohl, William C 4,842,554, Cl. 439-609.000.
  Cosmos, Peter; and Ohl, William C., 4,842,555, Cl. 439-609.000.
  Cvijanovich, George B.; Williams, Richard T.; and Wu, Jeff C 4,832,798, Cl. 204-15.000.
  Daly, John K.; and Kreinberg, Earl R., 4,859,204, Cl. 439-424.00
  Davis, Wayne S., 4,842,542, Cl. 439-357.000.
  Davis, Wayne S., 4,842,543, Cl. 439-378.000.
  Dawson, Andrew J., Jr.; Farrar, John C.; Pirc, Douglas J.; a Taylor, Atalee S., 4,880,397, Cl. 439-620.000.
  Defibaugh, George R.; and Ohl, William C., 4,842,547, C 439-460.000.
  deJong, Peter C.; Elicker, Robert W.; and Zola, Thomas 4,824,387, Cl. 439-248.000.
  Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; a Sotolongo, Thomas J., 4,867,696, Cl. 439-212.000.
  Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; a Sotolongo, Thomas J., 4,869,676, Cl. 439-79.000.
  Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; a Sotolongo, Thomas J., 4,875,865, Cl. 439-101.000.
  Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; Lau bach, John H.; Sotolongo, Thomas J.; and Zwieg, Grover A 4,881,905, Cl. 439-79.000.
  Denlinger, Keith R.; Glatfelter, Scott; and Hunt, Alexander, I 4,850,888, Cl. 439-188.000.
  Denlinger, Keith R.; and Rudy, William J., Jr., 4,867,597, C 403-285.000.
  Dola, Frank P.; Feldman, Steven; and Erwin, John K., 4,874,3 Cl. 439-210.000.
  Douty, George H.; Snyder, Clair W., Jr.; and Staron, James 4,826,442, Cl. 439-92.000.
  Emadi, Athahusain; and Mignogna, Daniel J., 4,834,678, C 439-701.000.
  Evans, William R.; Granitz, Richard F.; and Schmedding, Geor R., 4,838,798, Cl. 439-61.000.
  Farrar, John C.; Ney, Reuben E.; Schroeder, James L., III; a Yeager, Patrick F., 4,820,174. Cl. 439-95.000.
  Fleak, David S.; Rose, William H.; and Taylor, Attalee 4,812,133, Cl. 439-248.000.
  Fleak, David S.; Koegel, Keith S.; Long, William B.; Moist, Sta ford C., Jr.; and Nauman, Warren D., 4,875,877, Cl. 439-497.00
  Fleming, David F.; Kerlin, Harold W.; Pauza, William V.; a Sheesley, Wilmer L., 4,884,982, Cl. 439-620.000.
  Fleshman Jr., William D., 4,886,471, Cl. 439-587.000.
  Flickinger, Steven L.; Gutterman, Pamela R.; and Hadley, Way B., 4,808,816, Cl. 250-227.000.
  Folk, Kenneth F., 4,817,781, Cl. 198-627.000.
  Forker, Donald L.; and Skipper, Gregory E., 4,826,447, C 439-328.000.
  Frantum, Albert W., Jr.; Lawhead, Jack W.; and Loose, Winfie W., 4,795,364, Cl. 439-407.000.
  Frantz, Richard P., 4,795,380, Cl. 439-860.000.
  Frantz, Robert H., 4,842,528, Cl. 439-80.000.
  Frantz, Robert H.; and Whiteman, Robert N., Jr., 4,842,529, C 439-95.000.
  Frantz, Robert H., 4,842,552, Cl. 439-557.000.
  Fritz, William B., 4,859,205, Cl. 439-492.000.
  Fujiura, Yoshitsugu, 4,838,808, Cl. 439-357.000.
  Funke, Klaus E., 4,850,045, Cl. 455-607.000.
  Gallagher, Robert E., Sr., 4,842,137, Cl. 206-328.000.
  Galloway, Michael D.; Rose, William H.; and Shaffer, David 4,842,525, Cl. 439-34.000.
  Gerst, Michael; Knapp, Horst J. T.; and Maack, Werner, 4,835,8 Cl. 29-747.000.
  Gilissen, Hermanus P. J.; Teurlings, Lucas G. C.; and van La hoven, Antonius P. H. M., 4,828,503, Cl. 439 62.000.
  Gingerich, David J.; Rose, William H.; Rupnik, David W.; a Shaffer, David T., 4,805,885, Cl. 267-165.000.
  Glover, Douglas W.; Granitz, Richard F.; Harner, Donald Kreinberg, Earl R.; Vinson, Paul; Wanat, John W.; and Wolo icz, James P., 4,846,699, Cl. 439-64.000.
  Glover, Douglas W.; and Granitz, Richard F., 4,846,727, C 439-608.000.
  Goodman, Joseph R.; and Thrush, Roger L., 4,841,105, Cl. 3 16.00D.
  Gordon, Eugene I.; Nielsen, Robert J.; and Stafford, John 4,818,053, Cl. 350-96.180.
  Gorjat, Jean, 4,866,842, Cl. 29-857.000.
  Goto, Kazuhiro, 4,817,493, Cl. 89-1.140.

  Grabbe, Dimitry G.; and Korsunsky, Iosif, 4,810,616, Cl. 430-269.000.
  Grabbe, Dimitry G.; and Korsunsky, Iosif, 4,832,612, Cl. 439-71.000.
  Grabbe, Dimitry G.; Granitz, Richard F.; Bakker, Roel J.; Milbrand, Donald W., Jr.; and Masterson, Earl E., 4,836,791, Cl. 439-79.000.
  Grabbe, Dimitry G., 4,873,615, Cl. 361-395.000.
  Grabbe, Dimitry G.; and Korsunsky, Iosif, 4,880,386, Cl. 439-68.000.
  Grebe, Robert K.; Lucius, John E.; and Szczesny, David S., 4,872,844, Cl. 439-69.000.
  Griffiths, Wayne S., 4,867,698, Cl. 439-317.000.
  Grosklos, John R.; and Schlegel, Dallas E., 4,821,383, Cl. 29-33.00M.
  Gutterman, Pamela R.; Harms, Sherry J.; and Hoffer, John C., 4,854,660, Cl. 350-96.180.
  Haddock, John T.; Miller, Charles A.; Moist, Stanford C., Jr.; Nauman, Warren D.; and Pala, Ronald S., 4,881,911, Cl. 439-484.000.
  Hasegawa, Izumi; and Kamono, Takashi, 4,820,175, Cl. 439-98.000.
  Hatfield, John G., 4,809,571, Cl. 81-355.000.
  Hayes, Earl J.; and VanDerStuyf, Allen F., 4,810,208, Cl. 439-589.000.
  Hayes, Earl J.; and Ortega, Jose L., 4,846,701, Cl. 439-620.000.
  Herrmann, Henry O., Jr.; and Steely, Lee W., 4,845,708, Cl. 370-85.000.
  Himes, John L., Jr.; and Wise, James H., 4,845,592, Cl. 361-407.000.
  Hoffer, John C.; and Schaffer, Ronald R., 4,798,440, Cl. 350-96.200.
  Hoffman, Norman E., 4,827,604, Cl. 29-622.000.
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Nakao, Fujio; Yamamoto, Nobuyuki; and Anai, Katumi, 4,867,852, Cl. 204-130.000.

Analgesic Associates: *See—*
Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,829,064, Cl. 514-255.000.
Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,839,354, Cl. 514-226.500.
Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,840,962, Cl. 514-406.000.
Sunshine, Abraham; and Laska, Eugene M., 4,851,444, Cl. 514-570.000.
Sunshine, Abraham; and Laska, Eugene M., 4,868,214, Cl. 514-568.000.
Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,871,733, Cl. 514-212.000.
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Analink Developments Limited: *See—*
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Analog Devices, Inc.: *See—*
Barrow, Jeffrey G., 4,862,073, Cl. 324-78.00R.
Barrow, Jeffrey G.; and Brokaw, Adrian P., 4,879,505, Cl. 323-312.000.
Barrow, Jeffrey G.; and Brokaw, Adrian P., 4,885,585, Cl. 341-169.000.
Brokaw, A. Paul, 4,855,618, Cl. 307-296.600.
Brokaw, Adrian P., 4,857,862, Cl. 330-261.000.
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Fernandes, John W.; Miller, Gerald A.; Mallinson, Andrew M.; and Lewis, Stephen R., 4,804,960, Cl. 341-158.000.
Fernandes, John W.; Miller, Gerald A.; and Mallinson, Andrew M., 4,814,767, Cl. 341-158.000.
Garde, Douglas, 4,811,296, Cl. 365-189.000.
Gerstenhaber, Moshe; and Libert, Robert J., 4,855,684, Cl. 330-257.000.
Lewis, Stephen R.; and Brokaw, A. Paul, 4,808,908, Cl. 323-313.000.
Mangelsdori, Christopher W., 4,884,075, Cl. 341-159.000.
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Analogic Corporation: *See—*
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Analyte Corporation: *See—*
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Analytic Sciences Corporation, The: *See—*
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Analytic Services, Inc.: *See—*
Draim, John E., 4,809,935, Cl. 244-158.00R.

Analytical Innovations, Inc.: *See—*
Akers, Susan; and Akers, Raymond F., Jr., 4,806,487, Cl. 436-93.000.
Akers, Susan; and Akers, Raymond F., Jr., 4,816,415, Cl. 436-93.000.

Analytical Instruments Limited: *See—*
Jenkins, Anthony, 4,831,254, Cl. 250-287.000.
Vinton, Melvin; and Hawes, Anthony D. M., 4,803,868, Cl. 73-49.300.

Analytical Security Systems Limited: *See—*
Bather, John M., 4,820,920, Cl. 250-282.000.

Anamartic Limited: *See—*
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McDonald, Neal, 4,847,615, Cl. 340-825.020.
Sinclair, Alan W., 4,882,706, Cl. 365-180.000.

Anami, Kenji; Ichinose, Katsuki; and Wada, Tomohisa, to Mitsubishi Denki Kabushiki Kaisha. Static random access memory with reduced soft error rate. 4,879,690, 11-7-89, Cl. 365-201.000.

Anan, Yoshiaki: *See—*
Doi, Shigetoshi; Anan, Yoshiaki; Nagaoka, Hirofumi; Iida, Katsumi; and Sakurai, Yoshihiko, 4,827,730, Cl. 62-127.000.
Yukitomo, Kazuo; Anan, Yoshiaki; Hattori, Masaichi; Arakawa, Kaneyasu; Hanaki, Akira; and Kihira, Koichi, 4,801,770, Cl. 200-61.270.

Ananchenko, Tatyana P.: *See--*
Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.

Anand, Joginder N.; Feay, Darrell C.; Bales, Stephen E.; and Jeanes, Thomas O., to Dow Chemical Company, The. Semi-permeable membranes consisting predominantly of polycarbonates derived from tetrahalobisphenols. 4,818,254, 4-4-89, Cl. 55-316.000.
Anand, Joginder N.; Bales, Stephen E.; Feay, Darrell C.; and Jeanes, Thomas O., to Dow Chemical Company, The. Tetrabromo bisphenol based polyestercarbonate membranes and method of using. 4,840,646, 6-20-89, Cl. 55-16.000.

Anand, Madhu: *See—*
Langsam, Michael; Puri, Pushpinder S.; Anand, Madhu; and Laciak, Daniel V., 4,859,215, Cl. 55-16.000.

Anand, Raj K.: *See—*
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Anantha, Narasipur G.; Bhatia, Harsaran S.; Gaur, Santosh P.; and Mauer, John L., IV, to International Business Machines Corporation. Schottky diode having limited area self-aligned guard ring and method for making same. 4,796,069, 1-3-89, Cl. 357-15.000.
Anao, Kimiharu; Hori, Yoshitsugu; Shimamaki, Keiichi; and Sato, Tadashi, to Murata Manufacturing Co., Ltd. Mounting arrangement of chip type component onto printed circuit board. 4,870,225, 9-26-89, Cl. 174-68.500.
Anapliotis, Emmanuel, to Mecron Medizinische Produkte GmbH. Drilling system for insertion of an endoprosthesis. 4,809,689, 3-7-89, Cl. 128-92.0VD.

Anapliotis, Emmanuel: *See—*
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Kranz, Curt; and Anapliotis, Emmanuel, 4,878,917, Cl. 623-18.000.

Anastasakis, Philip, to Bryce Jones, a part interest. Basketball goal. 4,869,501, 9-26-89, Cl. 273-1.50R.

Anastasiadi, Emanuil F.: *See—*
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Anastasio, Jerry. Segmented deck. 4,833,842, 5-30-89, Cl. 52-79.600.

Anatel Corporation: *See—*
Blades, Frederick K.; and Godec, Richard D., 4,868,127, Cl. 436-146.000.

Anayama, Yoshimasa, to Sanoya Industries Co., Ltd. Radiation shielding material and process for preparing the same. 4,865,769, 9-12-89, Cl. 252-478.000.

Anazawa, Osamu, to Sanden Corporation. Article storage and dispensing device with sold out indicating mechanism. 4,872,592, 10-10-89, Cl. 221-6.000.

Anazawa, Osamu: *See—*

Kurosawa, Akihito; Suzuki, Kazuyuki; Anazawa, Osamu; and Yoshihara, Masayuki, 4,854,477, Cl. 221-1.000.

Anceau, Francois, to Bull S.A. Dynamic logic array with isolation and latching means between planes. 4,812,685, 3-14-89, Cl. 307-481.000.

Ancell, Stephen W.: *See—*

Hass, Tave; Ancell, Stephen W.; and Porter, Curtis H., 4,850,242, Cl. 74-512.000.

Anchor Group, The: *See—*

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Bayer, John W., 4,835,035, Cl. 428-187.000.

Bayer, John W.; Dullabaun, Paul W.; and Swierczek, Zbigniew, 4,863,030, Cl. 206-427.000.

Hayes, Thomas H.; and Lo Maglio, Lewis C., 4,836,423, Cl. 222-257.000.

Ochs, Charles S.; and Koontz, Carl E., 4,803,031, Cl. 264-255.000.

Ochs, Charles S., 4,809,858, Cl. 215-276.000.

Ochs, Charles S., 4,813,561, Cl. 215-252.000.

Ochs, Charles S., 4,852,753, Cl. 215-271.000.

Ochs, Charles S., 4,875,594, Cl. 215-252.000.

Anchor Swan, Division of Harvard Indust. Inc.: *See—*

Hangebrauck, Calvin G., 4,829,654, Cl. 29-508.000.

Anchor Tech., Inc.: *See—*

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Anciens Etablissements Warin Fils BWF: *See—*

Dumoulin, Patrick; and Recalt, Hugues, 4,860,524, Cl. 54-44.000.

Ancile Inc.: *See—*

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Ancillotti, Francesco: *See—*

Forlani, Orfeo; Ancillotti, Francesco; and Notari, Bruno, 4,814,542, Cl. 585-666.000.

Ancker, Fred H.; and Ashcraft, Arnold C., Jr., to Union Carbide Corporation. Impact promoters for mineral-filled thermoplastics. 4,795,768, 1-3-89, Cl. 523-200.000.

Ancker, Fred H., to Union Carbide Chemicals and Plastics Company Inc. Method of preparing mixtures of incompatible hydrocarbon polymers. 4,873,116, 10-10-89, Cl. 428-36.900.

Ancker, Fred H.: *See—*

Leung, Pak S.; Goddard, Errol D.; and Ancker, Fred H., 4,857,593, Cl. 525-92.000.

Ancon Management Incorporated: *See—*

Hardin, Bret J., 4,830,755, Cl. 210-662.000.

Ancona, Bruce: *See—*

Ancona, Jane; and Ancona, Bruce, 4,836,396, Cl. 220-212.000.

Ancona, Jane; and Ancona, Bruce, to M. Kamenstein, Inc. Combination canister cover and cookie cutter. 4,836,396, 6-6-89, Cl. 220-212.000.

Ancor Communications, Inc.: *See—*

Anderson, Terry M.; and Cornelius, Robert S., 4,821,034, Cl. 340-825.800.

Ancra Corporation: *See—*

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Nordstrom, Arnold, 4,878,635, Cl. 244-137.100.

And Yet, Inc.: *See—*

Graham, Martin H., 4,800,344, Cl. 333-25.000.

Andco Environmental Processes, Inc.: *See—*

Uhrich, Kevin D., 4,880,510, Cl. 204-131.000.

Ande, Charles F.; and Selz, Mark E., to Oscar Mayer Foods Corporation. Method for coloring meat. 4,877,626, 10-31-89, Cl. 426-250.000.

Andera, Joseph F.; and Kaldis, Pete, to Stereo Optical Company, Inc. Vision tester with color corrected illuminating system. 4,844,607, 7-4-89, Cl. 351-245.000.

Andereya, Erwin: *See—*

Roscher, Gunter; Schmidt, Karl H.; Hey, Hansjorg; Langner, Horst; and Andereya, Erwin, 4,818,347, Cl. 203-42.000.

Anderka, Gerold, to Rotring-werke Riepe KG. Sign cutting device. 4,854,205, 8-8-89, Cl. 83-529.000.

Anderka, Gerold; and Jozat, Walter. Spacers for use as string protectors for tennis, squach and badminton rackets, and device for inserting these parts. 4,863,168, 9-5-89, Cl. 273-73.00D.

Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Security file system for a portable data carrier. 4,816,653, 3-28-89, Cl. 235-380.000.

Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Improved security system for a portable data carrier. 4,816,654, 3-28-89, Cl. 235-380.000.

Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Security file system and method for securing data in a portable data carrier. 4,882,474, 11-21-89, Cl. 235-380.000.

Anderle, Friedrich; Costescu, Dan L.; Kempf, Stefan; Novak, Emmerich; and Zejda, Jaroslav, to Leybold Aktiengesellschaft. Apparatus on the carousel principle for coating substrates. 4,886,592, 12-12-89, Cl. 204-298.000.

Anderle, Friedrich: *See—*

Helms, Dirk; Katzschner, Werner; Pawlakowitsch, Anton; and Anderle, Friedrich, 4,869,801, Cl. 204-298.000.

Anderley, John J.: *See—*

McMillen, Ronald R.; and Anderley, John J., 4,882,116, Cl 264-254.000.

Anderman, Menahem; and Johnson, Steven L., to W. R. Grace & Co.-Conn. Cathodic electrode. 4,853,305, 8-1-89, Cl. 429-212.000.

Andermann, Guy; de Burlet, Georges; Dietz, Michel; and Spittler, Joseph, to Laboratoires P.O.S. Two part tissue irrigating solution 4,837,021, 6-6-89, Cl. 424-602.000.

Andermann, Guy; Spittler, Joseph; Zilliox, Patricia; and Mergel, Dominique, to Laboratoires, P.O.S. Hydrogen peroxide disinfecting system for contact lenses. 4,880,601, 11-14-89, Cl. 422-28.000.

Andermann, Guy: *See—*

LeClerc, Gerard; Huber, Didier; Himber, Jacques; and Andermann, Guy, 4,801,617, Cl. 514-392.000.

Andermann, Ronald E.: *See—*

Martindale, David C.; Andermann, Ronald E.; and Mowry, John R., 4,795,844, Cl. 585-415.000.

Andermo, Nils I., to Mitutoyo Corporation. Capacitive type measurement transducer with improved electrode arrangement. 4,878,01 10-31-89, Cl. 324-61.00R.

Andermo, Nils I., to Mitutoyo Corporation. Capacitance-type measu ing device for absolute measurement of positions. 4,879,508, 11-7-8 Cl. 324-61.00R.

Anders, Edward O., to Anders Energy Corporation. System for completing and maintaining lateral wells. 4,838,353, 6-13-89, C 166-369.000.

Anders, Edward O., to Anders Energy Corporation. Method an system for maintaining and producing horizontal well bore 4,878,539, 11-7-89, Cl. 166-303.000.

Anders Energy Corporation: *See—*

Anders, Edward O., 4,838,353, Cl. 166-369.000.

Anders, Edward O., 4,878,539, Cl. 166-303.000.

Anders, Frank W.; Herring, Joseph C.; and White, Douglas A., t Intelli-Tech Corporation. Manufacturing monitoring and contr systems. 4,827,395, 5-2-89, Cl. 364-138.000.

Anders, Gary H.; and Moran, James A., Jr., to Frito-Lay, Inc. Appa tus for slicing food pieces. 4,852,441, 8-1-89, Cl. 83-155.000.

Anders, Michael; and Heiden, Christoph, to Ernst Leitz Wetzla GmbH. Piezoelectric precision positioning device. 4,859,896, 8-22-8 Cl. 310-328.000.

Anders, Robert J.; Cerveny, John G.; and Milkowski, Andrew L., t Oscar Mayer Foods Corporation. Method for delaying *Clostridiu botulinum* growth in fish and poultry. 4,798,729, 1-17-89, C 426-326.000.

Anders, Robert J.; Cerveny, John G.; and Milkowski, Andrew L., t Oscar Mayer Foods Corporation. Method for delaying *Clostridiu botulinum* growth in fish and poultry. 4,888,191, 12-19-89, C 426-281.000.

Andersen, Bent S.; and Therkildsen, Jens, to A/S Fibo. Method and a apparatus for producing compound block members, especially buil ing blocks having a heat insulating intermediate layer. 4,853,16 8-1-89, Cl. 264-46.500.

Andersen, Carl E.: *See—*

Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charle W., Jr.; Blais, Louis G.; Andersen, Carl E.; and Feeley, J. Te ence, 4,830,261, Cl. 228-102.000.

Andersen, David A., to Wescotek, Inc. Fly attractant. 4,849,21 7-18-89, Cl. 424-84.000.

Andersen, David R.; and Cuykendall, Robert R., to University of Iow Research Foundation. Digital optical interaction gate. 4,811,2 3-7-89, Cl. 364-713.000.

Andersen, Delmar L.; Keller, David J.; and Streiff, Paul J., to Borde Inc. Calcium fortified aseptically packaged milk. 4,851,243, 7-25- Cl. 426-74.000.

Andersen, Delmar L.; Keller, David J.; and Streiff, Paul J., to Borde Inc. Shelf-stable aseptic dairy product. 4,888,194, 12-19-89, C 426-570.000.

Andersen, Erik: *See—*

Quinn, David G.; Edwards, Robert B., II; and Andersen, Eri 4,795,430, Cl. 604-97.000.

Quinn, David G.; Edwards, Robert B., II; Andersen, Erik; a Thompson, Michael Q., 4,834,712, Cl. 604-175.000.

Andersen, Gerald L.; Howes, Ronald D.; and Meyocks, Richard D., t Pioneer Hi-Bred International, Inc. Means for identifying the pare age and performance characteristics of seed. 4,858,352, 8-22-89, C 40-299.000.

Andersen, Ingvar T.; and Eriksson, Jan E., to Asea Brown Boveri A Mold stirrer. 4,842,043, 6-27-89, Cl. 164-504.000.

Andersen, James K.; and Hikes, Carl L., to Westinghouse Elec Corp. Underwater electrical connector. 4,874,324, 10-17-89, C 439-271.000.

Andersen, Jorgen B.; and Raskmark, Povl, to Danish Hyperthe Foundation, The. Electromagnetic applicator and method for loca ing hyperthermia heating in a system. 4,819,642, 4-11-89, Cl. 1 419.00R.

Andersen, Leonard M. Coated electrode for arc welding. 4,804 2-14-89, Cl. 219-145.230.

Andersen, Michael A.: *See—*

Danielak, Ann C.; Andersen, Michael A.; and Disko, Ha 4,832,339, Cl. 273-45.000.

Andersen, Niels H.: *See—*

Stanton, Thomas H.; Clagett, James A.; Schindele, Deborah C.; Renzoni, George E.; Andersen, Niels H.; and Opheim, Kent E., 4,803,170, Cl. 436-518.000.

Andersen, Ole R., to Aktieselskabet Nordiske Kabel-og Traadfabriker. Process for signal processing of reflected pulses and an apparatus for performing the process. 4,816,669, 3-28-89, Cl. 250-227.000.

Andersen, Phillip J.; and Parr, Jack E., to Zimmer, Inc. Implant and method for production thereof. 4,863,475, 9-5-89, Cl. 623-16.000.

Andersen, Robert D., to Datatape, Incorporated. Voltage controlled resistor. 4,857,825, 8-15-89, Cl. 323-353.000.

Andersen, Robert P.; Scott, Paul F.; and Vozenilek, Edward F., to Emhart Industries Inc. Glass container wall thickness inspecting machine. 4,888,824, 12-19-89, Cl. 324-61.00R.

Andersen, Scott F.; Hooper, Norman L.; and Werle, Kent C. Apparatus and method for joining pipe sections underwater. 4,832,530, 5-23-89, Cl. 405-170.000.

Andersen, Stephen. Method for making an electrical contact. 4,827,612, 5-9-89, Cl. 29-882.000.

Andersen, Svend V.: *See—*

Maaloe, Jens; Budinka, Rudolf; and Andersen, Svend V., 4,813,042, Cl. 371-16.000.

Andersen, Timm. Magnetic socket and tool holder. 4,802,580, 2-7-89, Cl. 206-378.000.

Anderson, A. Edwin: *See—*

Brown, Billy R.; and Anderson, A. Edwin, 4,807,765, Cl. 211-162.000.

Anderson, A. Jerome; and Beze, Norman L., to Atlantic Richfield Company. Photovoltaic module. 4,830,038, 5-16-89, Cl. 136-251.000.

Anderson, Adrian J.: *See—*

Carey, Michael J.; and Anderson, Adrian J., 4,866,732, Cl. 375-1.000.

Anderson, Alan C.: *See—*

Bennitt, Robert A.; and Anderson, Alan C., 4,872,395, Cl. 92-139.000.

Anderson, Alan R. Microwave popcorn package. 4,810,844, 3-7-89, Cl. 219-10.55E.

Anderson, Albert G.; Eaton, David F.; Tam, Wilson; and Wang, Ying, to Du Pont de Nemours, E. I., and Company. Optical nonlinearity in organic and organometallic molecules via lattice inclusion complexation. 4,818,898, 4-4-89, Cl. 307-427.000.

Anderson, Alf, to Surelab Superior Research Laboratories, Inc. Golf ball retriever. 4,799,725, 1-24-89, Cl. 294-19.200.

Anderson, Allen B. Power driven underwater viewing platform. 4,840,592, 6-20-89, Cl. 441-135.000.

Anderson, Anthony T.; and Field, Nathaniel L., to Ford Motor Company. Method of making low friction finger follower rocker arms. 4,829,647, 5-16-89, Cl. 29-156.40R.

Anderson, Anthony T.; and Field, Nathaniel L., to Ford Motor Company. Method of making low friction finger follower rocker arms. 4,872,429, 10-10-89, Cl. 123-90.440.

Anderson, Arthur. Bull nose corner piece. 4,852,318, 8-1-89, Cl. 52-288.000.

Anderson, Arthur. Fence. 4,867,420, 9-19-89, Cl. 256-1.000.

Anderson, Arthur A.: *See—*

Johnson, Richard A.; Anderson, Arthur A.; and Boomgaard, Dirk J., 4,885,563, Cl. 340-310.00A.

Vercellotti, Leonard C.; Anderson, Arthur A.; Christiansen, David A.; Johnson, Dannis R.; Brickner, Laurence R.; Colclaser, Robert G., III; and Leddy, John G., 4,885,564, Cl. 340-310.00A.

Anderson, Arthur L.; Bailey, Douglas S.; and Korinek, Richard J., to Midwesco, Inc. Leak detector and locator utilizing time domain reflectometry and sampling techniques. 4,797,621, 1-10-89, Cl. 324-533.000.

Anderson, Axel W.: *See—*

Clarke, Michael R.; Steiner, Paul R.; and Anderson, Axel W., 4,824,896, Cl. 524-405.000.

Anderson, Barbara C.; and Young, Gerald P. Loom reed with removable dents. 4,844,131, 7-4-89, Cl. 139-192.000.

Anderson, Barry J.; and Arand, Dale S., to Procter & Gamble Company, The. Dual-stream juice processing for recovering juice solids from extractor core material. 4,871,569, 10-3-89, Cl. 426-489.000.

Anderson, Benjamin C.; and Curran, John H. Method for detecting voltage losses in a low voltage distribution system. 4,796,147, 1-3-89, Cl. 361-92.000.

Anderson, Bradley T., to Shaw-Walker Company. Table leg with wire raceway. 4,807,838, 2-28-89, Cl. 248-188.100.

Anderson, Carl. Scaffolding net system. 4,805,735, 2-21-89, Cl. 182-138.000.

Anderson, Carl, to Anderson-Cook, Inc. Roll forming notches in a thin-wall power transmission member. 4,819,468, 4-11-89, Cl. 72-71.000.

Anderson, Carl. Railing support clamp for scaffold. 4,856,616, 8-15-89, Cl. 182-113.000.

Anderson, Carl. Railing assembly for scaffold. 4,869,343, 9-26-89, Cl. 182-113.000.

Anderson, Carl. Mobile scaffolding system and scaffold support. 4,877,107, 10-31-89, Cl. 182-17.000.

Anderson, Carl, to Anderson-Cook, Inc. Roll forming notches in a thin-wall power transmission member. 4,882,926, 11-28-89, Cl. 72-469.000.

Anderson, Carl A., deceased; and by Anderson, Christine, legal representative. Multiple workpiece positioning fixture. 4,809,961, 3-7-89, Cl. 269-61.000.

Anderson, Carl C.: *See—*

Burkholder, Mary J.; Piccirilli, Barbara G.; Anderson, Carl C.; and Temple, Rodger G., 4,855,164, Cl. 427-385.500.

Anderson, Carl E.: *See—*

Killop, James T.; and Anderson, Carl E., 4,852,375, Cl. 72-88.000.

Anderson, Carl F.: *See—*

Anderson, Neal G.; and Anderson, Carl F., 4,826,973, Cl. 540-355.000.

Anderson, Carl J.; and Ewen, John F., to International Business Machines Corporation. Two level differential current switch MESFET logic. 4,831,284, 5-16-89, Cl. 307-450.000.

Anderson, Carson I.: *See –*

Janes, John B.; and Anderson, Carson I., 4,799,705, Cl. 280-477.000.

Anderson, Charles A. Downhole stabilizers. 4,848,490, 7-18-89, Cl. 175-323.000.

Anderson, Charles C.; Kolterman, Kristine M.; and Turner, Sam R., to Eastman Kodak Company. Negative-working polymers useful as X-ray or E-beam resists. 4,795,692, 1-3-89, Cl. 430-283.000.

Anderson, Charles D. Animal lift frame. 4,831,967, 5-23-89, Cl. 119-102.000.

Anderson, Charles E.: *See—*

Downs, Stephen R.; and Anderson, Charles E., 4,870,400, Cl. 340-825.310.

Anderson, Charles R.: *See—*

Anderson, Ronald G.; Anderson, Jeffrey S.; Anderson, Charles R.; Anderson, Todd A.; and Anderson, Darren G., 4,847,972, Cl. 29-401.100.

Anderson, Christine, legal representative: *See—*

Anderson, Carl A., deceased; and Anderson, Christine, legal representative, 4,809,961, Cl. 269-61.000.

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Anderson, Clark L.: *See—*

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Anderson, Clifford J.: *See—*

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Anderson, Colin; and Flora, Lawrence, to Procter & Gamble Company, The. Treatment of osteoporosis. 4,812,304, 3-14-89, Cl. 424-112.000.

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Anderson, Carl, 4,819,468, Cl. 72-71.000.

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Anderson, Daniel A.; Wojnar, Ronald C.; and Warchol, Mark F. A., to Aluminum Company of America. Filament drive circuit. 4,829,810, 5-16-89, Cl. 73-27.00R.

Anderson, Daniel F.: *See—*

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Anderson, Darren G.: *See—*

Anderson, Ronald G.; Anderson, Jeffrey S.; Anderson, Charles R.; Anderson, Todd A.; and Anderson, Darren G., 4,847,972, Cl. 29-401.100.

Anderson, David B.; and Wagner, Jack F., to Eli Lilly and Company. Growth hormone and thyroid hormone. 4,818,531, 4-4-89, Cl. 424-111.000.

Anderson, David B.; Schmiegel, Klaus K.; Veenhuizen, Edward L.; and Tuttle, Ronald R., to Eli Lilly and Company. Growth promotion. 4,849,453, 7-18-89, Cl. 514-653.000.

Anderson, David J., to Upjohn Company, The. Substituted benzothiazoles, benzimidazoles, and benzoxazoles. 4,873,346, 10-10-89, Cl. 548-157.000.

Anderson, David L.; and Korkowski, James F., to APV Douglas Machine Corporation. Container metering device. 4,832,178, 5-23-89, Cl. 198-461.000.

Anderson, David M.; and McGuire, Jeffrey C., to Genex Corporation. Vector for high level gene expression. 4,798,791, 1-17-89, Cl. 435-68.000.

Anderson, David M.: *See—*

Warner, Steven D.; Swick, William C.; and Anderson, David M., 4,821,993, Cl. 248-674.000.

Anderson, David S.; and Geddis, Michael E., to General Mills, Inc. Carton end closure. 4,887,718, 12-19-89, Cl. 206-611.000.

Anderson, David W., to Eleanor Roosevelt Institute for Cancer Research, Inc. T cell growth factor and method of making same. 4,822,735, 4-18-89, Cl. 435-68.000.

Anderson, David W., to Eleanor Roosevelt Institute for Cancer Research, Inc. Therapeutic method using T cell growth factor. 4,840,934, 6-20-89, Cl. 514-2.000.

Anderson, David W., Jr. Refrigeration cleaning and flushing system. 4,887,435, 12-19-89, Cl. 62-85.000.

Anderson, Dean H.; and Tomann, Mark M., to Hudson Valley Metal Works, Inc. Adjustable orientation apparatus with simultaneous adjustment of polar and declination angles. 4,875,052, 10-17-89, Cl. 343-882.000.

Anderson, Dean R. G. Rotary expansible chamber device. 4,797,077, 1-10-89, Cl. 418-201.000.

Anderson, Dennis C. Nesting preventer for bottle bases. 4,880,126, 11-14-89, Cl. 215-100.00R.
Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., to Immunex Corporation. DNA sequences encoding bovine interleukin-2. 4,882,282, 11-21-89, Cl. 435-252.300.
Anderson, Dirk N., to Texas Instruments Incorporated. Process for making vertically-oriented interconnections for VLSI devices. 4,808,552, 2-28-89, Cl. 437-187.000.
Anderson, Donald. Circular saw blade having removable teeth. 4,879,936, 11-14-89, Cl. 83-842.000.
Anderson, Donald A.; Davis, Philip L.; and Salkowski, Theodore J., to Stoelting, Inc. Aerator proportioner for a gravity feed frozen comestible freezer. 4,831,839, 5-23-89, Cl. 62-308.000.
Anderson, Donald L., Jr.; and Maerzke, James T., to Medical Engineering Corporation. Spiral ureteral stent. 4,813,925, 3-21-89, Cl. 604-8.000.
Anderson, Donald R.: *See—*
  Hogan, Thomas J., Jr.; Kasprick, Jon J.; Anderson, Donald R.; and Kersh, Douglas W., 4,841,456, Cl. 364-550.000.
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Anderson, Douglas B. Windshield repair device. 4,820,148, 4-11-89, Cl. 425-12.000.
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Anderson, Edward M. Deep fat food cooker having a fat pre-warmer. 4,854,299, 8-8-89, Cl. 126-380.000.
Anderson, Edwin A.; and Webb, Derrel D. Jar mechanism accelerator. 4,846,273, 7-11-89, Cl. 166-178.000.
Anderson, Emmett L. Sporting apparatus support device for the handicapped. 4,802,612, 2-7-89, Cl. 224-208.000.
Anderson, Eric W.: *See—*
  Ely, Donald B.; Ely, Dale A.; and Anderson, Eric W., 4,796,884, Cl. 272-113.000.
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Anderson, Erik H.: *See—*
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Anderson, Eugene A.: *See—*
  Gawlik, Gerald M.; Hoyt, Robert D.; and Anderson, Eugene A., 4,807,837, Cl. 248-125.000.
Anderson, Floyd E.; and Hamzik, Richard R., to Motorola, Inc. Standard cell array having fake gate for isolating devices from supply voltages. 4,851,892, 7-25-89, Cl. 357-45.000.
Anderson, Forrest. Device for imaging three dimensions using simultaneous multiple beam formation. 4,817,434, 4-4-89, Cl. 73-625.000.
Anderson, Frank C.; and Twedt, Dean E., to Coulter Electronics, Inc. Interlaboratory quality assurance program. 4,858,154, 8-15-89, Cl. 364-554.000.
Anderson, Frank E.; Gay, Christopher J.; Hightower, Scott A.; and Luton, Karen G., to International Business Machines Corporation. Keyboard arrangement with ghost key condition detection. 4,888,600, 12-19-89, Cl. 341-24.000.
Anderson, Frank J.; and Senak, Peter, Jr., to Superior Electric Company, The. Method and apparatus for controlling torque and torque ripple in a variable reluctance motor. 4,868,477, 9-19-89, Cl. 318-696.000.
Anderson, Fred J.: *See—*
  Kennedy, Richard A.; Zarabadi, Seyed R.; Anderson, Fred J.; and Stang, Marvin G., 4,866,779, Cl. 381-94.000.
Anderson, G. Scott; Galetta, Jon D.; MacGregor, D. Travis; and Prince, Clarence F., to Automated Artists Corp. Robotic airbrush apparatus. 4,864,966, 9-12-89, Cl. 118-668.000.
Anderson, Gary C.: *See—*
  Datta, Paul J.; Anderson, Gary C.; and Kressner, Bernhardt E., 4,801,494, Cl. 428-283.000.
Anderson, Gary D.; Hladik, Gerald J.; Mosher, Lawrence G.; Ricci, Raymond L.; and Yeh, Henry, to International Business Machines Corporation. Dynamic port reconfiguration. 4,868,783, 9-19-89, Cl. 364-900.000.
Anderson, Gary J.: *See—*
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Anderson, George: *See—*
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Anderson, George E.; and Loo, Shu, to United States of America, National Aeronautics and Space Administration. Fluid leak indicator. 4,864,847, 9-12-89, Cl. 73-40.700.
Anderson, George E.: *See—*
  Givens, Joe C.; Stevenson, William L.; Moses, Darcy; Kratochwill, William L.; and Anderson, George E., 4,869,910, Cl. 426-467.000.
Anderson, George F., to Muskin, Inc. Skim net assembly for cleaning swimming pools and the like. 4,846,972, 7-11-89, Cl. 210-238.000.
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Anderson, George W.: *See—*
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  Nixon, Henry M., Jr.; Anderson, George W.; and Giordano, John A., 4,831,811, Cl. 53-433.000.
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Anderson, Gregory H.; and Tarrant, Alan B., to Aaron, Charles, a par interest. Apparatus for retaining weights on a barbell. 4,817,94 4-4-89, Cl. 272-123.000.
Anderson, Gregory S.: *See—*
  Beck, Charles C.; and Anderson, Gregory S., 4,817,779, C 198-365.000.
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Anderson, Harvey G., to Pro Power Corporation. Saw blade structur with depth-control means. 4,796,502, 1-10-89, Cl. 83-834.000.
Anderson, Harvey G., to Pro Power Corporation. Conversion cha saw. 4,858,318, 8-22-89, Cl. 30-122.000.
Anderson, Herbert R., Jr.; Divakaruni, Renuka S.; Dynys, Joseph M Kandetzke, Steven M.; Kirby, Daniel P.; Master, Raj N.; and Case Jon A., to International Business Machines Corporation. Method o making multilayered ceramic structures having an internal distrib tion of copper-based conductors. 4,885,038, 12-5-89, Cl. 156-89.00
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Anderson, Howard B., II; Marks, Stephen D.; and Cook, Randall W., t Tandy Corporation. Overhead sprinkler head proximity alar 4,866,423, 9-12-89, Cl. 340-541.000.
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  Alaybayoglu, Erdem; Anderson, Ian D.; and Griffin, Robert 4,823,244, Cl. 362-194.000.
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Anderson, Ian M., to Courtaulds Packaging Australia Limited. Flexib containers. 4,854,734, 8-8-89, Cl. 383-66.000.
Anderson, J. Becher; and de Gelder, Jacob, to Leteron Mfg. Co. Tap cartridge for a lettering system. 4,823,953, 4-25-89, Cl. 206-408.00
Anderson, J. Becker: *See—*
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Anderson, J. R.: *See—*
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Anderson, James H.; Bugner, Douglas E.; DeMejo, Lawrence P Sutton, Richard C.; and Wilson, John C., to Eastman Kodak Co pany. Dry electrostatographic developer containing toner particle comprising a vinyl addition polymer containing a covalently bou quaternary phosphonium salt. 4,837,392, 6-6-89, Cl. 430-110.000.
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  Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawren P.; Guistina, Robert A.; and Anderson, James H., 4,812,378, C 430-110.000.
  Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawren P.; Guistina, Robert A.; and Anderson, James H., 4,834,920, C 260-501.150.
  Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawren P.; Guistina, Robert A.; and Anderson, James H., 4,840,864, C 430-110.000.
  Farkas, Richard W.; Rock, David A.; and Anderson, James H 4,889,975, Cl. 219-548.000.
Anderson, James R.; and Brander, Richard, to Beltone Electron Corporation. Compansion system. 4,829,270, 5-9-89, Cl. 333-14.00
Anderson, James R.; and Brander, Richard, to Beltone Electron Corporation. Differental voltage controlled exponential curr source. 4,876,499, 10-24-89, Cl. 323-312.000.
Anderson, James S.; Hoffman, Kenneth A.; Julis, Jeffrey E.; and Me cado, Malinda, to Bisco Products Inc. Fire block sheet and wrapp 4,822,659, 4-18-89, Cl. 428-99.000.
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Anderson, Jeffrey J.; and Moore, John S. Brazing of ink jet print head components using thin layers of braze material. 4,875,619, 10-24-89, Cl. 228-190.000.
Anderson, Jeffrey J.; Moore, John S.; Deur, Ted E.; and Roy, Joy. Manufacture of ink jet print heads by diffusion bonding and brazing. 4,883,219, 11-28-89, Cl. 228-190.000.
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Anderson, John D.; Harton, Lynn M.; and Hibbert, David A., to General Electric Company. Outlet box for electric busway system. 4,820,178, 4-11-89, Cl. 439-212.000.
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Anderson, Joseph; Baldi, Barney T.; and Engstrom, John M., to Bechtel International Corporation. Pressure/compression concrete joint seal. 4,861,043, 8-29-89, Cl. 277-1.000.
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Anderson, Karen L.; Pennebaker, William B.; and Pennington, Keith S., to International Business Machines Corporation. Method for enlarging an image stored in run representation form. 4,885,786, 12-5-89, Cl. 382-47.000.
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  Mitchell, Joan L.; Anderson, Karen L.; and Geortzel, Gerald, 4,888,645, Cl. 358-261.100.
Anderson, Kathleen H.; Lorence, Matthew W.; and DeVay, Gwen E., to Pillsbury Company, The. Method of microwave heating of starch-based products. 4,842,876, 6-27-89, Cl. 426-243.000.
Anderson, Keith G., to Ethyl Corporation. White bis-imide flame retardants. 4,873,341, 10-10-89, Cl. 548-462.000.
Anderson, Kenneth J. Kaleidoscopes having removable and replaceable designs. 4,815,801, 3-28-89, Cl. 350-4.100.
Anderson, Kenneth W.; and Hickner, Richard A., to Dow Chemical Company, The. Cationic, advanced epoxy resin compositions incorporating glycidyl ethers of oxyalkylated aromatic or cycloalkphatic diols. 4,863,575, 9-5-89, Cl. 204-181.700.
Anderson, Kenneth W.: *See—*
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Anderson, Kevin R.; and Sircar, Ila, to Warner-Lambert Company. 2-substituted-1,4-dihydropyridines. 4,820,842, 4-11-89, Cl. 546-135.000.
Anderson, Kevin W.; and Cialone, Henry J., to Battelle Memorial Institute. Method for inhibiting sulfide stress corrosion cracking and hydrogen induced stepwise cracking. 4,830,828, 5-16-89, Cl. 422-7.000.
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  Alexander, William; Anderson, Mark; and Regan, Barbara R., 4,824,901, Cl. 524-555.000.
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  Clevenger, James T., Jr.; Ashcroft, Dale A.; Strosser, Richard P.; and Anderson, Mark S., 4,856,612, Cl. 180-273.000.
Anderson, Martin; and Brinnand, Anthony G., to Du Pont de Nemours, E. I., and Company. Pesticidal benzoylurea compounds. 4,873,327, 10-10-89, Cl. 544-59.000.
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Anderson, Maynard L.; Sprunt, Eve S.; Wilson, Peggy M.; and Wooten, Susan O., to Mobil Oil Corporation. Method for minimizing mud solids invasion of core samples obtained during subsurface coring. 4,848,487, 7-18-89, Cl. 175-58.000.
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Anderson, Morell, to Pav-Saver Manufacturing Company. Double tamping bar vibratory screed. 4,828,428, 5-9-89, Cl. 404-102.000.
Anderson, Nathaniel C.; Miner, Marlin E.; Romankiw, Lubomyr T.; and Starcke, Steven F., to International Business Machines Corporation. Method for electroless plating. 4,842,886, 6-27-89, Cl. 427-10.000.
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Anderson, Neal P.; Giamei, Anthony F.; and Salkeld, Richard W., to United Technologies Corporation. Transverse directional solidification of metal single crystal articles. 4,804,311, 2-14-89, Cl. 415-191.000.
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  Takekoshi, Tohru; Anderson, Patricia P.; and Evans, Thomas L., 4,808,696, Cl. 528-353.000.
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Anderson, Philip M., III; Kearney, James E.; Suchomel, Michael; and Urbanski, Jeffrey C., to Allied Corporation. Keyless entry system having remote marker for motor vehicles. 4,868,915, 9-19-89, Cl. 340-825.310.

Anderson, Porter W.; and Clements, John D., to Praxis Biologics, Inc. Immunogenic conjugates of non-toxic *E. coli* LT-B enterotoxin subunit and capsular polymers. 4,808,700, 2-28-89, Cl. 530-403.000.

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Anderson, Ray W. Seed harvesting device. 4,815,261, 3-28-89, Cl. 56-126.000.

Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Brian, to Ceracon, Inc. Method of consolidating FeNdB magnets. 4,808,224, 2-28-89, Cl. 75-246.000.

Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Brian, to Ceracon, Inc. Method of consolidating FeNdB magnets. 4,869,869, 9-26-89, Cl. 419-44.000.

Anderson, Rex A. Hamburger grill spatula. 4,848,816, 7-18-89, Cl. 294-7.000.

Anderson, Richard: *See—*

Lewis, Martyn; and Anderson, Richard, 4,801,853, Cl. 318-7.000.

Anderson, Richard A. Electrician's hammer. 4,813,089, 3-21-89, Cl. 7-143.000.

Anderson, Richard A.; and Bowe, Gerald R., to Micro Component Technology, Inc. Disc singulator. 4,818,382, 4-4-89, Cl. 209-573.000.

Anderson, Richard A. Flexible circuit interconnection for a matrix addressed liquid crystal panel. 4,836,651, 6-6-89, Cl. 350-334.000.

Anderson, Richard A.: *See—*

Ihnat, Dale E.; Gilby, Anthony C. and Anderson, Richard A., 4,831,252, Cl. 250-227.000.

Martin, John R.; and Anderson, Richard A., 4,837,068, Cl. 428-133.000.

Wade, Franklin C.; Anderson, Richard A.; and Barron, Richard H., 4,808,037, Cl. 405-226.000.

Anderson, Richard C., Jr.: *See—*

Sainz, Mario A.; Anderson, Richard C., Jr.; Belmore, Richard J.; and Smith, Stanley B., Jr., 4,804,519, Cl. 422-81.000.

Anderson, Richard D., to Micro Component Technology, Inc. Shuttle actuated singulation apparatus. 4,813,573, 3-21-89, Cl. 221-233.000.

Anderson, Richard N., to Hunter Douglas Inc. Support for an operating element of a venetian blind assembly. 4,802,522, 2-7-89, Cl. 160-168.100.

Anderson, Richard N., to Hunter Douglas Inc. Clutch system for gear drive. 4,836,345, 6-6-89, Cl. 192-20.000.

Anderson, Richard N., to Hunter Douglas Inc. Vertical louvre blind traveller bridle. 4,872,499, 10-10-89, Cl. 160-168.100.

Anderson, Richard N.: *See—*

Carden, L. Eugene; and Anderson, Richard N., 4,864,712, Cl. 29-469.500.

Anderson, Richard S., to Transducer Technologies Inc. Transducer circuit. 4,806,783, 2-21-89, Cl. 307-118.000.

Anderson, Rickie J. Hanger of unframed art and the like. 4,830,325, 5-16-89, Cl. 248-475.100.

Anderson, Robert C.; Houlihan, William J.; Smith, Howard C.; and Villhauer, Edwin B., to Sandoz Pharm. Corp. Diaryl substituted cyclopentane and cyclopentene derivatives. 4,845,129, 7-4-89, Cl. 514-600.000.

Anderson, Robert E., to Grumman Aerospace Corporation. Structural members connected by interdigitating portions. 4,813,202, 3-21-89, Cl. 52-285.000.

Anderson, Robert E., to Grumman Aerospace Corporation. Advanced composite aircraft cowl. 4,826,106, 5-2-89, Cl. 244-117.00R.

Anderson, Robert E.; and Baritz, Michael L., to Handy Button Machine Company. Tack button and method of making the same. 4,875,257, 10-24-89, Cl. 24-90.00B.

Anderson, Robert E., to Grumman Aerospace Corporation. Structural connector utilizing tabbed support substructure. 4,875,795, 10-24-89, Cl. 403-279.000.

Anderson, Robert J.; Henry, James E.; and Keener, Harold M., to Ohio State University, The. Particulate material feeder utilizing vibration and aeration. 4,863,076, 9-5-89, Cl. 222-636.000.

Anderson, Robert K.; Foster, Ruth E.; and Carlson, Bertyl ..., to Alpha-M, Inc. One-hand adjustable lock for tether. 4,828,210, 5-9-89, Cl. 248-229.000.

Anderson, Robert K.; Foster, Ruth E.; and Levine, Jeffrey A., to University of Minnesota, Regents of the. Combination collar and muzzle humane training aid. 4,838,206, 6-13-89, Cl. 119-130.000.

Anderson, Robert L.; and Parks, John E., to General Motors Corporation. Snap-in nut for frame attachment to body. 4,828,440, 5-9-89, Cl. 411-85.000.

Anderson, Robert L. Locking cable for skis and poles. 4,867,478, 9-19-89, Cl. 280-814.000.

Anderson, Robert L., Jr.: *See—*

Abramovitz, Robert G.; Anderson, Robert L., Jr.; Busse, Frederick L.; Celarier, Stuart A.; Poublan, Jean-Yves H.; and Shorthill, Lawrence R., 4,809,351, Cl. 382-59.000.

Anderson, Robert O.: *See—*

Seider, Robert J.; Guichelaar, Philip J.; and Anderson, Robert O., 4,810,368, Cl. 209-2.000.

Anderson, Robert T.: *See—*

Barnhart, Victor J.; and Anderson, Robert T., 4,868,400, Cl. 250-506.100.

Anderson, Robert W.; Gee, Ralph L.; Indelicato, Jasper A.; and Patel, Arvind M., to International Business Machines Corporation. Method and apparatus with improved error correction and error information availability. 4,833,679, 5-23-89, Cl. 371-38.000.

Anderson, Roger N., to Columbia University in the City of New York, The Trustees of. Methods for monitoring temperature-vs-depth characteristics in a borehole during and after hydraulic fracture treatments. 4,832,121, 5-23-89, Cl. 166-254.000.

Anderson, Ron, to Texas Instruments Incorporated. Holder for triangular carpenter's square. 4,819,847, 4-11-89, Cl. 224-252.000.

Anderson, Ron J.: *See—*

Smith, Roy E.; and Anderson, Ron J., 4,819,566, Cl. 105-168.000.

Anderson, Ronald C., to Gates Energy Product, Inc. Battery terminal locking assembly. 4,883,729, 11-28-89, Cl. 429-179.000.

Anderson, Ronald G.; Anderson, Jeffrey S.; Anderson, Charles R.; Anderson, Todd A.; and Anderson, Darren G. Van apparatus for handicapped people and method of making same. 4,847,972, 7-18-89, Cl. 29-401.100.

Anderson, Ronald L., to J. I. Case Company. Compaction attachment for backhoe. 4,808,027, 2-28-89, Cl. 404-127.000.

Anderson, Ronald L., to Amoco Corporation. Borated lube oil additive. 4,873,009, 10-10-89, Cl. 252-49.600.

Anderson, Roy E., to Mobile Satellite Corporation. Low cost method and system for automatically steering a mobile directional antenna. 4,841,303, 6-20-89, Cl. 342-359.000.

Anderson, Roy R., Jr. Tie-rod anchoring apparatus and method. 4,830,544, 5-16-89, Cl. 405-260.000.

Anderson, Russell C., Jr., to General Motors Corporation. Multi-stage elastomeric seal with retainer. 4,796,896, 1-10-89, Cl. 277-181.000.

Anderson, Russell W. Heat loss reduction in rotating drum dryers. 4,815,969, 3-28-89, Cl. 432-103.000.

Anderson, Russell Y., to Solid State Devices. Dual connector printed circuit board assembly and method. 4,859,190, 8-22-89, Cl. 439-78.000.

Anderson-Samsonoff, Carol: *See—*

Almog, Rami; Anderson-Samsonoff, Carol, and Berns, Donald S. 4,839,294, Cl. 436-71.000.

Anderson, Sanford J. Infant pacifier. 4,796,628, 1-10-89, Cl. 128-360.000.

Anderson, Sara H.; and Lutgen, Noel F., to Liquid Air Corporation. Process for the production of a bath of molten metal or alloys. 4,806,156, 2-21-89, Cl. 75-96.000.

Anderson, Sara H.; McGeever, Jocelyne; McGeever, Casey; and Car Greg, to Liquid Air Corporation. Method to protect the surface of metal in vertical melting furnaces. 4,828,609, 5-9-89, Cl. 75-96.000.

Anderson, Scott, Sr., to Advanced Lighting International. Method of producing electroluminescence at a P-N junction and electroluminescing lamp. 4,849,672, 7-18-89, Cl. 313-499.000.

Anderson, Scott, Sr., to Advanced Lighting International. Method of producing electroluminescence and electroluminescing lamp. 4,857,803, 8-15-89, Cl. 313-509.000.

Anderson, Scott E. Waterfowl decoy. 4,845,872, 7-11-89, Cl. 43-3.000.

Anderson, Stanley K. Confined liquid flotation mattress. 4,858,26 8-22-89, Cl. 5-451.000.

Anderson, Stanwood L.: *See—*

Bartko, John; Anderson, Stanwood L.; Congedo, Thomas V.; and Ruddgy, Francis H., 4,804,514, Cl. 376-154.000.

Anderson, Stanwood L., Jr.: *See—*

Bartko, John; Schoch, Karl F., Jr.; Congedo, Thomas V.; and Anderson, Stanwood L., Jr., 4,857,259, Cl. 376-154.000.

Fero, Arnold H.; and Anderson, Stanwood L., Jr., 4,842,807, C 376-254.000.

Fero, Arnold H.; Anderson, Stanwood L., Jr.; and Sejvar, James 4,844,858, Cl. 376-254.000.

Anderson, Stephen E.: *See—*

Kolp, Robert J., Jr.; Anderson, Stephen E.; and Dickey, Jeffrey C. 4,867,333, Cl. 220-234.000.

Anderson, Stephen W.: *See—*

Lakey, Leroy E.; Peter, David A.; Chance, David A.; and Anderson, Stephen W., 4,883,973, Cl. 290-31.000.

Anderson, Steven D.: *See—*

Hayes, Paul C., Jr.; and Anderson, Steven D., 4,802,986, C 210-635.000.

Hayes, Paul C., Jr.; and Anderson, Steven D., 4,826,603, C 210-635.000.

Hayes, Paul C., Jr.; and Anderson, Steven D., 4,851,355, C 436-140.000.

Anderson, Steven L., to Motorola, Inc. Modem with improved cloc control and method therefor. 4,797,900, 1-10-89, Cl. 375-8.000.

Anderson, Steven L., to Motorola, Inc. Modem FSK demodulator method and apparatus. 4,800,575, 1-24-89, Cl. 375-80.000.

Anderson, Steven R. Apparatus for preparing adhesives for application 4,850,425, 7-25-89, Cl. 165-65.000.

Anderson, Steven R.: *See—*

Penn, Laurence R.; and Anderson, Steven R., 4,846,373, C 222-137.000.

Anderson Strathclyde PLC: *See—*

Gordon, William, 4,819,273, Cl. 455-605.000.

Harrison, William, 4,834,839, Cl. 198-839.000.

Herridge, Frederick J., 4,880,247, Cl. 279-79.000.

Jackson, Eric A., 4,838,362, Cl. 173-36.000.

Porteous, Alexander; and McIntosh, Angus J., 4,887,867, C 299-42.000.

Tomlinson, James E., 4,842,128, Cl. 198-735.000.

Anderson, Sylvia L.: *See—*

Rubin, Berish Y.; Anderson, Sylvia L.; Sullivan, Susan A.; Ol Lloyd J.; Williamson, Barbara D.; and Richards, Elizabeth C 4,870,163, Cl. 530-413.000.

Anderson, Terry M.; and Cornelius, Robert S., to Ancor Communications, Inc. Digital exchange switch element and network. 4,821,034, 4-11-89, Cl. 340-825.800.

Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., to Halliburton Company. Self-contained downhole gauge system. 4,866,607, 9-12-89, Cl. 364-422.000.

Anderson, Theodore: *See—*

Cotter, Terrence; Anderson, Theodore; Gansser, Robert; and Kryk, Louis, 4,823,441, Cl. 23-313.00R.

Anderson, Thomas M.: *See—*

Schwartz, Robert D.; Anderson, Thomas M.; and Fernandez, Enrique, 4,810,507, Cl. 426-33.000.

Schwartz, Robert D.; Anderson, Thomas M.; and Fernandez, Enrique, 4,851,235, Cl. 426-33.000.

Anderson, Thomas T.; Roop, Conard J.; Schmidt, Kenneth J.; and Gunchin, Elmer R., to United States of America, Energy. Pressure transducer. 4,829,828, 5-16-89, Cl. 73-728.000.

Anderson, Thor W. Automatic gain setting circuit. 4,861,978, 8-29-89, Cl. 250-214.00A.

Anderson, Todd A.: *See—*

Anderson, Ronald G.; Anderson, Jeffrey S.; Anderson, Charles R.; Anderson, Todd A.; and Anderson, Darren G., 4,847,972, Cl. 29-401.100.

Anderson, Vernon A.: *See—*

Hinman, Daryl E.; Anderson, Vernon A.; and Bumgardner, Jon H., 4,819,190, Cl. 364-521.000.

Anderson, Vernon B.: *See—*

Ong, Helen H.; Anderson, Vernon B., and Profitt, James A., 4,837,227, Cl. 514-450.000.

Anderson, Warren H., to Grumman Aerospace Corporation. Expandable racking system for trays or the like. 4,848,608, 7-18-89, Cl. 211-71.000.

Anderson, Wayne K., to Research Foundation of State University of New York, The. Method of treatment of solid cancer tumor of the colon or breast using pyrrole derivative. 4,806,561, 2-21-89, Cl. 514-427.000.

Anderson, Wayne M.: *See—*

Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., 4,808,673, Cl. 524-413.000.

Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., 4,830,988, Cl. 501-21.000.

Hang, Kenneth W.; and Anderson, Wayne M., 4,856,670, Cl. 220-2.10A.

Anderson, Wesley R., Jr.; Bodor, Nicholas S.; and Simpkins, James W., to University of Florida. Method for treating male sexual dysfunction. 4,863,911, 9-5-89, Cl. 514-176.000.

Anderson, Weston A., to Varian Associates, Inc. Photoelectric X-ray tube. 4,821,305, 4-11-89, Cl. 378-136.000.

Anderson, Weston A., to Varian Associates, Inc. High intensity x-ray source using bellows. 4,878,235, 10-31-89, Cl. 378-136.000.

Anderson, Wilford A., to Nye, Wilfred G., a part interest. Hand powered toy vehicle. 4,848,736, 7-18-89, Cl. 272-33.00R.

Anderson, Willard H. Horseshoe. 4,889,188, 12-26-89, Cl. 168-13.000.

Anderson, William B., to Rexnord Inc. Apron type conveyor. 4,840,269, 6-20-89, Cl. 198-822.000.

Anderson, William E. Christmas tree holder. 4,796,382, 1-10-89, Cl. 47-40.500.

Anderson, William L., Jr.; Sample, Larry A.; and Powell, Walter W., to Anderson Greenwood & Co. Dual active selector valve. 4,821,772, 4-18-89, Cl. 137-625.460.

Anderson, Yohann; and Robinson, Merritt A. Guitar mounted music holder. 4,832,302, 5-23-89, Cl. 248-443.000.

Andersson, Alf O. Process for increasing the solids content of black liquor at its recovery in a sulfate pulping process. 4,857,146, 8-15-89, Cl. 162-31.000.

Andersson, Alf O.; and Warnqvist, Bjorn S. Process for recovering energy and chemicals from spent liquor in pulp preparation. 4,872,950, 10-10-89, Cl. 162-15.000.

Andersson, Anders O., to Boeing Company, The. Active control system and method for reducing engine noise and vibration. 4,808,863, 2-28-89, Cl. 310-51.000.

Andersson, Bengt H.; and Palmgren, Kent I., to Autoliv-Cipro Aktiebolag. Method and apparatus for elimination of wheel spin of vehicles. 4,860,849, 8-29-89, Cl. 180-197.000.

Andersson, Birgitta S.; Zethraeus, Malin C.; Herngren, Torbjorn; and Gustafsson, Jan-Erik V., to STFI. Process and apparatus for control in burning and slaking of lime and causticizing. 4,889,592, 12-26-89, Cl. 162-29.000.

Andersson, Bjorn; and Fager, Jan G., to ASEA Aktiebolag. Method and device for calibrating a sensor on an industrial robot. 4,815,006, 3-21-89, Cl. 364-513.000.

Andersson, Bjorn; Bjorkelund, Mats; Edstrom, Stefan; Fager, Jan; and Schofield, Monica, to ASEA Aktiebolag. Industrial robot equipment capable of automatically terminating operation at a desired sensed location. 4,831,232, 5-16-89, Cl. 219-124.340.

Andersson, Bruno: *See—*

Andersson, Kenneth; Andersson, Bruno; and Olofsson, Lars, 4,794,770, Cl. 70-234.000.

Andersson, Clarence A.; Partlow, Deborah P.; and Yoldas, Bulent E., to United States of America, Air Force. Porous ceramic bodies. 4,828,774, 5-9-89, Cl. 264-60.000.

Andersson, Erik T.: *See—*

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Andersson, Gunnar: *See—*

Lagerwall, Sven T.; Andersson, Gunnar; Dahl, Ingolf; Kuczynski, Wojciech; Sharp, Kent, and Stebler, Bengt, 4,838,663, Cl. 350-350.00S.

Andersson, Ingvar; and Wadstein, Jan. Injection device. 4,798,595, 1-17-89, Cl. 604-174.000.

Andersson, Karl E. M.: *See—*

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Andersson, Ken G. E.; Engstrand, Sven E. O.; and Asberg, Lars G., to Sandvik Aktiebolag. Tool assembly, tool components and method of assemblying said components. 4,834,597, 5-30-89, Cl. 409-234.000.

Andersson, Kenneth; Andersson, Bruno; and Olofsson, Lars. Device for locking a bicycle. 4,794,770, 1-3-89, Cl. 70-234.000.

Andersson, Kjell, to Seco Tools AB. Method and device for connecting a holder body with a tool head. 4,843,929, 7-4-89, Cl. 82-160.000.

Andersson, Knut M. G.: *See—*

Gustavsson, Axel G. V.; Andersson, Knut M. G.; and Andersson, Karl E. M., 4,842,454, Cl. 409-84.000.

Andersson, Kurt G.; Gunners, Nils-Erik; and Nilsson, Yngve L. Base bleed unit. 4,807,532, 2-28-89, Cl. 102-490.000.

Andersson, Lars; and Kamph, Bengt, to Autostop AB. Arrangement in vehicle hydraulic service brake systems. 4,799,570, 1-24-89, Cl. 180-275.000.

Andersson, Lars; Stenlund, Berndt; and Wiberg, Rolf, to Sandvik AB; and Pio AB. Device for purification of exhaust gases. 4,818,497, 4-4-89, Cl. 422-179.000.

Andersson, Lars; Stenlund, Berndt; and Wiberg, Rolf, to Sandvik AB; and Pio AB. Compacted metallic wire element. 4,853,293, 8-1-89, Cl. 428-605.000.

Andersson, Lars; and Klimt, Zdenek, to Asea Aktiebolag. Induction apparatus for heating edge portion of billet. 4,857,687, 8-15-89, Cl. 219-10.570.

Andersson, Lars; and Andersson, Sven, to AB Volvo. Motor vehicle gearbox. 4,876,907, 10-31-89, Cl. 74-331.000.

Andersson, Lars: *See—*

Odenbrand, Ingemar; Brandin, Jan; Andersson, Lars; and Lundin, Sten, 4,847,058, Cl. 423-239.000.

Andersson, Lars-Olof, to Rli Byggdata AB. Temperature control of buildings. 4,830,275, 5-16-89, Cl. 236-49.100.

Andersson, Lars-Olof; Forsman, Nanna; Larsen, Kerstin E. I.; Lundin, Annelie B.; Pavlu, Bohdan; Sandberg, Inga H.; and Sewerin, Karin M., to KabiVitrum AB. Biologically active fragments of human antihemophilic factor and method for preparation thereof. 4,877,614, 10-31-89, Cl. 424-101.000.

Andersson, Lorentz. Light sign. 4,805,324, 2-21-89, Cl. 40-541.000.

Andersson, Nils T., to Nordiskafilt AB. Controlling a paper web path in the press section with an impermeable belt. 4,861,430, 8-29-89, Cl. 162-205.000.

Andersson, Olle; and Carlsson, Lennart, to On Spot AB. Anti-skid device. 4,800,992, 1-31-89, Cl. 188-4.00B.

Andersson, Olof I., to Electrolux Constructor Aktiebolag. Device in a storage rack. 4,801,026, 1-31-89, Cl. 211-183.000.

Andersson, Olof I., to Electrolux Constructor Aktiebolag. Sheet metal shelving. 4,821,649, 4-18-89, Cl. 108-107.000.

Andersson, Ove B.; Berg, Johan; Granestrand, Per O.; and Vatsel, Armand, to Telefonaktiebolaget L M Ericsson. Optical repeater for fault tracing in an optical transmission system. 4,887,309, 12-12-89, Cl. 455-601.000.

Andersson, Paul H.; Andersson, Per T.; Axelsson, Bengt I.; Thalen, Bror A.; and Trofast, Jan W., to Aktiebolaget Draco. Novel androstane-17β-carboxylic acid esters. 4,804,656, 2-14-89, Cl. 514-179.000.

Andersson, Per M., to Tetra Pak Finance & Trading S.A. Container with an opening device. 4,828,138, 5-9-89, Cl. 220-272.000.

Andersson, Per T.: *See—*

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Andersson, Rolf J.; Pajes, Chajkiel; Hoglund, Kjell; Nilsson, Tore; Husebye, Ragnar; Hoyland, Sigbjorn; Lindland, Hans; Mong, Tore; and Nesse, Erling, to AB Asea-Atom. Gripping mechanism. 4,805,951, 2-21-89, Cl. 294-116.000.

Andersson, Sven: *See—*

Andersson, Lars; and Andersson, Sven, 4,876,907, Cl. 74-331.000.

Andersson, Sven-Borje: *See—*

Lindskog, Inga M.; Sjogren, Bengt C. H.; and Andersson, Sven-Borje, 4,871,543, Cl. 424-432.000.

Andersson, Tord: *See—*

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Nilsson, Bo G.; and Andersson, Torgny, 4,871,013, Cl. 165-75.000.

Andersson, Ulf, to Karner & Co AB. Clothes-hanger for skirts or trousers. 4,832,239, 5-23-89, Cl. 223-95.000.

Andersson, Ulf: *See—*

Bengtsson, Erik; and Andersson, Ulf, 4,800,073, Cl. 423-588.000.

Bengtsson, Erik; and Andersson, Ulf, 4,800,074, Cl. 423-588.000.

Andert, Tomas J.; and Pieper, Stefan, to Siemens Aktiengesellschaft. Device for protecting electrical apparatus and the operator when the operator carries a high electrostatic charge. 4,821,320, 4-11-89, Cl. 379-437.000.

Anderton, John J., to GTE Products Corporation. Fiber optic ferrule crimp. 4,822,131, 4-18-89, Cl. 350-96.210.

Anderton, John J., to GTE Products Corporation. Housing for a fiber optic splice. 4,824,198, 4-25-89, Cl. 350-96.210.

Anderton, John J., to GTE Products Corporation. Optical fiber connector. 4,832,440, 5-23-89, Cl. 350-96.210.

Anderton, John J., to GTE Products Corporation. Fiber optic in-line splice case assembly. 4,838,640, 6-13-89, Cl. 350-96.200.
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Anderton, Randy. Measuring device. 4,872,267, 10-10-89, Cl. 33-463.000.
Anderton, Richard L., to Diasonics Inc. Battery enhanced power generation for mobile X-ray machine. 4,797,907, 1-10-89, Cl. 378-101.000.
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Palmaer, Leif, 4,831,665, Cl. 2-9.000.
Andes, Royce C. Support seat for a ski. 4,865,572, 9-12-89, Cl. 441-72.000.
Andeweg, Frits J. Light-animated graphics display. 4,882,865, 11-28-89, Cl. 40-442.000.
Andheden, Sigvard; and Muller, Arthur. Method for preventing mercury poisoning caused by dissolution of mercury from amalgam fillings. 4,859,453, 8-22-89, Cl. 424-10.000.
Andiano, Jose; Houy, Germain; and Compin, Michel, to J. I. Case Company. Safety device intended for equipping a self-propelled appliance having stabilizers, especially a public works appliance of the shovel-loader type. 4,825,567, 5-2-89, Cl. 37-117.500.
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Andis, Matthew L.; and Urbush, Richard, to Andis Company. Hand-held blower with interior waterproof switch assembly. 4,833,283, 5-23-89, Cl. 200-302.100.
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Ando Electric Co., Ltd.: *See—*
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Hirabayashi, Kazunori, 4,829,461, Cl. 364-715.110.
Hosoda, Takuya; Adachi, Shoji; and Kudo, Atsushi, 4,798,950, Cl. 250-214.00A.
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Shigematsu, Masayuki; and Fukuda, Masahiko, 4,848,872, Cl. 350-96.290.
Takagi, Yasutomo; and Takaishi, Kazuyoshi, 4,827,116, Cl. 250-205.000.
Takagi, Yasutomo; and Takaishi, Kazuyoshi, 4,837,428, Cl. 250-205.000.
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Ando, Fumihiko; Kumada, Junji; Fujita, Yoshihiro; Yamada, Hidetoshi; and Nakamura, Kazuhiko, to Nippon Hoso Kyokai; and Olympus Optical Co., Ltd. Solid state image sensor. 4,839,729, 6-13-89, Cl. 358-213.160.
Ando, Fumio; Ichinokawa, Kazuo; and Yokoyama, Takayuki, to NEC Corporation. Videotelephone apparatus for transmitting high and low resolution video signals over telephone exchange lines. 4,888,795, 12-19-89, Cl. 379-53.000.
Ando, Fumitaka: *See—*
Kijima, Takao; Ando, Fumitaka; and Koyama, Toshihide, 4,826,203, Cl. 280-690.000.
Ando, Haruhisa; Nakai, Masaaki; Ono, Hideyuki; Ozaki, Toshifumi; Ohba, Shinya; and Koike, Norio, to Hitachi, Ltd. Solid-state imaging device. 4,862,487, 8-29-89, Cl. 377-58.000.
Ando, Harushisa: *See—*
Akimoto, Hajime; Ando, Harushisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, 4,814,848, Cl. 357-24.000.
Ando, Hideki; Kondo, Harufusa; and Machida, Hirohisa, to Mitsubishi Denki Kabushiki Kaisha. Digital signal processor with addressable and shifting memory. 4,811,267, 3-7-89, Cl. 364-736.000.
Ando, Hideki; and Nakabayashi, Takeo, to Mitsubishi Denki Kabushiki Kaisha. Comparator circuit. 4,816,701, 3-28-89, Cl. 307-362.000.
Ando, Hideki; and Machida, Hirohisa, to Mitsubishi Denki Kabushiki Kaisha. Arithmetic and logic unit with prior state dependent logic operations. 4,821,225, 4-11-89, Cl. 364-736.500.
Ando, Hideki; and Nakabayashi, Takeo, to Mitsubishi Denki Kabushiki Kaisha. Clock signal generator. 4,866,310, 9-12-89, Cl. 307-480.000.
Ando, Hideki: *See—*
Kondou, Harufusa; and Ando, Hideki, 4,810,995, Cl. 340-146.200.
Kondou, Harufusa; and Ando, Hideki, 4,860,235, Cl. 364-716.000.
Ando, Hideo, to Kabushiki Kaisha Toshiba. Optical system employing a laser beam for focusing, tracking and transferring information signals with respect to a magneto-optical memory. 4,797,868, 1-10-89, Cl. 369-44.000.
Ando, Hideo, to Kabushiki Kaisha Toshiba. Optical head having guide means with first and second polarizing surfaces. 4,804,835, 2-14-89, Cl. 250-201.000.
Ando, Hideo, to Kabushiki Kaisha Toshiba. Apparatus for energizing a semiconductor laser array having a plurality of light beam emitting points. 4,825,064, 4-25-89, Cl. 250-205.000.
Ando, Hideo, to Tokyo Shibaura Denki Kabushiki Kaisha. Optical memory device and system. 4,835,762, 5-30-89, Cl. 369-272.000.
Ando, Hideo, to Kabushiki Kaisha Toshiba. Flat type optical head for focusing a light beam onto an optical memory. 4,857,719, 8-15-89, Cl. 250-201.000.
Ando, Hideo, to Kabushiki Kaisha Toshiba. Apparatus for correcting photodetector signals in a system for retrieving information from an optical recording medium. 4,890,272, 12-26-89, Cl. 369-45.000.
Ando, Hiromi: *See—*
Endo, Mitsuhiro; Ando, Hiromi; and Ono, Yukou, 4,813,336, Cl. 91-369.400.
Ando, Hiroshi; and Takagi, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,796,076, 1-3-89, Cl. 357-65.000.
Ando, Hiroyuki: *See—*
Okamoto, Yoshio; Nakamura, Yozo; Uchiyama, Kyoichi; Watanabe, Haruo; Kosuge, Tokuo; Onishi, Akira; Terasaki, Akashi; Ando, Hiroyuki; and Hamashima, Eiji, 4,887,769, Cl. 239-493.000.
Ando, Hisashige; Katsuyama, Makoto; and Sakuraba, Takahiro, to Fujitsu Limited. Vector pattern processing circuit for bit map display system. 4,888,584, 12-19-89, Cl. 340-747.000.
Ando, Hitoshi; Kashiwazaki, Takashi; and Hosoi, Masayuki, to Pioneer Electronic Corporation. Method of processing output data from geomagnetic sensor. 4,831,563, 5-16-89, Cl. 364-571.050.
Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, to Pioneer Electronic Corporation. Method and apparatus for processing data in a GPS receiving device in a road vehicle. 4,837,700, 6-6-89, Cl. 364-449.000.
Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, to Pioneer Electronic Corporation. Vehicle bearing detection and data processing methods applicable to vehicle navigation system. 4,890,233, 12-26-89, Cl. 364-457.000.
Ando, Hitoshi: *See—*
Fukushima, Atsuhiko; Kashiwazaki, Takashi; Hosoi, Masayuki; and Ando, Hitoshi, 4,807,157, Cl. 364-521.000.
Ando, Iwao, to Yukyan Kabushiki Kaisha. Humidification controlling system with an ultrasonic humidifier. 4,807,810, 2-28-89, Cl. 236-44.00A.
Ando, Katsuhiko: *See—*
Imura, Takeshi; Ando, Katsuhiko; Nakabayashi, Shigemitsu; and Hirose, Maki, 4,875,518, Cl. 164-119.000.
Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Katsuhiko; Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, 4,868,159, Cl. 514-25.000.
Ando, Katsutoshi; and Ogawa, Yo, to Toray Industries. Electret film sheet and method of producing same. 4,874,659, 10-17-89, Cl. 428-221.000.
Ando, Kazuaki. Self-closing door sealing structure. 4,819,378, 4-11-89, Cl. 49-225.000.
Ando, Kazuaki. Self-closing door sealing structure. 4,823,509, 4-25-89, Cl. 49-303.000.
Ando, Kazuhiro: *See—*
Izaki, Kansei; Kawakami, Takamasa; Hakkei, Kouichi; and Ando, Kazuhiro, 4,800,182, Cl. 501-92.000.
Ando, Keiji: *See—*
Arai, Katsuyuki; Karai, Kenji; Watanabe, Okosu; and Ando, Keiji, 4,850,895, Cl. 439-394.000.
Ando, Kenji: *See—*
Chiba, Yuji; Ando, Kenji; Sugata, Masao; Sugata, Hiroyuki; Kimura, Toshiaki; and Osabe, Kuniji, 4,875,810, Cl. 406-14.000.
Ando, Kenzo: *See—*
Takeuchi, Eiichi; Wada, Kaname; Miyamura, Kou; Kanamaru, Kazuo; Tanaka, Hiroyuki; Sugino, Kazuo; and Ando, Kenzo, 4,828,015, Cl. 164-461.000.
Ando, Kimiaki: *See—*
Ooyama, Mitsuo; Ando, Kimiaki; Kawamura, Yoshio; Saito, Norio; Simura, Takanori; and Kohida, Hiroyuki, 4,820,928, Cl. 250-492.20B.
Ando, Kozo: *See—*
Suzuki, Churyo; Ando, Kozo; and Enomoto, Tooru, 4,838,723, Cl. 401-199.000.
Ando, Makoto; and Kojima, Hiroshi, to Minolta Camera Kabushiki Kaisha. Intermediate optical device. 4,802,738, 2-7-89, Cl. 350-257.000.
Ando, Makoto; Kakinuma, Koichiro; Sawa, Masahiko; Ohmura, Hideaki; and Ohryo, Akira, to Sony Corporation. Card issuance apparatus with cancellation mode. 4,877,946, 10-31-89, Cl. 235-380.000.
Ando, Makoto: *See—*
Goto, Naohisa; Ito, Yoshiharu; Arimura, Kunitaka; Ando, Makoto; Shirai, Tatsuya; and Teramoto, Ryuji, 4,819,003, Cl. 343-771.000.
Kakinuma, Koichiro; Ando, Makoto; Sawa, Masahiko; Ohmura, Hideaki; Ohryo, Akira; and Nakamura, Tadahiko, 4,812,632, Cl. 235-479.000.
Nakamura, Akiyoshi; Ando, Makoto; Ogino, Shuji; and Taniguchi, Nobuyuki, 4,837,594, Cl. 354-402.000.
Shirai, Toshio; Ando, Makoto; Unno, Keisuke; and Kobayashi, Toshiharu, 4,819,102, Cl. 360-17.000.
Ando, Manabu, to Kohshin Seimitsu Kikai Kabushiki Gaisha. Snap fit presser foot assembly for a sewing machine. 4,876,974, 10-31-89, Cl. 112-240.000.

Ando, Masaaki; and Matsuzaka, Masaaki, to Nippon Seiko Kabushiki Kaisha. Automatic pattern original reading apparatus. 4,807,296, 2-21-89, Cl. 382-8.000.
Ando, Masahiko; Hayakawa, Youichi; Nishida, Masaaki; and Yamada, Toshihiro, to Aisin AW Co., Ltd. Automatic transmission mechanism. 4,864,892, 9-12-89, Cl. 74-760.000.
Ando, Masahiko, to Aisin-Warner Kabushiki Kaisha. Hydraulic controlling system for lockup clutches. 4,880,090, 11-14-89, Cl. 192-3.300.
Ando, Masahiro; Morita, Osamu; Kashimura, Kazunori; Sasaki, Takahide; Chikamoto, Kouichi; Takahasi, Koji; and Nagasawa, Kenichi, to Canon Kabushiki Kaisha. Cassette loading device. 4,868,924, 9-19-89, Cl. 360-96.500.
Ando, Masamoto: *See—*
Furuta, Youichi; Ando, Masamoto; Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,838,621, Cl. 303-115.000.
Nishii, Michiharu; Ando, Masamoto; and Tada, Yoshihiko, 4,874,207, Cl. 303-52.000.
Ando, Masanori: *See—*
Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuho; Shirehama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, 4,798,992, Cl. 313-406.000.
Ando, Masatoshi; and Mochizuki, Hiromine, to Kanzaki Paper Manufacturing Co., Ltd. Frame member for pressurized screening device. 4,816,153, 3-28-89, Cl. 210-445.000.
Ando, Mashiko: *See—*
Miura, Masakatsu; and Ando, Mashiko, 4,884,472, Cl. 74-763.000.
Ando, Minato; Ito, Masaaki; and Mizuno, Fumio, to NGK Spark Plug Co., Ltd. Alumina-based ceramic composition. 4,866,016, 9-12-89, Cl. 501-134.000.
Ando, Minoru: *See—*
Ichie, Tsugumi; and Ando, Minoru, 4,882,925, Cl. 72-356.000.
Ando, Mitsugu, to NEC Corporation. Clock timing controller for a plurality of LSI chips. 4,843,263, 6-27-89, Cl. 307-480.000.
Ando, Mitsuru; and Takasu, Toshikazu, to Akechi Ceramics Co., Ltd. Molten steel pouring nozzle. 4,854,487, 8-8-89, Cl. 222-606.000.
Ando, Moritoshi: *See—*
Iwata, Satoshi; and Ando, Moritoshi, 4,830,497, Cl. 356-394.000.
Ando, Naotaka, to Sony Corporation. Scan converter apparatus. 4,831,441, 5-16-89, Cl. 358-140.000.
Ando, Naotami: *See—*
Furukawa, Hisao; Ando, Naotami; and Kato, Yasushi, 4,801,658, Cl. 525-450.000.
Ando, Norio: *See—*
Kosugi, Seiji; Ando, Norio; and Sagara, Hisao, 4,796,924, Cl. 285-39.000.
Ando, Osamu: *See—*
Suzuki, Tetsumi; Hasegawa, Kazumi; Ando, Osamu; Furukawa, Nobuhiro; and Nishio, Koji, 4,795,687, Cl. 429-213.000.
Ando, Outaro: *See—*
Namba, Akihiro; Uchino, Fumio; Tateoka, Hitoshi; Ohno, Masahiro; Ando, Outaro; Karaki, Kouichi; and Nagasaki, Tatsuo, 4,826,319, Cl. 356-339.000.
Ando, Ryo; Yoshida, Tadao; Fujiie, Kazuhiko; and Yoshida, Toshio, to Sony Corporation. Recording device that identifies recordable areas of a disk record. 4,862,439, 8-29-89, Cl. 369-30.000.
Ando, Ryo: *See—*
Fujiie, Kazuhiko; Yoshida, Tadao; and Ando, Ryo, 4,858,217, Cl. 369-59.000.
Ando, Ryuichi: *See—*
Tanaka, Seizou; and Ando, Ryuichi, 4,827,209, Cl. 324-143.000.
Ando, Satoru: *See—*
Matsuura, Sadaji; Arai, Yasuo; Aoki, Shigeki; and Ando, Satoru, 4,812,169, Cl. 106-15.050.
Ando, Shigeru, to Suncom Co., Ltd. Apparatus for measuring an object based on spatio-temporally derivated image signals. 4,839,824, 6-13-89, Cl. 364-516.000.
Ando, Shigeru; and Sasaki, Hidemi, to Fuji Photo Film Co., Ltd. Recording medium loading mechanism for guiding a recording medium to a recording/reproducing position. 4,878,138, 10-31-89, Cl. 360-99.020.
Ando, Shigeru, to Fuji Photo Film Co., Ltd. Magnetic disc pack loading mechanism. 4,879,616, 11-7-89, Cl. 360-99.060.
Ando, Takaharu, to EMU-ESU Industrial Co., Ltd. Keyless chuck. 4,842,288, 6-27-89, Cl. 279-62.000.
Ando, Takao: *See—*
Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.
Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.
Ando, Takashi; Makino, Yoshihiro; Kishimoto, Yoshinobu; and Asaoka, Tetsuki, to Matsushita Electric Industrial Co., Ltd. Cassette loading apparatus. 4,831,472, 5-16-89, Cl. 360-96.500.
Ando, Takashi: *See—*
Kishimoto, Yoshinobu; Ando, Takashi; and Kudo, Harumi, 4,866,551, Cl. 360-96.500.
Ando, Takayuki; Ishiguro, Kazuyoshi; Matsui, Kenji; Yamashita, Tatsuo; and Kondo, Toshikatsu, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Guide rail supporting structure. 4,878,692, 11-7-89, Cl. 280-804.000.
Ando, Takeki; Nakamura, Kiyoshi; Mine, Toshisuke; Inaba, Hiromi; Kurosawa, Toshiaki; Nakazato, Masao; and Sakai, Yoshio, to Hitachi, Ltd. Current source power converting apparatus with overvoltage protection. 4,884,182, 11-28-89, Cl. 363-37.000.
Ando, Takeki: *See—*
Inaba, Hiromi; Shima, Seiya; Ando, Takeki; Kurosawa, Toshiaki; and Mitsui, Nobuo, 4,833,586, Cl. 363-41.000.
Ando, Takumi; and Kawasato, Takayuki, to Janome Sewing Machine Co., Ltd. Selected pattern display device of sewing machine. 4,876,977, 10-31-89, Cl. 112-445.000.
Ando, Tomiaki, to Pioneer Electronic Corporation. Speaker system for radiating acoustic energy into a cabin of a motor vehicle. 4,847,907, 7-11-89, Cl. 381-86.000.
Ando, Toshihiko: *See—*
Iwamoto, Mune; Ito, Norifumi; Sugazaki, Kazuo; Matsubara, Tetsuyuki; and Ando, Toshihiko, 4,808,661, Cl. 525-73.000.
Ando, Tsukasa; and Hagino, Seiichiro, to Aisin Seiki Kabushiki Kaisha. Cloth terminus detecting apparatus for sewing machine having means to automatically select a sensor in relation to a feed setting. 4,817,542, 4-4-89, Cl. 112-121.110.
Ando, Yashiko; Noda, Yasushi; and Abe, Yohji, to Teac Corporation. Head loading mechanism for flexible disc drive. 4,875,119, 10-17-89, Cl. 360-105.000.
Ando, Yasuhiro: *See—*
Iwano, Shinichi; and Ando, Yasuhiro, 4,818,061, Cl. 350-96.210.
Ando, Yasunori; and Ogata, Kiyoshi, to Nissin Electric Co., Ltd. Method of forming a thin aluminum film. 4,828,870, 5-9-89, Cl. 427-38.000.
Ando, Yasunori: *See—*
Nakahigashi, Takahiro; Ando, Yasunori; and Kamijo, Eiji, 4,866,746, Cl. 378-35.000.
Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,831,212, Cl. 174-52.400.
Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,875,284, Cl. 29-830.000.
Ando, Yasuo: *See—*
Fujii, Toshinobu; Ando, Yasuo; and Fushimi, Kazuo, 4,824,743, Cl. 429-101.000.
Ando, Yasushi: *See—*
Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R
Ando, Yawara: *See—*
Shimai, Shunzo; Saito, Yoshio; Ando, Yawara; and Koseki, Takashi, 4,799,601, Cl. 220-21.00R.
Ando, Yoichi: *See—*
Kozuka, Tadashi; Ozaku, Minoru; Yamamoto, Yuji; and Ando, Yoichi, 4,843,986, Cl. 112-163.000.
Ando, Yoshihira: *See—*
Sakurada, Koichi; Kiraiwa, Kouji; Ando, Yoshihira; and Kudo, Yoshiro, 4,863,680, Cl. 376-444.000.
Ando, Yoshikazu: *See—*
Shimizu, Yasushi; and Ando, Yoshikazu, 4,868,682, Cl. 358-335.000.
Ando, Yoshio; Ishige, Yoshiki; Kinugasa, Toshiyuki; and Sato, Shoji, to Honda Giken Kogyo Kabushiki Kaisha. Process of manufacturing a composite panel for shock absorption. 4,882,002, 11-21-89, Cl. 156-310.000.
Ando, Yoshio: *See—*
Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.
Ando, Yoshiyasu: *See—*
Nishida, Minoru; Mizuno, Naohito; Hattori, Tadashi; Huzino, Seizi; and Ando, Yoshiyasu, 4,840,067, Cl. 73-726.000.
Ando, Yujiro: *See—*
Ochiai, Toshihiko; and Ando, Yujiro, 4,831,394, Cl. 346-160.100.
Andoh, Haruo: *See—*
Kitaoka, Susumu; Andoh, Haruo; and Hirata, Junichi, 4,857,417, Cl. 428-694.000.
Andoh, Hisashi: *See—*
Watanabe, Ryuji; Andoh, Hisashi; Iwashita, Kiyoji; and Shimizu, Kinko, 4,836,978, Cl. 419-10.000.
Andoh, Ikuhiro: *See—*
Miyazawa, Hideo; Andoh, Ikuhiro; Koyama, Hiromichi; and Kobayashi, Mitsuru, 4,797,119, Cl. 439-395.000.
Andoh, Junichi; and Endo, Yukio, to Kabushiki Kaisha Toshiba. Image-sensing apparatus. 4,823,191, 4-18-89, Cl. 358-213.310.
Andoh, Kazuto: *See—*
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Ohki, Nobutaka; Andoh, Kazuto; and Fujimoto, Hiroshi, 4,833,068, Cl. 430-484.000.
Yagihara, Morio; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Andoh, Kazuto, 4,842,993, Cl. 430-380.000.
Andoh, Shizuo: *See—*
Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
Andoh, Yasuhiro: *See—*
Mose, Tadao; Andoh, Yasuhiro; and Kitasin, Tatuhisa, 4,876,637, Cl. 363-37.000.
Andoh, Yuichi: *See—*
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Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki, Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi, Takashi, 4,887,923, Cl. 400-659.000.

Andolfi, Ceasar P.: *See—*

DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., 4,805,382, Cl. 53-520.000.

DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., 4,805,384, Cl. 53-569.000.

DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., 4,817,368, Cl. 53-460.000.

Andolora, Joseph A., to Adflex Corporation. Pin bar for mounting flexographic printing plates. 4,825,558, 5-2-89, Cl. 33-621.000.

Andors, Derik K.: *See—*

Ferguson, Robert W.; and Andors, Derik K., 4,856,491, Cl. 126-77.000.

Stancliffe, John N.; Carnelly, Stephen; Ferguson, Robert W.; and Andors, Derik K., 4,865,011, Cl. 126-77.000.

Andou, Hideki: *See—*

Nakabayashi, Takeo; and Andou, Hideki, 4,879,715, Cl. 370-92.000.

Nakaya, Masao; Nakabayashi, Takeo; and Andou, Hideki, 4,870,300, Cl. 307-303.000.

Ueda, Kimio; and Andou, Hideki, 4,847,514, Cl. 307-245.000.

Andou, Hirokazu: *See—*

Koyama, Tatsuya; Yamada, Tetsuhiro; Andou, Hirokazu; and Kamimura, Katsuya, 4,820,065, Cl. 400-124.000.

Andou, Masayasu; and Tajima, Ichiro, to Aisin Seiki Kabushiki Kaisha. Battery exhaust gas plug filter and process for manufacturing the same. 4,885,218, 12-5-89, Cl. 429-53.000.

Andou, Nobuyoshi; and Imai, Hitoshi, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for positioning an optical element. 4,861,139, 8-29-89, Cl. 350-255.000.

Andow, Fumio, to Kabushiki Kaisha Toshiba. Information data output device for electric-power systems. 4,803,635, 2-7-89, Cl. 364-483.000.

Andow, Fumio; and Suga, Noriyoshi, to Kabushiki Kaisha Toshiba. Digital calculation type differential relay. 4,825,326, 4-25-89, Cl. 361-63.000.

Andra, Rainer; Kurr, Klaus; Ullrich, Gunter; and Dorge, Udo, to Carl Freudenberg, Firma. Torsion-vibration damper. 4,873,887, 10-17-89, Cl. 74-573.00F.

Andrada Galan, Mario; Romero Lledo, Antonio; and Calzado Requena, Vincente, to Investronica S.A. Method and apparatus for matching panels to be cut from patterned fabrics. 4,853,866, 8-1-89, Cl. 364-470.000.

Andrade, Gabriel T.: *See—*

Fusaro, William A.; and Andrade, Gabriel T., 4,824,118, Cl. 273-256.000.

Andrade, Mark S.: *See—*

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Andraka, Charles E.: *See—*

Abbin, Joseph P.; Andraka, Charles E.; Lukens, Laurance L.; and Moreno, James B., 4,868,072, Cl. 429-11.000.

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Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.

Andre, DeSchutter; and Casalatina, Silvano, to Sismo International. Prefabricated modules, and the use thereof in the building industry. 4,864,792, 9-12-89, Cl. 52-426.000.

Andre, James R.; and Daniels, Larry. Hydraulically efficient ribbed pipe. 4,838,317, 6-13-89, Cl. 138-135.000.

Andre, Jean-Luc, to Societe Lohr. Deformable loading platform. 4,804,302, 2-14-89, Cl. 410-19.000.

Andre, Jean-Luc; and Fity, Christian, to Lohr, S.A. Wheel support for vehicle transporter. 4,850,767, 7-25-89, Cl. 410-9.000.

Andre, Jean-luc, to Lohr Industrie. Vehicle wheel support and fastening device. 4,854,790, 8-8-89, Cl. 410-30.000.

Andre, Michel: *See—*

Calmettes, Lionel; and Andre, Michel, 4,834,431, Cl. 285-410.000.

Andre, Robert S., to Air Products and Chemicals, Inc. Method and apparatus for olefin recovery. 4,885,063, 12-5-89, Cl. 203-73.000.

Andre, Sandra V.: *See—*

Doncals, Richard A.; Paik, Nam-Chin; Andre, Sandra V.; Porter, Charles A.; Rathbun, Roy W.; Schwallie, Ambrose L.; and Petras, Diane S., 4,851,182, Cl. 376-267.000.

Andre, Thole: *See—*

Pierre, Ravez; and Andre, Thole, 4,844,681, Cl. 414-398.000.

Andre, Venant, to Renault Vehicules Industriels. Mechanical transmission manual control device. 4,873,883, 10-17-89, Cl. 74-473.00R.

Andre, Wolfram: *See—*

Wolf, Kurt; and Andre, Wolfram, 4,828,166, Cl. 236-20.00A.

Andre, Wolfram K.; and Wolf, Kurt, to Fissler GmbH. Process and apparatus for roasting with a roasting vessel. 4,796,207, 1-3-89, Cl. 364-557.000.

Andre, Wolfram K.: *See—*

Wolf, Kurt; and Andre, Wolfram K., 4,803,344, Cl. 219-497.000.

Wolf, Kurt; and Andre, Wolfram K., 4,839,503, Cl. 219-497.000.

Wolf, Kurt; and Andre, Wolfram K., 4,851,645, Cl. 219-464.000.

Andrea, Douglas J. Insulating shell and pouring aid for container and method of making same. 4,796,937, 1-10-89, Cl. 294-31.200.

Andrea, Frederic E. Valve apparatus and method of operating thereof. 4,867,415, 9-19-89, Cl. 251-337.000.

Andreadakis, Nicholas C., to Bell Communications Research, Inc. Suspended-electrode plasma display devices. 4,853,590, 8-1-89, Cl. 313-485.000.

Andreas, David W.: *See—*

Watkins, James D.; Andreas, David W.; and Cox, David H., 4,878,765, Cl. 383-116.000.

Andreas Hettich, Firma: *See—*

Gunter, Eberle, 4,801,290, Cl. 494-16.000.

Andreas, Sam, to Recoton Corporation. Cartridge-shaped cleaning device. 4,825,319, 4-25-89, Cl. 360-128.000.

Andreas, Sam, to Recoton Corporation. Apparatus for demagnetizing the magnetic head of a cassette tape recording and/or reproducing device. 4,843,509, 6-27-89, Cl. 360-128.000.

Andreas Stihl: *See—*

Abou-Aly, Mohamed; Bohnacker, Eberhard; Kiefel, Bernhard; Gerhardy, Reinhard; Friedrich, Reinhard; and Krauter, Erich, 4,816,192, Cl. 261-130.000.

Fischer, Manfred; Dussler, Klaus; Linke, Wilfried; and Hartmann, Werner, 4,796,360, Cl. 30-384.000.

Geyer, Werner; Schierling, Roland; and Nickel, Hans, 4,813,39 Cl. 123-73.00C.

Geyer, Werner; and Schierling, Roland, 4,846,119, Cl. 123-73.00C

Kloft, Manfred; Zerrer, Gerhard; and Unger, Helmut, 4,864,72 Cl. 30-276.000.

Nickel, Hans; Wissmann, Michael; and Scholz, Horst, 4,819,779, C 192-105.0BA.

Schierling, Roland; and Geyer, Werner, 4,876,999, Cl. 123-252.00

Wissmann, Michael; Grassmuck, Jurgen; Muller, Wilfried; an Zimmermann, Helmut, 4,867,270, Cl. 181-231.000.

Zimmermann, Gunther; Friedrich, Reinhard; Nantt, Wolfgang; an Weissert, Wolfgang, 4,872,587, Cl. 220-375.000.

Andreasen, Dinal S.: *See—*

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Andreasen, Norman H. Germination floor systems. 4,886,759, 12-12-8 Cl. 435-310.000.

Andreasen, Peter S. Trawler door. 4,882,870, 11-28-89, Cl. 43-9.100

Andreasson, Bo C.; Henriksson, Soren N.; and Karreman, Lars-Olof, t Aktiebolaget Electrolux. Arrangement in an air-cooled I. C. engi 4,841,920, 6-27-89, Cl. 123-41.660.

Andrecovich, Mark J.: *See—*

Jain, Ravi; LaCava, Alberto; Andrecovich, Mark J.; and MacLea Donald L., 4,861,361, Cl. 62-18.000.

Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Franz Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, A fred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sun Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, Henkel Kommanditgesellschaft auf Aktien. Detergents for low lau dering temperatures. 4,820,436, 4-11-89, Cl. 252-544.000.

Andrees, Gerhard; Kranzeder, Josef; and Vogel, Wilhelm, to MT Motoren- und Turbinen-Union Muenchen GmbH. Construct elements produced by powder metallurgy. 4,886,639, 12-12-89, C 419-28.000.

Andreesen, Sara. Handle cover and toy holder. 4,881,746, 11-21-89, C 280-33.992.

Andreetta, Rodolfo, to Simmel Difesa S.p.A. Tubular shell for artille projectiles. 4,860,659, 8-29-89, Cl. 102-473.000.

Andreev, Krassimir A.: *See—*

Samokovliiski, David A.; Nemetchek, Alfred E.; Gitchev, Mih G.; Andreev, Krassimir A.; Bozadjiev, Iltcho T.; and Mos chilov, Emil T., 4,845,336, Cl. 219-137.200.

Andrei-Alexandru, Marcel; Bayha, Heiner; Bruhn, Rainer; and Mar Iris, to SWF Auto-Electric GmbH. Vehicle door locking syste 4,876,909, 10-31-89, Cl. 74-411.500.

Andrei, Maria: *See—*

Roggero, Arnaldo; Scrosati, Bruno; Andrei, Maria; Passeri Stefano; and Pedretti, Ugo, 4,886,716, Cl. 429-192.000.

Andrejasich, Raymond J.; Slocum, Laurence S.; and Clarkson, Bru A., to Emhart Industries, Inc. Fluid status detector. 4,835,5 5-30-89, Cl. 340-521.000.

Andrejasich, Raymond J; Slocum, Laurence S.; and Mussmann, Sr M., to Emhart Industries, Inc. Tank inventory and leak detect system. 4,835,522, 5-30-89, Cl. 340-521.000.

Andrejco, Matthew J.; and MacChesney, John B., to American Te phone and Telegraph Company, AT&T Bell Laboratories; and B Communications Research, Inc. Method of making a glass bo having a graded refractive index profile. 4,812,153, 3-14-89, 65-3.120.

Andrene Associates: *See—*

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Andreoli, Gian P., to ISEO Serrrature SPA. Double-throw bar lo having independently operable cylinders. 4,802,352, 2-7-89, 70-118.000.

Andreoli, Romeo R.: *See—*

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Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; B seghini, Leonida; and Irurre, Jose P., 4,835,179, Cl. 514-510.0

Andres, James R., to United States of America, Air Force. Autom prestart or post shutoff engine lubricator. 4,825,826, 5-2-89, Cl. 196.00S.

Andres, Thomas, to Thermal Industries, Inc. Window assembly having a window latch construction. 4,869,020, 9-26-89, Cl. 49-161.000.

Andres, Uri T.; Devernoe, Alan L.; and Walker, Michael S., to Mag-Sep Corp. Apparatus and method employing magnetic fluids for separating particles. 4,819,808, 4-11-89, Cl. 209-1.000.

Andresen, Brian D.; and Fought, Eric R., to Sepragen Corporation. Interface for liquid chromatograph-mass spectrometer. 4,867,947, 9-19-89, Cl. 422-70.000.

Andresen, Brian D.: *See—*

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Andresen, Jack; and Andresen, Mark. Method and apparatus for driving neon tube to form luminous bubbles and controlling the movement thereof. 4,870,326, 9-26-89, Cl. 315-200.00R.

Andresen, Mark: *See—*

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Andreshak, John L.: *See—*

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Andrew Corporation: *See—*

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Dyott, Richard B., 4,818,071, Cl. 356-28.500.

Midkiff, John A.; and Ash, John T., 4,813,639, Cl. 248-68.100.

Rampalli, Sitaram; and Nudd, Hugh R., 4,800,351 Cl. 333-237.000.

Tezcan, Hulusi E., 4,819,007, Cl. 343-840.000.

Andrew, Edward D.; and Hayhurst, Peter, to Edward W. Andrew, Ltd. Apparatus for conveying sheets. 4,856,769, 8-15-89, Cl. 271-193.000.

Andrew, Gary D.; Galla, Edward A.; and Ricci, Robert L., to Air Products and Chemicals, Inc. Composition and method for preventing the staining of nitrocellulose finished shoe uppers attached to polyurethane shoe soles. 4,797,240, 1-10-89, Cl. 264-46.400.

Andrew, James C.: *See—*

Geiste, Douglas W.; and Andrew, James C., 4,854,651, Cl. 312-9.000.

Andrew, John E.; Herrigel, Howard R.; Jones, George R.; Nowak, James C.; Tose, Mark K.; and Whalen, Robert, to Resources Conservation Co. Method for removing amine from oil. 4,863,607, 9-5-89, Cl. 210-634.000.

Andrew, Sydney P.; Doy, Ralph J.; and Limbach, Antony P. J., to Imperial Chemical Industries plc. Apparatus for steam reforming hydrocarbons. 4,810,472, 3-7-89, Cl. 422-197.000.

Andrew Tool Company: *See—*

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Andrews, Adrian F.; Hugh, Nicholas S.; and Nunn, Michael J., to International Paint plc. Coating composition. 4,826,921, 5-2-89, Cl. 525-102.000.

Andrews, Albert E.: *See—*

Casey, Brendan C.; Gary, William L.; and Andrews, Albert E., 4,823,158, Cl. 355-3.0TR.

Andrews, Anthony J.; Hunt, Toby C.; and Newsham, John, to Turbosound Limited. Sound reinforcement enclosure employing cone loudspeaker with annular central loading member and coaxially mounted compression driver. 4,836,327, 6-6-89, Cl. 181-152.000.

Andrews, Anthony J.; and Hunt, Toby C., to Turbosound Limited. Adaptor for coupling plural compression drivers to a common horn. 4,882,562, 11-21-89, Cl. 340-388.000.

Andrews, Arthur A.: *See—*

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Andrews, Beatrice M.: *See—*

Eidenschink, Rudolf; Krause, Joachim; Andrews, Beatrice M.; Gray, George W.; and Carr, Neil, 4,834,905, Cl. 252-299.610.

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Andrews, Christopher M.; and Bagga, Madan M., to Ciba-Geigy Corporation. Solid solutions of polymeric phenols and polyamines as epoxy curing agents. 4,866,133, 9-12-89, Cl. 525-109.000.

Andrews, Claude R.: *See—*

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Andrews, Dale D.; and Andrews, Durwood T. Tree ladder. 4,844,207, 7-4-89, Cl. 182-151.000.

Andrews, Dana; and Hanawa, Hiroji, to Sharp Kabushiki Kaisha. Ozone generator cell. 4,882,129, 11-21-89, Cl. 422-186.200.

Andrews, Dana L.: *See—*

Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., 4,842,683, Cl. 156-345.000.

Andrews, Daniel M.; Spletter, Philip J.; and Simmons, Richard L., to Microelectronics and Computer Technology Corporation. Laser Bonding apparatus and method. 4,845,335, 7-4-89, Cl. 219-121.630.

Andrews, Daniel M., to Microelectronics and Computer Technology Corporation. Hermetically sealed package having an electronic component and method of making. 4,852,250, 8-1-89, Cl. 29-827.000.

Andrews, David R.; and Gaeta, Federico C. A., to Schering Corporation. Antihypertensive compounds. 4,826,816, 5-2-89, Cl. 514-19.000.

Andrews, David R.; Gaeta, Federico C. A.; and Watkins, Robert W., to Schering Corporation. Antiglaucoma agents. 4,885,293, 12-5-89, Cl. 514-223.200.

Andrews, Del. Bait tank. 4,887,380, 12-19-89, Cl. 43-56.000.

Andrews, Dennis D.: *See—*

Lagasse, Lyle E.; and Andrews, Dennis D., 4,888,748, Cl. 368-107.000.

Andrews, Donald L. Articulated head, neck and shoulder protective device. 4,825,476, 5-2-89, Cl. 2-421.000.

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Raythatha, Rasik H.; and Andrews, E. Wayne, 4,826,536, Cl. 106-465.000.

Andrews, George S.; Lamberty, Bernard J.; and Tracy, Daniel J., to Boeing Company, The. Variable wide angle conical scanning antenna. 4,862,185, 8-29-89, Cl. 343-761.000.

Andrews, Harold E.; and Adlhoch, Robert W., to Hughes Aircraft Company. Linkage articulated pointing mirror. 4,867,548, 9-19-89, Cl. 350-500.000.

Andrews, Howard W., Jr., to AMP Incorporated. Dual purpose card edge connector. 4,869,672, 9-26-89, Cl. 439-60.000.

Andrews, James S.; and Cooper, Daniel, to Hierath & Andrews Corp. Weighing and filling method and apparatus. 4,843,579, 6-27-89, Cl. 364-567.000.

Andrews, James T., to General Electric Company. Method of forming a variable width channel. 4,824,747, 4-25-89, Cl. 430-1.000.

Andrews, James T.; and Ladany, Ivan, to General Electric Company. Electro-optic device having a laterally varying region. 4,837,775, 6-6-89, Cl. 372-96.000.

Andrews, Jay E. S., to AVM Hess, Inc. Compact speaker assembly with improved low frequency response. 4,837,839, 6-6-89, Cl. 381-199.000.

Andrews, John S., to Strobic Air Corporation. Radial upblast exhaust fan apparatus. 4,806,076, 2-21-89, Cl. 415-209.000.

Andrews, Katherine M.; and Starenchak, Robert W., to United States of America, Energy. Diverter assembly for radioactive material. 4,886,401, 12-12-89, Cl. 406-182.000.

Andrews, Kevin M.: *See—*

Michalski, Steven E.; Andrews, Kevin M.; and Mieczkowski, Daniel, 4,816,752, Cl. 324-130.000.

Andrews, Laurance R., to United Technologies Corporation. Method and apparatus for forming a curved slot. 4,827,675, 5-9-89, Cl. 51-281.00R.

Andrews, Linda; Brewer, Michael; and Vassiladis, Arthur, to Bally Manufacturing Corporation. Apparatus and method of making photographs from a video image. 4,864,410, 9-5-89, Cl. 358-443.000.

Andrews, Loren E.; and Sieber, Robert L., to General Electric Company. Dynamoelectric machine. 4,859,889, 8-22-89, Cl. 310-89.000.

Andrews, Mark J.: *See—*

Speller, Thomas H., Sr.; Davern, John W.; Weaver, Jeffrey P.; and Andrews, Mark J., 4,864,702, Cl. 29-34.00B.

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Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, 4,804,675, Cl. 514-407.000.

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Andrews, Richard J.; and Greeves, Godfrey, to Lucas Industries Public Limited Company. Fuel injection nozzles. 4,848,668, 7-18-89, Cl. 239-533.500.

Andrews, Richard J.: *See—*

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Andrews, Robin D. R. Relating to vibratory machines. 4,828,394, 5-9-89, Cl. 366-110.000.

Andrews, Rodger F.: *See—*

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Andrews, Ronald W.: *See—*

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Andrews, Steven L.: *See—*

Young, Grant A.; Lister, Roy D.; Wakley, William D.; and Andrews, Steven L., 4,857,197, Cl. 210-512.100.

Young, Grant A.; Wakley, William D.; and Andrews, Steven L., 4,876,016, Cl. 210-739.000.

Andrews, T. Arthur; and Gibson, D. Glenn. Irrigation manager system with zone moisture control. 4,875,498, 10-24-89, Cl. 137-78.300.

Andrews, Thomas M.; Kuder, Carl L.; and Schadewald, Frederic H., to Upjohn Company, The. Bottle cap removal force tester. 4,794,801, 1-3-89, Cl. 73-862.230.

Andrews, William G.: *See—*

Rickard, William A.; and Andrews, William G., 4,869,096, Cl. 73-41.200.

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- Andrews, William H., to Comalco Aluminum Limited. Production of useful materials including synthetic nepheline from Bayer red mud. 4,810,682, 3-7-89, Cl. 501-146.000.
- Andrews, William H.; Brothers, Virginia M.; Files, James G.; Kuhn, Irene; McCaman, Michael T.; Paul, Leland S.; Sias, Stacey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesco, John L., to Solvay & Cie (Societe Anonyme). DNA encoding an antigenic protein derived from *Eimeria tenella* and vaccines for prevention of coccidiosis caused by *Eimeria tenella*. 4,874,705, 10-17-89, Cl. 435-252.330.
- Andrews, William J.: *See—*
  - Fisher, Angus C.; and Andrews, William J., 4,817,478, Cl. 83-35.000.
- Andreychek, Timothy S.: *See—*
  - Ackerson, D. Scott; Impink, Albert J., Jr.; Balkey, Kenneth R.; and Andreychek, Timothy S., 4,801,421, Cl. 376-249.000.
- Andrianov, Alexei K.: *See—*
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- Andries, Nicole: *See—*
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- Andrieu, J. M.; Even, P.; and Venet, Alain. Process for the treatment and the prevention of AIDS and other disorders induced by the LAV/HTLV III virus. 4,814,323, 3-21-89, Cl. 514-11.000.
- Andrieu, Jean P.; Gault, Dominique; and Henri, Jean C., to Thomson-CSF-S.C.P.I. Method and device for the slant range correction of a short-range radar. 4,872,013, 10-3-89, Cl. 342-135.000.
- Andrieux, Bernard; and Grand, Claude, to Delas. Deaerator for the feed water to a steam generator. 4,801,314, 1-31-89, Cl. 55-198.000.
- Andriot-Ballet, Michel A.: *See—*
  - Pillon, Francis D.; and Andriot-Ballet, Michel A., 4,883,363, Cl. 366-157.000.
- Andris, Raimund. Meter pump for liquid and/or low-viscosity substances. 4,863,070, 9-5-89, Cl. 222-207.000.
- Andris, Raimund. Paste dispenser. 4,886,186, 12-12-89, Cl. 222-379.000.
- Andrlik, Pavel: *See—*
  - Burysek, Frantisek; and Andrlik, Pavel, 4,885,906, Cl. 57-263.000.
- Andronic Devices, Ltd.: *See—*
  - Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., 4,807,618, Cl. 128-878.000.
  - Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., 4,817,592, Cl. 128-855.000.
  - McEwen, James A.; Godolphin, William J.; Bohl, Rainer M.; Dance, Mark N.; Furse, Martin L.; and Osborne, John C., 4,828,716, Cl. 210-740.000.
- Andronov, Michail P.: *See—*
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- Andros Analyzers Incorporated: *See—*
  - McClatchie, Edward A.; and Williams, Kevin G., 4,829,183, Cl. 250-346.000.
- Andros, Andrew A.; and Campana, Thomas J., to Telefind Corp. Paging receiver with dynamically programmable channel frequencies and functionality. 4,849,750, 7-18-89, Cl. 340-825.440.
- Andros, Andrew A.; and Campana, Thomas J., to Telefind Corp. Paging receiver with continuously tunable antenna. 4,851,830, 7-25-89, Cl. 340-825.440.
- Andros, Andrew A.; and Campana, Thomas J., to Telefind Corp. Paging receiver displaying place of origin of pages. 4,853,688, 8-1-89, Cl. 340-825.440.
- Andros, Andrew A.; and Campana, Thomas J., to Telefind Corp. Paging receiver with paging receiver identification code digits transmitted in order of increasing significance. 4,857,915, 8-15-89, Cl. 340-825.440.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system hub switch. 4,866,431, 9-12-89, Cl. 340-825.020.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system lata switch. 4,868,558, 9-19-89, Cl. 340-825.020.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system. 4,868,562, 9-19-89, Cl. 340-825.440.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system for entering pages by local telephone call. 4,868,860, 9-19-89, Cl. 379-57.000.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system local switch. 4,870,410, 9-26-89, Cl. 340-825.020.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system with transmission protocol compatible with analog and digital transmitters. 4,875,039, 10-17-89, Cl. 340-825.440.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system sublocal switch. 4,876,538, 10-24-89, Cl. 340-825.260.
- Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., to Telefind Corp. Paging system with commands for changing functionality of a paging receiver. 4,878,051, 10-31-89, Cl. 340-825.440.
- Andros, Andrew A.; and Campana, Thomas J., Jr., to Telefind Corp. Paging system with dynamically programmable reception frequencies. 4,881,073, 11-14-89, Cl. 340-825.440.
- Andros, Richard P., Jr., to Motorola, Inc. Radio having an invertible display with reversible controls. 4,817,194, 3-28-89, Cl. 455-154.000.
- Andros, Theodore A. Credit card chain holder. 4,829,690, 5-16-89, Cl. 40-642.000.
- Androulakis, Margo: *See—*
  - Sprecker, Mark A.; Androulakis, Margo; and Hanna, Marie R., 4,822,515, Cl. 252-174.110.
  - Sprecker, Mark A.; and Androulakis, Margo, 4,863,631, Cl. 252-174.110.
- Andrus, Bryan: *See—*
  - Oglesby, Gary; and Andrus, Bryan, 4,840,372, Cl. 272-72.000.
- Andrus, James H., to Honeywell, Inc. Electromagnetic force sensor. 4,882,512, 11-21-89, Cl. 310-90.500.
- Andrus, William A.; Efcavitch, J. William; and McBride, Lincoln J., to Applied Biosystems, Inc. Chemical capping by phosphitylation during oligonucleotide synthesis. 4,816,571, 3-28-89, Cl. 536-27.000.
- Andrus, William C., to Design Council. Work station environmental system. 4,872,094, 10-3-89, Cl. 362-96.000.
- Andrzejewski, Thomas: *See—*
  - Enderle, Eckhard; Kaufmann, Dieter; Muller, Helmut; and Andrzejewski, Thomas, 4,888,877, Cl. 33-559.000.
- Andus Corporation: *See—*
  - Kittler, Wilfred C., 4,802,967, Cl. 204-192.140.
  - Kittler, Wilfred C., 4,865,711, Cl. 204-192.140.
  - Stoddard, Darrell, 4,838,656, Cl. 350-336.000.
- Andy River Inc.: *See—*
  - Young, Edward G., 4,795,570, Cl. 210-770.000.
- Aneha, Nobuhiko: *See—*
  - Shirato, Takehide; and Aneha, Nobuhiko, 4,809,056, Cl. 357-71.000.
- Aneja, Viney P.; and Skilbeck, John P., to General Electric Company. Method for devolatilizing polymer solutions. 4,808,262, 2-28-89, Cl. 159-47.100.
- Anelva Corporation: *See—*
  - Kim, Kyungshik; and Wilkinson, Owen, 4,829,215, Cl. 315-111.410.
  - Shibagaki, Masami, 4,885,054, Cl. 156-643.000.
  - Takahashi, Nobuyuki; and Kitahara, Hiroaki, 4,825,808, Cl. 118-719.000.
  - Ukai, Katsumi; Tsukada, Tsutomu; Ikeda, Kouji; and Adachi, Toshio, 4,816,638, Cl. 219-121.430.
- Anemaet, John M., to Dennison Manufacturing Company. External heating of transfer pads. 4,870,251, 9-26-89, Cl. 219-243.000.
- Anesi, Dennis W.: *See—*
  - Wilson, Dennis A.; Anesi, Dennis W.; and Williamsen, Mark S., 4,797,820, Cl. 364-420.000.
  - Wilson, Dennis A.; Anesi, Dennis W.; and Williamsen, Mark S., 4,807,664, Cl. 137-624.110.
- Anezaki, Mitsugu: *See—*
  - Tsuzuki, Kazuo; Yoshida, Yoshinori; Ishizuka, Toshio; and Anezaki, Mitsugu, 4,827,473, Cl. 370-60.000.
- Anflo, Kjell S.; Grabs, Jan W. I.; and Ivarsson, Roland H., to U.S. Philips Corporation. Radar system. 4,823,133, 4-18-89, Cl. 342-199.000.
- Anfossi, Bartolomeo: *See—*
  - Neri, Carlo; Anfossi, Bartolomeo; Esposito, Antonio; and Buonomo, Franco, 4,833,260, Cl. 549-531.000.
- Anfosso, Roger; Borg, Evrard; Doute, Jean-Rene; Zwiller, Charles; and Gouallec, Jean-Pierre, to Societe Nationale des Poudres et Explosi Perforator-injector with an internal percussion mass. 4,832,26 5-23-89, Cl. 239-271.000.
- Ang, Jit F.: *See—*
  - Miller, William B.; and Ang, Jit F., 4,857,352, Cl. 426-548.000.
- Angara, Rao V. Calendar assembly. 4,872,277, 10-10-89, Cl. 40-117.000.
- Angehrn, Anton: *See—*
  - Zumstein, Bruno; Angehrn, Anton; and Stahel, Beat, 4,831,718, Cl. 29-609.000.
- Angehrn, Jorg A., to Chevron Research Company. Three-dimensional borehole televiewer display. 4,847,814, 7-11-89, Cl. 367-72.000.
- Angehrn, Jorg A.: *See—*
  - Graebner, Peter; Sie, Swan A.; and Angehrn, Jorg A., 4,803,47 Cl. 340-860.000.
  - Graebner, Peter; Sie, Swan A.; and Angehrn, Jorg A., 4,862,4 Cl. 367-33.000.
- Angel, James M.: *See—*
  - Stultz Robert L.; Angel, James M.; and Kopsa, Rodney, 4,817,91 Cl. 254-30.000.
- Angel, S. Michael, to United States of America, Energy. Fiber optic fluid detector. 4,834,497, 5-30-89, Cl. 350-96.290.
- Angel, Shlomo. Portable electronic scale of minimal thickness and weight. 4,800,973, 1-31-89, Cl. 177-211.000.
- Angelchik, Jean P. Closure for sealing an aperture. 4,809,871, 3-7-89, Cl. 220-307.000.
- Angelier, Robert: *See—*
  - Devic, Michel; and Angelier, Robert, 4,812,206, Cl. 162-19.000.
- Angelillo, Domenico; and Riversa, Antonio, to Industrie Magneti Marelli S.r.l. Duplex-type distributor for a pneumatic braking system for a motor vehicle equipped with an auxiliary slowing device. 4,819,992, 4-11-89, Cl. 303-20.000.
- Angelillo, Domenico, to Industrie Magneti Marelli S.r.L. Pneumatic valve, particularly a duplex-type distributor for a braking system including a device for limiting the maximum distributable pressure. 4,822,110, 4-18-89, Cl. 303-56.000.

- Angelini, Antonio: *See—*
  - Quack, Hans; and Angelini, Antonio, 4,884,409, Cl. 62-51.100.
- Angelini, Mario: *See—*
  - McCrainor, Peter R.; Caplin, Peter B.; Middlemas, James W.; Rees, Geraint; and Angelini, Mario, 4,824,438, Cl. 44-16.00F.
- Angelini, Paolo: *See—*
  - Wijay, Bandula; and Angelini, Paolo, 4,884,573, Cl. 128-344.000.
- Angelini Pharmaceuticals Ltd.: *See—*
  - Schoenwald, Ronald D., 4,879,294, Cl. 514-253.000.
  - Schoenwald, Ronald D., 4,879,304, Cl. 514-374.000.
- Angelini, Sergio. Cell for continuous electrolytic deposition treatment of bars and the like. 4,820,395, 4-11-89, Cl. 204-207.000.
- Angelini, Sergio. Automatic plant for continuous electroplating treatment of metal bars. 4,840,716, 6-20-89, Cl. 204-207.000.
- Angelis, Jurgen; Scherf, Hartmut; and Haase, Helmut, to BBC Brown Boveri Aktiengesellschaft. Method of protecting the electric drive of a vehicle against overload. 4,845,414. 7-4-89, Cl. 318-434.000.
- Angell, Barbara L.; Ash, Charles E.; and Chambers, Scott W., to Libbey-Owens-Ford Co. Vacuum ring for producing laminated glass. 4,832,782, 5-23-89, Cl. 156-382.000.
- Angell, Cyril N. E., to Avon Industrial Polymers Limited. Respirator air guide. 4,881,538, 11-21-89, Cl. 128-201.150.
- Angell, Richard G., Jr.; Michno, Michael J., Jr.; Konrad, John M.; and Hobbs, Kenneth E., to Amoco Corporation. Hot-melt prepreg tow process. 4,804,509, 2-14-89, Cl. 264-136.000.
- Angello, Debra A.; and Wilson, Richard A., to Angello, Paul S., a part interest. Method of determining the viability of tissue in an organism. 4,824,660, 4-25-89, Cl. 424-1.100.
- Angello, Paul S.: *See—*
  - Angello, Debra A.; and Wilson, Richard A., 4,824,660, Cl. 424-1.100.
- Angelo Cremona & Figlio S.p.A.: *See—*
  - Cremona, Angelo, 4,809,574, Cl. 83-80.000.
  - Cremona, Lorenzo, 4,862,600, Cl. 34-117.000.
- Angelo, Grandini: *See—*
  - Michele, Cardone; Angelo, Grandini; and Bruno, Zaramella, 4,837,540, Cl. 335-286.000.
- Angelo Guala S.p.A.: *See—*
  - Battegazzore, Piero, 4,830,207, Cl. 215-252.000.
- Angelo, J. F., II. Apparatus and method for maximizing production of heat, gas, and electricity through the acceleration of hydrogen dissociation. 4,808,286, 2-28-89, Cl. 204-157.150.
- Angelo, James F., II. Rotary calcining kiln. 4,834,648, 5-30-89, Cl. 432-103.000.
- Angelo, Michael: *See—*
  - Alzmann, Donald; Angelo, Michael; Waldner, Paul R.; and Brady, Arthur, 4,829,375, Cl. 358-101.000.
- Angelo, Ross P., to Angelo, Ross P. Back release apparatus. 4,838,250, 6-13-89, Cl. 128-75.000.
- Angeloni, Giorgio: *See—*
  - Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,847,232, Cl. 502-160.000.
  - Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,866,137, Cl. 525-330.300.
- Angelopoulos, Marie: *See—*
  - Yaniger, Stuart I.; Macdiarmid, Alan G.; and Angelopoulos, Marie, 4,806,271, Cl. 252-500.000.
- Angelsen, Bjorn A. J.; and Kristoffersen, Kjell, to Vingmed A/S. Method and apparatus for investigating a circulatory system in living biological structures. 4,848,354, 7-18-89, Cl. 128-660.050.
- Angelsen, Bjorn A. J.; and Linker, David. Laser catheter delivery system for controlled atheroma ablation combining laser angioplasty and intra-arterial ultrasonic imagining. 4,887,605, 12-19-89, Cl. 128-660.030.
- Angeiacci, Ernest A., to Unisys Corporation. Test probe accessibility method and tool. 4,841,231, 6-20-89, Cl. 324-73.00R.
- Anger, Bernd: *See—*
  - Feickert, Hans-Joachim; Rettig, Wolfgang; Chorney, Karen; Cordon-Cardo, Carlos; Melamed, Myron R.; Lloyd, Kenneth O.; Oettgen, Herbert F.; Old, Lloyd J.; and Anger, Bernd, 4,865,998, Cl. 436-548.000.
- Anger, Wilhelm, to Eyemetrics-Systems AG. Temple for eyeglasses. 4,804,260, 2-14-89, Cl. 351-118.000.
- Anger, Wilhelm, to Eyemetrics-Systems AG. Temple end piece for a temple of a spectacle frame. 4,820,034, 4-11-89, Cl. 351-123.000.
- Anger, Wilhelm; and Leuzinger, Christoph, to Eyemetrics-Systems AG. Device for determining the forces in the area of the contact surfaces between a spectacle frame and the head of the wearer. 4,873,994, 10-17-89, Cl. 128-774.000.
- Angerbauer, Rolf Boberg, Michael; Metzger, Karl G.; and Zeiler, Hans-Joachim, to Bayer Aktiengesellschaft. Cephalosporins. 4,880,795, 11-14-89, Cl. 514-202.000.
- Angerer, Reinhard, to BLV Licht- und Vakuumtechnik GmbH. Bayonet base for a lamp or reflector. 4,869,689, 9-26-89, Cl. 439-616.000.
- Angersbach, Dieter: *See—*
  - Evans, John M.; Stemp, Geoffrey; Nicholson, Charles D.; and Angersbach, Dieter, 4,808,619, Cl. 514-278.000.
- Angerstein, Michael D.: *See—*
  - Bhaskar, Eldurkar V.; Leban, Marzio A.; and Angerstein, Michael D., 4,844,945, Cl. 427-39.000.
- Angevine, Philip J.; Degnan, Thomas F., Jr.; and Landis, Michael E., to Mobil Oil Corporation. Process for hydrotreating residual petroleum oil. 4,812,228, 3-14-89, Cl. 208-251.00H.
- Angevine, Philip J.; Chu, Pochen; Degnan, Thomas F.; and Kirker, Garry W., to Mobil Oil Corp. Resid upgrading process. 4,834,869, 5-30-89, Cl. 208-213.000.
- Angevine, Philip J.: *See—*
  - Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., 4,810,361, Cl. 208-213.000.
  - Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., 4,873,216, Cl. 502-211.000.
- Angewandte Digital Elektronik GmbH: *See—*
  - Mackenthun, Holger; and Kreft, Hans-Diedrich, 4,796,028, Cl. 340-825.580.
- Anghaie, Samim; and Diaz, Nils J., to Florida Nuclear Associates, Inc. Gamma ray flaw detection system. 4,870,669, 9-26-89, Cl. 378-87.000.
- Angio-Medical Corporation: *See—*
  - Catsimpoolas, Nicholas; Kamarei, Ahmad R.; Griffith, Ann L.; and Sinn, Robert S., 4,879,114, Cl. 424-95.000.
  - Catsimpoolas, Nicholas; McCluer, Robert; Sinn, Robert S.; and Evans, James, 4,888,324, Cl. 514-25.000.
  - Kamarei, Ahmad R.; Klibaner, Michael; and Peton, Denise, 4,879,312, Cl. 514-560.000.
- Angiogenics, Ltd.: *See—*
  - Gillespie, Larrian, 4,820,693, Cl. 514-25.000.
- Angiolicchio, Raffaele: *See—*
  - Fieschi, Giorgio; and Angiolicchio, Raffaele, 4,827,857, Cl. 112-121.260.
- Angli Holding B.V.: *See—*
  - De Gruijter, Wilhelmus A. E. M., 4,824,147, Cl. 285-53.000.
- Anglin, Noah L., to Greyhawk Systems, Inc. Method of and apparatus for mounting a mirror to a rotatable shaft. 4,802,752, 2-7-89, Cl. 350-631.000.
- Anglin, Willie R., to Outboard Marine Corporation. Molding apparatus with improved ejector pin. 4,889,311, 12-26-89, Cl. 249-68.000.
- Angove, Richard D. Highway profile measuring device. 4,821,426, 4-18-89, Cl. 33-523.000.
- Angseryd, Jan: *See—*
  - Timerdahl, Ake; and Angseryd, Jan, 4,863,379, Cl. 433-28.000.
- Angst, Gunhild: *See—*
  - Beutler, Rolf D.; Wimmer, Thomas; and Angst, Gunhild, 4,808,388, Cl. 424-47.000.
- Angstadt, John J., to Procter & Gamble Company, The. Absorbent core having a dusting layer. 4,888,231, 12-19-89, Cl. 428-213.000.
- Angstenberger, Dieter: *See—*
  - Hoffmann, Joachim; Karner, Josef; Angstenberger, Dieter; and Zerrer, Gerhard, 4,866,846, Cl. 30-276.000.
- Angulo, Earl D.; and Goodfriend, Roger, to United States of America, National Aeronuautics & Space Administration. Cutting head for ultrasonic lithotripsy. 4,823,793, 4-25-89, Cl. 128-328.000.
- Angus Chemical Company: *See—*
  - Coulston, Frederick; and Korte, Friedrich W. A. G. K., 4,869,896, Cl. 424-45.000.
- Angus, James P., to Rolls-Royce Limited. Method of making an integral bladed member. 4,826,645, 5-2-89, Cl. 264-108.000.
- Angus, James P.; and Salt, Derek, to Rolls-Royce plc. Temperature thermal history indicating device. 4,829,539, 5-9-89, Cl. 374-159.000.
- Angus, Julian G.: *See—*
  - Hollingsworth, Fred, III; and Angus, Julian G., 4,879,849, Cl. 52-10.000.
- Angus, William H.; and Grollimund, Everett C., to Dental Design Systems, Inc. Tooth fracture finder. 4,828,494, 5-9-89, Cl. 433-215.000.
- Angus, William H.: *See—*
  - Grollimund, Everett C.; and Angus, William H., 4,832,062, Cl. 132-327.000.
- Angyan, Sandor: *See—*
  - Szego, Andras; Peterdi, Viktoria; Kovats, Ferenc; Sos, Jozsef; Racz, Istvan; Angyan, Sandor; and Marmarosi nee Kellner, Katalin, 4,826,863, Cl. 514-395.000.
- Anheuser-Busch, Incorporated: *See—*
  - Clyne, Carl W.; Woolever, Gary L.; Teng, James; and Naji, Hooshang, 4,801,466, Cl. 426-232.000.
  - Clyne, Carl W.; Woolever, Gary L.; Teng, James; and Naji, Hooshang, 4,841,457, Cl. 364-557.000.
- Ani Corporation Limited, The: *See—*
  - McSweeney, Brett S., 4,823,706, Cl. 105-165.000.
- Anic S.p.A.: *See—*
  - Neri, Carlo; Anfossi, Bartolomeo; Esposito, Antonio; and Buonomo, Franco, 4,833,260, Cl. 549-531.000.
- Anicon, Inc.: *See—*
  - Diem, Michael; Fisk, Michael A.; and Goldman, Jon C., 4,817,557, Cl. 118-719.000.
- Anilionis, Algis: *See—*
  - Palmer, John L.; and Anilionis, Algis, 4,888,280, Cl. 435-69.700.
- Animated Voice Corporation: *See—*
  - Jenkin, Keith R.; and Chan, Shufan, 4,888,806, Cl. 381-35.000.
- Animedics, Inc.: *See—*
  - Rader, Helmut, 4,846,220, Cl. 137-564.500.
- Anis, Aziz Y. Flexible three-piece posterior chamber lens. 4,795,460, 1-3-89, Cl. 623-6.000.
- Anis, Aziz Y. Flexible one-piece posterior chamber lens. 4,804,361, 2-14-89, Cl. 623-6.000.
- Anis, Aziz Y. Flexible one-piece posterior chamber lens. 4,878,911, 11-7-89, Cl. 623-6.000.
- Anis, Aziz Y. Flexible posterior chamber lens. 4,880,427, 11-14-89, Cl. 623-6.000.
- Anisimov, Sergei I.: *See—*
  - Fedorov, Svyatoslav N.; Pashinova, Nadezhda F.; Anisimov, Sergei I.; Degtev, Evgeny I.; Zakharov, Dmitry V.; Karavaev, Alexandr A.; Kiselev, Vladimir G.; Juzhelevsky, July A.; and Sokolov, Sergei V., 4,863,462, Cl. 623-6.000.

Anisovich, Kliment V.; Orekhov, Jury I.; and Soskin, Eduard E. Multichannel x-ray spectrometer. 4,852,135, 7-25-89, Cl. 378-49.000.
Anita-Spezialmiederfabrik Dr. Helbig Gesellschaft m.b.H. & Co. KG: *See—*
  Eberl, Tertulin; and Weber-Unger, Georg, 4,795,464, Cl. 623-8.000.
Aniuk, Lawrence M.; Dieck, Ronald L.; and Hardy, Dwayne, to Menlo Care, Inc. Polymeric article having high tensile energy to break when hydrated. 4,883,699, 11-28-89, Cl. 428-36.900.
Anke, Timm: *See—*
  Karbach, Stefan; Schirmer, Ulrich; Rentzea, Costin; Pommer, Ernst-Heinrich; Ammermann, Eberhard; Steglich, Wolfgang; Schwalge, Barbara A. M.; and Anke, Timm, 4,822,908, Cl. 560-60.000.
  Wenderoth, Bernd; Anke, Timm; Rentzea, Costin; Ammermann, Eberhard; Pommer, Ernst-Heinrich; and Steglich, Wolfgang, 4,829,085, Cl. 514-522.000.
Ankenman, Bruce E.; and Cunitz, Donald G., to Therm-O-Disc, Incorporated. Variable resistance thermal protector and method of making same. 4,873,508, 10-10-89, Cl. 338-25.000.
Ankeny, Mark D.; Kaspar, Thomas C.; and Horton, Robert, Jr., to Iowa State University Research Foundation, Inc. Automated tension infiltrometer. 4,884,436, 12-5-89, Cl. 73-38.000.
Anklam, William J.: *See—*
  Tan, Michael; Su, Chung-Yi; and Anklam, William J., 4,855,696, Cl. 333-20.000.
Ankri, David; and Palmier, Jean-Francois. Monolithic semiconductor structure of a heterojunction bipolar transistor and a laser. 4,801,993, 1-31-89, Cl. 357-40.000.
Ankrom, Michael J.; and Rew, James A., to Westinghouse Electric Corp. Method and apparatus for solder deposition. 4,801,069, 1-31-89, Cl. 228-180.200.
Ankrom, Michael J.; Bowcutt, Corey H.; Buckley, John J., Jr.; and Rew, James A., to Westinghouse Electric Corp. Method for vapor phase soldering. 4,840,305, 6-20-89, Cl. 228-232.000.
Ankum, Robert H.; and Olson, Jay H., to Deere & Company. Self-aligning hinge. 4,799,291, 1-24-89, Cl. 16-259.000.
Anliker, Anton. Device for building slabs from building blocks. 4,829,737, 5-16-89, Cl. 52-749.000.
Anliker, Markus: *See—*
  Berner, Jorg; Anliker, Markus; Feller, Willy; and Breer, Werner, 4,808,952, Cl. 335-41.000.
Annacker, Heinz, to Swiss Aluminium Ltd. Process and device for removing residual parts of rolled coils in strip rolling mills. 4,828,199, 5-9-89, Cl. 242-79.000.
Annaka, Masahiko: *See—*
  Kusano, Hiroshi; Kiniwe, Hideaki; Shimura, Akihiro; and Annaka, Masahiko, 4,851,382, Cl. 502-401.000.
Annala, Wayne C., to United States of America, Energy. Discriminating ultrasonic proximity detection system. 4,800,540, 1-24-89, Cl. 367-87.000.
Annamalai, Kadiresan, to Advanced Micro Devices Inc. Communication filter. 4,835,776, 5-30-89, Cl. 371-49.000.
Annamalai, Kadiresan, to Advanced Micro Devices, Inc. Implementation of smoothing apparatus for an independently clocked network. 4,849,969, 7-18-89, Cl. 370-100.000.
Annamalai, Kadiresan, to Advanced Micro Devices, Inc. Reliable recovery of data in encoder/decoder. 4,890,304, 12-26-89, Cl. 375-114.000.
Annand, David S. Sutureless closure. 4,815,468, 3-28-89, Cl. 128-335.000.
Annas, Dulin L., Sr.; and Teague, Richard M., to Arteg, Inc. Conveyor system with a mechanical brain. 4,850,471, 7-25-89, Cl. 198-349.300.
Annas, Dulin L., Sr, Dulin L.; and Teague, Richard M., to TSA, Inc. Tack strip padding applicator. 4,853,067, 8-1-89, Cl. 156-351.000.
Anne, Roland, to Gaz de France. Guidance and protection system for the laying of pipes. 4,889,450, 12-26-89, Cl. 405-154.000.
Annemaier, Dieter; Graf, Robert; and Keipl, Stefan, to Chemische Fabrik Grunau GmbH. Fire prevention material. 4,816,312, 3-28-89, Cl. 428-74.000.
Anner Research and Development Limited: *See—*
  Kee, William C.; Brannigan, Patrick M.; and Clarke, Cornelius B., 4,857,008, Cl. 439-352.000.
Annett, Leland W., to Medical Concepts Development, Inc. Hinged container for surgical articles. 4,886,165, 12-12-89, Cl. 206-370.000.
Annicchiarico, Franco; and Pilari, Adima. Machine for the manufacture of short cut pasta, in particular orecchiette, cavatelli etc. 4,822,271, 4-18-89, Cl. 425-296.000.
Annighofer, Frank; Schneider, Ewald; and Schultze, Hans-Joachim, to Ems-Inventa AG. Polyester melt-adhesive compositions and methods of making and using them. 4,885,331, 12-5-89, Cl. 524-539.000.
Annis, David; and Berry, John P., to Ethicon, Inc.; and University of Liverpool. Apparatus for producing fibrous structures electrostatically. 4,842,505, 6-27-89, Cl. 425-174.80E.
Annis, David; Brown, Malcolm C.; and Sutherst, John R., to National Research Development Corporation. Urinary incontinence prostheses. 4,857,041, 8-15-89, Cl. 600-30.000.
Annis, David: *See—*
  Berry, John P.; and Annis, David, 4,883,453, Cl. 600-36.000.
Annis, Martin; and Bjorkholm, Paul J., to American Science and Engineering, Inc. X-ray imaging particularly adapted for low Z materials. 4,799,247, 1-17-89, Cl. 378-87.000.
Annis, Martin, to American Science and Engineering, Inc. Method and apparatus for producing tomographic images. 4,809,312, 2-28-89, Cl. 378-146.000.
Annis, Martin; and Bjorkholm, Paul, to American Science and Eng- neering, Inc. Radiographic sensitivity for detection of flaws and cracks. 4,819,256, 4-4-89, Cl. 378-87.000.
Annis, Martin; Johnson, Michael; and Mastronardi, Richard, to American Science and Engineering, Inc. Tomographic imaging with concentric conical collimator. 4,825,454, 4-25-89, Cl. 378-87.000.
Annis, Martin; and Bjorkholm, Paul, to American Science and Eng- neering, Inc. Shadowgraph imaging using scatter and fluorescence 4,839,913, 6-13-89, Cl. 378-44.000.
Anno, Masahiro: *See—*
  Machida, Junji; Ohtani, Junji; Sano, Eiichi; Anno, Masahiro; Kohn, Toshitaro; Tanigami, Yukio; and Kobayashi, Makoto, 4,822,708, Cl. 430-106.600.
Annovi, Giuseppe, to Dolomite S.p.A. Ski-boot heater. 4,798,933, 1-17-89, Cl. 219-211.000.
Anraku, Hideo; and Shoji, Yoshikata, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Vacuum blood-collection tube. 4,856,533, 8-15-89, C 128-763.000.
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  Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,801,892, Cl. 330-288.000.
  Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,804,927, Cl. 330-288.000.
  Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,859,966, Cl. 330-288.000.
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  Inagaki, Shintaro; and Kobayashi, Akira, 4,800,288, C 250-578.000.
  Itaya, Hiroshi; and Saito, Goro, 4,812,738, Cl. 324-58.00B.
  Itaya, Hiroshi; and Saito, Goro, 4,845,642, Cl. 364-518.000.
  Itaya, Hiroshi; and Kawauchi, Takehiko, 4,845,691, C 368-120.000.
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  Kuriyama, Zenkichi; Aoba Masaho; and Takeuchi, Teru 4,839,875, Cl. 369-14.000.
  Nakatsugawa, Kenji; Katayama, Aiichi; Sekiya, Hitoshi; and Hi suka, Shoji, 4,797,936, Cl. 382-1.000.
  Nakatsugawa, Kenji; Katayama, Aiichi; and Sekiya, Hitosh 4,878,194, Cl. 364-900.000.
  Osawa, Masao; Tsukasa, Fumihiro; Tomiyama, Sadayoshi; a Tanaka, Noboru, 4,846,291, Cl. 177-25.180.
  Saito, Goro; and Itaya, Hiroshi, 4,802,106, Cl. 364-521.000.
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  Takahashi, Hiroshi; and Nishiyama, Hitoshi, 4,849,714, Cl. 3 1.00A.
  Takano, Mitsuyoshi, 4,801,873, Cl. 324-77.00R.
  Takano, Mitsuyoshi; and Fukaya, Seiryo, 4,839,583, Cl. 324-77.00
  Takano, Mitsuyoshi, 4,890,099, Cl. 340-724.000.
  Tanaka, Tomeo; and Oda, Toshikazu, 4,857,677, Cl. 200-5.00R.
  Toda, Kouichi; and Hashizu, Masaaki, 4,862,106, Cl. 331-2.000.
  Tsukamoto, Takeshi; Tanimoto, Takao; and Miyao, Hideto 4,799,789, Cl. 356-73.100.
  Tsukamoto, Takeshi; and Tanimoto, Takao, 4,799,790, C 356-73.100.
  Yoshino, Yutaka; Gotoh, Makoto; Fujimoto, Osamu; and Shizu Masahiro, 4,837,814, Cl. 379-144.000.
Anritsu Meter Co., Ltd.: *See—*
  Kabayashi, Seishiro, 4,859,081, Cl. 374-179.000.
Ansaloni, Raffaele: *See—*
  Dallavalle, Silvano; and Ansaloni, Raffaele, 4,814,577, C 219-121.570.
Ansan Industries Limited: *See—*
  Wilson, Dennis A.; Anesi, Dennis W.; and Williamsen, Mark 4,797,820, Cl. 364-420.000.
  Wilson, Dennis A.; Anesi, Dennis W.; and Williamsen, Mark 4,807,664, Cl. 137-624.110.
Anschel, Morris; Goodrich, Lawrence D.; and Hetrick, Barton M. International Business Machines Corporation. Method for developing negative photoresists. 4,886,727, 12-12-89, Cl. 430-311.000.
Anscher, Joseph A.; and Dillner, James, to National Molding Co Cord fastener. 4,878,269, 11-7-89, Cl. 24-115.00G.
Ansdale, Richard F., to Compression Technology Inc. Oscillating w machine. 4,823,743, 4-25-89, Cl. 123-18.00R.
Anseau, Michael R.; Lawson, James M.; and Slasor, Shaun, to Cook Group plc. Ceramic material. 4,804,644, 2-14-89, Cl. 501-98.000.
Anseau, Michael R.; Lawson, James M.; and Slasor, Shaun. Process making an improved ceramic material. 4,866,013, 9-12-89, C 501-97.000.
Ansel, Robert E.: *See—*
  Murphy, Edward J.; Ansel, Robert E.; and Krajewski, Joh 4,844,144, Cl. 164-35.000.
  Murray, Kevin P.; Hoffman, William E.; and Ansel, Rober 4,818,780, Cl. 524-430.000.
  Murray, Kevin P.; Ansel, Robert E.; and Schmid, Steve 4,822,841, Cl. 524-356.000.
Ansell, Daniel F.; Harris, James C.; Howell, Steven E.; Miller, Mich S.; and Wysong, Robert D., to International Business Mach Corporation. Adapter card mounting in a low profile microcomp 4,862,327, 8-29-89, Cl. 361-415.000.
Ansell Incorporated: *See—*
  Pugh, Bradley L., 4,795,425, Cl. 128-844.000.

Ansell, John W.; Chopping, Geoffrey; and Waters, Richard N., to Plessey Company plc, The. Security arrangement for a telecommunications exchange system. 4,858,223, 8-15-89, Cl. 370-14.000.
Anselmino, Claudio: *See—*
  Wohrle, Ernst; and Anselmino, Claudio, 4,805,673, Cl. 141-10.000.
Ansgar, Betz; and Gerhard, Hagele, to Zahnradfabrik Friedrichshafen AG. Rack and pinion steering mechanism. 4,815,329, 3-28-89, Cl. 74-422.000.
Ansley, William K. Jumpsuit for controlled freefalling. 4,884,768, 12-5-89, Cl. 244-143.000.
Ansmann, Achim, to Henkel Kommanditgeselischaft auf Aktien. Oil-in-water emulsions with increased viscosity under shear stress. 4,798,682, 1-17-89, Cl. 252-312.000.
Anson, James H.: *See—*
  Nidiffer, Charles A.; Anson, James H.; Ephraim, Daniel R.; and Ephraim, Philip C., 4,813,622, Cl. 241-100.000.
Ansorge, Wilhelm, to Europaisches Laboratorium fur Molekularbiologie. Device for the injection of very small amounts of samples into cells. 4,836,244, 6-6-89, Cl. 137-557.000.
Anstee, Christopher J., to Britax Wingard Limited. Rearview mirror for a motor vehicle. 4,871,953, 10-3-89, Cl. 318-466.000.
Anstee, L. Lavern: *See—*
  Crane, Jack W.; Anstee, L. Lavern; VanGinhoven, Robert M.; and Jennings, Richard E., 4,887,416, Cl. 56-13.600.
Anstey, Henry D.: *See—*
  Ardueser, William A.; and Anstey, Henry D., 4,889,047, Cl. 100-87.000.
Anstey, Michael J., to Dowty Electronic Components Limited. Interconnection systems for electrical circuits. 4,872,843, 10-10-89, Cl. 439-69.000.
Anstey, Michael J.: *See—*
  Brown, David F.; and Anstey, Michael J., 4,823,233, Cl. 361-383.000.
Anstro Manufacturing Co., Inc.: *See—*
  Bosco, Robert R., 4,823,921, Cl. 188-250.00G.
Answer Company, The: *See—*
  Nabinger, Richard, 4,796,774, Cl. 220-90.400.
Answer Products, Inc.: *See—*
  Boyer, Scott M.; Cole, Steven J.; Gauvin, Roger A.; and Mitchell, Joe C., 4,887,754, Cl. 224-319.000.
ANT Nachrichtentechnik GmbH: *See—*
  Altes, Harald, 4,802,232, Cl. 382-56.000.
  Blume, Georg; Bohmwetsch, Dieter; and Eckardt, Fritz, 4,861,133, Cl. 350-96.200.
  Feilhauer, Helmut; and Steimle, Josef, 4,798,442, Cl. 350-96.210.
  Gockler, Heinz, 4,839,889, Cl. 370-70.000.
  Goeckler, Heinz; and Alberty, Thomas, 4,881,222, Cl. 370-70.000.
  Grassman, Wolfgang; Berner, Walter; and Muller, Gunter, 4,823,340, Cl. 370-58.000.
  Hespelt, Volker; and Alberty, Thomas, 4,847,872, Cl. 375-97.000.
  Hoffmann, Michael, 4,811,363, Cl. 375-83.000.
  Hoffmann, Michael, 4,843,616, Cl. 375-81.000.
  Hoffmann, Michael, 4,860,320, Cl. 375-83.000.
  Kindermann, Richard, 4,827,676, Cl. 51-281.00R.
  Morz, Gunter; Weiser, Wolfgang; Lenz, Sigmund; and Pivit, Erich, 4,810,979, Cl. 333-1.100.
  Morz, Gunter; Pivit, Erich; and Lenz, Sigmund, 4,837,528, Cl. 333-24.100.
  Rieger, Gunther, 4,872,164, Cl. 370-104.100.
  Schiller, Wolfgang, 4,850,035, Cl. 455-109.000.
  Schomers, Josef, 4,862,161, Cl. 340-825.800.
  Wiesmann, Theo; Steinert, Wolfgang; Muller, Jurgen; and Noldeke, 4,866,738, Cl. 375-23.000.
Antal, Kalman; Ugrosdy, Laszlo ; and Rimay, Bela, to Tungsram Reszvenytarsasag. Process for flushing and filling a low pressure gas discharge light source. 4,861,302, 8-29-89, Cl. 445-38.000.
Antal, Sandor: *See—*
  Kovacs, Ferenc; Lengyel, Miklosne ; Nagy, Tibor; Antal, Sandor; Gyongyosi, Gyorgy; Palotas, Laszlo; and Pfisztner, Nandor, 4,860,798, Cl. 138-133.000.
  Lantos, Elemer; Gyongyosi, Gyorgy; and Antal, Sandor, 4,850,619, Cl. 285-149.000.
Antao, Leonard F.: *See—*
  Rudick, Arthur G.; Smazik, Kenneth G.; and Antao, Leonard F., 4,808,348, Cl. 261-82.000.
Anteg, Inc.: *See—*
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Antenna Incorporated, A Division of Celwave: *See—*
  Friedberg, Milton R.; and Trebules, Victor W., 4,827,273, Cl. 343-715.000.
Anterior, Inc.: *See—*
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Antesberger, A. Wayne: *See—*
  Croley, Henry C.; and Antesberger, A. Wayne, 4,862,164, Cl. 340-952.000.
Anthes, Robert J.; Kremer, Ross A.; and Von Rosenberg, Susanne, to Mobil Oil Corporation. Mineral ore flotation process and apparatus. 4,851,036, 7-25-89, Cl. 75-2.000.
Anthias, Tefcros; Herrod, John A.; and Ricketts, Martin W., to International Business Machines Corporation. Data display system. 4,845,644, 7-4-89, Cl. 364-521.000.
Anthias, Tefcros; Herrod, John A.; and Trees, George M., to International Business Machines Corporation. Multiple window display system having indirectly addressable windows arranged in an ordered list. 4,890,257, 12-26-89, Cl. 364-900.000.
Anthon, Douglas A.; and Sipes, Donald L., Jr., to Amoco Corporation. Frequency conversion of optical radiation. 4,884,277, 11-28-89, Cl. 372-22.000.
Anthon, Douglas W.: *See—*
  Dixon, George J.; Anthon, Douglas W.; and Clark, John H., 4,879,722, Cl. 372-21.000.
  Dixon, George J.; Anthon, Douglas W.; and Clark, John H., 4,879,723, Cl. 372-21.000.
  Dixon, George J.; Anthon, Douglas W.; and Clark, John H., 4,884,276, Cl. 372-21.000.
Anthon, Erik W., to Optical Coating Laboratory, Inc. Optical system and components for optical disk reader. 4,863,246, 9-5-89, Cl. 350-394.000.
Anthoney, William R.; Young, Richard K.; and Limoges, Brian H., to Phillips Petroleum Company. Removal of liquid from a liquid-solids mixture. 4,834,874, 5-30-89, Cl. 210-179.000.
Anthonsen, Reiner; Kertesz, Ferenc; and Sack, Wieland, to Felix Schoeller GmbH & Co., KG. Water-resistant photographic paper support. 4,844,777, 7-4-89, Cl. 162-135.000.
Anthony Industries, Inc.: *See—*
  Sable, Chester A.; Maldarelli, Lawrence V.; Church, Henry; and Graboff, Roy, 4,844,414, Cl. 251-319.000.
Anthony, James R.; Merrick, David; Homeier, Ronald F.; and Lortz, Allan R., to Indiana Mills & Manufacturing, Inc. Safety belt buckle. 4,876,772, 10-31-89, Cl. 24-637.000.
Anthony, Jean M., to Tomtec N.V. Ultrasonic spraying device. 4,815,661, 3-28-89, Cl. 239-102.200.
Anthony, John D., Jr.; and Leffew, Kenneth W., to Du Pont de Nemours, E. I., and Company. Thickness control system having a duty cycle controller. 4,804,557, 2-14-89, Cl. 427-9.000.
Anthony, John H.; Brantley, William C., Jr.; McAuliffe, Kevin P.; Norton, Vern A.; and Pfister, Gregory F., to International Business Machines Corporation. Method and apparatus for efficiently handling temporarily cacheable data. 4,885,680, 12-5-89, Cl. 364-200.000.
Anthony P. Palett: *See—*
  Palett, Anthony P.; and Spear Jr., A. Gil, 4,875,229, Cl. 379-58.000.
Anthony Ross Company: *See—*
  Ross, Thomas W.; Hill, Robert B.; and Goodspeed, Byron L., 4,846,080, Cl. 110-182.500.
Anthony, Thomas C., to Hewlett-Packard Company. Lift-off process for patterning shields in thin magnetic recording heads. 4,853,080, 8-1-89, Cl. 156-637.000.
Anthony, Vivienne M.; Clough, John M.; Godfrey, Christopher R. A.; and de Fraine, Paul J., to Imperial Chemical Industries plc. Indole derivatives and their use as fungicides, insecticides and pesticides. 4,812,162, 3-14-89, Cl. 71-90.000.
Anthony, Vivienne M.; Clough, John M.; deFraine, Paul; Godfrey, Christopher R. A.; Crowley, Patrick J.; and Anderton, Kenneth, to Imperial Chemical Industries plc. Pyridine derivatives and their uses as fungicides and insecticides. 4,826,531, 5-2-89, Cl. 71-94.000.
Anthony, Vivienne M.; Clough, John M.; and Godfrey, Christopher R. A., to Imperial Chemical Industries plc. Dibenzo-p-dioxanes useful as fungicides. 4,857,545, 8-15-89, Cl. 514-452.000.
Anthony, Vivienne M.; Clough, John M.; de Fraine, Paul; Godfrey, Christopher R. A.; and Beautement, Kevin, to Imperial Chemical Industries PLC. Fungicides. 4,863,503, 9-5-89, Cl. 71-90.000.
Anthony, Vivienne M.; Clough, John M.; DeFraine, Paul; and Godfrey, Christopher R. A., to Imperial Chemical Industries PLC. Pyridine derivatives and their use as fungicides. 4,876,264, 10-24-89, Cl. 514-345.000.
Anthony, Vivienne M.; Clough, John M.; and Godfrey, Christopher A., to Imperial Chemical Industries PLC. Chemical compounds. 4,877,811, 10-31-89, Cl. 514-522.000.
Anthony, William M.; and Ringger, Hans R., to Allied-Signal Inc. Torque transmitting member. 4,828,422, 5-9-89, Cl. 403-24.000.
Anthro Corporation: *See—*
  Vossoughi, Sohrab; and Astleford, Marvin G., 4,836,486, Cl. 248-281.100.
Antibioticos, S.A.: *See—*
  Lopez, Jose L. G., 4,806,480, Cl. 435-252.330.
Antilozi, John E. Circuit underloading monitoring system. 4,825,199, 4-25-89, Cl. 340-640.000.
Antipov, Georgy A.; Gelfand, Mikhail L.; Goldshtein, Boris G.; Korniliev, Gennady A.; Lavnikov, Nikolai S.; Tsipenjuk, Yakov I.; and Yakubovsky, Petr S., to Nauchno-Proizvodstvennoe Obiedinenie Po Mekhanizirovannomu Stroitelnomu Instrumentru I Otdelochnym Mashinam. Impact wrench. 4,811,797, 3-14-89, Cl. 173-93.600.
Antkowiak, Richard P.: *See—*
  Rockwood, Robert E.; Antkowiak, Richard P.; and Pehl, John S., 4,863,177, Cl. 277-199.000.
Antkowiak, Robert G., to Tayco Developments, Inc. End cap for fluid cylinder. 4,867,043, 9-19-89, Cl. 92-165.00R.
Antoine, Antoine. Device for checking the surface condition of materials. 4,811,591, 3-14-89, Cl. 73-9.000.
Antoine, Dominique: *See—*
  Hantz, Dominique; Antoine, Dominique; and Jackowski, Bruno, 4,889,042, Cl. 99-340.000.
Antoku, Fujio; Yoshigi, Mayumi; Saji, Ikutaro; Kojima, Atsuyuki; and Ishizumi, Kukuo, to Sumitomo Pharmaceuticals Company, Limited. Imide derivatives and their use in the treatment psychosis. 4,812,461, 3-14-89, Cl. 514-278.000.
Antoku, Fujio: *See—*
  Ishizumi, Kikuo; Antoku, Fujio; Maruyama, Isamu; and Kojima, Atsuyuki, 4,843,078, Cl. 514-253.000.

- Antolik, Ralph E., III: *See—*
  - Braun, Hilarion; and Antolik, Ralph E., III, 4,827,287, Cl. 346-75.000.
- Anton/Bauer, Inc.: *See—*
  - Bauer, George W.; and Sokira, Thomas J., 4,849,662, Cl. 320-15.000.
  - Wilson, Anton, 4,810,204, Cl. 439-343.000.
  - Wilson, Anton, 4,822,296, Cl. 439-343.000.
- Anton, Christopher: *See—*
  - Mackley, Malcolm R.; and Anton, Christopher, 4,857,127, Cl. 156-242.000.
- Anton, David L.; Korant, Bruce D.; and Wang, Chia-Lin J., to Du Pont de Nemours, E. I., and Company. S-modified adenosyl-1,8-diamino-3-thiooctane derivatives. 4,803,272, 2-7-89, Cl. 544-277.000.
- Anton, George S., to Unisys Corporation. Enhanced capacity display monitor. 4,853,683, 8-1-89, Cl. 340-720.000.
- Anton, Karl-Heinz: *See—*
  - Beck, Herbert, Anton, Karl-Heinz; and Homner, Harald, 4,838,714, Cl. 400-124.000.
- Anton, Octavian; and Van Wouwe, Dirk, to Redco N.V. Synthetic crystal aggregates of xonotlite and process for preparing same. 4,849,195, 7-18-89, Cl. 423-331.000.
- Anton Paar KG: *See—*
  - Knapp, Gunter; and Schalk, Andreas, 4,877,999, Cl. 315-248.000.
- Anton, Patrice; and Bergaentzle, Denis, to Intissel; and Novacel. Hydroexpansible composite material, the preparation thereof and a composition for its implementation as well as the uses thereof. 4,837,077, 6-6-89, Cl. 428-240.000.
- Anton Piller GmbH & Co. KG: *See—*
  - Sachs, Klaus, 4,878,106, Cl. 357-72.000.
- Anton, Rodi, to Heidelberger Druckmaschinen AG. Method of controlling at least one electric motor on an offset printing machine. 4,810,942, 3-7-89, Cl. 318-327.000.
- Anton Security Denmark A/S: *See—*
  - Larsen, Stig K., 4,797,659, Cl. 340-572.000.
- Anton Steinecker Maschinenfabrik GmbH: *See—*
  - Tretter, Hans, 4,836,097, Cl. 99-277.100
  - Widhopf, Martin, 4,813,346, Cl. 99-278.000.
- Antonas, Adamantios; and Day, Kenneth C., to Therm-O-Disc, Incorporated. Protected solder connection and method. 4,804,805, 2-14-89, Cl. 174-52.200.
- Antonas, Adamantios, to Therm-O-Disc, Incorporated. Encapsulated thermal protector. 4,873,507, 10-10-89, Cl. 338-22.00R.
- Antonelli, Joseph A.; McLaughlin, Joseph E.; and Strolle, Clifford H., to Du Pont de Nemours, E. I., and Company. Crosslinked polymer microparticle. 4,849,480, 7-18-89, Cl. 525-303.000.
- Antonellis, Stephen M., to United Technologies Corporation. Rotor assembly for a turbomachine. 4,846,628, 7-11-89, Cl. 416-220.00R.
- Antoni, Karlheinz: *See—*
  - Felkl, Heinz W.; and Antoni, Karlheinz, 4,864,931, Cl. 101-415.100.
- Antoni, Patricia A.; Arneson, Theodore R.; Hayes, Thomas J.; Nolan, Timothy J.; and Stapleton, Marilyn, to Packaging Corporation of America. Food packaging cover. 4,863,058, 9-5-89, Cl. 220-72.000.
- Antoni, Patricia A.; Nolan, Timothy J.; Hayes, Thomas J.; Arneson, Theodore R.; and Coleman, Jerry E., to Packaging Corporation of America. Serving tray and cover therefor. 4,874,083, 10-17-89, Cl. 206-45.320.
- Antoniades, Harry N.; Lynch, Samuel E.; and Williams, Ray C., to Institute of Molecular Biology, Inc.; and President and Fellows of Harvard College. Wound healing and bone regeneration using PDGF and IGF-I. 4,861,757, 8-29-89, Cl. 514-21.000.
- Antoniades, Harry N.; and Lynch, Samuel E., to Institute of Molecular Biology, Inc.; and President and Fellows of Harvard College. Wound headling composition of TGF-alpha and PDGF. 4,874,746, 10-17-89, Cl. 514-21.000.
- Antoniazzi, Vittorio. Gold alloy. 4,820,487, 4-11-89, Cl. 420-512.000.
- Antoniello, Frank, to I.W. Industries, Inc. Sink handle valve. 4,815,703, 3-28-89, Cl. 251-251.000.
- Antoniello, Frank, to I.W. Industries, Inc. Twist drain. 4,876,749, 10-31-89, Cl. 4-295.000.
- Antonini, Gino: *See—*
  - Rosenfeld, Seymour; and Antonini, Gino, 4,810,206, Cl. 439-325.000.
- Antonini, Joseph; and Gallo, Paul, to Dana Corporation. Floating lip seal with reinforced flexible portion. 4,844,484, 7-4-89, Cl. 277-153.000.
- Antonini, Joseph; and Walinski, Edward L., to Dana Corporation. Lip seal assembly for a rotatable shaft. 4,844,485, 7-4-89, Cl. 277-153.000.
- Antonio, Anthony I., Jr.: *See—*
  - Richards, Toby D.; and Antonio, Anthony I., Jr., 4,860,797, Cl. 138-122.000.
- Antonio, Christo: *See—*
  - Prawdzik, John; Maxim, Norman F.; Lane, William C.; and Antonio, Christo, 4,816,314, Cl. 156-235.000.
- Antonio, Franklin P.: *See—*
  - Shumate, William A.; Kindred, Daniel R.; Antonio, Franklin P.; Gardner, Steven H.; Kelkar, Krishnanand; Bilotta, Thomas R.; and Rogers, Steven L., 4,879,720, Cl. 371-43.000.
- Antonio, Monique: *See—*
  - Julien, Regis; and Antonio, Monique, 4,853,516, Cl. 219-137.900.
- Antonious, Anthony J. Golf club head. 4,826,172, 5-2-89, Cl. 273-169.000.
- Antonious, Anthony J. Golf club head. 4,828,265, 5-9-89, Cl. 273-167.00E.
- Antonis, Petrus H.; Meessen, Lodewijk H. M.; and Schafer, Ralf, to U.S. Philips Corporation. High-pressure sodium vapor discharge lamp. 4,795,943, 1-3-89, Cl. 313-620.000.
- Antonov, Alexandr A.: *See—*
  - Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Skuridin, Vladimir P.; Gorshkov, Nikolai V.; Kovtun, Valery D.; Gapchenko, Leonid M.; and Vozovik, Anton V., 4,811,327, Cl. 369-111.000.
  - Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.
  - Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.
  - Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; and Shanoilo, Semen M., 4,875,204, Cl. 369-100.000.
- Antonov, Evgeny E.: *See—*
  - Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.
- Antonucci, Joseph M., to United States of America, Health and Human Services. Non-aqueous dental cements based on dimer and trimer acids. 4,832,745, 5-23-89, Cl. 106-35.000.
- Antonucci, Mark. Apparatus for retaining a writing instrument on a pair of spectacles or sunglasses. 4,852,221, 8-1-89, Cl. 24-10.00R.
- Antony, Kenneth C.; and Russo, Vincent J., to Turbine Components Corporation. Crack repair in hot section components of superalloys. 4,842,183, 6-27-89, Cl. 228-119.000.
- Antony, Paul: *See—*
  - Schneider, Wilhelm; Antony, Paul; and Rupprecht, Bernd, 4,865,161, Cl. 188-71.800.
- Antoon, Mattelin, to Siemens Aktiengesellschaft. Method of manufacturing printed circuit boards. 4,870,751, 10-3-89, Cl. 29-846.000.
- Antoon, Mitchell K., Jr., to Hercules Incorporated. Process for producing uniaxial polyolefin/filler films for controlled atmosphere packaging. 4,879,078, 11-7-89, Cl. 264-41.000.
- Antos, George J.: *See—*
  - Ellig, Daniel L.; and Antos, George J., 4,822,762, Cl. 502-66.000.
  - Ellig, Daniel L.; and Antos, George J., 4,870,223, Cl. 585-419.000.
  - Neuzil, Richard W.; and Antos, George J., 4,886,929, Cl. 585-828.000.
- Antos, John M.; and Cameron, David B., to Thetford Corporation. Vent structure for flush water holding tank of vehicle toilets. 4,805,660, 2-21-89, Cl. 137-202.000.
- Antos, Richard J.: *See—*
  - Cohen, Albert; Lipscomb, James T.; Antos, Richard J.; and Watson, Anthony E., 4,820,127, Cl. 416-221.000.
- Antosch, Jerry J.: *See—*
  - Chohan, Satish M.; and Antosch, Jerry J., 4,802,696, Cl. 285-317.000.
- Antosh, Mark J. Solar induction monorail system and method of using. 4,885,995, 12-12-89, Cl. 104-118.000.
- Antreasyan, Arsam; Garbinski, Paul A.; Mattera, Vincent D., Jr.; and Temkin, Henryk, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Group III-V compound field effect transistor with diffusion barrier. 4,873,558, 10-10-89, Cl. 357-23.200.
- Antrim, Marcus L., to General Motors Corporation. Actuator mechanism for headlamp. 4,860,175, 8-22-89, Cl. 362-65.000.
- Antrim, Richard L.: *See—*
  - Maselli, John A.; Neidleman, Saul L.; Antrim, Richard L.; and Johnson, Richard A., 4,857,339, Cl. 426-28.000.
- Antrim, Robert: *See—*
  - Whalen, Philip J.; Reidinger, Franz; and Antrim, Robert, 4,853,351, Cl. 501-103.000.
- Antunez, Bruce A. Inherently adjustable inverted cup float for a ballcock valve. 4,794,946, 1-3-89, Cl. 137-426.000.
- Antunez, Bruce A. Bi-stable, three condition flush tank system. 4,840,196, 6-20-89, Cl. 137-410.000.
- Antunez, Bruce A. Flush valve with snap-on flapper. 4,841,579, 6-27-89, Cl. 4-393.000.
- Antus, Sandor: *See—*
  - Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.
- Anutech Pty Ltd.: *See—*
  - Carden, Peter O., 4,829,768, Cl. 60-673.000.
- Anver: *See—*
  - Gras, Elie, 4,800,049, Cl. 264-26.000.
- Anver Bioscience Design, Inc.: *See—*
  - Verbiscar, Anthony J.; and Banigan, Thomas F., 4,804,741, Cl. 528-931.000.
- Anvil Cases, Inc.: *See—*
  - Thompson, Marvin W.; Scott, James A.; Jennings, Timothy C.; Neves, Joseph; Phenicie, Ronald W.; and Murphy, Margaret H., 4,813,542, Cl. 206-504.000.
  - Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.
  - Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,874,266, Cl. 403-407.100.
- Anwyll, Joseph; Edmondson, Colin G.; and Marsh, David J., to Motor Panels (Wigan) Limited. Sliding doors. 4,869,544, 9-26-89, Cl. 296-155.000.
- Anzai, Hiroshi; and Futsuki, Atsunori, to Total Human Medical Laboratory Co., Ltd. Method for generating a low frequency electric stimulus signal and low frequency electric stimulus signal generating apparatus. 4,875,484, 10-24-89, Cl. 128-421.000.
- Anzai, Hisao; Makino, Hideaki; Sasaki, Isao; Nishida, Kozi; and Morimoto, Masaru, to Mitsubishi Rayon Co., Ltd. Process for preparing methacrylimide-containing polymers. 4,816,524, 3-28-89, Cl. 525-378.000.
- Anzai, Hisao: *See—*
  - Sasaki, Isao; Nishida, Kozi; Morimoto, Masaru; Anzai, Hisao; and Makino, Hideaki, 4,804,259, Cl. 350-96.340.
- Anzai, Kazuo: *See—*
  - Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue. Hiroshi, 4,883,780, Cl. 501-96.000.
  - Sato, Hideki; Mizunoya, Nobuyuki; Asai, Hironori; Anzai, Kazuo; and Hatano, Tsuyoshi, 4,883,704, Cl. 428-209.000.
- Anzai, Kiyoshi: *See—*
  - Fukumoto, Takeshi; and Anzai, Kiyoshi, 4,805,755, Cl. 192-53.00F.
- Anzai, Masatsugu; and Imoto, Takeo, to Kabushiki Kaisha Nihon Kenko Zoshin Kenkyukai. Massage apparatus. 4,846,159, 7-11-89, Cl. 128-57.000.
- Anzai, Masayasu: *See—*
  - Hoshi, Nobuyoshi; Anzai, Masayasu; Komatsu, Isamu; and Akimaru, Susumu, 4,822,702, Cl. 430-42.000.
- Anzai, Noboru: *See—*
  - Abiko, Kenji; Watanabe, Yoshio; Anzai, Noboru; and Takahashi, Kenichi, 4,826,025, Cl. 215-32.0SM.
  - Suzuki, Issei; Kano, Takashi; Watanabe, Yoshio; and Anzai, Noboru, 4,863,049, Cl. 215-249.000.
- Anzai, Satoru; and Ohno, Koichi, to Nikon Corporation. Method and apparatus for adjusting imaging performance of projection optical apparatus. 4,871,237, 10-3-89, Cl. 350-419.000.
- Anzai, Satoru; and Tanaka, Hiroshi, to Nikon Corporation. Projection optical apparatus. 4,883,345, 11-28-89, Cl. 350-418.000.
- Anzai, Seio: *See—*
  - Kawai, Syuji; Anzai, Seio; Ishii, Toshinori; Shirano, Kenji; Shimamura, Kunihiko; Kanemitsu, Toshimasa; and Matsumura, Keiji, 4,810,542, Cl. 428-36.700.
- Anzai, Shunju: *See—*
  - Asada, Atsushi; and Anzai, Shunju, 4,803,519, Cl. 355-8.000.
  - Matsuura, Hirokazu; and Anzai, Shunju, 4,868,676, Cl. 358-296.000.
  - Migita, Haruyoshi; and Anzai, Shunju, 4,870,457, Cl. 355-208.000.
  - Yamasaki, Kimihito; and Anzai, Shunju, 4,851,925, Cl. 358-296.000.
- Anzai, Tsutomu: *See—*
  - Isobe, Akira; and Anzai, Tsutomu, 4,855,611, Cl. 307-125.000.
- Anzai, Yoshinori; Saikatsu, Takeo; Saito, Masato; and Tsuchihashi, Michihiro, to Mitsubishi Denki Kabushiki Kaisha. Near-infrared ray radiation illuminator and near-infrared ray image pick-up device. 4,837,478, 6-6-89, Cl. 313-112.000.
- Anzalone, Sergio, to Medosan Indusrie Biochemiche Riunite S.p.A. Diethylaminoethyl dextran for decreasing hyperglycemia. 4,810,696, 3-7-89, Cl. 514-59.000.
- Anze, Kimio: *See—*
  - Tajima, Shoji; Kadomatsu, Yasuo; Miyazaki, Yoshio; Sakurai, Michikazu; and Anze, Kimio, 4,860,417, Cl. 29-130.000.
- Anzeveno, Peter B.; Daniel, John K.; Creemer, Laura J.; and Liu, Paul S., to Merrell Dow Pharmaceuticals Inc. Process for hydrolyzing 2,6-dideoxy-2,6-iminoheptononitrile derivatives using trifluoroacetic acid and dinitrogen tetroxide. 4,880,917, 11-14-89, Cl. 536-17.400.
- Anzinger, Hermann: *See—*
  - Wahle, Bernd; Anzinger, Hermann; Ziche, Horst; and Schinski, Erhard, 4,880,898, Cl. 528-272.000.
- Ao, Kenichi: *See—*
  - Yoshino, Yoshimi; Arasuna, Toshikazu; Ao, Kenichi; Ariga, Katsuhiko; Matsushita, Toshikazu; and Izawa, Ichiro, 4,835,509, Cl. 338-32.00R.
- Aoai, Toshiaki, to Fuji Photo Film Co., Ltd. Photosolubilizabie composition with silyl ether or silyl ester compound. 4,816,375, 3-28-89, Cl. 430-270.000.
- Aoai, Toshiaki, to Fuji Photo Film Co., Ltd. Photosolubilizable composition. 4,820,607, 4-11-89, Cl. 430-190.000.
- Aoai, Toshiaki; Maemoto, Kazuo; Kamiya, Akihiko; and Misu, Hiroshi, to Fuji Photo Film Co., Ltd. Light-sensitive diazo photopolymerizable composition with polyurethane having carbon-carbon unsaturated and a carboxyl group. 4,877,711, 10-31-89, Cl. 430-176.000.
- Aoai, Toshiaki: *See—*
  - Matsuda, Nobuaki; Kokubo, Tadayoshi; Aoai, Toshiaki; Umehara, Akira; and Aotani, Yoshimasa, 4,842,986, Cl. 430-270.000.
- Aoba, Masaho: *See—*
  - Kuriyama, Zenkichi; Aoba, Masaho; and Takeuchi, Teruo, 4,839,875, Cl. 369-14.000.
- Aoi, Hajime: *See—*
  - Ouchi, Yasuhide; Aoi, Hajime; Nishiyama, Nobumasa; Tamura, Takashi; Saitoh, Makoto; and Tsuchiya, Reijiro, 4,823,208, Cl. 360-46.000.
  - Seo, Yosuke; Hirano, Yoshiyuki; Aoi, Hajime; Tamura, Takashi; and Nakabayashi, Kazuyoshi, 4,851,939, Cl. 360-77.020.
- Aoi, Shigeru: *See—*
  - Koyama, Osamu; Uzuki, Kazuo; Shiho, Makoto; and Aoi, Shigeru, 4,853,917, Cl. 369-44.000.
- Aoike, Nanjou: *See—*
  - Ide, Katsuyuki; Kobayashi, Hisao; and Aoike, Nanjou, 4,839,564, Cl. 315-169.400.
  - Ueda, Akihiro; Nakaya, Fuminori; Yuhara, Kouhei; and Aoike, Nanjou, 4,847,537, Cl. 315-200.00R.
- Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, to Canon Kabushiki Kaisha. Light receiving member having a multilayered light receiving layer composed of a lower layer made of aluminum-containing inorganic material and an upper layer made of non-single-crystal silicon material. 4,882,251, 11-21-89, Cl. 430-57.000.
- Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, to Canon Kabushiki Kaisha. Light receiving member having a multilayered light receiving layer composed of a lower layer made of aluminum-containing inorganic material and an upper layer made of non-single-crystal silicon material. 4,886,723, 12-12-89, Cl. 430-65.000.
- Aoike, Tatsuyuki: *See—*
  - Takei, Tetsuya; Aoike, Tatsuyuki; Kato, Minoru; and Saito, Keishi, 4,795,691, Cl. 430-67.000.
  - Takei, Tetsuya; Saito, Keishi; Aoike, Tatsuyuki; and Fujioka, Yasushi, 4,845,001, Cl. 430-66.000.
- Aoki, Akio: *See—*
  - Enari, Masahiko; Aoki, Akio; and Hosova, Hideki, 4,811,321, Cl. 369-59.000.
  - Enari, Masahiko; Matsuoka, Hiroshi; Aoki, Akio; and Minoura, Kazuo, 4,831,243, Cl. 235-436.000.
  - Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.
  - Enari, Masahiko; Aoki, Akio; Matsushita, Machiko; Matsuoka, Hiroshi; and Minoura, Kazuo, 4,888,753, Cl. 369-44.000.
  - Hosoya, Hideki; Aoki, Akio; and Enari, Masahiko, 4,853,920, Cl. 369-59.000.
  - Matsushita, Machiko; Aoki, Akio; and Minoura, Kazuo, 4,870,633, Cl. 369-47.000.
  - Shikichi, Satoshi; Aoki, Akio; and Minoura, Kazuo, 4,800,546, Cl. 369-44.000.
- Aoki, Akira; Mizushima, Yoshihiro; and Kuroyanagi, Toshiya, to Tachi-S Co., Ltd. Vehicle seat with lumbar support device. 4,832,400, 5-23-89, Cl. 297-284.000.
- Aoki, Akira; and Itoh, Kunihiko, to Tachi-S Co., Ltd. Automotive seat with heating device. 4,865,379, 9-12-89, Cl. 297-180.000.
- Aoki, Atsuhito, to Ryobi Ltd. Clutch mechanism for use in double bearing reel. 4,850,550, 7-25-89, Cl. 242-218.000.
- Aoki, Chiyoko: *See—*
  - Shibasaki, Masakatsu; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; and Hayashi, Yoshio, 4,810,805, Cl. 549-421.000.
  - Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
- Aoki Corporation: *See—*
  - Saito, Kenichiro; and Aoyama, Shigeyuki, 4,850,268, Cl. 98-33.100.
- Aoki, Dai, to Nikko Co., Ltd., a part interest. Projection toy. 4,877,240, 10-31-89, Cl. 273-1.0GA.
- Aoki, Hachiro; Kobayashi, Tadashi; Kuronuma, Junya; and Kikuchi, Hideya, to Diesel Kiki Co., Ltd. Stepless speed variator of a belt type. 4,881,926, 11-21-89, Cl. 474-25.000.
- Aoki, Harumi: *See—*
  - Kurosawa, Yuichi; Morisawa, Tahei; and Aoki, Harumi, 4,835,646, Cl. 360-109.000.
  - Tani, Nobuhiro; and Aoki, Harumi, 4,868,667, Cl. 358-228.000.
- Aoki, Haruo; and Kudo, Yoshihiko, to Kureha Kagaku Kogyo Kabushiki Kaisha. Method for treating liquid used for absorbing gaseous sulfur dioxide in the process for desulfurization of combustion exhaust gas. 4,802,966, 2-7-89, Cl. 204-182.400.
- Aoki, Hatsuo: *See—*
  - Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.
- Aoki, Hidehiko: *See—*
  - Kinoshita, Ryoji; Misawa, Keizou; Watanabe, Hideaki; Aoki, Hidehiko; Kurokawa, Toshio; and Ono, Hidefumi, 4,825,617, Cl. 52-573.000.
- Aoki, Hideki; Murata, Mitsuru; and Sakamoto, Hirotaka, to Mitsubishi Denki Kabushiki Kaisha. Blower motor control for an air conditioner. 4,879,503, 11-7-89, Cl. 318-809.000.
- Aoki, Hideki: *See—*
  - Kuboki, Yoshinori; Fujimoto, Daisaburo; Aoki, Hideki; and Fujita, Keijiro, 4,812,404, Cl. 435-175.000.
- Aoki, Hideo: *See—*
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo;

- Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
- Takada, Hiromi; Shimazaki, Toshio; Okamoto, Keiji; and Aoki, Hideo, 4,796,037, Cl. 346-160.100.

Aoki, Hidetoshi: *See—*
- Nakatomi, Yoshitsugu; Oda, Goro; and Aoki, Hidetoshi, 4,806,970, Cl. 355-3.0FU.

Aoki, Hideyuki, to Aisin-Warner Kabushiki Kaisha. Automatic transmission. 4,813,301, 3-21-89, Cl. 74-762.000.

Aoki, Hirokazu: *See—*
- Nakagawa, Norio; Takagi, Katsuaki; and Aoki, Hirokazu, 4,831,586, Cl. 365-49.000.
- Takagi, Katsuaki; Aoki, Hirokazu; Nakagawa, Norio; and Hagiwara, Yoshimune, 4,812,969, Cl. 364-200.000.

Aoki, Hiromichi, to NEC Corporation. Arithmetic unit for carrying out both multiplication and addition in an interval for the multiplication. 4,852,037, 7-25-89, Cl. 364-736.000.

Aoki, Hiroshi. Electromagnetic driving circuit. 4,825,332, 4-25-89, Cl. 361-152.000.

Aoki, Hiroshi; and Naka, Kenichi, to Panafacom Limited. Display control system with control of background luminance or color data. 4,827,251, 5-2-89, Cl. 340-729.000

Aoki, Hiroshi, to Seikosha Co., Ltd. Electromagnetic drive circuit. 4,866,564, 9-12-89, Cl. 361-203.000.

Aoki, Hiroshi, to Seikosha Co., Ltd. Electromagnetic drive circuit. 4,868,709, 9-19-89, Cl. 361-203.000.

Aoki, Hiroshi: *See—*
- Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,837,564, Cl. 340-750.000.
- Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,849,747, Cl. 340-735.000.

Aoki, Hiroyuki; Yahagi, Shinichiro; and Saito, Takanobu, to Nissan Motor Company Ltd.; and Daido Tokushuko Kabushiki Kaisha. Torque detecting device. 4,840,073, 6-20-89, Cl. 73-862.360.

Aoki, Hiroyuki: *See—*
- Edo, Shouichi; and Aoki, Hiroyuki, 4,823,620, Cl. 73-862.360.
- Todoroki, Masaki; Watanabe, Masaji; and Aoki, Hiroyuki, 4,833,926, Cl. 73-862.040.

Aoki, Hisashi: *See—*
- Fujimura, Koh; Higa, Masakatsu; and Aoki, Hisashi, 4,836,654, Cl. 350-346.000.
- Hara, Yasuaki; Aoki, Hisashi; and Momii, Kazuma, 4,870,149, Cl. 528-15.000.
- Yoshida, Susumu; Takahashi, Hiroshi; Aoki, Hisashi; Kondow, Kiyohiro; and Mayuzumi, Tetsuya, 4,826,752, Cl. 430-155.000.

Aoki, Isao; Kuragano, Takashi; Okajima, Nobuyuki; and Okada, Yoshiyuki, to Takeda Chemical Industries, Ltd. Herbicidal pyrazole sulfonyl imino-2H-1,2,4-thiadiazolo[2,3-a]pyrimidines. 4,872,901, 10-10-89, Cl. 71-90.000.

Aoki, Kanemasa, to Canon Kabushiki Kaisha; and Canon Seiki Kabushiki Kaisha. Motor. 4,883,996, 11-28-89, Cl. 310-154.000.

Aoki, Kanemasa, to Canon Kabushiki Kaisha; and Canon Seiki Kabushiki Kaisha. Motor. 4,888,511, 12-19-89, Cl. 310-237.000.

Aoki, Katashi. Process for molding double-layered preforms in an injection, stretching and blow molding machine. 4,830,811, 5-16-89, Cl. 264-513.000.

Aoki, Katashi. Material injecting method and material measuring apparatus in injection molding machine. 4,836,962, 6-6-89, Cl. 264-40.500.

Aoki, Katashi. Clamping device for a blow mold. 4,859,170, 8-22-89, Cl. 425-450.100.

Aoki, Katsumichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; and Yamazaki, Shiro, to Kureha Kagaku Kogyo Kabushiki Kaisha. Herbicidal composition containing a derivative of 1,2,4-triazole as an active ingredient. 4,795,484, 1-3-89, Cl. 71-92.000.

Aoki, Katsunori: *See—*
- Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,804,922, Cl. 324-457.000.
- Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,879,509, Cl. 324-108.000.

Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, to Mitsubishi Denki Kabushiki Kaisha. Air flow control device. 4,807,444, 2-28-89, Cl. 62-179.000.

Aoki, Katsuyuki: *See—*
- Matsuda, Kenji; Sugawara, Sakuo; Hara, Masanori; Umemura, Hiroyuki; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,858,824, Cl. 236-94.000.
- Matsuda, Kenji; Togashi, Kenji; Umemura, Hiroyuki; Okada, Tetsuji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,877,183, Cl. 236-49.300.
- Okada, Tetsuji; Umemura, Hiroyuki; Matsuda, Kenji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,850,203, Cl. 62-209.000.

Aoki, Kazuhiro: *See—*
- Sakurai, Masaru; Matsue, Hiroshi; and Aoki, Kazuhiro, 4,796,032, Cl. 342-359.000.

Aoki, Kazuhito: *See—*
- Yamakawa, Kazuo; and Aoki, Kazuhito, 4,830,478, Cl. 350-432.000.

Aoki, Kazumasa: *See—*
- Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,818,921, Cl. 318-269.000.
- Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,831,405, Cl. 354-409.000.

Aoki, Kazumi; Kikuchi, Yukio; and Fukui, Tsuyoshi, to Sanden Corporation. Automatic vending machine. 4,815,302, 3-28-89, Cl. 62-378.000.

Aoki, Kazuo; and Tachibana, Sadao, to Oki Electric Industry Co., Ltd. Luminous element holding structure for an illuminated key switch. 4,874,913, 10-17-89, Cl. 200-314.000.

Aoki, Kazuo: *See—*
- Amino, Fumihiro; Tozuka, Zenzou; Tachibana, Sadao; and Aoki, Kazuo, 4,851,618, Cl. 200-5.00A.

Aoki, Kei: *See—*
- Kanda, Kazunori; Urano, Satoshi; Aoki, Kei; and Muramoto, Hisaichi, 4,820,777, Cl. 525-291.000.

Aoki, Ken: Hoshi, Katsuhiko; Satoh, Shigeo; Kakinuma, Mitsuru; Togashi, Shigeru; and Saitoh, Hiromi, to Sanyo Electric Co., Ltd. Apparatus for preparing ice creams. 4,860,550, 8-29-89, Cl. 62-135.000.

Aoki, Kenji; Nagata, Mitsuo; Nakamura, Haruo; and Miura, Teiji, to Seiko Epson Corporation. Liquid crystal cell with opaque mask for printing device. 4,810,062, 3-7-89, Cl. 350-339.00F.

Aoki, Kenji; and Shimbo, Masafumi, to Seiko Instruments, Inc. Method of fabricating MOS field effect transistor. 4,838,993, 6-13-89, Cl. 156-643.000.

Aoki, Kenji: *See—*
- Nishizawa, Junichi; and Aoki, Kenji, 4,834,831, Cl. 156-611.000.
- Shiraishi, Yoshiaki; and Aoki, Kenji, 4,859,034, Cl. 350-331.00R.

Aoki, Kohji; and Tomio, Yasuda, to Aisin Seiki Kabushiki Kaisha. Lock assembly for onboard opening cover. 4,805,723, 2-21-89, Cl. 180-289.000.

Aoki, Kohji; Yasuda, Tomio; Masanori, Sugiyama; and Osamu Komazawa, to Aisin Seiki Kabushiki Kaisha. Apparatus for detecting the wearing of a seat belt assembly. 4,885,566, 12-5-89, Cl. 340-457.100.

Aoki, Kohji: *See—*
- Kawai, Taneichi; Yasuda, Tomio; and Aoki, Kohji, 4,876,649, Cl. 364-424.050.
- Yasuda, Tomio; and Aoki, Kohji, 4,852,934, Cl. 296-65.100.
- Yasuda, Tomio; Aoki, Kohji; and Mori, Kazuo, 4,881,456, Cl. 98-2.010.

Aoki, Kongo: *See—*
- Kano, Junichi; and Aoki, Kongo, 4,858,716, Cl. 180-233.000.

Aoki, Kongoh; and Kano, Junichi, to Aisin Seiki Kabushiki Kaisha. Rotary torque transmission apparatus for four-wheel drive vehicle. 4,805,472, 2-21-89, Cl. 74-335.000.

Aoki, Kongoh: *See—*
- Kano, Junichi; and Aoki, Kongoh, 4,862,989, Cl. 180-247.000.

Aoki, Kouzi: *See—*
- Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.

Aoki, Kozo: *See—*
- Hirose, Takeshi; Furutachi, Nobuo; Aoki, Kozo; Nakazyo, Kiyoshi; and Furusawa, Genichi, 4,840,878, Cl. 430-380.000.

Aoki, Makoto: *See—*
- Homma, Kazuya; Nogi, Hiroshi; Yamada, Koichi; Kitazawa, Masahiro; Uzawa, Masamitsu; and Aoki, Makoto, 4,878,754, Cl. 356-376.000.
- Ichikawa, Kyoko; Aoki, Makoto; and Takiguchi, Hideo, 4,855,751, Cl. 346-1.100.
- Watanabe, Yoshitaka; Sakurada, Nobuaki; Aoki, Makoto; and Sato, Eiichi, 4,860,034, Cl. 346-140.00R.

Aoki, Masaaki; Yano, Kazuo; and Masuhara, Toshiaki, to Hitachi, Ltd. Semiconductor device. 4,864,382, 9-5-89, Cl. 357-64.000.

Aoki, Masaaki; Tani, Mayumi; Kamiyama, Masayuki; and Asai, Kiyosugu, to Mitsui Toatsu Chemicals, Incorporated. β-amino-β-propiolactam derivative and moisture curable polyurethane composition thereof. 4,880,869, 11-14-89, Cl. 524-773.000.

Aoki, Masaaki: *See—*
- Nishino, Toshikazu; Miyake, Mutsuko; Kawabe, Ushio; Harada, Yutaka; Aoki, Masaaki; and Hirano, Mikio, 4,884,111, Cl. 357-05.000.

Aoki, Masahiko; Konishi, Masashi; Matsuda, Yasuhiro; and Okazaki, Naoto, to Nissin Electric Company, Limited. Surface analyzer. 4,829,179, 5-9-89, Cl. 250-309.000.

Aoki, Masahiko, to Nissin Electric Co., Ltd. Surface analyzer for determining the energy distribution of scattered proton beam. 4,866,272, 9-12-89, Cl. 250-309.000.

Aoki, Masahiro: *See—*
- Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ueshimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eiichi; Harasda, Masakatsu; Aoki, Masahiro; and Kimura, Toru, 4,869,754, Cl. 106-404.000.
- Yokose, Kazuteru; Shimma, Nobuo; Kamata, Miyako; Aoki, Masahiro; and Ohtsuka, Tatsuo, 4,801,584, Cl. 514-183.000.
- Yokose, Kazuteru; Shimma, Nobuo; Kamata, Mikayo; Aoki, Masahiro; and Ohtsuka, Tatsuo, 4,864,023, Cl. 544-66.000.

Aoki, Masakazu; and Suzuki, Akira, to Hitachi, Ltd. Multi-stage compressor capacity control apparatus. 4,815,950, 3-28-89, Cl. 417-253.000.

Aoki, Masakazu, to Kao Corporation. Detergent dispenser pouch made of cold water-soluble PVA containing acetalized units. 4,844,828, 7-4-89, Cl. 252-90.000.

Aoki, Masaki; Sakai, Masayuki; Torii, Hideo; Okinaka, Hideyuki; and Hirota, Hozumi, to Matsushita Electric Industrial Co., Ltd. All magnetic recording head. 4,811,148, 3-7-89, Cl. 360-125.000.

Aoki, Masaki: *See—*
- Kuribayashi, Kiyoshi; Umetani, Makoto; Monji, Hideto; and Aoki, Masaki, 4,842,633, Cl. 65-44.000.
- Torii, Hideo; Aoki, Masaki; Komoda, Hideaki; Aoki, Nobuyuki; Ota, Ikuo; and Ochiai, Keiichi, 4,886,714, Cl. 428-694.000.

Aoki, Masaru: *See—*
- Maejima, Taro; Yada, Toshio; Tsutsumi, Michinari; Tabuchi, Tsuyoshi; Terazono, Takeshi; and Aoki, Masaru, 4,875,434, Cl. 118-52.000.

Aoki, Minoru: *See—*
- Terada, Takashi; Aoki, Minoru; Ohtaki, Hiroshi; Morozumi, Manami; and Shiozaki, Mitsuharu, 4,812,560, Cl. 536-29.000.

Aoki, Naozumi: *See—*
- Azuma, Isao; Ishida, Miyuki; and Aoki, Naozumi, 4,853,929, Cl. 371-25.000.

Aoki, Noboru: *See—*
- Matsumura, Shuzo; Mizuno, Takanori; Aoki, Noboru; and Suzuki, Takahire, 4,873,466, Cl. 313-131.00R.

Aoki, Nobuo: *See—*
- Tsuchiya, Shozo; Aoki, Nobuo; and Suzuki, Shinichiro, 4,889,791, Cl. 430-270.000.

Aoki, Nobuyuki: *See—*
- Torii, Hideo; Aoki, Masaki; Komoda, Hideaki; Aoki, Nobuyuki; Ota, Ikuo; and Ochiai, Keiichi, 4,886,714, Cl. 428-694.000.

Aoki, Norihiko, to Olympus Optical Co., Ltd. Compact zoom lens system. 4,830,476, 5-16-89, Cl. 350-427.000.

Aoki, Norihiko; and Kikuchi, Juro, to Olympus Optical Co., Ltd. Zoom lens system. 4,883,346, 11-28-89, Cl. 350-423.000.

Aoki, Riichirou: *See—*
- Egawa, Hidemitsu; Aoki, Riichirou; and Okumura, Katsuya, 4,875,088, Cl. 357-67.000.

Aoki, Satoshi; and Murata, Atsushi, to Hitachi, Ltd. Semiconductor laser module of dual in-line package type including coaxial high frequency connector. 4,834,491, 5-30-89, Cl. 350-96.200.

Aoki, Satoshi: *See—*
- Imoto, Katsuyuki; Takase, Akihiko; Takai, Atsushi; Aoki, Satoshi; Yoshiya, Tsutomu; and Yamada, Shoji, 4,880,289, Cl. 350-96.180.

Aoki, Shigeki: *See—*
- Matsuura, Sadaji; Arai, Yasuo; Aoki, Shigeki; and Ando, Satoru, 4,812,169, Cl. 106-15.050.

Aoki, Shigemasa: *See—*
- Nomura, Yoshiharu; Aoki, Shigemasa; and Nishimura, Akira, 4,800,196, Cl. 514-159.000.

Aoki, Shigemitsu: *See—*
- Negishi, Hidetaka; and Aoki, Shigemitsu, 4,885,574, Cl. 340-711.000.

Aoki, Shigeo; and Ukai, Yasuhiro, to Hosiden Electronics Co., Ltd. Thin-film transistor and method of fabricating the same. 4,864,376, 9-5-89, Cl. 357-23.710.

Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, to Hosiden Electronics Co., Ltd. Color liquid crystal display device. 4,867,537, 9-19-89, Cl. 350-339.00F.

Aoki, Shigeo; Ukai, Yasuhiro; and Matsushita, Yasuhiro, to Hosiden Electronics Co., Ltd. Liquid-crystal display device employing a common electrode consisting of interconnected common electrode sections. 4,869,576, 9-26-89, Cl. 350-336.000.

Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, to Hosiden Electronics Co., Ltd. Color liquid crystal display device. 4,881,797, 11-21-89, Cl. 350-339.00F.

Aoki, Shigeo: *See—*
- Ukai, Yasuhiro; and Aoki, Shigeo, 4,849,797, Cl. 357-237.000.

Aoki, Shigeru, to Rheon Automatic Machinery Co., Ltd. Method and apparatus for supplying a uniform amount of a loose food material. 4,828,863, 5-9-89, Cl. 426-512.000.

Aoki, Shigeru, to Rheon Automatic Machinery Co., Ltd. Apparatus for quantitatively providing food material. 4,832,961, 5-23-89, Cl. 425-239.000.

Aoki, Shigeru: *See—*
- Inuzuka, Toshio; Hasegawa, Tsutomu; Tomikawa, Minato; and Aoki, Shigeru, 4,889,766, Cl. 428-324.000.

Aoki, Shin-ichi, to Mitsubishi Denki Kabushiki Kaisha. Electrode structure for vacuum circuit breaker. 4,806,714, 2-21-89, Cl. 200-144.00B.

Aoki, Shin-ichiro: *See—*
- Nishimura, Shigeru; Kuroda, Toshihisa; and Aoki, Shin-ichiro, 4,805,018, Cl. 358-105.000.

Aoki, Shinichiro: *See—*
- Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, 4,870,289, Cl. 250-548.000.

Aoki, Shinji: *See—*
- Maezawa, Akihiko; Nakajima, Yoshio; Kaneko, Mitsuyoshi; and Aoki, Shinji, 4,882,020, Cl. 204-157.300.

Aoki, Shin'ya: *See—*
- Sugimoto, Mamoru; Kohno, Osamu; Ikeno, Yoshimitsu; Sadakata, Nobuyuki; Aoki, Shin'ya; and Nakagawa, Mikio, 4,885,273, Cl. 505-1.000.

Aoki, Takaaki; Nojima, Katsuyuki; and Seki, Yoji, to International Business Machines Corporation. Display apparatus. 4,868,554, 9-19-89, Cl. 340-735.000.

Aoki, Takahiro; and Tejima, Shunichiro, to NEC Corporation. Synchronization control capable of establishing synchronization without transmission of distance information between control and local earth stations. 4,800,560, 1-24-89, Cl. 370-104.000.

Aoki, Takamitsu: *See—*
- Fukuda, Tokuya; and Aoki, Takamitsu, 4,851,930, Cl. 360-10.100.

Aoki, Takao; and Kawabe, Norio, to Toray Industries, Inc. Process for preparing a thin film. 4,814,132, 3-21-89, Cl. 264-165.000.

Aoki, Takashi: *See—*
- Nishikawa, Masao; Aoki, Takashi; Sato, Yoichi; and Fukuda, Yukihiro, 4,856,382, Cl. 74-867.000.
- Sekine, Noboru; Aoki, Takashi; and Terayama, Satoshi, 4,872,540, Cl. 192-0.076.

Aoki, Takatoshi: *See—*
- Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,873,949, Cl. 123-90.120.
- Kawamoto, Michio; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,862,843, Cl. 123-90.110.
- Yagi, Toru; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,889,085, Cl. 123-90.120.

Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, to Kanebo, Ltd.; and Hisaka Works, Ltd. Process and apparatus for automatically weighing and introducing chemicals. 4,830,125, 5-16-89, Cl. 177-1.000.

Aoki, Takayoshi; Takeda, Masayuki; Nagatsuka, Ikutaroh; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, to Hitachi, Ltd. Process for producing carriers for developer. 4,861,694, 8-29-89, Cl. 430-137.000.

Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, to Fuji Xerox Co., Ltd.; and Nippon Iron Powder Co., Ltd. Carrier for electrophotographic developer. 4,871,639, 10-3-89, Cl. 430-108.000.

Aoki, Takayoshi: *See—*
- Matsumura, Yasuo; Aoki, Takayoshi; Takeda, Masayuki; Suzuki, Chiaki; and Nagatsuka, Ikutaroh, 4,859,558, Cl. 430-110.000.
- Nagatsuka, Ikutaroh; Matsumura, Yasuo; Takeda, Masayuki; Suzuki, Chiaki; and Aoki, Takayoshi, 4,868,083, Cl. 430-108.000.

Aoki, Tatsu: *See—*
- Iwamoto, Taro; Aoki, Tatsu; Nakajima, Kichio; and Yamamoto, Hiroshi, 4,853,874, Cl. 364-513.000.

Aoki, Testsuo: *See—*
- Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.

Aoki, Tetuya: *See—*
- Suzuki, Nobuhiko; and Aoki, Tetuya, 4,875,832, Cl. 417-222.000.

Aoki, Thomas T. System and method for treating animal body tissues to improve the dietary fuel processing capabilities thereof. 4,826,810, 5-2-89, Cl. 514-3.000.

Aoki, Tokuei; Kudo, Junichiro; and Kohno, Katsumi, to Sony Corporation. Optical information record medium. 4,798,767, 1-17-89, Cl. 428-412.000.

Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, Katsushi; Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, Yoshikuni; Kasamura, Toshirou; and Honma, Toshio, to Canon Kabushiki Kaisha. Double-side image forming apparatus. 4,845,528, 7-4-89, Cl. 355-210.000.

Aoki, Tomohiro: *See—*
- Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; Matsuzawa, Kunihiko; and Kanekura, Kazunori, 4,873,541, Cl. 346-160.100.
- Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,887,101, Cl. 346-134.000.
- Murayama, Yasushi; Kanekura, Kazunori; Aoki, Tomohiro; Chiku, Kazuyoshi; Hirose, Yoshihiko; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,847,642, Cl. 346-157.000.

Aoki, Toshihiko: *See—*
- Asano, Kazunori; and Aoki, Toshihiko, 4,834,573, Cl. 403-344.000.

Aoki, Toshihisa; and Watanabe, Sotoji, to Hewlett-Packard Company. Text formatting apparatus. 4,860,378, 8-22-89, Cl. 382-61.000.

Aoki, Toshikazu: *See—*
- Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,823,834, Cl. 137-596.140.
- Ariizumi, Ryozo; Kainuma, Masakuni; Aoki, Toshikazu; Suda, Shoji; Hoshi, Mitsunori; and Ejiri, Takashi, 4,840,347, Cl. 251-63.400.
- Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,875,500, Cl. 137-596.180.

Aoki, Tosio: *See—*
- Kondo, Katsumi; Tsuchiya, Yasuhiro; Yamazawa, Yasushi; Terada, Masaki; Aoki, Tosio; Niimi, Takatsune; Yamamoto, Takashi; and Matsuba, Kunihiro, 4,849,037, Cl. 156-166.000.

Aoki, Tsuyoshi: *See—*
- Ono, Michio; Kubota, Akihiro; Aoki, Tsuyoshi; Inoue, Osamu; and Sugiura, Rikio, 4,801,997, Cl. 357-70.000.

Aoki, Tuyoshi: *See—*
- Ishiguro, Toshio; Mizota, Hideaki; and Aoki, Tuyoshi, 4,863,337, Cl. 414-699.000.
- Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.

Aoki, Yasuhiro, to NEC Corporation. Optical amplifying repeater. 4,886,334, 12-12-89, Cl. 350-96.150.

Aoki, Yasuhiro: *See—*
- Shimoishi, Tetsuo; Aoki, Yasuhiro; and Otsuka, Katsumi, 4,795,286, Cl. 401-209.000.

Aoki, Yasushi, to NEC Corporation. Fault detecting system for ADPCM codec. 4,839,897, 6-13-89, Cl. 371-68.000.

Aoki, Yasushi: *See—*
- Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.

Aoki, Yasutoshi: *See—*
- Kumagai, Yuzo; and Aoki, Yasutoshi, 4,846,907, Cl. 156-130.000.

Aoki, Yoshiaki: *See—*
- Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Aoki, Yoshihiro: *See—*
- Watanabe, Kayo; Saito, Akira; and Aoki, Yoshihiro, 4,850,138, Cl. 49-84.000.

Aoki, Yoshihito, to Yazaki Corporation. Navigation system using angular rate sensor. 4,882,689, 11-21-89, Cl. 364-449.000.

Aoki, Yoshihito: *See—*
- Takashima, Makoto; Aoki, Yoshihito; and Oikawa, Takahiro, 4,879,658, Cl. 364-449.000.

Aoki, Yoshimitsu: *See—*
- Yamamoto, Susumu; and Aoki, Yoshimitsu, 4,837,416, Cl. 219-69.120.

Aoki, Yuji; and Miyazaki, Hiroaki, to Mitsubishi Monsanto Chemical Co., Ltd. Heat and impact resistant resin composition. 4,879,343, 11-7-89, Cl. 525-71.000.

Aoki, Yuji: *See—*
- Horiuchi, Hidenaga; Suzuki, Hisao; Aoki, Yuji; and Miura, Norio, 4,816,350, Cl. 428-690.000.

Aoki, Yukio: *See—*
- Kawajiri, Tatsuya; Onodera, Hideo; Uchida, Shinichi; Aoki, Yukio; and Wada, Masahiro, 4,873,217, Cl. 502-311.000.

Aomi, Hideki: *See—*
- Okamura, Kazuo; Kitamura, Ikuo; Aomi, Hideki; Koyama, Satoshi; Tokunaga, Katsushi; Shibuya, Yoshiyuki; and Daimon, Shiego, 4,842,759, Cl. 252-62.510.

Aono, Akira; and Isobe, Mitsuo, to Kabushiki Kaisha Toshiba. Output buffer control circuit of memory device. 4,858,197, 8-15-89, Cl. 365-233.500.

Aono, Koichi: *See—*
- Ouchi, Mitsuyuki; and Aono, Koichi, 4,872,373, Cl. 74-711.000.

Aono, Koichiro; and Sakaki, Hirokazu, to Fuji Photo Film Co., Ltd. Process for preparing positive-acting photosensitive lithographic aluminum printing plate precursor using nitric acid electrokyte for graining. 4,824,757, 4-25-89, Cl. 430-169.000.

Aono, Kouichi: *See—*
- Ouchi, Mitsuyuki; and Aono, Kouichi, 4,841,808, Cl. 74-710.500.

Aono, Kouji: *See—*
- Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.

Aono, Kunitoshi: *See—*
- Mori, Toshiki; Yamada, Haruyasu; Aono, Kunitoshi; and Maruyama, Masakatsu, 4,845,767, Cl. 382-41.000.

Aono, Takeki: *See—*
- Takata, Shigeru; Aono, Takeki; and Fujieda, Gentaro, 4,871,610, Cl. 428-246.000.

Aono, Tetsuya: *See—*
- Inoue, Keizo; Nomura, Hiroaki; and Aono, Tetsuya, 4,845,219, Cl. 544-107.000.
- Yamagata, Tadato; Miyamoto, Hiroshi; Yamada, Michihiro; Mori, Shigeru; and Aono, Tetsuya, 4,870,620, Cl. 365-222.000.

Aono, Toshiaki; and Nakamura, Koichi, to Fuji Photo Film Co., Ltd. Process for forming color images. 4,818,662, 4-4-89, Cl. 430-348.000.

Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, to Fuji Photo Film Co., Ltd. Photographic element with benzoguanamine-formaldehyde polymer particles. 4,857,443, 8-15-89, Cl. 430-496.000.

Aono, Toshiaki; and Hara, Hiroshi, to Fuji Photo Film Co., Ltd. Heat developable photosensitive material. 4,859,580, 8-22-89, Cl. 430-617.000.

Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, to Fuji Photo Film Co., Ltd. Photographic element with back layer containing matting agents. 4,868,088, 9-19-89, Cl. 430-203.000.

Aono, Toshiaki: *See—*
- Matsui, Masataka; Aono, Toshiaki; Tanimoto, Yoshio; Nakahama, Tadamitsu; and Yamane, Takakazu, 4,874,639, Cl. 427-240.000.
- Ogiso, Takasi; Monma, Yoshiyuki; and Aono, Toshiaki, 4,857,961, Cl. 355-27.000.

Aono, Yasuhiro, to Nikon Corporation. Zoom lens. 4,874,231, 10-17-89, Cl. 350-427.000.

Aono, Yoshihito: *See—*
- Sakane, Toshiaki; Takenaka, Sadao; Minowa, Morihiko; Aono, Yoshihito; and Daidoh, Yoshimasa, 4,809,298, Cl. 375-17.000.
- Takenaka, Sadao; Aono, Yoshihito; Iwamatsu, Takanori; Minowa, Morihiko; Daido, Yoshimasa; and Nakamura, Hiroshi, 4,860,316, Cl. 375-39.000.

Aonuma, Masashi; Suzuki, Masaaki; and Tamai, Yasuo, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,847,147, 7-11-89, Cl. 428-329.000.

Aonuma, Masashi: *See—*
- Okita, Tsutomu; Aonuma, Masashi; and Hashimoto, Hiroshi, 4,812,351, Cl. 428-141.000.

Aonuma, Mitsuyoshi; and Nishimura, Koichi, to Nippon Zeon Co., Ltd. High strength-high modulus rubber composition comprising a mixture of rubbery copolymers of an acenaphthalene copolymer and another rubber. 4,816,519, 3-28-89, Cl. 525-216.000.

Aonuma, Mitsuyoshi; and Sugi, Nagatoshi, to Nippon Zeon Co., Ltd. Rubber composition. 4,885,341, 12-5-89, Cl. 525-187.000.

Aonuma, Shigeo: *See—*
- Murofushi, Toshiaki; Nakazawa, Hiroshi; Oyamada, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; and Ohya, Yasuhiro, 4,880,719, Cl. 430-106.600.
- Tanaka, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; Murofushi, Toshiaki; and Kimura, Takaaki, 4,797,340, Cl. 430-109.000.

Aosaki, Ko: *See—*
- Nakagawa, Tadashi; Nemoto, Ichiro; Aosaki, Ko; and Misawa, Atsushi, 4,814,807, Cl. 354-246.000.
- Nemoto, Ichiro; Aosaki, Ko; Misawa, Atsushi; and Otomo, Takahito, 4,797,699, Cl. 354-246.000.
- Nemoto, Ichiro; Aosaki, Ko; Misawa, Atsushi; and Otomo, Takahito, 4,819,017, Cl. 354-288.000.

Aoshima, Atsushi: *See—*
- Suzuki, Yoshio; Nakamura, Mikihiko; and Aoshima, Atsushi, 4,820,796, Cl. 528-292.000.

Aoshima, Shigeru; Kamiunten, Shoji; and Maeda, Shosaku, to Yamatake-Honeywell Co., Ltd. Fluid flow speed measuring apparatus. 4,825,704, 5-2-89, Cl. 73-861.420.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Apparatus for optically analyzing an object using four-wave mixing technique. 4,796,992, 1-10-89, Cl. 356-347.000.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Voltage detector utilizing an optical probe of electro-optic material. 4,841,234, 6-20-89, Cl. 324-96.000.

Aoshima, Shinichiro; Tsuchiya, Yutaka; and Nakamura, Takuya, to Hamamatsu Photonics Kabushiki Kaisha. Voltage detector using electro-optic material and interference of light beams. 4,864,22 9-5-89, Cl. 324-96.000.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Voltage detector employing electro-optic material having a corner-cube shape. 4,864,222, 9-5-89, Cl. 324-96.000.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Highly repetitively pulsed laser device. 4,864,57 9-5-89, Cl. 372-18.000.

Aoshima, Shinichiro; Tsuchiya, Yutaka; and Takahashi, Hironori, to Hamamatsu Photonics Kabushiki Kaisha. Voltage detector having compensation for polarization change caused by spontaneous birefringence. 4,866,372, 9-12-89, Cl. 324-96.000.

Aoshima, Shinichiro; Nakamura, Takuya; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Pulsed laser stabilizing device. 4,866,721, 9-12-89, Cl. 372-30.000.

Aoshima, Shinichiro: *See—*
- Nakamura, Takuya; Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,855,591, Cl. 250-225.000.
- Takahashi, Hironori; Tsuchiya, Yutaka; and Aoshima, Shinichiro, 4,887,026, Cl. 324-96.000.

Aoshima, Shinzi; and Narusawa, Sadayuki, to Yamaha Corporation. Disc motor control circuit for controlling the rotation of a disc in a disc playing device. 4,815,063, 3-21-89, Cl. 369-50.000.

Aoshiro, Hisatake, to Kabushiki Kaisha Machida Seisakusho. One tubular envelope for inserting apparatus. 4,860,631, 8-29-89, Cl. 87-9.000.

Aota, Yoetsu: *See—*
- Umetsu, Toshimasa; and Aota, Yoetsu, 4,866,576, Cl. 361-429.000.

Aotani, Yoshimasa: *See—*
- Kawamma, Kouichi; Abe, Yukio; Higashi, Tatsuji; and Aotani, Yoshimasa, 4,837,128, Cl. 430-281.000.
- Maemoto, Kazuo; Iwasaki, Masayuki; Maeda, Minoru; and Aotani, Yoshimasa, 4,876,173, Cl. 430-271.000.
- Matsuda, Nobuaki; Kokubo, Tadayoshi; Aoai, Toshiaki; Umehara, Akira; and Aotani, Yoshimasa, 4,842,986, Cl. 430-270.000.

Aoto, Yoshiyuki: *See—*
- Yasuoka, Norio; Kobayashi, Takehiro; Hikida, Nobuhiro; Hatakeyama, Yasuyuki; Aoto, Yoshiyuki; and Itogawa, Ju 4,885,766, Cl. 379-105.000.

Aotsu, Hiroaki; Ogura, Toshihiko; Kimura, Koichi; Kuwabara, Takashi; and Makaya, Yuuichi, to Hitachi, Ltd. Draw processing method and apparatus. 4,849,907, 7-18-89, Cl. 364-518.000.

Aotsu, Hiroaki: *See—*
- Kimura, Koichi; Ogura, Toshihiko; Aotsu, Hiroaki; Ikegami, Mitsuru; and Kawabara, Tadashi, 4,868,781, Cl. 364-900.000.

Aotsuka, Yasuo; Kato, Masatoshi; and Yoneyama, Masakazu, to Fuji Photo Film Co., Ltd. Heat development dye image forming method with surface active agents. 4,868,097, 9-19-89, Cl. 430-351.000.

Aoyagi, Hidenori: *See—*
- Takano, Hiroshi; Murakami, Tokumichi; Kamisawa, Koh; and Aoyagi, Hidenori, 4,860,283, Cl. 370-82.000.

Aoyagi, Juuro; Yamamoto, Yuichi; Akaike, Toshihiro; and No Yasuhiro, to Terumo Kabushiki Kaisha. Separation method, separation device and separation apparatus for separating body fluid into respective components. 4,836,928, 6-6-89, Cl. 210-635.000.

Aoyagi, Masao; Suzuki, Ryuji; Kamata, Shigeru; and Yasuda, Koichi, to Canon Kabushiki Kaisha. Lens mounting. 4,865,432, 9-12-89, Cl. 350-429.000.

Aoyagi, Masao: *See—*
- Matsuda, Mutsuhide; Aoyagi, Masao; Furukawa, Hiroshi; and Shimizu, Masami, 4,853,725, Cl. 354-286.000.

Aoyagi, Minoru, to Amada Company, Limited. Two-way band saw machine. 4,854,208, 8-8-89, Cl. 83-862.000.

Aoyagi, Mutsuo: *See—*
- Gotoh, Tetsuya; Kondoh, Tosiyuki; and Aoyagi, Mutsuo, 4,816,386, Cl. 430-495.000.

Aoyagi, Osamu: *See—*
- Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.

Aoyagi, Shouzou: *See—*
- Naoki, Makoto; and Aoyagi, Shouzou, 4,820,550, Cl. 427-150.000.

Aoyagi, Takaaki: *See—*
- Umezawa, Hamao; Aoyagi, Takaaki; Takeuchi, Tomio; Hamada, Masa; and Ishizuka, Masaaki, 4,859,593, Cl. 435-128.000.
- Umezawa, Hamao, deceased; Aoyagi, Takaaki; Tatsuta, Kuniaki; Nakamura, Takeshi; and Fukatsu, Shunzo, 4,870,207, Cl. 562-439.000.

Aoyagi, Takashi: *See—*
- Makino, Yuji; Suzuki, Yoshiki; and Aoyagi, Takashi, 4,871,723, Cl. 514-167.000.

Aoyagi, Takuo; Kobayashi, Nobutaka; and Sasaki, Tadashi, to Nihon Kohden Corporation. Apparatus for determining the concentration of a light-absorbing material in blood. 4,832,484, 5-23-89, Cl. 356-41.000.

Aoyagi, Tetsuji, to Nakamichi Corporation. Apparatus and a method of deflecting laser convergent light. 4,863,228, 9-5-89, Cl. 350-6.900.

Aoyagi, Toshiharu: *See—*
- Misono, Shigemi; Ueda, Makoto; Shikino, Kazuto; Torii, Tomoyuki; Ishiyama, Keiichi; and Aoyagi, Toshiharu, 4,796,036, Cl. 346-108.000.

Aoyagi, Toshitaka: *See—*
- Seiwa, Yoshito; and Aoyagi, Toshitaka, 4,868,837, Cl. 372-46.000.

Aoyagi, Yoshio; Ishii, Tsuneo; Kakiuchi, Shizuo; and Arifuku, Naoto, to Pioneer Electronic Corporation. Disk player information selecting apparatus. 4,805,050, 2-14-89, Cl. 360-72.200.

Aoyagi, Yoshio; Kimura, Toshiyuki; and Saito, Yoshinori, to Pioneer Electronic Corporation. Limited duration focusing in a vehicular disk player. 4,829,498, 5-9-89, Cl. 369-45.000.

Aoyagi, Yoshio, to Pioneer Electronic Corporation. Pickup position control method enabling restart of reproduction after interruption. 4,841,505, 6-20-89, Cl. 369-32.000.

Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, to Pioneer Electronic Corporation. Automatic loading disc player. 4,879,705, 11-7-89, Cl. 369-32.000.

Aoyagi, Yoshio: *See—*
- Kimura, Toshiyuki; Aoyagi, Yoshio; and Endo, Fumio, 4,855,979, Cl. 369-33.000.
- Kimura, Toshiyuki; Aoyagi, Yoshio; and Endo, Fumio, 4,882,719, Cl. 369-32.000.
- Kiyoura, Kazuhiro; Endo, Fumio; Kimura, Toshiyuki; Aoyagi, Yoshio; and Nakamura, Kazunari, 4,841,506, Cl. 369-32.000.
- Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.

Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, to Pioneer Electronic Corporation. Automatic loading disc player. 4,829,502, 5-9-89, Cl. 369-77.100.

Aoyagi, Yuuji: *See—*
- Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.

Aoyama, Akimasa; Moritani, Takeshi; Yonezu, Kiyoshi; and Okaya, Takuji, to Kuraray Co., Ltd. Resin compositions, laminates and block copolymers. 4,824,904, 4-25-89, Cl. 525-60.000.

Aoyama, Akira; Kogure, Shigeru; and Sugimoto, Mamoru, to Seiko Epson Corporation. Optical recording medium. 4,801,499, 1-31-89, Cl. 428-336.000.

Aoyama, Akira: *See—*
- Kano, Nobuhiko; Aoyama, Akira; and Kunida, Shinobu, 4,800,112, Cl. 428-163.000.

Aoyama Gankyo Kabushiki Kaisha: *See—*
- Akagi, Terumi, 4,887,896, Cl. 351-63.000.

Aoyama, Goro; Kawabe, Ryuhei; Ikeda, Takashi; and Goto, Tadashi, to Hitachi, Ltd. Circular electromagnetic flow coupler. 4,869,647, 9-26-89, Cl. 415-50.000.

Aoyama, Hirokazu: *See—*
- Fukui, Shosin; Shijo, Masayoshi; and Aoyama, Hirokazu, 4,835,300, Cl. 560-25.000.
- Fukui, Shosin; Shinjo, Masayoshi; and Aoyama, Hirokazu, 4,840,675, Cl. 106-38.220.

Aoyama, Hiroshi: *See—*
- Arai, Kunio; Nishiyama, Hiromi; Aoyama, Hiroshi; and Kanaya, Yasuhiko, 4,872,787, Cl. 408-1.00R.
- Kondo, Susumu; Moriya, Tetsuo; and Aoyama, Hiroshi, 4,880,886, Cl. 526-80.000.
- Tanaka, Hozumi; Aoyama, Hiroshi; Kuroda, Nobuyoshi; and Ito, Takumi, 4,852,074, Cl. 369-53.000.

Aoyama, Hiroyuki: *See—*
- Onda, Kenichi; Matsuda, Yasuo; Abe, Kojin; Iwafuji, Yasunori; Aoyama, Hiroyuki; and Yoshinaka, Hideo, 4,858,096, Cl. 363-22.000.

Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, to Ryowa Corporation; and Tokyo Gas Co., Ltd. Heating soft floor mat. 4,817,707, 4-4-89, Cl. 165-46.000.

Aoyama, Keizo; Yamauchi, Takahiko; and Seki, Teruo, to Fujitsu Limited. Semiconductor memory device. 4,809,046, 2-28-89, Cl. 357-41.000.

Aoyama, Keizo, to Fujitsu Limited. Dual port type semiconductor memory device realizing a high speed read operation. 4,823,321, 4-18-89, Cl. 365-189.000.

Aoyama, Keizo, to Fujitsu Limited. Bidirectional semiconductor device having only one one-directional device. 4,825,098, 4-25-89, Cl. 307-243.000.

Aoyama, Kohji: *See—*
- Matsusaka, Yoshihide; Aoyama, Kohji; and Noguchi, Masaro, 4,838,816, Cl. 439-361.000.

Aoyama, Mari; Ito, Michiyasu; Tsuji, Syoichi; Ishii, Toshiyuki; and Tanaka, Tomohide, to Mitsui Toatsu Chemicals Inc. Preparation of gas permeable porous film. 4,814,124, 3-21-89, Cl. 264-41.000.

Aoyama, Masaharu: *See—*
- Abe, Masahiro; Aoyama, Masaharu; Ohshima, Jiro; and Ajima, Takashi, 4,853,760, Cl. 357-52.000.

Aoyama, Masahide: *See—*
- Ishihara, Ichiro; and Aoyama, Masahide, 4,814,643, Cl. 307-355.000.
- Nakamoto, Kouji; Morishita, Nobumichi; and Aoyama, Masahide, 4,883,821, Cl. 514-617.000.

Aoyama, Michishige, to Kabushiki Kaisha Toshiba. Kneading machine. 4,836,683, 6-6-89, Cl. 366-98.000.

Aoyama, Mituhiro: *See—*
- Iwabuchi, Koji; Tawada, Masaharu; Kanagawa, Noriyuki; Aoyama, Mituhiro; Yamazaki, Katsuhiro; and Kaneko, Kazuo, 4,845,327, Cl. 219-10.55F.

Aoyama, Motoo; Bessho, Yasunori; Morimoto, Yuichi; Maruyama, Hiromi; and Uchikawa, Sadao, to Hitachi, Ltd. Fuel assembly. 4,826,654, 5-2-89, Cl. 376-444.000.

Aoyama, Motoo; Maruyama, Hiromi; Bessho, Yasunori; and Uchikawa, Sadao, to Hitachi, Ltd. Fuel assembly. 4,832,906, 5-23-89, Cl. 376-419.000.

Aoyama, Motoo; and Takeda, Renzo, to Hitachi, Ltd. Fuel assembly and reactor core. 4,871,510, 10-3-89, Cl. 376-444.000.

Aoyama, Motoo; Bessho, Yasunori; Uchikawa, Sadao; Takeda, Renzo; and Ishii, Yoshihiko, to Hitachi, Ltd. Fuel assembly. 4,876,062, 10-24-89, Cl. 376-444.000.

Aoyama, Motoo: *See—*
- Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.

Aoyama, Noboru: *See—*
- Ono, Takuro; Aoyama, Noboru; and Morinaga, Kaoru, 4,890,276, Cl. 369-77.200.

Aoyama, Norihito; Okano, Mikio; Miike, Akira; and Tatano, Toshio, to Kyowa Medex Co., Ltd. Method and test composition for determination of hydrogen peroxide. 4,810,642, 3-7-89, Cl. 435-28.000.

Aoyama, Norihito; Miike, Akira; Shimizu, Yoshiaki; and Tatano, Toshio, to Kyowa Medex Co., Ltd. Method for the determination of the reduced form of nicotinamide adenine dinucleotide. 4,824,779, 4-25-89, Cl. 435-25.000.

Aoyama, Shigeo: *See—*
- Sumiya, Kenji; Yamamoto, Yoshinori; Aoyama, Shigeo; and Takeuchi, Yoji, 4,830,923, Cl. 428-425.900.

Aoyama, Shigeyuki: *See—*
- Saito, Kenichiro; and Aoyama, Shigeyuki, 4,850,268, Cl. 98-33.100.

Aoyama, Steven, to Wilson Sporting Goods Co. Golf ball with uniform land configuration. 4,830,378, 5-16-89, Cl. 273-232.000.

Aoyama, Susumu: *See—*
- Doi, Masayuki: Asahi, Naotatsu; Kojima, Yoshitaka; Kanamaru, Hisanobu; and Aoyama, Susumu, 4,873,150, Cl. 428-627.000.

Aoyama, Takeo; Imai, Teruo; Hattori, Junichi; and Uehara, Mikio, to Nippon Petrochemicals Co., Ltd. Method for preparing molded articles of ultra-high molecular weight polyethylene. 4,876,049, 10-24-89, Cl. 264-49.000.

Aoyama, Takeshi: *See—*
- Wakiyama, Yoshihiro; Aoyama, Takeshi; and Ohnishi, Yoshiro, 4,882,503, Cl. 307-267.000.

Aoyama, Takuo: *See—*
- Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, 4,820,730, Cl. 514-510.000.

Aoyama, Tatsuaki: *See—*
- Mizuno, Shinji; Kawato, Humio; Hanazawa, Kazuyoshi; Aoyama, Tatsuaki; and Ogasawara, Yoshinari, 4,875,911, Cl. 55-162.000.

Aoyama, Tomoo; and Kawabe, Shun, to Hitachi, Ltd.; and Hitachi Computer Engineering Co., Ltd. Vector processing system for processing plural vector instruction streams. 4,849,882, 7-18-89, Cl. 364-200.000.

Aoyama, Toshihiro: *See—*
- Shimada, Keizo; Aoyama, Toshihiro; and Yoshida, Hidetsugu, 4,826,892, Cl. 522-148.000.

Aoyama, Yoshiko: *See—*
- Hirahara, Takuji; Nakamura, Takashi; Aoyama, Yoshiko; and Maeda, Shuichi, 4,814,366, Cl. 524-89.000.

Ap Aero, Inc: *See—*
- Leigh-Monstevens, Keith V.; Tury, Edward L.; Branum, Leslie P.; and Thoe, Gregg A., 4,817,468, Cl. 74-335.000.

- AP Industries, Inc.: *See*—
  - Harwood, Jon W.; and Kimmet, Mark S., 4,836,330, Cl. 181-282.000.
  - Rosa, Bruno A.; Harwood, Jon W.; Moring, Walter G., III; and Resuggan, Peter L. 4,806,726, Cl. 219-121.670.
- AP Parts Manufacturing Company: *See*—
  - Harwood, Jon W.; and Moring, Walter G., III, 4,821,840, Cl. 181-282.000.
  - Harwood, Jon W.; and Karlgaard, Wayne A., 4,847,965, Cl. 29-157.00R.
  - Moring, Walter G., III, 4,860,853, Cl. 181-282.000.
  - Peele, Camille, 4,831,231, Cl. 219-121.390.
  - Peele, Camille; and Carnley, Franklin D., 4,835,851, Cl. 29-272.000.
- APCO Technical Services, Inc.: *See*—
  - Malady, John J.; Malady, Gerard J.; Malady, Marie D.; and Malady, Marie E. T., 4,811,247, Cl. 364-550.000.
- Apco/Valve and Primer Corporation: *See*—
  - Hall, Keith; Esvang, Robert L., Jr.; and DiLorenzo, Ralph N., 4,834,621, Cl. 417-297.000.
- Apel, Howard L., to Texaco Inc. Partial oxidation of low heating value hazardous waste petroleum products. 4,875,906, 10-24-89, Cl. 48-197.00R.
- Aper, Ludwig. Motor vehicle having a central extension section. 4,887,859, 12-19-89, Cl. 296-26.000.
- Apex Medical Technologies, Inc.: *See*—
  - McGlothlin, Mark W.; and DePaul, Alice A., 4,855,169, Cl. 428-35.200.
- Apex Microtechnology Corporation: *See*—
  - Eddlemon, Dennis N., 4,808,909, Cl. 323-313.000.
  - Elbert, Hubert F.; and March-Force, Gary, 4,871,965, Cl. 324-158.00F.
  - Molloy, John J., 4,833,423, Cl. 330-265.000.
- Apex Technologies, Inc.: *See*—
  - Theiss, Scott M., 4,848,278, Cl. 122-383.000.
- Apexcel Co., Ltd.: *See*—
  - Yee, Bruce, 4,834,415, Cl. 280-644.000.
- Apfel, Norbert; Stehle, Hans-Peter; and Kemmler, Ralf-Rainer, to Stihl, Andreas. Guide bar for a motor-driven chain saw. 4,794,696, 1-3-89, Cl. 30-387.000.
- Apfel, Steven L., to Hughes Aircraft Company. Low pressure reaction control propulsion system for a spacecraft. 4,880,185, 11-14-89, Cl. 244-135.00B.
- Apfelbacher, Walter; Wiessner, Edgar; and Barnklau, Karl-Hans, to Siemens Aktiengesellschaft. Locking arrangement for two switchgears. 4,883,927, 11-28-89, Cl. 200-50.00C.
- Apfelbaum, Lawrence S.: *See*—
  - Gonzalez, Roberto; and Apfelbaum, Lawrence S., 4,857,833, Cl. 324-73.00R.
- Apffel, Fred. Recovery process. 4,839,151, 6-13-89, Cl. 423-449.000.
- Apffel, Fred, to Flexivol, Inc. Carbon dioxide absorption methanol process. 4,861,360, 8-29-89, Cl. 62-17.000.
- Apholt, Horst, to Hoechst Aktiengesellschaft. Hollow charge shell constructed as drill ammunition. 4,798,144, 1-17-89, Cl. 102-445.000.
- Aphton Corporation: *See*—
  - Grimes, Stephen; Benjamini, Elizer; and Gevas, Philip, 4,795,634, Cl. 424-85.900.
  - Karr, Stephen L., Jr., 4,814,170, Cl. 424-88.000.
- Apicella, Anthony M.: *See*—
  - Peterson, John E., Jr.; and Apicella, Anthony M., 4,844,846, Cl. 264-40.400.
- Apicella, Michael A., to Research Foundation of State University of New York, The. Disposable antigen concentrator and detector. 4,859,421, 8-22-89, Cl. 422-61.000.
- Aplix, S.A.: *See*—
  - Billarant, Patrick J.; and Queval, Bruno, 4,802,939, Cl. 156-155.000.
- Apollo Computer, Inc.: *See*—
  - Lathrop, Olin G., 4,857,901, Cl. 340-703.000.
  - Leblang, David B.; McLean, Gordon, Jr.; Spilke, Howard; and Chase, Robert P., Jr., 4,809,170, Cl. 364-200.000.
- Apollo Seiko Ltd.: *See*—
  - Kawaguchi, Seiji, 4,805,830, Cl. 228-179.000.
  - Kawaguchi, Seiji, 4,860,427, Cl. 29-564.400.
- Apollo Sports Co., Ltd.: *See*—
  - Takamizawa, Nobuyuki; Yoshizawa, Tetsuo; and Shirai, Susumu, 4,864,959, Cl. 114-315.000.
- Apollo Sprayers International, Inc.: *See*—
  - Darroch, John B., 4,854,822, Cl. 417-62.000.
- Apostolides, John K., to R.P.M. Industries, Inc. Multistage pre-lubricant pump. 4,834,039, 5-30-89, Cl. 123-196.00S.
- Apostolos, John T.; Stromswold, Chester E.; and Carrier, Robert H., to Sanders Associates, Inc. Electromagnetic dispersive delay line. 4,808,950, 2-28-89, Cl. 333-157.000.
- Apostolos, John T., to Sanders Associates, Inc. Signal acquisition apparatus and method. 4,870,420, 9-26-89, Cl. 342-147.000.
- Apparatenfabrick ATAG B.V.: *See*—
  - Berkelder, Wilhelm H., 4,831,999, Cl. 126-19.00R.
- Appareils Iona Inc.: *See*—
  - Hetherington, Michael W.; Garner, David P.; and Millman, Allan D., 4,798,613, Cl. 55-52.000.
- Apparel Machinery International, Ltd.: *See*—
  - Hinckle, John E., 4,799,438, Cl. 112-121.120.
  - Hinckle, John E., 4,846,087, Cl. 112-262.300.
- Appel, Adolf: *See*—
  - Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, 4,847,032, Cl. 264-322.000.
  - Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, 4,867,929, Cl. 264-521.000.
- Appel, Hans-Gunter; Ohm, Heinz-Friedrich; Bluhm, Klaus; and Probst, Kurt, to VDO Adolf Schindling AG. Method of monitoring the end position of a controlling element and circuit arrangement for the carrying out of the method. 4,888,537, 12-19-89, Cl. 318-626.000.
- Appel, Hans-Gunter: *See*—
  - Ohm, Heinz-Friedrich; Bluhm, Klaus; Appel, Hans-Gunter; and Probst, Kurt, 4,841,931, Cl. 123-339.000.
- Appel, Jean: *See*—
  - Richard, Philippe; Soulage, Andre; and Appel, Jean, 4,841,304, Cl. 342-460.000.
- Appel, Kay: *See*—
  - Schnitker, Wolfgang E.; Nover, Michael P. J.; and Appel, Kay, 4,839,775, Cl. 361-402.000.
- Appel, Marvin R.: *See*—
  - Welch, Gary E.; Appel, Marvin R.; and Bittle, Jerry R., 4,886,354, Cl. 356-70.000.
- Appel, Peter W.; Bortolotti, Fabrizio; Delwel, Francois; Hornung, Fredrik; Tomlinson, Alan D.; and Willemse, Simon, to Lever Brothers Company. Antifoam ingredient. 4,824,593, 4-25-89, Cl. 252-127.000.
- Appel, Werner: *See*—
  - Spinner, Georg; and Appel, Werner, 4,810,832, Cl. 174-65.0SS.
- Appelbaum, Benjamin: *See*—
  - Lynch, Donald M.; and Appelbaum, Benjamin, 4,828,849, Cl. 424-52.000.
  - Lynch, Donald M.; and Appelbaum, Benjamin, 4,855,128, Cl. 424-49.000.
- Appelbaum, Edward R., to Lubrizol Genetics, Inc. Nif promoter of fast-growing rhizobium japonicum. 4,803,165, 2-7-89, Cl. 435-172.300.
- Appelbaum, Edward R.; McLoughlin, Thomas J.; and O'Connell, Michael P., to Lubrizol Genetics, Inc. Rhizobium japonicum symbiosis gene transfer. 4,818,696, 4-4-89, Cl. 435-172.300.
- Appelbaum, Paul. Padlock cover with storage compartment. 4,869,0 9-26-89, Cl. 70-63.000.
- Appelberg, Gustaf T., to E-Lite Technologies, Inc. Apparatus and method for cutting multiple lamp outlines from electroluminescent strip. 4,856,392, 8-15-89, Cl. 83-40.000.
- Appeldorn, Alfred: *See*—
  - Hadeler, Dieter; and Appeldorn, Alfred, 4,890,025, Cl. 310-68.00C.
- Appeldorn, Roger H.; and Vanderwerf, Dennis F., to Minnesota Mining and Manufacturing Company. Tilted panel linear echelon solar collector. 4,800,868, 1-31-89, Cl. 126-438.000.
- Appeldorn, Roger H., to Minnesota Mining and Manufacturing Company. Refracting solar energy concentrator and thin flexible Fresnel lens. 4,848,319, 7-18-89, Cl. 126-440.000.
- Appeldorn, Roger H., to Minnesota Mining and Manufacturing Company. Intermeshable article. 4,875,259, 10-24-89, Cl. 24-576.000.
- Appelgren, Curt H.; Eskilsson, Eva C.; and Uvdal, Jonas P., to Lejus Medical Aktiebolag. Process for preparing rapidly disintegrating granulates. 4,840,799, 6-20-89, Cl. 424-493.000.
- Appelgren, Curt H.; and Eskilsson, Eva C., to Lejus Medical Aktiebolag. Diuretic composition. 4,888,179, 12-19-89, Cl. 424-480.00
- Appelhans, Heribert: *See*—
  - Heinzel, Regina; Appelhans, Heribert; Gassen, Hans G.; Machleidt, Werner; and Seemuller, Ursula, 4,845,076, Cl. 514-12.000.
- Appelmann, Horst, to C. J. Rush Inc. Quarter point return mechanism for manually operated revolving doors. 4,800,679, 1-31-89, Cl. 49-42.000.
- Appelmann, Horst, to C. J. Rush Inc. Quarter point return mechanism for manually operated revolving doors. 4,872,285, 10-10-89, Cl. 49-42.000.
- Appelt, Guenther, to Siemens Aktiengesellschaft. X-radiator. 4,862,4 8-29-89, Cl. 378-117.000.
- Appenzeller, Robert C.; and Bailey, Curtis R., to Machine Products Corporation. Hoist mechanism for assisting in manual movement of stator coil insertion tool assembly. 4,858,307, 8-22-89, Cl. 29-736.00
- Apperson, Gerald R.: *See*—
  - Wiklof, Christopher A.; and Apperson, Gerald R., 4,855,757, Cl. 346-76.0PH.
- Apperson, Joseph, to British Railways Board. Control systems for controlling the passage of vehicles. 4,858,859, 8-22-89, Cl. 246-20.00
- Appiano, Silvano; Chiarottino, Volmer; Pozzi, Mauro; and Reali, Aldo, to SIP-Societa Italiana per l'Esercizio Delle Telecomunicazioni S.p.A. Interface module for superimposing alphanumeric characters upon RGB video signals. 4,800,423, 1-24-89, Cl. 358-21.00R.
- Applause, Inc.: *See*—
  - Chiavetta, Sebastiano R.; and De Guglielmi, Giorgio, 4,874,163, Cl. 272-53.200.
- Apple Computer, Inc.: *See*—
  - Ashkin, Peter B.; and Clark, Michael, 4,875,158, Cl. 364-200.00
  - Farand, Tobin E., 4,884,069, Cl. 340-799.000.
  - Furtek, Frederick C., 4,845,633, Cl. 364-490.000.
  - Howard, Robert A.; and Elliman, Robert, 4,852,830, Cl. 248-183.000.
  - Perlman, Stephen G., 4,868,557, Cl. 340-799.000.
  - Thompson, Laurence A.; and Moore, Robin B., 4,823,120, Cl. 340-703.000.
  - Young, Steve; and Foster, Nigel, 4,870,357, Cl. 324-158.00R.
- Applebaum, Joy D.; Bayne, Marvin L.; and Cascieri, Margaret A., to Merck & Co., Inc. Human insulin-like growth factor analoges with reduced binding to serum carrier proteins and their production in yeast. 4,876,242, 10-24-89, Cl. 514-3.000.

- Applebaum, Martin: *See*—
  - Anderson, Joseph C.; and Applebaum, Martin, 4,818,883, Cl. 250-361.00C.
- Applebaum, Michael I.; and Sayre, Richard E. Method and apparatus for disclosure of personal information. 4,815,768, 3-28-89, Cl. 283-67.000.
- Appleby, Anthony J., to Texas A & M University System, The. Method and apparatus for H_2S electrolysis. 4,859,292, 8-22-89, Cl. 204-60.000.
- Appleby, David; and Johnson, Duncan M., to Gent Limited. Information transmission system. 4,864,519, 9-5-89, Cl. 364-550.000.
- Appleby, Harold R., Jr.; and Bova, Ignatius N., to Westinghouse Electric Corp. Automatic short circuit tester control device. 4,810,972, 3-7-89, Cl. 324-541.000.
- Appleby, James H. Method of and apparatus for the measurement of slowly changing or static electrical polarization. 4,857,832, 8-15-89, Cl. 324-72.000.
- Appleby, John M.; Bolsworth, James; and Wilson, Charles M., to General Motors Corporation. Hood release assembly with integral snap in retention at instrument panel. 4,872,366, 10-10-89, Cl. 74-501.600.
- Appledorn, Roger C.; Ratliff, Lary G.; Behling, William C.; and Oestreich, Michael L., to Halliburton Company. Shaped charge carrier. 4,800,815, 1-31-89, Cl. 102-321.000.
- Appleford, Lyle R., to Boeing Company, The. Apparatus and methods for generating aircraft control commands using nonlinear feedback gain. 4,862,372, 8-29-89, Cl. 364-433.000.
- Applegate, Robert L.: *See*—
  - Bray, James A.; and Applegate, Robert L., 4,823,732, Cl. 118-622.000.
- Appleton, Arthur I. Fan blade apparatus. 4,867,643, 9-19-89, Cl. 416-175.000.
- Appleton, Bill R.; Ashley, Paul R.; and Buchal, Christopher J., to United States of America, Energy. Method of fabricating optical waveguides by ion implantation doping. 4,840,816, 6-20-89, Cl. 427-38.000.
- Appleton Electric Co.: *See*—
  - Bolante, Jay J., 4,842,548, Cl. 439-461.000.
- Appleton, Gregory H.; and Mikelk, Paul D., to Breakthru Industries, Inc. Weighing system. 4,854,406, 8-8-89, Cl. 177-139.000.
- Appleton Mills: *See*—
  - Gulya, Thomas G.; Schultz, Gary V.; and Staiger, Kenneth G., 4,830,905, Cl. 428-234.000.
  - Gulya, Thomas G.; Schultz, Gary V.; and Arnold, Ronald A., 4,888,095, Cl. 162-202.000.
- Appleton Papers Inc.: *See*—
  - Brown, Robert W.; and Churchill, Donald, 4,873,219, Cl. 503-204.000.
  - Dwyer-Hallquist, Patricia; Becker, William J.; Miller, Robert E.; and Glanz, Kenneth D., 4,837,210, Cl. 544-150.000.
  - Glanz, Kenneth D.; and Bartman, Gerald C., 4,870,047, Cl. 503-209.000.
  - Miller, Robert E.; Vervacke, Steven L.; Bahowick, Timothy J.; and Glanz, Kenneth D., 4,880,766, Cl. 503-212.000.
  - Mushinski, Roger J.; Lewis, Charles E.; and Casey, Lawrence J., 4,884,385, Cl. 53-399.000.
  - Vervacke, Steven L.; and Glanz, Kenneth D., 4,820,683, Cl. 503-210.000.
- Appleton, Peter N., to IQ (Bio) Limited. Determination of chlamydia trachomatis. 4,830,960, 5-16-89, Cl. 435-7.000.
- Appleton, Richard A.; Dixon, John; and Burford, Sidney C., to Fisons plc. Pyrazole-3-amines as anti-inflammatory agents. 4,803,216, 2-7-89, Cl. 514-407.000.
- Appleton, Richard A.; Burford, Sidney C.; Hardern, David N.; and Wilkinson, David, to Fisons plc. Anti-inflammator 1,n-diarylpyrazol-3-amines. 4,810,719, 3-7-89, Cl. 514-406.000.
- Appleton, Richard E. Swing. 4,799,669, 1-24-89, Cl. 272-85.000.
- Appleyard, F. Joseph; Mason, William L.; and Young, John H., to Armstrong World Industries, Inc. Method of forming a floor tile on a drum. 4,804,429, 2-14-89, Cl. 156-209.000.
- Appleyard, Michael: *See*—
  - Jensen, Svend; Paul, David S.; and Appleyard, Michael, 4,880,269, Cl. 296-190.000.
- Applezweig, Norman; and Bradlow, H. Leon, to Progenics, Inc. Increasing the bioavailability of alpha-etiocholanolone. 4,871,726, 10-3-89, Cl. 514-177.000.
- Applications Electronique Techniques Avancees "A.E.T.A.": *See*—
  - Fric, Jacques, 4,866,753, Cl. 379-63.000.
- Applied Acoustic Research, Inc.: *See*—
  - Marciniak, Robert D.; and Poole, Lynn A., 4,811,595, Cl. 73-149.000.
- Applied Automation, Inc.: *See*—
  - Jensen, Bruce A.; and Davis, Terrence A., 4,817,009, Cl. 364-477.000.
  - Lacy, Robert H.; and Spencer, William A., 4,884,242, Cl. 365-229.000.
  - Layton, James E., 4,799,041, Cl. 341-120.000.
  - Likins, Merle R., Jr., 4,815,965, Cl. 431-12.000.
  - Mowery, Richard A., Jr., 4,824,446, Cl. 55-67.000.
  - Mowery, Richard A., Jr., 4,861,555, Cl. 422-70.000.
  - Price, Glen E.; Reinecke, Marvin E.; and Hilderbrand, James N., 4,795,130, Cl. 251-62.000.
  - Webb, Don W., 4,806,836, Cl. 318-609.000.
  - Webb, Don W., 4,846,850, Cl. 55-21.000.
- Applied Biometrics, Incorporated: *See*—
  - Weber, Roland E., 4,886,059, Cl. 128-207.150.
- Applied Biosystems, Inc.: *See*—
  - Andrus, William A.; Efcavitch, J. William; and McBride, Lincoln J., 4,816,571, Cl. 536-27.000.
  - Bridgham, John; Geiser, Timothy G.; Hunkapiller, Michael W.; Kent, Stephen B. H.; Marriott, Mark P.; Ramstad, Paul O.; and Nordman, Eric S., 4,816,513, Cl. 525-54.110.
  - Fung, Steven; Woo, Sam L.; Haugland, Richard P.; Menchen, Steven M.; and Connell, Charles R., 4,855,225, Cl. 435-6.000.
  - Hunkapiller, Michael W.; Connell, Charles R.; Mordan, William J.; Lytle, John D.; and Bridgham, John A., 4,811,218, Cl. 364-413.010.
  - Hunkapiller, Michael W., 4,837,726, Cl. 364-498.000.
  - Hunkapiller, Michael W., 4,852,017, Cl. 364-497.000.
  - Sapp, Edwin R.; and Kinast, Eric K., 4,848,904, Cl. 356-319.000.
  - Whiteley, Norman M.; Hunkapiller, Michael W.; and Glazer, Alexander N., 4,883,750, Cl. 435-6.000.
- Applied Design Laboratories, Inc.: *See*—
  - Milner, Ronald E., 4,796,891, Cl. 273-153.00S.
- Applied Electron Corporation: *See*—
  - Collins, George J.; Meyer, Jack D.; and Yu, Zeng-qi, 4,801,839, Cl. 313-30.000.
  - Collins, George J.; and Krishnaswamy, Jayaram, 4,827,137, Cl. 250-492.200.
- Applied Engineering Products Co.: *See*—
  - Struhs, Kenneth E.; Struhs, Mark J.; and Struhs, Patrick L., 4,855,823, Cl. 358-108.000.
- Applied Extrusion Technologies, Inc.: *See*—
  - Hovis, Edward E.; and Johnson, Eric D., 4,842,794, Cl. 264-145.000.
- Applied Geomechanics, Inc.: *See*—
  - Holzhausen, Gary R.; and St. Lawrence, William, 4,802,144, Cl. 367-35.000.
- Applied Magnetics Corporation: *See*—
  - Atesmen, Mehmet K.; and Myers, Warren D., II, 4,823,216, Cl. 360-103.000.
  - Roberts, Gary E., 4,872,079, Cl. 360-126.000.
  - Roberts, Gary E.; and Reid, James, 4,884,157, Cl. 360-125.000.
- Applied Material Handling, Inc.: *See*—
  - Wilde, Daniel R., 4,875,327, Cl. 53-475.000.
- Applied Materials, Inc.: *See*—
  - Aitken, Derek, 4,847,504, Cl. 250-492.200.
  - Chang, Mei; Wang, David N. K.; White, John M.; and Maydan, Dan, 4,854,263, Cl. 118-715.000.
  - Cheng, David; and Zhang, Wesley W., 4,819,167, Cl. 364-167.010.
  - Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., 4,842,683, Cl. 156-345.000.
  - Lorimer, D'Arcy H., 4,837,052, Cl. 427-160.000.
  - Moore, Gary M., 4,823,654, Cl. 81-488.000.
  - Prabhakar, Rakesh; Benavides, A. Fernando; Nitescu, Petru; and Ebbing, Peter, 4,813,840, Cl. 414-433.000.
  - Renau, Anthony; Moffatt, Stephen; and Plumb, Frederick, 4,825,087, Cl. 250-492.20R.
  - Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilya; and Maydan, Dan, 4,872,947, Cl. 156-643.000.
- Applied Medical Research: *See*—
  - Cohen, Michael, 4,855,305, Cl. 514-171.000.
- Applied Medical Technology, Inc.: *See*—
  - Gauderer, Michael L.; Picha, George J.; and Siedlak, Dennis, 4,863,438, Cl. 604-247.000.
- Applied Membrane Technology, Inc.: *See*—
  - Nomura, Hiroshi, 4,806,246, Cl. 210-651.000.
  - Nomura, Hiroshi, 4,824,444, Cl. 55-16.000.
- Applied Micro Circuits Corporation: *See*—
  - Coy, Bruce H.; and Yuen, Raymond C., 4,874,970, Cl. 307-475.000.
  - Rosky, David S., 4,835,420, Cl. 307-475.000.
  - Tobias, Eric; and Chen, Chau-Shiong A., 4,876,216, Cl. 437-67.000.
- Applied Power Inc.: *See*—
  - Janecke, James P., 4,889,161, Cl. 137-596.000.
  - Miller, Douglas P., 4,799,657, Cl. 269-24.000.
  - Steber, George R.; and Mondloch, Michael, 4,811,250, Cl. 364-551.000.
- Applied Protein Technologies, Inc.: *See*—
  - Horn, Marcus J.; and Recchia, Joanne, 4,800,166, Cl. 436-55.000.
- Applied Research & Technology, Inc.: *See*—
  - Crampton, Timothy P., 4,885,521, Cl. 320-14.000.
- Applied Science Group, Inc.: *See*—
  - Borah, Joshua D.; Merriam, James C.; and Velez, Jose, 4,859,050, Cl. 351-210.000.
- Applied Science Laboratories: *See*—
  - Velez, Jose; and Borah, Joshua D., 4,852,988, Cl. 351-210.000.
- Applied Science & Technology, Inc.: *See*—
  - Gaudreau, Marcel P. J.; and Smith, Donald K., 4,866,346, Cl. 315-111.210.
  - Smith, Donald K., 4,851,630, Cl. 219-10.55A.
- Applied Solar Energy Corporation: *See*—
  - Gammarino, Rudolph R.; Doerning, Mark S.; and Cuccia, Barry J., 4,823,401, Cl. 455-606.000.
- Applied Techniques Inc.: *See*—
  - Pine, Bob G., 4,840,267, Cl. 198-498.000.
- Applied Technologies Associates: *See*—
  - Van Steenwyk, Donald H., 4,833,787, Cl. 33-302.000.

Applied Thermal Systems, Inc.: *See—*
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Applied Ultralight Technologies, Inc.: *See—*
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Appling, James, to Allied-Signal Inc. Level wind system. 4,795,108, 1-3-89, Cl. 242-157.100.
Apps, Howard R.; Lucas, Adrian D.; and Fairhall, Philip C., to British Aerospace Public Limited Company. Apparatus for forming elongate structural components. 4,878,369, 11-7-89, Cl. 72-12.000.
Apps, William P., to Rehrig-Pacific Company, Inc. Nesting and stacking storage container. 4,823,955, 4-25-89, Cl. 206-506.000.
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Kassai, Kenzou, 4,805,259, Cl. 16-35.00R
Kassai, Kenzou, 4,817,982, Cl. 280-644.000.
Kassai, Kenzou, 4,845,805, Cl. 16-35.00R.
Kassai, Kenzou, 4,846,494, Cl. 280-642.000.
Kassai, Kenzou, 4,848,787, Cl. 280-642.000.
Kassai, Kenzou, 4,861,405, Cl. 156-204.000.
Apricot S.A.: *See—*
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Cochran, Frederick; Davis, Jack; and Apruzese, John, 4,803,687, Cl. 372-5.000.
Apschel, Morris; Egitto, Frank D.; Horwath, Ronald S.; and Koren, Gad, to International Business Machines Corporation. Method for selectively etching the materials of a composite of two materials. 4,869,777, 9-26-89, Cl. 156-626.000.
Apsell, Sheldon, to Micrologic, Inc. Locking clamp for a trailer tire-carrying wheel and the like. 4,819,462, 4-11-89, Cl. 70-14.000.
Apsell, Sheldon P.; and Stapelfeld, Norval D., to Lo-Jack Corporation. Method of and system and apparatus for locating and/or tracking stolen or missing vehicles and the like. 4,818,998, 4-4-89, Cl. 342-44.000.
ApSimon, John W.: *See—*
Guiver, Michael D.; ApSimon, John W.; and Kutowy, Oleh, 4,797,457, Cl. 525-534.000.
Guiver, Michael D.; ApSimon, John W.; and Kutowy, Oleh, 4,833,219, Cl. 525-534.000.
Apsley Metals Limited: *See—*
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Perkins, David J. B., 4,871,409, Cl. 156-110.100.
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Aptec Computer Systems, Inc.: *See—*
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McAlpine, Gary L., 4,800,535, Cl. 365-230.000.
Aptec, Inc.: *See—*
Golembiski, Francis H., 4,823,843, Cl. 137-637.100.
Aptel, Philippe; and Espenan, Jean-Michel, to Institut National de Recherche Chimique Appliquee; and Centre National de la Recherche Scientifique. Hollow fibers production method thereof and their applications particularly in the field of membrane-type separations. 4,882,223, 11-21-89, Cl. 428-398.000.
APTI, Inc.: *See—*
Drobot, Adam T., 4,817,495, Cl. 89-1.110.
Lowther, Frank E., 4,873,928, Cl. 102-323.000.
APU North America, Inc.: *See—*
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APV Glacier Industries, Inc.: *See—*
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APV Magnetronics Limited: *See—*
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APV Rosista, Inc.: *See—*
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Aqua Fisk A/S: *See—*
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Aqua Process, Inc.: *See—*
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Aqua Trend Systems Inc.: *See—*
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Aqua-Tronics, Inc.: *See—*
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Nicholson, Donald, 4,819,293, Cl. 15-172.000.
Nicholson, Donald; and Nordmyer, Robert, 4,825,528, C 29-453.000.
Nicholson, Donald; and Nordmyer, Robert, 4,828,803, C 422-264.000.
Aqualon Company: *See—*
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Burdick, Charles L., 4,883,536, Cl. 106-194.000.
Burdick, Charles L., 4,883,537, Cl. 106-194.000.
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Craig, Daniel H., 4,883,850, Cl. 526-200.000.
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t'Sas, Harald E., 4,845,207, Cl. 536-91.000.
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Hancock, Mark W.; and May, Marvin M., 4,859,376, Cl. 261-35.00
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Araghi, Mehdi N.; and Tandon, Jagdish C., to Xerox Corporat Method of replacing an image sensor array. 4,830,985, 5-16-89, C 437-209.000.
Araghi, Mehdi N.; and Tandon, Jagdish C., to Xerox Corporati Replaceable image sensor array. 4,860,075, 8-22-89, Cl. 357-30.00
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Fukuma, Yasufumi; Oana, Yoshinori; and Arai, Akihiro, 4,810,085, Cl. 351-212.000.
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Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; Okusawa, Tsutomu; and Arai, Akira, 4,822,250, Cl. 417-45.000.
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Arai, Eiichi; Mori, Keisuke; and Makino, Takao, to Kabushiki Kaisha Morita Seisakusho. X-ray diagnostic apparatus. 4,809,311, 2-28-89, Cl. 378-110.000.
Arai, Fuminori; and Igarashi, Takeshi, to Fuji Photo Film Co, Ltd. Multilayer analytical element for analysis of cholesterol. 4,826,761, 5-2-89, Cl. 435-11.000.
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Kishi, Hiroyasu; and Arai, Hiromi, 4,845,563, Cl. 358-158.000.
Arai, Hiroshi, to Honeywell Inc. Communication control method. 4,806,927, 2-21-89, Cl. 340-825.050.
Arai, Hiroshi; Murakami, Tadahiko; Mashimo, Kazuo; and Tanioka, Jyou, to Nippon Metal Industry Co., Ltd. Martensitic stainless steel having excellent hardness by subzero treatment. 4,846,904, 7-11-89, Cl. 148-325.000.
Arai, Hirotoshi: *See—*
Hirai, Shiro; Hirano, Hiroshi; Arai, Hirotoshi; Shibata, Hisanari; Kusayanagi, Yoshikazu; and Hashiba, Kazuhiko, 4,871,765, Cl. 514-471.000.
Arai, Hisao; Sonehara, Keisuke; Yasumura, Satoshi; and Kobayashi, Junji, to Kabushiki Kaisha Kenwood. Lock device for equipment loaded to vehicle. 4,854,145, 8-8-89, Cl. 70-258.000.
Arai, Hitoshi, to Canon Kabushiki Kaisha. Image processing apparatus. 4,811,037, 3-7-89, Cl. 346-108.000.
Arai, Hitoshi, to Canon Kabushiki Kaisha. Image processing apparatus in which the minimum and maximum widths of a pulse-width modulated signal can be independently adjusted in accordance with predetermined data signals. 4,847,695, 7-11-89, Cl. 358-455.000.
Arai, Hitoshi: *See—*
Eguchi, Yoshitugu; Miyashita, Masaru; Arai, Hitoshi; and Ogushi, Yoshimi, 4,806,432, Cl. 428-457.000.
Arai, Ichiro, to Toray Silicone Co., Ltd. Method for producing plastic cartridge for sealants. 4,816,204, 3-28-89, Cl. 264-541.000.
Arai, Ikuya: *See—*
Murata, Toshinori; Arai, Ikuya; Kurita, Toshiyuki; and Nakagawa, Isao, 4,860,090, Cl. 358-21.00R.
Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, 4,821,112, Cl. 358-17.000.
Sekiya, Hiroshi; Arai, Ikuya; and Murata, Toshinori, 4,870,490. Cl. 358-158.000.
Arai, Isamu: *See—*
Tsugita, Akira; Arai, Isamu; and Ataka, Tatsuaki, 4,865,994, Cl. 436-57.000.
Arai, Isao: *See—*
Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
Arai, Junichi: *See—*
Shibata, Nobuo; Suzuki, Toshio; Fujii, Takashi; Arai, Junichi; and Kato, Hisami, 4,805,929, Cl. 280-721.000.
Arai, Kanji: *See—*
Tokuyama, Katsumi; Arai, Kanji; Ishikawa, Takuji; and Akiyama, Haruhiko, 4,845,740, Cl. 379-91.000.
Arai, Katsuyoshi; and Sasaki, Toru, to Honda Giken Kogyo Kabushiki Kaisha. Vibration preventing apparatus using fluid. 4,834,349, 5-30-89, Cl. 267-140.100.
Arai, Katsuyoshi: *See—*
Miyamoto, Yasuo; Arai, Katsuyoshi; and Uchiyama, Keiichi, 4,858,879, Cl. 248-562.000.
Arai, Katsuyuki; Karai, Kenji; Watanabe, Okosu; and Ando, Keiji, to Fujikura Ltd. Coaxial cable connection assembly with a transceiver. 4,850,895, 7-25-89, Cl. 439-394.000.
Arai, Katsuyuki: *See—*
Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi; Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, 4,823,235, Cl. 361-424.000.
Arai, Katutoshi: *See—*
Kanamaru, Tatsuya; Nakayama, Motohiro; Arai, Katutoshi; Suzuki, Shinichi; and Naka, Ryoichi, 4,877,494, Cl. 204-28.000.
Arai, Kazumasa: *See—*
Minagawa, Yukinori; Tanaka, Minoru; Yamaguchi, Kunihiko; Arai, Kazumasa; and Muramatsu, Gouichi, 4,865,823, Cl. 423-112.000.
Arai, Kazuo: *See—*
Ota, Kiyoshi; and Arai, Kazuo, 4,795,950, Cl. 318-314.000.
Arai, Kazutaka: *See—*
Miyaji, Katsuaki; Arai, Kazutaka; Ohara, Yoshio; and Takahashi, Yasuhiro, 4,837,344, Cl. 549-319.000.
Arai, Kazuya: *See—*
Hyogo, Yukihiro; Kimura, Kikuo; Iida, Satoshi; and Arai, Kazuya, 4,822,965, Cl. 200-333.000.
Arai, Ken-ichi: *See—*
Lee, Frank D.; Yokota, Takashi; and Arai, Ken-ichi, 4,798,789, Cl. 435-68.000.
Arai, Kenji; Kurihara, Kazumasa; and Oshizawa, Hidekazu, to Diesel Kiki Co., Ltd. Apparatus for controlling an internal combustion engine for vehicles. 4,807,132, 2-21-89, Cl. 364-424.100.
Arai, Kenji; Morita, Kouichi; Mito, Nobuaki; and Hirata, Naonori, to Sumitomo Chemical Company, Limited. Cyclohexenone derivative, process for producing the same and herbicides comprising the same as active ingredient. 4,888,042, 12-19-89, Cl. 71-88.000.
Arai, Kenji: *See—*
Kurihara, Kazumasa; and Arai, Kenji, 4,825,993, Cl. 192-0.092.
Kurihara, Kazumasa; and Arai, Kenji, 4,838,397, Cl. 192-0.044.
Kurihara, Kazumasa; and Arai, Kenji, 4,848,529, Cl. 192-0.076.
Kurihara, Kazumasa; and Arai, Kenji, 4,862,362, Cl. 364-424.100.
Matsukane, Tetsuyoshi; and Arai, Kenji, 4,810,150, Cl. 411-508.000.
Arai, Kiyoshi: *See—*
Arita, Masanobu; Arai, Kiyoshi; Komoto, Nobuo; Hirose, Setsuko; and Sekine, Takeshi, 4,822,822, Cl. 514-655.000.
Arai, Kiyotaka: *See—*
Suzuki, Koji; Tsukada, Tetsuro; Saito, Yoshihiko; Arai, Kiyotaka; and Mori, Hiroshi, 4,872,958, Cl. 204-98.000.
Arai, Koichi, to Arai Corporation. Locking structure of wire rod for filter element. 4,843,700, 7-4-89, Cl. 29-163.700.
Arai, Koichi; and Yoshizaki, Hideo, to Kowa Co, Ltd. Placenta-derived anticoagulating substance. 4,873,222, 10-10-89, Cl. 514-21.000.
Arai, Kozo; Suzuki, Takao; and Umetsu, Syozo, to Showa Aluminum Corporation. Aluminum alloy foil for cathode of electrolytic capacitors. 4,800,133, 1-24-89, Cl. 428-606.000.
Arai, Kunio; Nishiyama, Hiromi; Aoyama, Hiroshi; and Kanaya, Yasuhiko, to Hitachi Seiko Ltd. Method of drilling printed circuit board. 4,872,787, 10-10-89, Cl. 408-1.00R.
Arai, Makoto R.; Gordon, David; and McAlpine, Laura E., to University of Illinois, The Board of Trustees of. Apparatus for monitoring cardiovascular regulation using heart rate power spectral analysis. 4,832,038, 5-23-89, Cl. 128-670.000.
Arai, Masakazu; and Tanaka, Masahiro, to Mitsubishi Yuka Badische Co., Ltd. Method of preparing a foamed molded article and blow-filling gun apparatus for use therein. 4,818,451, 4-4-89, Cl. 264-40.300.
Arai, Masanobu, to NEC Corporation. Echo canceller for bidirectional transmission on two-wire subscriber lines. 4,888,762, 12-19-89, Cl. 370-32.100.
Arai, Masanori: *See—*
Yamamoto, Takeshi; and Arai, Masanori, 4,885,845, Cl. 33-544.500.
Arai, Masao, to Akebono Brake Industry Co., Ltd.; and Akebono Research and Development Centre Ltd. Alloy for disk rotor. 4,859,414, 8-22-89, Cl. 420-15.000.
Arai, Masaru, to Nippon Wiperblade Co., Ltd. Wiperblade of windshield wiper. 4,794,664, 1-3-89, Cl. 15-250.420.
Arai, Masaru; and Saita, Itsuro, to Nippon Wiperblade Co., Ltd. Windshield wiper. 4,800,610, 1-31-89, Cl. 15-250.210.

Arai, Masaru; and Saita, Itsuro, to Nippon Wiperblade Co., Ltd. Backing member in wiperblade of windshield wiper. 4,807,326, 2-28-89, Cl. 15-250.420.

Arai, Masaru, to Nippon Wiperblade Co., Ltd. Wiperblade of windshield wiper. 4,866,812, 9-19-89, Cl. 15-250.320.

Arai, Masaru: *See*—

Hozumi, Kazuhiro; Arai, Masaru; and Saito, Yoshitane, 4,889,164, Cl. 137-625.640.

Arai, Masashi; and Ogawa, Ryuichi, to Sanyo Electric Co., Ltd. PLL circuit for generating output signal synchronized with input signal by switching frequency dividing ratio. 4,870,684, 9-26-89, Cl. 381-7.000.

Arai, Masashi: *See*—

Ishikawa, Tsutomu; Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishiguro, Kazuhisa; and Arai, Masashi, 4,864,637, Cl. 455-205.000.

Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,809,328, Cl. 381-13.000.

Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,852,167, Cl. 381-13.000.

Arai, Masatoshi; Satoh, Shinichi; and Fujioka, Kazutoshi, to Shin-Etsu Chemical Co., Ltd. Organosilicon compound. 4,801,725, 1-31-89, Cl. 556-434.000.

Arai, Masatoshi; and Kimura, Tsuneo, to Shin-Etsu Chemical Co., Ltd. Novel organosilane compounds. 4,845,259, 7-4-89, Cl. 556-440.000.

Arai, Masumi: *See*—

Ootsuka, Yoshinori; Atsumi, Kinya; Arai, Masumi; and Hattori, Tadashi, 4,879,139, Cl. 427-38.000.

Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,847,189, Cl. 430-567.000.

Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,861,702, Cl. 430-564.000.

Yoshida, Eiji; Suzuki, Akio; Nagasaki, Satoru; Arai, Masumi; Metoki, Iku; and Sakuma, Haruhiko, 4,801,526, Cl. 430-567.000.

Arai, Michio, to Toyo Bussan Kabushiki Kaisha. Electromagnetic wave shielding laminate. 4,863,789, 9-5-89, Cl. 428-253.000.

Arai, Michio. Shield mounting assembly for a safety helmet. 4,866,792, 9-19-89, Cl. 2-424.000.

Arai, Mikiro; Funayama, Osamu; Nishii, Hayato; and Isoda, Takeshi, to Tao Nenryo Kogyo K.K. High-purity silicon nitride fibers. 4,818,611, 4-4-89, Cl. 428-364.000.

Arai, Mikiro; Isoda, Takeshi; and Itoh, Takuji, to Toa Nenryo Kogyo Kabushiki Kaisha. Inorganic polysilazane and method of producing the same. 4,840,778, 6-20-89, Cl. 423-324.000.

Arai, Mikiro; Funayama, Osamu; Tashiro, Yuuji; and Isoda, Takeshi, to Toa Nenryo Kogyo Kabushiki Kaisha. Polymetalosilazane and process for preparing same. 4,886,860, 12-12-89, Cl. 525-474.000.

Arai, Mikiro: *See*—

Funayama, Osamu; Arai, Mikiro; and Isoda, Takeshi, 4,861,569, Cl. 423-324.000.

Funayama, Osamu; Arai, Mikiro; Nishii, Hayato; and Isoda, Takeshi, 4,869,858, Cl. 264-65.000.

Isoda, Takeshi; and Arai, Mikiro, 4,795,622, Cl. 423-324.000.

Arai, Mitsuhiro: *See*—

Kawasaki, Satoshi; Arai, Mitsuhiro; and Namiki, Yasuomi, 4,827,360, Cl. 360-64.000.

Arai, Mitsutaka: *See*—

Kaneko, Tadashi; Kobayashi, Yoshiaki; and Arai, Mitsutaka, 4,828,951, Cl. 430-47.000.

Arai, Mitutaka: *See*—

Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; and Matsubara, Akitoshi, 4,882,258, Cl. 430-108.000.

Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; Yuri, Hideki; Shiohara, Tomoo; and Oyama, Yasuhiko, 4,883,734, Cl. 430-109.000.

Arai, Naoto; Nojima, Masaharu; and Mandoh, Ritsuo, to Kanzaki Paper Manufacturing Co., Ltd. Heat-sensitive recording material with heat-sensitive color developing layer containing prismatic calcium carbonate. 4,882,310, 11-21-89, Cl. 503-207.000.

Arai, Noboru: *See*—

Tajima, Kenji; and Arai, Noboru, 4,799,591, Cl. 206-455.000.

Tajima, Kenji; Takahashi, Motoaki; Watanabe, Hideo; Shoji, Takashi; and Arai, Noboru, 4,853,724, Cl. 354-277.000.

Arai, Nobukatsu; Sekine, Yoshihito; Osawa, Tadao; Tokuda, Hiroatsu; Usui, Toshifumi; and Tsutsui, Mitsukuni, to Hitachi, Ltd. Hot-wire type air flow meter and an internal combustion engine with the same. 4,887,577, 12-19-89, Cl. 123-494.000.

Arai, Nobushige, to Sharp Kabushiki Kaisha. Selective absorption film of a solar heat collector. 4,889,601, 12-26-89, Cl. 204-37.100.

Arai, Norikazu, to Konishiroku Photo Industry Co., Ltd. Projection lens for television projector. 4,889,417, 12-26-89, Cl. 350-432.000.

Arai, Norikazu: *See*—

Ueda, Kiichirou; and Arai, Norikazu, 4,838,670, Cl. 350-432.000.

Arai, Noritoshi: *See*—

Tanahashi, Haruhiko; and Arai, Noritoshi, 4,822,073, Cl. 280-673.000.

Arai, Osamu: *See*—

Iizuka, Nobuyuki; Hisano, Katsukuni; Wada, Katsuo; Hirose, Fumiyuki; and Arai, Osamu, 4,829,764, Cl. 60-39.230.

Arai, Ryuichi: *See*—

Hasegawa, Kenji; Higuma, Masahiko; Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; and Morohoshi, Naoya, 4,832,984, Cl. 427-161.000.

Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.

Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.

Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, Cl. 428-332.000.

Arai, Ryuichiro: *See*—

Imai, Hitoshi; Arai, Ryuichiro; Koyanagi, Kimiyuki; and Tadokoro, Michihiro, 4,841,507, Cl. 369-44.000.

Arai, Saitama: *See*—

Hosaka, Takefumi; Arai, Saitama; and Matsui, Hiroki, 4,809,175, Cl. 364-424.000.

Arai, Seizou; Fukumoto, Kikuo; Sunaga, Seizo; and Izumida, Kouji, to Topy Kogyo Kabushiki Kaisha. Conveyer hanger for use in electrostatic painting. 4,823,733, 4-25-89, Cl. 118-630.000.

Arai, Shigeru, to Fujitsu Limited. Apparatus for recording and reading an optical disk, having reduced offset in its tracking error signal. 4,855,983, 8-8-89, Cl. 369-46.000.

Arai, Shigeru, to Fujitsu Limited. Focusing and tracking servo system for controlling the projection of an optical beam on an optical disk. 4,888,752, 12-19-89, Cl. 369-44.000.

Arai, Shigeyoshi; Kamioka, Masatsugu; Ishikawa, Yo-ichi; Isomura, Shohei; and Sugita, Kyoko, to Rikagaku Kenkyusho; and Shin-Etsu Chemical Co., Ltd. Working substances used in laser isotope separation and method of laser isotope separation. 4,824,537, 4-25-89, Cl. 204-157.220.

Arai, Shinichi: *See*—

Takasago, Masahiro; and Arai, Shinichi, 4,853,915, Cl. 369-32.000.

Arai, Shinji: *See*—

Ikegawa, Sumio; Komatsu, Shuichi; Arai, Shinji; Ashida, Sum and Yasuda, Nobuaki, 4,839,861, Cl. 365-113.000.

Ikegawa, Sumio; Hori, Akio; Komatsu, Shuichi; Arai, Shinji; and Yasuda, Nobuaki, 4,855,992, Cl. 369-275.000.

Arai, Shunji: *See*—

Ohtsu, Shinji; Arai, Shunji; and Takamatsu, Yoshimitsu, 4,833,4 Cl. 335-212.000.

Arai, Sohichi: *See*—

Mori, Kenji; Morita, Kazuyoshi; Takemoto, Shizume; Naga Hisanao; Ohtani, Yasuhisa; Matsui, Masashi; and Arai, Sohichi, 4,826,818, Cl. 514-21.000.

Arai, Susumu, to Tokico Ltd. Hydraulic shock absorber with piston ro position detecting means. 4,883,150, 11-28-89, Cl. 188-289.000.

Arai, Tadashi; and Mikami, Yuzuru, to Arai, Tadashi. Novel saframyc A derivatives and process for producing the same. 4,837,149, 6-6-8 Cl. 435-119.000.

Arai, Takami: *See*—

Hamamoto, Kimihiko; Tokashiki, Michiyuki; Ichikawa, Yas Arai, Takami; and Ishimaru, Kenji, 4,814,278, Cl. 435-286.00

Arai, Takao: *See*—

Furuhata, Takashi; Yumde, Yasufumi; Okamura, Fujio; Nogu Takaharu; Shibuya, Toshifumi; Mohri, Katsuo; Arai, Takao; and Terada, Toshimichi, 4,843,493, Cl. 360-77.150.

Kobayashi, Masaharu; and Arai, Takao, 4,823,207, Cl. 360-32.00

Arai, Takashi; Kawano, Katsuo; and Okajima, Hidekazu, to Canon Kabushiki Kaisha. Multi-layer resin molded article and method of making the same. 4,805,991, 2-21-89, Cl. 350-255.000.

Arai, Takashi; and Kawano, Katsuo, to Canon Kabushiki Kaisha. Lens barrel made by injection molding. 4,826,424, 5-2-89, Cl. 425-542.00

Arai, Takashi, to Canon Kabushiki Kaisha. Metal mold structure for molding multi-layer resin. 4,840,553, 6-20-89, Cl. 425-129.100.

Arai, Takashi; Maruyama, Yutaka; and Fuchi, Ikuo, to Canon Kabushiki Kaisha. Pressure fixing roller and a pressure fixing device. 4,848,225, 7-18-89, Cl. 100-176.000.

Arai, Takayoshi: *See*—

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,804,604, Cl. 430-57.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,818,655, Cl. 430-60.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,824,749, Cl. 430-66.000.

Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takeshi; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, to Nissan Motor Co., Ltd.; and Atsugi Motor Parts Co., Ltd. Variable compression control arrangement for internal combustion engine. 4,809,650, 3-7-89, Cl. 123-78.00B.

Arai, Takayuki: *See*—

Akasaka, Hidemichi; Komasaki, Hisayuki; and Arai, Takayuki, 4,801,539, Cl. 435-101.000.

Arai, Takeshi, to Yoshida Kogyo K. K. Fastener conveying apparatus for fastener assembling machine. 4,830,255, 5-16-89, Cl. 227-116.00

Arai, Takuya, to Fuji Photo Film Co., Ltd. Lens-fitted photographic film package. 4,804,987, 2-14-89, Cl. 354-219.000.

Arai, Takuya; Yoshiura, Keiichi; and Nozawa, Isao, deceased (Nozawa, Yoshiko, heir), to Fuji Photo Film Co., Ltd. Ca 4,866,470, 9-12-89, Cl. 354-288.000.

Arai, Tatsuo: *See*—

Tsujimura, Osamu; and Arai, Tatsuo, 4,808,044, Cl. 407-42.00

Tsujimura, Osamu; Saito, Takayoshi; Arai, Tatsuo; and Fu Yasuzo, 4,808,045, Cl. 408-204.000.

Tsujimura, Osamu; Arai, Tatsuo; and Hiyama, Nobuo, 4,844 Cl. 407-34.000.

Tsujimura, Osamu; Arai, Tatsuo; and Saito, Takayoshi, 4,844 Cl. 408-188.000.

Tsujimura, Osamu; Arai, Tatsuo; and Okawa, Masayuki, 4,883,391, Cl. 407-40.000.

Arai, Tetsuji, to Ushio Denki Kabushiki Kaisha. Method of treating photoresists. 4,840,876, 6-20-89, Cl. 430-328.000.

Arai, Tetsuji, to Ushio Denki Kabushiki Kaisha. Method of treating photoresists. 4,842,992, 6-27-89, Cl. 430-328.000.

Arai, Tetsuji: *See*—

Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,841,342, Cl. 355-71.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,882,263, Cl. 430-328.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,888,271, Cl. 430-328.000.

Arai, Tetsuyuki; Takemoto, Shigeru; and Fujimori, Yoshihiko, to Nikon Corporation. Mask inspecting apparatus. 4,870,693, 9-26-89, Cl. 382-8.000.

Arai, Tetsuzo: *See*—

Kawashima, Hisakazu; Morita, Yoshiyasu; Nishihara, Minoru; Arai, Tetsuzo; and Fukui, Kunihiro, 4,871,194, Cl. 285-55.000.

Arai, Tohru; Fujita, Hironori; Sugimoto, Yoshihiko; Ohta, Yukio; Moriyama, Shigeo; and Sato, Akira, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Method for the surface treatment of an iron or iron alloy article. 4,818,351, 4-4-89, Cl. 204-39.000.

Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Method of surface treatment and apparatus used therefor. 4,844,949, 7-4-89, Cl. 427-213.000.

Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Fluidized bed method of forming a nitride or carbonitride layer. 4,871,401, 10-3-89, Cl. 148-14.000.

Arai, Tohru: *See*—

Ohta, Yukio; Moriyama, Shigeo; Sato, Akira; Arai, Tohru; Fujita, Hironori; and Sugimoto, Yoshihiko, 4,804,445, Cl. 204-39.000.

Arai, Tokuma: *See*—

Onizuka, Masakazu; Tatani, Atsushi; Yamada, Katsuhiko; Hino, Masao; Maeda, Nobutaka; and Arai, Tokuma, 4,818,445, Cl. 261-87.000.

Arai, Tomio; and Kuru, Hiroshi, to Konica Corporation. Toner density control apparatus. 4,801,980, 1-31-89, Cl. 355-14.00D.

Arai, Tomio: *See*—

Kuru, Hiroshi; and Arai, Tomio, 4,833,506, Cl. 355-208.000.

Arai, Tomohisa: *See*—

Tanaka, Shigenobu; and Arai, Tomohisa, 4,881,169, Cl. 364-200.000.

Arai, Toru: *See*—

Toyama, Toshio; Kato, Kazuya; Tanaka, Tadamasa; Yajima, Masashi; Hayasaka, Harutaka; Arai, Toru; and Terada, Hitoshi, 4,847,465, Cl. 219-85.100.

Arai, Toyoichi: *See*—

Yamakawa, Masahiro; Arai, Toyoichi; and Nitta, Kiyosi, 4,818,781, Cl. 524-407.000.

Arai, Yasuhiro: *See*—

Kaku, Takashi; and Arai, Yasuhiro, 4,868,850, Cl. 375-13.000.

Arai, Yasuhisa: *See*—

Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Kubota, Shin'ichi; Matsumoto, Yukihiro; Arai, Yasuhisa; and Hosaka, Takefumi, 4,843,550, Cl. 364-424.100.

Arai, Yasuji: *See*—

Ikemoto, Hiroyuki; Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; and Doi, Shunichi, 4,821,188, Cl. 364-424.100.

Ikemoto, Hiroyuki; Arai, Yasuji; Yasuike, Osamu; Oowa, Nobutaka; and Doi, Shunichi, 4,821,191, Cl. 364-424.100.

Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; Ikemoto, Hiroyuki; and Doi, Shunichi, 4,809,176, Cl. 364-424.000.

Yasuike, Osamu; Arai, Yasuji; Ikemoto, Hiroyuki; Owa, Nobutaka; and Doi, Shunichi, 4,803,627, Cl. 364-424.050.

Arai, Yasunari: *See*—

Nishimoto, Hiroshi; Touge, Takashi; Okiyama, Tadashi; Kuwata, Naoki; and Arai, Yasunari, 4,884,278, Cl. 372-26.000.

Arai, Yasunori; Yoshida, Kazushi; and Iizuka, Takashi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Color separation optical reading apparatus. 4,819,035, 4-4-89, Cl. 355-55.000.

Arai, Yasunori; and Minefuji, Nobutaka, to Asahi Kogaku Kogyo Kabushiki Kaisha. Zoom lens for use in copying. 4,832,465, 5-23-89, Cl. 350-425.000.

Arai, Yasunori, to Asahi Kogaku Kogyo Kabushiki Kaisha. Reflecting-/refractive optical system. 4,840,472, 6-20-89, Cl. 350-442.000.

Arai, Yasuo: *See*—

Matsuura, Sadaji; Arai, Yasuo; Aoki, Shigeki; and Ando, Satoru, 4,812,169, Cl. 106-15.050.

Arai, Yoji: *See*—

Yasuda, Makoto; Miyashita, Tsune; Murayama, Seiichi; Arai, Yoji; and Yamada, Fuzio, 4,803,406, Cl. 315-174.000.

Arai, Yoshi: *See*—

Takehara, Sadao; Fujisawa, Toru; Arai, Yoshi; and Kurokawa, Jitsuo, 4,828,754, Cl. 252-299.650.

Arai, Yoshiaki: *See*—

Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, 4,882,200, Cl. 430-191.000.

Arai, Yoshihiro; Yasunaga, Tadashi; and Shirahata, Ryuji, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,835,068, 5-30-89, Cl. 428-694.000.

Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, to Mitutoyo Mfg. Co., Ltd. Variable capacitance type encoder. 4,843,387, 6-27-[illegible] Cl. 340-870.370.

Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, to Mitutoyo Mfg. Co., Ltd. Variable capacitance type encoder. 4,879,552, 11-7-89, Cl. 340-870.370.

Arai, Yoshihiro, to Ricoh Company, Ltd. Facsimile machine having retransmission function. 4,887,162, 12-12-89. Cl. 358-400.000.

Arai, Yoshihiro: *See*—

Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, 4,862,170, Cl. 341-144.000.

Arai, Yoshihisa: *See*—

Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,882,447 Cl. 556-40.000.

Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,886,894, Cl. 556-40.000.

Arai, Yoshimasa; Enamito, Satoshi; and Oda, Noriyuki, to Asahi Glass Company Ltd. Apparatus and method for treating an exhaust gas from a diesel engine. 4,875,335, 10-24-89, Cl. 60-274.000.

Arai, Yoshinobu: *See*—

Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, 4,829,078, Cl. 514-397.000.

Imaki, Katsuhiro; Arai, Yoshinobu; and Ohno, Hiroyuki, 4,843,094, Cl. 514-518.000.

Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, 4,888,351, Cl. 514-397.000.

Nakai, Hisao; Terashima, Hiroshi; and Arai, Yoshinobu, 4,863,963, Cl. 514-563.000.

Toda, Masaaki; Miyamoto, Tumoru; and Arai, Yoshinobu, 4,847,275, Cl. 514-382.000.

Arai, Yoshio, to Tachi-S Co., Ltd. Structure for fixing the terminal end of a trim cover assembly in an automotive seat. 4,867,507, 9-19-89, Cl. 297-218.000.

Arai, Yoshio: *See*—

Akiba, Kouji; Kitajima, Akira; and Arai, Yoshio, 4,800,285, Cl. 250-554.000.

Kimura, Ippo; Okumura, Naoyuki; Aruga, Tomoe; and Arai, Yoshio, 4,882,644, Cl. 360-104.000.

Kobayashi, Hideo; and Arai, Yoshio, 4,840,428, Cl. 297-408.000.

Arai, Yoshitaka: *See*—

Uemura, Isao; Takagaki, Yasuo; Arai, Yoshitaka; and Ami, Isamu, 4,830,867, Cl. 426-557.000.

Arai, Youichi: *See*—

Mugiya, Hiroshi; Hasegawa, Mitsuo; and Arai, Youichi, 4,868,639, Cl. 357-74.000.

Arai, Yukoh: *See*—

Takayama, Kenichiro; Arai, Yukoh; Tomohiro, Susumu; and Shirasuna, Shizuko, 4,849,354, Cl. 435-133.000.

Arai, Yutaka: *See*—

Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, 4,822,934, Cl. 585-25.000.

Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, 4,889,952, Cl. 562-460.000.

Arai, Yuuichi: *See*—

Shinroku, Nakao; Ishikura, Takashi; and Arai, Yuuichi, 4,828,278, Cl. 280-644.000.

Arakaki, Clifford S. Personalized loose-leaf album cover. 4,828,421, 5-9-89, Cl. 403-3.000.

Arakaki, Steven Y. Backpack carrier and shield. 4,830,245, 5-16-89, Cl. 224-210.000.

Arakawa Chemical Industries, Ltd.: *See*—

Matsuo, Kohtaro; Ezaki, Youichirou; Tobe, Akihiro; Yamazaki, Satoshi; Enda, Kozue; and Kitsukawa, Mariko, 4,883,822, Cl. 514-680.000.

Nakajima, Masato; Otsuki, Toshiaki; and Ikeda, Atsushi, 4,842,691, Cl. 162-158.000.

Tsuchida, Seiichi; and Ishimoto, Tsukasa, 4,822,526, Cl. 260-103.000.

Arakawa, Hajime; Yamaoka, Osamu; Kobayashi, Shinichi; Okumura, Kunio; and Morishita, Kanichi, to Murata Manufacturing Co., Ltd. High voltage capacitor. 4,814,938, 3-21-89, Cl. 361-302.000.

Arakawa, Hideki, to Fujitsu Limited. Semiconductor random access nonvolatile memory device with restore and control circuits. 4,799,194, 1-17-89, Cl. 365-154.000.

Arakawa, Hideki, to Fujitsu Limited. Semiconductor nonvolatile memory device. 4,800,533, 1-24-89, Cl. 365-228.000.

Arakawa, Hideki; and Kawashima, Hiromi, to Fujitsu Limited. Semiconductor memory circuit including bias voltage generator. 4,817,055, 3-28-89, Cl. 365-189.000.

Arakawa, Hideki, to Fujitsu Limited. Semiconductor non-volatile memory with cut-off circuit when leakage occurs. 4,878,203, 10-31-89, Cl. 365-226.000.

Arakawa, Hideo: *See*—

Ninomiya, Yoshiki; Sugimoto, Gunji; Hongo, Takero; Watanabe, Keiichi; and Arakawa, Hideo, 4,809,178, Cl. 364-443.000.

Arakawa, Hiroshi: *See*—

Sakoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Sekigawa, Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, 4,796,024, Cl. 340-825.440.

Arakawa, Jun: *See*—

Ichijima, Seiji; Shimada, Yasuhiro; and Arakawa, Jun, 4,837,136, Cl. 430-543.000.

Arakawa Kagaku Kogyo Kabushiki Kaisha: *See*—

Maeda, Masao; and Kodama, Yoshihiro, 4,847,010, Cl. 530-216.000.

Oseto, Osamu; and Yamada, Nobuo, 4,814,249, Cl. 430-109.000.

Yoshimoto, Nobuyuki; Iemura, Hirobumi; Oseto, Osamu; and Yamada, Nobuo, 4,863,825, Cl. 430-109.000.

Arakawa, Kaneyasu: *See—*

Yukitomo, Kazuo; Anan, Yoshiaki; Hattori, Masaichi; Arakawa, Kaneyasu; Hanaki, Akira; and Kihira, Koichi, 4,801,770, Cl. 200-61.270.

Arakawa, Kazuhiko; and Kobayashi, Ryuichi, to Canon Kabushiki Kaisha. Power focus device in a camera. 4 864,344, 9-5-89, Cl. 354-400.000.

Arakawa, Kazumi: *See—*

Aiba, Yoshiro; Arakawa, Kazumi; Watanabe, Takashi; and Kawai, Kazuhide, 4,857,488, Cl. 501-89.000.

Arakawa, Kohei; and Ohsaki, Takashi, to Nikkiso Co., Ltd. Process for preparing carbon fibers in gas phase growth. 4,876,078, 10-24-89, Cl. 423-447.300.

Arakawa, Kuniaki: *See—*

Matsushima, Seiya; Yanagisawa, Takeshi, Miura, Nobuo; and Arakawa, Kuniaki, 4,838,113, Cl. 74-551.800.

Arakawa, Masato: *See—*

Amagase, Harunobu; Arakawa, Masato; and Hashimoto, Ken, 4,863,902, Cl. 514-12.000.

Arakawa, Masayasu: *See—*

Nozaki, Hiroyoshi; Aida, Zenichi; Hara, Hirofumi; Satake, Toshihiko; Mitsuyoshi, Hiroshi; Arakawa, Masayasu; and Hatanaka, Koji, 4,822,647, Cl. 427-421.000.

Arakawa, Masayuki: *See—*

Machida, Minoru; and Arakawa, Masayuki, 4,853,226, Cl. 424-426.000.

Segawa, Masao; and Arakawa, Masayuki, 4,858,064, Cl. 361-302.000.

Arakawa, Mitsuaki; and Nichols, Brenda G., to University of California, The Regents of the. Enhanced decoupling of MRI RF coil pairs during RF tuning of MRI RF transmit coil. 4,855,680, 8-8-89, Cl. 324-314.000.

Arakawa, Mitsuaki: *See—*

Kaufman, Leon; Arakawa, Mitsuaki; McCarten, Barry M.; Fehn, John H.; and Krasnor, Stephen, 4,881,034, Cl. 324-318.000.

Arakawa, Motoomi: *See—*

Kiriu, Takashi; and Arakawa, Motoomi, 4,845,003, Cl. 430-110.000.

Tada, Akihiro; Kiriu, Takashi; and Arakawa, Motoomi, 4,855,208, Cl. 430-110.000.

Arakawa, Noriyuki: *See—*

Hojo, Sadamune; Iwamoto, Toshiyuki; Arakawa, Noriyuki; and Narita, Terutaka, 4,863,199, Cl. 285-232.000.

Arakawa, Satoshi; Miyahara, Junji; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Radiation image storage panel. 4,800,136, 1-24-89, Cl. 428-690.000.

Arakawa, Satoshi; and Nonomura, Masamitu, to Fuji Photo Film Co., Ltd. Radiation image storage panel. 4,835,397, 5-30-89, Cl. 250-484.100.

Arakawa, Satoshi; and Kohda, Katsuhiro, to Fuji Photo Film Co., Ltd. Radiation image storage panel having improved anti-static properties. 4,845,369, 7-4-89, Cl. 250-484.100.

Arakawa, Satoshi; Kitada, Akira; Yamazaki, Kikuo; Ohmiya, Kenji; and Kawagoe, Jun, to Fuji Photo Film Co., Ltd. Radiation image converting material. 4,855,191, 8-8-89, Cl. 428-690.000.

Arakawa, Satoshi; Waki, Masaharu; and Mori, Nobufumi, to Fuji Photo Film Co., Ltd. Radiation image storage panel. 4,863,826, 9-5-89, Cl. 430-138.000.

Arakawa, Satoshi; Hosoi, Yuichi; Takahashi, Kenji; Tamura, Kaoru; and Satome, Shigeru, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,883,961, 11-28-89, Cl. 250-327.200.

Arakawa, Satoshi: *See—*

Hosoi, Yuichi; Arakawa, Satoshi; Ishizaka, Hideo; Matsuda, Terumi; and Takahashi, Kenji, 4,864,134, Cl. 250-327.200.

Hosoi, Yuichi; Arakawa, Satoshi; and Takahashi, Kenji, 4,879,202, Cl. 430-139.000.

Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,849,633, Cl. 250-327.200.

Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,868,387, Cl. 250-327.200.

Arakawa, Tadao; Hashimoto, Tsuguo; and Kawauchi, Akihiro, to Hitachi, Ltd. Reheat type waste heat recovery boiler and power generation plant. 4,858,562, 8-22-89, Cl. 122-7.00R.

Arakawa, Takahiko, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit device. 4,825,273, 4-25-89, Cl. 357-42.000.

Arakawa, Takahiko: *See—*

Kuramitsu, Yoichi; and Arakawa, Takahiko, 4,853,757, Cl. 357-45.000.

Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; Tomioka, Ichiro; and Arakawa, Takahiko, 4,856,002, Cl. 371-21.000.

Tomioka, Ichiro; Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; and Arakawa, Takahiko, 4,870,345, Cl. 371-22.300.

Arakawa, Toyomi: *See—*

Okumoto, Yutaka; Arakawa, Toyomi; and Katoh, Mamoru, 4,867,734, Cl. 493-48.000.

Arakawa, Tsutomu, to Amgen. Method for purifying interferon and composition of matter produced thereby. 4,873,312, 10-10-89, Cl. 530-351.000.

Arakawa, Yoshiaki: *See—*

Naitoh, Kazumi; Arakawa, Yoshiaki; and Ikezaki, Takashi, 4,797,789, Cl. 361-525.000.

Naitoh, Kazumi; and Arakawa, Yoshiaki, 4,888,666, Cl. 361-512.000.

Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shoji; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasunobu; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.

Arakawa, Yuji: *See—*

Katto, Hisao; Sugiura, June; Horino, Nozomi; Endo, Akira; Takeuchi, Yoshiharu; and Arakawa, Yuji, 4,830,977, Cl. 437-52.000.

Araki, Akihiko, to Japan Electronic Control Systems Company, Limited. Spark ignition timing control system for internal combustion engine with acceleration responsive spark advance retarding control. 4,870,935, 10-3-89, Cl. 123-422.000.

Araki, Fujio: *See—*

Kobayashi, Hisataka; Araki, Fujio; and Ohtani, Yoshihiro, 4,890,057, Cl. 324-140.00D.

Araki, Hiroaki; Ejiri, Kiyomi; and Ohya, Takao, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,885,208, 12-5-89, Cl. 428-403.000.

Araki, Hiroaki: *See—*

Ejiri, Kiyomi; Araki, Hiroaki; Matsufuji, Akihiro; and Kasuga, Akira, 4,801,505, Cl. 428-404.000.

Nakatsuka, Shin-ichi; Hayashi, Masatoshi; Yokomori, Sadakazu; Nakashima, Yoshimoto; Hatayama, Katsuo; and Araki, Hiroaki, 4,883,876, Cl. 546-51.000.

Ogawa, Hiroshi; Saito, Shinji; Miura, Toshihiko; Yamazaki, Nobuo; and Araki, Hiroaki, 4,851,289, Cl. 428-329.000.

Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, 4,803,131, Cl. 428-694.000.

Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, 4,806,417, Cl. 428-323.000.

Araki, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Voltage converter apparatus. 4,847,744, 7-11-89, Cl. 363-49.000.

Araki, Hiroshi; Ishii, Hisao; Akiyama, Yoshihisa; Kamada, Hiroshi; and Nagatomi, Takashi, to Fanuc Ltd. Tool exchange system for machining tools. 4,870,744, 10-3-89, Cl. 29-568.000.

Araki, Hiroshi: *See—*

Imoto, Katsuyuki; Maeda, Minoru; Kameyama, Masayoshi; Ikuta, Yasushi; Araki, Hiroshi; and Oho, Shigeru, 4,842,359, Cl. 350-96.160.

Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yosh[illegible]; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.

Sonobe, Hisao; Makino, Junichi; Oho, Shigeru; Matsumoto, Masahiro; Kitano, Kouji; and Araki, Hiroshi, 4,796,993, Cl. 356-350.000.

Araki, Hiroyuki: *See—*

Oshima, Yasuji; Araki, Hiroyuki; and Kaneko, Yoshinobu, 4,837,147, Cl. 435-68.000.

Araki, Hitoshi: *See—*

Miya, Yasuhiro; Sawada, Kouji; Tanabe, Masato; Araki, Hitoshi; and Nanno, Takanobu, 4,844,430, Cl. 267-140.100.

Araki, Junichi; Saito, Nobuhiro; Tezuka, Hidenori; and Saito, Masuhiro, to Honda Giken Kogyo Kabushiki Kaisha. Toothed belt. 4,840,608, 6-20-89, Cl. 474-205.000.

Araki, Kazuhiko; Kuroda, Tsuyoshi; Uemori, Satoru; Moriguchi, Akihiko; and Ikeda, Yoshifumi, to Yoshitomi Pharmaceutical Industries, Ltd. Quinolonecarboxylic acid compounds and pharmaceutical use thereof. 4,889,857, 12-26-89, Cl. 514-235.200.

Araki, Kazuhiro, to Minolta Camera Kabushiki Kaisha. Heated roller temperature control system. 4,868,368, 9-19-89, Cl. 219-216.000.

Araki, Kazuhiro; and Mishima, Nobuhiro, to Minolta Camera Kabushiki Kaisha. Image forming apparatus for selective copying of segmented areas of an image. 4,888,615, 12-19-89, Cl. 355-200.000.

Araki, Kazunori; Hayashi, Masayuki; Yamaguchi, Shogo; and Hanada, Munehiro, to Mitsubishi Jukogyo Kabushiki Kaisha. Equipment for handling various containers. 4,807,421, 2-28-89, Cl. 53-167.000.

Araki, Kazunori: *See—*

Tazuke, Hisashi; Araki, Kazunori; Yamaguchi, Shogo; Nakamura, Sueshige; and Abe, Sadahiro, 4,807,673, Cl. 141-57.000.

Yamaguchi, Shogo; Araki, Kazunori; Tazuke, Hisashi; Murasaki, Masayuki; and Ito, Hirofumi, 4,856.563, Cl. 141-1.000.

Yamaguchi, Shogo; Araki, Kazunori; and Tazuke, Hisashi, 4,860,802, Cl. 141-6.000.

Araki, Kazuo; Matsumoto, Seiji; Kobayashi, Yoshio; and Fukushima, Hisao, to Shigeru Kogyo Kabushiki Kaisha. Vacuum forming method. 4,847,034, 7-11-89, Cl. 264-550.000.

Araki, Kenji: *See—*

Ohmura, Masanori; Sakama, Hiroshi; Araki, Kenji; Kamio, Hiroshi; and Shima, Yoshinobu, 4,848,272, Cl. 118-725.000.

Ohmura, Masanori; Sakama, Hiroshi; and Araki, Kenji, 4,858,55[illegible], Cl. 118-725.000.

Araki, Kouichi: *See—*

Konno, Kazuhiko; Araki, Kouichi; Sasaki, Norio; Endo, Keiji; Hikido, Mitsuru; and Sugaya, Kiyoshi, 4,816,064, Cl. 71-93.000.

Araki, Kunihiko; Kobayashi, Mikio; Terui, Hiroshi; and Nishida, Tohru, to Ricoh Company, Ltd. Position control device for use in a camera. 4,835,558, 5-30-89, Cl. 354-156.000.

Araki, Masakatsu; Haraguchi, Hideaki; Tsujimura, Shinichirou; and Iwanaga, Kouichi, to Matsushita Electric Works, Ltd. Hair clipper. 4,825,546, 5-2-89, Cl. 30-201.000.

Araki, Masakatsu: *See—*

Fujikawa, Shouji; Araki, Masakatsu; Kumano, Fumihiro; and Tsujimura, Shinichirou, 4,888,870, Cl. 30-233.500.

Araki, Masami: *See—*

Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.

Araki, Masatada; and Kuroyama, Yutaka, to Nippon Oil and Fats Company, Limited. High hardness composite sintered compact. 4,837,089, 6-6-89, Cl. 428-552.000.

Araki, Masatada; Kuroyama, Yutaka; Takeuchi, Yukihisa; Takagi, Makoto; Kawamura, Yoshihito; and Imura, Toru, to Nippon Oil & Fats Co., Ltd. Amorphous metal-metal composite article and a method for producing the same. 4,857,414, 8-15-89, Cl. 428-612.000.

Araki, Nobuhiro: *See—*

Sato, Takeo; Araki, Nobuhiro; Kawata, Koichi; Nomura, Noboru; Ueno, Atushi; and Yoshida, Shotaro, 4,861,148, Cl. 350-505.000.

Takata, Naoto; Kanai, Seita; Araki, Nobuhiro; and Udo, Tadashi, 4,815,755, Cl. 280-690.000.

Araki, Satoshi: *See—*

Miyasaka, Akihiro; Ogawa, Hiroyuki; Homma, Hiroyuki; Kitaguchi, Saburo; Morimoto, Hiroshi; and Araki, Satoshi, 4,844,863, Cl. 419-8.000.

Araki, Seiichi; Suzuki, Mamoru; Iwasaki, Tetsuji; and Hioki, Yuichi, to Eisai Co., Ltd.; and Kao Corporation. Bactericidal composition. 4,868,217, 9-19-89, Cl. 514-642.000.

Araki, Seiichi: *See—*

Koyama, Noritoshi; Ikeuchi, Takayuki; Araki, Seiichi; Kitoh, Kyosuke; and Ida, Katsumi, 4,839,389, Cl. 514-724.000.

Araki, Shigeo: *See—*

Watanabe, Kazuo; Kohri, Shumpei; and Araki, Shigeo, 4,802,128, Cl. 365-203.000.

Araki, Shin: *See—*

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Araki, Shingo; Tsuchiya, Kikuo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, to Dainippon Ink and Chemicals, Inc. Thermosensitive recording sheet. 4,843,058, 6-27-89, Cl. 503-209.000.

Araki, Shingo: *See—*

Tsuchiya, Kikuo; Araki, Shingo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,885,270, Cl. 503-209.000.

Araki, Shinichi: *See—*

Saito, Yoshinori; Araki, Shinichi; Sugita, Yoshio; and Kurata, Naoji, 4,831,189, Cl. 562-408.000.

Araki, Shintarou: *See—*

Miki, Hisaya; Araki, Shintarou; and Nitabaru, Masatoshi, 4,835,325, Cl. 568-771.000.

Araki, Shoji, to Sony Corp. Digital demodulator for AM or FM. 4,885,546, 12-5-89, Cl. 329-341.000.

Araki, Shoji: *See—*

Takeuchi, Kenichi; Saito, Shin; Araki, Shoji; and Nakayama, Atsushi, 4,881,253, Cl. 379-54.000.

Araki, Tetsuro: *See—*

Kubo, Mitsumasa; and Araki, Tetsuro, 4,845,498, Cl. 341-131.000.

Araki, Tokinori; and Asada, Masaharu, to Matsushita Refrigeration Company. Slide valve. 4,805,666, 2-21-89, Cl. 137-625.430.

Araki, Tomoo: *See—*

Yoshida, Mamoru; Nomoto, Tsutomu; Araki, Tomoo; and Watanabe, Tsukasa, 4,816,885, Cl. 357-23.700.

Araki, Tsunehiko: *See—*

Kirihata, Shinji; Araki, Tsunehiko; Yorifuji, Yuuki; Horii, Takashi; Matsuda, Hiroshi; and Himezawa, Hidekazu, 4,849,737, Cl. 340-567.000.

Araki, Tsuneo, to Kioritz Corporation. Muffler cover for internal combustion engine. 4,832,151, 5-23-89, Cl. 181-211.000.

Araki, Tsutomu: *See—*

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,837,564, Cl. 340-750.000.

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,849,747, Cl. 340-735.000.

Araki, Yasuo; Itoh, Tetsuya; Iwai, Shougo; and Fujii, Yoshihalu, to Sharp Kabushiki Kaisha. Shredding machine. 4,842,205, 6-27-89, Cl. 241-34.000.

Araki, Yoshitaka: *See—*

Ishiguro, Yasuaki; Nara, Yoshio; and Araki, Yoshitaka, 4,849,819, Cl. 358-213.130.

Araki, Yoshitsugu: *See—*

Kurihara, Toshihiko; Araki, Yoshitsugu; and Funabashi, Tadashi, 4,831,612, Cl. 369-75.200.

Araki, Yousai: *See—*

Sugimori, Yoshio; Araki, Yousai; Kurosaki, Tadao; and Urano, Joji, 4,882,628, Cl. 358-167.000.

Aralis, Frank M.: *See—*

Master, Barry S.; and Aralis, Frank M., 4,838,691, Cl. 356-319.000.

Aramaki, Hitoshi, to Fanuc Ltd. Digitizing method. 4,814,998, 3-21-89, Cl. 364-474.030.

Aramaki, Hitoshi: *See—*

Kishi, Hajimu; Matsui, Mitsuo; and Aramaki, Hitoshi, 4,803,633, Cl. 364-474.030.

Aramaki, Jun: *See—*

Shinkai, Masaru; Tanaka, Makoto; Aramaki, Jun; and Onizuka, Masaaki, 4,808,786, Cl. 219-69.00W.

Aramaki, Kunitsugu: *See—*

Kimura, Okitoshi; Ohsawa, Toshiyuki; Kabata, Toshiyuki; Nishihara, Hiroshi; and Aramaki, Kunitsugu, 4,837,096, Cl. 429-213.000.

Aramaki, Minoru; Kubo, Masahiro; Nakano, Hisaji; and Kurashige, Hiroyuki, to Central Glass Company, Limited. Method of forming coating film of fluororesin by physical vapor deposition. 4,863,762, 9-5-89, Cl. 427-255.600.

Aramaki, Yoshihiro, to Sharp Kabushiki Kaisha. Cooking apparatus for mounting on a wall. 4,796,850, 1-10-89, Cl. 248-674.000.

Aramaki, Yoshihiro: *See—*

Sumikama, Yoshimitsu; and Aramaki, Yoshihiro, 4,824,061, Cl. 248-225.200.

Arambepola, Bernard, to General Electric Company p.l.c., The. Azimuth processor for SAR system having plurality of interconnected processing modules. 4,879,559, 11-7-89, Cl. 342-25.000.

Arampoglou, Savvas: *See—*

Mang, Paul; and Arampoglou, Savvas, 4,834,659, Cl. 439-55.000.

Aran Arizot Nachshon: *See—*

Shalgi, Asaf; and Limon, Juval, 4,836,416, Cl. 222-48.000.

Arana, Thomas. Biopsy paddle with adjustable locator plate. 4,798,212, 1-17-89, Cl. 128-749.000.

Arand, Dale S.: *See—*

Anderson, Barry J.; and Arand, Dale S., 4,871,569, Cl. 426-489.000.

Aranda, John P. Hair retriever tub drain device. 4,825,477, 5-2-89, Cl. 4-286.000.

Aranda, Michael A.; Ebbers, Timothy J.; Iida, Yoshio; Lindgren, Terence W.; and Robertson, Taggart H., to International Business Machines Corporation. Multiple pixel generator. 4,878,182, 10-31-89, Cl. 364-518.000.

Arant, Gene W.: *See—*

Gotman, Alexander S., 4,869,139, Cl. 81-475.000.

Gotman, Alexander S., 4,874,275, Cl. 411-5.000.

Aranyi, Ernest: *See—*

Green, David T.; and Aranyi, Ernest, 4,881,544, Cl. 227-178.000.

Aranyi, Ernie: *See—*

Green, David T.; and Aranyi, Ernie, 4,869,414, Cl. 227-19.000.

Aranzabal, Luis Z., to Oficina de Investigacion Agrupada, S.A. Device for joining switches to support bases for irons. 4,815,992, 3-28-89, Cl. 439-620.000.

Arao, Kozo: *See—*

Nakagawa, Katsumi; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Kanai, Masahiro, 4,851,302, Cl. 428-658.000.

Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Murakami, Tsutomu, 4,888,062, Cl. 136-258.000.

Araoka, Manabu: *See—*

Ozawa, Koji; Araoka, Manabu; and Takaya, Soichi, 4,849,876, Cl. 364-200.000.

Arapova, Anna V.: *See—*

Akopov, Ernest M.; Schitinin, Valery E.; and Arapova, Anna V., 4,802,578, Cl. 206-339.000.

Araps, Constance J.; Kandetzke, Steven M.; and Takacs, Mark A., to International Business Machines Corporation. Electronic components comprising polymide dielectric layers. 4,871,619, 10-3-89, Cl. 428-473.500.

Arase, Akira; and Wada, Ichiro, to Okamura Corporation. Lifting down apparatus for a multi-stage shelf assembly. 4,799,843, 1-24-89, Cl. 414-331.000.

Araseki, Takashi: *See—*

Ozawa, Kazunori; and Araseki, Takashi, 4,821,324, Cl. 381-31.000.

Arash, Ahmad R. Educational device. 4,824,376, 4-25-89, Cl. 434-330.000.

Arashi, Madoka: *See—*

Kobayashi, Kiyotaka; Tabei, Masatoshi; Arashi, Madoka; and Mizobuchi, Yuzo, 4,825,293, Cl. 358-228.000.

Arashi, Norio: *See—*

Sohma, Kenichi; Azuhata, Shigeru; Narato, Kiyoshi; Inada, Tooru; Kobayashi, Hironobu; Arashi, Norio; and Miyadera, Hiroshi, 4,820,046, Cl. 356-328.000.

Arashi, Sotonari: *See—*

Taguchi, Katsuhiko; Imamiya, Yoshimi; Takegawa, Yuji; Kuroda, Kiyoshi; and Arashi, Sotonari, 4,848,606, Cl. 222-333.000.

Arasmith, Stanley. Winged cutting knife for producing wood chips or flakes. 4,802,631, 2-7-89, Cl. 241-88.100.

Arasmith, Stanley. Wood processing device having self-reversing feature. 4,874,024, 10-17-89, Cl. 144-174.000.

Arasuna, Toshikazu: *See—*

Yoshino, Yoshimi; Arasuna, Toshikazu; Ao, Kenichi; Ariga, Katsuhiko; Matsushita, Toshikazu; and Izawa, Ichiro, 4,835,509, Cl. 338-32.00R.

Arata, Justin E.; and Pynn, John N., to Ethicon, Inc. Bariatric surgical instrument. 4,844,068, 7-4-89, Cl. 128-346.000.

Arata, Ryozo: *See—*

Tajima, Kenji; Tsuboi, Tetsuo; and Arata, Ryozo, 4,888,371, Cl. 524-120.000.

Arata, Tadao, to Tanashin Denki Co., Ltd. Automatic stopping device for a tape feeding apparatus. 4,875,113, 10-17-89, Cl. 360-74.200.

Arata, Tadao: *See—*

Tanaka, Shinsaku; Arata, Tadao; and Kitazawa, Takayuki, 4,802,037, Cl. 360-96.500.

Tanaka, Shinsaku; and Arata, Tadao, 4,809,101, Cl. 360-96.400.

Tanaka, Shinsaku; and Arata, Tadao, 4,816,943, Cl. 360-92.000.

Arata, Tetsuya: *See—*

Murayama, Akira; Uchikawa, Naoshi; Kuroshima, Ryoichi; Kuno, Hiroaki; Arata, Tetsuya; and Shiibayashi, Masao, 4,818,195, Cl. 418-15.000.

Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.

Suefuji, Kazutaka; Arata, Tetsuya; Senshu, Takao; Okamoto, Jyoji; and Murayama, Akira, 4,810,176, Cl. 418-55.000.

Arata, Yasuda; Masao, Kato; Masaaki, Yamabe; and Keiichi, Uchida, to Asashi Glass Company Ltd. 7-fluoroprostaglandins and process for their production. 4,822,909, 4-18-89, Cl. 560-121.000.

Arata, Yoshiaki; and Oda, Tatsuharu. Apparatus for producing ultra-high power, ultra-high density laser beam. 4,828,357, 5-9-89, Cl. 350-174.000.

Aratani, Katsuhisa; Nakaoki, Ariyoshi; and Tanaka, Tomiji, to Sony Corporation. Thermomagnetic recording method applying power modulated laser on a magnetically coupled multi-layer structure of perpendicular anisotropy magnetic film. 4,878,132, 10-31-89, Cl. 360-59.000.

Aratani, Katsuhisa, to Sony Corporation. Magneto-optical recording medium. 4,882,231, 11-21-89, Cl. 428-611.000.

Aratani, Matsuhiko: *See—*
Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.

Aratani, Shin-ichi, to Central Glass Company, Limited. Chemically strengthened glass article and method of producing same. 4,846,868, 7-11-89, Cl. 65-30.140.

Aratani, Shinichi; Katano, Masaaki; and Mizoguchi, Takeshi, to Central Glass Company, Limited. Chemically strengthened glass article formed of float glass. 4,859,636, 8-22-89, Cl. 501-72.000.

Aratsu, Shuichi, to Alps Electric Co., Ltd. Device for driving print member of printer. 4,861,174, 8-29-89, Cl. 400-18.000.

Araujo, Richard K., to Charles Stark Draper Laboratory, Inc., The. Two-axis quartz fiber passive tilt meter. 4,812,654, 3-14-89, Cl. 250-338.100.

Arav, Ronnie A., to Beloit Corporation. Self-loading controlled deflection roll. 4,821,384, 4-18-89, Cl. 29-113.200.

Araya, Abraham, to Unilever Patent Holdings B.V. Hydrophobic, highly porous, three-dimensional inorganic structures. 4,888,309, 12-19-89, Cl. 501-80.000.

Araya, Hiroyuki: *See—*
Sumitani, Shigeto; Noguchi, Haruo; and Araya, Hiroyuki, 4,802,529, Cl. 165-29.000.

Araya Industrial Co., Ltd.: *See—*
Hashimoto, Masaki; and Yamaguchi, Noboru, 4,856,800, Cl. 280-281.100.
Kosaka, Akihiko, 4,799,304, Cl. 29-159.020.

Araya, Junji: *See—*
Nakamura, Shunji; Hirabayashi, Hiromitsu; Araya, Junji; and Koitabashi, Noribumi, 4,851,960, Cl. 361-225.000.

Araya, Kuniharu, to Comany Co., Ltd. Suspended travel device for panels. 4,829,631, 5-16-89, Cl. 16-95.00R.

Araya, Shinichi: *See—*
Takahashi, Tetsuo; and Araya, Shinichi, 4,805,110, Cl. 364-468.000.

Araya, Takeshi: *See—*
Okada, Ryoji; Haneda, Mitsuaki; Araya, Takeshi; and Hioki, Susumu, 4,855,102, Cl. 419-8.000.

Arbanas, Glenn A.: *See—*
Keate, Christopher R.; and Arbanas, Glenn A., 4,870,382, Cl. 331-4.000.

Arbed S.A.: *See—*
Mathgen, Georges; and Assa, Charles, 4,869,406, Cl. 222-599.000.
Schmitz, Fernand, 4,845,970, Cl. 72-21.000.

Arbeille, Yves; Drutel, Yves; and Viguier, Alain, to Renault Agriculture. Clutch automation device. 4,799,160, 1-17-89, Cl. 364-424.100.

Arbeiter, James H., to General Electric Company. Quadrature mirror filters with staggered-phase subsampling. 4,815,023, 3-21-89, Cl. 364-724.010.

Arbel, Ygal, to International Business Machines Corporation. Half-duplex speakerphone. 4,879,745, 11-7-89, Cl. 379-389.000.

Arbeniev, Alexandr S.; Ignatiev, Alexandr A.; Zhilin, Vitaly A.; Meinikov, Alexandr S.; and Tomskikh, Sergei F., to Vladimirsky Politekhnichesky Institut Glavnoe Territorialone Upravlenie Po Stroitelstvu Vo. Method and apparatus for processing a mix, preferably concrete mix. 4,872,760, 10-10-89, Cl. 366-7.000.

Arber, Amihadar. Advanced date warning system. 4,868,800, 9-19-89, Cl. 368-29.000.

Arbie, John A.: *See—*
Gingerich, Richard G. W.; Arbie, John A.; and Jackson, Douglas M., 4,826,622, Cl. 252-301.60P.

Arbizzani, Tommaso, to Sodibo S.p.A. Programming and control panel for dry-cleaning machines. 4,831,848, 5-23-89, Cl. 68-12.00R.

Arbizzani, Tommaso, to Sodibo S.p.A. Dried load detector for dry-cleaning machines. 4,840,065, 6-20-89, Cl. 73-295.000.

Arbogast, C. Joseph: *See—*
Arbogast, Robert E.; and Arbogast, C. Joseph, 4,865,612, Cl. 623-55.000.

Arbogast, Peter C.: *See—*
Colborn, David W.; Campbell, G. Edward; Smith, William L.; Hsieh, Chung-Lu; Swatling, Donald K.; and Arbogast, Peter C., 4,863,633, Cl. 252-187.260.

Arbogast, Robert E.; and Arbogast, C. Joseph, to Ohio Willow Wood Company, Inc., The. Prosthetic foot. 4,865,612, 9-12-89, Cl. 623-55.000.

Arbogast, William C., Jr.: *See—*
Adlon, Daniel T.; and Arbogast, William C., Jr., 4,835,858, Cl. 29-868.000.

Arbore, Charles M.: *See—*
Salter, James A.; Schmidt, Thomas R.; DeWitz, Thomas S.; Arbore, Charles M.; Duysings, Frederik M. H. J.; Van Der Meer, Johannes W.; Brown, David; and Venselaar, Henricus C. J., 4,838,738, Cl. 406-14.000.
Salter, James A.; McCusker, James J.; Arbore, Charles M.; Dirkse, Hendricus A.; Everts, Rudi; Eckstein, Gunter; Scott, Andre M.; and Terlouw, Teunis, 4,869,622, Cl. 406-119.000.

Arbus, Inc.: *See—*
Swanic, Anthony, 4,808,127, Cl. 439-139.000.

Arbuthnot, Robin D. Accessory device for safety breathing equipment 4,818,122, 4-4-89, Cl. 383-10.000.

Arc Plan, Inc.: *See—*
Porter, Benny R.; and Bowers, Doyle G., 4,884,326, Cl. 29 156.80R.

Arcair Company: *See—*
Henderson, Harold R.; and Strohl, Robert L., 4,864,093, Cl 219-70.000.
Moore, Paul E.; Henderson, Jeffrey S.; Soisson, Lawrence R.; and Toth, Andrew J., 4,797,528, Cl. 219-70.000.
Moore, Paul E., 4,812,610, Cl. 219-70.000.

Arcand, Thomas W. Simulated static noise generator. 4,806,909, 2-21-89, Cl. 340-384.00R

Arcella, Frank G.; and Lessmann, Gerald G., to Westinghouse Ele Corp. Casting shapes. 4,818,562, 4-4-89, Cl. 427-53.100.

Arceneaux, Henry M.; and Cross, Harry R. Air control system 4,867,376, 9-19-89, Cl. 236-49.200.

Arch, Alfred J.: *See—*
Drake, Cyril F.; Arch, Alfred J.; and Tripp, Mary, 4,849,001, C 65-18.300.
Drake, Cyril F.; and Arch, Alfred J., 4,851,225, Cl. 424-438.000.
Drake, Cyril F.; and Arch, Alfred J., 4,866,097, Cl. 514-770.000.
Gray, Alan; and Arch Alfred J., 4,885,141, Cl. 422-263.000.

ARCH Development Corporation: *See—*
Claar, Terry D.; Busch, Donald E.; and Picciolo, John J., 4,883,497, Cl. 29-623.500.
Gruen, Dieter M.; Young, Charles E.; and Pellin, Michael J., 4,855,596, Cl. 250-305.000.
Gruen, Dieter M.; Young, Charles E.; and Pellin, Michael J., 4,864,130, Cl. 250-305.000.
Gruen, Dieter M.; Young, Charles E.; and Pellin, Michael J., 4,889,987, Cl. 250-282.000.
Horwitz, E. Philip; and Dietz, Mark L., 4,835,107, Cl. 436-82.000
Kaun, Thomas D.; and Nelson, Paul A., 4,851,306, Cl. 429-112.000

Arch, Jonathan R., to Beecham Group p.l.c. Method for administering ethanolamine derivatives to livestock. 4,873,240, 10-10-89, C 514-231.500.

Arch, Jonathan R., to Beecham Group p.l.c. Method for administering ethanolamine derivatives to livestock. 4,880,834, 11-14-89, C 514-567.000.

Arch, Paul E.; and Niemann, Edwin H., to ARCO Chemical Company Isopentane as blowing agent to improve coffee retention in foam cups molded from expandable polystrene. 4,798,749, 1-17-89, C 428-36.500.

Arch, Paul E.; and Niemann, Edwin H., to ARCO Chemical Technology, Inc. Isopentane as blowing agent to improve coffee retention in foam cups molded from expandable polystyrene. 4,840,759, 6-20-89, Cl. 264-53.000.

Arch, Paul E.: *See—*
Meyer, Bernard H.; Kinslow, Joseph C.; Arch, Paul E.; and Meek, D. Harper, 4,853,445, Cl. 526-190.000.

Archambault, Yves: *See—*
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Archang, Homayoun, to Baxter Travenol Laboratories, Inc. Male and/or female electrical connectors. 4,834,677, 5-30-89, C 439-660.000.

Archer Air Industries, Inc.: *See—*
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Archer, Arvo T., to Americane, Inc. Collapsible cane. 4,887,62 12-19-89, Cl. 135-75.000.

Archer, Clifford W., to Renishaw plc. Probe for measuring workpieces and electrical connections therefor. 4,817,362, 4-4-89, Cl. 33-832.000

Archer, Clifford W.: *See—*
Hajdukiewicz, Peter; and Archer, Clifford W., 4,813,151, C 33-832.000.

Archer, David, to Davru Manufacturing Ltd. X-ray gantry. 4,875,22 10-17-89, Cl. 378-197.000.

Archer, Donald H.; and Thies, Wilbur H., Jr., to Raytheon Company Modular multibeam radio frequency array antenna system. 4,845,5 7-4-89, Cl. 343-754.000.

Archer, Donald H.: *See—*
Chen, Sinclair N. C.; and Archer, Donald H., 4,864,319, C 343-786.000.

Archer, Gary D.; Huff, Eugene G.; Madrid, Miguel T., Jr.; and Yosh Akio, to International Business Machines Corporation. Method and apparatus for extending collation functions of a sorting progr 4,873,625, 10-10-89, Cl. 364-200.000.

Archer, John S., to TRW Inc. Hardening of spacecraft structures against momentary high level radiation exposure using a radiat shield. 4,847,506, 7-11-89, Cl. 250-515.100.

Archer, Lee A.; and Brownell, Kenneth W., Jr., to Brintec Corporation Field terminable modular connector. 4,875,875, 10-24-89, C 439-401.000.

Archer, Sydney, to Rensselaer Polytechnic Institute. 9-substitu 6H-pyrido[4,3-b]carbazoles. 4,851,417, 7-25-89, Cl. 514-285.000.

Archer, Timothy H. V.; and Halliday, Bruce W., to Burlington Indu tries, Inc. Vacuum tray fluid-jet start-up system. 4,831,385, 5-16 Cl. 346-1.100.

Archer, Timothy H. V.; Burchett, Roger C.; Dressler, John L.; and Wood, Greg S., to Burlington Industries, Inc. Orifice plate inspection apparatus and method. 4,833,623, 5-23-89, Cl. 364-507.000.

Archer, Timothy H. V.; and Sutera, Richard, to Burlington Industries, Inc. Fluid-jet catcher with removable porous metal ingestion blade. 4,839,664, 6-13-89, Cl. 346-1.100.

Archer, Timothy H. V.; and Sutera, Richard, to Burlington Industries, Inc. Multi-color fluid jet pattern generator for textiles. 4,841,306, 6-20-89, Cl. 346-1.100.

Archer, Timothy H. V.; and Rouch, James C., to Burlington Industries, Inc. Fluid distribution bar for fluid-jet printing. 4,843,407, 6-27-89, Cl. 346-75.000.

Archer, Timothy H. V.; Bowman, Randy; and Glenn, Michael I., to Burlington Industries, Inc. Clean air hood for fluid jet printing. 4,875,054, 10-17-89, Cl. 346-1.100.

Archer, Virgil L., to Archer Air Industries, Inc. Air impingement tunnel oven apparatus. 4,873,107, 10-10-89, Cl. 426-520.000.

Archer, Virgil L.: *See—*
Cox, M. Keith; and Archer, Virgil L., 4,824,644, Cl. 422-300.000.

Archer, William R., to General Electric Company. Electronic control circuits, electronically commutated motor systems, switching regulator power supplies, and methods. 4,859,921, 8-22-89, Cl. 318-599.000.

Archeraire Industries, Inc.: *See—*
Cox, M. Keith; and Archer, Virgil L., 4,824,644, Cl. 422-300.000.

Archery Designs, Inc.: *See—*
Peck, Paul L., 4,881,516, Cl. 124-35.00A.

Archibald, Frederick S.: *See—*
Paice, Michael G.; Archibald, Frederick S.; Jurasek, Lubomir; Bourbonnais, Robert E.; and Ho, Ka-Kee, 4,830,708, Cl. 162-72.000.

Archibald, James B.; and Adams, Steven L., to General Electric Company. Method for producing a stack of laminations with skewed conductor slots. 4,854,034, 8-8-89, Cl. 29-596.000.

Archibald, John L.; Ward, Terence J.; and White, Janet C., to John Wyeth & Brother Limited. Quinoline carboxamides and anti-hypertensive compositions thereof. 4,801,595, 1-31-89, Cl. 514-314.000.

Archibald, John L.; and Ward, Terence J., to John Wyeth & Brother, Limited. Pyridyl- and/or pyridoyl-(piperid-4-yl) ureas and analogues thereof. 4,806,552, 2-21-89, Cl. 514-318.000.

Archibald, John L.; Ward, Terence J.; and White, Janet C., to John Wyeth and Brother Limited. Indole derivatives. 4,866,075, 9-12-89, Cl. 514-307.000.

Archibald, Thomas G.: *See—*
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Architectural Aluminum, Inc.: *See—*
Beard, Philip W.; and Hart, Cecil D., 4,850,167, Cl. 52-200.000

Architectural Wall Systems, Inc.: *See—*
Mitchell, Terry L.; and Spoolstra, Lawrence J., 4,798,035, Cl. 52-281.000.

Archive Corporation: *See—*
Baheri, Hamid, 4,833,558, Cl. 360-106.000.
Mintzlaff, Roger G., 4,858,039, Cl. 360-72.200.
Quintus, John J.; and Sheehan, Michael S., 4,833,418, Cl. 330-9.000.
Tierney, James V., iii, 4,837,643, Cl. 360-51.000.
Yates, Robert H., 4,816,932, Cl. 360-46.000.

Arcilesi, Donald A.; and Klein, Roy W., to OMI International Corporation. Process for rejuvenation electroless nickel solution. 4,814,205, 3-21-89, Cl. 427-305.000.

Arciszewski, Henry: *See—*
Given, Peter S., Jr.; and Arciszewski, Henry, 4,888,187, Cl. 426-102.000.

Arciszewski, Henry E.; Porzio, Linda A.; Chiang, Bin Y.; Spotts, Clyde E., Jr.; McHugh, Kevin; and Szwerc, Joseph A., to Nabisco Brands, Inc. Process for making low sodium baked crackers. 4,859,473, 8-22-89, Cl. 426-19.000.

Arciszewski, Tomasz, to Wayne State University. Joint for space frame. 4,866,902, 9-19-89, Cl. 52-648.000.

ARCO Chemical Company: *See—*
Arch, Paul E.; and Niemann, Edwin H., 4,798,749, Cl. 428-36.500.
Cuscurida, Michael, 4,797,459, Cl. 526-209.000.
Dehm, David C.; and Lawson, H. Franklin, 4,797,450, Cl. 525-326.700.
Gupta, Vijai P., 4,801,760, Cl. 568-923.000.
Lordi, Frank E.; and Vanderpool, Peter J., 4,798,868, Cl. 525-207.000.
Younes, Usama E., 4,800,058, Cl. 264-328.400.

ARCO Chemical Technology, Inc.: *See—*
Arch, Paul E.; and Niemann, Edwin H., 4,840,759, Cl. 264-53.000.
Bourland, Larry G.; DiLullo, Robert J.; Ritrievi, Kimberly E.; and Valbert, Jon R., 4,855,179, Cl. 428-296.000.
Cannarsa, Michael J.; Kesling, Haven S., Jr.; Hostetler, Donald E.; Cooper, Terence A.; and Sun, Hsiang-Ning, 4,833,036, Cl. 428-412.000.
Dean, Barry D., 4,826,937, Cl. 526-262.000.
Dean, Barry D., 4,845,155, Cl. 525-245.000.
Gastinger, Robert G.; and Hayes, John E., 4,837,246, Cl. 521-137.000.
Gastinger, Robert G.; and Hayes, John E., 4,837,247, Cl. 521-137.000.
Gastinger, Robert G.; and Hayes, John E., 4,837,263, Cl. 524-377.000.
Gastinger, Robert G.; and Hayes, John E., 4,855,330, Cl. 521-137.000.
Harper, Stephen D., 4,843,054, Cl. 502-175.000.
Harper, Stephen D., 4,877,906, Cl. 568-621.000.
Harris, Stephen H., 4,812,553, Cl. 528-272.000.
Hazbun, Edward A., 4,827,071, Cl. 585-443.000.
Hostetler, Donald E.; Cannarsa, Michael J.; Kesling, Haven S., Jr.; and Sun, Hsiang-Ning, 4,853,462, Cl. 528-494.000.
Kesling, Haven S., Jr.; Cannarsa, Michael J.; and Sun, Hsiang-Ning, 4,851,507, Cl. 528-405.000.
Klein, Howard P.; and Brennan, Michael E., 4,820,810, Cl. 536-4.100.
Le-Khac, Bi, 4,813,945, Cl. 604-367.000.
Le-Khac, Bi, 4,880,868, Cl. 524-549.000.
Meyer, Bernard H.; Kinslow, Joseph C.; Arch, Paul E.; and Meek, D. Harper 4,853,445, Cl. 526-190.000.
Shawl, Edward T.; and Kesling, Haven S., Jr., 4,871,871, Cl. 560-344.000.
Shawl, Edward T.; and Kesling, Haven S., Jr., 4,873,364, Cl. 560-344.000.
Shawl, Edward T.; Kesling, Haven S., Jr.; and Liotta, Frank J., Jr., 4,883,908, Cl. 560-344.000.
Speranza, George P.; Brennan, Michael E.; and Lin, Jiang-Jen, 4,885,390, Cl. 564-475.000.
White, John F.; and Pollard, Michael R., 4,861,613, Cl. 426-611.000.
Younes, Usama E., 4,879,164, Cl. 428-209.000.
Younes, Usama E., 4,886,700, Cl. 428-252.000.

Arco Industries Corporation: *See—*
Triquet, Fred, 4,826,466, Cl. 464-173.000.

Arcofil S.A.: *See—*
Schenk, Bernard, 4,844,678, Cl. 414-226.000.

Arconti, Richard J.: *See—*
Halasa, Adel F.; Robertson-Wilcox, Sylvia E.; Zanzig, David J.; Arconti, Richard J.; and Hsu, Wen L., 4,845,165, Cl. 526-78.000.

Arcopharma Ltd.: *See—*
Kovacs, Joseph, 4,886,665, Cl. 424-195.100.

Arctco, Inc.: *See—*
Janisch, Darrel R.; and Bernier, Fredric H., 4,862,850, Cl. 123-198.0DC.

Arcus, Christopher G., to IXYS Corporation. Circuit for sensing FET or IGBT drain current over a wide dynamic range. 4,876,517, 10-24-89, Cl. 330-277.000.

Arcus, Christopher G., to IXYS Corporation. Circuit for sensing voltages beyond the supply voltage of the sensing circuit. 4,890,013, 12-26-89, Cl. 307-355.000

Ardac, Inc.: *See—*
Dabrowski, Stanley P., 4,881,919, Cl. 453-57.000.
Dolejs, Anthony H.; Stopar, Henry M.; and Swetel, Patrick, 4,858,744, Cl. 194-206.000.

Ardaillon, Pierre; Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, to Rhone-Poulenc Sante. Compositions for coating feedstuff additives for ruminants and feedstuff additives thus coated. 4,877,621, 10-31-89, Cl. 424-498.000.

Ardco, Inc.: *See—*
Bockwinkel, Gerald J., 4,831,780, Cl. 49-504.000.
Rolek, Matthew, 4,852,303, Cl. 49-504.000.

Arde, Inc.: *See—*
Price, Joseph; and Scheinberg, Martin, 4,826,045, Cl. 222-95.000.

Ardelt, Wojciech J.: *See—*
Shogen, Kuslima; Mikulski, Stanislaw M.; and Ardelt, Wojciech J., 4,882,421, Cl. 530-350.000.

Arden, Terence J.: *See—*
Aune, Jan E.; Arden, Terence J.; and Yap, Mary S., 4,879,752, Cl. 382-1.000.

Ardenti, Angelo M. Means and method of protecting data stored on optical or magnetic media of various sizes and shapes. 4,796,755, 1-10-89, Cl. 206-444.000.

Ardini, Joseph L.; Lefsky, Brian; and Farr, Barbara J., to Prime Computer, Inc. Method and apparatus for high accuracy measurment of VLSI components. 4,876,501, 10-24-89, Cl. 324-73.00R.

Arditi, Marcel: *See—*
Gross, Daniel; Revillet, Georges; Vasey, Francois; and Arditi, Marcel, 4,864,339, Cl. 354-202.000.

Ardito, John D.: *See—*
Freni, Joseph L., Jr.; and Ardito, John D., 4,807,842, Cl. 248-649.000.

Arditty, Herve ; and Lefevre, Herve, to Thomson-CSF. Monomode optical fiber ring interferometric device with semiconductor diode as light energy emission reception/amplification means. 4,842,409, 6-27-89, Cl. 356-350.000.

Arditty, Herve ; and Puech, Claude, to Thomson-CSF. Sensitive display device comprising a scanned screen. 4,868,551, 9-19-89, Cl. 340-712.000.

Arditty, Patricia: *See—*
Gras, Claude; Arditty, Patricia; and Staron, Philippe, 4,864,545, Cl. 367-31.000.

Ardley, John H.; Smith, Brett A.; and Nicholls, Alison W., to Wellcome Australia Limited. Method of and apparatus for applying a fluid to a bulk commodity. 4,797,301, 1-10-89, Cl. 427-8.000.

Ardon, Menachem T.; and Sassano, John P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Switch path reservation arrangement. 4,805,166, 2-14-89, Cl. 370-54.000.

Ardon, Menachem T.; and Sassano, John P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Communication channel ownership arrangement. 4,866,708, 9-12-89, Cl. 370-95.100.

Ardueser, William A.; and Anstey, Henry D., to Deere & Company. Bale push bar. 4,889,047, 12-26-89, Cl. 100-87.000.

Arduin, Joel, to Salomon S.A. Reversible ski brake. 4,856,806, 8-15-89, Cl. 280-605.000.

Areaux, Larry D., to Pre-Melt Systems, Inc. Metal chip furnace charge apparatus and method. 4,872,907, 10-10-89, Cl. 75-65.00R.

Arechavaleta, Joe R.; Berg, William D.; and Dola, Frank P., to AMP Incorporated. Safety receptacle. 4,853,823, 8-1-89, Cl. 361-100.000.

Arefinejad, Majid; Brothers, Dennis J.; and Kosinski, Frederick, to Semec, Inc. Recliner assembly for vehicle seat. 4,874,205, 10-17-89, Cl. 297-379.000.

Areldt, Gyorgy: *See—*

Varjasi, Istvan; Areldt, Gyorgy; and Gajasz, Zoltan, 4,807,105, Cl. 363-68.000.

Arena, Arthur A., to Huls America, Inc. Medical grade film and method of sterilizing the same and sterilized medical grade film. 4,839,233, 6-13-89, Cl. 428-220.000.

Arena, Blaise J.: *See—*

Swedo, Raymond J.; Arena, Blaise J.; and Firth, Bruce E., 4,815,445, Cl. 127-46.100.

Arena, John P., to Manville Corporation. Article separating and loading apparatus. 4,887,414, 12-19-89, Cl. 53-543.000.

Arena Recreations (Toronto) Limited: *See—*

Armstrong, Richard J.; and Granzotto, Robert, 4,874,143, Cl. 242-198.000.

Arenal, Mark G.; and Murphy, Robert A., to Rem Optical Instrumentation, Inc. Zoom optical unit. 4,884,878, 12-5-89, Cl. 350-429.000.

Arenas, Alvaro E., to Cordis Corporation. Quick connect/disconnect tubing adapter. 4,834,719, 5-30-89, Cl. 604-243.000.

Arenberg, I. Kaufman: *See—*

Miller, Curtis H.; Arenberg, I. Kaufman; and Altshuler, John H., 4,874,368, Cl. 604-82.000.

Arend, Arnold. Carrying bag, particularly bathing bag. 4,822,177, 4-18-89, Cl. 383-4.000.

Arend B.V.: *See—*

Brandsema, Wiebrand-Anno; and Kuipers, Boeli, 4,811,658, Cl. 99-455.000.

Arends, Craig W.; and Lam, Robert, to Continental Can Company, Inc. Apparatus for gassing open top cans having a newly filled bubbling liquid therein. 4,827,696, 5-9-89, Cl. 53-432.000.

Arends, Thomas C.: *See—*

Tompkins, E. Neil; Arends, Thomas C.; and Barry, Michael W., 4,847,829, Cl. 370-62.000.

Arendt, Ronald H.: *See—*

Dole, Stephen L.; Arendt, Ronald H.; and Pasco, Wayne D., 4,810,679, Cl. 501-98.000.

Dole, Stephen L.; Arendt, Ronald H.; and Pasco, Wayne D., 4,843,042, Cl. 501-96.000.

Arendt, Volker D., to American Cyanamid Company. Sustained release compositions for parenteral administration and their use. 4,857,505, 8-15-89, Cl. 514-2.000.

Arens, Georges; Delvaux, Jacques; and Gros, Pierre, to Societe Nationale Elf Aquitaine (Production). Process and device for seismic prospecting of a medium with induced waves created artificially in a bore-hole. 4,856,614, 8-15-89, Cl. 181-104.000.

Arens, Hans; Kern, Hans; and Haslberger, Richard, to Grunbeck Wasseraufbereitung GmbH. Tube separator. 4,800,918, 1-31-89, Cl. 137-488.000.

Arens, Robert P., to Minnesota Mining and Manufacturing Company. Reusable bingo card. 4,877,253, 10-31-89, Cl. 273-240.000.

Arens, Thomas M.: *See—*

Grach, Ayzik; and Arens, Thomas M., 4,846,045, Cl. 91-306.000.

Arensmeier, Jeffrey N.; and Haul, Robert W., to Emerson Electric Co. Microcomputer-based spark ignition gas burner control system. 4,827,397, 5-2-89, Cl. 364-186.000.

Arenson, Herbert; and Jordan, Ann K., to Wish-Bon, Inc. Wishbone shaped amusement device. 4,886,270, 12-12-89, Cl. 273-139.000.

Arenstein, Zeev; and Gotlieb, Abraham, to Agan Chemical Manufacturers Ltd. Herbicide. 4,838,928, 6-13-89, Cl. 71-93.000.

Arents, Donald N., to United States of America, Army. Optical assembly for aircraft trailing ground lines. 4,859,026, 8-22-89, Cl. 350-96.250.

Arenz, David L.; Paquette, Edward L.; and Simpson, Marc G., to Refractory Composites, Inc. Refractory composite material and method of making such material. 4,863,798, 9-5-89, Cl. 428-368.000.

Arenz, Helmut, to DSG Schrumpfschlauch GmbH. Method and assembly kit for forming defined longitudinally watertight sections in wirings comprising a plurality of individual strands and/or cable strands. 4,881,995, 11-21-89, Cl. 156-52.000.

Ares, Inc.: *See—*

Stoner, Eugene M., 4,827,829, Cl. 89-43.010.

Stoner, Eugene M., 4,872,391, Cl. 89-155.000.

Ares-Serono Research & Development: *See—*

Shanks, Ian A.; and Smith, Alan M., 4,810,658, Cl. 436-172.000.

Ares-Serono Research & Development Limited Partnership: *See—*

Sawyers, Craig G.; and Robinson, Laurence J., 4,828,387, Cl. 356-319.000.

Aresa, Carmine: *See—*

Bonomi, Giovanni B.; Giacomini, Luigi; Bonomi, Christiano; Aresa, Carmine; and Frigo, Valerio, 4,885,836, Cl. 29-524.100.

Aresco, Carmelo J.: *See—*

Shafer, David R.; and Aresco, Carmelo J., 4,863,253, Cl. 350-620.000.

Arevalo, Leonardo J. Lottery device. 4,801,145, 1-31-89, Cl. 273-143.00R.

Arf, Tevhide G.: *See—*

Kalpakci, Bayram; and Arf, Tevhide G., 4,825,950, Cl. 166-273.000.

Arfaei, Ahmad, to W. R. Grace & Co. Hydraulic cement additives and hydraulic cement compositions containing same. 4,814,014, 3-21-89, Cl. 106-90.000.

Arfman, Kenneth D.; Pillera, Theodore J., II; Ruckel, Raymond R.; Turits, Allan C.; and Walker, John Q., to International Business Machines Corp. Multi-purpose plural-oven gas chromatography system with shared controls. 4,869,876, 9-26-89, Cl. 422-89.000.

Arfors, Karl E., to Pharmacia AB. Method for reperfusion therapy. 4,797,277, 1-10-89, Cl. 424-85.800.

Arfsten, Nanning; Kaufmann, Reinhard; and Schubert, Doris, to Schott-Glasswerke. Dipping process for the production of transparent, electrically conductive, augmented indium oxide layers. 4,849,252, 7-18-89, Cl. 427-108.000.

Arft, Dennis E., to Leggett & Platt, Incorporated. Anti-tilt sofa sleeper mechanism. 4,800,598, 1-31-89, Cl. 5-13.000.

Argade, Pramod V.; and Gupta, Arupratan, to American Telephone and Telegraph Company, AT&T Bell Laboratories. TTL compatible CMOS input buffer having a predetermined threshold voltage and method of designing same. 4,806,801, 2-21-89, Cl. 307-475.000.

Argandona, Toby. Spill containment device. 4,842,443, 6-27-89, Cl. 405-52.000.

Argarana, Carlos: *See—*

Cantor, Charles R.; Axel, Richard; and Argarana, Carlos, 4,839,293, Cl. 435-320.000.

Argazzi, Dennis J.: *See—*

Gelinas, William A.; Holtz, Edwin R.; Argazzi, Dennis J.; Smigel, Robert L.; and Wiley, Dan W., 4,804,435, Cl. 156-379.600.

Argenbright, Lawrence: *See—*

Hupe, Donald; Argenbright, Lawrence; Behrens, Nancy; and Azzolina, Barbara A., 4,847,257, Cl. 514-269.000.

Argent, Ronald D., to King, Taudevin & Gregson (Holdings) Limited. Glass melting furnace. 4,831,633, 5-16-89, Cl. 373-32.000.

Argentieri, Thomas M., to Argentieri, Thomas Michael. Modular tissue superfusion chamber. 4,889,691, 12-26-89, Cl. 422-102.000.

Argentieri, Thomas Michael: *See—*

Argentieri, Thomas M., 4,889,691, Cl. 422-102.000.

Argentini, Dino E., to Raytheon Company. Self-aligning bonding technique. 4,798,643, 1-17-89, Cl. 156-295.000.

Argento, Settimio. Expansion joint and form for concrete floors. 4,834,576, 5-30-89, Cl. 404-62.000.

Argintaru, Lazare; and Hebrard, Denis, to Alcatel Thomson Faisceaux Hertziens. Microwave discriminator and demodulator/receiver using the same. 4,814,718, 3-21-89, Cl. 329-116.000.

Argintaru, Lazare; and Leroux, Eric, to Alcatel Thomson Faisceaux Hertziens. Printed circuit array antenna. 4,819,004, 4-4-89, Cl. 343-778.000.

Argintaru, Lazare; and Hebrard, Denis, to Alcatel Thomson Faisceaux Hertziens. Amplitude stabilizer for use in microwave discriminator. 4,855,691, 8-8-89, Cl. 331-172.000.

Argiriadis, Nikos. Mechanism for separating the closed pistachio nuts from the open pistachio nuts of aegina and rotten legumes. 4,874,097, 10-17-89, Cl. 209-616.000.

Argo Instruments Inc.: *See—*

Martinez, Antonio, 4,882,570, Cl. 340-574.000.

Argon, Gideon, to Salgad International Ltd. Mounting assembly for a saddle frame structure having a cradle for a gun barrel. 4,858,514, 8-22-89, Cl. 89-37.050.

Argosy Electronics: *See—*

Preves, David A., 4,888,810, Cl. 381-109.000.

Argus Chemical Corporation: *See—*

Aza, Alberto D.; Keeley, Charles; Rogers, Jay L.; and Brilliant, Stuart D., 4,837,257, Cl. 524-151.000.

Loiotile, Vito S.; Fisch, Michael H.; and Bennett, Paul E., 4,814,367, Cl. 524-151.000.

Argyle Diamond Mines Pty. Limited: *See—*

Hawkins, Albert P.; Boyle, Alan; and Stone, Alan M., 4,858,771, Cl. 209-552.000.

Argyle, Jeanne, heir: *See—*

Argyle, Sidney C., deceased, 4,795,245, Cl. 350-442.000.

Argyle, Sidney C., deceased (by Argyle, Jeanne, heir), to Boeing Company, The. In-line multipass telescope. 4,795,245, 1-3-89, Cl. 350-442.000.

Argyropoulos, John N.; Derderian, Edmond J.; Keen, Brian T.; and Bumgardner, Timothy G., to Union Carbide Corporation. Production of trisubstituted hydroxyalkyl alkanoates from aldehydes. 4,883,906, 11-28-89, Cl. 560-238.000.

Arhelger, Wolfgang, to Baierl & Demmelhuber GmbH & Co. Akustik & Trockenbau KG. Asbestos-free building material plates and method of making same. 4,808,229, 2-28-89, Cl. 106-90.000.

Ari Technologies, Inc.: *See—*

Dowd, Edward J.; and Crowe, Thomas J., 4,865,819, Cl. 422-211.000.

Dowd, Edward J., 4,885,268, Cl. 502-163.000.

Aria, Percy R.; and Richard, Maurice B., to Advanced Micro Devices, Inc. Counter tester. 4,860,325, 8-22-89, Cl. 377-29.000.

Aria, Percy R.; and Lee, Sherman, to Advanced Micro Devices, Inc. DRAM controller cache. 4,870,622, 9-26-89, Cl. 365-230.020.

Aria, Yoshio; Akiba, Kouji; and Kitajima, Akira, to Hochiki Corporation. Automatic fire extinguishing equipment. 4,819,733, 4-11-89, Cl. 169-61.000.

Arias, Juan C. Shoe display and storage hanger. 4,823,962, 4-25-89, Cl. 211-34.000.

Ariav, Arie, to I.D. Tech Ltd. Intrusion detection apparatus. 4,875,198, 10-17-89, Cl. 367-93.000.

Ariaz, Dan. Flowable solid product applicator. 4,799,831, 1-24-89, Cl. 406-136.000.

Arichi, Masatoshi: *See—*

Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.

Arie, Tsutomu: *See—*

Kijima, Toshio; Tezuka, Tokuya; Doi, Yoji; Yamashita, Shuiichi; Namba, Shigetoh; and Arie, Tsutomu, 4,880,745, Cl. 435-253.300.

Arie, Yehuda: *See—*

Singh, Bawa; Arie, Yehuda; and Mesker, Ormond R., 4,830,702, Cl. 156-613.000.

Arieh, Simon: *See—*

Courvoisier, Guy; and Arieh, Simon, 4,852,222, Cl. 24-68.0SK.

Ariel and Berger Industries Ltd.: *See—*

Berger, Moshe, 4,804,022, Cl. 141-164.000.

Berger, Moshe, 4,836,346, Cl. 192-27.000.

Ariel Vineyards, Inc.: *See—*

Gnekow, Barry R., 4,888,189, Cl. 426-231.000.

Arieli, Rami: *See—*

Karny, Ziv; Arieli, Rami; and Schwebel, Alan, 4,830,462, Cl. 350-96.300.

Arielly, Salo: *See—*

Gustavsson, Stig I.; and Arielly, Salo, 4,797,472, Cl. 530-331.000.

Arifuku, Naoto: *See—*

Aoyagi, Yoshio; Ishii, Tsuneo; Kakiuchi, Shizuo; and Arifuku, Naoto, 4,805,050, Cl. 360-72.200.

Fukuda, Nobutoshi; Tanabe, Masashi; Furuta, Yoshiki; Nagao, Tatsuro; Arifuku, Naoto; and Yamamisaka, Shinichi, 4,839,584, Cl. 324-103.00P.

Fukuda, Nobutoshi; Nagao, Tatsuro; Arifuku, Naoto; Tanabe, Masashi; Yamamisaka, Shinichi; and Furuta, Yoshiki, 4,860,129, Cl. 360-61.000.

Ariga, Katsuhiko: *See—*

Yoshino, Yoshimi; Arasuna, Toshikazu; Ao, Kenichi; Ariga, Katsuhiko; Matsushita, Toshikazu; and Izawa, Ichiro, 4,835,509, Cl. 338-32.00R.

Ariga, Kazuo: *See—*

Teshima, Toru; Ariga, Kazuo; and Yoshida, Mitsunari, 4,829,154, Cl. 219-209.000.

Ariga, Masao: *See—*

Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; and Yamamoto, Chuji, 4,846,925, Cl. 156-583.100.

Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, 4,863,552, Cl. 156-583.100.

Ariga, Sadakazu: *See—*

Tanaka, Toshiyasu; Ariga, Sadakazu; and Suzuki, Mituyosi, 4,813,760, Cl. 350-96.210.

Ariga, Shiro: *See—*

Komine, Isamu; Kobayashi, Masataka; and Ariga, Shiro, 4,852,407, Cl. 73-597.000.

Ariga, Tadashi: *See—*

Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,817,572, Cl. 123-492.000.

Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,831,987, Cl. 123-488.000.

Ariga, Toshiaki; Koshiyama, Ikunori; and Fukushima, Danji, to Kikkoman Corporation. Antioxidant comprising proanthocyanidin as principal component. 4,797,421, 1-10-89, Cl. 514-844.000.

Ariga, Yoshio: *See—*

Hiroki, Hisayuki; Ariga, Yoshio; and Watanabe, Hajime, 4,856,768, Cl. 271-186.000.

Arii, Katsuyuki, to Fujitsu Limited. Apparatus for loading and unloading a vacuum processing chamber. 4,797,054, 1-10-89, Cl. 414-217.000.

Arii, Michio; Kamataki, Yoshihisa; Hino, Shirou; and Matsui, Shoji, to Kabushiki Kaisha Toshiba. Combined cycle power plant capable of controlling water level in boiler drum of power plant. 4,854,121, 8-8-89, Cl. 60-39.182.

Arii, Yoshifumi: *See—*

Niwa, Katuhiro; Abe, Nobuyasu; Kajikiyo, Katuji; Suzuoki, Tsutomu; Tabuti, Katumi; and Arii, Yoshifumi, 4,872,383, Cl. 83-175.000.

Ariizumi, Ryozo; and Kainuma, Masakuni, to Fujikura Rubber Ltd. Air pilot operated directional control valve. 4,821,776, 4-18-89, Cl. 137-625.400.

Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, to Fujikura Rubber Ltd. Diaphragm type of pilot operated directional control valve. 4,823,834, 4-25-89, Cl. 137-596.140.

Ariizumi, Ryozo; Kainuma, Masakuni; Aoki, Toshikazu; Suda, Shoji; Hoshi, Mitsunori; and Ejiri, Takashi, to Fujikura Rubber, Ltd. Pneumatically-operated valve. 4,840,347, 6-20-89, Cl. 251-63.400.

Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, to Fujikura Rubber Ltd. Diaphragm type of pilot operated directional control valve. 4,875,500, 10-24-89, Cl. 137-596.180.

Ariizumi, Shoji; Iwase, Taira; and Masuoka, Fujio, to Kabushiki Kaisha Toshiba. Method of making a semiconductor ROM device. 4,855,248, 8-8-89, Cl. 437-49.000.

Arikado, Tsunetoshi; Sekine, Makoto; Okano, Haruo; and Horiike, Yasuhiro, to Kabushiki Kaisha Toshiba. Method of dry etching and apparatus for use in such method. 4,878,995, 11-7-89, Cl. 156-643.000.

Arikado, Tsunetoshi: *See—*

Sekine, Makoto; Okano, Haruo; Arikado, Tsunetoshi; and Horiike, Yasuhiro, 4,838,978, Cl. 156-345.000.

Arikawa, Akira: *See—*

Koishi, Masumi; Sawada, Manabu; Igarashi, Nobuyuki; and Arikawa, Akira, 4,835,082, Cl. 430-109.000.

Arikawa, Hiroo, to SOC Corporation. Fuse for use in high-voltage circuit. 4,870,386, 9-26-89, Cl. 337-162.000.

Arikawa, Tetsuro, to Nippon ABS, Ltd. Anti-skid control apparatus for a vehicle braking system. 4,805,967, 2-21-89, Cl. 303-116.000.

Arikawa, Tetsuro, to Nippon ABS, Ltd. Anti-skid control apparatus for a vehicle braking system. 4,834,466, 5-30-89, Cl. 303-92.000.

Arikawa, Tetsuro, to Nippon ABS, Ltd. Anti-skid control apparatus for a vehicle braking system. 4,836,620, 6-6-89, Cl. 303-111.000.

Arikawa, Tetsuro, to Nippon ABS, Ltd. Anti-skid control apparatus for a vehicle braking system. 4,854,649, 8-8-89, Cl. 303-113.000.

Arikawa, Tetsuro, to Nippon ABS, Ltd. Anti-skid control apparatus for a vehicle braking system. 4,872,729, 10-10-89, Cl. 303-92.000.

Arikawa, Yoshijiro: *See—*

Yamada, Mutsuo; Kamiguchi, Taiji; Tanimoto, Hirotoshi; Arikawa, Yoshijiro; Kaku, Hiroyuki; and Takamoto, Shigehito, 4,806,692, Cl. 568-401.000.

Ariki, Masayuki: *See—*

Nagao, Toshishige; Ariki, Masayuki; and Ida, Yoshiaki, 4,810,894, Cl. 250-560.000.

Ariki, Yuusaku: *See—*

Wachi, Shun; Ariki, Yuusaku; and Oshima, Hiroshi, 4,873,384, Cl. 570 247.000.

Arima, Haruo: *See—*

Sukimoto, Minobu; Arima, Haruo; Yamada, Toshiyuki; and Taguchi, Seijiro, 4,809,743, Cl. 137-561.00A.

Arima, Hideaki; and Kobayashi, Kiyoteru, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device. 4,866,493, 9-12-89, Cl. 357-23.500.

Arima, Itsuo: *See—*

Ochiai, Kumi; Horie, Hiromichi; Arima, Itsuo; and Morita, Mikio, 4,820,338, Cl. 75-233.000.

Arima, Junichi: *See—*

Mochizuki, Hiroshi; Tamaki, Reiji; Arima, Junichi; Ikegami, Masaaki; Tanaka, Eisuke; and Saito, Kenji, 4,884,120, Cl. 357-68.000.

Arima, Koji: *See—*

Akae, Yoshifumi; Yamamoto, Takasi; Arima, Koji; and Yagi, Tetsuo, 4,871,936, Cl. 310-233.000.

Arima, Yoshiharu, to Koito Manufacturing Co., Ltd. Vehicle lamp device. 4,849,861, 7-18-89, Cl. 362-61.000.

Arimatsu, Seiji: *See—*

Tsunoda, Tahahiro; Yamaoka, Tsuguo; and Arimatsu, Seiji, 4,877,714, Cl. 430-270.000.

Arimatsu, Yoshikazu; Tani, Katsuya; Mitamura, Hideyuki; Saito, Minoru; Kaji, Atsushi; and Katsuo, Kenichi, to Toyo Boseki Kabushiki Kaisha. Polymeric antioxidant and process for production thereof. 4,824,929, 4-25-89, Cl. 528-205.000.

Arimatsu. Youichirou: *See—*

Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.

Arimitsu, Hidenobu: *See—*

Fukunaga, Akira; Arimitsu, Hidenobu; Yasuhara, Yoshiharu; and Shiota, Toshihiko, 4,826,805, Cl. 502-402.000.

Arimitsu Industry Co., Ltd.: *See—*

Teranishi, Nobutoyo; Goshoo, Yasukuni; Ishigaki, Yoshio; Satoh, Hiroshi; and Morishita, Masao, 4,850,536, Cl. 239-332.000.

Arimoto, Akira; Saito, Susumu; and Mochizuki, Takeshi, to Hitachi Koki Co., Ltd.; and Hitachi Ltd. Optical printer. 4,806,951, 2-21-89, Cl. 346-108.000.

Arimoto, Akira; Ojima, Masahiro; and Saito, Susumu, to Hitachi, Ltd. Semiconductor laser array device. 4,811,348, 3-7-89, Cl. 372-29.000.

Arimoto, Akira: *See—*

Ishikawa, Sachiko; and Arimoto, Akira, 4,861,128, Cl. 350-96.130.

Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,841,137, Cl. 250-236.000.

Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,882.483, Cl. 250-236.000.

Arimoto, Atsushi: *See—*

Hibino, Chitoshi; Arimoto, Atsushi; and Yoshihara, Kenji, 4,853,876, Cl. 64-518.000.

Arimoto, Kathuhiko: *See—*

Takahashi, Kiyotaka; and Arimoto, Kathuhiko, 4,838,480, Cl. 232-43.300.

Arimoto, Kazutami; and Furutani, Kiyohiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device having self-refresh function. 4,829,484, 5-9-89, Cl. 365-222.000.

Arimoto, Kazutami; and Furutani, Kiyohiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device comprising trench memory cells. 4,860,070, 8-22-89, Cl. 357-23.600.

Arimoto, Kazutami: *See—*

Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,817,056, Cl. 365-200.000.

Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,849,938, Cl. 371-10.000.

Furutani, Kiyohiro; and Arimoto, Kazutami, 4,858,193, Cl. 365-203.000.

Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,873,669, Cl. 365-189.010.

Mashiko, Koichiro; Arimoto, Kazutami; Furutani, Kiyohiro; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,833,653, Cl. 365-203.000.
Matsuda, Yoshio; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Furutani, Kiyohiro, 4,833,518, Cl. 357-45.000.
Matsumoto, Noriaki; Mashiko, Koichiro; Arimoto, Kazutami; Furutani, Kivohiro; and Matsuda, Yoshio, 4,797,001, Cl. 365-189.000.
Arimoto, Nozomu, to Matsushita Electronics Corporation. Deflection yoke for a color cathode ray tube. 4,882,521, 11-21-89, Cl. 313-440.000.
Arimoto, Shinobu; and Muramatsu, Masanori, to Canon Kabushiki Kaisha. Image signal processing system. 4,814,898, 3-21-89, Cl. 358-260.000.
Arimoto, Shinobu, to Canon Kabushiki Kaisha. Image signal processing apparatus with edge emphasis and variable magnification. 4,860,118, 8-22-89, Cl. 358-451.000.
Arimoto, Shinobu; and Muramatsu, Masanori, to Canon Kabushiki Kaisha. Image signal processing system. 4,884,147, 11-28-89, Cl. 358-443.000.
Arimoto, Shinobu, to Canon Kabushiki Kaisha. Image reading apparatus. 4,888,492, 12-19-89, Cl. 250-578.000.
Arimune, Hisao: *See—*
Yamada, Takashi; Arimune, Hisao; and Maeda, Takashi, 4,851,096, Cl. 204-192.230.
Arimura, Kunitaka: *See—*
Goto, Naohisa; Ito, Yoshiharu; Arimura, Kunitaka; Ando, Makoto; Shirai, Tatsuya; and Teramoto, Ryuji, 4,819,003, Cl. 343-771.000.
Arimura, Yoshiaki, to Kabushiki Kaisha Toshiba. Displacement detector for detecting an amount of displacement of an object to be measured. 4,825,070, 4-25-89, Cl. 250-231.0SE.
Arindol Pty. Limited: *See—*
Ferman, Michael; and Dale, Craig, 4,817,984, Cl. 280-668.000.
Arino, Masao; and Takase, Jinki, to Jidosha Kiki Co., Ltd. Tandem brake booster. 4,882,980, 11-28-89, Cl. 92-48.000.
Arinobe, Eisuke: *See—*
Kajitani, Kazuo; Nagano, Chikara; Shigehara, Makoto; Osa, Kazuhiko; Arinobe, Eisuke; and Yamashita, Hideto, 4,834,516, Cl. 350-502.000.
Arinobu, Ichirou; and Hatakeyama, Yoshihiro, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker reactive to three time-overcurrent characteristics. 4,814,935, 3-21-89, Cl. 361-96.000.
Arinobu, Ichirou, to Mitsubishi Denki Kabushiki Kaisha. Overcurrent detector and circuit breaker. 4,819,124, 4-4-89, Cl. 361-97.000.
Arinobu, Ichirou; and Hatakeyama, Yoshihiro, to Mitsubishi Denki Kabushiki Kaisha. Overcurrent detector. 4,819,125, 4-4-89, Cl. 361-97.000.
Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, to TDK Corporation. Magnetic recording medium and recording/reproducing method thereof. 4,828,899, 5-9-89, Cl. 428-143.000.
Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, to TDK Corporation. Magnetic recording medium and recording/reproducing method therefor. 4,835,032, 5-30-89, Cl. 428-143.000.
Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, to TDK Corporation. Magnetic recording medium and recording/reproducing method therefor. 4,837,116, 6-6-89, Cl. 428-141.000.
Aripze-Gilmore, Roberto. Hunting seat. 4,886,229, 12-12-89, Cl. 248-125.000.
Aris, Raphael; Couprie, Pierre; and Gouvenot, Daniel, to Soletanche, Societe Anonyme Dite. Waterproofing dams and the like. 4,834,579, 5-30-89, Cl. 405-109.000.
Arisato. Toshiyuki; Okitsu, Masatoyo; and Mitsuyasu, Toshio, to Somar Corporation. Surfing boom. 4,867,091, 9-19-89, Cl. 114-97.000.
Arisawa, Tomoharu, to Yugen Kaisha Arisawa; and Kabushiki Kaisha Towo Japan. Unit tile. 4,804,569, 2-14-89, Cl. 428-47.000.
Arismendi, A. M. (Andy), Jr.: *See—*
Jackson, John R., 4,841,250, Cl. 324-349.000.
Aristacom International, Inc.: *See—*
Cooley, Bradford S., 4,890,254, Cl. 364-900.000.
Williams, Stephen J.; and Traster, Elden D., 4,882,727, Cl. 370-79.000.
Aristech Chemical Corporation: *See—*
Cullo, Leonard A.; and Shiring, Francis J., III, 4,814,531, Cl. 585-467.000.
Ehrig, Raymond J.; and Weil, Richard C., 4,824,736, Cl. 428-623.000.
Aristodimou, Emilios. Stone tiles. 4,840,825, 6-20-89, Cl. 428-77.000.
Arita, Hiroyuki: *See—*
Homma, Shiro; Kashiwagi, Masatoshi; and Arita, Hiroyuki, 4,808,367, Cl. 264-555.000.
Arita, Hitoshi: *See—*
Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
Arita, Isao: *See—*
Fukuda, Tatemi; Kawasaki, Yoshio; Wakai, Masao; Negishi, Kenji; Ono, Isao; and Arita, Isao, 4,819,302, Cl. 19-262.000.
Arita, Koji: *See—*
Ikoma, Mitsuhiro; Nakatani, Kazuo; Yoshida, Yuji; Tomizawa, Takeshi; and Arita, Koji, 4,840,042, Cl. 62-324.100.
Arita, Manabu, to Pioneer Electronic Corporation. Carriage tilt control in an optical disk player. 4,829,508, 5-9-89, Cl. 369-215.000.
Arita, Masakazu: *See—*
Takami, Masao; Nagahata, Toru; Arita, Masakazu; Shibata, Eigi; and Tamura, Tadahiko, 4,817,697, Cl. 157-13.000.
Arita, Masanobu; Arai, Kiyoshi; Komoto, Nobuo; Hirose, Setsuko; and Sekine, Takeshi, to Mitsui Toatsu Chemicals, Inc. Benzylamine derivatives, and use thereof. 4,822,822, 4-18-89, Cl. 514-655.000.
Arita, Masanobu: *See—*
Yokoyama, Tatsuro; Mori, Haruki; Arita, Masanobu; and Kojima, Atsushi, 4,868,292, Cl. 536-18.500.
Arita, Masujiro; and Sugimoto, Yukinobu, to Mitsubishi Rayon Engineering Co., Ltd.; and Mitsubishi Rayon Co., Ltd. Method for separating and concentrating an organic component from an aqueous solution containing same. 4,875,980, 10-24-89, Cl. 203-14.000.
Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu, to Hitachi, Ltd. Control system. 4,843,537, 6-27-89, Cl. 364-187.000.
Arita, Yoji, to Mitsubishi Chemical Industries Limited; and Mitsubishi Steel MFG Co., Ltd. Motor. 4,812,692, 3-14-89, Cl. 310-49.00R.
Arita, Yoshihiro: *See—*
Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.
Aritake, Hirokazu: *See—*
Yamazaki, Kozo; Ichikawa, Toshiyuki; Ikeda, Hiroyuki; Inagaki, Takefumi; Aritake, Hirokazu; and Yamagishi, Fumio, 4,848,862, Cl. 350-3.710.
Aritech Corporation: *See—*
Guscott, John K.; Stelmack, Gerard G.; and Boulos, Charles A., 4,875,029, Cl. 340-567.000.
Guscott, John K., 4,888,581, Cl. 340-666.000.
Ariyama, Hiroichi: *See—*
Kobayashi, Masakazu; Harashima, Konomi; and Ariyama, Hiroichi, 4,802,286, Cl. 34-15.000.
Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuch to Ricoh Company, Ltd. Developing device for electrophotographic color copier. 4,800,839, 1-31-89, Cl. 118-691.000.
Ariyama, Kenzo: *See—*
Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,0 Cl. 355-256.000.
Ariyavisitakul, Sirikiat: *See—*
Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, 4,807,252, Cl. 375-53.000.
Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul. Sirikiat, 4,841,547, Cl. 375-53.000.
Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; Ariyavisitakul, Sirikiat; and Sasada, Masaaki, 4,849,990, C 375-40.000.
Ariyoshi, Ayako: *See—*
Chikamori, Yoshihiro; Nakamura, Hiromi; Ariyoshi, Ayako; and Sugimoto, Norie, 4,829,683, Cl. 36-51.000.
Ariyoshi, Hisashi; Kasanami, Toru; and Fukuda, Susumu, to Murata Manufacturing Co., Ltd. Producing a compound semiconductor device on an oxygen implanted silicon substrate. 4,845,044, 7-4-89, C 437-24.000.
Ariyoshi, Kimio: *See—*
Shimasaki, Yuuji; Ueshima, Michio; Tuneki, Hideaki; and Ariyoshi, Kimio, 4,841,061, Cl. 546-184.000.
Ariyoshi, Yukihiko, to Kabushikigaisha Ariyoshikikoushuudan. Relative rotation transmitting apparatus. 4,869,127, 9-26-89, C 74-675.000.
Arizmendi, Napoleon: *See—*
Curington, Alfred R.; and Arizmendi, Napoleon, 4,798,243, C 166-65.100.
Arizona Board of Regents: *See—*
Bernstein, Gary; and Ferry, David K., 4,872,038, Cl. 357-4.000.
Bernstein, Gary; Ferry, David K.; and Liu, Wenping, 4,877,716, C 430-309.000.
Pettit, George R.; Herald, Cherry L.; Kamano, Yoshiaki; and Lee, John E., 4,833,257, Cl. 549-267.000.
Pettit, George R., 4,866,071, Cl. 514-287.000.
Pettit, George R.; and Kamano, Yoshiaki, 4,873,245, C 514-250.000.
Pettit, George R.; and Kamano, Yoshiaki, 4,879,278, Cl. 514-17.000.
Vandenberg, Edwin J., 4,833,183, Cl. 524-35.000.
Arizona Board of Regents, Arizona State University: *See—*
Lindsay, Stuart M., 4,868,396, Cl. 250-440.100.
Pettit, George R.; Herald, Cherry L.; and Kamano, Yoshiaki, 4,816,444, Cl. 514-17.000.
Arizona Chemical Company: *See—*
Davis, Curry B., 4,797,460, Cl. 526-281.000.
Schluenz, Robert W., 4,879,351, Cl. 525-332.100.
Arizona Instrument Corporation: *See—*
Byers, Charles H., Jr.; Michl, Terry L.; and Acord, Dennis E., 4,838,705, Cl. 374-14.000.
Arizona Technology Development Corp.: *See—*
Hoffman, Joseph J.; and Hutter, Louis K., 4,806,285, C 260-104.000.
Ark-Les Corporation: *See—*
Prince, Thomas F.; Bishop, Julian J.; and Walkup, William E., 4,822,297, Cl. 439-395.000.
Ark-Plas Products: *See—*
Vandermast, Nueboch; and Ramey, Carl, 4,845,827, Cl. 29-280.000.
Ark Welding Co., Inc.: *See—*
Iraci, Frank J., 4,807,375, Cl. 37-236.000.

Arkansas Lousisiana Gas Company: *See—*
Camp, Marion L.; and Lancaster, James W., 4,844,431, Cl. 269-25.000.
Arkay Corporation of Wisconsin: *See—*
DeLeeuw, James A.; and Sims, Raymond E., 4,828,717, Cl. 210-740.000.
Arkell, Nigel J.; Sartor, Brian G.; and Prevost, David L., to Brown, Leslie Ford. Wire basket with flexible liner secured by a clip. 4,838,451, 6-13-89, Cl. 220-401.000.
Arkell, Philip S.: *See—*
Brown, Kenneth D.; and Arkell, Philip S., 4,828,881, Cl. 427-208.000.
Arkhipov, Vladimir V.; Velikanov, Gennady F.; Levin, Yakov S.; Magdychansky, Vadim S.; Petrov, Gennady I.; Raer, Gilya A.; and Sarantsev, Kir B., to Proizvodstvennoe Obiedinenie "Nevsky Zavod" Imeni V.I. Lenina. Centrifugal compressor impeller. 4,795,311, 1-3-89, Cl. 416-186.00R.
Arkhipov, Vladimir V.; Velikanov, Gennady F.; Raer, Gilya A.; and Sarantsev, Kir B., to Proizvodstvennoe Obiedinenie Nevsky Zavod Imeni V.I. Lenina. Impeller of centrifugal compressor. 4,863,349, 9-5-89, Cl. 416-186.00R.
Arkla, Inc.: *See—*
Beeson, James S., III, 4,821,557, Cl. 73-3.000.
Arko, Carl M.: *See—*
Rowles, John W.; and Arko, Carl M., 4,852,945, Cl. 297-458.000.
Arkuszewski, Andrzej: *See—*
White, Jeffrey A.; Tolledi, Bruno; Ringer, T. Rayman; and Arkuszewski, Andrzej, 4,842,018, Cl. 137-614.110.
Arlat Inc.: *See—*
Latel, Ernest; and Johnson, John A., 4,825,085, Cl. 250-436.000.
Arlington, David L.; Cole, Jacqueline M.; Hazelzet, Bruce G.; Krolak, David J.; Li, Hehching H.; Oza, Bharat J.; and Weaver, A. Frank, to International Business Machines Corporation. Smart memory card architecture and interface. 4,888,773, 12-19-89, Cl. 371-40.200.
Arlott, Colin; and Kalsi, Manmohan S., to NL Sperry-Sun, Inc. Bearing sleeves. 4,810,105, 3-7-89, Cl. 384-97.000.
Arlt, Dieter; Schwartz, Ulrich; Brandt, Hans-Walter; Arlt, Wolfgang; and Nickel, Andreas, to Bayer Aktiengesellschaft. Separation of diastereomers by extractive distillation. 4,874,473, 10-17-89, Cl. 203-1.000.
Arlt, Dieter: *See—*
Fiege, Helmut; Jautelat, Manfred; and Arlt, Dieter, 4,824,975, Cl. 549-511.000.
Fiege, Helmut; Jautelat, Manfred; and Arlt, Dieter, 4,871,484, Cl. 260-408.000.
Jager, Gerhard; Jautelat, Manfred; Arlt, Dieter; Reinecke, Paul; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,865, Cl. 514-399.000.
Kaulen, Johannes; Arlt, Dieter; Holmwood, Graham; and Kramer, Wolfgang, 4,855,438, Cl. 548-262.000.
Klein, Gerhard; and Arlt, Dieter, 4,835,239, Cl. 528-44.000.
Arlt, Edda: *See—*
Fischer, Wolfgang; Arlt, Edda; and Krenn, Karl D., 4,851,352, Cl. 436-42.000.
Arlt, Manfred; and Dathe, Joachim, to Siemens Aktiengesellschaft. Method for limiting chippage when sawing a semiconductor wafer. 4,804,641, 2-14-89, Cl. 437-227.000.
Arlt, Wolfgang: *See—*
Arlt, Dieter; Schwartz, Ulrich; Brandt, Hans-Walter; Arlt, Wolfgang; and Nickel, Andreas, 4,874,473, Cl. 203-1.000.
Arm-Kor Marketing Corporation: *See—*
Harmsen, Wayne A., 4,833,732, Cl. 2-102.000.
Arma, Inc.: *See—*
Bubien, Ray, 4,881,779, Cl. 297-442.000.
Armada Corporation: *See—*
Tuominen, Steven M.; and Biermann, Robert J., 4,865,663, Cl. 148-402.000.
Armand, Michel; Fouletier, Mireille; and Degott, Pierre, to Societe Nationale Elf Aquitaine. Derivatives of polycarbone sulfides. 4,803,249, 2-7-89, Cl. 525-326.200.
Armand, Michel, to Centre National de la Recherche Scientifique; Societe Nationale Elf Aquitaine; and Hydro-Quebec. Ionically conductive material. 4,818,644, 4-4-89, Cl. 429-192.000.
Armand, Michel; Gauthier, Michel; and Muller, Daniel, to Societe Nationale Elf Aquitaine; and Hydro-Quebec. Ionically conductive material. 4,851,307, 7-25-89, Cl. 429-192.000.
Armand, Michel B.: *See—*
Dejonghe, Lutgard C.; Visco, Steven J.; Mailhe, Catherine C.; and Armand, Michel B., 4,833,048, Cl. 429-104.000.
Armaton AB: *See—*
Berg, Lars O., 4,838,597, Cl. 296-36.000.
Berg, Lars O., 4,850,632, Cl. 296-36.000.
Armatron Internation, Inc.: *See—*
Stevens, David P., 4,807,390, Cl. 43-112.000.
Armbrust, Eberhard: *See—*
Bantle, Manfred; Munz, Volker; Zackl, Bernd; Dietz, Matthias; and Armbrust, Eberhard, 4,872,372, Cl. 74-710.500.
Armbruster, Adolf: *See—*
Gotz, Udo; Hoffmann, Dietrich; Fleig, Anita; and Armbruster, Adolf, 4,833,995, Cl. 102-521.000.
Armbruster, Guenter: *See—*
Greenhalgh, Geoffrey; Morris, Peter; Bearon, John N.; and Armbruster, Guenter, 4,854,636, Cl. 296-201.000.
Von Reis, Wolf; Derner, Paul; Quenett, Rudolf; and Armbruster, Guenter, 4,857,376, Cl. 428-83.000.
Armbruster, Gunter, to Flachglas Aktiengesellschaft. Motor vehicle window pane. 4,827,274, 5-2-89, Cl. 343-712.000.
Armbruster, Joseph M. Electrically powered dispenser for rolled sheet material having a rotary blade cutter. 4,817,483, 4-4-89, Cl. 83-488.000.
Armbruster, Joseph M. Socketless light bulb holder. 4,824,393, 4-25-89, Cl. 439-332.000.
Armbruster, Joseph M. Air circulation device. 4,856,968, 8-15-89, Cl. 417-360.000.
Armbruster, Randy: *See—*
Harris, Clark E.; Armbruster, Randy; Decker, Michael; and Phillips, Bradley A., 4,852,821, Cl. 242-71.800.
Armbruster, Randy E.; Brock, Blanchard M.; Bushnell, Timothy L.; and Loose, Guenter H., to Eastman Kodak Company. Film packet. 4,821,054, 4-11-89, Cl. 354-282.000.
Armco Advanced Materials Corporation: *See—*
Daniels, James A.; Douthett, Joseph A.; and Tack, John G., 4,828,630, Cl. 148-325.000.
Schoen, Jerry W., 4,882,834, Cl. 29-605.000.
Armco Inc.: *See—*
Arnett, Charles R.; and Bruner, James P., 4,840,686, Cl. 148-334.000.
Kilbane, Farrell M.; and Dunbar, F. Curtiss, 4,797,329, Cl. 428-623.000.
Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C.; and Gibson, Alan F., 4,800,135, Cl. 428-653.000.
Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C.; and Gibson, Alan F., 4,883,723, Cl. 428-653.000.
Niedringhaus, Joyce C.; and Lowry, Michael L., 4,874,428, Cl. 75-30.000.
Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., 4,808,278, Cl. 204-28.000.
Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., 4,814,054, Cl. 204-207.000.
Armelin, Michael, to Machines Chambon S.A. Machine for receiving and stacking blanks of cardboard or like material of variable shape and format, successively cut out from a continuous web. 4,810,153, 3-7-89, Cl. 414-790.100.
Armelin, Michael, to Machines Chambon S.A. Device for supplying a machine working on a web of material in stopped position, more particularly but not exclusively applicable to supplying a flat cutting press. 4,863,086, 9-5-89, Cl. 226-152.000.
Armell, Richard A., to Drexel Equipment (UK) Limited. Downhole pressure and/or temperature gauges. 4,805,448, 2-21-89, Cl. 73-151.000.
Armellin, Giancarlo, to Pirelli Coordinamento Pneumatici S.p.A. Motorcycle tires. 4,802,520, 2-7-89, Cl. 152-454.000.
Armenia, Joseph P.: *See—*
O'Connor, James C., 4,801,081, Cl. 232-1.00C.
Armeniades, C. D.; and Moorhead, Louise C., to Armoor Ophthalmics, Inc. Fluid-carrying components of apparatus for automatic control of intraocular pressure. 4,841,984, 6-27-89, Cl. 128-748.000.
Armer, Thomas A.: *See—*
Bridges, William G.; Armer, Thomas A.; and Chang, Kin-Shiung, 4,816,426, Cl. 437-207.000.
Bridges, William G.; and Armer, Thomas A., 4,833,022, Cl. 428-337.000.
Bridges, William G.; and Armer, Thomas A., 4,869,956, Cl. 428-336.000.
Kinneberg, Peter A.; and Armer, Thomas A., 4,871,618, Cl. 428-461.000.
Kinneberg, Peter A.; Armer, Thomas A.; van Breen, Adriaan W.; Barton, Roger E. C.; and Klei, Ebel, 4,880,904, Cl. 528-392.000.
Armiento, Craig A.: *See—*
Prince, Francisco C.; and Armiento, Craig A., 4,820,651, Cl. 437-22.000.
Armier, Karl-Heinz; and Muller, Bernhard, to Rofin-Sinar Laser GmbH. Laser welding device for welding hollow sections and flat sections. 4,839,496, 6-13-89, Cl. 219-121.630.
Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., to Du Pont de Nemours, E. I., and Company. Composites of stretch broken aligned fibers of carbon and glass reinforced resin. 4,837,117, 6-6-89, Cl. 428-392.000.
Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., to Du Pont de Nemours, E. I., and Company. Comosites of stretch broken aligned fibers of carbon and glass reinforced resin. 4,856,146, 8-15-89, Cl. 19-0.350.
Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R., and Okine, Richard K., to Du Pont de Nemours, E. I., and Company. Composites of stretch broken aligned fibers of carbon and glass reinforced resin. 4,856,147, 8-15-89, Cl. 19-0.350.
Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., to Du Pont de Nemours, E. I., and Company. Composites of stretch broken aligned fibers of carbon and glass reinforced resin. 4,857,385, 8-15-89, Cl. 428-189.000.
Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K. Composites of stretch broken aligned fibers of carbon and glass reinforced resin. 4,863,780, 9-5-89, Cl. 428-189.000.
Armijo, Richard L.; and Coughlin, Paul R., to Armijo, Richard L.; and Coughlin, Paul R. Data diskette cartridge storage tray with resilient bumpers. 4,802,387, 2-7-89, Cl. 206-444.000.
Armington, Raymond Q.: *See—*
Komaransky, Anthony J.; and Armington, Raymond Q., 4,839,210, Cl. 428-77.000.

- Armington, Steven E.; Halperin, Stephen A.; Pickett, Gordon E.; and Metz, Barbara A., to Ranpak Corp. Processes for the production of antistatic or static dissipative paper, and the paper products thus produced, and apparatus utilized. 4,806,410, 2-21-89, Cl. 428-126.000.
- Armistead, Robert A., to Advanced Research and Applications Corporation. Computed tomography inspection of electronic devices. 4,852,131, 7-25-89, Cl. 378-4.000.
- Armistead, Trevor: *See—*
  - Edwards, Geoffrey S.; and Armistead, Trevor, 4,820,202, Cl. 439-620.000.
- Armitage, Bernard J.; Housley, John R.; Jeffery, James E.; and Johnston, David N., to Boots Company plc, The. Antidepressant amines. 4,833,143, 5-23-89, Cl. 514-255.000.
- Armitage, David; and Thackara, John I., to United States of America, Air Force. Method for replicating an optical element. 4,826,553, 5-2-89, Cl. 156-233.000.
- Armitage Shanks Limited: *See—*
  - Newcombe, Haydn J.; and Lowe, Jeffrey C., 4,865,076, Cl. 137-602.000.
  - Newcombe, Haydn J.; and Hird, John, 4,889,162, Cl. 137-606.000.
  - Newcombe, Haydn J.; and Hird, John, 4,889,165, Cl. 137-801.000.
- Armodel S.A.: *See—*
  - Fouassier, Jean P., 4,796,849, Cl. 248-619.000.
- Armond, Joseph A., to Electro-Matic Products Co. Tape degausser. 4,825,331, 4-25-89, Cl. 361-151.000.
- Armond, Joseph A.; and Rodenas, Jaunito, to Electro-Matic Products Co. Demagnetizing apparatus and method. 4,843,516, 6-27-89, Cl. 361-145.000.
- Armond, Joseph A., to Electro-Matic Products Co. Demagnetizer. 4,887,184, 12-12-89, Cl. 361-149.000.
- Armond, Michel: *See—*
  - Arribart, Herve; Padoy, Christian; Dugast, Alain; Armond, Michel; Defendini, Francis; and Deshat, Bernard, 4,844,591, Cl. 350-357.000.
- Armond, Victor J., to Fibresand Limited. All weather surfaces. 4,819,933, 4-11-89, Cl. 272-3.000.
- Armoor Ophthalmica, Inc.: *See—*
  - Armeniades, C. D.; and Moorhead, Louise C., 4,841,984, Cl. 128-748.000.
- Armor, John N.: *See—*
  - Cabrera, Alejandro L.; Kirner, John F.; Miller, Robert A.; Pierantozzi, Ronald; and Armor, John N., 4,822,642, Cl. 427-255.100.
  - Carlson, Emery J.; Armor, John N.; Cunningham, William J.; and Smith, Addison M., 4,828,818, Cl. 423-607.000.
- Armour, Henry K.; Kennedy, G. Davon; Koppel, Gary A.; and Scott, William L., to Eli Lilly and Company. Immunoglobulin conjugates of 2′,2′-difluronucleosides. 4,814,438, 3-21-89, Cl. 536-23.000.
- Armour Pharma GmbH: *See—*
  - Friedrich-Fiechtl, Jurgen-Dietrich; Kerner, Bernhard; Holzapfel, Jurgen; Puschmann, Martin; Kimura, Tokusuke; and Kurosu, Fumio, 4,835,257, Cl. 530-387.000.
- Armour Pharmaceutical Company: *See—*
  - Feldman, Fred; Klekamp, Mark S.; Hrinda, Michael E.; Shaw, Arthur B.; and Chandra, Sudhish, 4,876,241, Cl. 514-2.000.
- Armour, Willys R. Fireplace air supply. 4,825,849, 5-2-89, Cl. 126-518.000.
- Arms, Steven W., to Micro Strain Company. Implantable displacement sensor means. 4,813,435, 3-21-89, Cl. 128-774.000.
- Arms, Thomas H.: *See—*
  - Kovaleski, Joseph G.; and Arms, Thomas H., 4,796,966, Cl. 350-96.200.
- Armson, Inc.: *See—*
  - Bindon, Glyn A. J., 4,806,007, Cl. 350-569.000.
- Armstead, Kenneth W.; Bezue, Terry N.; and Obaseki, Kienuwa H. Pop-up artificial Christmas tree. 4,847,123, 7-11-89, Cl. 428-9.000.
- Armstec, Inc.: *See—*
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- Armstrong Blum Mfg.: *See—*
  - Beaman, David R.; Grossman, James M.; and Bello, Alfonso, 4,866,630, Cl. 364-474.020.
- Armstrong, Brian J.: *See—*
  - Keshavan, Madapusi K.; Underwood, Lance D.; Kar, Naresh J.; Oldham, Thomas W.; Roth, Cary A.; and Armstrong, Brian J., 4,836,307, Cl. 175-374.000.
- Armstrong Bros. Tool Co.: *See—*
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- Armstrong, Bruce; and Pfeifer, William, to Armstrong Store Fixture Corporation. Brace and shelf support assembly. 4,805,863, 2-21-89, Cl. 248-243.000.
- Armstrong, C. Peter: *See—*
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- Armstrong, David E.: *See—*
  - O'Sullivan, Terence J.; Mould, George W.; Armstrong, David E.; Foulkes, Graham S.; and Davis, Michael B., 4,856,848, Cl. 297-391.000.
- Armstrong, David I.: *See—*
  - Nixon, Rodger J.; Roselli, Peter J. C.; Armstrong, David I.; Lindley, Martin K.; and de la Bere, Imogen E., 4,841,441, Cl. 364-401.000.
- Armstrong, Desmond R.: *See—*
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- Armstrong, Donald L.: *See—*
  - Frenkel, Robert L.; Derks, Christopher S.; and Armstrong, Donald L., 4,874,079, Cl. 198-436.000.
- Armstrong, Douglas C., to General Motors Corporation. Servo mechanism for actuating a friction band assembly in a planetary gear set. 4,881,453, 11-21-89, Cl. 92-84.000
- Armstrong, Douglas L.: *See—*
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- Armstrong, Elmo G.: *See—*
  - Canfield, Robert E.; Armstrong, Elmo G.; Ehrlich, Paul H.; and Birken, Steven, 4,851,356, Cl. 436-510.000.
- Armstrong, Eric J.; and McClanahan, David D., to Knoll International, Inc. Spine assembly. 4,883,330, 11-28-89, Cl. 312-195.000.
- Armstrong, Eric J.: *See—*
  - Hannah, Bruce R.; Eldon, James B.; Armstrong, Eric J.; Smith, Harold A.; and Campbell, Philip J., 4,826,123, Cl. 248-248.000.
- Armstrong, Fraser A.; and Lannon, Anthony M., to Medisense, Inc. Peroxide electrodes. 4,857,152, 8-15-89, Cl. 204-1.00T.
- Armstrong, Frazer A.; Oliver, Brian N.; and Hill, Hugh A. O., to Medisense, Inc. Graphite electrode with modified surface. 4,836,904, 6-6-89, Cl. 204-294.000.
- Armstrong, George H., to Libbey-Owens-Ford Co. Vehicle window assembly having a retention shield and method and apparatus for producing same. 4,795,667, 1-3-89, Cl. 428-77.000.
- Armstrong International, Inc.: *See—*
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  - Schlesch, Ronald D., 4,842,460, Cl. 410-121.000.
  - Schlesch, Ronald D.; Armstrong, Merrill H.; Vallery, Stafford J.; and Durham, Harold S., 4,875,428, Cl. 114-255.000.
- Armstrong, James: *See—*
  - May, Barry A.; and Armstrong, James, 4,881,288, Cl. 15-98.000.
- Armstrong, James E.: *See—*
  - Wasterval, Philip W., Jr.; and Armstrong, James E., 4,885,893, Cl. 52-745.000.
- Armstrong, Jean: *See—*
  - Siebert, Gary R.; and Armstrong, Jean, 4,888,296, Cl. 436-500.000.
- Armstrong, Jeffrey A. Retractable eyeshield. 4,810,078, 3-7-89, Cl. 350-578.000.
- Armstrong, Jeffrey A.: *See—*
  - Armstrong, Maclay M.; Houser, Steven A.; and Armstrong, Jeffrey A., 4,797,095, Cl. 433-22.000.
- Armstrong, L. Lamar; and Medicks, Peter A. Rotary switch having a flux controlling structure. 4,814,555, 3-21-89, Cl. 200-11.00R.
- Armstrong, Laurence P.; Libby, Scott A.; Peterson, James L.; and Norberg, Roger J., to Nichols-Homeshield, Inc. Square butt door frame and method of assembly. 4,843,775, 7-4-89, Cl. 52-656.000.
- Armstrong, Laurence P.: *See—*
  - Libby, Scott A.; Pliml, Frank V., Jr.; Johnson, William M.; Armstrong, Laurence P.; and Peterson, James L., 4,850,078, Cl. 16-100.000.
- Armstrong, Maclay M.; Houser, Steven A.; and Armstrong, Jeffrey A., to Unitek Corporation. Orthodontic hook mounting. 4,797,095, 1-10-89, Cl. 433-22.000.
- Armstrong Manufacturing Company: *See—*
  - Pfaltzgraff, James R., 4,819,515, Cl. 76-41.000.
  - Pfaltzgraff, James R., 4,864,896, Cl. 76-25.00R.
- Armstrong, Marty A.: *See—*
  - Armstrong, Monroe A.; and Armstrong, Marty A., 4,875,462, Cl. 126-29.000.
- Armstrong, Merrill H.: *See—*
  - Schlesch, Ronald D.; Armstrong, Merrill H.; Vallery, Stafford J.; and Durham, Harold S., 4,875,428, Cl. 114-255.000.
- Armstrong, Monroe A.; and Armstrong, Marty A. Campfire smoke stack. 4,875,462, 10-24-89, Cl. 126-29.000.
- Armstrong Patents Co. Limited: *See—*
  - Janes, Geoffrey G., 4,880,087, Cl. 188-322.160.
- Armstrong, Richard J. Nutating drive. 4,852,418, 8-1-89, Cl. 74-60.000.
- Armstrong, Richard J.; and Granzotto, Robert, to Arena Recreations (Toronto) Limited; and Heisey, William L. Tape cassette having rewind control mechanism. 4,874,143, 10-17-89, Cl. 242-198.000.
- Armstrong, Robert B. Skateboard. 4,795,181, 1-3-89, Cl. 280-87.04A.
- Armstrong, Robert K.: *See—*
  - Doonan, Jeffery W.; Unicomb, Peter I.; and Armstrong, Robert K., 4,816,090, Cl. 148-320.000.
- Armstrong, Rolfe D.; Corcoran, Jon M.; and Cole, Victor F., to NCR Corporation. Circuit and a method for the selection of original data from a register log containing original and modified data. 4,805,0 2-14-89, Cl. 364-200.000.
- Armstrong, Rosa: *See—*
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  - Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,810,691, Cl. 514-2.000.
  - Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,843,063, Cl. 514-2.000.
- Armstrong Rubber Company, The: *See—*
  - Cinter, David J., 4,874,455, Cl. 156-397.000.
  - Oswald, Richard W., 4,830,781, Cl. 152-530.000.
  - Oswald, Richard W., 4,838,966, Cl. 156-117.000.
  - Szyms, Walter, 4,802,937, Cl. 156-118.000.
  - Szyms, Walter; and Valaitis, Joseph W., 4,877,469, Cl. 156-123.0
- Armstrong Store Fixture Corporation: *See—*
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  - Pfeifer, William; Stahl, Charles J.; and Fair, David C., 4,805,7 Cl. 211-188.000.
- Armstrong, Tchaun, to Stone Rose Limited. Musical cube. 4,836 6-6-89, Cl. 84-1.010.

- Armstrong, Thomas, to Paradyne Corporation. Multiple virtual multipoint modem using TDM/token throwing technique. 4,797,878, 1-10-89, Cl. 370-96.000.
- Armstrong, Timothy O.; and Bull, John W., to Precor Incorporated. Low impact exercise equipment. 4,838,543, 6-13-89, Cl. 272-70.000.
- Armstrong, W. Ted. Swing board toy. 4,875,672, 10-24-89, Cl. 272-33.00R.
- Armstrong, Wayne K.: *See—*
  - Naumec, John R.; and Armstrong, Wayne K., 4,850,734, Cl. 403-322.000.
- Armstrong, Wes. Device for facilitating attachment of ornaments to balloon. 4,865,302, 9-12-89, Cl. 269-239.000.
- Armstrong, William D., to Scientific Design Company, Inc. Process for the oxidation of ethylene to ethylene oxide. 4,841,080, 6-20-89, Cl. 549-536.000.
- Armstrong, William D., to Yamashina Seiko-sho, Ltd. Concrete screw. 4,842,467, 6-27-89, Cl. 411-399.000.
- Armstrong, William D., to Scientific Design Company, Inc. Process for preparing silver catalysts. 4,864,042, 9-5-89, Cl. 549-534.000.
- Armstrong, William F.: *See—*
  - Filisko, Frank E.; and Armstrong, William F., 4,879,056, Cl. 252-74.000.
- Armstrong, William H.; Linder, Peter E.; Kasper, Gary; and Rohn, Dean R., to Rexair, Inc. Device for visual inspection of fluid flow. 4,825,502, 5-2-89, Cl. 15-339.000.
- Armstrong, William J.; and Stich, Richard A., to General Electric Company. Compartment assembly for a refrigerator. 4,798,425, 1-17-89, Cl. 312-328.000.
- Armstrong, William T., Jr., to Armstrong Bros. Tool Co. Apparatus and method for sizing and finishing fixed jaw openings of open-ended wrenches. 4,833,831, 5-30-89, Cl. 51-34.00R.
- Armstrong World Industries, Inc.: *See—*
  - Appleyard, F. Joseph; Mason, William L.; and Young, John H., 4,804,429, Cl. 156-209.000.
  - Balmer, Richard H.; and Pfeiffer-Meshaw, Barbara A., 4,797,315, Cl. 428-167.000.
  - Balmer, Richard H.; and Wertz, Patricia L., 4,816,317, Cl. 428-167.000.
  - Balmer, Richard H.; and Wertz, Patricia L., 4,847,117, Cl. 427-265.000.
  - Balmer, Richard H.; and Pfeiffer-Meshaw, Barbara A., 4,881,999, Cl. 156-231.000.
  - Barrall, Jeffery L.; and Garman, Robert C., 4,872,912, Cl. 106-85.000.
  - Blevins, Jack F., 4,853,083, Cl. 162-145.000.
  - Bohrn, Walter J.; Garman, Shelly N.; and Tymon, Thomas M., 4,851,021, Cl. 65-17.000.
  - Bohrn, Walter J.; Brubaker, Richard A.; Garman, Shelly N.; Hosfeld, Lewis K.; Ko, Kenneth K.; and Tymon, Thomas M., 4,877,484, Cl. 162-103.000.
  - Bolgiano, Nicholas C.; Grubb, Mary B.; Hudson, Raymond S.; and Sigman, William T., 4,855,165, Cl. 427-393.500
  - Caldwell, Kenneth G., 4,828,914, Cl. 428-300.000.
  - Clark, Lawrence, 4,829,124, Cl. 525-108.000.
  - Davey, Raymond G.; and Dees, Martin, Jr., 4,797,314, Cl. 428-167.000.
  - Dees, Martin, Jr.; Dorsey, William C.; and Stewart, Arlene J. G., 4,816,319, Cl. 428-167.000.
  - Dorsey, William C.; and Wertz, Ann M., 4,816,318, Cl. 428-167.000.
  - Eshleman, James M.; and Ko, Kenneth K., 4,872,910, Cl. 106-3.000.
  - Garrick, John R.; and Himmelberger, Karl B., 4,815,644, Cl. 225-97.000.
  - Hemphill, J. Marshall; and Hoffer, Roy D., 4,798,998, Cl. 315-297.000.
  - Hemphill, John M.; and Nute, Ernest B., Jr., 4,885,889, Cl. 52-484.000.
  - Ko, Kenneth K.; Miller, Jesse D., Jr.; Shelly, Wayne R.; and Von Stetten, Susan M., 4,826,912, Cl. 524-567.000
  - Krug, James B.; Lenox, Ronald S.; and Stewart, William J., 4,830,884, Cl. 427-244.000.
  - Oleske, Peter J., 4,816,086, Cl. 148-247.000.
  - Reichwein, David P., 4,866,385, Cl. 324-300.000.
  - Scalf, Matt C., 4,805,970, Cl. 312-348.000.
  - Tymon, Thomas M.; and Niznik, Shelly S., 4,800,041, Cl. 252-378.00R.
- Arn, Robert H.: *See—*
  - Borum, Otis C.; Borum, Martin O.; and Arn, Robert H., 4,837,914, Cl. 29-401.100.
- Arnao, Marlene. Forms layout gauge. 4,860,456, 8-29-89, Cl. 33-1.00B.
- Arnau-Munoz, Jose L.; and Cornette, Henri, to Procter & Gamble Company, The. Multiple compartment container laundering method. 4,835,804, 6-6-89, Cl. 8-158.000.
- Arnau-Munoz, Jose L.; and Cornette, Henri, to Procter & Gamble Company, The. Multiple compartment container. 4,874,107, 10-17-89, Cl. 220-20.000.
- Arnaud, Alain; Perrochat, Jean-Michel; and Philippe, Joseph, to S.A.M.M. - Societe d'Applications des Machines Motrices. Shock absorber for a hydropneumatic vehicle suspension element. 4,858,736, 8-22-89, Cl. 188-322.140.
- Arnaud, Annick. Process for the enhancement of light structures and light instrument. 4,882,661, 11-21-89, Cl. 362-242.000.
- Arnaud, Guy. Laminated material with a basis of thermoplastic resins, process for producing such a material, and laminated composite materials obtained therewith. 4,816,329, 3-28-89, Cl. 428-280.000.
- Arnaud, Rene; Gardette, Jean-Luc; and Lamaire, Jacques, to Universite de Clermont II, Laboratoire de Photochimie. Device for accelerated photo-aging of materials containing polymers. 4,874,952, 10-17-89, Cl. 250-455.100.
- Arnaudeau, Marcel; and Rousset, Philippe, to Institut Francais du Petrole. Process and apparatus for measuring two phase flow. 4,817,439, 4-4-89, Cl. 73-861.040.
- Arnaune, Jean-Pierre, to Societe Anonyme de Telecommunications. Decoding device for CMI code. 4,808,970, 2-28-89, Cl. 41-73.000.
- Arndt, Charles J.: *See—*
  - Oury, Robert F.; and Arndt, Charles J., 4,822,210, Cl. 404-106.000.
- Arndt, Frederick P.: *See—*
  - Beauch, Howard D.; Everett, Benjamin H., II; and Arndt, Frederick P., 4,805,476, Cl. 74-473.0SW.
- Arndt, Friedrich: *See—*
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  - Rowson, Graham P.; Head, John C.; Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; and Rees, Richard, 4,889,553, Cl. 71-92.000.
  - Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; Rees, Richard; and Kotter, Clemens, 4,859,231, Cl. 71-93.000.
- Arndt, Gustav E. Pickup bed protector. 4,818,006, 4-4-89, Cl. 296-32.000.
- Arndt, Jurgen, to Telefunken electronic GmbH. Lateral transistor with buried semiconductor zone. 4,829,356, 5-9-89, Cl. 357-35.000.
- Arndt, Kenneth C.: *See—*
  - Barresi, James A.; Arndt, Kenneth C.; Young, Michael N.; Bridgeham, Daniel O.; and Hede, Howard H., 4,852,504, Cl. 110-346.000.
- Arndt, Otto; and Papenfuhs, Theodor, to Hoechst Aktiengesellschaft. Process for the preparation of naphthostyril. 4,824,962, 4-25-89, Cl. 548-437.000.
- Arndt, Peter J.: *See—*
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- Arndt, Volker; Feser, Rainer; Steck, Werner; and Jakusch, Helmut, to BASF Aktiengesellschaft. Preparation of acicular $\alpha\text{-Fe}_2\text{O}_3$. 4,826,671, 5-2-89, Cl. 423-633.000.
- Arndt, Warren D., to Thermo King Corporation. Bus air conditioning unit. 4,885,916, 12-12-89, Cl. 62-244.000.
- Arndts, Dietrich; Schingnitz, Gunter; Streller, Ilse; and Walland, Alexander, to Boehringer Ingelheim KG. Use of 2-(N-2,6-dichlorophenyl-N-allylamino)-2-imidazoline as cytoprotective agent. 4,871,760, 10-3-89, Cl. 514-401.000.
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- Arnegard, Bo O. R.: *See—*
  - Barendsen, Pieter; and Arnegard, Bo O. R., 4,834,580, Cl. 405-138.000.
- Arnemann, Gerhard. Apparatus for filling containers with a flowable medium. 4,804,024, 2-14-89, Cl. 141-165.000.
- Arnemann, Gerhard. Apparatus for filling containers to be sealed with plugs. 4,821,783, 4-18-89, Cl. 141-165.000.
- Arner, Barbara D.; and Tarlow, Kenneth A., to Arner, Barbara D. Drawer organizer with removable sections and blank therefor. 4,867,319, 9-19-89, Cl. 211-46.000.
- Arner, Barbara D.: *See—*
  - Tarlow, Kenneth A.; and Arner, Barbara D., 4,819,815, Cl. 211-74.000.
- Arnesen, Tore C., to 671135 Ontario Limited. Field generator for generating an electrostatic field in a body of liquid. 4,801,370, 1-31-89, Cl. 204-302.000.
- Arnesen, Tore C. Electrode for generating an electrostatic field. 4,822,473, 4-18-89, Cl. 204-302.000.
- Arnesen, Tore C. Electrostatic system for treating liquids. 4,832,816, 5-23-89, Cl. 204-302.000.
- Arneson, Howard M. Buffing apparatus. 4,800,605, 1-31-89, Cl. 15-3.000.
- Arneson Products, Inc.: *See—*
  - Frentzel, Herman E., and Rief, Deiter, 4,817,991, Cl. 285-7.000.
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- Arneson, Theodore R.: *See—*
  - Antoni, Patricia A.; Arneson, Theodore R.; Hayes, Thomas J.; Nolan, Timothy J.; and Stapleton, Marilyn, 4,863,058, Cl. 220-72.000.
  - Antoni, Patricia A.; Nolan, Timothy J.; Hayes, Thom[illegible] Arneson, Theodore R.; and Coleman, Jerry E., 4,8[illegible] Cl. 206-45.320.
- Arnesson, Joel C. E.: *See—*
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- Arnett, Charles R.; and Bruner, James P., to Armco Inc. Bainitic core grinding rod. 4,840,686, 6-20-89, Cl. 148-334.000.
- Arnett, Daniel W. Spare tire lock for truck-trailer wheels. 4,873,851, 10-17-89, Cl. 70-259.000.
- Arnett, Eric M.: *See—*
  - Kinney, Terrance R.; and Arnett, Eric M., 4,857,726, Cl. 250-226.000.
- Arnett, Joan D.: *See—*
  - Shipley, Dale L.; Arnett, Joan D.; Arnett, William A.; Baumel, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Maty; and Yamada, David H., 4,819,159, Cl. 364-200.000.
- Arnett, Richard L.: *See—*
  - Barrett, Eugene R.; and Arnett, Richard L., 4,856,180, Cl. 29-596.000.

- Arnett, William A.: *See—*
  - Shipley, Dale L.; Arnett, Joan D.; Arnett, William A.; Baumel, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Maty; and Yamada, David H., 4,819,159, Cl. 364-200.000.
- Arney, Jonathan S.: *See—*
  - Sanders, Frederick W.; Hillenbrand, Gary F.; Arney, Jonathan S.; and Wright, Richard F., 4,842,981, Cl. 430-138.000.
- Arney, Lawrence H., Jr. Pyroelectric enzyme detector. 4,829,003, 5-9-89, Cl. 435-288.000.
- Arney, Michel D., to Wang Laboratories, Inc. Apparatus for temporarily attaching one item of luggage to another. 4,836,343, 6-6-89, Cl. 190-108.000.
- Arnheim, Norman: *See—*
  - McCormick, Francis P.; Wong, Gail L.; Clark, Robin; Arnheim, Norman; and Nitecki, Danute E., 4,798,787, Cl. 435-7.000.
  - Mullis, Kary B.; Erlich, Henry A.; Arnheim, Norman; Horn, Glenn T.; Saiki, Randall K.; and Scharf, Stephen J., 4,800,159, Cl. 435-172.300.
- Arnitsu Corporation: *See—*
  - Nagase, Yasuo, 4,866,552, Cl. 360-96.500.
- Arnold, Alison M.; and Reed, Ronald G., to United States of America, Air Force. Dual load path pin clevis joint. 4,808,023, 2-28-89, Cl. 403-157.000.
- Arnold, Allen J.; and Sutton, Kerry L., to International Business Machines Corporation. Heat sink. 4,823,869, 4-25-89, Cl. 165-185.000.
- Arnold, Allen J.; Bariether, Michael E.; Chiang, Shin-Wu; Dalal, Hormazdyar M.; Miller, Robert A.; Montegari, Frank A.; Oberschmidt, James M.; and Shen, David T., to International Business Machines Corporation. Multilayer capacitor. 4,831,494, 5-16-89, Cl. 361-306.000.
- Arnold, Alvin: *See—*
  - Shivers, Charles C.; and Arnold, Alvin, 4,873,819, Cl. 56-17.500.
- Arnold, Andre , to Ferco International. Locking device for doors or windows including means for locking the square-sectioned handle-bar of the handle. 4,867,491, 9-19-89, Cl. 292-150.000.
- Arnold, Anthony F.; Corso, Joseph A.; Kapur, Shukla; Lange, Walter F.; and Shih, Da-Yuan, to International Business Machines Corporation. Multilayer thin film metallurgy for pin brazing. 4,835,593, 5-30-89, Cl. 357-71.000.
- Arnold, Anthony F.: *See—*
  - Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Knojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, 4,849,501, Cl. 528-353.000.
- Arnold, Brian, to Emhart Industries, Inc. Method of making shoes using a particular shoe stiffener. 4,814,037, 3-21-89, Cl. 156-321.000.
- Arnold, Brigitte; Eidler, Franz; and Wessel, Wolf, to Robert Bosch GmbH. Interface and control unit for a diesel engine electronic controller and glow plug circuits, and method of glow plug operation. 4,862,370, 8-29-89, Cl. 364-431.100.
- Arnold, Carroll H., to Wain-Roy, Inc. Loader coupler. 4,824,319, 4-25-89, Cl. 414-723.000.
- Arnold, Charles, Jr.; Aubert, James H.; Clough, Roger L.; Rand, Peter B.; and Sylwester, Alan P., to United States of America, Energy. Low density microcellular carbon foams and method of preparation. 4,832,881, 5-23-89, Cl. 264-29.700.
- Arnold, Claude M.; and Cook, Clem H. Floating bait bucket. 4,794,723, 1-3-89, Cl. 43-55.000.
- Arnold, Dan M., to Halliburton Logging Services, Inc. Tracer injection method. 4,861,986, 8-29-89, Cl. 250-260.000.
- Arnold, Dan M.: *See—*
  - Gadeken, Larry L.; and Arnold, Dan M., 4,825,071, Cl. 250-256.000.
- Arnold, David: *See—*
  - Maines, James R.; and Arnold, David, 4,842,656, Cl. 148-302.000.
  - Palmieri, Joseph M.; Castonguay, Roger N.; Arnold, David; and Morris, Robert A., 4,809,132, Cl. 361-353.000.
- Arnold, David E. J., to International Paint PLC. Paint for inhibiting rust staining. 4,814,209, 3-21-89, Cl. 427-409.000.
- Arnold, Donald L., to Chesebrough-Pond's Inc. Continuous thread closure assembly. 4,798,303, 1-17-89, Cl. 215-329.000.
- Arnold, Ernst, to Meteor AG. Multiple spindle winding machine for electric coils. 4,817,888, 4-4-89, Cl. 242-7.090.
- Arnold, Ernst, to Meteor AG. Process and apparatus for the application of a non-adhesive insulating tape to an electric coil winding. 4,869,763, 9-26-89, Cl. 156-187.000.
- Arnold, Fred E.: *See—*
  - Tsai, Tsu-Tzu; and Arnold, Fred E., 4,835,246, Cl. 528-337.000.
- Arnold, George D. M.: *See—*
  - Thoma, Christian H.; and Arnold, George D. M., 4,843,818, Cl. 60-488.000.
- Arnold, George R. Convection lock-vent. 4,798,327, 1-17-89, Cl. 237-50.000.
- Arnold, Gerhard, to Friedhelm Pickhan. Device for driving in nails for hanging pictures and similar articles. 4,860,937, 8-29-89, Cl. 227-147.000.
- Arnold, Gerhard: *See—*
  - Kanne, Friedrich; Mietzner, Franz G.; Pfleger, Klaus; Kursawe, Siegfried; Boettcher, Klaus; and Arnold, Gerhard, 4,804,725, Cl. 526-68.000.
- Arnold, Halan P.: *See—*
  - Hood, Stephen K.; Norkoski, Joseph; and Arnold, Halan P., 4,840,008, Cl. 53-137.000.
- Arnold, Hamilton W.; and Sollenberger, Nelson R., to Bell Communications Research, Inc. Method and circuitry for determining symbol timing for time division multiple access radio systems. 4,849,991, 7-18-89, Cl. 375-84.000.
- Arnold, Hanfried: *See—*
  - Nickisch, Klaus; and Arnold, Hanfried, 4,871,482, Cl. 260-397.300.
- Arnold, Jack L., to Irvine Sensors Corporation. Pixel displacement by series- parallel analog switching. 4,814,629, 3-21-89, Cl. 250-578.000.
- Arnold Jager: *See—*
  - Jager, Sebastian, 4,820,457, Cl. 261-120.000.
  - Jager, Sebastian, 4,842,779, Cl. 261-122.000.
- Arnold, James D. Apparatus for sludge pond treatment. 4,808,305, 2-28-89, Cl. 210-170.000.
- Arnold, Jane J.: *See—*
  - Wiliard, Miles J.; Arnold, Jane J.; and Hix, Veldon M., 4,879,126, Cl. 426-272.000.
- Arnold, Jane P.; and Neuner, James A., to Westinghouse Electric Corp. Method of compensating for noise and pulse pile-up in the counting of random pulse data. 4,835,703, 5-30-89, Cl. 364-484.000.
- Arnold, Jane P.: *See—*
  - Mussler, James M.; and Arnold, Jane P., 4,837,705, Cl. 364-484.000.
- Arnold, Janet O.; and Sennett, Shirley H. Cutting tool for colostomy wafer. 4,817,287, 4-4-89, Cl. 30-178.000.
- Arnold, Jimmie D. Self-propelled trench shoring machine. 4,874,271, 10-17-89, Cl. 405-283.000.
- Arnold, Johann. Transport ventilator. 4,883,406, 11-28-89, Cl. 415-183.000.
- Arnold, John: *See—*
  - Fishman, Jack; Arnold, John; Sherman, Fred; and Hsiao, Jane, 4,873,076, Cl. 424-10.000.
- Arnold, Joseph B.; and Drexler, Jerome, to Drexler Technology Corporation. Method and apparatus for reading data pages on a data surface. 4,864,630, 9-5-89, Cl. 382-46.000.
- Arnold, Joseph B.: *See—*
  - Haddock, Richard; Arnold, Joseph B.; and Drexler, Jerome, 4,818,852, Cl. 235-488.000.
- Arnold, Kraft-Ulrich; and Clauss, Fernand, to Siemens Aktiengesellschaft. Flow divider for gas chromatographs. 4,873,058, 10-10-89, Cl. 422-89.000.
- Arnold, Larry J.: *See—*
  - Jesson, George; and Arnold, Larry J., 4,836,730, Cl. 411-387.000.
- Arnold, Loren G., to Unverferth Manufacturing Company, Inc. Coulter chisel tillage tool. 4,828,042, 5-9-89, Cl. 172-572.000.
- Arnold, Lothar: *See—*
  - Tavs, Peter; Laas, Harald; Schauer, Horst; and Arnold, Lothar, 4,820,874, Cl. 568-350.000.
- Arnold, Manfred; and Wirz, Peter, to Leybold Aktiengesellschaft. Apparatus for coating substrates. 4,824,545, 4-25-89, Cl. 204-298.000.
- Arnold, Miklos: *See—*
  - Paulik, Jeno; Paulik, Ferenc; and Arnold, Miklos, 4,812,051, Cl. 374-10.000.
- Arnold, Philip D.; and Kaywood, Roy G., to General Motors Corporation. Method of assembling tubular shaft assemblies. 4,835,832, 6-6-89, Cl. 29-523.000.
- Arnold, Philip D.; and Kaywood, Roy G., to General Motors Corporation. Apparatus for making tubular camshaft assemblies. 4,841,627, 6-27-89, Cl. 29-720.000.
- Arnold, Pitt W.; and Gaukel, Kevin M., to Celwave Systems Inc. Dielectric resonator electromagnetic wave filter. 4,810,984, 3-7-89, Cl. 333-202.000.
- Arnold, Richard A.: *See—*
  - Shivvers, Charles C.; Shivvers, Steven D.; Arnold, Richard A.; and Ryks, Edward A., 4,843,817, Cl. 60-487.000.
  - Shivvers, Charles C.; Shivvers, Steven D.; Arnold, Richard A.; and Ryks, Edward A., 4,845,949, Cl. 60-436.000.
- Arnold, Richard M.; Baker, Paul A.; Drucker, Coleen A.; Gashler, Robert J.; Lipari, Dominic T.; Robin, Max S.; and Schell, Howard C., to American Telephone and Telegraph Company, AT&T Bell Laboratories. High frequency connector. 4,806,107, 2-21-89, Cl. 439-79.000.
- Arnold & Richter Cine Technik GmbH & Co. Betriebs KG: *See—*
  - Blaschek, Otto, 4,816,857, Cl. 354-286.000.
  - Blaschek, Otto; and Wallner, Kurt, 4,826,116, Cl. 248-185.000.
- Arnold, Robert G.: *See—*
  - Hoffmann, Michael R.; Arnold, Robert G.; and Stephanopoulos, Gregory, 4,880,740, Cl. 435-168.000.
- Arnold, Robert L.; Mader, William G.; and Desmarais, Philip A., to Easco Hand Tools, Inc. Elastomeric sleeve for wrench socket and method of manufacture thereof. 4,800,786, 1-31-89, Cl. 81-121.100.
- Arnold, Robert L., to Easco Hand Tools, Inc. Elastomeric sleeve for conventional wrench sockets. 4,825,732, 5-2-89, Cl. 81-121.100.
- Arnold, Robert L., to Easco Corporation. Elastomeric sleeve for conventional wrench sockets. 4,836,059, 6-6-89, Cl. 76-114.000.
- Arnold, Robert M.: *See—*
  - Escamilla, Robert M.; Escamilla, Elias, III; Escamilla, Elias J.; Johnson, Gregg E.; Arnold, Robert M.; and Tatner, Thomas, 4,838,153, Cl. 99-349.000.
- Arnold, Ronald A.: *See—*
  - Gulya, Thomas G.; Schultz, Gary V.; and Arnold, Ronald A., 4,888,095, Cl. 162-202.000.
- Arnold, Ronald D.; Atol, Gerald R.; and Baker, Samuel F., to Texas Iron Works, Inc. Manifold arrangement for use with a top drive power unit. 4,854,383, 8-8-89, Cl. 166-70.000.
- Arnold, Rudolf, to Claas Saulgau GmbH. Front attachment of field chopping machine for picking and transporting stalk fruits standing in rows. 4,813,217, 3-21-89, Cl. 56-228.000.

- Arnold, Vladimir; and Rumo, Bernhard, to Ciba-Geigy Corporation. Tubular reactor method for conducting heterogeneous reactions. 4,820,807, 4-11-89, Cl. 534-565.000.
- Arnold, Vladimir: *See—*
  - Oxenius, Rudiger; Burgi, Ernst; Arnold, Vladimir; and Rakoczi, Ferenc, 4,874,847, Cl. 534-565.000.
- Arnold, Werner: *See—*
  - Siol, Werner; Felger, Erwin; and Arnold, Werner, 4,814,207, Cl. 427-393.500.
- Arnold, William D., to Lee-Rowan Company. Modular office furniture system. 4,887,538, 12-19-89, Cl. 108-111.000.
- Arnold, William H., III; Farnaam, Mohammad; and Sliwa, Jack, to Advanced Micro Devices, Inc. Titanium nitride as an antireflection coating on highly reflective layers for photolithography. 4,820,611, 4-11-89, Cl. 430-271.000.
- Arnold, William M.; and Zimmermann, Ulrich, to Kerforschungsanlage Julich. Process and device for the differentiation of particles in a medium. 4,801,543, 1-31-89, Cl. 435-173.000.
- Arnold, William T., to W. T. Arnold Research & Development Inc. Vacuum refuse collector. 4,868,948, 9-26-89, Cl. 15-340.100.
- Arnold, Winfried; Hesse, Horst; Hofer, Friedrich-Wilhelm; Lodige, Heinrich; Mohaupt, Hubert; and Schumacher, Werner, to Robert Bosch GmbH. Agricultural working vehicle with electro-hydraulic for regulating lifting mechanism arrangements. 4,809,785, 3-7-89, Cl. 172-9.000.
- Arnoldt, Peter J., to Ductmate Industries, Inc. Circular duct connector. 4,867,490, 9-19-89, Cl. 285-367.000.
- Arnoldt, Peter J., to Ductmate Industries, Inc. Duct connector for a circular duct. 4,881,762, 11-21-89, Cl. 285-367.000.
- Arnon, Ephraim; and Aly, Sami, to Northern Telecom Limited. Apparatus and method for noise reduction in a digital line receiver. 4,864,590, 9-5-89, Cl. 375-14.000.
- Arnone, David A., to Delaware Capital Formation, Inc. Manually operated clip attachment apparatus with movable gate and die. 4,827,591, 5-9-89, Cl. 29-243.560.
- Arnost, Michael J., Inbar, Shai; Meneghini, Frank A.; Palumbo, Paul S.; Stroud, Stephen G.; and Zepp, Charles M., to Polaroid Corporation. Fluorescent conjugates and biological diagnostic assay system. 4,886,744, 12-12-89, Cl. 435-6.000.
- Arnott, John; and Kaga, Gary, to Ontario Limited. Napkin holder. 4,874,099, 10-17-89, Cl. 211-50.000.
- Arnout, Michel; Fonteneau, Patrick; and Lasnier, Didier, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Steelworks cutting nozzle with a double heating ring. 4,821,963, 4-18-89, Cl. 239-419.300.
- Arnout, Michel; Dufour, Eric; and Le Goff, Roger, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Oxygen cutting method and nozzle. 4,830,681, 5-16-89, Cl. 148-9.00R.
- Arnouts, Dirk: *See—*
  - Beer, Henri B.; and Arnouts, Dirk, 4,797,182, Cl. 204-14.100.
- Arnquist, David C., to Texas Instruments Incorporated. Robot gripper passively locked. 4,878,705, 11-7-89, Cl. 294-116.000.
- Arns, Christopher L.: *See—*
  - Frederick, Warren P.; Steele, Sarah L.; Rhodes, David D.; and Arns, Christopher L., 4,874,365, Cl. 604-54.000.
- Arnsten, Amy F. T.; and Goldman-Rakic, Patricia S., to Yale University. Use of alpha-2I selective adrenergic receptor agonists in memory enhancement. 4,847,300, 7-11-89, Cl. 514-617.000.
- Arntzen, Paul: *See—*
  - Pirk, Hans; and Arntzen, Paul, 4,863,311, Cl. 405-128.000.
- Arntzen, Sven. Means for exercising dogs from a bicycle. 4,854,269, 8-8-89, Cl. 119-29.000.
- Arnule, Paul: *See—*
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- Aro Corporation, The: *See—*
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  - Gardner, Richard K.; and Kozumplik, Nicholas, Jr., 4,854,832, Cl. 417-393.000.
  - Herter, Rolf; Sartran, C. Bernard; and Grabowski, Arno, 4,830,586, Cl. 417-395.000.
  - Riggs, James J., 4,858,939, Cl. 279-75.000.
  - Robinson, Richard D.; Willoughby, Robert A.; and Thorp, Phil D., 4,844,177, Cl. 173-12.000.
  - Willoughby, Robert; and Thorp, Phil D., 4,880,364, Cl. 173-12.000.
- Arold, Hermann: *See—*
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- Arold, Klaus: *See—*
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  - Koukal, Heinz; Arold, Klaus; and Grimm, Hermann, deceased, 4,795,090, Cl. 236-49.000.
  - Koukal, Heinz; and Arold, Klaus, 4,838,110, Cl. 74-502.600.
- Aron, Jerome, to Kuhn, S.A. Hay making machine. 4,875,332, 10-24-89, Cl. 56-377.000.
- Arona-Delonghi, Adriano G., to Fabricacion de Maquinas, S.A. Dispenser for materials in stick-like form. 4,863,300, 9-5-89, Cl. 401-68.000.
- Aronoff, Marvin S.: *See—*
  - Keyes, Denis E.; and Aronoff, Marvin S., 4,830,187, Cl. 206-524.700.
- Aronowitz, Jack L.; and Terminiello, Louis, to Technimed Corporation. Assay kit including an analyte test strip and a color comparator. 4,877,580, 10-31-89, Cl. 422-58.000.
- Arons, Richard M.: *See—*
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- Aronson, Harold K. Electrostatic grounding system for work surfaces. 4,802,056, 1-31-89, Cl. 361-212.000.
- Aronson, Michael; Lock, Michele R.; and Santos, Edward, to Lever Brothers Company. Encapsulated bleach particles for machine dishwashing compositions. 4,863,632, 9-5-89, Cl. 252-186.350.
- Aronson, Michael P.: *See—*
  - Gabriel, Robert; Aronson, Michael P.; and Steyn, Peter L., 4,877,544, Cl. 252-99.000.
  - Rerek, Mark E.; and Aronson, Michael P., 4,824,592, Cl. 252-95.000.
  - Rerek, Mark E.; Aronson, Michael P.; and Sepulveda, Ralph R., 4,828,747, Cl. 252-95.000.
- Aronsson, Jan U., to Hegri, B.V. Method of producing brick-like facing elements. 4,798,117, 1-17-89, Cl. 83-870.000.
- Aronstan, Peter S.: *See—*
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- Arora, Arvind, to Photo Acoustic Technology, Inc. Ultrasonic apparatus for positioning a robot hand. 4,821,206, 4-11-89, Cl. 364-513.000.
- Arp, George F.: *See—*
  - Leggs, Richard C.; and Arp, George F., 4,828,786, Cl. 264-515.000.
- Arp, Norman T. Removable protective covering assembly for a bed restraining side rail. 4,827,545, 5-9-89, Cl. 5-424.000.
- Arpad, Zoltan: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
- Arpagaus, Renato; and Leyssens, Herwig, to Hamilton Bonaduz AG. Pipette and pipetting apparatus. 4,830,832, 5-16-89, Cl. 422-65.000.
- Arpiarian, Archie H.; and Khusro, Mohammed M., to Polaroid Corporation. Compact robot arm member relative movement sensor. 4,818,174, 4-4-89, Cl. 414-735.000.
- Arques, Marc, to Thomson-CSF. Solid state light-sensitive device and method for reading such a device. 4,827,145, 5-2-89, Cl. 250-578.000.
- Arques, Marc: *See—*
  - Berger, Jean L.; and Arques, Marc, 4,797,546, Cl. 250-214.00R.
  - Berger, Jean L.; and Arques, Marc, 4,797,560, Cl. 250-578.000.
  - Berger, Jean L.; and Arques, Marc, 4,810,881, Cl. 250-370.010.
- Arrathoon, Raymond. Method and apparatus for programmable optical crossbar logic array with decoders. 4,821,222, 4-11-89, Cl. 364-713.000.
- Arraudeau, Jean-Pierre; Patraud, Jeanne; and Le Gall, Louis, to L'Oreal. Cosmetic make-up composition. 4,820,510, 4-11-89, Cl. 424-63.000.
- Arraudeau, Jean-Pierre; Patraud, Jeanne; and Le Gall, Louis, to L'Oreal. Composition based on cationic polymers, anionic polymers and waxes for use in cosmetics. 4,871,536, 10-3-89, Cl. 424-59.000.
- Arraut, Fernando W.: *See—*
  - Gal, Laszlo V.; Arraut, Fernando W.; and Khosravi, Christopher H., 4,839,541, Cl. 307-481.000.
- Arribart, Herve; Padoy, Christian; Dugast, Alain; Armond, Michel; Defendini, Francis; and Desbat, Bernard, to Saint-Gobain Vitrage. Variable transmission glazings and method of making same. 4,844,591, 7-4-89, Cl. 350-357.000.
- Arribau, Jorge O.; and Dorn, Russell J., to GEO Condor, Inc. Method of blending materials. 4,850,702, 7-25-89, Cl. 366-136.000.
- Arriflex Corporation: *See—*
  - Bahnemann, Volker W.; and Loth, Stanislaw, 4,816,975, Cl. 362-308.000.
- Arrindell, Michael W.: *See—*
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- Arrington, Richard C. Fire extinguisher. 4,815,541, 3-28-89, Cl. 169-74.000.
- Arriveau, Claude: *See—*
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- Arrow Fastener Company, Inc.: *See—*
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- Arrow International Investment Corporation: *See—*
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- Arrow Oil Tools, Inc.: *See—*
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- Arrow Specialty Company: *See—*
  - Davis, Thomas L.; and Harper, Roy A., Jr., 4,886,019, Cl. 123-41.860.
- Arrowin Limited: *See—*
  - Bradley, Dennis, 4,883,313, Cl. 296-216.000.
- Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., to International Business Machines Corporation. Method of maintaining a topology database. 4,827,411, 5-2-89, Cl. 364-300.000.
- Arrowsmith, John E.; and Cross, Peter E., to Pfizer Inc. Benzazepine antiarrhythmic agents. 4,822,793, 4-18-89, Cl. 514-213.000.
- Arrowsmith, John E.; and Cross, Peter E., to Pfizer Inc. Quinolyl substituted indane sulfonamides and their use as anti-arrhythmic agents. 4,829,071, 5-9-89, Cl. 514-311.000.

Arrowsmith, John E.; Cross, Peter E.; and Thomas, Geoffrey N., to Pfizer, Inc. Isoindolinone sulfonamide anti-arrhythmic agents. 4,863,948, 9-5-89, Cl. 514-416.000.
Arroyo, Candido J.; and Ellis, Benjamin C., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Optical fiber cable having fluted strength member core. 4,807,962, 2-28-89, Cl. 350-96.230.
Arroyo, Candido J.; Debban, Harold P., Jr.; and Paucke, Walter J., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Water resistant communications cable. 4,815,813, 3-28-89, Cl. 350-96.230.
Arroyo, Candido J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber building cables. 4,818,060, 4-4-89, Cl. 350-96.230.
Arroyo, Candido J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Water resistant communications cable. 4,867,526, 9-19-89, Cl. 350-96.230.
Arroyo, Candido J.; and Patel, Parbhubhai D., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Animal-resistant cable. 4,874,219, 10-17-89, Cl. 350-96.230.
Arroyo, Daniel R. Concrete truck delivery chute cleaning tool. 4,850,728, 7-25-89, Cl. 401-139.000.
Arroyo, Joe. Propulsion apparatus. 4,838,568, 6-13-89, Cl. 280-234.000.
Arroyo, Nestor A., to Pfizer Hospital Products Corp, Inc. Bone cement. 4,837,279, 6-6-89, Cl. 525-193.000.
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Arsene, Dennis J.; and Lee, Darren J. Finger moistener for handling money. 4,858,555, 8-22-89, Cl. 118-270.000.
Arsi, Joseph N. Freeze alarm. 4,800,371, 1-24-89, Cl. 340-593.000.
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Art, Andree ; Jandrain, Jean-Claude; Lecourt, Jean; and Legros, Desire, to Saint-Gobain Vitrage. Method and device for automatic assembly of laminated panes. 4,830,692, 5-16-89, Cl. 156-64.000.
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Arteaga, Alfredo G. Strip-articulated door that turns in small radius. 4,800,945, 1-31-89, Cl. 160-196.100.
Arteaga, Alfredo G.; and Arteaga, Alfredo E. Compound railroad track. 4,801,083, 1-31-89, Cl. 238-134.000.
Arteau, Jean; and Bertrand, Raymond, to Instit de Recherche en Sante et en Securite du Travail du Quebec. Anchor for temporary safety fence. 4,830,341, 5-16-89, Cl. 256-65.000.
Artel: *See—*
  Curtis, Richard H., 4,797,000, Cl. 356-436.000.
Arter, Nelson K.; Call, Mark G.; and Rhoades, Mark L., to International Business Machines Corporation. Focus servo loop off-set compensation. 4,823,330, 4-18-89, Cl. 369-45.000.
Arterbury, Travis W. Ergonomic knife and knife handle. 4,885,818, 12-12-89, Cl. 16-110.00R.
Arthrotek, Inc.: *See—*
  Gay, Thomas; Bertolami, Charles N.; and Solonche, David J., 4,836,218, Cl. 128-773.000.
Arthun, Nils; and Lofgren, Peter, to Steridose Systems AB. Method of aseptic treatment of water and a storage container to be used at such treatment. 4,800,023, 1-24-89, Cl. 210-644.000.
Arthun, Nils: *See—*
  Lofgren, Peter; and Arthun, Nils, 4,817,687, Cl. 141-65.000.
Arthur A. Collins, Inc.: *See—*
  Collins, Arthur A., 4,797,589, Cl. 370-63.000.
Arthur D. Little, Inc.: *See—*
  Davis, Glenn T., 4,868,570, Cl. 341-106.000.
Arthur, David J.; Mosko, John C.; Jackson, Connie S.; and Traut, G. Robert, to Rogers Corporation. Electrical substrate material. 4,849,284, 7-18-89, Cl. 428-325.000.
Arthur Guinness Son and Company (Great Britain) Limited: *See—*
  Hedderick, John B.; Rutty, Brian R.; and Walshe, John J., 4,818,444, Cl. 261-30.000.
  Rutty, Brian R.; and Walshe, John J., 4,811,862, Cl. 222-63.000.
Arthur Guinness Son & Company Limited: *See—*
  Forage, Alan J.; and Byrne, William J., 4,832,968, Cl. 426-112.000.
Arthur, James C.; and Baldwin, Freddie A., to Arvin Industries, Inc. Manifold baffle system. 4,850,189, 7-25-89, Cl. 60-323.000.
Arthur, James D.: *See—*
  Sanderford, H. Britton, Jr.; Rouquette, Robert E.; and Arthur, James D., 4,799,062, Cl. 342-450.000.
Arthur Matney Company: *See—*
  Garcia, Frank, 4,805,766, Cl. 206-45.340.
Arthur Matney Company, Inc.: *See—*
  Garcia, Frank, 4,867,304, Cl. 206-45.340.
Arthur Pfeiffer Vakuumtechnik Wetzlar GmbH: *See—*
  Hack, Robert; Peter, Ralf; and Polhede, Wilhelm, 4,850,576, Cl. 266-208.000.
  Hild, Gerhard, 4,818,223, Cl. 432-205.000.
  Holss, Kurt; and Lotz, Heinrich, 4,832,564, Cl. 415-90.000.
  Lotz, Heinrich, 4,826,394, Cl. 415-72.000.
Arthur, Ronald B.: *See—*
  Rorden, Randall J.; Arthur, Ronald B.; and Muhlestein, Mark, 4,839,796, Cl. 364-200.000.
Arthur, Stephen D.: *See—*
  Temple, Victor A. K.; and Arthur, Stephen D., 4,814,283, Cl. 437-008.000.
Arthurs, Edward; and Hui, Yu-Ngai J., to Bell Communications Research, Inc. Batcher-Banyan packet switch with output conflic resolution scheme. 4,817,084, 3-28-89, Cl. 370-60.000.
Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., to Bell Communications Research, Inc. Fast optical cross-connect for parallel processing computers. 4,834,483, 5-30-89, Cl. 350-96.160.
Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., to Bell Communications Research, Inc. Hybrid optical and electronic packet switch. 4,873,681, 10-10-89, Cl. 370-3.000.
Articor Limited: *See—*
  Forster, David A.; and Crowder, W. Kenneth, 4,822,357, Cl. 623-3.000.
Artieri, Alain: *See—*
  Cambonie, Joel; and Artieri, Alain, 4,872,134, Cl. 364-768.000.
Artigliere, Fiore: *See—*
  Ricaud, Alain M.; and Artigliere, Fiore, 4,808,904, Cl. 320-2.000.
Artindale, James S. Book spine label. 4,832,520, 5-23-89, Cl. 402-3.000.
Artinyan, Arto; and Krzyston, John, to Cuno Incorporated. Method of forming a cell filter with an exposed surface. 4,881,313, 11-21-89, Cl. 29-163.800.
Artiss, Joseph D.; Zak, Bennie; and Wimmer, Michael C., to Wayne State University. Colormetric method for quantification of magnesium using α-glycerophosphate oxidase. 4,818,691, 4-4-89, Cl. 435-15.000.
Artos Engineering Company: *See—*
  Blaha, Gerald, 4,856,187, Cl. 29-867.000.
  Bueschel, David M.; and Wollermann, Kenneth A., 4,811,633, Cl. 81-9.510.
  Stoehr, Herbert M., 4,873,901, Cl. 81-9.510.
  Wollermann, Kenneth; Gudmestad, Ragnar; Kroening, Terry R. and Conrardy, John E., 4,819,533, Cl. 83-154.000.
  Wollermann, Kenneth; and Gudmestad, Ragnar, 4,879,926, Cl. 81-9.510.
Arts, Dirk: *See—*
  Johansson, Goran; and Arts, Dirk, 4,807,910, Cl. 285-21.000.
Arturo Salice S.p.A.: *See—*
  Salice, Luciano, 4,800,625, Cl. 16-382.000.
  Salice, Luciano, 4,823,436, Cl. 16-258.000.
  Salice, Luciano, 4,826,345, Cl. 403-231.000.
Artusi, Aldo. Container, particularly for receiving foods. 4,801 1-31-89, Cl. 206-524.100.
Artwick, Kert E.: *See—*
  DeBlock, David A.; and Artwick, Kert E., 4,872,498, Cl. 160-90.000.
  DeBlock, David A.; and Artwick, Kert E., 4,884,376, Cl. 52-90.00
Artykov, Farykhdzhon A.; Lilbok, Ljudmila A.; Novikov, Jury P. Akhmedov, Karim S.; Zainutdinov, Aziz S.; and Zainutdinov, Sadriddin, to Institut Khimi Akademii Nauk Uzbekskoi SSR. Process for producing water-soluble polyelectrolyte. 4,820,799, 4-11-89, Cl. 528-363.000.
Artz, Klaus: *See—*
  Hefti, Heinz; Artz, Klaus; Weber, Kurt; Burdeska, Kurt; and Konehr, Dieter, 4,889,655, Cl. 252-301.220.
Artz, Steven P., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,889,550, 12-26-89, Cl. 71-86.000.
Artz, William P. Camber adjustment device with finite camber adjustment settings. 4,863,187, 9-5-89, Cl. 280-661.000.
Artzberger, Thomas G., to M-B-W Inc. Directional control system for a riding-type surface working machine. 4,859,114, 8-22-89, Cl. 404-112.000.
Artzt, Peter; Ziegler, Kurt; Dallmann, Harald; and Egbers, Gerhard, to Schubert & Salzer. Process and device for the spinning of fiber 4,825,633, 5-2-89, Cl. 57-328.000.
Artzt, Peter; Dallmann, Harald; Ziegler, Kurt; and Egbers, Gerhard, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Process and device to piece back to a spinning device operating with a pneumat torsion element. 4,845,936, 7-11-89, Cl. 57-261.000.
Artzt, Peter: *See—*
  Yngve, Paul W.; Artzt, Peter; Egbers, Gerhard; Stark, Ullrich; and Muller, Heinz, 4,802,330, Cl. 57-238.000.
Aruga, Akio; Kubota, Ikuya; Kuroiwa, Tetsuo; and Misawa, Yoshiaki to MK Seiko Co., Ltd. Bread baking appliance. 4,844,048, 7-4-89, Cl. 126-21.00R.
Aruga, Chikao: *See—*
  Imamura, Takaharu; Tsuji, Hiroshi; Aruga, Chikao; and Kawasura, Tohru, 4,828,598, Cl. 65-104.000.
Aruga, huji: *See—*
  Kamakura, Hiroshi; Sonehara, Tomio; Ono, Takeshi; Nakamura Junichi; Yajima, Akitaka; and Aruga, huji, 4,850,685, Cl. 350-397.000.
Aruga, Masayoshi: *See—*
  Konno, Yutaka; Kawata, Hiroitsu; Aruga, Masayoshi; Sonoda Takashi; and Mitomi, Mitsuo, 4,879,119, Cl. 424-449.000.

  Ogawa, Katayasu; Ohtani, Go; Yokota, Shoji; and Aruga, Masayoshi, 4,880,823, Cl. 514-356.000.
Aruga, Tomoe: *See—*
  Kimura, Ippo; Okumura, Naoyuki; Aruga, Tomoe; and Arai, Yoshio, 4,882,644, Cl. 360-104.000.
  Maekawa, Nobuyoshi; Yokouchi, Hideya; Aruga, Tomoe; and Sugiyama, Tadashi, 4,825,314, Cl. 360-99.080.
Arus-Andritz Ruthner, Inc.: *See—*
  Clements, Brice P.; Kurihara, Tatsuo; Marshall, Sammy D.; and Syrowatka, Rupert, 4,857,193, Cl. 210-396.000.
Arutaki, Akira; and Takahashi, Hiromi, to NEC Corporation. Monitoring system capable of monitoring a sequence of digital signals flowing through a subscriber line. 4,835,766, 5-30-89, Cl. 370-58.000.
Arval S.p.A.: *See—*
  Zappia, Vincenzo; and De Rosa, Mario, 4,883,670, Cl. 424-450.000.
Arveson, Bernard A.: *See—*
  Bertolini, Robert; and Arveson, Bernard A., 4,822,328, Cl. 493-425.000.
Arvidson, Russell A.; Renick, James T.; Clegg, Robert D.; and Zimmer, Lawrence E., to Abbott Laboratories. Reservoir/dispensing container. 4,886,504, 12-12-89, Cl. 604-257.000.
Arvidsson, Bertil: *See—*
  Brattstrom, Leif; Gustafsson, Hans; Strom, Tommy; Arvidsson, Bertil; and Cergeus, Sture, 4,831,936, Cl. 102-476.000.
Arvidsson, Folke L. E.; Carlsson, Per A. E.; Hacksell, Uli A.; Hjorth, John S. M.; Johansson, Anette M.; and Lindberg, Per L., to Per Arvid Emil Carlsson. 1-alkyl-2-aminotetralin derivatives. 4,876,284, 10-24-89, Cl. 514-657.000.
Arvidsson, Krister E. G. Device for preventing a wheel cap from loosening from a rim. 4,818,033, 4-4-89, Cl. 301-37.0CD.
Arvin Industries, Inc.: *See—*
  Arthur, James C.; and Baldwin, Freddie A., 4,850,189, Cl. 60-323.000.
  Streich, Herbert K.; Leach, Robert D.; Johnson, Joel R.; Olson, Thomas B.; and Townsend, Donald L., 4,873,422, Cl. 219-370.000.
Arvin, Paul; and Langley, John R., to Imo Delaval Inc. Wire-to-track-base retainer clip and keeper. 4,826,078, 5-2-89, Cl. 238-14.140.
Arvola, Ilkka; and Kajamaa, Jaakko. Method and equipment for converting thermal energy to mechanical energy. 4,800,722, 1-31-89, Cl. 60-527.000.
Arway, George, to VideoJet Systems International, Inc. Drop deflection device and method for drop marking systems. 4,845,512, 7-4-89, Cl. 346-1.100.
Arway, George: *See—*
  Eremity, Frank; and Arway, George, 4,890,119, Cl. 346-75.000.
Arzbaecher, Robert C.; Davis, D. J., Jr.; and Lowther, Mark P., to Arzco Medical Electronics, Inc. Esophageal electrocardiography electrode. 4,817,611, 4-4-89, Cl. 128-642.000.
Arzberger, Gerhard A.: *See—*
  Abrams, Louis B.; and Arzberger, Gerhard A., 4,810,549, Cl. 428-88.000.
Arzberger, Maximilian: *See—*
  Bauer, Karlheinz; Haberer, Johann; and Arzberger, Maximilian, 4,834,197, Cl. 175-91.000.
Arzco Medical Electronics, Inc.: *See—*
  Arzbaecher, Robert C.; Davis, D. J., Jr.; and Lowther, Mark P., 4,817,611, Cl. 128-642.000.
Arzenti, Thomas E.; Pirl, William E.; and Costlow, Annette M., to Westinghouse Electric Corp. Apparatus and method for simultaneously loading a reinforcing sleeve and mandrel into a tube. 4,829,648, 5-16-89, Cl. 29-157.400.
Arzenti, Thomas E.; and Senger, Robert D., to Westinghouse Electric Corp. Flexible hardroll mandrel assembly for sleeving peripherally located heat exchanger tubes. 4,876,871, 10-31-89, Cl. 72-122.000.
Arzenti, Thomas E.: *See—*
  Metala, Michael J.; Clark, William G., Jr.; Junker, Warren R.; Burtner, Lee W.; Arzenti, Thomas E.; Johnson, Harold P.; Vestovich, Robert P.; and Bevilacqua, Bruce W., 4,856,337, Cl. 73-601.000.
Arzheimittel GmbH Apotheker Vetter & Co. Ravensburg: *See—*
  Vetter, Udo J., 4,874,381, Cl. 604-191.000.
Arzoian, John: *See—*
  Trachman, Edward G.; Shih, Shan; and Arzoian, John, 4,872,374, Cl. 74-731.000.
  Trachman, Edward G.; Shih, Shan; and Arzoian, John, 4,872,375, Cl. 74-731.000.
Arzoumanian, Aram: *See—*
  Wong, Kam C.; Rubinshtein, Bernard; and Arzoumanian, Aram, 4,840,501, Cl. 400-124.000.
Arzoumanidis, Gregory G.; Karayannis, Nicholas M.; Khelghatian, Habet M.; Lee, Sam S.; and Johnson, Bryce V., to Amoco Corporation. Olefin polymerization catalyst. 4,866,022, 9-12-89, Cl. 502-120.000.
Arzounian, Raymond. Apparatus for anchoring a telephone handset to a telephone housing. 4,845,774, 7-4-89, Cl. 379-433.000.
Arzt, Anton: *See—*
  Paar, Willibald; and Arzt, Anton, 4,857,581, Cl. 524-591.000.
Asabayashi, Issei: *See—*
  Okayama, Hideaki; Matoba, Akio; Kobayashi, Nobuo; Asabayashi, Issei; Nagai, Kiyoshi; and Shibuya, Ryoko, 4,846,542, Cl. 350-96.150.
  Ushikubo, Takashi; Okayama, Hideaki; Kawahara, Masato; and Asabayashi, Issei, 4,884,858, Cl. 350-96.130.
Asada, Atsushi; and Anzai, Shunju, to Sharp Kabushiki Kaisha. Electrophotographic copying machine with document-winding drum and document table. 4,803,519, 2-7-89, Cl. 355-8.000.
Asada, Eizi: *See—*
  Kawai, Kenichi; Fukuma, Nobuo; Matsui, Akira; Futamura, Kenichiro; Asada, Eizi; and Fukuoka, Tatsuhiko, 4,869,871, Cl. 420-559.000.
  Suzuki, Osamu; Asada, Eizi; and Fukuoka, Tatsuhiko, 4,830,777, Cl. 252-511.000.
Asada, Haruo: *See—*
  Tsujimoto, Shuichi; and Asada, Haruo, 4,878,124, Cl. 358-443.000.
Asada Kabushiki Kaisha: *See—*
  Taki, Naohiro; and Ozawa, Yasuhiro, 4,880,340, Cl. 408-176.000.
Asada, Katsuhiko: *See—*
  Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
  Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.
  Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
  Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.
Asada, Kazuo: *See—*
  Takeda, Yoshiaki; Asada, Kazuo; and Eda, Shigehiro, 4,819,261, Cl. 379-27.000.
Asada, Kenichiro; Mama, Takashi; and Fujioka, Takanobu, to Ricoh Company, Limited. Imaging using collectively controlled multiple beams. 4,796,265, 1-3-89, Cl. 372-31.000.
Asada, Kenichirou, to Ricoh Co., Ltd. Synchronizing device for laser printer. 4,845,358, 7-4-89, Cl. 250-235.000.
Asada, Kenichirou, to Ricoh Company, Ltd. Image forming apparatus. 4,866,538, 9-12-89, Cl. 358-300.000.
Asada, Masaaki: *See—*
  Kitano, Seiichi; Fukatani, Yasunobu; and Asada, Masaaki, 4,807,730, Cl. 192-13.00R.
  Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, 4,848,550, Cl. 192-99.00A.
  Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, 4,856,634, Cl. 192-70.300.
  Nishimura, Yoshio; and Asada, Masaaki, 4,832,165, Cl. 192-13.00R.
Asada, Masaharu: *See—*
  Araki, Tokinori; and Asada, Masaharu, 4,805,666, Cl. 137-625.430.
Asada, Masaji: *See—*
  Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
Asada, Masayuki: *See—*
  Nakamura, Seishiro; Oukami, Katutoshi; and Asada, Masayuki, 4,889,833, Cl. 501-1.000.
  Takahashi, Katsuaki; Miura, Yoshinari; Osaka, Akiyoshi; and Asada, Masayuki, 4,829,026, Cl. 501-10.000.
Asada, Masazi: *See—*
  Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, 4,815,419, Cl. 123-41.420.
Asada, Mitunori: *See—*
  Hamada, Yoshihiro; Nakagawa, Kazuhiko; Hagiwara, Katunobu; Noda, Takeoki; and Asada, Mitunori, 4,859,166, Cl. 425-204.000.
Asada, Seiichi; Sueyoshi, Toshinobu; and Miyake, Akira, to Hitachi Maxell, Ltd. Magnetic powder and magnetic recording medium comprising the same. 4,874,668, 10-17-89, Cl. 428-403.000.
Asada, Tahei, to Corona Enterprises, Inc. Process for electrolytically coloring aluminum material. 4,806,226, 2-21-89, Cl. 204-37.600.
Asada, Tomoyuki: *See—*
  Yasuda, Sachiko; Yoshida, Minoru; Asada, Tomoyuki; and Mukai, Hideo, 4,806,992, Cl. 355-3.0DD.
Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, to Aisin Seiki Kabushiki Kaisha. Ignition system for vehicle. 4,796,151, 1-3-89, Cl. 361-171.000.
Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, to Aisin Seiki Kabushiki Kaisha. Start controller for engine. 4,884,207, 11-28-89, Cl. 364-431.030.
Asada, Toshiyuki; Ushijima, Fumihiro; and Higashiyama, Yasuhiko, to Toyota Jidosha Kabusniki Kaisha. Transmission for a vehicle having improved performance for shifting between speed stages. 4,872,376, 10-10-89, Cl. 74-765.000.
Asada, Toshiyuki; Kubo, Seitoku; Nakamura, Shinya; Kinoshita, Masafumi; and Kuroda, Takaaki, to Toyota Jidosha Kabushiki Kaisha. Transaxle casing for automatic transmission. 4,879,921, 11-14-89, Cl. 74-467.000.
Asada, Yoshihisa; and Iizuma, Masahiro, to Furukawa Electric Co., Ltd., The. Optical cable connecting section in electric power and optical composite cable. 4,830,457, 5-16-89, Cl. 350-96.200.
Asaga, Hiroshi: *See—*
  Iwai, Hiromi; Nakajima, Masatoshi; Asaga, Hiroshi; Takao, Nobuyuki; Shiga, Satoru; and Tanabe, Yoshihiro, 4,866,393, Cl. 324-549.000.

Asagi, Yasuyoshi: *See—*
Hattori, Toshihiro; Ishihara, Masaki; Kasai, Hitoshi; and Asagi, Yasuyoshi, 4,843,555, Cl. 364-431.070.
Asagiri, Katsuki; Nishimura, Yuji; Kawaharazaki, Takashi; and Yoshitsugu, Noritada, to Kabushiki Kaisha Tokai Rika Denki Seisakusho; and Toyota Jidosha Kabushiki Kaisha. Automatic seatbelt apparatus. 4,850,610, 7-25-89, Cl. 280-804.000.
Asahara, Kazuhito: *See—*
Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, Hiroshi; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubota, Hayato, 4,795,569, Cl. 210-770.000.
Asahara, Makoto; and Shirai, Kenji, to Toyota Jidosha Kabushiki Kaisha. Brake booster device providing pressure to both pressure chambers of tandem brake master cylinder device. 4,800,724, 1-31-89, Cl. 60-560.000.
Asahara, Shuichi, to Victor Company of Japan Ltd. Separation circuit using adaptive comb filter for separating luminance and color difference signals in composite color TV signal. 4,851,898, 7-25-89, Cl. 358-31.000.
Asahara, Yoshiyuki; Omi, Shigeaki; Sakai, Hiroyuki; Nakayama, Shin; and Yoneda, Yoshitaka, to Hoya Corporation. Gradient refractive index type anamorphic planar microlens and method of producing the same. 4,805,997, 2-21-89, Cl. 350-413.000.
Asahara, Yoshiyuki; Sasai, Hiroyuki; Omi, Shigeaki; Shingaki, Seiichi; and Nakayama, Shin, to Hoya Corporation. Lenses having plural contiguous refractive index distribution substrates and method of manufacture. 4,844,589, 7-4-89, Cl. 350-413.000.
Asahara, Yoshiyuki: *See—*
Sakai, Hiroyuki; Asahara, Yoshiyuki; Omi, Shigeaki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,844,724, Cl. 65-3.110.
Sakai, Hiroyuki; Ohmi, Shigeaki; Yoneda, Yoshitaka; and Asahara, Yoshiyuki, 4,851,024, Cl. 65-3.140.
Asahi, Akihiko: *See—*
Kubo, Yoshimasa; Hondo, Masao; Tanaka, Masashi; and Asahi, Akihiko, 4,873,195, Cl. 435-254.000.
Asahi Chemical Company, Ltd: *See—*
Yoshida, Zenichi; Kato, Susumu; and Amemiya, Yashuhiro, 4,814,532, Cl. 585-357.000.
Asahi Chemical Research Laboratory Co., Ltd.: *See—*
Iwasa, Yamahiro; Oba, Yoichi; and Morooka, Isao, 4,837,050, Cl. 427-96.000.
Asahi Chemical Research Laboratory, Ltd.: *See—*
Sato, Yoneji; Hoshino, Masato; Kitazawa, Seiichi; and Yasuda, Tadashi, 4,888,269, Cl. 430-280.000.
Asahi Chemical Synthetic Co., Ltd.: *See—*
Kobayashi, Naoki; and Ohi, Sankichi, 4,846,098, Cl. 118-300.000.
Asahi Corporation: *See—*
Kobayashi, Toshio, 4,802,668, Cl. 273-1.0GE.
Kobayashi, Toshio, 4,880,231, Cl. 273-1.0GD.
Kobayashi, Toshio, 4,883,273, Cl. 273-110.000.
Nakai, Hiromi; and Tsurumaki, Masao, 4,817,881, Cl. 242-55.19A.
Asahi Denka Kogyo K. K.: *See—*
Takeda, Satoru; Hayashi, Toshihiro; and Kohno, Hiroshige, 4,854,843, Cl. 425-437.000.
Asahi Denka Kogyo K.K.: *See—*
Fukushima, Takuo; Hayashida, Yasumasa; and Omi, Jinichi, 4,816,509, Cl. 524-413.000.
Yoshida, Kageo; Nittani, Osamu; Ito, Toshinobu; Kokura, Makoto; and Hirano, Kouzi, 4,842,743, Cl. 210-634.000.
Asahi Denka Kogyo Kabushiki Kaisha: *See—*
Endo, Takeshi; Nambu, Yoko; and Yamamoto, Kazutoshi, 4,841,058, Cl. 546-257.000.
Fujita, Satoshi; Nakai, Eiji; and Noike, Akira, 4,849,132, Cl. 252-356.000.
Itagaki, Kazuo; Yanagihara, Toshimichi, deceased; Maruzeni, Shouji; and Yasuda, Nozomi, 4,844,940, Cl. 426-607.000.
Kanai, Hiroshi; Oka, Joji; and Kojo, Hidehiko, 4,826,895, Cl. 523-443.000.
Kato, Masaaki; Shinohara, Katumi; and Sugiyama, Hiromu, 4,861,610, Cl. 426-582.000.
Maruzeni, Shouji; and Yanagihara, Toshimichi, deceased, 4,837,041, Cl. 426-611.000.
Maruzeni, Shouji; Matsumoto, Wataru; and Yasuda, Nozomi, 4,874,699, Cl. 435-135.000.
Ogou, Sunoo; Ishii, Shigemichi; Tagomori, Sadaaki; Fukushima, Takuo; and Hayashida, Yasumasa, 4,889,312, Cl. 249-216.000.
Uchida, Yasuzo; Nagasaki, Hitoshi; and Itoh, Makoto, 4,820,529, Cl. 426-7.000.
Uchida, Yasuzo; and Shirakawa, Yoichi, 4,861,602, Cl. 426-56.000.
Uchida, Yasuzo; and Shirakawa, Yoichi, 4,863,746, Cl. 426-56.000.
Yokobori, Hideo; Itagaki, Kazuo; Maruzeni, Shouji; and Yasuda, Nozomi, 4,847,105, Cl. 426-607.000.
Asahi Diamond Industrial Co., Ltd.: *See—*
Hirabayashi, Toshihiko; and Honda, Keiji, 4,800,686, Cl. 51-283.00R.
Okuzumi, Fuminori; and Matsuda, Junichi, 4,884,476, Cl. 76-101.00R.
Asahi Electronics Co., Ltd.: *See—*
Suzuki, Chiaki, 4,833,703, Cl. 379-67.000.
Asahi Fiber Glass Company Limited: *See—*
Endo, Noboru; Kikuchi, Yutaka; Yamatsuta, Kiichi; and Goto, Shoji, 4,822,525, Cl. 252-629.000.
Asahi Glass Company Ltd.: *See—*
Arai, Yoshimasa; Enamito, Satoshi; and Oda, Noriyuki, 4,875,335, Cl. 60-274.000.
Doi, Takao; Yamada, Yutaka; and Kozawa, Shigeyuki, 4,868,252, Cl. 525-530.000.
Gunjima, Tomoki; Kumai, Hiroshi; Akatsuka, Minoru; and T
chiya, Shoichi, 4,818,070, Cl. 350-334.000.
Gunjima, Tomoki; Kumai, Hiroshi; Tsuchiya, Shoichi; and Masuda, Kaoriko, 4,834,509, Cl. 350-347.00V.
Imamura, Takaharu; Tsuji, Hiroshi; Aruga, Chikao; and Kawa
sura, Tohru, 4,828,598, Cl. 65-104.000.
Kawakami, Keiichi; Takabatake, Mitsuo; and Chiba, Jin
4,883,705, Cl. 428-209.000.
Kijima, Takashi; Matsui, Jyun; Sera, Takaaki; Kobayash
Takayuki; Takakusa, Shunji; and Ogata, Hiroshi, 4,833,001, C
428-141.000.
Kobayashi, Shigeyoshi; Munekata, Seiji; Unoki, Masao; and Iwamoto, Toshio, 4,804,246, Cl. 350-96.340.
Kobayashi, Shigeyoshi; Yaba, Susumu; and Takigawa, Tomoya
4,880,163, Cl. 239-422.000.
Kudo, Masashi, 4,865,638, Cl. 65-273.000.
Kudo, Masashi, 4,865,639, Cl. 65-287.000.
Maekawa, Takashige; Oharu, Kazuya; and Sakaguchi, Tomok
4,859,754, Cl. 526-245.000.
Maruyama, Tsutomu; Matsumoto, Hidetoshi; and Miyake, Yo
shiyuki, 4,882,209, Cl. 428-34.100.
Misuda, Katsutoshi; and Hasegawa, Takafumi, 4,879,166, C
428-212.000.
Miyake, Haruhisa; Shin-ya, Seiji; and Furukawa, Yutaka, 4,814,41
Cl. 528-37.000.
Morimoto, Takeshi; Hamatani, Yoshiki; Yoshitake, Masaru; an
Yamada, Hidemi, 4,831,499, Cl. 361-806.000.
Morimoto, Takeshi; Endoh, Eiji; and Takemiya, Satoshi, 4,858,07
Cl. 361-527.000.
Morimoto, Takeshi; Sanada, Yasuhiro; Ohashi, Shinichi; an
Kimura, Yoshikatsu, 4,862,328, Cl. 361-502.000.
Morimoto, Takeshi; and Endoh, Eiji, 4,877,508, Cl. 204-290.00R
Oda, Noriyuki; Takehara, Tetsuo; and Enamito, Satoshi, 4,833,8
Cl. 60-311.000.
Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Mi
matsu, Keiji, 4,838,581, Cl. 285-47.000.
Oda, Noriyuki; Higashi, Katsumi; and Maeno, Hiroshi, 4,867,78
Cl. 55-302.000.
Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Mi
matsu, Keiji, 4,875,712, Cl. 285-47.000.
Ohta, Hironori; Kawaguchi, Toshiyasu; Mukaiyama, Takas
Matsuzaki, Katsuhiko; Ebisawa, Junichi; Taneda, Naoki; An
Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kin
Koushiro, 4,838,914, Cl. 65-2.000.
Otoshi, Sachio; and Hatayama, Hideaki, 4,822,498, Cl. 252-2.00
Oyama, Takuji; Suzuki, Koichi; and Mizuhashi, Mamo
4,859,532, Cl. 428-336.000.
Saito, Joichi; Wada, Hiroshi; Shibata, Shigehito; Watabe, Takas
Tanabe, Kiyoshi; and Kunii, Nobuaki, 4,808,636, Cl. 521-163.00
Saito, Yuichi; and Kadoo, Fumio, 4,828,364, Cl. 350-339.00F.
Shibata, Shinya; Hokusho, Takayasu; Tsunoda, Masakazu; a
Kawakami, Yasushi, 4,823,140, Cl. 343-713.000.
Suzuki, Koji; Tsukada, Tetsuro; Saito, Yoshihiko; Arai, Kiyoak
and Mori, Hiroshi, 4,872,958, Cl. 204-98.000.
Takayanagi, Takashi; Munekata, Seiji; Miyazaki, Nobuyuki; a
Moriwaki, Ken, 4,861,667, Cl. 428-421.000.
Uramoto, Joshin; Suzuki, Koichi; Oyama, Takuji; and Kojim
Hiroyasu, 4,885,068, Cl. 204-192.110.
Asahi Kasei Kogyo Kabushiki Kaisha: *See—*
Abe, Tsutomu; and Hiromitsu, Sagae, 4,833,077, Cl. 435-68.000
Fukawa, Isaburo; and Yoneda, Haruyuki, 4,804,735, C
528-125.000.
Fukumori, Kunihiko; and Kikuta, Hiroshi, 4,853,269, C
428-43.000.
Hamada, Tetsuo; Nakahashi, Junichi; and Nakai, Ryoich
4,885,340, Cl. 525-183.000.
Hayashi, Kenichi; Matsuoka, Yoshito; Kasahara, Michio; a
Morita, Naoki, 4,830,920, Cl. 428-421.000.
Hidaka, Hiroyoshi; and Morikawa, Anri, 4,798,897, C
546-139.000.
Hiraishi, Shigetoshi; Fuchigami, Mitsuru; Miyauchi, Masahiro; a
Kabashima, Kazuo, 4,880,767, Cl. 503-217.000.
Imanishi, Taichi; and Muraoka, Shigemitsu, 4,857,255, C
264-216.000.
Ishibashi, Tatsuhiro; Masushige, Yutaka; and Kai, Shou
4,846,085, Cl. 112-27.000.
Ishimura, Hidekazu; Otsuka, Masahiko; Takahashi, Yasushi; a
Ishikawa, Tadayoshi, 4,833,226, Cl. 528-45.000.
Ishio, Tadashi; and Matsumura, Daisuke, 4,863,768, Cl. 428-34.9
Kaieda, Takeji; Yamada, Kimimasa; and Yamawaki, Naoki
4,839,290, Cl. 435-240.230.
Kajihara, Junichi; Kiyota, Takao; and Hayashi, Hiroshi, 4,880,9
Cl. 530-413.000.
Kataoka, Hiroshi; Matsuzawa, Kinya; and Oda, Hiroji, 4,820,7
Cl. 526-255.000.
Kitagawa, Yuichi; Yamada, Haruo; and Saito, Akira, 4,835,209, C
524-507.000.
Komatsu, Yukinari; and Nakamura, Katsuyuki, 4,816,289, C
423-447.300.
Manabe, Sei-ichi; and Satani, Masuo, 4,808,315, Cl. 210-645.000
Manabe, Sei-ichi; and Satani, Masuo, 4,857,196, Cl. 210-500.30
Manabe, Seiichi; Iwata, Michitaka; and Inoue, Mamoru, 4,822,5
Cl. 264-41.000.
Matsuura, Susumu, 4,807,143, Cl. 364-468.000.
Miura, Morikazu, 4,885,086, Cl. 210-321.800.
Nakamura, Masao; and Tonokawa, Hiroshi, 4,878,520, Cl. 138-149.000.
Nakazaki, Nobuo; Ai, Hideo; and Miyao, Manabu, 4,839,261, Cl. 430-313.000.
Nakazima, Osamu; and Izawa, Shinichi, 4,863,996, Cl. 525-92.000.
Nejigaki, Tatuo; and Kakutani, Yoshimi, 4,840,769, Cl. 422-26.000.
Nohmi, Takashi; and Fukai, Toshibumi, 4,813,983, Cl. 55-158.000.
Nohmi, Takashi; and Hashino, Yasuo, 4,822,489, Cl. 210-500.230.
Noro, Shoji; and Mukaiyama, Shigemi, 4,842,678, Cl. 156-636.000.
Ohtake, Nobumitsu; and Kaneshima, Tokitaka, 4,863,887, Cl. 502-150.000.
Ohtani, Ikuji; Watanabe, Akihiro; Wada, Akihiro; and Kakuta, Rin-ichi, 4,820,778, Cl. 525-329.900.
Ohtani, Shigeki; and Suzuoki, Kazuhiro, 4,818,613, Cl. 428-396.000.
Okamoto, Toshiaki; Sunagawa, Tomoji; and Sato, Shun'ichi, 4,819,612, Cl. 126-263.000.
Okuno, Osamu; and Sugiyama, Shigeru, 4,877,308, Cl. 350-276.00R.
Saito, Kazuaki; Nishimura, Yoshifumi; and Izawa, Shinichi, 4,849,471, Cl. 525-66.000.
Sakata, Norihiko; and Miura, Nobuo, 4,868,055, Cl. 428-402.000.
Shibasaki, Ichiro; and Sugimoto, Yoshiyasu, 4,835,510, Cl. 338-32.00R.
Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, 4,820,768, Cl. 525-92.000.
Sukigara, Masayuki; Kaneko, Yasushi; and Kataoka, Hiroshi, 4,824,898, Cl. 524-401.000.
Suzuki, Yoshio; Nakamura, Mikihiko; and Aoshima, Atsushi, 4,820,796, Cl. 528-292.000.
Takasa, Kenji; and Iijima, Satoshi, 4,835,245, Cl. 528-230.000.
Takeda, Kunihiko, 4,803,057, Cl. 423-6.000.
Takeda, Noboru, 4,847,150, Cl. 428-318.800.
Teshima, Shinichi; Katsuta, Shigeki; Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, 4,842,369, Cl. 350-96.340.
Teshima, Shinichi, 4,889,408, Cl. 350-96.340.
Toyomoto, Kazuo; Terada, Eigo; Kobayashi, Hiroshi; and Kageura, Yoshiaki, 4,844,719, Cl. 55-16.000.
Ueyanagi, Kaoru; Oyabu, Norio; and Asahina, Yoshiyuki, 4,801,663, Cl. 525-528.000.
Usubuchi, Yutaka; and Mizuno, Masayoshi, 4,820,021, Cl. 350-276.00R.
Wada, Akihiro; Kakuta, Rin-ichi; Ohuchi, Kenji; Sugiyama, Jun; and Hasegawa, Shinji, 4,888,387, Cl. 525-66.000.
Wakamatsu, Hisashi; and Noaki, Yasuhide, 4,839,015, Cl. 204-290.00R.
Wallace, Robert B.; and Itoh, Hirataka, 4,879,226, Cl. 435-68.000.
Yamamoto, Fumihiko; and Misumi, Teruyuki, 4,855,365, Cl. 525-401.000.
Yokota, Masahisa; Shimizu, Atsushi; Komiya, Kyosuke; Yamataka, Kazunori; and Nonura, Tadanori, 4,855,377, Cl. 528-25.000.
Yoshikawa, Hiromichi; and Misumi, Teruyuki, 4,885,286, Cl. 514-120.000.
Yoshimura, Isao; Hata, Hideo; and Kaneko, Takashi, 4,835,218, Cl. 525-98.000.
Asahi, Kazumi: *See—*
Imahashi, Hiromichi; Kubo, Toshio; Asahi, Kazumi; Mukai, Hideyuki; and Ogata, Keizo, 4,863,679, Cl. 376-417.000.
Asahi Kogaku Kabushiki Kaisha: *See—*
Shindo, Osamu, 4,829,332, Cl. 354-407.000.
Asahi Kogaku Kogyo K.K.: *See—*
Kawasaki, Harumi; and Hara, Masato, 4,883,955, Cl. 250-231.0SE.
Negoro, Ikuo, 4,868,673, Cl. 358-296.000.
Asahi Kogaku Kogyo Kabushiki Kaisha: *See—*
Arai, Yasunori; Yoshida, Kazushi; and Iizuka, Takashi, 4,819,035, Cl. 355-55.000.
Arai, Yasunori; and Minefuji, Nobutaka, 4,832,465, Cl. 350-425.000.
Arai, Yasunori, 4,840,472, Cl. 350-442.000.
Hama, Yoshihiro, 4,890,132, Cl. 354-400.000.
Hirakawa, Jun, 4,836,663, Cl. 350-427.000.
Iima, Mitsunori, 4,812,026, Cl. 350-454.000.
Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, 4,798,585, Cl. 604-93.000.
Ito, Takayuki, 4,818,081, Cl. 350-423.000.
Ito, Takayuki, 4,836,660, Cl. 350-423.000.
Ito, Takayuki, 4,844,599, Cl. 350-426.000.
Iwanade, Hisao, 4,868,835, Cl. 372-26.000.
Kawasaki, Masahiro; and Sato, Osamu, 4,841,322, Cl. 354-400.000.
Kurei, Hiroshi; Arai, Akihiro; and Kobayashi, Takumi, 4,860,043, Cl. 354-286.000.
Kurosawa, Yuichi; Morisawa, Tahei; and Aoki, Harumi, 4,835,646, Cl. 360-109.000.
Maruyama, Koichi, 4,848,883, Cl. 350-427.000.
Matsuo, Hirofumi, 4,871,241, Cl. 350-427.000.
Minefuji, Nobutaka, 4,813,773, Cl. 350-425.000.
Morimoto, Akira; Saito, Taizo; and Nakatsue, Takehiro, 4,850,686, Cl. 350-484.000.
Negishi, Kiyoshi, 4,802,179, Cl. 372-38.000.
Negishi, Kiyoshi, 4,845,483, Cl. 340-825.160.
Negishi, Kiyoshi, 4,879,459, Cl. 250-205.000.
Negishi, Kiyoshin; Negoro, Ikuo; and Kita, Masahiro, 4,870,434, Cl. 346-160.000.
Negoro, Ikuo; and Kita, Masahiro, 4,890,140, Cl. 355-290.000.
Nishida, Takao, 4,833,499, Cl. 354-458.000.
Ogawa, Ryota; Toji, Shigeo; Yoshida, Kazushi; and Okura, Zenichi, 4,890,133, Cl. 354-402.000.
Oono, Masahiro, 4,886,362, Cl. 356-349.000.
Saito, Taizo, 4,823,002, Cl. 250-235.000.
Sasaki, Mashiko, 4,862,445, Cl. 369-75.200.
Sato, Shigetada, 4,812,022, Cl. 350-426.000.
Shimbo, Kazuyuki; and Nishimura, Katsuhiko, 4,857,959, Cl. 355-276.000.
Shindo, Osamu; and Ogawa, Ryota, 4,808,806, Cl. 250-201.000.
Shindo, Osamu, 4,828,381, Cl. 351-211.000.
Sugawara, Saburo, 4,833,497, Cl. 354-403.000.
Suzuki, Minoru; and Minefuji, Nobutaka, 4,825,252, Cl. 355-32.000.
Suzuki, Noboru; and Toji, Shigeo, 4,853,732, Cl. 354-402.000.
Suzuki, Noboru; and Tohji, Shigeo, 4,868,592, Cl. 354-400.000.
Suzuki, Noboru; Toji, Shigeo; and Uenaka, Yukio, 4,876,603, Cl. 358-227.000.
Takami, Satoshi; and Ohsawa, Yutaka, 4,806,748, Cl. 250-214.00R.
Takami, Satoshi; and Ohsawa, Yutaka, 4,831,400, Cl. 354-271.100.
Takami, Satoshi; and Ohsawa, Yutaka, 4,872,069, Cl. 354-484.000.
Takeyasu, Hatsuichi; Sakata, Kenichi; and Yura, Fumitoshi, 4,884,856, Cl. 350-6.800.
Tanaka, Hitoshi, 4,854,673, Cl. 350-255.000.
Tejima, Yasuyuki; Sugawara, Saburo; and Yuda, Hideaki, 4,870,442, Cl. 354-403.000.
Tomori, Yasumasa; and Sekiguchi, Tetsuo, 4,822,153, Cl. 350-429.000.
Tsuru, Sumiaki; Mori, Shoichi; Komatsu, Noriko; and Fujii, Shigeo, 4,865,733, Cl. 210-266.000.
Ueda, Toshiaki, 4,847,647, Cl. 354-149.100.
Ueda, Toshiaki; Nomura, Katsuhiko; and Takaoka, Yukio, 4,863,812, Cl. 429-9.000.
Ukaji, Shiroh; Kimura, Hisao; Urata, Kenji; and Kaneda, Toshio, 4,859,824, Cl. 219-69.150.
Yamagata, Masakazu, 4,874,220, Cl. 350-96.260.
Yamamoto, Masato; Nakajima, Masahiro; and Yamanaka, Toshimasa, 4,881,098, Cl. 354-403.000.
Yamamoto, Masato; Nakajima, Masahiro; and Yamanaka, Toshimasa, 4,887,114, Cl. 354-288.000.
Asahi, Masahiko: *See—*
Komori, Takashi; Asahi, Masahiko; and Suzuki, Toshiyuki, 4,839,162, Cl. 424-63.000.
Asahi Medical Co., Ltd: *See—*
Yamanaka, Naoki; and Yoshida, Makoto, 4,863,850, Cl. 435-7.000.
Asahi Mini Rope Hanbai Kabushiki Kaisha: *See—*
Saruta, Minoru; and Matsumoto, Munechika, 4,846,772, Cl. 474-271.000.
Asahi, Naotatsu: *See—*
Doi, Masayuki; Asahi, Naotatsu; Kojima, Yoshitaka; Kanamaru, Hisanobu; and Aoyama, Susumu, 4,873,150, Cl. 428-627.000.
Asahi, Nobumitsu; Ikeda, Tetsuo; and Kawase, Seiji, to Kabushiki Kaisha Kenwood. Frequency converting apparatus. 4,855,894, 8-8-89, Cl. 363-157.000.
Asahi, Nobumitsu; and Nakazawa, Akira, to Kabushiki Kaisha Kenwood. AM digital demodulator. 4,857,859, 8-15-89, Cl. 329-104.000.
Asahi Optical Co., Ltd.: *See—*
Hashimoto, Isamu; and Nishida, Takao, 4,855,772, Cl. 354-173.100.
Kobayashi, Takeo; and Numako, Norio, 4,855,782, Cl. 354-475.000.
Nishikawa, Koichiro, 4,868,377, Cl. 250-201.000.
Asahi Research Corporation: *See—*
Yamada, Masahiro, 4,881,128, Cl. 358-228.000.
Asahi, Satoru; Tsunemi, Yutaka; and Doi, Muneharu, to Takeda Chemical Industries, Ltd. Method for production of cytidine and/or deoxycytidine. 4,839,285, 6-13-89, Cl. 435-87.000.
Asahi, Satoru: *See—*
Tsunemi, Yutaka; Asahi, Satoru; and Doi, Muneharu, 4,880,736, Cl. 435-87.000.
Asahi, Satoshi: *See—*
Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,822,059, Cl. 277-152.000.
Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,834,397, Cl. 277-152.000.
Asahi Seiko Kabushiki Kaisha: *See—*
Abe, Hiroshi, 4,842,119, Cl. 194-317.000.
Asahi Seimitsu Kabushiki Kaisha: *See—*
Tanaka, Masahiro, 4,837,938, Cl. 33-438.000.
Asahi, Shigeo, to Kabushiki Kaisha Toshiba. Centralized control system for controlling loads such as an electric motor. 4,835,706, 5-30-89, Cl. 364-492.000.
Asahina, Michio; and Goto, Makio, to Seiko Epson Corporation. Semiconductor device and method of preparation. 4,826,781, 5-2-89, Cl. 437-41.000.
Asahina, Takashi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; Kodama, Satoru; and Tsujimoto, Masaharu, to Matsushita Electric Industrial Co., Ltd. Installation method of a kneading trough in an oven and its apparatus. 4,870,896, 10-3-89, Cl. 99-348.000.
Asahina, Yasuo: *See—*
Nakayama, Nobuhiro; Asahina, Yasuo; Fushimi, Hiroyuki; and Iwamoto, Yasuaki, 4,841,331, Cl. 355-245.000.
Asahina, Yoshiyuki: *See—*
Ueyanagi, Kaoru; Oyabu, Norio; and Asahina, Yoshiyuki, 4,801,663, Cl. 525-528.000.
Asai, Akira, to Canon Kabushiki Kaisha. Liquid injection recording system, a liquid injection head, a base plate for the recording head, and a recording apparatus having the liquid injection recording head. 4,831,391, 5-16-89, Cl. 346-140.00R.

- Asai, Fumiyasu: *See—*
  - Komori, Shinji; Takata, Hidehiro; Tamura, Toshiyuki; and Asai, Fumiyasu, 4,882,704, Cl. 364-900.000.
- Asai Germanium Research Institute: *See—*
  - Orimo, Hajime; Kakimoto, Norihiro; and Miyao, Kohei, 4,822,817, Cl. 514-492.000.
- Asai, Hajime: *See—*
  - Uno, Hirofumi; Asai, Hajime; and Nakao, Fujio, 4,814,157, Cl. 423-447.100.
- Asai, Hiroko: *See—*
  - Sawada, Nobuo; and Asai, Hiroko, 4,843,569, Cl. 364-518.000.
- Asai, Hironobu; and Oikawa, Takeshi, to Ando Electric Co., Ltd. Probe for in-circuit emulator. 4,832,621, 5-23-89, Cl. 439-492.000.
- Asai, Hironori: *See—*
  - Sato, Hideki; Mizunoya, Nobuyuki; Asai, Hironori; Anzai, Kazuo; and Hatano, Tsuyoshi, 4,883,704, Cl. 428-209.000.
- Asai, Ikuo, to Kabushiki Kaisha Meiki Seisakusho. Mold assembly of injection-molding machine. 4,795,127, 1-3-89, Cl. 249-103.000.
- Asai, Jun: *See—*
  - Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, 4,814,886, Cl. 358-293.000.
- Asai, Junichi: *See—*
  - Kobayashi, Takeshi; and Asai, Junichi, 4,824,330, Cl. 417-295.000.
  - Kobayashi, Takeshi; and Asai, Junichi, 4,881,878, Cl. 417-295.000.
  - Kobayashi, Takeshi; and Asai, Junichi, 4,887,943, Cl. 417-295.000.
- Asai, Katsuya; and Masaki, Hideyuki, to NGK Insulators, Ltd. Porous structure of fluid contact. 4,882,130, 11-21-89, Cl. 422-310.000.
- Asai, Kazumitsu: *See—*
  - Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,854,769, Cl. 404-72.000.
  - Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,861,189, Cl. 404-84.000.
  - Takizawa, Seiichiro; Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,852,278, Cl. 37-197.000.
  - Yazawa, Masayuki; Fukukawa, Mitsuo; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,801,219, Cl. 404-125.000.
- Asai, Keizo: *See—*
  - Nakai, Tetsuo; Yazu, Syuzi; Asai, Keizo; and Kumazawa, Yoshiaki, 4,828,611, Cl. 75-237.000.
- Asai, Kiyotsugu: *See—*
  - Aoki, Masaaki; Tani, Mayumi; Kamiyama, Masayuki; and Asai, Kiyotsugu, 4,880,869, Cl. 524-773.000.
- Asai, Ko; and Morita, Koichiro, to NEC Corporation. Image input device for processing a fingerprint prior to identification. 4,872,203, 10-3-89, Cl. 382-4.000.
- Asai, Ko: *See—*
  - Morita, Koichiro; and Asai, Ko, 4,827,527, Cl. 382-4.000.
- Asai, Koichi: *See—*
  - Miyazaki, Kenichi; Iizuka, Toshiaki; and Asai, Koichi, 4,834,007, Cl. 112-121.110.
- Asai, Kuniaki: *See—*
  - Saito, Teruo; Asai, Kuniaki; and Suzuki, Yasurou, 4,804,697, Cl. 524-80.000.
  - Tatsukami, Yoshiharu; Inoue, Masakazu; Asai, Kuniaki; and Hieda, Kazuo, 4,843,113, Cl. 524-425.000.
- Asai, Masahiko: *See—*
  - Katagiri, Shingo; Mori, Keiji; and Asai, Masahiko, 4,840,326, Cl. 242-199.000.
- Asai, Masaki, to Kabushiki Kaisha MEC Laboratories. Electric wire. 4,820,012, 4-11-89, Cl. 350-96.230.
- Asai, Masato: *See—*
  - Oyama, Yoshimasa; Asai, Masato; Tanigawa, Toru; Shinozaki, Shigeo; and Shiga, Shoji, 4,822,560, Cl. 420-470.000.
- Asai, Nobuko: *See—*
  - Kitaura, Yoshihiko; Ito, Fumitaka; Stevens, Rodney W.; and Asai, Nobuko, 4,835,166, Cl. 514-339.000.
- Asai, Nobuteru: *See—*
  - Sakai, Yasuo; and Asai, Nobuteru, 4,845,612, Cl. 364-200.000.
- Asai, Shin; Miyakoshi, Kazumitsu; and Mochisuki, Daisuke, to Sharp Kabushiki Kaisha. Digital filter. 4,817,025, 3-28-89, Cl. 364-724.010.
- Asai, Showji: *See—*
  - Otaka, Masashi; and Asai, Showji, 4,818,317, Cl. 156-89.000.
- Asai, Shunji, to Sanyo Electric Co., Ltd. Switching regulator type power supply circuit. 4,802,076, 1-31-89, Cl. 363-19.000.
- Asai, Sotoju: *See—*
  - Kimata, Masafumi; Yamawaki, Masao; and Asai, Sotoju, 4,831,426, Cl. 357-24.000.
- Asai, Susumu; Sugimoto, Haruhide; Fujisaki, Masaru; Shigetomi, Tadatoshi; and Kobayashi, Hisatoshi, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle frame. 4,887,687, 12-19-89, Cl. 180-219.000.
- Asai, Tadamichi: *See—*
  - Ogawa, Toshio; Fujii, Mituru; Asai, Tadamichi; Ikegami, Akira; Ohtsu, Hiroshi; and Ato, Kazuhiko, 4,873,022, Cl. 428-209.000.
- Asai, Takayasu: *See—*
  - Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, 4,883,338, Cl. 350-96.340.
- Asai, Takeshi: *See—*
  - Kondoh, Eiki; Morinaga, Shigeki; Yaginuma, Takao; and Asai, Takeshi, 4,888,721, Cl. 364-736.000.
- Asai, Toshihiro; and Hagiwara, Katsunobu, to Kabushiki Kaisha Kobe Seiko Sho. Closed mixing machine. 4,859,074, 8-22-89, Cl. 366-97.000.
- Asai, Tsunetoshi: *See—*
  - Maeda, Shigeyoshi; Asai, Tsunetoshi; Asano, Hidejiro; and Taguchi, Haruyoshi, 4,877,664, Cl. 428-35.900.
- Asai, Yoshiharu; Tsukamoto, Shinji; and Murata, Shuji, to Ishida Scales Mfg. Co., Ltd. Weighing apparatus with radio interference protection. 4,852,673, 8-1-89, Cl. 177-25.180.
- Asai, Yoshiro, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Intake passage apparatus for internal combustion engine. 4,803,962, 2-14-89, Cl. 123-52.0MC.
- Asai, Yoshiro, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Electromagnetic valve. 4,875,658, 10-24-89, Cl. 251-129.210.
- Asaida, Takashi: *See—*
  - Yamamoto, Isamu; and Asaida, Takashi, 4,816,917, Cl. 358-213.160.
  - Yamamoto, Isamu; and Asaida, Takashi, 4,875,098, Cl. 358-213.160.
- Asak, Kare, to Drill Systems International Ltd. Latching bit sub. 4,860,838, 8-29-89, Cl. 175-320.000.
- Asaka, Akira: *See—*
  - Nishio, Masakazu; and Asaka, Akira, 4,833,820, Cl. 47-1.100.
- Asaka, Akiyoshi: *See—*
  - Obayashi, Hisashi; Tanabayashi, Chikara; Asaka, Akiyoshi; and Gotou, Yukio, 4,886,656, Cl. 424-10.000.
- Asaka Company Limited: *See—*
  - Makagawa, Shozo; Onishi, Shunichi; and Takagi, Akihiro, 4,802,021, Cl. 358-342.000.
- Asaka, Junichiro; Fujiwara, Tamio; Fujiwara, Takashi; Kuwajima, Goro; Kondo, Eiji; and Shin, Masaru, to Shionogi & Co., Ltd. DNA encoding flagellin and vector having the same. 4,886,748, 12-12-89, Cl. 435-69.700.
- Asaka, Toshifumi: *See—*
  - Morimoto, Shigeo; Takahashi, Yoko; Watanabe, Yoshiaki; Adachi, Takashi; Asaka, Toshifumi; and Sota, Kaoru, 4,833,236, Cl. 536-7.200.
- Asaka, Toshiyuki: *See—*
  - Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; Uchida, Takao; and Asaka, Toshiyuki, 4,857,005, Cl. 439-140.000.
  - Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; and Asaka, Toshiyuki, 4,869,605, Cl. 400-124.000.
- Asakawa, Eiji: *See—*
  - Kagami, Toshihiko; Kobayashi, Kazuyoshi; Asakawa, Eiji; Osada, Atushi; Hara, Kozo; and Abe, Yasuji, 4,859,993, Cl. 340-674.000.
- Asakawa, Hiroyoshi: *See—*
  - Matsumoto, Kozo; and Asakawa, Hiroyoshi, 4,848,672, Cl. 239-590.500.
- Asakawa, Kazuo; Onda, Nobuhiko; Akita, Tadashi; and Kamada, Toru, to Fujitsu Limited. Force-detecting apparatus. 4,862,751, 9-5-89, Cl. 73-862.040.
- Asakawa, Kazuo, to Fujitsu Limited. Force controlling system. 4,872,803, 10-10-89, Cl. 414-730.000.
- Asakawa, Naoki: *See—*
  - Kakimoto, Fumio; Asakawa, Naoki; Ishibashi, Yasuo; and Miyake, Yasuo, 4,837,022, Cl. 424-94.300.
- Asakawa, Toshiyuki: *See—*
  - Kitajima, Tadayuki; Asakawa, Toshiyuki; Naito, Masataka; Matsuo, Kazuhiro; and Murayama, Toshiaki, 4,854,571, Cl. 271-293.000.
- Asako, Koji: *See—*
  - Muto, Yoshio; Takahashi, Mitsuo; and Asako, Koji, 4,811,137, Cl. 360-77.200.
- Asako, Shigeru: *See—*
  - Okita, Koichi; Asako, Shigeru; Yamada, Katsuya; Okabe, Kazuhiro; and Kashiwagi, Tohru, 4,822,361, Cl. 623-12.000.
- Asakura, Hiroshi, to Toyo Chemical Co., Ltd. Method for continuously manufacturing synthetic resin tube. 4,878,976, 11-7-89, Cl. 156-190.000.
- Asakura, Hiroshi: *See—*
  - Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.
- Asakura, Hiroyuki: *See—*
  - Hir[illegible], Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shinsuke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiromichi, 4,850,692, Cl. 356-1.000.
- Asakura, Koichi; Demura, Makoto; and Matsumoto, Takenori, to Brother Kogyo Kabushiki Kaisha. Thread cutting machine with synchronized feed and rotation motors. 4,879,660, 11-7-89, Cl. 364-474.150.
- Asakura, Masahiko; Seki, Yasunari; Shiina, Takanori; and Muroya, Minoru, to Honda Giken Kogyo Kabushiki Kaisha. Oxygen concentration sensing apparatus. 4,804,454, 2-14-89, Cl. 204-406.000.
- Asakura, Masahiko; Kawanabe, Tomohiko; Muroya, Minoru; Kubota, Shin'ichi; Kimura, Katsuhiko; Seki, Yasunari; and Matsuura, Koji, to Honda Giken Kogyo Kabushiki Kaisha. Oxygen concentration sensing apparatus. 4,818,362, 4-4-89, Cl. 204-406.000.
- Asakura, Masahiko; Kawanabe, Tomohiko; and Kushida, Noritaka, to Honda Giken Kogyo Kabushiki Kaisha. Device for detecting air-fuel ratio of engine. 4,842,711, 6-27-89, Cl. 204-406.000.
- Asakura, Masahiko; Shiina, Takanori; Ueda, Masahiro; Kubota, Shin'ichi; Kawanabe, Tomohiko; Kushida, Noritaka; and Muroya, Minoru, to Honda Giken Kogyo Kabushiki Kaisha. Air-fuel ratio control system for an internal combustion engine with an engine load responsive correction operation. 4,870,586, 9-26-89, Cl. 364-431.060.
- Asakura, Masahiko: *See—*
  - Hibino, Yoshitaka; Fukuzawa, Takeshi; Sato, Hiromitsu; Asakura, Masahiko; and Totsune, Atsushi, 4,803,898, Cl. 74-860.000.
  - Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Hasebe, Hiroshi; and Yamada, Tessho, 4,808,269, Cl. 204-1.000.

  - Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Kubota, Shin'ichi; Matsumoto, Yukihiro; Arai, Yasuhisa; and Hosaka, Takefumi, 4,843,550, Cl. 364-424.100.
  - Kawanabe, Tomohiko; Asakura, Masahiko; Kimura, Katsuhiko; Seki, Yasunari; Matsuura, Kouji; and Hasebe, Hiroshi, 4,868,756, Cl. 364-442.000.
  - Kurihara, Norimitsu; and Asakura, Masahiko, 4,885,692, Cl. 364-426.040.
  - Sato, Hiromitsu; Kubota, Shinichi; Totsune, Atsushi; and Asakura, Masahiko, 4,882,538, Cl. 324-127.000.
- Asakura, Masakatsu, to Mitsubishi Denki Kabushiki Kaisha. Three-phase transformer for cycloconverter. 4,853,664, 8-1-89, Cl. 336-12.000.
- Asakura, Osamu; Uchikata, Yoshio; Kawazoe, Kenji; Sukigara, Akihiko; Shibamiya, Yoshikazu; and Mizoguchi, Shigeru, to Canon Kabushiki Kaisha. Recording apparatus. 4,887,096, 12-12-89, Cl. 346-76.0PH.
- Asakura, Sotoo: *See—*
  - Ueda, Yoshio; Asakura, Sotoo; Murakami, Yoshio; and Nakate, Toshiomi, 4,889,721, Cl. 424-448.000.
- Asakura, Takashi: *See—*
  - Yamada, Katsuhiko; Ojima, Kunio; Asakura, Takashi; Yamamori, Yusuke; and Nakamura, Yukihiro, 4,871,146, Cl. 266-106.000.
- Asakura, Toshimitsu, to Honda Giken Kogyo Kabushiki Kaisha. Front fork of a motorcycle. 4,878,558, 11-7-89, Cl. 180-219.000.
- Asakura, Toshimitsu: *See—*
  - Hattori, Shigeru; and Asakura, Toshimitsu, 4,799,569, Cl. 180-219.000.
  - Tsunoda, Kazuhiko; Furuyama, Hiroyuki; Asakura, Toshimitsu; and Tagami, Tomoyuki, 4,805,716, Cl. 180-219.000.
- Asakura, Tsutou: *See—*
  - Takanashi, Itsuo; Nakagaki, Shintaro; Iwahara, Makoto; Shinonaga, Hirohiko; Furuya, Masato; and Asakura, Tsutou, 4,831,452, Cl. 358-213.140.
  - Takanashi, Itsuo; Nakagaki, Shintaro; Shinonaga, Hirohiko; Asakura, Tsutou; and Furuya, Masato, 4,890,124, Cl. 346-160.000.
- Asakura, Yamato; Endo, Masao; Uchida, Shunsuke; Matsuda, Masami; and Suzuki, Kazumichi, to Hitachi, Ltd. Method and apparatus for analyzing the electrode inpedance. 4,831,324, 5-16-89, Cl. 324-57.00R.
- Asakura, Yamato: *See—*
  - Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi, 4,853,638, Cl. 324-441.000.
- Asakura, Yasuo; and Toyofuku, Toshiyuki, to Olympus Optical Company Limited. Diaphragm apparatus for camera. 4,862,207, 8-29-89, Cl. 354-453.000.
- Asal, Michael D.: *See—*
  - Simpson, Richard D.; and Asal, Michael D., 4,849,920, Cl. 364-615.100.
- Asama Chemical Co., Ltd.: *See—*
  - Yokotsuka, Koki; Kushida, Tadae; Kanai, Yumiko; Aihara, Toshihide; Yajima, Mizuo; and Nakajima, Tomoyoshi, 4,820,520, Cl. 424-439.000.
- Asama, Shoji: *See—*
  - Ishijo, Osamu; Asama, Shoji; and Kuwabara, Tsutomu, 4,832,780, Cl. 156-360.000.
- Asami, Akira: *See—*
  - Suzuki, Osamu; Ishizaki, Kanjiro; Asami, Akira; and Kushida, Shizuko, 4,826,035, Cl. 220-203.000.
- Asami, Eiichi: *See—*
  - Hamai, Jitsuo; Hamai, Hiroyuki; and Asami, Eiichi, 4,851,734, Cl. 313-485.000.
- Asami, Fumitaka: *See—*
  - Abe, Masato; and Asami, Fumitaka, 4,811,260, Cl. 364-724.010.
- Asami, Goro, to Nifco, Inc. Clip. 4,850,773, 7-25-89, Cl. 411-173.000.
- Asami, Heizo: *See—*
  - Fujii, Katsuhiko; Sato, Shiro; Miyanaga, Yasuhiro; Asami, Heizo; Takekoshi, Susumu; and Kasai, Yasuo, 4,856,849, Cl. 301-63.00R.
- Asami, Hiroshi: *See—*
  - Oda, Yasukage; and Asami, Hiroshi, 4,827,737, Cl. 62-51.300.
  - Oda, Yasukage; and Asami, Hiroshi, 4,831,845 Cl. 62-51.100.
- Asami, Katsuhiko: *See—*
  - Hashimoto, Koji; Yoshioka, Hideaki; Asami, Katsuhiko; and Kawashima, Asahi, 4,834,806, Cl. 148-4.000.
  - Hashimoto, Koji; Kanda, Toshihisa; Kawashima, Asahi; and Asami, Katsuhiko, 4,868,073, Cl. 429-40.000.
  - Hashimoto, Koji; Miura, Kimikado; Asami, Katsuhiko; and Kawashima, Asahi, 4,880,482, Cl. 148-403.000.
- Asami, Kazuo; and Ogasawara, Fumihiro, to Ricoh Company, Ltd. Facsimile transmission control method in which a frame of stored image data is transmitted when either a predetermined time has elapsed or a predetermined amount of image data has been stored. 4,841,373, 6-20-89, Cl. 358-257.000.
- Asami, Kazutomo; Yamada Hidehiko; and Shimizu, Nobuhiro, to Mitsubishi Denki Kabushiki Kaisha. Rotary type compressing apparatus employing exhaust gas control valve. 4,830,582, 5-16-89, Cl. 417-312.000.
- Asami, Keiichi: *See—*
  - Echigo, Yoshiaki; Sugawara, Kenichi; Yamao, Mutsunori; Suematu, Yoshiyuki; Asami, Keiichi; and Ohsawa, Tuneyuki, 4,839,445, Cl. 525-503.000.
- Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio, to Toyota Jidosha Kabushiki Kaisha; and Nippondenso Co., Limited. Failure diagnosis system for vehicle. 4,817,418, 4-4-89, Cl. 73-118.100.
- Asami, Ken: *See—*
  - Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, 4,882,530, Cl. 318-696.000.
  - Kishimoto, Masashi; Asami, Ken; and Sakai, Kazunori, 4,805,104, Cl. 364-426.010.
- Asami, Kenitiro: *See—*
  - Yasuda, Shigeru; Yasukawa, Kenichiro; Nakamura, Tsutomu; and Asami, Kenitiro, 4,878,129, Cl. 358-342.000.
- Asami, Kiyoshi: *See—*
  - Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, 4,855,106, Cl. 420-109.000.
- Asami, Masahiro, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,879,206, 11-7-89, Cl. 430-550.000.
- Asami, Masahiro: *See—*
  - Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; and Nishikawa, Toshihiro, 4,820,624, Cl. 430-567.000.
  - Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; Nishikawa, Toshihiro; Sakanoue, Kei; and Abe, Akira, 4,865,962, Cl. 430-567.000.
  - Momoki, Yasuhito; Asami, Masahiro; Sakai, Nobuo; and Otani, Shigeaki, 4,853,321, Cl. 430-380.000.
- Asami, Osamu: *See—*
  - Maeda, Hiroshi; Matsumura, Yasuhiro; Asami, Osamu; Tanaka, Hideyuki; and Sasaki, Ikuharu, 4,844,897, Cl. 424-94.300.
- Asami, Seiichi; and Hamanaka, Toshiyuki, to NGK Insulators, Ltd. Cordierite ceramic body having low thermal expansion coefficient, process for producing the same, and method of evaluating cordierite composition. 4,851,376, 7-25-89, Cl. 501-119.000.
- Asami, Seiichi: *See—*
  - Hamaguchi, Kunikazu; Hamanaka, Toshiyuki; Harada, Takashi; and Asami, Seiichi, 4,849,275, Cl. 428-116.000.
  - Harada, Takashi; Hamanaka, Toshiyuki; Hamaguchi, Kunikazu; and Asami, Seiichi, 4,869,944, Cl. 428-116.000.
  - Wakasa, Akinori; Machida, Minoru; Miyakawa, Yasuhiro; and Asami, Seiichi, 4,856,472, Cl. 123-270.000.
- Asami, Shuji: *See—*
  - Makino, Takashi; and Asami, Shuji, 4,820,943, Cl. 307-603.000.
- Asami, Tetsuya: *See—*
  - Kakumu, Masakazu; and Asami, Tetsuya, 4,800,176, Cl. 437-193.000.
- Asami, Toshiaki; Ikeda, Takayuki; Mogi, Toru; and Kobayashi, Tomie, to Diesel Kiki Co., Ltd. Two-way delivery valve structure of a fuel discharge valve in a fuel injection pump. 4,834,134, 5-30-89, Cl. 137-493.300.
- Asanabe, Sadao: *See—*
  - Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.
- Asanae, Masumi; and Kumakura, Toshio, to Hitachi Metals, Ltd. Electrophotographic reversal development method using magnetic field and specified development gap. 4,865,936, 9-12-89, Cl. 430-100.000.
- Asanae, Masumi; and Fumio, Kimura, to Hitachi Metals, Ltd. Image recording method. 4,873,540, 10-10-89, Cl. 346-160.100.
- Asanaka, Shinji: *See—*
  - Morishita, Takuya; Okuda, Atushi; and Asanaka, Shinji, 4,852,208, Cl. 15-339.000.
- Asano, Akio, to Mikasa Sangyo Co., Ltd. Safety device for control lever of construction machines. 4,799,398, 1-24-89, Cl. 74-473.00R.
- Asano, Fumio, to Fuji Xerox Co., Ltd. Method and system of driving light source. 4,796,093, 1-3-89, Cl. 358-280.000.
- Asano, Fumio: *See—*
  - Imai, Nobuhiro; and Asano, Fumio, 4,887,103, Cl. 346-160.100.
- Asano, Fumitaka: *See—*
  - Asano, Kiyokazu; and Asano, Fumitaka, 4,850,220, Cl. 73-196.000.
- Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, to Matsushita Electric Industrial Co., Ltd.; Sanyo Electric Co., Ltd.; Mitsubishi Denki Kabushiki Kaisha; and Sharp Corporation. Tag Data processing apparatus for a data flow computer. 4,841,436, 6-20-89, Cl. 364-200.000.
- Asano, Hajime: *See—*
  - Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.
  - Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
  - Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.
- Asano, Hazime: *See—*
  - Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,800,522, Cl. 364-900.000.
  - Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,814,987, Cl. 364-419.000.
- Asano, Hidejiro: *See—*
  - Maeda, Shigeyoshi; Asai, Tsunetoshi; Asano, Hidejiro; and Taguchi, Haruyoshi, 4,877,664, Cl. 428-35.900.
- Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara,

Yoshimitsu; and Takada, Yukihiko, to Hitachi, Ltd. Mechanical part mounting chassis with integrated circuit. 4,810,048, 3-7-89, Cl. 350-96.110.

- Asano, Hideki: *See—*
  - Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.
- Asano, Hiroaki; Nakamura, Keiichi; Yamamoto, Masaji; Tanooka, Shigeo; and Sakai, Toshifumi, to Toyoda Koki Kabushiki Kaisha. A driving force distribution transmission for vehicles with four-wheel drive. 4,817,751, 4-4-89, Cl. 180-233.000.
- Asano, Hiroaki, to Toyoda Koki Kabushiki Kaisha. Four-wheel drive system. 4,821,604, 4-18-89, Cl. 74-718.000.
- Asano, Hiroaki; Tsujiuchi, Toshio; Yoneda, Takao; Ishihara, Nobuhiro; Maruyama, Toshio; and Ohta, Norio, to Toyoda-Koki Kabushiki-Kaisha. Numerically controlled machine tool. 4,873,793, 10-17-89, Cl. 51-165.710.
- Asano, Hisashi, to Sony Corporation. Apparatus for recording and reproducing a signal. 4,831,467, 5-16-89, Cl. 360-72.200.
- Asano, Hisashi: *See—*
  - Inazawa, Yoshizumi; and Asano, Hisashi, 4,821,128, Cl. 360-72.200.
- Asano, Ichiro; and Uno, Toshihiko, to Horiba, Ltd. Method of using an opto-acoustic apparatus for measuring concentration of gas. 4,817,413, 4-4-89, Cl. 73-24.000.
- Asano, Isao; Saito, Shoichiro; Kaneko, Tooru; Kowaguchi, Toru; Mitsuishi, Tetsuya; and Yoshida, Hiroshi, to Alps Electric Co., Ltd. Method of controlling a disk head position by individually timing zones servo information. 4,819,095, 4-4-89, Cl. 360-77.040.
- Asano, Isao, to Alps Electric Co., Ltd. Floating head slider device for magnetic disk apparatus. 4,819,100, 4-4-89, Cl. 360-97.010.
- Asano, Katsuhiko; and Hashimoto, Hiroshi, to Hitachi, Ltd. Iron core of electromagnet and method of producing the same. 4,887,059, 12-12-89, Cl. 335-281.000.
- Asano, Katsuhiko: *See—*
  - Okamura, Katsutoshi; Esaki, Yasuo; Matsuzawa, Koichi; and Asano, Katsuhiko, 4,880,650, Cl. 426-330.400.
- Asano, Katuhiko; and Suzuki, Takao, to Hitachi, Ltd. Superconducting coil refrigerating method and superconducting apparatus. 4,872,314, 10-10-89, Cl. 62-49.100.
- Asano, Kazuhiko: *See—*
  - Matsuoka, Akira; and Asano, Kazuhiko, 4,826, 6, Cl. 55-388.000.
  - Yoshimi, Satoshi; Matsuoka, Akira; and Asano, Kazuhiko, 4,818,602, Cl. 428-304.400.
- Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, to Seiko Instruments & Electronics Ltd. Data stored display device. 4,853,682, 8-1-89, Cl. 340-706.000.
- Asano, Kazunori; and Aoki, Toshihiko, to Kato Hatsujo Kaisha, Ltd.; and Ohi Seisakusho Co., Ltd. Cap fitting structure for shaft member. 4,834,573, 5-30-89, Cl. 403-344.000.
- Asano, Kazuo; Takai, Toshihiro; and Kinoshita, Masayasu, to Kabushiki Kaisha Asano Kenkyusho. Centering device for plastic web. 4,826,421, 5-2-89, Cl. 425-403.100.
- Asano, Kazuo; Oku, Masahiro; Idei, Mitsushige; and Kojima, Yoshihide, to Sumitomo Rubber Industries, Ltd. Radial tire profile. 4,867,218, 9-19-89, Cl. 152-454.000.
- Asano, Kazuo: *See—*
  - Masuda, Koji; Suemitsu, Yuji; and Asano, Kazuo, 4,875,060, Cl. 346-155.000.
- Asano, Kazutaka: *See—*
  - Nakane, Shinichi; Uno, Takashi; and Asano, Kazutaka, 4,866,633, Cl. 364-510.000.
- Asano, Kenichi: *See—*
  - Kikuchi, Hiroaki; Asano, Kenichi; Tanno, Okikazu; and Goda, Naofumi, 4,809,067, Cl. 358-135.000.
  - Kubo, Tsutomu; Asano, Kenichi; Kikuchi, Hiroaki; and Suzuki, Mitsuyoshi, 4,837,632, Cl. 358-222.000.
- Asano, Kenji: *See—*
  - Takemoto, Yoshiro; and Asano, Kenji, 4,850,103, Cl. 29-827.000.
- Asano, Kenzi: *See—*
  - Takakura, Tetsuya; Asano, Kenzi; and Sugahara, Kazuyuki, 4,801,548, Cl. 435-301.000.
- Asano, Kiro; Matsudaira, Tadahiro; Tamura, Humio; Suzuki, Toichi; and Wada, Hisayuki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Immunoregulator comprising a derivative of estradiol. 4,885,290, 12-5-89, Cl. 514-182.000.
- Asano, Kiyokazu; and Asano, Fumitaka. Apparatus for measuring amount of ultrafiltrate and concentration of receiving solvent in dialysis. 4,850,220, 7-25-89, Cl. 73-196.000.
- Asano, Koji; and Okawa, Masao, to Sumitomo Heavy Industries, Ltd. Mechanical transfer feeder. 4,811,834, 3-14-89, Cl. 198-621.000.
- Asano, Kozo: *See—*
  - Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru; Ashizawa, Tadashi; and Takahashi, Keiichi, 4,847,387, Cl. 549-384.000.
- Asano, Kuniyoshi; and Miyamoto, Yasunori, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Process for preparing pellets of hydrolyzed ethylene-vinyl acetate copolymer. 4,847,361, 7-11-89, Cl. 528-494.000.
- Asano, Kuniyoshi: *See—*
  - Iwanami, Teruo; Moriyama, Takamasa; and Asano, Kuniyoshi, 4,883,696, Cl. 428-35.400.
- Asano, Kyoichi: *See—*
  - Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Uano, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
- Asano, Masaharu: *See—*
  - Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Ka-suyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.
- Asano, Masami; Toma, Ken; and Takeuchi, Yo, to Mitsubishi Aluminum Kabushiki Kaisha. Brazed aluminum article. 4,861,681, 8-29-89, Cl. 428-654.000.
- Asano, Masami: *See—*
  - Kudo, Hajime; Asano, Masami; Toma, Ken; and Takeuchi, Yo, 4,842,185, Cl. 228-183.000.
  - Toma, Ken; Asano, Masami; Takahashi, Noriaki; Takeuchi, Shoji; and Takeuchi, Yo, 4,828,936, Cl. 428-650.000.
- Asano, Masamichi: *See—*
  - Iwahashi, Hiroshi; and Asano, Masamichi, 4,799,195, C 365-185.000.
  - Kato, Hideo; Iwahashi, Hiroshi; Asano, Masamichi; Narita, Akira and Kikuchi, Shinichi, 4,804,929, Cl. 331-57.000.
  - Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao Kumagai, Shigeru; and Suzuki, Kazuto, 4,819,212, C 365-230.000.
  - Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao Kumagai, Shigeru; and Suzuki, Kazuto, 4,831,592, C 365-189.090.
  - Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano Masamichi; and Imai, Mizuho, 4,858,192, Cl. 365-200.000.
  - Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano Masamichi; and Imai, Mizuho, 4,882,507, Cl. 307-443.000.
- Asano, Masamuchi; and Iwahashi, Hiroshi, to Kabushiki Kaisha Toshiba. Programmable semiconductor memory device having grouped high voltage supply circuits for writing data. 4,805,150, 2-14-89, C 365-230.000.
- Asano, Masao: *See—*
  - Kitamura, Shegehiro; Asano, Masao; Shimizu, Yoshiaki; and Abe Takao, 4,818,591, Cl. 428-216.000.
- Asano, Masharu: *See—*
  - Fujikura, Takashi; Matsumoto, Yuzo; and Asano, Masharu 4,843,085, Cl. 514-356.000.
- Asano, Mitsuru: *See—*
  - Kawahara, Nobuaki; Hoshizaki, Hiroki; Suzuki, Hirofumi; Kobayashi, Kiyomi; Ohkawa, Makoto; and Asano, Mitsuru, 4,829,03 Cl. 501-108.000.
- Asano, Motomu: *See—*
  - Hattori, Shuzo; Tagawa, Takashi; and Asano, Motomu, 4,873,7 Cl. 378-142.000.
- Asano, Osamu: *See—*
  - Ooki, Yasumasa; Asano, Osamu; and Mikiya, Toshio, 4,820,088, C 408-17.000.
  - Ooki, Yasumasa; Asano, Osamu; and Mikiya, Toshio, 4,854,787, C 408-17.000.
  - Shoji, Michihiro; and Asano, Osamu, 4,824,299, Cl. 409-137.000
- Asano, Satoru: *See—*
  - Kozawa, Tetsuo; and Asano, Satoru, 4,870,916, Cl. 112-121.110
- Asano, Seiji; and Tanaka, Yasuhiko, to Fuji Photo Film Co., Ltd. Lens shifting mechanism. 4,799,073, 1-17-89, Cl. 354-195.120.
- Asano, Seiji: *See—*
  - Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Ma moto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, C 354-75.000.
  - Ohmura, Hiroshi; Asano, Seiji; and Yoshida, Toshio, 4,812,863, C 354-219.000.
  - Ohmura, Hiroshi; Matsumoto, Yasuo; Sugimoto, Shigeru; Ushiro Seimei; Asano, Seiji; and Yoshida, Toshio, 4,833,495, C 354-212.000.
  - Ohmura, Hiroshi; Ushiro, Seimei; Hara, Hiroshi; Asano, Seiji; an Yoshida, Toshio, 4,855,774, Cl. 354-203.000.
  - Takei, Hisashi; Ohmura, Hiroshi; Ushiro, Seimei; Mochida, Mi suyoshi; Nakamura, Yoshihiko; Asano, Seiji; and Yoshida Toshio, 4,890,130, Cl. 354-288.000.
  - Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, 4,812 Cl. 354-288.000.
- Asano, Shoji: *See—*
  - Kuwano, Eiichi; Takeya, Ryuko; Eto, Morifusa; and Asano, Sho 4,812,473, Cl. 514-396.000.
- Asano, Shuichi: *See—*
  - Kawai, Osamu; and Asano, Shuichi, 4,832,365, Cl. 280-804.000
- Asano, Tadahiko: *See—*
  - Katayama, Sakae; Asano, Tadahiko; Okuma, Masatsune; an Nakanishi, Keisyo, 4,814,406, Cl. 526-318.400.
- Asano, Taiji: *See—*
  - Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Na Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Tai Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, C 514-202.000.
  - Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Na Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Tai Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,883,879, C 546-280.000.
- Asano, Takaaki: *See—*
  - Takagi, Michitoshi; Asano, Takaaki; and Yamada, Tsugu 4,810,022, Cl. 296-180.500.

- Asano, Takashi: *See—*
  - Watanabe, Hiroshi; Asano, Takashi; Ikeda, Hiroaki; Imazeki, Shuichi; Shiiya, Yoshitaka; and Nishikawa, Yasushi, 4,811,305, Cl. 365-239.000.
- Asano, Takateru: *See—*
  - Ito, Toshio; Sakata, Miwa; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, 4,845,143, Cl. 525-328.800.
  - Kaifu, Katsuaki; Kosuge, Maki; Yamashita, Yoshio; Asano, takateru; and Kobayashi, Kenji, 4,889,795, Cl. 430-326.000.
  - Yamashita, Yoshio; Kawazu, Ryuji; Itoh, Toshio; Asano, Takateru; and Kobayashi, Kenji, 4,801,518, Cl. 430-325.000.
- Asano, Tamotsu: *See—*
  - Umemoto, Mitsumasa; Asano, Tamotsu; Horie, Hironobu; Takagi, Akinobu; Tamura, Nobuyasu; and Nishida, Takeshi, 4,873,373, Cl. 568-637.000.
- Asano, Toshiharu: *See—*
  - Kokuryo, Yoshiki; Kataoka, Sachiro; Inaba, Tomokazu; Terunuma, Kazuyoshi; and Asano, Toshiharu, 4,839,532, Cl. 307-10.300.
- Asano, Yasuhisa; Nakazawa, Akiko; Terashima, Shiro; Kondo, Kiyosi; Endo, Kaori; Hirai, Kenji; and Numao, Naganori, to Sagami Chemical Research Center. L-phenylalanine dehydrogenase and use thereof. 4,849,345, 7-18-89, Cl. 435-106.000.
- Asano, Yasuo: *See—*
  - Kakii, Toshiaki; Asano, Yasuo; and Suzuki, Shuzo, 4,818,059, Cl. 350-96.210.
  - Osaka, Keiji; Yanagi, Toru; and Asano, Yasuo 4,812,010, Cl. 350-96.220.
- Asano, Yasushi: *See—*
  - Mochida, Haruo; and Asano, Yasushi, 4,798,160, Cl. 116-28.100.
- Asano, Yoshikazu; and Naganawa, Kazuo, to Sanyo Electric Co., Ltd. Clamping circuit for clamping video signal. 4,853,782, 8-1-89, Cl. 358-148.000.
- Asano, Yuji, to Brother Kogyo Kabushiki Kaisha. Color-tone controlling method and apparatus therefor. 4,806,984, 2-21-89, Cl. 355-32.000.
- Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, to Brother Kogyo Kabushiki Kaisha. Exposure device for image recording apparatus. 4,864,356, 9-5-89, Cl. 355-30.000.
- Asano, Yuji, to Brother Kogyo Kabushiki Kaisha. Self cleaning sheet for dissolving a photo-sensitive material containing microcapsules on both sides of substrate. 4,873,167, 10-10-89, Cl. 430-138.000.
- Asano, Yuji: *See—*
  - Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, 4,810,614, Cl. 430-138.000.
- Asano, Yutaka: *See—*
  - Yamaoka, Naoji; Ozawa, Shogo; Fukai, Naoki; Yuzawa, Masayuki; Nakamura, Takeshi; and Asano, Yutaka, 4,811,891, Cl. 228-182.000.
- Asanoh, Toshio: *See—*
  - Mochizuki, Jun; and Asanoh, Toshio, 4,814,858, Cl. 358-10.000.
- Asanuma, Kazushi: *See—*
  - Isono, Hideki; Asanuma, Kazushi; Yokota, Takashi; and Terai, Kiyoshi, 4,824,200, Cl. 350-96.160.
- Asanuma, Kenji: *See—*
  - Kawasaki, Kikuo; Yamamoto, Hitoshi; Fukuhara, Masanori; and Asanuma, Kenji, 4,814,754, Cl. 340-706.000.
- Asanuma, Masaaki: *See—*
  - Nakanishi, Masaru; Kitamura, Arata; Sakurai, Masashi; and Asanuma, Masaaki, 4,821,135, Cl. 360-132.000.
- Asanuma, Masato: *See—*
  - Imaue, Yukihisa; Asanuma, Masato; and Takada, Kyoichi, 4,851,879, Cl. 355-274.000.
- Asanuma, Nobuyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Automatic road wheel steering system. 4,877,098, 10-31-89, Cl. 180-79.100.
- Asanuma, Shin: *See—*
  - Okuda, Reiichi; Komatsu, Masashi; Asanuma, Shin; and Hiratsuka, Noriko, 4,830,616, Cl. 433-217.100.
- Asanuma, Yasuo: *See—*
  - Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nasu, Katsuaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, Toshiyuki, 4,840,932, Cl. 502-202.000.
- Asao, Hideo; Yamazi, Satoru; and Saibe, Seiichi, to Juki Corporation; and Takatori Machinery Manufacturing Co., Ltd. Method for button sewing. 4,854,252, 8-8-89, Cl. 112-265.100.
- Asao, Hideo; Yamazi, Satoru; and Saibe, Seiichi, to Juki Corporation. Method and apparatus for button sewing. 4,884,517, 12-5-89, Cl. 112-112.000.
- Asao, Hiroshi: *See—*
  - Okada, Kenichi; Asao, Hiroshi; and Nakamura, Keiichi, 4,827,747, Cl. 72-59.000.
- Asao, Kouichiro: *See—*
  - Ohmae, Tadayuki; Mashita, Kentaro; Yamaguchi, Noboru; Asao, Kouichiro; Tanaka, Hisao; and Sakurai, Tadashi, 4,831,095, Cl. 526-307.000.
  - Ohmae, Tadayuki; Sakurai, Tadashi; and Asao, Kouichiro, 4,840,847, Cl. 428-373.000.
  - Ohmae, Tadayuki; Sakurai, Tadashi; Yamaguchi, Noboru; Okada, Mitsuyuki; and Asao, Kouichiro, 4,859,710, Cl. 521-55.000.
- Asaoka, Junichi: *See—*
  - Kubo, Isao; Kaneko, Toshikazu; Iwaki, Hirofumi; Kajikawa, Yoji; Asaoka, Junichi; and Miyoshi, Jun, 4,869,978, Cl. 429-165.000.
- Asaoka, Masaharu, to Kayaba Industry Co., Ltd. Metering valve. 4,860,788, 8-29-89, Cl. 137-491.000.
- Asaoka, Teruo; and Yoshioka, Shugo, to Shizuoka Seiki Co., Ltd. Power supply system for electrolytic processing apparatus. 4,861,450, 8-29-89, Cl. 204-224.00M.
- Asaoka, Teruo, to Shizuoka Seiki Co., Ltd. Power supply system for electrolytic processing apparatus. 4,863,579, 9-5-89, Cl. 204-224.00M.
- Asaoka, Teruo: *See—*
  - Kuwabara, Yohei; and Asaoka, Teruo, 4,883,568, Cl. 204-129.430.
  - Kuwabara, Youhei; Asaoka, Teruo; Moriya, Masayoshi; Iwasaki, Yasuhiro; and Sugiyama, Haruki, 4,800,006, Cl. 204-129.430.
  - Kuwabara, Youhei; Asaoka, Teruo; and Iwasaki, Yasuhiro, 4,842,702, Cl. 204-129.430.
  - Kuwabara, Youhei; Asaoka, Teruo; Yoshioka, Shogo; and Sugiyama, Haruki, 4,880,509, Cl. 204-129.200.
  - Kuwabara, Youhei; Asaoka, Teruo; and Iwasaki, Yasuhiro, 4,880.516, Cl. 204-224.00M.
  - Kuwabara, Youhei; and Asaoka, Teruo, 4,885,066, Cl. 204-129.430.
- Asaoka, Tetsuki: *See—*
  - Ando, Takashi; Makino, Yoshihiro; Kishimoto, Yoshinobu; and Asaoka, Tetsuki, 4,831,472, Cl. 360-96.500.
- Asarco Incorporated: *See—*
  - Clement, Thomas P., II; Li, Taie; and Hager, John P., 4,808,221, Cl. 75-63.000.
- Asashi Glass Company Ltd.: *See—*
  - Arata, Yasuda; Masao, Kato; Masaaki, Yamabe; and Keiichi, Uchida, 4,822,909, Cl. 560-121.000.
- Asato, Goro; and France, Donald J., to American Cyanamid Company. 23-imino derivatives of 23-keto compounds. 4,849,446, 7-18-89, Cl. 514-450.000.
- Asato, Goro; and Tamura, Susan Y., to American Cyanamid Company. Mono- and diepoxide derivatives of Δ22-LL-F28249 compounds. 4,851,428, 7-25-89, Cl 514-450.000.
- Asato, Goro; and Tamura, Susan Y., to American Cyanamid Company. Mono- and diepoxide derivatives of LL-F28249 compounds. 4,876,272, 10-24-89, Cl. 514-450.000.
- Asato, Goro; and France, Donald J., to American Cyanamid Company. 13-deoxy-23-imino derivatives of 13-deoxy C-076-aglycone compounds. 4,877,888, 10-31-89, Cl. 549-264.000.
- Asato, Goro; and France, Donald J., to American Cyanamid Company. Novel 23-imino derivatives of 23-keto compounds. 4,886,784, 12-12-89, Cl. 514-30.000.
- Asato, Goro; and Tamura, Susan Y., to American Cyanamid Company. Δ^{22}-derivatives of LL-F28249 compounds. 4,886,828, 12-12-89, Cl. 514-450.000.
- Asato, Goro; and Tamura, Susan Y., to American Cyanamid Company. 23-Oxo (keto) and 23-imino derivatives of mono- and diepoxy LL-F28249 compounds. 4,886,829, 12-12-89, Cl. 514-450.000.
- Asato, Goro; and Tamura, Susan Y., to American Cyanamid Company. Mono- and diepoxide derivatives of 23-deoxyl-LL-F28249 compounds. 4,886,830, 12-12-89, Cl. 514-450.000.
- Asato, Goro: *See—*
  - Bentley, Terence J.; and Asato, Goro, 4,863,959, Cl. 514-524.000.
  - Tamura, Susan Y.; and Asato, Goro, 4,857,544, Cl. 514-450.000.
- Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, to Nichias Corporation. Gasket containing (I) a sheet composition comprising (A) PTFE (B) inorganic powder (C) clay mineral and (II) a metal support for the sheet. 4,839,221, 6-13-89, Cl. 428-283.000.
- Asaumi, Shingo; Kohara, Hidekatsu; Tanaka, Hatsuyuki; and Nakayama, Toshimasa, to Tokyo Ohka Kogyo Co., Ltd. Highly heat-resistant positive-working o-quinone diazide containing photoresist composition with novolac resin made from phenol with ethylenic unsaturation. 4,804,612, 2-14-89, Cl. 430-192.000.
- Asaumi, Shingo: *See—*
  - Kobayashi, Masakazu; Asaumi, Shingo; and Tanaka, Hatsuyuki, 4,824,762, Cl. 430-258.000.
  - Kobayashi, Masakazu; Asaumi, Shingo; Yokota, Akira; and Nakane, Hisashi, 4,844,832, Cl. 252-143.000.
  - Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, 4,882,260, Cl. 430-191.000.
  - Tanaka, Hatsuyuki; Kohara, Hidekatsu; Sato, Yoshiyuki; Asaumi, Shingo; Nakayama, Toshimasa; Yokota, Akira; and Nakane, Hisashi, 4,833,067, Cl. 430-331.000.
- Asawa, Charles K., to TRW Inc. Bimodal optical fiber communication system using graded index fiber. 4,817,205, 3-28-89, Cl. 455-612.000.
- Asayama, Yoshiaki, to Mitsubishi Denki Kabushiki Kaisha. Fluid pressure regulator. 4,829,964, 5-16-89, Cl. 123-463.000.
- Asayama, Yoshiaki, to Mitsubishi Denki Kabushiki Kaisha. Fuel pressure regulator for internal combustion engine. 4,872,437, 10-10-89, Cl. 123-463.000.
- Asayama, Yoshiaki: *See—*
  - Ueyama, Yoshiji; and Asayama, Yoshiaki, 4,872,435, Cl. 123-336.000.
  - Ueyama, Yoshiji; and Asayama, Yoshiaki, 4,873,957, Cl. 123-399.000.
- Asayama, Yoshio; Tsubota, Makio; Takitani, Yukitaka; and Okura, Yasunori, to Kabushiki Kaisha Komatsu Seisakusho. Method of controlling speed change clutches in a transmission. 4,836,057, 6-6-89, Cl. 74-867.000.
- Asazawa, Hiroshi, to NEC Corporation. Flip-flop circuit with short propagation delay. 4,797,576, 1-10-89, Cl. 307-272.100.
- Asazawa, Hiroshi, to Nec Corporation. Amplifier circuit having high-speed raising time. 4,810,909, 3-7-89, Cl. 307-491.000.

- Asazawa, Hiroshi: *See—*
  - Hashimoto, Kazuya: and Asazawa, Hiroshi, 4,829,591, Cl. 455-89.000.
- Asazuma, Masaaki: *See—*
  - Yoshimi, Keiichi; Goto, Shigeo; and Asazuma, Masaaki, 4,861,403, Cl. 156-138.000.
- Asbach, Ronald M., to Quaker Oats Company, The. Toy simulated explodable shack. 4,867,723, 9-19-89, Cl. 446-4.000.
- Asbeck, Adolf: *See—*
  - Hoefer, Rainer; Schmid, Karl H.; Asbeck, Adolf; and Held, Uwe, 4,797,222, Cl. 252-174.210.
  - Schmid, Karl-Heinz; Asbeck, Adolf; and Stanislowski, Detlev, 4,853,145, Cl. 252-136.000.
- Asbeck, Peter M.: *See—*
  - Chang, Mau-Chung F.; Asbeck, Peter M.; Wang, Keh-Chung; and Miller, David L., 4,807,008, Cl. 357-34.000.
- Asbell, Walter E.; and Thieken, Michael L., to American Telephone & Telegraph Company, AT&T Bell Laboratories. Electrical relay apparatus. 4,812,794, 3-14-89, Cl. 335-151.000.
- Asberg, Lars G.: *See—*
  - Andersson, Ken G. E.; Engstrand, Sven E. O.; and Asberg, Lars G., 4,834,597, Cl. 409-234.000.
- Asbill, Clarence M., III, to Robertshaw Controls Company. Differential pressure transmitter, a square root extractor device therefor and methods of making the same. 4,833,924, 5-30-89, Cl. 73-861.480.
- Asbjornsen, Lars F.: *See—*
  - Martone, Louis C.; Burkholder, Robert F.; Asbjornsen, Lars F.; and Cavada, Luis O., 4,833,978, Cl. 99-280.000.
- Asbjornsen, Odd A., to Norsk Hydro A.S. Method and apparatus for indirectly measuring a solid-liquid interface equilibrium temperature. 4,842,417, 6-27-89, Cl. 374-139.000.
- Asbjornson, Norman H.; and Foty, James V., to Intertherm Investments, Inc. Blower unloading device. 4,808,068, 2-28-89, Cl. 415-157.000.
- Asbo, Einar L.: *See—*
  - Boston, Vincent; Boggan, Elvis W.; and Asbo, Einar L., 4,812,628, Cl. 235-380.000.
- Asbra, Andrew F.: *See—*
  - Asbra, Martin R.; Asbra, Andrew F.; Bovis, Nicholas J.; and Greer, Charles W., 4,852,600, Cl. 137-38.000.
- Asbra, Martin R.; Asbra, Andrew F.; Bovis, Nicholas J.; and Greer, Charles W., to Andrene Associates; and Asbra, Martin R., part interest to each. Air actuated valve system with seismic controller. 4,852,600, 8-1-89, Cl. 137-38.000.
- Asbrink, Leif; and Graflind, Ulf, to Intermodulation and Safety System AB. Alarm tag. 4,812,811, 3-14-89, Cl. 340-571.000.
- Asbrink, Leif, to Intermodulation and Safety System AB. Multiple loop receiving device in a security system. 4,845,509, 7-4-89, Cl. 343-867.000.
- Asbury, Richard C.: *See—*
  - Wagner, Robert K.; Homery, Alex L.; Asbury, Richard C.; and Davis, Allen W., Jr., 4,815,364, Cl. 98-114.000.
- ASC, Incorporated: *See—*
  - Alexander, Michael P.; and Adams, Allan J., 4,819,983, Cl. 296-121.000.
  - Drew, Dale M., 4,817,999, Cl. 292-113.000.
  - Huehn, Werner T., 4,835,449, Cl. 318-282.000.
  - Tokarz, Stephen, 4,864,473, Cl. 362-84.000.
  - Tokarz, Stephen P.; Zaback, Lon A.; Pavlak, Thomas; and Varner, Donald R., 4,863,190, Cl. 280-808.000.
  - Tokarz, Stephen P., 4,883,940, Cl. 219-203.000.
  - Varner, Donald, 4,852,935, Cl. 296-146.000.
- ASC Machine Tools, Inc.: *See—*
  - Frost, Terry; Smith, Terry B.; and Vensel, Charles D., 4,889,463, Cl. 414-416.000.
- Ascencio, Ramon J.: *See—*
  - Rose, Keith A.; and Ascencio, Ramon J., 4,830,624, Cl. 439-388.000.
- Ascension Technology Corporation: *See—*
  - Blood, Ernest B., 4,849,692, Cl. 324-208.000.
- Asch, Karl: *See—*
  - Zapka, Werner; Kempf, Jurgen; Keyser, Joachim; and Asch, Karl, 4,855,197, Cl. 430-5.000.
- Asche, James E.: *See—*
  - Watts, Verne C.; Loraas, Orlan J.; Kaczmarski, Wally L.; and Asche, James E., 4,811,983, Cl. 296-190.000.
- Aschenbrenner, Georg: *See—*
  - Kramer, Stefan; and Aschenbrenner, Georg, 4,803,928, Cl. 102-476.000.
- Aschenbruck, Emil: *See—*
  - Owsianny, Emund; Wengorz, Wilfried; and Aschenbruck, Emil, 4,836,746, Cl. 415-160.000.
- Ascher, Gilles. Portable electrocardiogram monitor. 4,809,705, 3-7-89, Cl. 128-710.000.
- Ascheri, Antonio: *See—*
  - Magni, Ambrogio; Piccolo, Oreste; and Ascheri, Antonio, 4,834,919, Cl. 260-397.100.
- Aschwanden, Werner; Imhof, Rene ; Jakob, Roland; and Kyburz, Emilio, to Hoffmann-La Roche Inc. Benzazecine derivatives for cognitive and memory functions. 4,876,340, 10-24-89, Cl. 540-461.000.
- Aschwenden, Werner; Imhof, Rene ; Jakob-Roetne, Roland; and Kyburz, Emilio, to Hoffmann-La Roche Inc. Hydrocinnamic acid derivatives. 4,883,815, 11-28-89, Cl. 514-541.000.
- ASCII Corporation: *See—*
  - Ishii, Takatoshi, 4,827,255, Cl. 340-793.000.
  - Ishii, Takatoshi; and Kaneko, Makoto, 4,835,526, Cl. 340-703.000.
  - Ishii, Takatoshi, 4,857,899, Cl. 340-701.000.
  - Ishiwata, Takehiko; and Yoshida, Norifumi, 4,870,389, Cl. 340-709.000.
  - Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,804,948, Cl. 340-703.000.
  - Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,812,828, Cl. 340-706.000.
  - Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,864,289, Cl. 340-725.000.
- Asculectric Limited: *See—*
  - Dry, Alan G., 4,796,515, Cl. 92-137.000.
- Ascom Hasler AG: *See—*
  - Liechti, Hans-Peter, 4,807,139, Cl. 364-464.020.
- ASD, Inc.: *See—*
  - Chou, Song-Tien, 4,818,143, Cl. 405-128.000.
- Asdren Limited: *See—*
  - Achille, Geoffrey D., 4,860,450, Cl. 30-172.000.
- Ase, Hajime; Fujii, Satoshi; Nara, Hisao; and Sakai, Masao, to Nippon Kokan Kabushiki Kaisha. Method for removing hydrogen chloride from exhaust gas discharged from incinerator. 4,847,056, 7-11-89, Cl. 423-240.000.
- Asea AB: *See—*
  - Gunnarsson, Sven-Eric, 4,812,132, Cl. 439-164.000.
- Asea AB & Tornbloms Kvalitetskontroll AB: *See—*
  - Svegander, Lennart; and Tornblom, Bengt, 4,816,760, Cl. 324-207.000.
- ASEA Aktiebolag: *See—*
  - Andersson, Bjorn; and Fager, Jan G., 4,815,006, Cl. 364-513.000.
  - Andersson, Bjorn; Bjorkelund, Mats; Edstrom, Stefan; Fager, Ja and Schofield, Monica, 4,831,232, Cl. 219-124.340.
  - Andersson, Lars; and Klimt, Zdenek, 4,857,687, Cl. 219-10.570.
  - Brantmark, Hkan; Lindqvist, Ake; and Norefors, Ulf-Gora 4,888,708, Cl. 364-513.000.
  - Brogardh, Torgny; and Ovren, Christer, 4,880,972, Cl. 25 231.00R.
  - Carlsson, Tage; and Sandberg, Jan, 4,859,887, Cl. 310-59.000.
  - Danielsson, Dag, 4,849,917, Cl. 364-565.000.
  - Hjortsberg, Arne; Holmstrom, Goran; and Karlsson, Thom 4,806,806, Cl. 310-45.000.
  - Jonsson, Sven; Persson, Erik; and Ostlund, Lars, 4,819,184, C 364-513.000.
  - Nimmersjo, Gunnar, 4,797,805, Cl. 364-481.000.
  - Nimmersjo, Gunnar, 4,800,509, Cl. 364-492.000.
  - Nordvall, Jan O., 4,802,368, Cl. 73-862.690.
  - Nordvall, Jan O., 4,825,709, Cl. 73-862.690.
  - Persson, Tage, 4,890,028, Cl. 310-261.000.
  - Tellden, Leif, 4,804,304, Cl. 414-735.000.
  - Tellden, Leif, 4,806,069, Cl. 414-735.000.
  - Valdemarsson, Stefan, 4,825,182, Cl. 335-167.000.
- Asea Brown Boveri AB: *See—*
  - Akesson, Ulf, 4,814,560, Cl. 200-148.00F.
  - Andersen, Ingvar T.; and Eriksson, Jan E., 4,842,043, C 164-504.000.
  - Bergman, Sten; and Ljung, Stefan, 4,855,861, Cl. 361-65.000.
  - Bergman, Sten; and Ljung, Stefan, 4,864,453, Cl. 361-66.000.
  - Bergman, Sten; and Ljung, Stefan, 4,878,142, Cl. 361-80.000.
  - Edris, Abdel-Aty O. M., 4,843,513, Cl. 361-20.000.
  - Ekander, Hans; Ericson, Clas; Tallback, Gote; Tinoco, Hernan; an Ostrom, Staffan, 4,820,342, Cl. 75-10.650.
  - Engdahl, Goran, 4,802,660, Cl. 267-182.000.
  - Eriksson, Jan E., 4,886,109, Cl. 164-504.000.
  - Eriksson, Rolf; Hammarlund, Gudmar; and Sundqvist, Lars-Eri 4,880,395, Cl. 439-507.000.
  - Folgero, Kare, 4,865,234, Cl. 222-597.000.
  - Jannborg, Bjorn, 4,830,569, Cl. 414-729.000.
  - Johansson, Rutger; and Paulsson, Lars, 4,829,229, Cl. 323-209.000.
  - Kolavcic, Pavel; Sobel, Jarl; and Ornholmer, Lars, 4,887,471, C 73-862.690.
  - Paulsson, Lars, 4,890,180, Cl. 361-16.000.
  - Rappinger, Bo; and Stenkvist, Sven-Einar, 4,853,941, C 373-72.000.
  - Sobel, Jarl; and Ornholmer, Lars, 4,823,621, Cl. 73-862.690.
  - Sobel, Jarl, 4,845,999, Cl. 73-862.360.
  - Sobel, Jarl, 4,873,874, Cl. 73-862.360.
  - Stengard, Peter, 4,853,670, Cl. 338-21.000.
  - Stenstrom, Lennart; and Akerstedt, Allan, 4,860,156, C 361-128.000.
  - Valdemarsson, Stefan, 4,847,455, Cl. 200-144.00R.
- Asea Brown Boveri AG: *See—*
  - Dustmann, Cord-Henrich, 4,852,367, Cl. 62-51.100.
  - Eck, Gismar, 4,865,929, Cl. 429-120.000.
  - Hausler, Michael, 4,884,025, Cl. 324-158.0SC.
  - Kohl, Gerhard; and Christiansen, Mogens B., 4,883,427, C 439-64.000.
  - Lechert, Hans; Woebs-Gosch, Volkert; Qun, Song; Kamins Walter; and Sinn, Hansjorg, 4,871,426, Cl. 201-2.500.
  - Posedel, Zlatimir, 4,831,295, Cl. 310-72.000.
- Asea Brown Boveri Ltd.: *See—*
  - Maier, Gunther; Mosele, Joseph; and Perkins, Roger, 4,816,959, C 361-127.000.
  - Mayer, Andreas, 4,859,153, Cl. 417-64.000.
  - Meylan, Pierre; and Novacek, Peter, 4,884,951, Cl. 416-191.000.
- ASEA Composites, Inc.: *See—*
  - Berg, Kenneth R.; Sundquist, Roger L.; and Truong, Liem V. 4,807,351, Cl. 29-432.000.

- ASEA Electric, Inc.: *See—*
  - Eggebrecht, Roland C.; McIlheran, Aaron A.; Lane, William H.; and Richardson, Robert A., 4,866,568, Cl. 361-333.000.
- Asea Stal AB: *See—*
  - Brannstrom, Roine, 4,802,796, Cl. 406-141.000.
  - Brannstrom, Roine; Lindblad, Evert; Malmkvist, Leopold; Mansson, Martin; and Thoren, Mats, 4,848,276, Cl. 122-4.00D.
  - Ekbom, Ragnar, 4,820,484, Cl. 419-49.000.
  - Ekbom, Ragnar, 4,855,103, Cl. 419-26.000.
  - Jarvstrat, Goran, 4,860,693, Cl. 122-4.00D.
  - Jonsson, Arne, 4,805,405, Cl. 60-39.464.
- Asecom S.C.L.: *See—*
  - Britos, Jose D., 4,803,312, Cl. 178-17.00R.
- Aseltine, Leroy G.; and Longenbach, Gary F. Apparatus and method for forming finely divided dry materials from wet materials having a tendency to form lumps. 4,834,913, 5-30-89, Cl. 252-601.000.
- Aserin, Abraham: *See—*
  - Glattstein, Baruch; and Aserin, Abraham, 4,812,413, Cl. 436-92.000.
- Aerospatiale Societe Nationale Industrielle: *See—*
  - Fabre, Pierre, 4,829,220, Cl. 318-584.000.
- Asfour, Richard E.: *See—*
  - Schmidt, Utz H.; and Asfour, Richard E., 4,856,727, Cl. 242-107.40B.
- Asghar, Abid; and Donnell, James R., to Intel Corporation. Product term sharing/allocation in an EPROM array. 4,878,200, 10-31-89, Cl 365-189.020.
- Asghar, Saf: *See—*
  - Pyi, Hwa-Sheng; and Asghar, Saf, 4,839,842, Cl. 364-721.000.
- Asghar, Safdar M.; Pyi, Hwa-Sheng; and Dunnion, Dermot, to Advanced Micro Devices, Inc. Word-sliced signal processor. 4,800,517, 1-24-89, Cl. 364-757.000.
- Ash, Charles E.; Herliczek, Siegfried H.; and Jenkins, David R., to Libbey-Owens-Ford Co. Vacuum ring for producing laminated glass. 4,834,829, 5-30-89, Cl. 156-382.000.
- Ash, Charles E.: *See—*
  - Angell, Barbara L.; Ash, Charles E.; and Chambers, Scott W., 4,832,782, Cl. 156-382.000.
  - Bishop, Roger B.; Ash, Charles E.; and Herliczek, Siegfried H., 4,865,671, Cl. 156-104.000.
- Ash Grove Cement Company: *See—*
  - Benoit, Michel R.; Hansen, Eric R.; and Reese, Theodore J., 4,850,290, Cl. 110-346.000.
- Ash, John T.: *See—*
  - Midkiff, John A.; and Ash, John T., 4,813,639, Cl. 248-68.100.
- Ash Medical Systems, Inc.: *See—*
  - Ash, Stephen R.; and Janle-Swain, Elsa M., 4,854,322, Cl. 128-635.000.
- Ash, Stephen R.; and Janle-Swain, Elsa M., to Ash Medical Systems, Inc. Capillary filtration and collection device for long-term monitoring of blood constituents. 4,854,322, 8-8-89, Cl. 128-635.000.
- Ash, Vernon R.: *See—*
  - Meehan, Adrian P.; and Ash, Vernon R., 4,862,145, Cl. 340-573.000.
- Ash, William O., Jr. Portable beverage dispenser. 4,869,402, 9-26-89, Cl. 222-209.000.
- Ash, William R.: *See—*
  - Roe, Elman; Ash, William R.; Campbell, Terry; and Forney, Steve, 4,817,391, Cl. 62-17.000.
- Ashai Corporation: *See—*
  - Kobayashi, Toshio, 4,826,160, Cl. 273-1.0GE.
  - Kobayashi, Toshio, 4,826,176, Cl. 273-354.000.
- Ashbolt, Mark T.; Watson, Martin J.; and Mann, Thomas G., deceased (by Mann, Jean, executrix), to Metal Box plc. Apparatus for trimming a flanged end of a tubular article. 4,815,348, 3-28-89, Cl. 83-383.000.
- Ashbolt, Mark T., to MB Group plc. Apparatus for trimming a tubular article. 4,843,930, 7-4-89, Cl. 83-39.000.
- Ashbrook-Simon-Hartley Corporation: *See—*
  - Johnson, Harold W.; Mastel, James M.; and Scott, Alan L., 4,836,100, Cl. 100-118.000.
  - Tharp, Charles E., 4,839,053, Cl. 210-616.000.
- Ashby, Carol I. H.; Brannon, Paul J.; and Gerardo, James B., to United States of America, Energy. Laser-driven fusion etching process. 4,838,989, 6-13-89, Cl. 156-628.000.
- Ashby, Carol I. H.; Myers, David R.; and Vook, Frederick L., to United States of America, Energy. Electronic-carrier-controlled photochemical etching process in semiconductor device fabrication. 4,880,493, 11-14-89, Cl. 156-628.000.
- Ashby, David P.; and Green, Charles J., to GT Development Corporation. Quick vent valve for air brake line. 4,878,513, 11-7-89, Cl. 137-102.000.
- Ashby, Derek; Ali, Sajjadali G.; and Forward, Raymond H., to Steam Vacuum Extraction Limited. Vacuum cleaning apparatus. 4,825,501, 5-2-89, Cl. 15-321.000.
- Ashby, Mark P., to Home Fashions, Inc. Window covering headrail cornice. 4,828,002, 5-9-89, Cl. 160-38.000.
- Ashby, Robert E.; and Greig, Walter G., to Moore Business Forms, Inc. Continuous form with releasable label. 4,876,131, 10-24-89, Cl. 428-42.000.
- Ashcombe Products Company: *See—*
  - Thornton, Henry M.; Thornton, John S.; and Munchel, Eugene A., 4,850,754, Cl. 408-35.000.
- Ashcraft, Arnold C., Jr.: *See—*
  - Ancker, Fred H.; and Ashcraft, Arnold C., Jr., 4,795,768, Cl. 523-200.000.
- Ashcraft, Glinden R.; Gorman, Richard E.; Kozol, Edward J.; and Paul, Robert J., to International Business Machines Corporation. Flexible article application apparatus. 4,822,442, 4-18-89, Cl. 156-361.000.
- Ashcraft, Robert W.; and Bayless, John H., to Du Pont de Nemours, E. I., and Company. Polyester support for preparing electrostatic transparencies. 4,869,955, 9-26-89, Cl. 428-327.000.
- Ashcraft, Thomas L., Jr.: *See—*
  - Teletzke, Gary F.; Ashcraft, Thomas L., Jr.; and Reed, Ronald L., 4,828,032, Cl. 166-272.000.
- Ashcraft, William D., to Rockwell International Corporation. Digital image interface system. 4,797,746, 1-10-89, Cl. 358-140.000.
- Ashcroft, Dale A.: *See—*
  - Clevenger, James T., Jr.; Ashcroft, Dale A.; Strosser, Richard P.; and Anderson, Mark S., 4,844,196, Cl. 180-273.000.
  - Clevenger, James T., Jr.; Ashcroft, Dale A.; Strosser, Richard P.; and Anderson, Mark S., 4,856,612, Cl. 180-273.000.
  - Strosser, Richard P.; and Ashcroft, Dale A., 4,871,044, Cl. 180-273.000.
- Ashe, Bonnie M.; and Fletcher, Daniel S., to Merck & Co., Inc. Anti-inflammatory and antidegenrative compounds isolated from L-681,512. 4,874,755, 10-17-89, Cl. 514-179.000.
- Ashe, Bonnie Mae: *See—*
  - Finke, Paul E.; Zimmerman, Morris; Doherty, James B.; Ashe, Bonnie Mae; and Dorn, Conrad P., 4,797,396, Cl. 514-210.000.
- Ashe, Philip R.; Carey, James R.; Champagne, Patrick J.; and Rowden, David L., to Verbatim Corporation. Structurally rigid disk cartridge adaptable to eliminating relative axial cartridge and/or transducer head loading/unloading movement. 4,858,050, 8-15-89, Cl. 360-133.000.
- Asheboro Elastics, Corp.: *See—*
  - Odham, Carl J., 4,870,839, Cl. 66-125.00A.
- Ashenfelter, Robert C.; Bonomi, Marco J.; and Bowker, Duane O., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Technique for improved subjective performance in a communication system using attenuated noise-fill. 4,864,561, 9-5-89, Cl. 370-81.000.
- Asher, Marc A.: *See—*
  - Heinig, Charles F.; Asher, Marc A.; and Strippgen, Walter E., 4,887,595, Cl. 606-61.000.
- Asher Systems Furniture Limited: *See—*
  - Notley, Alan R., 4,828,005, Cl. 160-351.000.
- Ashford, Thomas J.; Burns, Nancy A.; Flagg, Richard L.; Iwaskiw, Christine T.; and Starbird, Roberta P., to International Business Machines Corporation. Method for processing an expert system rulebase on a system having limited memory. 4,809,219, 2-28-89, Cl. 364-900.000.
- Ashi Kogaku Kogyo K.K.: *See—*
  - Tani, Nobuhiro; and Aoki, Harumi, 4,868,667, Cl. 358-228.000.
- Ashiba, Masahiro: *See—*
  - Imaizumi, Tomio; and Ashiba, Masahiro, 4,800,994, Cl. 188-319.000.
- Ashida, Hideo, to Fujutsu Limited. Quadrature amplitude modulation/demodulation device using multi-level digital signals. 4,801,899, 1-31-89, Cl. 332-17.000.
- Ashida, Sumio: *See—*
  - Ikegawa, Sumio; Komatsu, Shuichi; Arai, Shinji; Ashida, Sumio; and Yasuda, Nobuaki, 4,839,861, Cl. 365-113.000.
- Ashida, Takashi: *See—*
  - Noda, Yasushi; Ashida, Takashi; Inoue, Kazuhiko; and Yokota, Kazuo, 4,833,553, Cl. 360-99.060.
- Ashida, Tetsuya, to Mitsubishi Paper Mills Limited. Silver halide photographic paper having developer in the emulsion layer and a rough hydrophilic backcoating layer. 4,870,001, 9-26-89, Cl. 430-538.000.
- Ashida, Yasuhiro; and Yokota, Shigeki, to Sanyo Electric Co. Ltd. Semiconductor integrated circuit device. 4,862,241, 8-29-89, Cl. 357-45.000.
- Ashikaga, Tadashi: *See—*
  - Nomura, Masakatsu; Suda, Keiko; and Ashikaga, Tadashi, 4,862,343, Cl. 363-41.000.
- Ashikari, Toshihiko; Nakamura, Norihisa; Tanaka, Yoshikazu; Shibano, Yuji; and Yoshizumi, Hajime, to Suntory Limited. Glucoamylase gene of rhizopus oryzae. 4,863,864, 9-5-89, Cl. 435-205.000.
- Ashikawa, Kazutoshi: *See—*
  - Yoshida, Isao; Okabe, Takeaki; Ito, Mitsuo; Ashikawa, Kazutoshi; and Iijima, Tetsuo, 4,831,424, Cl. 357-23.130.
- Ashiku, Mark. Dental aspirator valve and valve sheath. 4,861,266, 8-29-89, Cl. 433-95.000.
- Ashimi, Tokuji: *See—*
  - Kawano, Ikuo; Takiguchi, Tsuyoshi; Kimura, Norihisa; Yanagisawa, Yohei; Ashimi, Tokuji; and Yoshino, Hiroyuki, 4,876,103, Cl. 426-574.000.
- Ashimori, Atsuyuki; Ono, Taizo; Inoue, Yoshihisa; Fukaya, Chikara; and Yokoyama, Kazumasa, to Green Cross Corporation, The. Dihydropyridine derivatives and pharmaceutical composition thereof. 4,886,819, 12-12-89, Cl. 514-356.000.
- Ashimori, Atsuyuki: *See—*
  - Fukaya, Chikara; Ashimori, Atsuyuki; Ono, Taizo; and Yokoyama, Kazumasa, 4,849,429, Cl. 514-307.000.
- Ashimori Industry Co., Ltd.: *See—*
  - Kurita, Yasuo; Kokabu, Masaaki; and Uemoto, Katsunori, 4,809,953, Cl. 254-250.000.
  - Morinaga, Akio; Yagi, Isaburo; Maruyama, Hideo; and Yamamoto, Akifumi, 4,883,557, Cl. 156-287.000.
- Ashimori Kogyo Kabushiki Kaisha: *See—*
  - Matsumoto, Kenjiro, 4,817,885, Cl. 242-107.40A.
  - Sato, Akihiro; Yamada, Mitsuho; and Isshiki, Shigehiro, 4,826,472, Cl. 474-202.000.

Zenbayashi, Katsuaki; Otsuga, Hisao; Morinaga, Akio; Toyoshima, Osamu; and Shimokawa, Shinji, 4,882,470, Cl. 219-523.000.

Ashimori Tokyo Kabushiki Kaisha: *See—*

Higuchi, Kumao; Morinaga, Akio; Seshimo, Masahiro; and Saito, Hitoshi, 4,877,665, Cl. 428-36.100.

Ashina, Masato: *See—*

Tsurumaru, Michiko; Suzuki, Yukio; Tsutsumi, Fumihiro; Ashina, Masato; and Kobayashi, Hironori, 4,846,936, Cl. 204-1.00T.

Ashing, Deanna; Hiltenbeitel, Stanley; Moussa, Youssef; and Aluotto, Patrick F., to BASF Corporation, Coatings and Inks Division. Etherified phosphoric acid ester of epoxy resin. 4,801,628, 1-31-89, Cl. 523-412.000.

Ashinori Industry Co., Ltd.: *See—*

Hyodo, Masakatsu; Kusumoto, Koji; and Yagi, Isaburo, 4,871,413, Cl. 156-382.000.

Ashiura, Yasuyuki: *See—*

Kawahara, Haruyuki; Tanaka, Katsumi; Ashiura, Yasuyuki; and Yoshimura, Motonobu, 4,842,517, Cl. 433-173.000.

Ashizaki, Shigeya; Konosu, Osamu; Suzuki, Hiroshi; and Natsuhara, Masao, to Matsushita Electronics Corporation. Cathode ray tube apparatus. 4,831,309, 5-16-89, Cl. 313-413.000.

Ashizaki, Yoshihiro; and Takada, Kazuyuki, to Matsushita Electric Industrial Co., Ltd. IC output circuit for use in pulse width modulator. 4,831,344, 5-16-89, Cl. 332-9.00T.

Ashizaki, Yoshihiro, to Matsushita Electric Industrial Co., Ltd. Three-phase current output circuit with temperature compensating function. 4,868,485, 9-19-89, Cl. 323-316.000.

Ashizaki, Yoshihiro: *See—*

Tamae, Hiroaki; and Ashizaki, Yoshihiro, 4,818,908, Cl. 310-171.000.

Ashizawa, Kazuhide: *See—*

Ishibashi, Yasuo; Matsuda, Muneaki; and Ashizawa, Kazuhide, 4,822,785, Cl. 514-202.000.

Ashizawa, Kenji; and Uematsu, Hiroshi, to Dai Nippon Insatsu Kabushiki Kaisha. Spout for packaging containers. 4,795,065, 1-3-89, Cl. 222-541.000.

Ashizawa, Tadashi: *See—*

Kasai, Masaji; Kanda, Yutaka; Kono, Motomichi; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,880,825, Cl. 514-409.000.

Kono, Motomichi; Kasai, Masaji; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,820,824, Cl. 548-422.000.

Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru; Ashizawa, Tadashi; and Takahashi, Keiichi, 4,847,387, Cl. 549-384.000.

Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,822,882, Cl. 544-342.000.

Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,879,386, Cl. 544-343.000.

Saito, Yutaka; Kasai, Masaji; Shirahata, Kunikatsu; Kono, Motomichi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,853,385, Cl. 514-250.000.

Shida, Yasushi; Kuroda, Tokuyuki; Matsukuma, Ikuo; Morimoto, Makoto; and Ashizawa, Tadashi, 4,863,935, Cl. 514-322.000.

Ashizuka, Norihiro: *See—*

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Ashjian, Henry: *See—*

Andress, Harry J.; and Ashjian, Henry, 4,803,004, Cl. 252-51.50A.

Ashkin, Peter B.; and Clark, Michael, to Apple Computer, Inc. Method for requesting service by a device which generates a service request signal successively until it is serviced. 4,875,158, 10-17-89, Cl. 364-200.000.

Ashland Oil, Inc: *See—*

Culbertson, Billy M.; and Tiba, Omar, 4,841,002, Cl. 525-504.000.

Goel, Anil B.; and Jones, Jeffrey P., 4,863,525, Cl. 134-22.190.

Ashland Oil, Inc.: *See—*

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Culberton, Billy M.; and Tiba, Omar, 4,843,143, Cl. 528-211.000.

Culbertson, Billy M.; and Tiba, Omar, 4,806,267, Cl. 252-182.230.

Culbertson, Billy M.; and Tiba, Omar, 4,839,446, Cl. 525-504.000.

Dammann, Laurence G., 4,803,245, Cl. 525-123.000.

Dammann, Laurence G., 4,826,617, Cl. 525-107.000.

Dammann, Laurence G.; Blakley, Brent A.; and Carlson, Gary M., 4,855,383, Cl. 528-51.000.

Doison, Daniel J.; and See, Stephen E., 4,851,043, Cl. 106-14.110.

Fechter, Robert B.; and Gardikes, John J., 4,852,629, Cl. 164-16.000.

Flood, Paul W.; Corn, John E.; and Schafer, Robert J., 4,814,379, Cl. 525-66.000.

Goel, Anil B.; and Chang, Biau-Hung, 4,798,872, Cl. 558-186.000.

Goel, Anil B., 4,798,881, Cl. 528-73.000.

Goel, Anil B., 4,803,257, Cl. 528-45.000.

Goel, Anil B., 4,804,781, Cl. 564-154.000.

Goel, Anil B.; and Richards, Harvey J., 4,822,518, Cl. 252-182.260.

Goel, Anil B., 4,826,960, Cl. 534-591.000.

Goel, Anil B., 4,855,398, Cl. 528-367.000.

Goel, Anil B.; and Holehouse, Joseph G., 4,878,978, Cl. 156-272.400.

Grote, Dace; Embry, William L.; and Barnett, Kenneth W., 4,827,845, Cl. 502-406.000.

Gruber, Bruce A.; Langer, Heimo J.; and Dunnavant, William R., 4,847,308, Cl. 523-139.000.

Hayner, Roger E., 4,842,903, Cl. 427-428.000.

Hays, George F., 4,886,090, Cl. 137-624.110.

Henry, Colleen M., 4,814,363, Cl. 523-143.000.

Henry, Colleen M., 4,852,636, Cl. 164-527.000.

Hettinger, William P., 4,869,879, Cl. 422-144.000.

Hettinger, William P.; and Beck, H. Wayne, 4,877,514, Cl. 208-120.000.

Hettinger, William P., Jr.; and Veneziano, Larry D., 4,816,195, Cl. 264-29.200.

Hettinger, William P., Jr.; Murray, Steven W.; Adkins, Ricky L.; Fritz, Billy T.; Riggs, James R.; and Walters, Paul W., 4,869,880, Cl. 422-147.000.

Hosey, Richard E., 4,831,759, Cl. 40-564.000.

Hupp, Stephen S., 4,853,777, Cl. 358-107.000.

Jhaveri, Satish S.; Dunnavant, William R.; and Langer, Heimo J., 4,884,620, Cl. 164-15.000.

Moss, Christopher T.; Tufts, Timothy A.; and Bock, Robert S., 4,880,845, Cl. 521-114.000.

Moy, Timothy Y.; and Radcliff, Jeffery W., 4,802,627, Cl. 239-112.000.

Moy, Timothy Y.; and Radcliff, Jeffery W., 4,842,196, Cl. 239-3.000.

Nussbaum, Stephanie; and Streets, Roger L., 4,881,996, Cl. 156-157.000.

Reeve-Parker, Michael C., 4,808,222, Cl. 75-68.00R.

Reeve-Parker, Michael C., 4,861,370, Cl. 75-68.00R.

Scaccia, Carlo, 4,832,878, Cl. 260-544.00A.

Shriver, H. Randall; Dunnavant, William R.; and Gruber, Bruce A., 4,876,294, Cl. 523-139.000.

Snook, Robert L., 4,854,367, Cl. 164-34.000.

Tiba, Omar; Culbertson, Billy M.; and Carlos, Donald D., 4,814,223, Cl. 428-246.000.

Tsai, Chung-Chieh, 4,826,885, Cl. 521-176.000.

Tufts, Timothy A., 4,839,087, Cl. 252-182.270.

Tufts, Timothy A.; Borgnaes, Dan; Culbertson, Billy M.; and Wilkinson, Theodore C., 4,855,368, Cl. 525-454.000.

Tufts, Timothy A.; Bock, Robert S.; and Moss, Christopher T., 4,880,846, Cl. 521-129.000.

Vinson, George J., 4,886,112, Cl. 165-95.000.

Walters, Paul W.; Busch, Lloyd E.; and Zandona, Oliver J., 4,822,761, Cl. 502-38.000.

Woodson, Wayne D., 4,806,576, Cl. 523-139.000.

Zandona, Oliver J., 4,872,971, Cl. 208-419.000.

Ashland Products Company: *See—*

Simpson, Harold, 4,824,154, Cl. 292-338.000.

Simpson, Harold, 4,837,975, Cl. 49-175.000.

Ashley, Andrew W.: *See—*

Brown, Stephen C. N.; and Ashley, Andrew W., 4,872,545, Cl. 198-394.000.

Ashley, Donald J., to International Business Machines Corporation. Power control and fault isolation indicator. 4,803,592, 2-7-89, Cl. 361-79.000.

Ashley, James R.; and Palka, Frank M., to Hercules Defense Electronics Systems Inc. Apparatus for measuring frequency modulation noise signals having a frequency response compensation circuit. 4,801,8 1-31-89, Cl. 324-57.00N.

Ashley, Jonathan J.; Call, Mark G.; and Siegel, Paul H., to International Business Machines Corporation. Encoding for pit-per-transition optical data recording. 4,881,076, 11-14-89, Cl. 341-95.000.

Ashley, Paul R.: *See—*

Appleton, Bill R.; Ashley, Paul R.; and Buchal, Christopher J., 4,840,816, Cl. 427-38.000.

Ashley, R. David. Breaker box interface device. 4,814,929, 3-21-89, Cl. 361-1.000.

Ashlock Company: *See—*

Cimperman, Fred J., 4,871,568, Cl. 426-484.000.

Cimperman, Fred J., 4,876,954, Cl. 99-545.000.

Ashlock Company, a Division of Vistan Corporation: *See—*

Cimperman, Fred J., 4,831,924, Cl. 99-538.000.

Ashman, Charles M.: *See—*

Warren, Douglas H.; Matthews, John C.; Baldwin, Jay M.; Ashman, Charles M.; and Finlayson, James W., 4,801,423, Cl. 376-287.000.

Ashman, John J.; and Gilissen, Hermanus P. J., to AMP Incorporated. Opto-electrical connecting means. 4,807,955, 2-28-89, Cl. 350-96.2

Ashmead, H. Dewayne: *See—*

Ashmead, Harvey H.; Ashmead, H. Dewayne; and Graff, Darrell J., 4,863,898, Cl. 514-6.000.

Ashmead, Harvey H., to Albion International, Inc. Preparation of pharmaceutical grade amino acid chelates. 4,830,716, 5-16-89, Cl. 204-72.000.

Ashmead, Harvey H.; Ashmead, H. Dewayne; and Graff, Darrell J., to Albion International, Inc. Amino acid chelated compositions for delivery to specific biological tissue sites. 4,863,898, 9-5-89, Cl. 514-6.000.

Ashmore, Benjamin H., Jr., to Texas Instruments Incorporated. Integrated programmable bit circuit with minimal power requirement. 4,829,203, 5-9-89, Cl. 307-469.000.

Ashmore, Benjamin H., Jr., to Texas Instruments Incorporated. Single level poly programmable bit circuit. 4,862,019, 8-29-89, Cl. 307-469.000.

Ashmore, Benjamin H., Jr., to Texas Instruments Incorporated. Integrated programmable bit circuit using single-level poly construction. 4,866,307, 9-12-89, Cl. 307-469.000.

Ashmore, Buster: *See—*

McElroy, David; Coffman, Timmie M.; and Ashmore, Buster, 4,805,138, Cl. 365-53.000.

Ashok, Sankaranarayanan; Crane, Jacob; and Fister, Julius C., to Olin Corporation. Copper-iron-nickel composite material for electrical and electronic applications. 4,822,693, 4-18-89, Cl. 428-614.000.

Ashot Ashkelon Industries Ltd.: *See—*

Ron, Shimon, 4,823,899, Cl. 180-140.000.

Ashton, Charles D., to Advanced Micro Devices, Inc. Method and apparatus for identifying the precision of an operand in a multiprecision floating-point processor. 4,847,802, 7-11-89, Cl. 364-748.000.

Ashton, Douglas W. Sole protectors for shoes. 4,888,888, 12-26-89, Cl. 36-43.000.

Ashton, Harold: *See—*

Nowak, Ralph M.; Ashton, Harold; and Hornbostel, Earlene, 4,822,051, Cl. 273-157.00R.

Ashton, Kim J.: *See—*

Lakhan, Haresh C.; Switala, Lawrence W.; and Ashton, Kim J., 4,836,229, Cl. 134-93.000.

Ashton, Richard F.; and Ward, Bennie R., to Reynolds Metals Company. Process for producing aluminum-lithium alloys having improved superplastic properties. 4,830,682, 5-16-89, Cl. 148-11.50A.

Ashton, Robert H.: *See—*

Harshe, Bruce L.; and Ashton, Robert H., 4,830,022, Cl. 128-724.000.

Ashton, Thomas. Modular automotive seat frame. 4,887,864, 12-19-89, Cl. 297-375.000.

Ashton, Wallace T.; Field, Arthur K.; Karkas, John D. and Tolman, Richard L., to Merck & Co., Inc. Anti-viral guanine compounds. 4,816,447, 3-28-89, Cl. 514-81.000.

Ashton, Wallace T.; Walton, Edward; and Tolman, Richard L., to Merck & Co., Inc. Pyrimidine derivatives as antiviral compounds. 4,859,680, 8-22-89, Cl. 514-274.000.

Ashton, Wallace T.; Canning, Laura F.; Field, Arthur K.; and Tolman, Richard L., to Merck & Co., Inc. Guanine derivatives. 4,880,820, 11-14-89, Cl. 514-322.000.

Ashton, Wallace T.: *See—*

Tolman, Richard L.; and Ashton, Wallace T., 4,863,927, Cl. 514-274.000.

Ashworth Bros., Inc.: *See—*

Roinestad, Gerald, 4,846,339, Cl. 198-852.000.

Roinestad, Gerald C., 4,852,720, Cl. 198-778.000.

Roinestad, Gerald C.; and Straight, Michael R., 4,867,301, Cl. 198-852.000.

Ashworth, Robert H.: *See—*

DePietro, Mark A.; Klim, William T.; Ashworth, Robert H.; and Thiele, Robert E., 4,860,812, Cl. 160-135.000.

Ashworth, Timothy N.; and Littler, Brian G., to Scapa-Porritt Limited. Papermachine and like fabrics. 4,813,156, 3-21-89, Cl. 34-116.000.

ASI Controls: *See—*

Evans, Don M., 4,811,195, Cl. 364-133.000.

Asia Oil Company Limited: *See—*

Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.

Asick, John C.; Landis, John M.; and Yingst, Stephen M., to AMP Incorporated. Switching connector. 4,798,542, 1-17-89, Cl. 439-188.000.

Asick, John C.; and Yingst, Stephen M., to AMP Incorporated. Dual diameter cable strain relief. 4,842,549, 6-27-89, Cl. 439-464.000.

Asicomo A/S: *See—*

Nielsen, Ole S. M.; and Primdahl, Franz, 4,844,415, Cl. 251-325.000.

Asics Corporation: *See—*

Kiyosawa, Junichi, 4,878,301, Cl. 36-69.000.

Sugiyama, Yasunori, 4,798,010, Cl. 36-30.00R.

Sugiyama, Yasunori; and Nakata, Satoru, 4,854,055, Cl. 36-127.000.

Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, 4,878,176, Cl. 364-468.000.

Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, 4,882,580, Cl. 340-825.510.

Asinc, Inc.: *See—*

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Ask, Arne: *See—*

Stroby, Lennart; Nilsson, Ake; and Ask, Arne 4,865,631, Cl. 55-163.000.

Ask, Willy G.; and Wahlberg, E. Peter M., to Newline Electronic AB. Safety light band. 4,812,953, 3-14-89, Cl. 362-103.000.

Askew, Robert J. Circumferential suppression system. 4,800,595, 1-31-89, Cl. 2-270.000.

Askey, William G.; and Hopkins, Steven M., to United Technologies Corporation. Ring forging process. 4,860,567, 8-29-89, Cl. 72-254.000.

Askey, William G.: *See—*

Hopkins, Steven M.; and Askey, William G., 4,803,880, Cl. 72-354.000.

Askill, Ian N.: *See—*

Gilding, D. Keith; Reed, Andrew M.; Askill, Ian N.; and Briana, Stephen G., 4,813,966, Cl. 623-66.000.

Reed, Andrew M.; Askill, Ian N.; and Weber, Willis W., 4,849,458, Cl. 521-159.000.

Askin, David: *See—*

Verhoeven, Thomas R.; and Askin, David, 4,820,850, Cl. 549-292.000.

Askinazi, Clifford. Tip-free, stackable, disposable cup. 4,832,212, 5-23-89, Cl. 215-10.000.

Askins, Craig. Swim training device. 4,801,136, 1-31-89, Cl. 272-71.000.

ASKOLL S.r.l.: *See—*

Cavalcante, Vittorio, 4,820,410, Cl. 210-169.000.

Marioni, Elio; and Cavalcante, Vittorio, 4,861,240, Cl. 417-423.300.

Askonen, Arto A. Exercise device. 4,826,154, 5-2-89, Cl. 272-118.000.

Askwith, Andrew P.; and Lingard, John S., to GQ Defence Equipment Limited. Aerial device. 4,811,920, 3-14-89, Cl. 244-145.000.

Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, to Hoechst Celanese Corporation. Process for the production of 3-mono or 3,5-disubstituted-4-acetoxystyrene its polymerization, and hydrolysis. 4,868,256, 9-19-89, Cl. 526-75.000.

Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, to Hoechst Celanese Corporation. Process for the production of 3-mono or 3,5 disubstituted-4-acetoxystyrene, its polymerization. 4,868,257, 9-19-89, Cl. 526-75.000.

Aslami, Mohd: *See—*

Jaeger, Raymond E.; and Aslami, Mohd, 4,812,344, Cl. 428-34.600.

Aslanian, Jerry L. Flow control device for administration of intravenous fluids. 4,802,506, 2-7-89, Cl. 137-556.000.

Aslanian, Jerry L. Flow control device for administration of intravenous fluids. 4,807,660, 2-28-89, Cl. 137-382.000.

Asleson, Allan E. Storage device for sheets of sandpaper. 4,889,232, 12-26-89, Cl. 206-449.000.

Aslin, David J., to Aeroquip Corporation. Self regulating cyclonic separator. 4,795,561, 1-3-89, Cl. 210-512.100.

ASM America, Inc.: *See—*

Gardner, Steven J., 4,799,451, Cl. 118-500.000.

ASM Assembly Automation, LTD.: *See—*

Chan, Lo K.; and Cheung, Yui, 4,826,069, Cl. 228-103.000.

ASM Corporation: *See—*

Calder, Oliver J., 4,830,281, Cl. 239-119.000.

ASM Fico Tooling, b.v.: *See—*

Fierkens, Richardus H. J.; and Pas, Ireneus J. T. M., 4,877,387, Cl. 425-116.000.

Asmo Co., Ltd.: *See—*

Sahara, Hidesi, 4,868,947, Cl. 15-250.210.

Semura, Norio; Tsuchida, Masumi; and Shimamura, Yoshihiro, 4,879,803, Cl. 29-598.000.

Shirai, Yoshimichi; Ibe, Hiromitu; Kada, Yasutosi; and Sugishima, Kazushi, 4,862,575, Cl. 29-424.000.

Taguchi, Norikazu; Nishizaki, Hirozumi; Masui, Hisashi; and Ishizuka, Toshiyasu, 4,818,911, Cl. 310-259.000.

Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.

Yamase, Tokuhiro, 4,877,926, Cl. 200-19.00R.

Asmund S. Laerdal: *See—*

Laerdal, Tore; Aamodth, Kjell; and Eikeland, Harald, 4,797,104, Cl. 434-265.000.

Asmundsson, Karl, to Wyle Laboratories. Equipment support system. 4,832,305, 5-23-89, Cl. 248-636.000.

Asmundsson, Oli J.: *See—*

Guomundsson, Edgar; and Asmundsson, Oli J., 4,888,933, Cl. 52-779.000.

Asmus, John; and Boyer, Keith, to Maxwell Laboratories, Inc. Photodecontamination of surfaces. 4,867,796, 9-19-89, Cl. 131-1.000.

Asmus, John F.; and Lovberg, Ralph H., to University of California, The Regents of the. Plasma pinch system. 4,889,605, 12-26-89, Cl. 204-157.440.

Asmus, John F.: *See—*

Dunn, Joseph E.; Clark, R. Wayne; Asmus, John F.; Pearlman, Jay S.; Boyer, Keith; Painchaud, Fraincois; and Hofmann, Gunter A., 4,871,559, Cl. 426-248.000.

Asmus, Thomas W., to Chrysler Motors Corporation. Fuel injection heating system. 4,870,932, 10-3-89, Cl. 123-179.00H.

Asmus, Thomas W., to Chrysler Motors Corporation. Fuel injector heating method. 4,886,032, 12-12-89, Cl. 123-559.000.

Asmussen, Erik; and Munksgaard, Erik C., to Bayer Aktiengesellschaft. Conditioning liquids for tooth or bone matter. 4,810,195, 3-7-89, Cl. 433-215.000.

Asmussen, Frithjof; Schiller, Thomas; and Weigmann, Uwe, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Position-sensitive radiation detector. 4,870,265, 9-26-89, Cl. 250-211.00R.

Asmussen, Hans P. Traveler control. 4,881,481, 11-21-89, Cl. 114-204.000.

Asmuth, Peter: *See—*

Ritter, Gunter; Asmuth, Peter; and Raible, Ludwig, 4,839,148, Cl. 423-239.000.

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Shneerov, Yakov A., Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.

Aso, Akira, to NEC Corporation. Semi-custom integrated circuit provided with standardized capacitor cells. 4,841,352, 6-20-89, Cl. 357-45.000.

Aso, Fumio: *See—*

Nishi, Eiichi; Aso, Fumio; and Nakagawa, Hiroyoshi, 4,808,245, Cl. 148-6.15R.

Aso, Hiroaki, to Mitsubishi Denki Kabushiki Kaisha. Cooling apparatus for a starter motor and/or a generator for a car. 4,864,974, 9-12-89, Cl. 123-41.310.

- Aso, Hiroaki: *See—*
  - Kitamura, Yutaka; and Aso, Hiroaki, 4,818,906, Cl. 310-58.000.
  - Kitamura, Yutaka; and Aso, Hiroaki, 4,870,307, Cl. 310-54.000.
- Aso, Koichi: *See—*
  - Hayakawa, Masatoshi; Nagaki, Takehiro; Aso, Koichi; and Yamanoi, Hiroshi, 4,796,241, Cl. 369-13.000.
- Aso, Makoto: *See—*
  - Masegi, Mitsuhiko; Sakurai, Masao; and Aso, Makoto, 4,835,514, Cl. 340-426.000.
- Aso Pharmaceutical Co., Ltd.: *See—*
  - Amishima, Shigeaki, 4,798,194, Cl. 128-9.000.
  - Murata, Takaaki, 4,808,172, Cl. 604-306.000.
- Aso, Seiichi, to Mazda Motor Corporation. Arrangement for supporting and adjusting seats in vehicles. 4,889,379, 12-26-89, Cl. 296-65.100.
- Aso, Toshiyuki; and Ishibashi, Tamotsu, to Fanuc Ltd. Apparatus for detecting completion of automatic wire setting. 4,814,572, 3-21-89, Cl. 219-69.00W.
- Aso, Toshiyuki; and Kita, Yuki, to Fanuc Ltd. Three-point support guide of a wire electric discharge machine. 4,833,291, 5-23-89, Cl. 219-69.120.
- Aso, Toshiyuki; Kita, Yuuki; and Watanabe, Sadahiro, to Fanuc Ltd. Machining fluid supply controlling system for a wire cut electrical discharge machine. 4,857,688, 8-15-89, Cl. 219-69.140.
- Aso, Toshiyuki; and Kajitori, Toyotada, to Fanuc Ltd. Apparatus for supplying a working fluid in an electric discharge machine. 4,868,363, 9-19-89, Cl. 219-69.140.
- Aso, Toshiyuki; and Ishibashi, Tamotsu, to Fanuc Ltd. Wire cut electrodischarge machine tool. 4,877,935, 10-31-89, Cl. 219-69.120.
- Aso, Toshiyuki; and Hosoda, Hiroshi, to Fanuc Ltd. Wire-cut electrical discharge machine with electric shock preventer. 4,880,957, 11-14-89, Cl. 219-69.120.
- Aso, Toshiyuki: *See—*
  - Obara, Haruki; Aso, Toshiyuki; and Kinoshita, Hiroshi, 4,816,636, Cl. 219-69.00W.
  - Obara, Haruki; Aso, Toshiyuki; Kinoshita, Hiroshi; and Ishibashi, Tamotsu, 4,818,848, Cl. 219-69.120.
- Asoh, Seiichi, to Mazda Motor Corporation. Automotive rear underbody structure. 4,840,424, 6-20-89, Cl. 296-204.000.
- Asoh, Seiiti, to Mazda Motor Corporation. Automobile rear body structure. 4,886,312, 12-12-89, Cl. 296-76.000.
- Asonen, Harry: *See—*
  - Pessa, Markus; Asonen, Harry; Varrio, Jukka; and Salokatve, Arto, 4,876,218, Cl. 437-107.000.
- Asoshina, Eishi: *See—*
  - Sakuramoto, Takahumi; Asoshina, Eishi; Tominaga, Takashi; Ijichi, Ichiro; Kamei, Kiyohiro; and Konishi, Toshiharu, 4,797,251, Cl. 419-9.000.
  - Sakuramoto, Takahumi; Kojima, Makoto; Asoshina, Eishi; and Tominaga, Takashi, 4,830,819, Cl. 419-8.000.
- Asou, Yoshio: *See—*
  - Kosugi, Seiji; and Asou, Yoshio, 4,823,840, Cl. 137-625.270.
- Asp, Carl W.: *See—*
  - Silverstein, Bernard; and Asp, Carl W., 4,802,228, Cl. 381-68.000.
- Asp, Torbjorn, to Tocksfors Verkstads AB. Method and device for adjusting the heat flow at heating seats. 4,827,103, 5-2-89, Cl. 219-217.000.
- Aspden, Garth J., to National Nuclear Corporation Limited. Fluid flow-restricting seals or baffles. 4,834,937, 5-30-89, Cl. 376-377.000.
- Aspden, Garth J.; and Chesworth, Graham, to National Nuclear Corporation Limited. Coolant-pumping system for a nuclear reactor. 4,849,159, 7-18-89, Cl. 376-404.000.
- Aspelin, David J., to Boeing Company, The. Weapon interface system evaluator. 4,825,151, 4-25-89, Cl. 324-73.00R.
- Aspen Industries, Inc.: *See—*
  - Rojc, Karl J., 4,888,664, Cl. 361-383.000.
- Aspen Laboratories, Inc.: *See—*
  - Manes, Michael R., 4,848,335, Cl. 128-303.130.
  - Shutt, George V., 4,830,000, Cl. 128-305.100.
- Aspen Peripherals Corp.: *See—*
  - Herron, John S., 4,870,645, Cl. 371-37.400.
  - Nguyen, Thai, 4,814,673, Cl. 318-7.000.
  - Rather, Howard H., 4,884,274, Cl. 371-57.200.
- Aspenberg, Per: *See—*
  - Albrektsson, Tomas; and Aspenberg, Per, 4,880,006, Cl. 128-630.000.
- Asperger, Robert G.: *See—*
  - Thompson, Neil E. S.; and Asperger, Robert G., 4,826,625, Cl. 252-344.000.
  - Thompson, Neil E. S.; and Asperger, Robert G., 4,864,075, Cl. 558-237.000.
- Aspey, S. Alan: *See—*
  - Drachnik, Kenneth J.; Kheder, Joseph; and Aspey, S. Alan, 4,855,024, Cl. 204-147.000.
- Asphahani, Aziz; and Matthews, Steven J., to Haynes International, Inc. High molybdenum nickel-base alloy. 4,846,885, 7-11-89, Cl. 75-246.000.
- Asphalt Materials, Inc.: *See—*
  - Kriech, Anthony J.; and Wissel, Herbert L., 4,874,432, Cl. 106-273.100.
- Aspinall, William: *See—*
  - Henderson, Robert M.; and Aspinall, William, 4,825,519, Cl. 29-33.00K.
- Asplund, Timothy K.; and Hektner, Andrew P. Method of installation of hardware. 4,835,852, 6-6-89, Cl. 29-464.000.
- Asplundh Tree Expert Co.: *See—*
  - Esposito, James E., 4,822,407, Cl. 71-94.000.
- Asprey, Robert R.; and Shatas, Remigius G., to Cybex Corporation. Extended communications link for keyboard and display units remotely located from a computer. 4,885,718, 12-5-89, Cl. 364-900.000.
- Aspy, Robert O.: *See—*
  - Rorick, Donald E.; Hayes, Frank M.; and Aspy, Robert O., 4,856,731, Cl. 242-158.00R.
- Asquino, Daniel A.: *See—*
  - Fowler, David P.; Asquino, Daniel A.; and Cantu, Ramon, 4,794,833, Cl. 83-24.000.
- Asquith, Janet L.; and Connor, Bonnie G. Emergency signal balloon apparatus. 4,872,414, 10-10-89, Cl. 116-210.000.
- Asrar, Jawed, to Monsanto Company. Cyclopentadienylene vinylene polymers. 4,816,521, 3-28-89, Cl. 525-327.200.
- Assa, Charles: *See—*
  - Mathgen, Georges; and Assa, Charles, 4,869,406, Cl. 222-599.000.
- Assaad, Mahmoud C.: *See—*
  - Orjela, Gurdev; Assaad, Mahmoud C.; Beltz, David B.; and Prakash, Amit, 4,823,857, Cl. 152-540.000.
- Assaf, Gad; and Bronicki, Lucien, to Geophysical Engineering Company. Method of and means for generating electricity in an arid environment using elongated open or enclosed ducts. 4,801,811, 1-31-89, Cl. 290-55.000.
- Assaf, Gad, to Geophysical Engineering Company. Method of and means for controlling the condition of air in an enclosure. 4,803,846, 2-14-89, Cl. 62-94.000.
- Assaf, Gad, to Geophysical Engineering Company. Method and means for controlling the condition of air in an enclosure. 4,819,447, 4-11-89, Cl. 62-271.000.
- Assaf, Gad, to Geophysical Engineering Company. Method of and means for controlling the condition of air in an enclosure. 4,841,740, 6-27-89, Cl. 62-271.000.
- Assaf, Gad, to Geophysical Engineering Company. Method of and means for controlling the condition of air in an enclosure. 4,869,070, 9-26-89, Cl. 62-94.000.
- Assaf, Gad, to Geophysical Engineering Company. Heat exchanger and systems and methods for using the same. 4,872,315, 10-10-89, Cl. 62-94.000.
- Assaf Pharmaceutical Industries Ltd.: *See—*
  - Alspector, Benjamin, 4,824,560, Cl. 209-208.000.
- Assal, Francois T.; and Zaghloul, Amir I., to Communication Satellite Corporation. Combined global/spot beam configuration for satellite communications. 4,868,886, 9-19-89, Cl. 455-12.000.
- Assard, Gerald L., to United States of America, Navy. Complementary interferometric hydrophone. 4,799,202, 1-17-89, Cl. 367-149.000.
- Assel, Eugen; Dasbach, Burkhard; and Gebhard, Bruno, to Siemens Aktiengesellschaft. Subassembly case including a flat sheet metal shield fastened with V-shaped spring clips. 4,879,434, 11-7-89, Cl. 174-35.00R.
- Asselbergs, Christophe K. J., to Suncourt Holdings Inc. Portable fan device for forced air heating. 4,809,593, 3-7-89, Cl. 98-103.000.
- Asselbergs, Christophe K. J., to Suncourt Holdings Inc. Fan device. 4,846,399, 7-11-89, Cl. 236-49.400.
- Asselin, Jean-Claude; and Glowacki, Pierre A., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A." Nose cowl for a turbojet engine shaft. 4,863,354, 9-5-89, Cl. 416-245.00R.
- Asseline, Ulysse: *See—*
  - Nguyen, Thanh T.; Helene, Claude; and Asseline, Ulysse, 4,835,263, Cl. 536-27.000.
- Assenheim, Harry M.; and Morley, Edwin W., to Allied-Signal Inc. Method and apparatus for efficiently conveying light over a distance and effecting controlled illumination by projection thereof. 4,818,04[illegible], 4-4-89, Cl. 350-96.150.
- Assereto, Roberto: *See—*
  - Tognella, Sergio; Tedeschi, Michele; Assereto, Roberto; Tofanetti, Odoardo; and Cavalletti, Ennio, 4,871,528, Cl. 424-10.000.
- Assier, Bernard: *See—*
  - Homolko, Johannes; Dader, Pierre T.; and Assier, Bernard, 4,801,428, Cl. 422-61.000.
- Assinder, Andrew J.: *See—*
  - Burleigh, David W.; and Assinder, Andrew J., 4,854,639, Cl. 297-250.000.
- Assini, John E.; Kissinger, Paula A.; and Taylor, Lance S., to AMP Incorporated. Connector with open-ended boardlock. 4,865,55[illegible], 9-12-89, Cl. 439-82.000.
- Assist Research Corp.: *See—*
  - Kelly, Edward C., 4,856,499, Cl. 128-79.000.
- Asslaender, Peter; Hafner, Udo; and Reiter, Ferdinand, to Robert Bosch GmbH. Electromagnetically actuatable valve. 4,830,2[illegible], 5-16-89, Cl. 239-585.000.
- Assmann, Hans, to Oregon Etablissement fur Patentverwertung. Fragmentation shell for grenades, particularly hand grenades. 4,817,5[illegible], 4-4-89, Cl. 102-482.000.
- Assmann, Helmut; Dorr, Wolfgang; Maier, Georg; and Peehs, Martin, to Kraftwerk Union Aktiengesellschaft. Method and tunnel furnace for sintering blanks. 4,795,341, 1-3-89, Cl. 432-126.000.
- Assmus, Richard C.: *See—*
  - Trickett, Elizabeth A.; and Assmus, Richard C., 4,806,295, Cl. 264-59.000.
  - Trickett, Elizabeth A.; and Assmus, Richard C., 4,833,000, Cl. 428-137.000.
- Associated Data Consoltants: *See—*
  - Brown, Robert J., III; and Brown, Kenneth E., 4,847,781, Cl. 364-492.000.

- Associated Data Consultants, Inc.: *See—*
  - Brown, Robert J., Jr.; and Staples, Charles W., 4,847,782, Cl. 364-492.000.
- Associated Engineering Italy S.p.A.: *See—*
  - Raggi, Lodovico, 4,829,883, Cl. 92-222.000.
- Associated Industries Limited: *See—*
  - Dyson, Clive M., 4,801,802, Cl. 250-330.000.
- Associated Management Group: *See—*
  - Smith, Garry D. F.; and Manderson, William, 4,884,935, Cl. 414-498.000.
- Associated Mills Inc.: *See—*
  - Foster, Robert W.; and Kempiak, Donald J., 4,823,225, Cl. 361-42.000.
  - Foster, Robert W., Jr., 4,811,159, Cl. 361-231.000.
  - Foster, Robert W., Jr., 4,851,951, Cl. 361-50.000.
  - Stern, Richard J.; Rundzaitis, Alfons; and Peterson, Samuel F., 4,814,078, Cl. 210-282.000.
- Associated Universities, Inc.: *See—*
  - Skotheim, Terje A.; Okamoto, Yoshiyuki; and Lee, Hung S., 4,882,243, Cl. 429-192.000.
  - Sugama, Toshifumi, 4,822,422, Cl. 106-97.000.
  - Sugama, Toshifumi, 4,871,395, Cl. 106-88.000.
  - Sugama, Toshifumi, 4,889,718, Cl. 428-343.000.
- Association pour la Recherche et le Developpement des Methodes et Processus: *See—*
  - Meyer, Fernand; and Klein, Jean-Claude, 4,809,348, Cl. 382-49.000.
- Association pour la Recherche et le Developpement des Methodes et Processus Industriels (A.R.M.I.N.E.S.): *See—*
  - Achard, Patrick; and Mayer, Didier, 4,816,173, Cl. 252-70.000.
  - Beucher, Serge; Blosseville, Jean-Marc; and Lenoir, Francois, 4,839,648, Cl. 340-933.000.
  - Bois, Francoise J.; Remy, Luc G.; and Theret, Jean-Marc C., 4,818,306, Cl. 148-404.000.
- Association pour la Recherche et le Developpement des Methodes et Processus Industriels (Armines): *See—*
  - Bourgeois, Jean-Paul, 4,816,572, Cl. 536-56.000.
- Assum, Rudolf S.; and Sczepur, Franz, to Alcatel N.V. Rotary coding switch. 4,822,960, 4-18-89, Cl. 200-11.00R.
- Asszonyi, Csaba: *See—*
  - Varkonyi, Laszlo ; Vaci, Gyula; and Asszonyi, Csaba, 4,820,080, Cl. 405-45.000.
- Ast, Adolf: *See—*
  - Murdter, Herbert; and Ast, Adolf, 4,799,559, Cl. 177-124.000.
- Ast, Hans-Peter: *See—*
  - Will, Rolf; and Ast, Hans-Peter, 4,801,514, Cl. 429-167.000.
- Asta Pharma Aktiengesellschaft: *See—*
  - Emig, Peter; Engel, Juergen; Scheffler, Gerhard; Weischer, Carl H.; and Nickel, Bernd, 4,851,420, Cl. 514-352.000.
  - Engel, Jurgen; Muller, Siegfried; and Laubner, Werner, 4,882,452, Cl. 558-81.000.
  - Engle, Jurgen, 4,868,175, Cl. 514-212.000.
  - Hartmann, Rolf W.; and Batzl, Christine, 4,839,370, Cl. 514-328.000.
  - Keller, Heimo; and Keppler, Bernhard, 4,843,069, Cl. 514-184.000.
- Astashov, Alexei M.: *See—*
  - Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P., and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.
- Aste, Robert: *See—*
  - Bloch, Peter; and Aste, Robert, 4,806,086, Cl. 425-114.000.
- Astec Industries, Inc.: *See—*
  - Brock, J. Don; and May, James G., 4,867,572, Cl. 366-25.000.
- Astec International, Ltd.: *See—*
  - Riddoch, Henry J., 4,831,372, Cl. 340-788.000.
  - Whittle, Rex W. J., 4,887,199, Cl. 363-49.000.
- Astec U.S.A. (HK) Limited: *See—*
  - Zansky, Zoltan, 4,837,495, Cl. 323-222.000.
- Astechnologies, Inc.: *See—*
  - Elliott, George M.; and Avery, Michael L., 4,795,517, Cl. 156-221.000.
- Asten Group, Inc.: *See—*
  - Barrette, Denis; Chakravarty, Rajat; and Loiselle, Andre, 4,862,926, Cl. 139-383.00A.
  - Cunnane, Francis J., 4,865,083, Cl. 139-383.00A.
  - Cunnane, Francis J., 4,887,648, Cl. 139-383.00H.
  - Diaz-Kotti, Michelle, 4,830,915, Cl. 428-110.000.
  - Diaz-Kotti, Michelle A., 4,798,760, Cl. 428-234.000.
  - Dufour, Marcel; and Piat, Jacques, 4,842,925, Cl. 428-223.000.
  - Dufour, Marcel; and Piat, Jacques, 4,842,929, Cl. 428-300.000
  - Dufour, Marcel, 4,856,562, Cl. 139-383.00A.
  - Dufour, Marcel, 4,883,097, Cl. 139-383.00A.
  - Loiselle, Andre; and Cadieux, Jacques, 4,842,212, Cl. 242-96.000.
  - Penven, Patrick, 4,806,208, Cl. 162-199.000.
  - Penven, Patrick H., 4,806,413, Cl. 428-222.000.
  - Penven, Patrick H., 4,824,525, Cl. 162-358.000.
  - Penven, Patrick H., 4,846,231, Cl. 139-383.00A.
  - Penven, Patrick H., 4,883,096, Cl. 139-383.00A.
  - Searfass, Harry I., 4,820,571, Cl. 428-225.000.
  - Stech, William J., 4,842,905, Cl. 428-33.000.
- Aster Corporation: *See—*
  - Gillham, Frederick J.; and Stowe, David W., 4,844,573, Cl. 350-96.150.
- Astheimer, Robert W., to Barnes Engineering Company. Apparatus for accurately measuring temperature of materials of variable emissivity. 4,883,364, 11-28-89, Cl. 374-129.000.
- Astier, Pierre. Clothing ornamentation device adapted to be fitted to a button passed through a buttonhole. 4,817,249, 4-4-89, Cl. 24-113.0MP.
- Astle, Brian; and Ripley, Gerald D., to Intel Corporation. Apparatus for inserting part of one video image into another video image. 4,827,344, 5-2-89, Cl. 358-183.000.
- Astle, Brian: *See—*
  - Golin, Stuart J.; Simon, Allen H.; Astle, Brian; and Keith, John M., 4,868,653, Cl. 358-133.000.
  - Harney, Kevin; Keith, John M.; Sprague, David L.; and Astle, Brian, 4,816,913, Cl. 358-133.000.
  - Simon, Allen H.; Sprague, David L.; Keith, John M.; Patti, Michael F.; Harney, Kevin; Ryan, Lawrence D.; Fedele, Nicola J.; and Astle, Brian, 4,823,201, Cl. 358-133.000.
- Astle, William H.: *See—*
  - VanderPol, Jerald; Silber, Cory J.; and Astle, William H., 4,872,249, Cl. 29-157.400.
- Astleford, Marvin G.: *See—*
  - Vossoughi, Sohrab; and Astleford, Marvin G., 4,836,486, Cl. 248-281.100.
- Astley, Graham J.: *See—*
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,798,008, Cl. 34-243.00C.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,799,287, Cl. 15-405.000.
  - Belanger, James A.; Wentworth, Robert J.; Astley, Graham J.; and Turner, Barry S., 4,817,301, Cl. 34-243.00C.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,848,670, Cl. 239-553.000.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,882,826, Cl. 29-527.100.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,884,9[illegible] Cl. 415-206.000.
- Astmann, Robert H., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Communication system distributed processing message delivery system. 4,853,956, 8-1-89, Cl. 379-269.000.
- Aston, David A.: *See—*
  - Waller, John E.; Gray, John A.; and Aston, David A., 4,810,405, Cl. 252-81.000.
- Aston, Walter J.; and Garbett, Paul, to Yale Security Products Limited. Electronic key-operable lock and key thereof. 4,866,962, 9-19-89, Cl. 70-277.000.
- Astra Lakemedel Aktiebolag: *See—*
  - Johansson, Karl N.; Lindborg, Bjorn G.; and Noren, Jan-Olof, 4,798,833, Cl. 514-262.000
  - Palmer, Derek R.; and Tyson, Robert G., 4,820,857, Cl. 558-277.000.
  - Sandberg, Rune V., 4,870,086, Cl. 514-330.000.
  - Vaya, Jacob; Ladkani, David; Schoenberger, Clara; Kaspi, Joseph; Salemnick, Gad; Yellin, Haim; and Cherkez, Stephan, 4,889,929, Cl. 540-318.000.
- Astra Plastique: *See—*
  - Odet, Philippe; and Agati, Jean P., 4,795,043, Cl. 215-235.000.
  - Odet, Philippe, 4,830,234, Cl. 222-465.100.
  - Perne, Raymond; and Odet, Philippe, 4,805,807, Cl. 222-153.000.
- Astra-Vent AB: *See—*
  - Torok, Vilmos; and Loreth, Andrzej, 4,812,711, Cl. 315-111.910.
- Astrl Corporation: *See—*
  - Lopez, Wallace, 4,844,708, Cl. 418-36.000.
- Astro-Med Inc.: *See—*
  - Gaskill, David M.; and Iannucci, Paul V., 4,811,036, Cl. 346-76.0PH.
- Astro Met Associates, Inc.: *See—*
  - Kinney, John W., Jr.; and Graham, John W., 4,839,049, Cl. 210-510.100.
- Astro-Stream Corporation, The: *See—*
  - Carini, Ed, 4,871,170, Cl. 273-126.00R.
- Astro-Valcour, Incorporated: *See—*
  - Pontiff, Thomas M.; and Collins, Frederick H., 4,870,111, Cl. 521-60.000.
- Astrom, Anders F.: *See—*
  - Schleimann-Jensen, Lars J.; Engding, Alf E.; and Astrom, Anders F., 4,879,460, Cl. 250-230.00R.
- Astromed Limited: *See—*
  - Mackay, Craig D., 4,852,137, Cl. 378-62.000.
  - Mackay, Craig D., 4,874,492, Cl. 204-182.800.
- Astronautical Science: *See—*
  - Horiuchi, Ryo; Saito, Satoshi; Suzuki, Koichi; and Higashino, Kazuyuki, 4,856,163, Cl. 29-157.00C.
- Astronautics Corporation of America: *See—*
  - Malcolm, Richard E.; and Neuperger, Frank, 4,798,426, Cl. 350-3.700.
- Astronics Corporation: *See—*
  - Krupnik, Elliot, 4,806,908, Cl. 341-22.000.
- Astrope, Myrle E.; and Bushman, Norman P. Method and apparatus using bituminous sandstone for pavement repair. 4,859,502, 8-22-89, Cl. 427-139.000.
- Asturiana De Zinc, S.A.: *See—*
  - Menendez, Francisco J. S.; Menendez, Fernando M. S.; De La Cuadra Herrera, Antonio; Tamargo, Francisco A.; Lorenzo, Luis P.; Valcarcel, Matias R.; and Fernandez, Vicente A., 4,886,648, Cl. 423-92.000.

Asulab S.A.: *See—*
  Randin, Jean-Paul; and Gauckler, Ludwig, 4,822,694, Cl. 428-615.000.
  Steffen, Jurg, 4,847,849, Cl. 372-61.000.
  Tu, Xuan M.; and Taghezout, Daho, 4,799,003, Cl. 322-29.000.
Asyst Technologies: *See—*
  Bonora, Anthony C.; and O'Sullivan, Andrew W., 4,802,809, Cl. 414-217.000.
  Bonora, Anthony C.; and Rosenquist, Fred T., 4,859,137, Cl. 414-648.000.
Asyst Technologies, Inc.: *See—*
  Maney, George A.; Faraco, W. George; and Parikh, Mihir, 4,815,912, Cl. 414-217.000.
Aszman, Harry W., to Colgate-Palmolive Company. Scrubber pad. 4,820,579, 4-11-89, Cl. 428-304.400.
AT&E Corporation: *See—*
  O'Brien, Dennis J.; Hanson, Paul G.; Klarquist, Thomas D.; Nepple, Bruce C.; Park, Michael C.; and Rosas, Robin R., 4,885,763, Cl. 379-67.000.
  Ragan, Lawrence H., 4,885,802, Cl. 455-344.000.
  Suter, Richard R., 4,870,372, Cl. 330-280.000.
AT&T and Philips Telecommunications B.V.: *See—*
  Akkermans, Gerardus P. M., 4,873,524, Cl. 341-73.000.
  Dekker, Hendrikus J.; and Velthof, Johannes H. M., 4,797,904, Cl. 375-60.000.
  Engel, Ludovicus H. M.; Pieket Weeserik, Pieter C.; and Winters, Geert, 4,811,087, Cl. 358-36.000.
  van Baardewijk, Johannes, 4,849,964, Cl. 370-63.000.
  van Baardwijk, Johannes; and van der Steen, Dick, 4,796,254, Cl. 370-58.000.
  van Baardwijk, Johannes; and Bos, Marinus A., 4,809,263, Cl. 370-66.000.
  van Baardwijk, Johannes; and Bos, Marinus A., 4,811,335, Cl. 370-63.000.
  Van Doorn, Willem, 4,808,810, Cl. 250-214.00A.
  Velo, Henri J., 4,825,176, Cl. 330-254.000.
  Wouda, Kornelis J.; and Tol, Simon J. M., 4,817,081, Cl. 370-321.000.
Atabaev, Mukan D.: *See—*
  Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.
Atabekov, Iosif G.; Avaeva, Svetlana M.; Baikov, Alexandr A.; Kulinich, Alexandr V.; Mizenina, Olga A.; Kasho, Vladimir N.; and Smirnova, Irina N., to Moskovsky Gosudarstvennx Universitet Imeni M. V. Lomonoso VA. Enzyme immunoassays using inorganic pyrophosphatase. 4,808,522, 2-28-89, Cl. 435-7.000.
Atac, Muzaffer, to United States of America, Energy. Wire chamber. 4,857,740, 8-15-89, Cl. 250-374.000.
Atago, Takeshi; Mouri, Yasunori; and Manaka, Toshio, to Hitachi, Ltd. Fuel injection system. 4,821,698, 4-18-89, Cl. 123-478.000.
Atago, Takeshi: *See—*
  Fujiwara, Yasuhiko; Abe, Toshiro; Hashimoto, Atsunori; Nakazawa, Shinsuke; Nagano, Masami; and Atago, Takeshi, 4,887,573, Cl. 123-422.000.
  Nagano, Masami; Atago, Takeshi; and Manaka, Toshio, 4,799,469, Cl. 123-418.000.
  Nagano, Masami; and Atago, Takeshi, 4,852,537, Cl. 123-419.000.
  Ohnari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; Atago, Takeshi; and Shioya, Makoto, 4,887,216, Cl. 364-431.060.
  Onari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; and Atago, Takeshi, 4,853,720, Cl. 364-431.070.
Ataka, Kikuo; and Oku, Masayoshi, to UBE Industries, Ltd. Trifluorohydroxyaromatic acid and preparation thereof. 4,831,190, 5-16-89, Cl. 362-474.000.
Ataka, Kikuo: *See—*
  Hamasaki, Naotaka; Kawamura, Hirotaka; Ohtsu, Norio; Nakakoshi, Ichiro; Ataka, Kikuo; Oomori, Kiyosi; and Kouno, Masahiko, 4,874,882, Cl. 558-131.000.
Ataka, Saburo: *See—*
  Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umetani, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, 4,806,757, Cl. 250-327.200.
Ataka, Takashi. Compressing and grinding apparatus. 4,807,816, 2-28-89, Cl. 241-67.000.
Ataka, Tatsuaki: *See—*
  Tsugita, Akira; Arai, Isamu; and Ataka, Tatsuaki, 4,865,994, Cl. 436-57.000.
Atal, Bishnu S.; and Trancoso, Isabel M. M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Digital speech processor using arbitrary excitation coding. 4,827,517, 5-2-89, Cl. 381-41.000.
Atalla, Anwar A.; and Swin, Sr., Richard E., to Tec-Air, Inc. Portable night light and air freshener. 4,816,973, 3-28-89, Cl. 362-226.000.
Atalla Corporation: *See—*
  Atalla, Martin M., 4,870,683, Cl. 380-56.000.
  Atalla, Martin M.; and Roberts, Alan, 4,885,779, Cl. 380-56.000.
Atalla, Martin M., to Atalla Corporation. Personal identification encryptor system and method. 4,870,683, 9-26-89, Cl. 380-56.000.
Atalla, Martin M.; and Roberts, Alan, to Atalla Corporation. Personal identification encryptor system with error-correcting code and method. 4,885,779, 12-5-89, Cl. 380-56.000.
Atallah, Francois I.; Bond, Paul W.; and Frey, Denise E., to International Business Machines Corporation. Remote connection of termination network. 4,823,095, 4-18-89, Cl. 333-22.00R.
Atarashi, Shohgo: *See—*
  Hayakawa, Isao; Atarashi, Shohgo; Yokohama, Shuichi; and Imamura, Masazumi, 4,871,852, Cl. 544-363.000.
Atarashiya, Kenji: *See—*
  Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime, Toshiyuki, 4,813,867, Cl. 431-353.000.
Atari Corporation: *See—*
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Atari Games: *See—*
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  Van Elderen, Daniel N.; and Lichac, Gerald J., 4,875,459, Cl. 124-49.000.
Atari, Yasuhiro: *See—*
  Mukai, Hideki; and Atari, Yasuhiro, 4,836,356, Cl. 198-499.000.
Atcheson, Paul D., to Ball Corporation. Hemispherical retroreflector 4,889,409, 12-26-89, Cl. 350-104.000.
Atchison, Edward J. Awning assembly. 4,862,940, 9-5-89, Cl. 160-67.000.
Atchley, Frank W. Gnaw resistant animal water bottle. 4,794,880, 1-3-89, Cl. 119-72.500.
Atchley, Frank W. Inverted bottle water dispenser for large animals 4,807,567, 2-28-89, Cl. 119-18.000.
Atchley, Frank W. Avian water bottle assembly. 4,821,678, 4-18-89, Cl. 119-18.000.
Atchley, Frank W. Spill resistant animal feeding dish. 4,886,016 12-12-89, Cl. 119-61.000.
Atec-Weiss KG: *See—*
  Weiss, Rudolf, 4,846,761, Cl. 464-69.000.
Atel Corporation: *See—*
  Martinez, Antonio, Jr., 4,886,284, Cl. 280-43.120.
Atelier fur Kunst und Technik GmbH: *See—*
  Teichmann, Clemens, 4,819,143, Cl. 362-282.000.
Ateliers de Construction E. Molinet: *See—*
  Brenez, Simon, 4,821,764, Cl. 137-238.000.
Ateliers de Constructions et d'Innovations: *See—*
  Chaneac, Andre, 4,848,282, Cl. 123-58.0AM.
Ateliers Reunis Caddie: *See—*
  Le Marchand, Alain; and Bailly, Daniel, 4,850,604, Cl. 280-33.99
Aten, Curry L.: *See—*
  Moore, David R.; and Aten, Curry L., 4,813,614, Cl. 241-23.00
Aten, Edward M.; and Parkhurst, Larry E., to Medical Microsystems Inc. Multiple cartridge dispensing system. 4,823,982, 4-25-89, C 221-3.000.
ATEQ Corporation: *See—*
  Allen, Paul C.; and Warkentin, Paul A., 4,796,038, Cl. 354-4.00
  Allen, Paul C.; and Warkentin, Paul A., 4,797,696, Cl. 354-4.00
  Goodman, Allan L.; Green, Morris H.; Jolley, Matthew J.; Teitze Robin L.; and Wipfli, John L., 4,806,921, Cl. 340-747.000.
  Warkentin, Paul A.; Rieger, Michael L.; Michalski, Chris A.; an Jolley, Matthew J., 4,879,605, Cl. 358-296.000.
Atesmen, Mehmet K.; and Myers, Warren D., II, to Applied Magnetics Corporation. Microminimonolithic magnetic head slider. 4,823,216 4-18-89, Cl. 360-103.000.
Ateya, Kamal, to Sandoz Ltd. Compositions comprising a water-soluble metal complex dye, an oxyalklated amine sulphate ester and a dispersing agent. 4,802,887, 2-7-89, Cl. 8-524.000.
Athale, Ravindra A.: *See—*
  Lee, John N.; Athale, Ravindra A.; and Rolsma, Peter B 4,862,115, Cl. 332-7.510.
Athena Industries, Inc.: *See—*
  Metcalf, Derek N. G., 4,832,298, Cl. 248-222.200.
Athens Corporation: *See—*
  Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W. Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; an Lipisko, Bruce A., 4,828,660, Cl. 204-82.000.
Athens, Inc.: *See—*
  Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W. Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; an Lipisko, Bruce A., 4,855,023, Cl. 204-130.000.
Atherton, James H.; and Stanojevic, Silvo, to Honeywell, Inc. Integrated circuit voltage regulator with transient protection. 4,884,16 11-28-89, Cl. 361-18.000.
Atherton, Kim W.; Clow, Charles R.; and Mawet, Patrick H., to Caterpillar Inc. Dielectric liquid level sensor and method. 4,806,84 2-21-89, Cl. 324-61.00P.
Atherton, Robert W. Real world modeling and control proces 4,796,194, 1-3-89, Cl. 364-468.000.
Athey Products Corp.: *See—*
  Brown, Stanley M., 4,872,233, Cl. 15-83.000.
Athey, Robert D. Seam for inpenetrable material. 4,806,435, 2-21-89, C 428-594.000.
Athey, Roderick E.: *See—*
  McFarlane, Donald P.; and Athey, Roderick E., 4,830,865, C 426-399.000.
Atkin, Howard S.; and Palmer, Christopher J., to Advanced Design & Manufacture Limited. Thermally efficient room ventilator. 4,799,53 1-24-89, Cl. 165-54.000.
Atkins, Bruce; and Tardif, Pierre, to Leader Brac Industries Inc. Apparatus for feeding leader tape. 4,817,840, 4-4-89, Cl. 225-7.000.
Atkins, Judy M.; Comfort, Benjamin J.; and Liebelt, Ralph A., to Smit & Nephew, Inc. Method and device for detection of tissue infiltratio 4,877,034, 10-31-89, Cl. 128-664.000.

Atkins, Martin P.; Ballantine, James A.; Purnell, John H.; and Williams, John, to British Petroleum Company p.l.c., The. Lithiated clays and uses thereof. 4,866,020, 9-12-89, Cl. 502-84.000.
Atkins, Raymond C.: *See—*
  Smithies, Stafford A.; and Atkins, Raymond C., 4,796,531, Cl. 102-217.000.
Atkins, Thomas M.; Tuck, Brian C.; Fuller, Edward N.; and Every, Peter, to Kelsey-Hayes Company. Vehicle anti-lock brake system. 4,865,399, 9-12-89, Cl. 303-116.000.
Atkins, Thomas M., to Kelsey Hayes Company. Vehicle anti-lock brake system. 4,886,322, 12-12-89, Cl. 303-109.000.
Atkinson, Arthur H.; and Buttolph, David E., to Small Brothers U.S.A., Inc. Maple syrup vaporizer apparatus with hollow shell recirculation arch. 4,796,602, 1-10-89, Cl. 126-59.500.
Atkinson, Bobby, to General Dynamics Corporation. Wire sensing and measurement apparatus. 4,794,800, 1-3-89, Cl. 73-827.000.
Atkinson, David C.; Fishman, Jack; and Sherman, Fred P., to Baker Cummins Pharmaceuticals, Inc. Method of treatment for arthritic and inflammatory diseases. 4,863,928, 9-5-89, Cl. 514-282.000.
Atkinson, David C.: *See—*
  Sherman, Fred P.; and Atkinson, David C., 4,857,533, Cl. 514-282.000.
Atkinson, Donald M.: *See—*
  Schlameus, Herman W.; Lew, Chel W.; and Atkinson, Donald M., 4,888,140, Cl. 264-4.300.
Atkinson, Earl R., Jr.: *See—*
  Corrigan, Eugene J.; and Atkinson, Earl R., Jr., 4,803,956, Cl. 119-106.000.
Atkinson, Edward B.: *See—*
  Dunbar, John H.; and Atkinson, Edward B., 4,795,998, Cl. 338-5.000.
  Penneck, Richard J.; Fox, David R.; and Atkinson, Edward B., 4,809,244, Cl. 367-162.000.
Atkinson, Jeffrey: *See—*
  Mazzarella, Emil D.; Maliczyszyn, Walter; and Atkinson, Jeffrey, 4,832,792, Cl. 162-158.000.
Atkinson, Joseph: *See—*
  Baldwin, John J.; Atkinson, Joseph; and McClure, David E., 4,816,457, Cl. 514-256.000.
Atkinson, Joseph G.; Guindon, Yvan; and Lau, Cheuk K., to Merck Frosst Canada, Inc. Benzofuran 2-carboxylic acid hydrazides useful as inhibitors of leukotriene biosynthesis. 4,822,803, 4-18-89, Cl. 514-320.000.
Atkinson, Paul H.; Bellamy, A. Richard; Both, Gerald W.; and Poruchynsky, Marianne S., to Albert Einstein College of Medicine of Yeshiva University. Rotavirus antigens. 4,861,864, 8-29-89, Cl. 530-324.000.
Atkinson, Raymond A.: *See—*
  Zysset, Edgar H.; and Atkinson, Raymond A., 4,804,105, Cl. 220-273.000.
Atkinson, Simon: *See—*
  Moon, Philip A. K.; and Atkinson, Simon, 4,833,344, Cl. 307-296.600.
Atkinson, William G.; and Dews, Thomas K., to Paperboard Industries Corporation. Carton divider incorporating 3-ply lifting handle. 4,867,373, 9-19-89, Cl. 229-117.160.
Atlanta Attachment Company: *See—*
  Burton, Gene, Jr., 4,886,005, Cl. 112-292.000.
Atlanta Cutlery Corporation: *See—*
  Cunningham, William D., 4,811,486, Cl. 30-161.000.
Atlanta Motoring Accessories, Inc.: *See—*
  Snoke, Phillip J.; and Golley, Frank B., 4,830,386, Cl. 280-38.000.
Atlantic-Caribbean Products, Inc.: *See—*
  Schmoyer, Harold J., 4,794,825, Cl. 81-57.390.
Atlantic Refining Company: *See—*
  Airhart, Tom P., 4,804,062, Cl. 181-121.000.
Atlantic Research Corporation: *See—*
  Isbister, Jenefir D., 4,808,535, Cl. 435-252.100.
Atlantic Richfield: *See—*
  Bass, Ronald M., 4,843,401, Cl. 343-701.000.
Atlantic Richfield Company: *See—*
  Abel, James C., 4,878,377, Cl. 73-59.000.
  Airhart, Tom P., 4,799,572, Cl. 181-114.000.
  Airhart, Tom P., 4,803,669, Cl. 367-72.000.
  Airhart, Tom P., 4,819,759, Cl. 181-121.000.
  Airhart, Tom P., 4,848,512, Cl. 181-114.000.
  Airhart, Tom P., 4,875,544, Cl. 181-113.000.
  Anderson, A. Jerome; and Beze, Norman L., 4,830,038, Cl. 136-251.000.
  Bader, Robert A.; and Axelrod, Michael G., 4,855,111, Cl. 422-142.000.
  Baillie, Lloyd A., 4,809,543, Cl. 73-61.10R.
  Baillie, Lloyd A., 4,813,270, Cl. 73-61.00R.
  Baillie, Lloyd A., 4,862,601, Cl. 34-182.000.
  Baillie, Lloyd A., 4,872,336, Cl. 73-40.50R.
  Bays, Marvin G., 4,853,907, Cl. 367-189.000.
  Berman, Elliot, 4,798,808, Cl. 437-4.000.
  Berman, Elliot, 4,816,324, Cl. 428-216.000.
  Boekhaus, Kenneth L.; and Voelz, Fred L., 4,884,530, Cl. 123-1.00A.
  Brown, Stanley M.; Byrne, John W.; and Jacobs, Harry E., 4,839,026, Cl. 208-120.000.
  Chao, Tai S., 4,861,504, Cl. 252-48.200.
  Corrigan, Dennis, 4,853,902, Cl. 367-44.000.
  Crews, Gary A.; and Martinez, David R., 4,890,264, Cl. 367-45.000.
  Dunbar, John A., 4,868,793, Cl. 367-16.000.
  Elias, Eric; and Knapp, Karl E., 4,873,118, Cl. 427-39.000.
  Ermer, James H.; and Love, Robert B., 4,798,660, Cl. 204-192.170.
  Gaffney, Anne M.; Jones, C. Andrew; and Sofranko, John A., 4,795,842, Cl. 585-400.000.
  Gaffney, Anne M.; Jones, C. Andrew; and Sofranko, John A., 4,795,849, Cl. 585-500.000.
  Gaffney, Anne M., 4,849,571, Cl. 585-500.000.
  Gard, Michael F.; Kingman, John E. E.; and Klein, James D., 4,837,518, Cl. 324-368.000.
  Gard, Michael F., 4,853,616, Cl. 324-65.00R.
  Haley, Jerry L.; and Wood, Dennis R., 4,830,104, Cl. 166-214.000.
  Haley, Jerry L.; Barber, Weldon H.; and Morris, Kavin J., 4,871,019, Cl. 166-167.000.
  Horn, Marc C., 4,853,615, Cl. 324-65.00R.
  Hsu, Frank H.; and Dech, James A., 4,807,704, Cl. 166-313.000.
  Klein, James D., 4,812,766, Cl. 324-362.000.
  Kolpak, Miroslav M., 4,852,395, Cl. 73-61.10R.
  Lara, Pedro F., 4,799,391, Cl. 73-865.800.
  Lara, Pedro F., 4,843,319, Cl. 324-240.000.
  Levine, Robert A., 4,840,729, Cl. 210-170.000.
  Leyshon, David W., 4,801,762, Cl. 585-500.000.
  Leyshon, David W.; and Bader, Robert A., 4,876,409, Cl. 585-500.000.
  Leyshon, David W., 4,886,932, Cl. 585-500.000.
  Mana, Michael L., 4,875,525, Cl. 166-280.000.
  Montgomery, Melvin G., 4,876,450, Cl. 250-261.000.
  Oquendo, Javier N.; and Leone, Joseph A., 4,872,992, Cl. 210-659.000.
  Pearson, C. M.; Zeren, Fevzi; and Abou-Sayed, Ahmed S., 4,821,564, Cl. 73-155.000.
  Pearson, C. Mark, 4,845,981, Cl. 73-151.000.
  Perkins, Thomas K., 4,830,110, Cl. 166-278.000.
  Petermann, Steven G., 4,819,760, Cl. 181-102.000.
  Petermann, Steven G., 4,830,105, Cl. 166-241.000.
  Petermann, Steven G.; Cabiran, Michel L.; Cooper, John D.; and Lara, Pedro F., 4,835,876, Cl. 33-313.000.
  Petermann, Steven G.; and Schasteen, Thomas, 4,876,672, Cl. 367-35.000.
  Priebe, William F.; Milliken, Brad R.; and Braaten, Dennis A., 4,829,913, Cl. 110-346.000.
  Priebe, William F.; Milliken, Brad R.; and Braaten, Dennis A., 4,858,537, Cl. 110-243.000.
  Schasteen, Thomas; and Smith, Lonnie J., 4,883,120, Cl. 166-98.000.
  Scott, Bentley N.; and Yang, Y. Sam, 4,862,060, Cl. 324-58.50A.
  Siegfried, Robert W., 4,867,264, Cl. 181-105.000.
  Siegfried, Robert W., II, 4,803,667, Cl. 367-69.000.
  Siegfried, Robert W., II., 4,829,488, Cl. 367-69.000.
  Skinner, James L., 4,839,022, Cl. 208-13.000.
  Skinner, James L., 4,881,473, Cl. 110-244.000.
  Smirnoff, Richard M., 4,828,767, Cl. 261-71.000.
  Smith, Lonnie E.; and Schasteen, Thomas, 4,856,582, Cl. 166-98.000.
  Sofranko, John A.; Gastinger, Robert G.; and Jones, C. Andrew, 4,861,936, Cl. 585-500.000.
  Sofranko, John A., 4,879,427, Cl. 585-500.000.
  Spies, Brian R., 4,837,514, Cl. 324-336.000.
  Spies, Brian R., 4,839,593, Cl. 324-240.000.
  Spies, Brian R., 4,843,320, Cl. 324-240.000.
  Sutter, Leroy V., Jr.; and Mofley, Robert E., 4,859,075, Cl. 374-2.000.
  Taylor, James M.; and McComack, Richard, Jr., 4,830,300, Cl. 242-54.00R.
  Taylor, James M.; and Karner, Gary M., 4,875,398, Cl. 83-100.000.
  Urquhart, Richard G.; and Tawfik, Adel S., 4,812,080, Cl. 405-227.000.
  Wakefield, John J., Jr., 4,840,726, Cl. 208-152.000.
  Williamson, George C., 4,877,354, Cl. 405-157.000.
  Wilson, William N.; Miles, Leon H.; Boyd, Brett H.; and Carpenter, Robert B., 4,883,125, Cl. 166-291.000.
  Zupanick, Joseph E.; and McBride, Carl D., 4,865,424, Cl. 350-321.000.
Atlantic Vacuum Parts Corp.: *See—*
  Genoa, Joseph; Kaskel, Harold; and Nelson, Carl, 4,804,333, Cl. 439-191.000.
  Genoa, Joseph; Kaskel, Harold; and Nelson, Carl, 4,826,444, Cl. 439-191.000.
Atlas Air (Australia) Pty, Limited: *See—*
  Marton, Lewis, 4,841,122, Cl. 219-273.000.
Atlas Copco Aktiebolag: *See—*
  Barendsen, Pieter; and Arnegard, Bo O. R., 4,834,580, Cl. 405-138.000.
  Ekwall, Berndt, 4,871,035, Cl. 173-139.000.
  Hankvist, Bo A.; Kling, Peter N.; and Spongh, Rolf T., 4,881,688, Cl. 239-691.000.
  Hansson, Gunnar C., 4,834,192, Cl. 173-12.000.
  Hansson, Gunnar C., 4,842,078, Cl. 173-12.000.
  Hansson, Gunnar C., 4,881,435, Cl. 81-469.000.
  Pennink, Hans, deceased, 4,884,942, Cl. 415-104.000.
  Persson, Bengt-Goran; and Wennerbo, Orjan E. V., 4,845,947, Cl. 60-427.000.
  Schoeps, Knut C.; and Westerberg, Sven P. J., 4,854,916, Cl. 464-25.000.
  Schoeps, Knut C., 4,884,995, Cl. 464-25.000.
  Spongh, Rolf T., 4,884,745, Cl. 239-3.000.
  Svensson, Dick L.; and Soderman, Claes-Erik, 4,870,921, Cl. 118-676.000.

Atlas-Danmark A/S: *See—*
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Huber, James V.; and Tikhtman, Jacob, 4,825,078, Cl. 250-372.000.
Huber, James V.; Scott, Kurt P.; and Leber, Rudolph J., 4,843,893, Cl. 73-865.600.
Atlas Fahrzeugtechnik GmbH: *See—*
Bergmann, Horst; Daudel, Helmut; Brandner, Burkhard; and Klueppel, Klemens, 4,843,558, Cl. 364-431.030.
Kluppel, Klemens; and Stubs, Albert, 4,807,137, Cl. 364-431.040.
Stubs, Albert; and Kluppel, Klemens, 4,794,900, Cl. 123-416.000.
Atlas, George N.; Donnally, Leroy C.; Urban, Donald P.; Perkins, James M.; and Wilson, Timothy C. Vacuum assisted transfer mold and vent pin. 4,874,308, 10-17-89, Cl. 425-544.000.
Atlas, Les E.: *See—*
Marks, Robert J., II; Atlas, Les E.; and Oh, Seho, 4,849,940, Cl. 365-215.000.
Atlas Marine Technologies: *See—*
Tworoger, Peter C.; and Johnson, E. A., 4,797,055, Cl. 414-283.000.
Atlas Powder Company: *See—*
Mullay, John J.; and Sohara, Joseph A., 4,830,687, Cl. 149-2.000.
Mullay, John J., 4,872,929, Cl. 149-46.000.
Reiss, Peter F., 4,821,645, Cl. 102-275.700.
Zoghby, David R.; and Hines, Leon F., 4,817,673, Cl. 138-174.000.
Atlas, Sheldon M. Process for producing a shaped article, such as fiber composed of a hydrophobic polymer and a hydrophilic polymer. 4,814,131, 3-21-89, Cl. 264-147.000.
Atlas System, Inc.: *See—*
May, Donald R., 4,800,700, Cl. 52-742.000.
Atmel Corporation: *See—*
Chang, Chung-Chen; and Wu, Cheng C., 4,830,974, Cl. 437-034.000.
Huang, John Y.; and Chern, Geeng-Chuan, 4,833,096, Cl. 437-29.000.
Schumann, Steven J.; and Huang, John Y., 4,851,361, Cl. 437-030.000.
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Ato, Kazuhiko: *See—*
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Awaji, Toshio; Ueda, Kenichi; and Atobe, Daisuke, 4,837,280, Cl. 525-502.000.
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Bachelard, Roland; and Joubert, Philippe, 4,851,203, Cl. 423-290.000.
Basset, Dominique; Fayard, Jean-Claude; Hermant, Marc; Durual, Pierre; and Germanaud, Laurent, 4,832,859, Cl. 252-51.000.
Benedetti, Charles; Gluntz, Claude; Pascal, Robert; and Stefanini, Michel, 4,855,053, Cl. 210-634.000.
Benefice-Malouet, Sylvie; Blancou, Hubert; Calas, Patrick; and Commeyras, Auguste, 4,830,715, Cl. 204-59.00R.
Blaise, Jean; and Kappler, Patrick, 4,851,479, Cl. 525-276.000.
Bonnet, Evelyne; and Tilquin, Francois, 4,826,623, Cl. 252-308.000.
Bordere, Serge; Pagniez, Guy; and Potin, Philippe, 4,889,910, Cl. 528-168.000.
Boutillier, Jacques; and Nawrot, Serge, 4,806,582, Cl. 524-178.000.
Brulet, Daniel, 4,833,180, Cl. 523-322.000.
Brulet, Daniel, 4,868,258, Cl. 526-84.000.
Chambrette, Jean-Paul; de Jaeger, Roger; and Potin, Philippe, 4,810,480, Cl. 423-300.000.
Chatelain, Jean; and LeGrand, Yves, 4,868,255, Cl. 526-65.000.
Clerc-Renaud, Jacques; Leroux, Francis; and Ravier, Dominique, 4,798,662, Cl. 204-290.00R.
Cuzin, Daniel, 4,820,367, Cl. 156-283.000.
Cuzin, Daniel; and Judas, Didier, 4,839,441, Cl. 528-328.000.
Cuzin, Daniel; and Judas, Didier, 4,864,014, Cl. 528-279.000.
Devic, Michel; and Angelier, Robert, 4,812,206, Cl. 162-19.000.
Drivon, Gilles; and Gurtner, Bernard, 4,806,684, Cl. 562-605.000.
Dubreux, Bernard; and Chosson, Francoise, 4,810,408, Cl. 252-99.000.
Durand, Bernard; and Masini, Jean-Jacques, 4,808,761, Cl. 570-258.000.
Duranel, Laurent; and Sanchez, Nadine, 4,851,208, Cl. 423-490.000.
Grossoleil, Jacques; Kappler, Patrick; and Krantz, Nicolas, 4,835,236, Cl. 526-345.000.
Hilaire, Jean-Claude; and Guerin, Roland, 4,831,061, Cl. 521-56.000.
Jacquemin, Jean-Pierre; and Deleens, Gerard, 4,866,127, Cl. 525-90.000.
Kakimoto, Yukihiko; Sawada, Masayuki; Kajimoto, Yoshiaki; and Kiguchi, Isamu, deceased, 4,875,909, Cl. 55-40.000.
Labaig, Jean-Jacques; Fenie, Michel; and Glotin, Michel, 4,812,274, Cl. 264-80.000.
Moulies, Jean-Claude; and Reignier, Gerard, 4,871,506, Cl. 264-514.000.
Nury, Jacques; and Nawrot, Serge, 4,808,670, Cl. 525-370.000.
Pagniez, Guy; Passimourt, Nadine; and Potin, Philippe, 4,824,648, Cl. 423-300.000.
Passimourt, Nadine; and Potin, Philippe, 4,812,297, Cl. 423-300.000.
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Atoh, Kazuhiko: *See—*
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Atoji, Hitomi: *See—*
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Atom Mfg. Co., Inc.: *See—*
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Atomic Energy of Canada Limited: *See—*
Cecco, Valentino S.; and Carter, Jon R., 4,855,676, Cl. 324-220.000.
Metcalfe, Raymond; and Wensel, Ronald G., 4,848,162, Cl. 73-824.000.
van der Kuur, John, 4,848,161, Cl. 73-760.000.
Atomic Energy of Canada Limited-Energie Atomique Du Canada Limitee: *See—*
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Atomic Skifabrik Alois Rohrmoser: *See—*
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Scherubl, Franz, 4,875,702, Cl. 280-602.000.
Atomika Technische Physik GmbH: *See—*
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Atomori, Seiichi; Inagaki, Teruo; Furuyama, Tateki; and Kamiya, Akira, to Japan Synthetic Rubber Co., Ltd. Flame-retardant rubber-modified styrene resin composition. 4,839,410, 6-13-89, Cl. 524-281.000.
Atono, Tadasi: *See—*
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Plate, Gary; and Hattem, Nicolaas V., 4,863,544, Cl. 156-251.000.
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Atsugi Machinery Co., Ltd.: *See—*
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Aihara, Toshinori; and Sudo, Yukio, 4,859,154, Cl. 417-295.000.
Akasaka, Akio; Suga, Seiji; and Sawada, Takanori, 4,811,698, Cl. 123-90.170.
Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-78.00B.
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Atsumi, Senji: *See—*
Kajihara, Takehiro; Atsumi, Senji; and Izumiya, Hirotsugu, 4,800,320, Cl. 313-625.000.
Atsumi, Shigeru; Tanaka, Sumio; Saito, Shinji; and Otsuka, Nobauki, to Kabushiki Kaisha Toshiba. Nonvolatile semiconductor memory device. 4,879,689, 11-7-89, Cl. 365-201.000.
Atsumi, Shigeru: *See—*
Saito, Shinji; Atsumi, Shigeru; and Tanaka, Sumio, 4,860,260, Cl. 365-201.000.
Tanaka, Sumio; Sato, Masaki; Saito, Shinji; Atsumi, Shigeru; and Ohtsuka, Nobuaki, 4,825,271, Cl. 357-23.500.
Tanaka, Sumio; and Atsumi, Shigeru, 4,843,594, Cl. 365-185.000.
Tanaka, Sumio; Atsumi, Shigeru; and Saito, Shinji, 4,884,241, Cl. 365-210.000.
Atsumi, Takashi: *See—*
Tsukuda, Ichizo; Atsumi, Takashi; and Yokoyama, Masao, 4,866,479, Cl. 355-211.000.
Atsumi, Tomiaki: *See—*
Okabe, Yoshio; Kobayashi, Yukimori; Ishikawa, Makoto; Kamiya, Tamotsu; and Atsumi, Tomiaki, 4,798,563, Cl. 474-110.000.
Atsumi, Toshio: *See—*
Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
Atsuta, Akio: *See—*
Nishimoto, Yoshifumi; Okunuki, Masahiko; Kariya, Takao; Kawai, Yasuo; and Atsuta, Akio, 4,830,498, Cl. 356-400.000.
Atsuta, Toshikatsu; Hirotaka, Shiroshita; Shinzawa, Fumio; Matsuo, Eiki; and Koinuma, Toshiaki, to Kyocera Corporation. Zoom lens mount assembly. 4,834,514, 5-30-89, Cl. 350-429.000.
Atsuta, Toshikatsu: *See—*
Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.
Atsuumi, Shugo: *See—*
Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Morishima, Hajime; and Matsuyama, Kenji, 4,851,387, Cl. 514-17.000.
Attaar, Mustan: *See—*
Mott, Gerry; Attaar, Mustan; and Rishel, Rick D., 4,854,173, Cl. 73-600.000.
Attali, George; Birchak, James R.; and Lester, Robert A., to Western Atlas International, Inc. System for acoustically determining the quality of the cement bond in a cased borehole. 4,805,156, 2-14-89, Cl. 367-35.000.
Attali, George; and Murdoch, Bruce T., to Western Atlas International, Inc. Method for more accurately determining thermal neutron decay time constants. 4,814,610, 3-21-89, Cl. 250-269.000.
Attallah, Arnaldo. Method and a system for remotely switching an electrically operated device by the use of signals generated by a telephone. 4,845,773, 7-4-89, Cl. 379-102.000.
Attar, Amir J., to Perfect View, Inc. Gas dosimeter for colorimetrically indicating the presence of amides. 4,840,919, 6-20-89, Cl. 436-111.000.
Attar, Jose. Tree stand. 4,834,335, 5-30-89, Cl. 248-526.000.
Attard, John J.: *See—*
McDonald, Peter J.; Attard, John J.; and Taylor, David G., 4,833,411, Cl. 324-309.000.
Attard, Peter M.: *See—*
Negri, Robert H.; and Attard, Peter M., 4,820,754, Cl. 524-44.000.
Attaway, Julian J.: *See—*
Nicholas, John D.; Petree, Larry M.; and Attaway, Julian J., 4,815,247, Cl. 52-396.000.
Attenasio, Ann T., to Charles Stark Draper Laboratory, Inc., The. Apparatus for lifting a flexible sheet. 4,822,022, 4-18-89, Cl. 271-97.000.
Atterby, Fred; Voss-Schrader, Bertil; and Tenggvist, Lennart. Pallet consisting of two or several base members. 4,802,421, 2-7-89, Cl. 108-51.100.
Atterby, Fred; Voss-Schrader, Bertil; and Tengqvist, Lennart. Pallet comprising base members and crosswise members or tubes perpendicularly thereto. 4,831,938, 5-23-89, Cl. 108-51.300.
Atterby, Fred; Voss-Schrader, Bertil; and Tengqvist, Lennart. Base members for pallets. 4,834,001, 5-30-89, Cl. 108-51 300.
Attey, Graeme S. Sailboard boom end fitting and sailboard boom system. 4,825,793, 5-2-89, Cl. 114-98.000.
Attig, Thomas G.; and Graham, Anne M., to Standard Oil Company, The. Preparation of γ-butyrolactone and 1,4-butanediol by catalytic hydrogenation of maleic acid. 4,827,001, 5-2-89, Cl. 549-326.000.
Attig, Thomas G.: *See—*
Graham, Anne M.; and Attig, Thomas G., 4,851,546, Cl. 548-543.000.
Attilio, Mazzucchelli; Natalino, Masserini; and Silvano, Vivaldi, to Gruppo Industriale Ercole Marelli, S.p.A. Rotating electric machine with external rotor. 4,868,436, 9-19-89, Cl. 310-67.00R.
Attinello, John S.; and Rousseau, David G., to United States of America, Navy. Low-cost, expendable, crushable target aircraft. 4,865,328, 9-12-89, Cl. 273-362.000.
Attix, Douglas J.; Kelly, Michael J.; Mason, Fred L.; and Stinnett, Carlton E., to Babcock & Wilcox Company, The. Vertical close pack rod arraying system. 4,842,809, 6-27-89, Cl. 376-261.000.
Attwood Corporation: *See—*
Whitley, Warwick M., II, 4,825,905, Cl. 137-587.000.
Whitley, Warwick M., II, 4,877,152, Cl. 220-374.000.
Attwood, Michael R.; Hassall, Cedric H.; Lambert, Robert W.; Lawton, Geoffrey; and Redshaw, Sally, to Hoffmann-La Roche Inc. Anthypertensive pyridazo [1,2-a][1,2]diazepines. 4,808,713, 2-28-89, Cl. 540-487.000.
Attwood, Stanley W., to Motorola, Inc. QPSK/BPSK demodulator. 4,833,416, 5-23-89, Cl. 329-50.000.
Atul Products Limited, The: *See—*
Bhatt, Girish I.; Kulkarni, Subrao S.; Upasani, Chandrashekhar B.; and Bhatt, Mukundbhai; R., 4,816,034, Cl. 8-641.000.
Atun, Albert: *See—*
De Luca, Paul V.; Shatzkin, Michael; and Atun, Albert, 4,811,169, Cl. 361-429.000.
Atwal, Karnail, to E. R. Squibb & Sons, Inc. 4,5-dihydro-1H-benzazepine-3-carboxylic acid esters which are useful as anti-hypertensive agents. 4,824,831, 4-25-89, Cl. 514-213.000.
Atwal, Karnail, to E. R. Squibb & Sons, Inc. 3,6-dihydro-1,5(2H)-pyrimidinecarboxylic acid esters. 4,847,379, 7-11-89, Cl. 544-316.000.
Atwal, Karnail; and Rovnyak, George C., to E. R. Squibb & Sons, Inc. 1,2,3,4-Tetrahydro-6-substituted-4-aryl(or heterocyclo)-3-((substituted amino)carbonyl)-2-thioxo (or oxo)-5-pyrimidinecarboxylic acids and esters. 4,855,301, 8-8-89, Cl. 514-269.000.
Atwal, Karnail, to E. R. Squibb & Sons, Inc. 2-Oxo-1-sulfonyl pyrazolo(1,5-a) pyrimidine-6-carboxylic acid esters. 4,859,676, 8-22-89, Cl. 514-258.000.
Atwal, Karnail, to E. R. Squibb & Sons, Inc. 2-oxo-1-substituted pyrazolo[1,5-A]pyrimidine-6-carboxylic acid esters as blood pressure reducing agents. 4,870,072, 9-26-89, Cl. 514-212.000.
Atwal, Karnail, to E. R. Squibb & Sons, Inc. 3-oxo-1,2,4-triazolo(4,3-A) pyrimidine-6-carboxylic acid esters. 4,883,872, 11-28-89, Cl. 544-263.000.
Atwater, Robert M., to Gillette Company, The. Process and apparatus for providing cutting edges. 4,807,401, 2-28-89, Cl. 51-285.000.
Atwater, Terrill B.: *See—*
Jarvis, Louis P.; Brundage, Michael T.; and Atwater, Terrill B., 4,869,980, Cl. 429-202.000.
Atwater, W. David, to Royal Textile Mills, Inc. Knee protector pad. 4,796,303, 1-10-89, Cl. 2-24.000.
Atwell, Graham J.; Baguley, Bruce C.; Denny, William A.; and Rewcastle, Gordon W. Ortho-phenylenediamine compounds. 4,795,826, 1-3-89, Cl. 564-99.000.
Atwell, Robert N., to Burr-Brown Corporation. Programmable gain instrumentation amplifier. 4,833,422, 5-23-89, Cl. 330-254.000.
Atwell, Sharon L. Method of forming an adjustable tourniquet device. 4,870,978, 10-3-89, Cl. 128-898.000.
Atwell, William A.: *See—*
Kanafani, Hanny; Patrick, Bruce M.; and Atwell, William A., 4,847,100, Cl. 426-243.000.
Atwell, William H.; Burns, Gary T.; and Saha, Chandan K., to Dow Corning Corporation. Curable organopolysiloxanes filled with silicon carbide powders and highly densified sintered bodies therefrom. 4,888,376, 12-19-89, Cl. 524-401.000.
Atwood, Edwards S.: *See—*
Driscoll, John N.; and Atwood, Edwards S., 4,842,697, Cl. 204-1.00T.
Driscoll, John N.; and Atwood, Edwards S., 4,846,937, Cl. 204-1.00T.
Driscoll, John N.; and Atwood, Edwards S., 4,849,058, Cl. 204-1.00T.
Atwood, Gilbert R., to Union Carbide Corporation. Method for replacing PCB-containing coolants in electrical induction apparatus with substantially PCB-free dielectric coolants. 4,828,703, 5-9-89, Cl. 210-634.000.
Atwood Industries, Inc.: *See—*
Chambers, James W., 4,826,199, Cl. 280-434.000.
Atwood, Thomas M.: *See—*
Troutner, Arthur L.; and Atwood, Thomas M., 4,824,510, Cl. 156-288.000.
Au, Andrew: *See—*
Lunk, Hans E.; Reed, Donald A.; Deep, Marguerite E.; Hill, Charles; and Au, Andrew, 4,859,836, Cl. 219-548.000.
Au, Andrew N.; Deep, Marguerite E.; Fahey, Timothy E.; and Jacobs, Stephen M., to Raychem Corporation. Electrical devices comprising cross-linked conductive polymers. 4,857,880, 8-15-89, Cl. 338-22.00R.
Au, Andrew N., to Raychem Corporation. Method of making a conductive polymer sheet. 4,885,457, 12-5-89, Cl. 219-548.000.
Au, Andrew T., to Dow Chemical Company, The. Antibacterial cyanomethyl carboxylates. 4,797,418, 1-10-89, Cl. 514-521.000.
Au, Andrew T.; and Hussey, Hugh F., to Dow Chemical Company, The. Method of inhibiting corrosion using perhydro-s-triazine derivatives. 4,830,827, 5-16-89, Cl. 422-7.000.
Au, Jan C., to Human Performance Technologies, Inc. Motion analysis system employing various operating modes. 4,813,436, 3-21-89, Cl. 128-779.000.
Au, Whitlow W. L.; and Martin, Douglas W., to United States of America, Navy. Broadband sonar signal processor and target recognition system. 4,847,817, 7-11-89, Cl. 367-135.000.
Aubanel, Marie-Line; and Bailly, Jean C., to BP Chemicals Limited. Amorphous high molecular weight copolymers of ethylene and alpha-olefins. 4,797,461, 1-10-89, Cl. 526-348.600.
Aube, Jean-Yves: *See—*
Daudin, Philippe; Levy, Pierre-Emmanuel; Aube, Jean-Yves; Duplessis, Bernard; and Boivent, Marcel, 4,809,294, Cl. 373-41.000.
Aubel, John A., to Borg-Warner Automotive, Inc. Vapor vent valve apparatus. 4,819,607, 4-11-89, Cl. 123-519.000.
Aubel, John A.: *See—*
Jenkins, Patrick A.; and Aubel, John A., 4,813,453, Cl. 137-588.000.

- Aubert, Bruno, to Societe Generale pour les Techniques Nouvelles S.G.N. Process for the preparation of a borosilicate glass containing nuclear waste. 4,797,232, 1-10-89, Cl. 252-629.000.
- Aubert, Guy, to Thomson-CGR. Coreless solenoidal magnet. 4,808,956, 2-28-89, Cl. 335-299.000.
- Aubert, Guy, to Centre National de la Recherche Scientifique. Method of adjusting the homogeneity correctors of the magnetic field created by a magnet. 4,812,765, 3-14-89, Cl. 324-320.000.
- Aubert, Guy, to Thomson-CGR. Device for exploring the inner volume of a cylinder and an investigation system equipped with this device. 4,820,982, 4-11-89, Cl. 324-300.000.
- Aubert, Guy, to Centre National De La Recherche Scientifique. Method of manufacturing a bitter type coil and a solenoid magnet obtained thereby. 4,823,101, 4-18-89, Cl. 335-299.000.
- Aubert, Guy, to Thomson-CGR. Block for correcting magnetic-field homogeneity and a magnet fitted with blocks of this type. 4,835,504, 5-30-89, Cl. 335-296.000.
- Aubert, Guy, to Thomson-CGR. Method for making a gradient coil. 4,847,985, 7-18-89, Cl. 29-605.000.
- Aubert, Guy; and Kaplan, Daniel, to Thomson-CGR. Method of regulating the magnetic field delivered by a resistive magnet, a resistive magnet system using this method and an installation for forming images by nuclear magnetic resonance incorporating such a system. 4,862,085, 8-29-89, Cl. 324-315.000.
- Aubert, Guy, to Thomson-CGR. Method of measuring the intensity of a DC current and a device implementing this method. 4,876,503, 10-24-89, Cl. 324-117.00R.
- Aubert, James H.: *See—*
  - Arnold, Charles, Jr.; Aubert, James H.; Clough, Roger L.; Rand, Peter B.; and Sylwester, Alan P., 4,832,881, Cl. 264-29.700.
- Aubert, Richard W.: *See—*
  - Jones, Richard E.; and Aubert, Richard W., 4,831,509, Cl 364-167.010.
- Aubert, Robert; and Flaquet, Albert. Device for filtering water from an overflowing swimming pool, using an accumulating tank acting as a gravity filter. 4,867,874, 9-19-89, Cl. 210-169.000.
- Aubert, Veronique: *See—*
  - Magnin, Guy; Magnin nee Champeaud, Marie-Francoise; Aubert, Veronique; and Jaouen, Claude, 4,834,915, Cl. 252-628.000.
- Aubex Corporation: *See—*
  - Suzuki, Churyo; Ando, Kozo; and Enomoto, Tooru, 4,838,723, Cl. 401-199.000.
- Aubin, Jean Paul: *See—*
  - Day, Eric; Aubin, Jean Paul; and Peyrot, Jan, 4,879,985, Cl. 123-501.000.
- Aubin, Laurent M.: *See—*
  - Aubin, Ronald P.; and Aubin, Laurent M., 4,844,309, Cl. 224-273.000.
- Aubin, Ronald P.; and Aubin, Laurent M. A.T.V. carry all. 4,844,309, 7-4-89, Cl. 224-273.000.
- Aubonnet, Jean-Claude: *See—*
  - Bessey, Guy; and Aubonnet, Jean-Claude, 4,825,677, Cl. 72-270.000.
- Aubrey, David R.; and Jameson, Ian, to Electricity Council, The. Symmetrical fault current detector. 4,797,775, 1-10-89, Cl. 361-93.000.
- Aubrey, Kenneth R., to Cubic Western Data. Easy access ticket transport mechanism. 4,798,942, 1-17-89, Cl. 235-384.000.
- Aubrey, Leonard S.: *See—*
  - Brockmeyer, Jerry W., Aubrey, Leonard S.; and Dore, James E., 4,885,263, Cl. 501-81.000.
- Aubrey, Martin G. Upper body buoyant garment with implanted positive lumbar support structure. 4,820,221, 4-11-89, Cl. 441-106.000.
- Aubriot, Claude, to Virax. Pipe cutter with a guided blade for plastic pipes cylindrical or not. 4,845,849, 7-11-89, Cl. 30-92.000.
- Aubriot, Jacques: *See—*
  - Leclercq, Sylvain; Aubriot, Jacques; and Mercier, Vincent, 4,846,840, Cl. 623-23.000.
- Aubry, Jacques A.; and Mondet, Jean J., to Aerospatiale Societe Nationale Industrielle. Combined bearing device for a rotorcraft rotor and a rotor equipped with such a bearing device. 4,815,937, 3-28-89, Cl. 416-140.000.
- Aubry, Jacques A.; and Mauduit, Daniel A., to Aerospatiale Societe Nationale Industrielle. Shock absorbing jack, a stay comprising it and landing gear equipped with such a stay. 4,821,983, 4-18-89, Cl. 244-104.0FP.
- Aubry, Jacques A.; and Azeau, Jean J. E., to Aerospatiale Societe Nationale Industrielle. Torsible, flexible linking arm with integrated flexion damping, in particular for linking a rotor blade to its hub, and rotor and hub equipped with such arms. 4,822,245, 4-18-89, Cl. 416-134.00A.
- Aubry, Jean; Cassiani-Ingoni, Serge; and Hauschild, Remi, to Societe Chimique des Charbonnages S.A. Copolymers based on ethylenic monomers and methylolphenyl allyl ethers. 4,861,821, 8-29-89, Cl. 524-512.000.
- Aubry, Jean-Pierre; Fragneau, Marc; Craveur, Jean-Charles; Janiaud, Denis; and Muller, Serge, to Compagnie d'Electronique et de Piezo-Electricite C.E.P.E.; and Office National d'Etudes et de Recherches Aerospatiales. Suspension springs for a vibrating piezoelectric plate. 4,859,898, 8-22-89, Cl. 310-353.000.
- Aubry, Nestor; Couder, Armand; and Weverbergh, Andre, to Messer Griesheim GmbH. Process and device for cooling. 4,798,614, 1-17-89, Cl. 62-374.000.
- Aubut, Christian: *See—*
  - Frankel, Hugh; Sauve-Frankel, Ginette; and Aubut, Christian, 4,805,087, Cl. 364-474.220.
- Aucagne, Jean: *See—*
  - Auduc, Herve ; and Aucagne, Jean, 4,835,046, Cl. 428-288.000.
- Auchincloss, Peter E., to Hydroflo, Inc. Nitrate adsorption unit. 4,795,563, 1-3-89, Cl. 210-662.000.
- Auchincloss, Peter E., to Hydroflo, Inc. Water neutralizer. 4,814,074, 3-21-89, Cl. 210-143.000.
- Auchincloss, Thomas R. Biocidal, particularly virucidal, compositions. 4,822,512, 4-18-89, Cl. 252-106.000.
- Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., to Andronic Devices, Ltd. Patient limb positioning apparatus. 4,807,618, 2-28-89, Cl. 128-878.000.
- Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., to Andronic Devices, Ltd. Toroidal surgical shield. 4,817,592, 4-4-89, Cl. 128-855.000.
- Auchter, Thomas J.: *See—*
  - Krolopp, Robert K.; Auchter, Thomas J.; Pregont, Gary J.; and Dabbish, Ezzat A., 4,811,377, Cl. 379-62.000.
- Auchus, Ricahrd J.: *See—*
  - Covey, Douglas F.; and Auchus, Ricahrd J., 4,874,891, Cl. 560-256.000.
- Auclair, Normand M.; and Gladu, Andre J. Box for shaking dice. 4,805,908, 2-21-89, Cl. 273-145.00C.
- Auclair, Randolph L.: *See—*
  - Auclair, William T.; and Auclair, Randolph L., 4,834,682, Cl. 439-883.000.
- Auclair, William T.; and Auclair, Randolph L. Electrical connector for braided conductors. 4,834,682, 5-30-89, Cl. 439-883.000.
- Aucoin, Thomas: *See—*
  - Iafrate, Gerald J.; Poli, Louis C.; Aucoin, Thomas; and Heat Linda S., 4,821,093, Cl. 357-22.000.
- Au Coin, Thomas R.; Braddock, Walter D., IV; and Iafrate, Gerald J., to United States of America, Army. Method of making a multidimensional quantum-well array. 4,883,769, 11-28-89, Cl. 437-110.000.
- AuCoin, Thomas R.: *See—*
  - Dixon, Samuel, Jr.; AuCoin, Thomas R.; and Ross, Raymond L. 4,864,645, Cl. 455-327.000.
- Auda, Bernard, to International Business Machines Corporation. Method of forming a via-hole having a desired slope in a photoresist masked composite insulating layer. 4,814,041, 3-21-89, Cl. 156-643.000.
- Audeh, Costandi A.; and Jackson, Andrew, to Mobil Oil Corporation. Lubricant compositions containing oxidized sulfurized isobutylenes. 4,822,504, 4-18-89, Cl. 252-46.300.
- Audeh, Costandi A.; Bell, Weldon K.; Han, Scott; and Palermo, Robert E., to Mobil Oil Corporation. Processes for converting methane to higher molecular weight hydrocarbons via sulfur-containing intermediates. 4,822,938, 4-18-89, Cl. 585-324.000.
- Audeh, Costandi A., to Mobil Oil Corporation. Process for removing residual mercury from treated natural gas. 4,834,953, 5-30-89, Cl. 423-210.000.
- Audeh, Costandi A., to Mobil Oil Corporation. Use of polysulfide treated molecular sieves to remove mercury from liquefied hydrocarbons. 4,877,515, 10-31-89, Cl. 208-251.00R.
- Audeh, Costandi A., to Mobil Oil Corporation. Process for removing residual mercury from liquid hydrocarbons with aqueous polysulfide solutions. 4,880,527, 11-14-89, Cl. 208-251.00R.
- Audell, Robert A. Method for setting fractures. 4,800,873, 1-31-89, Cl. 128-92.00R.
- Audet, Carol, to Les Piscines et Abris Tempo, Inc. Shelter with reis able ballast members. 4,887,627, 12-19-89, Cl. 135-120.000.
- Audet, Marcel. Vehicle roof rack. 4,826,387, 5-2-89, Cl. 414-462.000
- Audet, Michel P. Portable saw table. 4,807,506, 2-28-89, Cl. 83-486.10
- Audette, Andre. Mechanical articulated joint for knee braces. 4,821,70 4-18-89, Cl. 128-80.00F.
- Audhya, Tapan; Kroon, Daniel J.; Heavner, George; and Goldstein Gideon, to Ortho Pharmaceutical Corporation. B cell differentiating peptides and conjugates thereof. 4,866,121, 9-12-89, Cl. 525-54.100
- Audi AG: *See—*
  - Bier, Axel, 4,804,139, Cl. 236-35.000.
  - Bierling, Rudolf; Ruf, Max; and Hannibal, Wilhelm, 4,870,990, Cl. 137-595.000.
  - Buchl, Josef, 4,885,658, Cl. 361-154.000.
  - Chemnitzer, Eberhard, 4,819,599, Cl. 123-425.000.
  - Chemnitzer, Eberhard, 4,854,286, Cl. 123-425.000.
  - Killian, Friedrich, 4,863,188, Cl. 280-675.000.
  - Piech, Ferdinand, 4,823,905, Cl. 180-274.000.
  - Ruf, Max; and Korostenski, Erwin, 4,838,217, Cl. 123-90.600.
  - Sterler, Georg; and Bader, Heinz, 4,853,623, Cl. 324-158.00R.
  - Ufer, Peter; Schaper, Siegfried; Haldenwanger, Hans-Gunther; and Paulus, Ingrid, 4,830,810, Cl. 264-40.100.
  - Vanetta, Aldo; Burkhart, Helmut; and Weinert, Herbert, 4,870,9 Cl. 123-336.000.
  - Vollmer, Elmar; Adam, Helmut; and Wilhelm, Werner, 4,7 Cl. 280-801.000.
  - Vollmer, Elmar, 4,884,652, Cl. 180-274.000.
  - Vollrath, Johannes; and Lechler, Rolf, 4,850,638, Cl. 296-187.00
- Audi, Josef: *See—*
  - Blank, Kurt; Halberschmidt, Friedrich; Reinmold, Heinz-Jos Audi, Josef; Kaesmacher, Jakob; Reinicke, Ralf; and Nieden Udo, 4,853,019, Cl. 65-106.000.
- Audia, Vicki H.: *See—*
  - Rzeszotarski, Waclaw J.; Audia, Vicki H.; and Weitzberg, Mos 4,843,074, Cl. 514-228.200.
- Audience Information Measurement System: *See—*
  - Gall, Richard C.; Weigt, Donald A.; and Paugh, Steven L 4,847,685, Cl. 358-84.000.

- Audier, Marc: *See—*
  - Dubost, Bruno; and Audier, Marc, 4,865,665, Cl. 148-404.000.
- Audier, Marcel-Francis, to U.S. Philips Corp. Charger transfer device (CTD), eliminating the background level of a detected signal, detection structure and method of using such a CTD. 4,866,496, 9-12-89, Cl. 357-24.000.
- Audimax, Inc.: *See—*
  - Levitt, Harry; Dugot, Richard S.; and Kopper, Kenneth W., 4,879,749, Cl. 381-68.400.
- Auding, Hans; Frank, Gunter; Kostlin, Heiner; and Vitt, Bruno, to U.S. Philips Corporation. Thin-film heating element. 4,889,974, 12-26-89, Cl. 219-543.000.
- Audio-Technica U.S., Inc.: *See—*
  - Reichel, Kenneth R., 4,888,807, Cl. 381-92.000.
- Audio Technology, Inc.: *See—*
  - Marusa, David M.; and Munroe, Bruce R., 4,862,159, Cl. 340-825.240.
- Audion Elektro B.V.: *See—*
  - Reichstahler, Liesel, 4,833,867, Cl. 53-567.000.
- Audionics, Inc.: *See—*
  - Staley, Wayne L., 4,805,731, Cl. 181-175.000.
- Audiosone, Inc.: *See—*
  - Berry, Robert W., III, 4,881,058, Cl. 340-326.000.
- Audoux, Christian; Rivas, Edouard; and Rossignol, Georges, to Societe Industrielle de Liaisons Electriques; and Societe Anonyme de Telecommunications. Method of molding a flexible tube of low thermal longitudinal coefficient of expansion. 4,871,499, 10-3-89, Cl. 264-173.000.
- Audrain, Eric: *See—*
  - Abiven, Jacques; and Audrain, Eric, 4,803,416, Cl. 320-44.000.
- Audren, Jean T.: *See—*
  - Favre, Helene; and Audren, Jean T., 4,794,793, Cl. 73-178.00H.
- Audry, Richard; Krempf, Gerard; and Perono, Jackie, to Atochem. Process for producing hydroxylated polybutadiene. 4,883,859, 11-28-89, Cl. 528-484.000.
- Auduc, Herve ; and Aucagne, Jean, to Brochier S.A. Fabric based on glass and carbon fibers and articles comprising such a fabric. 4,835,046, 5-30-89, Cl. 428-288.000.
- Audureau, Joel; Morese-Seguela, Brigitte; and Hervais, Vincent, to Societe Chimique des Charbonnages, societe anonyme. Process for cooling a tubular sleeve of thermoplastic material and a device for making use thereof. 4,818,467, 4-4-89, Cl. 264-564.000.
- Audureau, Joel; and Piecuch, Edouard, to Societe Chimique des Charbonnages S.A. Compositions of ethylene polymers, and method for the preparation thereof. 4,861,834, 8-29-89, Cl. 525-194.000.
- Audus, David: *See—*
  - Gabriel, David; Audus, David; and Strange, Norman, 4,840,490, Cl. 356-375.000.
- Auel, RaeAnn M.: *See—*
  - Schneider, Alan A.; Stewart, David A.; Jolson, Joseph D.; Auel, RaeAnn M.; and Price, John F., 4,797,180, Cl. 204-1.00T.
  - Schneider, Alan A.; Stewart, David A.; Jolson, Joseph D.; Auel, RaeAnn M.; and Price, John F., 4,859,305, Cl. 204-412.000.
- Auer, Heinz-Jochen: *See—*
  - Klesse, Wolfgang; Auer, Heinz-Jochen; and Quis, Peter, 4,847,309, Cl. 523-139.000.
- Auer, Henry E., to International Minerals & Chemical Corp. Method for removing sodium dodecyl sulfate from sodium dodecyl sulfate solubilized protein solutions. 4,801,691, 1-31-89, Cl. 530-399.000.
- Auer, Robert T., to Buddy L Corporation. Spin-out toy vehicle. 4,850,931, 7-25-89, Cl. 446-437.000.
- Auer, Robert T.; and Mayer, Richard J., to Buddy L Corporation. Drawing device having retractable stylus. 4,856,197, 8-15-89, Cl. 33-18.100.
- Auer, Robert T.; and Mayer, Richard J., to Buddy L Corporation. Toy shooting gallery assembly. 4,869,513, 9-26-89, Cl. 273-315.000.
- Auer, Robert T., to Buddy L. Corporation. Delayed action flashlight. 4,875,147, 10-17-89, Cl. 362-205.000.
- Auer, Robert T.; and Reina, David, to Buddy L Corporation. Plug-in module for motorized toy vehicle. 4,878,877, 11-7-89, Cl. 446-463.000.
- Auer, Robert T.; Keats, Richard L.; and Chung, Jore M., to Buddy L Corp. Blinking toy vehicle. 4,889,514, 12-26-89, Cl. 446-230.000.
- Auer, Robert T.; and Reina, David, to Buddy L Corporation. Four-wheel drive toy and truck assembly. 4,889,515, 12-26-89, Cl. 446-428.000.
- Auer, Robert T.; and Reina, David, to Buddy L Corp. Plug-in module for motorized toy vehicle. 4,889,516, 12-26-89, Cl 446-462.000.
- Auer, Robert T.: *See—*
  - Hoffman, Leo; Auer, Robert T.; Keats, Richard L.; Roeser, Stephan; and Stern, Lawrence, 4,848,577, Cl. 206-467.000.
- Auerbach, Andrew B.; and McKie, Derrick B., to Celanese Corporation. Glass fiber-reinforced oxymethylene polymer molding compositions having mechanical properties enhanced by amino-formaldehyde resin coupling agents. 4,801,626, 1-31-89, Cl. 523-208.000.
- Auerbach, Andrew B.; Paul, James L.; and Natarajan, K. M., to Hoechst Celanese Corporation. Polyacetal stabilizer formulation with improved color stability. 4,843,115, 6-27-89, Cl. 524-100.000.
- Auerbach, David R., to Pitney Bowes Inc. Envelope opening apparatus. 4,852,334, 8-1-89, Cl. 53-569.000.
- Auerbach, David R., to Pitney Bowes Inc. Envelope throat opening blade. 4,888,938, 12-26-89, Cl. 53-569.000.
- Auerbach, Dieter: *See—*
  - Bauch, Helmut; Kleber, Wolfgang; and Auerbach, Dieter, 4,798,338, Cl. 239-692.000.
- Auerbach, Gunther; and Moser, Helmut A., to Sandoz Ltd. Monoazo compounds having a 6-(5'-chloro-2',4'-difluoropyrimid-6'-ylamino)-1-hydroxy-3-sulfonaphthalene group and their use as dyes. 4,840,642, 6-20-89, Cl. 8-549.000.
- Auerbach, Paul S., to Vanderbilt University. Blood rewarming method and apparatus. 4,801,777, 1-31-89, Cl. 219-10.55M.
- Auerbach, Robert A.: *See—*
  - Bond, Karen M.; Weih, Mark A.; and Auerbach, Robert A., 4,795,778, Cl. 524-551.000.
  - Warren, Patrick A.; Auerbach, Robert A.; and Polaski, Eugene L., 4,835,226, Cl. 525-504.000.
- Auerbach, Seymour. Integrated lighting device. 4,809,142, 2-28-89, Cl. 362-147.000.
- Auerbach, Seymour. Three-dimensional puzzle. 4,874,176, 10-17-89, Cl. 273-157.00R.
- Auerbach, Victor, to RCA Licensing Corporation. Input device for a display system. 4,796,019, 1-3-89, Cl. 340-709.000.
- Auergesellschaft GmbH: *See—*
  - Dahrendorf, Klaus-Dieter; Huennebeck, Volker; and Hoffman, Wilfried, 4,840,170, Cl. 128-202.260.
  - Freidank, Michael; Coym, Jurgen; and Schubert, Axel, 4,873,970, Cl. 128-202.220.
  - Von Kopp, Guenter, 4,811,728, Cl. 128-201.250.
- Auernhammer, Erich; Schmiedel, Henrich; and Dorfler, Otto, to Siemens Aktiengesellschaft. Pressuring arrangement for the yoke lamination stack for an electric machine. 4,851,726, 7-25-89, Cl. 310-89.000.
- Auerswald, David C. System and method for demineralizing water. 4,820,421, 4-11-89, Cl. 210-670.000.
- Aufdembrink, Brent A., to Mobil Oil Company. Method for intercalating organic-swelled layered metal chalcogenide with a polymeric chalcogenide by plural treatments with polymeric chalcogenide precursor. 4,831,005, 5-16-89, Cl. 502-242.000.
- Aufdembrink, Brent A., to Mobil Oil Corporation. Method for intercalating organic-swelled layered metal chalcogenide with polymer chalcogenide by treatment with organic, hydrolyzable, polymeric chalcogenide precursor wherein organic hydrolysis by-products are removed. 4,831,006, 5-16-89, Cl. 502-242.000.
- Aufdembrink, Brent A.: *See—*
  - Landis, Michael E.; Aufdembrink, Brent A.; Chu, Pochen; Johnson, Ivy D.; Kirker, Garry W.; Page, Nancy M.; and Rubin, Mae K., 4,859,648, Cl. 502-242.000.
- Aufderhaar, Ernst: *See—*
  - Acklin, Georg; Aufderhaar, Ernst; Kaupp, Gunter; Raz, Bernhard; and Vogel, Ulrich, 4,847,374, Cl. 540-589.000.
- Auffray, Jean-Pierre: *See—*
  - Lagier, Daniel; and Auffray, Jean-Pierre, 4,850,881, Cl. 439-22.000.
- Aug. Winkhaus GmbH & Co. KG: *See—*
  - Abend, Klaus; Wienert, Dieter; and Filthaut, Johannes, 4,833,465, Cl. 340-825.310.
  - Greisner, Paul, 4,803,808, Cl. 49-394.000.
  - Kortenbrede, Ludger, 4,831,849, Cl. 70-49.000.
  - Kortenbrede, Ludger. 4,881,387, Cl. 70-39.000.
- Augat Inc.: *See—*
  - Ammon, J. Preston; and Kendal, Jerry, 4,881,904, Cl. 439-78.000.
  - Bertoglio, Guido; Boyle, Michael C.; Cooney, James S.; and Walkup, William B., 4,838,801, Cl. 439-83.000.
  - Corridori, Anthony J., 4,854,882, Cl. 439-83.000.
  - Damon, Neil F.; and Senor, Ronald E., 4,887,981, Cl. 439-885.000.
  - Ierardi, Joseph A.; and Alden, Wayne S., III, 4,803,424, Cl. 324-158.00F.
  - Mendenhall, David W.; Marian, Steve P.; Goff, Jay T.; Cotter, Neil J.; and Corbesero, Steve R., 4,881,901, Cl. 439-65.000.
  - Senor, Ronald; and Cummings, Michael T., 4,828,515, Cl. 439-862.000.
  - Strohschneider, Heinz F., deceased, 4,799,006, Cl. 324-158.00F.
  - Walkup, William B.; and D'Amico, Richard J., 4,850,891, Cl. 439-326.000.
- Augenblick, Kurt B.: *See—*
  - Engel, Steven J.; Augenblick, Kurt B.; Freed, Lesley M.; Coffey Charles T.; and Dryden, Paul C., 4,847,474, Cl. 235-464.000.
- Auger, David; and Breugelmans, Jacobus, to Seismograph Service (England) Limited. Automatic resetting of seismic water sound source. 4,885,727, 12-5-89, Cl. 367-146.000.
- Augeri, James A.; Young, Paul R.; Richard, David W.; and Johnson, David, to Raymond Engineering Inc. Magnetic disc memory unit. 4,870,703, 9-26-89, Cl. 360-98.070.
- Augerscope, Inc.: *See—*
  - Irwin, Lawrence F.; and Irwin, Frank, 4,870,992, Cl. 137-846.000.
- Augoyard, Jean-Pierre, to Gtm-Entrepose. Device for anchoring one end of at least one tensioned cable or bar, in particular for a prestressed concrete structure. 4,819,393, 4-11-89, Cl. 52-223.00L.
- Augspurger, Quent; and Bartlett, Charles H. Cycle training device. 4,817,939, 4-4-89, Cl. 272-73.000.
- Augst, Herbert, to Benz & Hilgers GmbH. Apparatus for feeding a packaging machine with cardboard cut pieces stored in stacks. 4,854,815, 8-8-89, Cl. 414-788.400.
- Augstein, Joachim; and Ahmed, Maqbool, to Fisons plc. Method for treating allergic conditions. 4,804,678, 2-14-89, Cl. 514-456.000.
- Augur, Thomas R. Combination single bottle cooler and liquid container. 4,811,858, 3-14-89, Cl. 215-13.100.
- August Bilstein GmbH & Co.: *See—*
  - Rauert, Max-Otto; Sporenberg, Heinrich; Doench, Jurgen; and May, Ewald, 4,830,152, Cl. 188-322.150.
- August, Henry, to Hughes Aircraft Company. Splitter plates for alleviation of missile hook drag. 4,809,929, 3-7-89, Cl. 244-3.280.

August, John L., Jr.: *See—*
Chande, Tushar S.; Jones, Marshall G.; Ortiz, Angel L., Jr.; and August, John L., Jr., 4,838,631, Cl. 350-6.600.
Jones, Marshall G.; Ortiz, Angel L., Jr.; Chande, Tushar S.; and August, John L., Jr., 4,840,450, Cl. 350-96.200.

August, Joseph R., to Musser's Potato Chips, Inc. Infrared and microwave energy treatment of food. 4,800,090, 1-24-89, Cl. 426-243.000.

August Lapple GmbH & Co., Firma: *See—*
Rauschdorf, Ludwig, 4,801,235, Cl. 414-225.000.

August, Melvin C.; Neumann, Eugene F.; Bowen, Stephen A.; and Williams, John T., to Cray Research, Inc. Cooling plate with interboard connector apertures for circuit board assemblies. 4,884,168, 11-28-89, Cl. 361-382.000.

August Sauter GmbH: *See—*
Backu, Konrad, 4,881,607, Cl. 177-256.000.
Hermann, Bernhard; Muerdter, Herbert; Ehresmann, Walter; and Kammerer, Manfred, 4,841,280, Cl. 340-706.000.
Murdter, Herbert; and Ast, Adolf, 4,799,559, Cl. 177-124.000.

Augusti, Ferdinando; Bonatto, Luigi; and Puglisi, Anna M., to Ing. C. Olivetti & C., S.p.A. Color image reacting apparatus having a nonuniformity correction ROM with sections corresponding to red, green, and blue color separation filters. 4,833,533, 5-23-89, Cl. 358-80.000.

Augustin, Eugene P. Microwave rotary junction with external rotary energy coupling. 4,841,261, 6-20-89, Cl. 333-21.00A.

Augustin, Karl-Heinz, to Hans-Georg Augustin. Method and apparatus for straightening a workpiece. 4,860,566, 8-29-89, Cl. 72-110.000.

Augustin, Thomas: *See—*
Scholl, Thomas; Perrey, Hermann; Augustin, Thomas; and Wegner, Christian, 4,870,151, Cl. 528-49.000.

Augustin, Ulrich, to Daimler-Benz Aktiengesellschaft. Helix-controlled direct fuel injection pump. 4,824,341, 4-25-89, Cl. 417-499.000.

Augustin, Ulrich: *See—*
Notz, Wolfgang; Schwarz, Volker; and Augustin, Ulrich, 4,840,060, Cl. 73-119.00A.

Augustine, Douglas J.: *See—*
Augustine, Scott D.; and Augustine, Douglas J., 4,819,619, Cl. 128-200.260.
Augustine, Scott D.; and Augustine, Douglas J., 4,840,172, Cl. 128-207.140.

Augustine, Francis J.: *See—*
Johnson, Charles B.; and Augustine, Francis J., 4,822,994, Cl. 250-213.0VT.

Augustine, Frank L.: *See—*
Gaalema, Steve D.; and Augustine, Frank L., 4,803,363, Cl. 250-338.400.

Augustine, Lee A. Multi-layered puzzle. 4,815,742, 3-28-89, Cl. 273-157.00A.

Augustine, Michael E.; and Orthoefer, Frank T., to A. E. Staley Manufacturing Company. Presweetened comestible composition. 4,859,477, 8-22-89, Cl. 426-103.000.

Augustine, Scott D.; and Augustine, Douglas J. Device for inserting a nasal tube. 4,819,619, 4-11-89, Cl. 128-200.260.

Augustine, Scott D. Tracheal intubation guide. 4,832,020, 5-23-89, Cl. 128-207.140.

Augustine, Scott D.; and Augustine, Douglas J. Device for positioning an endotracheal tube. 4,840,172, 6-20-89, Cl. 128-207.140.

Augustsson, Nils-Erik. Device for radiation field shielding in radiotherapy. 4,798,961, 1-17-89, Cl. 250-515.100.

Augustyniak, Stanley D. Anti-reverse siphoning water circulating system for aquariums. 4,861,465, 8-29-89, Cl. 210-109.000.

Auhorn, Werner: *See—*
Hirsch, Guenter; and Auhorn, Werner, 4,801,354, Cl. 162-168.100.

Auinger, Herbert, to Siemens Aktiengesellschaft. Circuit and winding arrangement for a multiphase electric rotating field machine. 4,890,049, 12-26-89, Cl. 318-771.000.

Aujourd'hui, Rene F. Coated edible article with holding member to prevent finger soiling. 4,889,729, 12-26-89, Cl. 426-94.000.

Aukland Group, Inc.: *See—*
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Aulds, James M.: *See—*
Becker, Roger J.; and Aulds, James M., 4,834,945, Cl. 422-68.000.

Aulehla, Felix; and Genssler, Hans-Peter, to Messerschmitt-Bolkow-Blohm GmbH. Apparatus for influencing a boundary layer on the surface of a body moving through a medium. 4,836,473, 6-6-89, Cl. 244-130.000.

Aulich, Hubert; Urbach, Hans-Peter; and Eisenrith, Karl-Heinz, to Siemens Aktiengesellschaft. Heterogeneous catalyst containing silicon dioxide. 4,803,188, 2-7-89, Cl. 502-232.000.

Aulick, Larry O.; and DeCoste Jr., Charles L., to Internal Business Machines Corporation. Method of making coinjection molded daisy-wheel printhead. 4,842,795, 6-27-89, Cl. 264-155.000.

Aull, Brian F.; and Goodhue, William D., to Massachusetts Institute of Technology. Spatial light modulator. 4,848,880, 7-18-89, Cl. 350-355.000.

Ault, Charles M.: *See—*
Fletcher, William E.; Ault, Charles M.; and Sawyer, Dennis O., 4,823,952, Cl. 206-328.000.

Ault, Neil N.; Butkus, Anthony K.; and Trostel, Louis J., to Norton Company. Furnance having dense refractory oxide liner. 4,823,359, 4-18-89, Cl. 373-137.000.

Ault, Russell L.; Legg, Wesley E.; and Mott, Richard A., to Owens-Corning Fiberglas Corporation. Assemblies for windows and doors. 4,856,243, 8-15-89, Cl. 52-304.000.

Auman, David. Water-saving flushing attachment. 4,817,216, 4-4-89, Cl. 4-325.000.

Aumueller, Alexander; Neumann, Peter; and Trauth, Hubert, to BASF Aktiengesellschaft. Glycoluril derivatives. 4,835,273, 5-30-89, Cl. 544-180.000.

Aumueller, Alexander; Neuman, Peter; and Trauth, Hubert. Novel polyalkylpiperidine derivatives having alkylene bridges, use thereof as stabilizers, and intermediates. 4,837,403, 6-6-89, Cl. 544-215.000.

Aumueller, Alexander: *See—*
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Aune, Jan A., to Elkem Technology a/s. Treating ash and dust from incineration plants by coprocessing with hazardous waste and/or metallic scrap. 4,831,943, 5-23-89, Cl. 110-346.000.

Aune, Jan E.; Arden, Terence J.; and Yap, Mary S., to MacMillan Bloedel Limited. Lumber optimizer. 4,879,752, 11-7-89, Cl. 382-1.000.

Aune, Ted M.; Germeraad, Paul B.; and Chan, Randolph W., to Raychem Corporation. Electrical devices comprising fabrics. 4,845,343, 7-4-89, Cl. 219-545.000.

Auneau, Gisele; and Boulanger, Alain, to Thomson-CSF. Oscillator frequency locking and prepositioning circuit. 4,881,048, 11-14-89, Cl. 331-14.000.

Aunspach Controls Co.: *See—*
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Aunspach, Dale, to Aunspach Controls Co. Valve/actuator torque overload protector. 4,860,992, 8-29-89, Cl. 251-81.000.

Auping B.V.: *See—*
Savenije, Franciscus G., 4,862,540, Cl. 5-475.000.
Savenije, Franciscus G., 4,873,737, Cl. 5-453.000.

Auracher, Franz; Berenbrock, Goetz; and Schlemmer, Bernd, to Siemens Aktiengesellschaft. Optical receiver with an optical coupier and an electronic amplifier. 4,829,598, 5-9-89, Cl. 455-619.000.

Auracher, Franz; and Noll, Bernd, to Siemens Aktiengesellschaft. Arrangement comprising at least one integrated optical waveguide on a substrate of electro-optical material and comprising at least one electrode. 4,871,223, 10-3-89, Cl. 350-96.140.

Auracher, Franz: *See—*
Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,799,234, Cl. 372-97.000.
Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,831,631, Cl. 372-92.000.
Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,873,697, Cl. 372-108.000.

Auran, Lars; Rod, Ivar O.; Tangen, Ole; and Gravem, Alf E., to Norsk Hydro a.s. Method and apparatus for producing metal powder. 4,810,284, 3-7-89, Cl. 75-0.50C.

Auras, Alain G., to Alcon Laboratories, Inc. Fiber optic connector. 4,824,202, 4-25-89, Cl. 350-96.180.

Auray, Didier: *See—*
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Aure, David A.: *See—*
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Aurelio, Pastore. Vibratory pump. 4,815,948, 3-28-89, Cl. 417-413.000.

Aurelle, Yves; Bernasconi, Christian; Besombes-Vailhe, Jean; Julien, Edmond; and Roques, Henri, to ELF France Society Anonyme. Method for treating a fuel comprising a mixture of hydrocarbons and alcohols, and a selective water-adsorption product. 4,889,537, 12-26-89, Cl. 44-53.000.

Aurik, Erik A.: *See—*
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Aurness, Harold O.; and Mahler, Thomas G. Three stage combination replacement lock. 4,872,326, 10-10-89, Cl. 70-133.000.

Aurora Design Associates, Inc.: *See—*
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Aurora Konrad G. Schulz GmbH & Co.: *See—*
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Schulz, Joachim; and Kern, Alfred, 4,864,919, Cl. 98-2.090.
Schulz, Joachim, 4,866,320, Cl. 310-89.000.

Aurouet, Claude; Blumenfeld, Henry; Bourdinaud, Michel; Calvet, Jean; Cavan, Jean-Claude; Meyer, Joao; and Thevenin, Jean-Claude. Process for utilizing light radiation with the aid of fluorescent optical fibres and functional devices and apparatus using said process. 4,812,013, 3-14-89, Cl. 350-96.290.

Ausiello, Francesco P.; Ricco, Mario; and De Matthaeis, Sisto Luigi, to Weber S.r.l. Fuel injection system with controlled injectors for diesel engines. 4,872,438, 10-10-89, Cl. 123-514.000.

Ausilio, John S., to Colt 7 Inc. Laser welding clamp. 4,847,467, 7-11-89, Cl. 219-121.630.

Ausimont: *See—*
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Ausimont S.r.l.: *See—*
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Ausimont S.p.A.: *See—*
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Caporiccio, Gerardo; Bargigia, Gianangelo; Tonelli, Claudio; and Tortelli, Vito, 4,833,274, Cl. 570-137.000.
Cavalli, Luigi; Cucchetto, Mario; Petrini, Guido; and Viola, Augusto, 4,829,042, Cl. 2-316.000.
Cavaterra, Enrico; and Bossi, Alessandro, 4,871,707, Cl. 502-225.000.
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Credali, Lino; Mulas, Carlo; Benetti, Ermanno; and Lunardon, Gianflavio, 4,880,847, Cl. 521-157.000.
Cuzzato, Paolo; Castellan, Arsenio; and Pasquale, Antonio, 4,814,113, Cl. 260-544.00F.
D'Agostino, Riccardo; Cramarossa, Francesco; Fracassi, Francesco; Illuzzi, Francesca; and Caporiccio, Gerardo, 4,869,922, Cl. 427-38.000.
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Guglielmo, Giorgio; Gregorio, Guglielmo; and Calini, Pierangelo, 4,801,741, Cl. 560-300.000.
Guglielmo, Giorgio; Conte, Lino; and Carlini, Filippo M., 4,827,024, Cl. 560-300.000.
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Moggi, Giovanni; Chiodini, Graziella; Cirillo, Gianna; and Geri, Sergio, 4,857,598, Cl. 525-194.000.
Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,847,232, Cl. 502-160.000.
Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,866,137, Cl. 525-330.300.
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Re, Alberto; and Alfieri, Mario, 4,833,227, Cl. 528-73.000.
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Ausimont, U.S.A., Inc.: *See—*
Kotliar, Abraham M.; Sacks, William; Sibilia, John P.; and Kumar, Rakesh, 4,886,689, Cl. 428-35.700.

Auslander, Klaus; Fabris, Hans-Jurgen; Patzwaldt, Wolfgang; and Seichter, Helmut, to Institut Dr. Friedrich Forster Prufgeratebau GmbH Co. KG. Phase shift compensation for metal detection apparatus. 4,881,036, 11-14-89, Cl. 324-329.000.

Ausmintec Corp. Limited: *See—*
Hill, Robert G. D., 4,838,941, Cl. 106-106.000.

Ausnit, Steven; and Bentsen, Per, to Minigrip, Inc. Plastic zipper bag with anchor-socket attachment arrangement. 4,807,300, 2-21-89, Cl. 383-65.000.

Ausnit, Steven; and Nocek, Robert S., to Minigrip, Inc. Apparatus for making bag material. 4,812,074, 3-14-89, Cl. 493-213.000.

Ausnit, Steven; and Bentsen, Per, to Minigrip, Inc. Tamper evident link bags. 4,832,505, 5-23-89, Cl. 383-5.000.

Ausnit, Steven, to Minigrip, Inc. Package with reclosable fin and method. 4,848,928, 7-18-89, Cl. 383-5.000.

Ausnit, Steven, to Minigrip, Inc. Device for opening a double link bag chain. 4,850,178, 7-25-89, Cl. 53-570.000.

Ausnit, Steven, to Minigrip, Inc. Method of and apparatus for packaging product masses in a form, fill and seal machine. 4,876,842, 10-31-89, Cl. 53-410.000.

Ausnit, Steven, to Minigrip, Inc. Double hinge zipper construction. 4,878,763, 11-7-89, Cl. 383-65.000.

Ausnit, Steven: *See—*
Lems, Peter; Ausnit, Steven; Nocek, Robert S.; and Scanlon, Thomas, 4,848,064, Cl. 53-459.000.
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Van Erden, Donald L.; and Ausnit, Steven, 4,840,611, Cl. 493-213.000.

Ausonia S.p.A.: *See—*
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Ausschnitt, Christopher P.; McFadden, Edward A.; and Tan, Raul V., to Shipley Company Inc. Lithographic process analysis and control system. 4,890,239, 12-26-89, Cl. 364-491.000.

Aussel, Christian C. J. L. Method of restoring refractory lining for repeated use using thermal shock and milling procedures. 4,871,211, 10-3-89, Cl. 299-10.000.

Aussenberg, Nash: *See—*
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Aussieker, David F.; Baker, Gerald N.; and Bushor, Ray F., to Emerson Electric Co. Method of manufacturing a rotor assembly. 4,843,705, 7-4-89, Cl. 29-598.000.

Aust, Aloys; Tiroux, Josef; and Weissenfels, Franz, to Dynamit Nobel Aktiengesellschaft; and Isobloc GmbH. Phenolic resin foams of high filler content and their use as insulation. 4,889,875, 12-26-89, Cl. 521-123.000.

Austad, Arne, to Multi Craft a.s. Arm device. 4,801,239, 1-31-89, Cl. 414-680.000.

Austad, Eric D. Wound dressing and method of forming same. 4,872,450, 10-10-89, Cl. 128-90.000.

AusTek, Inc.: *See—*
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Austen, Michael T.: *See—*
Wolford, Dale E.; Makowski, Frank D.; Campbell, Mark L.; and Austen, Michael T., 4,844,701, Cl. 417-234.000.

Austill, Robert J.; and Lambert, Joseph M., to Southern Pacific Transportation Co. Locomotive curve tracking system. 4,880,190, 11-14-89, Cl. 246-107.000.

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Middaugh, Frank R.; and Austill, Robert J., 4,834,608, Cl. 414-525.100.

Austin, Carl E.; and Rose, Robert E., to Halliburton Company. Method of forming a plurality of spaced substantially parallel fractures from a deviated well bore. 4,850,431, 7-25-89, Cl. 166-308.000.

Austin, David G.: *See—*
Allen, Thomas F.; and Austin, David G., 4,804,477, Cl. 210-737.000.

Austin, Edward B.; and Robertson, Jeffrey E., to International Business Machines Corporation. Method for compiling a master task definition data set for defining the logical data flow of a distributed processing network. 4,885,684, 12-5-89, Cl. 364-300.000.

Austin, Frank S.; and Hance, Albert B., to United States of America, Energy. Method and apparatus for reducing radiation exposure through the use of infrared data transmission. 4,864,652, 9-5-89, Cl. 455-617.000.

Austin, Fred L., to Hughes Aircraft Company. Three-dimensional display. 4,834,512, 5-30-89, Cl. 350-419.000.

Austin, Frederick D.; Barclay, John L.; and Hunter, James O., to British Petroleum Company p.l.c., The. Hydrocarbons pyrolysis. 4,840,723, 6-20-89, Cl. 208-106.000.

Austin, George K., Jr.; and Parlier, Mathew H., to A-Dec, Inc. Dental instrument delivery system. 4,883,316, 11-28-89, Cl. 297-191.000.

Austin, Henry T., to PPG Industries, Inc. Method of cationic electrodeposition using dissolution resistant anodes. 4,879,013, 11-7-89, Cl. 204-180.200.

Austin, James: *See—*
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Austin, James R.: *See—*
Cochran, Don W.; and Austin, James R., 4,882,498, Cl. 250-571.000.
Gram, Michael; and Austin, James R., 4,808,133, Cl. 441-6.000.

Austin, Jane E., to Du Pont de Nemours, E. I., and Company. Yarn consolidation by wrapping for hollow fiber membranes. 4,869,059, 9-26-89, Cl. 57-210.000.

Austin, John F.: *See—*
Coker, Thomas G.; Fragala, Anthony R.; LaConti, Anthony B.; and Austin, John F., 4,822,544, Cl. 264-104.000.

Austin, Kenneth, to Advanced Electronic Products Limited. Communications system. 4,827,513, 5-2-89, Cl. 380-36.000.

Austin, Kenneth, to Pilkington Micro-Electronics Limited. Semiconductor integrated bipolar switching circuit for controlling passage of signals. 4,829,202, 5-9-89, Cl. 307-465.000.

Austin, Kenneth, to Pilkington Micro-Electronics Limited. Gated transmission circuit (on-chip). 4,868,419, 9-19-89, Cl. 307-440.000.

Austin, Kirk, to Panamax, Inc. Surge suppressor for coax cable and AC power lines. 4,807,083, 2-21-89, Cl. 361-111.000.

Austin, Paul E.; Farris, David D.; Reedy, James D.; Blevins, Charles; and Ramdatt, Philbert E., to Union Carbide Corporation. Process for the preparation of organopolysiloxane surfactants. 4,857,583, 8-15-89, Cl. 524-761.000.

Austin, Paul E.: *See—*
Allcock, Harry R.; Austin, Paul E.; and Kwon, Sukky, 4,880,622, Cl. 424-78.000.
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Austin, R. Russel: *See—*
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Austin, Richard D. Cement pump with removable discharge chamber cartridge. 4,880,365, 11-14-89, Cl. 417-531.000.

Austin, Richard G.; Michaelson, Robert C.; and Myers, Richard S., to Exxon Research & Engineering Co. Process for preparing cyclic carbonate esters from olefins in a single reaction mixture. 4,824,969, 4-25-89, Cl. 549-230.000.

Austin, Richard L.; Otto, Herbert J.; and Jones, Frank L., to EG&G Gamma Scientific Incorporated. Method and apparatus for measuring spatial profiles of energy beams. 4,797,619, 1-10-89, Cl. 324-409.000.

Austin, Robert A.: *See—*
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Austin, Ronald, to Duo-Fast Corporation. Side load magazine for a fastener driving tool. 4,801,062, 1-31-89, Cl. 227-125.000.

Austin, Ronald, to Duo-Fast Corporation. Safety system for pneumatic tools. 4,834,131, 5-30-89, Cl. 137-115.000.

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- Austin, Steven A.: *See—*
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- Austin, Thomas F.; Donadio, Frank L., Jr.; Rudolph, David F.; and Shaw, Robert W., Jr., to Gill & Duffus Products, Inc. Apparatus and method for marking bulk loaded containers to indicate the presence of metallic contaminants. 4,887,475, 12-19-89, Cl. 73-866.000.
- Austin, William L., to Eye Research Institute of Retina Foundation. Continuous wave, frequency doubled solid state laser systems with stabilized output. 4,887,270, 12-12-89, Cl. 372-22.000.
- Austoft Inc. (U.S.A.): *See—*
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- Australia Nuclear Science & Technology Organisation: *See—*
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- Australian Atomic Energy Commission: *See—*
  - Ramm, Eric J., 4,806,279, Cl. 252-633.000.
- Australian Biomedical Corporation Limited: *See—*
  - Young, David A., 4,807,864, Cl. 269-328.000.
- Australian Building Industries Pty. Ltd.: *See—*
  - Cochrane, Ronald, 4,840,005, Cl. 52-667.000.
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  - Lewellin, Richard L., 4,869,433, Cl. 241-18.000.
- Australian Design Marketing PTY., Ltd.: *See—*
  - Jansen, Matthys B. J., 4,819,473, Cl. 72-382.000.
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  - Hughes, John L., 4,875,215, Cl. 372-6.000.
- Australian National University, The: *See—*
  - Boswell, Roderick W., 4,810,935, Cl. 315-111.410.
  - Eichner, Ronald D.; and Mullbacher, Arno, 4,886,796, Cl. 514-211.000.
  - Ramm, Eric J., 4,806,279, Cl. 252-633.000.
  - Ramm, Eric J.; and Ringwood, Albert E., 4,834,917, Cl. 252-633.000.
- Australian Nuclear Science & Technology Organization: *See—*
  - Ramm, Eric J.; and Ringwood, Albert E., 4,834,917, Cl. 252-633.000.
- Australian Wool Corporation: *See—*
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- Australux North America Limited: *See—*
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- Austrian, James A., to Brainwaves, Inc. Fishing lure reconditioning apparatus. 4,808,792, 2-28-89, Cl. 219-271.000.
- Austron, Inc.: *See—*
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- Austruy, Georges: *See—*
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- Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, to Rhone-Poulenc Sante. Composition for feeding ruminants containing a biologically active substance and its preparation. 4,832,967, 5-23-89, Cl. 426-96.000.
- Autant, Pierre; Cartillier, Andre; and Pigeon, Raymond, to Rhone-Poulenc Sante. Compositions for coating feeding stuff additives intended for ruminants and feeding stuff additives thus coated. 4,876,097, 10-24-89, Cl. 426-74.000.
- Autant, Pierre: *See—*
  - Ardaillon, Pierre; Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, 4,877,621, Cl. 424-498.000.
- Autek Systems Corporation: *See—*
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- Autelca AG: *See—*
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  - Siegenthaler, Fritz, 4,823,694, Cl. 101-227.000.
  - Trummer, Bernhard; and Luder, Stefan, 4,819,780, Cl. 194-317.000.
- Auten, Howard L. Bag holder with penetrating grippers. 4,834,260, 5-30-89, Cl. 220-404.000.
- Autenrieth, Randal E.: *See—*
  - Cunningham, William C.; Ramsey, Randy A.; and Autenrieth, Randal E., 4,816,503, Cl. 523-521.000.
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  - Ayers, Joe W.; and Autery, William D., 4,886,169, Cl. 206-591.000.
- Auth, David C., to E. R. Squibb and Sons, Inc. Side mount guidewire gripping device. 4,829,999, 5-16-89, Cl. 128-303.00R.
- Auth, Gerald L., to Midac Corporation. Economical spectrometer unit having simplified structure. 4,810,092, 3-7-89, Cl. 356-346.000.
- Auth, Rudolf; Seidelmann, Lothar; and Maas, Heinz, to Thyssen Stahl AG. Process and plant for producing binder-free hot briquettes. 4,872,906, 10-10-89, Cl. 75-5.000.
- Auth, Rudolf: *See—*
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- Autie, Pascal J. M.; Avignon, Philippe P.; Camusso, Dominique P.; Forestier, Alexandre; and Ulryck, Gilles, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M." . Acoustic panel for sound insulating linings of gas ducts. 4,858,721, 8-22-89, Cl. 181-213.000.
- Autieri, Richard J.: *See—*
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- Auto Robot Finland Ky: *See—*
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- Autoblok S.p.A.: *See—*
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- Autoliv GmbH: *See—*
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- Autologous Blood Corporation: *See—*
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- Automated Artists Corp.: *See—*
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- Automated Bacteria Counting Limited: *See—*
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- Automated Container Loading Limited: *See—*
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- Automated Decisions, Inc.: *See—*
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- Automated Diagnostic Systems, Inc.: *See—*
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- Automated Machinery Systems, Inc.: *See—*
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- Automated Marine Propulsions Systems, Inc.: *See—*
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- Automated Medical Products, Corporation: *See—*
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- Automated Pool Cleaners (Pty) Ltd.: *See—*
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- Automated Technology Systems, Inc.: *See—*
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- Automatic Inspection Systems: *See—*
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- Automatic Liquid Packaging, Inc.: *See—*
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- Automatic Tool Control and Management Systems, Inc.: *See—*
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  - Nagy, Gabor S.; Akeson, Richard C.; Sweenie, Richard E.; Nov Mark E.; Malsch, Harry K.; Widule, Thomas J.; Ding, Gus P.; and Jackson, Jared K., 4,882,930, Cl. 73-56.000.
- Automation Facilities Limited: *See—*
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  - Wales, R. Langdon; and Crowley, H. W., 4,796,782, Cl. 222-57
  - Wales, R. Langdon; and Crowley, H. W., 4,828,056, Cl. 177-145.000.
  - Wales, R. Langdon; and Crowley, H. W., 4,852,604, Cl. 137-392.000.
- Automation Sales, Inc.: *See—*
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- Automatisme et Robotique Appliques -A.R.A.: *See—*
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- Automatismes Energie Electronique Systemes: *See—*
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- Automatix Incorporated: *See—*
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  - Galtier Lucien; and Barthelemy, Andre , 4,869,519, Cl. 280-91.000.
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  - Landais, Jean, 4,859,818, Cl. 200-61.45R.
  - Le Fol, Marcel, 4,856,750, Cl. 248-562.000.
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  - Levitre, Gilles, 4,830,422, Cl. 296-65.100.
  - Penot, Jean, 4,830,400, Cl. 280-723.000.
  - Restout, Albert G. L., 4,815,901, Cl. 409-181.000.
  - Salver, Le; and Poupard, Dominique, 4,871,150, Cl. 267-140.100.
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  - Stil, Andre, 4,800,642, Cl. 29-436.000.
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  - Taillefert, Raymond; and Philibert, Jean-Claude, 4,810,452, Cl. 264-247.000.
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  - De Vaulx, Louis, 4,888,575, Cl. 340-426.000.
  - Duret, Pierre, 4,862,689, Cl. 60-274.000.
  - Galtier Lucien; and Barthelemy, Andre , 4,869,519, Cl. 280-91.000.
  - Gaulard, Michel, 4,880,048, Cl. 164-342.000.
  - Gillet, Guy, 4,861,182, Cl. 403-264.000.
  - Jouguelet, Denis, 4,884,622, Cl. 164-45.000.
  - Kerboul, Guy, 4,852,421, Cl. 74-476.000.
  - Landais, Jean, 4,859,818, Cl. 200-61.45R.
  - Le Fol, Marcel, 4,856,750, Cl. 248-562.000.
  - Le Salver, Robert; and Poupard, Dominique, 4,813,513, Cl. 180-291.000.
  - Levitre, Gilles, 4,830,422, Cl. 296-65.100.
  - Penot, Jean, 4,830,400, Cl. 280-723.000.
  - Restout, Albert G. L., 4,815,901, Cl. 409-181.000.
  - Salver, Le; and Pouperd, Dominique, 4,871,150, Cl. 267-140.100.
  - Schwab, Luc, 4,850,312, Cl. 123-41.740.
  - Stil, Andre, 4,800,642, Cl. 29-436.000.
  - Stil, Andre, 4,852,615, Cl. 138-30.000.
  - Taillefert, Raymond; and Philibert, Jean-Claude, 4,810,452, Cl. 264-247.000.
  - Tiphaine, Jean, 4,846,135, Cl. 123-520.000.
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  - Leigh-Monstevens, Keith V., 4,827,834, Cl. 92-108.000.
  - Leigh-Monstevens, Keith V.; Branum, Leslie P.; and Barker, David C., 4,831,916, Cl. 92-129.000.
  - Leigh-Monstevens, Keith V., 4,852,352, Cl. 60-585.000.
  - Leigh-Monstevens, Keith V.; and Branum, Leslie P., 4,856,282, Cl. 60-589.000.
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  - Leigh-Monstevens, Keith V., 4,866,937, Cl. 60-572.000.
  - Leigh-Monstevens, Keith V.; and Nix, Richard A., 4,878,041, Cl. 340-479.000.
  - Mabee, Brian D.; and Leigh-Monstevens, Keith V., 4,831,985, Cl. 123-399.000.
  - Mabee, Brian D.; and Leigh-Monstevens, Keith V., 4,883,037, Cl. 123-399.000.
  - Maycock, Ian C.; Ball, Robert J.; and Symonds, Denzil J. W., 4,858,741, Cl. 192-98.000.
  - Nix, Richard A.; and Regula, Paul M., 4,856,416, Cl. 92-169.100.
  - Wimbush, Maurice J., 4,810,041, Cl. 303-24.100.
  - Wimbush, Maurice J., 4,872,396, Cl. 92-169.100.
- Automotive Prototypes & Equipment: *See—*
  - Dillon, John A., 4,818,010, Cl. 296-37.700.
- Automotive Systems Laboratory, Inc.: *See—*
  - Behr, Leonard W., 4,827,091, Cl. 200-61.45M.
  - Musser, Kevin E.; and White, Craig W., 4,851,705, Cl. 307-10.100.
- Autopart Sweden AB: *See—*
  - Hagstrom, Robert, 4,854,629, Cl. 296-97.130.
  - Jonsson, Mats, 4,809,140, Cl. 362-74.000.
  - Svensson, E. Gunnar, 4,803,602, Cl. 362-135.000.
  - Svensson, E. Gunnar, 4,822,095, Cl. 296-97.100.
  - Svensson, E. Gunnar, 4,830,424, Cl. 296-97.100.
  - Svensson, E. Gunnar, 4,836,599, Cl. 296-97.500.
  - Svensson, E. Gunnar, 4,878,158, Cl. 362-140.000.
- Autorino, Joseph A.; and Crouch, Jeffrey P. Ball bat. 4,871,168, 10-3-89, Cl. 273-26.00B.
- Autorino, Joseph A.; and Crouch, Jeffrey P. Game ball. 4,871,169, 10-3-89, Cl. 273-26.00R.
- Autoroofs Limited: *See—*
  - Lievesley, John B., 4,815,194, Cl. 29-514.000.
- Autosense Corporation: *See—*
  - Elfman, Brian P.; and Zajac, Patricia L., 4,809,810, Cl. 180-272.000.
- Autoseq, Inc.: *See—*
  - Conroy, Thomas J.; and Granam, Martin H., 4,870,004, Cl. 435-6.000.
- Autosplice, Inc.: *See—*
  - Zahn, Irwin, 4,807,357, Cl. 29-845.000.
  - Zahn, Irwin, 4,832,622, Cl. 439-590.000.
  - Zahn, Irwin, 4,889,277, Cl. 228-180.200.
- Autostamp Institution Limited: *See—*
  - Ichikawa, Kiyomichi, 4,843,560, Cl. 364-464.020.
- Autostop AB: *See—*
  - Andersson, Lars; and Kamph, Bengt, 4,799,570, Cl. 180-275.000
- AutoStudio Corporation: *See—*
  - Larish, John J., 4,835,563, Cl. 354-412.000.
- Autotech Corporation: *See—*
  - Kumar, Shalabh; and Johnson, Keith R., 4,810,917, Cl. 310-68.00R.
  - Kumar, Shalabh; and Edgar, Duane, 4,835,676, Cl. 364-142.000.
- Autotrol Corporation: *See—*
  - Goudy, Paul R., Jr., 4,816,145, Cl. 210-96.100.
- Autotron Products, Inc.: *See—*
  - Ziegler, John H.; Oakley, Gerald R.; and Krause, Daniel F., Sr., 4,842,319, Cl. 296-91.000.
- Autotyp S.A.: *See—*
  - Ilon, Bengt E., 4,799,522, Cl. 152-213.00R.
- Autra-Bike Co., Inc.: *See—*
  - Chilcote, Keith C.; and Mahlowski, Robert J., 4,850,939, Cl. 474-49.000.
- Autrey, Bob, to Carbonic Systems of America, Inc. Chuck for concrete slab dowels. 4,880,245, 11-14-89, Cl. 279-1.00R.
- Autronic Plastics, Inc.: *See—*
  - Lax, Harold; and Lax, Michael, 4,865,208, Cl. 215-100.00A.
- Autry, Farrell; Vicini, William; and Harr, Roland, to Serve-All, Inc. Automatic removal of storage bin build-up. 4,815,653, 3-28-89, Cl. 299-18.000.
- Autry Industries, Inc.: *See—*
  - Yung-Mao, Lin, 4,843,741, Cl. 36-114.000.
  - Yung-Mao, Lin, 4,845,863, Cl. 36-114.000.
  - Yung-Mao, Lin, 4,881,328, Cl. 36-28.000.
- Autry, Larry W.: *See—*
  - Brugge, Stephen P.; Harper, Jon J.; and Autry, Larry W., 4,827,026, Cl. 562-416.000.
- Autry, Walter D., Jr.: *See—*
  - McCormick, Peter E.; and Autry, Walter D., Jr., 4,848,546, Cl. 192-56.00F.
  - McCormick, Peter E.; Culbertson, Timothy D.; and Autry, Walter D., Jr., 4,884,670, Cl. 192-56.00F.
- Auvert, Geoffroy; Georgel, Jean-Claude; and Guern, Yves, to Etat Francais represente par le Ministre des Postes et Telecommunications (Centre National d'Etudes des Telecommunications). Microbeam laser machine for acting on objects having thin layers of material. 4,825,034, 4-25-89, Cl. 219-121.720.
- Auvil, Steven R.: *See—*
  - Agrawa, Rakesh; Auvil, Steven R.; and Wilson, Keith B., 4,883,519, Cl. 62-39.000.
  - Agrawal, Rakesh; Auvil, Steven R.; and Choe, Jung S., 4,817,392, Cl. 62-18.000.
  - Agrawal, Rakesh; and Auvil, Steven R., 4,834,956, Cl. 423-262.000.
  - Agrawal, Rakesh; and Auvil, Steven R., 4,872,893, Cl. 62-11.000.
  - Agrawal, Rakesh; Auvil, Steven R.; and Deeba, Michel, 4,876,377, Cl. 558-416.000.
- Auvinen, Stuart T.; and Hoberman, Barry A., to Advanced Micro Devices, Inc. Fast flush for a first-in first-out memory. 4,802,122, 1-31-89, Cl. 365-154.000.
- Auxier, Robert W.: *See—*
  - Wilkinson, Ivan E.; and Auxier, Robert W., 4,839,475, Cl. 200-5.00R.
- Auxier, Thomas A.; Rannie, James B.; and Field, Robert E., to United Technologies Corporation. Hot gas duct liner. 4,887,663, 12-19-89, Cl. 165-47.000.
- Auxier, Thomas A.: *See—*
  - Hall, Kenneth B.; Auxier, Thomas A.; and Brown, Wesley D., 4,820,122, Cl. 416-97.00R.
  - Matheny, Alfred P.; and Auxier, Thomas A., 4,864,828, Cl. 60-757.000.
- Auyer, Richard A.; Buccellato, Robert J.; Petrick, Ernest N.; and Sridharan, Needangalam S., to General Dynamics Land Systems, Inc. Armor plate having triangular holes. 4,835,033, 5-30-89, Cl. 428-131.000.
- Au-Yeung, Henry Y. M., to Com DEV Ltd. R-switch with transformers. 4,806,887, 2-21-89, Cl. 333-106.000.
- AVA International Corporation: *See—*
  - Akkerman, Neil H.; and Dewey, Daniel O., 4,852,648, Cl. 166-66.400.
  - Mills, Aubrey C., 4,794,989, Cl. 166-387.000.

Avaeva, Svetlana M.: *See—*

Atabekov, Iosif G.; Avaeva, Svetlana M.; Baikov, Alexandr A.; Kulinich, Alexandr V.; Mizenina, Olga A.; Kasho, Vladimir N.; and Smirnova, Irina N., 4,808,522, Cl. 435-7.000.

Avakian, Roger W., to General Electric Company. Enhancing color stability to sterilizing radiation of polymer compositions. 4,880,854, 11-14-89, Cl. 523-136.000.

Avakian, Roger W., to General Electric Company. Enhancing color stability of sterilizing radiation of polymer compositions. 4,880,856, 11-14-89, Cl. 123-136.000.

Avakian, Roger W.: *See—*

Gallucci, Robert R.; van der Meer, Roelof; and Avakian, Roger W., 4,873,286, Cl. 525-92.000.

Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,874,783, Cl. 524-482.000.

Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,876,309, Cl. 524-109.000.

Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,850, Cl. 522-79.000.

Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,853, Cl. 523-136.000.

Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,855, Cl. 523-136.000.

Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,882,366, Cl. 523-136.000.

van der Meer, Roelof F.; and Avakian, Roger W., 4,857,575, Cl. 524-398.000.

Avalle, Nadia, to Intercos Italiana S.p.A. Ointment for concealing skin blemishes and scars. 4,853,222, 8-1-29, Cl. 424-195.100.

Avaneas, Napoleon G., to Grumman Aerospace Corporation. Bus interface unit. 4,827,477, 5-2-89, Cl. 371-37.000.

Avaneas, Napoleon G., to Grumman Aerosnace Corporation. High speed data-clock synchronization processor. 4,841,551, 6-20-89, Cl. 375-118.000.

Avant, Odis L.; and Crawford, Duane A., to Avant, Odis L. Method of effecting dorsal vein ligation. 4,848,367, 7-18-89, Cl. 128-898.000.

Avant, Odis L.; and Crawford, Duane A., to Avant, Odis L. Stapling method and apparatus for vesicle-urethral re-anastomosis following retropubic prostatectomy and other tubular anastomosis. 4,873,977, 10-17-89, Cl. 128-334.00R.

Avantek, Inc.: *See—*

Hua, Chang-Hwang; Day, Ding-Yuan S.; and Chan, Simon S., 4,808,273, Cl. 204-15.000.

Hua, Chang-Hwang; Day, Ding-Yuan S.; and Chan, Simon S., 4,842,699, Cl. 204-15.000.

Martin, Larry R., 4,851,787, Cl. 331-1.00A.

Swanson, Daniel G., Jr., 4,881,050, Cl. 333-185.000.

Avantgarde S.p.A.: *See—*

Cavazza, Paolo; and Fiorentini, Giulio, 4,871,773, Cl. 514-626.000.

Avar, Geza: *See—*

Richter, Roland; Muller, Hanns P.; Hombach, Rudolf; Dollhausen, Manfred; Avar, Geza; and Freitag, Hans-Albrecht, 4,824,595, Cl. 252-182.170.

Avar, Lajos, to Sandoz Ltd. Oxalamide compounds useful as UV absorbers. 4,859,725, 8-22-89, Cl. 524-91.000.

Avar, Lajos, to Sandoz Ltd. Oxalanilides useful as U.V. absorbers. 4,876,299, 10-24-89, Cl. 524-99.000.

Avard, Duane A.: *See—*

Adams, William V.; Avard, Duane A.; and Waling, Leroy A., 4,795,168, Cl. 277-80.000.

Avco Corporation: *See—*

Blanton, Albert G., 4,825,913, Cl. 51-336.000.

Bryanos, James C., 4,811,028, Cl. 343-786.000.

Cramer, Paul S., 4,838,030, Cl. 60-753.000.

Cramer, Paul S., 4,838,031, Cl. 60-753.000.

Cramer, Paul S., 4,848,089, Cl. 60-752.000.

Curry, Stephen J., 4,872,348, Cl. 73-653.000.

Decko, Gary W.; Peng, Yao; and Vogel, Herman, 4,802,823, Cl. 416-97.00A.

Dobson, Keith F.; and Steeves, Walter E., 4,805,351, Cl. 51-217.00R.

Haselkorn, Michael H., 4,868,056, Cl. 428-408.000.

Minkkinen, George; and Drenkard, Hans, 4,844,692, Cl. 415-208.100.

Naik, Subhash K., 4,885,216, Cl. 428-680.000.

Norris, Richard M.; Rumford, Kimball J.; and Youd, Douglass S., 4,831,819, Cl. 60-39.093.

Norris, Richard M.; Rumford, Kimball J.; and Youd, Douglass S., 4,852,343, Cl. 60-79.020.

Profant, Daniel D.; and Walters, Jeremy J., 4,834,693, Cl. 464-183.000.

Rutter, Stephen D., 4,835,962, Cl. 60-737.000.

Tate, David L., 4,884,944, Cl. 415-156.000.

Waddington, Clive, 4,808,013, Cl. 384-495.000.

Avco Lycoming/Subsidiary of Textron, Inc.: *See—*

Rosenthal, Dan G.; and Goebel, Joseph A., 4,816,347, Cl. 428-615.000.

Avco Lycoming/Textron: *See—*

Sweet, E. Jack, 4,832,999, Cl. 428-116.000.

Avco Research Laboratory, Inc.: *See—*

Jones, George S., 4,860,302, Cl. 372-70.000.

AVCOM of Virginia, Inc.: *See—*

Hatfield, R. Andrew, 4,812,772, Cl. 328-145.000.

Avdel Limited: *See—*

Frearson, William H., 4,804,023, Cl. 141-65.000.

Lacey, Ramond D., 4,865,499, Cl. 411-34.000.

Miles, Michael; and Tarling, Stephen R., 4,798,079, Cl. 72-391.00

Summerlin, Frederick A.; Frearson, William H.; and Hendry, James C., 4,815,310, Cl. 72-391.000.

Avdel Systems Limited: *See—*

Woodrow, Michael; and Lacey, Raymond D., 4,878,795, Cl 411-501.000.

Ave, Yoshiharu; Koseki, Junichi; Iwasaki, Hiroaki; Tomobe, Norio; and Suzuki, Kozo, to Honda Giken Kogyo Kabushiki Kaisha. Method of controlling the air/fuel ratio for an internal combustion engine mounted on a vehicle. 4,844,041, 7-4-89, Cl. 123-489.000.

Avecilla, Bonifacio N.: *See—*

Jacobs, Paul G.; Avecilla, Bonifacio N.; and Lapworth, Norman, 4,809,397, Cl. 15-320.000.

Avedon, Raymond B.: *See—*

Hammett, Roy; Hutcheson, Jerry D.; and Avedon, Raymond B., 4,872,595, Cl. 222-209.000.

Avelis, Julian P.: *See—*

McBrady, William J.; and Avelis, Julian P., 4,854,441, Cl 198-384.000.

Avelli, Philip; and Spector, George. Fire hydrant. 4,842,008, 6-27-8 Cl. 137-307.000.

Avelov, Rolf I., to Danfoss A/S. Thermostatic mixing valve. 4,863,0 9-5-89, Cl. 236-12.200.

Avendt, Raymond J.: *See—*

Dausman, Jerome; and Avendt, Raymond J., 4,872,998, Cl 210-710.000.

Avera, F. Lee. Moisturizing agent. 4,865,640, 9-12-89, Cl. 71-23.00

Avera, Fitzhugh L., to Kuehn, Jack W., Sr.; Kuehn, Jack W., Jr.; Kuehn, Richard P.; and Kuehn, Robert S., a part interest to each. Gravitationally-stabilized peanut-containing composition and process for making same. 4,832,977, 5-23-89, Cl. 426-633.000.

Averback, Paul. Microspheric bodies for use in screening therapies for Azheimer's disease and related conditions. 4,816,416, 3-28-89, Cl 436-166.000.

Averdick, Gunter; and Sandten, Herbert, to G. Siempelkamp GmbH & Co. Method of producing a press platen. 4,854,026, 8-8-89, Cl. 3 157.30R.

Averette, Julius P., to Dynatech Precision Sampling Corporation. Capillary fluid injectors. 4,815,325, 3-28-89, Cl. 73-864.210.

Averill, Robert G.; and Khowaylo, Alex, to Osteonics Corp. Prosthetic implant device. 4,798,610, 1-17-89, Cl. 623-22.000.

Averill, Robert G.; and Cohen, Robert C., to Osteonics Corp. Femoral prosthesis with uncoupled distal tip. 4,888,023, 12-19-89, Cl 623-22.000.

Averill, Stephan W.: *See—*

Ozelton, Malcolm W.; Bohlen, James W.; Scarich, Gregory V.; Scutt, James J.; and Averill, Stephan W., 4,808,248, Cl. 16 12.70A.

Averitt, Chester C.; and Byrne, Thomas R. Revolving refuse holder 4,856,669, 8-15-89, Cl. 220-1.00T.

Avery, Bennett W.; and Engel, William K., to Caterpillar Inc. Balanced free-planet drive mechanism. 4,873,894, 10-17-89, Cl. 74-785.00

Avery, Don E.; and Young, Bryan F. Low head, high volume pump apparatus. 4,822,261, 4-18-89, Cl. 417-540.000.

Avery, Gil. Variable air volume air distribution system. 4,836,0 6-6-89, Cl. 98-34.500.

Avery, Gil. Wet bulb sensor system. 4,887,466, 12-19-89, Cl. 73-338.0

Avery International Corporation: *See—*

Borgers, Leo; and Dhondt, Paul J., 4,795,456, Cl. 604-390.00

Cordia, Anne-Louise, 4,861,212, Cl. 412-36.000.

Cross, Patricia, 4,863,772, Cl. 428-40.000.

Freedman, Melvin S., 4,837,088, Cl. 156-243.000.

Freedman, Melvin S., 4,888,075, Cl. 156-243.000.

MacGregor, John; Welch, Frank J.; and Lin, Kenneth, 4,846,5 Cl. 283-102.000.

Mallya, Prakash; and Ozari, Yehuda, 4,810,763, Cl. 526-203.00

Mallya, Prakash; Smith, Colin; and Plamthottam, Sebastian S., 4,812,541, Cl. 526-264.000.

Rice, Cassandra S.; Sasaki, Yukihiko; and Plamthottam, Sebastian S., 4,820,746, Cl. 522-127.000.

Rutkowski, Wayne L., 4,807,805, Cl. 229-69.000.

Slobodkin, Yefim, 4,881,935, Cl. 493-355.000.

Slobodkin, Yefim, 4,881,936, Cl. 493-355.000.

Sorensen, Terry J.; and Wyss, Bill W., 4,889,234, Cl. 206-498.00

Avery, James M., to NCR Corporation. Binary autocorrelation processor. 4,860,357, 8-22-89, Cl. 381-41.000.

Avery, Linda S. Tummy hugger pillow combination. 4,794,657, 1-3-8 Cl. 5-431.000.

Avery, Michael L.: *See—*

Elliott, George M.; and Avery, Michael L., 4,795,517, C 156-221.000.

Avex Electronics Inc.: *See—*

Keel, Jerry L.; Hines, Thomas M.; Davis, Glen; and Parks, Willie E., 4,812,750, Cl. 324-158.00F.

AVIA Group International, Inc.: *See—*

Selbiger, Lawrence, 4,817,303, Cl. 36-50.000.

Aviation Instrument Manufacturing Corp.: *See—*

Gipson, Ronald G., 4,851,751, Cl. 318-599.000.

Aviation Supplies and Academics: *See—*

Cucchiari, Joseph, deceased; Lilje, James J.; and Mita, Makoto, 4,831,538, Cl. 364-443.000.

Avibank Mfg., Inc.: *See—*

Duran, John A.; and Basmadzhyan, Simon, 4,815,908, C 411-353.000.

Duran, John A., 4,822,227, Cl. 411-373.000.

Duran, John A., 4,828,442, Cl. 411-353.000.

Duran, John A., 4,854,795, Cl. 411-352.000.

Duran, John A.; Young, Robert; and Chang, Peter, 4,865,500, Cl. 411-103.000.

Avidan, Amos A.; and Chou, Tai-Sheng, to Mobil Oil Corporation. Integrated process for gasoline production. 4,822,477, 4-18-89, Cl. 208-70.000.

Avidan, Amos A.; Smith, Fritz A.; and Tabak, Samuel A., to Mobil Oil Corporation. Fluidized bed process for upgrading diene-containing light olefins. 4,855,521, 8-8-89, Cl. 585-415.000.

Avidan, Amos A.; and Johnson, David L., to Mobil Oil Corp. Single zone oligomerization of lower olefins to distillate under low severity in a fluid bed with tailored activity. 4,873,385, 10-10-89, Cl. 585-415.000.

Avidan, Amos A.; and Johnson, David L., to Mobil Oil Corp. Conversion of light olefins to gasoline using low-temperature catalyst regeneration. 4,873,389, 10-10-89, Cl. 585-533.000.

Avignon, Philippe P.: *See—*

Autie, Pascal J. M.; Avignon, Philippe P.; Camusso, Dominique P.; Forestier, Alexandre; and Ulryck, Gilles, 4,858,721, Cl. 181-213.000.

Avila, Harold C. Image position control. 4,799,049, 1-17-89, Cl. 340-709.000.

Aviles, Robert C.: *See—*

Racicot, Dale F.; Ten Broeck, Dirk P.; and Aviles, Robert C., 4,829,318, Cl. 346-1.100.

Ten Broeck, Dirk P.; and Aviles, Robert C., 4,849,772, Cl. 346-139.00R.

Avions Marcel Dassault-Breguet Aviation: *See—*

Philippe, Perrier; and Didier, Lapeyre, 4,820,299, Cl. 623-2.000.

Reynaud, Jean M., 4,878,054, Cl. 340-975.000.

Avis, Graham M.; Fletcher, Thomas E.; and Saffee, Gregory T., to International Mobile Machines Corporation. Initialization of communication channel between a subscriber station and a base station in a subscriber communication system. 4,811,420, 3-7-89, Cl. 455-51.000.

Avis, Graham M.: *See—*

Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J. K.; Johnson, Karle J.; Smetana, Bruce A.; and Westling, Gregory L., 4,825,448, Cl. 375-8.000.

Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J.; Johnson, Karle J.; Smetana, Bruce A.; Westling, Gregory L.; Paneth, Eric; and Yehushua, Moshe, 4,881,240, Cl. 375-15.000.

Paneth, Eric; Handzel, Mark J.; Morley, Steven A.; and Avis, Graham M., 4,817,089, Cl. 370-95.000.

Avis, Richard J. A., to Sony Corporation. Clock signal multiplexers. 4,820,992, 4-11-89, Cl. 328-137.000.

Avis, Richard J. A.; Richards, John W.; and Gillard, Clive H., to Sony Corp. Motion vector processing in digital television images. 4,864,398, 9-5-89, Cl. 358-140.000.

Avis, Richard J. A.: *See—*

Wilkinson, James H.; and Avis, Richard J. A., 4,803,567, Cl. 360-33.100.

Avita Health and Fitness Products Inc.: *See—*

Johnson, Jeffrey B., 4,867,447, Cl. 272-72.000.

Avitable, Gerald. Sectionalized adjustable pickup truck box cover. 4,813,735, 3-21-89, Cl. 296-100.000.

Aviv, Dvora: *See—*

Gressel, Jonathan; Aviv, Dvora; and Perl, Avihai. 4,795,705, Cl. 435-172.200.

Aviv, Gershon: *See—*

Perry, Mordechai; Kotraro, Reuven; Linder, Charles; and Aviv, Gershon, 4,889,636, Cl. 210-651.000

Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Elisha; and Zeevi, Menachem, to Bio-Technology General Corp. Method for recovering a purified animal growth hormone or polypeptide analog thereof from a bacterial cell. 4,831,120, 5-16-89, Cl. 530-399.000.

Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Pinhas E.; and Zeevi, Menachem, to Bio-Technology General Corp. Analogs of hGH having antagonistic activity, and uses thereof. 4,871,835, 10-3-89, Cl. 530-399.000.

Avizonis, Petras V.: *See—*

Fender, Janet S.; and Avizonis, Petras V., 4,856,884, Cl. 350-557.000.

AVK Filtertechnik GmbH: *See—*

Esch, Hans W., 4,874,517, Cl. 210-493.500.

AVL AG: *See—*

Wolfbeis, Otto S., 4,857,472, Cl. 436-122.000.

AVL Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik mbH: *See—*

Wunsche, Peter, 4,876,998, Cl. 123-198.00E.

AVL Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik m.b.H. Prof.Dr.Dr.h.c. Hans List: *See—*

Engel, Gunter; Krempl, Peter W.; List, Helmut; Posch, Uwe; and Nitsch, Alfred, 4,881,003, Cl. 310-311.000.

Harms, Klaus-Christoph; and Ruckenbauer, Friedrich, 4,816,743, Cl. 324-56.000.

Lackner, Gerald; and Denk, Heimo, 4,809,540, Cl. 73-117.200.

List, Hans, 4,846,114, Cl. 123-26.000.

Melde-Tuczai, Helmut; Aigner, Johann; and Skatsche, Othmar, 4,836,162, Cl. 123-321.000.

Prevedel, Kurt; Wunsche, Peter; and Oberth, Hans, 4,813,387, Cl. 123-73.00B.

AVM-Auto Equipamentos LtDA: *See—*

Lobo, Roberto J. H.; and Rysevas, Mauricio, 4,817,752, Cl. 180-247.000.

AVM Hess, Inc.: *See—*

Andrews, Jay E. S., 4,837,839, Cl. 381-199.000.

Avner, Barry: *See—*

Coons, Teresa; and Avner, Barry, 4,806,476, Cl. 435-172.200.

Avner, Inc.: *See—*

Guez, Moshe, 4,827,291, Cl. 354-125.000.

Avnet, Inc.: *See—*

Burton, Larry W., 4,803,412, Cl. 318-567.000.

Avnir, David: *See—*

Ladkani, David; Yellin, Haim; Weiner, Ben Z.; and Avnir, David, 4,851,426, Cl. 514-420.000.

Avny, Eli, to Sundstrand Corporation. Bidirectional drive with a unidirectional irreversibility mechanism. 4,842,109, 6-27-89, Cl. 192-8.00R.

Avon Industrial Polymers Limited: *See—*

Angell, Cyril N. E., 4,881,538, Cl. 128-201.150.

Avon Products, Inc.: *See—*

Dulak, Michael P.; and Zecchino, Julius R., 4,888,363, Cl. 514-725.000.

Israel, Gary; Steenod, Wayne; and O'Mara, Richard C., 4,884,680, Cl. 206-44.110.

Israel, Gary; Nadzan III, Andrew; and Deierlein, William, 4,887,409, Cl. 53-436.000.

Wilmott, James M.; and Znaiden, Alexander P., 4,826,828, Cl. 514-63.000.

Avon Rubber plc: *See—*

Turner, Donald M., 4,814,035, Cl. 156-235.000.

Turner, Donald M., 4,886,324, Cl. 305-42.000.

Avondoglio, Leo, to Aercology Incorporated. Radial impingement separator. 4,877,431, 10-31-89, Cl. 55-321.000.

Avram, Elena: *See—*

Revici, Emanuel, 4,851,398, Cl. 514-64.000.

Revici, Emanuel, 4,851,437, Cl. 514-529.000.

Avramidis, Anestis S. Vortex pump. 4,832,577, 5-23-89, Cl. 417-172.000.

Avritt, Michael D.; Hegerhorst, Brent K.; and Peterson, Peter K., to International Business Machines Corporation. Method and apparatus for printing near page boundaries. 4,843,429, 6-27-89, Cl. 355-274.000.

AVT Anlagen-und Verfahrenstechnik GmbH: *See—*

Krambrock, Wolfgang, 4,818,117, Cl. 366-341.000.

Krambrock, Wolfgang, 4,836,250, Cl. 137-625.470.

Avtar Sciences, Inc.: *See—*

True, Karen J.; Griffin, G. Barbara; Griffin, Daniel V.; and Nickels, William M., 4,824,247, Cl. 356-244.000.

Avtech Corporation: *See—*

Jorgensen, Jeffrey A., 4,870,327, Cl. 315-307.000.

Avtjoglou, Agis. Display of information at service stations. 4,816,650, 3-28-89, Cl. 235-94.00R.

AVX Corporation: *See—*

Galvagni, John; and Miller, Robert A., 4,830,723, Cl. 204-192.170.

Galvagni, John; Oberschmidt, James M.; and Humenik, James N., 4,862,318, Cl. 361-321.000.

McLaughlin, William; Lee, Doug; and Garcia, Ricardo, 4,881,308, Cl. 29-25.420.

Awa Engineering Co., Ltd.: *See—*

Kubo, Toyohide, 4,803,776, Cl. 29-806.000.

Kubo, Toyohide, 4,828,194, Cl. 242-56.00R.

Awa, Shunichiro: *See—*

Kawachi, Junji; Awa, Shunichiro, and Ohtani, Keizo, 4,841,776, Cl. 73-706.000.

Awa, Yasuhiko: *See—*

Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.

AWAB, S.A.: *See—*

Matter, Claude; Paquit, Philippe; Jeanguenin, Pierre; Liebert, Jean-Pierre; and Vanmeenen, Fredy, 4,813,718, Cl. 285-373.000.

Awad, Sami B., to Henkel Corporation. Lubricant and surface conditioner for formed metal surfaces. 4,859,351, 8-22-89, Cl. 252-32.500.

Awai, George K., to Fiberstars, Inc. Cooled lighting apparatus and method. 4,825,341, 4-25-89, Cl. 362-32.000.

Awai, Ikuo: *See—*

Konishi, Yoshihiro; Konno, Kenichi; and Awai, Ikuo, 4,837,535, Cl. 333-210.000.

Awaji, Hiroshi: *See—*

Uekita, Masakazu; and Awaji, Hiroshi, 4,822,853, Cl. 528-125.000.

Uekita, Masakazu; and Awaji, Hiroshi, 4,839,219, Cl. 428-220.000.

Uekita, Masakazu; and Awaji, Hiroshi, 4,868,281, Cl. 528-353.000.

Awaji Sangyo K. K.: *See—*

Mio, Mitsushi; and Negita, Hisao, 4,857,384, Cl. 428-164.000.

Awaji, Toshio; Ueda, Kenichi; and Atobe, Daisuke, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Curable resin composition with a thiuram and a copper compound as storage stabilizer. 4,837,280, 6-6-89, Cl. 525-502.000.

Awaji, Toshio: *See—*

Takano, Hidekazu; Kunitomi, Tetsuo; Okada, Shigehiro; Awaji, Toshio; Shindo, Katsuaki; and Atobe, Daisuke, 4,866,134, Cl. 525-109.000.

Awajitani, Takahisa: *See—*

Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; Ichiba, Masao; Tachihara, Fumituga; and Awajitani, Takahisa, 4,826,744, Cl. 429-206.000.

Awakowicz, Erwin; and Grassl, Erwin, to Siemens Aktiengesellschaft. Cover for telecommunications equipment. 4,810,066, 3-7-89, Cl. 350-356.000.

Awakowicz, Erwin; and Kleine, Peter, to Siemens Aktiengesellschaft. Telephone device with means for changing the angle of inclination. 4,819,266, 4-4-89, Cl. 379-454.000.

Awakowicz, Erwin; Schiller, Kurt; and Grassl, Erwin, to Siemens Aktiengesellschaft. Telephone station comprising an optical display device. 4,839,921, 6-13-89, Cl. 379-428.000.

Awakowicz, Erwin; and Schiller, Kurt, to Siemens Aktiengesellschaft. Electro-acoustic transducer arranged within the handset of a telephone instrument. 4,845,760, 7-4-89, Cl. 381-188.000.

Awamoto, Shigeru: *See—*
  Bannai, Tatsushi; Awamoto, Shigeru; Chiba, Mitsuo; and Sasaki, Seishi, 4,887,169, Cl. 358-335.000.
  Sasaki, Seishi; Chiba, Mitsuo; Bannai, Tatsushi; and Awamoto, Shigeru, 4,807,056, Cl. 360-27.000.
  Sasaki, Seishi; Awamoto, Shigeru; Bannai, Tatsushi; Yokoyama, Katsuya; and Shibaya, Hiromichi, 4,839,744, Cl. 358-320.000.

Awane, Katunobu; Koba, Masayoshi; Miyajima, Toshiaki; and Maekawa, Masashi, to Agency of Industrial Science and Technology. Method of manufacturing monocrystalline thin-film. 4,801,351, 1-31-89, Cl. 156-603.000.

Awane, Misao; Hara, Seiji; and Kobayashi, Satoshi, to Sanyo Electric Co., Ltd. Vending machine with management mode selection indicators. 4,834,231, 5-30-89, Cl. 194-217.000.

Awano, Tetsuyuki: *See—*
  Muroi, Kunimasa; Inagaki, Yoshinari; and Awano, Tetsuyuki, 4,858,928, Cl. 273-73.00D.

Awano, Yoji; Shimizu, Yoshihiro; and Takabatake, Junichi, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Method for producing aluminum alloy castings and the resulting product. 4,808,374, 2-28-89, Cl. 420-537.000.

Awareness Marketing Corporation, The: *See—*
  Allen, D. Mason, 4,853,986, Cl. 4-508.000.

Awata, Masashi: *See—*
  Yaginuma, Satoshi; Awata, Masashi; Takada, Masaki; and Kinoshita, Kenji, 4,801,697, Cl. 536-4.100.

Awau, Kunio: *See—*
  Takatani, Setsuo; Awau, Kunio; and Kanda, Masahiko, 4,867,557, Cl. 356-41.000.

Awax S.r.L.: *See—*
  Cappi, Angelo, 4,877,478, Cl. 156-555.000.

Awaya, Akira: *See—*
  Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.
  Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,845,228, Cl. 546-339.000.

Awaya, Juichi: *See—*
  Sawai, Kiichi; Kurono, Masayasu; Awaya, Juichi; Kojima, Akio; and Ninomiya, Hideaki, 4,889,715, Cl. 424-80.000.

Awaya, Tomoharu; and Fukushi, Isao, to Fujitsu Limited. Bipolar-transistor type semiconductor memory device having redundancy configuration. 4,796,233, 1-3-89, Cl. 365-200.000.

Awazu, Koichi, to Kabushiki Kaisha Toshiba. Display controller with a variable scrolling speed, and method for operating same. 4,841,454, 6-20-89, Cl. 364-521.000.

Awazu, Kunio: *See—*
  Ohkawa, Shinichi; and Awazu, Kunio, 4,826,281, Cl. 350-96.260.
  Tsuno, Koichi; Nishikawa, Mitsuru; and Awazu, Kunio, 4,807,597, Cl. 128-6.000.

Awazu, Tomohiko: *See—*
  Higuchi, Masahiro; Fukuda, Haruki; Tazaki, Kenshi; Matsuda, Masahiro; and Awazu, Tomohiko, 4,809,267, Cl. 370-86.000.

Awerbuch, Leon: *See—*
  Abrams, Jack Z.; Benz, August D.; Awerbuch, Leon; Zaczek, Stanley J.; and Haidinger, John, 4,804,523, Cl. 423-242.000.

Axel, Hartmut: *See—*
  Mueller, Herbert; Axel, Hartmut; and Wittwer, Arnold, 4,827,035, Cl. 564-402.000.

Axel Johnson Metals, Inc.: *See—*
  Aguirre, Carlos E.; and Harker, Howard R., 4,823,358, Cl. 373-10.000.
  Entrekin, Charles H.; and Harker, Howard R., 4,838,340, Cl. 164-455.000.

Axel, Richard: *See—*
  Cantor, Charles R.; Axel, Richard; and Argarana, Carlos, 4,839,293, Cl. 435-320.000.

Axelgaard, Jens; and Grussing, Theodore, to Axelgaard, Jens. Electrical stimulation electrode manufacturing method. 4,819,328, 4-11-89, Cl. 29-855.000.

Axelgaard, Jens; and Grussing, Theodore, to Jens Axelgaard. Electrical stimulation electrode. 4,867,166, 9-19-89, Cl. 128-640.000.

Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., to Pitney Bowes Inc. Letter preparing apparatus. 4,797,832, 1-10-89, Cl. 364-478.000.

Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; Pintsov, Leon A.; Hart, William G.; and Silverberg, Morton, to Pitney Bowes Inc. Mail preparation system. 4,800,505, 1-24-89, Cl. 364-478.000.

Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., to Pitney Bowes Inc. Apparatus for preparing mail pieces. 4,800,506, 1-24-89, Cl. 364-478.000.

Axelrod, Barry H.; and Durst, Robert T., Jr., to Pitney Bowes Inc. Mailing and accounting system. 4,849,884, 7-18-89, Cl. 364-406.000.

Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., to Pitney Bowes Inc. Apparatus for preparing a letter. 4,862,386, 8-29-89, Cl. 364-518.000.

Axelrod, Barry H.: *See—*
  Baer, Patricia B.; Hunter, Kevin D.; Hart, William G.; Axelrod, Barry H.; and Sansone, Ronald P., 4,821,195, Cl. 364-464.020.
  Sansone, Ronald P.; Gelfer, George G.; Taylor, Michael P.; and Axelrod, Barry H., 4,837,701, Cl. 364-464.030.

Axelrod, Joan C.; and Chibnik, Sheldon, to Mobil Oil Corporation. Low temperature fluidity improver. 4,834,776, 5-30-89, Cl. 44-63.000.

Axelrod, Michael G.: *See—*
  Bader, Robert A.; and Axelrod, Michael G., 4,855,111, Cl. 422-142.000.

Axelrod, Robert J.: *See—*
  Haaf, William R.; and Axelrod, Robert J., 4,826,919, Cl. 525-68.000.

Axelsson, Anders R.; Bylander, Lolo; Porrvik, Sten; and Tanner, Olof, to Casco Nobel AB. Toner for electrophotographic methods and process for preparing the same. 4,837,107, 6-6-89, Cl. 430-138.000.

Axelsson, Bengt I.: *See—*
  Andersson, Paul H.; Andersson, Per T.; Axelsson, Bengt I.; Thalen, Bror A.; and Trofast, Jan W., 4,804,656, Cl. 514-179.000.

Axelsson, Carl L.; Brunner, Mikael; Kaufmann, Dan; and Torsell, Krister, to IPS Interproject Service AB. Method for producing raw iron from iron concentrates for the manufacture of gas, and plant apparatus for carrying out the method. 4,834,791, 5-30-89, Cl. 75-26.000.

Axelsson, Owe; Holmgren, Harry; and Birkenbeul, Heinz, to AB Akerlund & Rausing. Folding box. 4,856,709, 8-15-89, Cl. 229-125.340.

Axelsson, Sabud: *See—*
  Runkvist, Birger; Lindgren, Lars; and Axelsson, Sabud, 4,862,6 Cl. 62-50.600.

Axford, Paul: *See—*
  Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phi Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.

Axinger, Jan; Bergman, Bernt-Olov; Johansson, Ingemar; Lonnerm Tomas; Paulsson, Lars; and Persson, Per-Olof, to Aktiebolaget Bofors. Ammunition device. 4,829,903, 5-16-89, Cl. 102-384.000.

Axinger, Jan: *See—*
  Persson, Per-Olof; Albrektsson, Kjell; Axinger, Jan; Fixell, Ja Olof; and Hyvarinen, Jari, 4,858,532, Cl. 102-387.000.

Axiom Medical, Inc.: *See—*
  Wood, Roger, 4,852,580, Cl. 128-693.000.

Axis S.p.A.: *See—*
  Luciani, Sabatino; and Lunini, Antonio, 4,858,835, Cl. 242-1.10A.
  Santandrea, Luciano; and Lombardi, Massimo, 4,878,292, C 29-734.000.

Axis USA, Inc.: *See—*
  Luciani, Sabatino; and Santandrea, Luciano, 4,831,716, C 29-596.000.
  Luciani, Sabatino; and Santandrea, Luciano, 4,854,033, C 29-596.000.

Axle Surgeons, Inc.: *See—*
  Shiets, Leo C., 4,820,089, Cl. 408-111.000.

Axon' Cable S.A.: *See—*
  Puzo, Joseph P., 4,806,416, Cl. 428-285.000.

Axon, Fredrick J.: *See—*
  Roos, Leo; Axon, Fredrick J.; and Briguglio, James J., 4,889,7 Cl. 439-258.000.

Axonn Corporation: *See—*
  Sanderford, H. Britton, Jr.; Rouquette, Robert E.; and Arthu James D., 4,799,062, Cl. 342-450.000.

Axtell, Stephen B. Puppet-on-the-arm illusion device. 4,824,0 4-25-89, Cl. 272-8.00N.

Axter, Sven E.: *See—*
  Graham, Wesley H.; Axter, Sven E.; and Lin, Fu-Shiong 4,889,569, Cl. 148-130.000.

Axup, Austin H. Mix and display chance device. 4,822,048, 4-18-89, C 273-144.00B.

Axytel S.A.: *See—*
  Genevois, Christophe, 4,884,061, Cl. 340-550.000.

Aya, Hideaki, to Omron Tateisi Electronics Co. Electronic cash register which records the time when the quantity of an item in stock fa to a predetermined number. 4,833,608, 5-23-89, Cl. 364-404.000.

Aya, Toshihiko; and Kadoi, Sho, to Toray Industries, Inc. Thermoplastic aromatic polyamideimide copolymer from polyamide diam 4,831,104, 5-16-89, Cl. 528-184.000.

Ayabe, Hideo: *See—*
  Yamazaki, Tsuneo; Saito, Tomoki; and Ayabe, Hideo, 4,854,5 Cl. 242-56.900.

Ayache, Liliane; and Laugier, Jean-Pierre, to L'Oreal. Thermo slimming cosmetic composition. 4,795,638, 1-3-89, Cl. 424-195.100.

Ayache, Liliane: *See—*
  Shroot, Braham; Le Foyer de Costil, Carole; and Ayache, Lilia 4,853,379, Cl. 514-179.000.

Ayad, Hafez M., to Rhone-Poulenc Nederland B.V. Synergistic insecticidal compositions. 4,798,839, 1-17-89, Cl. 514-351.000.

Ayala, Jorge A.; Joyce, George A.; and Crabbe, David, to Colum Chemicals Company. Pigment dispersion in resin. 4,798,856, 1-17-8 Cl. 524-386.000.

Ayala, Varin: *See—*
  Bailey, Webb I.; Schweighardt, Frank K.; and Ayala, Var 4,827,053, Cl. 570-130.000.
  Bailey, Webb I.; Schweighardt, Frank K.; and Ayala, Var 4,849,553, Cl. 570-130.000.

Ayano, Mitsutoshi: *See—*
  Takato, Kenji; Tojo, Toshiro; Iketani, Yozo; Ayano, Mitsut and Shibuya, Kiyoshi, 4,827,505, Cl. 379-413.000.

Ayasli, Yalcin, to Hittite Microwave Corporation. Non-ferrite nonreciprocal phase shifter and circulator. 4,801,901, 1-31-89, Cl. 333-1.000.

Ayata, Kenzo: *See—*
  Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.

Ayata, Naoki; Saito, Seiji; Suzuki, Hidetoshi; Ozawa, Kunitaka; and Koumura, Noboru, to Canon Kabushiki Kaisha. Printing apparatus for system. 4,866,532, 9-12-89, Cl. 358-443.000.

Ayato, Hiroshi: *See—*
  Ikeda, Hideo; Fujita, Munehisa; Ishimaru, Shingo; Ayato, Hiroshi; and Urabe, Shigeharu, 4,806,461, Cl. 430-567.000.

Aycock, David F.; and Shu, Peter H., to General Electric Company. High impact rubber modified polystyrene and polyphenylene ether resins containing the same. 4,824,887, 4-25-89, Cl. 524-151.000.

Aycock, David F.; and Ting, Sai-Pei, to General Electric Company. Functionalized polyphenylene ethers and blends with polyamides. 4,824,915, 4-25-89, Cl. 525-397.000.

Aydt, Guenter: *See—*
  Kroniger, Wilhelm; Martin, Roland; and Aydt, Guenter, 4,886,147, Cl. 188-73.370.

Ayer, Atul D.; and Hamel, Lawrence G., to ALZA Corporation. Pseudoephedrine brompheniramine therapy. 4,810,502, 3-7-89, Cl. 424-473.000.

Ayer, Atul D.; Swanson, David R.; and Kuczynski, Anthony L., to ALZA Corporation. Dosage form for treating cardiovascular diseases comprising isradipine. 4,816,263, 3-28-89, Cl. 424-468.000.

Ayer, Atul D.; Theeuwes, Felix; and Wong, Patrick S. L., to Alza Corporation. Pulsed drug delivery of doxylamine. 4,842,867, 6-27-89, Cl. 424-473.000.

Ayer, Atul D.; and Wong, Patrick S. L., to ALZA Corporation. Dosage form with means for governing rate of gas formation. 4,847,093, 7-11-89, Cl. 424-473.000.

Ayer, Atul D.: *See—*
  Jordan, Maureen L.; Ayer, Atul D.; Magruder, Paul R.; and Edgren, David E., 4,814,181, Cl. 424-473.000.

Ayer, John W.: *See—*
  Tassin, Larry D.; and Ayer, John W., 4,819,391, Cl. 52-182.000.

Ayer, Kenneth N., to AMP Incorporated. Method of terminating wires to terminals. 4,852,252, 8-1-89, Cl. 29-860.000.

Ayer, Raghavan: *See—*
  Luton, Michael J.; Ayer, Raghavan; Petkovic-Luton, Ruzica; Vallone, Joseph; and Matras, Stephen, 4,818,481, Cl. 419-67.000.

Ayers, Curtis J.; Morgan, Janerio N; and May, William E., to Siemens Energy & Automation, Inc. Magnetic actuating mechanism. 4,801,910, 1-31-89, Cl. 335-230.000.

Ayers, David B. Manipulative amusement device. 4,881,738, 11-21-89, Cl. 273-153.00S.

Ayers, Harold J., to Texaco Inc. Quench ring for a gasifier. 4,808,197, 2-28-89, Cl. 48-69.000.

Ayers, Joe W., to Texas Instruments Incorporated. Separable drive coupling using metal bellows. 4,881,922, 11-21-89, Cl. 464-79.000.

Ayers, Joe W.; and Autery, William D., to Texas Instruments Incorporated. Bellows clamp actuator. 4,886,169, 12-12-89, Cl. 206-591.000.

Ayers, Randall W., to Variform, Inc. Mobile home skirting system. 4,843,793, 7-4-89, Cl. 52-169.120.

Ayers, Ray R., to Shell Oil Company. Marine electrical plug. 4,797,117, 1-10-89, Cl. 439-200.000.

Ayers, Ray R., to Shell Oil Company. Float launch system. 4,869,191, 9-26-89, Cl. 114-253.000.

Ayers, Sammy L., Jr.: *See—*
  Pasinski, Ralph R.; and Ayers, Sammy L., Jr., 4,833,709, Cl. 379-374.000.

Ayers, William R. Seal for a spin-on filter. 4,832,844, 5-23-89, Cl. 210-440.000.

Ayestaran, Luis C.: *See—*
  Kucuk, Fikri; and Ayestaran, Luis C., 4,799,157, Cl. 364-422.000.

Ayetech Inc.: *See—*
  Bronskill, Michael J.; and Jiang, Bai-Chuan, 4,838,677, Cl. 351-203.000.

Aymerica del Valle, Alejandro A.; Capdet, Pablo A. P.; Suarez, Francisco A. F.; and Aguado, Efrain G., to Empresa Cubana Importadora Y Exportadora of Products Medicos, T/A Medicuba. Sinergic splint for early mobilization of the flexor tendons of the hand. 4,809,688, 3-7-89, Cl. 128-88.000.

Ayon, Lance C.; and Lipman, Steven B., to Puppet Kooler Industries, Inc. Insulated container having a three-dimensional exterior caricature. 4,815,999, 3-28-89, Cl. 446-73.000.

Ayrai, Jean L.; Maillot, Christian; and Micheron, Francois, to Thomson-CSF. Memory display system. 4,818,877, 4-4-89, Cl. 250-484.100.

Ayres, Calvin L., to Air Products and Chemicals, Inc. Cryogenic nitrogen generator with nitrogen expander. 4,834,785, 5-30-89, Cl. 62-38.000.

Ayres, Charles A.: *See—*
  Mesaura, Kathleen A.; and Ayres, Charles A., 4,832,915, Cl. 422-62.000.

Ayres, Donald B.: *See—*
  Laugas, Arthur; and Ayres, Donald B., 4,815,182, Cl. 29-91.000.
  Langas, Arthur; Ayres, Donald B.; and Gustafson, Glenn H., 4,829,643, Cl. 29-91.000.

Ayres, Paul S.: *See—*
  Womack, Edgar A., Jr.; and Ayres, Paul S., 4,845,308, Cl. 174-15.400.

Ayres, Robert N. Slip stream device. 4,796,697, 1-10-89, Cl. 166-90.000.

Ayres, Sally J.: *See—*
  Tack, Robert D.; Andrews, Rodger F.; and Ayres, Sally J., 4,874,394, Cl. 44-70.000.

Ayton, Ian: *See—*
  Rudell, Elliott; Cernansky, Joe; Ayton, Ian; Kamrath, Rick; and Foster, George, 4,850,496, Cl. 215-12.100.

Ayub, Zahid H., to E. L. Nickell, Co., Inc. Heat exchanger. 4,805,694, 2-21-89, Cl. 165-158.000.

Aza, Alberto D.; Keeley, Charles; Rogers, Jay L.; and Brilliant, Stuart D., to Argus Chemical Corporation. Homogeneous storage-stable liquid barium-cadmium-triphosphite stabilizer systems for polyvinyl chloride resins. 4,837,257, 6-6-89, Cl. 524-151.000.

Azad, Farzin H., to General Electric Company. Reflector design for a slab laser. 4,800,569, 1-24-89, Cl. 372-99.000.

Azain, Michael J.; Eigenberg, Kenneth E.; Kasser, Thomas R.; and Sabacky, M. Jerome, to Monsanto Company. Somatotropin prolonged release. 4,863,736, 9-5-89, Cl. 424-423.000.

Azam, Guy; Convert, Guy; Cosset, Jean M.; Dufour, Jacques; and Mabire, Jean P., to C.G.R. MeV. Device for treatment through hyperthermia. 4,821,725, 4-18-89, Cl. 128-420.00A.

Azam, Mohammad S.; and Carr, Michael D., to British Telecommunications Public Limited Company. Video level control. 4,860,103, 8-22-89, Cl. 558-160.000.

Azamatov, Ramil A.; Zamitter, Mikhail N.; Zema, Evgeny M.; Nedorezov, Vladimir A.; and Oblovatsky, Anatoly K., to Kievsky Inzhenerno-Stroitelny Institut. Elastic suspension of a wheeled vehicle. 4,886,292, 12-12-89, Cl. 280-718.000.

Azami, Katsumasa, to Sanden Corporation. Piston ring manufacturing method. 4,835,856, 6-6-89, Cl. 29-156.600.

Azarevich, Gennady M.; Akimov, Boris I.; and Kirsanova-Belova, Elena V., to Nauchno-Proizvodstvennoe Obiedinenie Po Tekhnologii Tractornogo I Selskokhozyaistvennogo Mashinostroenia NPO Nii Tractoroselkhozmash. Contrivance for the cutting-deforming of cylindrical surfaces. 4,805,431, 2-21-89, Cl. 72-70.000.

Azdel, Inc.: *See—*
  Chilva, Timothy E., 4,802,843, Cl. 432-8.000.

Azeau, Jean J. E.: *See—*
  Aubry, Jacques A.; and Azeau, Jean J. E., 4,822,245, Cl. 416-134.00A.

Azegami, Hitoshi: *See—*
  Kuroda, Kazuhiro; Tanaka, Kazushi; and Azegami, Hitoshi, 4,837,083, Cl. 428-329.000.

Azegami, Kiyotaka; Tayama, Suehiro; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, to Mitsubishi Rayon Company, Ltd. Synthetic resin molded article having antistatic property. 4,877,687, 10-31-89, Cl. 428-520.000.

Azegami, Osamu; and Miyake, Toshifumi, to Ishida Scales Mfg. Co., Ltd. Method and apparatus for sorting articles. 4,818,380, 4-4-89, Cl. 209-565.000.

Azel, Agustin M.: *See—*
  Bullock, James B.; and Azel, Agustin M., 4,833,925, Cl. 73-861.790.

Azerbaidzhansky Nauchno-Issledovatelsky I Proektno-Konstruktorsky Institut Neftyanogo Mashinostroenia: *See—*
  Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.

Azevedo, Michael J.; Corchero, Charles A.; Lang, Donald J.; and Woodman, Gilbert R., Jr., to International Business Machines Corporation. Apparatus and method for digital compensation of oscillator drift. 4,868,514, 9-19-89, Cl. 328-155.000.

Azimov, Naum. Flow system of static parameters. 4,799,511, 1-24-89, Cl. 137-613.000.

Aziz, Farooq. Remedial device for treatment of carpal tunnel syndrome. 4,883,073, 11-28-89, Cl. 128-878.000.

Aziz, George W.: *See—*
  Takats, Imre J.; and Aziz, George W., 4,887,214, Cl. 364-424.010.

Aziz, Mohammed I.; and Blaney, Ted L., to Procter & Gamble Company, The. Disposable absorbent article having elasticized flaps provided with leakage resistant portions. 4,808,178, 2-28-89, Cl. 604-385.200.

Azkoyen Industrial, S.A.: *See—*
  Ibarrola, Jesus E., 4,860,877, Cl. 194-346.000.

Azo-Maschinenefabrik Adolf Zimmermann GmbH: *See—*
  Baumann, Rudolf, 4,812,047, Cl. 366-141.000.

Azpitarte Bolivar, Domingo F., to Oficina de Investigacion Agrupada, S.A. Water vapor relief device for domestic coffee makers. 4,852,473, 8-1-89, Cl. 99-293.000.

Azuhata, Shigeru: *See—*
  Sohma, Kenichi; Azuhata, Shigeru; Narato, Kiyoshi; Inada, Tooru; Kobayashi, Hironobu; Arashi, Norio; and Miyadera, Hiroshi, 4,820,046, Cl. 356-328.000.

Azukizawa, Teruo; and Morishita, Mimpei, to Kabushiki Kaisha Toshiba. Transportation system of floated-carrier type. 4,817,533, 4-4-89, Cl. 104-289.000.

Azukizawa, Teruo; Morishita, Mimpei; Yokoyama, Toyohiko; Takaki, Shigeo; Yuyama, Yoshio; and Noda, Akitaka, to Kabushiki Kaisha Toshiba. Transportation system of a floated-carrier type. 4,882,999, 11-28-89, Cl. 104-281.000.

Azukizawa, Teruo: *See—*
  Morishita, Mimpei; and Azukizawa, Teruo, 4,811,667, Cl. 104-284.000.
  Morishita, Mimpei; and Azukizawa, Teruo, 4,825,773, Cl. 104-284.000.

Morishita, Mimpei; and Azukizawa, Teruo, 4,838,172, Cl. 104-281.000.

Azuma, Daisuke; Ohta, Yoshiji; and Tanaka, Shinichi, to Sharp Kabushiki Kaisha. Semiconductor dynamic memory device. 4,888,631, 12-19-89, Cl. 357-23.600.

Azuma, Hitoshi; and Tomo, Kentaro, to Toyota Jidosha Kabushiki Kaisha. Differential gear. 4,813,297, 3-21-89, Cl. 74-675.000.

Azuma, Hitoshi; and Mizutani, Hitoshi, to Toyota Jidosha Kabushiki Kaisha. Differential gear for a two wheel or four wheel drive vehicle. 4,819,512, 4-11-89, Cl. 74-713.000.

Azuma, Hitoshi: *See—*
  Yasui, Yasuyoshi; and Azuma, Hitoshi, 4,876,921, Cl. 74-710.500.

Azuma, Ichiro; Tokura, Seiichi; Nishimura, Shinichiro; and Seo, Hiroshi, to Murata Kikai Kabushiki Kaisha. Slow-releasing preparation. 4,873,092, 10-10-89, Cl. 424-499.000.

Azuma, Isao; Ishida, Miyuki; and Aoki, Naozumi, to Fujitsu Limited. Electronic circuit device able to diagnose status-holding circuits by scanning. 4,853,929, 8-1-89, Cl. 371-25.000.

Azuma, Jun, to Canon Kabushiki Kaisha. Image forming apparatus having an image bearing member reciprocally movable in the direction of the rotational axis thereof. 4,833,502, 5-23-89, Cl. 346-160.000.

Azuma, Kazuo; and Inoue, Masahiko, to Toyota Jidosha Kabushiki Kaisha. Resistance welding electrode chip. 4,843,206, 6-27-89, Cl. 219-119.000.

Azuma, Kenkoku, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for measuring ozone concentration. 4,849,178, 7-18-89, Cl. 422-69.000.

Azuma, Kenkoku; and Sakaki, Masaaki, to Mitsubishi Denki Kabushiki Kaisha. Method of laser marking. 4,861,620, 8-29-89, Cl. 427-53.100.

Azuma, Kunihiko: *See—*
  Miyazaki, Kunio; Azuma, Kunihiko; and Noguchi, Satoru, 4,830,163, Cl. 192-105.0CD.

Azuma, Makoto; Takahashi, Jun; Yamauchi, Hirohiko; and Ueda, Nobuo, to Nihon Medi-Physics Co., Ltd. Stable stannous chloride composition for labeling with radioactive technetium. 4,880,616, 11-14-89, Cl. 424-1.100.

Azuma, Makoto: *See—*
  Gemma, Nobuhiro; Miura, Akira; Mizushima, Koichi; Azuma, Makoto; and Mori, Yasushi, 4,871,236, Cl. 350-355.000.
  Miura, Akira; Gemma, Nobuhiro; Mizushima, Koichi; Azuma, Makoto; and Iwakiri, Takano, 4,819,210, Cl. 365-106.000.

Azuma, Masashi; Narushima, Tuneo; and Ishihara, Takashi, to Konishiroku Photo Industry Co., Ltd. Biochemical analyzer. 4,795,613, 1-3-89, Cl. 422-64.000.

Azuma, Mitsuyoshi: *See—*
  Terao, Shinji; Azuma, Mitsuyoshi; and Watanabe, Noriko, 4,826,872, Cl. 514-474.000.

Azuma, Nobuo; Masui, Hikaru; and Watatani, Yoshizumi, to Hitachi, Ltd. Tracking controlling device using multiple pilot signals in magnetic video signal recording and reproducing apparatus. 4,809,096, 2-28-89, Cl. 360-77.150.

Azuma, Nobuo; Takahashi, Masaru; Shibata, Akira; and Mikamo, Katsumi, to Hitachi, Ltd. Audio signal recording/reproducing system for use in time-lapse video tape recorder. 4,819,097, 4-4-89, Cl. 360-35.100.

Azuma, Nobuyuki; Nakamura, Kazuo; Maeda, Minoru; and Yamada, Mamoru, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. Method for production of oxidation-resistant sialon and silicon carbide materials. 4,842,840, 6-27-89, Cl. 423-345.000.

Azuma, Nobuyuki; Maeda, Minoru; and Nakamura, Kazuo, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. Method for production of oxidation-resistant silicon nitride material. 4,853,204, 8-1-89, Cl. 423-344.000.

Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, to Teijin Limited. Organo-phosphorus compound and herbicide comprising it as active ingredient. 4,838,923, 6-13-89, Cl. 71-86.000.

Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, to Teijin Limited. Phenoxycarboxylic acid and herbicide comprising it as active ingredient. 4,845,264, 7-4-89, Cl. 560-053.000.

Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; Yamaji, Teizo; and Ichikawa, Yataro, to Teijin Limited. Plant growth promoter and method of plant growth promotion. 4,846,877, 7-11-89, Cl. 71-92.000.

Azuma, Shizuo: *See—*
  Hiramatsu, Toshiyuki; Azuma, Shizuo; Nakagawa, Koji; and Ichikawa, Yataro, 4,812,163, Cl. 71-92.000.

Azuma, Toshio, to Bridgestone Corporation. Apparatus for introducing a belt-shaped material to a cutting machine. 4,838,137, 6-13-89, Cl. 83-42.000.

Azuma, Toshiro; and Hacegawa, Toshiyuki, to Kanzaki Kokyukoki Mfg. Co. Front wheel speed-up mechanism for a four wheel drive vehicle when turning. 4,798,259, 1-17-89, Cl. 180-233.000.

Azuma, Toshiro: *See—*
  Yamaoka, Kojiro; Azuma, Toshiro; Fujisaki, Koichiro; and Okada, Hideaki, 4,882,940, Cl. 74-15.66l.
  Yamaoka, Kojiro; Azuma, Toshiro; Yano, Kazuhiko; and Ohashi, Ryota, 4,886,142, Cl. 180-242.000.

Azuma, Yoshiyuki, to Kabushiki Kaisha Toshiba. Operation mode selecting device for washing machines. 4,838,050, 6-13-89, Cl. 68-12.00R.

Azuma, Yoshiyuki: *See—*
  Matsuo, Katsuharu; and Azuma, Yoshiyuki, 4,853,605, Cl. 318-729.000.

Azuma, Yusaku: *See—*
  Inaba, Ryohei; Azuma, Yusaku; and Kasai, Shozou, 4,820,114, Cl. 414-751.000.
  Kawata, Hideaki; Azuma, Yusaku; Kuroki, Kenzi; and Shigemats Osamu, 4,844,680, Cl. 414-331.000.

Azumai, Hideo; Fujii, Koichi; Seigenji, Takashi; and Yoshioka, Keich to Ricoh Company, Ltd. Selectively definable semiconductor devic 4,855,803, 8-8-89, Cl. 357-45.000.

Azumi, Masaaki: *See—*
  Takahara, Ichiro; Azumi, Masaaki; Shigetomi, Kazuo; Kamimura Takaya; and Ishida, Hideki, 4,839,881, Cl. 369-75.200.

Azumi, Takashi; and Murakami, Toshio, to Hitachi, Ltd. Automa focusing apparatus having an automatic offset voltage regulatin device. 4,868,666, 9-19-89, Cl. 358-227.000.

Azumi, Takashi: *See—*
  Murakami, Toshio; Azumi, Takashi; Sakurai, Hiroshi; Maruyama Takesuke; and Todaka, Yoshihiro, 4,842,387, Cl. 350-429.00

Azusawa, Noboru; Hashimoto, Tadahiko; Shiraishi, Hisayoshi; an Nagae, Yoshiharu, to Hitachi, Ltd. Liquid crystal projection displa having laser intensity varied according to beam change-of-axis spee 4,810,064, 3-7-89, Cl. 350-351.000.

Azvedo, Frank D. Aircraft theft guard. 4,888,968, 12-26-89, C 70-163.000.

Azypatent AG: *See—*
  Buzzi, Ugo, 4,862,569, Cl. 29-38.00C.

Azzarello, Joseph A.; San Luis, Carlos T.; and Wagenbach, Gerald L to J. I. Case Company. Sway limiting means for a tractor hitc 4,862,971, 9-5-89, Cl. 172-450.000.

Azzerri, Nazzareno; and Giorgi, Leonardo, to Nuova Italsider S.p.A Steel strip for food packaging. 4,886,712, 12-12-89, Cl. 428-632.00

Azzolina, Barbara A.: *See—*
  Hupe, Donald; Argenbright, Lawrence; Behrens, Nancy; an Azzolina, Barbara A., 4,847,257, Cl. 514-269.000.

Azzouni, Ghassan. Adjustable portable console sleeve for radio 4,870,702, 9-26-89, Cl. 455-346.000.

B. A. Barker. Animal waterer. 4,883,022, 11-28-89, Cl. 119-73.00

B.A.S.F. Peintures & Encres S.A.: *See—*
  Guyomard, Daniel; Torrez, Gerald; Lambour, Jean-Michel; an Arriveau, Claude, 4,876,111, Cl. 427-31.000.

B.A.T. Cigarettenfabriken GmbH: *See—*
  Borowski, Horst; Kausch, Erwin; Rittershaus, Erhard; Rudol Gert; and Schneider, Werner, 4,874,004, Cl. 131-364.000.
  Federle, Hartmut; and Walther, Friedrich, 4,848,370, C 131-84.100.
  Federle, Hartmut; Meyer, Meinhard; Ulrich, Jorn; Walther, Fr drich; and Weinhold, Friedrich, 4,865,051, Cl. 131-84.100.
  Hirsch, Werner; Rittershaus, Erhard; and Weiss, Arno, 4,844 Cl. 131-296.000.
  Knaul, Per; Schelhorn, Fritz; and Witte, Roland, 4,860,883, C 198-495.000.
  Melchior, Klaus; Rueff, Manfred; and Federle, Hartmut, 4,835 Cl. 358-107.000.
  Ulrich, Jorn; Weinhold, Friedrich; and Meyer, Meinhar 4,811,744, Cl. 131-84.100.

B.A.G. Corporation: *See—*
  Derby, Norwin C., 4,833,008, Cl. 428-246.000.

B-ART S.r.l.: *See—*
  Biagini, Livio, 4,872,430, Cl. 123-188.00A.

B&B Italia S.p.A.: *See—*
  Piretti, Giancarlo, 4,848,245, Cl. 108-156.000.

B&B Progessive Material & Technologies, Inc.: *See—*
  Harris, Kendall R.; Spriggs, Leonard C.; and Block, Ralph 4,811,529, Cl. 52-396.000.

B&B Progressive Materials & Technologies, Inc.: *See—*
  Spriggs, Leonard C.; and Chockey, William J., 4,844,960, C 428-34.500.

B. Braun Melsungen AG: *See—*
  Dold, Michael, 4,868,801, Cl. 368-139.000.
  Haindl, Hans; and Fuchs, Jurgen, 4,871,356, Cl. 604-247.00
  Haindl, Hans, 4,883,470, Cl. 604-192.000.
  Haindl, Hans, 4,889,529, Cl. 604-274.000.
  Knoch, Martin; Reul, Helmut; and Rau, Gunter, 4,799,930, C 623-2.000.
  Knoch, Martin; Reul, Helmut; and Rau, Gunter, 4,846,830, C 623-2.000.
  Mauerer, Erich; and Mengel, Reiner, 4,832,689, Cl. 604-67.00
  Rietschel, Wolfgang; Kiel, Reinhard; Kahlert, Wolfgang; an Kuhlmann, Winfried, 4,868,124, Cl. 435-311.000.
  Witt, Hans-Hinrich, 4,842,585, Cl. 604-158.000.

B-Conn, Inc.: *See—*
  Brown, Robert L.; and Richesson, Roger W., 4,796,469, C 73-49.200.

B & E Enterprises: *See—*
  Bull, Barry J., 4,809,375, Cl. 5-465.000.

B. F. Electronics, Inc.: *See—*
  Furrow, Robert E., 4,812,671, Cl. 307-10.100.

B. F. Goodrich Company, The: *See—*
  Adams, Lowell J.; Simshauser, Steven C.; Pisarski, Nathan; an Weisend, Norbert A., Jr., 4,875,644, Cl. 244-134.00R.
  Amjad, Zahid, 4,806,259, Cl. 252-80.000.
  Amjad, Zahid, 4,842,847, Cl. 424-52.000.
  Amjad, Zahid; and Masler, William F., 4,885,097, Cl. 210-701.
  Baden, Bradley J.; and Warren, John H., 4,878,563, Cl. 188-71.5
  Bandlish, Baldev K., 4,847,319, Cl. 524-589.000.
  Baughman, Joseph W.; and Bayless, Arden D., 4,828,520, C 441-40.000.
  Black, Robert H.; and Caprette, Samuel J., Jr., 4,887,247, C 367-151.000.
  Briscoe, James A.; Putt, James C.; Phillips, Ronald W., II; Tenison, Gary V.; and Leffel, Kevin L., 4,826,108, Cl. 244-134.00A.
  Briscoe, James A.; Putt, James C.; Phillips, Ronald W., II; and Leffel, Kevin L., 4,836,474, Cl. 244-134.00A.
  Briscoe, James A.; Putt, James C.; and Phillips, Ronald W., II, 4,865,291, Cl. 251-30.020.
  Caprette, Samuel J., Jr.; and Smith, Wilson N., Jr., 4,820,753, Cl. 524-41.000.
  Caprette, Samuel J., Jr., 4,821,243, Cl. 367-153.000.
  Chasar, Dwight W., 4,866,138, Cl. 525-330.900.
  Cinadr, Bernard F., 4,874,823, Cl. 525-329.200.
  Donat, Frank J., 4,814,387, Cl. 525-282.000.
  Eden, Jamal S.; and Cowfer, Joseph A., 4,849,393, Cl. 502-225.000.
  Edmisten, Frank D., 4,863,001, Cl. 188-218.0XL.
  Eroskey, Richard E.; and Worcester, Winthrop S., 4,820,143, Cl. 425-122.000.
  Fisher, John M., 4,846,422, Cl. 244-137.200.
  Gilbert, Eugene C., 4,867,150, Cl. 128-155.000.
  Haggerty, John A., 4,880,319, Cl. 384-215.000.
  Hall, Dale R.; and Keller, Dennis J., 4,877,856, Cl. 528-44.790.
  Hannah, Steven L.; Williams, Maureen R.; and Greenlee, Thomas W., 4,798,879, Cl. 528-45.000.
  Hartitz, J. Ernst, 4,888,148, Cl. 264-209.500.
  Horowitz, Amikam, 4,806,482, Cl. 435-262.000.
  Horowitz, Amikam, 4,833,086, Cl. 435-252.100.
  Kim, Heung-Tai, 4,863,366, Cl. 425-376.100.
  Kinson, Philip L.; and Faber, Edward M., 4,870,126, Cl. 524-521.000.
  Kletecka, George; Lai, John T.; and Son, Pyong-Nae, 4,797,438, Cl. 524-100.000.
  Kramer, James H., 4,802,430, Cl. 114-169.000.
  Kramer, James H., 4,809,631, Cl. 114-169.000.
  Kramer, James H., 4,887,934, Cl. 405-213.000.
  Kroenke, William J.; Mazany, Anthony M.; and Standish, John V., 4,816,303, Cl. 428-333.000.
  Kugelman, Michael M., and Roman, James M., 4,814,931, Cl. 361-56.000.
  Lautenschlaeger, Friedrich K. W.; Bumanlag, Reynaldo G.; and Box, James A., 4,814,215, Cl. 428-40.000.
  Lehr, Marvin H.; and Standish, John V., 4,820,750, Cl. 523-213.000.
  Lehr, Marvin H., 4,847,331, Cl. 525-227.000.
  Lehr, Marvin H., 4,863,635, Cl. 252-518.000.
  Lehr, Marvin H.; and Nicholas, Paul P., 4,868,247 Cl. 525-239.000.
  Maddox, Charles G., 4,859,108, Cl. 403-277.000.
  Magistro, Angelo J., 4,874,858, Cl. 544-196.000.
  Mazany, Anthony M., 4,869,964, Cl. 428-418.000.
  Mazany, Anthony M., 4,876,305, Cl. 524-401.000.
  Moghe, Sharad R., 4,818,578, Cl. 428-57.000.
  Nagarajan, Madukkarai K., 4,828,752, Cl. 252-174.240.
  Neuman, Richard C., 4,797,442, Cl. 524-394.000.
  Nichols, Carl S., 4,882,081, Cl. 292-182.280.
  Percec, Virgil, 4,806,601, Cl. 525-391.000.
  Percec, Virgil; and Nicholas, Paul P., 4,806,617, Cl. 528-86.000.
  Percec, Virgil; Nicholas, Paul P.; and Garcia, Dana, 4,871,816, Cl. 525-393.000.
  Phillips, Ronald W., II, 4,875,815, Cl. 411-38.000.
  Putt, James C., 4,807,515, Cl. 91-346.000.
  Putt, James C., 4,832,578, Cl. 417-266.000.
  Putt, James C.; and Hohenshil, Robert N., 4,878,647, Cl. 251-30.050.
  Rahrig, Douglas B.; Magistro, Angelo J.; and Parker, Richard G., 4,801,627, Cl. 523-209.000.
  Redenbarger, Philip D.; and Megginson, George W., 4,887,696, Cl. 188-73.450.
  Riew, Changkiu K.; and Morris, Roger E., 4,883,841, Cl. 525-148.000.
  Roemke, Lowell W.; and Stevenson, Hildreth W., 4,797,306, Cl. 427-261.000.
  Rundo, John R., 4,825,609, Cl. 52-202.000.
  Rundo, John R., 4,873,803, Cl. 52-202.000.
  Schneider, Wolfgang W.; and Wagner, William A., 4,804,479, Cl. 210-754.000.
  Shackelford, James R., 4,828,438, Cl. 411-34.000.
  Sharaby, Zaev; and Vyvoda, Josef C., 4,797,443, Cl. 524-347.000.
  Sharaby, Zaev, 4,797,458, Cl. 526-194.000.
  Sharaby, Zaev, 4,871,780, Cl. 521-56.000.
  Sharaby, Zaev, 4,871,801, Cl. 525-69.000.
  Sidles, James, 4,888,228, Cl. 428-86.000.
  Sobek, Andrew A.; Reutern, Eric; and Pausch, Jerry B., 4,869,905, Cl. 426-406.000.
  Son, Pyong-Nae; Jacobs, Charles P.; Kovach, Ronald M.; and Lai, John T., 4,841,053, Cl. 544-384.000.
  Stanislawczyk, Vic, 4,879,364, Cl. 526-318.200.
  Sullivan, F. Ryan, 4,826,631, Cl. 252-512.000.
  Sweet, David B.; and Hindel, James T., 4,837,920, Cl. 29-597.000.
  Sweet, David B.; and Hindel, James T., 4,871,935, Cl. 310-232.000.
  Ware, James T.; and Minchak, Robert J., 4,843,185, Cl. 585-803.000.
  Wilson, Martin E., 4,835,826, Cl. 29-90.010.
  Yang, Wei-Yeih, 4,820,763, Cl. 524-505.000.
  Yu, Simon H., 4,847,332, Cl. 525-398.000.

B&G-Fordertechnik GmbH: *See—*
  Gronau, Kurt, 4,850,087, Cl. 29-33.00R.

B & G Plastics, Inc.: *See—*
  Kolton, Chester; and Spater, Stuart S., 4,884,726, Cl. 223-91.000.

B.H.F. (Engineering) Limited: *See—*
  Stephens, Alan, 4,803,698, Cl. 373-27.000.

B. H. Holdings Limited: *See—*
  Beistegui, Jose L., 4,809,970, Cl. 272-73.000.

B & H Manufacturing Company, Inc.: *See—*
  Hoffman, Wolfgang, 4,844,957, Cl. 428-34.700.
  Mitchell, Monte C., 4,872,931, Cl. 156-86.000.

B. I. Incorporated: *See—*
  Pauley, James D.; and Ripingill, Allen E., Jr., 4,885,571, Cl. 340-573.000.

B & J Manufacturing Company: *See—*
  Stanfield, Charles K., 4,843,768, Cl. 51-206.00R.

B & J Rocket Rasp A/S: *See—*
  Holst, Svend; Jensen, Niels; and Jensen, Georg, 4,845,897, Cl. 51-78.000.

B/K Patent Development, Inc.: *See—*
  Burch, Lyndon W.; and Burch, Hadley K., 4,796,355, Cl. 29-622.000.

B.M. di Mauro Rossini & C. S.a.s.: *See—*
  Rossini, Mauro; and Encicliati, Mario, 4,817,698, Cl. 160-107.000.

B.O.C.S.A.: *See—*
  Zalkin, Daniel, 4,877,023, Cl. 128-204.210.

B.R. Controls, Inc.: *See—*
  Barrier, Miller M.; Reynolds, Graeme E.; and Pesek, Daniel J., 4,817,669, Cl. 137-627.500.

B.R.I.C.-Bureau de Recherche pour l' Innovation et la Convergence & Banque de France: *See—*
  Gravisse, Philippe; Duchateau, Jacques; and Perron, Maurice, 4,874,188, Cl. 283-89.000.

B.S. Computer Service Co., Ltd.: *See—*
  Ishii, Kuniaki, 4,844,261, Cl. 206-444.000.

B & S Metalpraecis Gesellschaft fur Metallformgebung m.b.H: *See—*
  Berchem, Rutger; Prokscha, Georg; and Heidemeyer, Herbert, 4,795,133, Cl. 251-171.000.

B.V.B.A. Inpharm: *See—*
  Jansen, Frans H. J.; and De Cock, Etienne J., 4,863,965, Cl. 514-576.000.

B-V Dough Handling Systems, Inc.: *See—*
  Valentino, Frank; Betts, David E.; and Alesch, Edward A., 4,883,361, Cl. 366-97.000.

B. V. Gerbs. ter Braak: *See—*
  van der Schaaf, Herman J., 4,840,678, Cl. 127-2.000.

B. V. Optische Industrie "De Oude Delft" : *See—*
  Duinker, Simon, 4,890,312, Cl. 378-146.000.
  Vlasbloem, Hugo, 4,803,714, Cl. 378-62.000.

B.W.N. Vortoil Rights Co. Pty. Ltd.: *See—*
  Boadway, John D., 4,842,145, Cl. 209-144.000.
  Colman, Derek A.; and Thew, Martin T., 4,810,382, Cl. 210-512.100.

B. Walter & Co., Inc.: *See—*
  Konkie, Douglas R., 4,844,398, Cl. 248-240.400.

Baacke, Michael; Deller, Klaus; Kleinschmit, Peter; and Koberstein, Edgar, to Degussa Aktiengesellschaft. Catalysts for converting alcohols and/or aliphatic ether to unsaturated hydrocarbons and process for their production. 4,861,937, 8-29-89, Cl. 585-640.000.

Baader North America Corporation: *See—*
  Ewing, Richard C.; Kuczewski, Walter V.; and Thurber, Gerald A., 4,819,811, Cl. 209-699.000.
  Ewing, Richard C.; and De Jesus, Vincent, 4,827,571, Cl. 17-54.000.
  Ewing, Richard C., 4,882,811, Cl. 17-58.000.

Baader, Wolfgang. Method for the treatment of animal excrements and sewage sludges. 4,880,586, 11-14-89, Cl. 264-141.000.

Baake, Karl A., to K & H Industries, Inc. Portable lamp. 4,885,670, 12-5-89, Cl. 362-400.000.

Baan Hofman, Matthijs J.: *See—*
  Van Roosmalen, Johannes T. C.; Fastenau, Robert H. J.; Koorneef, Jacob; Baan Hofman, Matthijs J.; and Klomp, Johannes T., 4,829,211, Cl. 313-402.000.

Baars, Nicolaas J.; and Ducrot, Etienne, to U.S. Philips Corporation. Analog-to-digital converting apparatus having an automatic gain control circuit. 4,831,378, 5-16-89, Cl. 341-139.000.

Baas, Dieter, to Deutsche Thomson-Brandt GmbH. System to ascertain the scanning speed of audio disks with contactless scanning. 4,796,249, 1-3-89, Cl. 369-50.000.

Baas, Dieter, to Deutsche Thomson-Brandt GmbH. Circuitry for an audio or video disk player. 4,803,676, 2-7-89, Cl. 369-143.000.

Baas, Dieter; and Kurz, Arthur, to Deutsche Thomson-Brandt GmbH. Focus control through detection of the rate of error in discs with a control signal inversely dependent on the error rate. 4,809,253, 2-28-89, Cl. 369-45.000.

Baas, Dieter, to Deutsche Thomson-Brandt GmbH. Method of skipping tracks while searching for a track and circuitry for carrying out the method. 4,845,698, 7-4-89, Cl. 369-32.000.

Baas, Dieter, to Deutsche Thomson-Brandt GmbH. Process for searching for a track on a rotating plate-like information support and circuit for performing the process. 4,847,821, 7-11-89, Cl. 369-32.000.

Baasch, Holger J.; and Luecke, Francis S., to International Business Machines Corporation. Two axis electromagnetic actuator with axis balanced suspension. 4,813,033, 3-14-89, Cl. 369-45.000.

Baasner, Bernd; Berg, Klaus D.; and Grigo, Ulrich, to Bayer Aktiengesellschaft. Fluorinated alkylamidosulphonates, their preparation, their use as flame retardants, and polycarbonate moulding compositions containing them. 4,826,634, 5-2-89, Cl. 260-513.600.

Baasner, Bernd; Klausener, Alexander; and Ooms, Pieter, to Bayer Aktiengesellschaft. Flourine-containing 5-trihalogenomethyl-isoxazoles and a process for their preparation. 4,888,430, 12-19-89, Cl. 548-247.000.

Baasner, Bernd: *See*—

Hagemann, Hermann; and Baasner, Bernd, 4,837,369, Cl. 570-160.000.

Ooms, Pieter; Klausener, Alexander; Baasner, Bernd; Becker, Benedikt; Behrenz, Wolfgang; and Homeyer, Bernhard, 4,868,198, Cl. 514-406.000.

Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Moriya, Koichi; and Baasner, Bernd, 4,812,454, Cl. 514-256.000.

Baatz, Henning; and Methling, Dieter, to GNS Gesellschaft Fur Nuklear-Service MBH. Apparatus and method for transferring a radioactive object from one container to another. 4,866,286, 9-12-89, Cl. 250-507.100.

Baba, Akira; Okiura, Kunio; and Fujiwara, Naoki, to Babcock-Hitachi Kabushiki Kaisha. Pulverized coal firing method and equipment therefor. 4,885,999, 12-12-89, Cl. 110-186.000.

Baba, Fujio: *See*—

Takeuchi, Kunihiko; Baba, Fujio; and Shimomura, Yasuo, 4,855,729, Cl. 340-825.050.

Baba, Fumiaki, to Mitsubishi Denki Kabushiki Kaisha. Method for manufacturing speaker vibration member. 4,880,591, 11-14-89, Cl. 264-327.000.

Baba, Fumiaki: *See*—

Yamamoto, Koichi; and Baba, Fumiaki, 4,831,900, Cl. 74-869.000.

Baba, Hideki; Maeda, Hirokazu; Kurooka, Akira; and Nago, Atsushi, to Fuji Oil Company, Limited. Fractionated soft laurin fat and food containing the same. 4,861,611, 8-29-89, Cl. 426-601.000.

Baba, Hideki: *See*—

Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Baba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanegae, Junji, 4,882,192, Cl. 426-607.000.

Tashiro, Yoichi; Baba, Hideki; Obatake, Kohei; Sakka, Hiroshi; and Sohara, Ichiro, 4,855,157, Cl. 426-609.000.

Baba, Hidetoshi, to NGK Spar Plug Co., Ltd. High-toughness ceramic tool materials. 4,801,564, 1-31-89, Cl. 501-92.000.

Baba, Hiromitsu: *See*—

Ohshima, Eiji; Kumagai, Takao; and Baba, Hiromitsu, 4,796,115, Cl. 360-85.000.

Baba, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Magnetic disk device having compensation for dimensional change. 4,827,362, 5-2-89, Cl. 360-77.040.

Baba, Hiroshi: *See*—

Kakuda, Masatoshi; Kawamura, Chiaki; and Baba, Hiroshi, 4,831,475, Cl. 360-97.030.

Baba, Hisashi: *See*—

Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.

Baba, Hisatoshi; Imokawa, Naoki; and Shiho, Makoto, to Canon Kabushiki Kaisha. Magnetic field generator having a plurality of coils for generating magnetic field in substantially the same space and method of driving the same. 4,841,407, 6-20-89, Cl. 361-146.000.

Baba, Hisatoshi, to Canon Kabushiki Kaisha. Tracking control apparatus. 4,858,214, 8-15-89, Cl. 369-32.000.

Baba, Isao; Kondo, Takeo; Yanagisawa, Leiichi; and Kohguchi, Kenji, to Tokyo Shibaura Denki Kabushiki Kaisha. Input protection device for C-MOS device. 4,872,045, 10-3-89, Cl. 357-13.000.

Baba, Isao: *See*—

Komatsu, Masato; Baba, Isao; Narukawa, Kiyotada; Yamamoto, Noboru; and Kanai, Tsuyoshi, 4,801,651, Cl. 525-195.000.

Komatsu, Masato; Baba, Isao; and Yamamoto, Noboru, 4,871,796, Cl. 524-474.000.

Komatsu, Masato; Baba, Isao; Mikami, Takashi; Narukawa, Kiyotada; and Kanai, Tsuyoshi, 4,873,288, Cl. 525-194.000.

Baba, Kazuyuki, to Mitsubishi Denki Kabushiki Kaisha. Information storage system. 4,807,122, 2-21-89, Cl. 364-200.000.

Baba, Keitaro; and Yagi, Yoshitaka, to Sumitomo Heavy Industries, Ltd. Bucket elevator-type continuous unloader. 4,830,177, 5-16-89, Cl. 198-509.000.

Baba, Kenichi: *See*—

Yamaya, Norimasa; Koga, Nobuhito; and Baba, Kenichi, 4,816,516, Cl. 525-180.000.

Yamaya, Norimasa; Koga, Nobuhito; and Baba, Kenichi, 4,847,311, Cl. 524-413.000.

Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, to Hitachi Engineering Co., Ltd.; and Hitachi, Ltd. Apparatus for monitoring the toxicant contamination of water by using aquatic animals. 4,888,703, 12-19-89, Cl. 364-496.000.

Baba, Kiyokazu, to Kabushiki Kaisha Komatsu Seisakusho. Work indexing mechanism with a height adjustment for a pair of transfer bars. 4,804,080, 2-14-89, Cl. 198-621.000.

Baba, Kiyokazu, to Kabushiki Kaisha Komatsu Seisakusho. Sheet material positioning apparatus. 4,838,538, 6-13-89, Cl. 271-238.000.

Baba, Masaharu: *See*—

Kimura, Mitsutoshi; and Baba, Masaharu, 4,886,961, Cl. 250-205.000.

Baba, Masao: *See*—

Kita, Yuichi; Nakagawa, Koichi; Sakamoto, Kentaro; Fukui, Akio; Baba, Masao; and Nakagawa, Yoichi, 4,851,547, Cl. 548-548.000.

Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Watanabe, Shigeomi, to Nissan Chemical Industries, Ltd. Herbicidal pyrazole derivatives. 4,885,022, 12-5-89, Cl. 71-86.000.

Baba, Masatoshi: *See*—

Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, 4,837,217, Cl. 514-252.000.

Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,874,861, Cl. 544-229.000.

Taniguchi, Masakazu; Hirose, Masayoshi; Baba, Masatoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,877,787, Cl. 514-247.000.

Baba, Mitsuru, to Yamaha Corporation. Electromagnetic motor without mechanical motion converter. 4,801,829, 1-31-89, Cl. 310-10.000.

Baba, Noboru: *See*—

Miura, Yuuji; and Baba, Noboru, 4,846,541, Cl. 350-96.120.

Baba, Nobuyoshi: *See*—

Sawanobori, Naruhito; Nagahama, Shinobu; and Baba, Nobuyoshi, 4,808,556, Cl. 501-44.000.

Baba, Nobuyuki: *See*—

Toei, Junichi; and Baba, Nobuyuki, 4,877,522, Cl. 210-198.200.

Baba, Norimasa: *See*—

Ogawa, Shinji; Kajikawa, Yoshiharu; Kuroyanagi, Isao; Baba, Norimasa; and Ohara, Toshio, 4,870,834, Cl. 62-197.000.

Baba, Seiichi: *See*—

Ueno, Toru; Fukuoka, Youichi; Baba, Seiichi; Miyoshi, Kaoru; and Kinoshita, Kazuto, 4,871,910, Cl. 250-560.000.

Baba, Shiro, to Hitachi, Ltd. Register bank change including register to register transfer in a data processing system. 4,833,640, 5-23-89, Cl. 364-900.000.

Baba, Shiro, to Hitachi, Ltd. Semiconductor integrated circuit device having a wiring layout to avoid intersecting between analog signal wiring layers and digital signal wiring layers. 4,875,047, 10-17-89, Cl. 341-155.000.

Baba, Shiro: *See*—

Kurakazu, Keiichi; and Baba, Shiro, 4,825,355, Cl. 364-200.000.

Sasaki, Hisao; Terada, Matsuaki; Matsui, Susumu; Kawakita, Kenji; Kashio, Jiro; Baba, Shiro; Akao, Yasushi; and Okochi, Toshio, 4,881,167, Cl. 364-200.000.

Baba, Sueki: *See*—

Tsutsui, Hiroshi; Baba, Sueki; Ohmori, Koichi; Ohtsuchi, Tetsuro; and Watanabe, Masanori, 4,883,967, Cl. 250-370.010

Baba, Susumu; Matsubara, Eigi; Iwaosa, Katsuaki; and Tanaka, Akira, to Mitsubishi Paper Mills, Ltd. Silver halide photographic emulsion. 4,818,676, 4-4-89, Cl. 430-574.000.

Baba, Susumu: *See*—

Okushima, Masao; Iwaosa, Katsuaki; Baba, Susumu; and Houjo, Tokitsugu, 4,863,843, Cl. 430-566.000.

Baba, Takashi; Niwa, Yukichi; Yoshii, Minoru; and Watanabe, Takako, to Canon Kabushiki Kaisha. Focus detecting apparatus independent of object image contrast. 4,804,831, 2-14-89, Cl. 250-201.000.

Baba, Takeshi; Suda, Shigeyuki; Nose, Noriyuki; Kawakami, Eiji; Nakajima, Toshiyuki; and Kushibiki, Nobuo, to Canon Kabushiki Kaisha. Variable-focus optical element and focus detecting device utilizing the same. 4,802,746, 2-7-89, Cl. 350-418.000.

Baba, Takeshi; and Niwa, Yukichi, to Canon Kabushiki Kaisha. Automatic focusing device. 4,872,058, 10-3-89, Cl. 358-227.000.

Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Someya, Atsushi; and Suzuki, Masayuki, to Canon Kabushiki Kaisha. Varifocal optical element. 4,872,743, 10-10-89, Cl. 350-353.000.

Baba, Takeshi: *See*—

Kushibiki, Nobuo; Nose, Noriyuki; Nakajima, Toshiyuki; Baba, Takeshi; Matsugu, Masakazu; and Niwa, Yukichi, 4,840,473, Cl. 350-484.000.

Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Baba, Takeshi; Someya, Atsushi; and Nishimura, Yukuo, 4,865,426, Cl. 350-353.000.

Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, 4,848,879, Cl. 350-353.000.

Suda, Shigeyuki; and Baba, Takeshi, 4,820,028, Cl. 350-423.000.

Baba, Tatsuro, to Kabushiki Kaisha Toshiba. Conversion control circuit for image display apparatus. 4,794,932, 1-3-89, Cl. 128-661.090.

Baba, Toru, to Kioritz Corporation. Cord cutter head. 4,805,30[illegible], 2-21-89, Cl. 30-276.000.

Baba, Toru, to Kioritz Corporation. Cord cutter head. 4,817,289, 4-4-89, Cl. 30-276.000.

Baba, Toru, to Kioritz Corporation. Cutter head for grass trimmer. 4,819,333, 4-11-89, Cl. 30-276.000.

Baba, Toru, to Kioritz Corporation. Structure of a head of a flexible filament type grass trimmer. 4,882,843, 11-28-89, Cl. 30-276.000.

Baba, Toshiki, to Alps Electric Co., Ltd. Oscillator/amplifier connecting structure. 4,882,550, 11-21-89, Cl. 331-49.000.

Baba, Toshio; Matsushita, Hajime; and Katsuragawa, Yasuji, to NGK Insulators, Ltd. Ceramic material extruding method and apparatus therefor. 4,839,120, 6-13-89, Cl. 264-102.000.

Baba, Tsutomu: *See*—

Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi, 4,853,638, Cl. 324-441.000.

Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.

Mizuno, Hiroko; Kikuchi, Makoto; Tamata, Shin; Izumida, Tatsuo; and Baba, Tsutomu, 4,804,498, Cl. 252-628.000.

Baba, Yoshihiko, to Uniden Corporation. Shield structure for circuit on circuit board. 4,831,498, 5-16-89, Cl. 361-424.000.

Baba, Yoshio; Uno, Teruo; and Yoshida, Hideo, to Sumitomo Light Metal Industries, Ltd. Aluminum alloy for structures with high electrical resistivity. 4,851,192, 7-25-89, Cl. 420-528.000.

Baba, Youichiro; Hashimoto, Hirofumi; and Watanabe, Masayuki, to Toyota Jidosha Kabushiki Kaisha. Throttle device for high viscosity paint. 4,878,649, 11-7-89, Cl. 251-121.000.

Baba, Youichiro: *See*—

Tamura, Kenji; Hashimoto, Hirofumi; Baba, Youichiro; and Inose, Sadao, 4,824,026, Cl. 239-707.000.

Baba, Yukihisa: *See*—

Hashimoto, Masashi; Oku, Teruo; Ito, Yoshikuni; Namiki, Takayuki; Sawada, Kozo; Kasahara, Chiyoshi; and Baba, Yukihisa, 4,883,800, Cl. 514-259.000.

Baba, Yutaka: *See*—

Kurono, Masayasu; Baba, Yutaka; Mitani, Takahiko; Onishi, Masao; Kondo, Yasuaki; and Sawai, Kiichi, 4,857,521, Cl. 514-206.000.

Babacz, William A.: *See*—

Zeuner, Kenneth W.; Zeuner, Thomas A.; Broschard, Donald C.; and Babacz, William A., 4,822,222, Cl. 410-29.100.

Babaian, Eduard A.; Gerasimova, Galina A.; Davydov, Anatoly B.; Utyamyshev, Rustam I.; Khromov, Gennady L.; Meteiitsa, Vladimir I.; Vikhert, Anatoly M.; Savvateev, Konstantin L.; Piotrovsky, Vladimir K.; and Novikova, Elizaveta B., to Vsesojuzny Kardiologichesky Nauchny Tsentr Akademii Meditsinskiki Nauk SSR. Antianginal plate for treating ischemic heart disease. 4,842,854, 6-27-89, Cl. 424-81.000.

Babano, Sotoaki: *See*—

Ueda, Hideki; and Babano, Sotoaki, 4,853,972, Cl. 455-83.000.

Babayan, Vigen K.; Blackburn, George L.; and Bistrian, Bruce R. Triglyceride preparations for the prevention of catabolism. 4,847,296, 7-11-89, Cl. 514-552.000.

Babayan, Vigen K.: *See*—

Bistrian, Bruce R.; Babayan, Vigen K.; and Blackburn, George L., 4,810,726, Cl. 514-552.000.

Bistrian, Bruce R.; Babayan, Vigen K.; Blackburn, George L.; and Mascioli, Edward A., 4,871,768, Cl. 514-547.000.

Mascioli, Edward A.; Blackburn, George L.; Bistrian, Bruce R.; and Babayan, Vigen K., 4,820,731, Cl. 514-549.000.

Babb, Bruce: *See*—

Sundberg, Michael W.; Babb, Bruce; and McClune, Gregory, 4,803,157, Cl. 435-21.000.

Babb, Bruce E.; Belly, Robert T.; and Mura, Albert J., to Eastman Kodak Company. Biological and analytical uses of phenalenone and benzphenalenone compounds. 4,803,161, 2-7-89, Cl. 435-29.000.

Babb, Bruce E.; Belly, Robert T.; and Scensny, Patricia M., to Eastman Kodak Company. Hydrolyzable fluorescent substrates and analytical determinations using same. 4,812,409, 3-14-89, Cl. 435-7.000.

Babb, Bruce E.: *See*—

Toner, John L.; Murray, Bruce J.; Babb, Bruce E.; and Sundberg, Michael W., 4,795,712, Cl. 436-74.000.

Babb, Larry F.; and Rutkowski, Michael J., to Emerson Electric Co. Nipple chuck. 4,795,175, 1-3-89, Cl. 279-1.00A.

Babbitt, Richard W.: *See*—

Stern, Richard A.; and Babbitt, Richard W., 4,806,886, Cl. 333-24.200.

Stern, Richard A.; and Babbitt, Richard W., 4,816,787, Cl. 333-158.000.

Stern, Richard A.; and Babbitt, Richard W., 4,839,659, Cl. 343-700.0MS.

Stern, Richard A.; and Babbitt, Richard W., 4,845,449, Cl. 333-258.000.

Stern, Richard A.; and Babbitt, Richard W., 4,862,117, Cl. 333-1.100.

Stern, Richard A.; and Babbitt, Richard W., 4,879,562, Cl. 343-700.0MS.

Stern, Richard A.; and Babbitt, Richard W., 4,881,052, Cl. 333-24.100.

Stern, Richard A.; and Babbitt, Richard W., 4,887,054, Cl. 333-158.000.

Babbitt, Thomas J.: *See*—

Lerner, Irwin S.; and Babbitt, Thomas J., 4,838,423, Cl. 206-454.000.

Babbs, Charles F.: *See*—

Bourland, Joe D.; Babbs, Charles F.; Geddes, Leslie A.; Tacker, Willis A., Jr.; and Graber, George P., 4,827,761, Cl. 73-172.000.

Geddes, Leslie A.; Babbs, Charles F.; Voorhees, William D., III; and Bourland, Joe D., 4,827,935, Cl. 128-419.00G.

Babcock, Bryce W., to Federal-Mogul Corporation. Clutch release bearing assembly including a double-acting sliding bore sleeve. 4,808,015, 2-28-89, Cl. 384-609.000.

Babcock-BSH Aktiengesellschaft: *See*—

Kriefall, Horst; Rohrbach, Helmut; and Fischer, Siegfried, 4,824,092, Cl. 271-183.000.

Babcock BSH Aktiengesellschaft vormals Buttner-Schilde-Haas AG: *See*—

Krautzberger, Dieter, 4,850,406, Cl. 144-230.000.

Roos, Friedrich; Brod, Peter; and Moller, Wilfried, 4,831,747, Cl. 34-54.000.

Babcock, Clarence O.; and Schneider, George J., to United States of America, Interior. Gauge for in situ measurement of borehole diameter. 4,852,262, 8-1-89, Cl. 33-178.00F.

Babcock, Douglas M., to CIMM, Inc. System for configuring, automating and controlling the test and repair of printed circuit boards. 4,845,843, 7-11-89, Cl. 29-829.000.

Babcock, Douglas M.: *See*—

Matrone, John L.; Stamp, Ronald L.; and Babcock, Douglas M., 4,850,104, Cl. 29-829.000.

Babcock, H. Nash; and Holub, Edward P., to Nomix Corporation. Methods for forming shapes or blocks of no mix cements. 4,839,115, 6-13-89, Cl. 264-42.000.

Babcock-Hitachi Kabushiki Kaisha: *See*—

Baba, Akira; Okiura, Kunio; and Fujiwara, Naoki, 4,885,999, Cl. 110-186.000.

Fukayama, Yukio; and Kuramoto, Atsushi, 4,841,918, Cl. 122-406.0ST.

Fukayama, Yukio; Oshima, Taku; and Kawano, Shigeyoshi, 4,888,953, Cl. 60-657.000.

Hori, Katsuyoshi; Myoga, Toshiharu; Shinomiya, Miharu; Watanabe, Eiji; Kusano, Kazuki; Takuwa, Toshiaki; and Hafuri, Miharu, 4,801,781, Cl. 219-137.710.

Ishiguro, Okikazu; Nishimura, Masakatsu; Nozawa, Shigeru; Kamogawa, Hiromi; and Kawano, Shigeyoshi, 4,836,991, Cl. 423-242.000.

Kato, Yasuyoshi, Konishi, Kunihiko; Matsuda, Toshiaki; Ito, Meiji; Kamiguchi, Taiji; Teshima, Nobue; and Akama, Hiroshi, 4,798,813, Cl. 502-60.000.

Masai, Tadahisa; Morita, Shigeki; and Nakashita, Shigeto, 4,807,541, Cl. 110-262.000.

Michimoto, Takashi; Kudo, Saburo; Kuwada, Kazuhiko; and Ishida, Nobuyoshi, 4,881,883, Cl. 425-89.000.

Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.

Naito, Shinji; Tsuchita, Kenji; Ichikawa, Yoshiaki; Sato, Chikara; and Kajiyama, Shigeru, 4,828,059, Cl. 180-119.000.

Okada, Osamu; Morita, Shigeki; Nakashita, Shigeto; Masai, Tadahisa; Tominaga, Shigeru; and Inada, Hiroshi, 4,881,474, Cl. 110-263.000.

Sakamoto, Koya; Yoneda, Yutaka; Fujiwara, Naoki; and Takamoto, Shigehito, 4,828,486, Cl. 431-170.000.

Shigenaka, Toshinori; and Kusaka, Iwao, 4,799,461, Cl. 122-7.00R.

Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.

Wada, Toshimichi; Kuroda, Hiroshi; Ishikawa, Tomihisa; and Mori, Yoshimichi, 4,820,492, Cl. 422-111.000.

Yamada, Mutsuo; Kamiguchi, Taiji; Tanimoto, Hirotoshi; Arikawa, Yoshijiro; Kaku, Hiroyuki; and Takamoto, Shigehito, 4,806,692, Cl. 568-401.000.

Babcock Industries Inc.: *See*—

Baumgarten, John M., 4,798,100, Cl. 74-501.50R.

Chaczyk, Adam W.; and Brown, Kelvin T., 4,887,930, Cl. 403-379.000.

Lichtenberg, Norman B.; Sponseller, Harold P.; and Totten, Jeffrey E., 4,854,185, Cl. 74-501.50R.

Martell, David R., 4,884,467, Cl. 74-501.50R.

Newman, Gordon A.; and Gilmore, William J., 4,854,193, Cl. 74-850.000.

Thompson, James A., 4,824,232, Cl. 350-633.000.

Babcock, James L.; and McGlasson, David L., to United States of America, Air Force. Treatment of human plasma with brown recluse spider toxin to emulate a lupus anticoagulant. 4,877,741, 10-31-89, Cl. 436-8.000

Babcock, Jon A.: *See*—

Pupillo, Andrew; and Babcock, Jon A., 4,836,500, Cl. 251-306.000.

Babcock, Michael: *See*—

Livingston, Mark L.; and Babcock, Michael, 4,802,344, Cl. 62-372.000.

Babcock Textilmaschinen GmbH: *See*—

Tischbein, Claus, 4,829,791, Cl. 68-22.00R.

Babcock, Walter C.; and Friesen, Dwayne T., to Bend Research, Inc. Selective ion-complexing media for the removal of metal-ion contaminants from plating baths. 4,876,287, 10-24-89, Cl. 521-28.000.

Babcock, Walter C.: *See*—

Friesen, Dwayne T.; and Babcock, Walter C., 4,883,593, Cl. 210-500.320.

Babcock, Warner K.; and Ruefenacht, David A., to Construction Products Research, Inc. Utilization of latexes with aluminous cement and gypsum composition. 4,849,018, 7-18-89, Cl. 106-104.000.

Babcock & Wilcox Company, The: *See*—

Abromaitis, Andre T.; and Keyes, Marion A., IV, 4,803,052, Cl. 422-91.000.

Attix, Douglas J.; Kelly, Michael J.; Mason, Fred L.; and Stinnett, Carlton E., 4,842,809, Cl. 376-261.000.

Bailey, Ralph T.; Myers, Robert B.; and Vetterick, Richard C., 4,819,878, Cl. 239-427.000.

Bailey, Ralph T.; Modrak, Thomas M.; and Womack, Edgar A., Jr., 4,825,706, Cl. 73-861.050.

Barnes, Christine B.; Martin, Thomas E.; and Nardis, Frank E., 4,821,760, Cl. 137-82.000.

Barnett, Daniel C.; and Hall, George R., II, 4,799,394, Cl. 73-864.810.

Baty, David L.; Young, William C.; and Lewis, David E., 4,849,082, Cl. 204-192.310.

Berthold, John W.; and Carter, H. Randy, 4,843,234, Cl. 250-227.000.

Book, Theodore L., Sr., 4,853,175, Cl. 376-216.000.

Carter, Hudson R.; and Upperman, Eugene T., 4,887,453, Cl. 73-1.00R.

Chappell, Robert E., 4,813,759, Cl. 350-96.160.

Colin, Joseph F.; Kaercher, Leo T.; and Roberts, Charles D., 4,798,368, Cl. 266-259.000.

Colin, Joseph F.; Kaercher, Leo T.; and Roberts, Charles D., 4,861,394, Cl. 148-153.000.

Cooper, Marshall H., 4,835,108, Cl. 436-137.000.

Coulter, John E.; Evans, Robert S.; and Robertson, Michael O., 4,858,462, Cl. 73-40.50A.

Cygnarowicz, Robert M.; Lazar, Arthur J.; and Patella, Joseph G., 4,847,793, Cl. 364-570.000.

Daum, Edward D.; Downs, William; Jankura, Bryan J.; and McCoury, John M., Jr., 4,856,352, Cl. 73-863.250.

Dickson, Edwin J., 4,802,425, Cl. 110-336.000.

Domian, Henry A.; LaCount, Dale F.; Miller, Alex S.; and Seibert, Kenneth D., 4,840,768, Cl. 420-582.000.

Downs, William, 4,888,158, Cl. 423-242.000.

Doyle, John B., 4,871,522, Cl. 423-239.000.

Doyle, Thomas E.; and Ryan, Patrick M., 4,857,694, Cl. 219-76.120.

Dziubakowski, Donald J.; Keyes, Marion A., IV; and Shaffer, Jeremiah J., 4,861,233, Cl. 417-201.000.

Evans, Robert S.; Latham, Wayne M.; Powers, Thomas; and Robertson, Michael O., 4,859,943, Cl. 324-216.000.

Fasnacht, Floyd A., Jr.; Hacker, Michael G.; Lindsey, Orville L.; and Smentek, Thomas J., 4,868,798, Cl. 367-104.000.

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Fry, John J.; and Smith, Robert A., 4,837,501, Cl. 324-62.000.

Fry, John J.; Robertson, John W., Jr.; and Bastijanic, Edward, 4,875,000, Cl. 318-798.000.

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Heilman, Thomas R.; and Norris, David M., 4,866,596, Cl. 364-184.000.

Heilman, Thomas R.; and Norris, David M., 4,885,677, Cl. 364-184.000.

Jewett, Scotty Y.; Robertson, John W., Jr.; and Woolbert, Gordon D., 4,846,410, Cl. 241-31.000.

Keyes, Marion A., IV; and Thompson, William L., 4,834,473, Cl. 350-3.600.

Kim, Raymond K., 4,830,287, Cl. 241-19.000.

Klahn, Francis C.; Werner, Charles E.; and Fasnacht, Floyd A., Jr., 4,804,038, Cl. 165-11.200.

LaRue, Albert D., 4,836,772, Cl. 431-285.000.

Lieb, Carl; and Mullinax, Jerry L., 4,864,973, Cl. 122-510.000.

Mayer, Dean L., 4,854,148, Cl. 72-68.000.

McDonald, Dennis K.; and McCoy, Bernard M., 4,848,452, Cl. 165-178.000.

McDonald, Dennis K.; Weitzel, Paul S.; and McCoy, Bernard M., 4,864,969, Cl. 122-4.00D.

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Nuspl, Steven P.; Szmania, Edmund P.; Kleppe, John A.; and Norton, Peter R., 4,848,924, Cl. 374-119.000.

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Sherrick, Ronald E.; Ackerman, Dean C.; Draxton, Dean E.; Matthews, John C.; Smith, Don W.; and Stevens, John G., 4,803,959, Cl. 122-379.000.

Skuratovsky, Eugene; and Knudsen, James K., 4,871,908, Cl. 250-227.000.

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Weber, Lee A.; and Machesky, Frank, 4,844,413, Cl. 251-314.000.

Wolfe, William C.; and Weidman, George H., 4,832,539, Cl. 406-181.000.

Womack, Edgar A., Jr.; and Ayres, Paul S., 4,845,308, Cl. 174-15.400.

Woolbert, Gordon D.; Jewett, Scotty Y.; and Robertson, John W., Jr., 4,852,384, Cl. 73-1.00G.

Babel, Bernard; Josserand, Joseph; and Gambin, Remi, to Charmilles Technologies S.A. Device for injection of liquid for machining by electroerosion. 4,814,574, 3-21-89, Cl. 219-69.00W.

Babel, Bernard: *See—*

Mamin, Pierre-Alexandre; Babel, Bernard; and Balleys, Francois, 4,883,934, Cl. 219-69.120.

Babel, Werner; and Hoppe, Gerd, to MAHO Aktiengesellschaft. Tool changing device for program-controlled universal milling and drilling machines. 4,831,714, 5-23-89, Cl. 29-568.000.

Babel, Werner, to MAHO Aktiengesellschaft. Mechanism for angularly positioning a work spindle. 4,832,545, 5-23-89, Cl. 409-218.000.

Babel, Werner, to MAHO Aktiengesellschaft. Tool magazine. 4,835,837, 6-6-89, Cl. 29-568.000.

Babel, William R.: *See—*

Terpstra, Larry J.; and Babel, William R., 4,888,540, Cl. 318-689.000.

Babendererde, Siegmund; Lah, Gunnar; and Braach, Otto, to Hochtief Aktiengesellschaft Vorm. Gebr. Helfmann. Process for continuously lining a tunnel with extruded concrete. 4,820,458, 4-11-89, Cl. 264-34.000.

Babendererde, Siegmund; and Braach, Otto, to Hochtief Aktiengesellschaft vorm. Gebr. Helfmann. Earth pressure shield. 4,844,656, 7-4-89, Cl. 405-144.000.

Babendererde, Siegmund; Flunker, Hans-Jurgen; Wittneben, Gert; and Braach, Otto, to Hochtief Aktiengesellschaft vorm. Gebr. Helfmann. Earth pressure shield. 4,848,963, 7-18-89, Cl. 405-144.000.

Babendererde, Siegmund: *See—*

Hentschel, Volker; Versteegen, Clemens; Mahmens, Olaf; and Babendererde, Siegmund, 4,854,776, Cl. 405-147.000.

Hentschel, Volker; Versteegen, Clemens; Gloyer, Jens; and Babendererde, Siegmund, 4,856,936, Cl. 405-145.000.

Babiak, Theodore P.: *See—*

McFeaters, Richard R.; Koppa, Daniel A.; and Babiak, Theodore P., 4,865,862, Cl. 426-496.000.

Babian, Fred E.: *See—*

Tsai, Bin-ming B.; and Babian, Fred E., 4,845,558, Cl. 358-106.000.

Babik, Peter: *See—*

Lindenthal, Hans; and Babik, Peter, 4,834,692, Cl. 464-136.000.

Babikian, Sarkis S., to Babikian, Sarkis S. Air tube protected by belts. 4,843,992, 7-4-89, Cl. 114-69.000.

Babilius, Algis P. J.: *See—*

Clayton, Wilson A.; and Babilius, Algis P. J., 4,797,774, Cl. 361-86.000.

Babine, Robert; and Lee, Ving J., to American Cyanamid Company. 3-[2-thiazoloamino]-8-oxo-7-substituted-5-thia-1-azabicyclo-[4.2.0]oct-2-ene-2-carboxylic acid and salts thereof and diphenylmethyl esters thereof. 4,800,199, 1-24-89, Cl. 514-202.000.

Babine, Robert; Curran, William V.; and Lee, Ving J., to American Cyanamid Company. 3-substituted-8-oxo-7-substituted-thioxomethylamino-5-thia-1-azabicyclo-(4.2.0)oct-2-ene-2-carboxylic acid and diphenylmethyl esters. 4,866,169, 9-12-89, Cl. 540-226.000.

Babineau, James W.: *See—*

Zuraski, Jeffery A.; Pawlak, Andrzej M.; Graber, David W.; and Babineau, James W., 4,871,040, Cl. 180-142.000.

Babinec, Susan J.; and Rickle, Greg K., to Dow Chemical Company. Novel catalytic electrically coducting polymeric articles. 4,867,90 9-19-89, Cl. 252-518.000.

Babirad, Stefan A.; Bacon, Fredrick; Heilmann, Steven M.; Krepsk Larry R.; Kuczma, Andrew S.; and Rasmussen, Jerald K., to Minnesota Mining and Manufacturing Company. Silyl 2-amidoacetate and silyl 3-amidopropionate compositions and optical fiber made therefrom. 4,852,969, 8-1-89, Cl. 350-96.340.

Babish, Richard: *See—*

Dunavan, David S.; and Babish, Richard, 4,806,747, Cl. 25 203.00R.

Babitsky, Vladimir I.; Gerts, Mikhail E.; Ivanov, Jury A.; Maioro Vladimir S.; Makarov, Nikolai S.; and Tresvyatsky, Alexandr N., t Institute Mashinovedenia im A.A. Blagonravova an SSSR; and Nauchno-Issledovatelsky Tsentr Po Tekhnologicheskim Lazeram a SSSR. Scanner for industrial laser machines. 4,795,878, 1-3-89, Cl. 219-121.800.

Babjak, John R.: *See—*

Shalati, Mohamad D.; Marquart, James A.; Babjak, John R.; and Harris, Rodney M., 4,859,758, Cl. 527-313.000.

Babler, Egon S., to Xerox Corporation. Print wheel with self-contained means for print wheel alignment. 4,810,114, 3-7-89, Cl. 400-144.20

Babler, Fridolin, to Ciba-Geigy Corporation. Process for the preparation and conditioning or organic pigments. 4,801,702, 1-31-89, Cl. 540-144.000.

Babler, Fridolin: *See—*

Jaffe, Edward E.; and Babler, Fridolin, 4,810,304, Cl. 106-494.00

Babler, Scott D.; Baram, Peter; Rudolph, Paul H.; and Waxman, Fran J., to Xytronyx, Inc. Method for detection of periodontal disease 4,801,535, 1-31-89, Cl. 435-16.000.

Babock & Wilcox Company, The: *See—*

Doyle, Thomas E.; Edmonds, David P.; McAninch, Michael D. and Ryan, Patrick M., 4,842,186, Cl. 228-222.000.

Babow, David A., to AMP Incorporated. Molded circuit board for ribbon cable connector. 4,871,319, 10-3-89, Cl. 439-77.000.

Babsch, Alfred; Gruener, Manfred; and Stein, Jutta, to Mannesmann AG. Inclined writing by means of matrix printer. 4,818,127, 4-4-8 Cl. 400-121.000.

Babsch, Alfred; Beth, Dieter; Panzer, Werner; and Stempfle, Johann, to Mannesmann AG. Electro optical transducer utilizing aligned light conductors. 4,827,124, 5-2-89, Cl. 250-231.0SE.

Babsch, Alfred; and Fromme, Lorenz, to Mannesmann AG. Operat panel for printers. 4,836,699, 6-6-89, Cl. 400-479.000.

Babson, Edward; Brophy, Thomas G.; and Marcangelo, Steven, to Porter Sewing Machines, Inc. Method and apparatus for guiding fabric to a sewing machine. 4,825,787, 5-2-89, Cl. 112-262.300.

Babu, Srinivasan: *See—*

Larok, Richard C.; and Babu, Srinivasan, 4,868,304, C 546-141.000.

Babu, Suryadevara V.; Bui, Vu Q.; Hoffarth, Joseph G.; and Wol John A., to International Business Machines Corporation. Interlaminate adhesion between polymeric materials and electrolytic copper surfaces. 4,810,326, 3-7-89, Cl. 156-629.000.

Babuder, Gerald A.; and Weigl, Jeffrey L., to Cajon Company. Flu coupling. 4,838,583, 6-13-89, Cl. 285-354.000.

Babuin, Piero; and Colautti, Roberto, to Industrie Zanussi S.p.A. Wa ing liquid filter in a laundry washing machine. 4,833,900, 5-30-89, C 68-18.00F.

Babuka, Robert; Fiacco, Vincent M.; and Piechota, John L. Ze insertion force connector with component card. 4,863,395, 9-5-89, C 439-260.000.

Babuka, Robert; and Petrozello, James R., to International Business Machines Corp. Electrical connector with torsional contacts. 4,872,851, 10-10-89, Cl. 439-267.000.

Babulak, Stephen W.: *See—*

Simion, Frederick A.; Rhein, Linda D.; Blake-Haskins, John C.; Babulak, Stephen W.; and Cantore, Robert V., 4,828,750, Cl. 252-142.000.

Babyak, Mark R., to Elliott Turbomachinery Co., Inc. Compressor seal oil degassing tank vent gas recovery by method of level control. 4,880,449, 11-14-89, Cl. 55-170.000.

Babyak, Richard M.: *See—*

Dulin, Thomas G.; Bass, Eric; and Babyak, Richard M., 4,840,591, Cl. 441-106.000.

Baca, Oswald G.: *See—*

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Bacaner, Marvin B.: *See—*

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Bacardit, Juan S., to Bendix Espana S.A. Variable rate shock absorber. 4,832,162, 5-23-89, Cl. 188-299.000.

Baccalaro, Valter; and Beccaris, Carlo, to Valeo. Pre-assembled automotive clutch cover assembly. 4,817,775, 4-4-89, Cl. 192-89.00B.

Baccaro, Mario, to O.M.S.I. s.a.s. di Baccaro Vincenzo & C. Reclining angle folding chair. 4,861,100, 8-29-89, Cl. 297-19.000.

Bacchio, Giovanni, to Fonderie Officine Riunite F.O.R. Ing. Graziano di L. Graziano & C. S.A.S. Roll carding unit. 4,817,246, 4-4-89, Cl. 19-98.000.

Bace, Jiri : *See—*

Burysek, Frantisek; Sloupensky, Jiri; Boucek, Miroslav; Hortlik, Frantisek; Bace, Jiri ; Silar, Zdenek; and Kutlvasr, Jiri, 4,821,502, Cl. 57-263.000.

Bacehowski, David V.; Bilstad, Arnold C.; Huehls, Patrick N.; Kaufman, Stephen B.; and Miripol, Jeffrey E., to Baxter International Inc. Set with attachable sample cell. 4,846,005, 7-11-89, Cl. 73-864.810.

Bacehowski, David V.: *See—*

Cerny, David E.; Bacehowski, David V.; and Foley, John T., 4,807,676, Cl. 141-98.000.

Kaufman, Stephen B.; Patterson, Robert; Bacehowski, David V.; Bilstad, Arnold C.; and Huehls, Patrick N., 4,820,297, Cl. 604-409.000.

Pattillo, Martha C.; Bacehowski, David V.; Bilstad, Arnold C.; Cullis, Herbert M.; Dennehey, T. Michael; Yang, James W.; and Brown, William C., 4,829,002, Cl. 435-284.000.

Bach, David T., to Amoco Corporation. System for radiation detection using a graded index optic element. 4,853,547, 8-1-89, Cl. 250-458.100.

Bach, David T., to Amoco Corporation. Ellipsoidal cylinder fluorescence analyzer. 4,861,163, 8-29-89, Cl. 356-417.000.

Bach, David T., to Amoco Corporation. Liquid/liquid fiber-optic fluorescence detector and absorbance analyzer. 4,867,559, 9-19-89, Cl. 356-73.000.

Bach, David T.: *See—*

Richards, James C.; and Bach, David T., 4,847,193, Cl. 435-6.000.

Bach, Eric: *See—*

Durrer, Rudolph; Priessner, Hilmar; and Bach, Eric, 4,802,585, Cl. 206-449.000.

Bach, Erik, to Interlego A.G. Wheel bearing, in particular for toy vehicles. 4,854,742, 8-8-89, Cl. 384-129.000.

Bach, Glenn W.: *See—*

Davis, Jeffrey A.; Bach, Glenn W.; Cottrell, Don M.; and Lilly, Roger A., 4,813,761, Cl. 350-162.150.

Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Konkol, Werner; and Wiebus, Ernst, to Ruhrchemie Aktiengesellschaft. Rhodium catalysts and methods of preparation and use thereof. 4,795,727, 1-3-89, Cl. 502-161.000.

Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Diekhaus, Gehard; Konkol, Werner; and Wiebus, Ernst, to Ruhrchemie Aktiengesellschaft. Hydroformylation process. 4,801,754, 1-31-89, Cl. 568-454.000.

Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Hahn, Heinz-Dieter; Konkol, Werner; and Wiebus, Ernst, to Ruhrchemie Aktiengesellschaft. Hydroformylation process. 4,808,758, 2-28-89, Cl. 568-454.000.

Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Gick, Wilhelm; Heim, Volker; Konkol, Werner; and Wiebus, Ernst, to Hoechst Aktiengesellschaft. Process for the preparation of aloehydes. 4,879,418, 11-7-89, Cl. 568-454.000.

Bach, Hanswilhelm: *See—*

Cornils, Boy; Konkol, Werner; Bach, Hanswilhelm; Gick, Wilhelm; Wiebus, Ernst; Bahrmann, Helmut; and Hahn, Heinz-Dieter, 4,808,757, Cl. 568-454.000.

Bach, Hartwig C., to Monsanto Company. Acrylic fibers having superior abrasion/fatigue resistance. 4,873,142, 10-10-89, Cl. 428-359.000.

Bach, Helmut, to BASF Aktiengesellschaft. Aftertreatment of relief plates using solution comprising a carboxylic acid and a bromide. 4,845,013, 7-4-89, Cl. 430-309.000.

Bach, Helmut: *See—*

Koch, Horst; Bach, Helmut; and Jaeckel, Klaus-Peter, 4,869,997, Cl. 430-300.000.

Bach, Nicholas J.: *See—*

Lagazza, Bennett C.; Nichols, Cynthia L.; and Bach, Nicholas J., 4,801,712, Cl. 546-67.000.

Bach, Otto: *See—*

Hormann, Michael; and Bach, Otto, 4,844,746, Cl. 148-2.000.

Bach, Stanley M., Jr., to Cardiac Pacemakers, Inc. Biphasic pulse generator for an implantable defibrillator. 4,850,357, 7-25-89, Cl. 128-419.00D.

Bach, Stanley M., Jr.: *See—*

Shapland, J. Edward; and Bach, Stanley M., Jr., 4,817,608, Cl. 128-419.00P.

Bach, Uwe: *See—*

Weiler, Rolf; Bach, Uwe; Kirst, Thomas H.; and Paschke, Klaus, 4,807,725, Cl. 188-71.800.

Bachalo, William D., to Aerometrics, Inc. Method and apparatus to determine the size and velocity of particles using light scatter detection from confocal beams. 4,854,705, 8-8-89, Cl. 356-336.000.

Bachand, George M.; Vignaud, Jean-Claude; and Juery, Gerard, to La Telemecanique Electrique. Proximity detector, with adjustable orientation of its head. 4,869,119, 9-26-89, Cl. 73-866.500.

Bache, Richard A. C.: *See—*

Pedder, David J.; Watson, Paul; and Bache, Richard A. C., 4,847,500, Cl. 250-338.300.

Bachel, Ernst: *See—*

Kunze, Dieter; and Bachel, Ernst, 4,865,893, Cl. 428-36.900.

Pichler, Klaus; and Bachel, Ernst, 4,845,314, Cl. 174-92.000.

Bachelard, Roland; and Joubert, Philippe, to Atochem. Metal carbide and nitride powders. 4,851,203, 7-25-89, Cl. 423-290.000.

Bachelard, Roland; and Germanaz, Patrick, to Comurhex Societe pour la Conversion de l'Uranium en Metal et Hexafluorure. Process for producing sintered mixed oxides which are soluble in nitric acid from solutions of nitrates. 4,871,479, 10-3-89, Cl. 252-636.000.

Bachelder, Walter F.; Frankel, Maurice; and Fiore, Peter, to Testing Machines Inc. Apparatus and process for impact testing of plastics. 4,802,366, 2-7-89, Cl. 73-799.000.

Bachem Feinchemikalien A.G.: *See—*

Mergler, Monika; Gosteli, Jacques; and Grogg, Peter, 4,831,084, Cl. 525-333.400.

Bachem, Henning; Muszik, Janos; Schroer, Wolf-Dieter; and Suling, Carlhans, to Bayer Aktiengesellschaft. Nitrogen-containing water-soluble compounds. 4,857,586, 8-15-89, Cl. 524-845.000.

Bacherot, Joel: *See—*

Rio, Michel; Iltis, Claude; Louis, Herve; Ruffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.

Bachert, Richard L.: *See—*

Jaffari, Mark D.; Mahar, Jeffrey T.; and Bachert, Richard L., 4,835,309, Cl. 562-554.000.

Bachhofer, Bruno; and Locher, Anton. System for treating water with ozone. 4,798,669, 1-17-89, Cl. 210-109.000.

Bachhofer, Bruno; and Locher, Anton. Ozone generator employing plate-shaped high-voltage electrodes. 4,818,498, 4-4-89, Cl. 422-186.200.

Bachhuber, Anton; and Proske, Arnost, to Siemens Aktiengesellschaft. Electronic locking system having a lock and a method for re-synchronization. 4,825,210, 4-25-89, Cl. 340-825.310.

Bachinger, Peter; and Giancarlo, Mondini, to Maschinenfabrik Rieter AG. Method and apparatus for forming a wadding lap. 4,809,920, 3-7-89, Cl. 242-55.100.

Bachinski, Robert A., to United Technologies Corporation. High speed rotor balance system. 4,803,893, 2-14-89, Cl. 74-572.000.

Bachl, Robert; Funk, Guido; Richter, Konrad; Hemmerich, Rainer; and Saive, Roland, to BASF Aktiengesellschaft. Preparation of homopolymers of ethene and copolymers of ethene with higher α-monoolefins using a Ziegler catalyst system. 4,831,090, 5-16-89, Cl. 526-116.000.

Bachl, Robert: *See—*

Warzelhan, Volker; Ball, Wolfgang; and Bachl, Robert, 4,864,005, Cl. 526-116.000.

Bachman, Bruce E.: *See—*

Aichelmann, Frederick J., Jr.; and Bachman, Bruce E., 4,845,664, Cl. 364-900.000.

Bachman, Carolyn S. Universally adjustable display apparatus. 4,869,565, 9-26-89, Cl. 312-234.000.

Bachman, Gilbert; and Heninger, Byrne E., to Dittler Brothers, Inc. Automated teller machine transaction receipts with integral promotional game. 4,817,949, 4-4-89, Cl. 273-139.000.

Bachman, Joseph L.: *See—*

Johnson, A. David, Jr.; Ginther, George E., Sr.; and Bachman, Joseph L., 4,829,747, Cl. 53-457.000.

Bachman, Wesley J.; and Stone, Steven G., to Dickey-john Corporation. Universal controller for material distribution device. 4,803,626, 2-7-89, Cl. 364-424.070.

Bachman, William E.: *See—*

Watt, Keith A.; and Bachman, William E., 4,808,458, Cl. 428-90.000.

Bachman, William R.: *See—*

Joshi, Yatindra M.; Bachman, William R.; and Jain, Nemichand B., 4,808,413, Cl. 424-458.000.

Bachmann, Henry C.: *See—*

Fraze, Ermal C.; and Bachmann, Henry C., 4,862,722, Cl. 72-336.000.

Bachmann Industries, Inc.: *See—*

Bachmann, Lothar; and Koch, William F., 4,821,507, Cl. 60-39.182.

Bachmann, Lothar, 4,832,527, Cl. 405-105.000.

Bachmann, Lothar, 4,848,803, Cl. 285-47.000.

Bachmann, John H., Jr.: *See—*

Wells, Robert R.; Van Noy, John R.; and Bachmann, John H., Jr., 4,867,433, Cl. 271-35.000.

Bachmann, Lothar. Flap gate assembly. 4,800,919, 1-31-89, Cl. 137-527.400.

Bachmann, Lothar; and Koch, William F., to Bachmann Industries, Inc. Gas flow diverter. 4,821,507, 4-18-89, Cl. 60-39.182.

Bachmann, Lothar; and Koch, William F. Dampers with leaf spring seals. 4,823,836, 4-25-89, Cl. 137-601.000.

Bachmann, Lothar, to Bachmann Industries, Inc. Vertically reciprocable gates for the control of a liquid media. 4,832,527, 5-23-89, Cl. 405-105.000.

Bachmann, Lothar, to Bachmann Industries, Inc. Fabric expansion joints for exhaust systems of gas turbines. 4,848,803, 7-18-89, Cl. 285-47.000.

Bachmann, Paul; Berges, Hanns-Peter; and Leier, Wolfgang, to Leybold Aktiengesellschaft. Filter cartridge with series elements for chemical and mechanical filtration. 4,886,599, 12-12-89, Cl. 210-287.000.

Bachmann, Peter K.; Geittner, Peter E. E.; Leers, Dieter; and Wilson, Howard J. C., to U.S. Philips Corp. Fluorine-doped optical fibre and method of manufacturing such fibre. 4,802,733, 2-7-89, Cl. 350-96.340.

Bachmann, Peter K.; Hagemann, Hans-Jurgen E.; Warnier, Jacques P. M.; and Wilson, Howard J. C., to U.S. Philips Corp. Method of manufacturing optical fibres. 4,871,383, 10-3-89, Cl. 65-3.120.

Bachmann, Peter K.; Geittner, Peter E.; Lydtin, Hans-Jurgen; and Romanowski, Gerd, to U.S. Philips Corp. Method for manufacturing rotationally symmetrical porous solid bodies. 4,885,018, 12-5-89, Cl. 65-3.110.

Bachner, Frank J.: *See—*

  Fan, John C. C.; and Bachner, Frank J., 4,822,120, Cl. 350-1.700.

Bachrach, Frank, to American Comb Corp. Comb. 4,807,652, 2-28-89, Cl. 132-137.000.

Bachtrod, Gerald: *See—*

  Kanzler, Josef; Noisser, Alois; Bachtrod, Gerald; and Gugerell, Ernst, 4,811,174, Cl. 362-61.000.

Baciak, Mark G.: *See—*

  Wallentine, Patricia J.; Baciak, Mark G.; Carreras, Richard A.; Coates, Elinor L.; and Haralson, David G., 4,831,246, Cl. 250-20.00J.

Bacich, Steven R.: *See—*

  Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., 4,880,426, Cl. 623-6.000.

  Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., 4,888,013, Cl. 623-6.000.

Bacigalupe, Carlos; and Dobie, Michael J., to Stewart Systems, Inc. Continuous proof and bake apparatus having improved conveyor system. 4,882,981, 11-28-89, Cl. 99-479.000.

Bacigalupe, Carlos: *See—*

  Stewart, G. Wayne; Davis, Bill E.; Thomas, William M.; Dobie, Michael J.; and Bacigalupe, Carlos, 4,846,647, Cl. 432-8.000.

Back, Anders S., to Electrolux Constructor Aktiebolag. Storage system. 4,834,607, 5-30-89, Cl. 414-267.000.

Back, Gerhard; and Mosimann, Walter, to Ciba-Geigy Corporation. Process for dyeing natural or synthetic polyamide fibre materials with 1:1 metal complex dyes in presence of alkali metal fluorosilicate or ammonium fluorosilicate. 4,818,248, 4-4-89, Cl. 8-620.000.

Back, Gerhard; and Beffa, Fabio, to Ciba-Geigy Corporation. Asymmetrical polyazo chromium complex dyes comprising resorcinol as a coupling component. 4,874,848, 10-17-89, Cl. 534-684.000.

Back, Gerhard; Beffa, Fabio; Schlesinger, Ulrich; and Puntener, Alois, to Ciba-Geigy Corporation. Asymmetric 1:2-chromium complex dyes containing two azo dyes, one containing an acetoacetanilide coupling component. 4,874,849, 10-17-89, Cl. 534-696.000.

Back, Gerhard: *See—*

  Puntener, Alois; Back, Gerhard; and Koller, Josef, 4,818,246, Cl. 8-437.000.

  Schutz, Hans U.; Schlesinger, Ulrich; and Back, Gerhard, 4,813,972, Cl. 8-599.000.

Back, Karl: *See—*

  Becker, Karl; Berger, Alfred; Iwansky, Joachim; Koble, Roland; and Back, Karl. 4,865,467, Cl. 384-273.000.

Backenstow, Don E.; Cotsakis, Daniel J.; and Gish, Laura E., to Carlisle Corporation. Lap seam for liquid containment systems and method of forming. 4,849,268, 7-18-89, Cl. 428-57.000.

Backer, Robert D.: *See—*

  Hade, Donald C., Jr.; and Backer, Robert D., 4,809,472, Cl. 52-118.000.

Backhaus, Martin; Ahrens, Werner; and Lubcke, Hartmut, to Nixdorf Computer AG. Switching arrangement for communication of digital signals, in particular PCM signals. 4,811,336, 3-7-89, Cl. 370-67.000.

Backman, Keith C., to Biotechnica International, Inc.; and H. J. Heinz Company. Method of biosynthesis and cells therefor. 4,839,286, 6-13-89, Cl. 435-108.000.

Backman, Marvin E.; Finnegan, Stephen A.; Whitman, Kent G.; and Sewell, Robert G. S., to United States of America, Navy. Armor penetration resistance enhancement. 4,885,994, 12-12-89, Cl. 102-473.000.

Backman, Ralf, to Wamac AB. Conveyor. 4,838,412, 6-13-89, Cl. 198-838.000.

Backman, Sune; and Hakanson, Hakan. Filter paper for an edge-type filter. 4,810,380, 3-7-89, Cl. 210-488.000.

Backu, Konrad, to August Sauter GmbH. Platform scale. 4,881,607, 11-21-89, Cl. 177-256.000.

Backus, Alan: *See—*

  Popeil, Ronald; and Backus, Alan, 4,807,862, Cl. 269-87.200.

Backus, Michael, to Schering Aktiengesellschaft. Copper etching solution. 4,849,124, 7-18-89, Cl. 252-79.400.

Backus, Petrus A. M., to Backus Sormac B.V. Vibrator strips wi increased spacing sorter. 4,832,205, 5-23-89, Cl. 209-620.000.

Backus, Petrus A. M., to Backus Sormac B.V. Apparatus for peelin bulbous plants. 4,889,045, 12-26-89, Cl. 99-546.000.

Backus, Richard J.; and Cosgrove, Patrick A., to Eastman Koda Company. Method and apparatus for measuring characteristics o photographic negatives. 4,821,073, 4-11-89, Cl. 355-68.000.

Backus, Richard J.: *See—*

  Amos, Shaun M.; Backus, Richard J.; and Jessop, Thomas C. 4,809,064, Cl. 358-76.000.

Backus Sormac B.V.: *See—*

  Backus, Petrus A. M., 4,832,205, Cl. 209-620.000.

  Backus, Petrus A. M., 4,889,045, Cl. 99-546.000.

Backx, Leo J. J.: *See—*

  Heeres, Jan; Stokbroekx, Raymond A.; and Backx, Leo J. J 4,861,879, Cl. 544-55.000.

BACO: *See—*

  Schaeffer, Maurice, 4,851,620, Cl. 200-14.000.

Bacon, Allan T.: *See—*

  Blanchard, William C.; and Bacon, Allan T., 4,797,554, C 250-287.000.

Bacon, Forrest C.; and Pribbernow, Dale E., to Kliklok Corporatio Self-cleaning weighing hopper and drive mechanism. 4,887,67 12-19-89, Cl. 177-245.000.

Bacon, Forrest C.: *See—*

  Edwards, Robert B.; Dalrymple, Bruce H.; Long, Lawrence B Meisner, Paul; Bacon, Forrest C.; Pribbernow, Dale E.; an Warner, William L., 4,821,820, Cl. 177-25.180.

Bacon, Fredrick: *See—*

  Babirad, Stefan A.; Bacon, Fredrick; Heilmann, Steven M.; Kreski, Larry R.; Kuczma, Andrew S.; and Rasmussen, Jerald K 4,852,969, Cl. 350-96.340.

Bacon, Peter, to Harris Corporation. Distributed amplifier havi improved D.C. biasing and voltage standing wave ratio performanc 4,864,250, 9-5-89, Cl. 330-277.000.

Bacon, Remy, to La Telemecanique Electrique. Pendant control bo 4,849,587, 7-18-89, Cl. 200-61.850.

Bacon, Walter H., to Custom Products Corporation. Winch hand 4,883,255, 11-28-89, Cl. 254-266.000.

Bacou, Claude; Cabrol, Christian; Baptiste, Rene; and Oisel, Andre, t Bull S.A. Method and apparatus for transmission of digital da 4,811,361, 3-7-89, Cl. 375-25.000.

Bacova Guild, Ltd., The: *See—*

  Johns, Benjamin I., Jr.; and Haynes, Patrick R., Jr., 4,813,595, C 232-17.000.

Bacque, Eric: *See—*

  Pillot, Jean-Paul; Bacque, Eric; Dunogues, Jacques; Biran, Claud and Olry, Pierre, 4,806,666, Cl. 556-412.000.

Bacsa, Gyorgy: *See—*

  Kekesi, Sandor; Tamasi, Piroska; Pal, Veronika; Jancso, Sandor Kristof nee Szvitil, Ilona; Bacsa, Gyorgy; and Kovacs ne Hadady, Katalin, 4,803,069, Cl. 424-74.000.

  Szabolcs nee Borbas, Anna; Otvos, Laszlo; Sagi, Janos; Tudos ne Feuer, Helga; Szemzo, Attila; Veres, Zsuzsa; Szinai, Istv Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso, Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,7 Cl. 514-50.000.

Bacsinsky, Tibor: *See—*

  Banai, Endre; Bacsinsky, Tibor; Kormos, Vladimir; and Molna Jozsef, 4,842,920, Cl. 428-184.000.

Bacskai, Barbara M.: *See—*

  Allen, Richard B.; Bacskai, Barbara M.; Roberts, Daniel L.; an Bopp, Richard C., 4,857,390, Cl. 428-220.000.

Bacskai, Robert, to Chevron Research Company. Process for the prepa ration of linear low density polyethylene. 4,820,786, 4-11-89, C 526-152.000.

Bacskai, Robert, to Chevron Research Company. Process for the prepa ration of alkylaniline using a Friedel-Crafts catalyst. 4,843,1 6-27-89, Cl. 564-409.000.

Bacskai, Robert, to Chevron Research Company. Process for the poly merization of alpha olefins. 4,857,612, 8-15-89, Cl. 526-125.000.

Bactex, Inc.: *See—*

  Brinton, Charles C., Jr.; and Hanson, Mark, 4,801,690, C 530-396.000.

Bacus, James W., to Cell Analysis Systems, Inc. Method and appara for control of light intensity for image analysis. 4,887,892, 12-19-8 Cl. 350-523.000.

Bacuvier, Pierre, to SGS-Thomson Microelectronics S.A. Triac dam sitized with respect to re-striking risks on switching across a reacti load. 4,812,893, 3-14-89, Cl. 357-39.000.

Baczyzmalski, Andrzej: *See—*

  Niederhuefner, Detlev; Hahn, Guenter; and Baczyzmalski, Andrzej, 4,876,417, Cl. 200-48.00V.

Badagnani, Giuseppe, to Mandelli S.p.A. Machine tool with improv spindlehead mounting and traversing means. 4,842,457, 6-27-89, C 400-183.000.

Badalamenti, Joseph N.: *See—*

  Shah, Ashok C.; Britten, Nancy J.; and Badalamenti, Joseph N 4,824,677, Cl. 424-467.000.

Badasch, Gerhard M.: *See—*

  Schreiber, Christopher M.; and Badasch, Gerhard M., 4,845, Cl. 174-36.000.

Badcock, Charles C.: *See—*

  Zimmerman, Albert H.; and Badcock, Charles C., 4,800,140, C 429-48.000.

Baddiley, Eric. Data reorganization apparatus. 4,852,065, 7-25-89, Cl. 365-221.000.

Badding, David D.: *See—*

  Hou, Janpu; Chai, Bruce H.; Badding, David D.; West, Gary A.; and Marcus, Stephen L., 4,889,993, Cl. 250-365.000.

Bade, Volkbert, to Th. Goldschmidt AG. Method for the preparation of a highly concentrated, flowable and pumpable betaine solution. 4,832,871, 5-23-89, Cl. 252-546.000.

Bade, Volkbert, to Th. Goldschmidt AG. Method for the preparation of concentrated flowable aqueous solutions of betaines: addition of mineral acid. 4,861,517, 8-29-89, Cl. 252-546.000.

Badeau, Robert R., to Nicolet Instrument Corporation. Method and apparatus for determining mirror position in a fourier-transform infrared spectrometer. 4,847,878, 7-11-89, Cl. 377-19.000.

Badeau, Roy W.: *See—*

  Wolrich, Gilbert M.; McLellan, Edward J.; Yodlowski, Robert A. J.; Badeau, Roy W.; and Kowaleski, John A., Jr., 4,811,272, Cl. 364-788.000.

Baden, Bradley J.; and Warren, John H., to B.F. Goodrich Company, The. Brake apparatus. 4,878,563, 11-7-89, Cl. 188-71.500.

Badenhorst, Rudolf P.: *See—*

  Beeton, Thomas B.; Mostert, Roelof J.; Navarro, Emilia B.; Rosinger, Pierre R.; and Badenhorst, Rudolf P., 4,881,991, Cl. 148-325.000.

Bader, B. Robert; and Bader, Bernard W. Splicing method and apparatus for sheet materials. 4,842,681, 6-27-89, Cl. 156-504.000.

Bader, Bernard W.: *See—*

  Bader, B. Robert; and Bader, Bernard W., 4,842,681, Cl. 156-504.000.

Bader, Brian E.: *See—*

  Johnson, Kevin K.; Bruckner, Gerald M.; and Bader, Brian E., 4,813,316, Cl. 83-42.000.

Bader, Edgar, to U.S. Philips Corporation. Method and circuit for synchronizing a digital data transmission system with a network-external clock. 4,890,303, 12-26-89, Cl. 375-107.000.

Bader, Eugen: *See—*

  Fetzer, Gerhard; and Bader, Eugen, 4,882,812, Cl. 19-112.000.

  Stahlecker, Fritz; Stahlecker, Hans; Fetzer, Gerhard; and Bader, Eugen, 4,805,395, Cl. 57-408.000.

Bader, Heinz: *See—*

  Sterler, Georg; and Bader, Heinz, 4,853,623, Cl. 324-158.00R.

Bader, Hubert; Ruppel, Diether; Walch, Axel; and Magerstadt, Michael, to Hoechst Aktiengesellschaft. Biologically degradable polyamide for depot preparations having controlled release of the active compound. 4,835,248, 5-30-89, Cl. 528-328.000.

Bader, Jean-Marc, to Societe Nationale Elf Aquitaine. Single-leaf valve for gas-fired boilers. 4,795,340, 1-3-89, Cl. 431-1.000.

Bader, Mark S.; and Miller, Robert L., to Kohler Company. Engine air intake screen assembly. 4,838,908, 6-13-89, Cl. 55-385.100.

Bader, Peter, to Eppendorf-Netheler-Hinz GmbH, Firma. Rotor for centrifuge. 4,832,679, 5-23-89, Cl. 494-16.000.

Bader, Reiner: *See—*

  Zabel, Hans J.; Bader, Reiner; and Lorenz, Walter, 4,816,766, Cl. 324-318.000.

Bader, Richard. Wreath making machine. 4,802,271, 2-7-89, Cl. 29-243.560.

Bader, Robert A.; and Axelrod, Michael G., to Atlantic Richfield Company. Reactor for methane conversion. 4,855,111, 8-8-89, Cl. 422-142.000.

Bader, Robert A.: *See—*

  Leyshon, David W.; and Bader, Robert A., 4,876,409, Cl. 585-500.000.

Bader, Stefano: *See—*

  Brunetta, Fabio; Bader, Stefano; and Pantini, Giovanni, 4,803,067, Cl. 424-63.000.

Badertscher, Markus, to Sandoz Ltd. Phosphoric acid partial ester compositions and method of fatting leather therewith. 4,834,876, 5-30-89, Cl. 252-8.570.

Badesha, Santokh S.; Stolka, Milan; Weagley, Ronald J.; and Roberts, Frederick J., Jr., to Xerox Corporation. Photoresponsive imaging members with polygermanes. 4,822,703, 4-18-89, Cl. 430-58.000.

Badesha, Santokh S.; Stolka, Milan; McGrane, Kathleen M.; and Weagley, Ronald J., to Xerox Corporation. Processes for the preparation of polysilylenes. 4,839,451, 6-13-89, Cl. 528-10.000.

Badesha, Santokh S.; Cherin, Paul; Foley, Geoffrey M. T.; Lees, Barry A.; and Wozniak, John, to Xerox Corporation. Vacuum deposition of selenium alloy. 4,842,973, 6-27-89, Cl. 430-128.000.

Badesha, Santokh S.; Grammatica, Steven J.; and Jansen, Frank, to Xerox Corporation. Photoconductive imaging members with electron transporting polysilylenes. 4,855,201, 8-8-89, Cl. 430-58.000.

Badesha, Santokh S.; Foley, Geoffrey M. T.; Pai, Damodar M.; Zallen, Richard H.; Slade, Michael L.; and Abkowitz, Martin A., to Xerox Corporation. Imaging members with photogenerating compositions obtained by solution processes. 4,855,203, 8-8-89, Cl. 430-59.000.

Badesha, Santokh S.; and Abkowitz, Martin A., to Xerox Corporation. Process for the preparation of chalcogenide alloys by the solution oxidation of alkaline selenium and alkaline tellurium compounds. 4,863,508, 9-5-89, Cl. 75-0.50A.

Badesha, Santokh S.: *See—*

  Foley, Geoffrey M.; Badesha, Santokh S.; Cherin, Paul; Pheilshifter, Kenneth J.; and Perry, Philip G., 4,822,712, Cl. 430-128.000.

  Pai, Damodar M.; and Badesha, Santokh S., 4,849,315, Cl. 430-84.000.

Badewitz, Charles J. Glare reducing night driving glasses. 4,859,047, 8-22-89, Cl. 351-47.000.

Badge-A-Minit, Ltd.: *See—*

  Wendt, David W.; Higbee, Robert W.; Kemp, Alan E.; and Gisske, Ed, 4,835,843, Cl. 29-708.000.

Badger, Carl L. Chisel plow mounting assembly. 4,799,555, 1-24-89, Cl. 172-751.000.

Badger, David: *See—*

  Dudziak, Thaddeus J.; Lehmkuhl, Charles; and Badger, David, 4,847,569, Cl. 331-25.000.

Badger, David M.: *See—*

  Vendely, John A.; and Badger, David M., 4,878,035, Cl. 332-101.000.

Badger, Douglas V.; Small, Billy L.; and Stanfeld, Philip K., to Boeing Company, The. Method of removing lithium from aluminum-lithium alloys. 4,822,412, 4-18-89, Cl. 75-63.000.

Badger, Ernest E.; Sornberger, G. Russell; and Anderson, Michael W., to Moore Business Forms, Inc. Envelope for table top laser printer. 4,878,613, 11-7-89, Cl. 229-75.000.

Badger Meter, Inc.: *See—*

  Norton, Gary N., 4,844,396, Cl. 248-231.000.

  Strobel, Donald H.; Karsten, Lee L.; and Stolz, John D., 4,868,566, Cl. 340-870.300.

  Thornborough, Raymond J.; Probert, Walter L.; Wachs, Dennis L.; Strobel, Donald H.; and Kidder, William L., 4,817,131, Cl. 379-107.000.

  Thornborough, Raymond J.; Probert, Walter L.; Wachs, Dennis L.; Strobel, Donald H.; and Kidder, William L., 4,866,761, Cl. 379-107.000.

Badger Pharmacal, Inc.: *See—*

  Windrock, John A.; and Conrardy, Mary L., 4,852,201, Cl. 15-145.000.

Badger, Raymond B.; Schmitz, Peter J.; and Thistle, Arthur L., to Palladium Security Products (1985) Inc. Window bar security system. 4,817,334, 4-4-89, Cl. 49-55.000.

Badger, Ronald L.; and Pejakovich, Michael, to United Steel & Wire Company. Child seat for over-the-counter shopping cart. 4,875,695, 10-24-89, Cl. 280-33.993.

Badia, Jose M., to Hiab Foco AB. Distributor for hydraulic cylinders. 4,878,418, 11-7-89, Cl. 91-421.000.

Badiali, Mario: *See—*

  Shmidt, Iosif; and Badiali, Mario, 4,876,013, Cl. 210-650.000.

Badiali, Roberto: *See—*

  Colli, Luigi; Badiali, Roberto; and Franci, Giosue, 4,865,260, Cl. 242-35.50A.

Badillo, Paul, to Bakron Corp. Plastic bobbin basket with needle guard plate. 4,858,543, 8-22-89, Cl. 112-231.000.

Badlani, Manu L.: *See—*

  Porowski, Jan S.; Badlani, Manu L.; Hampton, Edward J.; and O'Donnell, William J., 4,817,441, Cl. 73-863.120.

  Porowski, Jan S.; Badlani, Manu L.; O'Donnell, William J.; and Hampton, Edward J., 4,842,655, Cl. 148-130.000.

Bado, Zoltan: *See—*

  Tari, Gabor; Bado, Zoltan; and Juhasz, Imre. 4,878,918, Cl. 623-22.000.

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  Chiarino, Dario; Della Bella, Davide; Jommi, Giancarlo; Badone, Domenico; Pagliarin, Roberto; and Tavecchia, Paolo, 4,879,068, Cl. 260-397.000.

Badono, Shinji; Komaru, Masaki; and Tomoda, Toshimasa, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for radiation analysis. 4,817,122, 3-28-89, Cl. 378-88.000.

Badono, Shinji: *See—*

  Tomoda, Toshimasa; Badono, Shinji; and Komaru, Masaki, 4,885,759, Cl. 378-53.000.

Badorc, Alain; and Frehel, Daniel, to Sanofi. Dextro-rotatory enantiomer of methyl alpha-5 (4,5,6,7-tetrahydro (3,2-c) thieno pyridyl) (2-chlorophenyl)-acetate and the pharmaceutical compositions containing it. 4,847,265, 7-11-89, Cl. 514-301.000.

Badoureaux, Jean-Pierre, to Parker Hannifin RAK. Valve coupler with decompression. 4,854,345, 8-8-89, Cl. 137-614.050.

Badsey, William J. Two-wheeled recreational motor vehicle. 4,842,091, 6-27-89, Cl. 180-219.000.

Bae, J. H.; and Chou, S. I., to Chevron Research Company. Method for recovering petroleum using oligomeric surfactants. 4,819,729, 4-11-89, Cl. 166-305.100.

Baechler, Francois: *See—*

  Grunder, Werner; Baechler, Francois; and Murbach, Erwin, 4,864,853, Cl. 75-160.000.

Baecker, Manfred: *See—*

  Kaspar, Vaclav; Baecker, Manfred; Brandt, Horst; Grimmelijkhuizen, Friedrich; and Wolf, Karlheinz, 4,846,409, Cl. 241-21.000.

Baecklund, Per, to Refina Instruments AB. Method of controlling and/or measuring layer thickness such as the thickness of surface layers. 4,814,198, 3-21-89, Cl. 427-9.000.

Baehr, Bernd D.; Rall, Ulrich; van Delden, Hildegard; and Lillotte, Wolfgang, to Henkel Kommanditgesellschaft auf Aktien. Silicate-and magnesium-free stabilizer mixtures. 4,880,566, 11-14-89, Cl. 252-389.220.

Baehr, Thomas. Method of and plant for regulating the temperature of a heat carrier fluid. 4,884,743, 12-5-89, Cl. 237-8.00R.

Baenens, Victor E. A., to Stamicarbon B.V. Process for the preparation of urea. 4,801,746, 1-31-89, Cl. 564-70.000.

Baer, Hanspeter; and Durisch, Gion, to Zellweger Uster Ltd. Electricity meter and method of calibrating same. 4,837,504, 6-6-89, Cl. 324-142.000.

Baer, James R.: *See*—
  Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.
Baer, John S.; and Weatherby, John H., to Jackson Laboratory, The. Animal shipping container. 4,846,109, 7-11-89, Cl. 119-19.000.
Baer, John S.; and Vietti, Michael A., to RainWise, Inc. Rotational position indicator. 4,888,986, 12-26-89, Cl. 73-188.000.
Baer, Kurt R.: *See*—
  Holman, James L.; Willford, George A.; and Baer, Kurt R., 4,867,291, Cl. 192-4.00A.
Baer, Patricia B.; Hunter, Kevin D.; Hart, William G.; Axelrod, Barry H.; and Sansone, Ronald P., to Pitney Bowes Inc. Method and apparatus for sequentially numbering mail pieces. 4,821,195, 4-11-89, Cl. 364-464.020.
Baer, Ralph H., to Smith Engineering. Video based instructional and entertainment system using animated figure. 4,846,693, 7-11-89, Cl. 434-308.000.
Baer, Ralph H.; Curran, Kenneth J.; and Smith, Jay, III, to Smith Engineering. Encoding of audio and digital signals in a video signal. 4,875,096, 10-17-89, Cl. 358-143.000.
Baer, Richard G.: *See*—
  Tullis, Barclay J.; and Baer, Richard G., 4,872,835, Cl. 432-225.000.
Baer, Richard I.: *See*—
  Althouse, Rickie M.; Baer, Richard I.; and Brandt, Ronald I., 4,889,502, Cl. 439-607.000.
Baer, Stephen C., to Zomeworks Corporation. Lightweight solar panel support. 4,832,001, 5-23-89, Cl. 126-425.000.
Baer, Thomas M., to Spectra-Physics, Inc. Solid state lasers with spherical resonators. 4,829,537, 5-9-89, Cl. 372-66.000.
Baer, Thomas M., to Spectra-Physics, Inc. High-efficiency mode-matched solid-state laser with transverse pumping and cascaded amplifier stages. 4,837,771, 6-6-89, Cl. 372-75.000.
Baer, Thomas M.; and Kierstead, Mark S., to Spectra Physics Inc. Laser diode pumped solid state laser. 4,872,177, 10-3-89, Cl. 372-75.000.
Baer, Thomas M.: *See*—
  Kafka, James D.; and Baer, Thomas M., 4,835,778, Cl. 372-6.000.
  Kafka, James D.; Linne, Mark; and Baer, Thomas M., 4,847,850, Cl. 372-71.000.
Baer, William F. Structure leveling device. 4,836,501, 6-6-89, Cl. 254-88.000.
Baertlien, Lee A. Vent cutter. 4,884,341, 12-5-89, Cl. 30-123.300.
Baes, Emile, to Redco N.V. Lightweight insulating boards and process for manufacturing same. 4,840,672, 6-20-89, Cl. 106-86.000.
Baesgen, Harald; Schillings, Helmut; and Berg, Ernst, to Bayer Aktiengesellschaft. Bielastic, warp-knit fabric and its production. 4,817,400, 4-4-89, Cl. 66-195.000.
Baeshov, Abduali: *See*—
  Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.
Baethmann, Hans-Juergen: *See*—
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Baetschmann, Daniel; Nipp, Hansjorg; and Blaas, Karl, to Hilti Aktiengesellschaft. Process of forming openings. 4,807,587, 2-28-89, Cl. 125-1.000.
Baeuerle, Dieter. Method for the manufacture of thin-film capacitors. 4,814,289, 3-21-89, Cl. 437-060.000.
Baeuerle, Dieter, to Siemens Aktiengesellschaft. Method for prescribed, structured deposition of micro-structures with laser light. 4,859,279, 8-22-89, Cl. 156-656.000.
Baeyer, Hans V.: *See*—
  Schnabel, Roland; and Baeyer, Hans V., 4,863,609, Cl. 210-641.000.
Baez, Carlos A.: *See*—
  Waldhauer, Fred D.; and Baez, Carlos A., 4,808,945, Cl. 330-254.000.
  Waldhauer, Fred D.; and Baez, Carlos A., 4,868,517, Cl. 330-254.000.
Baeza, Sam; and Pulido, Hector. Universal angle V-block work holding fixture. 4,854,568, 8-8-89, Cl. 269-268.000.
Baffreau, Daniel: *See*—
  Roussel, Michel; and Baffreau, Daniel, 4,877,452, Cl. 106-97.000.
Baga, Britt M.: *See*—
  Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.
Bagaglio, Gian C.; Bentley, James M.; and Brown, James P., to Imperial Chemical Industries PLC. Polyester polyols containing monoalkanolamine derived units. 4,801,736, 1-31-89, Cl. 560-84.000.
Bagard, Michel: *See*—
  Saint-Jean, Alain; and Bagard, Michel, 4,802,373, Cl. 74-359.000.
Bagatto, Peter F.; and Puxley, Donald L., to Alcan International Limited. Method of and apparatus for thickening red muds derived from bauxite and similar slurries. 4,830,507, 5-16-89, Cl. 366-132.000.
Bagchi, Pranab; Sterman, Melvin D.; and Low, Howard M., to Eastman Kodak Company. Photographic element having polymer particles covalently bonded to gelatin. 4,855,219, 8-8-89, Cl. 430-496.000.
Bagcraft Corporation of America: *See*—
  Marsik, Ronald, 4,798,574, Cl. 493-267.000.
  Marsik, Ronald, 4,863,287, Cl. 383-113.000.
Bagdis, Carol; House, Glenn D.; and Reiss, Wanda T., to Polaroid Corporation. Circuit for providing a select rank-order number from a plurality of numbers. 4,802,108, 1-31-89, Cl. 364-715.010.
Bager, Lars. Method and apparatus for measuring variations in distances. 4,796,994, 1-10-89, Cl. 356-358.000.
Bagga, Madan M.: *See*—
  Andrews, Christopher M.; and Bagga, Madan M., 4,866,133, Cl. 525-109.000.
Baggaley, Keith H.: *See*—
  Woroniecki, Stefan R.; Elson, Stephen W.; and Baggaley, Keith H., 4,795,809, Cl. 540-348.000.
Baggarley, Anthony J.; and Farthing, Brian R. Parachute release devices. 4,836,477, 6-6-89, Cl. 244-147.000.
Baggarly, Brad A.; and Scullion, Christopher K., to Bell & Howell Company. Insertion machine with postage categorization and selective merchandising. 4,797,830, 1-10-89, Cl. 364-464.030.
Baggen, Constant P. M. J., to U.S. Philips Corporation. Method of and device for decoding a block of code symbols which is distributed between code words in two ways, each code word being protected by a maximum distance separable code. 4,802,173, 1-31-89, Cl. 371-40.000.
Baggett, David; Bateman, Alan; and Billet, Colin T., to Domnick Hunter Filters Limited. Pressure indicator. 4,823,727, 4-25-89, Cl. 116-272.000.
Baggett, George E., Jr.; and DeRoss, Robert W., to Molex Incorporated. Raceway frame and method for curved modular wall panel. 4,835,921, 6-6-89, Cl. 52-220.000.
Baggett, JoBeth. Medication compliance packaging system and procedure. 4,811,845, 3-14-89, Cl. 206-534.000.
Baggio, Dino; and Boscolo, Antonio, to Zeltron - Instituto Zanussi per la Ricerca S.p.A. Device for inspecting the heat insulation of household appliances, more particularly refrigerators. 4,890,244, 12-26-89, Cl. 364-551.010.
Baggio, Giorgio; and De Bortoli, Giuseppe, to Nordica S.p.A. Closure and securing device, particularly for ski boots. 4,799,297, 1-24-89, Cl. 24-68.0SK.
Baggio, Giorgio; and Baratto, Mirko, to Nordica S.p.A. Locking and adjustment device particularly for ski boots. 4,841,649, 6-27-89, Cl. 36-117.000.
Baggio, Giorgio; and Baratto, Mirko, to Nordica S.P.A. Locking and adjustment device particularly for ski boots. 4,884,760, 12-5-89, Cl. 242-54.00R.
Baggio, Horacio A.; and Eckart, George R., to Woodhead Industries, Inc. String lights for construction sites. 4,841,420, 6-20-89, Cl. 362-249.000.
Baggiolini, Enrico G.; Partridge, John J.; Shiuey, Shian-Jan; Truitt, Gary A.; and Uskokovic, Milan R., to Hoffmann-La Roche Inc. Vitamin D compounds. 4,804,502, 2-14-89, Cl. 260-397.200.
Baghdachi, Jamil, to Pony Industries, Inc. Polyurea/polyurethane adhesive compositions. 4,812,524, 3-14-89, Cl. 525-194.000.
Baghdachi, Jamil, to BASF Corporation. Fast-cure polyurethane sealant composition containing titanium ester accelerators. 4,889,[illegible], 12-26-89, Cl. 528-17.000.
Baghdiguian, Arthur: *See*—
  Salesses, Jacques; and Baghdiguian, Arthur, 4,809,310, Cl. 378-109.000.
Bagi, Elza V.: *See*—
  Caldwell, Kevin G.; Lischynsky, Steve J.; and Bagi, Elza V., 4,877,303, Cl. 350-96.210.
Baginski, Mark J., to Sperry Marine Inc. Multiplexed built in test equipment. 4,862,458, 8-29-89, Cl. 371-15.000.
Baginski, Pierre; Nebon, Jean-Pierre; and Bur, Marc, to Merlin Gerin. High rating multipole circuit breaker formed by two adjoined molded cases. 4,884,047, 11-28-89, Cl. 335-10.000.
Baglee, David A., to Texas Instruments Incorporated. Erasable electrically programmable read only memory cell using trench edge tunnelling. 4,796,228, 1-3-89, Cl. 365-185.000.
Baglee, David A.; and Parker, Ronald, to Texas Instruments Inc. Trench capacitor process for high density dynamic ram. 4,830,[illegible], 5-16-89, Cl. 437-48.000.
Baglee, David A., to Texas Instruments Incorporated. Erasable electrically programmable read only memory cell using a three dimensional trench floating gate. 4,835,741, 5-30-89, Cl. 365-185.000.
Bagley, Brian G.; Kurkjian, Charles R.; and Quinn, William E., to Bell Communications Research, Inc.; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Glass fibers having organosilsesquioxane coatings and claddings. 4,835,057, 5-30-89, Cl. 428-391.000.
Bagley, Brian G.; and Quinn, William E., to Bell Communications Research, Inc. Method for preparation of silicate glasses of controlled index of refraction. 4,885,186, 12-5-89, Cl. 427-38.000.
Bagley, Charles S. Jet propulsion engine and method. 4,817,379, 4-4-89, Cl. 60-261.000.
Bagley, Jeffrey W. Work holding device. 4,801,131, 1-31-89, Cl. 269-75.000.
Bagley, Kevin M.: *See*—
  Stone, Christopher; Graverholt, James M.; Donaldson, Stuart G.; and Bagley, Kevin M., 4,851,655, Cl. 235-58.0CW.
Bagley, Robert: *See*—
  Elliott, James H.; and Bagley, Robert, 4,801,152, Cl. 280-47.34
Bagley, Rodney D.; and Wusirika, Raja R., to Corning Incorporated. Method of encasing a structure in metal. 4,871,621, 10-3-89, Cl. 428-549.000.
Baglin, Michel, to Simmonds S.A. Floating caged nut. 4,826,374, 5-2-8 Cl. 411-103.000.

Baglio, Thomas P. Separate hanger for flexible plastic bags. 4,832,290, 5-23-89, Cl. 248-95.000.
Baglio, Thomas P. Hanger system for flexible plastic bags. 4,854,530, 8-8-89, Cl. 248-95.000.
Baglioni, Alessandro, to Sigma-Tau Industrie Farmaceutiche Riunite S.p.A. Pyrrolacetic amides having anti-inflammatory activity. 4,882,349, 11-21-89, Cl. 514-423.000.
Bagnall, Arthur F., to Spencer Wright Industries, Inc. Tufting machine indexing drive apparatus. 4,815,401, 3-28-89, Cl. 112-80.410.
Bagnall, Arthur F., to Spencer Wright Industries, Inc. Tufting machine adjustable stroke mechanism. 4,834,005, 5-30-89, Cl. 112-80.420.
Bagnall, Arthur F., to Spencer Wright Industries, Inc. Yarn feed system for tufting machines. 4,870,915, 10-3-89, Cl. 112-80.410.
Bagnall, Paul J. H.: *See*—
  Longbottom, Karl; Whiteley, Norman; and Bagnall, Paul J. H., 4,819,824, Cl. 220-266.000.
  Whiteley, Norman; Bagnall, Paul J. H.; and Longbottom, Karl, 4,795,597, Cl. 264-22.000.
Bagolini, Carlo A.: *See*—
  Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, 4,812,478, Cl. 514-550.000.
  Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, 4,868,211, Cl. 514-550.000.
Bagrodia, Shriram; and Phillips, Bobby M., to Eastman Kodak Company. Drafting process for preparing a modified polyester fiber. 4,842,792, 6-27-89, Cl. 264-130.000.
Bagshaw, Stanley R.: *See*—
  Rea, Philip L.; and Bagshaw, Stanley R., 4,888,928, Cl. 52-387.000.
Baguley, Bruce C.: *See*—
  Atwell, Graham J.; Baguley, Bruce C.; Denny, William A.; and Rewcastle, Gordon W., 4,795,826, Cl. 564-99.000.
Bagwell, J. Jewell. Single handle dual flushing toilet. 4,878,256, 11-7-89, Cl. 4-326.000.
Bagwell, James T.; and Howe, Blair E., to Cinco, Inc. Scrub brush package. 4,880,111, 11-14-89, Cl. 206-209.100.
Bahar, Izak; and Cole, Francis, to Hygeia Sciences, Inc. Multiple-antibody detection of antigen. 4,868,108, 9-19-89, Cl. 435-7.000.
Baher, Saeed: *See*—
  Mobley, Joseph G.; Kozushin, Anatoly; Baher, Saeed; Addison, Steve; Paulk, Howard; and Farmer, James, 4,888,799, Cl. 380-6.000.
Baheri, Hamid, to Archive Corporation. Head positioning assembly. 4,833,558, 5-23-89, Cl. 360-106.000.
Baheti, Ram J.; McGuire, Dennis P.; and Kosar, Kaya A., to Lord Corporation. Snap-in plate mount. 4,884,656, 12-5-89, Cl. 181-207.000.
Bahl, Chander: *See*—
  Kurn, Nurith; Bahl, Chander; and Ullman, Edwin F., 4,868,104, Cl. 435-6.000.
Bahl, Lalit R.; Mercer, Robert L.; and Nahamoo, David, to International Business Machines Corporation. Rapidly training a speech recognizer to a subsequent speaker given training data of a reference speaker. 4,817,156, 3-28-89, Cl. 381-43.000.
Bahl, Lalit R.; deSouze, Peter V.; Mercer, Robert L.; and Picheny, Michael A., to International Business Machines Corporation. Constructing Markov model word baseforms from multiple utterances by concatenating model sequences for word segments. 4,819,271, 4-4-89, Cl. 381-43.000.
Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., to International Business Machines Corporation. Training of Markov models used in a speech recognition system. 4,827,521, 5-2-89, Cl. 381-43.000.
Bahl, Lalit R.; DeSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., to International Business Machines Corporation. Automatic generation of simple Markov model stunted baseforms for words in a vocabulary. 4,833,712, 5-23-89, Cl. 381-43.000.
Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., to International Business Machines Corporation. Design and construction of a binary-tree system for language modelling. 4,852,173, 7-25-89, Cl. 381-43.000.
Bahl, Lalit R.; deSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., to International Business Machines Corporation. Synthesizing word baseforms used in speech recognition. 4,882,759, 11-21-89, Cl. 381-51.000.
Bahlmann, Johannes P. M., to U.S. Philips Corp. Transistor protection circuit. 4,870,533, 9-26-89, Cl. 361-101.000.
Bahls, Brian: *See*—
  Henderson, Robert M.; and Bahls, Brian, 4,815,761, Cl. 280-47.300.
Bahm, Glenn A., to Mobility Work Trays, Inc. Wheelchair work tray. 4,878,685, 11-7-89, Cl. 280-304.100.
Bahnemann, Volker W.; and Loth, Stanislaw, to Arriflex Corporation. Photography light. 4,816,975, 3-28-89, Cl. 362-308.000.
Bahnick, Karl R.; and Groe, David E., to Sun Electric Corporation. Plural source arbitration system. 4,872,004, 10-3-89, Cl. 340-825.500.
Bahowick, Timothy J.: *See*—
  Miller, Robert E.; Vervacke, Steven L.; Bahowick, Timothy J.; and Glanz, Kenneth D., 4,880,766, Cl. 503-212.000.
Bahr, Bradley C.; Lo, Peter Y.; Lomas, A. Wade; and Romenesko, David J., to Dow Corning Corporation. Cross-linked organopolysiloxanes and emulsions based thereon. 4,853,474, 8-1-89, Cl. 556-445.000.
Bahr, Carol G., executrix: *See*—
  Bahr, Chester H., deceased; and Bahr, Carol G., executrix, 4,869,383, Cl. 215-232.000.
Bahr, Chester H., deceased; and by Bahr, Carol G., executrix. Container closure with pull tab. 4,869,383, 9-26-89, Cl. 215-232.000.

Bahr, Christian: *See*—
  Heppke, Gerd; Bahr, Christian; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, 4,855,429, Cl. 544-335.000.
  Heppke, Gerd; Scherowsky, Gunter; Bahr, Christian; and Lehmann, Lutz, 4,874,545, Cl. 252-299.610.
Bahr, Dennis E.; Clark, Kenneth R.; and Post, Kendall E., to Cas Medical Systems, Inc. Automatic blood pressure measuring device and method. 4,796,184, 1-3-89, Cl. 364-413.030.
Bahr, Dennis E.; Fortney, Neil K.; Skroch, Michael; Ziemann, Erich T.; and Post, Kendall E., to Bahr Technologies, Inc. Apparatus and method for receiving and processing Loran signals. 4,814,771, 3-21-89, Cl. 342-389.000.
Bahr, Dennis E.: *See*—
  Monson, Mark B.; Blandino, Thomas P.; Bahr, Dennis E.; and Post, Kendall E., 4,875,019, Cl. 330-302.000.
Bahr Technologies, Inc.: *See*—
  Bahr, Dennis E.; Fortney, Neil K.; Skroch, Michael; Ziemann, Erich T.; and Post, Kendall E., 4,814,771, Cl. 342-389.000.
  Monson, Mark B.; Blandino, Thomas P.; Bahr, Dennis E.; and Post, Kendall E., 4,875,019, Cl. 330-302.000.
Bahr, Theodor; Thumm, Helmut; and Musselmann, Walter, to J. M. Voith GmbH. Method for emptying suspension for a pulper. 4,818,338, 4-4-89, Cl. 162-4.000.
Bahr, Theodor: *See*—
  Kade, Werner; Bahr, Theodor; Zurn, Georg; and Rohde, Gunter, 4,800,687, Cl. 51-289.00R.
Bahren, Heinz: *See*—
  Kano, Tetsuhiro, 4,814,956, Cl. 362-293.000.
Bahrmann, Helmut: *See*—
  Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Konkol, Werner; and Wiebus, Ernst, 4,795,727, Cl. 502-161.000.
  Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Gick, Wilhelm; Heim, Volker; Konkol, Werner; and Wiebus, Ernst, 4,879,418, Cl. 568-454.000.
  Cornils, Boy; Konkol, Werner; Bach, Hanswilhelm; Gick, Wilhelm; Wiebus, Ernst; Bahrmann, Helmut; and Hahn, Heinz-Dieter, 4,808,757, Cl. 568-454.000.
Bahro, Rita T.: *See*—
  Provost, George A.; and Bahro, Rita T., 4,884,323, Cl. 24-442.000.
Bai, Jing-Jang: *See*—
  Kuo, Cheng-Deng; Bai, Jing-Jang; and Chang, I-Te, 4,848,900, Cl. 356-39.000.
Bai, Lan-Qin: *See*—
  Shiue, Chyng-Yann; Wolf, Alfred P.; Bai, Lan-Qin; and Tong, Ren-Tui, 4,871,527, Cl. 424-1.100.
Bai, Monty W.; and Huhmann, Douglas J., to Motorola, Inc. Mechanical field effect transistor sensor. 4,873,871, 10-17-89, Cl. 73-777.000.
Bai, Monty W.: *See*—
  Farace, Louis P.; Bai, Monty W.; and Whittaker, Jerry R., 4,848,234, Cl. 102-221.000.
Baiel, James J.: *See*—
  Cohen, Abraham D.; Diana, William D.; and Baiel, James J., 4,876,403, Cl. 568-913.000.
Baier, Bruce A., to Rolscreen Company. Blind in a window support. 4,886,103, 12-12-89, Cl. 160-178.100.
Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, to Hans Hollmuller Maschinenbau GmbH & Co. Machine for etching objects. 4,852,595, 8-1-89, Cl. 134-144.000.
Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, to Hans Hollmuller Maschinenbau GmbH & Co. Machine for treating objects with a treating liquid. 4,852,804, 8-1-89, Cl. 239-121.000.
Baier, Manfred; Kaspar, Klaus P.; Schafer, Rainer; Trager, Ulrich; and Notzel, Siegfried, to Boehringer Mannheim GmbH. Reagent paper for immunologically analysis, a process for the preparation thereof and the use thereof. 4,803,171, 2-7-89, Cl. 436-530.000.
Baier, Manfred: *See*—
  Stock, Werner; Baier, Manfred; Kaspar, Klaus P.; and Kirch, Peter, 4,885,255, Cl. 436-512.000.
Baier, Paul. Roll shutter for roof windows. 4,846,242, 7-11-89, Cl. 160-32.000.
Baierl & Demmelhuber GmbH & Co. Akustik & Trockenbau KG: *See*—
  Arhelger, Wolfgang, 4,808,229, Cl. 106-90.000.
Baig, Mirza N.: *See*—
  Copson, Alexander G.; and Baig, Mirza N., 4,829,923, Cl. 114-27.000.
Baigrie, Stephen M.; and Brown, Alan L., to Raychem Limited. High frequency attenuation cable. 4,816,614, 3-28-89, Cl. 174-36.000.
Baijnath, Etienette. Restraint mitt for restraining a wearer's hand and arm. 4,887,616, 12-19-89, Cl. 128-879.000.
Baika, Toyokazu; Nakamura, Norihiko; Noguchi, Hiroshi; Tanahasi, Tosio; and Hirose, Katsuhiko, to Toyota Jidosha Kabushiki Kaisha. Two-stroke internal combustion engine with cylinder head valves. 4,821,686, 4-18-89, Cl. 123-65.0VD.
Baika, Toyokazu: *See*—
  Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Horii, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, 4,823,755, Cl. 123-480.000.
  Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.
Baikov, Alexandr A.: *See*—
  Atabekov, Iosif G.; Avaeva, Svetlana M.; Baikov, Alexandr A.; Kulinich, Alexandr V.; Mizenina, Olga A.; Kasho, Vladimir N.; and Smirnova, Irina N., 4,808,522, Cl. 435-7.000.

Baile, Gnaneshwar R.; Herman, John E.; and Wyshak, Geoffrey M., to Dow Corning Corporation. Preparation of cycloorganotrisilazanes. 4,855,469, 8-8-89, Cl. 556-409.000.

Baile, Madhu; Braun, Joseph T.; and Clark, Joseph N., to Dow Corning Corporation. Primer compositions. 4,795,775, 1-3-89, Cl. 524-379.000.

Bailet, Melvin E.; and Fane, Kenneth W. Strongbox having an integral antitheft mechanism. 4,819,570, 4-11-89, Cl. 109-23.000.

Bailey, Amy L. Spray guard adapted for use with a wand for spraying a liquid onto vegetation. 4,865,257, 9-12-89, Cl. 239-288.500.

Bailey, Angileen; and Spector, George. Changeable shoe tops/heels. 4,887,369, 12-19-89, Cl. 36-101.000.

Bailey, Anne; and Rasums, Andrejs, to GIA Research Company. L.P. Dye labelled antibodies as reagents for use in immunoassay systems. 4,863,875, 9-5-89, Cl. 436-518.000.

Bailey, Bill E., to Pacific Northwest Electronics. Ignition coil primary winding signal processing system. 4,847,562, 7-11-89, Cl. 324-379.000.

Bailey, Bill E., to Pacific Northwest Electronics. Variable frequency, fixed amplitude digital sweep generator. 4,851,709, 7-25-89, Cl. 307-228.000.

Bailey, Bob. Auto accessory floor mat. 4,828,898, 5-9-89, Cl. 428-88.000.

Bailey, Brian A., to Cormid Limited. Fixing and coupling of panels and cladding. 4,845,909, 7-11-89, Cl. 52-235.000.

Bailey, Burns O.: *See—*

Bailey, Kent A.; and Bailey, Burns O., 4,864,939, Cl. 108-44.000.

Bailey, Charles E.; and Miles, George A., to Herman Miller, Inc. Chair back adjustment. 4,795,212, 1-3-89, Cl. 297-362.000.

Bailey, Christian E.; and Bowser, John J., to W. L. Gore & Associates, Inc. Air-stream sampling device. 4,860,598, 8-29-89, Cl. 73-863.330.

Bailey, Christian E.: *See—*

Sassa, Robert L.; and Bailey, Christian E., 4,830,643, Cl. 55-316.000.

Bailey, Curtis J.: *See—*

Metcalfe, L. D.; Maczuzak, Michael J.; Bailey, Curtis J.; and Deyo, Paul R., 4,801,182, Cl. 312-309.000.

Bailey, Curtis R.: *See—*

Appenzeller, Robert C.; and Bailey, Curtis R., 4,858,307, Cl. 29-736.000.

Bailey, Dan H. Self-adjusting file drawer fillers. 4,838,436, 6-13-89, Cl. 211-51.000.

Bailey, David G.: *See—*

Parker, Graham A.; Mayer, Rene J. F.; Taylor, Ian G.; and Bailey, David G., 4,866,362, Cl. 318-368.100.

Bailey, David W.: *See—*

Flack, John; and Bailey, David W., 4,828,635, Cl. 156-71.000.

Bailey, Denis M., to Sterling Drug Inc. Method for treating malignant conditions. 4,829,084, 5-9-89, Cl. 514-517.000.

Bailey, Denis M., to Sterling Drug Inc. Antimicrobial N-[1-(alkyl or arylmethyl)-4(1H)-pyridinylidine]-alkanamines and acid addition salts thereof and methods of use and compositions thereof. 4,839,372, 6-13-89, Cl. 514-352.000.

Bailey, Denis M., to Sterling Drug, Inc. 1H-pyrazole-1-alkanamides, antiarrhythmic compositions and use. 4,870,095, 9-26-89, Cl. 514-406.000.

Bailey, Denis M.; and Kumar, Virendra, to Sterling Drug Inc. 3,4, or 5-aryl-1H-pyrazole-1-alkanamides as antiarrhythmic agents, compositions and use. 4,888,352, 12-19-89, Cl. 514-406.000.

Bailey, Dennis B. Modified helicoidal wind responsive device. 4,850,798, 7-25-89, Cl. 416-11.000.

Bailey, Derrick S.; Cogswell, Frederic N.; and Griffin, Brian P., to Imperial Chemical Industries PLC. Shaped articles formed from polymers capable of exhibiting anisotropic melts. 4,843,109, 6-27-89, Cl. 521-182.000.

Bailey, Douglas A.: *See—*

Schmidt, William L.; Olson, Richard E.; and Bailey, Douglas A., 4,862,320, Cl. 361-383.000.

Bailey, Douglas S.: *See—*

Anderson, Arthur L.; Bailey, Douglas S.; and Korinek, Richard J., 4,797,621, Cl. 324-533.000.

Bailey, Edward J., to Cincinnati Milacron, Inc. Preloaded antibacklash gear assembly. 4,827,786, 5-9-89, Cl. 74-409.000.

Bailey, Esme J.: *See—*

Phillipps, Gordon H.; Dyke, Stanley F.; Bailey, Esme J.; Howes, Peter D.; and Scopes, David I. C., 4,835,158, Cl. 514-279.000.

Bailey, F. Courtney: *See—*

Law, Kock-Yee; and Bailey, F. Courtney, 4,886,722, Cl. 430-59.000.

Bailey, F. Pat: *See—*

Soward, Milton W.; and Bailey, F. Pat, 4,888,975, Cl. 72-392.000.

Bailey, Fay W., to Phillips Petroleum Company. Process for cleaning polymer processing equipment. 4,838,948, 6-13-89, Cl. 134-8.000.

Bailey, Francis V., to Outboard Marine Corporation. Apparatus for surrounding a foam pattern cluster with sand. 4,854,369, 8-8-89, Cl. 164-159.000.

Bailey, Frank, to Magnet PLC. Emergency window system. 4,879,842, 11-14-89, Cl. 49-141.000.

Bailey, Frank V.; and Woodward, Lee A., to Outboard Marine Corporation. Shaking apparatus. 4,850,421, 7-25-89, Cl. 164-203.000.

Bailey, James A.; and Kindred, Walter M. Illuminated building number assembly. 4,848,017, 7-18-89, Cl. 40-576.000.

Bailey, James B., to Techsonic Industries, Inc. Sonar fish and bottom finder and display. 4,829,493, 5-9-89, Cl. 367-111.000.

Bailey, James B.; Gibson, Robert R.; Nunley, Alvin, III; and Utz, Q. Wayne, to Techsonic Industries, Inc. Sonar depth sounder apparatus. 4,873,676, 10-10-89, Cl. 367-98.000.

Bailey, James L. Riser for an irrigation sprinkler. 4,834,290, 5-30-89, Cl. 239-205.000.

Bailey, James L.; and Vresk, Josip. Thermal transient anemometer 4,848,147, 7-18-89, Cl. 73-204.170.

Bailey, James L.: *See—*

Hammerstrom, Daniel W.; and Bailey, James L., 4,796,199, C 364-513.000.

Bailey, John S.: *See—*

Tullis, Barclay J.; Bailey, John S.; Gunawardena, D. R.; and Ka empf, Ulrich, 4,875,825, Cl. 414-786.000.

Bailey, John V.; and Krishnan, Sivaram, to Mobay Corporation. Sta lized polycarbonates. 4,816,504, 3-28-89, Cl. 524-91.000.

Bailey, John W.: *See—*

Comfort, John J.; Hayter, Paul A.; Kargathra, Dinesh; Mc Brian R.; Turner, Graham N.; Fisher, Ian R.; and Bailey, Jo W., 4,807,161, Cl. 364-550.000.

Bailey, Kent A.; and Bailey, Burns O. Work table assembly mounte on a panel transporting vehicle. 4,864,939, 9-12-89, Cl. 108-44.00

Bailey, Linda F. Synthetic leather-like material. 4,876,138, 10-24-89, C 428-172.000.

Bailey, Mark L.; Neu, Horst W.; and Silverman, Deanna C., to No throp Corporation. Drill inspection and sorting method and appa tus. 4,869,813, 9-26-89, Cl. 209-538.000.

Bailey, Mark R. Touring ski binding. 4,887,833, 12-19-89, C 280-615.000.

Bailey, Mark W.; and Ulanday, Myrna G., to Abbott Laborator Reagent and process for the determination of hemoglobin in bloo 4,800,167, 1-24-89, Cl. 436-66.000.

Bailey, Marshall G., to Thule United Limited. Screen clamp. 4,846,3 7-11-89, Cl. 209-399.000.

Bailey, Nina R.: *See—*

Vanderlaan, Martin; Stanker, Larry H.; Watkins, Bruce E.; an Bailey, Nina R., 4,798,807, Cl. 436-548.000.

Bailey, Paul F., Jr.; Nilsson, Isidro G.; and Alf, George M., to Bai Paul F., Jr. Opthalmic surgical device and method with image da reflected off of the eye. 4,870,964, 10-3-89, Cl. 128-303.100.

Bailey, Paul R.; and Wheatley, Glenver M., to NCR Corporati Gasket wrapping apparatus. 4,826,096, 5-2-89, Cl. 242-67.10R.

Bailey, Ralph T.; Myers, Robert B.; and Vetterick, Richard C.; t Babcock & Wilcox Company, The. Dual fluid atomizer. 4,819,0 4-11-89, Cl. 239-427.000.

Bailey, Ralph T.; Modrak, Thomas M.; and Womack, Edgar A., Jr.; t Babcock & Wilcox Company, The. Flowmeter for a moving pack bed. 4,825,706, 5-2-89, Cl. 73-861.050.

Bailey, Richard L.: *See—*

Froebe, Ronald L.; Duarte, Jesus; and Bailey, Richard L. 4,810,994, Cl. 338-202.000.

Bailey, Robert S.: *See—*

McCune, Robert C., Jr.; Toth, Louis; and Bailey, Rober 4,871,651, Cl. 430-315.000.

Bailey, Robert W.: *See—*

Timmons, Russell M.; and Bailey, Robert W., 4,794,737, C 51-168.000.

Bailey, Roger F. Optical sorting apparatus. 4,863,041, 9-5-89, C 209-580.000.

Bailey, Ronald J.: *See—*

Sigler, James; Sprang, Richard W.; Bailey, Ronald J.; and McKe nan, Edward, 4,819,279, Cl. 4-300.000.

Bailey, Russell: *See—*

Aidlin, Stephen H.; and Bailey, Russell, 4,802,569, Cl. 198-346.1

Bailey, Russell O.: *See—*

Aidlin, Samuel S.; Aidlin, Stephen H.; Bailey, Russell O.; an Myers, Ed, 4,873,410, Cl. 219-56.100.

Bailey, Samuel. Flexible heat transfer pad. 4,858,590, 8-22-89, Cl. D 39.00H.

Bailey, Steven P.: *See—*

Gualits, Vladimir S.; and Bailey, Steven P., 4,830,165, Cl. 15 110.00R.

Gualits, Vladimir S.; and Bailey, Steven P., 4,840,259, C 192-48.200.

Bailey, Thomas D.: *See—*

Goe, Gerald L.; Bailey, Thomas D.; and Beadle, James L. 4,839,323, Cl. 502-159.000.

Bailey, Thomas F. Self-supporting funnel. 4,804,026, 2-14-89, C 141-340.000.

Bailey, Thomas F.; and Campbell, John, to Drilex Systems, Inc. Dri ling apparatus and cutter. 4,865,137, 9-12-89, Cl. 175-269.000.

Bailey, Timothy J.: *See—*

Courtney, Daniel P.; and Bailey, Timothy J., 4,867,524, C 350-96.200.

Courtney, Daniel P.; and Bailey, Timothy J., 4,871,226, C 350-96.170.

Bailey, Walter H.; and Pettus, Kent, to Texas Instruments Incorpora Redundant power supply control. 4,860,188, 8-22-89, Cl. 363-65.0

Bailey, Webb I.; and Lileck, John T., to Air Products and Chemica Inc. Perfluoro-1,1-di(orthoxylyl)alkyl compounds. 4,801,761, 1-31-8 Cl. 570-130.000.

Bailey, Webb I.; Schweighardt, Frank K.; and Ayala, Varia, to Ai Products and Chemicals, Inc. Perfluorinated di-isopropylmeth decalin. 4,827,053, 5-2-89. Cl. 570-130.000.

Bailey, Webb I.; Schweighardt, Frank K.; and Ayala, Varia, to Ai Products and Chemicals, Inc. Perfluorinated dibutyl derivati compounds. 4,849,553, 7-18-89, Cl. 570-130.000.

Bailey, Webb I.: *See—*

Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Gra bill, John K.; and Lutz, Eugene G., 4,873,315, Cl. 570-130.00

Schweighardt, Frank K.; and Bailey, Webb I., 4,881,682, C 228-242.000.

Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Graybill, John K.; and Lutz, Eugene G., 4,885,414, Cl. 570-130.000.

Bailey, William D.: *See—*

Zimmer, James M.; and Bailey, William D., 4,865,662, Cl. 148-329.000.

Bailie, Brian: *See—*

Bailie, Daphne; and Bailie, Brian, 4,879,765, Cl. 2-24.000.

Bailie, Daphne; and Bailie, Brian. Infant knee pad. 4,879,765, 11-14-89, Cl. 2-24.000.

Baillargeon, David J.; and Chu, Yung F., to Mobil Oil Corporation. Conversion of aliphatics to aromatics over a zeolite catalyst. 4,822,941, 4-18-89, Cl. 585-417.000.

Baillargeon, Joseph P.: *See—*

Foye, Thomas E.; and Baillargeon, Joseph P., 4,859,247, Cl. 106-505.000.

Bailleux, Pierre: *See—*

Guezou, Jean-Pierre; Heid, Gilles; Bailleux, Pierre; and Pruvost, Marc, 4,836,743, Cl. 415-53.100.

Baillie, Lloyd A., to Atlantic Richfield Company. Apparatus and method for monitoring one liquid in another. 4,809,543, 3-7-89, Cl. 73-61.10R.

Baillie, Lloyd A., to Atlantic Richfield Company. System for measuring multiphase fluid flow. 4,813,270, 3-21-89, Cl. 73-61.00R.

Baillie, Lloyd A., to Atlantic Richfield Company. Particulate solids dryer with recycled hot-pebble heat exchange medium. 4,862,601, 9-5-89, Cl. 34-182.000.

Baillie, Lloyd A., to Atlantic Richfield Co. Apparatus for pressure testing pipelines. 4,872,336 10-10-89, Cl. 73-40.50R.

Bailly, Daniel: *See—*

Le Marchand, Alain; and Bailly, Daniel, 4,850,604, Cl. 280-33.996.

Bailly, Jean C.: *See—*

Aubanel, Marie-Line; and Bailly, Jean C., 4,797,461, Cl. 526-348.600.

Bain, Gregory C.: *See—*

Jellinek, Thomas; and Bain, Gregory C., 4,810,751, Cl. 524-811.000.

Bain, Richard L.; and Larson, John R., to Resource Technology Associates. Viscosity reduction by direct oxidative heating. 4,818,371, 4-4-89, Cl. 208-106.000.

Bain, Richard L.; and Larson, John R., to Resource Technology Associates. Decoking hydrocarbon reactors by wet oxidation. 4,849,025, 7-18-89, Cl. 134-22.100.

Bain, Walter F., to Analytic Sciences Corporation, The. Signaling system. 4,866,771, 9-12-89, Cl. 380-23.000.

Bain, William L., Jr.; Bedichek, Robert C.; Cox, George W.; Grassl, Gerhard; Peterson, Craig B.; Rattner, Justin R.; Singh, Gurbir; Singh, Gurbir; and Wipfli, John L., to Intel Corporation. Programmable I/O sequencer for use in an I/O processor. 4,803,622, 2-7-89, Cl. 364-200.000.

Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B., and Wipfli, John L., to Intel Corporation. Memory-based interagent communication mechanism. 4,829,425, 5-9-89, Cl. 364-200.000.

Bain, William L., Jr.; de Oliveira Camargo, Marcos; Duzett, Robert C.; Lederhofer, Artur H.; Peterson, Craig B.; and Wipfli, John L., to Intel Corporation. Multi-tasking register set mapping system which changes a register set pointer block bit during access instruction. 4,853,849, 8-1-89, Cl. 364-200.000.

Bainbridge, David W.; and Tocci, Mario P., to Manville Corporation. Moldable fibrous mat. 4,826,724, 5-2-89, Cl. 428-288.000.

Bainbridge, David W., to Manville Corporation. Corrugated paperboard automotive liner. 4,886,696, 12-12-89, Cl. 428-184.000.

Bainbridge, Marlene A.; Powell, Charles B.; and Finsterwald, P. Michael, to Cobe Laboratories, Inc. Peristaltic pump cartridge. 4,824,339, 4-25-89, Cl. 417-477.000.

Bainbridge, Peter: *See—*

Montague, Peter G.; and Bainbridge, Peter, 4,836,933, Cl. 210-701.000.

Baines, David A.; Faulkes, Christopher G.; Tomlinson, Andrew J.; and Ning, Peter C. Y. K., to Dalgety U.K. Limited. Repellent compositions. 4,818,535, 4-4-89, Cl. 424-407.000.

Baines, David A.; Filby, Paul K.; and Kierstan, Marek P. J., to Dalgety U.K. Limited. Color production. 4,886,659, 12-12-89, Cl. 424-63.000.

Baines, Leslie M.: *See—*

Berch, Stephen W.; and Baines, Leslie M., 4,820,280, Cl. 604-248.000.

Baines, Patrick A., to Venture Packaging, Inc. Bag with carrying handle for containing merchandise. 4,874,256, 10-17-89, Cl. 383-21.000.

Baines, Roger F., to Johnson Electric Industrial Manufactory, Limited. Solderless connection for an electric motor. 4,812,693, 3-14-89, Cl. 310-71.000.

Baines, Roger F., to Johnson Electric Industrial Manufactory, Limited. Electric motor with velocity indicating device. 4,829,254, 5-9-89, Cl. 324-167.000.

Baines, Roger F., to Johnson Electric Industrial Manufactory, Limited. Electric motor. 4,851,729, 7-25-89, Cl. 310-239.000.

Baines, Roger F., to Johnson Electric Industrial Manufactory, Ltd. Assembled commutators. 4,855,632, 8-8-89, Cl. 310-233.000.

Baines, Roger F.: *See—*

Wang, Patrick S.-C.; and Baines, Roger F., 4,876,474, Cl. 310-236.000.

Bains, Kuldip S., to General DataComm, Inc. Framing algorithm for bit interleaved time division multiplexer. 4,881,224, 11-14-89, Cl. 370-82.000.

Bains, Kuldip S., to General DataComm, Inc. Algorithm for selecting channels for multiplexer frame. 4,888,770, 12-19-89, Cl. 370-110.100.

Baiocchi, Fred: *See—*

Goode, Stephen T.; Linton, Robert R.; and Baiocchi, Fred, 4,822,601, Cl. 424-59.000.

Bair, Keith A.: *See—*

Chen, Fu; and Bair, Keith A., 4,851,490, Cl. 526-278.000.

Chen, Fu; and Bair, Keith A., 4,886,617, Cl. 252-180.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Benzo[c]carbazole propanediol compound and salts thereof. 4,797,495, 1-10-89, Cl. 548-420.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Anthracene derivatives. 4,803,221, 2-7-89, Cl. 514-510.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Fluoranthene derivatives. 4,803,222, 2-7-89, Cl. 514-510.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Anthracene derivatives. 4,803,226, 2-7-89, Cl. 514-655.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Phenanthrene derivatives. 4,808,625, 2-28-89, Cl. 514-654.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Fluoranthene derivatives. 4,808,632, 2-28-89, Cl. 514-727.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Carbocyclic derivatives. 4,808,753, 2-28-89, Cl. 564-387.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Chrysene compound. 4,810,727, 3-7-89, Cl. 514-655.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Carbocyclic derivatives. 4,810,823, 3-7-89, Cl. 564-387.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Carbocyclic derivatives. 4,814,502, 3-21-89, Cl. 564-387.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Carbocyclic derivatives. 4,818,443, 4-4-89, Cl. 260-501.180.

Bair, Kenneth W., to Burroughs Wellcome Co. Pyrene derivatives. 4,820,873, 4-11-89, Cl. 564-387.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Carbocyclic derivatives. 4,827,034, 5-2-89, Cl. 564-387.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Chrysene derivatives. 4,829,090, 5-9-89, Cl. 514-655.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Tetracyclic thiophene derivatives. 4,855,453, 8-8-89, Cl. 549-42.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Acenaphtho[1,2b-]quinolinylmethylamino derivatives and pharmaceutical compositions containing them. 4,866,070, 9-12-89, Cl. 514-280.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Acridinylmethylamino derivatives and pharmaceutical compositions containing them. 4,866,073, 9-12-89, Cl. 514-297.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Benzo[c] carbazole propanediol containing anti tumor compositions and use. 4,873,258, 10-10-89, Cl. 514-411.000.

Bair, Kenneth W., to Burroughs Wellcome Co. Carbocyclic derivatives. 4,882,358, 11-21-89, Cl. 514-654.000.

Baird, Brian W.; and Levy, Martin, to Lockheed Corporation. Conductive infrared window. 4,826,266, 5-2-89, Cl. 350-1.100.

Baird, Charles A., to Harris Corp. Map-aided navigation system employing TERCOM-SITAN signal processing. 4,829,304, 5-9-89, Cl. 342-63.000.

Baird Corporation: *See—*

Westell, William E., 4,797,745, Cl. 358-169.000.

Baird, David P.: *See—*

Lapetina, Robert A.; Snow, Gordon L.; and Baird, David P., 4,864,179, Cl. 310-337.000.

Baird, Eric A. Kite load-releasing device. 4,842,222, 6-27-89, Cl. 244-155.00R.

Baird, Gary K., to Halliburton Company. Three magnet casing collar locator. 4,808,925, 2-28-89, Cl. 324-221.000.

Baird, Gary K., to Halliburton Logging Services, Inc. Hydraulic circuit use in wireline formation tester. 4,884,439, 12-5-89, Cl. 73-155.000.

Baird, Gary K.: *See—*

Purfurst, Ernest H.; and Baird, Gary K., 4,843,878, Cl. 73-155.000.

Baird, Howard R., Jr. Elastomer sieve screen. 4,832,834, 5-23-89, Cl. 209-397.000.

Baird, James C.; Japikse, Cornelis H.; Quigley, Steven F.; and Simpson, Edward J., to Procter & Gamble Company, The. Multi-layered plastic bottle having integrally formed handle and method of making. 4,846,359, 7-11-89, Cl. 215-12.200.

Baird, Lincoln F. Orthopedic chair. 4,872,223, 10-10-89, Cl. 4-480.000.

Baird, Richard M.: *See—*

Pudney, Jack L.; and Baird, Richard M., 4,835,692, Cl. 364-424.010.

Baird, Robert M.: *See—*

Breeze, Glenn S.; and Baird, Robert M., 4,837,480, Cl. 313-346.0DC.

Baird, Thomas E.: *See—*

Grzywna, Stanley E.; Lackner, John R.; and Baird, Thomas E., 4,829,624, Cl. 15-320.000.

Baird, William C., Jr., to Exxon Research and Engineering Company. Polymetallic reforming catalysts and their preparation. 4,812,435, 3-14-89, Cl. 502-227.000.

Baird, William E.; and Tolan, Peter J. Apparatus for measuring small changes in liquid level in a container. 4,848,150, 7-18-89, Cl. 73-296.000.

Baird, William E.: *See—*

Tolan, Peter J.; and Baird, William E., 4,811,601, Cl. 73-29.00B.

Baisden, C. Robert. Method of extracting lipids from foodsuffs. 4,816,274, 3-28-89, Cl. 426-417.000.

Baisz, George J.; and Colleran, Stephen A., to Molex Incorporated. Accessory fuse block. 4,846,733, 7-11-89, Cl. 439-622.000.

Baize, Dominique; Cleand, Maurice; and Minard, Serge, to Electricite de France. Computing installation with automatic terminal switching and a terminal adapted to such switching. 4,800,484, 1-24-89, Cl. 364-200.000.

Baize, Thomas H.: *See—*
- Leach, Jack S.; and Baize, Thomas H., 4,830,761, Cl. 210-785.000.

BAJ Limited: *See—*
- Dimmock, Ivan H., 4,805,796, Cl. 220-89.00A.
- Gough, Richard J., 4,846,363, Cl. 220-3.000.
- Honey, Francis J.; Kedward, Eric C.; and Foster, John, 4,810,334, Cl. 204-16.000.

Bajada, Serge. Apparatus for testing the sensory system on humans or animals. 4,823,806, 4-25-89, Cl. 128-744.000.

Bajcar, Miles: *See—*
- Hubert, Jean-Luc; Harvey, Todd; and Bajcar, Miles, 4,813,245, Cl. 62-380.000.

Bajgrowicz, Edward J.: *See—*
- Heckaman, Douglas E.; Higman, Roger H.; Frisco, Jeffrey A.; and Bajgrowicz, Edward J., 4,851,793, Cl. 333-1.000.

Baji, Toru; Matsuura, Tatsuji; Tsukada, Toshiro; and Ohba, Shinya, to Hitachi, Ltd. Digital video signal processor. 4,825,287, 4-25-89, Cl. 358-160.000.

Bajulaz, Roger. Internal combustion engine. 4,809,511, 3-7-89, Cl. 60-712.000.

Bajulaz, Roger, to Reduto S.A. Mechanical reducer. 4,841,811, 6-27-89, Cl. 74-804.000.

Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, to Eszakmagyarorszagi Vegyimuvek. Elective herbicide compositions having a prolonged action containing α-chloroacetamide derivatives as active ingredient. 4,804,405, 2-14-89, Cl. 71-118.000.

Bajusz, Sandor: *See—*
- Schally, Andrew V.; and Bajusz, Sandor, 4,800,191, Cl. 514-15.000.

Bajzer, William X.; Bixler, Robert L., Jr.; Meddaugh, Michael D.; and Wright, Antony P., to Dow Corning Corporation. Catalyst composition and process for its preparation. 4,798,818, 1-17-89, Cl. 502-228.000.

Bak, Claude; Bellocci, Rio; Gourmel, Yves; and Pierrel, Michel, to Pont-A-Mousson S.A. Method and installation for the continuous manufacture of pipes from spheroidal graphite cast-iron having a controlled structure. 4,800,949, 1-31-89, Cl. 164-460.000.

Bak, Donnell E. Mortuary display platform. 4,879,789, 11-14-89, Cl. 27-11.000.

Bak, Henning: *See—*
- Due, Jorgen; Graves, Bjarne; and Bak, Henning, 4,861,535, Cl. 264-103.000.

Bak, Michael J., to Williams International Corporation. Swirl stabilized ram air turbine engine. 4,819,424, 4-11-89, Cl. 60-39.183.

Bakal, Abraham I.; and Eisenstadt, Marvin E., to Cumberland Packing Corp. Butter flavored granules. 4,844,921, 7-4-89, Cl. 426-98.000.

Bakal, Abraham I.: *See—*
- Amen, Ronald C.; Smith, Christine F.; and Bakal, Abraham I., 4,851,239, Cl. 426-43.000.
- Stroz, John J.; and Bakal, Abraham I., 4,820,528, Cl. 426-3.000.

Bakalar, Michael J. Releasable fencing apparatus. 4,800,630, 1-31-89, Cl. 256-47.000.

Bakanowski, Stephen M.; and Mapes, William H., to General Electric Company. Method for testing the operability of a refrigerant system. 4,811,567, 3-14-89, Cl. 62-129.000.

Bakas, Steve T.; and Barger, Paul T., to UOP. Catalytic composition for the alkylation and transalkylation of aromatic hydrocarbons. 4,826,801, 5-2-89, Cl. 502-64.000.

Bakas, Steve T.; and Barger, Paul T., to UOP. Catalytic composition and process for the alkylation and transalkylation of aromatic hydrocarbons. 4,849,570, 7-18-89, Cl. 585-467.000.

Bakas, Steve T.; and Barger, Paul T., to UOP. Catalytic composition and process for the transalkylation of aromatic hydrocarbons. 4,861,935, 8-29-89, Cl. 585-474.000.

Bakas, Steve T.; and Barger, Paul T., to UOP. Alkylation/transalkylation process. 4,870,222, 9-26-89, Cl. 585-323.000.

Bakay, Arpad; Boda, Janos; Forgo, Laszlo; Papp, Istvan; Kovacs, Gyula; and Laszlo, Karoly, to Kulkereskedelmi Transelektro Magyar Villamossagi Vallalat. Turbulent heat exchanger. 4,830,102, 5-16-89, Cl. 165-151.000.

Bake, Willem J.: *See—*
- Abramson, Patrick B.; and Bake, Willem J., 4,821,437, Cl. 40-642.000.

Baken, Nicolaius H. G., to Staat der Nederlanden. Electro-optically induced optical waveguide, and active devices comprising such a waveguide. 4,867,516, 9-19-89, Cl. 350-96.140.

Baker, Alan S.: *See—*
- Cooper, John; and Baker, Alan S., 4,822,433, Cl. 149-2.000.

Baker, Alvin W.; and Martin, Patrick H., to Dow Chemical Company, The. Toughening of cured vinyl ester resins by inclusion in the uncured resins of oligomeric vinyl-reactive urethanes which phase out upon curing. 4,824,919, 4-25-89, Cl. 525-502.000.

Baker, Anthony P., to ITT Defense Communications, a division of ITT Corporation. Liquid crystal wave division device. 4,813,769, 3-21-89, Cl. 350-347.00E.

Baker, Bernard S., to Energy Research Corporation. Fuel cell apparatus for internal reforming. 4,877,693, 10-31-89, Cl. 429-19.000.

Baker, Brian J.: *See—*
- Webster, Elizabeth A.; Newell, John C.; Baker, Brian J.; and Claes, Paul E., 4,815,067, Cl. 369-97.000.

Baker Brian K.; Hwan, Rei-Nan R.; and Leu, Lori A., to Texaco Inc. Differential pressure sensing means and method. 4,827,772, 5-9-89, Cl. 73-716.000.

Baker, Brian N.: *See—*
- Campbell, John S.; Baker, Brian N.; and Katyal, Anil, 4,840,774, Cl. 423-79.000.

Baker, Bruce E.: *See—*
- Larock, Richard C.; and Baker, Bruce E., 4,879,426, Cl. 585-469.000.

Baker, Bruce G.; Clark, Neville J.; McArthur, Hamish; and Summerville, Edward, to Flinders University of South Australia, The. Catalysts. 4,827,075, 5-2-89, Cl. 585-671.000.

Baker, Bryce T.: *See—*
- Woodson, Jerry P.; Martin, R. Craig; and Baker, Bryce T., 4,821,467, Cl. 51-436.000.

Baker CAC, Inc.: *See—*
- Gaspard, Preston T.; Holmes, Lewis D., Jr.; and Theis, James V., 4,809,510, Cl. 60-648.000.

Baker, Charles D.; Brimhall, Owen D.; and Messinger, James E., to Separation Technology, Inc. Hematocrit reader apparatus and method. 4,887,458, 12-19-89, Cl. 73-61.10R.

Baker, Charles D.: *See—*
- Brimhall, Owen D.; Peterson, Stephen C.; Baker, Charles D.; and Riddle, Merwyn D., 4,854,170, Cl. 73-570.000.
- Sparks, Sam L.; Brimhall, Owen D.; Peterson, Stephen C.; and Baker, Charles D., 4,850,963, Cl. 600-29.000.

Baker, Charles L.: *See—*
- Cody, George D.; Joseph, Craig A.; Sela, Uri; and Baker, Charles L., 4,824,016, Cl. 239-8.000.

Baker, Charles R.; and Nelson, Albert B., to Saturn Corporation. Engine oil pump. 4,827,881, 5-9-89, Cl. 123-196.00R.

Baker, Clifford E.: *See—*
- Carlton, Dale E.; Baker, Clifford E.; and Henricksen, Ronald M., 4,876,655, Cl. 364-487.000.

Baker Colony Farms Ltd.: *See—*
- Maendel, Benjamin, 4,888,468, Cl. 219-347.000.

Baker Cummins Pharmaceuticals, Inc.: *See—*
- Atkinson, David C.; Fishman, Jack; and Sherman, Fred P., 4,863,928, Cl. 514-282.000.
- Fishman, Jack; Arnold, John; Sherman, Fred; and Hsiao, Jane, 4,873,076, Cl. 424-10.000.
- Frost, Phillip, 4,880,813, Cl. 514-282.000.
- Hsiao, Charles, 4,874,613, Cl. 424-458.000.
- Sherman, Fred P.; and Atkinson, David C., 4,857,533, Cl. 514-282.000.
- Sherman, Fred P., 4,877,791, Cl. 514-282.000.

Baker, Daniel C.; Stashak, Robert M.; Owens, William P.; and Gessner, Gregory B., to F. Korbel and Bros. Method and apparatus for riddling wine in bottles. 4,841,848, 6-27-89, Cl. 99-277.200.

Baker, Daniel G.; Cooper, William J.; and Penney, Bruce J., to Tektronix, Inc. Recursive noise reduction filter for video test apparatus. 4,890,158, 12-26-89, Cl. 358-10.000.

Baker, Daniel G.: *See—*
- Ainsworth, Kenneth M.; and Baker, Daniel G., 4,864,386, Cl. 358-10.000.

Baker, David C.; Hand, Ellis S.; Haugwitz, Rudiger D.; and Narayanan, Venkatachala L., to University of Alabama, The. 5-cyanopyridine-[illegible] diazohydroxide, basic salts and use. 4,816,468, 3-28-89, Cl. 514-344.000.

Baker, David C.; Hand, Elli S.; Haugwitz, Rudiger D.; Narayanan, Venkatachala L.; and Rampal, Jang B., to University of Alabama-Board of Trustees. Pyrazine diazohydroxide compositions and method of use as cytostatic agent. 4,845,101, 7-4-89, Cl. 514-255.000.

Baker, David G.: *See—*
- Frankel, Robert D.; Martin, Marc J.; Baker, David G.; and Duf[illegible] Thomas L., 4,870,6[illegible]8, Cl. 378-34.000.

Baker, David L. Chemical reformer. 4,842,692, 6-27-89, Cl. 201-23.000.

Baker, David L. Chemical reformer. 4,842,728, 6-27-89, Cl. 210-180.000.

Baker, David R. Open end ratchet type wrench. 4,889,020, 12-26-89, Cl. 81-119.000.

Baker, David S.: *See—*
- Lauritzen, Ann M.; Baker, David S.; Christiansen, Margot H.; Johnson, Beamon M.; and Schuren, John G., 4,874,879, Cl. 549-536.000.

Baker, Dennis L.; Kirckof, Steven S.; Morse, Dan J.; and Piotrowski, Chester, to Minnesota Mining and Manufacturing Company. Remotely detectable sterilization monitor. 4,850,716, 7-25-89, Cl. 374-160.000.

Baker, Don R.; and Brownell, Keith H., to ICI Americas Inc. Fungicidal pyridyl carbamates. 4,797,407, 1-10-89, Cl. 514-346.000.

Baker, Don R.; Brownell, Keith H.; and Kezerian, Charles, to Stauffer Chemical Company. Fungicidal carbanilates. 4,797,416, 1-10-89, Cl. 514-485.000.

Baker, Don R.; Walker, Francis H.; and Brownell, Keith H. Fungicidal pyridyl sulfenyl carbamates. 4,800,205, 1-24-89, Cl. 514-346.000.

Baker, Don R., to Stauffer Chemical Co. Herbicide antidotes. 4,802,91[illegible], 2-7-89, Cl. 71-100.000.

Baker, Don R.; and Brownell, Keith H., to Stauffer Chemical Co. Fungicidal pyridyl cyclopropane carboxamides. 4,808,600, 2-28-89, Cl. 514-346.000.

Baker, Don R.; and Brownell, Keith H., to ICI Americas Inc. Fungicidal pyridyl iminocarbonates. 4,824,854, 4-25-89, Cl. 514-346.000.

Baker, Don R.; and Brownell, Keith H., to ICI Americas Inc. Fungicidal pyridyl cyclopropane carboxamidines. 4,831,044, 5-16-89, Cl. 514-349.000.

Baker, Don R.; and Brownell, Keith H., to ICI Americas Inc. Fungicidal N-pyridyl haloamides. 4,845,107, 7-4-89, Cl. 514-346.000.

Baker, Don R.; Brownell, Keith H.; and Kezerian, Charles, to Stauffer Chemical Company. Fungicidal carbanilates. 4,880,831, 11-14-89, Cl. 514-485.000.

Baker, Donal E.; Fox, David A.; and Thornton, Roger D., to Westinghouse Electric Corp. Method and circuit for voltage regulation of DC power sources. 4,807,106, 2-21-89, Cl. 363-84.000.

Baker, Donald A.: *See—*
- Lemieux, Raymond U.; Ratcliffe, Robert M.; and Baker, Donald A., 4,855,126, Cl. 424-9.000.
- Lemieux, Raymond U.; Ratcliffe, Robert M.; and Baker, Donald A., 4,866,041, Cl. 514-23.000.

Baker, Donald B.; and Hulett, Vanessa, to Pro-Mark Companies, Inc., The. Low fat custard-type yogurt product and method. 4,837,035, 6-6-89, Cl. 426-43.000.

Baker, Donald B.; and Hulett, Vanessa, to Pro-Mark Companies, Inc., The. Low fat thin-bodied yogurt product and method. 4,837,036, 6-6-89, Cl. 426-43.000.

Baker, Donald E.; Byrne, Joe L.; Muller, Leo R.; and Schmidt, Phillip L., to Allied-Signal Inc. Turbocharger turbine housing particulate debris trap. 4,867,634, 9-19-89, Cl. 415-121.200.

Baker, Eddie G.: *See—*
- Elliott, Douglas C.; and Baker, Eddie G., 4,795,841, Cl. 585-240.000.
- Mudge, Lyle K.; Brown, Michael D.; Wilcox, Wayne A.; and Baker, Eddie G., 4,865,625, Cl. 48-197.00R.

Baker, Edwin T.; Neilson, George V.; and Stumpf, George R., Jr., to Boeing Company, The. Method and apparatus for handling plies of composite material. 4,861,406, 8-29-89, Cl. 156-230.000.

Baker, Ernest D.: *See—*
- Ovies, Hernando; Katz, Neil A.; Farrell, Robert H.; and Baker, Ernest D., 4,825,357, Cl. 364-200.000.

Baker, Frank K.; Pfiester, James R.; and Hart, Charles F., to Motorola, Inc. EPROM device using asymmetrical transistor characteristics. 4,852,062, 7-25-89, Cl. 365-185.000.

Baker, Frank K.: *See—*
- Holly, Patrick J.; Parrillo, Louis C.; and Baker, Frank K., 4,801,555, Cl. 437-29.000.
- Pfiester, James R.; and Baker, Frank K., 4,811,066, Cl. 357-23.500.

Baker, Frederick J.: *See—*
- Hart, John H.; and Baker, Frederick J., 4,809,265, Cl. 370-85.000.

Baker, George E., to Amchem Company Limited. Electrode shaping. 4,850,147, 7-25-89, Cl. 51-72.00R.

Baker, George S.; and Rothman, Herbert B. Tuned mass damping system and method. 4,807,840, 2-28-89, Cl. 248-559.000.

Baker, Gerald; Beierwaltes, Craig; Gardner, William; and Weber, Charles. Method and apparatus for dispensing powder in a printing press. 4,867,063, 9-19-89, Cl. 101-424.200.

Baker, Gerald N.: *See—*
- Aussieker, David F.; Baker, Gerald N.; and Bushor, Ray E., 4,843,705, Cl. 29-598.000.

Baker, Gerald S.; and Mefford, David R., to Cameron Iron Works USA, Inc. Heat sensitive shaft locking apparatus and valve using same. 4,827,963, 5-9-89, Cl. 137-75.000.

Baker, Gerald S., to Cameron Iron Works USA, Inc. Magnetic sensing proximity detector. 4,837,539, 6-6-89, Cl. 335-207.000.

Baker, Gerald S., to Cameron Iron Works USA, Inc. Valve override mechanism. 4,844,407, 7-4-89, Cl. 251-14.000.

Baker, Gerald S., to Cameron Iron Works USA, Inc. Gate valve with supplemental actuator. 4,871,143, 10-3-89, Cl. 251-58.000.

Baker, Gerald S.: *See—*
- Cassity, Thomas G.; Montgomery, William C.; Baker, Gerald S.; Wedel, Alfred W.; and Taylor, William M., 4,862,426, Cl. 367-81.000.

Baker, Glen; Chau, Albert W.; Fikse, James A.; and Mercer, John E., to FlowMole Corporation. Technique for providing an underground tunnel utilizing a powered boring device. 4,856,600, 8-15-89, Cl. 175-26.000.

Baker, Glen C.; Chau, Albert W.; Fikse, James A.; and Mercer, John E., to FlowMole Corporation. Technique for providing an underground tunnel utilizing a powered boring device. 4,821,815, 4-18-89, Cl. 175-26.000.

Baker, Glen O.; Feldman, Dmitry; Ng, Shiu S.; Chau, Albert W.; and Mercer, John E., to FlowMole Corporation. Technique for steering a downhole hammer. 4,867,255, 9-19-89, Cl. 175-61.000.

Baker, Glenn D.: *See—*
- Murphy, Richard J.; and Baker, Glenn D., 4,827,259, Cl. 341-123.000.

Baker, Gordon D.: *See—*
- Gossen, Richard N., Jr.; Bruncke, William C.; and Baker, Gordon D., 4,883,543, Cl. 437-37.000.

Baker, Gregory G.; and Boyle, Edward F., to Roboptek, Inc. Wafer centration device. 4,880,348, 11-14-89, Cl. 414-783.000.

Baker, Gregory L.; and Klausner, Cynthia F., to Bell Communications Research, Inc. Fabrication of polydiacetylene waveguides. 4,824,522, 4-25-89, Cl. 156-643.000.

Baker, Gregory L.; Jackel, Janet L.; and Schlotter, Nicholas E., to Bell Communications Research, Inc. Composite channel waveguides. 4,834,480, 5-30-89, Cl. 350-96.120.

Baker, Gregory L.; Bowden, Murrae J. S.; Gozdz, Antoni S.; and Klausner, Cynthia F., to Bell Communications Research, Inc. Silicon-containing polymers as resists. 4,863,834, 9-5-89, Cl. 430-286.000.

Baker, Harold A.: *See—*
- Rehn, Bryce H.; Penick, Ronald J.; Esters, Daniel W.; and Baker, Harold A., 4,829,956. Cl. 123-198.0DB.

Baker, Herbert R. Apparatus and method for chipping and/or shredding branches and the like. 4,824,034, 4-25-89, Cl. 241-101.200.

Baker, Herbert R. Protective bearings guard. 4,826,331, 5-2-89, Cl. 384-145.000.

Baker, Herbert R. Apparatus for chipping and/or shredding branches and the like. 4,834,302, 5-30-89, Cl. 241-92.000.

Baker Hughes: *See—*
- Lillywhite, M. James; and Horn, Michael J., 4,840,263, Cl. 220-5.00A.

Baker Hughes Incorporated: *See—*
- Baugh, J. L., 4,825,954, Cl. 166-382.000.
- Baugh, J. Lindley; Fraser, James M., III; and Melenyzer, George J., 4,848,469, Cl. 166-382.000.
- Baugh, John L.; and Nevels, David L., 4,842,069, Cl. 166-285.000.
- Beimgraben, Herbert W., 4,817,740, Cl. 175-74.000.
- Berzin, Vel; and Mendez, Luis E., 4,840,231, Cl. 166-387.000.
- Carlin, Frank J.; and Wafford, Terrell F., 4,796,928, Cl. 285-334.000.
- Carlin, Frank J.; and Wafford, Terrell F., 4,838,068, Cl. 72-340.000.
- Coronado, Martin P., 4,832,120, Cl. 166-187.000.
- Curington, Alfred R.; and Arizmendi, Napoleon, 4,798,243, Cl. 166-65.100.
- Davis, Steven S., 4,882,049, Cl. 210-225.000.
- Donovan, Joseph F.; Spatz, Edward C.; Salerni, John V.; Peterson, Elmer R.; and Weirich, John B., 4,856,591, Cl. 166-278.000.
- Durham, Daniel K.; Conkle, Urban C.; and Downs, Hartley H., 4,855,060, Cl. 210-708.000.
- Frisby, Raymond A.; and Conover, George E., 4,887,931, Cl. 405-171.000.
- Guzy, Ray L.; and Livingston, David W., 4,820,764, Cl. 524-512.000.
- Halbardier, Anna L., 4,805,699, Cl. 166-387.000.
- Halbardier, Anna L., 4,869,325, Cl. 166-387.000.
- Halbardier, Floyd A., deceased, 4,796,707, Cl. 166-387.000.
- Holder, Danny J., 4,869,324, Cl. 166-387.000.
- Hopmann, Mark, 4,823,872, Cl. 166-217.000.
- Ilfrey, William T.; Spatz, Edward C.; Peterson, Elmer R.; and Moran, William, 4,858,691, Cl. 166-278.000.
- Lehr, Douglas J.; Bell, Merle L.; Rubbo, Richard P.; and Forehand, Richard L., 4,872,510, Cl. 166-327.000.
- Lembcke, Jeffrey J., 4,796,708, Cl. 166-386.000.
- Lembcke, Jeffrey J.; and Shaw, Brian, 4,811,792, Cl. 166-381.000.
- McIntosh, Ronald M.; Rentzel, Richard T.; Stewart, Robert W.; and Daugherty, Daniel L., 4,859,200, Cl. 439-275.000.
- Parrish, John D.; and Bellamy, Rodney A., 4,794,822, Cl. 76-108.00A.
- Perricone, Alphonse C.; Clapper, Dennis K.; and Enright, Dorothy P., 4,830,765, Cl. 252-8.510.
- Sheth, Ketankumar K., 4,838,758, Cl. 415-140.000.
- Stout, Gregg W., 4,830,120, Cl. 175-4.510.
- Walk, Howard J.; and Hern, Gregory L., 4,832,135, Cl. 175-53.000.
- Wallbillich, Thomas J., III. 4,815,540, Cl. 166-377.000.
- Yates, Donald N., Jr., 4,829,901, Cl. 102-306.000.
- Yates, Donald N., Jr., 4,886,126, Cl. 175-4.540.

Baker, Ian M., to U.S. Philips Corp. Imaging devices comprising photovoltaic detector elements. 4,833,515, 5-23-89, Cl. 357-24.000.

Baker, Ian M.; and King, Raymond E. J., to U.S. Philips Corp. Imaging devices comprising photodetector elements. 4,845,540, 7-4-89, Cl. 357-24.000.

Baker Industries, Inc.: *See—*
- Vogt, William R., 4,850,018, Cl. 380-23.000.
- Vogt, William R., 4,853,685, Cl. 340-825.170.

Baker International Corporation: *See—*
- DiGregorio, David; Biesinger, Mark G.; and Riser, Frederick M., 4,869,818, Cl. 210-194.000.
- LeBegue, Maurice K.; and Wilson, Henry E., 4,840,432, Cl. 299-64.000.
- Olavson, Lars G., 4,816,042, Cl. 55-92.000.

Baker, Jacqueline M. Method and apparatus for making personalized playing cards. 4,817,528, 4-4-89, Cl. 101-395.000.

Baker, James A., to General Motors Corporation. Serviceable threaded conduit coupling. 4,836,584, 6-6-89, Cl. 285-351.000.

Baker, James A., to General Motors Corporation. Refrigeration system oil measurement and sampling device. 4,866,994, 9-19-89, Cl. 73-863.120.

Baker, James G., to Polaroid Corporation. Camera and two-element viewfinder. 4,812,864, 3-14-89, Cl. 354-224.000.

Baker, James K., to Dragon Systems, Inc. Speech recognition method. 4,803,729, 2-7-89, Cl. 381-43.000.

Baker, James K.; and Gillick, Laurence, to Dragon Systems, Inc. Method for speech recognition. 4,805,219, 2-14-89, Cl. 381-43.000.

Baker, James K., to Dragon Systems, Inc. Interactive speech recognition apparatus. 4,866,778, 9-12-89, Cl. 381-43.000.

Baker, James K.: *See—*
- Bamberg, Paul G.; Baker, James K.; Gillick, Laurence; and Roth, Robert S., 4,805,218, Cl. 381-43.000.
- Gillick, Laurence; Bamberg, Paul G.; Baker, James K.; and Roth, Robert S., 4,837,831, Cl. 381-43.000.

Baker, James W. Magnetic tape backup device for use with a floppy disk drive. 4,890,179, 12-26-89, Cl. 360-132.000.

Baker, Jeffrey A.: *See—*
- Tan, J. Kie S.; Baker, Jeffrey A.; and Jones, Daniel A., 4,825,879, Cl. 128-633.000.
- Tan, Josef K. S.; Baker, Jeffrey A.; Beczkiewicz, Pawel J.; and George, John J., 4,825,872, Cl. 128-633.000.

Baker, Jess J. Solder dip fixture. 4,869,202, 9-26-89, Cl. 118-425.000.

Baker, Joel C.: *See—*
Dome, Ernest M.; Baker, Joel C.; and Fakatselis, Thanassi E., 4,869,882, Cl. 423-206.00T.

Baker, John M.; Callegari, Alessandro C.; Lacey, Dianne L.; and Shih, Yih-Cheng, to International Business Machines Corporation. Ohmic contacts for semiconductor devices and method for forming ohmic contacts. 4,853,346, 8-1-89, Cl. 437-184.000.

Baker, John R.; Spencer, Timothy T.; and Cornia, Paul B., to Hughes Aircraft Company. System for diagnosing defects in electronic assemblies. 4,847,795, 7-11-89, Cl. 364-579.000.

Baker, John W. Cranial perforator. 4,803,982, 2-14-89, Cl. 128-310.000.

Baker, John W., to Intech, Inc. Cranial perforator with reentrant cutting segment. 4,884,571, 12-5-89, Cl. 128-310.000.

Baker, Joseph R. Zone selector and locking mechanism for sequencing valve. 4,796,657, 1-10-89, Cl. 137-119.000.

Baker, Joseph R.; Golland, Wesley A.; Mullens, Paul A.; and Trimble, Roger B., to Cubic Western Data. Farebox security device. 4,877,179, 10-31-89, Cl. 232-7.000.

Baker, Keith G. Relating to energy conversion apparatus. 4,878,807, 11-7-89, Cl. 416-7.000.

Baker, Lionel R., to Sira Limited. Apparatus and method for surface inspection with test and reference channel comparison. 4,845,356, 7-4-89, Cl. 250-225.000.

Baker, Louis; and Holland, Gerald W., to Baker Rubber, Inc. Fabric reinforced rubber product having molded isolator bushings. 4,796,841, 1-10-89, Cl. 248-60.000.

Baker, Marion A. Preserved flowers and other substrates. 4,808,447, 2-28-89, Cl. 428-17.000.

Baker Metal Products: *See—*
Baker, Robert F., 4,845,912, Cl. 52-483.000.

Baker, Michael E. Heating system. 4,827,102, 5-2-89, Cl. 219-211.000.

Baker Oil Tools, Inc.: *See—*
Berzin, Vel, 4,838,349, Cl. 166-187.000.
Carmody, Michael A.; and Lembcke, Jefferey J., 4,796,705, Cl. 166-323.000.
Harris, Gary L., 4,862,967, Cl. 166-387.000.
Nelson, John A.; and Stout, Gregg W., 4,817,718, Cl. 166-297.000.
Nelson, John A.; and Stout, Gregg W., 4,880,056, Cl. 166-51.000.
Stone, Patrick C.; Luke, Mike A.; and Ingram, Gary D., 4,836,278, Cl. 166-115.000.

Baker, Otis M.; Critchfield, Frank E.; and Westfall, Paul M., to Union Carbide Corporation. Process for producing flexible polyurethane foam using hexahydro-S-triazine catalysts. 4,814,359, 3-21-89, Cl. 521-129.000.

Baker, Patrick J., to Eli Lilly and Company. Chromatographic purification process. 4,874,843, 10-17-89, Cl. 530-317.000.

Baker, Paul A.: *See—*
Arnold, Richard M.; Baker, Paul A.; Drucker, Coleen A.; Gashler, Robert J.; Lipari, Dominic T.; Robin, Max S.; and Schell, Howard C., 4,806,107, Cl. 439-79.000.

Baker, Paul E.: *See—*
Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.300.

Baker, Paulette, to Synthetic Products Company. Molded vinyl halide resin (PVC) flooring compositions having reduced water absorption. 4,814,369, 3-21-89, Cl. 524-287.000.

Baker Performance Chemicals Inc.: *See—*
Cizek, Arthur, 4,871,024, Cl. 166-307.000.

Baker Perkins plc: *See—*
Hill, Derek A., 4,852,412, Cl. 73-863.850.

Baker, Ralph. Pipeline joint protector. 4,808,031, 2-28-89, Cl. 405-168.000.

Baker, Ralph; and Foulkes, Stephen N., to Ferodo Limited. Sintered metal friction facing. 4,871,394, 10-3-89, Cl. 75-232.000.

Baker, Ralph E.; and Landherr, Gordon G., to Ampro Photo Workshops Limited. Apparatus to move negatives. 4,840,415, 6-20-89, Cl. 294-1.100.

Baker, Richard; Helm, Verne; and Shrock, Paul, to Pharmetrix Corp. Portable controlled release osmotic infusion device. 4,838,862, 6-13-89, Cl. 604-892.100.

Baker, Richard M.; and Jones, Jeffrey L. Football target assembly. 4,826,166, 5-2-89, Cl. 273-55.00R.

Baker, Richard W.; and Ninomiya, Yasuo, to Bend Research, Inc. Microcapsules prepared by coacervation. 4,808,408, 2-28-89, Cl. 424-408.000.

Baker, Richard W.; Kochinke, Frank; and Huang, Carl, to Pharmetrix Corporation. Novel transdermal nicotine patch. 4,839,174, 6-13-89, Cl. 424-447.000.

Baker, Richard W.; Louie, Jenny; Pfromm, Peter H.; and Wijmans, Johannes G., to Membrane Technology & Research, Inc. Ultrathin composite metal membranes. 4,857,080, 8-15-89, Cl. 55-16.000.

Baker, Robert A.; and Tatum, James H., to United States of America, Agriculture. Napthoquinone antibiotics from fuserium solani. 4,837,399, 6-6-89, Cl. 514-468.000.

Baker, Robert A.: *See—*
Byron, Kevin C.; Bricheno, Terry; Fielding, Alan; Pitt, Nicholas J.; and Baker, Robert A., 4,863,231, Cl. 350-96.160.
Rayfield, Jerry W.; Baker, Robert A.; and Weber, Kenneth E., 4,835,195, Cl. 523-220.000.
Russell, William F.; McDavid, William T.; and Baker, Robert A., 4,864,546, Cl. 367-41.000.

Baker, Robert C.; Fugigaki, Arturo H.; Lu, Choing-Liang; and Hotchkiss, Joseph H., to Cornell Research Foundation, Inc. Complete poultry product and process of making. 4,849,232, 7-18-89, Cl. 426-92.000.

Baker, Robert E.: *See—*
Menown, Hugh; Baker, Robert E.; and Cullum, Leonard R., 4,890,034, Cl. 313-595.000.

Baker, Robert F., to Baker Metal Products. Self-aligning architectural panel assembly. 4,845,912, 7-11-89, Cl. 52-483.000.

Baker, Robert G.: *See—*
Lewis, William A.; and Baker, Robert G., 4,801,051, Cl. 222-309.000.

Baker, Robert K.: *See—*
Witzel, Bruce E.; Baker, Robert K.; Durette, Philippe L.; and Frankshun, Robert A., 4,814,501, Cl. 564-162.000.

Baker, Robert L.: *See—*
Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.
Davis, Gail F.; Baker, Robert L.; Bragg, Dale E.; and Stegemoeller, Calvin L., 4,854,714, Cl. 366-132.000.
Davis, Gail F.; and Baker, Robert L., 4,872,794, Cl. 410-54.000.

Baker, Robert M.: *See—*
Estabrook, Andrew R.; Shook, Laura A.; Daguio, Gerard N.; and Baker, Robert M., 4,846,545, Cl. 350-96.210.

Baker, Robert W., to AMP Incorporated. Locking clip. 4,795,351, 1-3-89, Cl. 439-92.000.

Baker, Robert W., to AMP Incorporated. Electrical terminal. 4,806,120, 2-21-89, Cl. 439-399.000.

Baker, Rodney C., to AECI Limited. Insecticidal composition. 4,874,753, 10-17-89, Cl. 514-89.000.

Baker, Roger L.: *See—*
Scovell, Peter D.; Blomley, Peter F.; and Baker, Roger L., 4,845,532, Cl. 357-43.000.
Scovell, Peter D.; Blomley, Peter F.; and Baker, Roger L., 4,849,364, Cl. 437-31.000.

Baker, Roscoe A.: *See—*
Bremmer, Robin J.; and Baker, Roscoe A., 4,869,219, Cl. 123-383.000.

Baker, Ross G., Jr.; Whistler, Stephen J.; Ideker, Raymond E.; Calfee, Richard V.; and Haluska, Edward A., to Intermedics Inc. Biphasic waveforms for defibrillation. 4,821,723, 4-18-89, Cl. 128-419.00D.

Baker, Ross G., Jr., to Intermedics, Inc. A-V responsive rate adaptive pacemaker. 4,856,524, 8-15-89, Cl. 128-419.0PG.

Baker, Ross G., Jr.; Calfee, Richard V.; Haluska, Edward A.; and Whistler, Stephen J., to Intermedics, Inc. Implantable cardiac stimulator with automatic gain control and bandpass filtering in feedback loop. 4,880,004, 11-14-89, Cl. 128-419.0PG.

Baker, Ross G., Jr.: *See—*
Bradshaw, James I.; and Baker, Ross G., Jr., 4,858,623, Cl. 128-785.000.
Calfee, Richard V.; Adkins, Robert A.; Alt, Eckhard U.; and Baker, Ross G., Jr., 4,803,987, Cl. 128-419.0PG.
Haluska, Edward A.; Whistler, Stephen J.; Baker, Ross G., Jr.; and Calfee, Richard V., 4,830,006, Cl. 128-419.0PG.
Ideker, Raymond E.; Fine, Michael J.; Baker, Ross G., Jr.; and Calfee, Richard V., 4,827,932, Cl. 128-419.00D.

Baker Rubber, Inc.: *See—*
Baker, Louis; and Holland, Gerald W., 4,796,841, Cl. 248-60.000.

Baker, Russ J.; Hansen, Robert A.; Scott, Paul F.; and Vozenilek, Edward F., to Emhart Industries, Inc. Glass container inspection machine. 4,862,062, 8-29-89, Cl. 324-61.00R.

Baker, Samuel F.; and Braddick, Britt O., to Texas Iron Works, Inc. Method and apparatus for stage cementing a liner in a well bore having a casing. 4,854,386, 8-8-89, Cl. 166-289.000.

Baker, Samuel F.: *See—*
Arnold, Ronald D.; Atol, Gerald R.; and Baker, Samuel F., 4,854,383, Cl. 166-70.000.

Baker, Scott A.: *See—*
Bortnik, John F.; Clayman, Donald A.; and Baker, Scott A., 4,816,230, Cl. 422-232.000.

Baker, Stephen G.: *See—*
MacWilliams, David; Paton, Duncan A.; Larcombe, Arthur C.; and Baker, Stephen G., 4,850,473, Cl. 198-463.600.

Baker, Stephen R.; and Todd, Alec, to Lilly Industries Limited. Organic compounds and their pharmaceutical use. 4,845,110, 7-4-89, Cl. 514-381.000.

Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., to Bristol-Myers Company. Production of 3-allyl- and 3-butenyl-3-cephems. 4,847,373, 7-11-89, Cl. 540-215.000.

Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., to Bristol-Myers Company. 3-Unsaturated alkyl cephems from 3-triflyl cephems. 4,870,168, 9-26-89, Cl. 540-222.000.

Baker, Stephen R.; and Todd, Alec, to Lilly Industries Limited. Compound containing tetrazolyl groups and their use for treating allergic and cardiovascular disease. 4,886,885, 12-12-89, Cl. 514-381.000.

Baker, Thomas J.: *See—*
Akin, Joseph A., Jr.; and Baker, Thomas J., 4,828,171, Cl. 237-19.000.

Baker, Walter, to Otis Engineering Corporation. Connector for coil tubing or the like. 4,844,516, 7-4-89, Cl. 285-351.000.

Baker, Wesley L. Portable battery powered sprayer. 4,801,088, 1-31-89, Cl. 239-152.000.

Baker, William H., to British Aerospace Public Limited Company. Solder coating processes. 4,887,762, 12-19-89, Cl. 228-260.000.

Baker, William R.: *See—*
Robertson, James C.; and Baker, William R., 4,836,726, Cl. 410-9.000.

Baker, William T., Jr.; Buffum, Charles M.; Jolissaint, Charles H.; and Kerlin, Gregg W., to International Business Machines Corporation. Coordinated transfer of voice and information through a digital switch. 4,805,209, 2-14-89, Cl. 379-96.000.

Baker, Wm. Keith: *See—*
Theodoulou, Sotos M.; Thomson, Christopher W.; Vannerson, Eric; Baker, Wm. Keith; Sun, Alvin C. P.; and Hurley, Ken, 4,839,671, Cl. 346-159.000.

Bakermans, Johannes C. W.; and Grabbe, Dimitry G., to AMP Incorporated. Scrap removal system for stamping and forming machine and sensor apparatus for detecting movement between conveyor belts. 4,809,576, 3-7-89, Cl. 83-155.000.

Bakermans, Johannes C. W.; and Grabbe, Dimitry G., to AMP Incorporated. Tooling for forming machines having improved guidance, tool mounting, and pilot pin systems. 4,819,476, 4-11-89, Cl. 72-456.000.

Bakermans, Johannes C. W.; and Studer, John R., to AMP Incorporated. Stamping and forming machine having improved pilot pins. 4,821,556, 4-18-89, Cl. 72-420.000.

Bakermans, Johannes C. W.; and Owzar, Abdollah, to AMP Incorporated. Slug retainer for the die assembly of a stamping and forming machine. 4,821,615, 4-18-89, Cl. 83-147.000.

Bakermans, Johannes C. W., to AMP Incorporated. Receptacle box terminal with improved contact area. 4,874,338, 10-17-89, Cl. 439-851.000.

Bakermans, Johannes C. W.; and Grabbe, Dimitry G., to AMP Incorporated. Strip retainer and stripper for stamping and forming machine. 4,884,484, 12-5-89, Cl. 83-145.000.

Bakermans, Johannes C. W., to AMP Incorporated. Sprocket-type strip feed. 4,887,452, 12-19-89, Cl. 72-420.000.

Baker's Bright Inc.: *See—*
Voss, Gordon D., 4,863,751, Cl. 426-532.000.

Bakers Hughes Inc.: *See—*
Wood, Leonard J. A., 4,859,346, Cl. 210-776.000.

Bakery Equipment and Service Co., Inc.: *See—*
Escamilla, Robert M.; Escamilla, Elias, III; Escamilla, Elias, Jr.; Johnson, Gregg E.; Arnold, Robert M.; and Tatner, Thomas, 4,838,153, Cl. 99-349.000.

Bakewell, Joseph J., to Dynamics Research Corporation. High-resolution thermal printhead and method of fabrication. 4,810,852, 3-7-89, Cl. 219-216.000.

Bakewell, Joseph J., to Dynamics Research Corporation. Orifice plate and method of fabrication. 4,839,001, 6-13-89, Cl. 204-11.000.

Bakewell, Joseph J., to Dynamics Research Corporation. Method of fabricating a printhead. 4,875,281, 10-24-89, Cl. 29-825.000.

Bakewell, Joseph J., to Dynamics Research Corporation. Printhead structure and method of fabrication. 4,881,087, 11-14-89, Cl. 346-139.00C.

Bakhit, Abraham. Helmet carrier. 4,826,231, 5-2-89, Cl. 294-158.000.

Bakhshaee, Massoud: *See—*
Affrossman, Stanley; Bakhshaee, Massoud; Pethrick, Richard A.; and Sherrington, David C., 4,885,344, Cl. 525-302.000.

Bakka, Charles M.; Sims, Roger D.; and Stevenson, James T., to Trailer P. H. Corporation. Intermodal system for transporting a semi-trailer on two railway vehicles. 4,838,744, 6-13-89, Cl. 410-53.000.

Bakke, Allan P. Electric blood warmer utilizing metallic ribbon flow cartridge and low thermal mass heating units. 4,847,470, 7-11-89, Cl. 219-299.000.

Bakke, Arian N. Fire-fighting tool. 4,802,535, 2-7-89, Cl. 169-70.000.

Bakke, John S. Electrical connector. 4,815,991, 3-28-89, Cl. 439-502.000.

Bakken, Theresa A.: *See—*
Johnson, Philip S.; and Bakken, Theresa A., 4,840,786, Cl. 424-43.000.

Bakker, Age; Schepers, Genesius J. J. M.; and Koerts, Kees, to Cooperatieve Vereniging Suiker Unie U.A. Method for demineralizing beet sugar thin juice. 4,799,965, 1-24-89, Cl. 127-46.200.

Bakker, Eppe; and Tietjens, Eduard W., to U.S. Philips Corp. Dry-shaving apparatus with self adjusting blades. 4,811,483, 3-14-89, Cl. 30-43.600.

Bakker, Eppe, to U.S. Philips Corp. Shaving apparatus. 4,827,613, 5-9-89, Cl. 30-43.600.

Bakker, Eppe: *See—*
Wijma, Willem S.; Tietjens, Eduard W.; Bakker, Eppe; and Hoekstra, Albert, 4,811,484, Cl. 30-43.600.

Bakker, Jacobus G. C.; and Esser, Leonard J. M., to U.S. Philips Corp. Charge-coupled device. 4,878,102, 10-31-89, Cl. 357-24.000.

Bakker, Jan: *See—*
Van Den Elst, Fredrik M. N.; and Bakker, Jan, 4,881,508, Cl. 123-549.000.

Bakker, Johan G.; and Van Der Mast, Karel D., to U.S. Philips Corporation. Method of beam centering. 4,820,921, 4-11-89, Cl. 250-307.000.

Bakker, Reinier G., to Stamicarbon B.V. Thermoplastic polymer mixture with a high surface gloss. 4,885,342, 12-5-89, Cl. 525-230.000.

Bakker, Roel J.: *See—*
Grabbe, Dimitry G.; Granitz, Richard F.; Bakker, Roel J.; Milbrand, Donald W., Jr.; and Masterson, Earl E., 4,836,791, Cl. 439-79.000.

Bakos, Jozsef: *See—*
Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.

Bakos, Vincent W.; and Steklenski, David J., to Eastman Kodak Company. Non-aqueous electrolytes for lithium batteries. 4,804,595, 2-14-89, Cl. 429-194.000.

Bakrania, Lekha: *See—*
Foulds, Anthony G.; and Bakrania, Lekha, 4,868,152, Cl. 503-212.000.

Bakron Corp.: *See—*
Badillo, Paul, 4,858,543, Cl. 112-231.000.

Bakula, Gerald R.; Caldwell, Donald J.; and Dlugolecki, Andrzej J., to Snap-on Tools Corporation. Two-part adjustable approach ramp. 4,845,792, 7-11-89, Cl. 14-69.500.

Bakula, Robert J.; and Curnes, Dennis A., to White Welding and Mfg., Inc. Aligning and latching mechanism for a hinged door of a cargo container. 4,869,023, 9-26-89, Cl. 49-395.000.

Bakx, Johannes L.: *See—*
Overath, Hilde M. A.; Hezemans, Cornelius A.; and Bakx, Johannes L., 4,819,221, Cl. 369-50.000.

Bala, Harry. Sheath for probe with improved seal arrangement. 4,823,949, 4-25-89, Cl. 206-306.000.

Bala, Harry. Sheath for thermometer and the like. 4,846,344, 7-11-89, Cl. 206-306.000.

Balabatko, Leonid K.: *See—*
Slesarenko, Vladimir F.; Vaisberg, Leonid A.; Balabatko, Leonid K.; Sozykin, Veniamin I.; and Gasseev, Amiran F., 4,836,385, Cl. 209-315.000.

Balakrishnan, Shiv K.: *See—*
Hansen, Victor L.; and Balakrishnan, Shiv K., 4,802,098, Cl. 364-487.000.

Balance Technology, Inc.: *See—*
Grim, Gary K.; and Kimble, Matthew, 4,868,762, Cl. 364-508.000.

Balanced Energy Company: *See—*
Brunton, Ellis W.; Haynes, Denver J.; and Ross, William M., Jr., 4,798,737, Cl. 426-602.000.

Balandrano, Jesus F., deceased: *See—*
Spence, Billy F., deceased; Spence, Eva L., legal representative; and Balandrano, Jesus F., deceased, 4,853,010, Cl. 55-122.000.

Balandrano, Julia, legal representative: *See—*
Spence, Billy F., deceased; Spence, Eva L., legal representative; and Balandrano, Jesus F., deceased, 4,853,010, Cl. 55-122.000.

Balanyk, Thomas E.: *See—*
Sandham, H. J.; and Balanyk, Thomas E., 4,883,534, Cl. 106-35.000.

Balanzat, Emmanuel; and Bieth, Claude, to Commissariat a l'Energie Atomique; and Centre National de la Recherche Scientifique. Production of asymmetrical microporous membranes by double irradiation and asymmetrical membranes. 4,832,997, 5-23-89, Cl. 428-131.000.

Balanzat, Emmanuel: *See—*
Toulemonde, Marcel; and Balanzat, Emmanuel, 4,855,049, Cl. 210-500.400.

Balasingam, Cathirgamathamby. Auto guiding combination lock. 4,841,759, 6-27-89, Cl. 70-302.000.

Balassa, Leslie L.; and Prudden, John F., to Lescarden Ltd. Anti-tumor agent and method. 4,822,607, 4-18-89, Cl. 424-95.000.

Balasubramanyam, Karanam; Joseph, Robert R.; and Renbeck, Robert B., to International Business Machines Corporation. High speed GaAs MESFET having refractory contacts and a self-aligned cold gate fabrication process. 4,808,545, 2-28-89, Cl. 437-41.000.

Balay, S.A.: *See—*
Sanchez Gonzalez, Juan, 4,885,447, Cl. 219-10.770.

Balaz, Karol J.: *See—*
Tekatch, William M.; and Balaz, Karol J., 4,830,666, Cl. 75-59.300.
Tekatch, William M.; and Balaz, Karol J., 4,832,930, Cl. 423-356.000.

Balazich, Gregory J.: *See—*
Roy, Dhirendra C.; Johnson, Roosevelt; and Balazich, Gregory J., 4,798,545, Cl. 439-677.000.

Balazs, Endre A.: *See—*
Leshchiner, Adolf; Larsen, Nancy E.; Balazs, Endre A.; and Hilal, Sadek K., 4,795,741, Cl. 514-21.000.

Balbach, Rainer: *See—*
Ostermann, Friedrich; Dumont, Christian; Balbach, Rainer; and Sollner, Gerhard, 4,886,713, Cl. 428-687.000.

Balbierz, Daniel J., to Menlo Care, Inc. Protective sheath for catheter assembly. 4,840,613, 6-20-89, Cl. 604-51.000.

Balbinot, Renzo, to Nordica S.p.A. Footwear structure incorporating a heating device particularly for ski boots. 4,862,603, 9-5-89, Cl. 36-2.600.

Balboni, Gian P.; Giandonato, Giuseppe; Melen, Riccardo; and Vercellone, Vinicio, to CSELT - Centro Studi e Laboratori Telecomunicazioni S.p.A. Switching element for self-routing multistage packet-switching interconnection networks. 4,890,281, 12-26-89, Cl. 370-60.000.

Balch, Brent F.: *See—*
Watkins, Harry E.; Balch, Brent F.; Oakes, Jeffery T.; Copeland, Richard L.; Patterson, Hubert A.; and Martinson, Mart, 4,859,991, Cl. 340-572.000.

Balch, Richard A., to General Electric Company. Parallel off hook detector for electronic remote data recorder. 4,811,389, 3-7-89, Cl. 379-377.000.

Balch, Richard A.: *See—*
Venkataraman, Krishnan; and Balch, Richard A., 4,862,493, Cl. 379-107.000.

Balchem Corporation: *See—*
Weiss, Herbert D.; and Reynolds, Robert G., 4,803,092, Cl. 426-646.000.

Balchunas, William C.: *See—*
  Amir, Israel; Balchunas, William C.; and Higgins, Frank P., 4,811,410, Cl. 382-8.000.
Balck, Juergen, to Ernst Winter & Sohn (GmbH & Co.). Saw for cutting thin disks. 4,850,331, 7-25-89, Cl. 125-15.000.
Balcke-Durr Aktiengesellschaft: *See—*
  Krips, Herbert; and Podhorsky, Miroslan, 4,827,605, Cl. 29-727.000.
  Krips, Herbert; and Podhorsky, Miroslan, 4,875,270, Cl. 29-421.100.
Balco, Inc.: *See—*
  Borner, Willy; and McQueeney, Kenneth A., 4,859,111, Cl. 403-340.000.
Balcom, James E.; Kozek, Edward P.; and Alderman, Arnold N., to Dual-Lite Manufacturing. Emergency lighting supervisory system. 4,799,039, 1-17-89, Cl. 340-333.000.
Balcomp Associates: *See—*
  Pahl, Gerrit; and Sherwood, Henry A., 4,846,638, Cl. 418-39.000.
Bald, Eberhard. Flying shear or stamping apparatus for strip material. 4,852,440, 8-1-89, Cl. 83-317.000.
Bald, Hubert, to Paul Forkardt GmbH & Co. KG. Machine tool with a sliding screw drive. 4,852,434, 8-1-89, Cl. 82-118.000.
Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, to SMS Schloemann-Siemag Aktiengesellschaft. Steel strip descaler. 4,831,854, 5-23-89, Cl. 72-8.000.
Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, to SMS Schloemann-Siemag Aktiengesellschaft. Apparatus for removal of scale from hot-rolled steel strip. 4,862,570, 9-5-89, Cl. 29-81.00A.
Bald, Wilfried: *See—*
  Stoy, Erich; Bald, Wilfried; and Rommen, Hans, 4,841,761, Cl. 72-238.000.
Balda, Raymond J.: *See—*
  Zdebel, Peter J.; Balda, Raymond J.; Hwang, Bor-Yuan; and Wagner, Allen J., 4,837,176, Cl. 437-31.000.
Baldacci, Bruno H., to Ranpak Corp. Dunnage converter for producing narrow width cushioning pad product, conversion kit thereof, and method. 4,884,999, 12-5-89, Cl. 493-439.000.
Baldas, John: *See—*
  Bonnyman, John; and Baldas, John, 4,851,515, Cl. 534-14.000.
Baldasarri, Mario: *See—*
  Van Driesen, Roger P.; Adams, William R.; Baldasarri, Mario; Caspers, John; and Trimble, Harold, 4,875,995, Cl. 208-152.000.
Baldassarri, Agostino; Loiacano, Marco; and Loviglio, Giuseppe, to Minnesota Mining and Manufacturing Company. Process for the formation of stable color photographic images. 4,822,724, 4-18-89, Cl. 430-379.000.
Baldassarri, Agostino: *See—*
  Delprato, Ivano; and Baldassarri, Agostino, 4,873,182, Cl. 430-546.000.
Baldauf, Karl E., to Gesellschaft fur Hydraulik-Zubehor mbH. Fluid pressure circuit with accumulator charging and safety valve system including check valve bypass. 4,838,023, 6-13-89, Cl. 60-413.000.
Baldauf, Walter W., Jr.: *See—*
  Petraitis, Kestutis F.; and Baldauf, Walter W., Jr., 4,880,495, Cl. 156-642.000.
Baldenko, Dmitry F.; Kondratenko, Leonid A.; and Semenets, Valery I., to Vsesojuzny Nauchno-Issledovatelsky Institut Burovoi Tekhniki. Downhole screw motor. 4,823,889, 4-25-89, Cl. 175-107.000.
Balderson, Simon, to Thorn EMI plc. Substrates for supporting electrical tracks and/or components. 4,827,108, 5-2-89, Cl. 219-543.000.
Balderson, Simon, to Thorn EMI plc. Electrically resistive tracks. 4,859,835, 8-22-89, Cl. 219-543.000.
Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Heat generation. 4,799,979, 1-24-89, Cl. 149-5.000.
Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Metal diffusion and composition. 4,820,362, 4-11-89, Cl. 149-2.000.
Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Pyrophoric iron product and process of making. 4,824,482, 4-25-89, Cl. 75-254.000.
Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Diffusion aluminizing and pack therefor. 4,830,931, 5-16-89, Cl. 428-552.000.
Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Masked metal diffusion. 4,845,139, 7-4-89, Cl. 524-407.000.
Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Pyrophorically activated iron or nickel foil and method of treating same. 4,871,708, 10-3-89, Cl. 502-301.000.
Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Pyrophoric composition. 4,880,483, 11-14-89, Cl. 149-6.000.
Baldi, Alfonso L.: *See—*
  Dillard, David P.; and Baldi, Alfonso L., 4,815,386, Cl. 102-364.000.
Baldi, Barney T.: *See—*
  Anderson, Joseph; Baldi, Barney T.; and Engstrom, John M., 4,861,043, Cl. 277-1.000.
Baldi, Livio; and Cappelletti, Paolo G., to SGS Microelecttronica S.p.A. Method for making twin tub CMOS devices. 4,806,501, 2-21-89, Cl. 437-67.000.
Baldi, Livio, to SGS Microelecttronica S.p.A. Nonvolatile, semiconductor memory device. 4,816,883, 3-28-89, Cl. 357-23.500.
Balding, Alan S.; Carter, Nigel F.; Frampton, Paul F.; and Rosso, Vincent A., to Vi-tal Hospital Products Ltd. Air-in-line detector. 4,829,448, 5-9-89, Cl. 364-509.000.
Baldock, Donald V. Grain sample apparatus. 4,838,094, 6-13-89, Cl. 73-863.810.
Baldoni, Joseph G., II: *See—*
  D'Angelo, Charles; Baldoni, Joseph G., II; and Buljan, Sergej-Tomislav, 4,810,530, Cl. 427-215.000.
Baldus, Heinz-Dieter: *See—*
  Heinemann, Otto; Baldus, Heinz-Dieter; and Schroder, Norbert, 4,880,172, Cl. 241-101.200.
Baldus, Thomas E.; and Roy, John M., to Precision Gun Specialties Inc. Magazine adapter. 4,862,619, 9-5-89, Cl. 42-7.000.
Baldwain, Peter: *See—*
  Fredrick, William; Brent, Robert; and Baldwain, Peter, 4,873,617, Cl. 363-17.000.
Baldwin, Bernard A.; and Johnson, James P., to Phillips Petroleum Company. Method for determining properties of liquid-containing porous media using nuclear magnetic resonance imaging. 4,868,50 9-19-89, Cl. 324-307.000.
Baldwin, Blair F.; and Lamson, William C., to Bexel Corporation. Emergency umbrella. 4,842,003, 6-27-89, Cl. 135-19.500.
Baldwin, Brian E. Syringe driver/syringe/tube connecting set fluid delivery arrangement, and tube connecting sets therefor. 4,863,42 9-5-89, Cl. 604-135.000.
Baldwin, Brian E. Vial filling, holding and serving tray arrangement and method. 4,867,315, 9-19-89, Cl. 206-558.000.
Baldwin, Clifton: *See—*
  Wolf, Isobel T.; and Baldwin, Clifton, 4,883,282, Cl. 280-43.240.
Baldwin, David R.; and Sata, Shingo, to Kabushiki Kaisha Toshiba. System and method for transferring data between a plurality of data and a memory. 4,797,755, 1-10-89, Cl. 360-49.000.
Baldwin, David R.; and Thiel, Geoffrey L., to Kabushiki Kaisha Toshiba. Modified back-to-front three dimensional reconstruction algorithm. 4,827,413, 5-2-89, Cl. 364-413.190.
Baldwin, Donald C., to Gorge Technology, Inc. Sailboard construction. 4,875,424, 10-24-89, Cl. 114-39.200.
Baldwin, Ewart M.; Rao, U. Veereswara; and Bender, Thomas C., to Enercap Corporation. High energy density capacitor and method of fabrication. 4,870,538, 9-26-89, Cl. 361-321.000.
Baldwin Filters, Inc.: *See—*
  Cudaback, Roger L., 4,872,976, Cl. 210-130.000.
Baldwin, Freddie A.: *See—*
  Arthur, James C.; and Baldwin, Freddie A., 4,850,189, Cl. 60-323.000.
Baldwin, Howard A.; Walker, Conrad M. B.; and Brockelsby, William K., to EID Electronic Identification Systems, Ltd. Electronic identification system. 4,870,419, 9-26-89, Cl. 342-50.000.
Baldwin-Japan Limited: *See—*
  Hara, Akira; and Ochiai, Minoru, 4,867,064, Cl. 101-425.000.
Baldwin, Jay M.: *See—*
  Warren, Douglas H.; Matthews, John C.; Baldwin, Jay M.; Adman, Charles M.; and Finlayson, James W., 4,801,423, Cl. 376-287.000.
Baldwin, John J.; Ponticello, Gerald S.; and Christy, Marcia E., to Merck & Co., Inc. Thieno thiopyran sulfonamide derivatives, pharmaceutical compositions and use. 4,797,413, 1-10-89, Cl. 514-432.000.
Baldwin, John J.; Ponticello, Gerald S.; Remy, David C.; Claremon, David A.; and King, Stella W., to Merck & Co., Inc. Amino-hydroxypropyloximinoheterocycle β-blockers. 4,803,286, 2-7-89, Cl. 514-431.000.
Baldwin, John J.; Ponticello, Gerald S.; and Varga, Sandor L., to Merck & Co., Inc. 1-aryloxy-3-(substituted aminoalkylamino)-propanols, pharmaceutical compositions and use. 4,810,725, 3-7-89, Cl. 514-524.000.
Baldwin, John J.; Atkinson, Joseph; and McClure, David E. Arylaminoethanol heterocyclic compounds. 4,816,457, 3-28-89, Cl. 514-256.000.
Baldwin, John J.; Huff, Joel R.; Vacca, Joseph P.; Young, Steven D.; deSolms, Jane; and Guare, James P., Jr., to Merck & Co., Inc. α-adrenoceptor antagonistic arylquinolizines. 4,824,849, 4-25-89, Cl. 514-267.000.
Baldwin, John J.; Huff, Joel R.; deSolms, Susan J.; Vacca, Joseph P.; Wiggins, Jonathan M.; and Young, Steven D., to Merck & Co., Inc. Substituted hexahydroarylquinolizines. 4,831,035, 5-16-89, Cl. 514-256.000.
Baldwin, John J.; Habecker, Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., to Merck & Co., Inc. Thiophene sulfonamide antiglaucoma agents. 4,847,289, 7-11-89, Cl. 514-445.000.
Baldwin, John J.; and Ponticello, Gerald S., to Merck & Co., Inc. β-blocking substituted imidazoles. 4,853,383, 8-1-89, Cl. 514-235.8
Baldwin, John J.; Ponticello, Gerald S.; and Christy, Marcia E., to Merck & Co., Inc. Substituted aromatic sulfonamides as antiglaucoma agents, compositions and use. 4,863,922, 9-5-89, Cl. 514-232.500.
Baldwin, John J.; Tolman, Richard L.; and Wu, Mu T., to Merck & Co., Inc. Substituted 6H-7,8-dihydrothiapyrano(3,2-D)-pyrimidines as hyopglycemic agents. 4,871,739, 10-3-89, Cl. 514-254.000.
Baldwin, John J.; and Ponticello, Gerald S., to Merck & Co., Inc. 1-aryloxy-3-(substituted alkylamino)-2-propanols and use as β-blocker. 4,883,814, 11-28-89, Cl. 514-524.000.
Baldwin, John J.: *See—*
  Tolman, Richard L.; Wagner, Arthur F.; Baldwin, John J.; and Pietruszkiewicz, Adolph, 4,889,856, Cl. 514-254.000.
Baldwin, John L. E., to Independent Broadcasting Authority. Method and apparatus for processing digital signals prior to recording. 4,851,837, 7-25-89, Cl. 341-55.000.
Baldwin, Kaye: *See—*
  McDonald, Brian A.; and Baldwin, Kaye, 4,819,613, Cl. 126-515.000.
Baldwin, Peter: *See—*
  Fredrick, William; Brent, Robert; and Baldwin, Peter, 4,873,61 Cl. 363-17.000.

  Fredrick, William; Brent, Robert; and Baldwin, Peter, 4,873,618, Cl. 363-17.000.
Baldwin, Richard R., to Hewlett-Packard Company. Stylus switch. 4,883,926, 11-28-89, Cl. 178-18.000.
Baldwin, Robert J. Fish lure. 4,841,664, 6-27-89, Cl. 43-41.000.
Baldwin, Robert L. Reinforced door security assembly. 4,854,621, 8-8-89, Cl. 292-340.000.
Baldwin, Steven F., to E-Systems, Inc. Method and apparatus for predicting and monitoring aircraft takeoff performance. 4,837,695, 6-6-89, Cl. 364-427.000.
Baldwin Technology Corporation: *See—*
  Belden, William P., 4,824,093, Cl. 271-216.000.
  Gasparrini, Charles R., 4,856,427, Cl. 101-366.000.
  McMahon, Raymond; Jellovitz, John C.; Vaile, James T.; and Renn, Gregory J., 4,846,030, Cl. 83-27.000.
Baldwin, Thomas O.; Holzman, Thomas F.; Satoh, Paul S.; and Yein, Frederick S. Linker compounds, linker-compound-ligands and linker-compound-receptors. 4,879,249, 11-7-89, Cl. 436-543.000.
Baldwin, William: *See—*
  Malloy, Joseph P.; and Baldwin, William, 4,813,320, Cl. 83-61.000.
Baldwyn, Einar D. N., to Aim Instruments Ltd. Automated sampler-injector apparatus and method for sampling a quantity of sample and testing portions of said quantity. 4,836,038, 6-6-89, Cl. 73-864.210.
Bale, Christopher R.; Bryant, Raymond A.; Garrett, Stephen J.; Gill, Beresford R.; and Jennings, Trevor C., to Imperial Tobacco Limited. Manufacture of a smoking article. 4,832,057, 5-23-89, Cl. 131-73.000.
Bale, Christopher R.: *See—*
  Bryant, Raymond A.; Gill, Beresford R.; Garrett, Stephen J.; and Bale, Christopher R., 4,832,056, Cl. 131-58.000.
  Chard, Brian C.; Bale, Christopher R.; Gill, Beresford R.; Herron, David; and Garrett, Stephen J., 4,848,374, Cl. 131-330.000.
Bale, Christopher W.: *See—*
  Kirchnerova, Jitka; Skeaff, James M.; and Bale, Christopher W., 4,842,698, Cl. 204-1.00T.
Balech, Jean-Pierre, to Telecommunications Radioelectriques et Telephoniques T.R.T. Clock recovery arrangement especially for an information transmission system using the TDMA principle in one transmission direction. 4,825,437, 4-25-89, Cl. 370-104.000.
Balek, Lynn A., to LIL Industries Ltd. Vehicle battery mounting apparatus. 4,854,540, 8-8-89, Cl. 248-503.000.
Bales, Robert W.; and Olson, Lynn T., to Tektronix, Inc. Method and apparatus for signal processing. 4,890,237, 12-26-89, Cl. 364-485.000.
Bales, Robert W.: *See—*
  Hayden, Leonard A.; and Bales, Robert W., 4,827,227, Cl. 331-179.000.
Bales, Stephen E.: *See—*
  Anand, Joginder N.; Feay, Darrell C.; Bales, Stephen E.; and Jeanes, Thomas O., 4,818,254, Cl. 55-316.000.
  Anand, Joginder N.; Bales, Stephen E.; Feay, Darrell C.; and Jeanes, Thomas O., 4,840,646, Cl. 55-16.000.
Balet, Daniel; Chiomento, Renzo; Beaulieu, Louis; and Poncel, Yves, to Electronique Serge Dassault. Device for positioning a mock-up in three dimensions, in particular for studying backscattering from said mock-up. 4,873,571, 10-10-89, Cl. 358-93.000.
Balfour Beatty Limited: *See—*
  Haq, Ikram, 4,884,922, Cl. 405-303.000.
Balfour Manufacturing Company: *See—*
  McAskie, William, 4,826,694, Cl. 426-74.000.
  McAskie, William, 4,853,233, Cl. 426-74.000.
Balfour, Ross A.: *See—*
  Sperry, John A.; and Balfour, Ross A., 4,824,765, Cl. 430-281.000.
Balian, Charles; Simpson, Jon H.; and Agarwal, Arun, to CHR Industries, Inc. Char-forming protective coating for flexible base materials. 4,824,727, 4-25-89, Cl. 428-352.000.
Baliga, Bantval J., to General Electric Company. Metal oxide semiconductor gated turn off thyristor. 4,799,095, 1-17-89, Cl. 357-38.000.
Baliga, Bantval J.; and Pattanayak, Deva N., to General Electric Company. Monolithically integrated semiconductor device and process for fabrication. 4,801,985, 1-31-89, Cl. 357-23.300.
Baliga, Bantval J.; Chow, Tat-Sing P.; and Chang, Hsueh-Rong, to General Electric Company. Vertical double diffused metal oxide semiconductor (VDMOS) device including high voltage junction exhibiting increased safe operating area. 4,823,176, 4-18-89, Cl. 357-23.400.
Baliga, Bantval J., to General Electric Company. Metal oxide semiconductor gated turn off thyristor including a schottky contact. 4,827,321, 5-2-89, Cl. 357-37.000.
Baliga, Bantval J.; and Pattanayak, Deva N., to General Electric Company. Monolithically integrated semiconductor device having bidirectional conducting capability and method of fabrication. 4,857,983, 8-15-89, Cl. 357-38.000.
Baliga, Bantval J.; and Korman, Charles S., to General Electric Company. Protective clamp for MOS gated devices. 4,890,143, 12-26-89, Cl. 357-23.400.
Baliga, Bantval J.: *See—*
  Chang, Hsueh-Rong; Baliga, Bantval J.; and Chow, Tat-Sing P., 4,801,986, Cl. 357-23.400.
  Gray, Peter V.; Baliga, Bantval J.; Chang, Mike F. S.; and Pifer, George C., 4,883,767, Cl. 437-41.000.
  Pattanayak, Deva N.; and Baliga, Bantval J., 4,847,671, Cl. 357-38.000.
  Pattanayak, Deva N.; and Baliga, Bantval J., 4,888,627, Cl. 357-23.400.
Balina, Istvan; Kokai, Jozsef; Boro, Lajos; and Torba, Lajos, to "Spiral" Autojavito Vallalat. Lock for hand brake lever of motor vehicle. 4,858,451, 8-22-89, Cl. 70-202.000.
Balint, Joseph P., to Imre Corporation. Anti-human IGM immunoadsorbent and process for producing said immunoadsorbent. 4,863,869, 9-5-89, Cl. 435-296.000.
Balint, Joseph P., Jr.; and Jones, Frank R., to Imre Corporation. Method for treatment of Kaposi's sarcoma. 4,801,449, 1-31-89, Cl. 424-85.800.
Balint, Joseph P., Jr.; Cochran, Sharon; Jones, Frank R.; and Snyder, Harry W., to Imre Corporation. Methods and compositions for transient elimination of humoral immune antibodies. 4,865,841, 9-12-89, Cl. 424-85.800.
Balint, Ludwig. Method and machine for fabricating rotation bodies by plastic deformation. 4,817,408, 4-4-89, Cl. 72-92.000.
Baliozian, Mardick. Device for side-lighting a subject placed in front of background as well as for lighting the background itself, for example when taking pictures of the subject by photography, cinematography or the like. 4,872,031, 10-3-89, Cl. 354-291.000.
Balisky, Todd A., to Boeing Company, The. Non-contaminating renewable syringe. 4,820,278, 4-11-89, Cl. 604-218.000.
Balistreri, Anthony M.: *See—*
  Pinkham, Raymond; and Balistreri, Anthony M., 4,807,189, Cl. 365-189.000.
Balk, Hermann, to Reifenhauser GmbH & Co. Maschinenfabrik. Apparatus for making a thermoplastic monofilament of exact thickness. 4,797,079, 1-10-89, Cl. 425-140.000.
Balk, Hermann, to Reifenhauser GmbH & Co. Maschinenfabrik. Apparatus for making a spun fleece from endless synthetic-resin filament. 4,812,112, 3-14-89, Cl. 425-66.000.
Balk, Hermann, to Reifenhauser GmbH & Co. Maschinenfabrik. Apparatus for making a spun-filament fleece. 4,813,864, 3-21-89, Cl. 425-66.000.
Balk, Hermann, to Reifenhauser GmbH & Co. Maschinenfabrik. Apparatus for making a spun-filament fleece. 4,820,142, 4-11-89, Cl. 425-66.000.
Balk, Hermann, to Reifenhauser GmbH & Co. Maschinenfabrik. Apparatus for making a spun-filament fleece. 4,838,774, 6-13-89, Cl. 425-66.000.
Balka, Chad: *See—*
  Zuranski, Edward S.; Springer, David W.; Balka, Chad; and Betts, William L., 4,833,690, Cl. 375-8.000.
Balkanski, Minko. Process for producing a solid state battery. 4,816,356, 3-28-89, Cl. 429-191.000.
Balkanski, Minko. Self-powered electronic component and manufacturing method therefor. 4,878,094, 10-31-89, Cl. 357-5.000.
Balkau, Karl-Heinz: *See—*
  Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, 4,847,032, Cl. 264-322.000.
  Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, 4,867,929, Cl. 264-521.000.
Balke, Roy L., to General Electric Company. Insulated coil assembly. 4,818,909, 4-4-89, Cl. 310-208.000.
Balke, Siegmund; and Lutkemeyer, Gunter, to Durkoppwerke GmbH. Sewing machine having means for terminating seams at a predetermined place. 4,858,545, 8-22-89, Cl. 112-275.000.
Balkey, Kenneth R.: *See—*
  Ackerson, D. Scott; Impink, Albert J., Jr.; Balkey, Kenneth R.; and Andreychek, Timothy S., 4,801,421, Cl. 376-249.000.
Balkin, Larry M. Locking garment hanger. 4,852,777, 8-1-89, Cl. 223-91.000.
Balkus, Carl. Dredging apparatus. 4,826,251, 5-2-89, Cl. 299-7.000.
Ball Corporation: *See—*
  Atcheson, Paul D., 4,889,409, Cl. 350-104.000.
  Benedict, Becky A.; Lester, James M.; and Linenberger, Delvern D., 4,825,667, Cl. 62-51.200.
  Cormack, Robert H.; and Brown, Carey S., 4,863,275, Cl. 356-376.000.
  Cormack, Robert H.; and Brown, Carey S., 4,872,757, Cl. 356-376.000.
  Diaz, Leopoldo J.; McKenna, Daniel B.; and Pett, Todd A., 4,853,704, Cl. 343-767.000.
  Doud, Wilbur O., 4,867,777, Cl. 65-26.000.
  Johnson, Russell W.; and Munson, Robert E., 4,821,040, Cl. 343-700.0MS.
  Johnson, Russell W.; and Munson, Robert E., 4,835,541, Cl. 343-713.000.
  Kalenak, Robert D.; and Dierking, Stanley E., 4,832,223, Cl. 220-66.000.
  Lalezari, Farzin, 4,816,836, Cl. 343-700.0MS.
  Lalezari, Farzin; Gilbert, Charles G.; and Rogers, John M., 4,843,403, Cl. 343-767.000.
  Lalezari, Farzin; and Taylor, Taliaferro H., Jr., 4,870,424, Cl. 342-379.000.
  Long, Eugene C.; Kubitschek, James E.; and Horacek, Stephen M., 4,860,096, Cl. 358-101.000.
  MacIntyre, Alan D., 4,879,700, Cl. 368-117.000.
  McKenna, Daniel B.; and Pett, Todd A., 4,835,538, Cl. 343-700.0MS.
  Munson, Michael G.; Munson, Robert E.; Westfeldt, Patrick M., Jr.; and Lalezari, Farzin, 4,864,320, Cl. 343-833.000.
  Nguyen, Tuan A., 4,796,772, Cl. 220-66.000.
  Paschen, Dean A., 4,835,539, Cl. 343-700.0MS.
  Williams, Dylan F.; and Miers, Tommy H., 4,851,794, Cl. 333-33.000.

Ball, David R.: *See—*
Orac, Thomas H.; Quandt, Herbert C.; and Ball, David R., 4,875,979, Cl. 201-5.000.

Ball, Dianne M. Urinary guide apparatus and method of using the same. 4,815,151, 3-28-89, Cl. 4-144.300.

Ball, Douglas C., to Hauserman, Inc. Space divider system. 4,831,791, 5-23-89, Cl. 52-36.000.

Ball, Douglas C.; Sherbourne, George E.; and Gioitta, Jeffrey M., to Hauserman, Inc. Corner work center. 4,863,124, 9-5-89, Cl. 108-28.000.

Ball, Edward R., to Boeing Company, The. Self-checking ohmmeter that checks for contact resistance of its probes. 4,876,515, 10-24-89, Cl. 324-538.000.

Ball, Garry L.: *See—*
Steinkamp, John O.; Ball, Garry L.; and Radke, Daniel D., 4,884,940, Cl. 414-715.000.

Ball, Graham J.; Hart, William B.; and Hurst, Michael H., to Jencons (Scientific) Limited. Liquid dosing device with digital display. 4,815,632, 3-28-89, Cl. 222-23.000.

Ball, Hershell R., Jr.: *See—*
Swartzel, Kenneth R.; Ball, Hershell R., Jr.; and Hamid-Samimi, Mohammad-Hossein, 4,808,425, Cl. 426-399.000.

Ball Hopper Products: *See—*
Ferrari, Harry M.; and Shallenberger, John M., 4,811,980, Cl. 294-19.200.

Ball, James R.; and Barnard, Delbert J., to Cello Bag Company, Inc. Top gusset bag with integral handle. 4,874,255, 10-17-89, Cl. 383-8.000.

Ball, Jeffrey M., to Willett International Limited. Method for applying a composition to a substrate and a composition for use therein. 4,835,208, 5-30-89, Cl. 524-478.000.

Ball, Jerry O.: *See—*
Yarbrough, Alfred E.; and Ball, Jerry O., 4,853,677, Cl. 340-544.000.

Ball, Keith R.; and Thompson, David M. Laboratory animal carrier filter bag. 4,802,900, 2-7-89, Cl. 55-381.000.

Ball, Kenneth J.; and Stanistreet, Brian, to Thermic Designs Limited. Drying of clayware. 4,827,629, 5-9-89, Cl. 34-104.000.

Ball, Kenneth R.: *See—*
Dyess, Larry B.; and Ball, Kenneth R., 4,795,182, Cl. 280-289.0WC.

Ball, Laurence G.: *See—*
Accumanno, Mario B.; Ball, Laurence G.; and Price, Macy J., 4,815,795, Cl. 312-12.000.
Price, Macy J., Sr.; Price, Macy J., Jr.; and Ball, Laurence G., 4,844,564, Cl. 312-12.000.
Price, Macy J., Sr.; Price, Macy J., Jr.; and Ball, Laurence G., 4,846,355, Cl. 211-41.000.

Ball, Lawrence E., to Standard Oil Company, The. Cationic polymeric stabilizers for oil-in-water emulsions. 4,857,621, 8-15-89, Cl. 526-265.000.

Ball, Lawrence E.: *See—*
Benton, Kenneth C.; Weinert, Raymond J., Jr.; and Ball, Lawrence E., 4,828,756, Cl. 252-518.000.

Ball, Martin F., to Metal Box plc. Pump chamber dispenser. 4,804,115, 2-14-89, Cl. 222-209.000.

Ball, Martin F., to Metal Box plc. Valve for dispensing fluid from a container. 4,804,116, 2-14-89, Cl. 222-402.160.

Ball, Martin F.; Pavely, Andrew P.; and Taylor, Joseph S., to Metal Box plc. Methods of making can ends with plastics closures. 4,813,837, 3-21-89, Cl. 413-12.000.

Ball, Martin F.; and Vokins, Ian M., to Metal Box plc. Dispensers for pasty or viscous products. 4,830,227, 5-16-89, Cl. 222-207.000.

Ball, Martin F., to Metal Box plc. Pump chamber dispenser. 4,830,229, 5-16-89, Cl. 222-209.000.

Ball, Martin F.: *See—*
Claydon, Paul C.; and Ball, Martin F., 4,885,924, Cl. 72-109.000.

Ball, Michael: *See—*
Kopsch, Reiner; Gosswein, Claus F.; Lutz, Henning; Ball, Michael; and Hubert, Peter, 4,872,987, Cl. 210-635.000.

Ball, Patrick J. R.; and Vaughan, David N., to U.S. Philips Corp. Infrared radiation detector with flanged semiconductor window. 4,803,360, 2-7-89, Cl. 250-338.300.

Ball, Peter; and Weissgerber, Rudolph, to Wacker-Chemie GmbH. Novel heat resistant adhesives. 4,831,077, 5-16-89, Cl. 524-820.000.

Ball, Peter; Marquardt, Klaus; and Selig, Manfred, to Wacker-Chemie GmbH. Novel polymerization process. 4,847,341, 7-11-89, Cl. 526-201.000.

Ball, Peter: *See—*
Schulze, Joachim; Adler, Klaus; Selig, Manfred; Ball, Peter; Marquardt, Klaus; Killermann, Otmar; and Hannebaum, Manfred, 4,859,751, Cl. 526-200.000.

Ball, Ralph A. Mouse exterminating device and method. 4,854,073, 8-8-89, Cl. 43-75.000.

Ball, Richard I., to Johnson Industries, Inc. Furniture glide. 4,798,359, 1-17-89, Cl. 248-188.300.

Ball, Robert J.: *See—*
Maycock, Ian C.; Ball, Robert J.; and Symonds, Denzil J. W., 4,858,741, Cl. 192-98.000.

Ball, Stephen D.: *See—*
Hirshberg, Gerald P.; Mrozowski, Joseph E.; and Ball, Stephen D., 4,801,174, Cl. 296-216.000.
Hirshberg, Gerald P.; Mrozowski, Joseph E.; and Ball, Stephen D., 4,852,938, Cl. 296-214.000.

Ball Valve Company: *See—*
Owsley, Herbert B.; and Bunn, James S., 4,819,689, Cl. 137-512.100.

Ball, W. Kenneth; Goulait, David J. K.; and Zorb, James E., to Procter & Gamble Company, The. Dynamic mechanical bonding method and apparatus. 4,854,984, 8-8-89, Cl. 156-73.500.

Ball, Weldon C.: *See—*
Brooks, William H.; Ball, Weldon C.; and Clark, John A., 4,831,745, Cl. 34-41.000.

Ball, William: *See—*
Bloy, Graham P.; and Ball, William, 4,853,963, Cl. 381-31.000.

Ball, Wolfgang: *See—*
Warzelhan, Volker; Ball, Wolfgang; and Bachl, Robert, 4,864,005, Cl. 526-116.000.

Ballada, Romano, to Bassani Ticino, S.p.A. Electrical apparatus for magnetothermal and differential protection. 4,851,950, 7-25-89, Cl. 361-44.000.

Ballan, Daniel G.: *See—*
Wong, Edward W.; and Ballan, Daniel G., 4,838,876, Cl. 604-265.000.

Ballance, Jeffrey D.: *See—*
Bolton, William E.; Holbert, John C.; Ballance, Jeffrey D.; and Records, Robert A., 4,867,213, Cl. 144-357.000.
Bowlin, William P.; Knerr, Michael P.; and Ballance, Jeffrey D. 4,879,659, Cl. 364-468.000.

Balland, Denis, to Societe d'Equipement Menager Industriel et Commercial S.E.M.I.C.O. Foldable carriage and transport apparatus 4,813,701, 3-21-89, Cl. 280-641.000.

Ballantine, James A.: *See—*
Atkins, Martin P.; Ballantine, James A.; Purnell, John H.; and Williams, John, 4,866,020, Cl. 502-84.000.

Ballantyne, Brian R. Mortar collecting device for use in masonry wall construction. 4,852,320, 8-1-89, Cl. 52-303.000.

Ballantyne, Ronald; and Malashenko, Leon, to John T. Hepburn, Limited. Press with adjustable platen spacing. 4,819,555, 4-11-89, Cl. 100-257.000.

Ballantyne, Ronald, to John T. Hepburn, Limited. Hydraulic cylinder device for platen spacing indication and control. 4,828,474, 5-9-89, Cl. 425-150.000.

Ballantyne, Ronald; and Murray, Martin, to John T. Hepburn Limited. Anchoring system for floating structure. 4,836,125, 6-6-89, Cl. 114-294.000.

Ballantyne, Ronald, to John T. Hepburn, Limited. Anchoring system for floating structure. 4,841,898, 6-27-89, Cl. 114-293.000.

Ballantyne, Ronald, to John T. Hepburn, Limited. Mechanism for tensioning a moving chain. 4,862,821, 9-5-89, Cl. 114-293.000.

Ballard, Denis G. H.; Holmes, Paul A.; Nevin, Alan; Shirley, Ian M. and Twose, David L., to Imperial Chemical Industries PLC. Polyaromatics. 4,798,742, 1-17-89, Cl. 427-240.000.

Ballard, Denis G. H.; Courtis, Andrew; and Shirley, Ian M., to Imperial Chemical Industries PLC. Polymers with vinylic units and aromatic units. 4,849,504, 7-18-89, Cl. 528-491.000.

Ballard, Dennis G. H.; Cheshire, Philip; and Przeworski, Josef E., to Imperial Chemical Industries PLC. Solid electrolytes. 4,822,7 4-18-89, Cl. 429-192.000.

Ballard, Donald E., to General Electric Company. Method of making a core and coil assembly. 4,847,987, 7-18-89, Cl. 29-606.000.

Ballard, Donald E.: *See—*
Lee, Albert C.; and Ballard, Donald E., 4,814,736, Cl. 336-213.000.

Ballard, Estus E. Sprinkler head mounting system. 4,834,186, 5-30-8 Cl. 169-16.000.

Ballard, Gary W., to Carrier Corporation. Gas valve shut off method and apparatus. 4,850,852, 7-25-89, Cl. 431-6.000.

Ballard, Gary W.; and Thompson, Kevin D., to Carrier Corporation. Calibration technique for variable speed motors. 4,860,231, 8-22-8 Cl. 364-571.010.

Ballard, Gary W.: *See—*
Dempsey, Daniel J.; and Ballard, Gary W., 4,815,524, Cl. 165-12.000.
Thompson, Kevin D.; and Ballard, Gary W., 4,887,767, Cl. 23 1.0EB.

Ballard, Jerry L.; Chatham, Dale; and Gaulke, Gerald E., to Tandem Corporation. Computer video control system. 4,866,600, 9-12-89, Cl. 364-200.000.

Ballard, Joe B., Jr., to Dynamic Conveyor Products. Wheel assembly for conveyer system. 4,858,752, 8-22-89, Cl. 198-845.000.

Ballard, Lannis P.: *See—*
Davis, William A.; and Ballard, Lannis P., 4,850,127, Cl. 42-71.0

Ballard, Larry: *See—*
Skinner, David B.; and Ballard, Larry, 4,801,492, Cl. 428-224.000
Skinner, David B.; and Ballard, Larry, 4,806,407, Cl. 428-224.000

Ballard Medical Products: *See—*
Lambert, Richard C., 4,825,859, Cl. 128-202.160.
Lambert, Richard C., 4,834,726, Cl. 604-281.000.
Lambert, Richard C., 4,838,255, Cl. 128-202.160.
Lorenzen, Rick D.; Houghton, William; Palmer, Darrel; and Kammerer, Kevin, 4,867,153, Cl. 128-205.120.
Palmer, Darrel, 4,836,199, Cl. 128-207.160.
Palmer, Darrel, 4,846,376, Cl. 222-190.000.
Palmer, Darrel, 4,872,579, Cl. 128-205.190.

Ballard, Raymond M.; and Forrest, Albert W., Jr., to Du Pont de Nemours, E. I., and Company. Apparatus for winding film. 4,850,54 7-25-89, Cl. 242-67.10R.

Ballard, Robert S.; and Clark, Steven D., to Megascan Technology, Inc. High-speed dual mode graphics memory. 4,845,640, 7-4-89, Cl. 364-518.000.

Ballard, Wayne W.: *See—*
Evans, Walter R.; Remenicky, Joseph M.; Jasper, Thomas E.; and Ballard, Wayne W., 4,875,351, Cl. 70-271.000.

Ballas, Robert A.; and Frey, William A., to Du Pont de Nemours, E. I., and Company. Method for detecting enzymatic activity using particle agglutination. 4,812,395, 3-14-89, Cl. 435-7.000.

Ballas, Robert A.; and Frey, William A., to Du Pont de Nemours, E. I., and Company. Method for detecting enzymatic activity using particle agglutination. 4,812,396, 3-14-89, Cl. 435-7.000.

Ballas, Thomas A.; Harbottle, William E.; and Keller, Russell W., to Timken Company, The. Machine for measuring generally circular objects in cylindrical coordinates. 4,800,652, 1-31-89, Cl. 33-552.000.

Ballato, Arthur, to United States of America, Army. Method of making an acceleration hardened resonator. 4,836,882, 6-6-89, Cl. 156-626.000.

Ballato, Arthur, to United States of America, Army. Method of making a crystal oscillator desensitized to acceleration fields. 4,871,986, 10-3-89, Cl. 331-158.000.

Balle, Gerhard: *See—*
Sanders, Josef; Reiff, Helmut; Balle, Gerhard; and Dieterich, Dieter, 4,797,427, Cl. 521-159.000.

Ballerio, Dante; and Pancotti, Santino, to Costruziono Aeronautiche Giovanni Agusta S.p.A. Helicopter. 4,809,930, 3-7-89, Cl. 244-17.110.

Ballestero, Nancy: *See—*
McCants-Reed, Dorothy; and Ballestero, Nancy, 4,807,304, Cl. 2-405.000.

Ballestrazzi, Aris; and Tassi, Lamberto, to SITMA - Societa Italiana Macchine Automatiche S.p.A. Packaging machine for the continuous packaging of individual products, and of groups of overlapped products having a variable height. 4,831,809, 5-23-89, Cl. 53-64.000.

Ballestrazzi, Aris; and Tassi, Lamberto, to Sitma-Societa Italiana Macchine Automatiche, S.p.A. Packaging machine for the continuous packaging of products having a variable size. 4,881,357, 11-21-89, Cl. 53-64.000.

Ballet Design, Inc.: *See—*
Harlan, Sven, 4,795,150, Cl. 272-144.000.

Ballet, Jean-Noel, to ECIA - Equipements et Composants pour l'Industrie Automobile. Winder for a safety belt. 4,844,375, 7-4-89, Cl. 242-107.40A.

Balleys, Francois: *See—*
Mamin, Pierre-Alexandre; Babel, Bernard; and Balleys, Francois, 4,883,934, Cl. 219-69.120.

Ballin, Claude. Apparatus for heating a bath. 4,815,440, 3-28-89, Cl. 126-360.00R.

Balling, Lothar: *See—*
Schmelz, Helmut; Thomann, Helmut; Kuschke, Renate; Wilbert, Eva-Helga; Gajewski, Wolfgang; Sprehe, Josef; Landgraf, Norbert; Ranly, Hans; Balling, Lothar; Reppisch, Richard; and Hein, Dietmar, 4,812,296, Cl. 423-239.000.

Balling, Peter: *See—*
Roederer, Antoine G.; Rammos, Emmanuel; and Balling, Peter, 4,814,778, Cl. 343-754.000.

Ballinger, Forrest H.; and Kohne, Maurice H., to Harmon Industries, Inc. Random signature island circuit. 4,868,538, 9-19-89, Cl. 340-933.000.

Ballinger, Kedric L.; and Dornbush, Robert A., Sr. Golf practice apparatus. 4,875,685, 10-24-89, Cl. 273-195.00B.

BallistiVet, Inc.: *See—*
Chevalier, Martin A., 4,863,428, Cl. 604-130.000.

Ballmer, Horst; and Grosskopf, Rudolf, to Zeiss Ikon AG. Method and apparatus for non-contacting information transmission. 4,876,535, 10-24-89, Cl. 340-825.340.

Balloni, Ricardo; Keung, Jay K.; and Mount, Eldridge M., III, to Mobil Oil Corporation. Process for manufacturing a metallized polyolefin film and resulting film. 4,888,237, 12-19-89, Cl. 428-347.000.

Ballor, John R.; Ireland, Elton H.; and Bien, Alfred A., to Chrysler Motors Corporation. Arrangement for mounting automotive glass to liftplate. 4,848,032, 7-18-89, Cl. 49-350.000.

Ballou, Byron T., to University of Pittsburgh. Method for selection of antigens suitable as in vivo targets for antibodies. 4,798,719, 1-17-89, Cl. 424-1.100.

Ballou, Richard; Belyeu, Stanley M.; Boscove, Joseph A.; Kurtz, Hobart L.; Langer, Peter; McNeill, Andrew B.; Reid, Bernard M.; and Rodriguez, Herman, to International Business Machines Corporation. System for creating and controlling interactive graphic display screens. 4,811,240, 3-7-89, Cl. 364-518.000.

Ballreich, Kurt; Homburg, Axel; Rammensee, Horst; and Umbach, Hans, to Dynamit Nobel Aktiengesellschaft. Use of radiation-cross-linked polyethylene. 4,809,612, 3-7-89, Cl. 102-466.000.

Ballschuh, Detlef; Seibt, Horst; Ohme, Roland; Rusche, Jochen; Gruendemann, Egon; and Krause, Elke, to Akademie der Wissenschaften der DDR. Novel 3-sulfinatomethyl-or 3-sulfonatomethyl-4-sulfomethyl pyrrolidinium betaines and their salts as well as process for making the same. 4,877,885, 10-31-89, Cl. 548-570.000.

Ballu, Patrick, to Tecnoma. Device for rinsing containers. 4,872,467, 10-10-89, Cl. 134-104.200.

Ballu, Patrick J. M., to Tecnoma. Portable liquid sprayer, particularly for the treatment of plants. 4,881,687, 11-21-89, Cl. 239-332.000.

Ballun, John V.: *See—*
Wilson, A. Kenneth; and Ballun, John V., 4,863,144, Cl. 251-316.000.
Wilson, A. Kenneth; and Ballun, John V., 4,887,629, Cl. 137-15.000.

Bally Engineered Structures, Inc.: *See—*
Linnenberger, Ernest N., 4,844,975, Cl. 428-306.600.

Bally Manufacturing Corporation: *See—*
Andrews, Linda; Brewer, Michael; and Vassiladis, Arthur, 4,864,410, Cl. 358-443.000.
Englehardt, William H.; Keane, Martin A.; Svilans, Olgerts J.; and Kirch, Russell W., 4,831,242, Cl. 235-382.000.
Frederiksen, Jeffrey E., 4,799,677, Cl. 273-1.00E.
Greenwood, Nick E., 4,813,675, Cl. 273-138.00A.
Keane, Martin A., 4,858,932, Cl. 273-143.00R.
Oglesby, Gary; and Andrus, Bryan, 4,840,372, Cl. 272-72.000.
Pasierb, John J., Jr., 4,871,167, Cl. 273-1.00E.
Robards, Chester F., Jr.; and Kolomayets, George, 4,846,461, Cl. 272-72.000.

Bally, Marcel B.; Loughrey, Helen; and Cullis, Pieter R., to Liposome Company, Inc., The. Composition for targeting, storing and loading of liposomes. 4,885,172, 12-5-89, Cl. 424-417.000.

Bally, Marcel B.: *See—*
Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.

Bally Midway Mfg. Co.: *See—*
Nordman, Dennis, 4,828,263, Cl. 273-119.00A.

Ballyns, Jan; Martin, Paul H.; and Martin, John C., to Diesel Equipment Limited. Doors for vans. 4,860,813, 8-29-89, Cl. 160-188.000.

Ballyns, Jan. Pressure alarm system for motor vehicle tires. 4,890,090, 12-26-89, Cl. 340-442.000.

Balmer, Charles. Cleaning arrangement for a roller metering device. 4,811,864, 3-14-89, Cl. 222-148.000.

Balmer, Charles. Pneumatic distribution system with split ducts. 4,826,088, 5-2-89, Cl. 239-655.000.

Balmer, Charles. Condensation controller. 4,870,252, 9-26-89, Cl. 219-331.000.

Balmer, David K.; and Tyree, William H., to United States of America, Energy. Room air monitor for radioactive aerosols. 4,820,925, 4-11-89, Cl. 250-379.000.

Balmer, Norman L.: *See—*
Jackson, John E.; and Balmer, Norman L., 4,884,820, Cl. 277-53.000.

Balmer, Richard H.; and Pfeiffer-Meshaw, Barbara A., to Armstrong World Industries, Inc. Decorative surface coverings with dot patterns. 4,797,315, 1-10-89, Cl. 428-167.000.

Balmer, Richard H.; and Wertz, Patricia L., to Armstrong World Industries, Inc. Decorative surface coverings. 4,816,317, 3-28-89, Cl. 428-167.000.

Balmer, Richard H.; and Wertz, Patricia L., to Armstrong World Industries, Inc. Method for producing decorative surface coverings. 4,847,117, 7-11-89, Cl. 427-265.000.

Balmer, Richard H.; and Pfeiffer-Meshaw, Barbara A., to Armstrong World Industries, Inc. Process for the preparation of decorative surface coverings with dot patterns. 4,881,999, 11-21-89, Cl. 156-231.000.

Balog, Stephen; and Hiestand, Everett N., to Upjohn Company, The. Tablet press. 4,880,373, 11-14-89, Cl. 425-149.000.

Balog, Stephen: *See—*
Hiestand, Everett N.; and Balog, Stephen, 4,885,933, Cl. 73-79.000.

Baloga, Mark A.; Trimborn, Edmond; and Fussler, Philippe, to Steelcase Inc. Space partition arrangement. 4,856,242, 8-15-89, Cl. 52-239.000.

Balogh, Edward, Jr.; Faultersack, David D.; Peter, Jack; Roddy, Stephen P.; and Thune, Eric B., to Unisys Corporation. Addressing system for an expandable modular electromechanical memory assembly. 4,811,275, 3-7-89, Cl. 364-900.000.

Balogh, Edward N.: *See—*
Hoggan, Lynn D.; Van Wagoner, Earl, III; and Balogh, Edward N., 4,799,671, Cl. 272-118.000.

Balogh, George F.: *See—*
Halasa, Adel F.; Gross, Bill B.; Cox, Joel L.; and Balogh, George F., 4,843,120, Cl. 525-53.000.

Balogh, Gyula; Boros nee Gundar, Iren; Gajary, Antal; Hidasi, Gyorgy; Rappi, Andras; Rakoczi, Jozsef; Soos, Rudolf; Szekely, Istvan; and Zoltan, Sandor, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Process for separating pyethroid geometric isomers. 4,843,174, 6-27-89, Cl. 562-506.000.

Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, to Eszakmagyarorszagi Vegyimuvek. N-alkyl or N-alkylene substituted glycin amides as insecticides or fungicides. 4,870,065, 9-26-89, Cl. 514-119.000.

Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, to Eszakmagyarorszagi Vegyimuvek. Novel N-alkyl or N-alkenyl-N-(O,O-disubstituted-thio-phosphoryl)-N',N'-disubstituted glycin amides, process for the preparation thereof and acaricide, insecticide and fungicide containing these compounds as active ingredient. 4,889,944, 12-26-89, Cl. 558-171.000.

Balogh, Karoly: *See—*
Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.

Balogh, Maria: *See—*
Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Rithi, Peter; Sipos, Judit; and Pajor, Aniko, 4,803,274, Cl. 546-13.000.
Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased;

Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,806,645, Cl. 546-13.000.
Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Szuts, Tamas; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,871,849, Cl. 544-229.000.
Balogh nee Kardos, Zsuzsanna: *See—*
Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
Baloh, Frank J.: *See—*
Gilmore, Charles B.; Kisak, James L.; Oberst, Jeffrey P.; Wood, John D.; and Baloh, Frank J., 4,803,042, Cl. 376-272.000.
Balopole, Harvey L.; Martinolich, James J.; Roberts, Arthur; and Sadowski, Henry W., to Fairchild Weston Systems, Inc. Video enhancement method and system. 4,839,726, 6-13-89, Cl. 358-166.000.
Baloutch, Essacq; and Baloutch, Jacqueline. Road safety installation with emission of sound messages. 4,816,827, 3-28-89, Cl. 340-905.000.
Baloutch, Jacqueline: *See—*
Baloutch, Essacq; and Baloutch, Jacqueline, 4,816,827, Cl. 340-905.000.
Balovnev, Vladilen I.: *See—*
Sivachenko, Leonid A.; Balovnev, Vladilen I.; Surovegin, Jury V.; Maximenko, Alexei N.; Moiseenko, Vladimir V.; and Gobralev, Nikolai N., 4,827,455, Cl. 366-292.000.
Balquet, Robert: *See—*
Guezou, Jean-Pierre R.; Lambati, Bertrand; Balquet, Robert; and Machabert, Michel, 4,862,820, Cl. 114-278.000.
Bals, Edward J.: *See—*
Coffee, Ronald A.; Noakes, Timothy J.; Bancroft, Stephen J.; and Bals, Edward J., 4,846,407, Cl. 239-690.000.
Balsam Sportstattenbau & Co. KG: *See—*
Breitscheidel, Hans-Ulrich; Kautz, Rudolf; and Sandermann, Karl-Heinz, 4,882,208, Cl. 428-17.000.
Balsamico, William A.; and Minnick, Walter J., Jr. Ice measuring and dispensing machine. 4,878,523, 11-7-89, Cl. 141-114.000.
Balsavage, Walter; and Aikman, Floyd O., to Balsavage, Walter. Magazine and feed mechanism for firearms. 4,825,743, 5-2-89, Cl. 89-33.100.
Balsbaugh, Vernon L. Stackable chair with sliding compartment. 4,807,929, 2-28-89, Cl. 297-191.000.
Balsborg, Kaj: *See—*
Agner, Bent; and Balsborg, Kaj, 4,841,840, Cl. 89-154.000.
Balsells, Joan C.: *See—*
Balsells, Peter J., 4,804,290, Cl. 403-326.000.
Balsells, Peter J., 4,805,943, Cl. 285-318.000.
Balsells, Peter J., 4,826,144, Cl. 267-167.000.
Balsells, Peter J., 4,830,344, Cl. 267-167.000.
Balsells, Peter J., 4,876,781, Cl. 29-173.000.
Balsells, Peter J., to Balsells, Peter J.; and Balsells, Joan C. Latching and sealing device. 4,804,290, 2-14-89, Cl. 403-326.000.
Balsells, Peter J., to Balsells, Peter J.; and Balsells, Joan C. Rotary/reciprocating seal apparatus. 4,805,943, 2-21-89, Cl. 285-318.000.
Balsells, Peter J., to Balsells, Peter J.; and Balsells, Joan C. Inside back angle canted coil spring. 4,826,144, 5-2-89, Cl. 267-167.000.
Balsells, Peter J., to Balsells, Peter J.; and Balsells, Joan C. Canted-coil spring with turn angle and seal. 4,830,344, 5-16-89, Cl. 267-167.000.
Balsells, Peter J., to Balsells, Peter J.; and Balsells, Joan C. Method of making a garter-type axially resilient coiled spring. 4,876,781, 10-31-89, Cl. 29-173.000.
Baltensperger, Eduard, to Eduard Baltensperger; and Eicher, Kurt. Pulling or loading vehicle with free space between the rear wheels. 4,860,843, 8-29-89, Cl. 180-373.000.
Baltensperger, Werner: *See—*
Lippuner, Christian; and Baltensperger, Werner, 4,881,689, Cl. 241-9.000.
Balter, Valentin, to Huntington Mechanical Laboratories, Inc. Manipulator for vacuum applications. 4,797,053, 1-10-89, Cl. 414-749.000.
Balter, Valentin; and Hooper, Gerald H., to Huntington Mechanical Laboratories, Inc. Mechanism for feedthrough of rotary motion to a sealed chamber. 4,885,947, 12-12-89, Cl. 74-18.100.
Balter, Valetin, to Huntington Mechanical Laboratories, Inc. Mechanism for feedthrough of rotary and/or linear motions to a sealed chamber. 4,885,946, 12-12-89, Cl. 74-18.100.
Baltes, Hans. Process for drying and sterilizing goods in a closed circulating system. 4,869,872, 9-26-89, Cl. 422-1.000.
Balthaser, Paul E.: *See—*
Robertson, James D.; and Balthaser, Paul E., 4,852,769, Cl. 222-83.500.
Balthazor, Terry M.; and Tremont, Samuel J., to Monsanto Company. Catalytic hydrodesulfurization of ortho-aminobenzylsulfides. 4,806,687, 2-21-89, Cl. 564-442.000.
Balthazor, Terry M.: *See—*
Miller, William H.; and Balthazor, Terry M., 4,804,500, Cl. 260-502.50E.
Baltimore Aircoil Company, Inc.: *See—*
Carter, Thomas P.; Haman, Lindsay L.; Miller, Robert P.; and Schinner, Edward N., 4,831,831, Cl. 62-59.000.
Garrish, Bryan F., 4,873,028, Cl. 261-109.000.
Baltimore Specialty Steels Corporation: *See—*
Cordea, James N.; Jasper, Joseph C.; and Sheth, Harshad V., 4,822,556, Cl. 420-59.000.
Baltimore Therapeutic Equipment Co.: *See—*
Vermette, John E., 4,795,351, Cl. 434-258.000.
Baltus, Peter G.: *See—*
van de Plassche, Rudy J.; and Baltus, Peter G., 4,870,417, Cl. 341-118.000.
Baltusis, Frederick A.: *See—*
Joffee, Irving B.; Degen, Peter J.; and Baltusis, Frederick A., 4,855,163, Cl. 427-244.000.
Baltusis, Paul A.; and Wolodkiewicz, Stephen R., to Ford Motor Company. Hydraulic control valve system for an automatic multiple speed transmission with a lockup torque converter and electronically operated lockup control. 4,817,473, 4-4-89, Cl. 74-869.000.
Baltusis, Paul A.; Buch, Lawrence H.; Holcomb, Richard S.; Kurdziel, Leonard J.; and Rein, Gerald W., to Ford Motor Company. Control of engine speed with automatic transmissions. 4,823,266, 4-18-89, Cl. 364-424.100.
Baltz, Gene F.; and Belec, Glenn R., to Outboard Marine Corporation. Abrasion resistant roller apparatus for internal combustion engines. 4,800,856, 1-31-89, Cl. 123-413.000.
Baltz, Gene F., to Outboard Marine Corporation. Fuel feed system. 4,809,666, 3-7-89, Cl. 123-516.000.
Baltz, Gene F.; and Zgorzelski, Geoffrey S., to Outboard Marine Corporation. Carburetor pulse-back damping system for 2-cycle internal combustion engine. 4,825,821, 5-2-89, Cl. 123-73.00A.
Baltz, Gene F.; and Hunt, Paul R., to Outboard Marine Corporation. Fluid flow restriction warning indicator. 4,870,392, 9-26-89, Cl. 340-608.000.
Baltz, Rainier; and Fuhrer, Jean-Claude, to La Telephonie Industrielle et Commerciale Telic Alcatel. Digital time-division multiplex switch based telephone subscriber connection system. 4,839,888, 6-13-89, Cl. 370-68.100.
Baltzer, Erich, to Hergeth Hollingsworth GmbH. Apparatus for the production of short warps especially for cloth designs in multicolor weaving. 4,831,695, 5-23-89, Cl. 28-191.000.
Baltzer, Gary L.; Lynch, Brian; and O'Brien, William D., Jr., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Methods of adjusting the configuration of optical substrates. 4,875,916, 10-24-89, Cl. 65-2.000.
Balwant, Singh; and Forgione, Peter S., to American Cyanamid Company. 1,3,5-tris(1-isocyanatomethylethyl)benzene in polyurethanes. 4,882,385, 11-21-89, Cl. 525-123.000.
Baly, Elliott J.: *See—*
Elris, Viggo; Johnson, Roderick M.; Hamilton, Robert E.; and Baly, Elliott J., 4,814,651, Cl. 310-88.000.
Balyasny, Marik, to G & H Technology, Inc. Fiber optic connector. 4,799,759, 1-24-89, Cl. 350-96.210.
Balz, Helmut: *See—*
Ehrhardt, Gerd, 4,846,617, Cl. 417-187.000.
Balz, Werner: *See—*
Grau, Werner; Kohl, Albert; Kovacs, Jenoe; Balz, Werner; and Muenzer, Wulf, 4,842,896, Cl. 427-131.000.
Balzan, Matthew L.; Geissberger, Arthur E.; and Sadler, Robert A., to ITT Gallium Arsenide Technology Center, a division of ITT Corporation. Self-aligned gate FET process using undercut etch mask. 4,847,212, 7-11-89, Cl. 437-41.000.
Balzan, Matthew L.; Geissberger, Arthur E.; and Sadler, Robert A., to ITT, a division of ITT Corporation Gallium Arsenide Technology Center. Self-aligned refractory gate process with self-limiting undercut of an implant mask. 4,849,376, 7-18-89, Cl. 437-228.000.
Balzano, Alfiero; and Dove, Dan. Connector. 4,802,866, 2-7-89, Cl. 439-496.000.
Balzano, Alfiero: *See—*
Visco, Frank; and Balzano, Alfiero, 4,856,140, Cl. 16-114.00R.
Balzano, Quirino; and Garay, Oscar M., to Motorola, Inc. High efficiency helical antenna. 4,800,395, 1-24-89, Cl. 343-895.000.
Balzano, Quirino: *See—*
Garay, Oscar M.; Balzano, Quirino; and Manning, Thomas 4,800,392, Cl. 343-700.0MS.
Ponce De Leon, Lorenzo A.; Stamps, Douglass K., Jr.; and Balzano, Quirino, 4,862,181, Cl. 343-702.000.
Balzer, Dieter, to Huels Aktiengesellschaft. Process for recovery of oil from a subsurface reservoir by surfactant flooding. 4,825,951, 5-2-89, Cl. 166-274.000.
Balzer, Dieter, to Huels Aktiengesellschaft. Process for enhanced recovery of oil from a subsurface reservoir for surfactant flooding. 4,842,067, 6-27-89, Cl. 166-274.000.
Balzer, Marion: *See—*
Henkels, Wolf-Dieter; and Balzer, Marion, 4,879,306, Cl. 514-441.000.
Balzer, Norbert R., to Tocco, Inc. Method and apparatus for shrink fitting metal liner sleeves into inductor heated engine cylinder bore. 4,849,594, 7-18-89, Cl. 219-10.430.
Balzers Aktiengesellschaft: *See—*
Bergmann, Erich, 4,877,505, Cl. 204-192.380.
Bergmann, Erich; and Braus, Jurgen, 4,889,772, Cl. 428-547.000.
Krueger, Hans; and Good, Hans P., 4,800,568, Cl. 372-99.000.
Kunz, Anton, 4,889,494, Cl. 439-13.000.
Schadler, Walter, 4,828,273, Cl. 277-165.000.
Winkler, Otto; and Hofer, Hans, 4,843,277, Cl. 313-346.00R.
Bamba, Hiroshi: *See—*
Nakamura, Tamiya; Bamba, Hiroshi; Furuhashi, Toru; Ohta, Takaaki; Kishino, Kuniaki; and Inagaki, Toshihiko, 4,845,710, Cl. 370-110.100.
Bamba, Noriko: *See—*
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Bamba, Toshiaki: *See—*
Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ushimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eiko

Harada, Masakatsu; Aoki, Masahiro; and Kimura, Toru, 4,869,754, Cl. 106-404.000.
Bambacigno, Ralph: *See—*
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Bambara, John D.; Flathers, Charles E., Jr.; Knaus, Dennis A.; and Palmieri, Gregory G., to Packaging Industries Group, Inc. Multicolored foam and method for making. 4,836,814, 6-6-89, Cl. 441-65.000.
Bambara, John D.; and Erceg, Jack P., to Packaging Industries Group, Inc. Tubing plank. 4,837,060, 6-6-89, Cl. 428-36.500.
Bambara, Joseph E., to Servo Corporation of America. Acoustic detection of bearing defects. 4,843,885, 7-4-89, Cl. 73-660.000.
Bambeck, Gregory S.: *See—*
Sibley, Kenneth R.; and Bambeck, Gregory S., 4,887,376, Cl. 43-42.060.
Bamberg, Paul G.; Baker, James K.; Gillick, Laurence; and Roth, Robert S., to Dragon Systems, Inc. Method for speech analysis and speech recognition. 4,805,218, 2-14-89, Cl. 381-43.000.
Bamberg, Paul G.: *See—*
Gillick, Laurence; Bamberg, Paul G.; Baker, James K.; and Roth, Robert S., 4,837,831, Cl. 381-43.000.
Bamberger, Carlos E., to United States of America, Energy. Process for making transition metal nitride whiskers. 4,883,559, 11-28-89, Cl. 156-603.000.
Bamberger, Hans: *See—*
Eylers, Dieter; and Bamberger, Hans, 4,797,982, Cl. 24-11.00R.
Bamburak, Paul S.: *See—*
Uthe, P. Michael; and Bamburak, Paul S., 4,815,001, Cl. 364-477.000.
Bamelis, Jean-Marie: *See—*
Van Bogaert, Philippe; and Bamelis, Jean-Marie, 4,813,460, Cl. 139-435.000.
Bamer, Franz, to Robert Bosch GmbH. Apparatus for shielding and protecting an air flow rate meter disposed in the intake tube of an internal combustion engine from air column fluctuations. 4,879,898, 11-14-89, Cl. 73-118.200.
Bamford, Allan J.; and Wayland, Paul O., to Westinghouse Electric Corp. Vacuum circuit interrupter with axial magnetic arc transfer mechanism. 4,847,456, 7-11-89, Cl. 200-144.00B.
Bamforth, Charles W.; and Cope, Roy, to Bass Public Limited Company. Beer and other beverages and their manufacture. 4,880,643, 11-14-89, Cl. 426-16.000.
Bamji, Soli S.; Bulinski, Aleksander T.; and Densley, John, to Canadian Patents and Development Limited. Electrical tree suppression in high-voltage polymeric insulation. 4,870,121, 9-26-89, Cl. 524-91.000.
Bampton, Clifford C., to Rockwell International Corporation. Method for fabricating monolithic aluminum structures. 4,820,355, 4-11-89, Cl. 148-11.50A.
Ban, Amir: *See—*
Barnea, Daniel; Stokar, Saul; Zur, Yuval; Kaplan, Noam; and Ban, Amir, 4,825,161, Cl. 324-309.000.
Ban, Ivan: *See—*
Walenta, Reiner; Muller-Peddinghaus, Reiner; Ban, Ivan; Wurl, Michael; and Preuschoff, Ulf, 4,886,806, Cl. 514-253.000.
Ban, Kazu. Roll holder. 4,826,063, 5-2-89, Cl. 225-52.000.
Ban, Keisuke; Sato, Masakazu; Fujito, Bakugo; and Kikuchi, Kousuke, to Honda Giken Kogyo Kabushiki Kaisha; and Kabushiki Kaisha Tenan Industries. Hydraulic control method for implements. 4,884,621, 12-5-89, Cl. 164-4.100.
Ban, Keisuke: *See—*
Sato, Masakazu; Ban, Keisuke; Fujito, Bakugo; and Konishi, Michio, 4,846,252, Cl. 164-120.000.
Ban, Kunikatsu: *See—*
Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, 4,868,364, Cl. 219-110.000.
Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, 4,879,445, Cl. 219-64.000.
Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, to Honda Research and Development Co., Ltd. Control valve driving device in an internal combustion engine. 4,819,590, 4-11-89, Cl. 123-65.00P.
Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, to Honda Giken Kogyo Kabushiki Kaisha. Pulsation controller in the intake/exhaust systems of internal combustion engines. 4,827,880, 5-9-89, Cl. 123-65.00E.
Ban, Mikichi; Kakuchi, Osamu; Yamamoto, Hironori; Ohtsuka, Masaru; Shiba, Osamu; and Hara, Kazuhiko, to Canon Kabushiki Kaisha. Fabry-perot spectroscopy method and apparatus utilizing the same. 4,850,709, 7-25-89, Cl. 356-352.000.
Ban, Thomas A.: *See—*
Brown, Thomas E.; Brown, Thomas P.; and Ban, Thomas A., 4,826,817, Cl. 514-19.000.
Ban, Tomohiro: *See—*
Hirata, Keiti; Morimoto, Yoshinari; Ban, Tomohiro; Furushima, Tokihito; Miura, Tomoko; and Ikeda, Yoshie, 4,839,827, Cl. 364-518.000.
Ban, Yasuo: *See—*
Masui, Motonobu; and Ban, Yasuo, 4,827,190, Cl. 313-624.000.
Ban, Yasuomi, to Kabushiki Kaisha Toshiba. Recording paper and conveying method of the recording paper having both transmission area and non-transmission areas. 4,847,131, 7-11-89, Cl. 428-43.000.
Ban, Yoshiyuki: *See—*
Sangyoji, Kazuo; Yamamoto, Takemi; Takagi, Osamu; Yoshida, Hitoshi; Iwao, Naoto; and Ban, Yoshiyuki, 4,814,808, Cl. 354-304.000.
Ban, Yuzaburo; Tsuji, Hiroaki; Sasai, Youichi; Ogura, Mototsugu; and Serizawa, Hiroyuki, to Matsushita Electric Industrial Co., Ltd. Method of fabricating compound semiconductor laser using selective irradiation. 4,843,031, 6-27-89, Cl. 437-129.000.
Ban, Yuzaburo; Manno, Masaya; Kubo, Minoru; Morisaki, Mototsugu; and Ogura, Mototsugu, to Matsushita Electric Industrial Co., Ltd. Method of laser enhanced vapor phase growth for compound semiconductor. 4,885,260, 12-5-89, Cl. 437-81.000.
Banahan, Robert J. Fire extinguishing apparatus. 4,852,656, 8-1-89, Cl. 169-91.000.
Banai, Endre; Bacsinsky, Tibor; Kormos, Vladimir; and Molnar, Jozsef, to Hungaria Muanyagfeldolgozo Vallalat; and Melyepitesi Tervezo Vallalat. Plastics elements for inordinate film-flow packings. 4,842,920, 6-27-89, Cl. 428-184.000.
Banas, Mark D.: *See—*
Smith, Michael W.; Steagall, Robert N., deceased; Banas, Mark D.; Chlebina, Lawrence E.; Greenlese, Brady G.; and Stokes, James D., 4,806,196, Cl. 156-422.000.
Banasiak, Dennis S.: *See—*
Vanderveen, John W.; and Banasiak, Dennis S., 4,818,442, Cl. 260-405.500.
Banasiak, Lothar; Edlich, Wilfried; Lyr, Horst; Nega, Eva; and Sunkel, Marianne, to Institut fuer Pflanzenschutzforschung Kleinmachnow der Akademie der Landwirtschaftswissenshafen der DDR. N-alkyl-2,6-dimethylmorpholinocarboxamide salts, their preparation, and their use as fungicides. 4,879,291, 11-7-89, Cl. 514-237.800.
Banavar, Jayanth R.; Johnson, David L.; Nagel, Sidney R.; and Safinya, Kambiz A., to Schlumberger Technology Corp. Method and apparatus for measurement of the thermal behavior of porous media. 4,855,912, 8-8-89, Cl. 364-422.000.
Banba, Fumiyasu; and Okami, Yoshinori, to Hitachi, Ltd. System for retrieving distributed information in a data base. 4,803,614, 2-7-89, Cl. 364-200.000.
Banba, Nobuyuki: *See—*
Uchida, Kenji; Banba, Nobuyuki; Kuroiwa, Minoru; Saito, Makoto; and Kamino, Yukishige, 4,854,783, Cl. 406-13.000.
Banba, Takeshi: *See—*
Hoshi, Katsumasa; Nomura, Yukihiro; Kamei, Ryosuke; Shibano, Hiroshi; and Banba, Takeshi, 4,850,533, Cl. 239-33.000.
Banchelin, Jean S. L.: *See—*
Valy, Yves; Gadbin, Michel; Banchelin, Jean S. L.; and Bourcereau, Jean, 4,833,334, Cl. 250-515.100.
Bancroft, Beverly: *See—*
Bancroft, Darl; and Bancroft, Beverly, 4,878,586, Cl. 211-106.000.
Bancroft Cap Company: *See—*
Goldman, Stephen; and Richardson, John, 4,856,117, Cl. 2-195.000.
Bancroft, Darl; and Bancroft, Beverly. Rack and tube member for organizing electrical cords. 4,878,586, 11-7-89, Cl. 211-106.000.
Bancroft, Joseph C. Vent guide. 4,825,595, 5-2-89, Cl. 49-419.000.
Bancroft, Stephen J.: *See—*
Coffee, Ronald A.; Noakes, Timothy J.; Bancroft, Stephen J.; and Bals, Edward J., 4,846,407, Cl. 239-690.000.
BancTec Inc.: *See—*
Durham, Thomas J., 4,821,332, Cl. 382-7.000.
Band, Elliot I.; and Sherif, Fawzy G., to Stauffer Chemical Company. Preparation of activators for fast-setting cements. 4,806,165, 2-21-89, Cl. 106-85.000.
Band, Elliot I.; and Eberhart, Suzanne T., to Akzo America Inc. Preparation of hexaalkylcyclotrisilthiane. 4,885,378, 12-5-89, Cl. 556-426.000.
Band, Gerhard; and Broghammer, Heinz, to Mauser-Werke Oberndorf GmbH. Coordinate measuring machine. 4,889,519, 12-26-89, Cl. 474-101.000.
Band-It Idex, Inc.: *See—*
Jansen, George A.; and Hinnen, Hans R., 4,887,334, Cl. 24-23.00R.
Band, Yehuda B.; Heller, Donald F.; Krasinski, Jerzy S.; and Ackerhalt, Jay R., to Allied-Signal Inc. Interlocked ring intracavity raman laser method of generating raman shifted laser output. 4,829,528, 5-9-89, Cl. 372-3.000.
Bandelli, Mauro: *See—*
Garulli, Augusto; Donizetti, Gaetano; and Bandelli, Mauro, 4,833,979, Cl. 99-287.000.
Bandiera, Angelo: *See—*
Teillauchet, Eric; and Bandiera, Angelo, 4,873,885, Cl. 74-520.000.
Bandlish, Baldev K., to B. F. Goodrich Company, The. Sealant compositions or coating mixtures containing functional silane or siloxane adhesion promotors nonreactive with blocked isocyanates. 4,847,319, 7-11-89, Cl. 524-589.000.
Bandlish, Baldev K.; and Barron, Larry R., to Tremco Incorporated. Polyurethanes made from blends of polypropyleneoxide polyol and polybutyleneoxide polyol intermediates. 4,870,150, 9-26-89, Cl. 528-45.000.
Bando, Akio: *See—*
Suzuki, Yasunobu; Kato, Motohiko; Bando, Akio; Ishida, Hisao; and Nishimura, Akihiro, 4,887,758, Cl. 228-5.100.
Bando, Akira: *See—*
Kuwabara, Takao; Bando, Akira; Haraguchi, Eiji; and Nakagawa, Hiroto, 4,823,018, Cl. 290-7.000.
Bando Chemical Industries, Ltd.: *See—*
Inukai, Masahiro; and Matsuoka, Hiroshi, 4,813,920, Cl. 474-240.000.
Kitabayashi, Masayuki; and Tanaka, Michio, 4,878,886, Cl. 474-204.000.
Kobata, Tomokazu; and Matsui, Yosuke, 4,889,785, Cl. 430-59.000.
Kuroda, Hideo; and Taniguchi, Masao, 4,818,621, Cl. 428-424.600.
Miyata, Hirofumi, 4,838,834, Cl. 474-11.000.
Miyata, Hirofumi; Kuchisubo, Katsushiro; and Sakamoto, Chikara, 4,869,706, Cl. 474-8.000.

Bando, Hiroshi: *See—*

Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, 4,866,271, Cl. 250-306.000.

Bando, Keiji: *See—*

Jindai, Hideo; Bando, Keiji; Yoshida, Masakazu; and Yamada, Hideki, 4,889,466, Cl. 414-694.000.

Bando Kiko Co., Ltd.: *See—*

Bando, Shigeru, 4,843,764, Cl. 51-110.000.

Bando, Yoshihiro, 4,822,262, Cl. 418-120.000.

Bando, Shigeru, to Bando Kiko Co., Ltd. Glass plate grinding apparatus. 4,843,764, 7-4-89, Cl. 51-110.000.

Bando, Shinsuki, to Fuji Photo Film Co., Ltd. Silver halide color reversal photosensitive material. 4,839,268, 6-13-89, Cl. 430-567.000.

Bando, Thoru: *See—*

Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, 4,812,507, Cl. 524-611.000.

Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, 4,853,443, Cl. 525-534.000.

Bando, Yoshihiro, to Bando Kiko Co., Ltd. Rotary engine having rollers for the apex seal. 4,822,262, 4-18-89, Cl. 418-120.000.

Bandoh, Tadaaki: *See—*

Abe, Shigeo; Bandoh, Tadaaki; Hirasawa, Kotaro; and Ide, Jushi, 4,853,890, Cl. 364-900.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,811,269, Cl. 364-754.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,839,846, Cl. 364-748.000.

Matsumoto, Hidekazu; Bandoh, Tadaaki; Hiraoka, Ryosei; Morioka, Takayuki; and Miyazaki, Yoshihiro, 4,807,113, Cl. 364-200.000.

Bandoian, Marlene R. A.: *See—*

Boomgaarden, Jonathan C.; Bandoian, Marlene R. A.; and Ambrose, David W., 4,829,844, Cl. 74-470.000.

Bandukwalla, Phiroze, to Dresser Industries, Inc. Open impeller for centrifugal compressors. 4,820,115, 4-11-89, Cl. 415-98.000.

Bandukwalla, Phiroze, to Dresser-Rand Company. Diffuser having split tandem low solidity vanes. 4,824,325, 4-25-89, Cl. 415-211.000.

Bandukwalla, Phiroze, to Dresser-Rand Company. Spiral grooves in a turbine rotor. 4,830,575, 5-16-89, Cl. 416-95.000.

Bandukwalla, Phiroze, to Dresser-Rand Company. Diffuser having ribbed vanes followed by full vanes. 4,850,795, 7-25-89, Cl. 415-148.000.

Bandukwalla, Phiroze, to Dresser-Rand Company. Vaned diffuser control. 4,877,369, 10-31-89, Cl. 415-148.000.

Bandukwalla, Phiroze, to Dresser-Rand Company. Vaned diffuser with small straightening vanes. 4,877,373, 10-31-89, Cl. 415-208.400.

Bandurco, Victor T.; Mallory, Robert A.; and Press, Jeffery B., to Ortho Pharmaceutical Corporation. Process for preparing 5,6-dialkoxy-4-alkyl-2(1H)-quinazolinones. 4,804,756, 2-14-89, Cl. 544-284.000.

Bandy, Harold C. Clamping assembly for a jack. 4,811,931, 3-14-89, Cl. 254-134.000.

Bandyopadhyay, Nikhiles; Tamhankar, Satish S.; and Kirschner, Mark J., to BOC Group, Inc., The. Glass to metal sealing process. 4,888,037, 12-19-89, Cl. 65-32.200.

Bandyopadhyay, Nikhiles: *See—*

Shattes, Walter J.; Bandyopadhyay, Nikhiles; and Krueger, Paul C., 4,846,267, Cl. 165-133.000.

Bandyopadhyay, Pulak; Blaser, Dwight A.; Kaminski, Brian D.; and Lee, Yong H., to General Motors Corporation. Tool wear measurement by machine vision. 4,845,763, 7-4-89, Cl. 382-8.000.

Bandyopadhyay, Pulak: *See—*

Kaminski, Brian D.; and Bandyopadhyay, Pulak, 4,841,820, Cl. 82-1.110.

Banerjee, Chandra K.; Kay, Deborah C.; and Lehman, Richard L., to R. J. Reynolds Tobacco Company. Method for modifying a substrate material for use with smoking articles and product produced thereby. 4,827,950, 5-9-89, Cl. 131-335.000.

Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., to R. J. Reynolds Tobacco Company. Smoking article. 4,854,331, 8-8-89, Cl. 131-194.000.

Banerjee, Chandra K.; and Shelar, Gary R., to R. J. Reynolds Tobacco Company. Smoking article with improved aerosol forming substrate. 4,858,630, 8-22-89, Cl. 131-364.000.

Banerjee, Chinmoy: *See—*

Mandel, Sheldon W.; and Banerjee, Chinmoy, 4,884,415, Cl. 62-277.000.

Banerjee, Pradip; and Keswick, Paul D., to Advanced Micro Devices, Inc. High speed RAM based data serializers. 4,817,054, 3-28-89, Cl. 365-189.000.

Banerjee, Pradip; and Keswick, Paul D., to Advanced Micro Devices, Inc. Data load sequencer for multiple data line serializer. 4,829,471, 5-9-89, Cl. 364-900.000.

Banerjee, Pradip; and Keswick, Paul D., to Advanced Micro Devices, Inc. Method and apparatus for resetting a video SRAM. 4,837,746, 6-6-89, Cl. 365-189.050.

Banerjee, Sanjay K., to Texas Instruments Incorporated. Two-transistor dram cell with high alpha particle immunity. 4,864,374, 9-5-89, Cl. 357-23.600.

Banerjee, Subrata; and Sullivan, Neal T., to Magneco/Metrel, In Reinforcement of refractories by pore saturation with particulat fillers. 4,851,264, 7-25-89, Cl. 427-294.000.

Banerji, Abinash; and Reif, Winfried, to London & Scandinavian Metallurgical Co. Limited. Producing titanium carbide. 4,842,821, 6-27-8 Cl. 420-528.000.

Banes, Albert J. Biocompatible polyorganosiloxane composition for c culture apparatus. 4,822,741, 4-18-89, Cl. 435-300.000.

Banes, Albert J. Apparatus for applying stress to cell culture 4,839,280, 6-13-89, Cl. 435-285.000.

Baney, Douglas M.; and Sorin, Wayne V., to Hewlett-Packard Company. Method and apparatus for optical signal analysis using a gat modulation source and an optical delay circuit to achieve a sel homodyne receiver. 4,859,843, 8-22-89, Cl. 250-227.000.

Baney, Ronald H.: *See—*

Haluska, Loren A.; Michael, Keith W.; Snow, Sarah S.; Tarha Leo; and Baney, Ronald H., 4,826,733, Cl. 428-447.000.

Banfi, Silvano: *See—*

Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ug 4,824,861, Cl. 514-425.000.

Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ug 4,868,313, Cl. 548-544.000.

Banfield, William A. Collapsible sawhorse. 4,884,656, 12-5-89, C 182-129.000.

Bang, Ho-Yol: *See—*

Hong, Suk-Kwon; Bang, Ho-Yol; and Shin, Hyun-Jun, 4,82 Cl. 307-10.100.

Bang & Olufsen A/S: *See—*

Madsen, Knud E.; and Nielsen, Runo R., 4,888,529, Cl. 315-370.0

Bang & Olufsen of America, Inc.: *See—*

Michaelsen, Jorgen, 4,817,538, Cl. 108-108.000.

Bangaru, Narasimha-Rao V.: *See—*

Krutenat, Richard C.; and Bangaru, Narasimha-Rao V., 4,83 Cl. 427-250.000.

Bange, Donna W.: *See—*

Tumey, Michael L.; Bange, Donna W.; and Robbins, Ada 4,836,832, Cl. 51-293.000.

Bangert, Lothar: *See—*

Paiste, Robert, Sr.; and Bangert, Lothar, 4,809,581, Cl. 84-402.0

Bangs, Edmund R.; Longinow, Nicholas E.; and Blaha, James R., to II Research Institute. Using infrared imaging to monitor and com welding. 4,877,940, 10-31-89, Cl. 219-124.340.

Bangs, Richard G.; Grey, Michael O.; and Kwan, Sik-Piu, to NC Corporation. Ribbon separating mechanism for thermal prin 4,806,948, 2-21-89, Cl. 346-76.0PH.

Bangyan, Wen. Multifunctional electromagnetic valve [illegible] 4,816,083, 3-28-89, Cl. 137-271.000.

Banigan, Raymond M. Three wire grounded, polarized stage plug a receptacle. 4,799,894, 1-24-89, Cl. 439-92.000.

Banigan, Thomas F.: *See—*

Verbiscar, Anthony J.; and Banigan, Thomas F., 4,804,74 528-931.000.

Banitt, Elden H., to Minnesota Mining and Manufacturing Compa Cyclopentanone derivatives. 4,822,885, 4-18-89, Cl. 546-221.000.

Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, to Mitsubishi Denki Kabushiki Kaisha. Mechanism for connecting IC card and external device. 4,838,804, 6-13-89, Cl. 439-321.0

Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, to Mitsubishi Denki Kabushiki Kaisha. Mechanism for connecting an IC card to an external device. 4,864,116, 9-5-89, C 235-492.000.

Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, to Mitsubishi Denki Kabushiki Kaisha. Memory card housing a semiconductor device. 4,868,713, 9-19-89, Cl. 361-392.000.

Banjo, Toshinobu; Murasawa, Yasuhiro; Onoda, Shigeo; and Kasatani, Yasushi, to Mitsubishi Denki Kabushiki Kaisha. IC card including enclosed sliding shutter. 4,868,714, 9-19-89, Cl. 361-395.000.

Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, to Mitsubishi Denki Kabushiki Kaisha. Memory card housing. 4,89 12-26-89, Cl. 361-392.000.

Banjo, Toshinobu: *See—*

Mori, Ryuichiro; Fukudome, Katsuyuki; and Banjo, Toshinobu, 4,857,989, Cl. 357-80.000.

Mori, Ryuichiro; Osaka, Syuichi; and Banjo, Toshinobu, 4,87 Cl. 228-6.200.

Nakagawa, Osamu; Yanagitani, Koji; Sasaki, Ikuo; and Banjo, Toshinobu, 4,818,204, Cl. 249-83.000.

Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, 4,86 Cl. 429-96.000.

Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, 4,86 Cl. 429-98.000.

Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shim Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Ryu 4,839,713, Cl. 357-70.000.

Banjoya, Nagatoshi, to Mitsubishi Denki Kabushiki Kaisha. Stationary induction apparatus with core indentations and ridges. 4,86 9-5-89, Cl. 336-210.000.

Banju, Masaru: *See—*

Taniguchi, Yuji; and Banju, Masaru, 4,876,481, Cl. 313-902.0

Bank, Howard M.: *See—*

Plueddemann, Edwin P.; and Bank, Howard M., 4,798,8 556-401.000.

Bank, Judith H.; Familetti, Harry G.; and Lickel, Charles W., to International Business Machines corp. Multiprocessor system for updating status information through flip-flopping read version and write version of checkpoint data. 4,823,261, 4-18-89, Cl. 364-200.000.

Banks, Eugene F.; and Hebeler, Charles B., to Unisys Corporation. Magnetic head having boron carbide surfaces. 4,885,650, 12-5-89, Cl. 360-122.000.

Banke, Allan. Method for the mounting of a flexible printing plate on a cylinder, and apparatus for the execution of the method. 4,872,407, 10-10-89, Cl. 101-389.100.

Banker, Sandra E.: *See—*

Mushines, Anthony, 4,843,824, Cl. 60-667.000.

Bankhamer, Vinzenz; and Zeman, Gerhard, to Advanced Explosives Gesellschaft b.R. Explosive for warheads and solid rocket propellant. 4,874,441, 10-17-89, Cl. 149-42.000.

Banki, Mehrdad; Bush, Kevin M.; and McDermith, William O., to Minc Incorporated. Digital waveform analyzer. 4,873,647, 10-10-89, Cl. 364-488.000.

Bankier, Jack D.; and Weinstein, Marshall. Easel case for software having anti-pilferage means. 4,886,166, 12-12-89, Cl. 206-387.000.

Bankoku Needle Manufacturing Co., Ltd.: *See—*

Takahashi, Masamitsu, 4,802,581, Cl. 206-380.000.

Banks, Cecil H.: *See—*

Hancox, Roger J.; and Banks, Cecil H., 4,830,617, Cl. 434-21.000.

Banks, Charles K., to Nabisco Brands, Inc. Packaging weight control system. 4,827,698, 5-9-89, Cl. 53-443.000.

Banks, Christopher P.; Demmer, Christopher G.; and Irving, Edward, to Ciba-Geigy Corporation. Process for the formation of an image. 4,857,437, 8-15-89, Cl. 430-327.000.

Banks, Christopher P.; and Irving, Edward, to Ciba Geigy Corporation. Method of making patterns. 4,861,438, 8-29-89, Cl. 204-15.000.

Banks, Christopher P.: *See—*

Irving, Edward; and Banks, Christopher P., 4,849,320, Cl. 430-280.000.

Banks, Frank H.: *See—*

Knight, John D.; Shapiro, Robert D.; Banks, Frank H.; Mitchell, Andrew; Sunray, Barry S.; and DeFrancesco, Robert A., 4,845,486, Cl. 340-618.000.

Banks, Gilbert H., to Bev-Cap Plastics Pty. Ltd. Syringe hypodermic needle. 4,840,616, 6-20-89, Cl. 604-110.000.

Banks, Ivor; Heikurinen, Kari J.; Sanderson, John J.; and Wilford, Donald F., to Pratt & Whitney Canada Inc. Variable flow radial compressor inlet flow fences. 4,844,695, 7-4-89, Cl. 415-161.000.

Banks, James V. Single chamber filter vessel. 4,885,083, 12-5-89, Cl. 210-108.000.

Banks, Leslie: *See—*

Hosgood, Henry; Banks, Leslie; and Beauford, William, 4,858,469, Cl. 73-579.000.

Banks, Lori J.; Thulin, Robert R.; Ross, Robert E.; and Schaeder, Walter E., to Nabisco Brands, Inc. Leavener-containing dough compositions bakeable to a moist matrix. 4,828,853, 5-9-89, Cl. 426-94.000.

Banks, Lori J.; Busk, Grant C., Jr.; Chiang, Bin; and Thulin, Robert, to Nabisco Brands, Inc. Method for controlling the spread of soft cookies. 4,873,098, 10-10-89, Cl. 426-94.000.

Banks, Michael: *See—*

Horder, Rodney; Banks, Michael; and Hoadley, Thomas H., 4,842,866, Cl. 424-468.000.

Banks, Reginald G. S., to British Gas plc. Production of methane containing gases. 4,824,440, 4-25-89, Cl. 48-206.000.

Banks, Robert L.: *See—*

Kokes, Simon G.; Banks, Robert L.; and Harris, Jesse R., 4,879,425, Cl. 585-350.000.

Banks, Rodney H., to Nalco Chemical Company. Ion selective electrodes and method of making such electrodes. 4,814,060, 3-21-89, Cl. 204-406.000.

Banks, Roger L.: *See—*

Hsu, Chao-Yeh; McGee, Frank J.; and Banks, Roger L., 4,878,278, Cl. 28-142.000.

Banks, Steve. Belt-suspended holster for caulking gun. 4,830,247, 5-16-89, Cl. 224-252.000.

Banks, Thomas F.: *See—*

Redmond, Russell J.; Banks, Thomas F.; and Solyntjes, Alan J., 4,863,088, Cl. 227-19.000.

Bankstahl, Herbert A.; and Newman, Neil A., to Brunswick Corporation. Chain drive marine propulsion system with dual counterrotating propellers. 4,887,983, 12-19-89, Cl. 440-57.000.

Bankstahl, Herbert A.: *See—*

Newman, Neil A.; Bankstahl, Herbert A.; Griffiths, John M.; Fongren, Lyle M.; and Beck, Wayne T., 4,872,857, Cl. 440-1.000.

Newman, Neil A.; and Bankstahl, Herbert A., 4,887,982, Cl. 440-81.000.

Bankston, Clyde P.: *See—*

Williams, Roger M.; Bankston, Clyde P.; Cole, Terry; Khanna, Satish K.; Jeffries-Nakamura, Barbara; and Wheeler, Bob L., 4,820,596, Cl. 429-50.000.

Williams, Roger M.; Wheeler, Bob L.; Jefferies-Nakamura, Barbara; Lamb, James L.; Bankston, Clyde P.; and Cole, Terry, 4,835,071, Cl. 429-11.000.

Bankuty, Gena E.; Byron, LeRoy F.; and Cianciullo, Joseph J., to New England Machinery, Inc. Apparatus for testing the release torque of container caps. 4,811,850, 3-14-89, Cl. 209-546.000.

Bann, Sambath: *See—*

Lefevre, Herve; and Bann, Sambath, 4,836,645, Cl. 350-96.170.

Bannai, Saburo: *See—*

Tanaka, Hideo; Bannai, Saburo; Sasaki, Kiyoshi; and Totani, Tsugunobu, 4,802,097, Cl. 364-476.000.

Bannai, Tatsushi; Awamoto, Shigeru; Chiba, Mitsuo; and Sasaki, Seishi, to Matsushita Electric Industrial Co., Ltd. Video signal recording and playback apparatus having varied-speed playback capability. 4,887,169, 12-12-89, Cl. 358-335.000.

Bannai, Tatsushi: *See—*

Sasaki, Seishi; Chiba, Mitsuo; Bannai, Tatsushi; and Awamoto, Shigeru, 4,807,056, Cl. 360-27.000.

Sasaki, Seishi; Awamoto, Shigeru; Bannai, Tatsushi; Yokoyama, Katsuya; and Shibaya, Hiromichi, 4,839,744, Cl. 358-320.000.

Bannan, John N.: *See—*

Carella, Thomas J.; and Bannan, John N., 4,794,765, Cl. 62-512.000.

Bannell, John L. K.; Dixon, Arnold G.; and Davies, Trevor P., to Shell Oil Company. Apparatus for measuring dew-point of a gas stream with light scattering. 4,799,235, 1-17-89, Cl. 374-18.000.

Banner, Alvin C., to Statomat-Globe, Inc. Armature winding method and apparatus. 4,827,601, 5-9-89, Cl. 29-597.000.

Banner, Alvin C.: *See—*

Walton, Ballard E.; Gouldbourn, George A.; and Banner, Alvin C., 4,830,297, Cl. 242-7.05B.

Banner, Carl D. B.: *See—*

Nagarajan, Vasantha; Rhodes, Craig S.; and Banner, Carl D. B., 4,801,537, Cl. 435-68.000.

Banner, Ralph W., to R. A. Tracer Service Ltd. Method and apparatus for proportionally adding minute quantities of an active ingredient to a flowing stream of material. 4,871,116, 10-3-89, Cl. 241-21.000.

Bannigan, Vincent W., Jr.: *See—*

Herlant, Michel A.; Kirjanov, Alexander S.; and Bannigan, Vincent W., Jr., 4,865,885, Cl. 427-322.000.

Kirjanov, Alexander S.; and Bannigan, Vincent W., Jr., 4,813,970, Cl. 8-442.000.

Banning, Robert D.; Crouther, Ronald; and Davison, Thomas W., to Sherwood Medical Company. Preformable catheter. 4,834,709, 5-30-89, Cl. 604-170.000.

Bannink, Engbert T., Jr., to Boeing Company, The. Method for in-place fabrication of graphite epoxy bushings in graphite epoxy structures. 4,867,822, 9-19-89, Cl. 156-153.000.

Bannister, A. Karen; Brandriff, Kristen; Carlotto, John A.; DiDonato, Richard J.; Haigh, Virginia; and Sirois, Edmond, to Trifari, Krussman & Fishel, Inc. Comfort earring clip. 4,796,443, 1-10-89, Cl. 63-14.500.

Bannister, James R., Jr.; Hall, Julian W., Jr.; and Rosenberger, G. J., to Cooper Industries, Inc. Method of sealing capacitor bushings. 4,846,163, 7-11-89, Cl. 128-124.000.

Bannister, Joseph V.: *See—*

McNeil, Calum J.; and Bannister, Joseph V., 4,830,959, Cl. 435-7.000.

Bannister, Ray L.; Close, Frederick C.; and Loeber, Peter J. Impression roller assembly including an ejector roller. 4,841,858, 6-27-89, Cl. 101-232.000.

Bannister, Ray L.; Close, Frederick C.; and Coeber, Peter J., to Pitney Bowes Inc. Postage meter and control arrangement for same. 4,881,460, 11-21-89, Cl. 101-91.000.

Bannister, Richard S.: *See—*

Abt, John; Barnett, Ronnie D.; Bleckmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., 4,853,784, Cl. 358-181.000.

Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barnett, Ronnie D.; Bleckmith, James E.; Windrem, Kevin D.; and Olmstead, Neil R., 4,858,011, Cl. 358-181.000.

Banniza, Harry W.; and Bowlin, Robert D. Sign. 4,878,303, 11-7-89, Cl. 40-606.000.

Banno, Hisao, to NGK Spark Plug Co., Ltd. Underwater piezoelectric arrangement. 4,841,494, 6-20-89, Cl. 367-157.000.

Banno, Kazuo; Fujioka, Takafumi; Oshiro, Yasuo; and Nakagawa, Kazuyuki, to Otsuka Pharmaceutical Company Limited. Carbostyril derivatives and pharmaceutical preparations containing same. 4,824,840, 4-25-89, Cl. 514-218.000.

Banno, Makoto: *See—*

Ishiyama, Shozo; Kojima, Tadashi; and Banno, Makoto, 4,830,475, Cl. 350-427.000.

Banno, Masahiko; and Nakazato, Yasushi, to Ricoh Company, Ltd. Image forming system. 4,876,606, 10-24-89, Cl. 358-434.000.

Banno, Taiichi: *See—*

Galle, Kevin; Orimo, Ryoichi; Sakurada, Masahiko; Banno, Taiichi; and Manabe, Sugio, 4,844,887, Cl. 422-65.000.

Banno, Takayuki: *See—*

Hagihara, Hisao; Banno, Takayuki; Miya, Shigemori; and Tanaka, Norio, 4,876,778, Cl. 29-157.30A.

Banno, Takuo, to Hewlett-Packard Company. Apparatus for measuring the dynamic characteristics of an analog-digital converter. 4,839,651, 6-13-89, Cl. 341-120.000.

Banno, Tutomu: *See—*

Nakajima, Masahiro; and Banno, Tutomu, 4,825,137, Cl. 318-594.000.

Nakajima, Masahiro; and Banno, Tutomu, 4,862,291, Cl. 358-342.000.

Bannon, David G.: *See—*

Collings, Roger J.; and Bannon, David G., 4,850,337, Cl. 126-417.000.

Banquy, David L., to Foster Wheeler USA Corporation. Process for the production of synthesis gas. 4,888,130, 12-19-89, Cl. 252-373.000.

Bansal, Madan L.; and Byrd, William A., to Sundstrand Corporation. Compact connections for interdispersed armature winding. 4,833,356, 5-23-89, Cl. 310-207.000.

Bansal, Madan L.; and Byrd, William A., to Sundstrand Corporation. Magnetic isolation and cooling system in dynamoelectric machines. 4,874,972, 10-17-89, Cl. 310-57.000.

Bansal, Rajeev: See—

Mashikian, Matthew S.; Northop, Robert B.; Bansal, Rajeev; and Nikias, Chrysostomos L., 4,887,041, Cl. 324-533.000.

Bansal, Ravinder K.: See—

Vrana, Edward E.; and Bansal, Ravinder K., 4,802,899, Cl. 55-161.000.

Bansemir, Klaus, and Grege, Hans-Joachim, to Henkel Kommanditgesellschaft auf Aktien. Method for determining the disinfecting effect of a disinfectant and a test strip suitable therefor. 4,847,197, 7-11-89, Cl. 435-32.000.

Banta, Larry D., to LCD American, Inc. Line cutting tool and mounting base therefor. 4,823,498, 4-25-89, Cl. 43-25.000.

Bantel, Thomas E.; Lahrman, David F.; and Halase, John F., III, to General Electric Company. Coating thickness measurement. 4,818,118, 4-4-89, Cl. 374-7.000.

Banteli, Willy: See—

Poschet, Klaus; and Banteli, Willy, 4,853,506, Cl. 200-463.000.

Bantien, Jurgen, to Korber AG. Apparatus for converting discrete arrays of rod-shaped articles into a mass flow. 4,856,958, 8-15-89, Cl. 414-414.000.

Banties, John Henry; and Donegan, Thomas E., to BASF Corp. Process for conditioning crude polyhalogenated pigments using a heterocyclic organic solvent. 4,879,380, 11-7-89, Cl. 540-137.000.

Bantjes, Adriaan: See—

Riethorst, Waander; Konig, Bondewyn W.; van Aken, Willem G.; Bantjes, Adriaan; Beugeling, Tom; and Te Booy, Marcelinus P. W. M., 4,883,598, Cl. 210-656.000.

Bantjes, John H.: See—

Donegan, Thomas E.; Bantjes, John H.; and Leary, Timothy G., 4,853,039, Cl. 106-412.000.

Bantle, Manfred, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Arrangement for the control of the power transmission of a four-wheel drive vehicle. 4,860,208, 8-22-89, Cl. 364-424.100.

Bantle, Manfred; Munz, Volker; Zacki, Bernd; Dietz, Matthias; and Armbrust, Eberhard, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Controller for lockable differential transmission. 4,872,372, 10-10-89, Cl. 74-710.500.

Banton, Inc.: See—

Smith, George S., and Crocker, David C., 4,865,258, Cl. 241-169.100.

Bantz, Paul E.: See—

Binder, Richard R.; Bantz, Paul E.; Tiedemann, William H.; McDonald, Guy D.; and Wruck, William J., 4,859,546, Cl. 429-53.000.

Banus Garcia, Fernando. Apparatus for controlling start up and stop down of a hydraulic pump. 4,879,439, 11-7-89, Cl. 200-81.90M.

Banwell, Thomas C., and Stephens, William E., to Bell Communications Research, Inc. Laser driver circuit with dynamic bias. 4,796,266, 1-3-89, Cl. 372-38.000.

Bany, Stephen W.: See—

Carpenter, Theresa L.; Simmon, Alan J.; and Bany, Stephen W., 4,861,635, Cl. 428-40.000.

Kessel, Carl R.; and Bany, Stephen W., 4,822,687, Cl. 428-447.000.

Banyai, Bruce E.; LaSota, Denis E.; and Strunk, Dennis L., to Aqualon Company. Binder for metal-containing ores. 4,863,512, 9-5-89, Cl. 75-5.000.

Banyasz, Joseph L.; Burton, Aubrey T.; LaRoy, Bernard C.; and Lowitz, David A., to Philip Morris Incorporated. Method and apparatus for detecting a missing object in a set of objects. 4,890,053, 12-26-89, Cl. 324-58.50A.

Banys, Algis R.; and Welsh, Richard S., to Famoso Equipment Co., Inc. Device and method for bagging thin flexible members. 4,864,800, 9-12-89, Cl. 33-428.000.

Banyu Pharmaceutical Co., Ltd.: See—

Hosoi, Masaaki; Nishioka, Ryo; Hioki, Yoshio; Iida, Yoshiaki; Takeshita, Hiroshi; Niiyama, Kenji; and Hidaka, Yusuke, 4,839,353, Cl. 514-212.000.

Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Morishima, Hajime; and Matsuyama, Kenji, 4,851,387, Cl. 514-17.000.

Nakagawa, Susumu; Otake, Norikazu; and Ushizima, Ryosuke, 4,814,328, Cl. 514-205.000.

Nakagawa, Susumu; Mitomo, Ryuji; and Ushijima, Ryosuke, 4,880,797, Cl. 514-206.000.

Nakagawa, Susumu; Ushijima, Ryosuke; Nakano, Fumio; Yamada, Koji; and Mano, Eiichi, 4,883,868, Cl. 540-222.000.

Shirakura, Osamu; Kojima, Hideo; Ouchi, Kiyohisa; and Ishimaru, Sueaki, 4,812,480, Cl. 514-557.000.

Uemura, Daisuke; Yamamoto, Toshihiro; Watanabe, Takeshi; Okanishi, Masanori; and Hirata, Yoshimasa, 4,835,176, Cl. 514-456.000.

Banzai, Hideo: See—

Fujita, Shigeru; Banzai, Hideo; and Takada, Makoto, 4,862,385, Cl. 364-518.000.

Ikeda, Go; Sasaki, Kiyoshi; Kumazaki, Hiroshi; Fujita, Shigeru; and Banzai, Hideo, 4,841,459, Cl. 364-557.000.

Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Yanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and [illegible], 4,843,292, Cl. 318-606.000.

Banzai, Masato: See—

Ito, Haruhiko; Shibata, Yoshio; and Banzai, Masato, 4,806,721, Cl. 219-69.00W.

Ito, Haruhiko; Shibata, Yoshio; Banzai, Masato; and Yatomi, Takeshi, 4,839,487, Cl. 219-69.120.

Banzhaf, Werner; Eblen, Ewald; Faber, Heinrich; Giersch, Rolf J.; Hofmann, Karl; Liedtke, Dieter; and Norberg, Helmut, to Robert Bosch GmbH. Fuel injection nozzle for internal combustion engine. 4,801,095, 1-31-89, Cl. 239-533.300.

Banziger, Fritz A.; and Klein, Peter, to Dragerwerk Aktiengesellschaft. Speaking and hearing system for breathing apparatus. 4,799,261, 1-17-89, Cl. 381-94.000.

Bao, Yongde: See—

Chang, Stephen S.; Bao, Yongde; and Pelura, Timothy J., 4,874,629, Cl. 426-601.000.

Baptist, Robert; Brenac, Ariel; Chauvet, Gerard; Meyer, Robert; and Muller, Francis, to Commissariat a l'Energie Atomique. Source of spin polarized electrons using an emissive micropoint cathode. 4,835,438, 5-30-89, Cl. 313-309.000.

Baptiste, Hubert: See—

Ollivier, Jean; Lagaude, Christian H.; Baptiste, Hubert; and Lerouy, Michele, 4,890,373, Cl. 562-119.000.

Baptiste, Rene: See—

Bacou, Claude; Cabrol, Christian; Baptiste, Rene; and Oisel, Andre, 4,811,361, Cl. 375-25.000.

Baptiste, Trevor I. Sun-visor and headpiece combination and package therefor. 4,821,341, 4-18-89, Cl. 2-10.000.

Baptiste, Trevor I. Shower and bath glove. 4,825,499, 5-2-89, Cl. 15-227.000.

Bar, Albrecht: See—

Ermert, Helmut; Ulherr, Thomas; and Bar, Albrecht, 4,796,183, Cl. 364-413.150.

Bar-Chaim, Nadav: See—

Kwong, Sze-Keung; Lau, Kam Y.; Bar-Chaim, Nadav; and Ury, Israel, 4,843,611, Cl. 372-46.000.

Bar, Dali, to Canadian Solifuels Inc. Burner for solid and other high ash fuels. 4,869,062, 9-26-89, Cl. 60-39.464.

Bar-Gar Corporation: See—

Barnes, Billy R.; Barnes, Ronny L.; and Gary, David A., 4,866,3 Cl. 172-26.000.

Bar-Ilan University: See—

Albeck, Michael; and Grossman, Shlomo, 4,857,325, Cl. 424-195.100.

Yehuda, Shlomo, 4,851,431, Cl. 514-560.000.

Bar Itzchak, Zeev: See—

Eilam, Zohar; and Bar Itzchak, Zeev, 4,833,446, Cl. 341-22.00

Bar-Joseph, Dan, to Raycon Corporation. Laser pumping cav 4,858,243, 8-15-89, Cl. 372-72.000.

Bar-Joseph, Israel; Chemla, Daniel S.; and Miller, David A. B., to American Telephone and Telegraph Company, and American Telephone and Telegraph Company, AT&T Bell Laboratories. Wavelength conversion using self electrooptic effect devices. 4,822,9 4-18-89, Cl. 250-211.00J.

Bar-Lev, Menachem: See—

Netter, Zvi; and Bar-Lev, Menachem, 4,845,613, Cl. 364-200.0

Bar-Master International: See—

Smith, Dell W., 4,863,068, Cl. 222-129.100.

Smith, Dell W., 4,887,740, Cl. 222-129.100.

Barab-Tarle, Matus E.; Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Soifer, Romen D.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., to Odesskoe Spetsialnoe Konstruktorskoe Bjuro Spetsialnykh Stankov. Method for determining force characteristic of a device for magnetically holding workpieces. 4,804,914, 2-14-89, Cl. 324-226.0

Barab-Tarle, Matus E.: See—

Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Barab-Tarle, Matus E.; Gamarnik, Iosif I.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,829,397, Cl. 361-149.000.

Barabas, Eugene S., to GAF Corporation. Water soluble multicomplexes of aminobenzoic acid. 4,851,543, 7-25-89, Cl. 548-519.000.

Barabas, Eugene S., to GAF Corporation. Water-soluble complexes of water-insoluble organic compounds. 4,853,439, 8-1-89, Cl. 525-326.900.

Barabino, William A.; and Dean, Raymond S., to Triad Direct Incorporated. Liquid dispensing swab applicator system. 4,799,815, 1-24-89, Cl. 401-132.000.

Barabino, William A.: See—

Chickering, Robert; and Barabino, William A., 4,875,602, Cl. 222-187.000.

Baradaran, Hamid R.: See—

Virdee, Nirmal S.; and Baradaran, Hamid R., 4,879,730, Cl. 375-106.000.

Barahia, Manoj M., to Century Electric, Inc. Molded multi-part generator fan. 4,879,483, 11-7-89, Cl. 310-63.000.

Barak, Alan V., to United States of America, Agriculture. Vertical wall mount insect trap. 4,866,877, 9-19-89, Cl. 43-121.000.

Barak, Ayala, to Bromine Compounds Limited. Fumigant method and compositions comprising 2,2-dibromo-3-nitrilopropionamide for treating crops. 4,866,094, 9-12-89, Cl. 514-528.000.

Barak, David T., to Tektronix, Inc. Digital-to-analog converter for producing a continuous analog signal output without distortion. 4,823,128, 4-18-89, Cl. 341-118.000.

Barakitis, Nikolaos; and Zaslavsky, Gregory, to GTE Products Corporation. Glow discharge starter containing silver. 4,843,282, 6-27-89, Cl. 313-619.000.

Barakitis, Nikolaos; and Zaslavsky, Gregory, to GTE Products Corporation. Getter-containing glow discharge starter having dual ge 4,845,406, 7-4-89, Cl. 313-558.000.

Barakitis, Nikolaos; and Zaslavsky, Gregory, to GTE Products Corporation. Method of making glow discharge starter. 4,882,835, 11-28-89, Cl. [illegible]

Barakitis, Nikolaos: See—

Zaslavsky, Gregory; Barakitis, Nikolaos; and Keeffe, William M., 4,818,915, Cl. 315-60.000.

Barall, Michael. Heartbeat collision avoidance method and circuit. 4,860,006, 8-22-89, Cl. 340-825.500.

Baram, Peter: See—

Babler, Scott D.; Baram, Peter; Rudolph, Paul H.; and Waxman, Frank J., 4,801,535, Cl. 435-16.000.

Baran, Henri: See—

Brandao, Ruy L.; Baran, Henri; Manseur, Arezki; and Sweet, Steven R., 4,809,064, Cl. 342-199.000.

Baran, John S.: See—

Hansson, Gunnar J.; and Baran, John S., 4,877,785, Cl. 514-224.200.

Baran, Michael S.; Beihoff, Bruce C.; Damiano, Michael A.; Hansen, James E.; Hastings, Jerome K.; Slomczewski, Allen J.; and Tennies, Charles J., to Eaton Corporation. Magneto resistive current sensor with improved fidelity. 4,857,837, 8-15-89, Cl. 324-117.00R.

Baran, Michael S.: See—

Hastings, Jerome K.; Beihoff, Bruce C.; Baran, Michael S.; Juds, Mark A.; and Hansen, James E., 4,841,235, Cl. 324-117.00R.

Krull, John W.; Baran, Michael S.; and Mading, James E., 4,887,430, Cl. 60-527.000.

Baran, Paul; Corbalis, Charles M.; Holden, Brian D.; Masatsugu, Jon K.; Marggraff, Lewis J.; Owen, David P.; and Stonebridge, Peter W. J., to Stratacom Inc. Synchronous packet voice/data communication system. 4,819,228, 4-4-89, Cl. 370-85.000.

Baran, Paul, and Knutson, Timothy J., to Metricom, Inc. Wide dynamic range a.c. current sensor. 4,835,463, 5-30-89, Cl. 324-123.00R.

Baranczyk, Richard J.; Spicer, Jay; Duncan, William P.; and Rotert, Gary A., to Bio-Medical Research Laboratories. Iodinated estradiols, intermediate products and methods of production. 4,855,125, 8-8-89, Cl. 424-1.100.

Baranczyk, Richard J., and Spicer, Jay A., to Bio-Medical Research Laboratories, Inc. Tissue imaging utilizing labelled steroids. 4,882,141, 11-21-89, Cl. 424-1.100.

Baranescu, George S. Injection system with pilot injection. 4,796,577, 1-10-89, Cl. 123-300.000.

Baranescu, George S. Internal combustion engine with broad fuel tolerance. 4,831,972, 5-23-89, Cl. 123-275.000.

Baranik, Georgy B.: See—

Ismagilov, Zinfer R.; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Baranik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.

Baranovsky, Vladimir D.: See—

Galakharev, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased, 4,842,066, Cl. 166-265.000.

Baranowska-Kortylewicz, Janina: See—

Kassis, Amin I.; and Baranowska-Kortylewicz, Janina, 4,851,520, Cl. 536-29.000.

Baranski, Antoni S., to Ampex Corporation. Multi-cassette indexing mechanism for a tape transport. 4,853,805, 8-1-89, Cl. 360-94.000.

Baranski, Antoni S., to Ampex Corporation. Cassette bin structure including a bin section for loading and unloading cassettes. 4,800,133, 1-22-89, Cl. 360-92.000.

Baranski, Antoni S., to Ampex Corporation. Multi-cassette indexing mechanism for a tape transport. 4,873,593, 10-10-89, Cl. 360-96.500.

Barany, David A., to Eagle Comtronics, Inc. Method and apparatus for identifying and rendering operative particular descramblers in a television signal scrambling system. 4,802,214, 1-31-89, Cl. 380-15.000.

Baranyi, Lawrence; and Scordo, Dominick, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Control memory using recirculating shift registers for a TDM switching apparatus. 4,873,663, 10-10-89, Cl. 365-73.000.

Baranyi, Giuseppa: See—

Ong, Beng S.; and Baranyi, Giuseppa, 4,869,988, Cl. 430-59.000.

[illegible], Cesare; Frulla, Claudio; and Gattolin, Dario, to TVA Holding S.p.A. Chuck, particularly for machine tools. 4,838,561, 6-13-89, Cl. 279-1.0DA.

Barasch, Marian; and Mirella, Charles H., to United States of America, Air Force. Hollow shaft measurement device. 4,872,354, 10-10-89, Cl. 73-865.800.

Barash, Louis; Christensen, Burton G.; Hannah, John; Leanza, William J.; and Shih, David H., to Merck & Co., Inc. N-acyl derivatives of thienamycin. 4,839,352, 6-13-89, Cl. 514-210.000.

Barasz, Robert C., to Ford Motor Company. Hybrid suspension position and body velocity sensing system for automotive suspension control system. 4,838,574, 6-13-89, Cl. 280-707.000.

Baratpour, Shahin; and Ventresca, Salina. Game device. 4,852,885, 8-1-89, Cl. 273-237.000.

Baratto, Mirko: See—

Baggio, Giorgio; and Baratto, Mirko, 4,841,649, Cl. 36-117.000.

Baggio, Giorgio; and Baratto, Mirko, 4,884,760, Cl. 242-54.00R.

Baratz, Alan E.; Clarke, Kathryn E.; Pollard, Melinda R.; Pozefsky, Diane P.; Rafalow, Lee M.; Siddall, William E.; and Gray, James P., to International Business Machines Corporation. Method for selecting least weight end node to end node route in a data communications network. 4,873,517, 10-10-89, Cl. 340-825.030.

Baratz, Alan E.: See—

Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., 4,827,411, Cl. 364-300.000.

Baratz, Jacob: See—

Nave, Jacob; Baratz, Jacob; and Moshe, Haim, 4,881,463, Cl. 102-202.200.

Barazesh, Bahman: See—

Luc, Mary; and Barazesh, Bahman, 4,845,660, Cl. 364-900.000.

Barba, Valentin G.; and Shube, Eugene E., to Plessey Incorporated. Authority limiter. 4,823,063, 4-18-89, Cl. 318-689.000.

Barbagelata, Giuseppe; Conterno, Bruno; Luperini, Vildo; Perroni, Enrico; Pesce, Fernando; and Pugliese, Osvaldo, to Electronica San Giorgio - ELSAG S.p.A. Multiple-hierarchical-level multiprocessor system. 4,814,970, 3-21-89, Cl. 364-200.000.

Barbagelata, Giuseppe; and Giuliano, Ercole, to Elettronica San Giorgio - ELSAG S.p.A. Flexible image acquisition and processing system. 4,821,108, 4-11-89, Cl. 358-282.000.

Barbarito, James L.; Cymbaluk, William J., Jr.; and Poggie, Matthew P., to Pfizer Hospital Products Group, Inc. Femoral spacer. 4,827,919, 5-9-89, Cl. 128-92.00Y.

Barbat & Co.: See—

Ibanez, Alberto R., 4,815,505, Cl. 141-14.000.

Barbe, Charles A.; and Littlefield, Bruce G., to Redcom Laboratories, Inc. Time division multiplex (TDM) switching system especially for pulse code modulated (PCM) telephony signals. 4,805,172, 2-14-89, Cl. 370-68.100.

Barbee Company, Inc., The: See—

Barbee, Tom D., 4,847,970, Cl. 29-243.500.

Barbee, Robert B., to Eastman Kodak Company. Polyesters with improved gas barrier properties. 4,841,012, 6-20-89, Cl. 528-125.000.

Barbee, Robert B.; and Minnick, Larry A., to Eastman Kodak Company. Polyesteramide from amino alcohol with improved gas barrier properties. 4,855,397, 8-8-89, Cl. 528-335.000.

Barbee, Tom D., to Barbee Company, Inc., The. Radiator repair fixture. 4,847,970, 7-18-89, Cl. 29-243.500.

Barbee, Troy W., Jr.: See—

Ceglio, Natale M.; Stearns, Daniel S.; Hawryluk, Andrew M.; and Barbee, Troy W., Jr., 4,870,648, Cl. 372-5.000.

Barber-Colman Company: See—

Fields, Lary L., 4,858,169, Cl. 364-829.000.

Jornod, Eugene R.; Mueller, James G.; and Solar, Matthew S., 4,817,022, Cl. 364-571.030.

Sehald, Mark D.; and Neumeyer, Richard E., 4,872,213, Cl. 364-180.000.

Swanson, Thomas K.; and Meyers, Elwood J., 4,855,702, Cl. 335-261.000.

Barber, Dennis D., to Diagnostic Services, Inc. Automatic liquid level recording device. 4,853,901, 8-1-89, Cl. 367-27.000.

Barber, Forest C. Instrument for visual observation utilizing fiber optics. 4,834,518, 5-30-89, Cl. 350-516.000.

Barber, Frank E., and Shoji, Masakazu, to American Telephone and Telegraph Company, AT&T Bell Laboratories. CMOS Integrated circuit digital crossbar switching arrangement. 4,849,751, 7-18-89, Cl. 340-825.020.

Barber, Gerald L. Whirlpool amusement ride. 4,835,521, 6-6-89, Cl. 272-32.000.

Barber, Glen M. Camera and facade. 4,864,333, 9-5-89, Cl. 354-76.000.

Barber-Greene Company: See—

Brock, James D.; Smith, Donald W.; and Renneck, John P., 4,818,139, Cl. 404-81.000.

Farnham, Robert E.; and Prill, Fredric W., 4,839,571, Cl. 340-606.000.

Smith, Donald W.; and Plociennik, James J., 4,861,191, Cl. 404-104.000.

Barber, Harry H.: See—

Hamer, William H.; and Barber, Harry H., 4,804,340, Cl. 439-709.000.

Barber, James J., to Montvale Process Company, Inc. Electrolytic reactor. 4,834,858, 5-30-89, Cl. 204-225.000.

Barber, James R., to Barber Manufacturing Company, Inc. Spring coil assembly. 4,819,920, 4-11-89, Cl. 267-90.000.

Barber, Jeffrey R.; Kotecha, Harish N.; Meyer, David D.; and Stanasolovich, David, to International Business Machines Corporation. Method for providing increased dopant concentration in selected regions of semiconductor devices. 4,814,290, 3-21-89, Cl. 437-70.000.

Barber, John H.; Brown, Curtis L.; Duncan, Vernon R.; Knox, Carl E.; and Owen, Roderick D., to General Electric Company. Digital control for gas turbine engine. 4,821,193, 4-11-89, Cl. 364-431.020.

Barber, John S., Jr. Continuously variable or fixed ratio velocity transmission mechanism. 4,885,949, 12-12-89, Cl. 74-193.000.

Barber, Lois M., to LMB Hand Rehab Products, Inc. Hand splint for wrist support with optional support of MP joints and thumb and IP finger assists. 4,862,877, 9-5-89, Cl. 128-77.000.

Barber Manufacturing Company, Inc.: See—

Barber, James R., 4,819,920, Cl. 267-90.000.

Barber, Ralph R., to Westinghouse Electric Corp. Balanced turbine rotor and method for making the same. 4,842,485, 6-27-89, Cl. 416-144.000.

Barber, Ronald L.: See—

Kotnour, Thomas A.; Barber, Ronald L.; and Krueger, Walter L., 4,843,134, Cl. 526-318.400.

Barber, Thomas D.; Vandermeer, William B.; and Flanagan, William D., to Schlumberger Technology Corporation. Method for determining induction sonde error. 4,800,496, 1-24-89, Cl. 364-422.000.

Barber, Thomas D., to Schlumberger Technology Corporation. Method and apparatus for enhancing the resolution of an induction logging tool in measuring a characteristic of a borehole formation. 4,818,946, 4-4-89, Cl. 324-339.000.

Barber, Thomas D., to Schlumberger Technology Corporation. Spatial frequency method and apparatus for investigating earth conductivity with high vertical resolution by induction techniques. 4,837,517, 6-6-89, Cl. 324-339.000.

Barber, Thomas D.; Chandler, Richard N.; and Hunka, John F., to Schlumberger Technology Corporation. Induction logging sonde with metallic support having a coaxial insulating sleeve member. 4,873,488, 10-10-89, Cl. 324-339.000.

Barber, Weldon H.: *See—*
Haley, Jerry L.; Barber, Weldon H.; and Morris, Kavin J., 4,871,019, Cl. 166-167.000.

Barber, William B.; Davis, William H.; and Rautenkranz, Karl, to Medical Payment Systems, Incorporated. Medical payment system. 4,858,121, 8-15-89. Cl. 364-406.000.

Barbera, Melvin A.: *Sec—*
Hartlaub, Gregory R.; and Barbera, Melvin A., 4,871,531, Cl. 424-48.000.

Barbera, Richard. Resonant pick-up system. 4,867,027, 9-19-89, Cl. 84-731.000.

Barbero, Mario, to Fiat Auto S.p.A. Window for a motor vehicle door. 4,875,307, 10-24-89, Cl. 49-374.000.

Barbero, Paul: *See—*
Grandy, John; Barbero, Paul; Quinn, Robert; and Sparacino, Louis, 4,828,239, Cl. 269-41.000.

Barbery, Gilles; Bouajila, Ahmed; and Soto, Heriban, to Universite Laval. Method for separation of coarse particules. 4,822,493, 4-18-89, Cl. 210-703.000.

Barbet, Karl H.: *See—*
Blumberg, Willy; Schutt, Hans J.; Mette, Ulrich; Barbet, Karl H.; Busse, Fritz; and Klier, Benno, 4,812,073, Cl. 403-134.000.

Barbetta, Angelo J.: *See—*
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Barbetti, Jamie L.: *See—*
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Barbiaux, William J.; McCarthy, Timothy D.; Bromley, Steven D.; and Milliorn, Gary W., to Motorola, Inc. Vehicle monitoring arrangement and system. 4,804,937, 2-14-89, Cl. 340-52.00F.

Barbic, Federico; and Choy, David M., to International Business Machines Corporation. Text search system. 4,823,306, 4-18-89, Cl. 364-900.000.

Barbic, John R.; Nichol, Kurt L.; Hibner, David H.; and Szafir, David R., to United Technologies Corporation. Variable stiffness oil film damper. 4,867,655, 9-19-89, Cl. 417-407.000.

Barbier, Alain; Breliere, Jean-Claude; and Garcia, Georges, to Sanofi. Methlenediphosphonic acid derivatives, and antirheumatic pharmaceutical composition in which they are present and methods of using same. 4,876,247, 10-24-89, Cl. 514-89.000.

Barbier, Blandine: *See—*
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Barbier, Gerard Y. G.; Laboure, Gerard J. P. B.; Desaulty, Michel A. A.; Duchene, Francois; and Truvillot, Pascal M., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Combustion chamber structure for a turbojet engine. 4,805,397, 2-21-89, Cl. 60-39.320.

Barbier, Gerard Y. G.; Bayle-Laboure, Gerard J. P.; Desaulty, Michel A. A.; Martinez, Rodolphe; and Perigne, Jerome, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Air-fuel injection system for a turbojet engine. 4,809,512, 3-7-89, Cl. 60-748.000.

Barbier, Pascal; Falgat, Francis; and Sorel, Alain, to U.S. Philips Corporation. Microwave plane antenna simultaneously receiving two polarizations. 4,829,314, 5-9-89, Cl. 343-778.000.

Barbier, Pascal; Falgat, Francis; and Sorel, Alain, to U.S. Philips Corporation. Microwave plane antenna with suspended substrate system of lines and method for manufacturing a component. 4,878,060, 10-31-89, Cl. 343-778.000.

Barbier, Rene; and Guenin, Serge, to La Telemecanique Electrique. Electric coupling device, a circuit-breaker equipped therewith and a related assembly of components. 4,889,504, 12-26-89, Cl. 439-712.000.

Barbier, William J.: *See—*
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Barbieri, Giovanni. Automatic apparatus to cook and serve ready-to-eat pasta helpings after the italian manner. 4,803,917, 2-14-89, Cl. 99-356.000.

Barbieux, Jacques, to Sandvik Tobler S.A. Exchange system on an irremovable machining center. 4,812,091, 3-14-89, Cl. 409-233.000.

Barbot, Joel;: *See—*
Warnan, Francois; Barbot, Joel;; and Brochard, Claude, 4,861,297, Cl. 441-33.000.

Barbour, Gary W. Beverage can cleaner. 4,802,927, 2-7-89, Cl. 134-6.000.

Barbour, Joel. Down hole video tool apparatus and method for visual well bore recording. 4,855,820, 8-8-89, Cl. 358-100.000.

Barbour Stockwell, Co.: *See—*
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Barbu, Stefan; Valkestijn, Leonardus; and van de Kerkhof, Franciscus A. M., to U.S. Philips Corp. Slave-type interface circuit. 4,815,026, 3-21-89, Cl. 364-900.000.

Barbugian, Natale: *See—*
Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Salle, Enrico, 4,808,616, Cl. 514-177.000.
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Barbutov, Venelin G.: *See—*
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Turlakov, Hristo A.; Barbutov, Venelin G.; and Machev, Stefan S., 4,845,611, Cl. 364-200.000.

Barby, Donald; and Haq, Zia, to Lever Brothers Company. Substrate carrying a porous polymeric material. 4,797,310, 1-10-89, Cl. 428-71.000.

Barcan, Donald: *See—*
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Barcella, Santino; Befeld, Manfred; Faber, Guy; and Slepcevic, Paul, to BBC Brown, Boveri & Company, Ltd. Method of manufacturing a control wheel for the high-pressure rotor of a steam turbine. 4,812,107, 3-14-89, Cl. 416-191.000.

Barcelon, James M. Hand weeder. 4,832,132, 5-23-89, Cl. 172-371.000.

Barcelon, Shirley A.; Hussein, Mamoun M.; Abbazia, Leonard P.; and Graff, Allan H., to Warner-Lambert Company. Unique flavor composition. 4,820,544, 4-11-89, Cl. 426-660.000.

Barcelon, Shirley A.; Oppenheimer, Alfred; and Hussein, Mamoun M., to Warner-Lambert Co. Taste and odor masked edible oil compositions. 4,853,247, 8-1-89, Cl. 426-613.000.

Barcelona, Michael J.; Garske, Edward E.; and Schock, Michael R., to Board of Trustees, University of Illinois. Flow-through analytical measurement apparatus and method. 4,803,869, 2-14-89, Cl. 73-53.000.

Barch, Herbert W.: *See—*
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Barchas, Myron, to Cook Bates Company, The. Nail-conditioning emery boards and process for making them. 4,813,976, 3-21-89, C 51-293.000.

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Barclay, Brian: *See—*
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Barclay, John L.: *See—*
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Barclay, Randel L. Apparatus and method for compacting a scrap tire. 4,802,635, 2-7-89, Cl. 241-30.000.

Barclay, Randel L. Rubber crumb recovery from vehicle tires. 4,840,316, 6-20-89, Cl. 241-279.000.

Barclay, Robert, Jr.: *See—*
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Cotter, Robert J.; Rimsa, Stephen B.; and Barclay, Robert, Jr., 4,816,505, Cl. 524-445.000.
Cotter, Robert J.; Rimsa, Stephen B.; Barclay, Robert, Jr.; Kwiatkowski, George T.; and Harris, James E., 4,849,503, C 528-171.000.

Barclay, Robert W. Fishnet hanging system. 4,805,334, 2-21-89, Cl. 43-7.000.

Barco Automation N.V.: *See—*
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Barco, Inc.: *See—*
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Barcomb, Lyle B.; and El-Hindi, Lawrence, to Filter Tech Inc. Edge seal for liquid filtration apparatus. 4,880,538, 11-14-89, C 210-401.000.

Barcus, Lester M. Microphone pickup system. 4,837,836, 6-6-89, Cl. 381-118.000.

Barcza, Sandor, to Sandoz Pharm. Corp. Chiral stationary phases and columns for chromatographic resolution. 4,824,950, 4-25-89, Cl. 546-14.000.

Barczys, Daniel A. Broadband constant voltage multicoupler 4,885,557, 12-5-89, Cl. 333-124.000.

Bard Limited: *See—*
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Harris, Christopher, 4,850,984, Cl. 604-326.000.
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Bard, Martin, to Buchtal Gesellschaft mit beschrankter Haftung. Un glazed ceramic tile-shaped article. 4,806,420, 2-21-89, Cl. 428-320.2

Bard, Martin, to Buchtal Gesellschaft mit beschrankter Haftung. Large format thin-walled ceramic tile. 4,815,248, 3-28-89, Cl. 52-511.000.

Bard, Martin; and Cremer, Gottfried, to Buchtal Gesellschaft mit beschrankter Haftung. Space heating element having a ceramic body with an electrically resistive coating thereon. 4,833,300, 5-23-89, C 219-345.000.

Bard, Martin; Rieger, Rosemarie; and Petzenhauser, Isfried, to Buchtal GmbH. Method for making lead pencils and colored pencils. 4,853,167, 8-1-89, Cl. 264-112.000.

Bard, Martin; and Cremer, Gottfried, to Buchtal Gesellschaft mit beschrankter Haftung. Space heating element comprising a ceramic shaped body provided with an electrically resistive coating, in particular in the form of a ceramic tile. 4,868,899, 9-19-89, Cl. 219-543.000.

Bard, Martin; and Baumgart, Hans G., to Buchtal GmbH. Ceramic wall or floor covering consisting of single tile-shaped elements. 4,870,795, 10-3-89, Cl. 52-389.000.

Bard, Martin: *See—*
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Cremer, Gottfried; and Bard, Martin, 4,821,484, Cl. 52-806.000.
Cremer, Gottfried; and Bard, Martin, 4,839,500, Cl. 219-213.000.

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Bard, Steven L.; Feger, Claudius; Glenning, John J.; Hougham, Gareth G.; Molis, Steven E.; Pawlowski, Walter P.; Ritsko, John J.; Slota, Peter, Jr.; and Snyder, Randy W., to International Business Machines Corporation. Wet etching of thermally or chemically cured polyimide. 4,846,929, 7-11-89, Cl. 156-630.000.

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Barder, Timothy J.; and Johnson, Steven P., to UOP. Adsorption separation of sterols from tall oil pitch with carbon adsorbent. 4,849,112, 7-18-89, Cl. 210-674.000.

Barder, Timothy J., to UOP. Purification of sterols with activated carbon as adsorbent and chlorobenzene as desorbent. 4,882,065, 11-21-89, Cl. 210-674.000.

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Bardo, Charles J.; and Campbell, Charles M., to Tradewinds Technologies, Inc. Evaporative cooler. 4,819,448, 4-11-89, Cl. 62-304.000.

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Bardos, Gary M., to Recycling Systems, Inc. Wear protection chipper disc. 4,875,631, 10-24-89, Cl. 241-92.000.

Bardos, Thomas J.; Ho, Yau-Kwan; Kasper, Steven J.; and Hughes, Robert G., Jr., to Research Foundation of State University of New York, The. Novel polynucleotide analogs, methods for inhibiting nucleic acid polymerases and methods for inducing synthesis of interferon. 4,882,147, 11-21-89, Cl. 424-85.400.

Bardos, Thomas J.; Perlman, Michael E.; and MacDiarmid, Joan E., to Research Foundation of State University of New York, The. Novel bis(2,2-dimethyl-1-aziridinyl) phosphinic amides for use in the treatment of tumors. 4,886,790, 12-12-89, Cl. 514-83.000.

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Bareis, Robert. In-situ portable boring-reaming system. 4,856,945, 8-15-89, Cl. 408-72.00R.

Bareiss, Raymond E. Light transmitter interconnecting a skylight and a ceiling opening. 4,809,468, 3-7-89, Cl. 52-22.000.

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Barendz, Anton W.; and Nieuwenhuizen, Maarten S., to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek. Composite substrate, intended for an apparatus for quantitative detection of a component present in a gas or liquid. 4,860,573, 8-29-89, Cl. 73-23.000.

Barenholz, Yechezkel; and Gabizon, Alberto, to Yissum Research Development Company of the Hebrew University of Jerusalem; and Hadassah Medical Organization. Lipsome/anthraquinone drug composition and method. 4,797,285, 1-10-89, Cl. 424-450.000.

Barenholz, Yechezkel; and Yechiel, Elishalom, to Yissum Research Development Company of the Hebrew University of Jerusalem; and Hadassah Medical Organization. Lipid replacement therapy. 4,812,314, 3-14-89, Cl. 424-450.000.

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Barger, Paul T.; Thompson, Gregory J.; Herber, Raymond R.; and Imai, Tamotsu, to UOP. Alkylation/transalkylation process. 4,857,666, 8-15-89, Cl. 585-323.000.

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Bakas, Steve T.; and Barger, Paul T., 4,861,935, Cl. 585-474.000.
Bakas, Steve T.; and Barger, Paul T., 4,870,222, Cl. 585-323.000.
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Bargigia, Gianangelo; Caporiccio, Gerardo; Tonelli, Claudio; and Flabbi, Luciano, to Ausimont S.p.A. Fluids having an oxetane struc-

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Barinov, Alexei P.; Bazin, Viktor A.; Maxak, Vladislav I.; and Rakityansky, Vasily N. Apparatus for making wire springs. 4,862,720, 9-5-89, Cl. 72-144.000.
Barish, David T. Rotating parachute. 4,844,384, 7-4-89, Cl. 244-142.000.
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Bark, Kwan, to Samsung Electronics Co., Ltd. Method for printing the frame of a color television by using the liquid crystal filter. 4,819,084, 4-4-89, Cl. 358-296.000.
Barkalow, Raymond W.; Dick, Harold S.; and Guthrie, Roger T., to M&T Chemicals, Inc. Coating hood for applying coating compound on containers. 4,879,970, 11-14-89, Cl. 118-719.000.
Barkan, Edward: *See—*
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,806,742, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,816,660, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,825,057, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,835,374, Cl. 235-472.000.
Barkan, Edward D.: *See—*
Shepard, Howard M.; Barkan, Edward D.; and Swartz, Jerome, 4,845,350, Cl. 235-472.000.
Barkan, Eric F.; and Sklar, David H., to Sola International Holdings, Ltd. Method for improving progressive lens designs and resulting article. 4,838,675, 6-13-89, Cl. 351-169.000.
Barkan, Eric F.: *See—*
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,806,742, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,816,660, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,825,057, Cl. 235-472.000.
Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,835,374, Cl. 235-472.000.
Barkan, Mordecai; Genusov, Alex; Granski, Michael; Budnik, Paul; and Retter, Refael, to Zoran Corporation. Cascadable digital filter processor employing moving coefficients. 4,802,111, 1-31-89, Cl. 364-724.100.
Barkans, Anthony C., to Schlumberger Technology Corporation. Method and apparatus for removing an image from a window of a display. 4,876,533, 10-24-89, Cl. 340-721.000.
Barkans, Anthony C.; Schroeder, Brian D.; Durant, Thomas L.; Gordon, Dorothy; and Lach, Jorge, to Schlumberger Systems, Inc. Guardband clipping method and apparatus for 3-D graphics display system. 4,888,712, 12-19-89, Cl. 364-522.000.
Barkatt, Aaron, to Macedo, Pedro B.; and Litovitz, Theodore A. Supported heteropolycyclic compounds in the separation and removal of late transition metals. 4,876,232, 10-24-89, Cl. 502-417.000.
Barkay, Moshe: *See—*
Schechter, Mordechai; and Barkay, Moshe, 4,796,012, Cl. 340-551.000.
Barkelew, Chandler H.: *See—*
Duysings, Frederik M. H. J.; Baxter, David B.; and Barkelew, Chandler H., 4,850,001, Cl. 378-54.000.
Barker, Alan R., to Emerson Electric Co. Reversing PSC motor design capable of high reversal repetition rate. 4,886,990, 12-12-89, Cl. 310-184.000.
Barker, Andrew J.; Carruthers, Nicholas I.; and Cooke, Michael D., to Hoechst UK Limited. 7-oxo-4-thia-azabicyclo[3.2.0]hept-2-ene derivatives. 4,849,419, 7-18-89, Cl. 514-192.000.
Barker, Andrew J.: *See—*
Ross, Barry C.; Cooke, Michael D.; Carruthers, Nicholas I.; and Barker, Andrew J., 4,795,748, Cl. 514-192.000.
Barker, Barbara A.; Hernandez, Irene H.; and Machart, Beverly H., to International Business Machines Corp. In-line dynamic editor for mixed object documents. 4,815,029, 3-21-89, Cl. 364-900.000.
Barker, Charles, III. Telephone. 4,866,764, 9-12-89, Cl. 379-355.000.
Barker, Charles A.; and Ladd, Barry L., to General Motors Corporation. Transmission pump with improved seal. 4,850,829, 7-25-89, Cl. 418-15.000.
Barker, David A. Poppet valve lash cap assembly. 4,829,952, 5-16-89, Cl. 123-90.670.
Barker, David C.: *See—*
Leigh-Monstevens, Keith V.; Branum, Leslie P.; and Barker, David C., 4,831,916, Cl. 92-129.000.
Barker, Howard A.: *See—*
Rirsch, Eric A.; and Barker, Howard A., 4,880,467, Cl. 106-85.000.
Barker, John M.; and Huddleston, Patrick R., to Shell Internationale Research Maatschappij B.V. Process for preparing thiophene derivatives. 4,847,386, 7-11-89, Cl. 549-68.000.
Barker, Kenneth J.: *See—*
Costes, Michel L.; Dalboussiere, Gerard; and Barker, Kenneth J., 4,809,155, Cl. 364-200.000.
Barker, Michael J. Horizontal form-fill-seal packaging machine. 4,807,420, 2-28-89, Cl. 53-51.000.
Barker, Nick: *See—*
Fowler, James F.; Barker, Nick; Kaneko, Steven; and Moore, Loyd C., 4,860,897, Cl. 206-444.000.
Barker, Rodney K., and Barker, William G., to Barker, Rodney K. Door jamb alignment and security apparatus. 4,862,658, 9-5-89, Cl. 52-217.000.
Barker, Ronald. Bracket for use in securing an electric meter base. 4,796,844, 1-10-89, Cl. 248-222.200.
Barker, Ronald E. Sweeping apparatus. 4,811,442, 3-14-89, Cl. 15-82.000.
Barker, Stanley G. Multipurpose warming and heating vessel. 4,860,726, 8-29-89, Cl. 126-208.000.
Barker, W. David: *See—*
Heisey, Raymond K., Jr.; Barker, W. David; Mariano, Arturo C. and Thurnau, Vernon L., 4,873,808, Cl. 52-478.000.
Barker, William G.: *See—*
Barker, Rodney K.; and Barker, William G., 4,862,658, Cl. 52-217.000.
Barkey, Dale P., to United States of America, Energy. Liquid membrane coated ion-exchange column solids. 4,886,598, 12-12-89, Cl. 210-263.000.
Barkhausen, Craig H.: *See—*
Chao, Chien C.; Sherman, John D.; and Barkhausen, Craig H., 4,822,492, Cl. 210-679.000.
Barkley & Dexter Laboratories, Inc.: *See—*
Moran, James M., 4,814,734, Cl. 336-84.00C.
Moran, James M., 4,819,321, Cl. 29-602.100.
Moran, James M., 4,833,773, Cl. 29-602.100.
Moran, James M., 4,870,381, Cl. 336-84.00C.
Barkley, George J.; and Barkley, Roberta. Photoelectric vehicle position indicating device for use in parking and otherwise positioned vehicles. 4,808,997, 2-28-89, Cl. 340-942.000.

Barkley, James D., to Foster Wheeler Energy Corporation. Closure assembly for a furnace. 4,796,543, 1-10-89, Cl. 110-173.00R.
Barkley, Paul E.: *See—*
Fauth, Frederick E., Sr.; and Barkley, Paul E., 4,836,358, Cl. 198-789.000.
Barkley, Roberta: *See—*
Barkley, George J.; and Barkley, Roberta, 4,808,997, Cl. 340-942.000.
Barkouskie, Ronnie, to Dutton-Lainson Corporation. Spare tire rack. 4,884,729, 12-5-89, Cl. 224-42.210.
Barkow, Helmut: *See—*
Kramer, Dieter; and Barkow, Helmut, 4,813,880, Cl. 439-65.000.
Barlage, Bruno; and Robert, Franz-Josef, to H. Niemeyer Sohne GmbH & Co. KG. Soil working machine. 4,889,190, 12-26-89, Cl. 172-49.500.
Barlage, Francis M., to Allied-Signal Inc. Switched mode power supply with improved load regulation. 4,858,094, 8-15-89, Cl. 363-21.000.
Barle, Louis; and Vliet, Ron. Protective surgical face mask. 4,796,621, 1-10-89, Cl. 128-206.230.
Barlo, Joseph J.: *See—*
Vilmur, Richard J.; Barlo, Joseph J.; Gerson, Ira A.; and Lindsley, Brett L., 4,811,404, Cl. 381-94.000.
Barlog, Mark J.: *See—*
Urschel, Joe R.; Barlog, Mark J.; Cole, Eugene H.; and Urschel, Gerald W., 4,813,317, Cl. 83-356.300.
Barlow, Alan, to Smiths Industries Public Limited Company. Electrical components and assemblies. 4,864,079, 9-5-89, Cl. 174-52.100.
Barlow, Darren E.: *See—*
Lew, Chel W.; and Barlow, Darren E., 4,880,646, Cl. 426-93.000.
Barlow, Fred D., Jr.: *See—*
Nealy, David L.; Wilkin, Louis A.; and Barlow, Fred D., Jr., 4,855,344, Cl. 524-86.000.
Barlow, George J.; Keeley, James W.; and Nibby, Chester M., Jr., to Honeywell Bull Inc. Address transform method and apparatus for transferring addresses. 4,799,222, 1-17-89, Cl. 371-51.000.
Barlow, George J.; Keeley, James W.; and Nibby, Chester M., Jr., to BULL HN Information Systems, Inc. Cache resiliency in processing a variety of address faults. 4,833,601, 5-23-89, Cl. 364-200.000.
Barlow, George J.; and Keeley, James W., to BULL HN Information Systems Inc. Data processing system with a fast interrupt. 4,839,800, 6-13-89, Cl. 364-200.000.
Barlow, George J.: *See—*
Keeley, James W.; and Barlow, George J., 4,802,087, Cl. 364-200.000.
Barlow, Gordon A., to Gordon Barlow Design. Spinning lighted toy. 4,848,768, 7-18-89, Cl. 273-141.00A.
Barlow, James E.: *See—*
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Barlow, Keith M.: *See—*
Tuningley, Allen J.; Barlow, Keith M.; and Stanley, Thomas R., 4,824,055, Cl. 246-458.000.
Barlow, Neil E.; Dewar, Robert; West, James K.; and Woroniec, Richard, to Perceptron Inc. Quick connect/disconnect repeatable sensor mounting apparatus. 4,862,598, 9-5-89, Cl. 33-613.000.
Barlow, Richard A.: *See—*
Logan, Eugene T.; Barlow, Richard A.; and Logan, James E., 4,865,219, Cl. 220-410.000.
Barlow, Robert W.: *See—*
Cooper, David A.; and Barlow, Robert W., 4,854,661, Cl. 350-96.200.
Barlow, Sandra K.: *See—*
Davis, Robert B.; Kramer, Charles E.; and Barlow, Sandra K., 4,874,660, Cl. 428-234.000.
Barma, Pradeep; and Chan, Chi-Ming, to Raychem Corporation. Heated dish antennas. 4,866,452, 9-12-89, Cl. 343-704.000.
Barma, Pradeep: *See—*
Chan, Chi-Ming; Barma, Pradeep; Chazan, David; and Liu, David. 4,801,785, Cl. 219-549.000.
Barma, Tarachand S., to La Crosse Footwear, Inc. Vulcanized rubber footwear product. 4,858,337, 8-22-89, Cl. 36-4.000.
Barma, Tarachand S.: *See—*
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Barmag AG: *See—*
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Bauer, Karl, 4,804,126, Cl. 226-182.000.
Bauer, Karl; Hanisch, Michael; and Lenk, Erich, 4,814,122, Cl. 264-40.100.
Bauer, Karl; Hanisch, Michael; and Lenk, Erich, 4,868,959, Cl. 28-187.000.
Dammann, Peter, 4,809,494, Cl. 57-291.000.
Gerhards, Klaus, 4,796,340, Cl. 28-248.000.
Greb, Manfred; and Keuth, Rainer, 4,829,640, Cl. 28-255.000.
Hertell, Siegfried; and Otto, Dieter, 4,850,814, Cl. 417-295.000.
Lenk, Erich, 4,801,257, Cl. 425-192.00S.
Lenk, Erich; and Stitz, Albert, 4,817,880, Cl. 242-47.010.
Lenk, Erich, 4,867,385, Cl. 242-18.00A.
Lenk, Erich; and Stitz, Albert, 4,880,177, Cl. 242-47.010.
Oberstrass, Detlev, 4,803,915, Cl. 92-110.000.
Otto, Dieter; and Hertell, Siegfried, 4,813,853, Cl. 417-295.000.
Schippers, Heinz; and Gerhartz, Siegmar, 4,798,347, Cl. 242-18.00R.
Von Der Ley, Heinz-Joachim; Schulz, Reiner; and Henchoz, Bernd, 4,794,846, Cl. 91-451.000.
Barman, Rolf. Process for producing a toothbrush and a toothbrush blank for use in the process. 4,876,157, 10-24-89, Cl. 428-542.800.
Barmatz, Martin B.; and Allen, James L., to United States of America, Administrator, National Aeronautics and Space Administration. Acoustic controlled rotation and orientation. 4,800,756, 1-31-89, Cl. 73-505.000.
Barmbilla, Luigi: *See—*
Katz, Egon; Bossenmaier, Alban; and Barmbilla, Luigi. 4,840,397, Cl. 280-739.000.
Barn, Belwinder S., to British Columbia Telephone Company. Full-fluxed, single-ended DC converter. 4,809,148, 2-28-89, Cl. 363-20.000.
Barna, Basil A., to United States of America, Energy. Vibration sensing method and apparatus. 4,823,601, 4-25-89, Cl. 73-594.000.
Barna, Gabriel G.; and Ratliff, Charles, to Texas Instruments Incorporated. Process and apparatus for detecting aberrations in production process operations. 4,847,792, 7-11-89, Cl. 364-552.000.
Barna, Gabriel G.; and Economou, Demetre J., to Texas Instruments Incorporated. Method for measuring plasma properties in semiconductor processing. 4,859,277, 8-22-89, Cl. 156-626.000.
Barna, Tamas: *See—*
Foldi, Tivadar; Biro, Gabor; Barna, Tamas; and Nagy, Imre, 4,833,577, Cl. 362-247.000.
Barnabeo, Austin E.: *See—*
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Barnaby, Anthony B., to Rank Taylor Hobson Limited. Vibration isolation means. 4,798,006, 1-17-89, Cl. 33-573.000.
Barnaby, Craig. Testing unit for rotary shaft encoders. 4,843,314, 6-27-89, Cl. 324-158.00R.
Barnard, Delbert J., to Cello Bag Company, Inc. Carton look plastic bag with ear handles. 4,877,335, 10-31-89, Cl. 383-6.000.
Barnard, Delbert J.: *See—*
Ball, James R.; and Barnard, Delbert J., 4,874,255, Cl. 383-8.000.
Barnard, Gordon D. Medical ventilator tube and manifold assembly. 4,870,961, 10-3-89, Cl. 128-202.270.
Barnard, James A.; and Fairchild, Michael G., to Eastman Kodak Company. Clock resynchronization after a track jump. 4,811,317, 3-7-89, Cl. 369-32.000.
Barnard, James A., to Eastman Kodak Company. Quasi-constant linear-velocity disk having corresponding radii of adjacent annular zones related by a rational number for distributing prerecorded indicia to form a coherent write clock signal. 4,819,218, 4-4-89, Cl. 369-50.000.
Barnard, Jan H. Track-laying device. 4,882,947, 11-28-89, Cl. 74-687.000.
Barnard, Johan P., to Bintech (Proprietary) Limited. Membrane tube filter device and disc supports and tension members. 4,846,973, 7-11-89, Cl. 210-323.200.
Barnard, John K.; Boozer, Richard D.; and Sankar, Sreenivasan, to Vita-Mix Corporation. Splash guard for a food mixer. 4,822,175, 4-18-89, Cl. 366-347.000.
Barnard, Michael A.; and Beugelsdyk, Anthony F., to Wescon Products Company. Radial throttle control. 4,813,214, 3-21-89, Cl. 56-11.300.
Barnard, Michael A.; and Beugelsdyk, Anthony F., to Wescon Products Company. Radial ground drive and blade clutch control for lawnmower. 4,850,182, 7-25-89, Cl. 56-10.800.
Barnard, Randy H., III: *See—*
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Barnard, Simon C.: *See—*
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Barnard, Thomas D., to Dow Corning Corporation. Method for forming filaments from a resin. 4,810,443, 3-7-89, Cl. 264-85.000.
Barnard, Thomas W., to Perkin-Elmer Corporation, The. Detector for a spectrometer. 4,820,048, 4-11-89, Cl. 356-328.000.
Barnard, William L.; and Glasser, Lance A., to Raytheon Company. Bit reversing apparatus. 4,811,369, 3-7-89, Cl. 377-33.000.
Barndt, Robert A., Sr., to Unisys Corporation. Dynamic speed shifter for fiber optic work station. 4,809,303, 2-28-89, Cl. 375-110.000.
Barndt, Robert A., Sr. Clock decoder and data bit transition detector for fiber optic work station. 4,888,791, 12-19-89, Cl. 375-23.000.
Barnea, Daniel; Stokar, Saul; Zur, Yuval; Kaplan, Noam; and Ban, Amir, to Elscint Ltd. Noise reduction in magnetic resonance images. 4,825,161, 4-25-89, Cl. 324-309.000.
Barnell, Anthony J.; and Palmer, James J., to Concept Plastics Corp. High impact strength protective seals for tape reels. 4,813,540, 3-21-89, Cl. 206-400.000.
Barner, Richard; and Hubscher, Josef, to Hoffmann-LaRoche Inc. Process for the preparation of hydroquinone derivatives and d-α-tocopherol. 4,808,736, 2-28-89, Cl. 549-408.000.
Barner, Richard; and Hubscher, Josef, to Hoffmann-LaRoche Inc. Hydroquinone derivatives. 4,824,972, 4-25-89, Cl. 549-420.000.
Barner, Richard; and Hubscher, Josef, to Hoffmann-La Roche Inc. Vitamin E intermediates. 4,851,585, 7-25-89, Cl. 568-592.000.
Barner, Richard; Burri, Kaspar; Cassal, Jean-Marie; Hadvary, Paul; Hirth, Georges; and Muller, Klaus, to Hoffmann-La Roche Inc. Glycerol derivatives. 4,863,941, 9-5-89, Cl. 514-365.000.
Barner, Richard; and Hubscher, Josef, to Hoffmann-La Roche Inc. Process for synthesizing chromanes. 4,876,369, 10-24-89, Cl. 549-411.000.
Barner, William H., to Inotek-Westmoreland Joint Venture. Multiple rate force and movement actuator. 4,838,112, 6-13-89, Cl. 74-527.000.
Barnert, Armin, to Spectrum Control, Inc. Oscillator with reduced harmonics. 4,864,256, 9-5-89, Cl. 331-116.00R.
Barnes, Albert L., to Eltech Systems Corporation. Composite for protection against armor-piercing projectiles. 4,876,941, 10-31-89, Cl. 89-36.020.

Barnes, Andrew C.; and Edwards, David L., to Mycogen Corporation. Cellular encapsulation of biologicals for animal and human use. 4,861,595, 8-29-89, Cl. 424-195.100.

Barnes, Arthur C.: *See—*
  Barnes, Carl E.; and Barnes, Arthur C., 4,888,118, Cl. 210-668.000.

Barnes, Austen B. Malfunction detector. 4,837,656, 6-6-89, Cl. 361-185.000.

Barnes, Billy R.; Barnes, Ronny L.; and Gary, David A., to Bar-Gar Corporation. Draft connection. 4,860,833, 8-29-89, Cl. 172-26.000.

Barnes, Brian M., to Zimbost Pty. Limited. Digital scaling accessory. 4,811,415, 3-7-89, Cl. 382-59.000.

Barnes, Carl E.; and Barnes, Arthur C., to Nyc[illegible]ine Products, Inc. Water purification process and apparatus employing nylon 4. 4,888,118, 12-19-89, Cl. 210-668.000.

Barnes, Casper W., to North American Philips Corporation. Apparatus for ultrasound flow mapping. 4,809,249, 2-28-89, Cl. 367-100.000.

Barnes, Cherie C.; Bennett, Robert B.; and Szczygielski, Thomas J., to International Business Machines Corporation. Space management system for data files having shared access. 4,888,681, 12-19-89, Cl. 364-200.000.

Barnes, Christine B.; Martin, Thomas E.; and Nardis, Frank E., to Babcock & Wilcox Company, The. Voice coil assembly for an electropneumatic converter. 4,821,760, 4-18-89, Cl. 137-82.000.

Barnes, Daniel C.: *See—*
  Milton, R. M.; and Barnes, Daniel C., 4,839,567, Cl. 315-344.000.

Barnes, Daniel F. Temperature sensitive artificial flower. 4,888,219, 12-19-89, Cl. 428-1.000.

Barnes, David; Bass, Joseph A.; Butler, John D.; and McKenzie, Robert H., to Southwire Company. Vertical shaft furnace for melting aluminum. 4,844,426, 7-4-89, Cl. 266-219.000.

Barnes, Derek, to MacMillan Bloedel Limited. Curve veneer clipper. 4,809,754, 3-7-89, Cl. 144-3.00R.

Barnes Drill Co.: *See—*
  Williams, Donald P., 4,850,382, Cl. 154-167.00R.

Barnes Engineering Company: *See—*
  Astheimer, Robert W., 4,883,364, Cl. 374-129.000.
  Gordon, Bruce S.; and Adler, Alan, 4,885,114, Cl. 252-589.000.
  Moore, James; Kale, Michael; and Csanak, George, 4,859,028, Cl. 350-1.100.
  Moore, James E.; Kale, B. Michael; Csanak, George; and Luty, Fritz, 4,884,855, Cl. 350-1.100.
  Savoca, Robert C., 4,827,422, Cl. 364-459.000.

Barnes, Frank S., to University of Colorado Foundation, Inc. Superconductor devices useful for disk drives and the like. 4,843,504, 6-27-89, Cl. 360-106.000.

Barnes, Garland R.: *See—*
  Turner, Robert B.; Jenkines, Randall C.; Serratelli, John F.; and Barnes, Garland R., 4,853,054, Cl. 156-78.000.

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Barnes, Graciela. Securing device and method for holding a child upright on a swing seat. 4,881,780, 11-21-89, Cl. 297-467.000.

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Barnes-Hind, Inc.: *See—*
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Barnes, James A.: *See—*
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Barnes, James E. Chiropractic table lever-locking mechanism. 4,809,685, 3-7-89, Cl. 128-74.000.

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Barnes, James M.: *See—*
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Barnes, Josh T.; and Sitzema, Ronald L., Jr., to Lexalite International Corporation. Reflector/refractor. 4,839,781, 6-13-89, Cl. 362-299.000.

Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Helm, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, to Harris Corporation. Cellular mobile telephone system and method. 4,829,554, 5-9-89, Cl. 379-58.000.

Barnes, Michael W.: *See—*
  Bennett, S. John; Barnes, Michael W.; and Kolonko, Kenneth J., 4,853,051, Cl. 149-19.400.

Barnes, Peter H., to Shell Oil Company. Process for contacting particulate solids with a fluid. 4,795,547, 1-3-89, Cl. 208-113.000.

Barnes, Richard M., to Unisys Corporation. Single-transmission polarization signal extractor. 4,849,762, 7-18-89, Cl. 342-188.000.

Barnes, Robert C.; Caporaso, John A.; Winter, Gerald J.; and Karwowski, Jan, to Nabisco Brands, Inc. Food container. 4,848,579, 7-18-89, Cl. 206-508.000.

Barnes, Ronny L.: *See—*
  Barnes, Billy R.; Barnes, Ronny L.; and Gary, David A., 4,860,833, Cl. 172-26.000.

Barnes, Stephen R.: *See—*
  Huntsman, Lee L.; Leard, Richard S.; Tarbox, Gary L.; Barnes, Stephen R.; and McLaren, Barry D., 4,[illegible]96,634, Cl. 128-662.010.

Barnes, Stuart R.; Sutehall, Ralph; and Clark[illegible], Robert S. F., to STC PLC. Optical fiber cable. 4,832,441, 5-23-89, Cl. 350-96.230.

Barnes, William E. Anti-jacknifing valve. 4,798,419, 1-17-89, Cl. 303-7.000.

Barnes, William W., II: *See—*
  Olesak, John; Bonkrud, Dennis D.; De Lain, Richard; and Barnes, William W., II, 4,810,991, Cl. 336-96.000.

Barnet, Robert: *See—*
  Cook, Alexander; and Barnet, Robert, 4,866,591, Cl. 363-67.000.

Barnett, Allen M.; and Mauk, Michael G., to University of Delaware. Thin active-layer solar cell with multiple internal reflections. 4,818,337, 4-4-89, Cl. 156-659.100.

Barnett, Allen M.; and Zolper, John C., to University of Delaware, The. Solution growth of lattice mismatched and solubility mismatched heterostructures. 4,876,210, 10-24-89, Cl. 437-5.000.

Barnett, Barry R. M.; and Ellis, David C., to TRW United-Carr Ltd. Connectors for insert moulding in panels. 4,797,983, 1-17-89, Cl. 24-289.000.

Barnett, Burton. Tamper resistant valve assembly primarily adapted for sampling of fluids. 4,884,781, 12-5-89, Cl. 251-23.000.

Barnett, Charles J., to Kent Adhesive Products Co. Book binding reinforcement. 4,879,149, 11-7-89, Cl. 428-41.000.

Barnett, Clifford J.; Greenwood, John E.; and Holman, Earl V., to United States of America, Administrator, National Aeronautics and Space Administration. Payload deployment method and system. 4,860,974, 8-29-89, Cl. 244-158.00R.

Barnett, Daniel C.; and Hall, George R., II, to Babcock & Wilcox Company, The. Analyzer block for sealing and isolating analyzer ga sample flow. 4,799,394, 1-24-89, Cl. 73-864.810.

Barnett, Daniel J.; and Michalopoulos, Daniel L., to Betz Laboratories Inc. Process for inhibiting white pitch deposition in papermaking felts. 4,861,429, 8-29-89, Cl. 162-199.000.

Barnett, Donald B.: *See—*
  McAndless, John M.; Hancock, James R.; Barnett, Donald B.; Ols Orville J.; Locke, Terry J. A.; and Maybank, John, 4,869,117, C 73-864.340.

Barnett, Gary J., to Northrop Corporation. Apparatus for preparing thin film optical coatings on substrates. 4,816,133, 3-28-89, C 204-298.000.

Barnett, Gerald W.; and Chen, Tien T., to Glidden Company, The. Small particle size latex based on vinyl acetate polymers. 4,812,51 3-14-89, Cl. 524-807.000.

Barnett, James S., to Moss, Frank P., Jr. Electronic monitoring system. 4,851,822, 7-25-89, Cl. 340-635.000.

Barnett, Jay D.; Ludwig, Bryan J.; Marks, Ernest E.; and Moore, Scott E., to Micron Technology, Inc. Resistivity probe fixture. 4,872,35 10-10-89, Cl. 73-866.500.

Barnett, Kenneth W.: *See—*
  Grote, Dace; Embry, William L.; and Barnett, Kenneth W., 4,827,845, Cl. 502-406.000.

Barnett, Larry G.: *See—*
  Williams, Ralph E.; Rhine, David B.; Bedinger, John; and Barnett, Larry G., 4,827,610, Cl. 29-840.000.

Barnett, Malcolm D.; Driskel, Stephen P.; and Taylor, John E., to BICC Public Limited Company. Optical cable. 4,846,566, 7-11-89, C 350-96.230.

Barnett, Paul M.; Welch, Douglas A.; and MacMillan, Duncan J., Jr., to Octel Communications Corporation. Feature telephone integration device. 4,873,718, 10-10-89, Cl. 379-156.000.

Barnett, Paul M.: *See—*
  Woo, Donald E.; and Barnett, Paul M., 4,811,381, Cl. 379-67.000.

Barnett, Ronald E.; and Yarger, Ronald G., to General Foods Corp. Foodstuffs containing hydrobenzene organic acids as sweetness modifying agents. 4,871,570, 10-3-89, Cl. 426-535.000.

Barnett, Ronald E.: *See—*
  Zanno, Paul R.; Barnett, Ronald E.; and Roy, Glenn M., 4,822,63 Cl. 426-3.000.

Barnett, Ronnie D.; and Parkes, Steven M., to Grass Valley Group, Inc., The. Video Difference key generator. 4,800,432, 1-24-89, C 358-160.000.

Barnett, Ronnie D.: *See—*
  Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., 4,853,784, Cl. 358-181.000.
  Jackson, Richard A.; Lake, David E., Jr.; Blecksmith, James E.; Barnett, Ronnie D.; and Abt, John, 4,821,269, Cl. 371-16.000.
  Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; and Olmstead, Neil R., 4,858,011, Cl. 358-181.000.
  Jackson, Richard A.; Abt, John; and Barnett, Ronnie D., 4,873,56 Cl. 358-22.000.

Barnett, Thomas R. Ski attachment for protecting the upper surface of the rear portion of a ski. 4,799,710, 1-24-89, Cl. 280-809.000.

Barnette, C. Joseph, to Kent Adhesive Products Company. Feedstock lamination. 4,861,636, 8-29-89, Cl. 428-41.000.

Barnette, Darrish W.: *See—*
  Frianeza-Kullberg, Teresita C.; and Barnette, Darrish W., 4,859,343, Cl. 210-679.000.

Barney, Charlotte L.: *See—*
  McCarthy, James R.; Bargar, Thomas M.; Barney, Charlotte L.; Matthews, Donald P.; and Broersma, Robert J., 4,847,288, C 514-438.000.
  Wagner, Eugene R.; Matthews, Donald P.; and Barney, Charlotte L., 4,857,663, Cl. 564-279.000.

Barney, David M., to United States of America, Energy. Contained radiological analytical chemistry module. 4,838,098, 6-13-89, Cl. 73-19.000.

Barney, Jonathan A.; and Karunaratne, Arjuna R., to Lutron Electronics Co., Inc. Position-sensing circuit. 4,841,221, 6-20-89, Cl. 323-320.000.

Barnhardt, Scott B., to Westinghouse Electric Corp. Coolant pump system for variable speed generators. 4,851,723, 7-25-89, Cl. 310-54.000.

Barnhart, Daniel H. Apparatus and method for soil decontamination. 4,882,021, 11-21-89, Cl. 204-157.150.

Barnhart, James. Compaction roller. 4,878,544, 11-7-89, Cl. 172-40.000.

Barnhart, Jill P. Bicycle safety flag. 4,876,981, 10-31-89, Cl. 116-173.000.

Barnhart, Ronald W.: *See—*
  Latvys, Evaldas J.; and Barnhart, Ronald W., 4,821,835, Cl. 180-282.000.

Barnhart, Victor J.; and Anderson, Robert T., to Chem-Nuclear Systems, Inc. Ductile iron cask with encapsulated uranium, tungsten or other dense metal shielding. 4,868,400, 9-19-89, Cl. 250-506.100.

Barnhart, William D. Produce dispenser. 4,801,045, 1-31-89, Cl. 221-305.000.

Barnholt, Mark C.: *See—*
  Heine, Charles F.; Barnholt, Mark C.; Hobson, Donald E.; and Pifer, Richard L., 4,795,403, Cl. 464-77.000.

Barnhouse, Robert L., to Northern Telecom Limited. Method of making circuit board pin. 4,831,728, 5-23-89, Cl. 29-874.000.

Barnhouse, Robert L. Cigarette substitute for smoking cessation. 4,877,041, 10-31-89, Cl. 131-270.000.

Barnklau, Karl-Hans: *See—*
  Apfelbacher, Walter; Wiessner, Edgar; and Barnklau, Karl-Hans, 4,883,927, Cl. 200-50.00C.

Barnoach, Itzhak, to Kitechnology B.V. Tube Connector. 4,887,847, 12-19-89, Cl. 285-52.000.

Barns, Robert L.; Chandross, Edwin A.; and Nagel, Suzanne R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Process for making optical fibers. 4,842,626, 6-27-89, Cl. 65-2.000.

Barnthaler, Franz; and Rutkowski, Krzysztof, to Voest-Alpine Aktiengesellschaft. Cutting machine for cutting and carrying away material from a work face. 4,878,714, 11-7-89, Cl. 299-67.000.

Barnwell, Edward A. Internal combustion engine. 4,831,972, 5-23-89, Cl. 123-46.00R.

Baroid Technology, Inc.: *See—*
  Jelsma, Henk H., 4,880,067, Cl. 175-107.000.
  McMahan, James M., Jr.; and Harper, Roland G., Jr., 4,880,025, Cl. 137-1.000.
  Paske, William C.; and Roesler, Richard F., 4,864,129, Cl. 250-269.000.
  Russell, Michael K.; and Evans, Kenneth S., 4,845,988, Cl. 73-516.00R.

Baroky, Julian K. Zipper guard. 4,819,308, 4-11-89, Cl. 24-415.000.

Baron, Arthur L.; Myers, Terry N.; and Wicher, Jerome, to Pennwalt Corporation. Dianhydride coupled polymer stabilizers. 4,874,803, 10-17-89, Cl. 524-94.000.

Baron, George; Vreeland, William H.; and Brown, Neil L., to Sippican Ocean Systems, Inc. Seawater probe. 4,854,728, 8-8-89, Cl. 374-136.000.

Baron, Glen H.: *See—*
  Roosa, Vernon D., 4,842,011, Cl. 137-414.000.

Baron, Henry C.; LeBlanc, Johnny J.; Storey, Thomas M.; and Yoder, Joseph W., to International Business Machines Corporation. High density, high performance register file having improved clocking means. 4,852,061, 7-25-89, Cl. 365-154.000.

Baron, Kenneth: *See—*
  Lee, Frank W.; Neuner, Jon D.; and Baron, Kenneth, 4,859,528, Cl. 428-290.000.
  Simpson, Howard D.; Richardson, Ryden L.; and Baron, Kenneth, 4,818,743, Cl. 502-211.000.

Baron, Kenneth C., to Unisys Corporation. Correlator with variably normalized input signals. 4,860,239, 8-22-89, Cl. 364-728.030.

Baron, Natan, to Motorola, Inc. Crystal clock generator having fifty percent duty cycle. 4,831,343, 5-16-89, Cl. 331-116.00R.

Baron Philippe de Rothschild S.A.: *See—*
  de Rothschild, Philippe, deceased, 4,868,028, Cl. 428-71.000.

Baron, Yair, to Ovonic Imaging Systems, Inc. Field sequential color liquid crystal display and method. 4,843,381, 6-27-89, Cl. 340-784.000.

Barone, Joseph P., to Millipore Corporation. Crystal growth process for preparing inorganic dynamic membranes. 4,808,311, 2-28-89, Cl. 210-490.000.

Barone, Joseph P., to Millipore Corporation. Crystal growth process for preparing inorganic dynamic membranes. 4,880,544, 11-14-89, Cl. 210-639.000.

Barone, Patrizia; and Ramachandran, Pallassana N., to Colgate-Palmolive Company. Breakage resistant higher fatty alcohol sulfate detergent laundry bars. 4,806,273, 2-21-89, Cl. 252-544.000.

Baroni, Robert J., to Rockwell International Corporation. Vehicle axle and brake support assembly. 4,854,427, 8-8-89, Cl. 188-205.00R.

Baroni, Robert J., to Rockwell International Corporation. Vehicle brake support. 4,858,730, 8-22-89, Cl. 188-205.00R.

Baror, Gigy: *See—*
  Johnson, William M.; and Baror, Gigy, 4,851,990, Cl. 364-200.000.

Barot, Harry A.: *See—*
  Cartee, Larry A.; and Barot, Harry A., 4,821,620, Cl. 89-36.020.

Barowski, Karlheinz; and Helbig, Gunter, to Braun Aktiengesellschaft. Cordless curling iron with separate electric heating station. 4,803,341, 2-7-89, Cl. 219-222.000.

Barowski, Karlheinz; and Liebenthal, Dieter, to Braun Aktiengesellschaft. Electrical curling iron having a pair of interchangeably usable curling sections of different size and/or configuration. 4,851,641, 7-25-89, Cl. 219-225.000.

Barr, Dallas N.: *See—*
  Nettleton, John E.; and Barr, Dallas N., 4,807,839, Cl. 248-476.000.

Barr, Frederick J., Jr.; Beasley, Thomas R.; and Piggin, Richard H., to Halliburton Logging Services, Inc. Method and apparatus for seismic exploration of strata surrounding a borehole. 4,873,675, 10-10-89, Cl. 367-57.000.

Barr, Howard S.: *See—*
  Dandliker, Walter B.; Barr, Howard S.; Katzenstein, Henry S.; and Watson, Keith R., 4,877,965, Cl. 250-458.100.

Barr, John D., to NL Petroleum Products Limited. Rotary drill bits. 4,804,049, 2-14-89, Cl. 175-329.000.

Barr, John D.; Matthias, Terry R.; and Taylor, Malcolm R., to Reed Tool Company Limited. Drill bit and cutter therefor. 4,862,977, 9-5-89, Cl. 175-329.000.

Barr, John D., to Reed Tool Company Limited. Manufacture of rotary drill bits. 4,878,403, 11-7-89, Cl. 76-107.00R.

Barr, John D.: *See—*
  Taylor, Malcolm R.; Barr, John D.; and Smart, John R., 4,873,895, Cl. 76-108.00A.

Barr, John E., to Kern Engineering & Mfg. Corp. EMI and environmentally protected connector cap. 4,836,794, 6-6-89, Cl. 439-135.000.

Barr, John T., IV: *See—*
  Cannon, Wayne C.; and Barr, John T., IV, 4,816,767, Cl. 324-58.00R.

Barr, Maurice R.: *See—*
  Choi, Hee-June; Henley, Francois J.; and Barr, Maurice R., 4,862,075, Cl. 324-158.00F.
  Henley, Francois G.; Choi, Hee-June; Kratzer, Dean J.; and Barr, Maurice R., 4,875,006, Cl. 324-158.00R.

Barr, Philip J.: *See—*
  Burke, Rae L.; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia; Valenzuela, Pablo D. T.; and Barr, Philip J., 4,880,734, Cl. 435-68.000.
  Nussenzweig, Victor; and Barr, Philip J., 4,826,957, Cl. 530-350.000.

Barr, Stephen M.; and Rohlf, Paul A., to Syntex (U.S.A) Inc. Cell culture vial. 4,845,038, 7-4-89, Cl. 435-296.000.

Barr & Stroud Limited: *See—*
  Henderson, William, 4,832,722, Cl. 65-3.150.
  Pratt, Stanley J., 4,848,886, Cl. 350-544.000.
  Waddell, Ewan M.; Orr, James S.; and Monachan, Brian C., 4,859,536, Cl. 428-408.000.

Barr, William K.; and Royston, Doris V., to Wiggins Teape Group Limited, The. Conductive sheet material having an aqueous conductive composition. 4,868,048, 9-19-89, Cl. 428-328.000.

Barrabee, Kent P. Interactive audio-visual teaching method and device. 4,804,328, 2-14-89, Cl. 434-308.000.

Barral, Jacques, to Carl F. Schroth GmbH. Safety belt. 4,854,608, 8-8-89, Cl. 280-805.000.

Barrall, Jeffery L.; and Garman, Robert C., to Armstrong World Industries, Inc. Wet and dry laid phosphate reactive sheets and phosphate ceramic structures made therefrom. 4,872,912, 10-10-89, Cl. 106-85.000.

Barrandon, Georges: *See—*
  Letoffe, Michel; and Barrandon, Georges, 4,797,462, Cl. 528-12.000.

Barrandon, Yann; and Green, Howard, to President and Fellows of Harvard College. Human epithelium originating from cell cultures. 4,888,291, 12-19-89, Cl. 435-240.241.

Barras, Lee J. Folding chair. 4,826,241, 5-2-89, Cl. 297-16.000.

Barratt, Peter J.; Clough, Douglas O.; Dickinson, Peter J.; and Farnhill, William M., to Hollingsworth, U.K. Ltd. Friction spinning apparatus with slub clearing means. 4,854,117, 8-8-89, Cl. 57-301.000.

Barrau, Bernard; and Bielsa, Francis. Apparatus for cleaning and sterilizing contact lenses. 4,816,232, 3-28-89, Cl. 422-301.000.

Barraud, Andre; Ruaudel, Annie; and Vandevyver, Michel, to Commissariat a l'Energie Atomique. Electrically conducting films comprising at least one monomolecular layer of an organic charge transfer complex. 4,803,011, 2-7-89, Cl. 252-500.000.

Barraud, Andre; Derost, Gisele; Henrion, Laurence; and Ruaudel-Teixier, Annie, to Commissariat a l'Energie Atomique. Process for the detection of molecular or ionic species. 4,871,680, 10-3-89, Cl. 436-103.000.

Barraud, Claude, to Schlumberger Industries. Systeme d'authentification analogique reciproque entre un terminal et une ligne de transmission. 4,852,155, 7-25-89, Cl. 379-145.000.

Barraud, Claude, to Schlumberger Industries. Device for starting charging in a pay phone. 4,873,721, 10-10-89, Cl. 380-9.000.

Barraud, Roger: *See—*
  Verdier, Claude; Leporcq, Bruno; Georges, Eric; and Barraud, Roger, 4,866,729, Cl. 372-89.000.

Barre, Daniel, to Soletanche. Milling engine for excavating trenches in the ground. 4,824,176, 4-25-89, Cl. 299-59.000.

Barre, Daniel: *See—*
  Bollinger, Karl; and Barre, Daniel, 4,883,134, Cl. 175-96.000.

Barre, Lucien, to Thomson-CSF. Fitting process for packaging a semiconductor component in a plastic box. 4,859,631, 8-22-89, Cl. 437-209.000.

Barreau, Michel; Comte, Marie-Therese; Farge, Daniel; Malleron, Jean-Luc; Ponsinet, Gerard; and Roussel, Gerard, to Rhone-Poulenc Sante. Process for preparing pyrrolo(1,2-A)azepinone derivatives. 4,826,974, 5-2-89, Cl. 540-593.000.

Barreau, Michel; Comte, Marie-Therese; Malleron, Jean-Luc; and Ponsinet, Gerard, to Rhone-Poulenc Sante. 4-benzylpiperazines useful as neuroleptics. 4,831,034, 5-16-89, Cl. 514-255.000.

Barree, Robert D., to Marathon Oil Company. Back pressure regulator. 4,846,215, 7-11-89, Cl. 137-510.000.

Barrell, David; Griffith, Gerald P.; Kennedy, Donald E.; and Rollen, Donald C., to Glasteel Industrial Laminates, Inc. Method of continuously bonding and curing a zinc-coated metal-clad polyester-epoxy-glass fiber laminate. 4,803,022, 2-7-89, Cl. 264-25.000.

Barrella, Joseph N., to Power Conversion Inc. Method and apparatus for cell monitoring and control. 4,871,956, 10-3-89, Cl. 320-13.000.

Barrena, Juan J.: *See—*
  Rao, Chepur P.; and Barrena, Juan J., 4,825,020, Cl. 200-16.00D.

Barresi, James A.; Arndt, Kenneth C.; Young, Michael N.; Bridgeham, Daniel O.; and Hede, Howard H., to First Aroostook Corporation. Waste fuel incineration system. 4,852,504, 8-1-89, Cl. 110-346.000.

Barret, Peter F.: *See—*
  Benson, David K.; and Barret, Peter F., 4,860,729, Cl. 126-400.000.

Barret, Thierry, to Salomon S.A. Ski boot. 4,811,498, 3-14-89, Cl. 36-117.000.

Barret, Thierry, to Salomon S.A. Sport shoe. 4,811,502, 3-14-89, Cl. 36-117.000.

Barreteau, Jean-Pierre: *See—*
  Mazars, Paul; and Barreteau, Jean-Pierre, 4,815,457, Cl. 128-155.000.

Barreto, Demostenis A. W.: *See—*
  Franco, Zadson d. A.; and Barreto, Demostenis A. W., 4,881,599, Cl. 166-284.000.

Barrett, Arthur L. Swing exerciser. 4,877,238, 10-31-89, Cl. 272-70.000.

Barrett, Charles G.; and Malloy, James B. Dispensing package for small articles. 4,805,765, 2-21-89, Cl. 206-45.150.

Barrett, David M. Sealing wound closure device. 4,865,026, 9-12-89, Cl. 128-155.000.

Barrett, David S.: *See—*
  Siraco, Frank J.; and Barrett, David S., 4,836,119, Cl. 112-306.000.

Barrett, Eugene R.; and Arnett, Richard L., to General Electric Company. Method of terminating winding leads. 4,856,180, 8-15-89, Cl. 29-596.000.

Barrett, Garth J. M., to Cube Overseas Trading Ltd. Bomb blast inhibitor and method of bomb blast inhibition. 4,836,079, 6-6-89, Cl. 86-50.000.

Barrett, Gene R. Grasper-stitcher device for arthroscopic anterior cruciate ligament repair. 4,836,205, 6-6-89, Cl. 128-340.000.

Barrett, George M. Internal combustion engine assembly. 4,838,214, 6-13-89, Cl. 123-41.690.

Barrett, Graham D., to Nestle, S.A. Deswelled, hydrogel intraocular lenses. 4,808,182, 2-28-89, Cl. 623-6.000.

Barrett, Graham D. Apparatus and method for determining the symmetry of a surface. 4,834,529, 5-30-89, Cl. 351-212.000.

Barrett, Haentjens & Company: *See—*
  Haentjens, Walter D.; and Stirling, Thomas E., 4,877,532, Cl. 210-629.000.

Barrett, John P.; Schulz, Daniel R.; Kent, David E.; deFasselle, Robert J.; and Zega, Henry E. Dispensing system. 4,870,986, 10-3-89, Cl. 137-119.000.

Barrett, John P.: *See—*
  Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.

Barrett, Joseph B. Pants construction and associated method. 4,875,240, 10-24-89, Cl. 2-227.000.

Barrett, Joseph J.: *See—*
  Kuper, Jerry W.; Langert, William E.; and Barrett, Joseph J., 4,858,242, Cl. 372-72.000.
  Morris, Robert C.; Schroeder, Norman G.; Kuper, Jerry W.; Shand, Michael L.; and Barrett, Joseph J., 4,835,786, Cl. 372-72.000.

Barrett, Lamar. Concrete delivery trolley. 4,877,206, 10-31-89, Cl. 248-49.000.

Barrett, Lawrence G. Transport integrated food irradiator, canisters used with food irradiator, and method of irradiating food. 4,864,595, 9-5-89, Cl. 378-69.000.

Barrett, Lawrence R.; Robertson, Ronald C.; and Sullivan, Mark A., to Du Pont de Nemours, E. I., and Company. Evacuation pump control for a centrifuge instrument. 4,857,811, 8-15-89, Cl. 318-3.000.

Barrett, Leslie M.: *See—*
  McKnight, James A.; and Barrett, Leslie M., 4,831,604, Cl. 367-99.000.

Barrett, Pat B., to Halliburton Logging Services, Inc. Bullet firing mechanism with retrieval cable. 4,827,823, 5-9-89, Cl. 89-1.150.

Barrett, Philip D.; Henderson, Walter G.; and Larson, Wayne F., to Supra Products, Inc. Electronic lock system with improved data dissemination. 4,887,292, 12-12-89, Cl. 379-103.000.

Barrett, Raybon, Jr. Treated wood products. 4,818,249, 4-4-89, Cl. 44-14.000.

Barrett, Raymond B.: *See—*
  Dausey, George M.; and Barrett, Raymond B., 4,831,903, Cl. 81-165.000.

Barrett, Robert A.: *See—*
  Halling, Horace P.; Barrett, Robert A.; and Woozley, Mark E., 4,813,692, Cl. 277-236.000.
  Halling, Horace P.; Barrett, Robert A.; and Woozley, Mark E., 4,854,600, Cl. 277-236.000.

Barrett, Roger; Meerholz, Clive A.; and Judkins, Brian D., to Glaxo Group Limited. Preparation of piperidinylcyclopentylheptenoic acid derivatives. 4,835,278, 5-30-89, Cl. 546-239.000.

Barrett, Ronnie G. Self-unlocking device for recoiling bolt carrier and barrel in a semi-automatic rifle. 4,867,040, 9-19-89, Cl. 89-172.000.

Barrett, Stephen P.: *See—*
  Witt, Robert L.; Barrett, Stephen P.; Ungchusri, Tep; and Bean, Roy C., 4,867,483, Cl. 285-23.000.

Barrett, William L. Powerlift competition safety device. 4,799,67 1-24-89, Cl. 272-123.000.

Barrett, William T., to Venturedyne, Ltd. Grate magnet. 4,867,86 9-19-89, Cl. 209-223.200.

Barrette, Denis; Chakravarty, Rajat; and Loiselle, Andre, to Asten Group, Inc. Shaped monofilament coil seam and fabrics. 4,862,92 9-5-89, Cl. 139-383.00A.

Barri, Sami A. I., to British Petroleum Company p.l.c., The. Sulphided platinum group metal-silicalite dehydrogenation catalysts. 4,795,73 1-3-89, Cl. 502-223.000.

Barriac, Jacques J., to Owens-Illinois Closure Inc. Tamper-indicating closure and package. 4,801,030, 1-31-89, Cl. 215-252.000.

Barriac, Jacques J., to Owens-Illinois Closure Inc. Tamper-indicating closures and packages. 4,801,031, 1-31-89, Cl. 215-252.000.

Barriac, Jacques J., to Owens-Illinois Closure Inc. Composite, tamper-evident, vacuum indicating closure and container. 4,807,770, 2-28-8 Cl. 215-252.000.

Barriac, Jacques J., to Owens-Illinois Closure Inc. Dispensing closure. 4,878,604, 11-7-89, Cl. 222-209.000.

Barrie, Robert P.; and Bengtson, Jon, to IGT. Multiple progressive gaming system that freezes payouts at start of game. 4,837,728, 6-6- Cl. 364-412.000.

Barrier Concepts, Inc.: *See—*
  Crisp, William T., Sr., 4,828,424, Cl. 404-6.000.

Barrier HB: *See—*
  Karlsson, Jan; and Fasth, Ingemar, 4,800,693, Cl. 52-171.000.

Barrier, Miller M.; Reynolds, Graeme E.; and Pesek, Daniel J., to BR Controls, Inc. Control valve. 4,817,669, 4-4-89, Cl. 137-627.500.

Barrier, Ronald B.: *See—*
  Phipps, Jackie M.; and Barrier, Ronald B., 4,854,177, C 73-861.240.

Barrier Systems, Inc.: *See—*
  Duckett, John W., 4,806,044, Cl. 404-6.000.
  Duckett, John W., 4,815,889, Cl. 404-6.000.
  Duckett, John W., 4,828,425, Cl. 404-6.000.

Barriere, Jean-Claude; Cotrel, Claude; and Paris, Jean-Marc, to Rhone-Poulenc Sante. Synergistin derivatives and pharmaceutical compositions which contain them. 4,798,827, 1-17-89, Cl. 514-183.000.

Barriergen, Inc.: *See—*
  Griffin, Donald L.; and Pfister, Ralph E., 4,861,658, C 428-336.000.

Barringer, Eric A.; Foster, Brian C.; Hodge, James D.; and Lind, Roger S., to Ceramics Process Systems Corporation. Tungsten paste for co-sintering with pure alumina and method for producing same. 4,835,039, 5-30-89, Cl. 428-210.000.

Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark S.; Hodge, James D.; Waack, Richard; Kelley, Donald J.; Saxton, Brian W.; and Gruber, William C., to Ceramics Process Systems Corp. Co-fired metal-ceramic package. 4,861,646, 8-29-89, Cl. 428-210.000.

Barringer, H. Paul: *See—*
  Mott, Keith C.; Kirsch, Gary E.; Barringer, H. Paul; and Tung, Lawrence Y., 4,817,962, Cl. 277-1.000.

Barringer, Richard C. Ice spud. 4,862,591, 9-5-89, Cl. 30-164.800.

Barrington, Burchus O.: *See—*
  Ringgenberg, Paul D.; and Barrington, Burchus O., 4,848,463, C 166-250.000.

Barrington, Burchus Q., to Caddell, Michael J., a part interest. High pressure fluid flow connector. 4,801,160, 1-31-89, Cl. 285-81.000.

Barrington, Ross B. Filter for dry cleaning solvent. 4,810,379, 3-7-8 Cl. 210-232.000.

Barrios, J. Rene: *See—*
  Zweifel, Terry L.; and Barrios, J. Rene, 4,863,120, Cl. 244-175.00

Barriquand: *See—*
  Barriquand, Bernard; Villard, Francois; and Durantet, Bernard, 4,884,418, Cl. 68-150.000.
  Villard, Francois; and Barriquand, Bernard, 4,825,668, C 68-189.000.

Barriquand, Bernard; Villard, Francois; and Durantet, Bernard, to Barriquand. Installation for the wet treatment of textile materials disposed on material carriers. 4,884,418, 12-5-89, Cl. 68-150.000.

Barriquand, Bernard: *See—*
  Villard, Francois; and Barriquand, Bernard, 4,825,668, C 68-189.000.

Barron, Alvah V.: *See—*
  Keating, Paul J., II; Barron, Alvah V.; Derman, Jay D.; and Bradley, William D., 4,815,398, Cl. 110-233.000.

Barron, John M.; Horan, Robert T.; Hoftman, Moshe M.; Noack, William L.; and Sandel, Dan, to Devon Industries, Inc. Multi-part disposable handle for hospital surgery room light fixture. 4,844,25 7-4-89, Cl. 206-223.000.

Barron, Larry R.: *See—*
  Bandlish, Baldev K.; and Barron, Larry R., 4,870,150, C 528-45.000.

Barron, Mark B., to IXYS Corporation. DV/DT of power MOSFETS. 4,881,106, 11-14-89, Cl. 357-23.800.

Barron, Richard H.: *See—*
  Wade, Franklin C.; Anderson, Richard A.; and Barron, Richard H., 4,808,037, Cl. 405-226.000.

Barron, Salvador; and Coffman, James E., to American Telephone and Telegraph Company, AT&T Information Systems Inc. Adj processor for providing computer facility access protection via call transfer. 4,876,717, 10-24-89, Cl. 380-25.000.

Barros, Manuel; Rampel, Hans; Dinkel, Emil; Klink, Josef; and Maier, Ulrich, to Brose Fahrzeugteile GmbH & Co. KG. Headrest adjusting arrangement, particularly in a motor vehicle. 4,834,456, 5-30-89, Cl. 297-403.000.

Barrow Hepburn Equipment Ltd.: *See—*
  Sharp, George P., 4,846,313, Cl. 188-187.000.

Barrow, Jeffrey G., to Analog Devices, Inc. Repetitive wave sampler. 4,862,073, 8-29-89, Cl. 324-78.00R.

Barrow, Jeffrey G.; and Brokaw, Adrian P., to Analog Devices, Inc. Temperature and power supply compensation circuit for integrated circuits. 4,879,505, 11-7-89, Cl. 323-312.000.

Barrow, Jeffrey G.; and Brokaw, Adrian P., to Analog Devices, Inc. Ramp generator reset circuit. 4,885,585, 12-5-89, Cl. 341-169.000.

Barrow, Peter; and Wright, Michael L., to Lilliwyte Societe Anonyme. Method of preparing ceramic surfaces for wetting thereof by alkali metals. 4,797,332, 1-10-89, Cl. 429-104.000.

Barrow, William A.; and Tuenge, Richard T., to Planar Systems, Inc. Full color hybrid TFEL display screen. 4,801,844, 1-31-89, Cl. 313-509.000.

Barrow, William A.; and Schmachtenberg, Richard, III, to Planar Systems, Inc. Method of encapsulating TFEL panels with a curable resin. 4,802,873, 2-7-89, Cl. 445-6.000.

Barrowclough, Philip: *See—*
  Cosgrove, Ronald C.; and Barrowclough, Philip, 4,809,869, Cl. 220-288.000.

Barrows, Robert E., to Ingersoll-Rand Company. Down hole drill chuck lock. 4,836,306, 6-6-89, Cl. 175-321.000.

Barrows, Thomas H., to Minnesota Mining and Manufacturing Company. Absorbable nerve repair device and method. 4,883,618, 11-28-89, Cl. 264-49.000.

Barroyer, Paul; Piat, Eric; Foucher, Bernard; and Bouilliez, Leon, to Etablissements Neu. Automatic process and device for cleaning a heat exchanger for gaseous fluids. 4,825,940, 5-2-89, Cl. 165-84.000.

Barruet, Patrick; Fauconnier, Alain; and Carle, Pierre-Regis, to Societe Nationale des Poudres et Explosifs. Paper distributing an active compound on burning, and a pyrotechnic distributor using such paper. 4,859,454, 8-22-89, Cl. 424-40.000.

Barrus, Donald M.; Shires, Charles D.; and Brummond, William A., to United States of America, Energy. Thermionic switched self-actuating reactor shutdown system. 4,880,596, 11-14-89, Cl. 376-336.000.

Barry, Andrew S. Moulded resin article. 4,881,[illegible], 11-21-89, Cl. 425-543.000.

Barry, Daniel T.; and Monsanto, Raphael A., to University of Michigan, The. System for controlling muscle response. 4,805,636, 2-21-89, Cl. 128-773.000.

Barry, David L.; Dreher, Mark L.; Johnson, Alan A.; and Schroeder, Otto E., to Frito-Lay, Inc. High solids filling material and comestible product. 4,824,684, 4-25-89, Cl. 426-94.000.

Barry, David W.: *See—*
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,538, Cl. 424-436.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,750, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,828,838, Cl. 424-451.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,833,130, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,837,208, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,847,244, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,857,511, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,874,609, Cl. 424-85.400.

Barry, Irwin M. Nest extermination kit. 4,839,985, 6-20-89, Cl. 43-132.100.

Barry, James D.; and Kennedy, Chandler J., to United States of America, Air Force. Defense to laser light irradiation. 4,852,452, 8-1-89, Cl. 89-1.110.

Barry, John: *See—*
  Ketcham, Kenneth E.; Barry, John; and Hofius, David V., 4,870,706, Cl. 2-2.000.

Barry, Michael W.; Tompkins, E. Neal; and Zuber, Peter, to Colorocs Corporation. Method and apparatus for providing improved color correction in a subtrative color printing system. 4,839,722, 6-13-89, Cl. 358-80.000.

Barry, Michael W.: *See—*
  Tompkins, E. Neil; Arends, Thomas C.; and Barry, Michael W., 4,847,829, Cl. 370-62.000.

Barry, Robert V.; and Townsend, Ensley E., to Eastman Kodak Company. Automatic lens selection for desired optical reduction ratio in a microfilm camera. 4,866,477, 9-12-89, Cl. 355-55.000.

Barry Wright Corporation: *See—*
  Domeier, Wayne H.; and Chin, Laurence D., 4,809,191, Cl. 364-513.000.
  Reynolds, David F., 4,850,490, Cl. 206-583.000.
  Schubert, Dale W., 4,796,873, Cl. 267-136.000.

Barshad, Yoav, to Barspec Ltd. Continuously rotating grating rapid-scan spectrophotometer. 4,804,266, 2-14-89, Cl. 356-308.000.

Barsi, Karoly: *See—*
  Solymos, Andras; Barsi, Karoly; Kis-Tamas, Laszlo; Forisek, Istvan; Dorombozi, Laszlo; and Lukonits, Otto, 4,799,738, Cl. 299-11.000.

Barski, Lori L., to Eastman Kodak Company. Skew detector for digital image processing system. 4,866,784, 9-12-89, Cl. 382-46.000.

Barsky, Samuel M. Combination box and package cushioning and method. 4,856,655, 8-15-89, Cl. 206-524.000.

Barson Corporation: *See—*
  Priceman, Seymour, 4,889,776, Cl. 428-629.000.

Barspec Ltd.: *See—*
  Barshad, Yoav, 4,804,266, Cl. 356-308.000.

Barstow, David R.; Barth, Paul S.; and Dinitz, Richard E. F., to Schlumberger Technology Corporation. Method and system for computer programming. 4,827,404, 5-2-89, Cl. 364-200.000.

Bart, Hansueli: *See—*
  Alsobrooks, Daniel E.; Bart, Hansueli; Chauvin, Richard; Horn, Thomas A.; Merte, John H.; Mesenich, Gerhard; and Mitts, Donna M., 4,840,163, Cl. 123-533.000.

Barta, Iren; Fekete, Pal; Pallos, Laszlo; Kovacs, Gabor; and Mahr, Lajos, to EGIS Gyogyszergyar; and Muanyagipari Kutato Intezet. Transdermal laminated pharamaceutical compositions having prolonged effect and process for the preparation thereof. 4,814,174, 3-21-89, Cl. 424-448.000.

Bartch, Donald W.: *See—*
  Deal, Samuel B.; Bartch, Donald W.; and Poff, Wayne R., 4,849,066, Cl. 156-640.000.
  Deal, Samuel B.; and Bartch, Donald W., 4,884,004, Cl. 313-402.000.

Barteck, Werner W., to Libbey-Owens-Ford Co. Seal construction for a mold structure for encapsulating glass with a gasket. 4,854,599, 8-8-89, Cl. 277-227.000.

Bartek, Joseph P.; Guttmann, Andrew T.; and Brazdil, James F., Jr., to Standard Oil Company, The. Preparation of abrasion resistant alumina-supported vanadium-antimony oxidic catalysts. 4,797,381, 1-10-89, Cl. 502-202.000.

Bartek, Joseph P.; Brazdil, James F., Jr.; Hupp, John M.; and Grasselli, Robert K., to Standard Oil Company, The. Upgrading low molecular weight hydrocarbons. 4,886,931, 12-12-89, Cl. 585-500.000.

Bartek, Joseph P.: *See—*
  Brazdil, James F., Jr.; Hattenberger, John S.; Hildebrand, Richard E.; and Bartek, Joseph P., 4,822,944, Cl. 585-500.000.
  Teller, Raymond G.; Brazdil, James F., Jr.; Bartek, Joseph P.; and Brussee, Ann M., 4,795,848, Cl. 585-500.000.

Bartel, Peter: *See—*
  Kleefeldt, Frank; Brackmann, Horst; and Bartel, Peter, 4,837,567, Cl. 340-825.310.

Bartelink, E. H. B., to Academy of Applied Science, Inc., The. Shockproof mains voltage supply outlet and method. 4,888,660, 12-19-89, Cl. 361-49.000.

Bartell, Ralph; Boissonneault, Roger; and Blischok, Monica, to Warner-Lambert Company. Credit card-style medication package. 4,889,236, 12-26-89, Cl. 206-531.000.

Bartels, Craig R.; and Reale, John, Jr., to Texaco Inc. Dehydration of glycols. 4,802,963, 2-7-89, Cl. 210-640.000.

Bartels, Craig R.; Dorawala, Tansukhlal G.; Stephenson, Michael T.; Pasternak, Mordechai; and Reale, John, Jr., to Texaco Inc. Treatment of water. 4,872,991, 10-10-89, Cl. 210-651.000.

Bartels, Craig R.: *See—*
  Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., 4,798,674, Cl. 210-640.000.
  Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., 4,877,529, Cl. 210-500.370.

Bartels, Gunter. Process for preparing 2-(3-bromopropyl)-5,5-dimethyl-1,3-dioxane and 2-(4-bromobutyl-5,5-dimethyl-1,3-dioxane. 4,847,391, 7-11-89, Cl. 549-369.000.

Bartels, Hermann A.: *See—*
  Kamke, Reinhard; Bartels, Hermann A.; Heseler, Horst; Srock, Rainer; and Eger, Georg, 4,843,849, Cl. 70-264.000.

Bartels, James I.; Patton, Paul B.; Kidder, Kenneth B.; and Gaskell, Alfred J., to Honeywell Inc. Method and apparatus for monitoring and calibrating damper position. 4,880,376, 11-14-89, Cl. 431-12.000.

Bartels-Keith, James R.; Boggs, Roger A.; Puttick, Anthony J.; and Sofen, Nancy M., to Polaroid Corporation. Photographic reagent tetrazoles. 4,847,383, 7-11-89, Cl. 548-251.000.

Barten, Axel: *See—*
  Troster, Josef; and Barten, Axel, 4,836,680, Cl. 356-371.000.

Bartenstein, Peter; and Prasse, Karl-Heinz, to Siemens Aktiengesellschaft. Circuit arrangement having a pre-amplifier connected to an opto-electric transducer. 4,870,369, 9-26-89, Cl. 330-59.000.

Barth, Douglas A., to American Locker Group Incorporated. Coin holding mechanism for coin operated locker. 4,844,228, 7-4-89, Cl. 194-290.000.

Barth, Douglas A., to American Locker Group Incorporated. Post office locker. 4,865,248, 9-12-89, Cl. 232-24.000.

Barth, Guenter; Stegmaier, Alwin; and van Zanten, Anton, to Robert Bosch GmbH. Apparatus for actuating the throttle valve of an internal combustion engine. 4,860,848, 8-29-89, Cl. 180-197.000.

Barth, Gunther; and Von Langsdorf, Fritz. Paving stone. 4,834,575, 5-30-89, Cl. 404-39.000.

Barth, Heinz; Hubner, Erwin; Heynisch, Hinrich; and Schneider, Adolf, to Siemens Aktiengesellschaft. Gas laser tube and method for manufacturing the same. 4,864,582, 9-5-89, Cl. 372-61.000.

Barth, John M., to Hoover Universal, Inc. Container with base cup and projection to limit stacking of base cups. 4,883,188, 11-28-89, Cl. 215-12.100.

Barth, Jordan, to Colgate-Palmolive Company. Solid antitartar mouth deodorant. 4,814,163, 3-21-89, Cl. 424-49.000.

Barth, Jordan; and Vellekoop, Linda J., to Colgate-Palmolive Company. Solid antitartar mouth deodorant composition. 4,814,164, 3-21-89, Cl. 424-49.000.

Barth, Norbert. Process for the production of fermented drinks with reduced alcohol content. 4,804,554, 2-14-89, Cl. 426-592.000.

Barth, Otto: *See—*
Melin, Thomas; Stracke, Hubert; and Barth, Otto, 4,869,824, Cl. 210-615.000.

Barth, Paul S.: *See—*
Barstow, David R.; Barth, Paul S.; and Dinitz, Richard E. F., 4,827,404, Cl. 364-200.000.

Barth, Phillip W.: *See—*
Petersen, Kurt E.; and Barth, Phillip W., 4,882,933, Cl. 73-517.00R.

Barth, Volker: *See—*
Friemel, Wolfgang; Barth, Volker; Munzel, Martin; and Ehret, Reiner, 4,812,291, Cl. 422-28.000.

Barth, Wayne E., to Pfizer Inc. 6-(1-carbamoyl-1-hydroxymethyl)-penicillanic acid derivatives. 4,797,394, 1-10-89, Cl. 514-192.000.

Barth, Wayne E., to Pfizer Inc. 6-(1-carbamoyl-1-hydroxymethyl)-penicillanic acid derivatives. 4,868,296, 9-19-89, Cl. 540-310.000.

Barth, Wolfram, to Siemens Aktiengesellschaft. Device for equipping an adapter with contact pins used with a circuit board test equipment. 4,823,079, 4-18-89, Cl. 324-158.00F.

Bartha, Johann W.: *See—*
Wittlinger, Jurgen; Greschner, Johann; Bayer, Thomas; and Bartha, Johann W., 4,871,418, Cl. 156-643.000.

Barthalmus, George T.: *See—*
Noga, Edward J.; and Barthalmus, George T., 4,859,668, Cl. 514-231.200.

Barthel, Jean-Pierre: *See—*
Stomp, Hubert; Barthel, Jean-Pierre; Feitler, Albert; and Parasch, Fred, 4,883,259, Cl. 266-217.000.

Barthel, Richard C.; Malone, Peter J.; Orth, Charles D.; and Jarosch, George W., to Eaton Corporation. Controlling refrigeration. 4,848,100, 7-18-89, Cl. 62-212.000.

Barthel, Richard C.: *See—*
Orth, Charles D.; Barthel, Richard C.; and Malone, Peter J., 4,794,762, Cl. 62-203.000.

Barthel, Ted F. Method and means for improved erosion control. 4,804,294, 2-14-89, Cl. 405-30.000.

Barthelemy, Andre: *See—*
Galtier Lucien; and Barthelemy, Andre, 4,869,519, Cl. 280-91.000.

Barthelemy, Odon: *See—*
Dusoleil, Serge; Preat, Jean-Luc; and Barthelemy, Odon, 4,882,376, Cl. 524-166.000.

Barthelemy, Pascal, to Rhone-Poulenc Chimie. Novel heat-stable siloxane/bismaleimido polymers. 4,829,138, 5-9-89, Cl. 526-262.000.

Barthelemy, Pascal, to Rhone-Poulenc Chimie. N,N'-bis(maleimide)-/alkenyloxyaniline copolymerizate. 4,839,440, 6-13-89, Cl. 526-262.000.

Barthelemy, Pascal; and Camberlin, Yves, to Rhone-Poulenc Chimie. Heat-resistant maleimido copolymers. 4,847,343, 7-11-89, Cl. 526-262.000.

Barthelemy, Pascal; and Camberlin, Yves, to Rhone-Poulenc Chimie. Heat-resistant maleimido copolymers. 4,847,344, 7-11-89, Cl. 526-262.000.

Barthelemy, Pascal, to Rhone-Poulenc Chimie. Novel bis(maleimide)/-polysiloxanes. 4,849,490, 7-18-89, Cl. 528-15.000.

Barthelemy, Pascal; and Crochemore, Michel, to Rhone-Poulenc Chimie. Novel n[meth)allyloxy(meth)allylphenyl]maleimides and thermosetting imido copolymers prepared therefrom. 4,883,883, 11-28-89, Cl. 548-549.000.

Barthelmes, Norbert, to Siemens Medical Laboratories, Inc. Assembly and method for monitoring the lateral position of a beam of ionizing radiation. 4,803,368, 2-7-89, Cl. 250-385.100.

Barthelmess, Ulrich. Centrifugal classifier. 4,857,178, 8-15-89, Cl. 209-143.000.

Barthold, Klaus; Oppenlaender, Knut; Las[illegible]wski, Juergen; and Baur, Richard, to BASF Aktiengesellschaft. Polyethers obtainable by reacting alkylolated bis-(4-hydroxyphenyl)-methanes with polyalkylene oxides, and their use as oil demulsifiers. 4,814,394, 3-21-89, Cl. 525-405.000.

Bartholet, Stephen J., to Odetics, Inc. Micropositioning apparatus for a robotic arm. 4,808,064, 2-28-89, Cl. 414-730.000.

Bartholic, David B.; and Reagan, William J., to Engelhard Corporation. Process for upgrading tar sand bitumen. 4,804,459, 2-14-89, Cl. 208-253.000.

Bartholic, David B.; and Reagan, William J., to Engelhard Corporation. Process for upgrading tar and bitumen. 4,818,373, 4-4-89, Cl. 208-252.000.

Bartholic, David B.; and Barger, Dwight F., to Engelhard Corporation. Hydrocarbon conversion-regeneration process using dilute and dense beds. 4,851,108, 7-25-89, Cl. 208-127.000.

Bartholic, David B. Liquid-solid separation process and apparatus. 4,859,315, 8-22-89, Cl. 208-153.000.

Bartholomew, Bruce J., to General Dynamics Corporation. Rotation sensors based on symmetrical electro-magnetic oscillators. 4,836,679, 6-6-89, Cl. 356-364.000.

Bartholomew, Bruce J., to General Dynamics Corporation/Convair Division. Device to detect frequency converted signals with high efficiency. 4,885,460, 12-5-89, Cl. 250-216.000.

Bartholomew, Bruce J., to General Dynamics Corporation/Convair Division. Technique to improve the efficiency of nonlinear optical processes. 4,885,478, 12-5-89, Cl. 307-425.000.

Bartholomew, Craig S.: *See—*
Murarka, Narayan P.; Kogler, Kent J.; Bartholomew, Craig S.; Betz, Howard T.; and Harris, Richard J., 4,837,044, Cl. 427-10.000.

Bartholomew, Donald D., to Proprietary Technology, Inc. Means of locking tubes into engagement with a pressure fitting. 4,802,697, 2-7-89, Cl. 285-319.000.

Bartholomew, Donald D., to Proprietary Technology, Inc. Condu liner assembly and method for installation. 4,804,020, 2-14-89, Cl. 138-111.000.

Bartholomew, Donald D., to Proprietary Technology, Inc. Force recording seat belt assembly. 4,805,467, 2-21-89, Cl. 73-862.540.

Bartholomew, Donald D., to Proprietary Technology, Inc. Heat blocking junction. 4,807,913, 2-28-89, Cl. 285-369.000.

Bartholomew, Donald D., to Proprietary Technology, Inc. Fluid pressure surge damper for a fluid system. 4,823,844, 4-25-89, Cl. 138-30.000.

Bartholomew, Donald D., to Proprietary Technology, Inc. Hose clamp. 4,843,686, 7-4-89, Cl. 24-19.000.

Bartholomew, Donald D., to Proprietary Technology, Inc. Method of affixing a ring to plastic pipe. 4,852,239, 8-1-89, Cl. 29-520.000.

Bartholomew, Donald D., to Proprietary Technology, Inc. Spark plug connector. 4,859,194, 8-22-89, Cl. 439-125.000.

Bartholomew, Lawrence D.; Gralenski, Nicholas M.; Richie, Michael A.; and Hersh, Michael L., to Watkins-Johnson Company. Atmospheric pressure chemical vapor deposition apparatus. 4,834,00 5-30-89, Cl. 118-719.000.

Bartholomew, Victor L., to Becton, Dickinson and Company. Apparatus for attaching a catheter to a hub. 4,802,947, 2-7-89, Cl. 156-380.500.

Bartholomew, Victor L.: *See—*
Lentz, David; and Bartholomew, Victor L., 4,850,980, Cl. 604-248.000.

Bartholomew, Wesley E.; and Tolle, Michael C., to Alkov, Leonard A. Circuit module connection system. 4,885,662, 12-5-89, Cl. 361-386.000.

Barthomeuf, Jean-Paul: *See—*
Ollivier, Jean; and Barthomeuf, Jean-Paul, 4,797,046, Cl. 411-448.000.
Revol, Gerard; and Barthomeuf, Jean-Paul, 4,869,630, Cl. 411-40.000.
Revol, Gerard; Roillet, Maxime; and Barthomeuf, Jean-Paul, 4,884,931, Cl. 411-57.000.

Bartilson, Benjamin M.; Kok, Kenneth D.; and Pettenski, Thomas A., to Battelle Memorial Institute. Smear sampling apparatus. 4,848,16 7-18-89, Cl. 73-864.710.

Bartilucci, Mark P.; Karsner, Grant G.; and Tracy, William J., III, to Mobil Oil Corporation. Recycle of oily refinery wastes. 4,874,50 10-17-89, Cl. 208-131.000.

Bartis, Peter A. Above-ground portable storage tank. 4,815,62 3-28-89, Cl. 220-1.00B.

Bartizal, Dennis C.: *See—*
Ersfeld, Dean A.; Hansen, Paul E.; Scholz, Matthew T.; Bartizal, Dennis C.; Reed, Katherine E.; Larson, Wayne K.; Sandvig, Timothy C.; and Buckanin, Richard S., 4,856,502, Cl. 128-90.00
Scholz, Matthew T.; Sandvig, Timothy C.; Bartizal, Dennis C.; Campagna, Anthony J.; and Libbey, Chris J., 4,888,225, Cl. 428-71.000.

Bartko, John; Anderson, Stanwood L.; Congedo, Thomas V.; and Ruddgy, Francis H., to Westinghouse Electric Corp. Method and apparatus for neutron dosimetry. 4,804,514, 2-14-89, Cl. 376-154.000.

Bartko, John; Schoch, Karl F., Jr.; Congedo, Thomas V.; and Anderson, Stanwood L., Jr., to Westinghouse Electric Corp. Neutron dosimeter. 4,857,259, 8-15-89, Cl. 376-154.000.

Bartko, John: *See—*
Smith, Richard C.; Bartko, John; and Fero, Arnold H., 4,881,24 Cl. 376-257.000.

Bartkowiak, Klaus; Graf, Joachim; Urbahn, Friedrich; and Weber, Klaus, to Barmag AG. Yarn traversing apparatus for a winding machine. 4,881,694, 11-21-89, Cl. 242-43.00R.

Bartky, W. Scott; Paton, Anthony D.; Temple, Stephen; and Michaelis, A. John, to AM International Incorporated. Droplet deposition apparatus. 4,879,568, 11-7-89, Cl. 346-140.00R.

Bartky, W. Scott: *See—*
Michaelis, A. John; Paton, Anthony D.; Temple, Stephen; and Bartky, W. Scott, 4,887,100, Cl. 346-140.00R.

Bartl, Herbert: *See—*
Lindner, Christian; Wittmann, Dieter; Trabert, Ludwig; Suling, Carlhans; Bartl, Herbert; and Ott, Karl-Heinz, 4,873,289, Cl. 525-293.000.

Bartl, Karl: *See—*
Hiesbock, Heinz G.; and Bartl, Karl, 4,824,737, Cl. 428-643.000.

Bartl, Knut; Lill, Helmut; and Wielinger, Hans, to Boehringer Mannheim GmbH. Analysis element for determination of a coagulation parameter. 4,861,712, 8-29-89, Cl. 435-13.000.

Bartlett, Allen J., to Helix Technology Corporation. Remote recondenser with intermediate temperature heat sink. 4,796,433, 1-10-89, Cl. 62-54.000.

Bartlett, Allen J., to Helix Technology Corporation. Cryopump with multiple refrigerators. 4,803,844, 2-14-89, Cl. 62-55.500.

Bartlett, Charles H.: *See—*
Augspurger, Quent; and Bartlett, Charles H., 4,817,939, Cl. 272-73.000.

Bartlett, Donald R.: *See—*
Ortlieb, Orlen J.; and Bartlett, Donald R., 4,852,735, Cl. 206-320.000.

Bartlett, Donald S.: *See—*
Akeel, Hadi A.; Bartlett, Donald S.; and Poynter, William H., Jr., 4,807,486, Cl. 74-479.000.

Bartlett, Edwin S., to Battelle Development Corporation. Method and apparatus for continuous casting of molten metal. 4,819,712, 4-11-89, Cl. 164-463.000.

Bartlett, Edwin S.; and McCall, James L., to Battelle Development Corporation. Thickness control of direct cast strip. 4,842,042, 6-27-89, Cl. 164-463.000.

Bartlett, Edwin S.; Maringer, Robert E.; and Rayment, Judith J., to Battelle Development Corporation. Direct strip casting on grooved wheels. 4,865,117, 9-12-89, Cl. 164-479.000.

Bartlett, Joel F.: *See—*
Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,807,116, Cl. 364-200.000.
Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,817,091, Cl. 371-9.000.

Bartlett, Jon G.: *See—*
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Bartlett, Joseph E. Combination faucet cartridge and handle puller. 4,823,453, 4-25-89, Cl. 29-261.000.

Bartlett, Marilyn S.: *See—*
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Bartlett, Michael H.: *See—*
Mullins, Aaron B.; and Bartlett, Michael H., 4,838,475, Cl. 228-179.000.

Bartlett, Randall N.; Case, Robert; Sauls, John; Jenkins, Arden; and McNew, James, to Den-Tal-Ez, Inc. Cabinetry door and transparency viewer. 4,824,190, 4-25-89, Cl. 312-138.00R.

Bartlett, Robert R.: *See—*
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Bartlett, Ted L.; and Eaton, Mervin E., to Boeing Company, The. Ferroresonant regulator for inductively coupled power distribution system. 4,833,338, 5-23-89, Cl. 307-17.000.

Bartlett, Thorne M.: *See—*
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Bartley, Donald L., to Kennametal Inc. Stable measuring platform. 4,835,878, 6-6-89, Cl. 33-637.000.

Bartley, Donald L., to Kennametal Inc. Expanding mandrel. 4,840,360, 6-20-89, Cl. 269-48.100.

Bartley, Donald R.: *See—*
Rockarts, Rene L.; and Bartley, Donald R., 4,881,881, Cl. 425-28.100.

Bartley, Harold D.; and Gaiser, William R., to Broadway Companies, Inc. Apparatus for forming a blown plastic container. 4,861,260, 8-29-89, Cl. 425-529.000.

Bartley, Shannon L.: *See—*
Pearson, Norman R.; Bartley, Shannon L.; and Kleschick, William A., 4,799,952, Cl. 71-92.000.

Bartley, Tracy L. Bib-bowl. 4,860,381, 8-29-89, Cl. 2-49.00A.

Bartling, Werner; and Jagode, Fritz H., to Bison-Werke Baehre; and Greten GmbH & Co. KG. Method and plant for cleaning dryer exhaust gases during the drying of wood chips, wood fiber of the like. 4,888,884, 12-26-89, Cl. 34-32.000.

Bartman, Gerald C.: *See—*
Glanz, Kenneth D.; and Bartman, Gerald C., 4,870,047, Cl. 503-209.000.

Bartmann, Gunter; and Brackelmann, Gerd, to Montan-Hydraulik GmbH. Two-stage telescoping hydraulic cylinder. 4,852,464, 8-1-89, Cl. 92-53.000.

Bartmann, Martin; and Ribbing, Wilfried, to Huls Aktiengesellschaft. Process for improving the color quality of polyphenylene oxide with unsaturated carboxylic acid ester. 4,814,431, 3-21-89, Cl. 528-491.000.

Bartmann, Martin; and Ribbing, Wilfried, to Huls Aktiengesellschaft. Process for the production of polyphenylene ethers with reduced inherent color. 4,868,283, 9-19-89, Cl. 528-480.000.

Bartmann, Martin; and Ikeda, Naoki, to Huls Aktiengesellschaft; and Daicel Chemical Industries Ltd. Aromatic polyamides based on phenoxyterephthalic acid and process for preparing them. 4,873,310, 10-10-89, Cl. 528-208.000.

Bartmann, Martin, to Huls Aktiengesellschaft. Hydrocarbon resin/-polyphenylene ether comblike polymers, methods of producing these polymers, and their mixtures with polyphenylene ethers. 4,876,310, 10-24-89, Cl. 525-149.000.

Bartmann, Martin: *See—*
Bollenrath, Franz-Michael; Bartmann, Martin; and Hentschel, Bernhard, 4,822,869, Cl. 528-216.000.
Finke, Juergen; and Bartmann, Martin, 4,824,932, Cl. 528-363.000.
Finke, Juergen; and Bartmann, Martin, 4,843,139, Cl. 528-125.000.
Finke, Juergen; Neugebauer, Wolfgang; Koziel, Holger; and Bartmann, Martin, 4,864,009, Cl. 528-172.000.
Finke, Juergen; Bartmann, Martin; and Schmidt, Friedrich-Georg, 4,868,272, Cl. 528-172.000.
Poll, Heinz-Guenter; and Bartmann, Martin, 4,843,140, Cl. 528-176.000.
Poll, Heinz-Guenter; Neugebauer, Wolfgang; Bartmann, Martin; and Finke, Juergen, 4,851,496, Cl. 528-173.000.

Bartmann, Wilhelm: *See—*
Wess, Gunther; Bartmann, Wilhelm; Beck, Gerhard; and Anagnostopulos, Hiristo, 4,855,323, Cl. 514-550.000.

Barneck, Hans. Contour molded insole. 4,823,420, 4-25-89, Cl. 12-142.00N.

Barto, Ronald J.; Gabrielli, Frank; and Mohn, Nancy C., to Combustion Engineering, Inc. Intelligent chemistry management system. 4,833,622, 5-23-89, Cl. 364-496.000.

Bartoletto, A. J. Taper-loc drag link and pin. 4,886,485, 12-12-89, Cl. 474-219.000.

Bartoli, Bernard M. Method of transferring information from the front to the back of a document, and apparatus for performing the method. 4,802,013, 1-31-89, Cl. 358-296.000.

Bartoli, Francesco: *See—*
Alberti, Giulio; Bartoli, Francesco; Constantino, Umberto; Di Gregorio, Francesco; and Valentini, Claudio, 4,826,663, Cl. 423-157.000.
Pittalis, Francesco; and Bartoli, Francesco, 4,830,796, Cl. 264-41.000.
Pittalis, Francesco; Bartoli, Francesco; and Farias, Otello, 4,879,036, Cl. 210-500.380.

Barton, Alan E., to Rohm and Haas Company. Process for making 6-aryl-2-methylpyridines. 4,804,761, 2-14-89, Cl. 546-251.000.

Barton, Arthur E. M.; and Meston, Spencer D., to British Aerospace Public Limited Company. Double ramming projectile assembly for guns. 4,803,926, 2-14-89, Cl. 102-430.000.

Barton, Bruce C.; and Kadlecik, John, to Standard Register Company, The. Serial print wheel impact printer. 4,828,410, 5-9-89, Cl. 400-144.100.

Barton, Carlos L.; Lindsay, Adrienne; and Henson, Samuel W., to Rogers Corporation. Process for the manufacture of multi-layer circuits with dynamic flexing regions and the flexible circuits made therefrom. 4,812,213, 3-14-89, Cl. 264-15.000.

Barton, Derek; Potier, Pierre; Herve, Yolande; and Thierry, Josiane, to Hoechst Aktiengesellschaft. Derivatives of bicyclic aminocarboxylic acids. 4,868,307, 9-19-89, Cl. 546-256.000.

Barton, Donald L.: *See—*
Conley, Richard A.; and Barton, Donald L., 4,883,787, Cl. 564-414.000.

Barton, Graham: *See—*
Ritter, Gregory A.; Barton, Graham; and Sargent, Ronald J., 4,881,870, Cl. 415-47.000.

Barton, James: *See—*
Ettori, Solange; Peraud, Jean-Claude; and Barton, James, 4,824,458, Cl. 65-30.130.

Barton, James I. Harness for suppression of hearing aid feedback. 4,869,339, 9-26-89, Cl. 181-130.000.

Barton, Jeffrey N.: *See—*
Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,795,757, Cl. 514-415.000.
Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,843,081, Cl. 514-307.000.

Barton, John R.; Reiss, Amy C.; and Silverman, Sidney W., to Boeing Company, The. Glass encapsulation of solar cell arrays to minimize voltage/plasma interaction effects in a space environment. 4,832,755, 5-23-89, Cl. 136-251.000.

Barton, John W.: *See—*
Smith, Gilbert W.; Daniel, Mervyn F.; Barton, John W.; and Ratcliffe, Norman M., 4,876,150, Cl. 428-411.100.

Barton, Kenneth R.: *See—*
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Barton, Mark R.: *See—*
Cook, Robert C.; and Barton, Mark R., 4,871,204, Cl. 292-251.500.

Barton, Maya R.: *See—*
Pastor, Jose; and Barton, Maya R., 4,878,246, Cl. 380-44.000.

Barton, Nicholas; and Billing, Robert, to Questech Limited. Processing of video image signals. 4,847,691, 7-11-89, Cl. 358-160.000.

Barton, Nicholas; Billing, Robert; and Burgess, Paul K., to Questech Limited. Processing of video image signals. 4,879,597, 11-7-89, Cl. 358-88.000.

Barton, O. Alfred, to Hoechst Celanese Corporation. Overlay proofing film. 4,842,950, 6-27-89, Cl. 428-483.000.

Barton, Randall N.: *See—*
Welch, Donald G.; and Barton, Randall N., 4,877,109, Cl. 182-183.000.

Barton, Richard O.: *See—*
Miller, John M.; Barton, Richard O.; and Bergin, Michael T., 4,804,270, Cl. 356-355.000.

Barton, Roger E. C.: *See—*
Kinneberg, Peter A.; Armer, Thomas A.; van Breen, Adriaan W.; Barton, Roger E. C.; and Klei, Ebel, 4,880,904, Cl. 528-392.000.

Barton, Ronald R. Apparatus for cleaning air filters. 4,842,624, 6-27-89, Cl. 55-291.000.

Barton, Steven K., to Ford Microelectronics, Inc. Feedback-controlled current output driver having reduced current surge. 4,825,099, 4-25-89, Cl. 307-270.000.

Barton, William M., Jr.: *See—*
Murphy, John F.; Barton, William M., Jr.; Jacobs, Lynn C.; McGee, Jeffrey S.; Netzeband, William F.; Johnson, Roger S.; and Dinas, Thomas J., 4,809,099, Cl. 360-95.000.

Bartos, Dezso S.; and Fitzpatrick, Denis, to Bartos Patent Development and Holding Company Limited. Method of determining the diagnostic value of monitoring serum-CEA-levels in a carcinoma patient undergoing therapy. 4,863,853, 9-5-89, Cl. 435-7.000.

Bartos, Josef A., to Respirator Research, Ltd. Portable emergency breathing apparatus. 4,794,923, 1-3-89, Cl. 128-205.240.

Bartos, Josef A., to Respirator Research, Ltd. Portable emergency breathing apparatus. 4,798,203, 1-17-89, Cl. 128-205.220.

Bartos, Josef A., to Respirator Research, Ltd. Portable emergency breathing apparatus. 4,800,923, 1-31-89, Cl. 137-613.000.

Bartos Patent Development and Holding Company Limited: *See—*
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Bartos, Thomas E.: *See—*
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Bartoszek, Edward J., to Pennwalt Corporation. Low smoke and reduced flame fluorinated polymer compositions and cable constructions. 4,804,702, 2-14-89, Cl. 524-432.000.

Bartoszek, Edward J., to Pennwalt Corporation. Low smoke and reduced flame fluorinated polymer compositions and cable constructions. 4,881,794, 11-21-89, Cl. 350-96.230.

Bartoszek-Loza, Rosemary; and Butler, Richard J., to Standard Oil Company, The. Process for preparing high nitrile coatings on metal or plastic materials. 4,837,057, 6-6-89, Cl. 427-388.400.

Bartow, Richard E.; Darrow, William K.; and Hartmann, Wayne T., to Eastman Kodak Company. CRT device light versus input signal characteristic function. 4,862,265, 8-29-89, Cl. 358-139.000.

Bartsch, Adalbert: *See—*
Muschelknautz, Edgar; Becker, Ernst; Bartsch, Adalbert; Kersten, Lars; Gospos, Georg; and Berndt, Gerhard, 4,871,147, Cl. 266-182.000.

Bartsch, Christian. Two-stroke internal combustion engine. 4,815,420, 3-28-89, Cl. 123-65.00P.

Bartsch, Klaus, to Biendax-Werke R. Schneider GmbH & Co. Dosing syringe. 4,852,768, 8-1-89, Cl. 222-46.000.

Bartsch, Rudiger: *See—*
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Bartsch, Wolfgang: *See—*
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Simon, Herbert; Michel, Helmut; Friebe, Walter-Gunar; and Bartsch, Wolfgang, 4,801,596, Cl. 514-327.000.
Simon, Herbert; Michel, Helmut; Bartsch, Wolfgang; and Strein, Klaus, 4,863,949, Cl. 514-418.000.

Bartscher, Bernd: *See—*
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Bartschi, Peter; and Fust, Peter, to Viscosuisse SA; and Maschinenfabrik Rieter AG. Catching ribbon having thread-engaging elements for catching and holding a thread on a thread support and slip-on ring provided with such catching ribbon. 4,842,213, 6-27-89, Cl. 242-125.100.

Bartz, Richard O. Fluid collection container. 4,881,650, 11-21-89, Cl. 220-1.00C.

Bartz, Volker: *See—*
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Seyffart, Gunther; Rothe, Wolfgang; Bartz, Volker; and Bartz, Volker, 4,879,280, Cl. 514-53.000.

Bartz, Wilfried, to Huels Aktiengesellschaft. Impact-resistant polyamide molding compounds. 4,840,993, 6-20-89, Cl. 525-66.000.

Barua, Arun B.; and Olson, James A., to Iowa State University Research Foundation, Inc. Method of producing water-soluble glucuronic acid derivatives of vitamin A. 4,855,463, 8-8-89, Cl. 549-417.000.

Barua, Debojit: *See—*
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Barua, Jayanta L.: *See—*
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Baruffa, Olindo: *See—*
Hochstrasser, Walter P.; Roch, Gertrud B.; Venturini, Yves; and Baruffa, Olindo, 4,809,450, Cl. 38-36.000.

Baruffaldi S.p.A.: *See—*
Depoli, Erminio, 4,875,565, Cl. 192-48.200.

Barwale, Usha B.; and Widholm, Jack M., to Lubrizol Genetics, Inc. Whole plant regeneration via organogenesis and somaclonal variation in glycine species. 4,857,465, 8-15-89, Cl. 435-240.490.

Barwasser, Gunter, to Wernicke & Co. GmbH. Turning tool for machining the edges of plastic lenses. 4,841,676, 6-27-89, Cl. 51-181.00R.

Barwasser, Gunter: *See—*
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Barwell International Limited: *See—*
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Barwick, Daniel L.: *See—*
Boyd, David M.; Barwick, Daniel L.; Chestnut, Dennis H.; Jones, Timothy W.; Walburn, Douglas M.; and Wilt, Larry J., 4,813,147, Cl. 33-501.030.

Barwick, Morris L.; and Praught, Ronald B., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Latch/switch for securing a circuit modules into a housing with accompanying circuit switching. 4,798,923, 1-17-89, Cl. 200-50.00R.

Barykin, Boris J.: *See—*
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Barzaghi, Fernando; and Butti, Alina, to Roussel UCLAF. Derivatives of 4-phenyl-4-oxo-2-butenoic acid their preparation process, their use as medicaments and compositions containing them. 4,867,7[illegible] 9-19-89, Cl. 562-463.000.

Barzaghi, Fernando: *See—*
Bianchi, Mario; and Barzaghi, Fernando, 4,814,348, C 514-469.000.
Toja, Emilio; Zirotti, Carlo; Galliani, Giulio; and Barzaghi, Fe nando, 4,810,722, Cl. 514-425.000.
Toja, Emilio; Gorini, Carlo; Zirotti, Carlo; Barzaghi, Fernand and Galliani, Giulio, 4,829,079, Cl. 514-425.000.
Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Gallia Giulio, 4,882,350, Cl. 514-425.000.
Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Gallia Giulio, 4,885,306, Cl. 514-425.000.
Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Gallia Giulio, 4,885,307, Cl. 514-425.000.

Barzanti, Adriano: *See—*
Pestellini, Vittorio; Ghelardoni, Mario; Giannotti, Danilo; Giolit Alessandro; Barzanti, Adriano; Ciappi, Rossella; and Ortola Carlo, 4,800,208, Cl. 514-397.000.

Barzelay, Abraham, to Ridewell Corporation. Leveling valv 4,886,092, 12-12-89, Cl. 137-627.500.

Barzuza, Ytshak, to Filtration Water Filters For Agriculture and Indu try, Ltd. Apparatus for cleaning corrugated filter elements. 4,875,3 10-24-89, Cl. 55-294.000.

Barzynski, Helmut; Benthack-Thomas, Heidi; Hellwig, Karl-Ruedig and Taubitz, Christof, to BASF Aktiengesellschaft. Sheet-like, mu layer, laser-optical recording material. 4,889,756, 12-26-89, C 428-64.000.

Barzynski, Helmut: *See—*
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Dust, Matthias; Neumann, Peter; Schefczik, Ernst; Benthac Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus-Diet Kuppelmaier, Harald; and Koester, Eberhard, 4,876,356, C 548-419.000.
Schrott, Wolfgang; Neumann, Peter; Albert, Bernhard; Thoma Michael; Barzynski, Helmut; Schomann, Klaus-Dieter; and Ku pelmaier, Harald, 4,806,664, Cl. 556-136.000.
Werner, Arend; Hibst, Hartmut; and Barzynski, Helmut, 4,83 Cl. 350-321.000.

Basalay, Robert J.: *See—*
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Basanese, Robert E.; Koop, Dale E.; and Wallace, Robert E., to Rofi Sinar, Inc. High powered beam dump. 4,864,098, 9-5-89, C 219-121.610.

Basanese, Robert E.: *See—*
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Basarath, Brian A.; Ebert, Harry K., Jr.; and Menkes, Henry E., t American Telephone and Telegraph Company, AT&T Bell Labo tories. Feeder monitor arrangement for stored program control rectifier plant. 4,845,637, 7-4-89, Cl. 364-492.000.

Basavaiah, Saryadevara: *See—*
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Baschang, Gerhard; Hartmann, Albert; Hirt, Hans; Lucas, Bohum and Wirz, Peter, to Ciba-Geigy Corporation. Phosphorus co pounds, processes for their manufacture, and their use. 4,885,2 12-5-89, Cl. 514-114.000.

Baschang, Gerhard: *See—*
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Basconi, Paul D., to Amphenol Corporation. Round transmission li cable. 4,847,443, 7-11-89, Cl. 174-32.000.

Basel, Rainer: *See—*
LeBisch, Helmut; Basel, Rainer; Fuchs, Georg; Dietmar, Herma Wipfelder, Ernst; and Hekele, Wilhelm, 4,871,502, C 264-222.000.

Baseman, Maurice S., to Ronco Laboratories, Inc. Paint compositi containing a volatile corrosion inhibitor. 4,812,503, 3-14-89, C 524-226.000.

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Barzynski, Helmut; Benthack-Thomas, Heidi; Hellwig, Kar Ruediger; and Taubitz, Christof, 4,889,756, Cl. 428-64.000.
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Bayer, Robert; Boettger, Guenter; Hiller, Rainer; Huber, Michael; Koernig, Wolfgang; and Fritz, Wolfgang, 4,820,532, Cl. 426-74.000.

Beck, Fritz; Wermeckes, Bernd; and Schulz, Harry, 4,842,700, Cl. 204-59.00R.

Becker, Rainer; Eckhardt, Heinz; Fischer, Rolf; Spiegler, Wolfgang; and Vagt, Uwe, 4,837,346, Cl. 549-425.000.

Becker, Rainer; Wriede, Ulrich; Schirmer, Ulrich; Parg, Adolf; Wuerzer, Bruno; and Meyer, Norbert, 4,844,729, Cl. 71-92.000.

Becker, Rainer; and Rohr, Wolfgang, 4,877,887, Cl. 549-253.000.

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Bertleff, Werner; Maerkl, Robert; Magnussen, Peter; Kuehn, Gebhard; and Stops, Peter, 4,861,895, Cl. 546-353.000.

Betz, Walter; Koch, Eckhard M.; Plachetta, Christoph; Blinne, Gerd; and Hahn, Karl, 4,866,115, Cl. 524-135.000.

Bickert, Waltraud; Brunkhorst, Heide; Gergely, Istvan; and Oetzel, Wolfgang, 4,828,895, Cl. 428-65.000.

Blum, Rainer; Rehmer, Gerd; Osterloh, Rolf; and Sander, Hans, 4,845,147, Cl. 524-461.000.

Blum, Rainer; Rehmer, Gerd; Osterloh, Rolf; and Sander, Hans, 4,853,433, Cl. 525-65.000.

Blum, Rainer, [illegible], Cl. 528-49.000.

Blum, Rainer; [illegible], Horst; Osterloh, Rolf; and Uhl, Guenter, 4,888,124, Cl. 252-182.200.

Bock, Gustav; Trauth, Hubert; Weber, Wilhelm; and Lechtken, Peter, 4,806,580, Cl. 524-110.000.

Boehning, Karl-Heinz; Mross, Wolf D.; Schwarzmann, Matthias; Becker, Hans-Juergen; Plueckhan, Juergen; and Renner, Klaus-Christian, 4,829,043, Cl. 502-348.000.

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Boettcher, Andreas; Fischer, Martin; Aldag, Reinhard; and Bluemel, Thomas, 4,886,735, Cl. 430-332.000.

Bott, Kaspar; and Irnich, Erika, 4,863,641, Cl. 562-848.000.

Bott, Kaspar; Hartmann, Horst; and Guth, Josef, 4,889,950, Cl. 560-205.000.

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Brandstetter, Franz; Echte, Adolf; Haaf, Franz; and Naarmann, Herbert, 4,866,129, Cl. 525-92.000.

Braun, Gerold; Tschang, Chung-[illegible]; Vamvakaris, Christos; and Glaser, Klaus, 4,855,423, Cl. 544-2.000.

Brenner, Karl; Eggersdorfer, Manfred; Ruppel, Wilhelm; Schultheiss, Harald; and Scholz, Hans-Ulrich, 4,816,606, Cl. 568-402.000.

Bronstert, Bernd; Hoffmann, Gerhard; and Lynch, John, 4,816,379, Cl. 430-306.000.

Bronstert, Klaus, 4,816,520, Cl. 525-285.000.

Bronstert, Klaus; and Bohnet, Siegbert, 4,822,530, Cl. 260-665.00R.

Bronstert, Klaus; Mach, Helmut; Rath, Hans P.; and Walter, Hans-Michael, 4,822,945, Cl. 585-517.000.

Bronstert, Klaus; Gerberding, Karl; and Jenne, Helmut, 4,835,220, Cl. 525-250.000.

Bronstert, Klaus; and Mueller, Wolfgang F., 4,835,221, Cl. 525-332.800.

Bronstert, Klaus; Walter, Hans-Michael; and Schwaben, Hans-Dieter, 4,839,434, Cl. 525-350.000.

Bronstert, Klaus; Bohnet, Siegbert; Himmele, Walter; and Bott, Kaspar, 4,861,742, Cl. 502-157.000.

Buehler, Volker; Hofmann, Friedbert; and Heinz, Robert, 4,800,086, Cl. 424-497.000.

Buerstinghaus, Rainer; Hofmeister, Peter; and Kuenast, Christoph, 4,859,706, Cl. 514-624.000.

Cooper, Bryan, 4,874,701, Cl. 435-147.000.

Cross, Jimmy D.; and Smith, Landon, 4,865,688, Cl. 156-78.000.

Daltrozzo, Ewald; and Sulger, Werner, 4,876,347, Cl. 546-176.000.

Danner, Alfred; Mueller, Ulrich; Unger, Klaus; and Hoelderich, Wolfgang, 4,871,701, Cl. 502-62.000.

De Decker, Emile; Oostvogels, Jozef; van Wauwe, Gerard; and Neubauer, Gerald, 4,804,754, Cl. 540-535.000.

Degen, Hans-Juergen; Bermes, Rudolf; and Pfohl, Sigberg, 4,804,387, Cl. 8-641.000.

Degen, Hans-Juergen; Pfohl, Sigberg; Weberndoerfer, Volkmar; Rehmer, Gerd; Kroener, Michael; and Stange, Andreas, 4,818,341, Cl. 162-168.200.

Degen, Hans-Juergen; Reichel, Fritz; Riebeling, Ulrich; and Hoehr, Lothar, 4,835,212, Cl. 524-734.000.

Degen, Hans-Juergen; Reichel, Fritz; Riebeling, Ulrich; and Hoehr, Lothar, 4,855,343, Cl. 524-47.000.

Degner, Dieter; Gramlich, Walter; and Hannebaum, Heinz, 4,814,510, Cl. 568-425.000.

Degner, Dieter; Gramlich, Walter; Lanzendoerfer, Franz; and Siegel, Hardo, 4,820,389, Cl. 204-78.000.

Degner, Dieter; Gramlich, Walter; Lengsfeld, Wolfgang; and Schuster, Ludwig, 4,847,425, Cl. 568-579.000.

Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, 4,855,412, Cl. 534-766.000.

Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, 4,855,413, Cl. 534-766.000.

Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, 4,818,794, Cl. 525-327.800.

Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Winkler, Ekhard; and Raubenheimer, Hans-Juergen, 4,818,795, Cl. 525-327.800.

Denzinger, Walter; Hartmann, Heinrich; Gockel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, 4,886,859, Cl. 525-327.800.

Diem, Hans; Kraus, Friedrich; Matthias, Guenther; Maurer, Bruno; and Wittmann, Otto, 4,814,422, Cl. 528-230.000.

Dierke, Ruediger; Schlichthaerle, Gottfried; Schuchart, Peter; and Schweitzer, Armin, 4,830,091, Cl. 165-1.000.

Dix, Johannes P.; Etzbach, Karl-Heinz; Mayer, Udo; and Sens, Ruediger, 4,880,769, Cl. 503-227.000.

Dockner, Toni; Kempe, Uwe; and Koehler, Hermann, 4,803,283, Cl. 548-339.000.

Dockner, Toni; and Sauerwald, Manfred, 4,822,918, Cl. 568-58.000.

Dockner, Toni; Krug, Herbert; and Nohe, Heinz, 4,824,956, Cl. 546-314.000.

Dorow, Joachim; and Bleckmann, Gerhard, 4,809,607, Cl. 101-415.100.

Dunfield, Lawrence G.; and Lok, Kar P., 4,888,983, Cl. 73-104.000.

Dust, Matthias; Neumann, Peter; Hauser, Peter; Wagenblast, Gerhard; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus D.; and Kuppelmaier, Harald, 4,830,951, Cl. 430-270.000.

Dust, Matthias; Neumann, Peter; Schefczik, Ernst; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus-Dieter; Kuppelmaier, Harald; and Koester, Eberhard, 4,876,356, Cl. 548-419.000.

Ebel, Klaus; and Reuther, Wolfgang, 4,886,882, Cl. 544-196.000.

Ebel, Klaus; Reuther, Wolfgang; Fikentscher, Rolf; Lach, Dietrich; Streicher, Rolf; and Schaffer, Ortwin, 4,888,412, Cl. 528-230.000.

Eckhardt, Heinz; and Eggersdorfer, Manfred, 4,820,882, Cl. 568-715.000.

Eckhardt, Heinz; Gramlich, Walter; Best, Walter; and Halbritter, Klaus, 4,831,166, Cl. 549-323.000.

Eggersdorfer, Manfred; Henkelmann, Jochem; Heinz, Gerhard; and Koch, Juergen, 4,835,242, Cl. 528-125.000.

Eicken, Karl; Plath, Peter; Wuerzer, Bruno; and Meyer, Norbert, 4,808,211, Cl. 71-92.000.

Eicken, Karl; Plath, Peter; Wuerzer, Bruno; and Meyer, Norbert, 4,844,733, Cl. 71-96.000.

Eilingsfeld, Heinz; Etzbach, Karl-Heinz; Hansen, Guenter; and Reichelt, Helmut, 4,843,153, Cl. 534-752.000.

Elzer, Albert; Sanner, Axel; Schupp, Hans; and Beck, Erich, 4,842,987, Cl. 430-281.000.

Engelbach, Heinz; Krokoszinski, Roland; Franzischka, Wolfgang; and Decker, Martin, 4,814,479, Cl. 558-328.000.

Ernst, Hansgeorg; Leininger, Hartmut; and Paust, Joachim, 4,806,686, Cl. 564-398.000.

Etzbach, Karl-Heinz, 4,814,465, Cl. 549-61.000.

Etzbach, Karl-Heinz; Hansen, Guenter; Schefczik, Ernst; and Reichelt, Helmut, 4,837,269, Cl. 534-761.000.

Fischer, Martin, 4,822,946, Cl. 585-641.000.

Fischer, Rolf; and Schulz, Bernhard, 4,804,766, Cl. 56[illegible]-591.000.

Fischer, Rolf; Hoelderich, Wolfgang; and Sauerwald, Manfred, 4,845,269, Cl. 560-205.000.

Fischer, Rolf; Frank, Juergen; Merger, Franz; Roeper, Michael; and Vagt, Uwe, 4,853,473, Cl. 549-326.000.

Fischer, Rolf; Merger, Franz; and Gosch, Hans-Juergen, 4,874,889, Cl. 560-205.000.

Fischer, Roman; Koob, Knut; and Loecher, Friedrich, 4,824,864, Cl. 514-494.000.

Fischer, Roman; and Mueller, Herbert, 4,851,578, Cl. 564-479.000.

Flohr, Helmut; Jesse, Joachim; Albert, Bernhard; and Neumann, Peter, 4,851,549, Cl. 549-206.000.

Franck, Burchard; and Gosmann, Martin, 4,798,891, Cl. 540-472.000.

Franz, Dieter; Kummer, Rudolf; Mach, Helmut; and Rath, Hans P., 4,859,210, Cl. 44-53.000.

Fuchs, Harald; Gleiter, Herbert; Trapp, Stephan; and Petermann, Juergen, 4,812,800, Cl. 338-2.000.

Fuchs, Hugo; and Weiss, Franz-Josef, 4,837,362, Cl. 562-606.000.

Fuchs, Hugo, 4,873,369, Cl. 564-264.000.

Fuchs, Hugo; Ritz, Josef; Thomas, Erwin; and Weiss, Franz-Josef, 4,889,704, Cl. 423-387.000.

Goeckel, Ulrich; Petersen, Harro; Osterloh, Rolf; Schupp, Eberhard; Loch, Werner; and Schwerzel, Thomas, 4,855,394, Cl. 528-263.000.

Goertz, Hans-Helmut; Klimesch, Roger G.; Laemmerhirt, Klaus; Lang, Siegfried; Sanner, Axel; and Spengler, Reinhard, 4,801,460, Cl. 424-465.000.

Goertz, Hans-Helmut; Straub, Ferdinand; Sanner, Axel; Kolb, Albrecht; Raubenheimer, Hans-Juergen; and Vogel, Friedrich, 4,841,066, Cl. 548-335.000.

Goertz, Hans-Helmut; Oftring, Alfred; and Vogel, Friedrich, 4,859,756, Cl. 526-263.000.

Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, 4,810,404, Cl. 252-75.000.

Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, 4,827,008, Cl. 556-466.000.

Graalmann, Onno; Kreibiehl, Guenter; Turznik, Gerhard; and Weber, Heinz, 4,885,206, Cl. 428-316.600.

Graf, Fritz; Engelbach, Heinz; Hupfer, Leopold; Schultheiss, Harald; and Sprague, Michael J., 4,814,513, Cl. 568-471.000.

Graf, Fritz; Hupfer, Leopold; and Schultheiss, Harald, 4,851,584, Cl. 568-471.000.
Graf, Hermann; Franz, Lothar; Sauter, Hubert; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,801,592, Cl. 514-300.000.
Gramlich, Walter; Halbritter, Klaus; and Heilen, Gerd, 4,806,670, Cl. 558-371.000.
Gramlich, Walter; Goetz, Norbert; Siegel, Hardo; and Schindler, Gerhard, 4,837,201, Cl. 512-26.000.
Grau, Werner; Kohl, Albert; Kovacs, Jenoe; Balz, Werner; and Muenzer, Wulf, 4,842,896, Cl. 427-131.000.
Grimmer, Johannes, 4,806,643, Cl. 544-251.000.
Gruehn, Dietrich; Hack, Joachim; Fehrenbach, Hubert; Rudolf, Peter; and Holl, Norbert, 4,796,137, Cl. 360-133.000.
Grychtol, Klaus, 4,804,386, Cl. 8-437.000.
Guentner, Andreas; Mayer, Udo; and Oberlinner, Andreas, 4,841,050, Cl. 544-150.000.
Gulbins, Erich; McKee, Graham E.; and Ley, Gregor, 4,808,655, Cl. 524-504.000.
Gullbins, Erich; McKee, Graham E.; and Ley, Gregor, 4,840,990, Cl. 524-504.000.
Gurak, Nur R.; Thompson, Ronald J.; Russell, James P.; and Yarkovsky, Joseph M., 4,889,670, Cl. 264-50.000.
Habermann, Wolfgang; Engelhardt, Hubert; Geiger, Wolfgang; Mayer, Udo; Hammes, Peter; and Simmler, Werner, 4,828,718, Cl. 210-763.000.
Hagen, Helmut; Eichenauer, Ulrich; Plath, Peter; Meyer, Norbert; and Wuerzer, Bruno, 4,797,148, Cl. 71-94.000.
Hagen, Helmut; Eichenauer, Ulrich; Kohler, Rolf-Dieter; Plath, Peter; Liese-Sauer, Thomas; Eicken, Karl; Wuerzer, Bruno; and Meyer, Norbert, 4,804,404, Cl. 71-94.000.
Hagen, Helmut; Kohler, Rolf-Dieter; and Dupuis, Jacques, 4,845,226, Cl. 546-180.000.
Hahn, Erwin; and Neumann, Peter, 4,885,396, Cl. 568-315.000.
Hammon, Fritz; Heim, Uwe; Kaemmer, Eduard; and Reuther, Hans-Peter, 4,868,017, Cl. 427-356.000.
Hamprecht, Gerhard; Theobald, Hans; Spiegler, Wolfgang; Richarz, Winfried; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,829,072, Cl. 514-314.000.
Hamprecht, Gerhard, 4,832,879, Cl. 260-544.00F.
Hauser, Peter; and Radtke, Volker, 4,814,441, Cl. 540-122.000.
Heimann, Sigismund; Vescia, Michele; Bereck, Attila; Sulz, Hermann; and Steenken, Ingrid, 4,813,971, Cl. 8-575.000.
Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; and Henkelmann, Jochem, 4,837,296, Cl. 528-125.000.
Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; Henkelmann, Jochem; Muenstedt, Helmut; and Ittemann, Peter, 4,867,912, Cl. 528-125.000.
Heinze, Juergen; and Hinkelmann, Klaus, 4,835,076, Cl. 429-213.000.
Hellwig, Gerhard; Baur, Ottmar; Feisst, Klaus; Moehwald, Helmut; and Muenstedt, Helmut, 4,803,596, Cl. 361-525.000.
Helwig, Reinhard; and Hoch, Helmut, 4,824,608, Cl. 260-355.000.
Helwig, Reinhard; and Hoch, Helmut, 4,882,095, Cl. 552-279.000.
Henkelmann, Jochem; Eggersdorfer, Manfred; Grosch, Walter; Schuhmacher, Alfred; and Siegel, Hardo, 4,853,481, Cl. 562-460.000.
Henning, Georg; Hahn, Erwin; Hauser, Peter; and Patsch, Manfred, 4,846,892, Cl. 106-478.000.
Himmele, Walter; Steiner, Gerd; Teschendorf, Hans-Juergen; and Weifenbach, Harald, 4,824,862, Cl. 514-429.000.
Himmele, Walter; Theobald, Hans; Merger, Franz; Hofmann, Ernst; Kuenast, Christoph; and Hofmeister, Peter, 4,876,275, Cl. 514-452.000.
Hirsch, Guenter; and Auhorn, Werner, 4,801,354, Cl. 162-168.100.
Hisgen, Bernd; Kock, Hans-Jakob; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,801,676, Cl. 528-170.000.
Hisgen, Bernd; and Kock, Hans-Jakob, 4,816,555, Cl. 528-176.000.
Hoelderich, Wolfgang; Schneider, Kurt; and Best, Walter, 4,804,758, Cl. 544-352.000.
Hoelderich, Wolfgang; Fischer, Rolf; Hertel, Otto; Mross, Wolf D.; and Weitz, Hans-Martin, 4,806,679, Cl. 560-262.000.
Hoelderich, Wolfgang; Goetz, Norbert; and Hupfer, Leopold, 4,812,593, Cl. 560-183.000.
Hoelderich, Wolfgang; Kroener, Michael; Kroetzsch, Peter; and Biffar, Werner, 4,859,642, Cl. 502-2.000.
Hoelderich, Wolfgang; Hupfer, Leopold; and Schneider, Kurt, 4,866,210, Cl. 568-392.000.
Hoelderich, Wolfgang; Hupfer, Leopold; and Schneider, Kurt 4,874,899, Cl. 568-386.000.
Hoelderich, Wolfgang; Schneider, Kurt; and Hupfer, Leopold, 4,885,395, Cl. 568-314.000.
Hoffmann, Gerhard; and Kurtz, Karl-Rudolf, 4,806,452, Cl. 430-306.000.
Hoffmann, Gerhard; Koch, Horst; and Schulz, Guenther, 4,849,307, Cl. 430-271.000.
Hoffrichter, Bernd; Pavelka, Bozidar; Pfefferkorn, Dietmar; Schaeffer, Norbert; and Goetz, Klaus, 4,809,928, Cl. 242-199.000.
Hofmann, Reiner; and Sanner, Axel, 4,806,449, Cl. 430-281.000.
Hofmann, Reiner; and Sanner, Axel, 4,806,450, Cl. 430-281.000.
Holoch, Jan; Guthmann, Alfred; Christoph, Hans-Juergen; and Kemper, Heinz B., 4,829,106, Cl. 523-506.000.
Holzknecht, Bernhard; Fuchs, Hugo; Hetzel, Eckhard; Wintermantel, Klaus; and Thoma, Peter, 4,795,571, Cl. 210-774.000.
Hoppe, Klaus-Dieter; Leutner, Bernd; and Schreiner, Siegfried, 4,879,102, Cl. 423-235.000.
Hub, Hans-Henning; Simon, Georg N.; Heinz, Gerhard; Ziegler, Walter; and Sadlowski, Juergen, 4,880,876, Cl. 525-67.000.
Huenig, Siegfried; Aumueller, Alexander; and Erk, Peter, 4,885,368, Cl. 544-347.000.
Hummerich, Rainer; Kerber, Michael; Maempel, Lothar; and Weyland, Peter, 4,861,826, Cl. 524-839.000.
Ittemann, Peter; and Eisenbarth, Philipp, 4,873,284, Cl. 524-548.000.
Jahn, Dieter; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Jung, Johann; and Rademacher, Wilhelm, 4,812,160, Cl. 71-88.000.
Jahn, Dieter; Rohr, Wolfgang; Becker, Rainer; and Wuerzer, Bruno, 4,844,735, Cl. 71-121.000.
Jahn, Dieter; Becker, Rainer; Goetz, Norbert; and Wuerzer, Bruno, 4,851,032, Cl. 71-94.000.
Janssen, Bernd; Karbach, Stefan; Recker, Hans-Gert; and Thyes, Marco, 4,804,785, Cl. 568-425.000.
Kaibel, Gerd; Hefner, Werner; Keller, Peter; and Drewitz, Werner, 4,859,286, Cl. 203-75.000.
Kanne, Friedrich; Mietzner, Franz G.; Pfleger, Klaus; Kurasawe, Siegfried; Boettcher, Klaus; and Arnold, Gerhard, 4,804,725, Cl. 526-68.000.
Karbach, Stefan; Schirmer, Ulrich; Rentzea, Costin; Pommer, Ernst-Heinrich; Ammermann, Eberhard; Steglich, Wolfgang; Schwalge, Barbara A. M.; and Anke, Timm, 4,822,908, Cl. 560-60.000.
Kast, Juergen; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,842,638, Cl. 71-88.000.
Keil, Michael; Schirmer, Ulrich; Kolassa, Dieter; Kast, Juergen; Rademacher, Wilhelm; and Jung, Johann, 4,820,331, Cl. 71-88.000.
Keil, Michael; Spiegler, Wolfgang; Jahn, Dieter; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,867,784, Cl. 71-98.000.
Kempe, Uwe; Dockner, Toni; Karn, Helmut; Bluemel, Thomas; Leyrer, Reinhold J.; and Loerzer, Thomas, 4,866,183, Cl. 548-336.000.
Kempter, Fritz E.; Matejcek, Franz; Neubach, Werner; and Buse, Gerd, 4,831,106, Cl. 528-227.000.
Kempter, Fritz E.; Matejcek, Franz; Neubach, Werner; and Buse, Gerd, 4,868,227, Cl. 523-222.000.
Kiener, Volker; Nonn, Guenther; Seid, Bernhard; Schewski, Gerald; and Buellmeyer, Karl, 4,871,373, Cl. 23-306.000.
Kleitz, Jean-Pierre; and Mertzeisen, Piere H. A., 4,888,134, Cl. 252-511.000.
Klimesch, Roger G.; Bleckmann, Gerhard; Farwerck, Karl-Peter; Goertz, Hans-Helmut; and Schlemmer, Lothar, 4,880,585, Cl. 264-141.000.
Koch, Horst; Bach, Helmut; and Jaeckel, Klaus-Peter, 4,869,8[illegible], Cl. 430-300.000.
Koch, Horst; and Ziegler, Walter, 4,877,715, Cl. 430-271.000.
Kock, Hans-Jakob; Winkler, Ekhard; Baur, Richard; Finkelmann, Heino; and Schafheutle, Markus, 4,801,734, Cl. 560-73.000.
Kock, Hans-Jakob, 4,831,103, Cl. 528-176.000.
Kock, Hans-Jakob; Hisgen, Bernd; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,861,858, Cl. 528-193.000.
Koehler, Hermann; Dockner, Toni; and Karn, Helmut, 4,864,0[illegible], Cl. 548-343.000.
Kolassa, Dieter; Keil, Michael; Schirmer, Ulrich; Theobald, Hans; Becker, Rainer; Wuerzer, Bruno; and Meyer, Norbert, 4,880,456, Cl. 71-88.000.
Konrad, Rainer; Funk, Guido; Schmidt-Thuemmes, Juergen; Mueller-Mall, Rudolf; and Schweier, Guenther, 4,814,308, Cl. 502-107.000.
Konrad, Rainer; Hemmerich, Rainer; Mueller-Mall, Rudolf; and Schweier, Guenther, 4,845,176, Cl. 526-105.000.
Kreuder, Willi; Neumann, Peter; Etzbach, Karl-Heinz; Sterzel, Hans-Josef; and Ringsdorf, Helmut, 4,865,762, Cl. 252-299.010.
Kroener, Michael; Schmidt, Willi; Oftring, Alfred; Proll, Theo; and Hartmann, Heinrich, 4,814,505, Cl. 564-216.000.
Kropp, Rudolf; Thyes, Marco; Schlecker, Rainer; Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Trauth, Martin; and Gries, Josef, 4,820,821, Cl. 544-224.000.
Krueger, Heinz; Lardon, Hartmut; and Patsch, Manfred, 4,798,8[illegible], Cl. 534-637.000.
Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, 4,846,994, Cl. 252-174.210.
Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, 4,846,995, Cl. 252-174.210.
Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, 4,849,126, Cl. 252-174.230.
Kummer, Rudolf; Franz, Dieter; and Rath, Hans P., 4,832,702, Cl. 44-62.000.
Lange, Arno; Wuerzer, Bruno; and Meyer, Norbert, 4,889,554, Cl. 71-118.000.
Lausberg, Dietrich; Blinne, Gerd; Ittemann, Peter; Heinz, Gerhard; Seiler, Erhard; and Knoll, Manfred, 4,798,855, Cl. 523-435.000.
Lausberg, Dietrich; Seiler, Erhard; and Braun, Hans-Georg, 4,879,324, Cl. 523-400.000.
Lehmann, Hans D.; Kretzschmar, Rolf; and Hahn, Klaus-Juergen, 4,798,811, Cl. 514-159.000.
Lendle, Hubert; Panitz, Paul; Seyfert, Wilfried; and Stopa, Peter, 4,810,798, Cl. 546-353.000.

Lenz, Bernhard; Zwintzscher, Kurt; Gruehn, Dietrich; Fehrenbach, Hubert; and Holl, Norbert, 4,822,327, Cl. 493-190.000
Lermer, Helmut; Hoelderich, Wolfgang; and Schwarzmann, Matthias, 4,822,920, Cl. 568-355.000.
Leutner, Bernd; and Reich, Hans H., 4,830,842, Cl. 423-293.000.
Leyrer, Reinhold; and Neumann, Peter, 4,883,732, Cl. 430-49.000.
Leyrer, Reinhold J.; and Neumann, Peter, 4,880,718, Cl. 430-58.000.
Loerzer, Thomas; and Leyrer, Reinhold J., 4,857,438, Cl. 430-332.000.
Lotsch, Wolfgang; and Kemper, Reinhard, 4,845,214, Cl. 544-250.000.
Lueddecke, Erik; and Horn, Dieter, 4,844,934, Cl. 426-540.000.
Luksza, Michael, 4,810,796, Cl. 546-335.000.
Mair, Gunther; and Steck, Werner, 4,810,401, Cl. 252-62.560.
Mair, Gunther, 4,810,402, Cl. 252-62.580.
Marosi, Laszlo; Stabenow, Joachim; Eger, Knut; Irgang, Matthias; and Zirker, Guenter, 4,849,395, Cl. 502-251.000.
Marosi, Laszlo, 4,859,443, Cl. 423-344.000.
Martischius, Franz-Dieter; Oppenlaender, Knut; and Vogel, Hans-Henning, 4,871,375, Cl. 44-71.000.
Marx, Matthias; Jaehme, Joachim; and Streu, Joachim, 4,845,266, Cl. 560-91.000.
Matthies, Hans G.; and Reimann, Horst, 4,818,793, Cl. 525-183.000.
Merger, Franz; and Hettinger, Peter, 4,837,357, Cl. 560-226.000.
Merger, Franz; and Towae, Freidrich, 4,851,565, Cl. 560-115.000.
Merger, Franz; Schleier, Gisbert; and Schlotterbeck, Dietrich, 4,853,454, Cl. 528-59.000.
Merger, Franz; Fischer, Rolf; and Horler, Hans, 4,873,362, Cl. 560-238.000.
Merger, Franz; Frank, Juergen; Vagi, Uwe; and Fischer, Rolf, 4,879,406, Cl. 560-211.000.
Merkle, Hans; Mueller, Albrecht; Hamprecht, Gerhard; and Reissenweber, Gernot, 4,868,308, Cl. 546-310.000.
Mesch, Walter, 4,803,281, Cl. 548-335.000.
Miederer, Peter; and Michaelis, Eberhard, 4,871,481, Cl. 552-239.000.
Muehlbach, Klaus; Portugall, Michael; Ruppmich, Karl; Seiler, Erhard; and Brandt, Hermann, 4,868,235, Cl. 524-252.000.
Mueller, Herbert, 4,803,299, Cl. 560-240.000.
Mueller, Herbert; Axel, Hartmut; and Wittwer, Arnold, 4,827,035, Cl. 564-402.000.
Mueller, Herbert; Fischer, Roman; Jeschek, Gerhard; and Schoenleben, Willibald, 4,851,580, Cl. 564-479.000.
Mueller, Herbert; Toussaint, Herbert; and Schossig, Juergen, 4,864,066, Cl. 568-861.000.
Muenstedt, Helmut, 4,869,949, Cl. 428-216.000.
Muenstedt, Helmut, 4,886,686, Cl. 428-1.000.
Naarmann, Herbert; and Theophilou, Nicolas, 4,870,147, Cl. 526-285.000.
Naeumann, Fritz; Hoelderich, Wolfgang; and Merger, Franz, 4,879,405, Cl. 560-211.000.
Neubauer, Gerald; Schnabel, Rolf; Hartig, Juergen; and Ritz, Josef, 4,814,511, Cl. 568-342.000.
Neubauer, Gerald; De Decker, Emile; Fuchs, Hugo; Holzknecht, Bernhard; and Ritz, Josef, 4,882,430, Cl. 540-540.000.
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Basile, Peter A., to Kroy Inc. Thermal transfer device and tape-ribbon cartridge therefor. 4,832,514, 5-23-89, Cl. 400-120.000.
Basile, Thomas J.; and LaPlante, Jean, to Advanced Materials Technology Corp. Alternate electrolytic/electroless-layered lid for electronics package. 4,842,961, 6-27-89, Cl. 428-672.000.
Basilico, Claudio: *See—*
  Kern, Francis G., 4,839,284, Cl. 435-68.000.
Basilowski, Herbert: *See—*
  Becker, Georg; and Basilowski, Herbert, 4,813,188, Cl. 51-288.000.
Basiulis, Algerd, to Hughes Aircraft Company. Osmotic thermal engine. 4,862,708, 9-5-89, Cl. 62-502.000.
Baskerville, Gary L.: *See—*
  Smemo, Alfred S.; Paisley, Daniel J.; and Baskerville, Gary L., 4,819,755, Cl. 180-70.100.
Baskerville, Martin W.: *See—*
  Heller, Harry G.; Oliver, Stephen N.; Whittall, John; Brettle, Jack; Trundle, Clive; and Baskerville, Martin W., 4,818,096, Cl. 351-163.000.
Baskett, Ralph E. J.: *See—*
  Grocott, Geoffrey J.; and Baskett, Ralph E. J., 4,856,937, Cl. 405-154.000.
Baskett, Theodore N. Trailer hitch guide. 4,840,392, 6-20-89, Cl. 280-477.000.
[illegible], David; and Lam, Dominic M. K., to Houston Biotechnology Incorporated. Pyrazine in prevention and treatment of strokes. 4,859,674, 8-22-89, Cl. 514-255.000.
[illegible], David, to Academy of Applied Science, Inc., The, a part interest. Method of fabricating simulated stone surfaces and improved simulated stone product. 4,877,656, 10-31-89, Cl. 428-15.000.
[illegible] Electric Company: *See—*
  Bowers, Jack R., 4,800,291, Cl. 307-87.000.
  Wilkerson, Timothy M., 4,845,594, Cl. 361-71.000.
Basly, Michel: *See—*
  Marechal, Michel; Rageot, Alain; and Basly, Michel, 4,859,258, Cl. 156-51.000.
Basmadzhyan, Simon: *See—*
  Duran, John A.; and Basmadzhyan, Simon, 4,815,908, Cl. 411-353.000.
Basnett, Robert T.: *See—*
  [illegible], James A.; Mueller, Denis A.; Basnett, Robert T.; and Engel, Joseph C., 4,833,565, Cl. 361-154.000.
[illegible], Charles W., to Lear Siegler Seymour Corp. Clothes drying [illegible] 4,828,123, 5-9-89, Cl. 211-202.000.
Basov, Emma: *See—*
  Case, Arnold A.; Lau, Frederick L.; and Basov, Emma, 4,826,455, Cl. 439-744.000.
Basquin, Jean-Luc; and Sulmont, Benoit, to Aluminium Pechiney. Process for regulating the acidity of all-Heroult electrolytic cells. 4,867,851, 9-19-89, Cl. 204-67.000.
Bass Cabinet Manufacturing, Inc.: *See—*
  Hamlin, J. Edward, 4,845,901, Cl. 51-791.000.
Bass, Eric: *See—*
  Dulin, Thomas G.; Bass, Eric; and Babyak, Richard M., 4,840,591, Cl. 441-106.000.
Bass, Joseph A.: *See—*
  Barnes, David; Bass, Joseph A.; Butler, John D.; and McKenzie, Robert H., 4,844,426, Cl. 266-219.000.
Bass, Lee S.: *See—*
  Stockinger, Michael P.; Tietema, James R.; and Bass, Lee S., 4,881,598, Cl. 166-250.000.
Bass, Michael; and Copley, Stephen M., to University of Southern California. Optical proximity apparatus and method using light sources being modulated at different frequencies. 4,888,490, 12-19-89, Cl. 250-561.000.
Bass Pro Shops, Inc.: *See—*
  Morris, John L., 4,887,377, Cl. 43-42.240.
  Morris, John L., 4,888,908, Cl. 43-42.140.
Bass Public Limited Company: *See—*
  Bamforth, Charles W.; and Cope, Roy, 4,880,643, Cl. 426-16.000.
Bass, R. Gerald: *See—*
  Hergenrother, Paul M.; Connell, John W.; and Bass, R. Gerald, 4,861,882, Cl. 544-216.000.
Bass, Robert E. Water delivery system and method. 4,821,445, 4-18-89, Cl. 43-4.500.
Bass, Robert H. Fuel cell and mold therefor. 4,842,962, 6-27-89, Cl. 429-12.000.
Bass, Ronald M., to Atlantic Richfield. Method and apparatus for generating and radiating electromagnetic energy. 4,843,401, 6-27-89, Cl. 343-701.000.
Bass, Roy S., Jr.; Bhattacharyya, Arup; and Grise, Gary D., to International Business Machines Corporation. Non-volatile memory cell having Si rich silicon nitride charge trapping layer. 4,870,470, 9-26-89, Cl. 357-23.500.
Bass, Steven C.: *See—*
  Coyle, Edward J.; Gallagher, Neal C., Jr.; Bass, Steven C.; Fitch, Joseph P.; and Harber, Ronald G., 4,868,773, Cl. 364-724.010.
Bassani Ticino, S.p.A.: *See—*
  Ballada, Romano, 4,851,950, Cl. 361-44.000.
  Fabrizi, Fabrizio; and Calderara, Ennio, 4,825,096, Cl. 307-112.000.
Basseches, Mark T.: *See—*
  Kemp, Dennis E., Jr., 4,861,319, Cl. 474-69.000.
Basseggio, Narcizo O. System of compressing miscible fluids. 4,822,259, 4-18-89, Cl. 417-426.000.
Bassemir, Robert; Krishnan, Ramasamy; and Lowell, Arthur I., to Sun Chemical Corporation. Lithographic fountain solutions. 4,854,969, 8-8-89, Cl. 106-2.000.
Basset, Dominique; Fayard, Jean-Claude; Hermant, Marc; Durual, Pierre; and Germanaud, Laurent, to Atochem. Lubricants and new polyfluorinated compounds which can be used as additives. 4,832,859, 5-23-89, Cl. 252-51.000.
Basset, Frederic: *See—*
  Billiotte, Jean-Marie; Bouin, Thierry; Basset, Frederic; Beauvois, Jacques; and Primat, Didier, 4,881,269, Cl. 382-8.000.
Basset, Jean-Marie; Leconte, Michel; Ollivier, Jean; and Quignard, Francoise, to Societe Nationale Elf Aquitaine. Polymerization of unsaturated hydrocarbons with an induction period. 4,861,848, 8-29-89, Cl. 526-169.000.
Bassett, David R.: *See—*
  Lee, Chinsoo; and Bassett, David R., 4,806,702, Cl. 585-429.000.
  Lee, Chinsoo; and Bassett, David R., 4,849,559, Cl. 570-199.000.
Bassett, Deborah K. Drapery rod assembly for architectural aperatures. 4,825,611, 5-2-89, Cl. 52-222.000.
Bassett, Earl R. Pistol rest. 4,819,359, 4-11-89, Cl. 42-94.000.
Bassett, Max. Offshore platform jacket to pile connector. 4,867,612, 9-19-89, Cl. 405-227.000.
Bassett, Max: *See—*
  Holbert, Marvin L., Jr., 4,880,257, Cl. 285-2.000.
Bassett, Robert W.; Griffin, William R.; Murphy, Susan A.; Petrovick, John G., Jr.; Varner, James R.; and Whittaker, Dennis R., to International Business Machines Corporation. Macro performance test. 4,878,209, 10-31-89, Cl. 368-113.000.
Bassett, Roger; and Negus, Terence I., to Multi-Bar Systems Ltd. Cutting tool holder adaptor. 4,861,203, 8-29-89, Cl. 409-136.000.
Bassford, Thomas H.; and Crum, James R., to Inco Alloys International, Inc. High-strength alloy for industrial vessels. 4,816,217, 3-28-89, Cl. 420-582.000.
Bassi, Aldo, to Alfa Lancia Industriale S.r.l. Bodywork for a vehicle, in particular for an automobile, and process for manufacturing it. 4,887,862, 12-19-89, Cl. 296-204.000.
Bassi, Aldo: *See—*
  Pristera, Raffaele; Rugora, Edoardo; Fioravazzi, Silvio; Guelfi, Giorgio; Bassi, Aldo; and Poli, Alberto, 4,873,451, Cl. 307-10.100.
Bassi, Angelo C.: *See—*
  Casa, Fausto; Mendichi, Raniero; and Bassi, Angelo C., 4,824,620, Cl. 264-40.100.
Bassi, Mauro; Garagnani, Enea; and Gorini, Giuseppe, to Himont Incorporated. Elastoplastic compositions and process for preparing them. 4,889,888, 12-26-89, Cl. 525-75.000.

Bassi, Pawan K.: *See*—
  Loh, William; and Bassi, Pawan K., 4,828,601, Cl. 71-78.000.
Bassill, Nicholas. Liquid dispensing valve. 4,850,387, 7-25-89, Cl. 137-212.000.
Bassinger, Grey. Floating sub. 4,844,181, 7-4-89, Cl. 175-195.000.
Bassino, Walter, to Uninorm Anstalt. Relay. 4,857,872, 8-15-89, Cl. 335-80.000.
Bassirat, Hamid R.: *See*—
  Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., 4,816,731, Cl. 318-569.000.
  Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., 4,823,061, Cl. 318-603.000.
Bassler, Helmut; Gmelin, Karl; and Ehrentraut, Heinz, to Robert Bosch GmbH. Device for retaining, supplying fuel to and providing electrical contact for electromagnetically actuatable fuel injection valves. 4,844,036, 7-4-89, Cl. 123-470.000.
Bassner, Helmut: *See*—
  Berg, Hans-Peter; and Bassner, Helmut. 4,829,784, Cl. 62-467.000.
Basso, Egidio. Light-sensitive switch structure and method with inverse off/on ratio. 4,841,164, 6-20-89, Cl. 307-117.000.
Basson, Rochford R.; Tinder, David V.; and Wooldridge, George A., to United Technologies Automotive, Inc. Method of simplifying on-line assembly of vehicular door components. 4,882,842, 11-28-89, Cl. 29-857.000.
Bassuk, Nina L.: *See*—
  Maynard, Brian K.; and Bassuk, Nina L., 4,885,868, Cl. 47-58.000.
Bast, Eleanor A.; and Thomas, Richard K., to Sunbeam Corporation. Adjustment height can opener. 4,831,735, 5-23-89, Cl. 30-433.000.
Bast, Ulrich; and Wersing, Wolfram, to Siemens Aktiengesellschaft. Method for manufacturing ceramic material having piezo-electric properties. 4,876,179, 10-24-89, Cl. 430-320.000.
Bastable, David E.; and Goldberg, Trevor I. Deep cavity binocular loupe. 4,807,987, 2-28-89, Cl. 351-205.000.
Bastetti, Giuseppe; and Veronesi, Sergio, to Barilla G.E R. F.LLI - Societa per Azioni. Method of making long-term preservation cooked pasta products ready for consumption. 4,882,191, 11-21-89, Cl. 426-557.000.
Bastgen, Wendel, to Alb. Klein GmbH & Co. KG. Dewatering device with two filtering belts. 4,879,034, 11-7-89, Cl. 210-400.000.
Bastiaansen, Cornelis W. M.; Lemstra, Pieter J.; and Van Unen, Lambert H. T., to Stamicarbon B.V. Process for producing polyethylene articles having a high tensile strength and modulus. 4,888,141, 12-19-89, Cl. 264-22.000.
Bastian, John M., to Hamilton Industries, Inc. Corner post assembly. 4,805,365, 2-21-89, Cl. 52-282.000.
Bastian, John M.; Pflieger, David C.; and Seitz, Robert F., to Hamilton Industries, Inc. Movable table with stabilizing apparatus. 4,819,569, 4-11-89, Cl. 108-113.000.
Bastian, John M.; and Brandt, Robert H., to Hamilton Industries, Inc. Clamp assembly and method for installing the assembly. 4,826,117, 5-2-89, Cl. 248-188.200.
Bastian, Thomas W.: *See*—
  Inglis, Ronald T.; Bastian, Thomas W.; and Schertz, Charles W., 4,867,357, Cl. 244-121.000.
Bastien, Eugene R.: *See*—
  Butcher, James D.; and Bastien, Eugene R., 4,867,398, Cl. 248-27.300.
Bastien, Jean-Paul: *See*—
  Boisson, Jean-Yves; and Bastien, Jean-Paul, 4,876,698, Cl. 375-25.000.
Bastijanic, Edward: *See*—
  Fry, John J.; Robertson, John W., Jr.; and Bastijanic, Edward, 4,875,000, Cl. 318-798.000.
Bastin, Danielle: *See*—
  Broze, Guy; and Bastin, Danielle, 4,797,225, Cl. 252-105.000.
  Broze, Guy; and Bastin, Danielle, 4,806,260, Cl. 252-8.800.
  Broze, Guy; and Bastin, Danielle, 4,873,012, Cl. 252-99.000.
Bastioli, Catia; Bellotti, Vittorio; and Del Giudice, Luciano, to Montefibre S.p.A. Fast-crystallizing polyester compositions. 4,886,847, 12-12-89, Cl. 524-84.000.
Bastow, Francis M.; and Hoffman, William C., to Savin Corporation. Automatic document feeder and registration system therefor. 4,809,969, 3-7-89, Cl. 271-258.000.
Basu, Rajat S.: *See*—
  Lund, Earl A. E.; Basu, Rajat S.; and Wilson, David P., 4,816,175, Cl. 252-171.000.
  Lund, Earl A. E.; Basu, Rajat S.; and Wilson, David P., 4,816,176, Cl. 252-171.000.
  Swan, Ellen L.; and Basu, Rajat S., 4,863,630, Cl. 252-171.000.
  Swan, Ellen L.; Basu, Rajat S.; Lund, Earl A. E.; and Wilson, David P., 4,873,015, Cl. 252-171.000.
Basu, Santanu; and Byer, Robert L., to Leland Stanford Junior University, The Board of Trustees of the. Fiber coupled diode pumped moving solid state laser. 4,890,289, 12-26-89, Cl. 372-33.000.
Basu, Santanu: *See*—
  Byer, Robert L.; and Basu, Santanu, 4,833,682, Cl. 372-34.000.
Basu, Swapan K.: *See*—
  Nishimura, Tetsuhiko; Basu, Swapan K.; Chida, Yukio; Oguri, Yasuo; and Inoue, Shoko, 4,882,078, Cl. 252-629.000.
Baszczuk, Christopher M.; and Quimby, Bruce A., to United Technologies Corporation. Method and apparatus for making metal powder. 4,810,288, 3-7-89, Cl. 75-0.50B.
Bat o Fangst AB: *See*—
  Jandourek, Jiri; and Nord, Dan, 4,830,750, Cl. 210-393.000.
Bata, George T.: *See*—
  Grieb, John H.; Joseph, J. M.; Weaver, Richard D.; and Bata, George T., 4,854,024, Cl. 29-156.70R.
Bata, John I.: *See*—
  Jonelis, John A.; and Bata, John I., 4,840,649, Cl. 55-140.000.
Bata Limited: *See*—
  Hamy, Norbert, 4,852,273, Cl. 36-28.000.
Bataille, Claude, to Treficable Pirelli. Thermoshrinkable tube means for controlling uniform heating thereof and process for fabricating such tube. 4,804,733, 2-14-89, Cl. 428-34.900.
Bataille Industrie, S.A.: *See*—
  Bataille, Jean, 4,846,492, Cl. 280-613.000.
  Bataille, Jean, 4,884,349, Cl. 36-119.000.
Bataille, Jean, to Bataille Industrie, S.A. Ski equipment. 4,846,49 7-11-89, Cl. 280-613.000.
Bataille, Jean, to Bataille Industrie, S.A. High boot with cabl 4,884,349, 12-5-89, Cl. 36-119.000.
Batakis, Anthony; and Shekleton, Jack R., to Sundstrand Corporation. Fuel injector for a turbine engine. 4,862,693, 9-5-89, Cl. 60-739.000.
Batakshova, Natalya D.: *See*—
  Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F.; Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Alexandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov, Mikhail I.; and Seredkin, Vladimir P., 4,827,767, Cl. 73-253.000.
Batchelder, Bruce: *See*—
  Parker, Kent; Batchelder, Bruce; and Clavette, Norman, 4,860,115, Cl. 164-47.000.
Batchelder, David N.; and Willson, Jolyon P., to STC PLC. Optical surface plasmon sensor device. 4,844,613, 7-4-89, Cl. 356-318.000.
Batchelder, J. Samuel. Method and apparatus for delivering electric currents to remote targets. 4,852,454, 8-1-89, Cl. 89-1.110.
Batchelder, James W. Overrunning clutch with grooved bushing for reception of spring coil. 4,869,357, 9-26-89, Cl. 192-41.00S.
Batchelder, Paul J.; and Brentar, Francisco X., to ITT Corporation. Intrusion beam assembly for modular vehicle door. 4,794,73[illegible], 1-3-89, Cl. 49-503.000.
Batchelder, Paul J.: *See*—
  Herringshaw, Steven D.; Szefi, Robert J.; Batchelder, Paul J.; and Brentar, Francisco X., 4,827,671, Cl. 49-503.000.
Batchelder, Scott: *See*—
  Scholz, Max; Batchelder, Scott; and Dowding, Robert, 4,827,8[illegible] Cl. 114-301.000.
Batcheller, Barry D., to J. I. Case Company. Engine-sensing and control system with multiple feedback compensation mechanism 4,846,283, 7-11-89, Cl. 172-10.000.
Batcheller, Barry D.: *See*—
  Nystuen, Paul A.; Batcheller, Barry D.; Brekkestran, Kevin L.; and Kraning, Calvin J., 4,802,545, Cl. 180-135.000.
Batcheller, Tom A.: *See*—
  Olson, A. L.; Batcheller, Tom A.; Rindfleisch, J. A.; and Morgan, John M., 4,881,574, Cl. 137-624.130.
Batchelor, Douglas R., to Libman Broom Company. Roller [illegible] sponge retainer. 4,862,550, 9-5-89, Cl 15-119.00A.
Batchelor, Jay A., to Procter & Gamble Company, The. Medicament package for increasing compliance with complex therapeutic regimens. 4,889,238, 12-26-89, Cl. 206-535.000.
Batchelor, John F.: *See*—
  Hodson, Harold F.; Batchelor, John F.; Selway, John W. T.; Vinter, Jeremy G.; and Iyer, Ramachanderan, 4,801,593, Cl. 514-307.000.
Batchelor, Paul S. Collapsible barrier for vehicular traffic. 4,880,33[illegible] 11-14-89, Cl. 404-6.000.
Batchen, David J.; and Capilli, Francesco, to D. J. Batchen Pty. Limited. L.P.G. hose breakaway coupling. 4,865,077, 9-12-89, Cl. 137-614.040.
Batdorf, Vern H., to H. B. Fuller Company. Composition for wetting and encapsulating asbestos and method of using. 4,866,105, 9-12-89, Cl. 523-103.000.
Bateman, Alan: *See*—
  Baggett, David; Bateman, Alan; and Billet, Colin T., 4,823,727, Cl. 116-272.000.
Bateman, Andrew: *See*—
  McGeehan, Joseph P.; and Bateman, Andrew, 4,802,191, Cl. 375-43.000.
Bateman, Brian, to Polytech Netting Industries. Cord cinching device. 4,887,337, 12-19-89, Cl. 24-136.00R.
Bateman, Charles D., to Sundstrand Data Control, Inc. Ground proximity warning system terrain classification system. 4,849,756, 7-18-89, Cl. 340-970.000.
Bateman, Charles D., to Sundstrand Data Control, Inc. Ground proximity warning system for an excessive descent rate over undulating terrain. 4,857,923, 8-15-89, Cl. 340-970.000.
Bateman, Donald E.; and Pa[illegible]ter, Barry L. Fire fighting ventilation system. 4,886,233, 12-12-89, Cl. 248-647.000.
Bateman, Glenn; and Brand, Donald L., to Tektronix, Inc. Digital time base with corrected analog interpolation. 4,841,497, 6-20-89, Cl. 368-113.000.
Bateman, John F.: *See*—
  Ali, Mir L.; Bateman, John F.; and Man, Ming, 4,820,76[illegible] Cl. 524-423.000.
Bateman, John H., to Ciba-Geigy Corporation. Radiation-sensitive coating composition with polyazide and polyimide and process of photo-crosslinking the coating. 4,830,953, 5-16-89, Cl. 430-197.000.
Bateman, Robert, to Lin Pac, Inc. Flexible dispenser for bags. 4,863,[illegible] 9-5-89, Cl. 248-97.000.

Bateman, Robert. Coach seat locking mechanism. 4,871,207, 10-3-89, Cl. 296-65.100.
Bateman, Robert: *See*—
  Christensen, Donald R.; Bateman, Robert; and Grancey, Thomas A., 4,885,792, Cl. 381-119.000.
Bateman, Robert H., to VG Instruments Group Limited. Mass spectrometer for positive and negative ions. 4,810,882, 3-7-89, Cl. 250-281.000.
Bateman, Steven P.: *See*—
  Korsunsky, Iosif; Bateman, Steven P.; and Schroepfer, Richard C., 4,858,309, Cl. 29-764.000.
  Korsunsky, Iosif; Foreman, Gerald L.; and Bateman, Steven P., 4,873,761, Cl. 29-741.000.
Bates, Alexander J.; Wells, John R.; Shapiro, Ronald A.; and Tenney, Richard L., to Datapaq, Ltd. Data logging device with separated data memory unit having internal power source and transducer interface unit for connection to external transducers. 4,817,049, 3-28-89, Cl. 364-900.000.
Bates, Alvin G.: *See*—
  Costlow, Raymond J.; and Bates, Alvin G., 4,868,524, Cl. 331-16.000.
Bates, Andrew; and Sujansky, Vladimir, to ICI Australian Operations Proprietary Limited. Oil-in-water explosive composition containing asphalt. 4,853,050, 8-1-89, Cl. 149-2.000.
Bates, Arthur D.: *See*—
  Newell, Chester W.; and Bates, Arthur D., 4,848,698, Cl. 242-188.000.
Bates, Aulby B., III: *See*—
  Stevenson, William H., IV; Stevenson, William H., III; and Bates, Aulby B., III, 4,838,192, Cl. 114-105.000.
Bates, Cameron: *See*—
  Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,829,569, Cl. 380-10.000.
  Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,866,770, Cl. 380-20.000.
  Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,890,319, Cl. 380-5.000.
  Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,890,321, Cl. 380-20.000.
Bates, Clayton W., Jr., to Leland Stanford Junior University, The Board of Trustees of the. Composite photosensitive material. 4,816,183, 3-28-89, Cl. 252-501.100.
Bates, H. Richard, personal representative: *See*—
  Littleford, Phillip O., deceased; and Bates, H. Richard, personal representative, 4,834,093, Cl. 128-303.100.
Bates, Harry L. Decongestant. 4,826,683, 5-2-89, Cl. 424-641.000.
Bates, Howard M., to CALPAC Incorporated. Folding corrugated board carton. 4,874,125, 10-17-89, Cl. 229-132.000.
Bates, Jack R., to United States of America, Navy. Inflatable fuel tank buffer. 4,886,225, 12-12-89, Cl. 244-135.00R.
Bates, James C.: *See*—
  McLean, Ralph M., Jr.; and Bates, James C., 4,796,538, Cl. 105-377.000.
Bates, Joe B. Receiving blanket with side sleeves. 4,817,836, 4-4-89, Cl. 224-158.000.
Bates, Joseph A.; Koontz, James M., Jr.; and Garner, John D., to General Motors Corporation. Bumper supporting energy absorber with match line adjuster. 4,830,417, 5-16-89, Cl. 293-134.000.
Bates, Julianne: *See*—
  Natalie, Charles A.; Bates, Julianne; and Vukasovich, Mark S., 4,846,898, Cl. 428-469.000.
Bates, Kenneth W., to Injectall Limited. Apparatus for injecting substances into liquids. 4,802,655, 2-7-89, Cl. 266-218.000.
Bates, Mitchell G. Hidden hook artificial lure. 4,873,781, 10-17-89, Cl. 43-35.000.
Bates, Nigel R.: *See*—
  Winfield, Philip R.; and Bates, Nigel R., 4,865,892, Cl. 428-34.900.
Bates, Reginald A., to AMP Incorporated. Insulative covering for undercarpet power cable splice. 4,864,081, 9-5-89, Cl. 174-88.00R.
Bates, Robert N., to U.S. Philips Corporation. RF circuit arrangement. 4,857,935, 8-15-89, Cl. 342-128.000.
Bates, Roy C.: *See*—
  Witt, Robert L.; Barrett, Stephen P.; Ungchusri, Tep; and Bates, Roy C., 4,867,483, Cl. 285-23.000.
Bates, Terence W., to Shell Oil Company. Journal bearing simulator. 4,854,159, 8-8-89, Cl. 73-64.000.
Bates, Trevor; Smith, Graham; and Fulks, Gary C., to Delco Products Overseas Corporation. Centralized door locking system. 4,805,427, 2-21-89, Cl. 70-264.000.
Bates, Victor T.; and Pokross, Charles, to Fansteel Inc. Fine grained embrittlement resistant tantalum wire. 4,859,257, 8-22-89, Cl. 148-422.000.
Bateson, George: *See*—
  Morris, Charles; and Bateson, George, 4,800,097, Cl. 426-632.000.
Batesville Casket Company, Inc.: *See*—
  Ernst, John; and Laphan, Dennis C., 4,881,306, Cl. 27-12.000.
  Rojdev, Iliji, 4,868,957, Cl. 27-17.000.
Batey, John E.; and Brzezowski, Edward H. Boiler optimization for multiple boiler heating plants. 4,864,972, 9-[illegible]-89, Cl. 122-448.00B.
Bath, Colin: *See*—
  Trotoir, Jean-Paul; and Bath, Colin, 4,829,114, Cl. 524-243.000.
Bathija, Pramod; Ohrlein, Manfred; Rau, Peter; and Weber, Eduard, to Siemens Aktiengesellschaft. Hydraulic control for rod drive for water-cooled nuclear reactors, especially heating reactors. 4,826,649, 5-2-89, Cl. 376-230.000.
Bather, John M., to Analytical Security Systems Limited. Method and apparatus for detecting dangerous substances. 4,820,920, 4-11-89, Cl. 250-282.000.
Bather, Wolfgang, to Dragerwerk Aktiengesellschaft. Colorimetric detector. 4,844,867, 7-4-89, Cl. 422-60.000.
Bathon, Thomas: *See*—
  Wirz, Peter; Pfannekuche, Heinz-Wilhelm; Bathon, Thomas; and Eckert, Karl, 4,869,802, Cl. 204-298.000.
Batistic, Ivica: *See*—
  Steffes, Helmut; Ocvirk, Norbert; Buschmann, Gunther; David, Anton; Graeber, Johannes; Determann, Otto; and Batistic, Ivica, 4,824,182, Cl. 303-92.000.
Batlle, Alain: *See*—
  Contartese, Giulio; and Batlle, Alain, 4,862,057, Cl. 323-285.000.
Batllo, Francois: *See*—
  Freund, Friedemann; and Batllo, Francois, 4,884,031, Cl. 324-459.000.
Batllteu, Francois: *See*—
  Pierre, Andre; Batllteu, Francois; Brosselard, Jean-Pierre; Permuy, Alfred; Pirot, Francois-Xavier; and Spirkovitch, Serge, 4,873,868, Cl. 73-517.00R.
Batman, Eric S.: *See*—
  King, Jeffrey F.; Matthews, Charles W.; and Batman, Eric S., 4,870,216, Cl. 568-789.000.
Batman, James M.: *See*—
  Binnersley, Edward K.; and Batman, James M., 4,816,327, Cl. 428-225.000.
Bator, Feliks; Hunter, Kevin D.; and Durst, Robert T., Jr., to Pitney Bowes Inc. Weighing scale with voice coil. 4,802,541, 2-7-89, Cl. 177-212.000.
Batori, Sandor; Hajos, Gyorgy; Messmer, Andras; Benko, Pal; Pallos, Laszlo; Petocz, Lujza; Grasser, Katalin; Kosoczky, Ibolya; and Szirt nee Kiszelly, Eniko , to EGIS Gyogyszergyar. Process for the preparation of condensed as triazine derivatives. 4,871,846, 10-3-89, Cl. 544-183.000.
Batra, Pran, deceased; and by Batra, Shanta, legal representative. Correction fluid pen. 4,812,071, 3-14-89, Cl. 401-264.000.
Batra, Prem N.: *See*—
  Jones, Marshall G.; and Batra, Prem N., 4,877,175, Cl. 228-102.000.
Batra, Shanta, legal representative: *See*—
  Batra, Pran, deceased; and Batra, Shanta, legal representative, 4,812,071, Cl. 401-264.000.
Batrack, George A.; and Batrack, Gwendolyn C. Cutting tool for mats and the like. 4,866,847, 9-19-89, Cl. 30-293.000.
Batrack, Gwendolyn C.: *See*—
  Batrack, George A.; and Batrack, Gwendolyn C., 4,866,847, Cl. 30-293.000.
Batson, Brian; and Diehm, Brian D., to Tektronix, Inc. Touchscreen feedback system. 4,821,030, 4-11-89, Cl. 340-712.000.
Batson, Brian E., to Tektronix, Inc. Equivalent time waveform data display. 4,809,189, 2-28-89, Cl. 364-487.000.
Batson, Edward E.; and Kurz, John H., to WMF Container Corporation. Method for scoring rigid plastic sheet material. 4,818,461, 4-4-89, Cl. 264-325.000.
Batson, Edward E.; and Kurz, John H., to WMF Container Corporation. Plastic closure with score lines. 4,828,137, 5-9-89, Cl. 220-270.000.
Batson, Edward E.; and Kurz, John H., to WMF Container Corporation. Apparatus for scoring rigid plastic sheet material. 4,877,391, 10-31-89, Cl. 425-289.000.
Batt, Douglas G., to Du Pont de Nemours, E. I., and Company. 2-substituted-1-naphthols, pharmaceutical compositions of, and their use as 5-lipoxygenase inhibitors. 4,833,164, 5-23-89, Cl. 514-647.000.
Batt, Douglas G.; Greenberg, Richard S.; and Harris, Richard R., to Du Pont de Nemours, E. I., and Company. Antiinflammatory carbinoloimidazoles. 4,859,693, 8-22-89, Cl. 514-397.000.
Battaglia, Charles R. Antiglare coating. 4,806,583, 2-21-89, Cl. 524-315.000.
Battaglia, Gino C. Lightweight stone furniture. 4,822,661, 4-18-89, Cl. 428-116.000.
Battaglia, John M. Machine for making ravioli having an improved fill mechanism. 4,848,218, 7-18-89, Cl. 99-450.700.
Battaglin, George, to Bolt-Krete Industries Inc. Central heating system vent guard. 4,829,886, 5-16-89, Cl. 98-103.000.
Battail, Gerard. Process for the decoding of a convolutional code and corresponding decoder. 4,811,346, 3-7-89, Cl. 371-43.000.
Battarel, Claude. Radiation interruption keyboard. 4,860,008, 8-22-89, Cl. 341-31.000.
Battegazzore, Piero, to Guala S.p.A. Dispenser of paste-like products, in particular toothpaste. 4,821,926, 4-18-89, Cl. 222-209.000.
Battegazzore, Piero, to Angelo Guala S.p.A. Pilfer-proof closure for liqueur bottles and the like. 4,830,207, 5-16-89, Cl. 215-252.000.
Battelle Development Corporation: *See*—
  Bartlett, Edwin S., 4,819,712, Cl. 164-463.000.
  Bartlett, Edwin S.; and McCall, James L., 4,842,042, Cl. 164-463.000.
  Bartlett, Edwin S.; Maringer, Robert E.; and Rayment, Judith J., 4,865,117, Cl. 164-479.000.
  Benton, Ben F.; and Gardner, David L., 4,876,094, Cl. 424-491.000.
  Bibler, James R.; and Gleixner, Richard A., 4,842,040, Cl. 164-429.000.
  Feldmann, Herman F.; and Paisley, Mark A., 4,828,581, Cl. 48-197.00R.

Frazier, Marvin E.; Mallavia, Louis P.; Baca, Oswald G.; and Samuel, James E., 4,876,186, Cl. 435-6.000.

Ingalls, John P.; Maringer, Robert E.; and Wood, Ray D., 4,799,536, Cl. 164-479.000.

Lee, Siu-Leung, 4,874,520, Cl. 210-635.000.

Manahan, Michael P., Sr., 4,864,867, Cl. 73-851.000.

Battelle-Institut e.V.: *See—*

Endemann, Martin; and Hoeffgen, Hansjuergen, 4,823,351, Cl. 372-20.000.

Foller, Dieter; and Tews, Jurgen, 4,842,913, Cl. 428-71.000.

Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,805,465, Cl. 73-862.340.

Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,811,238, Cl. 364-508.000.

Grunthaler, Karl-Heinz; Langbein, Dieter; Nilmen, Fehmi; and Winter, Heinrich, 4,818,283, Cl. 75-247.000.

Lierke, Ernst-Gunter; Grossbach, Rudolf; Heide, Wolfgang; Flogel, Karl; and Junger, Martin, 4,798,332, Cl. 239-102.200.

Schmalfuss, Harald; Sinsel, Friedel; and Bolz, Reinhold, 4,815,844, Cl. 356-237.000.

Schmalfuss, Harald; Sinsel, Friedel; and Bolz, Reinhold, 4,822,165, Cl. 356-239.000.

Schmalfuss, Harald; Kurpiella, Hubert; and Schneider, Bernhard, 4,841,139, Cl. 250-223.00R.

Battelle Memorial Institute: *See—*

Alexander, Carl A.; Ogden, Julius S.; and Severance, Richard A., 4,845,364, Cl. 250-423.00R.

Anderson, Kevin W.; and Cialone, Henry J., 4,830,828, Cl. 422-7.000.

Bartilson, Benjamin M.; Kok, Kenneth D.; and Pettenski, Thomas A., 4,848,165, Cl. 73-864.710.

Bechet, Louis, 4,800,240, Cl. 178-18.000.

Bechet, Louis, 4,809,195, Cl. 364-518.000.

Bichon, Daniel; and Lamy, Bernard, 4,888,398, Cl. 525-420.000.

Boiarski, Anthony A.; and Myers, William M., 4,878,727, Cl. 350-96.170.

Brenden, Byron B.; and Peters, Timothy J., 4,808,001, Cl. 356-394.000.

Conkle, H. Nicholas, 4,861,354, Cl. 55-96.000.

Correy, Thomas B., 4,829,153, Cl. 219-130.400.

Debsikdar, Jagadish, 4,830,879, Cl. 427-162.000.

Dvorsky, James E., 4,811,594, Cl. 73-105.000.

Dvorsky, James E., 4,869,101, Cl. 73-159.000.

Easter, David A.; Hackman, Donald J.; Dick, William R.; and Reidy, John J., 4,869,136, Cl. 81-55.000.

Giddey, Claude; and Dove, Georges, 4,849,240, Cl. 426 564.000.

Giddey, Claude; and Bunter, Guy, 4,882,181, Cl. 426-74.000.

Gonzales-Oliver, Carlos, 4,851,023, Cl. 65-3.140.

Gordon, Norman R.; King, Lloyd L.; Jackson, Peter O.; and Zulich, Alan W., 4,848,167, Cl. 73-864.710.

Jensen, George A.; Nelson, David A.; and Molton, Peter M., 4,889,660, Cl. 252-646.000.

Marschman, Steven C.; and Davis, Norman C., 4,871,437, Cl. 204-291.000.

Marschman, Steven C.; and Davis, Norman C., 4,871,438, Cl. 204-291.000.

McGinniss, Vincent D.; and Preston, Joseph R., 4,877,988, Cl. 310-306.000.

Melling, Peter J.; Mutsuddy, Beebhas C.; and Sekercioglu, Ibrahim, 4,806,330, Cl. 423-412.000.

Mersereau, Keith O., 4,809,340, Cl. 382-1.000.

Mudge, Lyle K.; Brown, Michael D.; Wilcox, Wayne A.; and Baker, Eddie G., 4,865,625, Cl. 48-197.00R.

Muralidhara, Harapanahalli S.; and Criner, Cecil L., 4,802,964, Cl. 204-180.100.

Nagabhusan, Senapati; House, Larry J.; Beard, Ralph E.; and Myers, John R., 4,832,532, Cl. 405-185.000.

Pederson, Larry R.; Chick, Lawrence A.; and Exarhos, Gregory J., 4,880,772, Cl. 505-1.000.

Prince, James M.; Dodson, Michael G.; and Lechelt, Wayne M., 4,849,693, Cl. 324-225.000.

Richon, Dominique; De Pous, Olivier; and Fontaine, Pierre, 4,855,262, Cl. 501-92.000.

Richon, Dominique; De Pous, Olivier; and Fontaine, Pierre, 4,888,310, Cl. 501-92.000.

Schneider, Michel; Guillot, Christian; and Lamy, Bernard, 4,824,578, Cl. 210-674.000.

Schneider, William R., 4,885,009, Cl. 55-96.000.

Smith, Richard D.; and Olivares, Jose A., 4,842,701, Cl. 204-180.100.

Smith, Richard P.; Udseth, Harold R.; and Olivares, Jose A., 4,885,076, Cl. 204-299.00R.

Williford, Ralph E., 4,860,589, Cl. 73-799.000.

Batten, Charlie A. Boat carrier. 4,830,387, 5-16-89, Cl. 280-47.331.

Batten, Ronald W., to Hi-Shear Corporation. Free spinning, self-locking threaded fastener, and method and tool for setting it. 4,823,653, 4-25-89, Cl. 81-468.000.

Batten, Ronald W. Hand wrenching tool. 4,854,198, 8-8-89, Cl. 81-98.000.

Batten, Ronald W., to V.S.I. Corporation. Collet type fastener removal tool. 4,862,773, 9-5-89, Cl. 81-55.000.

Batten, Ronald W. Releasable high torque fastener. 4,875,266, 10-24-89, Cl. 29-263.000.

Battenfeld Fischer Blasformtechnik GmbH: *See—*

Langecker, Gunter, 4,883,630, Cl. 264-513.000.

Wollschlager, Dieter; and Scharrenbroich, Helmut, 4,878,828, Cl. 425-541.000.

Wortberg, Johannes; Junk, Paul B.; and Franke, Harry, 4,889,477, Cl. 425-133.100.

Battenfeld GmbH: *See—*

Groll, Herbert, 4,810,182, Cl. 425-190.000.

Langecker, Gunter, 4,849,143, Cl. 264-40.100.

Battenfeld, Kurt, to WEZAG GmbH Werkzeugfabrik. Crimper for crimping cable terminals, cable connectors, and similar materials to electric conductors, optical conductors, etc. 4,794,780, 1-3-89, Cl. 72-410.000.

Battenfeld Maschinenfabriken GmbH: *See—*

Feist, Norbert, 4,886,643, Cl. 422-133.000.

Batterman, Eric P.: *See—*

Chandler, Donald G.; Batterman, Eric P.; and Shah, Govind, 4,874,936, Cl. 235-494.000.

Battersby, Gary, to Toski, Robert J., a part interest. Golf instruction apparatus and method. 4,869,510, 9-26-89, Cl. 273-186.00R.

Battery Engineering Inc.: *See—*

Schlaikjer, Carl R., 4,849,310, Cl. 429-105.000.

Batteux, Jacques; and Sharonizadeh, Ahmad, to Societe Nationale ELF Aquitaine. Process and device for deacidification of a gas containing H_2S and/or CO_2 and mercaptans. 4,853,012, 8-1-89, Cl. 55-44.000.

Batteux, Pierre; and Nereau, Jean-Pierre, to Merlin Gerin. High pressure arc extinguishing chamber. 4,883,931, 11-28-89, Cl. 200-148.00R.

Battey, Paul K.; Hope, Peter; and Sharma, Ashutosh H., to Akzona Incorporated. Rubber stabilizers derived from N-phenyl-p-phenylenediamine. 4,855,346, 8-8-89, Cl. 524-217.000.

Battifora, Hector A., to City of Hope. Multi-specimen tissue blocks and slides. 4,820,504, 4-11-89, Cl. 424-3.000.

Battista, Joseph P.: *See—*

Duncan, Howard C., IV; Gray, R. William; and Battista, Joseph P., 4,797,855, Cl. 364-900.000.

Battista, Richard A.; Bennett, James G., Jr.; Kokoszka, John J.; and Tungate, Freddie L., to General Electric Company. Magnesium-containing catalyst activated under vacuum, in nitrogen, or in air, and use in an ortho-alkylation process. 4,851,591, 7-25-89, Cl. 568-804.000.

Battistella, Guido, to Stal Samifi S.P.A. "Device for spacing apart, at desired distances, the refrigerating plates, in horizontal plate freezers". 4,841,881, 6-27-89, Cl. 108-91.000.

Battisti, Thomas T., to General Binding Corporation. Document support apparatus for thermal binding. 4,818,168, 4-4-89, Cl. 412-37.000.

Battisti, Thomas T., to General Binding Corporation. Binder slide failure prevention system. 4,820,099, 4-11-89, Cl. 412-37.000.

Battles, Donald R.: *See—*

Lucast, Donald H.; Battles, Donald R.; and Kantner, Steven S., 4,871,812, Cl. 525-186.000.

Battles, Laurence, to Marvin Lumber and Cedar Company. Window grid latch. 4,838,001, 6-13-89, Cl. 52-456.000.

Battles, Willis R. Automatic action toy glider-kite string flyer. 4,805,853, 2-21-89, Cl. 244-155.00R.

Battmann, Jean-Claude; Brochard, Gerard; Charamnac, Jean-Marc; Finas, Roland; and Pietri, Vincent, to ELF France. Method of transmission of information or measurement data and device for using the method. 4,864,603, 9-5-89, Cl. 379-106.000.

Battocchi, Silvio R. Knife sharpening device. 4,799,335, 1-24-89, Cl. 51-102.000.

Battrell, Charles F.: *See—*

Lyons, Julie W.; Battrell, Charles F.; Ouellette, William R.; and Curro, John J., 4,846,821, Cl. 604-369.000.

Batts, Graham W., to White Consolidated Industries, Inc. Selective magnetic lifting system. 4,801,911, 1-31-89, Cl. 335-289.000.

Batts, Inc.: *See—*

Blanchard, Russell O., 4,807,334, Cl. 24-487.000.

Blanchard, Russell O.; and Hansen, James G., 4,871,097, Cl. 223-85.000.

Blanchard, Russell O., 4,881,836, Cl. 40-322.000.

Blanchard, Russell O., 4,884,727, Cl. 223-93.000.

Blanchard, Russell O., 4,886,195, Cl. 223-85.000.

Bredeweg, Robert A.; and Blanchard, Russell O., 4,871,098, Cl. 223-85.000.

Duester, Everett; and Blanchard, Russell O., 4,826,056, Cl. 223-96.000.

Morgan, Donald F., 4,889,265, Cl. 223-96.000.

Battson, R. Kenneth; and Masopust, John E., Jr. Refrigeration control system. 4,807,443, 2-28-89, Cl. 62-65.000.

Batty, Alan K.: *See—*

Moller, Ronald H.; and Batty, Alan K., 4,875,657, Cl. 249-86.000.

Batty, William, to AMP Incorporated. Modular electrical connector assembly. 4,820,204, 4-11-89, Cl. 439-681.000.

Baty, David L.; Young, William C.; and Lewis, David E., to Babcock & Wilcox Company, The. Ion implantation of zirconium alloys with hafnium. 4,849,082, 7-18-89, Cl. 204-192.310.

Batz, Hans-Georg; and Wulff, Karl, to Boehringer Mannheim GmbH. Process for the preparation of luciferin compounds. 4,826,989, 5-2-89, Cl. 548-169.000.

Batz, Hans-Georg; Herrmann, Rupert; Topfmeier, Fritz; and Schlumberger, Helmut, to Boehringer Mannheim GmbH. Use of aniline derivates as coupling components in oxidative color formation reactions. 4,845,030, 7-4-89, Cl. 435-28.000.

Batz, Hans-Georg: *See—*

Neumann, Ulrich; Junius, Martina; and Batz, Hans-Georg, 4,847,376, Cl. 544-102.000.

Batz, James E.; Martell, Dennis J.; and Overmyer, Steven A., to Northern Illinois Gas Company. Data transmission system with data verification. 4,839,642, 6-13-89, Cl. 340-825.540.

Batzar, Kenneth. Method of making a rice cooker. 4,818,350, 4-4-89, Cl. 204-29.000.

Batzar, Kenneth, to Du Pont de Nemours, E. I., and Company. Coated cookware. 4,853,278, 8-1-89, Cl. 428-213.000.

Batzer, John L.; and Kneib, Kristine N., to ITT Defense Communications, a division of ITT Corporation. Apparatus and methods of locking a receiving modem to a transmitting modem employing a burst signal. 4,856,030, 8-8-89, Cl. 375-106.000.

Batzer, Thomas H.; and Call, Wayne R., to University of California, The Regents of the. Radial pressure flange seal. 4,799,692, 1-24-89, Cl. 277-34.000.

Batzill, Wolfgang; Heilmann, Ulrich; Streitberger, Hans J.; Guder, Harald; and Beck, Fritz, to BASF Lacke & Farben Aktiengesellschaft. Electrophoretically overcoatable coatings applied by electrocoating. 4,882,090, 11-21-89, Cl. 252-511.000.

Batzill, Wolfgang: *See—*

Geist, Michael; Ott, Gunther; Schon, Georg; Dobbelstein, Arnold; and Batzill, Wolfgang, 4,818,356, Cl. 204-181.100.

Batzl, Christine: *See—*

Hartmann, Rolf W.; and Batzl, Christine, 4,839,370, Cl. 514-328.000.

Batzlaff, Richard L.: *See—*

Newkirk, Raymond K.; and Batzlaff, Richard L., 4,872,935, Cl. 156-250.000.

Bau, Hui: *See—*

Chang, Stanley S.; Jones, Robert E.; and Bau, Hui, 4,797,995, Cl. 29-825.000.

Chang, Stanley S.; Ybarra-Rojas, Amilcar B.; and Bau, Hui, 4,845,510, Cl. 343-880.000.

Baubles, Richard C., to Jacobson Mfg. Co., Inc. Wire-wrap connector. 4,880,400, 11-14-89, Cl. 439-722.000.

Bauch, Hartmut; Krause, Peter; Jost, Ulrike; Kersten, Ralf; Paquet, Volker; and Siefert, Wolfgang, to Schott Glaswerke. Method for the manufacture of a light wave guide. 4,859,222, 8-22-89, Cl. 65-3.120.

Bauch, Helmut; Kleber, Wolfgang; and Auerbach, Dieter, to VEB Infrarot-Anlagen Oranienburg. Apparatus for the electro-kinetic charring of powdered materials. 4,798,338, 1-17-89, Cl. 239-692.000.

Bauch, Wolf-Dieter; Gervelmeyer, Rolf; and Merker, Heinrich B., to U.S. Philips Corporation. Electric incandescent lamp for series arrangement having an electrically conductive vitreous body connecting oxide coated current-supply conductors. 4,808,885, 2-28-89, Cl. 315-122.000.

Baucom, Terry L.: *See—*

Volk, Andrew M.; Baucom, Terry L.; and Van Brunt, Roger, 4,819,081, Cl. 328-134.000.

Volk, Andrew M.; Baucom, Terry L.; and Brunt, Roger V., 4,829,258, Cl. 328-155.000.

Baucom, Walter H., to Datamain 2000, Inc. Device for holding cups, cans, and similar articles in vehicles. 4,877,164, 10-31-89, Cl. 224-42.40.

udenbacher, Christian, to Visita MTC Ltd. Movement-controlled locking mechanism, particularly for movable support tables or platforms. 4,860,668, 8-29-89, Cl. 108-144.000.

uder, Albrecht: *See—*

Schiel, Christian; and Bauder, Albrecht, 4,796,525, Cl. 100-93.0RP.

udier, Philippe; De Boeck, Arthur; and Fossion, Jacques, to Pharlyse Societe Anonyme. Galenic forms of prolonged release verapamil and medicaments containing them. 4,832,958, 5-23-89, Cl. 424-473.000.

udier, Philippe; De Boeck, Arthur; and Fossion, Jacques, to Pharlyse Societe Anonyme. Novel galenic forms of verapamil, their preparation and medicines containing said novel galenic forms. 4,859,469, 8-22-89, Cl. 424-462.000.

udin, Joianne; and Gonzenbach, Hans U., to Givaudan Corporation. Process for the manufacture of benzene derivatives. 4,804,776, 2-14-89, Cl. 560-51.000.

udin, Pol, to Glaverbel. Process of bending thermoplastics sheets and manufacturing laminated light transmitting panels. 4,842,664, 6-27-89, Cl. 156-102.000.

dino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., to Medtronic, Inc. Oxygen sensing pacemaker. 4,807,629, 2-28-89, Cl. 128-419.0PG.

dino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., to Medtronic, Inc. Oxygen sensing pacemaker. 4,813,421, 3-21-89, Cl. 128-633.000.

don nee Chardon, Sylvie: *See—*

aldric, Bernard; Benedi, Gregorio; and Baudon nee Chardon, Sylvie, 4,854,141, Cl. 70-182.000.

donnel, Jacques: *See—*

Wertz, Jean-Luc; and Baudonnel, Jacques, 4,856,134, Cl. 15-104.930.

dry, Jacques; and Proudhon, Gerard, to Videocolor. Device for correcting the deflection effect due to a variation of the focusing voltage in a trichromatic cathode ray tube with in line cathodes. 4,812,706, 3-14-89, Cl. 313-414.000.

er, A. William: *See—*

Gibb, Allan W. M.; Gartner, Hans R.; Bauer, A. William; and Chadwick, Dennis P., 4,856,430, Cl. 102-307.000.

er, Alajos Z.; and Verespej, Michael A., to Burndy Corporation. Apparatus and method for installing electrical connectors on flat conductor cable. 4,831,722, 5-23-89, Cl. 29-751.000.

er, Alfred, to Braun Aktiengesellschaft. Direct current adjusting device. 4,829,218, 5-9-89, Cl. 388-811.000.

Bauer, Alfred: *See—*

Frantz, Leo R.; Bauer, Alfred; Koran, Matthew H.; and Becker, Jack, 4,876,416, Cl. 200-11.00R.

Bauer, Arthur L., Jr.: *See—*

Pease, William M.; and Bauer, Arthur L., Jr., 4,833,475, Cl. 342-185.000.

Bauer, Barney J.; and Buehler, William E., to Dura Automotive Hardware Division of Wickes Manufacturing Company. Flush window regulator. 4,819,377, 4-11-89, Cl. 49-221.000.

Bauer, Barney J.: *See—*

Higbee, Wallace C.; and Bauer, Barney J., 4,840,324, Cl. 242-107.600.

Bauer, Barr E.: *See—*

Czarniecki, Michael F.; and Bauer, Barr E., 4,857,301, Cl. 424-40.000.

Bauer, Bernhard; and Dobhan, Herbert, to SKF GmbH. Seal for bearing bushings. 4,806,026, 2-21-89, Cl. 384-486.000.

Bauer, Bernhard; and Dobhan, Herbert. Bearing bushing for universal joint pins. 4,875,787, 10-24-89, Cl. 384-548.000.

Bauer, Bernhard: *See—*

Hafner, Gunther; Noreikat, Karl-Ernst; and Bauer, Bernhard, 4,829,962, Cl. 123-425.000.

Bauer, Bruce S.; Dubrul, William R.; and Allen, Tor E., to McGhan Medical Corporation. Concave gase tissue expander. 4,841,948, 6-27-89, Cl. 128-897.000.

Bauer, Carla M.: *See—*

Lazarus, Richard M.; Bell, Kenneth L.; and Bauer, Carla M., 4,808,513, Cl. 430-331.000.

Bauer, Dennis P.: *See—*

Laurenzo, Kathleen S.; and Bauer, Dennis P., 4,889,954, Cl. 564-298.000.

Bauer, Eran N.; and Bauer, Gerard M. Riot shield. 4,843,947, 7-4-89, Cl. 89-36.050.

Bauer, Frank I.; Mavretish, Robert S.; Shogan, Regis P.; and Sejvar, James, to Westinghouse Electric Corp. Temporary hot cell and related method for handling high radiation level sources. 4,876,593, 10-24-89, Cl. 358-100.000.

Bauer, Friedrich, to ENFO Grundlagenforschungs AG. Plate valve. 4,854,341, 8-8-89, Cl. 137-514.000.

Bauer, Fritz E.: *See—*

Nechay, Jack A.; Bauer, Fritz E.; Danti, Bernard R.; and Lukkarinen, Mark, 4,832,783, Cl. 156-448.000.

Bauer, George W.; and Sokira, Thomas J., to Anton/Bauer, Inc. Battery charging system. 4,849,682, 7-18-89, Cl. 320-15.000.

Bauer, Gerard M.: *See—*

Bauer, Eran N.; and Bauer, Gerard M., 4,843,947, Cl. 89-36.050.

Bauer, Gerd H.; Gorisch, Armin; Hartmuller, Herbert; Meyer, Gerhard; Nicklas, Alexander; Prokasky, Detlef; and Schill, Jurgen, to Klein, Schanzlin & Becker Aktiengesellschaft. Casing for fluid flow machines. 4,799,857, 1-24-89, Cl. 415-185.000.

Bauer, Gerd H.; Feldle, Gunter; Hartmuller, Herbert; Luhn, Ernst; Nicklas, Alexander; and Schuster, Oliver, to Klein, Schanzlin & Becker Aktiengesellschaft. Elbow casing for fluid flow machines. 4,828,457, 5-9-89, Cl. 415-182.100.

Bauer, Gunther, to Hoechst Aktiengesellschaft. False twisted bulky multifilament yarn, method of making and end use of this yarn. 4,845,934, 7-11-89, Cl. 57-747.000.

Bauer, Hans J.; Bauer, Hans-Peter; and Stadelmann, Ludwig, to Fritz Bauer and Sohne oHG. Double-damped gas spring with friction liner and sealing ring. 4,881,723, 11-21-89, Cl. 267-64.120.

Bauer, Hans J.: *See—*

Bauer, Hans-Peter; Bauer, Hans J.; Stadelmann, Ludwig; and Frisch, Emil, 4,796,871, Cl. 267-64.110.

Bauer, Hans-Peter; Bauer, Hans J.; and Gebhardt, Adolf, 4,844,392, Cl. 248-162.100.

Bauer, Hans-Peter; and Bauer, Hans J., 4,852,862, Cl. 267-120.000.

Bauer, Hans-Peter; and Bauer, Hans J., 4,877,115, Cl. 188-322.150.

Bauer, Hans-Peter; Bauer, Hans J.; Stadelmann, Ludwig; and Frisch, Emil, to Fritz Bauer and Sohne oHG. Gas spring with end position damping. 4,796,871, 1-10-89, Cl. 267-64.110.

Bauer, Hans-Peter; Bauer, Hans J.; and Gebhardt, Adolf, to Fritz Bauer and Sohne oHG. Gas spring adjustable in length for vertically adjustable chairs, tables and the like. 4,844,392, 7-4-89, Cl. 248-162.100.

Bauer, Hans-Peter; and Bauer, Hans J., to Fritz Bauer and Sohne oHG. Fluid-filled piston-cylinder unit. 4,852,862, 8-1-89, Cl. 267-120.000.

Bauer, Hans-Peter; and Bauer, Hans J., to Fritz Bauer and Sohne oHG. Piston for a piston-cylinder unit. 4,877,115, 10-31-89, Cl. 188-322.150.

Bauer, Hans-Peter: *See—*

Bauer, Hans J.; Bauer, Hans-Peter; and Stadelmann, Ludwig, 4,881,723, Cl. 267-64.120.

Bauer, Harald, to Robert Bosch GmbH. Circuit arrangement for the addition, storage and reproduction of electric counting pulses. 4,807,264, 2-21-89, Cl. 377-24.100.

Bauer, Harald: *See—*

Schimmel, Johannes; Bauer, Harald; Burian, Gunther; Hulla, Heinz; Kagerer, Robert; and Kubin, Helmut, 4,885,690, Cl. 364-424.100.

Bauer, Heike: *See—*

Kowatsch, Ulrich; and Bauer, Heike, 4,889,359, Cl. 280-629.000.

Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Gedig, Alfred; Klink, Josef; and Koucky, Antonin, to C. Rob. Hammerstein GmbH; and Daimler-Benz Aktiengesellschaft. Self-locking revolute joint, adjustable to an angle by moving an activation lever back and forth. 4,805,481, 2-21-89, Cl. 74-528.000.

Bauer, Heinz; and Piening, Jens, to Bauer-Kompressoren Heinz Bauer. Filter unit with apparatus for determining the saturation of a drying cartridge. 4,828,589, 5-9-89, Cl. 55-217.000.
Bauer, Heinz, to Linde Aktiengesellschaft. Process and apparatus for separation of a gaseous mixture. 4,888,035, 12-19-89, Cl. 62-20.000.
Bauer, Hermann: *See—*
Rudiger, Eckhart; and Bauer, Hermann, 4,825,750, Cl. 91-376.00R.
Bauer, James A.; Mueller, Denis A.; Basnett, Robert T.; and Engel, Joseph C., to Westinghouse Electric Corp. Electromagnetic contactor with algorithm controlled closing system. 4,833,565, 5-23-89, Cl. 361-154.000.
Bauer, Jean-Michel; Bontems, Maurice; Desmicht, Denis; Maire, Jacques; Mollet, Serge; and Verna, Maurice, to Le Carbone Lorraine. Process for producing a porous mineral membrane on a mineral support. 4,865,739, 9-12-89, Cl. 210-490.000.
Bauer, John K. Safety brake system for a motor vehicle. 4,795,004, 1-3-89, Cl. 188-106.00P.
Bauer, John K. Four-wheel steering, leveling and banking for vehicles. 4,796,720, 1-10-89, Cl. 180-234.000.
Bauer Kaba AG: *See—*
Florian, David W.; and Hennessy, Thomas F., 4,823,575, Cl. 70-358.000.
Bauer, Karl, to Barmag AG. Yarn conveying apparatus. 4,804,126, 2-14-89, Cl. 226-182.000.
Bauer, Karl; Hanisch, Michael; and Lenk, Erich, to Barmag AG. Method for processing a warp sheet of yarns. 4,814,122, 3-21-89, Cl. 264-40.100.
Bauer, Karl; Hanisch, Michael; and Lenk, Erich, to Barmag AG. Apparatus for processing a warp sheet of yarns. 4,868,959, 9-26-89, Cl. 28-187.000.
Bauer, Karl-Heinz; Eckert, Gerold; and Maidhof, Rudiger, to Preh, Elektrofeinmechanische Werke, Jakob Preh, Nachf. GmbH & Co. Illumination device for a front panel. 4,800,466, 1-24-89, Cl. 362-26.000.
Bauer, Karl-Heinz; and Eckert, Gerold, to Preh Elektrofeinmechanische Werke Jakob Preh Nachf. GmbH & Co. Electric manual switching device having environmentally protected components. 4,803,323, 2-7-89, Cl. 200-302.200.
Bauer, Karl-Heinz; and Eckert, Gerold, to Preh, Elektrofeinmechanische Werke, Jakob Preh, Nachf. GmbH & Co. Air outlet device. 4,823,238, 4-18-89, Cl. 362-74.000.
Bauer, Karl-Heinz; and Eckert, Gerold, to Preh, Elektrofeinmechanische Werke, Jakob Preh, Nachf. GmbH & Co. Air outlet device. 4,840,114, 6-20-89, Cl. 98-2.000.
Bauer, Karl-Heinz, to Preh, Elektrofeinmechanische Werke, Jakob Preh, Nachf, GmbH & Co. Air outlet device. 4,887,520, 12-19-89, Cl. 98-2.000.
Bauer, Karlheinz; Haberer, Johann; and Arzberger, Maximilian, to Bauer Spezialtiefbau GmbH. Trench cutter. 4,834,197, 5-30-89, Cl. 175-91.000.
Bauer, Keith A.: *See—*
Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,865,974, Cl. 435-68.000.
Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,870,017, Cl. 435-212.000.
Bauer, Klaus: *See—*
Boesenberg, Heinz; Mildenberger, Hilmar; Bauer, Klaus; and Bieringer, Hermann, 4,814,459, Cl. 548-161.000.
Liebl, Rainer; Frey, Michael; Mildenberger, Hilmar; Bauer, Klaus; and Bieringer, Hermann, 4,838,931, Cl. 71-94.000.
Maier, Thomas; Schmierer, Roland; Bauer, Klaus; Bieringer, Hermann; Burstell, Helmut; and Sachse, Burkhard, 4,820,335, Cl. 71-92.000.
Bauer-Kompressoren GmbH: *See—*
Schoeffl, Manfred; and Lex, Erich, 4,856,565, Cl. 141-97.000.
Bauer-Kompressoren Heinz Bauer: *See—*
Bauer, Heinz; and Piening, Jens, 4,828,589, Cl. 55-217.000.
Bauer, Lothar; Strusch, Wolfgang; Hartmann, Ernst-Siegfried; Schleiermacher, Herbert; and Wahnschaffe, Juergen, to Kloeckner-Humboldt-Deutz AG. Diesel internal combustion engine. 4,834,030, 5-30-89, Cl. 123-41.720.
Bauer, Lothar: *See—*
Hanstein, Ullrich; and Bauer, Lothar, 4,885,281, Cl. 514-53.000.
Bauer, Manfred, to U.S. Philips Corp. Collimator for an X-ray mammography apparatus. 4,825,455, 4-25-89, Cl. 378-153.000.
Bauer, Peter, to U.S. Philips Corporation. Cordless telephone with in-range monitoring. 4,853,951, 8-1-89, Cl. 379-62.000.
Bauer, Peter: *See—*
Schlag, Johannes; Koehnlein, Ernst; Bauer, Peter; Koessler, Ludwig; and Hausz, Alfred F., 4,876,147, Cl. 428-379.000.
Bauer, Ralph, to Norton Company. Boehmite produced by a seeded hydyothermal process and ceramic bodies produced therefrom. 4,797,139, 1-10-89, Cl. 51-293.000.
Bauer, Ralph; and Franklin, Rufus M., to Norton Company. Production of beta alumina by seeding and beta alumina produced thereby. 4,797,269, 1-10-89, Cl. 423-600.000.
Bauer, Richard D.; Buzzell, John G.; and Koenigkramer, Rusty E., to Du Pont de Nemours, E. I., and Company. Positive-working color proofing film and process. 4,849,322, 7-18-89, Cl. 430-285.000.
Bauer, Robert; and Magers, Thomas A., to Miles Inc. Enzymatic ethanol test. 4,810,633, 3-7-89, Cl. 435-25.000.
Bauer, Robert W.; Reck, Charles R.; and Wangeman, Hans B., to U.S. Brick, Inc. Panel system and method. 4,809,470, 3-7-89, Cl. 52-97.000.
Bauer, Roland: *See—*
Knittel, Helmut; Bauer, Roland; Liedek, Egon; and Etzrodt, Guenter, 4,844,741, Cl. 106-436.000.
Bauer, Ronald S., to Shell Oil Company. Curing agents for epoxy resins comprising diamines with the di(p-aminophenyl)-diisopropyl benzene structure. 4,855,386, 8-8-89, Cl. 528-117.000
Bauer, Rudolf: *See—*
Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.
Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.
Bauer, Sandor; Doleschall, Sandor; Gal, Andras; Milley, Gyula; Nagy, Gyula; and Paal, Tibor, to Magyar Szenhidrogenipari Kutato-Fejleszto Intezet. Process for improving the sedimentation and filtering properties of waste waters containing clay minerals. 4,795,564, 1-3-89, Cl. 210-665.000.
Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, to Magyar Szenhidrogenipari Kutato-Fejleszto Intezet. Enhanced oil recovery. 4,799,551, 1-24-89, Cl. 166-303.000.
Bauer, Siegfried; and Falk, Ernst, to Richard Wolf GmbH. Coagulation forceps. 4,819,633, 4-11-89, Cl. 128-303.170.
Bauer, Siegfried; and Lehmann, Helmut, to Richard Wolf, GmbH. Rapid connector between an endoscope and a camera. 4,863,30[illegible], 9-5-89, Cl. 403-37.000.
Bauer, Sigrid, to Ciba-Geigy Corporation. 1,2-Naphthoquinone diazide sulfonyl ester compound with linking benzotriazole groups and light-sensitive composition with compound. 4,835,085, 5-30-89, Cl. 430-192.000.
Bauer, Sigrid, to Ciba-Geigy Corporation. Photoresist compositions with a bis-benzotriazole. 4,871,644, 10-3-89, Cl. 430-191.000.
Bauer Spezialtiefbau GmbH: *See—*
Bauer, Karlheinz; Haberer, Johann; and Arzberger, Maximilian, 4,834,197, Cl. 175-91.000.
Bauer, Volker; Feuerstein, Albert; Hartig, Klaus; Kienel, Gerhard; Lammermann, Helmuth; and Zirkel, Wolfgang, to Leybold-Heraeus GmbH. Method and apparatus for the reactive vapor depositing of metal compounds. 4,828,872, 5-9-89, Cl. 427-39.000.
Bauer, Volker: *See—*
Feuerstein, Albert; Eberhardt, Helmut; Lammermann, Heinz; Bauer, Volker; and Lobig, Gerard, 4,815,415, Cl. 118-718.000.
Bauer, Walter. Tool for making roughing and finishing cuts in a workpiece. 4,818,156, 4-4-89, Cl. 408-150.000.
Bauer, Walter; Schmidt, Manfred; Plaschke, Herbert; and Butz, Otto, to AGFA-Gevaert Aktiengesellschaft. Arrangement for unloading and loading of X-ray film cassettes. 4,819,317, 4-11-89, Cl. 29-407.000.
Bauer, Walter, to Borg-Warner Automotive GmbH. Method for the production of friction plates, synchronizing blocker rings or similar structures. 4,878,282, 11-7-89, Cl. 29-149.50C.
Bauer, Walter; Schmidt, Manfred; and Widemann, Ernst, to AGFA-Gevaert Aktiengesellschaft. Method of checking the presence or absence of an X-ray sheet film in a casette introduced into an apparatus for unloading or loading a sheet film into the cassette, and a device for carrying out the method. 4,887,284, 12-12-89, Cl. 378-173.000.
Bauer, Willi: *See—*
Flemming, Udo; and Bauer, Willi, 4,821,430, Cl. 36-69.000.
Bauer, Wolfgang; Keil, Karl-Heinz; Nagl, Gert; Kaiser, Manfred; Steinbach, Joachim; and Sternberger, Klaus, to Cassella Aktiengesellschaft. Wet-fastness properties of sulphur dyestuffs dyeings on cellulose treated with poly-di-allyl-ammonium salt. 4,810,254, 3-7-89, Cl. 8-554.000.
Bauer, Wolfgang; and Steckelberg, Willi, to Cassella Aktiengesellschaft. Aqueous formulation of 1,2-benzisothiazolin-3-one. 4,871,7[illegible], 10-3-89, Cl. 514-373.000.
Bauer, Wolfgang; Steckelberg, Willi; and Ritter, Josef, to Cassella Aktiengesellschaft. Water-solubie yellow monoazo dyestuffs. 4,881,977, 11-21-89, Cl. 106-22.000.
Baueregger, Rolf; Bildl, Erich; and Dietl, Josef, to Heliotronic Forschungs- und Entwicklungsgesellschaft fur Solarzellen- GmbH. Low-contamination method for comminuting solid silicon fragments. 4,871,117, 10-3-89, Cl. 241-23.000.
Bauerle, David D.; and Rabotnick, Barry I., to Colt Industries, Inc. Air cleaner cover and base for dual carburetor assemblies. 4,802,9[illegible], 2-7-89, Cl. 55-484.000.
Bauermeister, Kurt, to Lanico-Maschinenbau Otto Niemsch Gesellschaft mit beschrankter Haftung. Apparatus for flanging and indexing both ends of a cylindrical container body. 4,817,409, 4-4-89, Cl. 72-94.000.
Bauge, Michel; Boudon, Gerard; Mollier, Pierre; Peter, Jean-Luc; and Yamour, Yiannis J., to International Business Machines Corporation. Duplicated circuit arrangement for fast transmission and repairability. 4,856,000, 8-8-89, Cl. 371-9.000.
Baugh, Benton F. System and method for providing compressed gas. 4,811,558, 3-14-89, Cl. 60-281.000.
Baugh, Benton F. Bi-directional gate valve. 4,824,074, 4-25-89, Cl. 251-172.000.
Baugh, Benton F. Lockset security device. 4,827,745, 5-9-89, Cl. 7[illegible] 416.00L.
Baugh, Benton F. Hydraulic stab connector, frictionless. 4,863,3[illegible], 9-5-89, Cl. 405-191.000.
Baugh, Benton F. Hydraulic stab connector with angular freedom. 4,878,783, 11-7-89, Cl. 405-169.000.

Baugh, Charles W.: *See—*
Grimes, Elizabeth H.; and Baugh, Charles W., 4,805,140, Cl. 365-87.000.
Baugh, J. L., to Baker Hughes Incorporated. Liner hanger with improved bite and method. 4,825,954, 5-2-89, Cl. 166-382.000.
Baugh, J. Lindley; Fraser, James M., III; and Melenyzer, George J., to Baker Hughes Incorporated. Liner setting tool and method. 4,848,469, 7-18-89, Cl. 166-382.000.
Baugh, James D.; and Hager, Francis M., to Cummins Engine Company, Inc. Crankshaft bearing cap location scheme. 4,854,746, 8-8-89, Cl. 384-432.000.
Baugh, John L.; Mooney, Frank X.; and Vandevier, Joseph E., to Hughes Tool Company. Packer cooling system for a downhole steam generator assembly. 4,805,698, 2-21-89, Cl. 166-272.000.
Baugh, John L.; and Nevels, David L., to Baker Hughes Incorporated. Apparatus and method for cementing a liner in a well bore. 4,842,069, 6-27-89, Cl. 166-285.000.
Baugh, Robert F.; and Taylor, Cynthia A., to Hemotec, Inc. Method of collecting and analyzing a sample of blood when monitoring heparin therapy. 4,871,677, 10-3-89, Cl. 436-69.000.
Baugh, William D.; and Murib, Jawad H., to National Distillers and Chemical Corporation. Process for preparing carboxylic acids. 4,801,743, 1-31-89, Cl. 562-519.000.
Baughey, Nancy C. Microwave frying system. 4,862,791, 9-5-89, Cl. 99-400.000.
Baughman, Joseph W.; and Bayless, Arden D., to B.F. Goodrich Company, The. Modular liferaft. 4,828,520, 5-9-89, Cl. 441-40.000.
Baughman, Larry L. Trimming tool. 4,817,290, 4-4-89, Cl. 30-293.000.
Baughman, Ray H.; Buff, Ernest D.; Eckhardt, Helmut; and Fuchs, Gerhard H., to Allied-Signal Inc. Dual-pane thermal window with liquid crystal shade. 4,848,875, 7-18-89, Cl. 350-331.00R.
Baughman, Ray H.: *See—*
Maxfield, MacRae; Baughman, Ray H.; Iqbal, Zafar; and Eckhardt, Helmut, 4,870,051, Cl. 505-1.000.
Maxfield, MacRae; Baughman, Ray H.; Igbal, Zafar; and Eckhardt, Helmut, 4,879,270, Cl. 505-1.000.
Baugus, Ronald G. Gun cylinder lock device. 4,802,298, 2-7-89, Cl. 42-70.110.
Baukol, David E.; Bod, Dennis L.; and Mittelstadt, Robert F., to Boeing Company, The. Aircraft landing light alignment system. 4,804,265, 2-14-89, Cl. 356-152.000.
Baule, Heinrich; and Borgers, Manfred, to Wasagchemie Sythen GmbH. Acoustic ground vibration detector. 4,849,947, 7-18-89, Cl. 367-178.000.
Baum, Albrecht: *See—*
Bickel, Martin; and Baum, Albrecht, 4,825,036, Cl. 219-121.780.
Baum, Allen: *See—*
Mahon, Michael J.; Baum, Allen; Bryg, William R.; and Miller, Terrence C., 4,809,160, Cl. 364-200.000.
Baum, Allen J.; Miller, Terrence C.; and Fotland, David A., to Hewlett-Packard Company. Method and means for conditional storing of data in a reduced instruction set computer. 4,873,627, 10-10-89, Cl. 364-200.000.
Baum, Eric A.: *See—*
Kirk, William F.; Wass, Anthony C. L.; Baum, Eric A.; Tansey, Ian P.; and Meredith, William G., 4,860,740, Cl. 128-203.150.
Baum, Forrest F.: *See—*
Williams, Nelson E., Jr.; and Baum, Forrest F., 4,822,438, Cl. 156-265.000.
Baum, Gary A.; and Habeger, Charles C., Jr., to Institute of Paper Chemistry, The. Method and apparatus for measuring fiber orientation anisotropy. 4,841,223, 6-20-89, Cl. 324-58.50A.
Baum, Joachim: *See—*
Volk, Stephan; and Baum, Joachim, 4,795,247, Cl. 351-118.000.
Baum, Jonathan S.: *See—*
Chang, Jun H.; and Baum, Jonathan S., 4,826,527, Cl. 71-88.000.
Baum, Kurt; and Archibald, Thomas G. 1,3-diethynyladamantane and methods of polymerization thereof. 4,849,565, 7-18-89, Cl. 585-22.000.
Baum, Leo A., to Putzer-Defries Winden- und Hebetechnik GmbH. Hoisting apparatus. 4,834,341, 5-30-89, Cl. 254-375.000.
Baum, Marilyn J. Decorative crib bumper. 4,800,600, 1-31-89, Cl. 5-93.00R.
Baum, Thomas H.; Comita, Paul B.; and Jackson, Robert L., to International Business Machines Corporation. Process for interconnecting thin-film electrical circuits. 4,880,959, 11-14-89, Cl. 219-121.850.
Bauman, Bernard D.; Ruprecht, David R.; Marsh, Paul D.; and Williams, Mark A., to Air Products and Chemicals, Inc. Injection molding process with reactive gas treatment. 4,800,053, 1-24-89, Cl. 264-83.000.
Bauman, Bernard D.; Burdick, Patricia E.; and Mehta, Rajendra K., to Air Products and Chemicals, Inc. Polymeric materials having controlled physical properties. 4,833,205, 5-23-89, Cl. 525-123.000.
Bauman, Bernard D., to Air Products and Chemicals, Inc. Abrasion resistant composite material and process for making the same. 4,880,879, 11-14-89, Cl. 525-130.000.
Bauman, Hans. Valve positioning device. 4,862,788, 9-5-89, Cl. 91-387.000.
Bauman, Jack. Submergible larynogoscope with sealed housing for battery. 4,815,451, 3-28-89, Cl. 128-11.000.
Bauman, Jack. Resuscitator. 4,821,713, 4-18-89, Cl. 128-205.130.
Bauman, John G., to American Home Products Corporation. Production of N-((2-alkoxy-6-methoxy-5-(trifluoromethyl)-1-naphthalenyl)carbonyl)-N-methylglycine esters. 4,866,197, 9-12-89, Cl. 560-39.000.
Bauman, Robert A.: *See—*
Ramachandran, Pallassana N.; Grand, Paul S.; and Bauman, Robert A., 4,873,001, Cl. 252-8.800.
Bauman, Robert M. Apparatus for controlling access to data storage devices. 4,818,986, 4-4-89, Cl. 340-825.310.
Bauman, William C.: *See—*
Burba, John L., III; and Bauman, William C., 4,812,245, Cl. 252-17.000.
Baumann, Arthur, to Mettler Instrumente AG. Circuit and method for measuring and digitizing the value of a resistance. 4,814,692, 3-21-89, Cl. 324-62.000.
Baumann, Arthur, to Mettler Instrumente AG. Method for the automatic calibration of a high-resolution electronic balance. 4,858,161, 8-15-89, Cl. 364-571.030.
Baumann, Burke B.; and Wilson, Troy K., to Honeywell Inc. Apparatus for modifying microinstructions of a microprogrammed processor. 4,825,363, 4-25-89, Cl. 364-200.000.
Baumann & Cie AG: *See—*
Iten, Peter, 4,817,771, Cl. 192-16.000.
Baumann, Dieter, to Ing. Walter Hengst GmbH & Co. KG. Fuel preheater. 4,811,719, 3-14-89, Cl. 123-557.000.
Baumann, Ernst F. Interconnecting joint for skis or the like. 4,844,499, 7-4-89, Cl. 280-603.000.
Baumann, Gerhard; and Kramer, Herbert, to Georg Fischer Aktiengesellschaft. Device for treating the ends of tubular components. 4,819,385, 4-11-89, Cl. 51-241.00B.
Baumann, Hannes, to Aluminium AG Menziken. Method and apparatus for extruding of metals, especially light-weight metals such as aluminum. 4,829,802, 5-16-89, Cl. 72-272.000.
Baumann, Hans; and Stucki, Samuel, to BBC Brown Boveri AG. Process for breaking down organic substances and/or microbes in pretreated feed water for high-purity water recirculation systems. 4,836,929, 6-6-89, Cl. 210-638.000.
Baumann, Hans D. Movable sleeve type valve. 4,822,002, 4-18-89, Cl. 251-331.000.
Baumann, Hans-Peter, to Sandoz Ltd. Use of certain quaternary ammonium compounds in dyeing leather with basic dyestuffs. 4,797,131, 1-10-89, Cl. 8-436.000.
Baumann, Heinz, to Spirella AG. Splashguard for a bathtub. 4,888,835, 12-26-89, Cl. 4-609.000.
Baumann, Horst: *See—*
Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.
Baumann, John A.; Schachter, Rozalie; and Viscogliosi, Marcello, to American Cyanamid Company. Cracking traps for process gas components having a condensed phase. 4,867,952, 9-19-89, Cl. 423-210.000.
Baumann, John A.: *See—*
Michel, Christian G.; Schachter, Rozalie; Kuck, Mark A.; Baumann, John A.; and Raccah, Paul M., 4,818,636, Cl. 428-704.000.
Michel, Christian G.; Schachter, Rozalie; Kuck, Mark A.; Baumann, John A.; and Raccah, Paul M., 4,822,581, Cl. 423-302.000.
Baumann, Karl-Heinz, to Daimler-Benz Aktiengesellschaft. Bracing of vehicle body structures on a resiliently mounted front engine motor vehicle. 4,836,321, 6-6-89, Cl. 180-232.000.
Baumann, Karl-Heinz: *See—*
Matthias, Klaus; Disson, Arno; Schick, Gerald; Baumann, Karl-Heinz; and Euteneuer, Albert, 4,830,402, Cl. 280-756.000.
Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disson, Arno; Moller, Hermann; Seel, Holger; Topfer, Claus; Nerger, Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, Cl. 280-756.000.
Baumann, Manfred: *See—*
Arabian, Sandro; and Baumann, Manfred, 4,818,042, Cl. 312-38.000.
Baumann, Marcus: *See—*
Moser, Hans; Pissiotas, Georg; Brunner, Hans-Georg; Bohner, Beat; and Baumann, Marcus, 4,804,400, Cl. 71-95.000.
Baumann, Rudolf, to Azo-Maschinenefabrik Adolf Zimmermann GmbH. Apparatus for the gravimetric dosing of flowable products. 4,812,047, 3-14-89, Cl. 366-141.000.
Baumann, Siegfried: *See—*
Weinrotter, Klaus; Jeszenszky, Thomas; Schmidt, Heinrich; Baumann, Siegfried; and Kalleitner, Johann, 4,801,502, Cl. 428-397.000.
Baumann, Werner; Diest, Joseph V.; Eichenberger, Herbert; and Oppliger, Max, to Sandoz, Ltd. Metal-free azo compounds containing a vinylsulfonyl group and at least one basic group and 1:1 and 1:2 metal complexes thereof. 4,820,806, 4-11-89, Cl. 534-605.000.
Baumann, William M.; Scott, Ray V., Jr.; House, David W.; and Engel, Dusan J., to UOP Inc. N-N'-dialkylphenylenediamines as curing agents in polyurethane and polyurea manufacture by reaction injection molding. 4,806,616, 2-21-89, Cl. 528-68.000.
Baumann, William M.; House, David W.; and Scott, Ray V., Jr., to UOP. Alkylated triamines and higher polyamines as curing agents in polyurethane manufacture by reaction injection molding. 4,847,347, 7-11-89, Cl. 528-68.000.
Baumbach, Randall L.; Berard, Richard G.; and Curtis, Robert G., to Raytheon Company. Timing recovery scheme for burst communication systems. 4,847,876, 7-11-89, Cl. 375-113.000.
Baumbaugh, Alan E.; and Knickerbocker, Kelly L., to United States of America, Energy. High speed, very large (8 megabyte) first in/first out buffer memory (FIFO). 4,809,232, 2-28-89, Cl. 365-221.000.
Baumberg, Iosif, to Danmin Software and Technology, Inc. Device for elevating liquids with a plurality of intermediate containers communicating with one another. 4,801,246, 1-31-89, Cl. 417-121.000.

Baumberg, Iosif. Method and device for evaluating vision. 4,807,988, 2-28-89, Cl. 351-210.000.
Baumberg, Iosif. Method of and device for seeing objects including jump-like movements of an output image about a stationary main optical axis. 4,856,883, 8-15-89, Cl. 350-538.000.
Baumbusch, Paul: *See—*
Schanz, Rainer; Baumbusch, Paul; and Egner, Harald, 4,815,580, Cl. 198-347.000.
Baumeister & Gatler: *See—*
Ament, Eduard, 4,836,263, Cl. 160-68.000.
Baumeister, Hans-Peter, to Eastman Kodak Company. Video recorder using extended tape tracks to record compressed chrominance. 4,811,116, 3-7-89, Cl. 358-310.000.
Baumeister, Peter: *See—*
Schurter, Rolf, Siegrist, Urs; Rempfler, Hermann; and Baumeister, Peter, 4,831,148, Cl. 546-345.000.
Baumeister, Udo; and Walther, Bernd, to SWF Auto-Electric GmbH. Electrical machine, especially electric motor. 4,866,322, 9-12-89, Cl. 310-239.000.
Baumeister, Willi: *See—*
Boedecker, Manfred; Benecke, Thomas; Krucke, Werner; and Baumeister, Willi, 4,883,913, Cl. 564-2.000.
Baumel, Steven D.: *See—*
Shipley, Dale L.; Arnett, Joan D.; Arnett, William A.; Baumel, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Maty; and Yamada, David H., 4,819,159, Cl. 364-200.000.
Baumer Electric AG: *See—*
Weisshaupt, Bruno, 4,843,259, Cl. 307-308.000.
Baumert, Dietrich: *See—*
Wegner, Peter; Kruger, Hans-Rudolf; Baumert, Dietrich; and Joppien, Hartmut, 4,889,870, Cl. 514-429.000.
Baumert, Heinz, to Daimler-Benz Aktiengesellschaft. Panel having a bending region, particularly for vehicles. 4,842,321, 6-27-89, Cl. 296-97.100.
Baumert, Heinz: *See—*
Leschke, Harald; Baumert, Heinz; and Kneib, Rudi, 4,821,668, Cl. 116-28.00R.
Baumfolder Corporation: *See—*
Boblit, Ronald E.; and Weiskittle, Ronald R., 4,834,695, Cl. 493-1.000.
Whittenberger, John S., 4,850,945, Cl. 493-14.000.
Baumgardner, Timmy D.: *See—*
Perry, Ronald E.; and Baumgardner, Timmy D., 4,807,568, Cl. 119-26.000.
Baumgart, Hans G.: *See—*
Bard, Martin; and Baumgart, Hans G., 4,870,795, Cl. 52-389.000.
Baumgart, Jerry W.; D'Annessa, Anthony T.; Geyling, Franz T.; Flegal, William M.; and Miller, Thomas J., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Method of and apparatus for overcladding a glass rod. 4,820,322, 4-11-89, Cl. 65-3.110.
Baumgarten, John M., to Babcock Industries Inc. Automatic adjustment device for cable control systems. 4,798,100, 1-17-89, Cl. 74-501.50R.
Baumgarten, Klaus: *See—*
Finke, Klaus; and Baumgarten, Klaus, 4,804,934, Cl. 335-229.000.
Baumgarten, Robert W.: *See—*
Walker, Raymond M.; Achor, Donald P.; Baumgarten, Robert W.; and Bogard, Ralph B., 4,873,751, Cl. 29-156.80B.
Baumgartner, Alan S.; Moore, Patrick D.; and Van Dahm, Richard A., to Milliken Research Corporation. Colored thermoplastic resin composition. 4,812,141, 3-14-89, Cl. 8-506.000.
Baumgartner, Armin: *See—*
Gutu-Nelle, Anca; and Baumgartner, Armin, 4,810,275, Cl. 65-2.000.
Baumgartner, Dominik: *See—*
Zwicky, Ruedi; Weber, Thomas; and Baumgartner, Dominik, 4,851,757, Cl. 322-58.000.
Baumgartner, Eugen: *See—*
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Baumgartner, Hans; Sudbeck, Rainer; Henke, Ulrich; and Brandstadter, Manfred, to Pierburg GmbH. Internal combustion engine having an injection nozzle for mixture preparation. 4,794,904, 1-3-89, Cl. 123-564.000.
Baumgartner, Hans; Heikrodt, Klaus; and Seifert, Werner, to Pierburg GmbH. Rotary piston machine having inner and outer rotors and a reinforcing belt. 4,795,326, 1-3-89, Cl. 418-152.000.
Baumgartner, Hans; Henke, Ulrich; Brandstadter, Manfred: Heikrodt, Klaus; and Schneider, Herbert, to Pierburg GmbH. Device for controlling fluid supply to a rotary piston machine. 4,822,260, 4-18-89, Cl. 417-440.000.
Baumgartner, Hans; Brandstadter, Manfred; and Henke, Ulrich, to Pierburg GmbH. Internal axis rotary piston engine with protrusions having two sealing corners. 4,840,550, 6-20-89, Cl. 418-150.000.
Baumgartner, Hartmut: *See—*
Halbritter, Jurgen; and Baumgartner, Hartmut, 4,857,360, Cl. 427-62.000.
Baumgartner, Josef: *See—*
Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, 4,819,421, Cl. 57-264.000.
Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, 4,821,503, Cl. 57-264.000.
Baumgartner, Kenneth A.; and Pickering, William, to Caterpillar Industrial Inc. Voltage transients. 4,879,623, 11-7-89, Cl. 361-33.000.
Baumgartner, Michael: *See—*
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Baumgartner, Norbert; Elrick, David E.; and Reynolds, W. Daniel Aquapot. 4,819,375, 4-11-89, Cl. 47-80.000.
Baumgartner, Werner; and Fellinger, Johannes, to Siemens Aktiengesellschaft. Method for fastening electronic components to a substrate using a film. 4,856,185, 8-15-89, Cl. 29-840.000.
Baumgen, Heinz: *See—*
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Baumhardt, Robert J.: *See—*
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Boda, James C.; Baumhardt, Robert J.; and Heidel, Bruce A. 4,838,820, Cl. 440-87.000.
Litjens, John J.; Griffiths, John M.; and Baumhardt, Robert J. 4,836,151, Cl. 123-65.00V.
Baumker, Manfred, to Litef GmbH. Method for determining [illegible] angles. 4,870,602, 9-26-89, Cl. 364-571.020.
Baumler, Jurgen; and Zeh, Manfred, to Lambda Physik Forschungs- und Entwicklungsgesellschaft mbH. Electrode for pulsed gas lasers 4,860,300, 8-22-89, Cl. 372-57.000.
Baumrind, Sheldon; and Curry, Sean, to Vexcel Corporation. Mandibular motion monitoring system. 4,836,778, 6-6-89, Cl. 433-69.000.
Baun, Philip J., Jr.; Carriere, Joseph F.; Eng, Stephen K.; Landry, Joseph E.; Lee, Jonghee; Nolan, Thomas M.; and Rhodes, David C. to American Telephone and Telegraph Company, AT&T Bell Laboratories. D-5 Channel bank control structure and controller 4,849,977, 7-18-89, Cl. 371-49.000.
Baunach, Stephen C., to Pitney Bowes Inc. Bit-map CRT display control. 4,857,910, 8-15-89, Cl. 340-799.000.
Baur, Bruce K. High speed base drive for power amplifier. 4,864,24 9-5-89, Cl. 330-251.000.
Baur, Bruce K., to Tektronix, Inc. Compensation circuit for power amplifier. 4,864,251, 9-5-89, Cl. 330-285.000.
Baur, Erwin: *See—*
Muller, Franz; Baur, Erwin; Simon, Herbert; and Sailer, Huber 4,827,784, Cl. 74-330.000.
Baur, Gunter: *See—*
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Baur, Guter; Scheuble, Bernhard; and Fehrenbach, Waltraud, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Electrooptical display element using a supertwist liquid crystal having specified elastic constants. 4,799,774, 1-24-89, Cl. 350-346.000.
Baur, Ottmar: *See—*
Hellwig, Gerhard; Baur, Ottmar; Feisst, Klaus; Moehwald, Helmut; and Muenstedt, Helmut, 4,803,596, Cl. 361-525.000.
Baur, Richard; Denzinger, Walter; Eckell, Albrecht; Hartmann, Heinrich; Mueller, Josef; Raubenheimer, Hans-Juergen; and Trieselt, Wolfgang, to BASF Aktiengesellschaft. Detergents containing oxalkylated, carboxyl-containing polymers. 4,814,102, 3-21-89, Cl. 252-174.240.
Baur, Richard; Fikentscher, Rolf; Oftring, Alfred; Richter, Felix; Trieselt, Wolfgang; Diessel, Paul; Winkler, Ekhard; and Perner, Johannes, to BASF Aktiengesellschaft. Polyacetals, preparation thereof from dialdehydes and polyolcarboxylic acids, and use of same. 4,816,553, 3-28-89, Cl. 528-245.000.
Baur, Richard; Richter, Felix; Birnbach, Stefan; Fikentscher, Rolf; Oftring, Alfred; Winkler, Ekhard; and Bochnitschek, Werner, to BASF Aktiengesellschaft. 2-Hydroxy-3-aminopropionic-n,n-diacetic acid and derivatives thereof, preparation thereof, and detergents containing same. 4,827,014, 5-2-89, Cl. 558-441.000.
Baur, Richard: *See—*
Barthold, Klaus; Oppenlaender, Knut; Lasowski, Juergen; and Baur, Richard, 4,814,394, Cl. 525-405.000.
Kock, Hans-Jakob; Winkler, Ekhard; Baur, Richard; Finkelmann, Heino; and Schafheutle, Markus, 4,801,734, Cl. 560-73.000.
Baur, Siegfried; Brandstetter, Rudi; and Roos, Gerhard, to L. Schuler GmbH. Drawing mechanism for a press. 4,821,552, 4-18-89, Cl. 72-351.000.
Baur, Walter: *See—*
Lohr, Herbert; Stein, Bernd; Becker, Helmut; Ade, Reiner; and Baur, Walter, 4,885,900, Cl. 53-551.000.
Baureis, Hans-Paul; Bickle, Wolfgang; and Lankreijer, Wilhelm, to Kolbenschmidt Aktiengesellschaft. Composite sliding surface bearing. 4,836,695, 6-6-89, Cl. 384-276.000.
Baureis, Hans-Paul: *See—*
Braus, Jurgen; Baureis, Hans-Paul; and Bickle, Wolfgang, 4,847,135, Cl. 428-138.000.
Baurmeister, Ulrich, and Pelger, Michael, to Akzo N.V. Device for separating gas bubbles from fluids. 4,828,587, 5-9-89, Cl. 55-159.000.
Baus, Heinz G. Frame, more particularly for a picture. 4,802,3 2-7-89, Cl. 40-155.000.
Baus, Heinz G. Partition, more particularly for corner-shower 4,807,312, 2-28-89, Cl. 4-607.000.
Baus, Heinz G. Cupboard, more particularly a bathroom cupboard 4,807,948, 2-28-89, Cl. 312-258.000.
Baus, Heinz G. Information device. 4,831,367, 5-16-89, Cl. 340-711.000.
Baus, Heinz G. Method and apparatus for producing multilayer panels 4,854,996, 8-8-89, Cl. 156-244.120.
Baus, Heinz G. Shower partition. 4,856,126, 8-15-89, Cl. 4-607.000.
Baus, Heinz G. Partition, more particularly for a corner shower 4,882,795, 11-28-89, Cl. 4-607.000.

Baus, Rene, Jr., to American Magnetics Corporation. Digital magnetic head structure. 4,797,767, 1-10-89, Cl. 360-121.000.
Baus, Rene, Jr., to American Magnetics Corporation. Method of making a digital magnetic head structure. 4,864,717, 9-12-89, Cl. 29-603.000.
Bausano & Figli S.p.A.: *See—*
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Bausch & Lomb Incorporated: *See—*
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Hensler, J. Raymond, 4,802,755, Cl. 351-163.000.
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Bausch, Paul, to General Motors Corporation. Three fluid chamber mounting for resilient, vibration-damping mounting of components. 4,861,005, 8-29-89, Cl. 267-140.100.
Bausch, Paul, to General Motors Corporation. Flexible mounting for engines, machine assemblies and the like. 4,881,724, 11-21-89, Cl. 267-64.230.
Bausch, Paul, to General Motors Corporation. Steerable front axle for motor vehicles. 4,881,749, 11-21-89, Cl. 280-95.100.
Bausch & Strobel Maschinenfabrik GmbH & Co.: *See—*
Bullinger, Siegfried; Busch, Walter; and Sperrle, Willi, 4,795,519, Cl. 156-363.000.
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Bauser, Herbert; Schindler, Bernd; and Chmiel, Horst, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. Modifying the surface of the interior pore walls of objects such as membranes with gas activated by partial brush discharge. 4,840,636, 6-20-89, Cl. 8-115.520.
Baustin, Estelle. Vehicular traffic control system. 4,847,618, 7-11-89, Cl. 340-929.000.
Bautex Adolf Stover Sohne KG: *See—*
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Bautista, Richard L., to Raychem Corporation. Connector for electrical heater. 4,883,945, 11-28-89, Cl. 219-541.000.
Bautista, Val, to Lescrenier, Charles. Locating device. 4,836,671, 6-6-89, Cl. 356-1.000.
Bauwens, Frank; and De Bom Van Driessche, Dirk. Lighting device for vehicle. 4,860,176, 8-22-89, Cl. 362-72.000.
Bauwens, Jan G.: *See—*
Debuysscher, Pierre L.; Bauwens, Jan G.; and DeSomer, Michel P. M., 4,813,037, Cl. 370-60.000.
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Baver, Donald K.: *See—*
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Bax Associates: *See—*
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Baxter, Anthony G. W.; Bostock, Stephen B.; and Greenwood, David, to Canon Kabushiki Kaisha. Ink comprising water soluble triazine dye free from cellulose reactive groups. 4,799,960, 1-24-89, Cl. 106-22.000.
Baxter, Bobby G.; Curtman, Wendell B.; and Peveler, Michael W., to Binkley Company, The. Slider. 4,838,566, 6-13-89, Cl. 280-149.200.
Baxter, Bobby G., to Binkley Company, The. Slider. 4,838,578, 6-13-89, Cl. 280-149.200.
Baxter, Bobby G. Wheeled vehicle suspension. 4,871,188, 10-3-89, Cl. 280-680.000.
Baxter, Carlton J.; and Baxter, David C. Method and apparatus for monitoring fluid flow. 4,797,666, 1-10-89, Cl. 340-606.000.
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Baxter, David B.: *See—*
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Baxter, G. Bobby, to Binkley Company, The. Landing gear for a vehicle. 4,824,136, 4-25-89, Cl. 280-475.000.
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Baxter, G. Matthew. Wind indicator for golfers. 4,854,579, 8-8-89, Cl. 273-32.00H.
Baxter, Genevieve S.; and Chandler, Roy L., to Baxter, Genevieve S. Pill-dividing apparatus. 4,824,000, 4-25-89, Cl. 225-103.000.
Baxter Healthcare Corporation: *See—*
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Borsanyi, Alexander S., 4,867,744, Cl. 604-153.000.
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Estep, Timothy N., 4,861,867, Cl. 530-385.000.
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Kaufman, Stephen B.; and Robson, Dale L., 4,842,028, Cl. 141-114.000.
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Manska, Wayne E.; and Bickelhaupt, Roger G., 4,823,167, Cl. 356-243.000.
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Miripol, Jeffrey E.; Bilstad, Arnold; Foley, John; and Glash, Dean, 4,866,282, Cl. 250-455.100.
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Pattillo, Martha C.; Bacehowski, David V.; Bilstad, Arnold C.; Cullis, Herbert M.; Dennehey, T. Michael; Yang, James W.; and Brown, William C., 4,829,002, Cl. 435-284.000.
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Schoendorfer, Donald W., 4,851,126, Cl. 210-651.000.
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Susini, Etienne; and Soubrier, Pierre, 4,887,973, Cl. 493-213.000.

Sutherland, Karl M.; and Jenusaitis, Matthew, 4,874,581, Cl. 422-46.000.
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Woo, Lecon; and Ling, Michael T. K., 4,856,260, Cl. 53-373.000.
Young, Joe W.; North, Michael V.; and Rake, Kenneth W., 4,795,440, Cl. 604-122.000.
Zdeb, Brian; Pearson, Steve; and Slater, Glenn L., 4,874,366, Cl. 604-56.000.
Zdeb, Brian D.; and Jepson, Steven C., 4,804,366, Cl. 604-85.000.

Baxter, Ivor R., to General Electric Company, p.l.c., The. Focusing technique for an optical sensing system. 4,798,947, 1-17-89, Cl. 250-201.000.

Baxter, James E.; and Poole, Robert D., to Royal Ordnance plc. Tubular projectiles. 4,882,997, 11-28-89, Cl. 102-503.000.

Baxter, John: *See*—
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Baxter, Leslie A.; and Berkowitz, Paul R., to American Telephone and Telegraph Company, AT&T Information Systems Inc. Variable time slot communication system. 4,809,270, 2-28-89, Cl. 370-95.000.

Baxter, Marjorie S.; and Wilson, Timothy C., to Motorola Inc. Automatic die attach workholder. 4,855,007, 8-8-89, Cl. 156-378.000.

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McGurk-Burleson, Erin; Koehler, Elmer; and Packham, Victor, 4,811,734, Cl. 128-305.000.
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Baxter, William H.: *See*—
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Bay, Elliott; Leone-Bay, Andrea; and Timony, Peter E., to ICI Americas Inc. Processes using a phosphorus complex. 4,814,467, 3-21-89, Cl. 549-246.000.

Bay, Elliott, to ICI Americas Inc. Process of converting a carboxylic acid or carboxylic acid halide group to a trihalomethyl group. 4,833,250, 5-23-89, Cl. 546-345.000.

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Lakshmanan, Pallavoor R.; and Carrier, Paula J., 4,833,192, Cl. 524-476.000.
Lakshmanan, Pallavoor R.; and Nguyen, Son T., 4,857,594, Cl. 525-98.000.

Baydar, Ahmet E., to Gillette Company, The. Triglyceride quaternary ammonium compounds, their preparation and use. 4,857,310, 8-15-89, Cl. 424-70.000.

Bayer Aktiengesellschaft: *See*—
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Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,810,283, Cl. 71-92.000.
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Haas, Peter; Sommerfeld, Claus-Dieter; and Weber, Hans-Ulrich, 4,874,797, Cl. 521-167.000.
Habich, Dieter; Hartwig, Wolfgang; Metzger, Karl G.; and Zeiler, Hans-Joachim, 4,840,946, Cl. 514-210.000.
Habich, Dieter; and Hartwig, Wolfgang, 4,841,042, Cl. 540-200.000.
Habich, Dieter; and Hartwig, Wolfgang, 4,849,531, Cl. 549-520.000.
Habich, Dieter; Hartwig, Wolfgang; Metzger, Karl G.; and Zeiler, Hans-Joachim, 4,863,916, Cl. 514-210.000.
Hagemann, Hermann; and Baasner, Bernd, 4,837,369, Cl. 570-160.000.
Hagemann, Hermann; and Sasse, Klaus, 4,841,089, Cl. 558-412.000.
Hallenbach, Werner; and Lindel, Hans, 4,847,382, Cl. 546-311.000.
Halpaap, Reinhard; Klein, Gerhard; Richter, Roland; Muller, Hanns P.; Pedain, Josef; and Kreuder, Hans-Joachim, 4,851,531, Cl. 544-222.000.
Hammerschmidt, Erich; and Blank, Heinz U., 4,795,596, Cl. 260-508.000.
Hammerschmidt, Erich; and Blank, Heinz U., 4,874,892, Cl. 562-409.000.
Hamprecht, Rainer, 4,808,723, Cl. 548-164.000.
Hamprecht, Rainer, 4,888,432, Cl. 549-57.000.
Harms, Wolfgang; and Wunderlich, Klaus, 4,806,640, Cl. 544-76.000.
Harms, Wolfgang; Wunderlich, Klaus; and von Oertzen, Klaus, 4,837,320, Cl. 544-189.000.
Harms, Wolfgang, 4,874,857, Cl. 544-75.000.
Harnisch, Horst; and Raue, Roderich, 4,812,379, Cl. 430-110.000.
Harnisch, Horst; and Raue, Roderich, 4,841,052, Cl. 544-361.000.
Hartung, Sigurd, deceased; Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, 4,885,418, Cl. 570-211.000.
Hartwig, Wolfgang, 4,803,285, Cl. 548-551.000.
Hartwig, Wolfgang, 4,847,287, Cl. 514-423.000.
Hassel, Tillmann; Hocker, Jurgen; Heywang, Gerhard; Muller, Hans-Klaus; and Fitzky, Hans G., 4,841,073, Cl. 549-232.000.
Hees, Bruno; and Hoffmann, Hans, 4,883,565, Cl. 204-180.200.
Hegasy, Ahmed; and Ramsch, Klaus-Dieter, 4,857,312, Cl. 424-80.000.
Hegasy, Ahmed, 4,882,144, Cl. 424-80.000.
Heine, Hans-Georg; and Ooms, Pieter, 4,876,393, Cl. 568-415.000.
Heinemann, Ulrich; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,849, Cl. 514-269.000.
Heitz, Walter; and Brugging, Wilhelm, 4,835,244, Cl. 528-176.000.
Heitz, Walter; and Schneider, Karl-Heinrich, 4,839,436, Cl. 525-397.000.
Heitz, Walter; and Schmidt, Hans-Werner, 4,866,154, Cl. 528-190.000.
Hendricks, Udo-Winfried; and Schmidt, Adolf, 4,859,374, Cl. 562-102.000.
Henning, Wolfgang; Meckel, Walter; and Fuhrmann, Peter, 4,857,565, Cl. 523-343.000.
Henning, Wolfgang; Hombach, Rudolf; Meckel, Walter; and Dollhausen, Manfred, 4,870,129, Cl. 524-597.000.
Henning, Wolfgang; Langenthal, Wolfram V.; Perrey, Hermann; and Striegler, Hellmut, 4,888,379, Cl. 524-500.000.
Herzog, Helmut; Schutze, Detlef-Ingo; Schneider, Jurgen; and Schmitz, Reinold, 4,812,568, Cl. 546-49.000.
Hess, Bernhard; Brassat, Bert; and Walter, Oskar, 4,806,603, Cl. 525-445.000.
Hess, Heinrich; Grogler, Gerhard; and Kopp, Richard, 4,801,623, Cl. 521-157.000.
Hess, Heinrich; Grogler, Gerhard; Kopp, Richard; Bock, Manfred; and Clarenz, Werner, 4,847,321, Cl. 524-788.000.
Heywang, Gerhard; Jonas, Friedrich; Merten, Rudolf; and Schmidtberg, Werner, 4,849,492, Cl. 528-48.000.
Hildenbrand, Karlheinz; von Dohren, Hans-Hagen; Perrey, Hermann; Frank, Georg; and Dhein, Rolf, 4,824,639, Cl. 422-56.000.
Hildenbrand, Karlheinz; Von Dohren, Hans-Hagen; Perrey, Hermann; and Wehling, Klaus, 4,824,640, Cl. 422-56.000.
Himmler, Thomas; Fiedler, Paul; Braden, Rudolf; and Buding, Hartmuth, 4,795,788, Cl. 525-338.000.
Hocker, Jurgen; Rottmaier, Ludwig; Reinking, Klaus; Kirsch, Jurgen; and Fullmann, Heinz-Josef, 4,798,686, Cl. 252-500.000.
Hocker, Jurgen; Faehndrich, Jurgen; Hespe, Hans; Sirinyan, Kirkor; and Wecker, Dieter, 4,820,580, Cl. 428-314.400.
Hoederath, Wolfgang; Ahr, Hans J.; Buhner, Klaus; Hegasy, Ahmed; and Winter, Manfred, 4,842,856, Cl. 424-101.000.
Hoffmann, Erwin; Pfeil, Hans-Dieter; Dietrich, Werner; and Bock, Rolf, 4,804,425, Cl. 156-73.600.
Hoffmann, Hans; and Hees, Bruno, 4,822,463, Cl. 204-181.100.
Hohlein, Peter; Kreiss, Eberhard; Mory, Franz; and Riberi, Bernd, 4,798,859, Cl. 525-7.000.
Hohlein, Peter; Kreiss, Eberhard; Pedain, Josef; and Scholl, Hans-Joachim, 4,814,410, Cl. 528-74.500.
Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Paul, Volker, 4,797,499, Cl. 549-559.000.
Holmwood, Graham; Weissmuller, Joachim; Brandes, Wilhelm; and Reinecke, Paul, 4,840,961, Cl. 514-399.000.
Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,843,088, Cl. 514-383.000.
Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; and Plempel, Manfred, 4,843,089, Cl. 514-383.000.
Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Lurssen, Klaus, 4,868,196, Cl. 514-383.000.
Holmwood, Graham; Buchel, Karl H.; Plempel, Manfred; and Haller, Ingo, 4,870,093, Cl. 514-383.000.
Holmwood, Graham; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; and Brandes, Wilhelm, 4,871,390, Cl. 71-92.000.
Ingendoh, Axel; Lindel, Hans; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,847,291, Cl. 514-524.000.
Jabs, Gert; Nehen, Ulrich; and Scholl, Hans J., 4,847,152, Cl. 428-402.210.
Jabs, Gert; and Richartz, Adolf, 4,874,832, Cl. 528-60.000.
Jager, Gerhard; Jautelat, Manfred; Arlt, Dieter; Reinecke, Paul; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,865 Cl. 514-399.000.
Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.
Jager, Horst, 4,839,469, Cl. 534-637.000.
Jager, Horst, 4,841,030, Cl. 534-638.000.
Jakob, Wolfgang; Alewelt, Wolfgang; and Tresper, Erhard, 4,873,326, Cl. 540-538.000.
Jansen, Bernhard; Muller, Hanns P.; Richter, Roland; Schapel, Dietmar; and Schmidt, Rudolf, 4,810,536, Cl. 427-421.000.
Jansen, Bernhard; Muller, Hanns P.; Richter, Roland; Schapel, Dietmar; and Schmidt, Rudolf, 4,826,948, Cl. 528-28.000.
Jansen, Ulrich; and Ott, Karl-Heinz, 4,853,450, Cl. 526-303.100.
Jelich, Klaus; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,854,964, Cl. 71-92.000.
Jelich, Klaus; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,864,029, Cl. 548-247.000.
Jelich, Klaus; Gayer, Herbert; Kramer, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,874,424, Cl. 71-105.000.
Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,803,215, Cl. 514-407.000.
Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, 4,804,675, Cl. 514-407.000.
Jensen-Korte, Uta; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Stendel, Wilhelm; Becker, Benedikt; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,810,720, Cl. 514-407.000.
Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Stendel, Wilhelm; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,820,725, Cl. 514-407.000.
Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,826,867, Cl. 514-407.000.
Jonas, Friedrich; and Waldenrath, Werner, 4,888,243, Cl. 428-411.100.
Junge, Bodo; Richter, Bernd; Glaser, Thomas; Traber, Jorg; and Allen, George S., 4,873,262, Cl. 514-510.000.
Kasbauer, Josef; Fiege, Helmut; Schmidt, Herbert; and Wedemeyer, Karlfried, 4,827,057, Cl. 570-204.000.
Kaspar, Vaclav; Baecker, Manfred; Brandt, Horst; Grimmelijkhuizen, Friedrich; and Wolf, Karlheinz, 4,846,409, Cl. 241-21.000.
Kaulen, Johannes; Arlt, Dieter; Holmwood, Graham; and Kramer, Wolfgang, 4,855,438, Cl. 548-262.000.
Kausch, Michael; Buysch, Hans-Josef; Schroer, Hans; and Suling, Carlhans, 4,877,825, Cl. 524-101.000.
Kerimis, Dimitrios; and Muller, Hanns P., 4,837,321, Cl. 544-193.000.
Kinast, Gunther; Schwenner, Eckhard; Kazda, Stanislav; Knorr, Andreas; and Kayser, Michael, 4,808,622, Cl. 514-356.000.
Kinast, Gunther; Schuller, Matthias; and Schroder, Theo, 4,871,747, Cl. 514-315.000.
Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Santel, Hans-Joachim; and Schmidt, Robert R., 4,802,910, Cl. 71-93.000.
Kissener, Wolfram; Franke, Joachim; Fiege, Helmut; and Wedemeyer, Karlfried, 4,820,871, Cl. 564-55.000.
Klein, Gerhard; and Arlt, Dieter, 4,835,239, Cl. 528-44.000.
Kluth, Joachim; Santel, Hans-Joachim; and Schmidt, Robert R., 4,832,733, Cl. 71-98.000.
Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,408, Cl. 560-330.000.

Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,409, Cl. 560-330.000.
Knops, Hans-Joachim; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; and Reinecke, Paul, 4,797,412, Cl. 514-383.000.
Kolbe, Joachim; Kummeler, Ferdinand; Miessen, Ralf; and Klee, Rudolf-Jurgen, 4,863,478, Cl. 8-115.600.
Koll, Jochen; Muller, Friedhelm; Bieber, Werner; Konig, Joachim; Eckstein, Udo; and Theidel, Hans, 4,888,128, Cl. 252-301.230.
Konig, Klaus; and Barnes, James M., 4,808,691, Cl. 528-76.000.
Konig, Klaus; and Heitkamper, Peter, 4,888,125, Cl. 252-182.210.
Kopp, Richard; Grogler, Gerhard; Hess, Heinrich; Schafer, Hermann; and Rasshofer, Werner, 4,797,320, Cl. 428-316.600.
Kortmann, Wilfried; von Bonin, Wulf; and Reich, Friedrich, 4,833,188, Cl. 524-217.000.
Kossmehl, Gerhard; Kabbeck-Kupijai, Detlef; and Jonas, Friedrich, 4,849,520, Cl. 546-347.000.
Kraatz, Udo; and Feyen, Peter, 4,804,766, Cl. 548-262.000.
Kraatz, Udo, 4,808,725, Cl. 548-262.000.
Kraatz, Udo, 4,876,353, Cl. 548-262.000.
Kramer, Wolfgang; Weissmuller, Joachim; Reiser, Wolf; Berg, Dieter; Brandes, Wilhelm; and Reinecke, Paul, 4,826,857, Cl. 514-326.000.
Kramer, Wolfgang; Weissmuller, Joachim, Reinecke, Paul; and Hanssler, Gerd, 4,845,098, Cl. 514-238.800.
Kramer, Wolfgang; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,847,278, Cl. 514-383.000.
Kramer, Wolfgang; Weissmuller, Joachim; Berg, Dieter; and Dutzmann, Stefan, 4,851,405, Cl. 514-212.000.
Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,806,593, Cl. 525-63.000.
Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,812,515, Cl. 525-69.000.
Kress, Hans-Jurgen; Wittmann, Dieter; Quiring, Bernd; Peters, Horst; and Schoeps, Jochen, 4,826,918, Cl. 525-67.000.
Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, 4,861,829, Cl. 525-92.000.
Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, 4,879,342, Cl. 525-67.000.
Kricheldorf, Hans-Rytger; Pakull, Ralf; Eckhardt, Volker; and Dicke, Hans-Rudolf, 4,861,857, Cl. 528-170.000.
Krippl, Kurt; Kreuer, Karl D.; and Hoffmann, Erwin, 4,846,099, Cl. 118-323.000.
Kruger, Bernd-Wieland; Sasse, Klaus; Hoever, Franz-Peter; Nentwig, Gunther; and Berhrenz, Wolfgang, 4,873,252, Cl. 514-315.000.
Kuhle, Engelbert; Paulus, Wilfried; Genth, Hermann; Reinecke, Paul; Hanssler, Gerd; and Brandes, Wilhelm, 4,798,905, Cl. 560-16.000.
Kule, Engelbert; and Adler, Alfons, 4,874,874, Cl. 548-544.000.
Kurka, Peter; and Goetze, Leppold, 4,879,290, Cl. 514-223.200.
Lailach, Gunter; and Schultz, Karl-Heinz, 4,797,163, Cl. 166-437.000.
Lailach, Gunter; and Gerken, Rudolf, 4,824,655, Cl. 423-541.00R.
Lantzsch, Reinhard; Ditgens, Klaus; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,818,762, Cl. 514-383.000.
Lantzsch, Reinhard; Ziemann, Heinz; and Elbe, Hans-Ludwig, 4,845,288, Cl. 564-256.000.
Leverenz, Klaus, 4,810,783, Cl. 534-588.000.
Leverenz, Klaus, 4,835,261, Cl. 534-788.000.
Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,845,262, Cl. 558-415.000.
Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,863,939, Cl. 514-357.000.
Lindel, Hans; Ingendoh, Axel; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,880,840, Cl. 514-645.000.
Lindig, Markus; and Becker, Benedikt, 4,822,810, Cl. 514-407.000.
Lindig, Markus; and Becker, Benedikt, 4,845,089, Cl. 514-210.000.
Lindner, Christian; Peters, Horst; Buekers, Josef; and Urbanneck, Bernd, 4,810,739, Cl. 524-371.000.
Lindner, Christian; and Ott, Karl-Heinz, 4,859,744, Cl. 525-256.000.
Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, 4,865,917, Cl. 428-407.000
Lindner, Christian; Dickone, Karlfried; Suling, Carlhans; Korte, Siegfried; and Podszun, Wolfgang, 4,871,850, Cl. 544-256.000.
Lindner, Christian; Wittmann, Dieter; Trabert, Ludwig; Suling, Carlhans; Bartl, Herbert; and Ott, Karl-Heinz, 4,873,289, Cl. 525-293.000.
Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, 4,885,209, Cl. 428-420.000.
Lockhoff, Oswald; Hayauchi, Yutaka; Stadler, Peter; Stunkel, Klaus G.; Streissle, Gert; Paessens, Arnold; Klimetzek, Volker; Zeiler, Hans-Joachim; Metzger, Karl G.; Kroll, Hein-Peter; Brunner, Helmut; and Schaller, Klaus, 4,855,283, Cl. 514-8.000.
Mais, Franz-Josef; and Fiege, Helmut, 4,827,058, Cl. 570-211.000.
Mais, Franz-Josef; Fiege, Helmut; Rohlk, Kai; and Wedemeyer, Karlfried, 4,851,596, Cl. 570-209.000.
Makowka, Bernd; and Block, Hans-Dieter, 4,827,022, Cl. 560-204.000.
Marhold, Albrecht; and Fischer, Reiner, 4,885,388, Cl. 564-417.000.
Marhold, Albrecht; and Braden, Rudolf, 4,885,415, Cl. 570-144.000.
Maurer, Fritz, 4,849,519, Cl. 546-298.000.
Maurer, Fritz; Becker, Benedikt; and Homeyer, Bernhard, 4,882,320, Cl. 514-86.000.
Maurer, Fritz; Sommer, Herbert; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,882,321, Cl. 514-86.000.
Mayska, Paul J.; and Tresper, Erhard, 4,804,689, Cl. 521-89.000.
Meckel, Walter; and Hombach, Rudolf, 4,868,266, Cl. 528-55.000.
Mehlhorn, Heinz; and Schmahl, Gunter, 4,826,842, Cl. 514-241.000.
Mehlhorn, Heinz; and Schmahl, Gunter, 4,837,216, Cl. 514-241.000.
Meier, Helmut-Martin; Kloker, Werner; and Sickert, Armin, 4,868,320, Cl. 556-408.000.
Meixner, Jurgen; Bock, Manfred; Pedain, Josef; and Schonfelder, Manfred, 4,870,152, Cl. 528-49.000.
Melin, Thomas; Stracke, Hubert; and Barth, Otto, 4,869,824, Cl. 210-615.000.
Meurer, Kurt P.; Waniczek, Helmut; Sylvester, Gerd; and Witte, Josef, 4,798,873, Cl. 525-333.700.
Meurer, Kurt P.; Waniczek, Helmut; Ohm, Christian; and Witte, Josef, 4,812,546, Cl. 526-297.000.
Meyer, Horst; Schwenner, Eckhard; and Knorr, Andreas, 4,885,303, Cl. 514-332.000.
Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,797,484, Cl. 544-215.000.
Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,844,730, Cl. 71-93.000.
Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurrsen, Klaus, 4,880,932, Cl. 544-320.000.
Mormann, Werner; and Leukel, Gabriele, 4,870,198, Cl. 556-414.000.
Mormann, Werner; and Leukel, Gabriele, 4,886,902, Cl. 560-106.000.
Mues, Peter; and Buysch, Hans-Josef, 4,851,550, Cl. 549-334.000.
Muller, Hanns P.; and Gipp, Roland, 4,855,484, Cl. 560-72.000.
Muller, Hanns P.; and Gipp, Roland, 4,868,268, Cl. 528-76.000.
Muller, Nikolaus; Bonse, Gerhard; Andrews, Peter; Stendel, Wilhelm; and Steffens, Robert, 4,804,655, Cl. 514-100.000.
Musch, Rudiger; Muller, Eberhard; Hohmann, Gerhard; and Schabel, Karl-Heinz, 4,857,616, Cl. 526-204.000.
Mussig, Bernhard; Meyer, Rolf-Volker; Brassat, Bert; and Dhein, Rolf, 4,820,771, Cl. 525-183.000.
Naumann, Klaus; Braden, Rudolf; Behrenz, Wolfgang; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,820,735, Cl. 514-531.000.
Naumann, Klaus; Braden, Rudolf; and Ziemann, Heinz, 4,822,912, Cl. 562-493.000.
Naumann, Klaus; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,839,390, Cl. 514-746.000.
Naumann, Klaus; and Behrenz, Wolfgang, 4,889,872, Cl. 514-531.000.
Neuhaus, Alfred; Ganster, Otto; and Mengal, Manfred, 4,882,363, Cl. 521-122.000.
Neunzig, Franz-Theo, 4,861,343, Cl. 8-488.000.
Nickel, Horst; Wild, Peter; and Stohr, Frank-Michael, 4,839,468, Cl. 534-604.000.
Niewohner, Ulrich; Hoever, Franz-Peter; Junge, Bodo; Perzborn, Elisabeth; Seuter, Friedel; and Fiedler, Volker-Bernd, 4,868,331, Cl. 562-427.000.
Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,868,332, Cl. 562-427.000.
Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Oediger, Hermann; Rosentreter, Ulrich; Boshagen, Horst; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,882,353, Cl. 514-456.000.
Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,886,898, Cl. 560-42.000.
Noll, Klaus; Thoma, Wilhelm; Nachtkamp, Klaus; Schroer, Walter; and Pedain, Josef, 4,876,302, Cl. 524-267.000.
Obrecht, Werner; Wendling, Peter; Gobel, Wilhelm; and Muller, Eberhard, 4,814,401, Cl. 526-204.000.
Obrecht, Werner; Goossens, John; Mirza, Jean; Pabst, Jurgen; Thormer, Joachim; and Szentivanyi, Zsolt, 4,826,721, Cl. 428-252.000.
Ochel, Klaus-Peter; Krupp, Joachim; Heger, Josef; and Schweitzer, Martin, 4,856,985, Cl. 431-202.000.
Oeckl, Siegfried; Martinola, Friedrich; and Thomas, Paul, 4,853,135, Cl. 210-757.000.
Ohm, Christian; Pask, Stephen D.; Wieder, Wolfgang; Obrecht, Werner; and Schabel, Karl-Heinz, 4,868,053, Cl. 428-379.000.
Ohst, Holger; Podszun, Wolfgang; Suling, Carlhans; Goossens, John; and Penners, Gunther, 4,840,989, Cl. 524-544.000.
Onnenberg, Volker; Busch, Ralf; and Lindsey, John, 4,808,100, Cl. 425-127.000.
Onnenberg, Volker; and Mollmann, Gunter, 4,875,843, Cl. 425-4.00R.
Ooms, Pieter; and Becker, Benedikt, 4,808,623, Cl. 514-404.000.
Ooms, Pieter; Klausener, Alexander; Baasner, Bernd; Becker, Benedikt; Behrenz, Wolfgang; and Homeyer, Bernhard, 4,868,198, Cl. 514-406.000.
Ostlinning, Edgar; and Dorf, Ernst-Ulrich, 4,824,933, Cl. 528-388.000.
Paulini, Dieter; Schmitz-Bastian, Peter; Wagner, Wolfram; and Bieber, Gunter, 4,858,809, Cl. 226-97.000.
Pedain, Josef; Sonntag, Michael; and Konig, Klaus, 4,801,675, Cl. 528-73.000.

Pedain, Josef; Nachtkamp, Klaus; Noll, Klaus; and Grammel, Jurgen, 4,829,122, Cl. 524-591.000.
Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,806,539, Cl. 514-254.000.
Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,820,716, Cl. 514-312.000.
Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,840,954, Cl. 514-254.000.
Petersen, Uwe; Schriewer, Michael; Kysela, Ernst; and Grohe, Klaus, 4,851,160, Cl. 562-853.000.
Piejko, Karl-Erwin; Ostarek, Ralph; and Reetz, Manfred T., 4,801,669, Cl. 526-238.000.
Piejko, Karl-Erwin; Bomer, Bruno; Buysch, Hans-Josef; and Hullmann, Michael, 4,879,367, Cl. 528-371.000.
Pielartzik, Harald; Dhein, Rolf; Meyer, Rolf-Volker; Traenckner, Hans-Joachim; and Ostlinning, Edgar, 4,886,869, Cl. 528-196.000.
Pielartzik, Harald; Ebert, Wolfgang; Meyer, Rolf-Volker; Traenckner, Hans-Joachim; and Ostlinning, Edgar, 4,889,911, Cl. 528-182.000.
Pieper, Christian; Burghartz, Hans K.; Hirsch, Rolf-Burkhard; and Rink, Norbert, 4,804,511, Cl. 264-206.000.
Podszun, Wolfgang; and Waniczek, Helmut, 4,885,191, Cl. 427-212.000.
Pott, Richard; Eiling, Aloys; and Kampf, Gunther, 4,860,254, Cl. 365-145.000.
Prater, Klaus; Uerdingen, Walter; Heine, Heinrich; and Freitag, Dieter, 4,812,589, Cl. 558-51.000.
Probst, Joachim; Baumgen, Heinz; Bomer, Bruno; Konig, Joachim; and Mottweiler, Renke, 4,806,591, Cl. 524-820.000.
Psaar, Hubertus; and Raue, Roderich, 4,808,719, Cl. 546-165.000.
Rasshofer, Werner; Grigat, Ernst; Grogler, Gerhard; Hess, Heinrich; and Kopp, Richard, 4,855,504, Cl. 564-395.000.
Raue, Roderich; and Psaar, Hubertus, 4,847,177, Cl. 430-106.000.
Raue, Roderich; Psaar, Hubertus; and Berneth, Horst, 4,849,306, Cl. 430-110.000.
Raue, Roderich; and Psaar, Hubertus, 4,869,989, Cl. 430-106.000.
Regel, Erik; Bockmann, Klaus; Buchel, Karl H.; Lurssen, Klaus; Brandes, Wilhelm; Konze, Jorg; and Reinecke, Paul, 4,875,928, Cl. 71-92.000.
Reinehr, Ulrich; Bernklau, Kurt; Herbertz, Toni; Jungverdorben, Hermann-Josef; and Burghartz, Hans K., 4,810,448, Cl. 264-177.130.
Reinehr, Ulrich; Druschke, Frank; and Kleinschmidt, Peter, 4,810,449, Cl. 264-182.000.
Reinehr, Ulrich; Hirsch, Rolf-Burkhard; Dross, Joachim; and Jungverdorben, Hermann-Josef, 4,842,793, Cl. 264-136.000.
Reiners, Jurgen; Schlak, Ottfried; Podszun, Wolfgang; and Winkel, Jens, 4,843,136, Cl. 526-279.000.
Reiners, Jurgen; Podszun, Wolfgang; Suling, Carlhans; and Winkel, Jens, 4,868,325, Cl. 560-115.000.
Reiners, Jurgen; Suling, Carlhans; Podszun, Wolfgang; and Winkel, Jens, 4,870,202, Cl. 560-158.000.
Reiners, Jurgen; Podszun, Wolfgang; Winkel, Jens; Suling, Carlhans; and Klein, Gerhard, 4,879,402, Cl. 560-26.000.
Reischl, Arthur, 4,855,052, Cl. 210-632.000.
Reischl, Artur, 4,801,621, Cl. 521-53.000.
Reischl, Artur, 4,820,415, Cl. 210-616.000.
Reischl, Artur; and Sahlmen, Friedhelm, 4,834,003, Cl. 110-346.000.
Reischl, Artur; and Mack, Kurt, 4,843,105, Cl. 521-54.000.
Richter, Roland; Muller, Hanns P.; Hombach, Rudolf; Dollhausen, Manfred; Avar, Geza; and Freitag, Hans-Albrecht, 4,824,595, Cl. 252-182.170.
Riebel, Hans-Jochem, 4,801,709, Cl. 544-194.000.
Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,843,091, Cl. 514-419.000.
Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Niewohner, Ulrich; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, 4,853,406, Cl. 514-411.000.
Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,835,224, Cl. 525-453.000.
Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,843,107, Cl. 521-155.000.
Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,843,108, Cl. 521-155.000.
Ruckes, Andreas; Grogler, Gerhard; Kopp, Richard; and Hess, Heinrich, 4,851,567, Cl. 560-330.000.
Ruckes, Andreas; Grogler, Gerhard; and Kopp, Richard, 4,882,361, Cl. 521-51.000.
Sachs, Hanns I.; and Larimer, Donald R., 4,801,631, Cl. 524-18.000.
Sanders, Josef; Reiff, Helmut; Balle, Gerhard; and Dieterich, Dieter, 4,797,427, Cl. 521-159.000.
Sanders, Josef, 4,820,866, Cl. 560-347.000.
Sanders, Josef; Hombach, Rudolf; Reiff, Helmut; Dieterich, Dieter; and Dollhausen, Manfred, 4,870,206, Cl. 560-359.000.
Sasse, Klaus; Hagemann, Hermann; Santel, Hans-Joachim; and Schmidt, Robert R., 4,797,146, Cl. 71-92.000.
Sasse, Klaus; Hanssler, Gerd; Schmitt, Hans-Georg; and Paulus, Wilfried, 4,806,540, Cl. 514-236.500.
Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Krebs, Andreas; Schwamborn, Michael; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,865,641, Cl. 71-90.000.
Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,871,387, Cl. 71-92.000.
Sauer, Heinz; Dallmeyer, Hermann; Zarnack, Uwe J.; Keggenhoff, Berthold; and Weber, Bernd, 4,851,571, Cl. 560-347.000.
Schade, Gerold; Paulus, Wilfried; and Schmitt, Hans-Georg, 4,855,318, Cl. 514-467.000.
Schade, Gerold; Paulus, Wilfried; and Schmitt, Hans-Georg, 4,879,310, Cl. 514-519.000.
Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., 4,806,144, Cl. 71-92.000.
Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,812,165, Cl. 71-92.000.
Schick, Peter; Jonas, Friedrich; and Leitner, Lutz, 4,853,28, Cl. 428-408.000.
Schittenhelm, Hans-Joachim; and Joseph, Werner, 4,847,218, Cl. 501-21.000.
Schmidt, Adolf; and Hendricks, Udo, 4,824,886, Cl. 524-131.000.
Schmidt, Manfred; Sommerfeld, Claus-Dieter; Prolingheuer, Christoph; and Klan, Walter, 4,857,560, Cl. 521-103.000.
Schohe, Rudolf; Glaser, Thomas; Traber, Jorg; and Allen, George S., 4,880,802, Cl. 514-222.200.
Scholl, Thomas; Serini, Volker; Rathmann, Dietrich; Savage, Ross; and Kircher, Klaus, 4,797,435, Cl. 524-89.000.
Scholl, Thomas; Perrey, Hermann; Augustin, Thomas; and Wegner, Christian, 4,870,151, Cl. 528-49.000.
Schonfelder, Lothar; and Franz, Gerhard, 4,798,714, Cl. 423-344.000.
Schriewer, Michael; and Grohe, Klaus, 4,804,760, Cl. 546-153.000.
Schriewer, Michael; Grohe, Klaus; Hagemann, Hermann; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,816,451, Cl. 514-185.000.
Schriewer, Michael; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,841,059, Cl. 546-312.000.
Schriewer, Michael; and Grohe, Klaus, 4,870,182, Cl. 546-156.000.
Schroder, Theo; and Stubbe, Mathias, 4,806,650, Cl. 546-242.000.
Schultz, Klaus-Dieter; Meyer, Rolf-Volker; Fahnler, Friedrich; Dhein, Rolf; and Michael, Dietrich, 4,861,815, Cl. 524-114.000.
Schwamborn, Michael; Klauke, Erich; Schmidt, Robert R.; Santel, Hans-Joachim; and Strang, Robert H., 4,877,443, Cl. 71-92.000.
Schwarz, Hans-Helmut, 4,804,753, Cl. 540-450.000.
Schwenner, Eckhard; Stegelmeier, Hartmut; Kazda, Stanislav; and Knorr, Andreas, 4,861,782, Cl. 514-294.000.
Schwirtlich, Ingo; Lange, Horst; and Kannchen, Werner, 4,837,376, Cl. 423-348.000.
Schwirtlich, Ingo; Woditsch, Peter; and Koch, Wolfgang, 4,877,596, Cl. 423-348.000.
Simon, Gehard; Hahnel, Peter; and Hoffmann, Erhard-Gunther, 4,839,209, Cl. 428-68.000.
Sirinyan, Kirkor; Hildenbrand, Karlheinz; von Gizycki, Ulrich; Merten, Rudolf; Perrey, Hermann; and Wolf, Gerhard D., 4,804,475, Cl. 210-651.000.
Sirinyan, Kirkor; Wolf, Gerhard D.; von Gizycki, Ulrich; and Merten, Rudolf, 4,830,714, Cl. 204-24.000.
Sirinyan, Kirkor; Laue, Hans-Joachim; Merten, Rudolf; Michael, Dietrich; and Tima, Milan-Josef, 4,861,663, Cl. 428-409.000.
Sirrenberg, Wilhelm; Klauke, Erich; Zoebelein, Gerhard; Becker, Benedikt; and Stendel, Wilhelm, 4,826,988, Cl. 548-125.000.
Sirrenberg, Wilhelm; Marhold, Albrecht; and Steffens, Robert, 4,853,397, Cl. 514-364.000.
Sirrenberg, Wilhelm; Marhold, Albrecht; and Wachendorff-Neumann, Ulrike, 4,886,823, Cl. 514-364.000.
Starzewski, K. H. Aleksander Ostoja; and Witte, Josef, 4,833,201, Cl. 525-59.000.
Starzewski, Karl H. A. O.; and Witte, Josef, 4,849,488, Cl. 526-193.000.
Stawitz, Josef-Walter; and Harms, Wolfgang, 4,845,213, Cl. 544-76.000.
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Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,799,951, Cl. 71-92.000.
Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,814,001, Cl. 71-92.000.
Stoltefuss, Jurgen; Boshagen, Horst; Schramm, Matthias; and Thomas, Gunter, 4,822,798, Cl. 514-255.000.
Streicher, Willi; Marzolph, Gerhard; Behre, Horst; and Black, Heinz U., 4,836,959, Cl. 260-508.000.
Stroech, Klaus; Frie, Monika; Bockmann, Klaus; Lurssen, Klaus; and Dutzmann, Stefan, 4,888,048, Cl. 71-92.000.
Tacke, Peter; Grogp, Ulrich; and Idel, Karsten-Josef, 4,841,000, Cl. 525-437.000.
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Tork, Leo; Vogt, Hans-Gunter; and Heins, Ferdinand, 4,880,673, Cl. 427-412.000.
Trabert, Ludwig; Lindner, Christian; Merten, Josef; and Haupt, Heinrich, 4,806,587, Cl. 524-504.000.
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Traubel, Harro; Woynar, Helmut; and Muller, Hans-Werner, 4,831,075, Cl. 524-538.000.
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Wagner, Wolfram; Nyssen, Peter R.; Paulini, Dieter; Berkenhaus, Dirk; and Kulisch, Siegfried, 4,794,751, Cl. 57-308.000.
Wagner, Wolfram; Nyssen, Roger; Berkenhaus, Dirk; and van Pey, Hans-Theo, 4,838,917, Cl. 65-5.000.
Wagner, Wolfram; Paulini, Dieter; and Widder, Peter, 4,854,020, Cl. 28-255.000.
Walzel, Peter; and Juffa, Richard, 4,813,287, Cl. 73-835.000.
Wank, Joachim; Waldenrath, Werner; and Hombach, Rudolf, 4,806,412, Cl. 428-203.000.
Wank, Joachim; Burkhardt, Claus; and Schmoranzer, Hans-Wolfgang, 4,810,321, Cl. 156-244.230.
Wank, Joachim; Waldenrath, Werner; and Reese, Eckart, 4,828,901, Cl. 428-76.000.
Wehinger, Egbert; Meyer, Horst; Knorr, Andreas; and Kazda, Stanislav, 4,798,840, Cl. 514-356.000.
Wehinger, Egbert; Meyer, Horst; Bossert, Friedrich; Vater, Wulf; Towart, Robertson; Stoepel, Kurt; and Kazda, Stanislav, 4,849,433, Cl. 514-356.000.
Wehling, Bernhard; Muller, Josef; and Rosentreter, Helga, 4,834,763, Cl. 8-94.260.
Weimann, Norbert; Dahm, Manfred; Nehen, Ulrich; and Schafer, Walter, 4,804,687, Cl. 521-53.000.
Weimann, Norbert; Dahm, Manfred; Nehen, Ulrich; and Schafer, Walter, 4,882,362, Cl. 521-54.000.
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Weissmuller, Joachim; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,804,406, Cl. 71-121.000.
Weissmuller, Joachim; and Reinecke, Paul, 4,804,659, Cl. 514-237.800.
Weissmuller, Joachim; Reinecke, Paul; and Hanssler, Gerd, 4,824,844, Cl. 514-239.500.
Weissmuller, Joachim; Kramer, Wolfgang; Reinecke, Paul; and Hanssler, Gerd, 4,826,836, Cl. 514-212.000.
Weissmuller, Joachim; Dutzmann, Stefan; and Reinecke, Paul, 4,829,063, Cl. 514-229.200.
Weissmuller, Joachim; and Reinecke, Paul, 4,863,917, Cl. 514-212.000.
Weissmuller, Joachim; Berg, Dieter; Hanssler, Gerd; and Reinecke, Paul, 4,877,786, Cl. 514-236.800.
Wickel, Ulrike; Franz, Gerhard; and Laubach, Benno, 4,845,060, Cl. 501-97.000.
Willenberg, Bernd, 4,828,775, Cl. 264-103.000.
Wingler, Frank; Summermann, Klaus; Wassmuth, Gerd; Pischtschan, Alfred; and Doring, Joachim, 4,795,780, Cl. 525-53.000.
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Wirth, Wolfgang; Niessen, Heinz J.; Goossens, John W. S.; and Schulze, Hans, 4,824,663, Cl. 424-78.000.
Wittmann, Dieter; Lindner, Christian; Kress, Hans-Jurgen; Peters, Horst; and Schoeps, Jochen, 4,804,708, Cl. 525-67.000.
Wittmann, Dieter; Westeppe, Uwe; Idel, Karsten-Josef; Lindner, Christian; Merten, Josef; and Selbeck, Harald, 4,822,852, Cl. 525-66.000.
Wittmann, Dieter; Kress, Hans-Jurgen; Ott, Karl-Heinz; and Lindner, Christian, 4,866,123, Cl. 525-67.000.
Wittmann, Dieter; Kress, Hans-Jurgen; Bottenbruch, Ludwig; Leitz, Edgar; and Peters, Horst, 4,882,381, Cl. 525-63.000.
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Wolf, Gerhard D.; Sirinyan, Kirkor; von Gizycki, Ulrich; and Merten, Rudolf, 4,847,139, Cl. 428-209.000.
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Wolf, Klaus-Dieter; and Kogelnik, Hans-Joachim, 4,833,176, Cl. 521-160.000.
Wollweber, Detlef; Brandes, Wilhelm; Dutzmann, Stefan; and Hanssler, Gerd, 4,849,435, Cl. 514-343.000.
Wollweber, Detlef; and Dutzmann, Stefan, 4,871,761, Cl. 514-438.000.
Woynar, Helmut; Konig, Klaus; Pedain, Josef; and Slack, William E., 4,837,359, Cl. 560-335.000.
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Yang, Ming-he; Chen, Yan-rong; Liu, Geng-tao; and Huang, Liang, 4,826,873, Cl. 514-467.000.
Zaby, Gottfried; Judat, Helmut; Humburger, Siegbert; de Vos, Stefaan; and Eckermann, Rolf W., 4,851,570, Cl. 560-347.000.
Zander, Hans-Gunter; Bornefeld, Horst; and Holle, Bernd-Michael, 4,880,169, Cl. 241-5.000.
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Zerbes, Rudolf; Linke, Siegfried W.; and Mohrmann, Karl H., 4,886,892, Cl. 549-519.000.
Bayer, Antonius L.; Bles, Bernhardus A. L.; Hands, Godfrey; and Hovden, Dag A., to SKF Industrial Trading and Development Co. B.V. Pivot ring. 4,798,299, 1-17-89, Cl. 212-157.000.
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Bayer, Franz, to Franz Xaver Bayer Isolierglasfabrik KG. Spacer frame for insulating-glass panes and method and apparatus for treating the same. 4,817,354, 4-4-89, Cl. 52-302.000.
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Bayer, Helmut, to Electrovac, Fabrikation Elektrotechnischer Spezialartikel Gesellschaft m.b.H. Process for the adjustment of a thermal switch. 4,825,186, 4-25-89, Cl. 337-360.000.
Bayer, Helmut; and Sekira, Peter, to Electrovac, Fabrikation, Elektrotechnischer Spezialartike. Process for connecting conductive parts of an electrical switch component. 4,861,954, 8-29-89, Cl. 200-284.000.
Bayer, Helmut, to Electrovac Fabrikation Elektrotechnischer Spezialartikel Gesellschaft m.b.H. Apparatus for regulation or limitation of temperature. 4,889,971, 12-26-89, Cl. 219-449.000.
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Bravet, Jean-Louis; Toytot, Francois; Leyens, Gerd; Pikhardt, Siegfried; and Bayer, Herbert, 4,871,579, Cl. 427-31.000.
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Bayer, John W., to Anchor Hocking Corporation. Thermoset polymer coating with organopolysiloxane for closure assembly. 4,835,035, 5-30-89, Cl. 428-187.000.
Bayer, John W.; Dullabaun, Paul W.; and Swierczek, Zbigniew, to Anchor Hocking Corporation. Press-on, twist-off plastisol-lined metal closure. 4,863,030, 9-5-89, Cl. 206-427.000.
Bayer, Oswald; and Grehn, Martin, to FAG Kugelfischer Georg Schafer (KGaA). Highly loaded case hardened ring. 4,813,795, 3-21-89, Cl. 384-569.000.
Bayer, Oswald, to FAG Kugelfischer Georg Schafer (KGaA). Antifriction bearing with pulse ring for measurement of speed rotation. 4,850,722, 7-25-89, Cl. 384-448.000.
Bayer, Oswald, to FAG Kugelfischer Georg Schafer (KGaA). Cage for ball bearings. 4,886,379, 12-12-89, Cl. 384-523.000.
Bayer, Robert; Boettger, Guenter; Hiller, Rainer; Huber, Michael; Koernig, Wolfgang; and Fritz, Wolfgang, to BASF Aktiengesellschaft. Preparation of a low-dust free-flowing choline chloride powder. 4,820,532, 4-11-89, Cl. 426-74.000.
Bayer, Thomas; Elsasser, Michael; Greschner, Johann; Schmid, Heinrich; Stohr, Roland; Wolter, Olaf; and Wittlinger, Jurgen, to International Business Machines Corporation. Contact probe arrangement for electrically connecting a test system to the contact pads of a device to be tested. 4,843,315, 6-27-89, Cl. 324-158.00P.
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Matschinsky, Wolfgang, 4,828,279, Cl. 280-690.000.
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Nehls, Wolfgang, 4,809,121, Cl. 361-1.000.
Probst, Max J., 4,849,894, Cl. 364-431.010.
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Temmesfeld, Axel; and Tauber, Karl, 4,823,862, Cl. 165-104.320.
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Winkam, Gamjad; and Lommerzheim, Manfred, 4,811,628, Cl. 74-710.500.
Bayerkohler, Mark A.; and Maruska, William O., to Honeywell Inc. Detonator. 4,831,932, 5-23-89, Cl. 102-202.500.

- Bayerlein, Friedrich; Kuhn, Manfred; and Maton, Michel, to Diamalt Aktiengesellschaft. Gelling agents and thickeners based on cassia-galactomannans. 4,826,700, 5-2-89, Cl. 426-573.000.
- Bayerlein, Friedrich; Keramaris, Nikolaos; Kottmair, Nikolaus; Kuhn, Manfred; and Maton, Michel M., to Diamalt Aktiengesellschaft. Process for producing colorless, odorless and tasteless cassia endosperm flour. 4,840,811, 6-20-89, Cl. 426-430.000.
- Bayerlein, Friedrich K.; Leuerer, Dietrich R. K.; and Rindfleisch, Karl H., to Koenig & Bauer Aktiengesellschaft. Device for the control of rotary printing machines. 4,812,842, 3-14-89, Cl. 340-825.720.
- Bayern-Chemie Gesellschaft fur flugchemische Antriebe mbH: *See*—
  - Strecker, Ruediger, 4,798,636, Cl. 149-19.900.
  - Vockensperger, Hubert; Hieble, Franz; and Gebbhardt, Robert, 4,805,534, Cl. 102-489.000.
  - Vockensperger, Hubert; Hieble, Franz; and Gebhardt, Robert, 4,807,534, Cl. 102-489.000.
  - Zeuner, Siegfried; and Holzinger, Walter, 4,834,817, Cl. 149-35.000.
  - Zeuner, Siegfried; and Holzinger, Walter, 4,865,667, Cl. 149-22.000.
- Bayes, Bruce D.: *See*—
  - Romero, Bernardino S., Sr.; and Bayes, Bruce D., 4,865,344, Cl. 280-242.000.
- Bayes Turull, Ramon: *See*—
  - Escola Gallart, Ramon; and Bayes Turull, Ramon, 4,837,039, Cl. 426-572.000.
- Bayh, Russell I., III: *See*—
  - Bullard, Roy P.; and Bayh, Russell I., III, 4,811,959, Cl. 277-124.000.
- Bayha, Allan T. Door operator pre-warning system. 4,821,024, 4-11-89, Cl. 340-545.000.
- Bayha, Heiner: *See*—
  - Andrei-Alexandru, Marcel; Bayha, Heiner; Brunn, Rainer; and Maier, Iris, 4,876,909, Cl. 74-411.500.
- Bayha, Kurt; and Weyl, Helmut, to Robert Bosch GmbH. Combustion exhaust gas sensor structure, particularly for automotive engine exhaust gases. 4,818,363, 4-4-89, Cl. 204-426.000.
- Bayle-Laboure, Gerard J. P.: *See*—
  - Barbier, Gerard Y. G.; Bayle-Laboure, Gerard J. P.; Desaulty, Michel A. A.; Martinez, Rodolphe; and Perigne, Jerome, 4,809,512, Cl. 60-748.000.
- Bayless, Allan V.: *See*—
  - Huang, Chau-Ting; Pelosi, Stanford S., Jr.; and Bayless, Allan V., 4,882,354, Cl. 514-461.000.
  - Moorehead, Thomas J.; and Bayless, Allan V., 4,800,194, Cl. 514-89.000.
- Bayless, Arden D.: *See*—
  - Baughman, Joseph W.; and Bayless, Arden D., 4,828,520, Cl. 441-40.000.
- Bayless, Gary. Library structure for video library of real estate properties. 4,821,469, 4-18-89, Cl. 52-33.000.
- Bayless, Jack H.; and Williams, Robert E., to Novatec Production Systems, Inc. Recovery of viscous oil from geological reservoirs using hydrogen peroxide. 4,867,238, 9-19-89, Cl. 166-261.000.
- Bayless, John H.: *See*—
  - Ashcraft, Robert W.; and Bayless, John H., 4,869,955, Cl. 428-327.000.
- Bayless, William B. Button activated automatic needle sheath for disposable syringe. 4,850,977, 7-25-89, Cl. 604-198.000.
- Bayless, William B. Automatic needle sheath for disposable syringe. 4,863,434, 9-5-89, Cl. 604-198.000.
- Bayley, Brian J., to Hewlett-Packard Company. Mounting for a sapphire ball in a bar code reader wand tip. 4,855,582, 8-8-89, Cl. 235-472.000.
- Baylink, David J.: *See*—
  - Grodberg, Marcus G.; and Baylink, David J., 4,859,467, Cl. 424-606.000.
- Baylock, Gerald A., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Current surge elimination for CMOS devices. 4,815,041, 3-21-89, Cl. 365-233.000.
- Baylor, Charles, Jr. Process for preparation of electrophoresis gel material. 4,863,647, 9-5-89, Cl. 264-22.000.
- Baylor College of Medicine: *See*—
  - Chang, Donald C., 4,822,470, Cl. 204-299.00R.
  - Evans, Dolores G.; Evans, Doyle J.; and Graham, David Y., 4,882,271, Cl. 435-7.000.
  - Gerow, Frank J., 4,795,463, Cl. 623-8.000.
  - Hull, Richard A.; Hull, Sheila I.; and Nowicki, Bogdan, 4,882,425, Cl. 530-396.000.
  - Kellems, Rodney E.; and Yeung, Cho-Yau, 4,822,736, Cl. 435-91.000.
  - Kit, Malon; and Kit, Saul, 4,824,667, Cl. 424-89.000.
  - Lam, Dominic M-K.; and Kelleher, Peter J., 4,871,350, Cl. 604-49.000.
  - Moake, Joel L.; Phillips, Martin D.; McIntire, Larry V.; and Hellums, Jesse D., 4,880,788, Cl. 514-150.000.
- Baylor Research Foundation: *See*—
  - Judy, Millard M.; Matthews, James L.; Newman, Joseph T.; and Sogandares-Bernal, Franklin, 4,878,891, Cl. 604-5.000.
- Bayly, Peter K.; Oretti, John E.; and Mote, Michael J., to Peter Bayly Associates Australia Pty. Ltd. Metering dispenser. 4,805,815, 2-21-89, Cl. 222-644.000.
- Bayly, Peter K., to Kingsley Nominees Pty. Ltd. Whisk. 4,836,688, 6-6-89, Cl. 366-342.000.
- Bayly, Robert M.: *See*—
  - Carpenter, Charles T.; and Bayly, Robert M., 4,850,408, Cl. 144-241.000.
- Baymak, Faruk; and Stueben, Helmut, to Messerschmitt-Bolkow-Blohm GmbH. Seat for a vehicle, especially an aircraft seat. 4,799,632, 1-24-89, Cl. 244-122.00R.
- Baymak, Faruk; and Stueben, Helmut, to Messerschmitt-Bolkow-Blohm GmbH. Flight attendant seat and its arrangement in an aircraft. 4,832,404, 5-23-89, Cl. 297-333.000.
- Bayman, Hal: *See*—
  - Gibson, Jeffrey W.; and Bayman, Hal, 4,881,085, Cl. 346-75.000.
- Baymiller, Snaron R. Device for picking up animal feces. 4,854,624, 8-8-89, Cl. 294-1.300.
- Bayne, Irman D., to Medical Dynamics, Inc. Cervical cytology device. 4,873,992, 10-17-89, Cl. 128-756.000.
- Bayne, Marvin L.: *See*—
  - Applebaum, Joy D.; Bayne, Marvin L.; and Cascieri, Margaret A., 4,876,242, Cl. 514-3.000.
- Baynes, Dennis, to General Motors Corporation. Closure latch. 4,796,930, 1-10-89, Cl. 292-58.000.
- Baynes, Dennis, to General Motors Corporation. Closure latch. 4,810,012, 3-7-89, Cl. 292-28.000.
- Baynes, Dennis, to General Motors Corporation. Vehicle window regulator retractable winder apparatus and method. 4,858,489, 8-22-89, Cl. 74-547.000.
- Baynes, Dennis, to General Motors Corporation. Method of mounting and regulating a vehicle opening device utilizing a winder. 4,860,423, 8-29-89, Cl. 29-434.000.
- Bayo, Luis E. Illuminated house number device. 4,854,062, 8-8-89, Cl. 40-551.000.
- Bayoumi, Salah E. A., to Bayoumi, Salah E. A.; and Souka, Abbas F. Endless belt-type drive mechanism. 4,856,853, 8-15-89, Cl. 305-35.0EB.
- Bayraktaroglu, Burhan, to Texas Instruments Incorporated. Process for fabricating monolithic microwave diodes. 4,859,633, 8-22-89, Cl. 437-211.000.
- Bays, David E.; Webb, Colin F.; and Dowle, Michael D., to Glaxo Group Limited. 5-substituted 3-aminoalkyl indoles. 4,839,377, 6-13-89, Cl. 514-415.000.
- Bays, David E.: *See*—
  - Butina, Darko; Dowle, Michael D.; Bays, David E.; and Webb, Colin F., 4,876,267, Cl. 514-415.000.
  - Oxford, Alexander W.; Coates, Ian H.; Bays, David E.; Webb, Colin F.; Dowle, Michael D.; Mills, Keith; and Eldred, Colin D., 4,855,314, Cl. 514-415.000.
  - Oxford, Alexander W.; Coates, Ian H.; Bays, David E.; and Webb, Colin F., 4,870,096, Cl. 514-415.000.
- Bays, F. Barry; and Marchand, Sam R., to Richards Medical Company. Metal core ossicular replacement prosthesis. 4,871,364, 10-3-89, Cl. 623-10.000.
- Bays, F. Barry; Trott, Arthur F.; and Marchand, Sam R., to Concept, Inc. Tack and applicator for treating torn bodily material in vivo. 4,884,572, 12-5-89, Cl. 128-334.00R.
- Bays, Marvin G., to Mertz, Inc. Electrical control system. 4,802,787, 2-7-89, Cl. 404-90.000.
- Bays, Marvin G., to Atlantic Richfield Company. Inclinable vibratory seismic source. 4,853,907, 8-1-89, Cl. 367-189.000.
- Bays, Marvin G.: *See*—
  - Willis, Howard A.; Bays, Marvin G.; and Munoz, Jose P., 4,842,094, Cl. 181-114.000.
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- Baytec, Inc.: *See*—
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- Baz, Dan G.: *See*—
  - Bonjour, Jacques L.; and Baz, Dan G., 4,837,405, Cl. 174-36.000.
- Bazarov, Babamurad A.: *See*—
  - Nurmamedov, Narzy N.; Gonchar, Valery I.; Bazarov, Babamurad A.; Nurmukhamedov, Arslan; Skrylnikova, Irina V.; Mustaev, Ilyas A.; and Varshavsky, Valery L., 4,871,362, Cl. 623-6.000.
- Bazes, Mel, to Intel Corporation. CMOS input buffer with switched capacitor reference voltage generator. 4,849,661, 7-18-89, Cl. 307-475.000.
- Bazil, John C.; and Goddard, Donald G., to Advanced Micro Devices, Inc. Master-slave D-type flip-flops with improved voltage offset means. 4,825,097, 4-25-89, Cl. 307-272.200.
- Bazin, Simone P.: *See*—
  - Keeffe, William M.; Karlotski, Robert J.; Kulik, Joseph S.; and Bazin, Simone P., 4,888,517, Cl. 313-25.000.
- Bazin, Viktor A.: *See*—
  - Barinov, Alexei P.; Bazin, Viktor A.; Maxak, Vladislav I.; and Rakityansky, Vasily N., 4,862,720, Cl. 72-144.000.
- Bazinet, Marc; and Sauron, Jean, to Gaz de France; and Societe Joseph Sauron Material Industriel. Apparatus for positioning the end of a first elongated synthetic piece with at least the end of a second elongated synthetic piece, for the coupling thereof. 4,856,168, 8-15-89, Cl. 29-272.000.
- Baziuk, Morris. Hoist for use at a manhole. 4,838,439, 6-13-89, Cl. 212-254.000.
- Bazydola, Stanley J., Jr.: *See*—
  - Moore, Thomas A.; Bazydola, Stanley J., Jr.; and Depietro, Richard A., 4,808,072, Cl. 416-5.000.
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  - Dunski, Neil; and Bazzi, Ali A., 4,806,675, Cl. 560-75.000.

- Bazzoni, Bruno: *See*—
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- BBC Brown Boveri AG: *See*—
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  - Ackermann, Ulrich; Faller, Kurt; Guzek, Krzysztof; and Meier, Arnold, 4,839,482, Cl. 200-148.00B.
  - Adam, Bruno; Jaecklin, Andre; and Vlasak, Thomas, 4,806,497, Cl. 437-006.000.
  - Ammann, Urs; Dobler, Thomas; Maschek, Martin; and Mastner, Georg, 4,810,873, Cl. 250-227.000.
  - Baumann, Hans; and Stucki, Samuel, 4,836,929, Cl. 210-638.000.
  - Boksberger, Hans U.; Jud, Markus; and Wettstein, Anton, 4,811,032, Cl. 343-876.000.
  - Boksberger, Hans-Ulrich; and Tomljenovic, Juraj, 4,860,160, Cl. 361-279.000.
  - Brand, Klaus-Peter; Kopainsky, Jurgen; and Wittwer, Fritz, 4,878,185, Cl. 364-572.000.
  - Braun, Walter; and Hagmann, Walter, 4,799,238, Cl. 375-56.000.
  - Braun, Walter, 4,859,957, Cl. 329-50.000.
  - Braun, Walter; and Habermann, Joachim, 4,872,185, Cl. 375-106.000.
  - Breitenmoser, Georg; and Faber, Guy, 4,817,859, Cl. 228-226.000.
  - Broich, Bruno; and Gruning, Horst, 4,862,239, Cl. 357-38.000.
  - Butikofer, Jurg; and Meyer, Hans, 4,881,872, Cl. 415-143.000.
  - Coppi, Bruno; Koch, Alfred; Lanzavecchia, Lorenzo; and Rauch, Jon, 4,851,180, Cl. 376-142.000.
  - Couper, Malcolm J., 4,832,741, Cl. 75-249.000.
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  - Dzung, Dacfey, 4,882,737, Cl. 375-15.000.
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  - Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, 4,838,783, Cl. 431-284.000.
  - Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, 4,850,194, Cl. 60-737.000.
  - Garbe, Heino; Hansen, Diethard; and Konigstein, Dietrich, 4,845,378, Cl. 307-106.000.
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  - Hansen, Diethard; and Konigstein, Dietrich, 4,837,581, Cl. 343-703.000.
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  - Hellat, Jaan; and Keller, Jakob, 4,805,411, Cl. 60-733.000.
  - Hirth, Michael; and Weigart, Norbert, 4,813,978, Cl. 55-5.000.
  - Hirth, Michael; and Wiegart, Norbert, 4,880,685, Cl. 423-210.000.
  - Jaecklin, Andre; Roggwiller, Peter; Veitz, Rudolf; and Vlasak, Thomas, 4,843,449, Cl. 357-38.000.
  - Jongenburger, Peter; and Singer, Robert, 4,798,625, Cl. 75-235.000.
  - Kaufmann, Meinolph; Kloti, Karl; Nehring, Jurgen; and Schad, Hanspeter, 4,812,635, Cl. 250-231.00R.
  - Keller, Jakob; and Sattelmayer, Thomas, 4,867,674, Cl. 431-351.000.
  - Kirchhofer, Hubert; and Mayer, Andreas, 4,808,082, Cl. 417-64.000.
  - Kirchhofer, Rolf; and Schad, Hanspeter, 4,804,264, Cl. 356-44.000.
  - Kloucek, Franz; Larsson, Per-Olof; and Vogt, Ernst, 4,832,253, Cl. 228-123.000.
  - Kloucek, Franz, 4,856,702, Cl. 228-123.000.
  - Kloucek, Franz; Larsson, Per-Olof; and Vogt, Ernst, 4,875,613, Cl. 228-44.300.
  - Kluge, Dietrich, 4,797,781, Cl. 361-332.000.
  - Knaffl, Berislav; Knapp, Peter; Rufer, Alfred-Christophe; Zurcher, Urs; and Gotaas, Birger, 4,800,481, Cl. 363-70.000.
  - Kolb, Roland; and Weber, Jurg, 4,861,244, Cl. 418-15.000.
  - Koromzay, Tibor, 4,841,117, Cl. 219-76.100.
  - Kotz, Rudiger; Schuler, Claus; and Stucki, Samuel, 4,839,007, Cl. 204-149.000.
  - Kreitmeier, Franz, 4,802,821, Cl. 415-210.000.
  - Kyrian, Bohumil; and Tschol, Wilhelm, 4,864,635, Cl. 455-108.000.
  - Maschek, Martin; Mastner, Georg; and Tomic, Branko, 4,802,731, Cl. 350-96.230.
  - Maschek, Martin; and Mastner, Georg, 4,810,891, Cl. 250-551.000.
  - Mathews, Hans-Gunter; and Schafheitle, Oskar, 4,878,037, Cl. 333-254.000.
  - Mayer, Andreas, 4,798,049, Cl. 60-276.000.
  - Mayer, Andreas, 4,838,234, Cl. 123-559.200.
  - Nazmy, Mohamed, 4,820,354, Cl. 148-2.000.
  - Nazmy, Mohamed Y., 4,795,507, Cl. 148-11.50N.
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  - Perevuznik, Josef; Spinnler, Fritz; and Weber, Jurg, 4,883,413, Cl. 418-55.000.
  - Plangger, Rico; and Prochazka, Kamil, 4,812,602, Cl. 200-80.00R.
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  - Stadelmann, Peter W., 4,850,091, Cl. 29-402.080.
  - Verpoort, Clemens, 4,817,858, Cl. 228-193.000.
  - Verpoort, Clemens, 4,869,645, Cl. 416-241.00R.
  - Zurcher, Urs, 4,888,676, Cl. 363-58.000.
- BBC Brown Boveri Aktiengesellschaft: *See*—
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  - Harbach, Friedrich; Knodler, Reinhard; Krapf, Rudolf; Mennicke, Stefan; and Weiler, Ludwig, 4,800.143, Cl. 429-153.000.
  - Hauser, Ulrich; and Steinstrasser, Frank, 4,851,084, Cl. 201-1.000.
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  - Meinhold, Henner; Ziegenbein, Botho; and Petri, Gunther, 4,879,188, Cl. 429-7.000.
  - Rohs, Ulrich; and Voigt, Dieter, 4,825,692, Cl. 73-118.100.
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  - Steinleitner, Gunther; Mennicke, Stefan; Feindler, Philbert; Klein, Herbert; and Maldonado-Zagal, Sigisfredo, 4,853,303, Cl. 429-104.000.
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- BBC Brown Boveri Canada, Inc.: *See*—
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- BBC Brown Boveri & Co., Ltd.: *See*—
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  - Albrecht, Joachim; and Duerig, Thomas, 4,808,246, Cl. 148-11.50Q.
  - Barcella, Santino; Befeld, Manfred; Faber, Guy; and Slepcevic, Paul, 4,812,107, Cl. 416-191.000.
  - Beer, Hans-Rudolf; Britsch, Helmut; Kaiser, Tony; Maier, Gunther; and Muff, Alois, 4,805,064, Cl. 361-117.000.
  - Beer, Hans-Rudolf; Britsch, Helmut; Julke, Elias; and Kaiser, Tony, 4,818,319, Cl. 156-192.000.
  - Braun, Walter; Hagmann, Walter; Hanselmann, Urs; Maibach, Bruno; and Schranz, Peter, 4,800,363, Cl. 340-310.00A.
  - Braun, Walter; and Hagmann, Walter, 4,809,296, Cl. 375-1.000.
  - Broich, Bruno; Gobrecht, Jens; Roggwiller, Peter; and Voboril, Jan, 4,829,348, Cl. 357-22.000.
  - Brunner, Kurt; Fischer, Rudolf; and Giese, Klaus, 4,796,283, Cl. 377-6.000.
  - Duffour, Henri; Martin, Serge; and Studer, Ernst, 4,877,928, Cl. 200-144.00R.
  - El-Nashar, Ibrahim; Jaussi, Francois; Kirchhofer, Hubert; Komauer, Christian; Mayer, Andreas; Perevuznik, Josef; and Spinnler, Fritz, 4,796,595, Cl. 123-559.200.
  - Gobrecht, Jens; Roggwiller, Peter; Sittig, Roland; and Voboril, Jan, 4,801,554, Cl. 437-6.000.
  - Gunther, Christoph-Georg, 4,817,145, Cl. 380-47.000.
  - Johner, Heinz, 4,800,257, Cl. 235-472.000.
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  - Lageder, Heinrich; Masek, Jaroslav; and Prochazka, Kamil, 4,801,216, Cl. 403-24.000.
  - Lageder, Heinrich; Masek, Jaroslav; and Prochazka, Kamil, 4,802,403, Cl. 91-374.000.
  - Maier, Gunther; Mosele, Joseph; and Perkins, Roger, 4,811,478, Cl. 29-613.000.
  - Meier, Erwin, 4,833,886, Cl. 60-602.000.
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  - Tschudi, Christoph; and Wittwer, Fritz, 4,797,587, Cl. 307-646.000.
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  - Suzuki, Akinori; Be Hyeon, Suong; Kajita, Toshio; Furushima, Masakazu; and Tanaka, Akinori, 4,799,950, Cl. 71-89.000.
- Beach, Daryl R.; and Hayashi, Kazuo, to Kabushiki Kaisha Morita Seisakusho. Treatment chair assembly. 4,836.603, 6-6-89, Cl. 297-193.000.
- Beach, David: *See*—
  - Bustamante, Carlos; Husher, Frederick K.; and Beach, David, 4,881,818, Cl. 356-367.000.
- Beach, David E., to Eastman Kodak Company. Film cassette. 4,875,637, 10-24-89, Cl. 242-71.100.
- Beach, David E., to Eastman Kodak Company. Film cassette. 4,880,179, 11-14-89, Cl. 242-71.100.
- Beach, Glenn R., to Westinghouse Electric Corp. Small diameter tow cable. 4,816,620, 3-28-89, Cl. 174-115.000.
- Beach, Glenn R.; Wheeler, Myron S.; and Jakubowski, Paul R., to Westinghouse Electric Corp. Lightning hardened tether cable and an aerostat tethered to a mooring system therewith. 4,842,221, 6-27-89, Cl. 244-115.000.
- Beach, Kerry B.: *See*—
  - Harsch, Curtis L.; and Beach, Kerry B., 4,875,176, Cl. 364-557.000.
- Beach, Lucinda M., to Varian Associates, Inc. Matrix modifier and method for modifying a matrix to improve analysis of metal constituents during graphite furnace atomic absorption spectroscopy. 4,806,489, 2-21-89, Cl. 436-82.000.
- Beach, Robert E., to Boeing Company, The. Removable enclosure handle and handle receiver assembly. 4,827,567, 5-9-89, Cl. 16-114.00R.
- Beach, Wayne H.; Montgomery, Robert H.; and Burns, Lawrence R., to Kennametal Inc. Rotatable cutting bit. 4,850,649, 7-25-89, Cl. 299-92.000.

Beacham, Lowrie M., III; LeBlanc, Harry S.; and Freeman, George A., to Burroughs Wellcome Co. Antibacterial treatment. 4,874,751, 10-17-89, Cl. 514-50.000.

Beachboard, Stephen A. Advanced zone damper system. 4,819,716, 4-11-89, Cl. 165-21.000.

Beachell, Vicki T., to ICI Americas Inc. Nonalcoholic sunscreen gel. 4,840,788, 6-20-89, Cl. 424-59.000.

Beachy, Robert W.; Ellson, Bart T.; Kakuk, Jay J.; and Peterson, Gerald E., to Toro Company, The. Convertible light fixture. 4,870,548, 9-26-89, Cl. 362-145.000.

Beachy, Robert W.: *See—*
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Boris, Felicia J.; and Beagle, Charles A., 4,818,421, Cl. 252-8.800.

Beagley, Jerry D., to Jerry Beagley Braiding Co., Inc. Device for attaching a retaining string to headwear. 4,841,576, 6-27-89, Cl. 2-189.000.

Beakley, Bruce E.; and Flanders, Thomas E., to Trilogy Systems Corporation. Linear motor. 4,839,543, 6-13-89, Cl. 310-12.000.

Beal, Christopher I.: *See—*
DiVito, Fred; and Beal, Christopher I., 4,887,323, Cl. 4-577.000.

Beal, Glenn I., to Rain Bird Consumer Products Mfg. Corp. Contour control device for rotary irrigation sprinklers. 4,819,875, 4-11-89, Cl. 239-97.000.

Beal, Lawrence E., to Eagle-Picher Industries, Inc. Apparatus for cooling a web. 4,889,146, 12-26-89, Cl. 134-64.00R.

Beal, William S.: *See—*
Ferree, Herbert E.; and Beal, William S., 4,854,945, Cl. 55-55.000.

Beale, Alvin F., Jr.; and Hoblit, Louis D., to Dow Chemical Company, The. Carbon black inhibition of pitch polymerization. 4,806,227, 2-21-89, Cl. 208-22.000.

Beale, Alvin F., Jr.: *See—*
McCullough, Francis P., Jr.; and Beale, Alvin F., Jr., 4,865,931, Cl. 429-194.000.

Beale, William T., to Sunpower, Inc. Sliding surface lubrication particularly advantageous for a free piston stirling engine. 4,802,332, 2-7-89, Cl. 60-520.000.

Beale, William T.; and Berchowitz, David M., to Sunpower, Inc. Stirling engine power regulation system. 4,805,408, 2-21-89, Cl. 60-520.000.

Beale, William T., to Sunpower, Inc. Magnetic driven hydrodynamic lubrication system for free piston stirling engine. 4,888,950, 12-26-89, Cl. 60-520.000.

Beale, William T., to Sunpower, Inc. Phase synchronization and vibration cancellation for free piston Stirling machines. 4,888,951, 12-26-89, Cl. 60-520.000.

Beall, Frank C.: *See—*
Shearer, Dwayne M.; Beetham, Richard C.; Beall, Frank C.; and Rodgers, John M., 4,856,334, Cl. 73-588.000.

Beall, Gary W.: *See—*
Eilliott, Donald R.; and Beall, Gary W., 4,874,728, Cl. 501-148.000.
Powell, Thomas W., Jr.; Schulz, Anthony A.; and Beall, Gary W., 4,861,584, Cl. 424-79.000.

Beall, George H.; Pierson, Joseph E.; and Stookey, Stanley D., to Corning Glass Works. Strengthened glass article and method. 4,814,297, 3-21-89, Cl. 501-7.000.

Beall, George H.; Pierson, Joseph E.; and Quinn, Candace J., to Corning Incorporated. Alkali zinc aluminophosphate glass-ceramics. 4,874,724, 10-17-89, Cl. 501-10.000.

Beall Oil Company: *See—*
Setzer, Robert D., Sr., 4,865,731, Cl. 210-232.000.

Beall, Paul F.; and Harlan, Eugene G., to Arachnid, Inc. Dart game with programmable displays. 4,824,121, 4-25-89, Cl. 273-376.000.

Beall, Richard W., Jr. Water purifier valve. 4,808,302, 2-28-89, Cl. 210-117.000.

Beall, Richard W., Jr. Leak-proof water processing unit. 4,859,320, 8-22-89, Cl. 210-136.000.

Beall, Richard W., Jr. Direct acting reverse osmosis water purifier valves. 4,885,085, 12-5-89, Cl. 210-137.000.

Beals, Penny L.; Simon, Phyllis M.; and Campbell, Bruce D., to Raychem Corp. Optical fiber tap. 4,822,125, 4-18-89, Cl. 350-96.150.

Beals, Richard G. Fully automatic garage door opener. 4,843,639, 6-27-89, Cl. 455-603.000.

Beam, Dennis A., Jr.: *See—*
Sarazen, Paul M., Jr.; and Beam, Dennis A., Jr., 4,821,628, Cl. 98-29.000.

Beam, Don E.; and Sampson, Harold J., to NCR Corporation. Process and apparatus for retaining a circuit board in a mounted position in a computer housing. 4,890,198, 12-26-89, Cl. 361-399.000.

Beam, Don E.: *See—*
Lyons, Dale R.; Lawter, Raymond L.; and Beam, Don E., 4,811,579, Cl. 70-85.000.
Lyons, Dale R.; and Beam, Don E., 4,873,850, Cl. 70-85.000.

Beam, Jerry E.: *See—*
Kennel, Elliot B.; Mahefkey, Edward T.; and Beam, Jerry E., 4,809,771, Cl. 165-10.000.
Leonard, John F.; and Beam, Jerry E., 4,885,129, Cl. 419-2.000.

Beam, John W.: *See—*
Paquette, Edmund T.; and Beam, John W., 4,878,583, Cl. 211-41.000.

Beam Laser Systems, Inc.: *See—*
Perine, Michael C.; and Softley, Eric J., 4,814,883, Cl. 358-181.000.

Beaman, David R.; Grossman, James M.; and Bello, Alfonso, to Armstrong Blum Mfg. Programmable band saw and method of sawing. 4,866,630, 9-12-89, Cl. 364-474.020.

Beaman, Donald R.: *See—*
Pyzik, Aleksander J.; Dubensky, William J.; Schwarz, Douglas B.; and Beaman, Donald R., 4,883,776, Cl. 501-10.000.

Beamenderfer, Robert E.; Conley, Larry E.; Miller, Charles A.; Nauman, Warren D.; Pala, Ronald S.; and Zelko, William E., to AMP Incorporated. Electrical cable assembly with selected side cable entry. 4,834,674, 5-30-89, Cl. 439-494.000.

Beamenderfer, Robert E.; Long, William B.; and Shuey, John R., to AMP Incorporated. Electrical connector assembly with lead frame. 4,880,388, 11-14-89, Cl. 439-108.000.

Beamer, Henry E.; and Buchanan, William J., to General Motors Corporation. Header plate for pressure vessels, heat exchangers and the like. 4,881,594, 11-21-89, Cl. 165-173.000.

Beamish, Jerald K.; and Foster, H. Dell, to General Dynamics Corporation. Vision metrology system. 4,825,394, 4-25-89, Cl. 364-571.010.

Beamish, Linda Koch: *See—*
Koch, Frank J., 4,859,127, Cl. 411-16.000.

Bean, Arthur R.: *See—*
Rhodes, Robert B.; and Bean, Arthur R., 4,849,481, Cl. 525-314.000.

Bean, Donald E.; and Coleman, Billy M., to Sperry Marine Inc. Step data processor for 180X and 90X compass synchro data. 4,890,10 12-26-89, Cl. 341-116.000.

Bean, Eric S.: *See—*
Vodian, Morton A.; Bean, Eric S.; and LeMoine, Eric D. 4,853,325, Cl. 435-5.000.

Bean, Frederick R.: *See—*
O'Banion, Michael L.; Bean, Frederick R.; and Caruglieri, Andrea 4,827,819, Cl. 83-471.300.

Bean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.; Scanlon, John F.; and Wyman, Leslie W., to International Business Machines Corporation. Logical resource partitioning of a data processing system. 4,843,541, 6-27-89, Cl. 364-200.000.

Bean, Jeffrey W. Rotating ring game. 4,836,540, 6-6-89, Cl. 273-1.0GG

Bean, John C.; Feldman, Leonard C.; and Fiory, Anthony T., to American Telephone and Telegraph Company, AT&T Bell Laboratories Semiconductor heterostructures having Ge_xSi_{1-x} layers on Si utilizing molecular beam epitaxy. 4,861,393, 8-29-89, Cl. 148-33.400.

Bean, John C.; and Ourmazd, Abbas, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of controlling the order-disorder state in a semiconductor device. 4,879,25 11-7-89, Cl. 437-131.000.

Bean, Kenneth E.: *See—*
Malhi, Satwinder; Bean, Kenneth E.; Driscoll, Charles C.; and Chatterjee, Pallab K., 4,855,809, Cl. 357-75.000.
Malhi, Satwinder D. S.; Shen, Chi-Cheong; Bean, Kenneth E.; and Chang, Peng-Heng, 4,875,086, Cl. 357-54.000.
Spratt, David B.; Zorinsky, Eldon J.; Virkus, Robert L.; Bean, Kenneth E.; and Yeakley, Richard L., 4,849,370, Cl. 437-71.000.

Bean, Lloyd F., to Xerox Corporation. Resilient intermediate transfer member and apparatus for liquid ink development. 4,796,048, 1-3-89, Cl. 355-3.0TR.

Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T. Secondary storage facility employing serial communications between drive and controller. 4,811,278, 3-7-89, Cl. 364-900.000.

Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., to Digital Equipment Corporation. Secondary storage facility employing serial communications between drive and controller. 4,825,406, 4-25-89, Cl. 364-900.000.

Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., to Digital Equipment Corporation. Secondary storage facility employing serial communications between drive and controller. 4,837,675, 6-6-89, Cl. 364-200.000.

Bean, Samuel L.; Dulik, Mark D.; and Monopoli, Peter A., to General Chemical Corporation. Method for permanganate bleaching of fabrics and garments. 4,795,476, 1-3-89, Cl. 8-107.000.

Bean, Samuel L.; Dulik, Mark D.; and Wilson, Robert J., to HMC Patents Holding Co., Inc. Process for the manufacture of sodium metabisulfite. 4,844,880, 7-4-89, Cl. 423-519.000.

Bean, W. Ralph: *See—*
Rudd, M. David, Sr., 4,887,356, Cl. 30-30.000.

Bear, Deborah A. Carrying harness for surfboards and the like. 4,804,025, 2-14-89, Cl. 224-202.000.

Bear, Don E. Bottled water pressurization system. 4,852,621, 8-1-89, Cl. 141-83.000.

Bear, William H., to Quinn's Oilfield Supply Ltd. Process for making internally hardened tubes. 4,844,752, 7-4-89, Cl. 148-150.000.

Beard, Charles D.: *See—*
Dunks, Gary B.; Yamada, Akira; Doddi, Namassivaya; and Beard, Charles D., 4,803,254, Cl. 525-477.000.

Beard, Colin C.: *See—*
Cooper, Gary F.; Wren, Douglas L.; Van Horn, Albert R.; [illegible] Tsung-Tee; and Beard, Colin C., 4,804,787, Cl. 568-649.000.

Beard, David R.; Gibson, Peter J.; and Hinchey, Christopher B., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Obstacle surmounting aid for tracked vehicle. 4,854,408, 8-8-89, Cl. 180-9.320.

Beard, Harold J.; and Cox, Raleigh L. Skimmer system. 4,839,050, 6-13-89, Cl. 210-540.000.

Beard, James W.: *See—*
Huliba, David A.; Beard, James W.; and Brandon, John M., 4,811,035, Cl. 346-75.000.

Beard, John R.: *See—*
Gilliland, B. David, III; Beard, John R.; and Hochstein, Peter A., 4,880,293, Cl. 350-269.000.

Beard, Joseph O.; Granger, Stanley W.; and Sveen, Frode. Blowout preventer with radial force limiter. 4,858,882, 8-22-89, Cl. 251-1.200.

Beard, Larry D.; Brigman, Larry L.; and Roderick, John C. Stake driver. 4,813,494, 3-21-89, Cl. 173-91.000.

Beard, Larry R. One handed currycomb apparatus and method. 4,860,692, 8-29-89, Cl. 119-88.000.

Beard, Lloyd R., to A. B. Chance Company. Electronic sectionalizer and mounting structure for switchgear. 4,797,777, 1-10-89, Cl. 361-115.000.

Beard, Lloyd R.: *See—*
Thompson, Parke, Jr.; Beard, Lloyd R.; and Goe, Melvin B., Jr., 4,804,809, Cl. 200-17.00R.

Beard, Michael D., to Herman Miller, Inc. Work surface ganging clip. 4,802,422, 2-7-89, Cl. 108-64.000.

Beard, Philip W.; and Hart, Cecil D., to Architectural Aluminum, Inc. Structural glazing systems for skylights. 4,850,167, 7-25-89, Cl. 52-200.000.

Beard, Ralph E.: *See—*
Nagabhusan, Senapati; House, Larry J.; Beard, Ralph E.; and Myers, John R., 4,832,532, Cl. 405-185.000.

Beard, Richard B.; Hasan, Saleem; Scoles, Kevin J.; and Onaral, Banu, to Drexel University. Biocompatible electrode and use in orthodontic electroosteogenesis. 4,854,865, 8-8-89, Cl. 433-18.000.

Beard, Richard C.; and Crispin, Carl W., to Goodyear Tire & Rubber Company, The. Pressurization of tire mold vents. 4,812,281, 3-14-89, Cl. 264-502.000.

Beard, Richard J.: *See—*
Gombrich, Peter P.; Beard, Richard J.; Griffee, Richard A.; Wilson, Thomas R.; Zook, Ronald E.; and Hendrickson, Max S., 4,835,372, Cl. 235-375.000.

Beard, Robert W., to Abbott Laboratories. Syringe pressure calibration reference. 4,815,313, 3-28-89, Cl. 73-4.00R.

Beard, Robert W., to Abbott Laboratories. Encapsulated blood pressure transducer. 4,825,876, 5-2-89, Cl. 128-675.000.

Beard, Steven A.: *See—*
Lopez, Benjamin L.; Beard, Steven A.; and Phillips, Kirby, 4,874,299, Cl. 417-413.000.

Beard, Susan E.: *See—*
Erb, George H.; and Beard, Susan E., 4,853,070, Cl. 156-436.000.

Beard, Terry D. Compressive film to video transfer method. 4,814,885, 3-21-89, Cl. 358-214.000.

Beard, Terry D. Low differential 3-D viewer glasses and method with spectral transmission characteristics to control relative intensities. 4,836,647, 6-6-89, Cl. 350-132.000.

Beard, Terry D. Audio digital/analog encoding and decoding. 4,862,168, 8-29-89, Cl. 341-140.000.

Beard, Terry D. Method and apparatus for high resolution analog-digital-analog transformations. 4,882,585, 11-21-89, Cl. 341-143.000.

Bearden, Francis H.: *See—*
DeMeester, Gordon D.; Holland, G. Neil; and Bearden, Francis H., 4,851,779, Cl. 324-312.000.

Bearden, James M., to A. P. Green Industries, Inc. Molten aluminum resistant ceramic fiber composition. 4,857,489, 8-15-89, Cl. 501-95.000.

Bearden, John H.: *See—*
Whigham, Roger C.; and Bearden, John H., 4,884,720, Cl. 222-54.000.

Bearden, Richard E.: *See—*
Gram, Martin M.; and Bearden, Richard E., 4,869,112, Cl. 73-856.000.

Bearden, Roby, Jr.: *See—*
Eidt, Clarence M., Jr.; Aldrige, Clyde L.; and Bearden, Roby, Jr., 4,882,036, Cl. 208-50.000.

Beardmore, John M.; and Caieo, John A., to General Motors Corporation. Low noise valve train. 4,852,527, 8-1-89, Cl. 123-96.000.

Beardslee, John: *See—*
Vorzimmer, Mark A.; and Beardslee, John, 4,797,657, Cl. 340-541.000.

Beardsley, George P.: *See—*
Taylor, Edward C.; Beardsley, George P.; and Hamby, James M., 4,831,037, Cl. 514-258.000.
Taylor, Edward C.; Beardsley, George P.; and Shih, Chuan, 4,833,145, Cl. 514-258.000.
Taylor, Edward C.; Beardsley, George P.; Harrington, Peter J.; and Fletcher, Stephen R., 4,845,216, Cl. 544-279.000.

Beare, Winston. Method of mounting of tiles at the hip of a roof. 4,888,932, 12-26-89, Cl. 52-748.000.

Bearon, John N.: *See—*
Greenhalgh, Geoffrey; Morris, Peter; Bearon, John N.; and Armbruster, Guenter, 4,854,636, Cl. 296-201.000.

Beasley, Craig J., to Western Atlas International, Inc. Method of processing seismic data. 4,797,861, 1-10-89, Cl. 367-50.000.

Beasley, Craig J., to Western Atlas International, Inc. Method of migrating seismic data. 4,888,742, 12-19-89, Cl. 367-53.000.

Beasley, Donald R.; and Hanson, Paul J. Trailer hitch positioning apparatus. 4,852,901, 8-1-89, Cl. 280-477.000.

Beasley, James P., to U.S. Philips Corporation. Variable shaped spot electron beam pattern generator. 4,825,033, 4-25-89, Cl. 219-121.250.

Beasley, John A., to American Standard Inc. Tube arrangement for heat exchanger. 4,877,014, 10-31-89, Cl. 126-116.00R.

Beasley, John A.: *See—*
VerShaw, James T.; and Beasley, John A., 4,830,600, Cl. 431-8.000.

Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.; Twine, David C.; and Walsh, R. Victor, to R. J. Reynolds Tobacco Company. Computer integrated manufacturing system. 4,827,423, 5-2-89, Cl. 364-468.000.

Beasley, Thomas R.: *See—*
Barr, Frederick J., Jr.; Beasley, Thomas R.; and Piggin, Richard H., 4,873,675, Cl. 367-57.000.

Beasock, Robert J.; and Cooper, Clayton C., III, to Cluett, Peabody & Co., Inc. Method and apparatus for aligning workpieces of variable lengths. 4,865,309, 9-12-89, Cl. 271-227.000.

Beasom, James D., to Harris Corporation. IC which eliminates support bias influence on dielectrically isolated components. 4,807,012, 2-21-89, Cl. 357-49.000.

Beasom, James D., to Harris Corporation. Method of fabrication of high voltage IC bipolar transistors operable to BV_{CBO}. 4,808,547, 2-28-89, Cl. 437-54.000.

Beasom, James D., to Harris Corporation. High voltage lateral MOS structure with depleted top gate region. 4,823,173, 4-18-89, Cl. 357-22.000.

Beasom, James D., to Harris Corporation. Conductivity-modulated FET with improved pinch off-ron performance. 4,873,564, 10-10-89, Cl. 357-49.000.

Beasom, James D.: *See—*
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Beaston, Brook J., to Great Plains Industries, Inc. Coupling device. 4,844,408, 7-4-89, Cl. 251-149.800.

Beaston, Brook J., to Great Plains Industries, Inc. Herbicide dispenser. 4,856,683, 8-15-89, Cl. 222-318.000.

Beatman, John E. Combined whisker pole and boat hook. 4,817,549, 4-4-89, Cl. 114-102.000.

Beaton, Michael S., to Brunswick Corporation. Seamless oriented metal fiber structure. 4,818,630, 4-4-89, Cl. 428-605.000.

Beaton, Robert J.: *See—*
McManus, Paul A.; and Beaton, Robert J., 4,875,032, Cl. 340-703.000.

Beatrice Foods Co.: *See—*
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Beatrice/Hunt-Wesson, Inc.: *See—*
Price, Judith E., 4,889,740, Cl. 426-606.000.
Rothbart, Michael A.; Serbia, George W.; and Carey, Elton H., 4,816,189, Cl. 260-420.000.

Beattie, John R., to Hughes Aircraft Company. Electrostatic ion thruster with improved thrust modulation. 4,838,021, 6-13-89, Cl. 60-202.000.

Beattie, Morris J.: *See—*
Raudsepp, Rein; and Beattie, Morris J., 4,878,945, Cl. 75-118.00R.

Beattie, Patrick J.: *See—*
Brush, John D., Jr.; and Beattie, Patrick J., 4,805,290, Cl. 29-434.000.

Beattie, Robert T. Greeting card holding and displaying apparatus. 4,852,280, 8-1-89, Cl. 40-124.000.

Beattie, Steven K.; Richards, Paul C.; and Smith, David A., to Ontic Engineering and Manufacturing Inc. Compact monopole digital tachometer generator for use in airborne vehicles. 4,872,208, 10-3-89, Cl. 324-174.000.

Beattie, Thomas B.; Schweinberg, Fred M.; and Rutzen, Ronald L. Drain channel alignment and installation apparatus. 4,878,782, 11-7-89, Cl. 405-119.000.

Beattie, Timothy A.; and Miskin, Barry K., to ICI Australia Operations Proprietary Limited. Detonator system. 4,846,066, 7-11-89, Cl. 102-215.000.

Beattie, William A.: *See—*
Wyman, Donald P.; Matta, Grant B.; and Beattie, William A., 4,829,897, Cl. 101-483.000.

Beattle, John M.: *See—*
Roy, Michael G.; Ullrich, Helmut J.; Beattle, John M.; and Sinden, Jimmie D., 4,878,340, Cl. 56-249.000.

Beatty, Glenn E.: *See—*
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Beatty, Johnny W.; and DiMarco, Brian A., to Siecor Corporation. Strain relief apparatus. 4,799,760, 1-24-89, Cl. 350-96.230.

Beatty, Johnny W.: *See—*
DiMarco, Brian A.; and Beatty, Johnny W., 4,867,525, Cl. 350-96.200.

Beatty, Paul: *See—*
Haas, Dave; Vandersyde, Gary; Beatty, Paul; and Roxas, Ren, 4,798,040, Cl. 53-460.000.
Vandersyde, Gary; Beatty, Paul; and Roxas, Ren, 4,865,304, Cl. 270-54.000.

Beatty, Robert F. Apparatus for and method of spectral analysis enhancement of polygraph examinations. 4,887,607, 12-19-89, Cl. 128-670.000.

Beatty, Robert F.: *See—*
  Sutton, Robert F.; and Beatty, Robert F., 4,865,529, Cl. 417-409.000.
Beatty, Scott M., to Sargent & Greenleaf, Inc. Electronic lock for hotel room safes and the like. 4,887,445, 12-19-89, Cl. 70-278.000.
Beatty, William E., Jr.; and Shimp, Alan B., to Westinghouse Electric Corp. Electric circuit for operating trip circuit of a circuit breaker. 4,870,532, 9-26-89, Cl. 361-93.000.
Beatty, William E., Jr.: *See—*
  McKee, Jere L.; Beatty, William E., Jr.; and Thomas, Glenn R., 4,890,081, Cl. 335-18.000.
Beaty, Keith D.: *See—*
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  Lazzara, Richard J.; and Beaty, Keith D., 4,850,870, Cl. 433-174.000.
  Lazzara, Richard J.; and Beaty, Keith D., 4,850,873, Cl. 433-220.000.
  Lazzara, Richard J.; and Beaty, Keith D., 4,856,994, Cl. 433-173.000.
Beaucamp, Klaus: *See—*
  Schumacher, Gunter; Buckel, Peter: and Beaucamp, Klaus, 4,861,717, Cl. 435-172.300.
Beauch, Howard D.; Everett, Benjamin H., II; and Arndt, Frederick P., to General Motors Corporation. Transmission shift control assembly. 4,805,476, 2-21-89, Cl. 74-473.0SW.
Beauch, Howard D., to General Motors Corporation. Steering column for vehicle with multitube energy absorbing mast jacket. 4,805,478, 2-21-89, Cl. 74-492.000.
Beauch, Howard D.; and Olgren, Leland N., to General Motors Corporation. Energy absorbing steering column. 4,867,003, 9-19-89, Cl. 74-492.000.
Beauchamp, David J. Stiffener for dry flotation cushions used in wheelchairs. 4,819,286, 4-11-89, Cl. 5-431.000.
Beauchamp, Richard L.; and Burant, Leonard J., to Globe-Union Inc. Process for producing battery electrodes by electrochemical reduction. 4,863,484, 9-5-89, Cl. 29-623.100.
Beauchemin, Edward, to Bull HN Information Systems, Inc. Lan controller proprietary bus. 4,823,124, 4-18-89, Cl. 340-825.520.
Beauchemin, Edward: *See—*
  Collins, Richard M.; and Beauchemin, Edward, 4,835,674, Cl. 364-200.000.
Beauchemin, Pierre. Ankle support. 4,864,741, 9-12-89, Cl. 36-89.000.
Beaudet, Leo A., to Dennison Manufacturing Company. Ion generation compensation. 4,819,013, 4-4-89, Cl. 346-159.000.
Beaudet, Leo A., to Dennison Manufacturing Company. Process electrostatic imaging and developing. 4,822,631, 4-18-89, Cl. 427-14.100.
Beaudrie, Robert J. Process for refurbishing containers. 4,802,272, 2-7-89, Cl. 29-407.070.
Beauducel, Claude; and Gautier, Thierry, to Institut Francais du Petrole. Method and device for improving the sensitivity and the signal to noise ratio of piezo-electric transducers having a plurality of sensors combined in parallel. 4,801,838, 1-31-89, Cl. 310-319.000.
Beauducel, Claude; and Gautier, Thierry, to Institut Francais du Petrole. Increased sensitivity piezoelectric hydrophones. 4,810,913, 3-7-89, Cl. 310-337.000.
Beauducel, Claude, to Institut Francais du Petrole. Piezo-electric transducer comprising several coaxial sensitive elements. 4,849,946, 7-18-89, Cl. 367-155.000.
Beauford, William: *See—*
  Hosgood, Henry; Banks, Leslie; and Beauford, William, 4,858,469, Cl. 73-579.000.
Beaujean, Joseph M. E., to Docdata N.V. Sealed cassette containing recording carrier tape. 4,814,925, 3-21-89, Cl. 360-132.000.
Beaulier, Daniel A., to Ampex Corporation. Electronic still store with high speed sorting and method of operation. 4,821,121, 4-11-89, Cl. 358-160.000.
Beaulieu, Bernard: *See—*
  Rainville, Alain; and Beaulieu, Bernard, 4,813,777, Cl. 351-161.000.
Beaulieu, Joseph R., Jr. Wind resistant ice fishing signal devices. 4,821,446, 4-18-89, Cl. 43-17.000.
Beaulieu, Laurence A. J.; and Cristescu, Alex G., to Northern Telecom Limited. Connector bodies and assemblies. 4,797,124, 1-10-89, Cl. 439-719.000.
Beaulieu, Laurence A. J.; and Cristescu, Alex G., to Northern Telecom Limited. Distribution frames and electrical connectors. 4,861,283, 8-29-89, Cl. 439-540.000.
Beaulieu, Louis: *See—*
  Balet, Daniel; Chiomento, Renzo; Beaulieu, Louis; and Poncel, Yves, 4,873,571, Cl. 358-93.000.
Beaulieu, Nelson K. Hook for releasing parachute or the like from a kite. 4,799,634, 1-24-89, Cl. 244-155.00R.
Beaulieu, Nicholas J. Clapboard slide gauge. 4,879,818, 11-14-89, Cl. 33-646.000.
Beaulieu, William B.: *See—*
  O'Connor, James E.; Beever, William H.; Dancer, Jeffrey W.; Beaulieu, William B.; Selby, Larry M.; and Rhodes, Virgil H., Jr., 4,883,552, Cl. 156-180.000.
Beaumont, Alan R.: *See—*
  Booth, Richard C.; and Beaumont, Alan R., 4,851,079, Cl. 156-643.000.
Beaumont, Jeff. Weighted exercise apparatus. 4,858,916, 8-22-89, Cl. 272-119.000.
Beaumont (U.K.) Limited: *See—*
  Maton, Maurice E. G., 4,846,150, Cl. 126-362.000.

Beaupied, Dolores Y. Garment to hold an ostomy appliance. 4,888,006, 12-19-89, Cl. 604-345.000.
Beaupre, Richard F.; Guptill, Richard P.; and Hilmar, Martin D., to Texaco Inc. Variable length membrane module. 4,808,309, 2-28-89, Cl. 210-321.890.
Beaupre, Richard F., to Texaco Inc. Separation of gases. 4,889,541, 12-26-89, Cl. 55-16.000.
Beaupre, Serge. Load hoisting assembly particularly for boats. 4,880,345, 11-14-89, Cl. 414-137.900.
Beauquey, Bernard: *See—*
  Grollier, Jean-Francois; and Beauquey, Bernard, 4,806,080, Cl. 424-74.000.
Beausoleil, Gabriel: *See—*
  Beausoleil, Harris; and Beausoleil, Gabriel, 4,850,289, Cl. 110-235.000.
Beausoleil, Harris; and Beausoleil, Gabriel. Incinerator. 4,850,289, 7-25-89, Cl. 110-235.000.
Beautement, Kevin: *See—*
  Anthony, Vivienne M.; Clough, John M.; de Fraine, Paul; Godfrey, Christopher R. A.; and Beautement, Kevin, 4,863,503, Cl. 71-90.000.
Beauvais, Thomas; Krenke, Vincent G.; Lupoli, Peter J.; and Martin, Donald J., to Casco Products Corporation. Liquid level gauging apparatus. 4,840,137, 6-20-89, Cl. 116-227.000.
Beauviala, Jean-Pierre. Process and apparatus for transferring in synchronism, onto common recording support, the images of a cinetographic film and the sound recorded. 4,832,481, 5-23-89, Cl. 352-5.000.
Beauviala, Jean-Pierre, to Aaton, R.G. Cine camera employing interchangeable film magazines with displacement of the spindles of the film take-off and take-up reels. 4,877,200, 10-31-89, Cl. 242-205.000.
Beauvois, Jacques: *See—*
  Billiotte, Jean-Marie; Bouin, Thierry; Basset, Frederic; Beauvois, Jacques; and Primat, Didier, 4,881,269, Cl. 382-8.000.
Beaver, Richard N., to Dow Chemical Company, The. Electrolytic cell and method of operation. 4,822,460, 4-18-89, Cl. 204-98.000.
Beaver, Richard N.; Alexander, Lloyd E.; and Byrd, Carl E., to Dow Chemical Company, The. Process for preparation of an electrocatalyst. [illegible]1,703, 10-3-89, Cl. 502-101.000.
Beaver, Richard N.; and Morris, Gregory J. E., to Dow Chemical Company, The. Membrane unit for electrolytic cell. 4,877,499, 10-31-89, Cl. 204-98.000.
Beaver, Richard N.: *See—*
  Burney, Harry S., Jr.; Morris, Gregory J. E.; Beaver, Richard N.; and Spradling, Robert D., 4,839,012, Cl. 204-255.000.
Beaver, Richard P.: *See—*
  Hammel, Joseph J.; Robertson, Walter J.; Marshall, William P.; Barch, Herbert W.; Daas, Balbhadra; Smoot, Michael A.; and Beaver, Richard P., 4,842,620, Cl. 55-16.000.
Beaver, Robert A.; Johnson, Leonard L.; and Medlen, Lester R., to Lincoln Logotype Company, Inc. Printing apparatus for marking indicia on articles being successively conveyed. 4,860,648, 8-29-89, Cl. 101-35.000.
Beaver, Terry R.: *See—*
  Gauchel, James V.; Wilson, Edward L.; Kerle, Edward J.; and Beaver, Terry R., 4,822,439, Cl. 156-285.000.
Beavers, Allan E., to T. A. Pelsue Company. Spring-biased tent frame foot. 4,819,680, 4-11-89, Cl. 135-104.000.
Beavers, Ellington M.: *See—*
  Halpern, Gregory; Campbell, Charles; Beavers, Ellington M.; and Cheh, Huk Y., 4,801,475, Cl. 427-338.000.
Beavers, Kelly J.: *See—*
  Georgis, Steven P.; Beavers, Kelly J.; and Haugland, Steve E. 4,843,495, Cl. 560-77.150.
  Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.
Beavers, William A., to Eastman Kodak Company. High softening point hydrocarbon resins from 1,5-cyclooctadiene. 4,801,668, 1-31-89, Cl. 526-237.000.
Beavis, Glenn C.; and Hensel, Robert J., to Brunswick Corporation. Vacuum bleed and flow restrictor fitting for fuel injected engines with vapor separator. 4,856,483, 8-15-89, Cl. 123-516.000.
Bebber, Hans J.; Rossner, Heinrich-Otto; and Espendiller, Bernhard, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Power supply for a three-phase plasma heating unit. 4,818,836, 4-4-89, Cl. 219-121.540.
Bebel, Elie: *See—*
  Haury, Andre; Bebel, Elie; Lauraire, Michel; and Vergez, Andre, 4,800,352, Cl. 335-132.000.
Beber, Michael H.: *See—*
  Evanyk, Walter R.; Beber, Michael H.; Donaldson, Joel R.; Larsen, J. Orville; Adams, David G.; and Douglas, Michael W. 4,829,560, Cl. 379-106.000.
Beberman, Julie A.; Goldman, Ira B.; Larkin, Harold F.; and Hibbert, David A., to General Electric Company. Thermally efficient splice joint for electrical distribution busway. 4,842,533, 6-27-89, Cl. 439-213.000.
Beberman, Julie A.: *See—*
  Larkin, Harold F.; Hibbert, David A.; Beberman, Julie A.; and Walker, Clarence W., 4,849,581, Cl. 174-88.00B.
Bebermeier, Jurgen; Fischer, Werner; Heitzig, Jurgen; and Eberhard, Gunter, to Continental Aktiengesellschaft. Hydraulically damped resilient mounting. 4,811,934, 3-14-89, Cl. 267-140.100.

Beboux, Jean, to Societe Europeenne de Propulsion. Internal anti-popping assembly for solid propellant rocket motor and its manufacturing process. 4,803,038, 2-7-89, Cl. 264-3.300.
Beboux, Jean, to Societe Europeenne de Propulsion. Internal anti-popping assembly for solid propellant rocket motor. 4,823,548, 4-25-89, Cl. 60-253.000.
Bec, Andre; Martin, Jean-Pierre R.; and Blanc, Andre L., to Bec Freres S.A. Structures of compacted materials composed of embankment fixed with a hydraulic binder and processes and machines for constructing them by compacting the slopes. 4,826,359, 5-2-89, Cl. 405-271.000.
Bec, Daniel: *See—*
  Collomby, Michel; Bec, Daniel; and Gerard, Jean-Louis, 4,809,251, Cl. 369-32.000.
Bec Freres S.A.: *See—*
  Bec, Andre; Martin, Jean-Pierre R.; and Blanc, Andre L., 4,826,359, Cl. 405-271.000.
Beccaceci, Rodolfo. Tool for loosening a seized ball joint in a motor vehicle. 4,869,482, 9-26-89, Cl. 269-239.000.
Beccaris, Carlo: *See—*
  Baccalaro, Valter; and Beccaris, Carlo, 4,817,775, Cl. 192-89.00B.
  Lassiaz, Philippe; Villata, Gino; and Beccaris, Carlo, 4,854,436, Cl. 192-98.000.
Becera, San J.; and Stevenson, Vernon L. Adjustable throwing target. 4,863,166, 9-5-89, Cl. 273-26.00A.
Becerra-Novoa, Jorge O., to Hylsa, S.A. de C.V. Method for producing hot sponge iron by introducing hydrocarbon for carburizing into reduction zone. 4,834,792, 5-30-89, Cl. 75-35.000.
Becerra-Novoa, Jorge O.: *See—*
  Martinez-Vera, Enrique R.; and Becerra-Novoa, Jorge O., 4,880,458, Cl. 75-35.000.
Becerra, Rodrigo C.: *See—*
  Alcantara, Bernardo P.; Diaz-Zorita, Fernando; and Becerra, Rodrigo C., 4,835,872, Cl. 33-18.100.
Bech, Hans, to Union Sils, Van de Loo & Co. Adjustable roller dynamo with torsion spring. 4,839,548, 6-13-89, Cl. 310-67.00A.
Bech, Ulrich: *See—*
  Coulon, Andre; and Bech, Ulrich, 4,839,237, Cl. 428-610.000.
Bechdel, John F.: *See—*
  Mitchell, James A.; and Bechdel, John F., 4,841,476, Cl. 364-900.000.
Bechem, Klaus: *See—*
  Bechem, Ulrich W.; Bechem, Klaus; and Bechem, Philip C., 4,796,713, Cl. 175-96.000.
Bechem, Martin: *See—*
  Franckowiak, Gerhard; Bechem, Martin; Gross, Rainer; Hebisch, Siegfried; and Schramm, Matthias, 4,886,804, Cl. 514-252.000.
  Franckowiak, Gerhard; Marhold, Albrecht; Bechem, Martin; Gross, Rainer; Kayser, Michael; Schramm, Matthias; and Thomas, Gunther, 4,886,816, Cl. 514-338.000.
  Goldmann, Siegfried; Schramm, Matthias; Gross, Rainer; Thomas, Gunther; Bechem, Martin; and Kayser, Michael, 4,804,667, Cl. 514-302.000.
Bechem, Philip: *See—*
  Lenzen, Dieter; and Bechem, Philip, 4,815,543, Cl. 175-350.000.
Bechem, Philip C.: *See—*
  Bechem, Ulrich W.; Bechem, Klaus; and Bechem, Philip C., 4,796,713, Cl. 175-96.000.
Bechem, Ulrich W.; Bechem, Klaus; and Bechem, Philip C. Activated earth drill. 4,796,713, 1-10-89, Cl. 175-96.000.
Becher, David. Self-inking rubber stamps. 4,805,529, 2-21-89, Cl. 101-334.000.
Becher, Karl: *See—*
  Carpinella, Ralph; and Becher, Karl, 4,876,782, Cl. 29-234.000.
Becher, Paul F.: *See—*
  Moorhead, Arthur J.; Bomar, E. S.; and Becher, Paul F., 4,812,280, Cl. 264-332.000.
Bechet, Louis, to Battelle Memorial Institute. Device for detecting the displacement of a writing implement. 4,800,240, 1-24-89, Cl. 178-18.000.
Bechet, Louis, to Battelle Memorial Institute. Storing and reconstituting analog signals using data compression. 4,809,195, 2-28-89, Cl. 364-518.000.
Bechstedt, Wolfgang: *See—*
  Amberg, Guenther; Bechstedt, Wolfgang; Schulz, Paul; and Trabitzsch, Uwe, 4,889,644, Cl. 252-8.900.
Bechtel, Bartow, to Entropy, Inc. Radar-optical transponding system. 4,806,932, 2-21-89, Cl. 342-33.000.
Bechtel Eastern Power Corporation: *See—*
  Hopkins, William C., 4,842,804, Cl. 376-203.000.
Bechtel Group, Incorporated: *See—*
  Abrams, Jack Z.; Benz, August D.; Awerbuch, Leon; Zaczek, Stanley J.; and Haidinger, John, 4,804,523, Cl. 423-242.000.
  Feizollahi, Faramarz, 4,844,840, Cl. 252-633.000.
Bechtel International Corporation: *See—*
  Anderson, Joseph; Baldi, Barney T.; and Engstrom, John M., 4,861,043, Cl. 277-1.000.
  White, William H., 4,823,522, Cl. 52-167.000.
Bechtel, James B. Securable and removable utility receptacle. 4,884,714, 12-5-89, Cl. 220-69.000.
Bechtel, Richard L.: *See—*
  Peltzer, Douglas L.; Bechtel, Richard L.; Ko, Wen C.; and Liggett, William T., 4,836,861, Cl. 136-246.000.

Bechtel, Wolf-Dietrich: *See—*
  Lehr, Erich; Bechtel, Wolf-Dietrich; Boke-Kuhn, Karin; Schneider, Claus; Walther, Gerhard; and Weber, Karl-Heinz, 4,812,453, Cl. 514-255.000.
Bechtold, Stephen K. Chain operator for a window. 4,827,668, 5-9-89, Cl. 49-325.000.
Bechtold, Stephen K. Chain assembly and method for making the same. 4,878,345, 11-7-89, Cl. 59-15.000.
Bechu, Jean-Pierre, to Kleber Industrie. Tubular joint formed by two rolling membranes under low pressurization for intercommunication ring. 4,819,565, 4-11-89, Cl. 105-11.000.
Bechu, Jean-Pierre; and Champleboux, Jacques J., to Caoutchouc Manufacture et Plastiques. Intercirculation tunnel between vehicles 4,858,535, 8-22-89, Cl. 105-15.000.
Bechu, Jean-Pierre; and Wanneroy, Roland, to Caoutchouc Manufacture et Plastiques. Device designed to ensure running continuity between two successive railroad or road vehicles. 4,869,178, 9-26-89, Cl. 105-15.000.
Beck, Andreas; Breitenstein, Werner; von Sprecher, Andreas; Lang, Robert W.; and Oertle, Konrad, to Ciba-Geigy Corporation. α-Hydroxy thioethers. 4,808,572, 2-28-89, Cl. 514-18.000.
Beck, Andreas; Sallmann, Alfred; and Wenk, Paul, to Ciba-Geigy Corporation. N-(substituted phenyl) tetrazol-5-yl carboxamides and anti-allergic use thereof. 4,808,604, 2-28-89, Cl. 514-381.000.
Beck, Andreas; Sallmann, Alfred; Lang, Robert W.; and Wenk, Paul, to Ciba-Geigy Corporation. Oxaloamino substituted fluorinated resorcinol ethers and anti-allergic and anti-inflammatory use thereof. 4,820,726, 4-11-89, Cl. 514-476.000.
Beck, Andreas; and Nanko, Norbert. Device for the widening of blood vessels. 4,877,030, 10-31-89, Cl. 128-343.000.
Beck, Andreas: *See—*
  Wenk, Paul; Sallmann, Alfred; and Beck, Andreas, 4,863,942, Cl. 514-381.000.
Beck, Andrew J.; and Swindler, Fredrick G., to Sherwood Medical Company. Medical apparatus with a tearable tamper evident indicator means. 4,834,706, 5-30-89, Cl. 604-111.000.
Beck, Anton K.: *See—*
  Reddy, Vermuri B.; Hsiung, Nancy; Beck, Anton K.; and Bernstine, Edward G., 4,840,896, Cl. 435-68.000.
Beck, Arnold; and Ahrendt, Dieter, to Neumunstersche Maschinen- und Apparatebau GmbH (Neumag). Pack of spinning nozzles for forming two component filaments having core-and-sheath structure. 4,846,653, 7-11-89, Cl. 425-131.500.
Beck, Benjamin J.: *See—*
  Bressler, Peter W.; Byar, Peter D.; Beck, Benjamin J.; Fluke, G. Gordon, Jr.; Magill, Brad; Winig, Gary; and Magill, Tracy H., 4,856,811, Cl. 280-652.000.
Beck, Charles C.; and Anderson, Gregory S., to Thiele Engineering Company. Selective product feed apparatus. 4,817,779, 4-4-89, Cl. 198-365.000.
Beck, Christian A.; Breslawsky, Marc C.; and Forster, Hans R., to Pitney Bowes Inc. Device for folding and sealing sheets. 4,816,108, 3-28-89, Cl. 156-356.000.
Beck, Dilman A.; and Beck, Susan E. Combination food server and container lid support. 4,877,609, 10-31-89, Cl. 426-87.000.
Beck, Doris A.: *See—*
  Buck, Arthur G.; Olson, Ronald A.; and Beck, Doris A., 4,861,945, Cl. 174-69.000.
Beck, Eliezer: *See—*
  Yecheskel, Herzel B.; Alon, Gad; and Beck, Eliezer, 4,796,334, Cl. 19-0.270.
  Yescheskel, Herzel B.; Alon, Gad; and Beck, Eliezer, 4,888,856, Cl. 19-0.270.
Beck, Erich: *See—*
  Elzer, Albert; Sanner, Axel; Schupp, Hans; and Beck, Erich, 4,842,987, Cl. 430-281.000.
Beck, Ernst; Riehlein, Fritz; and Lenard, Peter, to Vollmer Werke Maschinenfabrik GmbH. Device for clamping a saw blade to a saw working machine. 4,858,392, 8-22-89, Cl. 51-218.00R.
Beck, Fritz; Wermeckes, Bernd; and Schulz, Harry, to BASF Aktiengesellschaft. Preparation of ω-hydroxyaldehydes or cyclic hemiacetals thereof. 4,842,700, 6-27-89, Cl. 204-59.00R.
Beck, Fritz: *See—*
  Batzill, Wolfgang; Heilmann, Ulrich; Streitberger, Hans J.; Guder, Harald; and Beck, Fritz, 4,882,090, Cl. 252-511.000.
Beck, Gerhard; Below, Peter; and Bergmann, Andreas, to Hoechst Aktiengesellschaft. Leukotriene antagonists, processes for the preparation thereof, the use thereof for the treatment of diseases, and precursors. 4,851,440, 7-25-89, Cl. 514-550.000.
Beck, Gerhard: *See—*
  Wess, Gunther; Bartmann, Wilhelm; Beck, Gerhard; and Anagnostopulos, Hiristo, 4,855,323, Cl. 514-550.000.
Beck, Gunther, to Bayer Aktiengesellschaft. Cyano-trichloro-pyridopyrimidine and a process for preparing cyano-trichloro-pyridopyrimidine. 4,871,851, 10-3-89, Cl. 544-279.000.
Beck, H. Kent: *See—*
  Zunkel, Gary D.; Beck, H. Kent; and Christensen, Jon B., 4,883,123, Cl. 166-264.000.
Beck, H. Wayne: *See—*
  Hettinger, William P.; and Beck, H. Wayne, 4,877,514, Cl. 208-120.000.
Beck, Hans W.; and Nikstat, Siegmar, to GTE Valenite Corporation. Bottle boring milling tool. 4,813,828, 3-21-89, Cl. 409-132.000.
Beck, Harold K.: *See—*
  White, Kevin M.; and Beck, Harold K., 4,856,585, Cl. 166-250.000.

Beck, Herbert; Anton, Karl-Heinz; and Homner, Harald, to Nixodorg Computer AG. Needle print head. 4,838,714, 6-13-89, Cl. 400-124.000.
Beck, Ivan: *See—*
  Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.
  Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Szirt nee Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,798, Cl. 514-256.000.
Beck, James A., to Unico, Inc. Apparatus for raising a magnetizable object from a stack and for moving it away for further processing. 4,815,916, 3-28-89, Cl. 414-796.500.
Beck, James L.; Doyle Marguerite H.; Early, Roger W.; Ringle, Terrance W.; and Smith, David R., to International Business Machines Corporation. Automatic relocate on continuation of document playout. 4,799,811, 1-24-89, Cl. 400-279.000.
Beck, James M., to Owens-Illinois Closure Inc. Tamper evident closure with snap-type hinge cap. 4,795,044, 1-3-89, Cl. 215-237.000.
Beck, James M., to Creative Packaging Corp. Hinged dispensing closure. 4,848,612, 7-18-89, Cl. 215-235.000.
Beck, James P.: *See—*
  Soderquist, Charles E.; and Beck, James P., 4,886,431, Cl. 417-477.000.
Beck, James R.; Aikins, James A.; and Tao, Eddie V. P., to Eli Lilly and Company. Alkylation of 3(5)-cyano-1H-pyrazole-4-carboxylic acid esters. 4,820,845, 4-11-89, Cl. 548-378.000.
Beck, James R.: *See—*
  Ackmann, Stephen A.; Beck, James R.; and Wright, Fred L., 4,801,326, Cl. 71-92.000.
Beck, Juergen: *See—*
  Nowakowsky, Bernhard H.; Beck, Juergen; Hartmann, Heinrich; and Vamvakaris, Christos, 4,873,299, Cl. 526-73.000.
Beck, Kent L.; and Cunningham, Howard G., Jr., to Tektronix, Inc. System for graphically representing operation of object-oriented programs. 4,885,717, 12-5-89, Cl. 364-900.000.
Beck, Lee R.; and Stolle, Ralph J., to Stolle Research and Development Corporation. Antihypertensive hyperimmune milk, production, composition, and use. 4,879,110, 11-7-89, Cl. 424-85.800.
Beck, Martin H., to Devtech, Inc. One piece self-standing blow molded plastic containers. 4,889,752, 12-26-89, Cl. 428-36.920.
Beck, Niels J.: *See—*
  Woollenweber, William E.; and Beck, Niels J., 4,885,911, Cl. 60-597.000.
Beck, Paul A.: *See—*
  Caya, Arthur J.; and Beck, Paul A., 4,831,280, Cl. 307-265.000.
Beck, Paul C., to Adolph Coors Company. Firebreak for conduits. 4,800,926, 1-31-89, Cl. 138-106.000.
Beck, Raymond W.: *See—*
  Bolton, Joseph A.; Beck, Raymond W.; and Ramey, Robert B., 4,824,209, Cl. 350-319.000.
Beck, Susan E.: *See—*
  Beck, Dilman A.; and Beck, Susan E., 4,877,609, Cl. 426-87.000.
Beck, Terri A.; and Bolich, Raymond E., Jr., to Procter & Gamble Company, The. Reduced stinging antiperspirant compositions. 4,863,721, 9-5-89, Cl. 424-47.000.
Beck, Theodore R.; and Brooks Richard J. Electrolytic reduction of alumina. 4,865,701, 9-12-89, Cl. 204-67.000.
Beck, Thomas L., to Unico, Inc. Web motion converter. 4,795,956, 1-3-89, Cl. 318-628.000.
Beck, Uwe: *See—*
  Hartung, Sigurd, deceased; Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, 4,885,418, Cl. 570-211.000.
Beck, Walter; Berger, Siegfried; and Werner, Margrit, to Beck, Walter; and Werner, Margrit. Method and apparatus for aspirating secreted fluids from a wound. 4,798,583, 1-17-89, Cl. 604-48.000.
Beck, Wayne T.: *See—*
  Griffiths, John M.; Beck, Wayne T.; and Newman, Neil A., 4,861,292, Cl. 440-1.000.
  Griffiths, John M.; Forsgren, Lyle M.; Newman, Neil A.; and Beck, Wayne T., 4,872,859, Cl. 440-53.000.
  Newman, Neil A.; Griffiths, John M.; and Beck, Wayne T., 4,813,897, Cl. 440-61.000.
  Newman, Neil A.; Bankstahl, Herbert A.; Griffiths, John M.; Forsgren, Lyle M.; and Beck, Wayne T., 4,872,857, Cl. 440-1.000.
Beck, William C.: *See—*
  Lambert, Eric M.; Beck, William C.; and Wilson, James R., 4,850,915, Cl. 441-21.000.
Becka, Michael M.; and Walega, William, to International Shoe Machine Corporation. Heel molder. 4,879,778, 11-14-89, Cl. 12-146.00D.
Becke, Jurgen W.: *See—*
  Klein, Joachim; Vorlop, Klaus-Dieter; and Becke, Jurgen W., 4,869,873, Cl. 422-51.000.
Beckeman, Raymond A.: *See—*
  Gregerson, Glen M.; Lunenschloss, John T.; Ebbott, Henry M.; and Beckeman, Raymond A., 4,887,954, Cl. 414-401.000.
Becker, Aaron J.; Graddy, G. Edward, Jr.; Libby, Stephen C.; Carkin, Gerald E.; and van Linden, Jan H. L., to Aluminum Company of America. Method of making a container. 4,830,881, 5-16-89, Cl. 427-230.000.
Becker, Adam: *See—*
  Nauroth, Peter; Kuhlmann, Robert; Turk, Gunter; and Becker, Adam, 4,857,289, Cl. 423-339.000.
Becker, Alvin G., to Hewlett-Packard Company. Microstrip shielding system. 4,801,905, 1-31-89, Cl. 333-238.000.
Becker, Alvin L. Awning deployment and tensioning system. 4,834,16 5-30-89, Cl. 160-66.000.
Becker, Anton; and Kramer, Felix, to Elpatronic AG. Stepping drive 4,875,382, 10-24-89, Cl. 74-84.00R.
Becker, Benedikt: *See—*
  Gehring, Reinhold; Korte-Jensen, Uta; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,863,937, Cl. 514-333.000.
  Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,803,21 Cl. 514-407.000.
  Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, 4,804,675, Cl. 514-407.000.
  Jensen-Korte, Uta; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Stendel, Wilhelm; Becker, Benedikt; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,810,720, Cl. 514-407.000.
  Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Stendel, Wilhelm; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,820,725, Cl. 514-407.000.
  Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,826,867, Cl. 514-407.000.
  Lindig, Markus; and Becker, Benedikt, 4,822,810, Cl. 514-407.000.
  Lindig, Markus; and Becker, Benedikt, 4,845,089, Cl. 514-210.000.
  Maurer, Fritz; Becker, Benedikt; and Homeyer, Bernhard, 4,882,320, Cl. 514-86.000.
  Naumann, Klaus; Braden, Rudolf; Behrenz, Wolfgang; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,820,7 Cl. 514-531.000.
  Naumann, Klaus; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,839,390, Cl. 514-746.000.
  Ooms, Pieter; and Becker, Benedikt, 4,808,623, Cl. 514-404.000.
  Ooms, Pieter; Klausener, Alexander; Baasner, Bernd; Becker, Benedikt; Behrenz, Wolfgang; and Homeyer, Bernhard, 4,868,198, Cl. 514-406.000.
  Sirrenberg, Wilhelm; Klauke, Erich; Zoebelein, Gerhard; Becker, Benedikt; and Stendel, Wilhelm, 4,826,988, Cl. 548-125.000.
  Wolf, Hilmar; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,831,036, Cl. 514-258.000.
Becker, Brian D., to Murphy-Phoenix Company. Compositions and methods for cleaning surfaces while selectively imparting gloss or shine thereto. 4,822,514, 4-18-89, Cl. 252-108.000.
Becker, Bruce H.: *See—*
  Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., 4,887,780, Cl. 244-137.200.
Becker, Burckhard: *See—*
  Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Gelig, Alfred; Klink, Josef; and Koucky, Antonin, 4,805,481, Cl. 74-528.000.
Becker, David F.; Chen, Sen-Tsuen; Perelberg, Azik I.; and Winbow, Graham A., to Exxon Production Research Company. Method and system for measuring azimuthal anisotropy effects using acoustic multipole transducers. 4,832,148, 5-23-89, Cl. 181-104.000.
Becker, E. Robert; and Jung, Hyun J., to Johnson Matthey, Inc. Selective catalytic reduction catalyst consisting of iron sulfate, ceria and alumina. 4,798,817, 1-17-89, Cl. 502-217.000.
Becker Enterprises: *See—*
  Becker, Richard W., 4,846,227, Cl. 137-893.000.
Becker, Ernst: *See—*
  Muschelknautz, Edgar; Becker, Ernst; Bartsch, Adalbert; Kerns, Lars; Gospos, Georg; and Berndt, Gerhard, 4,871,147, Cl. 266-182.000.
Becker, Farrel M., to Crown International, Inc. Method for the determination and display of signal arrival time, intensity and direction. 4,807,165, 2-21-89, Cl. 364-569.000.
Becker, Fred R. Portable book holder. 4,867,407, 9-19-89, Cl. 248-444.100.
Becker, Frederick E.; and Smolensky, Leo A., to United States of America, Energy. Cyclone reactor with internal separation and solids recirculation. 4,881,476, 11-21-89, Cl. 110-347.000.
Becker, Georg; and Basilowski, Herbert, to Buderus Aktiengesellschaft. Method of shaping workpieces especially forming undercut archimedean spirals. 4,813,188, 3-21-89, Cl. 51-288.000.
Becker, Gerhard; Gross, H. Guenter; and Schoening, Josef, to Hochtemperatur-Reaktorbau GmbH. Nuclear power plant with a gas cooled high temperature reactor. 4,847,040, 7-11-89, Cl. 376-299.000.
Becker, Gregory K.; and Martz, Dowell E., to United States of America, Energy. Beta/alpha continuous air monitor. 4,888,485, 12-19-89, Cl. 250-370.060.
Becker, Gunter: *See—*
  Frey, Michael L.; and Becker, Gunter, 4,860,750, Cl. 128-419.000.
Becker, Gunther; Reisinger, Gerhard; Taubenmann, Peter; and Li Norbert, to Elastogran Polyurethane GmbH. Metering and mixing multi-component plastics. 4,865,226, 9-12-89, Cl. 222-135.000.

Becker, Hans-Juergen: *See—*
  Boehning, Karl-Heinz; Mross, Wolf D.; Schwarzmann, Matthias; Becker, Hans-Juergen; Plueckhan, Juergen; and Renner, Klaus-Christian, 4,829,043, Cl. 502-348.000.
Becker, Heinz D.; Bederke, Klaus; Dahm, Ralf; Kerber, Hermann; Sadowski, Fritz; and Stephan, Werner, to Herberts Gesellschaft mit beschrankter Haftung. Coating material and its use as primer and extender. 4,855,342, 8-8-89, Cl. 524-31.000.
Becker, Helmut: *See—*
  Lohr, Herbert; Stein, Bernd; Becker, Helmut; Ade, Reiner; and Baur, Walter, 4,885,900, Cl. 53-551.000.
Becker, Henry A., to Total Tote, Inc. Bin dispensing machine. 4,809,881, 3-7-89, Cl. 221-224.000.
Becker, Hermann; Lotz, Werner; and Keller, Karlfried, to Hoechst Aktiengesellschaft. Process for tanning leather. 4,810,252, 3-7-89, Cl. 8-94.240.
Becker, Hermann: *See—*
  Forster, Frank; Keller, Karlfried; Becker, Hermann; and Lotz, Werner, 4,822,372, Cl. 8-94.240.
  Riegel, Ulrich; Engelhardt, Fritz; Reh, Kuno; Croon, Helmut; Becker, Hermann; and Lotz, Werner, 4,828,570, Cl. 8-94.19R.
Becker, Horst P., to Alfred Teves GmbH. Hydraulic brake system for automotive vehicles. 4,798,422, 1-17-89, Cl. 303-115.000.
Becker, Horst P.: *See—*
  Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; Ocvirk, Norbert; Becker, Horst P.; and Determann, Otto, 4,840,436, Cl. 303-119.000.
  Ocvirk, Norbert; Weise, Lutz; Becker, Horst P.; and Determann, Otto, 4,828,338, Cl. 303-119.000.
  Seibert, Wolfram; Ocvirk, Norbert; Trach, Guenter; Determann, Otto; and Becker, Horst P., 4,803,840, Cl. 60-545.000.
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Becker, Hubert; Becker, Josef; and Becker, Matthias. Process for treating filamentary or thread textile material. 4,852,332, 8-1-89, Cl. 53-436.000.
Becker, Jack: *See—*
  Frantz, Leo R.; Bauer, Alfred; Koran, Matthew H.; and Becker, Jack, 4,876,416, Cl. 200-11.00R.
Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., to Brown Industrial Gas, Inc. Automatic transfer switch. 4,804,933, 2-14-89, Cl. 335-186.000.
Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., to Kohler Company. Electric switch with counteracting electro-electro-dynamic forces. 4,849,590, 7-18-89, Cl. 200-147.00R.
Becker, James F. Video target response apparatus and method employing a standard video tape player and television receiver. 4,844,476, 7-4-89, Cl. 273-312.000.
Becker, James F.; and Mayer, Andrew S. Low-profile rolling book for children. 4,850,924, 7-25-89, Cl. 446-71.000.
Becker, James R.: *See—*
  Bhowal, Prabir R.; Becker, James R.; Korinsky, George K.; and Bhathena, Noshir M., 4,843,856, Cl. 72-41.000.
Becker, Jerome; and Connolly, Robert E., to Tamby Chemical Corp. Humane glue trap for rats, mice and other vermin having carbromal in the bait. 4,805,340, 2-21-89, Cl. 43-58.000.
Becker, Joachim H., to J. M. Huber Corporation. Computer terminal stand. 4,884,773, 12-5-89, Cl. 248-639.000.
Becker, Johann A.; and Boehm, Detlef M., to U.S. Philips Corp. Storage container for a section of a light conducting fibre. 4,798,432, 1-17-89, Cl. 350-96.200.
Becker, Johann A.: *See—*
  Deusser, Peter G.; Boehm, Detlef M.; Eiden, Karl W.; and Becker, Johann A., 4,859,020, Cl. 350-96.200.
  Deusser, Peter G.; Boehm, Detlef M.; and Becker, Johann A., 4,886,336, Cl. 350-96.200.
Becker, John H., to Harris Graphics. Stainless steel weld clad cylinder interconnected by a groove and gap also weld covered by stainless steel. 4,826,071, 5-2-89, Cl. 228-160.000.
Becker, John H. Tire spray control device. 4,858,941, 8-22-89, Cl. 280-851.000.
Becker, John H., to Harris Graphics Corporation. Stainless steel weld clad cylinder roller interconnected by a groove and gap also weld covered by stainless steel. 4,870,732, 10-3-89, Cl. 29-121.500.
Becker, Josef: *See—*
  Becker, Hubert; Becker, Josef; and Becker, Matthias, 4,852,332, Cl. 53-436.000.
Becker, Karl; Berger, Alfred; Iwansky, Joachim; Koble, Roland; and Back, Karl, to Kolbenschmidt Aktiengesellschaft. Roll-formed bushing for sliding surface bearings. 4,865,467, 9-12-89, Cl. 384-273.000.
Becker, Klaus; and Greving, Gerhard, to Standard Elektrik Lorenz Aktiengesellschaft. Antenna with a main reflector and a subreflector. 4,827,277, 5-2-89, Cl. 343-781.00P.
Becker, Klaus: *See—*
  Ostholt, Rudiger; Wahrmann, Jorg; and Becker, Klaus, 4,882,810, Cl. 17-11.000.
Becker, Lanson, to Hydreco, Incorporated. Variably charged hydraulic circuit. 4,819,430, 4-11-89, Cl. 60-421.000.
Becker, Larry W., to General Chemical Corporation. Polyvinyl alcohol containing polyaluminum chloride flocculants. 4,795,585, 1-3-89, Cl. 252-181.000.
Becker, Larry W.; and Lukas, John B., to General Chemical Corporation. Manufacture and use of polymer modified aluminum hydroxide and basic aluminum sulfate. 4,826,606, 5-2-89, Cl. 210-728.000.
Becker, Larry W., to General Chemical Corporation. Solid aluminum hydroxide compositions. 4,882,140, 11-21-89, Cl. 423-629.000.
Becker, Lawrence F.; Laurin, Dean G.; and Palomo, Joseph A., to Baxter International Inc. Medical tubing with water-activated lubricating coating. 4,835,003, 5-30-89, Cl. 427-2.000.
Becker, Ludwig: *See—*
  Peters, Jens; and Becker, Ludwig, 4,890,056, Cl. 324-83.00D.
Becker, Manfred, to Deere & Company. Actuating arrangement for a power lift. 4,817,726, 4-4-89, Cl. 172-9.000.
Becker, Manfred: *See—*
  Matejec, Reinhart; Becker, Manfred; Odenwalder, Heinrich; and Metz, Hans-Joerg, 4,820,616, Cl. 430-543.000.
  Peters, Manfred; Becker, Manfred; Wingender, Kaspar; Kaluschke, Thomas; and Klotzer, Sieghart, 4,877,722, Cl. 430-559.000.
Becker, Mary G., to Taierico, Maria, one half interest to each. Fingernail reinforcement material and method. 4,860,774, 8-29-89, Cl. 132-200.000.
Becker, Matthias: *See—*
  Becker, Hubert; Becker, Josef; and Becker, Matthias, 4,852,332, Cl. 53-436.000.
Becker, Michael W.; Robin, Allen M.; and Stevenson, John S. Thermally insulated quench ring for a gasifier. 4,828,579, 5-9-89, Cl. 48-69.000.
Becker, Michael W.: *See—*
  Muenger, James R.; Catena, Americo R.; Stevenson, John S.; Bergin, Anthony E.; Veillon, John M.; and Becker, Michael W., 4,801,307, Cl. 48-69.000.
  Najjar, Mitri S.; and Becker, Michael W., 4,803,061, Cl. 423-415.00A.
  Najjar, Mitri S.; and Becker, Michael W., 4,889,699, Cl. 423-210.000.
Becker, Mitchell; and Walden, John, to Scientific Design Company, Inc. Optimizing the yield of maleic anhydride catalyst. 4,795,818, 1-3-89, Cl. 549-260.000.
Becker, Neal D.; Shenoy, Ajit; and Lee, Lin-Nan, to Communications Satellite Corporation. Horizontal synchronization, clock synchronization, D. C. restoration and gain control scheme for an analog TV system. 4,829,377, 5-9-89, Cl. 358-147.000.
Becker, Neal D.: *See—*
  Lee, Lin-Nan; and Becker, Neal D., 4,797,918, Cl. 380-20.000.
  Lee, Lin-Nan; and Becker, Neal D., 4,815,130, Cl. 380-50.000.
Becker, Norbert; and Gross, Michael, to Forder-und Anlagetechnik GmbH. Regeneration of bulk materials. 4,821,654, 4-18-89, Cl. 110-236.000.
Becker, Paul; Edwards, Larry M.; Horner, Patrick J.; Macknick, A. Brian; Moore, Stephen; and Mosso, Ronald J., to Raychem Corporation. Preparation of poly(arylene ether ketones) by sequential oligomerization and polymerization in distinct reaction zones. 4,843,131, 6-27-89, Cl. 526-65.000.
Becker, Paul, to Raychem Corporation. Stabilization of poly(arylene ether ketones). 4,874,840, 10-17-89, Cl. 528-480.000.
Becker, Peter D.: *See—*
  Jachec, Kevin V.; and Becker, Peter D., 4,842,947, Cl. 428-461.000.
Becker, Rainer; Eckhardt, Heinz; Fischer, Rolf; Spiegler, Wolfgang; and Vagt, Uwe, to BASF Aktiengesellschaft. Preparation of esters of tetrahydropyran-4-carboxylic acid. 4,837,346, 6-6-89, Cl. 549-425.000.
Becker, Rainer; Wriede, Ulrich; Schirmer, Ulrich; Parg, Adolf; Wuerzer, Bruno; and Meyer, Norbert, to BASF Aktiengesellschaft. Substituted N-phenylpyridazone derivatives. 4,844,729, 7-4-89, Cl. 71-92.000.
Becker, Rainer; and Rohr, Wolfgang, to BASF Aktiengesellschaft. Preparation of alkoxy maleic anhydrides. 4,877,887, 10-31-89, Cl. 549-253.000.
Becker, Rainer; Seufert, Walter; Buschmann, Ernst; and Bruchner, Christiane, to BASF Aktiengesellschaft. 1,1-dialkoxy- or 1,1-(alpha, omega-methylenedioxy)-non-2-yn-9-01 and their OH-protected derivatives. 4,877,891, 10-31-89, Cl. 549-416.000.
Becker, Rainer: *See—*
  Jahn, Dieter; Rohr, Wolfgang; Becker, Rainer; and Wuerzer, Bruno, 4,844,735, Cl. 71-121.000.
  Jahn, Dieter; Becker, Rainer; Goetz, Norbert; and Wuerzer, Bruno, 4,851,032, Cl. 71-94.000.
  Kolassa, Dieter; Keil, Michael; Schirmer, Ulrich; Theobald, Hans; Becker, Rainer; Wuerzer, Bruno; and Meyer, Norbert, 4,880,456, Cl. 71-88.000.
  Wolf, Bernd; Theobald, Hans; Becker, Rainer; Goetz, Norbert; Himmele, Walter; and Kropp, Rudolf, 4,870,100, Cl. 514-461.000.
Becker, Reinhard; and Jansa, Bruno, to Messerschmitt-Bolkow-Blohm GmbH. Packing sack for a life jacket and its easy access storage, especially in an aircraft. 4,883,242, 11-28-89, Cl. 244-118.500.
Becker, Reinhard: *See—*
  Teetz, Volker; Geiger, Rolf; Urbach, Hansjorg; Becker, Reinhard; and Scholkens, Bernward, 4,879,403, Cl. 560-38.000.
  Urbach, Hansjorg; Henning, Rainer; Scholkens, Bernward; and Becker, Reinhard, 4,857,520, Cl. 514-183.000.
Becker, Reinhold, to Siemens Aktiengesellschaft. Device for the functional testing of integrated circuits and a method for operating the device. 4,868,493, 9-19-89, Cl. 324-73.00R.
Becker, Richard R. Bowstring draw and release device. 4,877,009, 10-31-89, Cl. 124-35.00A.
Becker, Richard W., to Becker Enterprises. Proportioner pumping system. 4,846,227, 7-11-89, Cl. 137-893.000.
Becker, Robert; Kruss, Bernd; and Schilk, Leonhard, to Thomae, Karl. Stable alpha-interferon dosage forms. 4,824,674, 4-25-89, Cl. 424-427.000.

Becker, Robert A., to Rockwell International Corporation. Precisely tunable impatt diode module for weather radar apparatus. 4,814,729, 3-21-89, Cl. 333-24.00C.

Becker, Roger J.; and Aulds, James M., to United States of America, Air Force. High resolution cinephotographics system pressure vessel. 4,834,945, 5-30-89, Cl. 422-68.000.

Becker, Roger T., to Monlan, Incorporated. Coolant recycling system and method. 4,872,997, 10-10-89, Cl. 210-703.000.

Becker, Rolf: *See—*
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Becker, Rosette: *See—*
Hay-Kaufman, Martha L.; Becker, Rosette; and Danisch, Robert, 4,818,677, Cl. 435-4.000.

Becker-Ross, Helmut; Florek, Stefan; Kerstan, Felix; Moebius, Guenther; and Sanders, Horst, to Jenoptik Jena GmbH. Adjustable echelle spectrometer arrangement and method for its adjustment. 4,856,898, 8-15-89, Cl. 356-328.000.

Becker, Rudolf; Neubauer, Wilhelm; Beyer, Hans; and Pohl, Harald. Coextrusion head. 4,838,778, 6-13-89, Cl. 425-133.100.

Becker, Rudolf: *See—*
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Becker, Thomas A.; Cuenin, Paul J.; and Mintzer, Lester, to Rockwell International Corporation. Frequency synthesizer. 4,835,721, 5-30-89, Cl. 364-717.000.

Becker, Thomas H.: *See—*
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Becker, Wallace E., to Abbott Laboratories. Tablet composition for drug combinations. 4,863,741, 9-5-89, Cl. 424-465.000.

Becker, Wallace E., to Abbott Laboratories. Pharmaceutical tableting method. 4,874,614, 10-17-89, Cl. 424-465.000.

Becker, Werner; Klaus, Helmut; and Lause, Heinz, to Intertractor Viehmann GmbH & Co. Track chain roller with degradable spacer rings. 4,815,794, 3-28-89, Cl. 305-14.000.

Becker, Werner, to Esselte Meto International Produktions GmbH. Hand labeling device. 4,853,068, 8-1-89, Cl. 156-384.000.

Becker, Werner. Portable labeling machine. 4,867,832, 9-19-89, Cl. 156-387.000.

Becker, Wilfried; Kruse, Heinz J.; and Pahnke, Klaus-Dieter, to Rheinmetall GmbH. Propelling cage sabot of composite materials for a subcaliber kinetic energy projectile having a high length to diameter ratio. 4,867,067, 9-19-89, Cl. 102-521.000.

Becker, Wilfried; and Bisping, Bernhard, to Rheinmetall GmbH. Kinetic-energy projectile having a large length to diameter ratio. 4,872,409, 10-10-89, Cl. 102-517.000.

Becker, Wilhelm; and Godau, Claus, to Hoechst Aktiengesellschaft. Stable aqueous epoxy resin dispersion, process for the preparation thereof and use thereof. 4,886,845, 12-12-89, Cl. 523-403.000.

Becker, Willi; and Wirz, Arno, to Heidelberger Druckmaschinen AG. Sheet transfer cylinder between printing units of a rotary printing machine. 4,815,379, 3-28-89, Cl. 101-246.000.

Becker, William. Corrugated cardboard heat exchanger. 4,874,042, 10-17-89, Cl. 165-166.000.

Becker, William J.: *See—*
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Beckerer, Frank S., Jr. Paddle construction. 4,842,482, 6-27-89, Cl. 416-70.00R.

Beckerman, Howard L., to Joseph L. Brooks Manufacturing Corp. Transient voltage surge suppressor. 4,802,055, 1-31-89, Cl. 361-56.000.

Beckerman, Howard L. Emergency light control and battery charging system. 4,890,004, 12-26-89, Cl. 307-66.000.

Beckerman, Howard L.: *See—*
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Beckerman, Kenneth; Beckerman, Stuart; and Owen, Russell D., to Package Products, Inc. Bakery foods package. 4,867,303, 9-19-89, Cl. 206-45.320.

Beckerman, Norton S.; and Griffin, William H., to Power-Tel Products Group, Inc. High strength, light weight structural composite and method of preparing same. 4,801,483, 1-31-89, Cl. 428-71.000.

Beckerman, Stuart: *See—*
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Beckermann, Bernhard; Dell, Hans-Dieter; Horstmann, Harald; and Kraus, Reinhold, to Troponwerke GmbH & Co., KG. Medicament preparations. 4,871,767, 10-3-89, Cl. 514-536.000.

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Beckett, Andrew R., to British Aerospace Public Limited Company. Signal processing and radio ranging system. 4,887,088, 12-12-89, Cl. 342-128.000.

Beckett, Berta M., legal representative: *See—*
Beckett, Orval D., deceased, and Beckett, Berta M., legal representative, 4,872,275, Cl. 37-91.000.

Beckett, David. Tool. 4,875,855, 10-24-89, Cl. 433-3.000.

Beckett, Frederick J., to Tektronix, Inc. Method of forming a contact bump. 4,835,859, 6-6-89, Cl. 29-846.000.

Beckett, Orval D., deceased; and by Beckett, Berta M., legal representative. Ditch cleaning machine. 4,872,275, 10-10-89, Cl. 37-91.000.

Beckey, Thomas: *See—*
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Beckey, Thomas J., to Honeywell Inc. Compensation circuit for senso lag to reduce undershoot and overshoot. 4,836,442, 6-6-89, Cl. 236-46.00R.

Beckey, Thomas J.; and Nelson, Lorne W., to Honeywell Inc. Adaptive refrigerant control algorithm. 4,848,099, 7-18-89, Cl. 62-212.000.

Beckey, Thomas J., to Honeywell, Inc. Heat pump fan control 4,860,552, 8-29-89, Cl. 62-158.000.

Beckey, Thomas J.; and Nelson, Lorne W., to Honeywell Inc. Method and apparatus for improving cooling of a compressor element in an air conditioning system. 4,878,355, 11-7-89, Cl. 62-115.000.

Beckham, Richard W.: *See—*
Permenter, L. Michael; and Beckham, Richard W., 4,795,443, Cl. 604-198.000.

Beckham, William T. Method and apparatus for holding a trash bag 4,832,292, 5-23-89, Cl. 248-99.000.

Beckhaus, Heiko; Witt, Harro; and Klein, Peter, to Bayer Aktiengesellschaft. Pauling boiler and process for the concentration of sulphuric acid. 4,857,281, 8-15-89, Cl. 423-531.000.

Beckius, David A.: *See—*
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Beckley, John C., to U.S. Philips Corporation. Television transmission system with multiplexed components. 4,866,522, 9-12-89, Cl. 358-145.000.

Beckley, Kenneth E. Snail trap. 4,821,452, 4-18-89, Cl. 43-131.000.

Beckman, Dale F.: *See—*
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Beckman Industrial Corporation: *See—*
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Buzza, Edmund E.; and Jackson, Delbert D., 4,888,998, Cl. 73-864.210.
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Ishimaru, Kenzo, 4,820,257, Cl. 494-16.000.
Marquiss, Samuel A., 4,846,003, Cl. 73-864.240.
Master, Barry S.; and Aralis, Frank M., 4,838,691, Cl. 356-319.000.
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Sohn, Chul H.; and Goodale, David L., 4,855,088, Cl. 261-53.000.
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Wunderly, Stephen W., 4,867,905, Cl. 252-301.170.

Beckman, James R.: *See—*
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Zackrisson, Barry L.; and Beckman, John A., 4,888,224, Cl. 428-35.900.

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Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T. 4,825,406, Cl. 364-900.000.
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Bedard, Donna L.; and Brennan, Michael J., Jr., to General Electric Company. Method for biodegrading PCBS. 4,876,201, 10-24-89, Cl. 435-262.000.

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Bedell, Stephen A.; and Kuan Tsai, Susan S., to Dow Chemical Company, The. Process for the recovery of alkanolamines from their heat-stable salts formed in alkanolamine sorbent solutions. 4,814,051, 3-21-89, Cl. 204-72.000.

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Bedford, Peter H. Support pad for nonambulatory persons. 4,847,933, 7-18-89, Cl. 5-469.000.

Bedford, Peter H. Support pad for nonambulatory persons. 4,866,800. 9-19-89, Cl. 5-468.000.

Bedford, Peter H. Surgical scrub sponge. 4,866,806, 9-19-89, Cl. 15-104.940.

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Sommer, Tracy W.; Hill, Charles D.; Muka, Dean P.; and Beecham, Ryland S., 4,819,700, Cl. 141-1.000.

Beecham-Wuelfing GmbH & Co., KG: *See—*

Hoeltje, Dagmar; and Thielke, Dietrich, 4,835,271, Cl. 544-126.000.

Thielke, Dietrich; Holtje, Dagmar; and Nadler, Guy, 4,837,240, Cl. 514-294.000.

Beecner, Donald T.: *See—*

Schenk, Harold L., Jr.; and Beecher, Donald T., 4,810,988, Cl. 336-60.000.

Beecher, John L.: *See—*

Morganson, Stephen A.; and Beecher, John L., 4,861,518, Cl. 252-548.000.

Beecher, William H. Female urinary collection devices having hollow-walled filled urine receptacles. 4,889,533, 12-26-89, Cl. 604-330.000.

Beecher, William J.: *See—*

Miles, John R., deceased; Miles, Mildred L., heiress; Miles, Grant; and Beecher, William J., 4,877,318, Cl. 350-569.000.

Beeckel, Peter C., to Boeing Company, The. Ambient light sensitive activator. 4,870,267, 9-26-89, Cl. 250-222.100.

Beecroft, Daniel J. Replaceable well drill bit. 4,844,186, 7-4-89, Cl. 175-414.000.

Beedle, Edward E.; and Robertson, David W., to Eli Lilly and Company. Anticonvulsant agents using cyano dimethylphenyl benzamides. 4,835,181, 5-30-89, Cl. 514-524.000.

Beegan, David T., to CalComp Inc. Electrostatic printhead and method of manufacture. 4,806,957, 2-21-89, Cl. 346-155.000.

Beege, Gisela: *See—*

Hauffe, Dieter; Beege, Gisela; Mischke, Peter; and Rausch, Werner, 4,849,031, Cl. 148-260.000.

Beeh, Hans A. Machine and a method for dyeing fabrics with already known dyestuffs. 4,799,278, 1-24-89, Cl. 8-151.000.

Beehler, James R.; and Ware, Dean R., to Tyler Refrigeration Corporation. Refrigeration system. 4,831,835, 5-23-89, Cl. 62-196.100.

Beehler, Richard F., to Heil-Quaker Corporation. Stamped discharge grille including two louvred sections. 4,858,683, 8-22-89, Cl. 165-125.000.

Beehler, Richard F., to Heil-Quaker Corporation. Blower with clam shell housing. 4,865,517, 9-12-89, Cl. 415-214.100.

Beekenkamp, Gerald, to Paris Slides Inc. Playground slide construction. 4,865,311, 9-12-89, Cl. 272-56.50R.

Beekenkamp, Gerald: *See—*

Adams, Glenn N.; and Beekenkamp, Gerald, 4,855,555, Cl. 219-10.55F.

Beekman, Arie W., to Stamicarbon B.V. Bumper. 4,856,833, 8-15-89, Cl. 293-120.000.

Beekmans, Antonius A. G., to U.S. Philips Corporation. X-ray examination apparatus with a locally divided auxiliary detector. 4,809,309, 2-28-89, Cl. 378-99.000.

Beel, Francois: *See—*

Vogel, Walter; Schmucker, Wolfgang; Leurer, Erwin; and Beel, Francois, 4,803,834, Cl. 57-308.000.

Beelart, Joseph H., Jr. Apparatus for manipulating a hinged member. 4,835,799, 6-6-89, Cl. 4-661.000.

Beelen, Christiaan M. J. M.: *See—*

Addink, Jaap H.; Beelen, Christiaan M. J. M.; Steen, Adam; Verhoog, Hendrik M.; and De Boer, Jurrie, 4,795,725, Cl. 501-101.000.

Beeler, Donald J.: *See—*

Krug, George C.; Beeler, Donald J.; Plank, David C.; Sitman, Robert W.; Shauf, Walter F.; and Pike, Robert F., 4,806,140, Cl. 65-290.000.

Beeley, Lee J.: *See—*

Berge, John; and Beeley, Lee J., 4,861,789, Cl. 514-370.000.

Beeley, Nigel; and Cremer, Gerard, to Synthelabo. Carbamate or urea derivatives, their preparation and pharmaceutical compositions comprising them. 4,840,967, 6-20 89, Cl. 514-466.000.

Beeman, John A.; Solt, Floyd R.; Leep, James L.; Marvin, Wayne S.; and Smith, Troy F., to Mead Corporation, The. Side loading carton. 4,838,430, 6-13-89, Cl. 206-624.000.

Beenker, Franciscus P. M.: *See—*

Sauerwald, Wilhelm A.; DeWilde, Johannes; Van Eerdewijk, Karel J. E.; Beenker, Franciscus P. M.; and Segers, Marinus T. M., 4,879,717, Cl. 371-22.300.

Van Meerbergen, Jozef L.; Beenker, Franciscus P. M.; Matterne, Luc L. G.; Huisken, Josephus A.; and Stans, Rudi J. J., 4,866,715, Cl. 371-27.000.

Beer, Christian; Riedweg, Robert; and Schlensog, Klaus, to Ameda AG. Breast pump insert. 4,799,922, 1-24-89, Cl. 604-74.000.

Beer, Hans-Rudolf; Britsch, Helmut; Kaiser, Tony; Maier, Gunther; and Muff, Alois, to BBC Brown, Boveri & Company, Ltd. Lightning arrester having a housing with a high filler content. 4,805,064, 2-14-89, Cl. 361-117.000.

Beer, Hans-Rudolf; Britsch, Helmut; Julke, Elias; and Kaiser, Tony, to BBC Brown, Boveri & Company, Limited. Process for reducing the water vapour diffusion in a plastics composite insulator consisting of several layers. 4,818,319, 4-4-89, Cl. 156-192.000.

Beer, Helmut: *See—*

Griepentrog, Hartmut; and Beer, Helmut, 4,824,323, Cl. 415-148.000.

Beer, Henri B.; and Arnouts, Dirk, to ELTECH Systems Corporation. Electrode with a platinum metal catalyst in surface film and its use. 4,797,182, 1-10-89, Cl. 204-14.100.

Beer, Janos M., to Westinghouse Electric Corp. Low NOx rich-lean combustor especially useful in gas turbines. 4,845,940, 7-11-89, Cl. 60-732.000.

Beer, Jeffrey S., to Fres-co System USA, Inc. Roll of laminated web product usable for forming smooth-walled flexible packages. 4,835,037, 5-30-89, Cl. 428-35.200.

Beer, Klaus: *See—*

Bormann, Rene L.; Maathuis, Antonnis G.; Spielmann, Jurgen; Meijer, Theo; Beer, Klaus; and Oare, Thomas R., 4,869,307, Cl. 152-533.000.

Beer, Manfred: *See—*

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Beer, Michael; Hofbauer, August; and Knoll, Erwin, to Dr. Ing. h.c.f. Porsche Aktiengesellschaft. Valve guidance for an exhaust gas valve of an internal combustion engine. 4,798,181, 1-17-89, Cl. 123-188.0GC.

Beer, Michael: *See—*

Hain, Klaus; Beer, Michael; and Gietzen, Staas, 4,841,926, Cl. 123-146.50A.

Beer, Richard, to Scholler Lebensmittel GmbH & Co. KG. Shaped body of a confection product. 4,828,854, 5-9-89, Cl. 426-104.000.

Beer, Robin F. C. Chariot type golf cart. 4,874,055, 10-17-89, Cl. 180-19.200.

Beer, Wilhelm; and Monetha, Eugen, to General Motors Corporation. Rack and pinion steering gear. 4,827,788, 5-9-89, Cl. 74-422.000.

Beer, Wilhelm: *See—*

Rohrbach, Wolfgang; Grafenstein, Georg; Beer, Wilhelm; Kiy, Burghardt; and Monetha, Eugen, 4,865,149, Cl. 180-148.000.

Beerli, Markus; and Guntli, Erich, to Benninger AG. Apparatus for regulating the warp section tension during warping. 4,819,310, 4-11-89, Cl. 28-185.000.

Beerman, Paul J. Method and device for removing wheel nuts and cap nuts from the outer wheel of a dual-wheel double-nut system. 4,885,834, 12-12-89, Cl. 29-426.500.

Beermann, Ewald H., to Martor-Argentax E.H. Beermann KG. Device for cutting pieces from a substantially cylindrical article. 4,837,931, 6-13-89, Cl. 30-92.000.

Beers, M. Dale; and Thompson, James E., to Loctite Corporation. Auto-adhering one-component RTV silicone sealant composition utilizing an adhesion promoter. 4,847,396, 7-11-89, Cl. 556-421.000.

Beers, Melvin D., to General Electric Company. One-component RTV silicone composition with good bonding properties. 4,833,037, 5-23-89, Cl. 428-448.000.

Beers, Melvin D.: *See—*

Chung, Rack H.; Swiger, Roger T.; and Beers, Melvin D., 4,839,453, Cl. 528-18.000.

Beery, J. Harvey: *See—*

McNeal, Jack D.; Levine, Mark; and Beery, J. Harvey, 4,889,613, Cl. 204-416.000.

Beery, Jack; Nelson, Erik K.; and Shelton, John J., to Mead Corporation, The. Pressure compensated single nip three-roll press. 4,798,134, 1-17-89, Cl. 100-171.000.

Beery, Jack, to Mead Corporation, The. Movable cartridge lock. 4,802,633, 2-7-89, Cl. 242-71.100.

Beery, Jack; and Mikolajczak, Matthew M., to Mead Corporation, The. Sheet feeder synchronization system having error correction means. 4,835,698, 5-30-89, Cl. 364-469.000.

Beery, Jack; and Brookstein, David S., to Mead Corporation, The. Pressure developer or press having a pressure roll containing composite material. 4,841,613, 6-27-89, Cl. 29-130.000.

Beery, Jack, to Mead Corporation, The. Sheet feeder with articulated feed pads. 4,848,762, 7-18-89, Cl. 271-19.000.

Beery, Jack, to Mead Corporation, The. Cartridge for web-type media material. 4,878,581, 11-7-89, Cl. 206-416.000.

Beery, Jack: *See—*

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Beery, James P.: *See—*

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Beery, Kenneth E.; and Konwinski, Arthur H., to Central Soya Company, Inc. Compressed texturized soy protein product and process for making same. 4,888,198, 12-19-89, Cl. 426-656.000.

Beery, Richard L.: *See—*

Kowalics, Raymond P.; Sidoti, Kenneth C.; and Beery, Richard L., 4,817,510, Cl. 99-331.000.

Bees, George L., to Candela Laser Corporation. Series inverter with shunted transformer for regulation of capacitor charging. 4,811,188, 3-7-89, Cl. 363-28.000.

Beese, Howard. Fishhook holder. 4,79[illegible],380, 1-10-89, Cl. 43-57.100.

Beese, Ulrich: *See—*

Otto, Werner; Beese, Ulrich; and Schmidt, Martin, 4,877,150, Cl. 220-304.000.

Beesley, Thomas E., to American Maize-Products Company. Separation and purification of cyclodextrins. 4,808,232, 2-28-89, Cl. 127-46.300.

Beeson, Charles F., to Johnson Controls, Inc. Adjustable valve linkage. 4,836,497, 6-6-89, Cl. 251-80.000.

Beeson, James S., III, to Arkla, Inc. Method and apparatus for determining the accuracy of a gas flow meter. 4,821,557, 4-18-89. Cl. 73-3.000.

Beeson, John M.; McAskill, John P.; and Burnham, James D., to Cooper Industries, Inc. Powershift transmission with four speed ranges in forward and reverse. 4,864,881, 9-12-89, Cl. 74-360.000.

Beeson, Karl W.: *See—*

West, Gary A.; and Beeson, Karl W., 4,814,294, Cl. 437-200.000.

Beetem, John F.: *See—*

Affinito, Frank J.; and Beetem, John F., 4,868,549, Cl. 340-710.000.

Beetham, Richard C.: *See—*

Shearer, Dwayne M.; Beetham, Richard C.; Beall, Frank C.; and Rodgers, John M., 4,856,334, Cl. 73-588.000.

Beetle, Robert H. Submerged casting. 4,807,688, 2-28-89, Cl. 164-72.000.

Beeton, Thomas B.; Mostert, Roelof J.; Navarro, Emilia B.; Rosinger, Pierre R.; and Badenhorst, Rudolf P. Special rolled steels. 4,881,991, 11-21-89, Cl. 148-325.000.

Beetz, Tom: *See—*

van Boeckel, Constant A. A.; Beetz, Tom; and Petitou, Maurice, 4,841,041, Cl. 536-118.000.

Beeuwkes, Reinier, III, to Medical Products & Research. Quick-release device for jaw stabilization. 4,872,449, 10-10-89, Cl. 128-87.00R.

Beever, William H.; and Selby, Larry M., to Phillips Petroleum Company. Apparatus and method for pultruding reinforced plastic articles. 4,820,366, 4-11-89, Cl. 156-166.000.

Beever, William H.: *See—*

Bohannan, John R.; Beever, William H.; and Stirling, J. Andrew, 4,848,745, Cl. 273-72.00R.

Liang, Yeon F.; and Beever, William H., 4,888,390, Cl. 525-189.000.

O'Connor, James E.; Beever, William H.; Dancer, Jeffrey W.; Beaulieu, William B.; Selby, Larry M.; and Rhodes, Virgil H., Jr., 4,883,552, Cl. 156-180.000.

Beevers, Katherine K. Protective cover for tracheotomy tube. 4,802,474, 2-7-89, Cl. 128-200.260.

Beez, Volker: *See—*

Dietrich, Wolf; Beez, Volker; and Giebeler, Eberhard, 4,801,404, Cl. 252-607.000.

Beezer, Earl F.; and Sullivan, Daniel F., to Mandreles, Inc. Power drive speed reducer. 4,813,303, 3-21-89, Cl. 74-425.000.

Beezer, Earl F.: *See—*

Beezer, William E.; and Beezer, Earl F., 4,799,405, Cl. 29-822.000.

Beezer, William E.; and Beezer, Earl F., 4,881,356, Cl. 53-53.000.

Beezer, William E.; and Beezer, Earl F. Assembly machine chassis. 4,799,405, 1-24-89, Cl. 29-822.000.

Beezer, William E.; and Beezer, Earl F., to Stelron Components. Apparatus for assembling multi-part article. 4,881,356, 11-21-89, Cl. 53-53.000.

Befeld, Manfred: *See—*

Barcella, Santino; Befeld, Manfred; Faber, Guy; and Slepcevic, Paul, 4,812,107, Cl. 416-191.000.

Beffa, Fabic: *See—*

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Beffa, Fabio; and Koller, Josef, to Ciba-Geigy Corporation. Process for the trichromatic dyeing of leather. 4,799,933, 1-24-89, Cl. 8-404.000.

Beffa, Fabio: *See—*

Back, Gerhard; and Beffa, Fabio, 4,874,848, Cl. 534-684.000.

Bege, Dietmar: *See—*

Queiser, Horst; Meininger, Siegfried; Kleinschroth, Karl-Heinz; and Bege, Dietmar, 4,847,007, Cl. 252-628.000.

Schmitt, Wolfgang; and Bege, Dietmar, 4,888,818, Cl. 324-439.000.

Begehr, Dieter; Keitel, Gerd; and Burmeister, Rainer, to U.S. Philips Corp. Temperature measuring arrangement. 4,830,514, 5-16-89, Cl. 374-178.000.

Begent, Richard H. J. Diagnosis and treatment of tumors. 4,865,835, 9-12-89, Cl. 424-1.100.

Beger, Joerg: *See—*

Schewe, Tankred; Kuehn, Hartmut; Beger, Joerg; Grupe, Renate; Rapoport, Samuel M.; Binte, Hans-Joachim, deceased; and Slapke, Juergen, 4,816,487, Cl. 514-640.000.

Begey, Jean-Marie; and Chemello, Jean-Pierre, to Salomon S.A. Heel blocking device for ski boot. 4,864,743, 9-12-89, Cl. 36-119.000.

Begg, Alan R.; Brown, Colin W.; and Charman, Neil E. S., to British Petroleum Company p.l.c., The. Graded structure composites. 4,859,542, 8-22-89, Cl. 428-547.000.

Beggs, George R., to Tactilitics, Inc. Flexible tactile switch. 4,845,323, 7-4-89, Cl. 200-85.00R.

Beggs, William C. Panoramic optical system with very sharp beam control. 4,849,622, 7-18-89, Cl. 250-216.000.

Beghetto, Leonardo: *See—*

Orlando, Crescenzo; Zenere, Sandro; Butera, Antonio; and Beghetto, Leonardo, 4,883,386, Cl. 405-136.000.

Beghin-Say S.A.: *See—*

Defaye, Jacques; Gadelle, Andree; and Pedersen, Christian, 4,861,871, Cl. 536-18.100.

Goldstein, Guy; and Pierre, Michel, 4,798,744, Cl. 427-389.900.

Lerailler, Eric; Pierre, Michel; Thiriet, Bernard; and Wecquer, Jean, 4,883,478, Cl. 604-360.000.

Mazars, Paul; and Barreteau, Jean-Pierre, 4,815,457, Cl. 128-155.000.

Pierre, Michel; Ruppel, Remy; and Brellmann, Jean, 4,806,408, Cl. 428-76.000.

Begin, John D.; Berry, James E.; and Kretzmer, Paul D., to CTE Valeron Corporation. Intelligent power monitor. 4,839,819, 6-13-89, Cl. 364-483.000.

Begin, John R., Jr. Mounting apparatus for electrical devices. 4,842,155, 6-27-89, Cl. 220-3.600.

Begley, Douglas G., to Continental White Cap, Inc. Molded plastic closure with split skirt tamperband. 4,796,770, 1-10-89, Cl. 215-252.000.

Begley, Douglas G., to Continental White Cap, Inc. Tamper evident cap. 4,801,029, 1-31-89, Cl. 215-250.000.

Begley, Douglas G., to Continental White Cap, Inc. Band with lock ring for tamper-evident cap. 4,805,791, 2-21-89, Cl. 215-252.000.

Begley, Douglas G., to Continental White Cap, Inc. Spring hinge for dispensing cap. 4,813,560, 3-21-89, Cl. 215-235.000.

Begley, Douglas G., to Continental White Cap, Inc. Reversed-arc band for tamper-evident cap. 4,813,562, 3-21-89, Cl. 215-252.000.

Begley, Lana H.: *See—*

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Begley, Michael J.: *See—*

Chen, Jack; Thomas, Jeffrey A.; Petolino, Joseph A., Jr.; Begley, Michael J.; Shah, Ajay; Taylor, Michael D.; and Tobias, Richard J., 4,851,993, Cl. 364-200.000.

Taylor, Michael D.; Maier, Robert M.; Begley, Michael J.; Zmyslowski, Allan J.; Thomas, Jeffrey A.; and Petolino, Joseph A., 4,888,689, Cl. 364-200.000.

Begley, Samuel E.; and Begley, Lana H., to Chipnjay, Inc. Sports trivia board game. 4,856,780, 8-15-89, Cl. 273-244.000.

Begley, William J.; Carmody, Michael J.; and Buchanan, John M., to Eastman Kodak Company. Photographic material and process (A). 4,847,185, 7-11-89, Cl. 430-376.000.

Begley, William J.; Carmody, Michael J.; and Buchanan, John M., to Eastman Kodak Company. Photographic material and process (B). 4,857,440, 8-15-89, Cl. 430-382.000.

Begnaud, Jerome L.: *See—*

Maillet, Bonnie B.; and Begnaud, Jerome L., 4,862,975, Cl. 175-72.000.

Bego Bremer Goldschagerei Wilh. Herbst GmbH & Co.: *See—*

Gundlach, Hans-Werner; and Jacob, Friedrich, 4,796,688, Cl. 164-457.000.

Begon, Jean A., to Begon S.A. Societe Anonyme. Safety fencing sword. 4,817,942, 4-4-89, Cl. 272-98.000.

Begon S.A. Societe Anonyme: *See—*

Begon, Jean A., 4,817,942, Cl. 272-98.000.

Begout, Eric; Bourgeois, Alain; Gueuret, Raymond; and Lapeyre, Pascal, to Alcatel Thomson Faisceaux Hertziens. Reflector antenna for telecommunications. 4,825,218, 4-25-89, Cl. 343-765.000.

Begrich, Rainer: *See—*

Sutterlin, Wolfgang; and Begrich, Rainer, 4,828,572, Cl. 8-549.000.

Beha, Christian. Device for optically measuring the shading of translucent panes. 4,870,264, 9-26-89, Cl. 250-209.000.

Beha, Johannes G.; Blacha, Armin U.; Clauberg, Rolf; and Seitz, Hugo K., to International Business Machines Corporation. Method for contactless testing for electrical opens and short circuits in conducting paths in a substrate. 4,843,329, 6-27-89, Cl. 324-73.0PC.

Beha, Johannes G.; Dreyfus, Russell W.; Kash, Jeffrey A.; and Rubloff, Gary W., to International Business Machines Corporation. Full chip integrated circuit tester. 4,845,425, 7-4-89, Cl. 324-158.00R.

Beha, Johannes G.; Blacha, Armin U.; Clauberg, Rolf; and Seitz, Hugo K., to International Business Machines Corporation. Method for contactless testing of conducting paths in a substrate using photo-assisted tunneling. 4,868,492, 9-19-89, Cl. 324-73.0PC.

Behan, Albert S.; Chiang, Robert L.; and Staniulis, Mark T., to UOP. Silica bonding of molecular sieves. 4,853,355, 8-1-89, Cl. 502-64.000.

Behan, Albert S.: *See—*

Mohr, Donald H.; Wilson, Charles R.; Behan, Albert S.; Chiang, Robert L.; and Staniulis, Mark T., 4,830,732, Cl. 208-138.000.

Behan, Hugh F. J., to Behan, Hugh F. J. Religious instruction kit. 4,818,233, 4-4-89, Cl. 434-245.000.

Behar, Alain: *See—*

Bougamont, Jean-Louis; and Behar, Alain, 4,842,168, Cl. 222-402.200.

Behar, Albert; Behar, Orna; Frederiksen, Lee W.; Howard-Link, Donald A.; and Timmerman, Catherine, to Health Innovations, Inc. Human behavior modification which establishes and generates a user adaptive withdrawal schedule. 4,853,854, 8-1-89, Cl. 364-413.010.

Behar, Orna: *See—*

Behar, Albert; Behar, Orna; Frederiksen, Lee W.; Howard-Link, Donald A.; and Timmerman, Catherine, 4,853,854, Cl. 364-413.010.

Behe, Anthony J.: *See—*

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Behfar-Rad, Abbas; and Wong, S. Simon, to Cornell Research Foundation, Inc. Method of making travelling wave semi-conductor laser. 4,851,368, 7-25-89, Cl. 437-129.000.

Behlen, Horst: *See—*

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Ziegler, Horst; and Behlen, Horst, 4,874,252, Cl. 374-117.000.

Behling, Gerald R.: *See—*

Vincent, Steve M.; Behling, Gerald R.; Hood, Thomas G.; and Gomm, William E., 4,853,264, Cl. 428-34.000.

Behling, William C.: *See—*

Appledorn, Roger C.; Ratliff, Lary G.; Behling, William C.; and Oestreich, Michael L., 4,800,815, Cl. 102-321.000.

Behlke, George E., to Detection Systems, Inc. Passive infrared detection system with three-element, single-channel, pyroelectric detector. 4,864,136, 9-5-89, Cl. 250-338.300.

Behm, Dale H.; and Plummer, George A., to Hoover Universal, Inc. Blow molded one-piece bottle. 4,865,206, 9-12-89, Cl. 215-1.00C.

Behm, Michael E. Grinding wheel assembly and method. 4,829,718, 5-16-89, Cl. 51-168.000.

Behme, Robert J.; Kensler, Terry T.; and Mikolasek, Douglas G., to Bristol-Myers Company. Process for buspirone hydrochloride polymorphic crystalline form conversion. 4,810,789, 3-7-89, Cl. 544-230.000.

Behmer, Albin: *See—*

Meltsch, Hans-Jurgen; Rost, Jan; Behmer, Albin; and Mahler, Ernst, 4,825,016, Cl. 174-93.000.

Behncke, Hans: *See—*

Burghart, Heiner; and Behncke, Hans, 4,836,223, Cl. 131-329.000.

Behnk, Gunter; and Nuske, Dieter, to Nordischer Maschinenbau Rud. Baader GmbH & Co. KG. Apparatus for mechanically processing fish of the trachurus species. 4,811,461, 3-14-89, Cl. 17-56.000.

Behnk, Gunter; and Nuske, Dieter, to Nordischer Maschinenbau Rud. Baader GmbH & Co. KG. Apparatus for mechanically processing fish of the Trachurus species. 4,856,145, 8-15-89. Cl. 17-57.000.

Behnke, Joachim; Schulze, Helmut; Berg, Ernst; and Pelger, Michael, to Akzo N.V. Process for producing extractive-material-reduced cellulose. 4,814,440, 3-21-89, Cl. 536-56.000.

Behr, Charles, to Gagnier Products Company. Hose clamp. 4,823,442, 4-25-89, Cl. 24-20.00R.

Behr, Christian: *See—*

Tasto, Manfred; Ranner, Georg; Blasius, Rainer; and Behr, Christian, 4,817,117, Cl. 375-111.000.

Behr, Friedrich, to Thyssen Edelstahlwerke AG. Filter for small particles. 4,859,338, 8-22-89, Cl. 210-490.000.

Behr, Friedrich, to Thyssen Edelstahlwerke AG. Honeycomb body as catalyst support for cleaning the exhaust of internal combustion engines. 4,863,895, 9-5-89, Cl. 502-439.000.

Behr, Friedrich: *See—*

Fleischer, Hans-Joachim; Lohscheidt, Klaus; Gorres, Dieter; and Behr, Friedrich, 4,798,631, Cl. 148-3.000.

Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fred, to Behr Industrieanlagen GmbH & Co. Apparatus for electrostatic coating of objects. 4,852,810, 8-1-89, Cl. 239-703.000.

Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fred, to Behr Industrieanlagen GmbH & Co. Apparatus for electrostatic coating of objects. 4,872,616, 10-10-89, Cl. 239-703.000.

Behr, Hans; and Vetter, Kurt, to Behr Industrieanlagen GmbH & Co. Method and apparatus for electrostatic coating with conductive material. 4,879,137, 11-7-89, Cl. 427-27.000.

Behr Industrial Equipment Inc.: *See—*

Cann, Roger S., 4,878,454, Cl. 118-663.000.

Behr Industrieanlagen GmbH & Co.: *See—*

Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fred, 4,852,810, Cl. 239-703.000.

Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fred, 4,872,616, Cl. 239-703.000.

Behr, Hans; and Vetter, Kurt, 4,879,137, Cl. 427-27.000.

Handke, Heinz; and Rothenburger, Hermann, 4,810,538, Cl. 427-424.000.

Schneider, Rolf, 4,838,487, Cl. 239-223.000.

Schneider, Rolf; Luderer, Fred; and Henger, Peter, 4,851,253, Cl. 427-8.000.

Vetter, Kurt, 4,838,311, Cl. 137-624.200.

Behr, Leonard W., to Automotive Systems Laboratory, Inc. Magnetically-damped, testable accelerometer. 4,827,091, 5-2-89, Cl. 200-61.45M.

Behr, Paul A.: *See—*

Evans, Andrew L.; and Behr, Paul A., 4,863,082, Cl. 224-42.45R.

Behr, R. Douglas; and Zieke, Larry M., to Dow Chemical Company, The. Tube spreader for removing wrinkles in tube stock. 4,829,745, 5-16-89, Cl. 53-451.000.

Behr, R. Douglas: *See—*

Erickson, Laurence R.; Behr, R. Douglas, and Vrooman, Roger D., 4,837,849, Cl. 383-104.000.

Woods, Timothy R.; and Behr, R. Douglas, 4,812,192, Cl. 156-251.000.

Behr, Suzanne M.: *See—*

Warren, Tommy M.; and Behr, Suzanne M., 4,887.677, Cl. 175-339.000.

Behr, William R.: *See—*

Kent, Van A.; Behr, William R.; and Kirby, Larry H., 4,830,838, Cl. 423-226.000.

Kent, Van A.; Kirby, Larry H.; and Behr, William R., 4,834,959, Cl. 423-242.000.

Behre, Horst; Blnak, Heinz U.; Kohler, Wilfried; Muller, Nikolaus; and Schnegg, Peter, to Bayer Aktiengesellschaft. Process for the sulphonation of aromatic compounds with sulphur trioxide. 4,859,372, 8-22-89, Cl. 562-74.000.

Behre, Horst; Blank, Heinz U.; Marzolph, Gerhard; and Streicher, Willi, to Bayer Aktiengesellschaft. Process for the preparation of 1-aminonaphthalene-2,4,7-trisulphonic acid and 1-aminonaphthalene-7-sulphonic acid. 4,873,026, 10-10-89, Cl. 562-72.000.

Behre, Horst: *See—*

Streicher, Willi; Marzolph, Gerhard; Behre, Horst; and Biank, Heinz U., 4,836,959, Cl. 260-508.000.

Behrendt, Douglas. Lounge chair rib cushion. 4,807,936, 2-28-89, Cl. 297-445.000.

Behrendt, Ulrich: *See—*

Ebeling, Wolfgang; Metz, Harald; Brummer, Wolfgang; Schmid, Gunter; and Behrendt, Ulrich, 4,800,161, Cl. 435-233.000

Behrens, Christine L.: *See—*

Poorman, Thomas J.; Lopez, Josephine; and Behrens, Christine L., 4,836,637, Cl. 350-96.210.

Behrens, Dietmar; Hoog, Waldemar; and Zimmermann, Rudolf, to Elba-Ordner-Fabrik Kraut & Meienborn GmbH & Co. Device for storing a data diskette in a file folder. 4,884,691, 12-5-89, Cl. 206-444.000.

Behrens, Edward A.: *See—*

Calvert, Douglas D.; Behrens, Edward A.; and Baver, Donald K., 4,839,598, Cl. 324-539.000.

Behrens, Hugh C., to Dow Chemical Company, The. Annular linear induction pump with an externally supported duct. 4,828,459, 5-9-89, Cl. 417-50.000.

Behrens, Klaus F. A.: *See—*

Seidel, Hartmut R. A.; Harder, Hans E.; and Behrens, Klaus F. A., 4,858,602, Cl. 128-92.0YY.

Behrens, Linda M.; Blohm, Neil A.; Cimijotti, Raymond L.; Corfits, William D.; and Rasmussen, Jerry R., to International Business Machines Corporation. Plugable interposer and printed circuit card carrier. 4,821,146, 4-11-89, Cl. 361-383.000.

Behrens, Milton D.: *See—*

Sung, Rodney L.; Behrens, Milton D.; Caggiano, Michael A.; Knifton, John F.; Larkin, John M.; and Zimmerman, Robert L., 4,810,261, Cl. 44-62.000.

Sung, Rodney L.; Hayden, Thomas; Caggiano, Michael A.; and Behrens, Milton D., 4,852,993, Cl. 44-62.000.

Behrens, Nancy: *See—*

Hupe, Donald; Argenbright, Lawrence; Behrens, Nancy; and Azzolina, Barbara A., 4,847,257, Cl. 514-269.000.

Behrens, Robert N. Pulsation dampener apparatus. 4,838,299, 6-13-89, Cl. 137-203.000.

Behrens, Robert N. Drill apparatus having a primary drill and a pilot drill. 4,852,672, 8-1-89, Cl. 175-389.000.

Behrens, Robert N.: *See—*

Wanie, Lee J.; Behrens, Robert N.; DeBraal, Stanley J.; and Bedis, Michael, 4,883,137, Cl. 180-6.340.

Behrens, Wolfgang: *See—*

Klein, Joachim; Behrens, Wolfgang; and Kunz, Markwart, 4,843,154, Cl. 536-4.100.

Behrenz, Wolfgang; and Salvetti, Gianfranco, to Bayer Aktiengesellschaft. Agents for combating *Tineola bisselliella*. 4,845,131, 7-4-89, Cl. 514-729.000.

Behrenz, Wolfgang; and Schutte, Manfred, to Bayer Aktiengesellschaft. Synergistic pesticidal compositions. 4,863,909, 9-5-89, Cl. 514-136.000.

Behrenz, Wolfgang: *See—*

Gehring, Reinhold; Korte-Jensen, Uta; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,863,937, Cl. 514-333.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,803,215, Cl. 514-407.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, 4,804,675, Cl. 514-407.000.

Jensen-Korte, Uta; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Stendel, Wilhelm; Becker, Benedikt; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,810,720, Cl. 514-407.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Stendel, Wilhelm; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,820,725, Cl. 514-407.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,826,867, Cl. 514-407.000.

Maurer, Fritz; Sommer, Herbert; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,882,321, Cl. 514-86.000.

Naumann, Klaus; Braden, Rudolf; Behrenz, Wolfgang; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,820,735, Cl. 514-531.000.

Naumann, Klaus; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,839,390, Cl. 514-746.000.

  - Naumann, Klaus; and Behrenz, Wolfgang, 4,889,872, Cl. 514-531.000.
  - Ooms, Pieter; Klausener, Alexander; Baasner, Bernd; Becker, Benedikt; Behrenz, Wolfgang; and Homeyer, Bernhard, 4,868,198, Cl. 514-406.000.
- Behringer, Cecil R. Method for cooling a nuclear reactor and a product therefor. 4,836,292, 6-6-89, Cl. 169-47.000.
- Behringer, John W. Dispenser for packaged bandages and the like. 4,872,593, 10-10-89, Cl. 221-231.000.
- Behringer, John W. Water resistant control linkage. 4,878,402, 11-7-89, Cl. 74-10.800.
- Behringwerke Aktiengesellschaft: *See—*
  - Dickneite, Gerhard; Schorlemmer, Hans-Ulrich; Kraemer, Hans P.; and Sedlacek, Hans H., 4,847,299, Cl. 514-579.000.
  - Friesen, Heinz-Jurgen; Grenner, Gerd; Pauly, Hans-Erwin; Kohl, Helmut; Habenstein, Klaus; and Stark, Joseph, 4,861,711, Cl. 436-7.000.
  - Hilfenhaus, Joachim, 4,886,779, Cl. 514-2.000.
  - List, Paul H.; Schmidt, Peter C.; Steffens, Klaus-Jurgen; Perschbacher, Harald; Kraemer, Hans P.; and Sedlacek, Hans H., 4,801,455, Cl. 424-400.000.
  - Paques, Eric P., 4,818,690, Cl. 435-13.000.
- Behrle, William L. Fishing rod holder. 4,877,165, 10-31-89, Cl. 224-42.45R.
- Behymer, D. James, to Minnesota Mining and Manufacturing Company. Fastener with parts having projecting engaging portions. 4,819,309, 4-11-89, Cl. 24-576.000.
- BEI Electronics, Inc.: *See—*
  - Godkin, Mikhail; and Kimble, Jack, 4,808,955, Cl. 335-222.000.
- Beier, Alfred: *See—*
  - Adamis, Panagiotis; and Beier, Alfred. 4,834,048, Cl. 123-432.000.
- Beier, John K. Backrest with adjustable lumber support. 4,810,034, 3-7-89, Cl. 297-284.000.
- Beier, John K. Method for packaging foam material. 4,841,713, 6-27-89, Cl. 53-413.000.
- Beier, John K. Body warmer. 4,846,528, 7-11-89, Cl. 297-465.000.
- Beier, Rudolf: *See—*
  - Welschof, Hans-Heinrich; Beier, Rudolf; and Hofmann, Norbert, 4,835,829, Cl. 29-159.300.
  - Welschof, Hans-Heinrich; and Beier, Rudolf, 4,840,087, Cl. 74-713.000.
  - Welschof, Hans-Heinrich; and Beier, Rudolf, 4,858,998, Cl. 301-124.00R.
- Beier, Sybille: *See—*
  - Chwalisz, Krzysztof; Beier, Sybille; Elger, Walter; and Neef, Guenter, 4,870,067, Cl. 514-171.000.
  - Elger, Walter; Beier, Sybille; Fahnrich, Marianne; Kosub, Beate; Chwalisz, Krzysztof; and Hasan, Syed H., 4,888,331, Cl. 514-170.000.
  - Ottow, Eckhard; Wiechert, Rudolf; Neef, Gunter; Beier, Sybille; Elger, Walter; and Henderson, David, 4,814,327, Cl. 514-179.000.
  - Ottow, Eckhard; Neef, Guenter; Rohde, Ralph; Wiechert, Rudolf; Beier, Sybille; Elger, Walter; and Henderson, David, 4,829,060, Cl. 514-179.000.
  - Ottow, Eckhard; Wiechert, Rudolf; Neef, Guenter; Bardenhagen, Juergen; Beier, Sybille; Elger, Walter; and Henderson, David, 4,870,069, Cl. 514-179.000.
- Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., to Ablestien Industries, Inc. Heating stove which includes a pyrolysis gasifier. 4,799,437, 1-24-89, Cl. 110-229.000.
- Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., to Ablestien Industries, Inc. Heating stove which includes a pyrolysis gasifier. 4,846,668, 7-11-89, Cl. 431-173.000.
- Beierle, Frederick P.; and Mazzawi, Mounir. Process adapted to produce synthesis gas and activated carbon from organic input material. 4,883,499, 11-28-89, Cl. 48-203.000.
- Beierle, John D., to Nynex Corporation. Station controller for enhanced multi-line pick-up in centrex exchange telephone system. 4,885,769, 12-5-89, Cl. 379-210.000.
- Beiersdorf Aktiengesellschaft: *See—*
  - Cohnen, Erich; Beuttler, Thomas; Hofferber, Eva; and Stenzel, Wolfgang, 4,801,590, Cl. 514-293.000.
  - Cohnen, Erich; and Jacobitz, Petra, 4,810,712, Cl. 514-312.000.
  - Cohnen, Erich, 4,864,061, Cl. 564-349.000.
  - Cohnen, Erich, 4,871,775, Cl. 514-652.000.
  - Guse, Gunter; Horstmann, Michael; and Erler, Axel, 4,882,163, Cl. 424-448.000.
  - Heimerl, Albert; Brammer, Hans-Adolf; and Hofeditz, Wolfgang, 4,874,370, Cl. 604-93.000.
  - Hoppe, Udo; and Engel, Walter, 4,839,165, Cl. 424-70.000.
  - Hoppe, Udo; Korbacher, Klaus; and Schrader, Karl-Heinz, 4,844,711, Cl. 8-406.000.
  - Pietsch, Hanns; Kartheus, Holger; Holtzmann, Hans-Joachim; Sachau, Gunther; and Reul, Helmut, 4,831,065, Cl. 523-112.000.
- Beierwaltes, Craig: *See—*
  - Baker, Gerald; Beierwaltes, Craig; Gardner, William; and Weber, Charles, 4,867,063, Cl. 101-424.200.
- Beifuss, Wolfgang: *See—*
  - Husslein, Julius; Hess, Helmut; and Beifuss, Wolfgang, 4,882,462, Cl. 219-10.55B.
- Beight, Douglas W.: *See—*
  - Flynn, Gary A.; and Beight, Douglas W., 4,824,832, Cl. 514-214.000.
  - Flynn, Gary A.; and Beight, Douglas W., 4,837,354, Cl. 560-60.000.
- Beihoff, Bruce C., to Eaton Corporation. Torque sensor. 4,852,411, 8-1-89, Cl. 73-862.360.
- Beihoff, Bruce C.: *See—*
  - Baran, Michael S.; Beihoff, Bruce C.; Damiano, Michael A.; Hansen, James E.; Hastings, Jerome K.; Slomczewski, Allen J.; and Tennies, Charles J., 4,857,837, Cl. 324-117.00R.
  - Hastings, Jerome K.; Beihoff, Bruce C.; Baran, Michael S.; Juds, Mark A.; and Hansen, James E., 4,841,235, Cl. 324-117.00R.
  - Hastings, Jerome K.; Beihoff, Bruce C.; and Juds, Mark A., 4,857,841, Cl. 324-208.000.
  - Juds, Mark A.; and Beihoff, Bruce C., 4,841,246, Cl. 324-208.000.
- Beihoffer, Randall A., to Toro Company, The. Electrical appliance and handle for same. 4,829,675, 5-16-89, Cl. 30-276.000.
- Beijing General Research Institute for Non-Ferrous Metals: *See—*
  - Wu, Tengzhao; Gao, Yingqi; and Zhen, Yongzhang, 4,833,366, Cl. 313-618.000.
- Beijing Information Technology Institute: *See—*
  - Fuxue, Zhang; Weitong, Zhu; and Xiufeng, Yang, 4,846,178, Cl. 128-419.00F.
- Beijing Polytechnic University: *See—*
  - Xu, Jinghang, 4,820,678, Cl. 502-303.000.
- Beijing Research Institute of Chemical Industry: *See—*
  - Mao, Bingquan; Yang, Aichun; Zheng, Ying; Yang, Juxiou; and Li, Zhulan, 4,861,847, Cl. 526-125.000.
- Beijleveld, Wilhelmus M.; and Verlaan, Johannes P. J., to AKZO N.V. Process for cross-linking or degrading polymers and shaped articles obtained by this process. 4,833,209, 5-23-89, Cl. 525-298.000.
- Beijleveld, Wilhelmus M.: *See—*
  - Verlaan, Johannes P. J.; and Beijleveld, Wilhelmus M., 4,855,428, Cl. 544-219.000.
- Beikirch, Thomas R., to Xerox Corporation. Scan lamp intensity control for raster input scanners. 4,803,556, 2-7-89, Cl. 358-228.000.
- Beikirch, Thomas R.; and Bell, Gregory E., to Xerox Corporation. Slow scan registration self alignment system for raster input scanners. 4,864,415, 9-5-89, Cl. 358-474.000.
- Beikirch, Thomas R.; Traino, James C.; and Williams, Leon C., to Xerox Corporation. System for synchronizing integration pulses with integration signal in an asynchronous raster input scanner. 4,878,119, 10-31-89, Cl. 358-471.000.
- Beil, Valentine; Kotas, Peter; and Rudz, Douglas, to McDonald Products Corporation. Office accessory system suspendible from a vertical surface. 4,828,120, 5-9-89, Cl. 211-88.000.
- Beiley, Mark J.; Mikhail, Makram T.; and Callanan, Patrick J., to Sierracin Corporation. Tube coupling. 4,844,517, 7-4-89, Cl. 285-382.400.
- Beilfuss, Robert C., to Lennox Industries, Inc. Two speed motor controller. 4,831,313, 5-16-89, Cl. 388-822.000.
- Beilicke, Frederich W.: *See—*
  - Regas, Kenneth A.; Coiner, Erich E.; and Beilicke, Frederich W., 4,806,953, Cl. 346-136.000.
- Beim, Rudolf, to Ford New Holland, Inc. Mechanism for synchronized shifting of a transmission using couplers. 4,856,375, 8-15-89, Cl. 74-745.000.
- Beimgraben, Herbert W., to Baker Hughes Incorporated. Apparatus for directional drilling of subterranean wells. 4,817,740, 4-4-89, Cl. 175-74.000.
- Bein, Thomas W. Rigid support structure for single screw compressors. 4,880,367, 11-14-89, Cl. 418-107.000.
- Beinhaur, Ernest L., to AMP Incorporated. Powdered metal connector. 4,828,351, 5-9-89, Cl. 350-96.200.
- Beinhaur, Ernest L.; Daly, John K.; Kreinberg, Earl R.; and Vinson, Paul, to AMP Incorporated. Flat cable power distribution system. 4,834,673, 5-30-89, Cl. 439-422.000.
- Beinor, Robert T.: *See—*
  - Schloman, William W., Jr.; Cole, William M.; Clark, Frank J.; and Beinor, Robert T., 4,829,117, Cl. 524-313.000.
- Beirens, Leopold C. M.: *See—*
  - Overdijk, Dik R.; Bolder, Antonius J. J.; Beirens, Leopold C. M.; and Van Rens, Piet C. J., 4,874,982, Cl. 313-440.000.
- Beirne, John M.: *See—*
  - Horst, Robert W.; Lynch, Shannon J.; Costantino, Cirillo L.; and Beirne, John M., 4,800,486, Cl. 364-200.000.
- Beirute, Robert M.; and Smith, Robert C., to Amoco Corporation. Method for indicating the position of a cement wiper plug prior to its bottomhole arrival. 4,819,726, 4-11-89, Cl. 166-291.000.
- Beisang, Arthur A., III, to Genetic Laboratories, Inc. Nose tube anchoring strip. 4,823,789, 4-25-89, Cl. 128-207.180.
- Beise, Thomas R.: *See—*
  - Roback, Kenneth J.; and Beise, Thomas R., 4,851,966, Cl. 361-406.000.
- Beisemann, Gerd: *See—*
  - Feldmann, Hugo; Hollmann, Friedrich; Gartner, Horst; and Beisemann, Gerd, 4,798,074, Cl. 72-247.000.
  - Feldmann, Hugo; Schultes, Tilmann; and Beisemann, Gerd, 4,800,742, Cl. 72-247.000.
- Beiser, Louise. Blood collection device with ejectable tips. 4,822,343, 4-18-89, Cl. 604-187.000.
- Beiser, Wayne; and Bloom, Amy A., to Huffy Corporation. Combination bicycle bag and handbag. 4,852,778, 8-1-89, Cl. 224-30.00A.
- Beisiegel, Diethelm; and Binder, Erwin, to J. M. Voith GmbH. Bearing and ring-shaped drive motor enclosed in common housing. 4,820,947, 4-11-89, Cl. 310-89.000.
- Beissbarth, Osmond. Apparatus for measuring the steering angle of a steering wheel of a vehicle. 4,860,457, 8-29-89, Cl. 33-203.180.
- Beisswanger, Rudolf, to J.M. Voith GmbH. Unwinding apparatus for paper or board web rolls. 4,881,695, 11-21-89, Cl. 242-58.400.

- Beisswanger, Rudolf: *See—*
  - Sollinger, Hans-Peter; Meinecke, Albrecht; Weiss, Hans; and Beisswanger, Rudolf, 4,880,671, Cl. 427-356.000.
- Beisswenger, Hans; Knoche, Ronald; and Frank, Wolfgang, to Metallgesellschaft Aktiengesellschaft. Fluidized bed system. 4,817,563, 4-4-89, Cl. 122-4.00D.
- Beistegui, Jose L., to B. H. Holdings Limited. Inertia mechanism in gymnastic bicycles or the like. 4,809,970, 3-7-89, Cl. 272-73.000.
- Beiswenger, John L., to Oak Industries Inc. Control and display system. 4,847,606, 7-11-89, Cl. 340-712.000.
- Beitelia, Ray R.: *See—*
  - Messner, Kirsten L.; Abrahms, Robert M.; and Beitelia, Ray R., 4,875,489, Cl. 128-772.000.
  - Tremulis, William S.; and Beitelia, Ray R., 4,846,193, Cl. 128-772.000.
- Beitinger, Eberhard: *See—*
  - Glaser, Eberhard; Beitinger, Eberhard; and Nussbaumer, Manfred, 4,838,980, Cl. 156-497.000.
- Beitman, Bruce A., to Harris Corporation. Self-aligned contact for MOS processing. 4,795,718, 1-3-89, Cl. 437-41.000.
- Beitz, Jurgen; Erren, Karl-Heinz; and Mantz, Ekkehard, to Norddeutsche Faserwerke GmbH. Creel. 4,852,824, 8-1-89, Cl. 242-131.100.
- Beitz, Mark J.: *See—*
  - Quarderer, George J.; Stone, Fred C.; Beitz, Mark J.; and O'Donnell, Patrick M., 4,851,603, Cl. 585-410.000.
- Bejczy, Antal K.: *See—*
  - Scheinman, Victor D.; Bejczy, Antal K.; and Primus, Howard C., 4,819,978, Cl. 294-119.100.
- Bejui, Jacques: *See—*
  - Rhenter, Jean-Luc; and Collomb, Jean, 4,878,916, Cl. 623-18.000.
- Beka St-Aubin SA: *See—*
  - Guyot, Claude, 4,809,797, Cl. 180-16.000.
- Bekedam, Martin. Jet spray atmospheric deaerator. 4,874,406, 10-17-89, Cl. 55-198.000.
- Bekedam, Martin. Zero flash closed condensate boiler feedwater system. 4,878,457, 11-7-89, Cl. 122-441.000.
- Bekefi, George: *See—*
  - Hartemann, Frederick; and Bekefi, George, 4,835,391, Cl. 250-361.00R.
- Bekele, Solomon: *See—*
  - Davis, Kent A.; Bekele, Solomon; and Stockley, Henry W., 4,886,690, Cl. 428-36.600.
- Beker, Henry J.; Halliden, Paul W.; and Friend, John M. K., to Racal-Guardata Limited. Data communication systems and methods. 4,890,323, 12-26-89, Cl. 380-25.000.
- Bekius, Wayne; and Svendsen, John, to Wagner Spray Tech Corporation. Flat tip for cup guns. 4,884,742, 12-5-89, Cl. 239-71.000.
- Bekkema, Jeen, to Vermeulen-Hollandia Octrooien II B.V. Control device for a movable part, designed for opening and closing an opening, especially a sliding/tilting roof for a vehicle. 4,841,205, 6-20-89, Cl. 318-282.000.
- Bekker-Madsen, Per; and Christensen, Otto H., to Uniprint A/S. Apparatus for printing an information carrier. 4,828,408, 5-9-89, Cl. 400-120.000.
- Bekker, Vladimir O.: *See—*
  - Stolk, Richard D.; and Bekker, Vladimir O., 4,797,313, Cl. 428-156.000.
- Bekki, Yoshinori; Wada, Hiroyuki; Yamaga, Mitsuhiro; and Nakayashiki, Susumu, to Hitachi, Ltd. Ring configuration of line concentrators. 4,847,611, 7-11-89, Cl. 340-825.050.
- Bekturganov, Zhanaly S.: *See—*
  - Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.
- Bel-Air Plastics, Inc.: *See—*
  - Murphy, James F., 4,817,237, Cl. 16-29.000.
- Bel Fuse Inc.: *See—*
  - Bernstein, Elliot, 4,837,546, Cl. 337-272.000.
  - Bernstein, Elliot, 4,866,573, Cl. 361-400.000.
- Belai, Ivan: *See—*
  - Matolcsy, Gyorgry; Kerekes, Gyula; Buban, Tamas; Vasarhelyi, Endre; Kovacs nee Kalman, Magda; Belai, Ivan; and Gerlei, Aniko, nee Komaromy, 4,846,883, Cl. 71-106.000.
- Belaich, Jean-Pierre; Fardeau, Marie-Laure; Peillex, Jean-Paul; and Pavia, Andre, to Gaz De France. High-yield methane production process by culture of *Methanobacterium thermoautotrophicum or any other methanogenic bacterium having the same physiological growth properties*. 4,883,753, 11-28-89, Cl. 435-167.000.
- Belaidouni, Ali; Benani, Andre; and Millet, Jean-Marie, to La Telemecanique Electrique. Machine for automatically fitting connectors to the ends of electric conductors. 4,852,241, 8-1-89, Cl. 29-564.400.
- Belaidouni, Ali; Benani, Andre; and Millet, Jean-Marie, to La Telemecanique Electrique. Device for fitting and crimping end pieces on electric conductors. 4,856,183, 8-15-89, Cl. 29-753.000.
- Belandria, Jose I.: *See—*
  - Galiasso, Roberto E.; Belandria, Jose I.; and Caprioli, Pasquale L., 4,801,432, Cl. 422-143.000.
- Belanger, Alain; and Brassard, Paul, to Universite Laval. Luminescent cyclic hydrazides for analytical assays. 4,835,268, 5-30-89, Cl. 540-599.000.
- Belanger, Andre ; Gauthier, Michel; and Robitaille, Michel, to Hydro-Quebec. Thin electrode supported on electronically conductive sheet and process of manufacture. 4,824,746, 4-25-89, Cl. 429-218.000.
- Belanger, Bernard, to Entrepreises Premier CDN Ltee. Conveyor. 4,813,526, 3-21-89, Cl. 198-313.000.
- Belanger, Ernest D., to OPT Industries, Inc. Power supply with switching means responsive to line voltage. 4,843,301, 6-27-89, Cl. 323-299.000.
- Belanger, Inc.: *See—*
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,798,008, Cl. 34-243.00C.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,799,287, Cl. 15-405.000.
  - Belanger, James A.; Wentworth, Robert J.; Astley, Graham J.; and Turner, Barry S., 4,817,301, Cl. 34-243.00C.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,848,670, Cl. 239-553.000.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,882,826, Cl. 29-527.100.
  - Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,884,946, Cl. 415-206.000.
- Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., to Belanger, Inc. Nozzle construction. 4,798,008, 1-17-89, Cl. 34-243.00C.
- Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., to Belanger, Inc. Blower housing construction. 4,799,287, 1-24-89, Cl. 15-405.000.
- Belanger, James A.; Wentworth, Robert J.; Astley, Graham J.; and Turner, Barry S., to Belanger, Inc. Apparatus for drying vehicles. 4,817,301, 4-4-89, Cl. 34-243.00C.
- Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., to Belanger, Inc. Nozzle construction. 4,848,670, 7-18-89, Cl. 239-553.000.
- Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., to Belanger, Inc. Method of making a unit blower housing. 4,882,826, 11-28-89, Cl. 29-527.100.
- Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., to Belanger, Inc. Blower housing construction. 4,884,946, 12-5-89, Cl. 415-206.000.
- Belanger, Marcel P.: *See—*
  - Foldesi, Istvan; Cudnoch, Ludwik; and Belanger, Marcel P., 4,816,110, Cl. 156-499.000.
- Belanger, Patrice; Fortin, Rejean; Guindon, Yvan; Yoakim, Christiane; and Rokach, Joshua, to Merck Frosst Canada, Inc. Phenoxypropoxy halophenylacetic acids as leukotriene antagonists. 4,820,867, 4-11-89, Cl. 562-478.000.
- Belanger, Patrice C.; Scheigetz, John; and Rokach, Joshua, to Merck Frosst Canada, Inc. Benzofuran derivatives useful as inhibitors of mammalian leukotriene biosynthesis. 4,863,958, 9-5-89, Cl. 514-469.000.
- Belanger, Patrice C.: *See—*
  - Gillard, John; Rokach, Joshua; and Belanger, Patrice C., 4,871,756, Cl. 514-381.000.
- Belanger, Thomas D., Jr., to GTE Communication Systems Corporation. Substrate mounting device. 4,797,784, 1-10-89, Cl. 361-395.000.
- Belanger, Thomas D., Jr., to GTE Communication Systems Corporation. Substrate mounting device. 4,797,786, 1-10-89, Cl. 361-419.000.
- Belanger, Thomas D., Jr.; and Johnson, Roy L., to GTE Communication Systems Corporation. Device for discharging electrostatic potentials. 4,812,947, 3-14-89, Cl. 361-220.000.
- Belanger, Thomas D., Jr., to GTE Communication Systems Corporation. Substrate mounting device. 4,821,149, 4-11-89, Cl. 361-395.000.
- Belanger, Thomas D., Jr.; and Johnson, Roy L., to AG Communication Systems Corporation. Electrostatic discharge device. 4,837,657, 6-6-89, Cl. 361-220.000.
- Belanger, Thomas D., Jr., to AG Communication Systems Corporation. Compliant pad for use in tape automated bonding process. 4,848,639, 7-18-89, Cl. 228-5.500.
- Belanger, Yves: *See—*
  - Simard, Julien; Lessard, Raymond; and Belanger, Yves, 4,806,925, Cl. 340-815.250.
- Belangie, Michael C. Sealed highway joint and method. 4,824,283, 4-25-89, Cl. 404-64.000.
- Belani, Jagdish: *See—*
  - Hilton, Robert; Emamjomeh, Ali; and Belani, Jagdish, 4,876,587, Cl. 357-70.000.
- Belano, Gary, to Seatt Corporation. Battery powered smoke alarm safety lockout system. 4,870,395, 9-26-89, Cl. 340-693.000.
- Belart, Juan, to ITT Industries, Inc. Hydraulic brake system with slip control. 4,807,942, 2-28-89, Cl. 303-114.000.
- Belart, Juan, to ITT Industries, Inc. Hydraulic brake system. 4,819,433, 4-11-89, Cl. 60-547.100.
- Belart, Juan; and Klein, Hans-Christof, to Alfred Teves GmbH. Automotive vehicle braking device. 4,819,996, 4-11-89, Cl. 303-114.000.
- Belart, Juan, to Alfred Teves GmbH. Hydraulic brake system. 4,831,826, 5-23-89, Cl. 60-545.000.
- Belasco, David. Multi-pass fluid treating device. 4,883,591, 11-28-89, Cl. 210-223.000.
- Belbel, Elie; Blanchard, Christian; Haury, Andre; and Lauraire, Michel, to La Telemecanique Electrique. Circuit breaker apparatus with remote controlled opening and closing of its circuits. 4,816,792, 3-28-89, Cl. 335-14.000.
- Belbel, Elie; Fechant, Louis; Vergez, Andre; and Riotte, Jean P., to La Telemecanique Electrique. Fault current interrupter including a metal oxide varistor. 4,816,958, 3-28-89, Cl. 361-93.000.
- Belbel, Elie; Boucheron, Thierry; Lauraire, Michel; and Riotte, Jean-Paul, to La Telemecanique Electrique. Circuit and apparatus for the protected supply of a load by means of static and electromechanical switches. 4,888,661, 12-19-89, Cl. 361-102.000.

Belbouche, Lionel A., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Thrust reverser for a turbofan engine. 4,858,430, 8-22-89, Cl. 60-226.200.

Belcher, James E.: *See*—

Harpold, Charles W.; and Belcher, James E., 4,817,523, Cl. 101-123.000.

Belcher, Mark D.: *See*—

Kohl, James W.; and Belcher, Mark D., 4,860,644, Cl. 98-115.400.

Belcher, Nicky G. Hitch assembly. 4,807,899, 2-28-89, Cl. 280-477.000.

Belcher, R. Allan, to Burr-Brown Corporation. Apparatus and methods for digital-to-analog conversion using modified LSB switching. 4,890,106, 12-26-89, Cl. 341-144.000.

Belcher, Richard D.: *See*—

Bitner, C. Ellsworth; Harris, John D.; and Belcher, Richard D., 4,833,615, Cl. 364-463.000.

Belco Pollution Control Corporation: *See*—

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Beldam, Richard P.; and Himsl, Walter, to Thermag Industries Inc. Heat exchanger with individual twinplate headers. 4,846,268, 7-11-89, Cl. 165-153.000.

Belde, Horst: *See*—

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Pearson, Michael J.; and Belding, William A., 4,868,147, Cl. 502-238.000.

Belec, Glenn R.: *See*—

Baltz, Gene F.; and Belec, Glenn R. 4,800,856, Cl. 123-413.000.

Belek, Ronald E.; Mongeon, Robert J.; and Laughman, Lanny M., to United States of America, Air Force. Low loss electro-optic modulator mount. 4,849,719, 7-18-89, Cl. 332-7.510.

Belenkii, Boris G.: *See*—

Svec, Frantisek; Bleha, Miroslav; Tennikova, Tatiana B.; and Belenkii, Boris G., 4,889,632, Cl. 210-500.280.

Belenky, Boris G.: *See*—

Lobazov, Alexandr F.; Mostovnikov, Vasily A.; Nechaev, Sergei V.; and Belenky, Boris G., 4,822,167, Cl. 356-317.000.

Beleski, Donald R.: *See*—

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Beley, Serce; and Fourrey, Francois, to Cycles Peugeot. Seat structure having a pivotable backrest and in particular a front seat structure of a motor vehicle. 4,799,733, 1-24-89, Cl. 297-379.000.

Belfer, Daniel F., to Bell Communications Research, Inc. Method of operating a computer system to provide customed I/O information including language translation. 4,870,610, 9-26-89, Cl. 364-900.000.

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Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G., 4,803,619, Cl. 364-200.000.

Belgarde, Richard J. Apparatus for realigning vehicle body and frame members. 4,854,151, 8-8-89, Cl. 72-447.000.

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Minenko, Leonid P.; Osher, Mikhail I.; Belikov, Evgeny V.; and Klyatis, Lev M., 4,852,927, Cl. 294-86.400.

Beliles, Homer J.; Cantrell, M. Dale; and Sanders, Carl H., to Beliles, Homer J.; and Cantrell, M. Dale. Method and apparatus for connecting a rear trailer in a tandem tractor-trailer assembly. 4,838,754, 6-13-89, Cl. 414-607.000.

Beling, Thomas E., to Sigma Instruments, Inc. Power transmission systems and means for control thereof. 4,859,925, 8-22-89, Cl. 323-210.000.

Belinsky, Sidney I. Swap type floating platforms. 4,864,958, 9-12-89, Cl. 114-265.000.

Belinsky, Sidney I. Fast loading articulated platforms system—FLAPS. 4,884,521, 12-5-89, Cl. 114-72.000.

Belisaire, Daniel, to Legris S.A. Passage of pressurized fluids through masonry work. 4,870,792, 10-3-89, Cl. 52-220.000.

Belisle, John I., to Donaldson Company, Inc. Composite container and its method of manufacture. 4,823,956, 4-25-89, Cl. 206-523.000.

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Belk, Thomas J., to Ethyl Corporation. Particle classifier and method. 4,857,173, 8-15-89, Cl. 209-2.000.

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Belka, Heinrich, to Esge-Marby GmbH & Co., KG. Bicycle luggage carrier attachment arrangement. 4,840,298, 6-20-89, Cl. 224-39.000.

Belke, Robert E.; Zakraysek, Louis; and Pillar, Walter O., to General Electric Company. Tailorable multi-layer printed wiring boards of controlled coefficient of thermal expansion. 4,876,120, 10-24-89, Cl. 428-1.000.

Belke, Robert E., Jr.; Trojanowski, George F.; and Zakraysek, Louis, to General Electric Company. Metal matrix composite and structure using metal matrix composites for electronic applications. 4,806,704, 2-21-89, Cl. 174-52.400.

Belke, Werner: *See*—

Zweigart, Gerhard; Belke, Werner; Gunther, Ewald; and Gantzhorn, Walter, 4,842,328, Cl. 296-214.000.

Belkin, Naum S., administrator: *See*—

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Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.

Belknap, John C., to MacMuscle Co., Inc. Power tool system including adapter and coupling member therefor. 4,818,155, 4-4-89, Cl. 408-130.000.

Belknap, John C. Tool mounting construction. 4,870,730, 10-3-89, Cl. 29-26.00A.

Bell, A. Milton; Gamberg, Murray G.; and Kurzeja, Ronald, to Denpac Corp. Sintered alloy dental prosthetic devices and method. 4,828,495, 5-9-89, Cl. 433-200.100.

Bell, Albert H., III, to General Motors Corporation. Power turbine and reduction gear assembly. 4,825,645, 5-2-89, Cl. 60-39.161.

Bell, Albert H., III, to General Motors Corporation. Regenerator seal assembly. 4,862,949, 9-5-89, Cl. 165-9.000.

Bell, Alexander: *See*—

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Andreadakis, Nicholas C., 4,853,590, Cl. 313-485.000.

Andrejco, Matthew J.; and MacChesney, John B., 4,812,153, Cl. 65-3.120.

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Arthurs, Edward; and Hui, Yu-Ngai J., 4,817,084, Cl. 370-60.000.

Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,834,483, Cl. 350-96.160.

Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,873,681, Cl. 370-3.000.

Bagley, Brian G.; Kurkjian, Charles R.; and Quinn, William E., 4,835,057, Cl. 428-391.000.

Bagley, Brian G.; and Quinn, William E., 4,885,186, Cl. 427-38.000.

Baker, Gregory L.; and Klausner, Cynthia F., 4,824,522, Cl. 156-643.000.

Baker, Gregory L.; Jackel, Janet L.; and Schlotter, Nicholas E., 4,834,480, Cl. 350-96.120.

Baker, Gregory L.; Bowden, Murrae J. S.; Gozdz, Antoni S.; and Klausner, Cynthia F., 4,863,834, Cl. 430-286.000.

Banwell, Thomas C.; and Stephens, William E., 4,796,266, Cl. 372-38.000.

Beckner, Mark W.; Chao, Hung-Hsiang J.; Robe, Thomas J.; and Smoot, Lanny S., 4,819,226, Cl. 370-55.000.

Beckner, Mark W.; Porter, Frederick D.; and Shu, Kuang-I., 4,833,671, Cl. 370-80.000.

Belfer, Daniel F., 4,870,610, Cl. 364-900.000.

Brackett, Charles A.; Heritage, Jonathan P.; Salehi, Jawad A.; and Weiner, Andrew M., 4,866,699, Cl. 370-3.000.

Brickell, Ernest F.; Lee, Pil J.; and Yacobi, Yacov, 4,845,749, Cl. 380-46.000.

Bussey, Howard E., Jr.; Giacopelli, James N.; and Marcus, William S., 4,797,880, Cl. 370-60.000.

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Cox, Donald C., 4,811,424, Cl. 455-260.000.

Deerwester, Scott C.; Dumais, Susan T.; Furnas, George W.; Harshman, Richard A.; Landauer, Thomas K.; Lochbaum, Karen E.; and Streeter, Lynn A., 4,839,853, Cl. 364-900.000.

Dyer, Christopher K., 4,863,813, Cl. 429-33.000.

Feustel, Timothy C.; Glemboski, Mark A.; Ordun, Michael R.; Velius, George A.; and Weinstein, Stephen B., 4,827,518, Cl. 381-42.000.

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Gmitter, Thomas J.; and Yablonovitch, Eli, 4,846,931, Cl. 156-633.000.

Gmitter, Thomas J.; and Yablonovitch, Eli, 4,883,561, Cl. 156-633.000.

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Gregory, Stephen; and Rogers, Charles T., Jr., 4,814,622, Cl. 250-306.000.

Grinberg, Anatoly; and Kastalsky, Alexander, 4,839,702, Cl. 357-16.000.

Hekimian, Norris C.; and Ingle, James F., 4,833,675, Cl. 370-100.000.

Hubbard, William M.; and Kong, Dennis T., 4,835,768, Cl. 370-106.000.

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Kapon, Elyahou, 4,869,569, Cl. 350-96.120.

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Li, Shuo-Yen R., 4,852,091, Cl. 370-85.000.

Lin, Daniel, 4,797,925, Cl. 381-36.000.

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Pattavina, Achille, 4,870,641, Cl. 370-60.000.

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Yablonovitch, Eli; and Gmitter, Thomas J., 4,843,037, Cl. 437-235.000.

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Bell, David C.; and Smith, Joe, to J. Gibson McIlvain Company. Laser alignment device for sawmills. 4,885,967, 12-12-89, Cl. 83-520.000.

Bell, Donald G. Resealable bag closure arrangement. 4,810,103, 3-7-89, Cl. 383-70.000.

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Goodman, Henry J.; Walker, Evan H.; and Bell, Emmett L., 4,881,400, Cl. 73-35.000.

Bell, Eugene; and Weinberg, Crispin. Tissue equivalent test systems. 4,835,102, 5-30-89, Cl. 435-29.000.

Bell, Frederick K.; Brazier, Gary E.; and Brown, Stephen N., to Warner & Swasey Company, The. Method for calibrating a coordinate measuring machine and the like and system therefor. 4,819,195, 4-4-89, Cl. 364-571.050.

Bell, George F. Propulsion device for small boats. 4,810,217, 3-7-89, Cl. 440-13.000.

Bell, Gerald. Fiberoptically illuminated table. 4,807,095, 2-21-89, Cl. 362-127.000.

Bell, Gordon L. Unified monitoring system for hazardous and toxic waste. 4,867,604, 9-19-89, Cl. 405-128.000.

Bell, Gregory B.: *See*—

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Bell, Harry T. Illuminated location sign. 4,807,378, 2-28-89, Cl. 40-576.000.

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Gaston, Lynn S., 4,802,861, Cl. 439-247.000.

Olson, Rohn L.; and Caero, Jose G., 4,819,692, Cl. 137-614.030.

Smith, Andrew; and Wolstencroft, Frank, 4,865,277, Cl. 244-234.000.

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Bell & Howell Company: *See*—

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Baggarly, Brad A.; and Scullion, Christopher K., 4,797,830, Cl. 364-464.030.

Guenther, Kenneth L.; Rabindran, Karavattuveetil G.; Faber, Thomas J.; and Abrams, Jack S., 4,877,346, Cl. 400-624.000.

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Bell, James A. E.; Eerkes, Thijs; Diaz, Carlos M.; and Mankins, William L., to Inco Limited. Manufacture of composite structures. 4,836,979, 6-6-89, Cl. 419-23.000.

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Bell, James C., to United States of America, Navy. Air cushion vehicle stern seal. 4,834,011, 5-30-89, Cl. 114-67.00A.

Bell, James P.; and Schmidt, Randall G. Polymeric coupling agent. 4,812,363, 3-14-89, Cl. 428-420.000.

Bell, Jan E. Piano roll cabinet. 4,836,391, 6-6-89, Cl. 211-60.100.

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Sager, David J.; Ramanujan, Raj K.; and Bell, Jeffrey L., 4,825,412, Cl. 365-49.000.

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Bell, John A.; Wilson, Harold E.; and McSorley, Wilford L., to Golfore Ltd. Golf game apparatus. 4,848,769, 7-18-89, Cl. 273-184.00B.

Bell, John A.: *See*—

Chavez, Frank J.; and Bell, John A., 4,865,225, Cl. 222-108.000.

Bell, John K. A.: *See*—

Fuller, John R. D.; and Bell, John K. A., 4,804,310, Cl. 415-115.000.

Bell, Jonathan D.: *See*—

Blacklin, Peter A.; and Bell, Jonathan D., 4,835,924, Cl. 52-263.000.

Bell, Joseph P. Plastic pallet. 4,809,618, 3-7-89, Cl. 108-51.100.

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Dormandy, Ray H., Jr.; and Bell, Julie D., 4,819,637, Cl. 128-325.000.

Bell, Kenneth L.: *See*—

Lazarus, Richard M.; Bell, Kenneth L.; and Bauer, Carla M., 4,808,513, Cl. 430-331.000.

Bell, Kenneth M., to Texas Instruments Incorporated. Constant current drive circuit with reduced transient recovery time. 4,879,524, 11-7-89, Cl. 330-288.000.

Bell, L. Douglas: *See*—

Kaiser, William J.; and Bell, L. Douglas, 4,823,004, Cl. 250-306.000.

Bell, Louis: *See*—

Wellington, Robert; and Bell, Louis, 4,825,741, Cl. 83-748.000.

Bell, Malcolm R., to Sterling Drug Inc. Method of use of 3-arylcarbonyl- and 3-cycloalkyl-carbonyl-1-aminoalkyl-1H-indoles. 4,885,295, 12-5-89, Cl. 514-235.200.

Bell, Malcolm R.: *See*—

D'Ambra, Thomas E.; and Bell, Malcolm R., 4,840,950, Cl. 514-235.200.

D'Ambra, Thomas E.; and Bell, Malcolm R., 4,874,761, Cl. 514-235.200.

Bell, Mark: *See*—

Morgan, Leonard J.; and Bell, Mark, 4,871,392, Cl. 71-121.000.

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Bell, Marshall J., Jr.; and Draper, Daniel S., to Tektronix, Inc. Gain cell with digital control. 4,885,547, 12-5-89, Cl. 330-254.000.

Bell, Merle L.: *See*—

Lehr, Douglas J.; Bell, Merle L.; Rubbo, Richard P.; and Forehand, Richard L., 4,872,510, Cl. 166-327.000.

Bell, Michael. Outlet tube restrictor. 4,801,050, 1-31-89, Cl. 222-212.000.

Bell, Myron H.: *See*—

Hersberger, Jill G.; Bell, Myron H.; Harding, Robert L.; and Spadafora, Peter J., 4,885,710, Cl. 364-565.000.

Spadafora, Peter J.; Hersberger, Jill G.; Bell, Myron H.; and Harding, Robert L., 4,799,178, Cl. 364-565.000.

Bell, Noel G. Tunnel construction. 4,889,448, 12-26-89, Cl. 405-135.000.

Bell-Northern Research Limited: *See*—

Bertignoll, Friedrich; and Pocock, Mark W., 4,817,164, Cl. 381-189.000.

Fournier, Serge, 4,858,143, Cl. 364-491.000.

Bell of Pennsylvania: *See*—

Butterworth, Donald J., 4,858,075, Cl. 361-395.000.

Stevenson, Lawrence O., 4,849,582, Cl. 174-135.000.

Bell, Peter D. Wire holding nail plate. 4,807,417, 2-28-89, Cl. 52-699.000.

Bell, Peter D. Holding strap. 4,845,913, 7-11-89, Cl. 52-699.000.

Bell, Ramona R. External catheter urine collection system. 4,840,625, 6-20-89, Cl. 604-352.000.

Bell, Randall R., III. Fishing rod holder extension. 4,876,980, 10-31-89, Cl. 114-364.000.
Bell, Raymond T.: *See—*
  Burt, David J.; and Bell, Raymond T., 4,811,106, Cl. 358-213.260.
Bell, Robert: *See—*
  Owen, William; Bell, Robert; Chase, Douglas; and Briese, Leonard, 4,828,225, Cl. 254-382.000.
Bell, Robert L., to Fisher Dynamics Corporation. Gear operated seat recliner with redundant positioning. 4,795,213, 1-3-89, Cl. 297-367.000.
Bell, Robert L., to Fisher Dynamics Corporation. Quick release mechanism for gear operated seat recliner. 4,822,100, 4-18-89, Cl. 297-367.000.
Bell, Robert M.; Loomis, Carson; and Hannun, Yusuf, to Duke University. Inhibition of protein kinase C by long-chain bases. 4,816,450, 3-28-89, Cl. 514-25.000.
Bell, Ronald B., to Radian Corporation. Low NOX cogeneration process. 4,311,555, 3-14-89, Cl. 60-39.060.
Bell South Corporation: *See* –
  McNeal, Thomas E., 4,818,310, Cl. 156-48.000.
  Smith, Richard B.; and Tolson, Michael T., 4,799,251, Cl. 379-1.000.
Bell, Stephen: *See—*
  Keith, William J.; Parsons, Michael; Smith, Russell P.; Glenn, Christopher J.; and Bell, Stephen, 4,862,505, Cl. 381-60.000.
Bell, Stephen W. Radar reflector. 4,823,131, 4-18-89, Cl. 342-7.000.
Bell, Steven H.; Stira, Mark A.; and Blotzer, James, to Helix Technology Corporation. Purge/charge manifold and method for cryogenic systems. 4,884,410, 12-5-89, Cl. 62-77.000.
Bell, Stewart M.; and Dibble, Timothy E. Yoking apparatus. 4,864,968, 9-12-89, Cl. 119-147.100.
Bell Telephone Laboratories, Incorporated: *See—*
  Ackroff, John M.; Heffler, Michael J.; and Mitchell, John C., 4,800,485, Cl. 364-200.000.
  Frisch, David C.; Manzione, Louis T.; Poelzing, Gerhard W.; and Weber, Wilhelm, 4,837,129, Cl. 430-319.000.
Bell, Thomas J.: *See—*
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Bell, Vivien L.: *See—*
  Hulme-Lowe, Alan G.; Bell, Vivien L.; and Ferguson, Ian J., 4,861,697, Cl. 430-270.000.
Bell, Walter, Jr.: *See—*
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  Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C., Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
Bell, William E., to Aine, Harry E.; and Essenbee Inc., part interest to each. Gas laser. 4,821,279, 4-11-89, Cl. 372-61.000.
Bell, William R.: *See—*
  Kleinschmidt, Eric W.; Kloss, Thomas M., Jr.; and Bell, William R., 4,861,648, Cl. 428-40.000.
Bell, William T.; Ellis, Richard C.; and Snyder, Robert E., to Completion Tool Company. Inflatable packer with roughened mandrel. 4,871,179, 10-3-89, Cl. 277-34.600.
Bellagamba, Miro D.; and Ohly, Richard L. Golf training apparatus. 4,852,881, 8-1-89, Cl. 273-183.00B.
Bellah, Glen R.; and Williams, Kevin B., to J. I. Case Company. Mechanical transmission clutch control. 4,830,156, 5-16-89, Cl. 192-363.000.
Bellaire, David L. Method of impregnating porous abrasive elements for use in distressing fabrics. 4,850,156, 7-25-89, Cl. 51-293.000.
Bellairs, George L.; Nowak, Chris E.; and Parekh, Mahner, to Micropore. Waterproof breathable microporous membrane with cellular foam adhesive. 4,863,788, 9-5-89, Cl. 428-246.000.
Bellak, Leopold, to C.P.S. Inc. Method for monitoring a state of being. 4,844,091, 7-4-89, Cl. 128-744.000.
Bellamy, A. Richard: *See—*
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  Belz, Roland K.; and Deibig, Heinrich, 4,870,148, Cl. 526-318.410.
Bellanger, Gilbert, to Commissariat a l'Energie Atomique. Process for the decontamination of the surface of a metal port contaminated by tritium and apparatus usable for this process. 4,836,900, 6-6-89, Cl. 204-140.000.
Bellanger, Michael P., to Minnesota Mining and Manufacturing Company. Strip material with tab-like parts for forming fasteners. 4,887,339, 12-19-89, Cl. 24-575.000.
Bellanger, Regis; and Graaskamp, William J., to Massey-Ferguson Services N.V. Tractor hitch control system. 4,817,499, 4-4-89, Cl. 91-361.000.
Bellas, Benjamin J.; and O'Connell, Peter, to Bellas, Inc. Method and apparatus for pulse heating and cooking food products. 4,886,949, 12-12-89, Cl. 219-10.55A.
Bellas, Inc.: *See—*
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Bellatrix Systems, Inc.: *See—*
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Bellavia, Andrew S., Jr., to Zenith Electronics Corporation. Hybrid CATV scrambling system. 4,837,820, 6-6-89, Cl. 380-7.000.
Bellavia, Nicholas J.; Birk, Daniel J.; Conforti, Fred J.; and Sisselman, Ronald, to Pittway Corporation. Test initiation apparatus with continuous or pulse input. 4,827,244, 5-2-89, Cl. 340-514.000.
Bellay, Jeffrey D.; McDonough, Kevin C.; and Patrick, Michael W., to Texas Instruments Incorporated. Microcomputer with self-test of macrocode. 4,797,808, 1-10-89, Cl. 364-200.000.
Bellenger, Valerie: *See—*
  Levesque, Guy; Souppe, Jerome; Seris, Jean L.; and Bellenger, Valerie, 4,870,016, Cl. 435-183.000.
Beller, Frank W., to Belson Manufacturing Co., Inc. Trailer adapter for cooking devices. 4,848,316, 7-18-89, Cl. 126-276.000.
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Beller, Hans-Albert: *See—*
  Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; and Beller, Hans-Albert, 4,804,236, Cl. 303-116.000.
Bellet, Dominique; Wanda, Jack R.; and Ozturk, Mehmet, to General Hospital Corporation, The. Immunometric assay for the detection of human chorionic gonadotropin. 4,804,626, 2-14-89, Cl. 435-7.000.
Belleville, Ernest L.; and Betzig, Patricia A., to Davidson Textron Inc. Method for making foamed articles. 4,863,654, 9-5-89, Cl. 264-46.600.
Bellex Corporation: *See—*
  Inada, Yuji; Tamaura, Yutaka; and Takahashi, Katsunobu, 4,814,098, Cl. 252-62.510.
  Inada, Yuji; and Takahashi, Katsunobu, 4,822,877, Cl. 540-145.000.
Bellhouse, Brian J. Optical assay method for stored human platelets. 4,830,510, 5-16-89, Cl. 366-219.000.
Bellhouse, Brian J.; and Pugh, Sydney M., to Bellhouse Technology Limited. Apparatus and method for testing liquids. 4,844,097, 7-4-89, Cl. 128-635.000.
Bellhouse Technology Limited: *See—*
  Bellhouse, Brian J.; and Pugh, Sydney M., 4,844,097, Cl. 128-635.000.
Belli, Robert L.: *See—*
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Bellia, Paul A. Detachable inflatable boat bottom. 4,858,550, 8-22-89, Cl. 114-345.000.
Bellin, Robert W. System and method for identifying an individual utilizing grasping pressures. 4,857,916, 8-15-89, Cl. 340-825.340.
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Belling, Paul R., to United States of America, Air Force. Augmentor curtain liner assembly for sharing tensile loading. 4,854,122, 8-8-89, Cl. 60-261.000.
Belling, Paul R., to United States of America, Air Force. Augmentor curtain liner for equalizing pressure therein. 4,866,942, 9-19-89, Cl. 60-752.000.
Bellinga, Jan: *See—*
  Bloks, Hubertus M. H. A.; and Bellinga, Jan, 4,813,334, Cl. 89-36.020.
Bellingham, James G.; and MacVicar, Margaret L. A., to Massachusetts Institute of Technology. Apparatus and method for measuring the interfacial impedance in an electrochemical cell. 4,881,037, 11-14-89, Cl. 324-425.000.
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Bellini, Mario, to Ing. C. Olivetti & C., S.p.A. Flexible bag, in particular for office machines. 4,826,329, 5-2-89, Cl. 383-3.000.
Belliotti, Thomas R; Connor, David T.; Flynn, Daniel L.; Kostas, Catherine R.; and Nies, Donald E., to Warner-Lambert Company. Process of preparing pyrazoles, isoxazoles and analogs thereof having activity as 5-lipoxygenase inhibitors. 4,877,881, 10-31-89, Cl. 548-240.000.
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  Naish, Peter J.; Stanbury, Evan J.; Watkins, Gregory D.; Bellis, Graeme J.; and Hansford, Alan E., 4,850,010, Cl. 379-107.000.
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Bellis, John: *See—*
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Bellis, Kenneth E.; Brown, Jackson E.; and Nagarwalla, Pheroze J., to Roberts Corporation. Machine and method for making molds using an activating gas. 4,830,082, 5-16-89, Cl. 164-16.000.

Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; and Rea, James, to Roberts Corporation. Forming apparatus having catalyst introduction simultaneous with sand injection. 4,836,269, 6-6-89, Cl. 164-200.000.
Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; Niedermeyer, William; and Pawlak, Paul, to Roberts Corporation. Method and apparatus for bonding pairs of mold shells into molds. 4,883,558, 11-28-89, Cl. 156-292.000.
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Bellis, Robert D., to Coin Controls Limited. Coin dispensing apparatus with ejecting member. 4,798,558, 1-17-89, Cl. 453-32.000.
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Bellman, Alfred H., Jr.; Fowler, Mark A.; and Christ, Stewart H., to Household Data Services (HDS). Electronic surveillance system. 4,831,438, 5-16-89, Cl. 358-108.000.
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Bellmer, Klaus; and Capelle, Gerd, to Hermann Berstorff Maschinenbau GmbH. Extrusion head. 4,799,874, 1-24-89, Cl. 425-131.100
Bellmer, Klaus, to Hermann Berstorff Maschinenbau GmbH. Preparatory station for facilitating the interchange of pre-forming bar assemblies in an extrusion head. 4,832,590, 5-23-89, Cl. 425-185.000.
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Belloc, Jacques; Morlec, Emile; Godard, Dominique; and Quintin, Michel, to International Business Machines Corporation. Echo cancelling device for data transmission over two-wire lines. 4,887,257, 12-12-89, Cl. 370-32.100.
Belloc, Jacques; Godard, Dominique; Morlec, Emile; and Quintin, Michel, to International Business Machines Corporation. Echo cancelling device with phase-roll correction. 4,887,258, 12-12-89, Cl. 370-32.100.
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Bellos, Thomas J.; Greenlee, Roy W.; and Welge, Frederick T., to Petrolite Corporation. Method of removing water soluble organics from oil process water. 4,818,410, 4-4-89, Cl. 210-639.000.
Bellos, Thomas J.; and Lovett, Eva G., to Petrolite Corporation. Polyalkanolamines. 4,840,748, 6-20-89, Cl. 252-344.000.
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Bellotti, Marc; Schnell, William J.; Love, John F.; Murphey, Randy K.; Taylor, Larry C.; and Peluso, Franco, to Baxter Travenol Laboratories, Inc. Fluid flow control valve and transfer set. 4,821,996, 4-18-89, Cl. 251-9.000.
Bellotti, Marc; Lueders, Arthur; Granzow, Daniel B.; Taylor, Larry C.; and Nauman, Mark, to Baxter International Inc. Apparatus for exchanging and irradiating tubing connections. 4,882,496, 11-21-89, Cl. 250-455.100.
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Bellow, Edward J., Jr.; Bixel, John C.; Heaney, William F.; and Yan, Tsoung Y., to Mobil Oil Corporation. Drying low rank coal and retarding spontaneous ignition. 4,828,575, 5-9-89, Cl. 44-501.000.
Bellows, Alfred H.; and Duchene, Glenn A., to GTE Laboratories Incorporated. Expansion/evaporation cooling system for microelectronic devices. 4,838,041, 6-13-89, Cl. 62-51.200.
Bellows, James C., to Westinghouse Electric Corp. System and method for detecting contaminants in a steam power generating system. 4,822,744, 4-18-89, Cl. 436-38.000.
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Bellucci, Sergio; Hubele, Adolf; and Nyffeler, Andreas, to Ciba-Geigy Corporation. Use of quinoline derivatives for protecting cultivated plants. 4,851,031, 7-25-89, Cl. 71-92.000.
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  Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, 4,831,202, Cl. 585-533.000.
  Romano, Ugo; Clerici, Mario G.; Bellussi, Giuseppe; and Buonomo, Franco, 4,849,387, Cl. 502-64.000.
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Belly, Robert T.; Mura, Albert J.; Esders, Theodore W.; and Burdick, Brent A., to Eastman Kodak Company. Reducible compounds and analytical compositions, elements and methods utilizing same. 4,857,271, 8-15-89, Cl. 422-55.000.
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  Babb, Bruce E.; Belly, Robert T.; and Scensny, Patricia M., 4,812,409, Cl. 435-7.000.
  Cichanowicz, Peggy W.; and Belly, Robert T., 4,885,239, Cl. 435-34.000.
  Cichanowicz, Peggy W.; and Belly, Robert T., 4,888,287, Cl. 435-34.000.
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  Mura, Albert J.; Belly, Robert T.; and Lum, Vanessa R., 4,853,186, Cl. 422-55.000.
  Snyder, Brian A.; and Belly, Robert T., 4,847,199, Cl. 435-36.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., to Corporate Communications Consultants, Inc. Video color detector and chroma key device and method. 4,811,084, 3-7-89, Cl. 358-22.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., to Corporate Communications Consultants, Inc. Color correction system and method with scene-change detection. 4,823,184, 4-18-89, Cl. 358-27.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., to Corporate Communications Consultants, Inc. Color correction system and method. 4,857,994, 8-15-89, Cl. 358-22.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., to Corporate Communications Consultants, Inc. Color correction system and method. 4,862,251, 8-29-89, Cl. 358-22.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., to Corporate Communications Consultants, Inc. Color correction system with color level modification and corresponding method. 4,866,511, 9-12-89, Cl. 358-27.000.
Belmont, Ernest O.: *See—*
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Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; Forman, Edward W., Jr.; and McIntyre, David E., to Mobil Oil Corporation. Hand-grip for thermoplastic draw tape handles for thermoplastic bags. 4,813,792, 3-21-89, Cl. 383-75.000.
Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; Forman, Edward W., Jr.; and McIntyre, David E., to Mobil Oil Corporation. Reinforced handle for thermoplastic draw tape bags. 4,813,793, 3-21-89, Cl. 383-75.000.
Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; Forman, Edward W., Jr.; and McIntyre, David E., to Mobil Oil Corporation. Multiple layer hand-grip reinforcement for thermoplastic draw tape handles for thermoplastic bags. 4,880,316, 11-14-89, Cl. 383-75.000.
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  Bonander, James; and Torza, Sergio, 4,861,434, Cl. 162-358.000.
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  Cronin, Dennis C., 4,879,001, Cl. 162-206.000.
  Crouse, Jere W., 4,852,229, Cl. 29-116.200.
  Ely, Donald A., 4,850,121, Cl. 34-116.000.
  Eriksson, Arne, 4,857,180, Cl. 209-664.000.
  Fredriksson, Borje, 4,804,439, Cl. 162-55.000.

Fredriksson, Borje; and Cahmberlin, Jeffery L., 4,861,165, Cl. 366-165.000.
Fujiwara, Haruyoshi; and Toyofuku, Toshihiro, 4,808,445, Cl. 427-428.000.
Gobel, Richard J., 4,860,462, Cl. 34-108.000.
Grant, Ralph S., 4,849,052, Cl. 162-39.000.
Kato, Kenzo; and Yamada, Kengi, 4,860,686, Cl. 118-410.000.
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Kutilin, Eugen E., 4,805,678, Cl. 144-342.000.
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LeBlanc, Peter E., 4,855,038, Cl. 209-273.000.
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Pulkowski, Jeffrey H.; Macklem, Elizabeth A.; and Busker, L. H., 4,874,469, Cl. 162-359.000.
Rodal, Jose J. A., 4,877,472, Cl. 156-184.000.
Roerig, Arnold J.; and Hergert, Richard R., 4,837,907, Cl. 29-115.000.
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Skaugen, Borgeir, 4,874,470, Cl. 162-360.100.
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Wedel, Gregory L.; and Chance, J. Larry, 4,823,688, Cl. 100-93.0RP.
Wedel, Gregory L., 4,875,976, Cl. 162-306.000.
Wedel, Gregory L., 4,876,803, Cl. 34-117.000.
Wedel, Gregory L., 4,878,299, Cl. 34-35.000.
Wedel, Gregory L., 4,880,502, Cl. 162-359.000.
Wedel, Gregory L.; and Chance, J. Larry, 4,882,854, Cl. 34-115.000.
Welsby, John, 4,835,881, Cl. 34-117.000.
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Belokin, Martin P.; and Belokin, Normal P. Display device and method of assembly. 4,854,246, 8-8-89, Cl. 108-111.000.
Belokin, Normal P.: *See—*
Belokin, Martin P.; and Belokin, Normal P., 4,854,246, Cl. 108-111.000.
Belongia, Larry P.: *See—*
Jorgensen, Allen R.; Belongia, Larry P.; Gordon, Kenneth A.; and La Haye, John L., 4,798,350, Cl. 242-64.000.
Belorussky Gosudarstvenny Universitet imeni V.I. Lenina: *See—*
Dimitrov, Dimith T.; Matjukhina, Ljudimila I.; Mikhalev, Alexandr S.; and Chushenkov, Igor M., 4,888,538, Cl. 318-675.000.
Belorussky Politekhnichesky Institute: *See—*
Kozlov, Valery S.; Polyakova, Elena A.; Novikov, Alexei E.; and Krupko, Mikhail T., 4,806,862, Cl. 324-213.000.
Novikov, Alexei E.; Putan, Leonid A.; Meerovich, Valery I.; Semizelnikov, Anatoly N.; and Pokatilov, Vladimir P., 4,835,470, Cl. 324-213.000.
Belorussky Tekhnologichesky Institut Imeni S.M. Kirova: *See—*
Svidunovich, Nikolai A.; Parfenov, Leonid I.; Garost, Alexandr I.; Sorokin, Gennady A.; Volkov, Viktor N.; Obiedkov, Viktor A.; Karbanovich, Valery K.; Vashkevich, Vladimir V.; and Verbitsky, Alexandr N., 4,855,105, Cl. 420-75.000.
Belouschek, Peter: *See—*
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Naidenov, Evgeny V.; Belozerov, Georgy I.; Salov, Viktor E.; and Zakharov, Ivan V., 4,872,118, Cl. 364-463.000.
Belrose, Frank R. Magnetic map marker. 4,800,662, 1-31-89, Cl. 40-426.000.
Belrose, Frank R. Tire inflation device for emergencies. 4,852,624, 8-1-89, Cl. 152-415.000.
Belser, John W.: *See—*
Vaughan, Robert A.; and Belser, John W., 4,888,929, Cl. 52-400.000.
Belshaw Bros., Inc.: *See—*
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Belsky, Stephen E.: *See—*
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Belson Manufacturing Co., Inc.: *See—*
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Beller, Frank W., 4,882,985, Cl. 99-426.000.
Belt, James S.: *See—*
Kim, Kwan Y.; Lee, Yee; and Belt, James S., 4,831,746, Cl. 34-23.000.
Belter, Jerome G., to Dana Corporation. Method of manufacturing a gasket having multiple regions of different densities and thicknesses. 4,810,454, 3-7-89, Cl. 264-271.100.
Belter, Jerome G., to Dana Corporation. Protective boot assembly. 4,813,913, 3-21-89, Cl. 464-175.000.
Belter, Jerome G., to Dana Corporation. Angled junction sealing structure for gaskets. 4,817,967, 4-4-89, Cl. 277-199.000.
Belthle, Heinz, to Schaudt Maschinenbau GmbH. Method of and machine for grinding internal threads. 4,860,501, 8-29-89, Cl. 51-288.000.
Beltman, Charles H.: *See—*
Lissant, Kenneth J.; Beltman, Charles H.; and Bradley, Guy M., 4,844,620, Cl. 366-136.000.
Beltone Electronics Corporation: *See—*
Anderson, James R.; and Brander, Richard, 4,829,270, Cl. 333-14.000.
Anderson, James R.; and Brander, Richard, 4,876,499, Cl. 323-312.000.
Cerny, Elmer J.; and Stanton, Mark F., 4,860,890, Cl. 206-333.000.
Weiss, Erwin W., 4,870,689, Cl. 381-68.600.
Beltz, David B.: *See—*
Orjela, Gurdev; Assaad, Mahmoud C.; Beltz, David B.; and Prakash, Amit, 4,823,857, Cl. 152-540.000.
Beltzer, Morton; and Jahanmir, Said, to Exxon Research and Engineering Company. Ashless anti-wear additives. 4,840,741, 6-20-89, Cl. 252-47.000.
Belvederi, Bruno, to G. D. Societa per Azioni. Filter assembly machine. 4,848,371, 7-18-89, Cl. 131-94.000.
Belvederi, Bruno, to G. D. Societa' Per Azioni. Ventilated cigarette of uniform flavor. 4,865,055, 9-12-89, Cl. 131-331.000.
Belvederi, Bruno, to G.D Societa' per Azioni. Dual-rod cigarette manufacturing machine. 4,883,076, 11-28-89, Cl. 131-84.400.
Belyeu, Stanley M.: *See—*
Ballou, Richard; Belyeu, Stanley M.; Boscove, Joseph A.; Kurtz, Hobart L.; Langer, Peter; McNeill, Andrew B.; Reid, Bernard M.; and Rodriguez, Herman, 4,811,240, Cl. 364-518.000.
Belykh, Sergei I.; Davydov, Anatoly B.; Moschensky, Anatoly D.; Kanshin, Nikolai N.; Kovalenko, Igor L.; Kirillov, Jury B.; Osipov, Gennady I.; and Utyamyshev, Rustam I., to Vsesojuzny Nauchno-Issledovatelsky I Ispytatelny Institut Meditsinskoi Tekhniki. Suture material. 4,875,479, 10-24-89, Cl. 128-335.500.
Belz, James C.: *See—*
Petronio, Carlo F.; and Belz, James C., 4,850,042, Cl. 455-606.000.
Belz, Roland K.; and Deibig, Heinrich, to RB Kunststoffpatent-Verwertungs AG; and Belland AG. Thermoplastic polymer and articles made from a thermoplastic polymer. 4,870,148, 9-26-89, Cl. 526-318.410.
Belzer, Folkert D.; and Southard, James H., to Wisconsin Alumni Research Foundation. Solution for the preservation of organs. 4,879,283, 11-7-89, Cl. 514-60.000.
Belzer, Folkert O.; and Southard, James H., to Wisconsin Alumni Research Foundation. Perfusate for the preservation of organs. 4,798,824, 1-17-89, Cl. 514-60.000.
Belzer, Folkert O.; and Southard, James H., to Wisconsin Alumni Research Foundation. Composition for the preservation of organs. 4,873,230, 10-10-89, Cl. 514-60.000.
Bemis Company, Inc.: *See—*
James, Robert C.; and Pederson, Richard J., 4,821,487, Cl. 53-412.000.
Monds, Paul F., 4,834,609, Cl. 414-739.000.
Ben-Amoz, Daniel. Ultrasonic transdermal application of steroid compositions. 4,866,050, 9-12-89, Cl. 514-179.000.
Ben-Arieh, David; Fritsch, Charles A.; Mandel, Kostia; Starzinski, Albert F.; and Venugopal, Raghunath, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Product realization method. 4,807,108, 2-21-89, Cl. 364-148.000.
Ben-Artzi, Amatzia, to Sytek, Inc. Bridge system for connecting networks. 4,797,881, 1-10-89, Cl. 370-88.000.
Ben-Auraham, Peretz: *See—*
Landa, Benzion; Ben-Auraham, Peretz; Hall, Joseph; and Gibson, George A., 4,842,974, Cl. 430-137.000.
Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, to Cetus Corporation. Bacterial methionine N-terminal peptidase. 4,865,974, 9-12-89, Cl. 435-68.000.
Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, to Cetus Corporation. Bacterial methionine N-terminal peptidase. 4,870,017, 9-26-89, Cl. 435-212.000.
Ben Clements & Sons, Inc.: *See—*
Jacobsen, Thomas; and Parker, Alexander L., 4,827,991, Cl. 140-93.600.
Ben-David, David. Parked vehicle locating aid. 4,881,758, 11-21-89, Cl. 283-102.000.
Ben-Dosa, Chaim. Cleaning system for fluid-conducting tubing. 4,865,121, 9-12-89, Cl. 165-95.000.
Ben-Dov, Meir. Bone growth stimulator. 4,889,111, 12-26-89, Cl. 128-419.00F.
Ben-Dov, Oded, to General Signal Corporation. Process of fabricating a waveguide. 4,865,839, 12-12-89, Cl. 29-600.000.
Ben, Franz J. Apparatus for repairing buried pipes. 4,861,248, 8-29-89, Cl. 425-13.000.
Ben-Gal, Ofer; and Sabatov, Nissim. Toy construction apparatus. 4,822,315, 4-18-89, Cl. 446-102.000.
Ben-Gurion University of the Negev Research & Development Authority: *See—*
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Ben Lee Calls: *See—*
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Ben-Michael, Abraham, to Savyon Diagnostics Limited. Method for carrying out enzyme assays. 4,849,342, 7-18-89, Cl. 435-7.000.
Ben-Michael, Abraham, to Savyon Diagnostics Limited. Stable chemical compositions containing chromogenic materials, peroxides, and stabilizing chemicals. 4,886,760, 12-12-89, Cl. 436-66.000.
Ben-Sasson, Shmuel, to Rafa Laboratories. Preparation and method for effecting fat and lipid adsorption. 4,840,795, 6-20-89, Cl. 424-690.000.
Ben-Tovim, Nathan. Ophthalmoscope. 4,856,892, 8-15-89, Cl. 351-218.000.
Ben-Zvi, Seymour: *See—*
Valenti, Andrew; Perez, Antonio; and Ben-Zvi, Seymour, 4,857,857, Cl. 324-555.000.

Benack, Kerin S.: *See—*
Blanchet-Fincher, Graciela B.; Benack, Kerin S.; and Taggi, Arthur J., 4,849,784, Cl. 355-274.000.
Benages, Alexander. Curbside mailbox signal. 4,872,210, 10-3-89, Cl. 340-569.000.
Benahim, Guy; Dutaut, Jean-Michel; and Giraudon, Jean-Claude, to Thomson-CSF. Device to control the output power of a class C amplifier. 4,890,070, 12-26-89, Cl. 330-296.000.
Benani, Andre: *See—*
Belaidouni, Ali; Benani, Andre; and Millet, Jean-Marie, 4,852,241, Cl. 29-564.400.
Belaidouni, Ali; Benani, Andre; and Millet, Jean-Marie, 4,856,183, Cl. 29-753.000.
Benanti, Giuseppe, to S.I.F.I. Societa Industria Farmaceutica Italiana S.p.A. Lysine salt of 4-diphenylacetic acid and its ophthalmic fomulations. 4,797,423, 1-10-89, Cl. 514-914.000.
Benaroya, Henry. Energy producing installation with internal combustion engine and turbine. 4,873,822, 10-17-89, Cl. 60-39.750.
Benarrouch, Jacques: *See—*
Capy, Gilbert; Allain, Jean-Luc; and Benarrouch, Jacques, 4,795,648, Cl. 426-111.000.
Benas, Edward P., to United Technologies Corporation. Night vision goggle compatible alarm. 4,849,755, 7-18-89, Cl. 340-946.000.
Benavides, A. Fernando: *See—*
Prabhakar, Rakesh; Benavides, A. Fernando; Nitescu, Petru; and Ebbing, Peter, 4,813,840, Cl. 414-433.000.
Benavides, Manuel G. Safety book matches. 4,795,027, 1-3-89, Cl. 206-106.000.
Benayad-Cherif, Faycal E.: *See—*
Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., 4,815,008, Cl. 364-513.000.
Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., 4,829,442, Cl. 364-449.000.
Benayad-Cherif, Faycal E. K.; Maddox, James F.; and George, Robert W., II. Position locating system for a vehicle. 4,815,840, 3-28-89, Cl. 356-1.000.
Benbow, Christopher B. Yarn dispensing apparatus. 4,846,388, 7-11-89, Cl. 226-134.000.
Bench, Ronald W.; Peitz, Robert W., Jr.; Palmer, John M.; and Erbs, Daryl G., to Carrier Corporation. Outdoor ambient temperature determination. 4,835,715, 5-30-89, Cl. 364-557.000.
Bench, Thomas R.; and McCann, Larry D., to United States of America, Energy. Method and apparatus for the in situ decontamination of underground water with the aid of solar energy. 4,882,071, 11-21-89, Cl. 210-747.000.
Benckhuijsen, Jan-Gerrit, to Temova Establissement. Protective cover for legs & joints of hoofed animals. 4,834,079, 5-30-89, Cl. 128-82.100.
Benckiser-Knapsack GmbH: *See—*
Adam, Peter; Nebelung, Adolf; and Vogt, Michael, 4,871,578, Cl. 427-2.000.
Kleemann, Stephan; and Ehret, Werner, 4,828,766, Cl. 260-502.40P.
Kleemann, Stephan G.; and Claus, Guenter, 4,851,557, Cl. 556-110.000.
Bencriscutto, Michael. Golf club putter. 4,795,157, 1-3-89, Cl. 273-164.000.
Bencriscutto, Michael. Machine for digging a putting cup hole. 4,836,294, 6-6-89, Cl. 172-22.000.
Bencsura, Akos: *See—*
Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso ; Nemes, Istvan; Botar, Laszlo ; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
Bencuya, Selim S.; Michon, Gerald J.; Tiemann, Jerome J.; Toker, James R.; and Vogelsong, Thomas L., to Polaroid Corporation. Charge injection device with low noise readout. 4,843,473, 6-27-89, Cl. 358-213.180.
Bencze, Istavan, to Den Norske Stats Oljeselskap A.S.; and ABB Atom AB. Method and apparatus for transporting unprocessed well streams. 4,848,471, 7-18-89, Cl. 166-335.000.
Benczur-Urmossy, Gabor: *See—*
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Bend Research, Inc.: *See—*
Babcock, Walter C.; and Friesen, Dwayne T., 4,876,287, Cl. 521-28.000.
Baker, Richard W.; and Ninomiya, Yasuo, 4,808,408, Cl. 424-408.000.
Boddeker, Karl W., 4,806,245, Cl. 210-640.000.
Friesen, Dwayne T.; and Obligin, Alan S., 4,877,528, Cl. 210-500.290.
Friesen, Dwayne T.; and Babcock, Walter C., 4,883,593, Cl. 210-500.320.
Lee, Eric K. L.; and Tuttle, Mark E., 4,851,127, Cl. 210-654.000.
Matson, Stephen L.; Lee, Eric K. L.; Friesen, Dwayne T.; and Kelly, Donald J., 4,824,443, Cl. 55-16.000.
McCray, Scott B., 4,853,122, Cl. 210-321.890.
McCray, Scott B., 4,876,009, Cl. 210-500.330.
Benda, Edward K.: *See—*
DeLano, Don L.; and Benda, Edward K., 4,836,795, Cl. 277-212.0FB.
Benda, Franz, to VDO Adolf Schindling AG. Device for electrically monitoring oil level, particularly in automobile internal combustion engines. 4,845,469, 7-4-89, Cl. 340-450.300.
Benda, Franz: *See—*
Acht, Joachim; and Benda, Franz, 4,851,772, Cl. 324-208.000.
Benda, John A.: *See—*
Sziklas, Edward A.; and Benda, John A., 4,841,541, Cl. 372-94.000.
Bendall, Max R., to Varian Associates, Inc. Calibrated decoupling of tightly coupled concentric surface coils. 4,812,764, 3-14-89, Cl. 324-318.000.
Bendall, Max R.; and Pegg, David T. Method and apparatus for performing an NMR experiment. 4,820,983, 4-11-89, Cl. 324-307.000.
Bendel, Peter: *See—*
Zur, Yuval; and Bendel, Peter, 4,795,978, Cl. 324-309.000.
Bendele, Hanns J.: *See—*
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Bender, Albert; Guenther, Dieter; and Lingnau, Juergen, to Hoechst Aktiengesellschaft. Sulfonyl-containing styrene derivatives and their use in electrophotographic processes. 4,869,983, 9-26-89, Cl. 430-58.000.
Bender, Bernhard: *See—*
Hazelett, S. Richard; Bender, Bernhard; and Savage, John V., 4,883,283, Cl. 280-204.000.
Bender, Bruce D., to Siemens Transmission Systems, Inc. Subscriber line interface circuit (SLIC) isolation from lighting-induced ground overshoots. 4,809,324, 2-28-89, Cl. 379-412.000.
Bender, David C. Construction block. 4,860,505, 8-29-89, Cl. 52-98.000.
Bender, Dean R.; Shinkai, Ichiro; De Marco, Anthony M.; and McCauley, James A., to Merck & Co., Inc. Process for producing 1-beta-methylcarbapenem antibiotic intermediates. 4,816,577, 3-28-89, Cl. 540-200.000.
Bender, Dennis E.; and Bender, Mark. Hollow ware and chimney cleaning device. 4,841,593, 6-27-89, Cl. 15-242.000.
Bender, James W.: *See—*
Kuhn, Timothy J.; Bender, James W.; and Thekdi, Arvind C., 4,802,844, Cl. 432-126.000.
Schultz, Thomas J.; Horne, Deane A.; Sikirica, Stephen J.; and Bender, James W., 4,805,881, Cl. 266-257.000.
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Bender, Mark: *See—*
Bender, Dennis E.; and Bender, Mark, 4,841,593, Cl. 15-242.000.
Bender, Paul E.; Lantos, Ivan; McGuire, Michael A.; Pridgen, Lendon N.; and Winicov, Herbert B., to SmithKline Beckman Corporation. 1.4-dihydro-4-pyridyl-substituted imidazo (2,1-b) thiazoles and the corresponding thiazines. 4,803,279, 2-7-89, Cl. 546-271.000.
Bender, Paul E.; and Hill, David T., to SmithKline Beckman Corporation. Inhibition of the 5-lipoxygenase pathway utilizing certain 2,2'-alkyldiyl bis(thio)bis-imidazoles and derivatives. 4,847,270, 7-11-89, Cl. 514-333.000.
Bender, Rainer: *See—*
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Bender, Reinhold H. W.: *See—*
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Musser, John H.; Kreft, Anthony F., III; and Bender, Reinhold H. W., 4,876,346, Cl. 546-172.000.
Bender, Richard S.; and Pleet, Lawrence. Countertop water cooler. 4,866,945, 9-19-89, Cl. 62-3.610.
Bender, Robert: *See—*
Duck, Peter; Bender, Robert; Crosby, William; and Robertson, John G., 4,876,187, Cl. 435-6.000.
Bender, Rudolf; and Quittkat, Jorg, to Nukem GmbH. Method for measuring the wall thickness of a workpiece by ultra-sound. 4,838,086, 6-13-89, Cl. 73-597.000.
Bender, Stanley I.; Butler, Lawrence; and Dawes, Peter W., to General Electric Company. Vibration isolating engine mount. 4,875,655, 10-24-89, Cl. 248-557.000.
Bender, Thomas C.: *See—*
Baldwin, Ewart M.; Rao, U. Veereswara; and Bender, Thomas C., 4,870,538, Cl. 361-321.000.
Bender, Ulrich, to Emil Bender, Firma. Lattice. 4,803,128, 2-7-89, Cl. 428-577.000.
Bender, Walter W.; and Gaustad, Charles A. Indexing reloader of cartridges. 4,841,831, 6-27-89, Cl. 86-27.000.
Bender, Wolfgang; Henning, Rolf; Knorr, Andreas; and Stasch, Johannes-Peter, to Bayer Aktiengesellschaft. Renin inhibitors and aminoacid and aminoaldehyde derivatives. 4,818,748, 4-4-89, Cl. 514-16.000.
Bendfeld, Dwayne. Portable dike system. 4,802,322, 2-7-89, Cl. 52-601.000.
Bendickson, Roy B.; and Seaton, Robert A., to Fiskars Oy Ab. Fillet knife having a flexible handle. 4,825,552, 5-2-89, Cl. 30-342.000.
Bendickson, Roy B.; Wahoski, Edward S.; and Norris, Michael A., to Snap-on Tools Corporation. Fiber optic toe/track measurement system. 4,863,267, 9-5-89, Cl. 356-155.000.
Bendig, Anna L.; and McLaren, Douglas, to Boeing Company, The. Thermal insulation structure. 4,849,276, 7-18-89, Cl. 428-117.000.
Bendig, Donna A.: *See—*
Bendig, Thomas J.; and Bendig, Donna A., 4,796,416, Cl. 56-16.900.
Bendig, Lothar; and Hofmann, Frieder, to Lechler GmbH & Co. KG. Ultrasonic atomizer for liquids. 4,796,807, 1-10-89, Cl. 239-102.200.
Bendig, Robert, Jr. Support stand. 4,875,649, 10-24-89, Cl. 248-153.000.
Bendig, Thomas J.; and Bendig, Donna A. Portable shredder/lawn mower for garden use and the like. 4,796,416, 1-10-89, Cl. 56-16.900.
Bendiks, Donald J. Buoyant gas activated hydroelectric generator. 4,845,376, 7-4-89, Cl. 290-54.000.

Bendiksen, Reidar. Sweepline roller-stopper. 4,813,170, 3-21-89, Cl. 43-9.000.
Bending, Simon J.; and Bockenhoff, Elmar, to Wissenschaften e.V. Semiconductor device in particular a hot electron transistor. 4,878,095, 10-31-89, Cl. 357-16.000.
Bendix, Dieter; Reichert, Dieter; and Scharfe, Michael, to Boehringer Ingelheim KG. Process for purifying resorbable polyesters. 4,810,775, 3-7-89, Cl. 528-480.000.
Bendix Electronics Limited: *See—*
  Brackett, Stephen E., 4,838,760, Cl. 416-93.00R.
  Charles, Herbert N., 4,846,258, Cl. 165-41.000.
  Cook, John E., 4,827,884, Cl. 123-336.000.
  Cook, John E., 4,840,350, Cl. 251-129.110.
  Ireland, John A., 4,873,401, Cl. 200-61.45M.
  Norman, Peter J., 4,826,517, Cl. 55-418.000.
Bendix Electronics S.A.: *See—*
  Boucard, Michel; Thirion, Christian; and Maurel, Christian, 4,879,630, Cl. 361-386.000.
  Echasseriau, Gilbert; and Oliveau, Patrice, 4,829,245, Cl. 324-174.000.
  Mate, Jean-Luc, 4,884,206, Cl. 364-431.080.
  Nguyen, Van T.; Chateignon, Claude; and Deschamps, Georges, 4,797,582, Cl. 307-475.000.
  Ory, Philippe, 4,825,383, Cl. 364-509.000.
Bendix Espana S.A.: *See—*
  Bacardit, Juan S., 4,832,162, Cl. 188-299.000.
Bendix France: *See—*
  Bequet, Franck; Maligne, Jean-Charles; and Levrai, Roland, 4,828,330, Cl. 303-22.100.
  Charbonnier, Jacques, 4,809,826, Cl. 188-79.520.
  De La Broise, Marc; Tanguy, Christian; and Kervagoret Gilbert, 4,886,321, Cl. 303-92.000.
  Douillet, Christian; and Vasselet Joel, 4,858,438, Cl. 60-566.000.
  Fargier, Eric; and Mery, Jean-Claude, 4,798,268, Cl. 188-71.500.
  Fargier, Eric, 4,809,823, Cl. 188-72.700.
  Fargier, Eric; and Pressaco, Pierre, 4,809,824, Cl. 188-72.800.
  Fargier, Eric; and Mery, Jean-Claude, 4,832,160, Cl. 188-1.110.
  Fargier, Eric; and Mery, Jean-Claude, 4,848,526, Cl. 188-71.500.
  Fargier, Eric; and Mery, Jean-Claude, 4,869,350, Cl. 188-1.110.
  Francois, Marc, 4,804,014, Cl. 137-501.000.
  Francois, Marc, 4,850,390, Cl. 137-501.000.
  Garnault, Joel, 4,837,508, Cl. 324-166.000.
  Gautier, Jean-Pierre, 4,817,500, Cl. 91-376.00R.
  Kervagoret, Gilbert, 4,809,508, Cl. 60-566.000.
  Kervagoret, Gilbert, 4,819,695, Cl. 137-625.650.
  Kervagoret, Gilbert, 4,825,751, Cl. 91-420.000.
  Kervagoret, Gilbert, 4,844,118, Cl. 137-625.210.
  Kervagoret, Gilbert, 4,852,952, Cl. 303-110.000.
  Knuchel, Pierre; and Nollez, Jacques, 4,877,055, Cl. 137-568.000.
  Levrai, Roland; Picot, Pascal; and Riquart, Christian, 4,798,127, Cl. 91-530.000.
  Levrai, Roland, 4,824,180, Cl. 303-22.500.
  Michoux, Eric; and Denree, Michel, 4,804,072, Cl. 188-79.520.
  Tourneur, Roger; and Vasselet, Joel, 4,858,737, Cl. 188-358.000.
Bendix Italia S.p.A.: *See—*
  Cadeddu, Leonardo, 4,815,293, Cl. 60-547.100.
Bendix Limited: *See—*
  Neal, Brian P., 4,816,047, Cl. 55-316.000.
Bendixen, Arne B.; Bowen, William A.; Evans, Michael W., Hurley, John J.; and Leslie, Samuel A., to Orion Industries, Inc. Cellular remote station with multiple coupled units. 4,890,315, 12-26-89, Cl. 379-59.000.
Bendoraitas, John A.; and Clark, Jeffrey A., to Torrington Company, The. Camshaft manufacture. 4,809,562, 3-7-89, Cl. 74-567.000.
Bendoraitas, John A.; and Clark, Jeffrey A., to Torrington Company, The. Camshaft manufacture. 4,847,963, 7-18-89, Cl. 29-156.40R.
Benecke, Thomas: *See—*
  Boedecker, Manfred; Benecke, Thomas; Krucke, Werner; and Baumeister, Willi, 4,883,913, Cl. 564-2.000.
Benedetti, Charles; Gluntz, Claude; Pascal, Robert; and Stefanini, Michel, to Atochem. Extraction of organic compounds from aqueous solutions. 4,855,053, 8-8-89, Cl. 210-634.000.
Benedetti, Enzo: *See—*
  Moggi, Giovanni; Cirillo, Gianna; Aglietto, Mauro, and Benedetti, Enzo, 4,840,994, Cl. 525-72.000.
Benedetti, Giampietro; and Fasano, Fulvio, to Danieli & C. Officine Meccaniche SpA. Plant to convert a metallic charge into semifinished products, and connected smelting and casting method. 4,797,154, 1-10-89, Cl. 75-46.000.
Benedetti, Mirella: *See—*
  Daniele, Vincenzo; and Benedetti, Mirella, 4,839,768, Cl. 361-56.000.
  Daniele, Vincenzo; and Benedetti, Mirella, 4,868,422, Cl. 307-451.000.
Benedetti, Paolo; Mazzetto, Maurizio; and Cazzarolli, Gianmaurizio, to Tetra Dev-Co. Method and arrangement for the sterilization of a filter. 4,851,194, 7-25-89, Cl. 422-28.000.
Benedi, Gregorio: *See—*
  Haldric, Bernard; Benedi, Gregorio; and Baudon nee Chardon, Sylvie, 4,854,141, Cl. 70-182.000.
Benedict, Becky A.; Lester, James M.; and Linenberger, Delvern D., to Ball Corporation. Cryogenic cooling system. 4,825,667, 5-2-89, Cl. 62-51.200.
Benedict, James J.; Degenhardt, Charles R.; and Poser, James W., to Procter & Gamble Company, The. Diphosphonate-derivatized macromolecules. 4,830,847, 5-16-89, Cl. 424-1.100.
Benedict, James J.; Bush, Rodney D.; and Sunberg, Richard J., to Procter & Gamble Company, The. Oral compositions and methods for reducing dental calculus. 4,846,650, 7-11-89, Cl. 424-55.000.
Benedict, Robert B., to General Motors Corporation. Double belt tensioner. 4,798,564, 1-17-89, Cl. 474-134.000.
Benedict, Roger J.; and Forlow, John K., to Roper Whitney Company. Press with movable workpiece support carrier. 4,879,894, 11-14-89, Cl. 72-405.000.
Benedikt, Gerald; and Steinijans, Volker, to BYK Gulden Lomberg Chemische Fabrik. Sustained-release theophylline formulation. 4,803,080, 2-7-89, Cl. 424-488.000.
Benedikt, Walter; Heess, Gerhard; Herden, Werner; Friese, Karl-Hermann; Reum, Helmut, Schmatz, Jurgen; and Schwab, Siegbert, to Robert Bosch GmbH. Surface-gap spark plug for internal combustion engines. 4,798,991, 1-17-89, Cl. 313-137.000.
Benedikt, Walter; Herden, Werner; Schmatz, Jurgen; and Schwab, Siegbert, to Robert Bosch GmbH. Spark plug with creepage spark gap. 4,870,319, 9-26-89, Cl. 313-137.000.
Benefice-Malouet, Sylvie; Blancou, Hubert; Calas, Patrick; and Commeyras, Auguste, to Atochem. Functionalization of iodopolyfluoroalkanes by electrochemical reduction. 4,830,715, 5-16-89, Cl. 204-59.00R.
Beneficial Management Corporation of America: *See—*
  Longfield, Ross N., 4,890,228, Cl. 364-408.000.
Benefield, Roy W.: *See—*
  Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C.; and Wafer, Don B., 4,848,777, Cl. 273-188.00A.
Beneitone, Raymond D., to Magma Copper Co. Rotary take-off system and method of operating same. 4,807,689, 2-28-89, Cl. 164-76.100.
Beneke, Herbert; and Peter, Siegfried, to Rutgerswerke AG. Process for producing pitch raw materials. 4,806,228, 2-21-89, Cl. 208-45.000.
Beneke, Herbert; Alscher, Arnold; Oberkobusch, Rudolf; Peter, Siegfried; and Jaumann, Wolfgang, to Rutgerswerke AG. Novel method for extraction of salts from coal tar and pitches. 4,871,443, 10-3-89, Cl. 208-39.000.
Beneke, Herbert; and Peter, Siegfried, to Rutgerswerke AG. Improved production of carbon fibers. 4,882,139, 11-21-89, Cl. 423-447.400.
Beneke, Herbert: *See—*
  Peter, Siegfried; Seekamp, Marc; Beneke, Herbert; and Stadelhofer, Jurgen, 4,827,050, Cl. 568-761.000.
Beneke, Ulrich: *See—*
  Gross, Jurgen; and Beneke, Ulrich, 4,847,948, Cl. 16-251.000.
Benelli Armi S.p.A.: *See—*
  Benelli, Paolo, 4,856,217, Cl. 42-17.000.
Benelli, Paolo, to Benelli Armi S.p.A. Cartridge feeding assembly for smooth-bore guns with semiautomatic or pump operation. 4,856,217, 8-15-89, Cl. 42-17.000.
Benerito, Ruth R.: *See—*
  Yatsu, Lawrence Y.; Calamari, Timothy A., Jr.; and Benerito, Ruth R., 4,871,370, Cl. 8-116.100.
Benes, Ewald; Berlinger, Paul; and Thorn, Gernot, to Leybold Aktiengesellschaft. System for determining the thickness of varying material coatings. 4,817,430, 4-4-89, Cl. 73-579.000.
Benes, Ewald; Viehbock, Franz; Stori, Herbert, Thomas, Friedrich Werner; and Thorn, Gernot, to Leybold-Heraeus GmbH. Apparatus for detecting the position of incidence of a beam of charge carriers on a target. 4,843,246, 6-27-89, Cl. 250-491.100.
Benesch, Jay F., to General Electric Company. Superconductive switch. 4,803,456, 2-7-89, Cl. 338-32.00S.
Benesch, Katharina: *See—*
  Dong, Dennis F.; Noonan, Edward B.; Rogers, Derek J.; Clifford Arthur L.; Benesch, Katharina; and Loftfield, Richard E. 4,872,957, Cl. 204-84.000.
Benesh, Alvin H. Wind turbine system using twin savonius-type rotors. 4,830,570, 5-16-89, Cl. 415-4.400.
Benesh, Alvin H. Wind turbine system using a savonius-type rotor. 4,838,757, 6-13-89, Cl. 415-4.400.
Benessis, Philippe L.; and Jannitte, Patrick H., to Societe Sofratecmed S.A. Hospital bed or hospital table. 4,860,394, 8-29-89, Cl. 5-62.000.
Beneteau, Christian; and Guerard, Norbert, to Champion Spark Plug Europe S.A. Device for connecting a wiping element to the superstructure of a wiper blade. 4,796,326, 1-10-89, Cl. 15-250.420.
Beneteau, Christian, to Champion Spark Plug Europe S.A. Connecting device for a wiper system. 4,805,254, 2-21-89, Cl. 15-250.320.
Benetti, Ermanno: *See—*
  Credali, Lino; Mulas, Carlo; Benetti, Ermanno; and Lunardon, Gianflavio, 4,880,847, Cl. 521-157.000.
Benezra, Jeffrey; and Malin, Michael J., to Technicon Instruments Corporation. Cyanide-free hemoglobin reagent. 4,853,338, 8-1-89, Cl. 436-66.000.
Benfaremo, Nicholas: *See—*
  Liu, Christopher S.; Benfaremo, Nicholas; Kapuscinski, Maria M. and Grina, Larry D., 4,812,261, Cl. 252-51.50A.
Benfer, Ernst-Oskar; and Irle, Rolf G., to SMS Schloemann-Siemag Aktiengesellschaft. Sealing arrangement for roll bearings in skin pass mill stands. 4,866,827, 9-19-89, Cl. 29-148.40S.
Benfield, Dan W., to Platt Saco Lowell Corporation. Drawbox air shut-off and method for doffing a textile comber. 4,799,295, 1-24-89, Cl. 19-159.00R.
Benford, Edward J. Gasket seal. 4,834,395, 5-30-89, Cl. 277-95.000.
Benford, Howard L.: *See—*
  Leising, Maurice B.; Benford, Howard L., and Holbrook, Gerald L., 4,875,391, Cl. 74-866.000.

Benge, S. Eugene, to Monarch Marking Systems, Inc. Method of making deactivatable tags. 4,802,944, 2-7-89, Cl. 156-247.000.
Benge, S. Eugene, to Monarch Marking Systems, Inc. Method of making electronic tags. 4,818,312, 4-4-89, Cl. 156-52.000.
Benge, S. Eugene; and Froning, Robert L., to Monarch Marking Systems, Inc. Tag web of spiral conductors. 4,843,404, 6-27-89, Cl. 343-895.000.
Benge, S. Eugene; and Froning, Robert L., to Monarch Marking Systems, Inc. Method of making deactivatable tags. 4,846,922, 7-11-89, Cl. 156-324.000.
Benge, Terence A.; and Prince, Cyril M., to Metal Box plc. Multi-layer plastics structures and apparatus and methods for their manufacture. 4,808,482, 2-28-89, Cl. 428-411.100.
Bengmark, Stig. Method and tube equipment for supplying fluid to a space and draining said space. 4,887,996, 12-19-89, Cl. 604-54.000.
Bengsch, Peter. Clothes hanger. 4,863,078, 9-5-89, Cl. 223-85.000.
Bengtson, Alan D.: *See—*
  Scanlon, John F.; Warner, Shawn A.; and Bengtson, Alan D., 4,832,118, Cl. 165-164.000.
Bengtson, Jon: *See—*
  [illegible], Robert P.; and Bengtson, Jon, 4,837,728, Cl. 364-412.000.
Bengtsson, Bengt G.; Larsson, Ove; and Lenschow, Per, to Komatsu, Ltd. Device for torsion-proof connection of an element in a robot arm or the like. 4,815,911, 3-28-89, Cl. 414-7.000.
Bengtsson, Erik; and Andersson, Ulf, to Eka Nobel AB. Process for the production of hydrogen peroxide. 4,800,073, 1-24-89, Cl. 423-588.000.
Bengtsson, Erik; and Andersson, Ulf, to Eka Nobel AB. Process for the production of hydrogen peroxide. 4,800,074, 1-24-89, Cl. 423-588.000.
Bengtsson, Lars. Hand stamp. 4,858,526, 8-22-89, Cl. 101-111.000.
Bengtsson, Lars-Erik, to Stifab AB. System for controlling automatically the setting of a damper in a ventilation duct. 4,881,572, 11-21-89, Cl. 137-488.000.
Benhamida, Boubekeur, to Honeywell Inc. Controlled oscillator. 4,816,777, 3-28-89, Cl. 331-57.000.
Benhamou, Andre, to Thomson-CSF. Rapid fire-detection device for armored vehicles. 4,861,998, 8-29-89, Cl. 250-339.000.
Benhamou, Franck E.; Lukow, Kenneth R.; and Verbrugge, Calvin J., to S. C. Johnson & Son, Inc. Continuous process and system for producing polymers comprising maleic anhydride and certain alpha-olefins. 4,849,489, 7-18-89, Cl. 526-208.000.
Benhart, Michael D., to Deere & Company. Row straddling dual wheels for a harvester. 4,822,108, 4-18-89, Cl. 301-36.00R.
Beni, Gerardo; Mar, Alan; and Landry, C. John, to University of California, The Regents of the. Method and apparatus for object positioning. 4,871,252, 10-3-89, Cl. 356-347.000.
Beni, Gerardo: *See—*
  Wang Jing; and Beni, Gerardo, 4,847,786, Cl. 364-518.000.
Benier, Johan, to Mobepa B.V. Apparatus for extending rolls of dough. 4,824,356, 4-25-89, Cl. 425-373.000.
Benigni, Samuel P., to RCA Licensing Corporation. CRT with arc suppressing means on insulating support rods. 4,818,912, 4-4-89, Cl. 313-457.000.
Benigni, Samuel P.; and Collins, Richard W., to RCA Licensing Corp. System and method for monitoring spot-knocking of CRTs. 4,820,223, 4-11-89, Cl. 445-6.000.
Benignus, Douglas M.; and Browning, Luke M., to International Business Machines Corporation. Diagnostic configuration management for a data processing system. 4,888,771, 12-19-89, Cl. 371-16.100.
Benii, Toshihiko; and Yoshimoto, Kyosuke, to Mitsubishi Denki Kabushiki Kaisha. Servo circuit positioning actuator. 4,812,726, 3-14-89, Cl. 318-640.000.
Benilan, Jacques. Orientable platform, in particular for training in golf. 4,875,684, 10-24-89, Cl. 273-195.00B.
Benim, Thomas E., to Du Pont de Nemours, E. I., and Company. Method for unwinding elastic tape. 4,840,695, 6-20-89, Cl. 156-344.000.
Benin, Joshua; Di Maio, William G.; and Morin, Carl F., to Du Pont de Nemours, E. I., and Company. Automatic vortex mixer. 4,848,917, 7-18-89, Cl. 366-208.000.
Beningo, Joseph A., to O-I Brockway Glass, Inc. System and method for applying lubricant to charges of molten glass. 4,880,454, 11-14-89, Cl. 65-24.000.
Benington, Frederick: *See—*
  Khaled, M. Abu; Benington, Frederick; and Morin, Richard D., 4,820,706, Cl. 514-249.000.
Benison, Harvey W.: *See—*
  Dyment, James A.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,794,764, Cl. 62-250.000.
  Dyment, James A.; Callon, Floyd R.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,848,856, Cl. 312-135.000.
Benitez, Richard. Closure device. 4,799,528, 1-24-89, Cl. 160-199.000.
Benjak, Leo; and Myler, Ronald J. Bridle bit. 4,884,390, 12-5-89, Cl. 54-7.000.
Benjamin, Charles M. Underwater voice communicator. 4,852,682, 8-1-89, Cl. 181-21.000.
Benjamin, Earl J.; Ke, Charles H.; Hynson, Richard B.; and Hsu, Chi Ming L., to General Foods Corporation. Frozen dough having improved frozen storage shelf life. 4,847,104, 7-11-89, Cl. 426-549.000.
Benjamin, Earl J.: *See—*
  Cochran, Stuart A.; Benjamin, Earl J.; Crocker, Mary E.; Seidel, William C.; and Cipriano, Vicki L., 4,885,180, Cl. 426-241.000.
Benjamin, Eric J.; and Visor, Gary C., to Syntex (U.S.A.) Inc. Cardiotonic phosphodiesterase inhibitors complexed with water soluble vitamins. 4,837,239, 6-6-89, Cl. 514-267.000.
Benjamin F. Du Pont: *See—*
  du Pont, Benjamin F.; and Sukeforth, Carl J., 4,877,407, Cl. 434-302.000.
Benjamin, Grant S., to Baxter Travenol Laboratories, Inc. Apparatus and methods for measuring pulsatile blood process stream pressure. 4,857,043, 8-15-89, Cl. 604-6.000.
Benjamin, Harry. Tilt switch. 4,795,868, 1-3-89, Cl. 200-220.000.
Benjamin, John D.; Mears, Adrian L.; and White, John C., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Majesty's Government of the. Flat-panel display and a process for its manufacture. 4,808,983, 2-28-89, Cl. 340-719.000.
Benjamin, Kenneth M. Therapeutic device. 4,846,197, 7-11-89, Cl. 128-844.000.
Benjamin, Larry R. Splash deflector for cooking containers. 4,832,225, 5-23-89, Cl. 220-254.000.
Benjamin, Lennette, to Synthelabo. Pharmaceutical compositions containing lysine acetylsalicylate. 4,885,288, 12-5-89, Cl. 514-162.000.
Benjamin, Michael H.: *See—*
  Maness, William L.; Golden, Robert F.; Benjamin, Michael H.; and Podoloff, Robert M., 4,856,993, Cl. 433-68.000.
Benjamin, Roland J., to Hughes Aircraft Company. Cam-controlled turning machine. 4,852,436, 8-1-89, Cl. 82-19.000.
Benjamin, Roland J., to Hughes Aircraft Company. Rotating cylindrical beam splitter. 4,889,418, 12-26-89, Cl. 350-486.000.
Benjamin, Terrell A.: *See—*
  Gulla, Michael; Benjamin, Terrell A.; and Farsi, Mark, 4,869,970, Cl. 428-621.000.
Benjamini, Elizer: *See—*
  Grimes, Stephen; Benjamini, Elizer; and Gevas, Philip, 4,795,634, Cl. 424-85.900.
Benjestorf, Clarence. Weighted casting bubble. 4,817,326, 4-4-89, Cl. 43-43.100.
Benkara, Ferial; and Campbell, Daniel, to Enertec. Programmable dynamic shift register with variable shift control. 4,796,225, 1-3-89, Cl. 365-75.000.
Benkara, Ferial; and Campbell, Daniel, to Enertec. Digital resonant filter. 4,797,846, 1-10-89, Cl. 364-724.170.
Benke, Alan H., to Stauffer Chemical Company. Soda ash manufacture. 4,814,151, 3-21-89, Cl. 423-206.00T.
Benke Instrument & Elektro Ag: *See—*
  Seidel, Rudolf, 4,797,254, Cl. 422-49.000.
Benker, Klaus: *See—*
  Wassmuth, Georg; Ruppmich, Karl; Seiler, Erhard; Gausepohl, Hermann; and Benker, Klaus, 4,880,875, Cl. 525-67.000.
Benkmann, Christian, to Linde Aktiengesellschaft. Six adsorber pressure swing adsorption process. 4,834,780, 5-30-89, Cl. 55-26.000.
Benko, Pal: *See—*
  Batori, Sandor; Hajos, Gyorgy; Messmer, Andras; Benko, Pal; Pallos, Laszlo; Petocz, Lujza; Grasser, Katalin; Kosoczky, Ibolya; and Szirt nee Kiszelly, Eniko, 4,871,846, Cl. 544-183.000.
  Ratz nee Simonek, Ildiko; Benko, Pal; Bernenyi nee Poldermann, Edit; and Magyar, Karoly, 4,824,670, Cl. 424-141.000.
  Ratz nee Simonek, Ildiko; Benko, Pal; Berenyi nee Foldermann, Edit; and Magyar, Karoly, 4,883,907, Cl. 560-24.000.
Benkusky, Richard T.: *See—*
  Roselle, Paul J.; and Benkusky, Richard T., 4,820,196, Cl. 439-519.000.
Benmiloud, Abdelkader: *See—*
  Guignard, Claude; Giglio, Tony; and Benmiloud, Abdelkader, 4,821,708, Cl. 128-82.100.
Benn, Gerald; Farrar, David; and Flesher, Peter, to Allied Colloids Limited. Process for producing sulphonic acid. 4,876,047, 10-24-89, Cl. 562-41.000.
Benn, Gerald: *See—*
  Farrar, David; Flesher, Peter; and Benn, Gerald, 4,820,872, Cl. 564-128.000.
Benn, Malcolm; Grint, Alan; Proud, Graeme P.; and Rand, Brian, to British Petroleum Company p.l.c., The. Method of forming binderless carbon materials. 4,883,617, 11-28-89, Cl. 264-29.700.
Benn, Raymond C.; Mirchandani, Prakash K.; and Mattson, Walter E., to Inco Alloys International, Inc. Hot working aluminum-base alloys. 4,832,734, 5-23-89, Cl. 75-249.000.
Benn, Raymond C.; Mirchandani, Prakash K.; and Mattson, Walter E., to Inco Alloys International, Inc. High modulus Al alloys. 4,834,810, 5-30-89, Cl. 148-437.000.
Benner, Harold T., Jr.; and Dieterlen, Paul E., to R. A. Jones & Co. Inc. Apparatus for adjusting knives for a pouch form, fill, seal machine. 4,872,382, 10-10-89, Cl. 83-152.000.
Benner, Robert L. Grinding wheel. 4,882,878, 11-28-89, Cl. 51-206.00R.
Bennert, Jurgen: *See—*
  Schemenau, Wolfgang; Bennert, Jurgen; and Ceelen, Dietrich, 4,845,942, Cl. 60-39.120.
Bennes Marrel: *See—*
  Corompt, Antoine, 4,826,386, Cl. 414-421.000.
  Corompt, Antoine, 4,848,619, Cl. 220-1.500.
  Rousset, Andre; and Tardy, Maurice, 4,842,619, Cl. 137-614.200.
  Tardy, Maurice, 4,854,221, Cl. 91-420.000.
Bennes Marrel, Zone Industrielle Sud: *See—*
  Tardy, Maurice; and Marcon, Louis, 4,879,944, Cl. 91-516.000.
Bennet, Andrew H., deceased (by Davies, David H., executor), to Diamant Boart Cralius Ltd. Wire line core barrel. 4,878,549, 11-7-89, Cl. 175-248.000.
Bennet, Kevin E.: *See—*
  Lau, John W.; and Bennet, Kevin E., 4,828,961, Cl. 430-198.000.

Bennett, Alan D., to Westinghouse Electric Corp. High reliability fuel oil nozzle for a gas turbine. 4,863,105, 9-5-89, Cl. 239-397.500.

Bennett, Allan: *See—*
  Simpson-Davis, Raymon W.; and Bennett, Allan, 4,800,260, Cl. 235-487.000.

Bennett Automotive Technology Pty., Ltd.: *See—*
  Bennett, John R. McC., 4,879,975, Cl. 123-52.00M.
  Vowles, Robert W., 4,852,529, Cl. 123-143.00B.

Bennett, Brian S.; and Smith, David. Alarm system. 4,857,679, 8-15-89, Cl. 200-61.620.

Bennett, Brian S.; and Smith, David, to Clifford & Snell Limited. Float-free arrangement for marine radio distress beacons. 4,873,933, 10-17-89, Cl. 441-36.000.

Bennett, Calvin A.: *See—*
  Muse, Joel; Grimm, Donald C.; Dillon, Jerry J.; Cottman, Kirkwood S.; and Bennett, Calvin A., 4,847,313, Cl. 324-291.000.

Bennett, Charles H., to HPM Corporation. Die cast machine with a turret. 4,886,106, 12-12-89, Cl. 164-70.100.

Bennett, Charles M., to MacTaggart Scott (Holdings) Ltd. Apparatus for machining splines on a tubular member. 4,826,369, 5-2-89, Cl. 409-132.000.

Bennett, Christopher J.; Harding, Michael V.; and Moroney, Paul, to General Instrument Corporation. Reproduction of secure keys by using distributed key generation data. 4,864,615, 9-5-89, Cl. 380-21.000.

Bennett, David E. Air gas mixing device with valve position detector. 4,813,390, 3-21-89, Cl. 123-577.000.

Bennett, David J.; and Forbes, Mark C., to Bennett, Ringrose, Wolfsfeld, Jarvis, Gardner, Inc. Non-penetrating veneer anchor. 4,825,614, 5-2-89, Cl. 52-410.000.

Bennett, David J., to Share Corp. Method for repairing air core cable. 4,832,529, 5-23-89, Cl. 405-154.000.

Bennett, Donald B.; Thorsrud, Lee T.; and Petschauer, Thomas W., to Unisys Corporation. Bus error detection employing parity verification. 4,825,438, 4-25-89, Cl. 371-8.000.

Bennett, Donald B.: *See—*
  Larson, Brian R.; Bennett, Donald B.; and Murphy, Steven A., 4,833,468, Cl. 340-825.800.

Bennett, Douglas L.; Ludwig, Keith A.; Patrylak, Andrew J.; and Zabrenski, John, to Air Products and Chemicals, Inc. Suitable distillation column packing for the cryogenic separation of air. 4,813,988, 3-21-89, Cl. 62-18.000.

Bennett, Douglas L.; Ludwig, Keith A.; Witmer, George S.; and Woods, Charles M., to Air Products and Chemicals, Inc. Separating argon/oxygen mixtures using a structured packing. 4,836,836, 6-6-89, Cl. 62-22.000.

Bennett, Douglas L.: *See—*
  Thorogood, Robert M., Bennett, Douglas L.; Allam, Rodney J.; Prentice, Alan L.; and Dawson, Bruce K., 4,871,382, Cl. 62-18.000.

Bennett, Frank C.; and Miller, Clive W., to General Electric Company, p.l.c., The. Beam forming network. 4,864,311, 9-5-89, Cl. 342-368.000.

Bennett, George, to International Shoe Machine Corporation. Toe and ball laster and the like. 4,829,932, 5-16-89, Cl. 118-411.000.

Bennett, George. Central air uptake attachment. 4,850,266, 7-25-89, Cl. 98-39.100.

Bennett, Glenn E.; Daly, John Kevin; Grebe, Robert K.; and Lucius, John E., to AMP Incorporated. Electrical terminals for flat power cable. 4,887,976, 12-19-89, Cl. 439-492.000.

Bennett, Herbert G. Three Dimensional objects and methods of making same. 4,871,080, 10-3-89, Cl. 220-1.00R.

Bennett, James; Heath, Martin R.; and Foulsham, Peter G., to British Aerospace Public Limited Company. Thruster system. 4,826,104, 5-2-89, Cl. 244-3.220.

Bennett, James: *See—*
  Harris, Peter B.; Bennett, James; Lechiaro, Kathy M.; Morello, Peter F.; and McDonald, Robert C., 4,818,645, Cl. 429-209.000.

Bennett, James G., Jr.: *See—*
  Battista, Richard A.; Bennett, James G., Jr.; Kokoszka, John J.; and Tungate, Freddie L., 4,851,591, Cl. 568-804.000.

Bennett, James R., to Thermo Blender Inc. Blender with thermally insulated container. 4,887,909, 12-19-89, Cl. 366-199.000.

Bennett, James R., to Thermo Blender Inc. Combination container cap and blender adapter. 4,889,248, 12-26-89, Cl. 215-100.00R.

Bennett, Jeffrey A.: *See—*
  Holt, Neil L.; Larsson, Peter L.; Mohebban, Manoochehr; Sheehan, Stephen E.; and Bennett, Jeffrey A., 4,868,967, Cl. 29-450.000.

Bennett, John A.; Englar, Robert J.; and Thomas, Andrew S. W., to Lockheed Corporation. Pneumatic aerodynamic control surface. 4,844,385, 7-4-89, Cl. 244-207.000.

Bennett, John E.; Novak, Donald S.; and Mitchell, Thomas A., to ELTECH Systems Corporation. Catalytic polymer electrode for cathodic protection and cathodic protection system comprising same. 4,880,517, 11-14-89, Cl. 204-196.000.

Bennett, John R. McC., to Bennett Automotive Technology Pty., Ltd. Alcohol fuel operation conversion means for internal combustion engines. 4,879,975, 11-14-89, Cl. 123-52.00M.

Bennett, John W., to Hayman-Reese Party, Limited. Accelerometer or decelerometer for vehicle brake control system. 4,849,655, 7-18-89, Cl. 307-309.000.

Bennett, K. D.: *See—*
  Claus, Richard O.; and Bennett, K. D., 4,854,706, Cl. 356-345.000.

Bennett, Laurence M., to Deseret Medical, Inc. Multilumen catheter and associated IV tubing. 4,838,881, 6-13-89, Cl. 604-280.000.

Bennett, Mark A.; and Massey, Douglas H., to Kelley Company, Inc. Vehicle restraint having a snubbing restraining member. 4,815,911, 3-28-89, Cl. 414-401.000.

Bennett, Martin B. Free-standing (self-supporting) lamp shade. 4,809,145, 2-28-89, Cl. 362-358.000.

Bennett, Matthew C., Jr.: *See—*
  Knoll, Glenn F.; Strange, Donald R.; and Bennett, Matthew C., Jr., 4,817,038, Cl. 364-413.240.

Bennett, Michael C., to Becton, Dickinson and Company. Blood collection needle disposal system. 4,844,245, 7-4-89, Cl. 206-366.000.

Bennett, Patrick D.: *See—*
  Willey, Leone V.; Willey, Donald L.; Kopecky, Ivyl D.; Stoltenberg, Ronald; and Bennett, Patrick D., 4,834,411, Cl. 280-250.100.

Bennett, Paul E.: *See—*
  Loiotile, Vito S.; Fisch, Michael H.; and Bennett, Paul E., 4,814,367, Cl. 524-151.000.

Bennett, Paul L., to Paul Bennett Creative Consultancy Pty. Ltd. Mounting arrangements for writing pads. 4,869,452, 9-26-89, Cl. 248-441.100.

Bennett, Peter C.; and Clarke, Rodney J., to Imperial Chemical Industries PLC. Coupling. 4,838,491, 6-13-89, Cl. 239-690.000.

Bennett, Peter G.; McKinlay, Peter R.; Shaw, Neil W.; and Stott, Ronald A., to Amcor Limited. Method of making corrugated paper board. 4,886,563, 12-12-89, Cl. 156-205.000.

Bennett, Phillip P., to Ampex Corporation. Video device synchronization system. 4,885,638, 12-5-89, Cl. 358-148.000.

Bennett, Reginald B. P.; Drake, Allan R.; and Finn, Roger C., to Northern Telecom Limited. Process for application of overlay conductors to surface of printed circuit board assemblies. 4,808,434, 2-28-89, Cl. 427-54.100.

Bennett, Richard J., to Dentsply Research & Development Corp. Dental adhesive system. 4,801,528, 1-31-89, Cl. 433-220.000.

Bennett, Richard J., to Phillips Petroleum Company. Apparatus for treating thermoplastic polymers. 4,842,694, 6-27-89, Cl. 202-219.000.

Bennett, Richmond; Schettler, Paul D.; and Gustafson, Todd D., to Columbia Gas System Service Corporation. Method of locating hydrocarbon producing strata and the instrument therefor. 4,805,65 2-21-89, Cl. 73-155.000.

Bennett, Ringrose, Wolfsfeld, Jarvis, Gardner, Inc.: *See—*
  Bennett, David J.; and Forbes, Mark C., 4,825,614, Cl. 52-410.000.

Bennett, Robert B.: *See—*
  Barnes, Cherie C.; Bennett, Robert B.; and Szczygielski, Thomas J., 4,888,681, Cl. 364-200.000.

Bennett, Robert E., to Deere & Company. Agricultural concave adjustment means. 4,802,496, 2-7-89, Cl. 130-27.00S.

Bennett, Robert E., to Deere & Company. Straw walker extension pan. 4,805,640, 2-21-89, Cl. 130-26.000.

Bennett, Robert E.: *See—*
  Turner, Reed J.; Peters, Loren W.; Wilson, John E.; and Bennett, Robert E., 4,875,891, Cl. 460-110.000.

Bennett, Robert P. Refrigerator and microwave oven and overdemand interrupt circuit. 4,847,722, 7-11-89, Cl. 361-31.000.

Bennett, Robert P.; and Ozaki Kunimitsu. Combined refrigerator and microwave oven with timed overload protection. 4,880,954, 11-14-89, Cl. 219-10.55M.

Bennett, Ronald, to Ultra Creative Corp. Plastic film package with a hanger. 4,834,553, 5-30-89, Cl. 383-23.000.

Bennett, Ruth M.: *See—*
  Damico, Dennis J.; and Bennett, Ruth M., 4,855,001, Cl. 156-307.300.
  Damico, Dennis J.; Mushrush, Kenneth W.; and Bennett, Ruth M., 4,857,131, Cl. 156-331.400.

Bennett, S. John; Barnes, Michael W.; and Kolonko, Kenneth J., to Morton Thiokol, Inc. Propellant binder prepared from a PCP/HTPB block polymer. 4,853,051, 8-1-89, Cl. 149-19.400.

Bennett, Sanford M.: *See—*
  Faulkerson, James L.; Picard, Raymond L.; Menard, Edward J.; Bennett, Sanford M.; McCarthy, Timothy J.; Foden, Edwin S.; Gipe, Michael A.; Moluf, Allan A.; Jacobs, Michael W.; and Boatner Bruce E., 4,882,629, Cl. 358-464.000.

Bennett, Scott A.: *See—*
  Brown, Richard; Bennett, Scott A.; and Lawson, Virgil L., 4,870,377, Cl. 333-238.000.

Bennett, Sidney M.: *See—*
  Brooker, Eric L.; and Bennett, Sidney M., 4,831,346, Cl. 333-260.000.

Bennett, Simon D.: *See—*
  Lindow, James T.; Bennett, Simon D.; and Smith, Ian R., 4,847,82 Cl. 369-110.000.

Bennett, Stanley N.; Perry, James T.; and Greene, Ronald D., to Devoe Dircet Marketing & Advertising, Inc. Direct mail solicitation device and method for assembly thereof. 4,852,794, 8-1-89, Cl. 229-73.000.

Bennett, Stephen H., to United States of America, Army. Reinforced and foot utility mat adaptable as military overhead foxhole cover and suspension bridge. 4,879,154, 11-7-89, Cl. 428-81.000.

Bennett, Steven E. Double barrel shotgun reloader. 4,869,009, 9-26-89, Cl. 42-87.000.

Bennett, Thomas D. Removable window guard assembly. 4,848,030, 7-18-89, Cl. 49-57.000.

Bennett, Tommy J.: *See—*
  Fisher, Wayne G.; Bennett, Tommy J.; Davis, Cecil J.; and Matthews, Robert T., 4,832,779, Cl. 156-345.000.

Bennett, Walter; and Eden, Peter G., to Alcan International Limited. Manufacture of metal extrusions. 4,817,411, 4-4-89, Cl. 72-255.000.

Bennett, Walter, to Utility Trailer Manufacturing Co. Curtain-sided vehicle apparatus. 4,826,236, 5-2-89, Cl. 296-181.000.

Bennett, Walter; and Horton, Terry F., to Utility Trailer Manufacturing Company. Vehicle curtain quick release device. 4,828,316, 5-9-89, Cl. 296-181.000.

Bennett, William C., to Cameron, Harry J. Fold-away hinge and support. 4,848,244, 7-18-89, Cl. 108-38.000.

Bennett, William E., to Kirkos Development, Ltd. Motor driven caging system for free gyros. 4,807,485, 2-28-89, Cl. 74-5.100.

Bennett, William R.; Mix, Tom; and Smith, James F. Motorcycle floorboard device. 4,802,684, 2-7-89, Cl. 280-291.000.

Bennett, William R., Jr., to Yale University. Method and device for compensating for partial hearing loss. 4,868,880, 9-19-89, Cl. 381-68.200.

Bennett X-Ray Corp.: *See—*
  Kleinman, Bennett; Kleinman, Calvin; and Coe, Robert P., 4,819,258, Cl. 378-111.000.

Benning, Friedrich; and Grosse-Kohorst, Berthold, to Deere & Company. Suspension mechanism for a hinged part. 4,805,264, 2-21-89, Cl. 16-267.000.

Benning, Friedrich, to Deere & Company. Closure for a pressurized fluid-filled container. 4,836,406, 6-6-89, Cl. 220-203.000.

Benning, Gunter. Support section for mines and tunnels. 4,881,853, 11-21-89, Cl. 405-288.000.

Benninger AG: *See—*
  Beerli, Markus; and Guntli, Erich, 4,819,310, Cl. 28-185.000.
  Weber, Hans, 4,888,840, Cl. 8-151.000.

Benningfield, George W.: *See—*
  Eaton, Daniel T.; and Benningfield, George W., 4,854,445, Cl. 198-781.000.

Bennion, Ian; Rowe, Christopher J.; and Reid, Douglas C. J., to Plessey Overseas Limited. Optical fibre reflective diffraction grating devices. 4,795,226, 1-3-89, Cl. 350-96.150.

Bennion, Ian; Cush, Rosemary; and Groves-Kirkby, Christopher J., to Plessey Overseas Limited. Optical resonant assembly. 4,834,511, 5-30-89, Cl. 350-354.000.

Bennion, Ian; Trundle, Clive; Brettle, Jack; Goodwin, Martin J.; and Glenn, Robert, to Plessey Company plc, The. Organic optical waveguides and method of fabricating waveguide structures. 4,838,634, 6-13-89, Cl. 350-96.120.

Bennion, Ian; Whatmore, Roger W.; and Stewart, William J., to Plessey Overseas Limited. Spatial light modulator. 4,867,543, 9-19-89, Cl. 350-384.000.

Bennis, Jan: *See—*
  Geenen, Peter V.; and Bennis, Jan, 4,818,224, Cl. 432-248.000.

Bennis, Paul A. Beverage container assembly. 4,867,358, 9-19-89, Cl. 224-148.000.

Bennitt, Robert A., to Dresser-Rand Company. Fluid control valve. 4,852,608, 8-1-89, Cl. 137-516.130.

Bennitt, Robert A.; and Anderson, Alan C., to Dresser-Rand Company. Crosshead per se, and in combination with a connecting rod assembly and a piston rod. 4,872,395, 10-10-89, Cl. 92-139.000.

Bennoit, Horst; Frohlich, Walter; Holtermann, Rolf; and Krumbock, Reinhard, to Hoechst Aktiengesellschaft. Process and apparatus for the removal of solid particles from liquid chlorinated hydrocarbons. 4,851,134, 7-25-89, Cl. 210-788.000.

Benoit, Andre; and Hennuy, Jean, to SEB S.A. Knives for a grid-type shaver, a support for the shaver knives, and a method for sharpening and mounting said knives. 4,815,209, 3-28-89, Cl. 30-43.920.

Benoist, Rodney W., to Litton Systems, Inc. Simplified ring laser gyroscope dither control and method. 4,801,206, 1-31-89, Cl. 356-350.000.

Benoist, Rodney W., to Litton Systems, Inc. Method and system for correcting random walk errors induced by rate reversals in a dithered ring laser gyroscope. 4,844,615, 7-4-89, Cl. 356-350.000.

Benoit, Claude: *See—*
  Eloise-Pillerault, Clement; Benoit, Claude; and Benoit, Vincent, 4,860,365, Cl. 381-90.000.

Benoit, Edward J. Nighttime watersports illuminator. 4,817,212, 4-4-89, Cl. 2-209.200.

Benoit, Georges L. F.: *See—*
  Seeman, Bronislaw; and Benoit, Georges L. F., 4,827,457, Cl. 367-27.000.

Benoit, Gordon L., to Mobil Oil Corporation. Methods and systems for preparing flat-bottom thermoplastic sack. 4,816,104, 3-28-89, Cl. 156-204.000.

Benoit, Gordon L.; Sable, Lewis E.; and Wenzel, Richard A., to Mobil Oil Corporation. Bag holding, dispensing, loading and discharge system. 4,819,898, 4-11-89, Cl. 248-97.000.

Benoit, Gordon L., to Mobil Oil Corporation. Particle-impregnated one-sided cling stretch wrap film. 4,833,017, 5-23-89, Cl. 428-323.000.

Benoit, Gordon L., to Mobil Oil Corp. Process for making single side free plastic bag. 4,883,450, 11-28-89, Cl. 493-196.000.

Benoit, Gordon L.: *See—*
  Prader, Randolph D.; and Benoit, Gordon L., 4,812,055, Cl. 383-119.000.

Benoit, Marcell N.: *See—*
  Hutchisson, James T.; and Benoit, Marcell N., 4,825,069, Cl. 250-229.000.

Benoit, Michel R.; Hansen, Eric R.; and Reese, Theodore J., to Ash Grove Cement Company; and Cadence Chemical Resources, Inc. Method for energy recovery from solid hazardous waste. 4,850,290, 7-25-89, Cl. 110-346.000.

Benoit, Philippe; Chielens, Alain; Pinoncely, Andre; and Osselin, Florence, to Fives-Cail Babcock. Method of regulating a cement manufacturing installation. 4,817,008, 3-28-89, Cl. 364-477.000.

Benoit, Roland A. Child's crib. 4,850,066, 7-25-89, Cl. 5-100.000.

Benoit, Vincent: *See—*
  Eloise-Pillerault, Clement; Benoit, Claude; and Benoit, Vincent, 4,860,365, Cl. 381-90.000.

Benschneider, Bradley J.; and Peng, Victor, to Digital Equipment Corporation. Apparatus and method for expediting subtraction procedures in a carry/save adder multiplication unit. 4,862,405, 8-29-89, Cl. 364-760.000.

Benschop, Jozef P. H., to U.S. Philips Corporation. Scanning differential phase contrast microscope. 4,845,352, 7-4-89, Cl. 250-201.000.

Benschop, Jozef P. H.: *See—*
  Smid, Albert; Akkermans, Antonius H. M.; Benschop, Jozef P. H.; and Rooyackers. Cornelis J. P. M., 4,861,982, Cl. 250-235.000.

Benscoter, Richard D.; Domigan, Charles; Flachbarth, Charles T.; and Sheridan, James E., to Butler Manufacturing Company. Components for flexible wiring systems. 4,857,016, 8-15-89, Cl. 439-680.000.

Benshoof, Mervin C. Automatic toilet flushing apparatus. 4,825,490, 5-2-89, Cl. 4-313.000.

Bensing, Gregory L.; Gladd, Joseph H.; and Yurtin, John A., to General Motors Corporation. Electrical connector with interface seal. 4,874,325, 10-17-89, Cl. 439-272.000.

Bensing, Gregory L.; Nadasky, Thomas M.; and Wright, Raymond C., to General Motors Corporation. Insert molded multiple contact electrical connector. 4,884,980, 12-5-89, Cl. 439-606.000.

Benslow Incorporated: *See—*
  Denslow, Jurnior J.; and Denslow, Ronald S., 4,881,514, Cl. 124-23.00R.

Bensmann, Gunter: *See—*
  Mohs, Rudolf; and Bensmann, Gunter, 4,855,101, Cl. 419-8.000.

Benson, Bengt H.; and Edstrom, Per A., to U.S. Philips Corporation. Method and a system for synchronizing clocks in a bus type local network. 4,815,110, 3-21-89, Cl. 375-107.000.

Benson, Dan T., to Ingersoll-Rand Company. System for separating abrasive material from a fluid used in fluid jet cutting. 4,872,975, 10-10-89, Cl. 210-99.000.

Benson, David J.; and Burroughs, James A., to Honeywell Inc. Closed loop adaptive raster deflection signal generator. 4,874,992, 10-17-89, Cl. 315-387.000.

Benson, David K.; and Barret, Peter F., to Midwest Research Institute. Method and apparatus for nucleating the crystallization of undercooled materials. 4,860,729, [illegible] 89, Cl. 126-400.000.

Benson, Douglas H.: *See—*
  Peterson, David A.; and Benson, Douglas H., 4,859,388, Cl. 264-121.000.

Benson, Ernest J.: *See—*
  Derby, Norwin C.; and Benson, Ernest J., 4,865,218, Cl. 220-402.000.

Benson, Inc.: *See—*
  Kamas, Peter; Hardy, Douglas A.; and Emmett, David M., 4,804,979, Cl. 346-157.000.

Benson, Jonathan M., to Laerdal Manufacturing Corp. Defibrillator circuit for producing a trapezoidal defibrillation pulse. 4,823,796, 4-25-89, Cl. 128-419.00D.

Benson, Lawrence A. Vehicular sun shield. 4,828,319, 5-9-89, Cl. 296-136.000.

Benson, LeDell E.: *See—*
  Milbauer, Thomas H.; and Benson, LeDell E., 4,871,201, Cl. 292-113.000.

Benson, Marshall, to Xerox Corporation. Sheet set advancing apparatus. 4,831,416, 5-16-89, Cl. 355-309.000.

Benson S.A.: *See—*
  Farlotti, Laurent A., 4,856,770, Cl. 271-274.000.
  Perville, Jacques; Lasjaunias, Thierry; Dard, Jean-Claude; and Jaffres, Remy, 4,832,512, Cl. 400-18.000.

Benson, Steven B.; and Ritchie, Wayne R. Receptacle for eyeglasses. 4,867,402, 9-19-89, Cl. 248-206.200.

Benson, Steven R. Double chambered turbine housing and seal. 4,850,797, 7-25-89, Cl. 415-205.000.

Benson, Suzanne B.: *See—*
  Revis, Nathaniel W.; Benson, Suzanne B.; and Osborne, Tanya R., 4,826,602, Cl. 210-611.000.

Benson, Thomas E. Vehicle glove compartment organizer. 4,811,981, 3-14-89, Cl. 296-37.120.

Benson, Timothy A.; and Gagnon, Peter R., to GTE Products Corporation. Multifunctional structural member and reflector lamp employing same. 4,829,210, 5-9-89, Cl. 313-25.000.

Benson, Timothy A.; and Gagnon, Peter R., to GTE Products Corporation. High voltage hard glass halogen capsule. 4,835,443, 5-30-89, Cl. 313-579.000.

Benson, Timothy A.: *See—*
  Gagnon, Peter R.; and Benson, Timothy A., 4,855,634, Cl. 313-113.000.

Benson, William A.: *See—*
  Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., 4,837,549, Cl. 338-279.000.
  Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., 4,847,585, Cl. 338-58.000.

Benson, William H.: *See—*
  Falconer, Thomas H.; and Benson, William H., 4,880,106, Cl. 198-763.000.

Bent, Bruce R.: *See—*
  Tugal, Halil; and Bent, Bruce R., 4,862,697, Cl. 62-55.500.

Bent, Rodney B.; and Casper, Paul W., to Scientific Development Corporation. Locating system and method. 4,812,852, 3-14-89, Cl. 342-457.000.

Bente, Paul F., III; and Myerson, Joel, to Hewlett-Packard Company. Method of preventing shrinkage defects in electrophoretic gel columns. 4,810,456, 3-7-89, Cl. 264-510.000.

Benteler Industries, Inc.: *See—*
Rigsby, Donald R.; Dehlinger, James R.; and Passmore, David A., 4,798,076, Cl. 72-352.000.

Benteler-Werke AG: *See—*
Janus, Jonny; Vaubel, Gert; Klatzer, Stefan; and Beckmann, Gunter, 4,817,696, Cl. 152-540.000.

Benthack-Thomas, Heidi: *See—*
Barzynski, Helmut; Benthack-Thomas, Heidi; Hellwig, Karl-Ruediger; and Taubitz, Christof, 4,889,756, Cl. 428-64.000.
Dust, Matthias; Neumann, Peter; Hauser, Peter; Wagenblast, Gerhard; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus D.; and Kuppelmaier, Harald, 4,830,951, Cl. 430-270.000.
Dust, Matthias; Neumann, Peter; Schefczik, Ernst; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus-Dieter; Kuppelmaier, Harald; and Koester, Eberhard, 4,876,356, Cl. 548-419.000.

Bentham, Jeremy B.; and Pek, Johan J. B., to Shell Oil Company. Vertical distillation column with a de-entrainment device. 4,818,346, 4-4-89, Cl. 202-197.000.

Benthos, Inc.: *See—*
Raymond, Samuel O.; Hulsman, William; and Warner, Caleb, 4,862,732, Cl. 73-45.400.

Bentivenga, Salvatore: *See—*
Blair, William D., Jr.; Bentivenga, Salvatore; and Lamont, Gregory J., 4,862,122, Cl. 333-202.000.

Bentivoglio, Alfredo; and Rodiguez, Ricardo P., to Polysystem Machinery Mfg. Inc. Die-lip heater. 4,830,595, 5-16-89, Cl. 425-143.000.

Bentivoglio, Alfredo; and Rodriguez, Ricardo P., to Polysystem Machinery MFG. Inc. Lip heater for plastic extrusion die. 4,842,504, 6-27-89, Cl. 425-143.000.

Bentivoglio, Alfredo: *See—*
Szecket, Alexander, 4,842,182, Cl. 228-108.000.

Bentivoglio, Giovanni, to Tovel Manufacturing Limited. Hydraulic cylinder. 4,889,038, 12-26-89, Cl. 92-110.000.

Bentle Products AG: *See—*
Ahm, Poul H., 4,829,915, Cl. 111-105.000.

Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Newman, Alec T., to General Foods Limited. Beverage packages. 4,853,234, 8-1-89, Cl. 426-77.000.

Bentley, Andrew C.: *See—*
Newman, Alec T.; Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Gibbs, Andrew R., 4,873,915, Cl. 99-289.00R.

Bentley, Arthur C.: *See—*
Dyer, Richard A.; Knauer, Michael J.; Rabenberg, Berle E.; Bentley, Arthur C.; and Keelor, Richard O., 4,828,257, Cl. 272-129.000.

Bentley, Douglas P.: *See—*
Price, Zane A.; and Bentley, Douglas P., 4,839,945, Cl. 24-49.00R.

Bentley-Harris Manufacturing Company, The: *See—*
Kite, Joseph S., III; and Tresslar, Marie C., 4,836,080, Cl. 87-9.000.
Kite, Joseph S., III, 4,862,922, Cl. 138-119.000.
Moyer, James D.; Neuhauser, John K.; Conaghan, Thomas B., and Kite, J. Sellers, 4,822,060, Cl. 277-166.000.
Tresslar, Marie C.; Kite, Joseph S., III; Piotrowski, Michael J.; and Conaghan, Thomas B., 4,870,887, Cl. 87-9.000.

Bentley, James M.; Brown, James P.; Frijns, Guy; and Sparrow, David J., to Imperial Chemical Industries PLC. Process for preparing polyurea and polyurea/polyurethane polymers from polymeric polyamine. 4,849,460, 7-18-89, Cl. 521-163.000.

Bentley, James M.: *See—*
Bagaglio, Gian C.; Bentley, James M.; and Brown, James P., 4,801,736, Cl. 560-84.000.

Bentley, Jon L.; Sleator, Daniel D. K.; and Tarjan, Robert E., to American Telephone and Telegraph Company. Data compaction. 4,796,003, 1-3-89, Cl. 341-95.000.

Bentley, Leroy, to Stewart Decatur Security Systems, Inc. Cell block security systems. 4,872,284, 10-10-89, Cl. 49-16.000.

Bentley, Peter G.: *See—*
Stoor, Phillip G. J.; Bentley, Peter G.; and Latham, Francis G., 4,867,168, Cl. 128-653.000.

Bentley, Richard D.: *See—*
O'Farrell, Desmond J.; Schofield, Kenneth; Larson, Mark L.; Hanft, Karl-Heinz; Schierbeek, Kenneth L.; and Bentley, Richard D., 4,871,917, Cl. 250-341.000.

Bentley, Richard M.; Ripka, Chester D.; and Keller, Henry F., to Carrier Corporation. Water permeable heat exchanger for condensing furnace. 4,807,588, 2-28-89, Cl. 126-110.00R.

Bentley, Richard M., to Carrier Corporation. Condensing furnace. 4,848,314, 7-18-89, Cl. 126-116.00R.

Bentley, Steven R.; Fickle, David M.; and Nylander-Hill, Pamela R., to International Business Machines Corporation. System for efficiently transferring data between a high speed channel and a low speed I/O device. 4,860,193, 8-22-89, Cl. 364-200.000.

Bentley, Terence J.; and Asato, Goro, to American Cyanamid Company. Anthranilonitrile derivatives as useful agents for promoting growth, improving feed efficiency, and for increasing the lean meat to fat ratio of warm-blooded animals. 4,863,959, 9-5-89, Cl. 514-524.000.

Benton, Allen W.; and Mulfinger, Lorraine, to Vespa Laboratories, Inc. Methods and compositions for the treatment of mammalian infections employing medicaments comprising hymenoptera venom or proteinaceous or polypeptide components thereof. 4,822,608, 4-18-89, Cl. 424-98.000.

Benton, Ben F.; and Gardner, David L., to Battelle Development Corporation. Controlled release liquid dosage formulation. 4,876,094, 10-24-89, Cl. 424-491.000.

Benton, Kenneth C.; Weinert, Raymond J., Jr.; and Ball, Lawrence E., to Standard Oil Company, The. Electrically conductive composites of polyacetylene and high-nitrile resins and method thereof. 4,828,756, 5-9-89, Cl. 252-518.000.

Benton, Kenneth C.; Pierman, David A.; and Fox, Joseph R., to Standard Oil Company, The. Graphite composites and process for the manufacture thereof. 4,857,395. 8-15-89, Cl. 428-306.600.

Benton, Max D.; and Everman, Michael R., to AEC-Able Engineering Company, Inc. Bearing system with redundant race. 4,834,561, 5-30-89, Cl. 384-559.000.

Benton, Robert H.: *See—*
Podell, Allen F.; and Benton, Robert H., 4,800,345, Cl. 333-111.000.

Benton, Robert L.; and Rutkiewicz, Joseph A., to Thomson Saginaw Ball Screw Co., Inc. Method of molding a one piece plastic ball nut. 4,859,394, 8-22-89, Cl. 264-225.000.

Benton, Ronald E. Bending machine. 4,799,373, 1-24-89, Cl. 72-307.000.

Benton, Stephen A., to Massachusetts Institute of Technology. Real image holographic stereograms. 4,834,476, 5-30-89, Cl. 350-3.760.

Benton, Terry L.; and Matthews, John H., to Pneumo Abex Corporation. Piston rod assembly including preloaded piston head and composite rod. 4,872,370, 10-10-89, Cl. 74-579.00E.

Benton, Terry L.: *See—*
Dirkin, William; Peters, Fred; and Benton, Terry L., 4,802,404, Cl. 92-171.000.

Bentsen, Per, to Minigrip, Inc. Link bag and opening fixture. 4,798,041, 1-17-89, Cl. 53-468.000.

Bentsen, Per: *See—*
Ausnit, Steven; and Bentsen, Per, 4,807,300, Cl. 383-65.000.
Ausnit, Steven; and Bentsen, Per, 4,832,505, Cl. 383-5.000.
Nocek, Robert S.; Bentsen, Per; and Zivkovic, Herbert H. 4,805,800, Cl. 221-63.000.

Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, to Collagen Corporation. Method of treating inflammation. 4,806,523, 2-21-89, Cl. 514-2.000.

Bentz, Hanne: *See—*
Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,810,691, Cl. 514-2.000.
Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,843,063, Cl. 514-2.000.

Bentz, Herbert W.: *See—*
McArthur, James; and Bentz, Herbert W., 4,819,282, Cl. 5-62.000.

Bentz, Joseph C., to Cummins Engine Company, Inc. Ceramic tipped pivot rod and method for its manufacture. 4,848,286, 7-18-89, Cl. 123-90.610.

Bentz, Peter O., to Dow Corning, Ltd. Catalyst compositions and compositions catalyzed therewith. 4,859,647, 8-22-89, Cl. 502-165.000.

Benuzzi, Gino, deceased; and by Benuzzi, Lidia, heiress-at-law. Shifting device. 4,796,500, 1-10-89, Cl. 83-277.000.

Benuzzi, Gino, deceased; and by Benuzzi, Piergiorgio, heir-at-law. Sawing machine. 4,819,532, 4-11-89, Cl. 83-100.000.

Benuzzi, Lidia, heiress-at-law: *See—*
Benuzzi, Gino, deceased; and Benuzzi, Lidia, heiress-at-law, 4,796,500, Cl. 83-277.000.

Benuzzi, Piergiorgio, heir-at-law: *See—*
Benuzzi, Gino, deceased; and Benuzzi, Piergiorgio, heir-at-law, 4,819,532, Cl. 83-100.000.

Benvegar, Carl E.: *See—*
Charbonnier, Francis M.; Rockwell, Martin G.; and Benvegar, Carl E., 4,840,177, Cl. 128-419.00D

Benvenga, Mark J.: *See—*
Jerussi, Thomas P.; Capacchione, John F.; and Benvenga, Mark J., 4,859,685, Cl. 514-329.000.

Benvenuti, Erio; and Innocenti, Bruno, to Nuovopignone Industrie Meccaniche e Fonderia S.p.A. Regulation system for double-shaft gas turbines. 4,864,816, 9-12-89, Cl. 60-39.161.

Benvenuto, Nevio, to American Telephone and Telegraph Company, and American Telephone and Telegraph Company, AT&T Bell Laboratories. Voiceband signal classification. 4,815,136, 3-21-89, Cl. 381-43.000.

Benvenuto, Nevio, to American Telephone and Telegraph Company, and American Telephone and Telegraph Company, AT&T Bell Laboratories. Voiceband signal classification. 4,815,137, 3-21-89, Cl. 381-43.000.

Benway, Ernest A.; and Gardner, Thomas J., to Cajon Company. Rigid collet assembly for cylindrical workpieces. 4,868,367, 9-19-89, Cl. 219-161.000.

Benway, Ralph: *See—*
Wilkinson, Ronald; and Benway, Ralph, 4,815,282, Cl. 60-247.000.

Benyon, William: *See—*
Knight, D. Gordon; and Benyon, William, 4,849,373, Cl. 437-129.000.
Knight, Douglas G.; and Benyon, William, 4,859,628, Cl. 437-133.000.

Benyuan, He: *See—*
Diankui, Liu; Benyuan, He; and Yongqiang, Cui, 4,865,519, Cl. 415-210.100.

Benz, August D.: *See—*
Abrams, Jack Z.; Benz, August D.; Awerbuch, Leon; Zaczek, Stanley J.; and Haidinger, John, 4,804,523, Cl. 423-242.000.

Benz, Dieter. Electric toothbrush. 4,796,323, 1-10-89, Cl. 15-23.000.

Benz, Dieter. Electric toothbrush. 4,882,801, 11-28-89, Cl. 15-23.000.

Benz, Gerhard; Mutschler, Gerda; and Schneider, Gunter, to Robert Bosch GmbH. Process for applying a thin, transparent layer onto the surface of optical elements. 4,830,873, 5-16-89, Cl. 427-35.000.

Benz, Gottfried: *See—*
Millauer, Wolfgang; Benz, Gottfried; Pauli, Heinrich; and Hoyss, Franz, 4,885,511, Cl. 318-434.000.

Benz & Hilgers GmbH: *See—*
Augst, Herbert, 4,854,815, Cl. 414-788.400.
Broll, Josef; and Freckmann, Heinz, 4,830,236, Cl. 222-485.000.
Juenkersfeld, Harald; and Fischer, Georg, 4,860,926, Cl. 222-148.000.
Langenhahn, Lutz; Mooshammer, Alfred; and Fischer, Georg, 4,830,068, Cl. 141-266.000.
Moeller, Dieter, 4,854,354, Cl. 141-116.000.
Turtschan, Alfons, 4,804,322, Cl. 425-117.000.

Benz, Ulrich: *See—*
Chen, Yen-rong; Yang, Ming-he; Huang, Liang; Liu, Geng-tao; and Benz, Ulrich, 4,879,390, Cl. 548-453.000.

Benz, Willi; and Eltinger, Walter, to SMS Schloemann-Siemag Aktiengesellschaft. Leveling machine for steel sheet and strip. 4,811,586, 3-14-89, Cl. 72-165.000.

Benzel, Martin: *See—*
Ohlmeyer, Manfred; and Benzel, Martin, 4,810,476, Cl. 423-239.000.

Benzie, Paul. Magnetic automatic reset animal trap. 4,876,821, 10-31-89, Cl. 43-69.000.

Benzoni, Josette: *See—*
Delevallee, Francoise; Deraedt, Roger; and Benzoni, Josette, 4,880,803, Cl. 514-232.800.

Beom-Chae, Jeong, to Samsung Electronics Co., Ltd. Function controller serving as an automatic telephone answering machine in an audio/video component system. 4,805,206, 2-14-89, Cl. 379-77.000.

Beppu, Osamu: *See—*
Moribe, Yoshihiro; Takahashi, Mikio; and Beppu, Osamu, 4,825,313, Cl. 360-77.020.

Bequet, Franck; Maligne, Jean-Charles; and Levrai, Roland, to Bendix France. Brake corrector subject to the load of a vehicle. 4,828,330, 5-9-89, Cl. 303-22.100.

Beraha, Dan. Vasectomy instrument. 4,817,602, 4-4-89, Cl. 128-305.000.

Beran, Anthony V. Endotracheal tube connector. 4,815,459, 3-28-89, Cl. 128-207.140.

Beran, Anthony V. Humidification in respiratory systems. 4,861,523, 8-29-89, Cl. 261-104.000.

Beran, Franz: *See—*
Lassmann, Eberhard; Helmling, Robert; and Beran, Franz, 4,885,146, Cl. 423-235.000.

Beran, Robert L.; and DeLigt, John, to Westvaco Corporation. Papermachine headbox profiling bar with fluid discharge orifices along its length. 4,885,060, 12-5-89, Cl. 162-344.000.

Beranger, Serge; Pascal, J. Claude; Pinhas, Henri; and Jullien, Isabelle, to Recherche Syntex. Piperazine derivatives of theophylline and theobromine. 4,810,706, 3-7-89, Cl. 514-265.000.

Berard, Michel, to Enertec. Method and apparatus for the evaluation of an angle over an extended range. 4,852,026, 7-25-89, Cl. 364-556.000.

Berard, Pierre: *See—*
Dittmar, Andre; Foray, Jacques; Delhomme, Georges; Blain, Yves; and Berard, Pierre, 4,825,863, Cl. 128-203.270.

Berard, Raymond A., to Acushnet Company. Golf ball with fluorescent cover. 4,798,386, 1-17-89, Cl. 273-235.00R.

Berard, Raymond A.: *See—*
Gobush, William; Berard, Raymond A.; Brown, Robert A.; and Jepson, John W., 4,858,923, Cl. 273-62.000.

Berard, Richard G.: *See—*
Baumbach, Randall L.; Berard, Richard G.; and Curtis, Robert G., 4,847,876, Cl. 375-113.000.

Berard, Serge: *See—*
Cournoyer, Andre; Berard, Serge; and Cote, Denis, 4,838,045, Cl. 66-196.000.

Berardi, Eugene J.: *See—*
Liberto, Samuel J.; and Berardi, Eugene J., 4,832,356, Cl. 280-851.000.

Berardi, Joseph G. Flower mounting pin device. 4,852,220, 8-1-89, Cl. 24-6.000.

Berardo, Michel; Darnez, Charles; Martinet, Jean-Marie; and Roche, Gilbert, to Commissariat a l'Energie Atomique. Organomineral semipermeable membrane and its production process. 4,861,480, 8-29-89, Cl. 210-490.000.

Berarducci, Thomas N., to Eastman Kodak Company. Multi-processor using shared buses. 4,803,617, 2-7-89, Cl. 364-200.000.

Berben, Pieter H.; and Geus, John W., to VEG-Gasinstituut N.V.; and Comprimo B.V. Catalyst for the selective oxidation of sulfur containing compounds to elemental sulfur. 4,818,740, 4-4-89, Cl. 502-313.000.

Berberich, Bernd; and Reinhold, Holger, to Tampoflex GmbH. Device for adjusting a set of workpiece mounts in defined working positions. 4,802,565, 2-7-89, Cl. 198-345.000.

Berceaux, Pierre. Occlusion simulator. 4,818,228, 4-4-89, Cl. 433-54.000.

Berch, Stephen W.; and Baines, Leslie M., to Cobe Laboratories, Inc. Pass-through tube for presurized chamber. 4,820,280, 4-11-89, Cl. 604-248.000.

Berchem, Rutger; Proksha, Georg; and Heidemeyer, Herbert, to B & S Metalpraecis Gesellschaft fur Metallformgebung m.b.H. Ball valve with a ceramic valve ball and ceramic seat rings. 4,795,133, 1-3-89, Cl. 251-171.000.

Berchem, Rutger; and Proksha, Georg, to Metallpraecis Berchem; and Schaberg Gesellschaft fur Metallformgebung m.b.H. Connector pipe segment. 4,804,207, 2-14-89, Cl. 285-16.000.

Berchem, Rutger, to Metallpraecis Berchem & Schaberg Gesellschaft fur Metallformgebung m.b.H. Ball valve. 4,815,704, 3-28-89, Cl. 251-315.000.

Berchem, Rutger; and Proksha, Georg, to Metallpraecis Berchem+-Schaberg Gesellschaft fur Metaliformgebung m.b.H. Three-way valve. 4,838,312, 6-13-89, Cl. 137-625.480.

Berchielli, Aldo S., to Yardney Corporation. Method of beading deformable electrodes. 4,811,481, 3-14-89, Cl. 29-825.000.

Berchowitz, David M.: *See—*
Beale, William T.; and Berchowitz, David M., 4,805,408, Cl. 60-520.000.

Berchtold, Merrill E.; and Witzel, John R., to Cincinnati Milacron, Inc. Counterbalance mechanism for vertically movable means. 4,807,518, 2-28-89, Cl. 91-421.000.

Berci, George. Intubating video endoscope. 4,846,153, 7-11-89, Cl. 128-6.000.

Berci, George: *See—*
Kantor, Edward A.; Berci, George; and Storz, Karl, 4,877,016, Cl. 128-6.000.

Bercu, Barry B., to University of South Florida. Method of diagnosing growth hormone disorders employing somatostatin infusion. 4,844,096, 7-4-89, Cl. 128-630.000.

Berdahl, C. Martin: *See—*
Suitor, Jerry W.; Berdahl, C. Martin; and Marner, Wilbur J., 4,885,142, Cl. 423-219.000.

Berdahl, Donald R.; and Matsch, Pamela A., to General Electric Company. Method for making oxydiphthalic anhydride. 4,808,731, 2-28-89, Cl. 549-241.000.

Berdahl, Donald R.; Cella, James A.; and Shank, Gary K., to General Electric Company. High temperature stable polyetherimides from oxydiphthalic dianhydride and a mixture of m- and p-phenylene diamines and diaminodiphenyl ether. 4,855,391, 8-8-89, Cl. 528-188.000.

Berdahl, Donald R., to General Electric Company. Polyetherimides and precursors therefor from oxydiphtalic anhydride diester and a mixture of diamines. 4,874,835, 10-17-89, Cl. 528-179.000.

Berdahl, Robert M.: *See—*
Basham, Michael T.; Berdahl, Robert M.; and Field, Bruce F., 4,825,500, Cl. 15-319.000.

Berdan, Gunter, to Indal Limited. Fold-up corner piece for spacer tube assembly. 4,822,205, 4-18-89, Cl. 403-402.000.

Berdan, Gunter, to Indal Limited. Spacer assembly for multiple glazed unit. 4,850,175, 7-25-89, Cl. 52-790.000.

Berdat, Henry F., to Gerber Scientific Instrument Company, The. Lamp driver scheme. 4,849,777, 7-18-89, Cl. 354-4.000.

Berdat, Henry F.: *See—*
Pavone, Robert J.; Davidson, Bruce L.; and Berdat, Henry F., 4,841,316, Cl. 354-4.000.

Berde, Dennis W.: *See—*
Wedgwood, Janet E.; Berde, Dennis W.; Bocskor, Steven J.; and Cotter, George E., 4,856,079, Cl. 455-50.000.

Berdichevsky, Boris, to Sloan Valve Company. Preset quick change tooling for a recess cutting attachment. 4,875,397, 10-24-89, Cl. 82-60.000.

Berding, Josef; Bertling, Hannes; Lees, Thomas; and Pabst, Carsten, to Robert Bosch GmbH. Piston accumulator. 4,878,519, 11-7-89, Cl. 138-31.000.

Bereck, Attila: *See—*
Heimann, Sigismund; Vescia, Michele; Bereck, Attila; Sulz, Hermann; and Steenken, Ingrid, 4,813,971, Cl. 8-575.000.

Berecz, Imre; and Schultz, Dennis, to Microdot Inc. Method and apparatus for heating removably attachable heading tool dies. 4,846,674, 7-11-89, Cl. 432-18.000.

Berecz, Imre; Schultz, Dennis; and Hinton, Dennis L., to Microdot Inc. Sheathed composite blind rivet. 4,877,362, 10-31-89, Cl. 411-34.000.

Bereiter, Rolf; and von Flue, Peter, to Hilti Aktiengesellschaft. Anchor bolt assembly including a bolt and an expanding sleeve. 4,818,163, 4-4-89, Cl. 411-44.000.

Berejka, Anthony J.: *See—*
Sharik, Clyde L.; and Berejka, Anthony J., 4,860,754, Cl. 128-640.000.

Beremand, Marian N.; and Black, Patricia J., to United States of America, Agriculture. Fusarium sporotrichioides mutant strain capable of producing both dideacetylcalonectrin and deacetylcalonectrin. 4,880,747, 11-14-89, Cl. 435-254.000.

Beremand, Phillips D.; Ohlrogge, John B.; and Kuhn, David N., to United States of America, Agriculture; and Purdue University. Synthetic gene for acyl carrier protein. 4,888,282, 12-19-89, Cl. 435-193.000.

Berenbak, Robertus G.: *See—*
Evers, Johannes T.; and Berenbak, Robertus G., 4,839,438, Cl. 525-440.000.

Berenbaum, Morris C.: *See—*
Bonnett, Raymond; and Berenbaum, Morris C., 4,837,221, Cl. 514-410.000.

Berenbold, Helmut: *See—*
Dessauer, Guido; and Berenbold, Helmut, 4,857,110, Cl. 106-211.000.

Berenbrock, Goetz: *See—*
Auracher, Franz; Berenbrock, Goetz; and Schlemmer, Bernd, 4,829,598, Cl. 455-619.000.

Berends, Jos. Method of making chewing bones for pets. 4,880,642, 11-14-89, Cl. 426-5.000.

Berendse, Cornelia Maria: *See—*
Van Wezel, Antonius L., deceased; De Haan, Hans H.; and Vermeij, Stephan, 4,888,294, Cl. 435-316.000.

Berendt, Carl J.; Nelson, Gerald; and Meyer, Michael, to Lancer Pacific. Orthodontic archwire. 4,818,226, 4-4-89, Cl. 433-20.000.

Berendt, Gerald C.: *See—*
Melanson, Leslie B.; and Berendt, Gerald C., 4,852,214, Cl. 17-1.00F.

Berendt, Hans-Ulrich: *See—*
Abel, Heinz; Guth, Christian; and Berendt, Hans-Ulrich, 4,880,564, Cl. 252-321.000.

Berens, Alan R.; Huvard, Gary S.; and Korsmeyer, Richard W. Process for incorporating an additive into a polymer and product produced thereby. 4,820,752, 4-11-89, Cl. 523-340.000.

Berenyi nee Foldermann, Edit: *See—*
Ratz nee Simonek, Ildiko; Benko, Pal; Berenyi nee Foldermann, Edit; and Magyar, Karoly, 4,883,907, Cl. 560-24.000.

Beresford Packaging, Inc.: *See—*
Snowdon, Michael; and Shapiro, Jay, 4,877,473, Cl. 156-204.000.

Beresnev, Alexei S.; Serykh, Leonid A.; Saveliev, Viktor S.; Volkoedov, Valery S.; and Stupin, Igor V. Device for plasma-arc cutting of biological tissues. 4,855,563, 8-8-89, Cl. 219-121.390.

Beretta, Mario, to R D B Plastotecnica S.p.A. Process to obtain molecular orientations in perforated plates made of extruded plastic material. 4,808,358, 2-28-89, Cl. 264-156.000.

Beretta, Maurizio A.: *See—*
Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., 4,795,838, Cl. 570-184.000.
Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., 4,816,608, Cl. 570-184.000.
Ungarelli, Raffaele; Beretta, Maurizio A.; and Sogli, Loris, 4,886,923, Cl. 570-210.000.

Beretta, Pier G., to Fabbrica D'Armi P. Beretta S.p.A. Monotrigger mechanism for trapshooting guns. 4,811,509, 3-14-89, Cl. 42-42.010.

Beretta, Pier G., to Fabbrica D'Armi P. Beretta S.p.A. Device for rapidly engaging and disengaging the trigger mechanism in the breech of a gun. 4,811,511, 3-14-89, Cl. 42-70.060.

Berezin, Vitaly B.: *See—*
Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.

Berezinski, Mark A.: *See—*
Gilker, Clyde; Dunk, Michael P.; Dolnik, Thomas G.; Daharsh, Ross S.; and Berezinski, Mark A., 4,847,780, Cl. 364-483.000.

Berezniak, Haim: *See—*
Levy, Amir; Glickman, Ilan; Berezniak, Haim; and Rosenberg, Avraham, 4,811,664, Cl. 102-226.000.

Berfield, Robert C.; Meland, Ronald F.; and Seasholtz, Craig A., to Shop-Vac Corporation. Portable electric blower. 4,797,072, 1-10-89, Cl. 417-423.200.

Berfield, Robert C., to Shop-Vac Corporation. Outlet port baffle for exhaust air. 4,799,285, 1-24-89, Cl. 15-327.00R.

Berfield, Robert C.; and Seasholtz, Craig A., to Shop-Vac Corporation. Dolly frame. 4,799,699, 1-24-89, Cl. 280-79.500.

Berfield, Robert C.; Meland, Ronald F.; and Seasholtz, Craig A., to Shop-Vac Corporation. Portable electric blower. 4,836,753, 6-6-89, Cl. 417-236.000.

Berfield, Robert C., to Shop-Vac Corporation. Belt driving pulley having a roughened surface to reduce noise. 4,838,838, 6-13-89, Cl. 474-113.000.

Berfield, Robert C.; and Meland, Ronald F., to Shop-Vac Corporation. Wheel type vacuum cleaner. 4,858,271, 8-22-89, Cl. 15-339.000.

Berfield, Robert C.; Meland, Ronald F.; and Seasholtz, Craig A., to Shop-Vac Corporation. Portable electric blower. 4,880,364, 11-14-89, Cl. 417-423.100.

Berg, Allan L.: *See—*
Foster, Atwood P.; and Berg, Allan L., 4,883,258, Cl. 266-148.000.

Berg, Alvin M.: *See—*
Suwarnasarn, Nat J.; and Berg, Alvin M., 4,833,019, Cl. 428-336.000.

Berg, Anders, to Shampoo Sponge International B.V. Method of packaging articles of a compressible material. 4,881,358, 11-21-89, Cl. 53-399.000.

Berg, Anette; and Hoffmann, Gunter, to Braun Aktiengesellschaft. Switch device for activating and deactivating an electrically operated driving member of an appliance. 4,882,458, 11-21-89, Cl. 200-52.00R.

Berg, Bengt O.: *See—*
Snith, Lars A.; and Berg, Bengt O., 4,856,057, Cl. 379-388.000.

Berg, Brian K. Automotive wedge guide. 4,884,664, 12-5-89, Cl. 188-32.000.

Berg, Charles J.: *See—*
Alemany, Miguel; and Berg, Charles J., 4,834,735, Cl. 604-368.000.

Berg, Christoph: *See—*
Oldendorf, Christian; Melcher, Franz-Josef; and Berg, Christoph, 4,848,477, Cl. 177-25.140.
Oldendorf, Christian; Berg, Christoph; and Melcher, Franz-Josef, 4,890,246, Cl. 364-567.000.

Berg, Clara. Snow shovel. 4,804,219, 2-14-89, Cl. 294-54.500.

Berg, Dennis G., to Winfred M. Berg, Inc. Bearing seal and retainer. 4,869,602, 9-26-89, Cl. 384-147.000.

Berg, Dieter: *See—*
Kramer, Wolfgang; Weissmuller, Joachim; Reiser, Wolf; Berg, Dieter; Brandes, Wilhelm; and Reinecke, Paul, 4,826,857, Cl. 514-326.000.
Kramer, Wolfgang; Weissmuller, Joachim; Berg, Dieter; and Du mann, Stefan, 4,851,405, Cl. 514-212.000.
Weissmuller, Joachim; Berg, Dieter; Dutzmann, Stefan; and Re necke, Paul, 4,800,202, Cl. 514-227.000.
Weissmuller, Joachim; Berg, Dieter; Hanssler, Gerd; and Reinecke Paul, 4,877,786, Cl. 514-236.800.

Berg, Ernst: *See—*
Baesgen, Harald; Schillings, Helmut; and Berg, Ernst, 4,817,40 Cl. 66-195.000.
Behnke, Joachim; Schulze, Helmut; Berg, Ernst; and Pelger, M chael, 4,814,440, Cl. 536-56.000.

Berg, Flemming; Olgaard, Povl L.; and Jorgensen, John L., to State Vejlaboratorium. Method of determining the density of substan 4,820,919, 4-11-89, Cl. 250-269.000.

Berg, Franco; and Bovermann, Claus-Dieter, to Rittal-Werk Rudol Loh GmbH & Co. KG. Housing for electrotechnical equipmen 4,802,589, 2-7-89, Cl. 206-511.000.

Berg, Greg W.: *See—*
Nelson, Darrell R.; and Berg, Greg W., 4,856,771, Cl. 272-18.00

Berg, Hans-Peter; and Bassner, Helmut, to Messerschmitt-Bolkow-Blohm GmbH. Method and system for storing inert gas for electr impulse space drives. 4,829,784, 5-16-89, Cl. 62-467.000.

Berg, Harvey J.: *See—*
Dyrud, James F.; Berg, Harvey J.; and Murray, Alice C., 4,807,61 Cl. 128-206.160.

Berg, Johan: *See—*
Andersson, Ove B.; Berg, Johan; Granestrand, Per O.; and Vane Armand, 4,887,309, Cl. 455-601.000.

Berg, Johannes G.; and Smith-Johannsen, Robert, to Norsk Proco AS Water and fire resistant building material. 4,820,345, 4-11-89, C 106-18.120.

Berg, John E.: *See—*
Us, Natasha; Kim, Bonggi; and Berg, John E., 4,824,803, C 437-192.000.

Berg, Jon A.: *See—*
Langlie, Ronald H.; and Berg, Jon A., 4,883,923, Cl. 174-158.00F

Berg, Joseph F.; Chalupa, Rudolf P.; and Pokala, Prabhakar, to Ente Corporation. Method and apparatus for discrimination betwee different kinds of data transmission. 4,850,008, 7-18-89, Cl. 379-93.00

Berg, Kenneth A., to PQ Corporation. Chillproofing with magnesiu silicate/silica gel agents. 4,797,294, 1-10-89, Cl. 426-330.400.

Berg, Kenneth R.; Sundquist, Roger L.; and Truong, Liem V., to ASEA Composites, Inc. Method for attaching an end-fitting to a drive shaft tube. 4,807,351, 2-28-89, Cl. 29-432.000.

Berg, Kent. Remotely controlled actuator for a resuscitator. 4,832,016 5-23-89, Cl. 128-205.240.

Berg, Kevin. Collapsible bike rack for automotive vehicle. 4,852,77 8-1-89, Cl. 224-42.320.

Berg, Klaus; Idel, Karsten-Josef; and Grigo, Ulrich, to Bayer Aktiengesellschaft. Process for the production of polycarbonate solutions 4,873,314, 10-10-89, Cl. 528-487.000.

Berg, Klaus: *See—*
Dujardin, Ralf; Ebert, Wolfgang; Meyer, Rolf-Volker; Berg, Klau Grigo, Ulrich; and Wehnert, Wolfgang, 4,874,816, C 525-146.000.

Berg, Klaus D.: *See—*
Baasner, Bernd; Berg, Klaus D.; and Grigo, Ulrich, 4,826,634, C 260-513.600.

Berg, Lars O., to Armaton AB. Arrangement in tubular platform stanchions. 4,838,597, 6-13-89, Cl. 296-36.000.

Berg, Lars O., to Armaton AB. Improvement in platform stancion with canvas-cover supporting post. 4,850,632, 7-25-89, Cl. 296-36.000

Berg, Lloyd; and Szabados, Rudolph J. Separation of acetic acid from dioxane by extractive distillation. 4,801,357, 1-31-89, Cl. 203-51.000

Berg, Lloyd; and Szabados, Rudolph J. Separation of acetic acid from dioxane by extractive distillation. 4,801,358, 1-31-89, Cl. 203-51.000

Berg, Lloyd; and Szabados, Rudolph J. Separation of formic acid from dioxane by extractive distillation. 4,806,209, 2-21-89, Cl. 203-51.000

Berg, Lloyd. Reduction of sulfur and nitrogen oxides using petroleum pitches. 4,806,319, 2-21-89, Cl. 423-235.000.

Berg, Lloyd; and Yen, An-I, to Berg, Lloyd. Separation of m-xylene from o-xylene by extractive distillation with DMSO. 4,822,947, 4-18-89, Cl. 585-805.000.

Berg, Lloyd; and Yeh, An-I, to Berg, Lloyd. Separation of isopropyl acetate from isopropanol by extractive distillation. 4,826,576, 5-2-89, Cl. 203-56.000.

Berg, Lloyd, to Berg, Lloyd. Separation of m-diisopropylbenzene from p-diisoproylbenzene by azeotropic distillation with acetophenone 4,836,896, 6-6-89, Cl. 203-46.000.

Berg, Lloyd; and Rall, Richard R., to Berg, Lloyd. Separation of 3-methyl-2-butanone from formic acid by extractive distillation 4,840,707, 6-20-89, Cl. 203-51.000.

Berg, Lloyd, to Berg, Lloyd. Separation of m-diisopropylbenzene from p-diisopropyl benzene by azeotropic distillation with nitrogenous compounds. 4,851,087, 7-25-89, Cl. 203-57.000.

Berg, Lloyd, to Berg, Lloyd. Separation of m-diisopropylbenzene from p-diisopropylbenzene by azeotropic distillation with ethers 4,855,531, 8-8-89, Cl. 585-804.000.

Berg, Lloyd; Szabados, Rudolph J.; and Flower, Thomas H., to Berg, Lloyd. Separation of 2-pentanone from formic acid by extractive distillation. 4,859,285, 8-22-89, Cl. 203-51.000.

Berg, Lloyd; Rall, Richard R.; and Paffhausen, Marc W., to Berg, Lloyd. Recovery of 4-methyl-2-pentanone from acetic acid by distillation. 4,861,436, 8-29-89, Cl. 203-38.000.

Berg, Lloyd; Wendt, Kraig M.; and Szabados, Rudolph J., to Berg, Lloyd. Dehydration of formic acid by extractive distillation with dicarboxylic acids. 4,877,490, 10-31-89, Cl. 203-15.000.

Berg, Lloyd, to Berg, Lloyd. Separation of m-diisopropyl benzene from p-diisopropyl benzene by azeotropic distillation with ketones. 4,877,491, 10-31-89, Cl. 203-62.000.

Berg, Lloyd, to Berg, Lloyd. Separation of m-diisopropylbenzene from p-diisopropylbenzene by azeotropic distillation with esters. 4,880,505, 11-14-89, Cl. 203-60.000.

Berg, Olle. Means for assembling boards. 4,875,267, 10-24-89, Cl. 29-281.300.

Berg, Peter G.: *See—*
Bishop, Robert P.; Berg, Peter G.; and Offiler, Stephen B., 4,864,103, Cl. 219-375.000.
Offiler, Stephen B.; Berg, Peter G.; and Kawate, Keith W., 4,866,365, Cl. 322-8.000.

Berg, Richard A.; Silver, Frederick H.; and Pachence, James M., to MediMatrix. Collagen matrix beads for soft tissue repair. 4,837,285, 6-6-89, Cl. 530-356.000.

Berg, Richard A.; Silver, Frederick H.; Pachence, James M.; and D'Antonio, John. Collagen matrix/polymer film composite dressing. 4,841,962, 6-27-89, Cl. 128-156.000.

Berg, Richard A.: *See—*
Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; and Runstadler, Peter W., Jr., 4,861,714, Cl. 435-68.000.
Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; Runstadler, Peter W., Jr.; and Maffia, Gennaro J., 4,863,856, Cl. 435-68.000.

Berg, Richard D.; Murphy, John H.; and Casperson, Stephen, to Kolmar Laboratories Inc. Emulsified hydrated stick product. 4,814,165, 3-21-89, Cl. 424-63.000.

Berg, Roger M.; and Scott, Francis H., to Uni-BMX, Inc. Demountable disc covers for spoked wheels and the like. 4,836,615, 6-6-89, Cl. 301-37.0SA.

Berg, Skip. Post urination drip collector. 4,863,448, 9-5-89, Cl. 604-349.000.

Berg, Skip. Disposable tooth cleaning & polishing apparatus. 4,875,247, 10-24-89, Cl. 15-104.940.

Berg, William D.: *See—*
Arechavaleta, Joe R.; Berg, William D.; and Dola, Frank P., 4,853,823, Cl. 361-100.000.

Bergaentzle, Denis: *See—*
Anton, Patrice; and Bergaentzle, Denis, 4,837,077, Cl. 428-240.000.

Bergami, Bridgette A.; and Williams, Phillip H., to Motorola, Inc. Multilayer trench isolation process and structure. 4,855,804, 8-8-89, Cl. 357-49.000.

Bergami, Bridgette A.; and Williams, Phillip H., to Motorola Inc. Multilayer trench isolation process and structure. 4,871,689, 10-3-89, Cl. 437-67.000.

Bergamin, Renzo; and Quittmann, Wilhelm, to Lonza Ltd. Process for the reduction of the ketene trimer content in raw diketene. 4,808,735, 2-28-89, Cl. 549-329.000.

Bergamini, Michael V. W.: *See—*
Janoff, Andrew S.; Bolcsak, Lois E.; Weiner, Alan L.; Tremblay, Paul A.; Bergamini, Michael V. W.; and Suddith, Robert L., 4,861,580, Cl. 424-1.100.

Berge, Gary L.: *See—*
Kim, Mark S.; and Berge, Gary L., 4,822,046, Cl. 273-127.00R.

Berge, Harald. Coin-released gaming machine. 4,844,464, 7-4-89, Cl. 273-138.00A.

Berge, John; and Hindley, Richard M., to Beecham Group p.l.c. Tertiary amines. 4,803,293, 2-7-89, Cl. 560-42.000.

Berge, John; and Beeley, Lee J., to Beecham Group p.l.c. Dihydroindene-amine-dihydrooxazoles. 4,861,789, 8-29-89, Cl. 514-370.000.

Berge, John M., to Beecham Group p.l.c. 2-[2H-(1,3-dihydroisoindole)alkylene]-4,5-dihydroimidazoles and pharmaceutical compositions thereof. 4,863,946, 9-5-89, Cl. 514-397.000.

Berge, Ronald J. Log-cornered siding for buildings. 4,878,328, 11-7-89, Cl. 52-233.000.

Bergemont, Albert; and Ferrant, Richard, to S.G.S. Thomson Microelectronics, S.A. Method for contact between two conductive or semi-conductive layers deposited on a substrate. 4,877,483, 10-31-89, Cl. 156-653.000.

Bergemont, Albert, to SGS-Thomson Microelectronics S.p.A. Non-volatile memory with floating grid and without thick oxide. 4,887,238, 12-12-89, Cl. 365-185.000.

Bergemont, Albert, to Eurotechnique. Dynamic memory in integrated circuit form. 4,888,628, 12-19-89, Cl. 357-23.600.

Bergen, Franciscus H. M., to U.S. Philips Corporation. Modulator comprising a comb filter. 4,816,780, 3-28-89, Cl. 332-1.000.

Bergen, Richard F.: *See—*
Gundlach, Robert W.; and Bergen, Richard F., 4,841,146, Cl. 250-324.000.

Bergendahl, Bruce A.: *See—*
Finley, Roger W.; Lubin, Barry D.; and Bergendahl, Bruce A., 4,860,281, Cl. 370-15.000.

Bergene, Mark A., to Deere & Company. Brake system for four-wheel drive vehicles. 4,811,811, 3-14-89, Cl. 180-244.000.

Bergene, Mark A.: *See—*
Moon, Seaton; and Bergene, Mark A., 4,878,559, Cl. 180-244.000.

Bergenwall, Henning, to Molnlycke AB. Bed and/or chair device. 4,821,351, 4-18-89, Cl. 5-67.000.

Berger, Alfred: *See—*
Becker, Karl; Berger, Alfred; Iwansky, Joachim; Koble, Roland; and Back, Karl, 4,865,467, Cl. 384-273.000.

Berger, Bernard: *See—*
Ducate, John S., Jr.; Berger, Bernard; Boatwright, Neal; and Walters, Jon S., 4,886,045, Cl. 126-41.00R.

Berger, Christian, to Rhone-Poulenc Sante. Process for preparing levomepromazine hydrogen maleate. 4,798,895, 1-17-89, Cl. 544-41.000.

Berger, Dieter: *See—*
Vogel, Peter; Braun, Hans-Peter; Berger, Dieter; and Werner, Wolfgang, 4,816,224, Cl. 422-55.000.

Berger, Dominique; and Rivron, Vincent, to Aerospatiale Societe Nationale Industrielle. Control method for optimizing exploitation costs of an engine aerodyne such as aircraft in the climb phase. 4,827,417, 5-2-89, Cl. 364-433.000.

Berger, Donald: *See—*
Pease, John; Tarnowski, Thomas L.; Berger, Donald; Chang, Chiu C.; and Chuang, Chun-Hua, 4,830,786, Cl. 260-396.00N.

Berger, Donald E., Jr.; Tarnowski, Thomas L.; and Ullman, Edwin F., to Syntex (U.S.A.) Inc. Ligand-receptor assays employing squarate dye compositions. 4,806,488, 2-21-89, Cl. 436-536.000.

Berger, Eric S. V-shaped ear ventilation tube. 4,808,171, 2-28-89, Cl. 604-264.000.

Berger, Erwin; and Moy, Christian, to Hasler AG. Side-limit stop for a device for separating of paper pieces from a stack. 4,887,807, 12-19-89, Cl. 271-171.000.

Berger, Frank: *See—*
Dietrich, Markus; and Berger, Frank, 4,881,499, Cl. 123-90.520.

Berger, Frank M.; DeGraw, Joseph I.; and Johnson, Howard L., to Berger, Frank M. Treatment of allergic conditions using indanyloxyalkanol derivatives. 4,816,491, 3-28-89, Cl. 514-718.000.

Berger, Frank M.; Bona, Constantin; and Lechevalier, Mary P., to Berger, Frank M. Immunological adjuvant and process for preparing the same, pharmaceutical compositions, and process. 4,877,612, 10-31-89, Cl. 424-92.000.

Berger, Franz R. Portable vapour bath. 4,862,526, 9-5-89, Cl. 4-53.600.

Berger, Henri; and Veragen, Rene, to Societe d'Applications Generales d'Electricite et de Mechanique SAGEM. Inflation system, in particular for cardiac assistance. 4,865,580, 9-12-89, Cl. 600-18.000.

Berger, Herbert: *See—*
Martens, Alfred; Holck, Jens-Peter; Berger, Herbert; Muller-Beckman, Bernd; Strein, Klaus; and Roesch, Egon, 4,835,280, Cl. 548-127.000.
Mertens, Alfred; von der Saal, Wolfgang; Berger, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,874,756, Cl. 514-212.000.
von der Saal, Wolfgang; Mertens, Alfred; Berger, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,831,032, Cl. 514-254.000.

Berger, Horst L. Retractable stadium roof system with rectangular opening. 4,831,792, 5-23-89, Cl. 52-66.000.

Berger Industries, Inc.: *See—*
Guginsky, Frank, 4,835,342, Cl. 174-65.0SS.

Berger, Isaac, to Berger, Meir, a part interest. Apparatus for independently exercising arms and legs. 4,809,976, 3-7-89, Cl. 272-138.000.

Berger, Jean L.; and Arques, Marc, to Thomson-CSF. Method for reading a light-sensitive element constituted by a photodiode and a capacitor. 4,797,546, 1-10-89, Cl. 250-214.00R.

Berger, Jean L.; and Arques, Marc, to Thomson-CSF. Matrix of photosensitive elements and an associated reading method in image formation. 4,797,560, 1-10-89, Cl. 250-578.000.

Berger, Jean L.; and Arques, Marc, to Thomson-CSF. Panel for X-ray photography and method of manufacture. 4,810,881, 3-7-89, Cl. 250-370.010.

Berger, Jean L.; Brissot, Louis; and Cazaux, Yvon, to Thomson-CSF. Line-transfer photosensitive device. 4,819,067, 4-4-89, Cl. 357-24.000.

Berger, Jean L., to Thomson-CSF. Circuit for reading a line-transfer photosensitive device, a line-transfer photosensitive device incorporating said circuit and a method for reading said device. 4,833,539, 5-23-89, Cl. 358-213.310.

Berger, Jean P.; Pridgen, Evans H.; and Owens, Alfred W., to Northern Telecom Limited. Automatic solder paste application to circuit boards. 4,796,560, 1-10-89, Cl. 118-211.000.

Berger, Joel G.: *See—*
Petrakis, Konstaninos S.; Berger, Joel G.; and Gold, Elijah H., 4,853,476, Cl. 558-170.000.

Berger, Johann; and Jering, Helmut, to Boehringer Mannheim GmbH. Process for the quantative determination of free thyroxine. 4,843,018, 6-27-89, Cl. 436-500.000.

Berger, Karl-Heinz: *See—*
Blumenthal, Gunter; Neu, Gustav; Berger, Karl-Heinz; and Block, Siegmar, 4,798,417, Cl. 299-1.000.

Berger, Laurent, to Micro-Controle. System for strictly positioning an object along an axis. 4,871,955, 10-3-89, Cl. 318-640.000.

Berger, Maria: *See—*
Kurze, Peter; Krysmann, Waldemar; Berger, Maria; Rabending, Klaus; Schreckenbach, Joachim; Schwarz, Thomas; and Hartmann, Karl-Heinz, 4,869,789, Cl. 204-56.100.

Berger, Marin: *See—*
Wulff, Karl; and Berger, Marin, 4,834,918, Cl. 252-700.000.

Berger, Mary E.: *See—*
Linnemann, Roger; Linnemann, Thomas E.; Berger, Mary E.; and Richardson, Wayne G., 4,819,925, Cl. 269-327.000.

Berger, Meir: *See—*
Berger, Isaac, 4,809,976, Cl. 272-138.000.

Berger, Michel, to Pradom Limited. Process of making a composite product, especially a vehicle tire. 4,857,244, 8-15-89, Cl. 264-24.000.

Berger, Michel, to Pradom Limited. Fluid flow control method and apparatus for a positive displacement engine or compressor. 4,889,088, 12-26-89, Cl. 123-188.00B.

Berger, Moshe, to Ariel and Berger Industries Ltd. Apparatus for dispensing liquid into tubes. 4,804,022, 2-14-89, Cl. 141-164.000.

Berger, Moshe, to Ariel and Berger Industries Ltd. Quickly-releasable clutch. 4,836,346, 6-6-89, Cl. 192-27.000.

Berger, Paul L.: *See—*
  Berger, Richard C.; and Berger, Paul L., 4,887,399, Cl. 52-27.000.

Berger, Philippe; Berland, Pierre A.; and Douziech, Patrick, to Deutsche Thomson-Brandt GmbH. Voltage-controlled crystal oscillator with variable phase feedback. 4,888,567, 12-19-89, Cl. 331-116.00R.

Berger, Philippe: *See—*
  Douziech, Patrick; and Berger, Philippe, 4,837,625, Cl. 358-174.000.
  Douziech, Patrick; and Berger, Philippe, 4,855,688, Cl. 331-8.000.

Berger, Richard A.; and Burkholder, Richard A., to Sherwood Medical Company. Sterile closure device. 4,863,453, 9-5-89, Cl. 604-415.000.

Berger, Richard C.; and Berger, Paul L. Soundproof roof curb. 4,887,399, 12-19-89, Cl. 52-27.000.

Berger, Richard M., to American Filtrona Corporation. Ink reservoir having continuous random sliver with stretch yarn. 4,822,193, 4-18-89, Cl. 401-198.000.

Berger, Richard M. Cooling apparatus for use in the manufacture of tobacco filters. 4,869,274, 9-26-89, Cl. 131-92.000.

Berger, Richard M., to American Filtrona Corporation. Ultra-high filtration filter. 4,869,275, 9-26-89, Cl. 131-332.000.

Berger, Roland; Fink, Hans-Ferdi; and Klocker, Otto, to Th. Goldschmidt AG. Siloxanes, their synthesis and use as deaerating agents for curable resins of plastisols. 4,804,737, 2-14-89, Cl. 528-26.000.

Berger, Roland: *See—*
  Fink, Hans-Ferdi; Koerner, Gotz; Berger, Roland; and Weitemeyer, Christian, 4,824,983, Cl. 556-454.000.
  Fink, Hans-Ferdi; Berger, Roland; Heilen, Wernfried; and Muss, Peter, 4,886,551, Cl. 106-183.000.

Berger, Siegfried: *See—*
  Beck, Walter; Berger, Siegfried; and Werner, Margrit, 4,798,583, Cl. 604-48.000.

Berger, Terry A., to Hewlett-Packard Company. Supercritical fluid chromatography. 4,845,985, 7-11-89, Cl. 73-23.000.

Berger, Thomas R.: *See—*
  Reed, John D.; Roberts, Teddy P.; and Berger, Thomas R., 4,876,710, Cl. 379-63.000.

Berger, Thomas W.: *See—*
  Kent, Dale W.; and Berger, Thomas W., 4,795,590, Cl. 252-307.000.

Berger, Ulf-Michael; and Berger, Volker. Process for the production of catalyzers and catalyzers for the removal of polluting components from the exhaust gases of internal combustion engines. 4,818,744, 4-4-89, Cl. 502-244.000.

Berger, Volker: *See—*
  Berger, Ulf-Michael; and Berger, Volker, 4,818,744, Cl. 502-244.000.

Bergeret, Marcel; Pellerin, Daniel; Rochette, Vincent, and Rubert, Andre, to Conservatome. Irradiation cell conveyor system. 4,852,138, 7-25-89, Cl. 378-69.000.

Bergerioux, Jean-Marcel; Pavie, Claude; Plent, Christian; and Constant, Bernard, to Societe Anonyme dite: Compagnie Generale d'Automatisme CGA-HBS. Installation for making up batches of articles. 4,870,799, 10-3-89, Cl. 53-55.000.

Bergerioux, Jean-Marcel; Pavie, Claude; and Plent, Christian, to Societe Anonyme dite: Compagnie Generale d'Automatisme CGA-HBS. Method of making up batches of small items, and an installation implementing the method. 4,874,281, 10-17-89, Cl. 414-285.000.

Bergeron, Charles W. Poppet valve assembly with apertures. 4,836,154, 6-6-89, Cl. 123-79.00C.

Bergeron, Daniel R.; and Dutton, Clifton C., to GTECH Corporation. On-line wagering system with programmable game entry cards and operator security cards. 4,882,473, 11-21-89, Cl. 235-380.000.

Bergeron, David J., III: *See—*
  Faget, Maxime A.; Johnson, Caldwell C.; and Bergeron, David J., III, 4,834,325, Cl. 244-173.000.

Bergeron, Jean J. Craftman's valet. 4,861,050, 8-29-89, Cl. 280-47.350.

Bergeron, Marcel J. Hoisting structure for automotive vehicle. 4,862,727, 9-5-89, Cl. 72-457.000.

Bergeron, Mark M.: *See—*
  Schreckendgust, Jay G.; Pantelleria, James E.; and Bergeron, Mark M., 4,879,734, Cl. 378-57.000.

Bergeron, Normand J., Jr.: *See—*
  Hollis, Mark A.; Goodhue, William D.; Nichols, Kirby B.; and Bergeron, Normand J., Jr., 4,839,310, Cl. 437-41.000.

Bergeron, Richard: *See—*
  Dayton, Douglas C.; Bergeron, Richard; and Shriner, Donald R., 4,799,254, Cl. 379-97.000.
  Keem, John; Im, Jun S.; Tyler, John; Bergeron, Richard; Dennis, Kevin; and Hoeft, David, 4,867,785, Cl. 75-0.50C.

Bergeron, Robert; and Morel, Jean-Pierre. Floating duck blind. 4,825,799, 5-2-89, Cl. 114-351.000.

Bergeron, Robert L. Skates and skate boards. 4,817,974, 4-4-89, Cl. 280-11.200.

Bergeron, Timothy J. Therapeutic exercise equipment for the handicapped. 4,801,140, 1-31-89, Cl. 272-146.000.

Bergersen, Earl O. Muscular expansion bumper and head-gear appliance. 4,797,093, 1-10-89, Cl. 433-5.000.

Bergersen, Earl O. Expansion/buccal shield appliance. 4,799,884, 1-24-89, Cl. 433-6.000.

Bergersen, Earl O. Deciduous dentition treatment appliance and orthodontic method. 4,830,612, 5-16-89, Cl. 433-6.000.

Bergersen, Earl O. Preformed bands with lingual extensions. 4,856,992, 8-15-89, Cl. 433-18.000.

Bergersen, Earl O. Muscular expansion bumper and head-gear appliance. 4,881,896, 11-21-89, Cl. 433-5.000.

Berges, Hanns-Peter: *See—*
  Bachmann, Paul; Berges, Hanns-Peter; and Leier, Wolfgang, 4,886,599, Cl. 210-287.000.

Bergez, Pierre: *See—*
  Trambouze, Pierre; Euzen, Jean Paul; Bergez, Pierre; and Claveau, Michel, 4,816,140, Cl. 208-309.000.

Bergfeld, Manfred; and Eisenhuth, Ludwig, to Akzo N.V. Process for synthesizing an ammonia complex of zinc bisdithiocarbamate. 4,831,171, 5-16-89, Cl. 556-134.000.

Bergfeld, Manfred; and Eisenhuth, Ludwig, to Akzo N.V. Process for synthesizing alkylene bisdithiocarbamates or the ammonia adducts thereof as well as mixtures that can be synthesized thereby. 4,851,475, 8-1-89, Cl. 556-50.000.

Berggren, Benny, to Alfastar AB. Apparatus using microwave energy for heating continuously passing goods along a wide path. 4,870,236, 9-26-89, Cl. 219-10.55A.

Berggren, Glenn M.; and Kampel, Jerry, to Optical Radiation Corporation. Motion picture projector with reduced picture jump. 4,863,262, 9-5-89, Cl. 352-187.000.

Bergh, Ralph A. Method and apparatus for obtaining a digital measure of absolute rotation. 4,869,592, 9-26-89, Cl. 356-350.000.

Bergh, Robert J., Jr.: *See—*
  Bergh, Robert J., Sr.; and Bergh, Robert J., Jr., 4,882,045, Cl. 210-86.000.

Bergh, Robert J., Sr.; and Bergh, Robert J., Jr. Dispersal apparatus with rotation valving. 4,882,045, 11-21-89, Cl. 210-86.000.

Berghash, Robert D.; and Jachimowicz, Dan A., to Brimms Inc. Toy musical instrument. 4,832,653, 5-23-89, Cl. 446-416.000.

Berghaus, Rainer: *See—*
  Saupe, Thomas; Klebe, Gerhard; Schirmer, Ulrich; Paul, Gerhard; Kober, Reiner; Wuerzer, Bruno; Berghaus, Rainer; Meyer, Norbert; and Westphalen, Karl-Otto, 4,881,969, Cl. 71-94.000.

Bergholt, Steve P.; Klopfenstein, King L.; and Hutter, David B., to Triangle Package Machinery. Weighing scale. 4,850,443, 7-25-89, Cl. 177-188.000.

Bergholz, Ralf. Method and circuitry for the driving of driver stages for functions of internal combustion engines for automotive vehicles especially for fuel injection or ignition. 4,855,919, 8-8-89, Cl. 364-431.030.

Bergin, Anthony E.: *See—*
  Muenger, James R.; Catena, Americo R.; Stevenson, John S.; Bergin, Anthony E.; Veillon, John M.; and Becker, Michael W., 4,801,307, Cl. 48-69.000.

Bergin, John A.: *See—*
  Devir, Daniel D.; Dolan, Richard J.; and Bergin, John A., 4,837,479, Cl. 313-318.000.

Bergin, Michael T.: *See—*
  Miller, John M.; Barton, Richard O.; and Bergin, Michael T., 4,804,270, Cl. 356-355.000.

Bergische Achsenfabrik Fr. Kotz & Sohne: *See—*
  Steiner, Helmut, 4,811,992, Cl. 301-105.00R.

Bergische Stahl-Industrie: *See—*
  Otto, Alfred W.; Lehmann, Wolfgang; and Piontke, Her 4,825,981, Cl. 188-218.0XL.
  Rocholl, Hans; and Klein, Horst, 4,833,975, Cl. 92-63.000.
  Rocholl, Hans; and Klein, Horst, 4,865,166, Cl. 188-196.00D.

Bergk, Gunther, to Braun Aktiengesellschaft. Electronic switching power supply with a choke converter. 4,875,001, 10-17-89, Cl. 323-223.000.

Bergkuist, Carolyn: *See—*
  Musacchio, John; Bergkuist, Carolyn; Manzoni, Angelo; and Premoli, Pietro, 4,870,024, Cl. 436-74.000.

Bergkvist, Hakan; Juhlin, Sven-Eric; Winbad, Bengt; and Norberg, Astrid. Feeding device. 4,880,409, 11-14-89, Cl. 604-73.000.

Bergler, Otto, to Black & Decker Overseas AG. Bench type milling cutter. 4,881,585, 11-21-89, Cl. 144-134.00A.

Bergloff, Dag; Scheucher, Peter; Schieg, Rudolf; and Stummer, [illegible] selher, to Maschinenfabrik Andritz Actiengesellschaft. Press device and seal for filter belt machines. 4,834,884, 5-30-89, Cl. 210-401.000.

Bergloff, Dag; Perchthaler, Heinz; and Pinter, Reinhard, to Maschinenfabrik Andritz Actiengesellschaft. Machine for pressing and dewatering or filtering. 4,851,119, 7-25-89, Cl. 210-400.000.

Berglund, Andrew L. Grass catching apparatus for mower. 4,848,0[illegible] 7-18-89, Cl. 56-202.000.

Berglund, Asta B.; Akerblom, Eva B.; and Hedin, Anders J., to Pharmacia AB. Antibody preparation with specificity for 4-(2-aminoethyl) imidazoyl group manufacture and use of the antibody preparation. 4,797,370, 1-10-89, Cl. 436-518.000.

Berglund, Carl O., to Teledyne Exploration Co. Noise-cancelling streamer cable. 4,821,241, 4-11-89, Cl. 367-20.000.

Berglund, Charles A.: *See—*
  Seitz, Jerry T.; Berglund, Charles A.; and Pasztor, Andrew J., Jr., 4,824,629, Cl. 264-291.000.

Berglund, David M.: *See—*
  Rosenthal, Bruce C.; Zill, Kevin L.; Claerbaut, Kevin R.; Berglund, David M.; and Grover, Kenneth L., 4,878,524, Cl. 144-356.000.

Berglund, Joseph A. Liquid wax applicator. 4,806,037, 2-21-89, Cl. 401-6.000.

Berglund, June M.: *See—*
  Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,827,940, Cl. 128-642.000.
  Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,876,109, Cl. 427-2.000.

Berglund, Stig, to Optica Nova ONAB AB. Projector apparatus. 4,838,686, 6-13-89, Cl. 353-98.000.

Bergman, Andrew: *See—*
  Neuman, Arnold I.; Heidt, Thomas D.; Bergman, Andrew; and Wickstead, James, 4,877,954, Cl. 250-222.200.

Bergman, Bernt-Olov: *See—*
  Axinger, Jan; Bergman, Bernt-Olov; Johansson, Ingemar; Lonnermo, Tomas; Paulsson, Lars; and Persson, Per-Olof, 4,829,903, Cl. 102-384.000.

Bergman, Darrin J.: *See—*
  Chang, Peter; Bergman, Darrin J.; and Duda, Donald W., 4,887,875, Cl. 350-96.210.

Bergman, Gunnar, to Seatek Limited. Ocean platform. 4,829,928, 5-16-89, Cl. 114-125.000.

Bergman, Jan L., to Telefonaktiebolaget L M Ericsson. Method and apparatus for giving identity to, and selecting one of a plurality of function units. 4,847,806, 7-11-89, Cl. 364-900.000.

Bergman, Larry A., to California Institute of Technology. Fiber optic voice/data network. 4,866,704, 9-12-89, Cl. 370-85.400.

Bergman, Larry A.: *See—*
  Johnston, Alan R.; Nixon, Robert H.; Bergman, Larry A.; and Esener, Sadik, 4,884,243, Cl. 365-234.000.

Bergman, Nilsake; Widell, Harald; and Widell, Jan. Conductor strip for electrical and telecommunication conductors. 4,881,907, 11-21-89, Cl. 439-111.000.

Bergman, Norman J.: *See—*
  Lancraft, Roy E.; Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; Booth, Barrett L.; Bergman, Norman J.; and Nuncy, Marcus D., 4,868,474, Cl. 318-568.200.

Bergman, Per O.; Steen, Yvonne M.; and Ingelman, Bjorn G., to Pharmacia AB. Sperm selection process using a salt of hyaluronic acid. 4,804,537, 2-14-89, Cl. 424-105.000.

Bergman, Richard C.: *See—*
  Rich, Joseph W.; Homicz, Gregory F.; and Bergman, Richard C., 4,801,365, Cl. 204-157.220.

Bergman, Robert G.; Buchanan, J. Michael; Stryker, Jeffrey M.; and Wax, Michael J. Hydridomethyl iridium complex. 4,849,534, 7-18-89, Cl. 556-23.000.

Bergman, Rolf S.: *See—*
  Ahlgren, Frederic F.; Bergman, Rolf S.; Davenport, John M.; Hansler, Richard L.; Hantman, Robert G.; and Hoegler, Leonard E., 4,839,559, Cl. 313-579.000.

Bergman, Sten; and Ljung, Stefan, to Asea Brown Boveri AB. Longitudinal differential protection. 4,855,861, 8-8-89, Cl. 361-65.000.

Bergman, Sten; and Ljung, Stefan, to Asea Brown Boveri AB. Protective relay with selective phase selection for double lines. 4,864,453, 9-5-89, Cl. 361-66.000.

Bergman, Sten; and Ljung, Stefan, to ASEA Brown Boveri AB. High resistance ground fault protection. 4,878,142, 10-31-89, Cl. 361-80.000.

Bergman, Thomas J.: *See—*
  Kiyonaga, Kazuo; Litz, Lawrence M.; and Bergman, Thomas J., 4,867,918, Cl. 261-76.000.

Bergman, Ulf; Sommer, Jurgen; and Borggren, Arne, to Siemens Aktiengesellschaft. X-ray examination apparatus. 4,879,736, 11-7-89, Cl. 374-181.000.

Bergmann, Andreas: *See—*
  Beck, Gerhard; Below, Peter; and Bergmann, Andreas, 4,851,440, Cl. 514-550.000.

Bergmann, Erich, to Balzers Aktiengesellschaft. Method and apparatus for application of coatings on substrates. 4,877,505, 10-31-89, Cl. 204-192.380.

Bergmann, Erich; and Braus, Jurgen, to Balzers Aktiengesellschaft. Composite material having a slide layer applied by cathode sputtering. 4,889,772, 12-26-89, Cl. 428-547.000.

Bergmann, Ernest E.; and Staves, Sherre M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Digital phase locked loop clock recovery scheme. 4,821,297, 4-11-89, Cl. 375-120.000.

Bergmann, Gyorgy; Csaba, Gabor; and Hivessy, Geza. Heat exchange pipe for heat transfer. 4,881,596, 11-21-89, Cl. 165-174.000.

Bergmann, Horst; Daudel, Helmut; Brandner, Burkhard; and Klueppel, Klemens, to Daimler-Benz Aktiengesellschaft; and Atlas Fahrzeugtechnik GmbH. Regulation for a gas engine. 4,843,558, 6-27-89, Cl. 364-431.030.

Bergmann, Konrad, to American Standard Inc. Sanitary single-handle mixing valve. 4,796,666, 1-10-89, Cl. 137-625.170.

Bergmann, Konrad, to American Standard Inc. Temperature-controlled mixing fitting. 4,842,191, 6-27-89, Cl. 236-12.120.

Bergmann, Konrad, to American Standard Inc. Cartridge valve assembly. 4,889,157, 12-26-89, Cl. 137-454.500.

Bergmann, Marco: *See—*
  Rebel, Herbert; and Bergmann, Marco, 4,858,910, Cl. 271-204.000.
  Rebel, Herbert; and Bergmann, Marco, 4,869,169, Cl. 101-408.000.

Bergmann, Mark S., to Johnson Service Company. Pneumatic interface apparatus for control of process systems. 4,804,009, 2-14-89, Cl. 137-84.000.

Bergmann, Udo; Hahn, Erwin; and Hansen, Guenter, to BASF Aktiengesellschaft. Heterocyclic azo dyes. 4,820,809, 4-11-89, Cl. 534-765.000.

Bergmans, Johannes W. M.; Claasen, Theodoor A. C. M.; and Van Gerwen, Petrus J., to U.S. Philips Corporation. Arrangement for full-duplex data transmission over two-wire circuits. 4,835,765, 5-30-89, Cl. 370-32.100.

Bergmans, Johannes W. M.; Claasen, Theodoor A. C. M.; and Van Gerwen, Petrus J., to U.S. Philips Corporation. Data transmission system comprising smearing filters. 4,856,026, 8-8-89, Cl. 375-58.000.

Bergmans, Johannes W. M., to U.S. Philips Corporation. Data transmission system comprising a decision feedback equalizer and using partial-response techniques. 4,866,736, 9-12-89, Cl. 375-18.000.

Bergmans, Johannes W. M.; van Gerwen, Petrus J.; and Wouda, Kornelis J., to U.S. Philips Corp. Data signal transmission system using decision feedback equalization. 4,870,657, 9-26-89, Cl. 375-14.000.

Bergmark, Nils R. Shower cabinet. 4,879,773, 11-14-89, Cl. 4-612.000.

Bergmeier, Dieter: *See—*
  Jeschke, Willi; and Bergmeier, Dieter, 4,846,061, Cl. 101-408.000.

Bergmeier, Werner: *See—*
  Hafner, Josef; Bergmeier, Werner; Schonenberger, Rolf; and Fischer, Matthias, 4,881,468, Cl. 104-103.000.

Bergna, Horacio E., to Du Pont de Nemours, E. I., and Company. Method of making acrylonitrile. 4,849,539, 7-18-89, Cl. 558-323.000.

Bergner, Arndt, to Hilti Aktiengesellschaft. Dispensing device for flowable masses. 4,854,482, 8-8-89, Cl. 222-94.000.

Bergner, Richard M. Apparatus and method for extraction and recovery of precious metal using coherent radiation. 4,814,003, 3-21-89, Cl. 75-10.130.

Bergomi S.p.A.: *See—*
  Gasparini, Giorgio, 4,863,336, Cl. 414-525.540.

Bergougnoux, Michel: *See—*
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Bergquist, Carl R.: *See—*
  DeGree, David C.; Humphrey, Dallas R.; Bergquist, Carl R.; and West, Roger A., 4,853,763, Cl. 357-81.000.

Bergquist Company, The: *See—*
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  DeGree, David C.; Humphrey, Dallas R.; Bergquist, Carl R.; and West, Roger A., 4,853,763, Cl. 357-81.000.
  Fick, Herbert J., 4,842,911, Cl. 428-40.000.

Bergren, Donald A.: *See—*
  Salzer, Leander J.; and Bergren, Donald A., 4,798,002, Cl. 33-125.00A.

Bergren, Orton D.: *See—*
  Maloney, William F.; Hall, Deborah K.; Parkinson, Dean B.; Bergren, Orton D.; and Dodge, Allen L., 4,865,552, Cl. 434-271.000.

Bergsbaken, Carlton K.: *See—*
  Subramaniam, Anandaraman; Ozogar, Robert M.; and Bergsbaken, Carlton K., 4,853,232, Cl. 426-35.000.

Bergstedt, Donald B., to Hewlett-Packard Company. Method of improving dot-on-dot graphics area-fill using an ink-jet device. 4,855,752, 8-8-89, Cl. 346-1.100.

Bergstedth, Henry. Device in a vending machine. 4,804,107, 2-14-89, Cl. 221-12.000.

Bergsten, Lars, to Saab-Scania Aktiebolag. Tensioning arrangement for a power-transmitting element incorporated in a transmission. 4,889,087, 12-26-89, Cl. 123-90.310.

Bergstrom, Anders; and Sevrell, Gosta, to AB Tetra Pak. Device for braking articles to be conveyed on a conveyer and braking rubber tubes therefor. 4,796,746, 1-10-89, Cl. 198-463.400.

Bergstrom, Anders, to AB Tetra Pak. Distribution-transferring device for articles to be conveyed incorporated in a conveyer. 4,889,223, 12-26-89, Cl. 198-364.000.

Bergstrom, Arne. Electromagnetic radiation circuit element. 4,814,600, 3-21-89, Cl. 250-221.000.

Bergstrom, Bert E.; and Lindberg, Hans E., to Sandvik AB. Drilling and threading tool and method for drilling and threading. 4,831,674, 5-23-89, Cl. 10-140.000.

Bergstrom, Christer; and Palmgren, Tor H., to Neste Oy. Modified polyolefine. 4,877,685, 10-31-89, Cl. 428-500.000.

Bergstrom, Hans R., to Car-O-Liner Company. Vehicle chassis straightening bench. 4,845,974, 7-11-89, Cl. 72-457.000.

Bergstrom, Hans R., to Car-O-Liner Company. Lifting arrangement in vehicle chassis straightening benches. 4,873,861, 10-17-89, Cl. 72-457.000.

Bergstrom, John S., to Siemens-Bendix Automotive Electronics L.P. Planar mounting of silicon micromachined sensors for pressure and fluid-flow measurement. 4,864,724, 9-12-89, Cl. 29-854.000.

Bergstrom, Magnus; Gersbro, Stefan; and Fransson, Jan-Olof, to AB Akerlund & Rausing. Container closure. 4,811,855, 3-14-89, Cl. 215-243.000.

Bergstrom, Magnus; Gersbro, Per-Stefan; and Fransson, Jan-Olof, to AB Akerlund & Rausing. Device for accomplishing at least a liquid tight joint and a method for manufacturing such a device. 4,811,957, 3-14-89, Cl. 277-1.000.

Bergstrom, Magnus: *See—*
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Bergstrom, Michael J.; and Gent, Derek J., to U.S. Philips Corp. High voltage power transistor circuits. 4,837,457, 6-6-89, Cl. 307-253.000.

Bergstrom, Robin K.: *See—*
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Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, to VEB

Jenapharm. Process for the production of nourseothricine and its adsorbate. 4,861,715, 8-29-89, Cl. 435-70.000.

Bergthaller, Peter; Stolzenburg, Rudolf; and Hubner, Dirk, to Agfa-Gevaert Aktiengesellschaft. Color photograhic recording material containing a coupler which releases a photographically active compound. 4,870,000, 9-26-89, Cl. 430-505.000.

Bergum, Bernard C., to Rayovac Corporation. Lithium cell anti-reversal protection. 4,830,935, 5-16-89, Cl. 429-101.000.

Bergwerk-und Walzwerk-Maschinenbau GmbH: *See—*
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Bergwerksverband GmbH: *See—*
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  Heising, Ferdinand, 4,815,586, Cl. 198-727.000.
  Knoblauch, Karl; Tarnow, Ferdinand; and Heimbach, Heinrich, 4,880,765, Cl. 502-432.000.
  Richter, Ekkehard; Juntgen, Harald; Schmidt, Hans-Jurgen; and Knoblauch, Karl, 4,855,116, Cl. 423-239.000.

Berhold, G. Mark. Three-dimensional circuit component assembly and method corresponding thereto. 4,833,568, 5-23-89, Cl. 361-383.000.

Berhrenz, Wolfgang: *See—*
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Beriger, Ernst; Eckhardt, Wolfgang; and Nyfeler, Robert, to Ciba-Geigy Corporation. Nematicidal compositions. 4,861,787, 8-29-89, Cl. 514-363.000.

Beriger, Ernst: *See—*
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Bering, Anton J.; and Hildebrandt, William V., to General Motors Corporation. Molding retention clip assembly. 4,860,409, 8-29-89, Cl. 24-289.000.

Beringer Co., Inc.: *See—*
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  Diamantstein, Menachem; Gran, Paul; Berinzon, Marian; Eckstien, Zvi; Gal, Uri; and Greenberg, Julie, 4,826,274, Cl. 350-96.160.

Berke, Carl M., to Hygeia Sciences, Inc. Extraction of test substances. 4,851,337, 7-25-89, Cl. 435-29.000.

Berke, Joseph J. Power cord decoupler and method. 4,850,886, 7-25-89, Cl. 439-152.000.

Berke, Joseph J. Manual rotary scalpel structure. 4,887,598, 12-19-89, Cl. 606-180.000.

Berke, W. Mike; and Malzbender, Thomas, to Hewlett-Packard Company. Graphics tablet using a permuted trace ordering scheme. 4,806,918, 2-21-89, Cl. 340-712.000.

Berkelder, Wilhelm H., to Apparatenfabrick ATAG B.V. Cooking and baking device to be built in. 4,831,999, 5-23-89, Cl. 126-19.00R.

Berkeley, James E.; and Franck, Timothy D., to Kwik-Way Manufacturing Corporation. Control circuit for a honing machine. 4,837,982, 6-13-89, Cl. 51-165.900.

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Berkeley Quartz Lab, Inc.: *See—*
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Berkelmans, Nicolaas M.; Den Outer, Marius, deceased; and by Den Outer, Annie, legal representative, to Special Systems Industry B.V. Real-time word typewriter. 4,804,279, 2-14-89, Cl. 400-94.000.

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  Wagner, Wolfram; Nyssen, Roger; Berkenhaus, Dirk; and van Pey, Hans-Theo, 4,838,917, Cl. 65-5.000.

Berker, Otto. Process for impregnating corks. 4,821,900, 4-18-89, Cl. 215-355.000.

Berkers, Jacobus A. P., to OCE-Nederland B.V. Laser module. 4,856,870, 8-15-89, Cl. 350-252.000.

Berkes, John S.: *See—*
  Gruber, Robert J.; Bov, Raphael F.; Cometa, Thomas D.; Eakin, Paul W.; Berkes, John S.; and Grushkin, Bernard, 4,859,550, Cl. 430-39.000.

Berkey, George E., to Corning Glass Works. Method of splicing fibers. 4,807,959, 2-28-89, Cl. 350-96.210.

Berkey, George E., to Corning Glass Works. Capillary splice method. 4,822,389, 4-18-89, Cl. 65-2.000.

Berkhan, Dietmar; and Mehlert, Martin, to Otis Elevator Company. Safety brake for escalators. 4,875,558, 10-24-89, Cl. 188-171.000.

Berkhout, Henny, to Akzo NV. Drainage mat with high crushing strength and weste-dump base containing said mat. 4,815,963, 3-28-89, Cl. 128-283.000.

Berkhout, Ronald; Van Stiphout, Johannes G. V.; Corver, Jozef; A. W. M.; Hcep, Antoon L.; and Knapen, Berend J., to Oce-Nederland B.V. Magnetic roller means with stationary magnetic knife blade for use in printing devices. 4,884,188, 11-28-89, Cl. 346-160.100.

Berkin, George; Heady, Richard F.; Clarke, Jeffrey; Raghavan, Asuri; Foran, Raymond; Mayer, Ralph; and Chleoda, Joseph, to Kulicke & Soffa Industries, Inc. Pattern recognition system. 4,823,394, 4-18-89, Cl. 382-8.000.

Berkin, George M., to Kulicke & Soffa Industries, Inc. Pattern recognition apparatus and method. 4,853,968, 8-1-89, Cl. 382-8.000.

Berkley, Inc.: *See—*
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  Rumbaugh, James T., 4,885,865, Cl. 43-18.500.

Berkman, John W.: *See—*
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Berkovich, Semyon; Yee, Henry C.; and Walter, Chris J., to Allied-Signal Inc. Multilevel concurrent communications architecture for multiprocessor computer systems. 4,868,814, 9-19-89, Cl. 370-67.000.

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Berkovich, Shlomo. Device for rocking a baby carriage. 4,856,130, 8-15-89, Cl. 5-109.000.

Berkowitz, Edward H. Real time non-destructive dose monitor. 4,849,641, 7-18-89, Cl. 250-492.200.

Berkowitz, Frederick J.; and Brown, Sanford S., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Dual mode disk controller. 4,811,280, 3-7-89, Cl. 364-900.000.

Berkowitz, Gerard. Adaptor handle. 4,872,697, 10-10-89, Cl. 280-304.500.

Berkowitz, Murray; and Abraham, John, to John Deere Technologies International, Inc. Rotary valve for natural gas rotary engine. 4,889,091, 12-26-89, Cl. 123-219.000.

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Berkstresser, George W.; and Shmulovich, Joseph, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Electron beam pumped laser. 4,807,241, 2-21-89, Cl. 372-80.000.

Berkstresser, George W.; and Brandle, Charles D., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Cathode ray tube with single crystal target. 4,835,437, 5-30-89, Cl. 313-468.000.

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Berlanga, Jose M. C.: *See—*
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Berlant, Sigmund. Container support. 4,860,982, 8-29-89, Cl. 248-100.000.

Berlekamp, Elwyn R.; Bixby, James A.; and Lemke, James U., to Eastman Kodak Company. Digital time base correction using a reference bit. 4,803,566, 2-7-89, Cl. 360-26.000.

Berlekamp, Elwyn R., to Cyclotomics, Inc. Soft decision Reed-Solomon decoder. 4,821,268, 4-11-89, Cl. 371-37.000.

Berlex Laboratories, Inc.: *See—*
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Berlin, Kenneth D.; Holt, Elizabeth M.; Ford, Warren T.; and Thompson, Mark D., to Oklahoma Agricultural and Mechanical College acting for and on behalf of Oklahoma State University, The Board of Regents for the. Heteroarotinoid compounds as anticancer agents. 4,826,984, 5-2-89, Cl. 546-134.000.

Berlin, Kenneth D.; Ford, Warren T.; Rajadhyaksha, Shirish N.; Gale, Jonathan B.; and Spruce, Lyle W., to Oklahoma Agricultural and Mechanical College acting for and on behalf of Oklahoma State University, The Board of Regents for the. Heteroarotinoids as anticancer agents. 4,833,254, 5-23-89, Cl. 548-454.000.

Berlin, Michael S. Laser-delivery eye-treatment method. 4,846,172, 7-11-89, Cl. 128-303.100.

Berlincourt, Don A., to Channel Products, Inc. Gas ignition apparatus. 4,863,372, 9-5-89, Cl. 431-66.000.

Berlincourt, Yves; and Mouchot, Alain, to Tecalemit Flexibles S.A. High-pressure hose and a process for its production. 4,802,510, 2-7-89, Cl. 138-125.000.

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  Leong, Helen; Katz, Martin; Delk, Ann; Nacht, Sergio; and Berliner, David, 4,855,144, Cl. 424-487.000.

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  Killian, Edmund F.; and Berliner, Wallace H., 4,886,408, Cl. 411-519.000.

Berliner, William, to Coleco Industries, Inc. Doll with controlled mouth actuation in simulated speech. 4,808,142, 2-28-89, Cl. 446-301.000.

Berliner, William; and Johnson-Williams, Mark B., to Coleco Industries, Inc. Doll with sensing switch. 4,820,236, 4-11-89, Cl. 446-369.000.

Berliner, William; and Koda, Walter, to Coleco Industries, Inc. Doll with waterproof joints. 4,854,911, 8-8-89, Cl. 446-376.000.

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Berman, Alan: *See—*
  Yamamoto, Tokuo; Brown, Michael; Torri, Tsuyoshi; and Berman, Alan, 4,807,199, Cl. 367-15.000.

Berman, Arnold L.; Hahn, Carl J., III; and Wachs, Marvin R., to Hughes Aircraft Company. Self equalizing multi-stage radio frequency power amplifier. 4,857,865, 8-15-89, Cl. 330-304.000.

Berman, Arthur: *See—*
  Lipton, Lenny; Berman, Arthur; and Meyer, Lawrence D., 4,820,027, Cl. 350-347.00E.
  Lipton, Lenny; Berman, Arthur; and Meyer, Lawrence D., 4,884,876, Cl. 350-347.00E.

Berman, Arthur L.; and Melzer, James E., to Kaiser Electronics. Optical collimating apparatus. 4,859,031, 8-22-89, Cl. 350-174.000.

Berman, Arthur L., to Kaiser Aerospace & Electronics Corporation. Multiple image, single display system and method. 4,879,603, 11-7-89, Cl. 358-242.000.

Berman, Carol B.: *See—*
  Evans, Thomas L.; and Berman, Carol B., 4,816,548, Cl. 528-370.000.
  Evans, Thomas L.; and Berman, Carol B., 4,831,001, Cl. 502-153.000.
  Evans, Thomas L.; and Berman, Carol B., 4,839,462, Cl. 528-370.000.

Berman, Charles L.; Brand, Daniel; and Trevillyan, Louse H., to International Business Machines Corporation. Method of detecting constants and removing redundant connections in a logic network. 4,816,999, 3-28-89, Cl. 364-489.000.

Berman, Ellen M.; Werbel, Leslie M.; and McNamara, Dennis J., to Warner-Lambert Company. Substituted quinazolinones as anticancer agents. 4,857,530, 8-15-89, Cl. 514-259.000.

Berman, Elliot, to Atlantic Richfield Company. Photoconductive device containing electroless metal deposited conductive layer. 4,798,808, 1-17-89, Cl. 437-4.000.

Berman, Elliot, to Atlantic Richfield Company. Flexible photovoltaic device. 4,816,324, 3-28-89, Cl. 428-216.000.

Berman, Herbert L., to Sensor Control, Inc. Radiometric measurement of wafer temperatures during deposition. 4,823,291, 4-18-89, Cl. 364-557.000.

Berman, Jody R.: *See—*
  Larson, Paul A.; Aldrich, Dale J.; and Berman, Jody R., 4,874,669, Cl. 428-416.000.

Berman, Mark H. S.; Doshi, Dilip D.; and Gilmore, Thomas F., to James River Corporation. Nonwoven continuously-bonded trilaminate. 4,863,785, 9-5-89, Cl. 428-218.000.

Berman, Phillip W.; and Lasky, Laurence A., to Genentech, Inc. Molecularly cloned diagnostic product and method of use. 4,855,224, 8-8-89, Cl. 435-5.000.

Bermel Industries, Inc.: *See—*
  Melanson, Leslie B.; and Berendt, Gerald C., 4,852,214, Cl. 17-1.00F.

Bermes, Rudolf: *See—*
  Degen, Hans-Juergen; Bermes, Rudolf; and Pfohl, Sigberg, 4,804,387, Cl. 8-641.000.

Bermingham, Patrick, to Berminghammer Corporation Limited. Test system for caissons and piles. 4,845,996, 7-11-89, Cl. 73-807.000.

Berminghammer Corporation Limited. *See—*
  Bermingham, Patrick, 4,845,996, Cl. 73-807.000.

Bernadic, Thomas; Patterson, John; and Lowe, Tony, to GTE Valenite Corporation. Polygonal cutting insert. 4,856,942, 8-15-89, Cl. 407-114.000.

Bernadic, Thomas: *See—*
  Lowe, Tony; and Bernadic, Thomas, 4,854,785, Cl. 407-115.000.

Bernadic, Thomas J.; Lowe, Tony M.; Patterson, John H.; Katbi, Karl A.; Zimmerman, Charles E.; and Val, Yefim, to GTE Valenite Corporation. Polygonal cutting insert. 4,846,609, 7-11-89, Cl. 407-114.000.

Bernadic, Thomas J.: *See—*
  Patterson, John H.; Lowe, Tony M.; Bernadic, Thomas J.; Val, Yefim; Katbi, Karl A.; and Zimmerman, Charles E., 4,859,122, Cl. 407-114.000.

Bernal, Inc.: *See—*
  Pfaff, Douglas, 4,825,739, Cl. 83-139.000.

Bernal, Medardo P. Chain tensioning device. 4,881,928, 11-21-89, Cl. 474-111.000.

Bernal, Patrick J. Auxiliary brake light control system. 4,806,782, 2-21-89, Cl. 307-10.00R.

Bernal Rotary Systems, Inc.: *See—*
  Bell, Jerry L., 4,846,774, Cl. 493-87.000.

Bernard, Alain; and Touboul, Pierre, to Office National d'Etudes et de Recherches Aerospatiales. Electrostatic accelerometer with dual electrical connection to its test mass. 4,799,386, 1-24-89, Cl. 73-517.00B.

Bernard, Alain; and Touboul, Pierre, to Office National d'Etudes et de Recherches Aerospatiales. Device for calibrating ultra-sensitive accelerometers. 4,869,092, 9-26-89, Cl. 73-1.00D.

Bernard, Andre. Foam wall and ceiling hole repair method. 4,809,478, 3-7-89, Cl. 52-514.000.

Bernard, Andre : *See—*
  Kertesz, Claude; Koehly, Gerard; Josso, Frank; and Bernard, Andre , 4,839,102, Cl. 252-628.000.

Bernard, Chappel, to Societe pour l'Application de l'Optique et de l'Electronique a la Recherche et a l'Automatisation Optelec, societe anonyme. Toroidal transformer with integrated self-inductance device. 4,847,583, 7-11-89, Cl. 336-84.00C.

Bernard, Claude: *See—*
  Douche, Jean-Pierre; Coulon, Jean-Claude; and Bernard, Claude, 4,807,814, Cl. 239-428.000.
  Torres, Joaquim; Madar, Roland; Bernard, Claude; and Million-Brodaz, Jean-Francois, 4,871,691, Cl. 437-200.000.

Bernard, Derek J. C.: *See—*
  Rainone, John P.; and Bernard, Derek J. C., 4,805,326, Cl. 40-155.000.
  Taylor, Hugh F.; Theobald, David R.; and Bernard, Derek J. C., 4,850,329, Cl. 124-68.000.

Bernard, Douglas E., to Hughes Aircraft Company. Anti-skid braking system control method. 4,855,916, 8-8-89, Cl. 364-426.020.

Bernard, Emeric E., to Bernard-Hensch, Inc. Trench forming device and guidance method. 4,871,026, 10-3-89, Cl. 172-26.000.

Bernard, Emile; Galland, Gerard; Vernac, Yves; and Doublier, Charles, to Centre Technique de l'Industrie des Papiers, Cartons Et Cellulose; and Societe de Pate a Papier Savoie Dauphine. Process and plant for recycling waste printed papers. 4,865,690, 9-12-89, Cl. 162-4.000.

Bernard, Emile C., to Minnesota Mining and Manufacturing Company. Heat shrink package handle. 4,830,895, 5-16-89, Cl. 428-34.200.

Bernard Engraving Co.: *See—*
  Blome, Fred C.; and Bernard, Jack L., 4,852,281, Cl. 40-152.100.

Bernard, Esparbes, to Aerospatiale Societe Nationale Industrielle. Internal-combustion engine having opposed integral annular pistons and a central shaft. 4,887,558, 12-19-89, Cl. 123-58.00C.

Bernard Fried Racing Enterprises, Inc.: *See—*
  Letovsky, Howard; and Fried, Bernard, 4,887,967, Cl. 434-61.000.

Bernard, Georges; Bouvet, Bernard; Jacolin, Richard; Colleoni, Guido; Gaillard, Jacques; and Volsy, Robert, to Merlin Gerin. Rotary switch with curved arc root migration track. 4,803,319, 2-7-89, Cl. 200-147.00A.

Bernard-Hensch, Inc.: *See—*
  Bernard, Emeric E., 4,871,026, Cl. 172-26.000.

Bernard, Jack L.: *See—*
  Blome, Fred C.; and Bernard, Jack L., 4,852,281, Cl. 40-152.100.

Bernard, Jacques; and Rovel, Jean-Marie, to Degremont. Fluidized bed reactor with means for ensuring homogeneous distribution of the fluid to be treated. 4,869,815, 9-26-89, Cl. 210-151.000.

Bernard, Jay M.; Chodzko, Richard A.; and Bixler, Timothy J., to Aerospace Corporation, The. Aberrated suppressor mirror. 4,799,780, 1-24-89, Cl. 350-600.000.

Bernard, Jean; and Brunet, Roger, to Constructions Navales et Industrielles de la Mediterranee. System for spreading and depositing a spanning beam from a vehicle such as an armored vehicle of the engineer corps for clearing an obstacle. 4,853,998, 8-8-89, Cl. 14-2.400.

Bernard, Jean-Jacques; and Robieux, Jean, to Societe Anonyme dite Compagnie Generale d'Electricite. Adaptive antenna system for radio waves, in particular for microwaves. 4,864,310, 9-5-89, Cl. 342-368.000.

Bernard, Jean-Luc; and Serein, Etienne, to Isover Saint-Gobain. Insulating produce made in situ, fibres or particles used in its composition and a method of manufacture. 4,849,289, 7-18-89, Cl. 428-404.000.

Bernard, Kathleen P.: *See—*
  Dunn, John P.; and Bernard, Kathleen P., 4,868,449, Cl. 313-25.000.

Bernard Matthews PLC: *See—*
  Matthews, Bernard T.; Joll, David J.; Ziauddin, Habeeb M.; and Wilson, David N., 4,804,551, Cl. 426-518.000.
  Matthews, Bernard T.; Joll, David J.; Ziauddin, Habeeb M.; and Wilson, David N., 4,834,999, Cl. 426-413.000.
  Matthews, Bernard T.; Joll, David J.; and Ziauddin, Habeeb M., 4,874,623, Cl. 426-272.000.

Bernard, Michel: *See—*
  Pierrard, Paul; Bernard, Michel; and Largeteau, Denis, 4,816,150, Cl. 210-321.820.

Bernard, Patrice; Lancien, Daniel; and Gazet, Andre , to Societe Nationale des Chemins de Fer Francais. Process and system for localizing a mobile unit which travels on a system of railroads. 4,863,123, 9-5-89, Cl. 246-122.00R.

Bernard, Patrice; Sauvage, Laurent; Girard, Henri; and Ferrero, Jean-Pierre, to Commissariat a L'Energie Atomique. Control process for a nuclear reactor. 4,876,057, 10-24-89, Cl. 376-216.000.

Bernard, Patrick, to Thomson Semiconducteurs. Differential analog-digital converter with switched capacitors. 4,812,817, 3-14-89, Cl. 341-172.000.

Bernard, Peter S.: *See—*
  Reimers, James L.; and Bernard, Peter S., 4,845,780, Cl. 2-160.000.

Bernard, Philippe; and Prudhon, Francois, to Rhone-Poulenc Chimie de Base. Steam cracking of hydrocarbons. 4,832,822, 5-23-89, Cl. 208-130.000.

Bernard, Robert R.: *See—*
Aloi, Anthony J.; Bernard, Robert R.; and Proulx, Edward A., 4,876,940, Cl. 89-33.160.

Bernard, Thomas E.; Sherwin, Gary W.; Kenney, William L., Jr.; and Lewis, Debra A., to Electric Power Research Institute, Inc. Personal monitor and process for heat and work stress. 4,883,063, 11-28-89, Cl. 128-670.000.

Bernardi, Adriano; Bonelli, Fabio; Pessi, Antonello; and Verdini, Antonio S., to Eniricerche, S.p.A. Immunologically active polypeptides useful for the preparation of antimalarial vaccines and of diagnostic kits for the detection of antisporozoite antibodies. 4,843,146, 6-27-89, Cl. 530-324.000.

Bernardi, Carl. PLCC co-planarity measurement method and apparatus. 4,795,554, 1-3-89, Cl. 209-546.000.

Bernardi, Luigi; Chiodini, Laura; and Temperilli, Aldemio, to Farmitalia Carlo Erba S.p.A. D-nor-7-ergoline derivatives having anti-Parkinson and antipsychosis activity and pharmaceutical compositions containing them. 4,861,793, 8-29-89, Cl. 514-410.000.

Bernardi, Richard B.: *See—*
Rello, Michael J.; and Bernardi, Richard B., 4,850,362, Cl. 128-660.050.

Bernardi, Richard T., to Tokyo Shibaura Denki Kabushiki Kaisha. Integrated CT scanner gantry. 4,798,540, 1-17-89, Cl. 439-22.000.

Bernardi, Richard T., to Tokyo Shibaura Denki Kabushiki Kaisha. Integrated CT scanner gantry. 4,799,245, 1-17-89, Cl. 378-15.000.

Bernardi, Richard T., to Bio-Imaging Research, Inc. Cam-controlled automatic dynamic focusing for computed tomography. 4,872,191, 10-3-89, Cl. 378-150.000.

Bernardi, Roy L.: *See—*
Jacobsen, Donald V.; Bernardi, Roy L.; and Ryan, Francis W., 4,828,346, Cl. 350-1.700.

Bernardi, Sergio, to Selenia Industrie Elettroniche Associate S.p.A. Process for making monocrystalline HGCDTE layers. 4,872,943, 10-10-89, Cl. 156-621.000.

Bernardin, Leo J., to Kimberly-Clark Corporation. Form-fitting self-adjusting disposable garment with a multilayered absorbent. 4,838,885, 6-13-89, Cl. 604-385.100.

Bernardin, Rodney A.; Hanken, Laurel A.; Insley, Thomas I.; and Murray, Alice C., to Minnesota Mining and Manufacturing Company. Containment device for biological materials. 4,884,684, 12-5-89, Cl. 206-204.000.

Bernardo, Orlando, to Casa Bernardo Ltd. Process for the elaboration of an insecticide. 4,863,718, 9-5-89, Cl. 424-40.000.

Bernardon, Jean-Michel: *See—*
Shroot, Braham; Eustache, Jacques; Bernardon, Jean-Michel; and Nedoncelle, Philippe, 4,874,747, Cl. 514-23.000.

Bernarducci, Ernest, to Sterling Drug Inc. Liquid sanitizing and cleaning compositions with diminished skin irritancy. 4,804,492, 2-14-89, Cl. 252-106.000.

Bernart, Matthew W.: *See—*
Gerwick, William H.; and Bernart, Matthew W., 4,810,424, Cl. 260-412.800.

Bernasconi, Christian: *See—*
Aurelle, Yves; Bernasconi, Christian; Besombes-Vailhe, Jean; Julien, Edmond; and Roques, Henri, 4,889,537, Cl. 44-53.000.
Bouchez, Dominique; Casamata, Gilbert; Fournier, Pascale; and Bernasconi, Christian, 4,804,495, Cl. 252-312.000.

Bernasek, Edward; Bridle, Kenneth A.; Clapp, William L.; and Fagg, Barry S., to R. J. Reynolds Tobacco Company. Tobacco processing. 4,887,618, 12-19-89, Cl. 131-297.000.

Bernat, Fred B., to Research Corporation of America, Inc. Activated silicon-containing aluminum complex and process of preparation and use. 4,857,309, 8-15-89, Cl. 424-68.000.

Bernat, Georg, to Dorf Industries Pty. Ltd. Sealing washer for taps. 4,880,209, 11-14-89, Cl. 251-363.000.

Bernat, Georg J., to Dorf Industries Pty. Ltd. Single handle mixing tap or valve. 4,887,642, 12-19-89, Cl. 137-625.410.

Bernat, James. Puzzle with pieces having contrasting surfaces in relatively movable track segments. 4,832,343, 5-23-89, Cl. 273-153.00S.

Bernath, Oskar, to Georg Fischer Aktiengesellschaft. Arrangement for pressure adjustment in a veneer assembling machine. 4,838,975, 6-13-89, Cl. 156-564.000.

Bernatz, Kevin; and Pillsbury, Ron W., to Wm. Wrigley Jr. Company. Non-staling gum composition with improved wrappability. 4,824,680, 4-25-89, Cl. 426-3.000.

Bernaud, Maurice: *See—*
Gurcan, Mustafa; and Bernaud, Maurice, 4,806,890, Cl. 333-205.000.

Bernauer, Karl; and Bruderer, Hans, to Hoffmann-La Roche Inc. Phenethylamine derivatives. 4,820,734, 4-11-89, Cl. 514-649.000.

Bernauer, Larry W. Heart puzzle. 4,878,670, 11-7-89, Cl. 273-158.000.

Bernd, Kevin L.: *See—*
Pease, Charles C.; Schaeffer, Eugene P.; Bernd, Kevin L.; and Higton, David A., 4,842,465, Cl. 411-337.000.

Berndorf Luzern AG: *See—*
Meier, Hermann, 4,881,590, Cl. 165-48.100.

Berndt, Dietmar, to Signaltechnik GmbH. Method and apparatus to contactlessly measure the brake temperatures of passing railroad cars. 4,820,057, 4-11-89, Cl. 374-141.000.

Berndt, Gerhard: *See—*
Muschelknautz, Edgar; Becker, Ernst; Bartsch, Adalbert; Kersten, Lars; Gospos, Georg; and Berndt, Gerhard, 4,871,147, Cl. 266-182.000.

Berndt, Harald. Device for nebuilizing sample liquid for spectroscopical purposes. 4,886,359, 12-12-89, Cl. 356-312.000.

Berndt, Mitchell J., to Union Oil Company of California. Low speed shut down apparatus and method for high temperature hammer mills. 4,798,343, 1-17-89, Cl. 241-36.000.

Berndt, Wolfgang: *See—*
Michel, Eberhard; Scholz, Manfred; Berndt, Wolfgang; and Katscher, Peter, 4,801,425, Cl. 376-461.000.

Berne, Jean G., to Societe Nouvelle des Ateliers et Chantiers du Havre. Automatically controlled machine for rolling metal sheets. 4,796,440, 1-10-89, Cl. 72-9.000.

Berne, Michel: *See—*
Micoud, Robert; and Berne, Michel, 4,821,008, Cl. 335-189.000.

Berne, Robert M.: *See—*
Mentzer, Robert M., Jr.; Ely, Stephen W.; Lasley, Robert D.; and Berne, Robert M., 4,880,783, Cl. 514-46.000.

Berneking, William D.; and Hall, Edward A., to McDonnell Douglas Corporation. Dual frequency microstrip patch antenna with improved feed and increased bandwidth. 4,827,271, 5-2-89, Cl. 343-700.0MS.

Bernenyi nee Poldermann, Edit: *See—*
Ratz nee Simonek, Ildiko ; Benko, Pal; Bernenyi nee Poldermann, Edit; and Magyar, Karoly, 4,824,670, Cl. 424-141.000.

Berner, Dietrich; Reidinger, Rolf; and Vollath, Rainer, to Alcatel NV. Mask-frame assembly and method of manufacturing the same. 4,806,820, 2-21-89, Cl. 313-404.000.

Berner, Eckhard: *See—*
Esser, Karl-Josef; and Berner, Eckhard, 4,833,770, Cl. 29-568.000.

Berner, Godwin: *See—*
Rembold, Manfred; Sitek, Franciszek; Rutsch, Werner; and Berner, Godwin, 4,861,806, Cl. 522-66.000.

Berner, John M. Position adjustable handrail for use along stairways. 4,856,761, 8-15-89, Cl. 256-59.000.

Berner, Jorg; Anliker, Markus; Feller, Willy; and Breer, Werner, to Sprecher & Schuh AG. Magnetic trigger for a selectively operative switch. 4,808,952, 2-28-89, Cl. 335-41.000.

Berner, Klaus, to Siemens Aktiengesellschaft. Overload protector for a robot. 4,822,200, 4-18-89, Cl. 403-229.000.

Berner, Klaus, to Siemens Aktiengesellschaft. Overload protector for a robot arm. 4,860,144, 8-22-89, Cl. 361-1.000.

Berner, Paul C., Jr.: *See—*
Galle, Gary L.; and Berner, Paul C., Jr., 4,844,511, Cl. 285-18.000.

Berner, Walter: *See—*
Grassman, Wolfgang; Berner, Walter; and Muller, Gustav, 4,823,340, Cl. 370-58.000.

Bernet, Yvon: *See—*
Combourieu, Michel; Simbille, Nadine; Landes, Marie-Paule; and Bernet, Yvon, 4,803,219, Cl. 514-469.000.

Berneth, Horst; and Jabs, Gert, to Bayer Aktiengesellschaft. Chromogenic 3,1-benzoxazines. 4,831,141, 5-16-89, Cl. 544-90.000.

Berneth, Horst, to Bayer Aktiengesellschaft. Chromogenic 3,1-benzoxazines. 4,835,270, 5-30-89, Cl. 544-73.000.

Berneth, Horst: *See—*
Raue, Roderich; Psaar, Hubertus; and Berneth, Horst, 4,849,30 Cl. 430-110.000.

Bernett, Frank; and Fruge, Tave, to Digital Equipment Corporation. Disk extender baffles. 4,821,130, 4-11-89, Cl. 360-78.040.

Berneuil, Yves R. J.; and Jourdain, Gerard E. A., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Control system for turbojet engine nozzle flaps. 4,817,871, 4-4-89, Cl. 239-265.390.

Berney, Jean-Claude, to U.S. Philips Corp. Method of analyzing the voltage induced in an exciter coil of a stepping motor. 4,800,334, 1-24-89, Cl. 324-158.0MG.

Berney, Sheldon, to Reliance Products, Division of Larson Marine Group Limited. Cover for plastic container. 4,856,674, 8-15-89, Cl. 220-258.000.

Bernhard, Al E.: *See—*
Scuitto, Thomas J.; Scuitto, Theodore J.; and Bernhard, Al E., 4,845,041, Cl. 436-172.000.

Bernhard, Kurt; Jaggli, Stephan; Kreienbuhl, Paul; and Schwieter, Ulrich, to Hoffmann-La Roche Inc. Sulfone polyene intermediates. 4,883,887, 11-28-89, Cl. 549-341.000.

Bernhard, Otto: *See—*
Feuerstein, Dieter W.; and Bernhard, Otto, 4,805,108, Cl. 364-433.000.

Bernhardsson, Sven-Olov; Eriksson, Hans F.; Norberg, Sven P.; Forsell, Lars O. H.; and Lindqvist, Nils R., to Santrade Limited. Ferritic austenitic stainless steel. 4,798,635, 1-17-89, Cl. 148-325.000.

Bernhardt, Bruno; and Kedzierski, Heinrich, to WABCO Westinghouse Steuerungstechnik GmbH. Sealing device. 4,875,405, 10-24-89, Cl. 92-194.000.

Bernhardt, Bruno; Hessner, Anton; and Krug, Rainer, to Ieg Industrie Engineering GmbH. Method of and arrangement for driving volatile impurities from ground. 4,886,119, 12-12-89, Cl. 166-267.000.

Bernhardt, Floyd V. Golf putter balance-revealing apparatus. 4,866,979, 9-19-89, Cl. 73-65.000.

Bernhardt, Gunther; and Hanisch, Horst. Water-soluble polymers bearing quaternary ammonium or pyridinium groups and alkoxysilyl groups, a method for their preparation, and the use thereof. 4,851,48 8-1-89, Cl. 525-326.500.

Bernhardt, Gunther; and Hanisch, Horst, to Dynamit Nobel Aktiengesellschaft. Casting resins on the basis of acrylic acid esters. 4,868,239, 9-19-89, Cl. 524-506.000.

Bernhardt, Randal J.; and Ferrell, William J., to Stepan Company. N-phenylphthalisoimides as ultraviolet radiation absorbers. 4,857,3 8-15-89, Cl. 424-59.000.

Bernhardt, Siegfried; Knake, Alfred; and Schmiedgen, Hans. Carder for manufacturing non-wovens from fibrous material. 4,852,217, 8-1-89, Cl. 19-98.000.

Bernhardt, Wolfgang; and Tischer, Michael, to Robert Bosch GmbH. Plunger system for modulating a brake pressure. 4,798,421, 1-17-89, Cl. 303-115.000.

Bernhardt, Wolfgang; and Friedow, Michael, to Robert Bosch GmbH. Apparatus for damping courses of motion. 4,800,995, 1-31-89, Cl. 188-319.000.

Bernhardt, Wolfgang; and Wetzel, Gerhard, to Robert Bosch GmbH. Anti-skid and drive slip control system. 4,861,116, 8-29-89, Cl. 303-100.000.

Bernheim, Willy: *See—*
Deiner, Hans; Sandner, Bernhard; Mosch, Franz; and Bernheim, Willy, 4,834,764, Cl. 8-115.640.

Berni, Ralph J.: *See—*
Domelsmith, Linda N.; Rousselle, Marie-Alice; and Berni, Ralph J., 4,832,751, Cl. 134-28.000.

Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., to Tandem Computers Incorporated. Input-/output system for multiprocessors. 4,821,170, 4-11-89, Cl. 364-200.000.

Bernier, Coral A.; and Swanson, Douglas E., to Boeing Company, The. Ejection seat haulback system. 4,871,131, 10-3-89, Cl. 244-122.0AG.

Bernier, Denis; and Simard, Jean-Francois, to Cyclopark Inc. Bicycle anti-theft device. 4,807,453, 2-28-89, Cl. 70-233.000.

Bernier, Fredric H.: *See—*
Janisch, Darrel R.; and Bernier, Fredric H., 4,862,850, Cl. 123-198.0DC.

Bernier, Glauco M.: *See—*
Bresson, Rene; and Bernier, Glauco M., 4,861,949, Cl. 200-5.00R.

Bernier, Jean-Claude; Poix, Paul J. L.; Rehspringer, Jean-Luc; Vilmin, Gabriel G. J.; and Vilminot, Serge, to Centre National de la Recherche Scientifique. Low-temperature sinterable cordierite type ceramic powder, preparation process and ceramic composition produced by sintering this powder. 4,888,314, 12-19-89, Cl. 501-119.000.

Bernier, Michel M. Molded sound box for violin and the like. 4,836,076, 6-6-89, Cl. 84-275.000.

Bernier, Paul. Swath treating attachment for a swather. 4,858,419, 8-22-89, Cl. 56-189.000.

Berninger, Mark; and Schuette, Michael, to Life Technologies, Inc. Electrophoresis apparatus. 4,830,725, 5-16-89, Cl. 204-299.00R.

Berninger, Mark S.: *See—*
Flesher, Robert W.; Berninger, Mark S.; and Blakesley, Robert W., 4,889,610, Cl. 204-299.00R.
Hartley, James L.; and Berninger, Mark S., 4,808,519, Cl. 435-6.000.

Berniola Gil, Antonio. Seal for the lower edge of doors and the like. 4,852,302, 8-1-89, Cl. 49-482.000.

Bernitt, Charles J.; and Mon, Paul J., to Eastman Kodak Company. Write-protected data storage disk assembly. 4,819,114, 4-4-89, Cl. 360-133.000.

Bernklau, Kurt: *See—*
Reinehr, Ulrich; Bernklau, Kurt; Herbertz, Toni; Jungverdorben, Hermann-Josef; and Burghartz, Hans K., 4,810,448, Cl. 264-177.130.

Bernot, Anthony J.; and Johnson, Michael J., to Honeywell Inc. Apparatus and method for providing a gray scale capability in a liquid crystal display unit. 4,840,460, 6-20-89, Cl. 350-333.000.

Bernot, Ronald J. Light actuated curtain puller. 4,864,201, 9-5-89, Cl. 318-480.000.

Berns, Donald S.: *See—*
Almog, Rami; Anderson-Samsonoff, Carol; and Berns, Donald S., 4,839,294, Cl. 436-71.000.

Berns, Everhardus G.: *See—*
Van Kemenade, Johannes T. C.; De Hair, Johannes T. W.; and Berns, Everhardus G., 4,800,319, Cl. 313-487.000.

Berns, Joseph F. Machine for forming a chamfered edge on a workpiece. 4,798,109, 1-17-89, Cl. 82-2.00R.

Bernstein, Bruce M.: *See—*
Haefner, Kenneth B.; Bernstein, Bruce M.; Carey, Bernard J.; and Overton, Kenneth J., 4,861,960, Cl. 219-110.000.

Bernstein, David: *See—*
Olsen, Duane A.; and Bernstein, David, 4,853,335, Cl. 436-527.000.

Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G. Digital data processing system incorporating apparatus for resolving names. 4,803,619, 2-7-89, Cl. 364-200.000.

Bernstein, David M.; and Fleissner, Hermut, to Research & Consulting Co. A.G. Modular inhalation tower for laboratory animals. 4,860,741, 8-29-89, Cl. 128-204.180.

Bernstein, Debra; and Keller, James B., to Digital Equipment Corporation. Method and apparatus for accelerated addition of sliced addends. 4,878,193, 10-31-89, Cl. 364-768.000.

Bernstein, Elliot, to Bel Fuse Inc. Fuse block. 4,837,546, 6-6-89, Cl. 337-272.000.

Bernstein, Elliot, to Bel Fuse, Inc. Surface mounted coil. 4,866,573, 9-12-89, Cl. 361-400.000.

Bernstein, Gary; and Ferry, David K., to Arizona Board of Regents. Lateral surface superlattice having negative differential conductivity novel process for producing same. 4,872,038, 10-3-89, Cl. 357-4.000.

Bernstein, Gary; Ferry, David K.; and Liu, Wenping, to Arizona Board of Regents. Developer solutions for PMMA electron resist. 4,877,716, 10-31-89, Cl. 430-309.000.

Bernstein, Howard; Wheatley, Margaret A.; and Langer, Robert S., to Massachusetts Institute of Technology. Extracorporeal reactors containing immobilized species. 4,863,611, 9-5-89, Cl. 210-661.000.

Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, to American Telephone and Telegraph Company; American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Personal memory card having a contactless interface using differential data transfer. 4,795,898, 1-3-89, Cl. 235-487.000.

Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, to American Telephone and Telegraph Company; American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Card reader/writer station for use with a personal memory card using differential data transfer. 4,798,322, 1-17-89, Cl. 235-487.000.

Bernstein, Joel; and Spinner, Samuel, to Elisra Electronic Systems Ltd. Waveguide-fed microwave system particularly for cavity-backed spiral antennas for the Ka band. 4,797,684, 1-10-89, Cl. 343-895.000.

Bernstein, Lawrence A. Universal wheeled chair. 4,825,971, 5-2-89, Cl. 180-65.100.

Bernstein, Linda A.; and Gordon, Robert L., to International Paper Company. Microwave container assembly. 4,877,932, 10-31-89, Cl. 219-10.55E.

Bernstein, Linda A.: *See—*
Gordon, Robert L.; and Bernstein, Linda A., 4,836,383, Cl. 206-611.000.

Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., to ICI Americas Inc. Indole and indazole keto sulphones as leukotriene antagonists. 4,837,235, 6-6-89, Cl. 514-234.500.

Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., to ICI Americas Inc. Heterocyclic amide derivatives and pharmaceutical use. 4,859,692, 8-22-89, Cl. 514-381.000.

Bernstein, Pierre: *See—*
Roze, Danielle; Coirre, Marie-Monique; Rio, Francois; and Bernstein, Pierre, 4,868,010, Cl. 427-130.000.

Bernstine, Edward G.: *See—*
Reddy, Vermuri B.; Hsiung, Nancy; Beck, Anton K.; and Bernstine, Edward G., 4,840,896, Cl. 435-68.000.

Berntsen, Bjarne K.; Prebensen, Mads F.; and Ploug, Ole, to Danfoss A/S. Regulating device for the superheat temperature of the evaporator of a refrigeration or heat pump installation. 4,845,956, 7-11-89, Cl. 62-225.000.

Berntson, Leslie G.: *See—*
Gibb, James L.; Laird, James A.; and Berntson, Leslie G., 4,869,960, Cl. 428-405.000.

Berol Kemi AB: *See—*
Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, 4,795,578, Cl. 252-61.000.
Hellsten, Martin; and Klingberg, Anders, 4,828,687, Cl. 209-166.000.
Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, 4,830,739, Cl. 209-166.000.
Hellsten, Martin, 4,876,122, Cl. 428-34.100.
Holmberg, Krister; and Osterberg, Eva, 4,831,176, Cl. 558-186.000.
Holmberg, Krister; and Osterberg, Eva, 4,839,287, Cl. 435-135.000.
Koll, Juhan, 4,855,505, Cl. 564-398.000.
Koll, Juhan, 4,863,890, Cl. 502-230.000.
Mathiesen, Mait M.; Gillberg, Lars I.; Hellsten, Karl M. E.; and Karlsson, Gunvor B. T., 4,887,383, Cl. 44-51.000.

Berol Nobel Nacka AB: *See—*
Lundin, Claes O. A.; Larsson, Erik M.; and Akermark, Bjorn J. E., 4,859,794, Cl. 560-302.000.

Berol Suisse S.A.: *See—*
Sandberg, Elina; and Skold, Rolf, 4,828,736, Cl. 252-49.300.
Sandberg, Elina; and Skold, Rolf, 4,828,737, Cl. 252-49.300.

Berova, Nikolina D.: *See—*
Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalieva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Maiov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.

Berquist, John F., to Cognitive Solutions, Inc. Bar code printer. 4,884,904, 12-5-89, Cl. 400-120.000.

Berrebi, Georges: *See—*
Ackermann, Francois; and Berrebi, Georges, 4,839,011, Cl. 209-2.000.

Berrehail, Mohamed. Device for abduction of upper limbs. 4,836,195, 6-6-89, Cl. 128-83.000.

Berrenberg, John L. Attachment and reinforcement member for molded construction forms. 4,879,855, 11-14-89, Cl. 52-309.110.

Berret, Jean; and Chalain, Francois, to Chantiers Beneteau. Device for terminating a stay. 4,829,927, 5-16-89, Cl. 114-90.000.

Berrett, Thomas R., to Browneline (U.K.) Limited. Extenders for aircraft pallets. 4,796,539, 1-10-89, Cl. 108-55.100.

Berrettini, Bruce J.; Bucci, Donald P.; and Hollopeter, Roy D., to Air Products and Chemicals, Inc. Automatic precision liquid loading control method. 4,805,672, 2-21-89, Cl. 141-5.000.

Berrido, Colin: *See—*
Kelly, Petrina M.; and Berrido, Colin, 4,824,827, Cl. 512-1.000.

Berrod, Gerard: *See—*
Vinot, Bernard; Berrod, Gerard; and Brun, Jean-Louis, 4,799,549, Cl. 166-293.000.

Berroth, Karl: *See—*
Linsner, Otmar; and Berroth, Karl, 4,812,334, Cl. 427-369.000.

Berruti, Pierangelo, to Ing. C. Olivetti & C., S.p.A. Two-color printer. 4,856,922, 8-15-89, Cl. 400-145.200.

Berruyer, Yves. Method of monitoring to anticipate the triggering of an alarm. 4,825,195, 4-25-89, Cl. 340-501.000.

Berruyer, Yves. Process for compression of a data set. 4,855,941, 8-8-89, Cl. 364-550.000.

Berruyer, Yves: *See—*

Valero, Robert; Mounier, Jean-Pierre; and Berruyer, Yves, 4,866,445, Cl. 341-106.000.

Berry, Arnold R. Spray gun reciprocating device. 4,838,492, 6-13-89, Cl. 239-752.000.

Berry, Clark W.: *See—*

Burger, Walter; Liebman, Arnold A.; and Berry, Clark W., 4,869,895, Cl. 424-1.100.

Berry, David A.: *See—*

Cook, Phillip D.; and Berry, David A., 4,801,698, Cl. 536-28.000.

Berry, David F.: *See—*

Klar, Erhard; Svilar, Mark; and Berry, David F., 4,861,373, Cl. 75-244.000.

Berry, David J.: *See—*

Stoeckli, Oscar W.; and Berry, David J., 4,871,564, Cl. 426-388.000.

Berry, Dickey J.: *See—*

Berry, Marilee G.; and Berry, Dickey J., 4,880,315, Cl. 383-39.000.

Berry, Gaylord; Mortensen, J. D.; and Rigby, Larry D., to Cardiopulmonics, Inc. Apparatus and method for extrapulmonary blood gas exchange. 4,850,958, 7-25-89, Cl. 604-26.000.

Berry, Georges; Woillez, Jean-Paul; and Lohier, Herve , to Thomson-CSF. Digital switching system. 4,866,700, 9-12-89, Cl. 370-58.100.

Berry, Ira R.: *See—*

Cohen, Jonathan M.; Berry, Ira R.; and Borkan, Lionel, 4,795,642, Cl. 424-455.000.

Berry, James E.: *See—*

Begin, John D.; Berry, James E.; and Kretzmer, Paul D., 4,839,819, Cl. 364-483.000.

Berry, John C.: *See—*

Keir, Alexander S.; and Berry, John C., 4,811,190, Cl. 363-60.000.

Berry, John P.; and Annis, David, to Ethicon, Inc.; and University of Liverpool, The. Method of manufacturing synthetic vascular grafts. 4,883,453, 11-28-89, Cl. 600-36.000.

Berry, John P.: *See—*

Annis, David; and Berry, John P., 4,842,505, Cl. 425-174.80E.

Berry, John R.; and Chon, David N., to National Ecology, Inc. Disc screen separator device. 4,871,073, 10-3-89, Cl. 209-672.000.

Berry, Kirk H.; and Mostafa, Asghar, to Data General Corporation. Methods and apparatus for allocating time slots and fragments on communications lines between adjacent nodes in a high granularity switching system. 4,852,089, 7-25-89, Cl. 370-95.000.

Berry, L. Paul: *See—*

Hoffer, Jerry M.; Brasington, Mitchell R.; and Berry, L. Paul, 4,816,033, Cl. 8-158.000.

Berry, Marilee G.; and Berry, Dickey J. Roll-up carrying bag with adjustable compartments. 4,880,315, 11-14-89, Cl. 383-39.000.

Berry, Mark D.; Tan, Robert J.; and Garver, Robert V., to United States of America, Army. High power microwave expander for producing fast rise time pulses. 4,875,022, 10-17-89, Cl. 333-20.000.

Berry, Mark D.; Brisker, Henry C.; and Cuneo, Andrew A., Jr., to United States of America, Army. Device for measuring seam resistance. 4,888,546, 12-19-89, Cl. 324-64.000.

Berry Products Corporation: *See—*

Berry, Ronald L.; and Scholes-Witty, Linda J., 4,807,563, Cl. 119-1.000.

Berry, Richard C., to Cooper Industries, Inc. Explosion proof electrical conduit sealing fitting. 4,840,194, 6-20-89, Cl. 138-155.000.

Berry, Robert F.: *See—*

Hutchens, Wilbur D.; Berry, Robert F.; and Leger, Kurt J., 4,846,213, Cl. 137-241.000.

Berry, Robert F., Jr. Adapter tip for remote measuring device. 4,825,259, 4-25-89, Cl. 356-241.000.

Berry, Robert L., to Hughes Aircraft Company. Linear motor arrangement with center of mass balancing. 4,831,292, 5-16-89, Cl. 310-15.000.

Berry, Robert L.; and Siciliano, Samuel G., to Hughes Aircraft Company. Cryogenic refrigerator having a regenerator with primary and secondary flow paths. 4,846,861, 7-11-89, Cl. 62-6.000.

Berry, Robert W., III, to Audiosone, Inc. Combined audible and visual alarm system. 4,881,058, 11-14-89, Cl. 340-326.000.

Berry, Ronald F., to Pilkington plc. Method and apparatus for coating glass. 4,857,097, 8-15-89, Cl. 65-60.520.

Berry, Ronald L.; and Scholes-Witty, Linda J., to Berry Products Corporation. Self-contained, disposable, sanitary toilet facility for pets. 4,807,563, 2-28-89, Cl. 119-1.000.

Berry, Stephen R.; and Wright, Steven F., to Molex Incorporated. Automated crimped wire harness fabricator. 4,825,537, 5-2-89, Cl. 29-747.000.

Berry, W. Wes; Schmeda, Rae A.; and Kibler, Holly S., to Advanced Separation Technologies Incorporated. Process for continuous contacting of fluids and solids. 4,808,317, 2-28-89, Cl. 210-660.000.

Berry, Wayne F. Integrated voice data workstation. 4,864,601, 9-5-89, Cl. 379-96.000.

Berry, Yale J. Method of stopping nose bleeds. 4,820,266, 4-11-89, Cl. 604-54.000.

Berry, Yale J. Instrument for illuminated sterescopic viewing of body cavities. 4,836,188, 6-6-89, Cl. 128-6.000.

Berryhill, John R.; and Wride, John C., to Exxon Production Research Company. Method of 3-D seismic imaging for structures with approximate circular symmetry. 4,803,668, 2-7-89, Cl. 367-72.000.

Berryman, Leslie N.: *See—*

Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Hermemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.

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Magni, Ambrogio; and Bersanetti, Erik, 4,824,885, Cl. 524-120.000.

Neri, Carlo; Nodari, Nereo; Bersanetti, Erik; and Sandre, Giovanni, 4,810,579, Cl. 428-405.000.

Bersani, Pierre, to PARTEUROSA, Societe Anonyme. Container. 4,835,922, 6-6-89, Cl. 52-228.000.

Bersano, Bruno, to W. R. Grace & Co. Sealing compound. 4,801,418, 1-31-89, Cl. 264-268.000.

Bersch, Horst; Kilian, Karl-Heinz; and Weigel, Hans U., to Rasselstein AG. Method for electroplating a steel strip with a coating metal, in particular zinc or a zinc-containing alloy. 4,855,021, 8-8-89, Cl. 204-28.000.

Berschauer, Friedrich: *See—*

Boshagen, Horst; Stoltefuss, Jurgen; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,806,667, Cl. 556-424.000.

Ingendoh, Axel; Lindel, Hans; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,847,291, Cl. 514-524.000.

Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,845,262, Cl. 558-415.000.

Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,863,939, Cl. 514-357.000.

Lindel, Hans; Ingendoh, Axel; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,880,840, Cl. 514-645.000.

Berscheid, Hans G.; Bottger, Dirk; and Kraemer, Hans P., to Hoechst Aktiengesellschaft. Anthracycline tetrasaccharides. 4,795,808, 1-3-89, Cl. 536-6.400.

Bershas, James P.; and Tobias, Russell H., to Owens-Corning Fiberglas Corporation. Aminated hydroxylated polyester polyol resin and molding compositions comprised thereof. 4,868,267, 9-19-89, Cl. 528-73.000.

Bershas, James P.; and Tobias, Russell H., to Owens-Corning Fiberglas Corporation. Aminated hydroxylated polyester polyol resin and molding compositions comprised thereof. 4,874,837, 10-17-89, Cl. 528-291.000.

Berson, William; Gluck, Julius; Murphy, Patrick; and Tran, Duc H., to Pitney Bowes Inc. Thermal transfer printing process. 4,860,025, 8-22-89, Cl. 346-1.100.

Berson, Xavier; Bouyssou, Michel; Castel, Yves; Chaumont, Daniel; and Gudin, Claude, to Commissariat a l'Energie Atomique. Apparatus for the intensive, controlled production of microorganisms by photosynthesis. 4,868,123, 9-19-89, Cl. 435-290.000.

Bersonnet, George B.; and Schumway, Dante L., to Weslo, Inc. Exercise cycle with locking mechanism. 4,844,451, 7-4-89, Cl. 272-73.000.

Berstein, Garri; Obrig, Hans W.; Wittkopp, Helmut; and Wolters, Hermann, to Wilhelm Hegenscheidt Gesellschaft mbH. Method and apparatus for performing a rotary broaching operation particularly on work pieces of rotational symmetry. 4,799,839, 1-24-89, Cl. 409-244.000.

Berstein, Garri; Obrig, Hans W.; and Wittkopp, Helmut, to Wilhelm Hegenscheidt Gesellschaft mbH. Turn broaching tool. 4,861,204, 8-29-89, Cl. 409-200.000.

Bert, Alain: *See—*

Camiade, Marc; Bert, Alain; and Savary, Pierre, 4,868,526, Cl. 331-117.0FE.

Mamodaly, Narquise; and Bert, Alain, 4,839,712, Cl. 357-51.000.

Bert, Brian J., to American Device Manufacturing Company. Door latch. 4,819,976, 4-11-89, Cl. 292-48.000.

Bert, Raymond E. Cooling apparatus. 4,827,628, 5-9-89, Cl. 34-65.000.

Bert, Stephen F., to Textron, Inc. End connector for expansible watch band. 4,837,901, 6-13-89, Cl. 24-265.00B.

Berta, Norbert I., to McNeilab, Inc. Gelatin coated caplets and process for making same. 4,820,524, 4-11-89, Cl. 424-474.000.

Berta, Norbert I., to McNeilab, Inc. Method for double dipping gelatin coated caplets. 4,867,983, 9-19-89, Cl. 424-451.000.

Berta, Victor T. Method for exterminating subterranean animals. 4,833,818, 5-30-89, Cl. 43-124.000.

Bertagnoli, Leopoldo, to Orizio Paolo S.p.A. Knitting or hosiery machine with electronic-controlled, electromechanically actuated selection of the needles. 4,799,366, 1-24-89, Cl. 66-219.000.

Bertagnoli, Leopoldo, to Orizio Paolo S.p.A. Universal double-cylinder, multi-yarn-feed circular knitting machine. 4,879,884, 11-14-89, Cl. 66-14.000.

Bertagnolli, Emmerich; and Weger, Peter, to Siemens Aktiengesellschaft. Bipolar transistor structure for very high speed circuits and method for the manufacture thereof. 4,889,823, 12-26-89, Cl. 437-31.000.

Bertalan, Charles W.: *See—*

Cunningham, Colin W.; Malits, Steven J.; and Bertalan, Charles W., 4,869,917, Cl. 426-576.000.

Bertalan, Philippe, to Thomson-CSF. Method for making an ultra-high frequency transition between two orthogal guided structures and ultra-high frequency device with a transition of this type. 4,887,34 12-19-89, Cl. 29-600.000.

Bertaud, Yves, to Aluminium Pechiney. Process for the preparation of mother alloys of iron and neodymium by electrolysis of oxygen-bearing salts in a medium of molten fluorides. 4,828,658, 5-9-89, Cl. 204-71.000.

Berte, Michel; Francillon, Eric; and Chiarelli, Gerard, to Novatome. Nuclear reactor core and process for charging said core. 4,851,18 7-25-89, Cl. 376-364.000.

Bertek, Inc.: *See—*

Kasper, Klaus B.; and Yip, Tom, 4,854,995, Cl. 156-243.000.

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Bertelli, Guido; Busi, Patrizia; and Locatelli, Renato, to HIMONT Incorporated. Complexes of bismuth or antimony halides with amines, suitable as flame retardants for polymers, and polymer compositions containing same. 4,798,857, 1-17-89, Cl. 524-93.000.

Bertelli, Guido; and Locatelli, Renato, to Himont Inc. Polymeric compositions endowed with self-extinguishing properties containing melamine bromohydrate. 4,833,186, 5-23-89, Cl. 524-100.000.

Bertels, Ludger: *See—*

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Bertelsen, Robert A.; and Paulson, David J., to Osmonics, Inc. Tapered, spirally wound filter cartridge and method of making same. 4,839,037, 6-13-89, Cl. 210-97.000.

Bertelsen, Robert A.; and Olsen, Douglas L., to Osmonics, Inc. Crossflow filtration membrane test unit. 4,846,970, 7-11-89, Cl. 210-232.000.

Bertelsmeier, Manfred: *See—*

Doering, Karlheinz; Grimm, Karl J.; and Bertelsmeier, Manfred, 4,847,833, Cl. 370-85.000.

Berth, Jorgen: *See—*

Puigcerver, Luis; Shimirak, Gerald; and Berth, Jorgen, 4,880,676, Cl. 428-35.700.

Bertha, Josef, to Austria Metall Aktiengesellschaft. Hydrometallurgical process for the recovery of silver from copper electrolysis anode sludge. 4,874,429, 10-17-89, Cl. 75-118.00R.

Berthagen, Leif: *See—*

Karlsson, Bertil; and Berthagen, Leif, 4,800,007, Cl. 204-196.000.

Berthel, Robert O., to United States of America, Air Force. Process for the elimination of noise from data. 4,884,440, 12-5-89, Cl. 73-170.00R.

Berthelius, Rolf; and Fredriksson, Tommy, to Kanthal AB. Foil element. 4,797,537, 1-10-89, Cl. 219-528.000.

Berthet, Olivier; Greffet, Jean-Jacques; and Denayrolles, Yves, to Electricite de France Service National; and Ecole Centrale des Arts et Manufactures de Paris. Process for measuring the temperature of a body by optical detection and modulated heating. 4,799,788, 1-24-89, Cl. 356-45.000.

Berthold, Fritz; and Lohr, Willy, to Laboratorium Prof. Dr. Rudolf Berthold. Measuring instrument for bioluminescence and chemilumnescence or turbidimetry. 4,863,690, 9-5-89, Cl. 422-52.000.

Berthold, John W.; and Carter, H. Randy, to Babcock & Wilcox Company, The. Consumable electrode length monitor based on optical time domain reflectometry. 4,843,234, 6-27-89, Cl. 250-227.000.

Berthold, Richard: *See—*

Louis, William J.; Berthold, Richard; and Stoll, Andre, 4,816,604, Cl. 564-349.000.

Berthold, Werner; Marx, Paul; and Ohlschlager, Hans, to Agfa-Gevaert Aktiengesellschaft. Stabilization of a photographically produced silver image. 4,886,737, 12-12-89, Cl. 430-372.000.

Berthon, Patrick; and Guion, Christian, to Flonic. System for controlling metered parking. 4,876,540, 10-24-89, Cl. 340-932.200.

Berthoud S.A.: *See—*

Nissels, Robert, 4,838,490, Cl. 239-333.000.

Berticevich, Edward N.: *See—*

Chu, Yen C.; Berticevich, Edward N.; and Soldenwagner, Max J., 4,800,838, Cl. 118-505.000.

Bertignoll, Friedrich; and Pocock, Mark W., to Northern Telecom Limited; and Bell-Northern Research Limited. Electrostatic discharge protector for an electret microphone. 4,817,164, 3-28-89, Cl. 381-189.000.

Bertiller, Roland, to Mauser-Werke Oberndorf GmbH. Adapter cartridge for insertion tube systems. 4,796,535, 1-10-89, Cl. 102-446.000.

Bertiller, Roland; Maier, Roland; and Weisser, Harald, to Mauser-Werke Oberndorf GmbH. Insert barrel with adjusting device. 4,872,390, 10-10-89, Cl. 89-29.000.

Bertin & Cie: *See—*

Carpentier, Jean-Claude; Michel, Bernard; and Sayers, Kenneth H., 4,886,254, Cl. 267-148.000.

de Goncourt, Louis, and Sayers, Kenneth H., 4,854,606, Cl. 280-699.000.

de Goncourt, Louis, 4,869,472, Cl. 267-52.000.

Deysson, Jean-Yves; Karian, Jacques; Malgrat, Philippe; and Blondeau, Michel, 4,859,121, Cl. 406-114.000.

Facon, Pierre, 4,878,417, Cl. 91-363.00R.

Jannot, Marcel A. J.; and Patureau, Jean-Pierre, 4,857,704, Cl. 219-354.000.

Lequime, Michel; and Millet, Jocelyn, 4,836,674, Cl. 356-319.000.

Lequime, Michel, 4,867,565, Cl. 356-351.000.

Millet, Jocelyn; and Debrie, Jean, 4,847,509, Cl. 250-560.000.

Pavlin, Cyrille F.; and Prevost, Marc, 4,798,461, Cl. 356-138.000.

Roth, Bernard M.; Neveu, Daniel R. M.; and Delikat, Catherine, 4,856,911, Cl. 374-135.000.

Volat, Jean-Pierre, 4,867,430, Cl. 271-2.000.

Bertin & Cie, B.P.: *See—*

Lequime, Michel, 4,814,604, Cl. 250-227.000.

Bertin, Claude L.; and Kotecha, Harish N., to International Business Machines Corporation. Multiple ROM data state, read/write memory cell. 4,805,142, 2-14-89, Cl. 365-100.000.

Bertin, Patrice; Sevennec, Yvon; and Pankowiak, Christian, to Valeo. Device for controlling a coupling mechanism such as a clutch. 4,828,093, 5-9-89, Cl. 192-90.000.

Bertin, Patrice: *See—*

Grunberg, Pierre; Mouza, Jean-Claude; and Bertin, Patrice, 4,829,221, Cl. 318-587.000.

Bertin, Robert; Miller, Michael B.; Moon, Burl M.; and Post, Robert C., to Air Products and Chemicals, Inc. Method of preparing silicon carbide capillaries. 4,861,533, 8-29-89, Cl. 264-81.000.

Bertini, Millo. Device for machining a sealing groove on an engine block. 4,876,931, 10-31-89, Cl. 82-128.000.

Bertini, Vincenzo; De Munno, Angela; Lucchesini, Francesco; Buffoni, Franca; and Bertocci, Barbara, to Consiglio Nazionale Delle Ricerche. Selective inhibitors of benzylaminoxidases with respect to other aminoxidases. 4,888,283, 12-19-89, Cl. 435-184.000.

Bertkau, Geoffrey: *See—*

Boniello, Barbara; Gum Jr., Ernest; Scarpellino, Richard; Doonan, Barbara; Patterson, John; and Bertkau, Geoffrey. 4,867,992, Cl. 426-45.000.

Bertke, Heinrich: *See—*

Roese, Horst; Bertke, Heinrich; Bruggemann, Reinhard; and Hampel, Peter, 4,856,331, Cl. 73-268.000.

Bertke, James H.: *See—*

Nash, Dudley O.; Knight, Glenn L., Jr.; and Bertke, James H., 4,840,026, Cl. 60-271.000.

Reigel, James R.; Corsmeier, Robert J.; Bertke, James H.; and Lenahan, Dean T., 4,882,902, Cl. 60-39.750.

Bertleff, Werner; Maerkl, Robert; Magnussen, Peter; Kuehn, Gebhard; and Stops, Peter, to BASF Aktiengesellschaft. Treatment of aqueous solutions obtained in the carbalkoxylation of olefinically unsaturated compounds. 4,861,895, 8-29-89, Cl. 546-353.000.

Bertling, Hannes; and Siegel, Heinz, to Robert Bosch GmbH. Automatic drive slip regulating unit. 4,818,039, 4-4-89, Cl. 303-113.000.

Bertling, Hannes; Mergenthaler, Robert; Schmitt, Edgar; and Siegel, Heinz, to Robert Bosch GmbH. Brake booster for vehicles. 4,860,636, 8-29-89, Cl. 91-376.00R.

Bertling, Hannes: *See—*

Abbing, Andreas; Bertling, Hannes; Kehl, George; Mergenthaler, Robert; Rischen, Dietmar; Schafer, Ernst-Dieter; Schmitt, Edgar; and Siegel, Heinz, 4,882,976, Cl. 91-376.00R.

Berding, Josef; Bertling, Hannes; Lees, Thomas; and Pabst, Carsten, 4,878,519, Cl. 138-31.000.

Bertness Enterprises, Inc.: *See—*

Bertness, Theodore A.; and Lipoma, Samuel P., 4,877,536, Cl. 210-712.000.

Bertness, Theodore A.; and Lipoma, Samuel P., to Bertness Enterprises, Inc. Method of treating saline water. 4,877,536, 10-31-89, Cl. 210-712.000.

Bertocchio, Rene: *See—*

Gautier, Martine; Rico, Isabelle; Lattes, Armand; and Bertocchio, Rene, 4,855,025, Cl. 204-157.860.

Bertocci, Barbara: *See—*

Bertini, Vincenzo; De Munno, Angela; Lucchesini, Francesco; Buffoni, Franca; and Bertocci, Barbara, 4,888,283, Cl. 435-184.000.

Bertoglio, Guido; Boyle, Michael C.; Cooney, James S.; and Walkup, William B., to Augat Inc. Leadless component socket. 4,838,801, 6-13-89, Cl. 439-83.000.

Bertok, Bela: *See—*

Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.

Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Gareth T.; Robertson, Brian W.; and Watts, Peter D., to Gist-Brocades N.V.; and Shell Internationale Research Maatschappij B.V. Process for the preparation of a pharmaceutically active compound in a stereospecific form of the formula. 4,886,750, 12-12-89, Cl. 435-136.000.

Bertolacini, Ralph J.; Hirschberg, Eugene H.; and Modica, Frank S., to Amoco Corporation. Process for removing sulfur oxides from a gas. 4,836,993, 6-6-89, Cl. 423-244.000.

Bertolami, Charles N.: *See—*

Gay, Thomas; Bertolami, Charles N.; and Solonche, David J., 4,836,218, Cl. 128-773.000.

Bertolini, Guglielmo: *See—*

Roggero, Arnaldo; Bertolini, Guglielmo; and Busetto, Carlo, 4,797,451, Cl. 525-332.900.

Roggero, Arnaldo; Clerici, Mario; and Bertolini, Guglielmo, 4,833,211, Cl. 525-333.300.

Roggero, Arnaldo; and Bertolini, Guglielmo, 4,853,440, Cl. 525-338.000.

Bertolini, Robert; and Arveson, Bernard A., to Paper Converting Machine Company. Folding apparatus and method. 4,822,328, 4-18-89, Cl. 493-425.000.

Bertolini, William A. Cabinet restraint system for cargo container. 4,860,913, 8-29-89, Cl. 220-1.500.

Bertolotti, Franco, to Montedison S.p.A. Cutting device for hot granulation of thermoplastic polymers. 4,800,792, 1-31-89, Cl. 83-356.300.

Bertolotti, Luigi, to Nuova Italsider SpA; and Bertolotti S.p.A. Machine for wrapping metal strip coils. 4,819,408, 4-11-89, Cl. 53-211.000.

Bertolotti S.p.A.: *See—*

Bertolotti, Luigi, 4,819,408, Cl. 53-211.000.

Berton, Pierre: *See—*

Allard, Pierre; Lefebvre, Robert; Vallee, Daniel; and Berton, Pierre, 4,852,348, Cl. 60-270.100.

Bertoncini, Joseph, to Biomedical Research and Development Laboratories, Inc. Tubeless cell harvester. 4,879,431, 11-7-89, Cl. 435-311.000.

Bertone, Antonino; and Ippolito, Luigi P., to Fiat Auto S.p.A. Anti-skid brake control system. 4,807,946, 2-28-89, Cl. 303-115.000.

Bertone, Leone: *See—*

Cozzi, Paolo; Pillan, Antonio; Bertone, Leone; and Lovisolo, Pier P., 4,801,711, Cl. 544-336.000.

Bertotti, Franco; and Ferrari, Paolo, to SGS Microelecttronica S.p.A. Electronic semiconductor device for protecting integrated circuits against electrostatic discharges. 4,829,344, 5-9-89, Cl. 357-13.000.

Bertotti, Franco; Ferrari, Paolo, and Gatti, Maria T., to SGS-Thomson Microelectronics s.r.l. Saturation limiting system for a vertical, isolated collector PNP transistor and monolithically integrated structure thereof. 4,887,141, 12-12-89, Cl. 357-36.000.

Bertotti, Franco; Cini, Carlo; Contiero, Claudio; and Galbiati, Paola, to SGS Microelecttronica S.p.A. Monolithically integrated semiconductor device containing bipolar junction transistors, CMOS and DMOS transistors and low leakage diodes and a method for its fabrication. 4,887,142, 12-12-89, Cl. 357-43.000.

Bertotti, Franco; Ferrari, Paolo; and Gatti, Maria T., to SGS Microelecttronica S.p.A. Integrated device for shielding charge injection into the substrate, in particular in driving circuits for inductive and capacitive loads. 4,890,149, 12-26-89, Cl. 357-48.000.

Bertram, Dieter: *See—*

Schossler, Werner; Boeden, Hans-Friedrich; Holtzhauer, Martin; Loth, Fritz; Hiepe, Falk; Bertram, Dieter; Mielke, Frank; Muller, Reinhard; and Konjuchowa, Dagmar, 4,822,681, Cl. 428-405.000.

Bertram, Francis; and Kiesling, Douglas A., to Brunswick Corporation. Internal routing of hydraulic fluid for trim cylinders. 4,846,742, 7-11-89, Cl. 440-61.000.

Bertram, Francis E.: *See—*

Meisenburg, Gary L.; Bertram, Francis E.; and Golz, Jack L., 4,872,531, Cl. 184-6.400.

Bertram, Howard W., to Mutech - Music Technologies, Inc. Music teaching apparatus. 4,881,443, 11-21-89, Cl. 84-473.000.

Bertram, James L.; Myles, Willie L.; and Kubisiak, Michael P., to Dow Chemical Company, The. Compositions prepared from dialkanolamines and triglycidyl ethers of trisphenols. 4,800,215, 1-24-89, Cl 523-414.000.

Bertram, Johannes; and Wolzenburg, Heinrich, to Hoechst Aktiengesellschaft. Large roller bearing in the form of a wire bearing. 4,863,294, 9-5-89, Cl. 384-620.000.

Bertram, John R.: *See—*

McCalley, Karl W.; Bertram, John R.; Sloan, Walter W.; and McClure, Rory T., 4,860,123, Cl. 358-342.000.

Bertram, Kurt. Process for producing an additive for lubricants, as well as for aqueous heating medium and fuel systems, as well as the special use possibilities thereof. 4,828,574, 5-9-89, Cl. 44-51.000

Bertram, Leo; Schemmann, Hugo; and Bukoschek, Romuald L., to U.S. Philips Corporation. Dual motor drive arrangement for a small domestic appliance. 4,803,390, 2-7-89, Cl. 310-50.000.

Bertram, Leo; Schemmann, Hugo; Bukoschek, Romuald L.; and Huszar, Reinhard, to U.S. Philips Corp. Method for making the shaving head of a dry-shaving apparatus. 4,807,365, 2-28-89, Cl. 30-346.510.

Bertram, Leo; Schemmann, Hugo; and Diefenbach, Gerhard, to U.S. Philips Corp. Device for improving the stability of rotation of the rotor of a single-phase synchronous motor. 4,812,691, 3-14-89, Cl. 310-41.000.

Bertram, Leo; and Schemmann, Hugo, to U.S. Philips Corporation. Single-phase synchronous motor comprising a two-pole permanent-magnetic rotor and an eddy-current intermediate rotor. 4,827,171, 5-2-89, Cl. 310-162.000.

Bertrams, Josef: *See—*

Grecksch, Hans; Bertrams, Josef; and Bucken, Rene, 4,878,629, Cl. 242-18.0PW.

Bertrand, Alain: *See—*

Hochart, Paul; Pagnucco, Gilbert; Bertrand, Marceau; and Bertrand, Alain, 4,853,520, Cl. 219-535.000.

Bertrand, Claude; and Wolff, Gerard, to Rhone-Poulenc Sante. Acetylsalicylic acid derivative and pharmaceutical composition thereof. 4,849,417, 7-18-89, Cl. 514-162.000.

Bertrand Faure Automobile: *See—*

Bradley, David W.; Melotti, Angelo R.; Lecere, Oliver; and Bonnici, Gerald P., 4,881,774, Cl. 297-341.000.

Lecerf, Olivier, 4,863,289, Cl. 384-47.000.

Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Truchot, Jean-Marc, to Sollac; and Woodward, Gerland Stowe. Rotary conductor roll for continuously electroplating metal strip or other electrically conductive strip. 4,849,083, 7-18-89, Cl. 204-206.000.

Bertrand, Jacques, to Pomagalski S.A. Cable-car with information transmission via the cable. 4,868,887, 9-19-89, Cl. 455-41.000.

Bertrand, John; and Noah, Matthew J., to ITT Corporation. Multi-rate digital voice coder apparatus. 4,890,327, 12-26-89, Cl. 381-38.000.

Bertrand, Marceau: *See—*

Hochart, Paul; Pagnucco, Gilbert; Bertrand, Marceau; and Bertrand, Alain, 4,853,520, Cl. 219-535.000.

Bertrand, Pierre, to Sereg. Corrugated diaphragm for a pressure sensor. 4,809,589, 3-7-89, Cl. 92-98.00R.

Bertrand, Raymond: *See—*

Arteau, Jean; and Bertrand, Raymond, 4,830,341, Cl. 256-65.000.

Bertrand, Rene. Machine for cutting pavement. 4,832,412, 5-23-89, Cl. 299-39.000.

Bertrand, Vic, to Ritvik Group Inc., The. Axle structure and axle joint for construction toy assembly. 4,802,876, 2-7-89, Cl. 446-95.000.

Bertrand, Vic, to Ritvik Group Inc., The. Pictorial block puzzle. 4,809,980, 3-7-89, Cl. 273-157.00R.

Bertrand, Vic, to Ritvik Group Inc., The. Pivot structure and pivot joint for construction toy assemblies. 4,826,464, 5-2-89, Cl. 446-120.000.

Bertrand, William J.: *See—*

Mayhan, Kenneth G.; Romo, Bernice I.; Murtfeldt, Robert L.; and Bertrand, William J., 4,863,445, Cl. 604-317.000.

Bertrix, Michel: *See—*

Plancon, Michel; and Bertrix, Michel, 4,888,507, Cl. 310-40.0MM.

Bertsch, Jack E.; and Kopp, Harold P., to Polytronics, Inc. Circuit tester construction. 4,878,852, 11-7-89, Cl. 439-103.000.

Bertsch, Otto-Karl; and Amthor, Thomas, to Keiper Recaro GmbH & Co. Upholstery support for a vehicle seat. 4,832,408, 5-23-89, Cl. 297-460.000.

Bertsch, Peter: *See—*

Pruitt, Gerald R.; and Bertsch, Peter, 4,873,913, Cl. 92-158.000.

Bertsch, Roger J.; Jarvis, Wilbur W.; and Dingler, Geoffrey L., to Whirlpool Corporation. Tub bottom soil separator for dishwasher. 4,848,382, 7-18-89, Cl. 134-111.000.

Bertz, Hans-Ulrich, to Hofler, Willy. Method and system of testing gear teeth of circular spacing of gear teeth of a gear wheel. 4,841,644, 6-27-89, Cl. 33-179.50R.

Bertz, Hans-Ulrich, to Hofler, Willy. Method and apparatus for checking or testing the profile of gear flanks, particularly of involute gears. 4,852,402, 8-1-89, Cl. 73-162.000.

Beru Ruprecht GmbH & Co. KG: *See—*

Wagner, Eberhard P.; Maly, Rudolf; Loffler, Otto; and Niessner, Werner, 4,795,937, Cl. 313-130.000.

Berveiller, Marcel: *See—*

Eberhardt, Andre; Dominiak, Serge; Berveiller, Marcel; Lucas, Jean P.; and Guyon, Robert P. Y., 4,857,387, Cl. 428-209.000.

Muller, Jean F.; Tollitte, Francois G.; Krier, Gabriel; Dominiak, Serge; Eberhardt, Andre; and Berveiller, Marcel, 4,879,467, Cl. 250-288.000.

Berven, O. Jeffrey; and Meyer, James M., to Koch Engineering Company, Inc. Distributor for liquid-gas contact column and method of preparation and use. 4,816,191, 3-28-89, Cl. 261-97.000.

Bervig, Dale R.: *See—*

Cusick, Joseph B., III; Steuart, Kyle; and Bervig, Dale R. 4,864,099, Cl. 219-137.620.

Berwald, Ernst; and Lewe, Winfried, to Schering Aktiengesellschaft. Safety transport system for hazardous or valuable chemicals. 4,807,777, 2-28-89, Cl. 220-23.830.

Berwind Corporation: *See—*

Fathauer, George H.; and Hood, Charles F., 4,800,755, Cl. 73-304.00C.

Fleckenstein, Phillip P., 4,811,160, Cl. 361-284.000.

Langsetmo, Peder K.; Inoue, Masayuki; Douglas, Robert A.; Konig, Peter M.; and Halasz, Alex, 4,810,099, Cl. 366-168.000.

Ley, Richard A., 4,856,580, Cl. 165-87.000.

Berwing, Klaus; and Schlepper, Martin, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Contrast medium for ultrasonic examinations and process for its preparation. 4,832,941, 5-23-89, Cl. 424-9.000.

Berz, Gerhard; Braun, Hans J.; and Grenz, Guenter, to SMS Schloemann-Siemag Aktiengesellschaft. Wire coiling apparatus with a recovery device for a coiled wire reel. 4,869,437, 9-26-89, Cl. 242-83.000.

Berz, Gerhard, to Sms Schloemann-Siemag Aktiengesellschaft. Wire reel. 4,883,237, 11-28-89, Cl. 242-83.000.

Berz, Gerhard: *See—*

Braun, Hans J.; Grenz, Gunter; and Berz, Gerhard, 4,869,438, Cl. 242-83.000.

Berzack, Jeffrey C.: *See—*

Shpigel, Leonid; and Berzack, Jeffrey C., 4,819,904, Cl. 248-545.000.

Berzin, Vel, to Baker Oil Tools, Inc. Apparatus for testing selected zones of a subterranean bore. 4,838,349, 6-13-89, Cl. 166-187.000.

Berzin, Vel; and Mendez, Luis E., to Baker Hughes Incorporated. Method and apparatus for setting an inflatable packer. 4,840,231, 6-20-89, Cl. 166-387.000.

Berzofsky, Jay: *See—*

Good, Michael A.; Berzofsky, Jay; and Miller, Louis H., 4,886,782, Cl. 514-12.000.

Berzon, Evgeny J.: *See—*

Minuhin, Vadim B.; Berzon, Evgeny J.; and VonDeylen, Vernon F., 4,875,108, Cl. 360-51.000.

Berzsenyi, Pal: *See—*

Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.

Besam AB: *See—*

Bjelk, Nils, 4,827,264. Cl. 342-61.000

Josson, Bert O., 4,888,532, Cl. 318-480.000.

Besam Aktiebolag: *See—*

Sandling, Kjell H., 4,843,761, Cl. 49-41.000.

Beschrankter Haftung: *See—*

Wahl, Hans P.; and Wurzburg, Uwe, 4,871,678, Cl. 436-79.000.

Bescrankter Haftung: *See—*

Reiffenrath, Volker; Krause, Joachim; Geelhaar, Thomas; Eidenschink, Rudolf; Kurmeier, Hans-Adolf; Poetsch, Eike; Scheuble, Bernhard; and Weber, Georg, 4,871,469, Cl. 252-299.610.

Bescup, Terrance L.; Fellows, Benjamin T.; and Leedecke, Charles J., to Minnesota Mining and Manufacturing Company. Transparent alumina microspheres. 4,837,069, 6-6-89, Cl. 428-148.000.

Besecke, Sigmund; Knebel, Joachim; Schroeder, Guenter; and Ude, Werner, to Rohm GmbH. Thermoplastic polyarylene ethers. 4,889,909, 12-26-89, Cl. 528-125.000.

Besemann, Alfred, to E.C.H. Will (GmbH & Co.). Apparatus for transporting stacks of paper sheets and the like. 4,842,125, 6-27-89, Cl. 198-457.000.

Besemann, Alfred, to E.C.H. Will (GmbH & Co.). Method of and apparatus for gathering and manipulating stacks of paper sheets and the like. 4,878,659, 11-7-89, Cl. 271-218.000.

Besemer, Donald M.: *See—*

Munro, Donald F.; Burnside, Robert R.; and Besemer, Donald M., 4,833,384, Cl. 318-687.000.

Beshay, Alphons D. Reinforced polymer composites with wood fibers grafted with silanes. 4,820,749, 4-11-89, Cl. 523-203.000.

Beshoory, Joseph E. Thermogravimetric balance. 4,817,745, 4-4-89, Cl. 177-212.000.

Besic, Dragan, to Dresser Industries, Inc. Vertical plunger pump with active plunger heat exchange. 4,808,093, 2-28-89, Cl. 417-539.000.

Besik, Ferdinand K., to Canadian Gas Research Institute. Heating and ventilating system. 4,834,285, 5-30-89, Cl. 237-48.000.

Besio, Mauro; Vacca, Alberto; and Vallarino, Angelo, to Minnesota Mining and Manufacturing Company. White light handeable direct-positive silver halide photographic elements. 4,849,326, 7-18-89, Cl. 430-512.000.

Besnard, Francois, to Societe Nationale Elf Aquitaine (Production). Tool for underwater connections on an oil production station. 4,809,784, 3-7-89, Cl. 166-340.000.

Besnard, Marie-Madeleine: *See—*

Schuppiser, Jean-Luc; and Besnard, Marie-Madeleine, 4,855,069, Cl. 252-87.000.

Besnard, Patrick: *See—*

Prigent, Georges; Besnard, Patrick; and Dupaillon, Jacques, 4,812,946, Cl. 361-150.000.

Besne, Michel; and Guillot, Fernand, to Isover Saint-Gobain. Processes and devices for melting materials capable of forming fibers. 4,818,221, 4-4-89, Cl. 432-99.000.

Besner, Guy. Multi-purpose support frame for cooking grill. 4,836,480, 6-6-89, Cl. 248-125.000.

Besnier, Bertrand, to Salomon S.A. Monoski binding arrangement. 4,844,502, 7-4-89, Cl. 280-607.000.

Besnier, Bertrand; and Rullier, Pierre, to Salomon S.A. Coupled safety bindings adapted for use with monoski. 4,869,522, 9-26-89, Cl. 280-607.000.

Besnier, Bertrand: *See—*

Rullier, Pierre; and Besnier, Bertrand, 4,863,186, Cl. 280-626.000.

Besombes-Vailhe, Jean: *See—*

Aurelle, Yves; Bernasconi, Christian; Besombes-Vailhe, Jean; Julien, Edmond; and Roques, Henri, 4,889,537, Cl. 44-53.000.

Besore, John K.; and Ruark, Bruce L., to General Electric Company. Packing support for slidably mounted articles within a cabinet. 4,848,581, 7-18-89, Cl. 206-521.000.

Bespak Plc: *See—*

Howlett, David J., 4,842,495, Cl. 417-488.000

Howlett, David J., 4,858,790, Cl. 222-402.200.

Bess, Coleman, to Electron Microscope Supplies Corporation. Audoradiography enhancer and method of use. 4,871,480, 10-3-89, Cl. 252-645.000.

Bessay, Raymond, to Alsthom-Atlantique. Turbine stage. 4,832,567, 5-23-89, Cl. 415-181.000.

Besse, Christian: *See—*

Parlatore, Roger; Leluc, Alain; and Besse, Christian, 4,843,200, Cl. 200-553.000.

Besser, Robert G. Mobile truck turntable. 4,796,537, 1-10-89, Cl. 104-37.000.

Bessey, Guy; and Aubonnet, Jean-Claude, to Clecim. Metal extrusion apparatus. 4,825,677, 5-2-89, Cl. 72-270.000.

Bessey & John GmbH & Co.: *See—*

Ritsch, Ingomar, 4,854,565, Cl. 269-41.000.

Besseyre, Jacques A., to International Business Machines Corporation. Method and apparatus for detecting a predetermined bit pattern within a serial bit stream. 4,847,877, 7-11-89, Cl. 375-116.000.

Bessho, Kazuo; and Yamada, Sotoshi, to Kanazawa University. Multilayered-eddy-current type strong magnetic field generator. 4,855,703, 8-8-89, Cl. 335-296.000.

Bessho, Kazuo; and Yamada, Sotoshi, to Kanazawa University. Multilayered-eddy-current-type strong magnetic field generator. 4,857,874, 8-15-89, Cl. 335-296.000.

Bessho, Kazuo, to Kanazawa University. Laminated coil for an eddy-current type strong AC magnetic field generator. 4,879,539, 11-7-89, Cl. 335-299.000.

Bessho, Keiichi: *See—*

Bishop, Timothy; Ohtaka, Tohru; Bessho, Keiichi; Sugimoto, Takeshi; and Igarashi, Katsutoshi, 4,844,604, Cl. 350-96.240.

Bessho, Nagayasu: *See—*

Itoyama, Seiji; Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Bessho, Nagayasu; and Fujii, Tetsuya, 4,817,702, Cl. 164-432.000.

Tozawa, Hirokazu; Bessho, Nagayasu; Fujii, Tetsuya; Moriwaki, Saburo; Yasukawa, Noboru; and Kimura, Tomoaki, 4,825,935, Cl. 164-481.000.

Bessho, Naokata; and Eguchi, Norio, to Kabushiki Kaisha Universal. Slot machine with a marker symbol. 4,826,169, 5-2-89, Cl. 273-143.00R.

Bessho, Yasunori: *See—*

Aoyama, Motoo; Bessho, Yasunori; Morimoto, Yuichi; Maruyama, Hiromi; and Uchikawa, Sadao, 4,826,654, Cl. 376-444.000.

Aoyama, Motoo; Maruyama, Hiromi; Bessho, Yasunori; and Uchikawa, Sadao, 4,832,906, Cl. 376-419.000.

Aoyama, Motoo; Bessho, Yasunori; Uchikawa, Sadao; Takeda, Renzo; and Ishii, Yoshihiko, 4,876,062, Cl. 376-444.000.

Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.

Bessho, Yoshinori: *See—*

Hino, Motohito; and Bessho, Yoshinori, 4,852,106, Cl. 372-9.000.

Hino, Motohito; and Bessho, Yoshinori, 4,882,479, Cl. 250-231.0SE.

Suzuki, Akihiro; Suzuki, Makoto; Hattori, Yutaka; Miyaki, Kazuyuki; Yoshida, Masayuki; Taki, Kazunari; and Bessho, Yoshinori, 4,865,407, Cl. 350-96.120.

Bessing, Klaus-Peter: *See—*

Ha[illegible], Klaus; Bessing, Klaus-Peter; and Bruestle, Claus, 4,807,439, Cl. 60-602.000.

Bessinger, Stephen L.; and Nelson, Michael G., to Consolidation Coal Company. Apparatus and method for mapping entry conditions in remote mining systems. 4,884,847, 12-5-89, Cl. 299-1.000.

Bessinger, Walter L.; and Hogan, Michael J., to Knape & Vogt Manufacturing Co. Interlock shelf and bracket. 4,871,136, 10-3-89, Cl. 248-250.000.

Bessler, Edward W. Appliance for assisting in weight control. 4,825,881, 5-2-89, Cl. 128-859.000.

Bessler, Edward W. Mouth appliance for assisting in weight control. 4,883,072, 11-28-89, Cl. 128-857.000.

Bessler, Warren F., to General Electric Company. Side panel assembly for kitchen range. 4,886,042, 12-12-89, Cl. 126-21.00R.

Besso, Michael M.: *See—*

Marikar, Y. M. F.; and Besso, Michael M., 4,868,008, Cl. 427-126.100.

Bessolo, Jeffrey M.; and Wolf, Michael A., to Wang Laboratories, Inc. NMOS data storage cell for clocked shift register applications. 4,825,409, 4-25-89, Cl. 365-154.000.

Bessolo, Jeffrey M.: *See—*

Wolf, Michael A.; and Bessolo, Jeffrey M., 4,833,655, Cl. 365-221.000.

Besson, Bernard; Desmurs, Jean-Roger; and Jouve, Isabelle, to Rhone-Poulenc Chimie. Chlorination of phenolic compounds. 4,855,513, 8-8-89, Cl. 568-779.000.

Besson, Bernard; Kalck, Philippe; and Thorez, Alain, to Rhone-Poulenc Chimie de Base. Dinuclear and water-soluble rhodium complexes and hydroformylation catalysis therewith. 4,889,957, 12-26-89, Cl. 568-454.000.

Besson, Daniel: *See—*

Coulon, Michel; Faron, Robert; and Besson, Daniel, 4,852,645, Cl. 165-180.000.

Besson, Rene , to Montres Rolex S.A. Device for controlling or correcting the readout of the day of the week or date for a wrist watch. 4,837,755, 6-6-89, Cl. 368-35.000.

Besson, Rene , to Montres Rolex, S.A. Chronometer for starting races, particularly regattas. 4,866,684, 9-12-89, Cl. 368-108.000.

Bessyo, Daisuke; Maehara, Naoyoshi; Sakamoto, Kazuho; Kusunoki, Shigeru; and Matsumoto, Takahiro, to Matsushita Electric Industrial Co., Ltd. High-frequency heating device. 4,851,629, 7-25-89, Cl. 219-10.55B.

Bessyo, Daisuke: *See—*

Matsumoto, Takahiro; Suenaga, Haruo; Maehara, Naoyoshi; Sakamoto, Kazuho; Niwa, Takashi; Bessyo, Daisuke; Kusunoki, Shigeru; and Shitaya, Takao, 4,886,951, Cl. 219-10.55B.

Sakamoto, Kazuho; Shitaya, Takao; Kusunoki, Shigeru; Maehara, Naoyoshi; Niwa, Takashi; Matsumoto, Takahiro; and Bessyo, Daisuke, 4,812,960, Cl. 363-20.000.

Best, Anthony; Bethell, David M.; and Hoole, Raymond, to BTR plc. Vehicle engine suspension systems. 4,869,474, 9-26-89, Cl. 267-136.000.

Best, Christopher H., to Lucas Industries Public Limited Company. Fuel injection pump. 4,881,504, 11-21-89, Cl. 123-447.000.

Best, David M. Pipe scraper. 4,798,246, 1-17-89, Cl. 166-311.000.

Best, Donald F.: *See—*

Staniulis, Mark T.; Risch, Alan P.; Vassilakis, James G.; and Best, Donald F., 4,867,954, Cl. 423-239.000.

Best, Gary R., to Methode Electronics, Inc. Spring switch. 4,837,411, 6-6-89, Cl. 200-5.00A.

Best Industries, Inc.: *See—*

Suthanthiran, Krishnan, 4,834,713, Cl. 604-175.000.

Suthanthiran, Krishnan, 4,847,505, Cl. 250-507.100.

Best, Jerry L. Score-sensitive basketball hoop. 4,858,920, 8-22-89, Cl. 273-1.50R.

Best, John E.; LeMay, Christopher A. G.; Hounsfield, Godfrey N.; and Froggatt, Robert J., to EMI Limited. Radiography. 4,843,618, 6-27-89, Cl. 378-4.000.

Best, John W., to Northstar Industries, Inc. Conveyor. 4,852,712, 8-1-89, Cl. 193-35.0TE.

Best, Lance E.: *See—*

Dunphy, Gerald F.; and Best, Lance E., 4,854,620, Cl. 292-337.000.

Best Lock Corporation: *See—*

Foshee, William R.; and Nixon, Duane B., 4,813,254, Cl. 70-104.000.

Foshee, William R., 4,836,001, Cl. 70-368.000.

Foshee, William R.; Nixon, Duane B.; and Palmer, Ralph P., 4,843,852, Cl. 70-367.000.

Foshee, William R., 4,873,853, Cl. 70-452.000.

Best, Norman D.: *See—*

Sirkin, Robert; and Best, Norman D., 4,806,186, Cl. 156-80.000.

Best, Robert J.; and Claybaugh, David H., to Worlds of Wonder, Inc. Interactive video and audio controller. 4,839,743, 6-13-89, Cl. 358-310.000.

- Best, Robert J., to Worlds of Wonder, Inc. Method of providing identification, other digital data and multiple audio tracks in video systems. 4,855,827, 8-8-89, Cl. 358-143.000.
- Best, Steven A.; Etherton, Bradley P.; and Kaus, Malcolm J., to Exxon Research & Engineering Company. Polymerization catalyst, production and use. 4,866,144, 9-12-89, Cl. 526-129.000.
- Best, Stuart J.; and Willard, Reginald A., to Thorn Emi plc. Signal identification. 4,876,617, 10-24-89, Cl. 360-60.000.
- Best, Thomas S.: *See—*
  - Gillingham, Larry A.; and Best, Thomas S., 4,810,152, Cl. 414-789.500.
- Best, Walter: *See—*
  - Eckhardt, Heinz; Gramlich, Walter; Best, Walter; and Halbritter, Klaus, 4,831,166, Cl. 549-323.000.
  - Hoelderich, Wolfgang; Schneider, Kurt; and Best, Walter, 4,804,758, Cl. 544-352.000.
- Best, William A.: *See—*
  - Engelstad, Jonathan L.; and Best, William A., 4,819,415, Cl. 56-41.000.
- Best, William D.: *See—*
  - Fisher, Eugenia T.; and Best, William D., 4,808,323, Cl. 252-15.000.
- Best, Willie H. Infrared gas grill. 4,886,044, 12-12-89, Cl. 126-39.00C.
- Bestel, Ernest F. Tubular supported axial magnetic field interrupter. 4,871,888, 10-3-89, Cl. 200-144.00B.
- Bestel, Ernest F.: *See—*
  - Nash, William H.; and Bestel, Ernest F., 4,839,481, Cl. 200-144.00B.
- Bestler, Charles B.; Reichard, Gordon E., Jr.; and Sirazi, Semir, to Zenith Electronics Corporation. Mapping method for impulse pay per view system. 4,807,023, 2-21-89, Cl. 358-86.000.
- Beswick, Frank; and Winship, Robert W., to West Company, The. Stopper elevator conveyor. 4,856,640, 8-15-89, Cl. 198-311.000.
- Beswick, John H.; and VanRiper, Bradley C., to Truck-Lite Co., Inc Modular shock resistant/sealed multi-function lamp. 4,812,955, 3-14-89, Cl. 362-240.000.
- Beta Phase, Inc.: *See—*
  - Perry, Michael; and Yasumura, Gary, 4,881,908, Cl. 439-161.000.
- Beta Raven Inc.: *See—*
  - Volk, Joseph A., Jr., 4,882,105, Cl. 264-40.100.
  - Volk, Joseph A., Sr.; and Volk, Joseph A., Jr., 4,833,377, Cl. 318-747.000.
- Beta Technology, Inc.: *See—*
  - Cassady, Henry W., Jr.; Hanset, Richard E.; Livingston, James W.; and Moreland, Gary D., 4,865,232, Cl. 222-464.000.
- Betek Bergbau-und Hartmetalltechnik Karl-Heinz Simon GmbH & Co. KG: *See—*
  - Simon, Peter, 4,818,027, Cl. 299-92.000.
- Betensky, Ellis I., to U.S. Precision Lens, Incorporated. Wide angle projection lens. 4,801,196, 1-31-89, Cl. 350-432.000.
- Betensky, Ellis I., to U.S. Precision Lens, Incorporated. Projection lens with color correction. 4,815,831, 3-28-89, Cl. 350-432.000.
- Betensky, Ellis I.; and Kreitzer, Melvyn H., to Eastman Kodak Company. Wide-angle zoom lens. 4,828,372, 5-9-89, Cl. 350-427.000.
- Betensky, Ellis I.; and Kreitzer, Melvyn H., to Eastman Kodak Company. Zoom lens. 4,838,668, 6-13-89, Cl. 350-427.000.
- Beth, Dieter: *See—*
  - Babsch, Alfred; Beth, Dieter; Panzer, Werner; and Stempfle, Johann, 4,827,124, Cl. 250-231.0SE.
- Beth Israel Hospital: *See—*
  - Simon, Morris, 4,883,053, Cl. 128-303.00B.
- Beth Israel Hospital Association, The: *See—*
  - Bursell, Sven-Erik; and Serur, Juan R., 4,836,207, Cl. 128-633.000.
  - Gerhart, Tobin N.; and Hayes, Wilson C., 4,843,112, Cl. 523-114.000.
  - Hogan, John D., 4,885,000, Cl. 600-21.000.
  - Spears, J. Richard, 4,799,479, Cl. 128-303.100.
- Bethandale Corporation: *See—*
  - Ferguson, Donald E., 4,870,853, Cl. 72-393.000.
- Bethea, Tristram W.; Oziomek, James; Tazewell, Joseph H.; Hillshafer, Douglas K.; and Meyer, Louis W., to Firestone Tire & Rubber Company, The; and Dow Chemical Company, The. Increased reactivity of isocyanate terminated polyether prepolymers with metal halide salt complexes of methylenedianiline. 4,814,411, 3-21-89, Cl. 528-64.000.
- Bethel, Bob J. Cam action fishing sinker device. 4,837,966, 6-13-89, Cl. 43-43.100.
- Bethel, Steven J.; and Baumhardt, Robert J., to Brunswick Corporation. Two-cycle engine with offset piston ovality. 4,864,986, 9-12-89, Cl. 123-193.00P.
- Bethell, David M.: *See—*
  - Best, Anthony; Bethell, David M.; and Hoole, Raymond, 4,869,474, Cl. 267-136.000.
- Bethell, George L.; Burch, Donald F.; and Hinkhouse, Lysle R., to Sears Manufacturing Company. Molded cushion article. 4,853,995, 8-8-89, Cl. 5-481.000.
- Bethge, Michael: *See—*
  - Hermann, Dietmar; and Bethge, Michael, 4,870,783, Cl. 49-477.000.
- Bethlehem Steel Corporation: *See—*
  - Brown, James T., 4,826,371, Cl. 410-54.000.
  - Brown, James T., 4,854,791, Cl. 410-52.000.
  - Brown, James T., 4,867,622, Cl. 410-54.000.
  - Frey, Ronald L., 4,800,819, Cl. 105-238.100.
  - Griffing, Neal R.; and Hand, Evan L., Sr., 4,852,860, Cl. 266-268.000.
  - Hlinka, Joseph W., 4,801,056, Cl. 222-594.000.
  - Lynn, John D.; Jablonski, Charles E.; and Egan, Walter D., 4,840,671, Cl. 106-85.000.
  - Steinbicker, Richard N.; Townsend, Herbert E.; and Yau, Yung-Herng, 4,840,712, Cl. 204-28.000.
  - Ulinski, Eugene J., 4,867,677, Cl. 432-245.000.
- Bethmann, Karl W.: *See—*
  - Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bueping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.00
  - Wallow, Peter; and Bethmann, Karl W., 4,850,280, Cl. 102-522.00
- Bethshears, William D., to Flow-Rite of Tennessee, Inc. Fish attractant with sensory enhancements. 4,828,829, 5-9-89, Cl. 424-84.000.
- Bethuel, Louis; Carles, Maurice; and Neige, Roger, to Commissariat a l'Energie Atomique. Apparatus for the extraction of constituents by a supercritical fluid or pressurized liquid. 4,824,570, 4-25-89, C 210-511.000.
- Bethune, Paul P. Recreational vehicle drain vent. 4,811,753, 3-14-89, C 137-217.000.
- Betlinski, Glenn M.; and Voss, Dennis A., to Komatsu Dresser Company. Brake reservoir make-up system. 4,844,217, 7-4-89, Cl. 1 4.00A.
- Beton, Peter H.: *See—*
  - Couch, Nigel R.; Kelly, Michael J.; and Beton, Peter H., 4,801,9 Cl. 357-3.000.
- Betonwerke Munderkingen GmbH: *See—*
  - Hoppe, Olaf; Schmid, Helmut; Reinschutz, Peter; and Weggemann, Karl, 4,848,308, Cl. 125-7.000.
- Betriebswirtschaftliches Institut der Deutschen Kreditgenossenschaft BIK GmbH: *See—*
  - Eisele, Raymund H., 4,849,613, Cl. 235-379.000.
- Betsinger, Thomas R. Heel compensating steering arrangement for high speed boats. 4,846,741, 7-11-89, Cl. 440-57.000.
- Betso, Stephen R.; Hyun, Kun S.; and Russell, Patrick M., to Dow Chemical Company, The. Process and equipment for processing thermoplastic polymers. 4,855,404, 8-8-89, Cl. 528-502.000.
- Betsui, Kazuhisa: *See—*
  - Oda, Kenzo; and Betsui, Kazuhisa, 4,867,699, Cl. 439-355.00
- Bettcher, Galen D.: *See—*
  - Bettcher, H. Dean; Bettcher, Gary D.; Bettcher, Galen D.; and Bettcher, Ralph D., 4,841,645, Cl. 34-78.000.
- Bettcher, Gary D.: *See—*
  - Bettcher, H. Dean; Bettcher, Gary D.; Bettcher, Galen D.; and Bettcher, Ralph D., 4,841,645, Cl. 34-78.000.
- Bettcher, H. Dean; Bettcher, Gary D.; Bettcher, Galen D.; and Bettcher, Ralph D., to Micro Contamination Components Industries. Vapor dryer. 4,841,645, 6-27-89, Cl. 34-78.000.
- Bettcher Industries, Inc.: *See—*
  - Decker, Richard B.; and Bozzi, Richard P., 4,854,046, C 30-276.000.
- Bettcher, Ralph D.: *See—*
  - Bettcher, H. Dean; Bettcher, Gary D.; Bettcher, Galen D.; and Bettcher, Ralph D., 4,841,645, Cl. 34-78.000.
- Bette, Willi: *See—*
  - Cirkel, Hans-Jurgen; Bette, Willi; and Muller, Reinhard, 4,887,2 Cl. 372-83.000.
- Bettendorf, Richard A.; and Morris, Scott S., to Honeywell Bull Inc. Printer paper control apparatus and method. 4,852,785, 8-1-89, C 226-42.000.
- Bettenga, James L.: *See—*
  - Wehner, Jeffrey M.; Bettenga, James L.; Biagini, Guido; Godecke, William J.; and Wigmore, David B., 4,869,071, Cl. 62-133.00
- Better Agricultural Goals, Inc.: *See—*
  - Derby, Norwin C., 4,811,419, Cl. 383-67.000.
  - Derby, Norwin C.; and Benson, Ernest J., 4,865,218, C 220-402.000.
- Better Health Concepts Co Inc.: *See—*
  - Shaw, Richard J., 4,884,849, Cl. 300-4.000.
- Better Health Concepts, Inc.: *See—*
  - Bojar, James A.; and Shaw, Richard J., 4,827,552, Cl. 15-28.00
- Better Life International, Inc.: *See—*
  - Summers, John K., 4,887,620, Cl. 131-352.000.
- Better Life International Life, Inc.: *See—*
  - Summers, John K., 4,817,640, Cl. 131-359.000.
- Better Mousetraps Inc.: *See—*
  - Gaber, Ira; and Woodring, Cooper C., 4,856,718, Cl. 241-93.00
- Betteridge, Keith: *See—*
  - Welch, Robert A. S.; and Betteridge, Keith, 4,855,313, C 514-415.000.
- Betteridge, Peter R.: *See—*
  - Schofield, John A.; Betteridge, Peter R.; Ryback, George; and Geary, Philip J., 4,876,200, Cl. 435-253.300.
- Betters, Gordon J. Cable slide guide for compound bows. 4,886,0 12-12-89, Cl. 124-23.00R.
- Betterton, Joseph T.; Glover, Alfred H.; Griffin, Ranald L.; and Kersens, Anthony J., to Chrysler Motors Corporation. Oil pressure transducer. 4,805,460, 2-21-89, Cl. 73-725.000.
- Betterton, Joseph T.; Glover, Alfred H.; and McKee, Thomas S., to Chrysler Motors Corporation. Pressure transducer. 4,807,4 2-28-89, Cl. 73-725.000.
- Betterton, Joseph T.; Glover, Alfred H.; and Hepler, Bruce, to Chrysler Motors Corporation. Odometer shaft retainer and support. 4,842,4 6-27-89, Cl. 384-440.000.
- Betterton, Joseph T.; Glover, Alfred H.; and Hepler, Bruce, to Chrysler Motors Corporation. Shaft coupler. 4,846,760, 7-11-89, C 464-87.000.
- Betterton, Joseph T.; Glover, Alfred H.; and Hepler, Bruce, to Chrysler Motors Corporation. Shaft coupler for automated assembly 4,846,762, 7-11-89, Cl. 464-87.000.

- Betterton, Joseph T.; Glover, Alfred H.; McKee, Thomas S.; and Romanczuk, Chris S., to Chrysler Motors Corporation. Stabilized flow control valve. 4,886,033, 12-12-89, Cl. 123-574.000.
- Betterton, Joseph T.: *See—*
  - Glover, Alfred H.; and Betterton, Joseph T., 4,822,319, Cl. 464-101.000.
- Bettger, Richard R.: *See—*
  - Smallegan, Jon M.; and Bettger, Richard R., 4,875,352, Cl. 70-395.000.
  - Smallegan, Jon M.; and Bettger, Richard R., 4,884,835, Cl. 292-357.000.
- Betti, Pier L., to Jorge Gabrielli Zacharias Calixto. Structural joint system. 4,884,381, 12-5-89, Cl. 52-741.000.
- Betticare, Olivier. Interchangeable pick-up for electric guitar. 4,872,386, 10-10-89, Cl. 84-726.000.
- Bettigole, Neal H. Method of assembling a steel grid and concrete deck. 4,865,486, 9-12-89, Cl. 404-75.000.
- Bettinger, David S. Spectacle-mounted ocular display apparatus. 4,806,011, 2-21-89, Cl. 351-158.000.
- Bettis, Brian K.: *See—*
  - Leutholt, Robert M.; and Bettis, Brian K., 4,847,921, Cl. 2-425.000.
- Betts, David E.: *See—*
  - Valentino, Frank; Betts, David E.; and Alesch, Edward A., 4,883,361, Cl. 366-97.000.
- Betts, John E.; and Toledo, George, to Thomas Industries, Inc. Panic exit device. 4,839,988, 6-20-89, Cl. 49-141.000.
- Betts, Joseph E.: *See—*
  - Abolins, Visvaldis; Betts, Joseph E.; Holub, Fred F., and Lee, Gim F., Jr., 4,808,647, Cl. 524-141.000.
  - Wilkus, Edward V.; Fridland, Ida; and Betts, Joseph E., 4,857,673, Cl. 174-110.0PM.
- Betts, Malcolm C.: *See—*
  - Reid, David I.; Ellson, John C.; and Betts, Malcolm C., 4,837,760, Cl. 370-16.000.
- Betts, Peter; and Jahn, Darrell D., to Donaldson Company, Inc. Oil recovery apparatus. 4,876,011, 10-24-89, Cl. 210-526.000.
- Betts, Trueman R.: *See—*
  - LeCourt, James H.; Betts, Trueman R.; and Gates, Louis E., Jr., 4,869,662, Cl. 431-145.000.
- Betts, William L.; and Martinez, Kenneth, to Paradyne Corporation. Subrate preamble decoder for a high speed modem. 4,796,279, 1-3-89, Cl. 375-39.000.
- Betts, William L.; and Zuranski, Edward S., to Paradyne Corporation. Secondary channel for digital modems using spread spectrum subliminal induced modulation. 4,811,357, 3-7-89, Cl. 375-1.000.
- Betts, William L.; and Zuranski, Edward S., to Paradyne Corporation. Data error detector for digital modems using trellis coding. 4,862,464, 8-29-89, Cl. 371-43.000.
- Betts, William L.: *See—*
  - Zuranski, Edward S.; Springer, David W.; Balka, Chad; and Betts, William L., 4,833,690, Cl. 375-8.000.
- Betz, C. Friedemann: *See—*
  - Schlegel, Kurt; and Betz, C. Friedemann, 4,852,457, Cl. 89-6.500.
  - Schlegel, Kurt; and Betz, C. Friedemann, 4,864,935, Cl. 102-438.000.
- Betz, Egon, to VDO Adolf Schindling AG. System for the programming of a measuring instrument installed in an automotive vehicle. 4,824,378, 4-25-89, Cl. 439-55.000.
- Betz, Erwin C. Heat recuperative combustion device. 4,867,949, 9-19-89, Cl. 422-171.000.
- Betz, Gerhard: *See—*
  - Lahr, Helfrid; and Betz, Gerhard, 4,858,306, Cl. 29-723.000.
- Betz, Hans; Mader, Herman; and Pelka, Joachim, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. Process for imaging laserinterferometry and a laserinterferometer for carrying out said process. 4,838,694, 6-13-89, Cl. 356-357.000.
- Betz, Hans: *See—*
  - Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.
  - Mueller, Karl-Heinz; Betz, Hans; Vach, Wilhelm; and Krenner, Johann, 4,856,037, Cl. 378-34.000.
- Betz, Howard T.: *See—*
  - Murarka, Narayan P.; Kogler, Kent J.; Bartholomew, Craig S.; Betz, Howard T.; and Harris, Richard J., 4,837,044, Cl. 427-10.000.
- Betz, James W.: *See—*
  - Riding, Kim D.; Betz, James W.; and Templeton, James E., 4,866,219, Cl. 200-4.000.
- Betz Laboratories, Inc.: *See—*
  - Barnett, Daniel J.; and Michalopoulos, Daniel L., 4,861,429, Cl. 162-199.000.
  - Bockowski, Edmund; and McDaniel, Cato R., 4,851,583, Cl. 568-465.000.
  - Chen, Fu, 4,801,387, Cl. 210-699.000.
  - Chen, Fu; and Carey, William S., 4,849,129, Cl. 252-181.000.
  - Chen, Fu; and Bair, Keith A., 4,851,490, Cl. 526-278.000.
  - Chen, Fu; and Carey, William S., 4,863,614, Cl. 210-699.000.
  - Chen, Fu; and Carey, William S., 4,868,263, Cl. 526-312.000.
  - Chen, Fu, 4,869,845, Cl. 252-181.000.
  - Chen, Fu; and Michalopoulos, Daniel L., 4,872,995, Cl. 210-699.000.
  - Chen, Fu; and Bair, Keith A., 4,886,617, Cl. 252-180.000.
  - Conlan, John T., 4,818,412, Cl. 210-704.000.
  - Donofrio, Deborah K.; and Whitekettle, Wilson K., 4,835,143, Cl. 514-75.000.
  - Donofrio, Deborah K.; and Whitekettle, Wilson K., 4,855,296, Cl. 514-241.000.
  - Donofrio, Deborah K.; and Whitekettle, Wilson K., 4,857,557, Cl. 514-711.000.
  - Donofrio, Deborah K.; and Whitekettle, Wilson K., 4,859,705, Cl. 514-600.000.
  - Donofrio, Deborah K.; and Whitekettle, Wilson K., 4,859,708, Cl. 514-727.000.
  - Donofrio, Deborah K.; and Whitekettle, Wilson K., 4,863,960, Cl. 514-526.000.
  - Dreisbach, David D.; and Gomes, Gilbert S., 4,846,933, Cl. 162-168.100.
  - Dreisbach, David D.; and Gomes, Gilbert S., 4,871,424, Cl. 162-168.100.
  - Fillipo, Bruce K., 4,818,293, Cl. 106-476.000.
  - Forester, David R., 4,804,456, Cl. 208-48.0AA.
  - Forester, David R., 4,828,674, Cl. 208-48.0AA.
  - Forester, David R., 4,889,614, Cl. 208-48.0AA.
  - Lyons, Larry A.; Davis, Dwight P.; and Swered, Paul, 4,816,163, Cl. 210-698.000.
  - Lyons, Larry A.; Davis, Dwight P.; and Swered, Paul, 4,857,209, Cl. 210-755.000.
  - McDaniel, Cato R.; Delaney, W. John; and Wright, Bruce E., 4,822,475, Cl. 208-48.0AA.
  - McDonald, Alexander C.; and Soos, James L., 4,828,713, Cl. 210-697.000.
  - Merrell, Gene A.; and Sujdak, Richard J., 4,796,548, Cl. 110-343.000.
  - Merrell, Gene A., and Purnell, Deborah L., 4,853,132, Cl. 210-712.000.
  - Moreland, Robert D., 4,886,575, Cl. 162-5.000.
  - Muccitelli, John A.; and Feldman, Nancy A., 4,883,566, Cl. 204-1.00T.
  - Reid, Dwight K., 4,822,378, Cl. 44-53.000.
  - Reid, Dwight K., 4,840,720, Cl. 208-48.0AA.
  - Reid, Dwight R., 4,867,754, Cl. 44-72.000.
  - Roling, Paul V., 4,797,504, Cl. 560-4.000.
  - Roling, Paul V.; Niu, Joseph H. Y.; and Reid, Dwight K., 4,810,354, Cl. 208-48.0AA.
  - Roling, Paul V.; and Niu, Joseph H. Y., 4,847,415, Cl. 564-367.000.
  - Roling, Paul V.; and Niu, Joseph H. Y., 4,883,580, Cl. 208-48.0AA.
  - Whitekettle, Wilson K.; and Donofrio, Deborah K., 4,835,144, Cl. 514-75.000.
  - Whitekettle, Wilson K.; and Donofrio, Deborah K., 4,859,702, Cl. 514-520.000.
- Betz, Manfred, to Gustav Magenwirth GmbH & Co. Joystick for generating electric control signals. 4,855,704, 8-8-89, Cl. 336-132.000.
- Betz, Walter; Koch, Eckhard M.; Plachetta, Christoph; Blinne, Gerd; and Hahn, Karl, to BASF Aktiengesellschaft. Solid mixture of nucleated and nonnucleated polyamides. 4,866,115, 9-12-89, Cl. 524-135.000.
- Betz, William R.: *See—*
  - Maroldo, Stephen G.; Betz, William R.; and Borenstein, Noah, 4,839,331, Cl. 502-416.000.
- Betzig, Patricia A.: *See—*
  - Belleville, Ernest L.; and Betzig, Patricia A., 4,863,654, Cl. 264-46.600.
- Betzler, Mark H.; and Swanson, Steven E., to GTE Products Corporation. Housing for a fiber optic component. 4,804,252, 2-14-89, Cl. 350-96.230.
- Betzler, Mark H.; and Swanson, Steven E., to GTE Products Corporation. Housing for a fiber optic component. 4,815,810, 3-28-89, Cl. 350-96.200.
- Betzler, Mark H.; and Swanson, Steven E., to GTE Products Corporation. Housing for a fiber optic component. 4,834,489, 5-30-89, Cl. 350-96.200.
- Betzner, William E., to Celotex Corporation, The. Method for producing an embossed gypsum panel. 4,842,786, 6-27-89, Cl. 264-40.100.
- Beu, Richard A., to Teledyne Hanau. Dental face bow. 4,836,779, 6-6-89, Cl. 433-73.000.
- Beuchat, Roland. Razor set. 4,831,729, 5-23-89, Cl. 30-40.200.
- Beuchel, Peter H.; and Lee, Yu C., to Westinghouse Electric Corp. High performance reliability fuel pellet. 4,814,137, 3-21-89, Cl. 376-429.000.
- Beucher, Josef, to GTE Sylvania Licht GmbH. Photocell, having inclined plate cathode. 4,876,443, 10-24-89, Cl. 250-211.00R.
- Beucher, Serge; Blosseville, Jean-Marc; and Lenoir, Francois, to Association pour la Recherche et le Developpement des Methodes et Processus Industriels (A.R.M.I.N.E.S.); and Institut National de Recherche sur les Transports et Leur Secutite. Method of determining the trajectory of a body suitable for moving along a portion of a path, and apparatus for implementing the method. 4,839,648, 6-13-89, Cl. 340-933.000.
- Beuerle, Christoph: *See—*
  - Hillen, Klaus; and Beuerle, Christoph, 4,817,763, Cl. 188-73.200.
- Beugeling, Tom: *See—*
  - Riethorst, Waander; Konig, Bondewyn W.; van Aken, Willem G.; Bantjes, Adriaan; Beugeling, Tom; and Te Booy, Marcelinus P. W. M., 4,883,598, Cl. 210-656.000.
- Beugelsdyk, Anthony F.: *See—*
  - Barnard, Michael A.; and Beugelsdyk, Anthony F., 4,813,214, Cl. 56-11.300.
  - Barnard, Michael A.; and Beugelsdyk, Anthony F., 4,850,182, Cl. 56-10.800.

Beugnet: *See—*
  Sainton, Alain, 4,846,602, Cl. 404-75.000.

Beuhler, Allyson; and Wrezel, James A., to Allied-Signal Inc. Styrene-terminated polyethers of polyphenols. 4,873,302, 10-10-89, Cl. 526-333.000.

Beukara, Ferial, to Enertec. Digital waveform generator and associated method. 4,868,774, 9-19-89, Cl. 364-724.010.

Beuke, Karl: *See—*
  Wagner, Paul-Heinz; Meyer, Alois; Hirtsiefer, Karl-Richard; and Beuke, Karl, 4,805,496, Cl. 81-57.390.

Beullens, Theophile. Hydraulic or pneumatic drive device. 4,841,845, 6-27-89, Cl. 92-92.000.

Beumer, Klaus: *See—*
  Henn, Stefan; and Beumer, Klaus, 4,843,955, Cl. 99-295.000.

Beuret, Jacques: *See—*
  Beuret, Pierre; and Beuret, Jacques, 4,808,294, Cl. 204-427.000.

Beuret, Pascal: *See—*
  Beuret, Pierre; and Beuret, Pascal, 4,858,893, Cl. 266-249.000.
  Beuret, Pierre; and Beuret, Pascal, 4,861,000, Cl. 266-143.000.

Beuret, Pierre; and Beuret, Jacques. Probe for measuring the partial pressure of oxygen in a gaseous atmosphere in relation to a reference atmosphere. 4,808,294, 2-28-89, Cl. 204-427.000.

Beuret, Pierre; and Beuret, Pascal, to Beuret, Pierre. Bell furnance and hardening vat arrangement. 4,858,893, 8-22-89, Cl. 266-249.000.

Beuret, Pierre; and Beuret, Pascal, to Pierre Beuret. Installation having several elements for heat treatments. 4,861,000, 8-29-89, Cl. 266-143.000.

Beuter, Rudolf: *See—*
  Schmitt, Roland; and Beuter, Rudolf, 4,843,284, Cl. 315-371.000.

Beutin, Ulrich; Korte, Richard; and Wehr, Jurgen, to Daimler-Benz Aktiengesellschaft. Stabilizer for motor vehicles with elastically compliant longitudinal stabilizer member. 4,869,480, 9-26-89, Cl. 267-273.000.

Beutler, Rolf D.; Wimmer, Thomas; and Angst, Gunhild, to Merz & Co. GmbH & Co. Foamable creams. 4,808,388, 2-28-89, Cl. 424-47.000.

Beutler, Scott D., to Motorola, Inc. Miniature shield with opposing cantilever spring fingers. 4,890,199, 12-26-89, Cl. 361-424.000.

Beuttler, Thomas: *See—*
  Cohnen, Erich; Beuttler, Thomas; Hofferber, Eva; and Stenzel, Wolfgang, 4,801,590, Cl. 514-293.000.

Bev-Cap Plastics Pty. Ltd.: *See—*
  Banks, Gilbert H., 4,840,616, Cl. 604-110.000.

Bevacqua, Joseph P.; Eastep, Robert E.; and Collins, Thomas J., to Bell Atlantic. Telephone network multiple transmission line interface. 4,861,287, 8-29-89, Cl. 439-718.000.

Bevan, Bruno: *See—*
  Guillemet, Alain; Teillaud, Eric; Reginault, Philippe; and Bevan, Bruno, 4,837,025, Cl. 424-448.000.

Bevan, Charles E.: *See—*
  Vine, Raymond W.; Sheffler, Keith D.; and Bevan, Charles E., 4,861,618, Cl. 427-34.000.

Bevan, Christopher G., to C. G. Bevan Associates Limited. Moulding of construction products by vibration and pressure applications at relatively small intensities. 4,812,273, 3-14-89, Cl. 264-71.000.

Bevan, Christopher G.; and Hacking, Douglas, to C. G. Bevan Associates Limited. Hydration means. 4,818,202, 4-4-89, Cl. 425-90.000.

Bevan, Dennis P., to Litton Systems, Inc. Fiber optic telemetry system. 4,859,019, 8-22-89, Cl. 350-96.160.

Bevel, Kenneth E.: *See—*
  Graham, William H.; Bevel, Kenneth E.; Byrd, James D.; Junior, Kenneth E.; and Shepard, Inella G., 4,803,019, Cl. 264-3.100.

Beveridge, Hugh K., Jr., to Du Pont de Nemours & Co. Roll assembly for fiber drafting machine. 4,837,908, 6-13-89, Cl. 29-130.000.

Beverly Hills Trading Company, Inc.: *See—*
  Greenberg, Shelley A., 4,796,166, Cl. 362-96.000.
  Rezek, Ron, 4,884,947, Cl. 416-5.000.

Beverly, James A., to Eaton Corporation. Tire leakage detection method for central tire inflation system. 4,860,579, 8-29-89, Cl. 73-146.200.

Bevers, Morey S.; Amaro, Michael G.; and Musson, Robert A., to Teradyne, Inc. Telephone subscriber loop test system. 4,852,145, 7-25-89, Cl. 379-27.000.

Beverwijk, Christiaan D. M.; De Jong, Feike; and Sant, Peter, to Shell Oil Company. Lubricating composition. 4,873,004, 10-10-89, Cl. 252-32.500.

BeVier, William E.; Fails, Charles F., deceased; and by Fails, Virginia N., executor, to UOP. Process for continuous application of solid lubricant to moving bed particles. 4,800,027, 1-24-89, Cl. 252-18.000.

BeVier, William E., to Union Carbide Corporation. Multicomponent adsorption process. 4,812,147, 3-14-89, Cl. 55-25.000.

Bevilacqua, Bruce W.; Cheng, Wenche W.; Stoner, Donald R.; Pement, Fredric W.; Burack, Robert D.; and Gilkison, Joseph M., to Westinghouse Electric Corp. Process for thermally stress-relieving a tube. 4,820,359, 4-11-89, Cl. 148-127.000.

Bevilacqua, Bruce W.: *See—*
  Driggers, John M.; Saska, Thomas J.; and Bevilacqua, Bruce W., 4,795,885, Cl. 219-534.000.
  Metala, Michael J.; Clark, William G., Jr.; Junker, Warren R.; Burtner, Lee W.; Arzenti, Thomas E.; Johnson, Harold P.; Vestovich, Robert P.; and Bevilacqua, Bruce W., 4,856,337, Cl. 73-601.000.

Bevilacqua, Gary L.: *See—*
  Puzio, Daniel; Georges, William H.; and Bevilacqua, Gary L., 4,842,118, Cl. 192-150.000.

Bevill, Fred. Stand for supporting and method of testing an engine. 4,848,717, 7-18-89, Cl. 248-670.000.

Bevill, Fred; and Kaufman, Theodore P., to Bevill, Fred. Electronic fuel control device and method. 4,889,097, 12-26-89, Cl. 123-478.000.

Bevington, Jack T.; and Channell, Alan B., to McNeil (Ohio) Corporation. Centrifugal pump. 4,802,819, 2-7-89, Cl. 415-199.300.

Bewley, Wilbur C., Jr.; Lahndorff, Kendell S.; and Nauman, Jeffrey M., to Whirlpool Corporation. Self-adjusting wiper strip assembly for a vacuum cleaner. 4,864,682, 9-12-89, Cl. 15-371.000.

Bewley, Wilbur C., Jr.: *See—*
  Lahndorff, Kendell S.; and Bewley, Wilbur C., Jr., 4,802,254, Cl. 15-41.00R.

Bexel Corporation: *See—*
  Baldwin, Blair F.; and Lamson, William C., 4,842,003, Cl. 135-19.500.

Bexten, Daniel P.: *See—*
  Mitchell, James L.; and Bexten, Daniel P., 4,883,446, Cl. 474-133.000.

Bexten, Ludger: *See—*
  Hobes, John; Payer, Wolfgang; and Bexten, Ludger, 4,883,853, Cl. 526-329.000.

Bey, Philippe, to Merrell Dow Pharmaceuticals Inc. N-2,3-butadienyl-1,4-butanediamine derivatives. 4,851,447, 7-25-89, Cl. 514-629.000.

Bey, Philippe; and Jung, Michel, to Merrell Dow France et Cie. 3-Halomethyl derivatives of 2-amino acids. 4,866,206, 9-12-89, Cl. 562-561.000.

Beyazov, Yordan Y.; Nenov, Sasho G.; and Peychev, Vlayko S., to Institute Po Technicheska Kibernetika I Robotika. Flow rate converter. 4,884,459, 12-5-89, Cl. 73-861.520.

Beyeler, Harry: *See—*
  Riediker, Martin; Steiner, Eginhard; Beyeler, Harry; Rembold, Manfred; and Sitek, Franciszek, 4,857,654, Cl. 556-53.000.

Beyer, Douglas E., to Dow Chemical Company, The. Weatherable styrenic polymer blend comprising polyalkylene glycol. 4,877,52 10-31-89, Cl. 524-377.000.

Beyer, Eckhard: *See—*
  Herziger, Gerd; Beyer, Eckhard; Loosen, Peter; and Poprawe, Reinhart, 4,839,493, Cl. 219-121.690.

Beyer, Hans: *See—*
  Becker, Rudolf; Neubauer, Wilhelm; Beyer, Hans; and Pohl, Harald, 4,838,778, Cl. 425-133.100.

Beyer, Hans-Dieter: *See—*
  Ahland, Erwin; Verfuss, Franz; Beyer, Hans-Dieter; and Lehmann, Joachim, 4,833,877, Cl. 60-39.020.

Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, to Robert Bosch GmbH. Method for recognizing the power stroke of a cylinder of an internal combustion engine. 4,889,094, 12-26-89, Cl. 123-414.000.

Beyer, Herman; Borbely, Gabriella; Dombi, Sandor; Kalman, Alajos; Meszaros, Gyula; Miasnikov, Peter; and Rozsa, Pal, to Magyar Tudomanyos Akademia Kozponti Kemiai Kutato Intezete and Eptestudomanyi Intezet. Process for the inhibition of spread of fire and for protection against effect of fire in burning buildings. 4,850,17 7-25-89, Cl. 52-741.000.

Beyer, Jack W.: *See—*
  Runkles, Richard R.; Dyer, John A.; and Beyer, Jack W., 4,881,7 Cl. 285-93.000.

Beyer, James D.; and Johnson, Mark E., to Wisconsin Milk Marketing Board, Inc. Method of manufacture of creamy Havarti style cheese. 4,882,179, 11-21-89, Cl. 426-36.000.

Beyer, John D., to Rohr Industries, Inc. Electronic tattle tale. 4,850,116, 7-25-89, Cl. 33-788.000.

Beyer, John P.: *See—*
  Zaremba, Norman S.; Beyer, John P.; and Glenn, Thomas R., 4,868,975, Cl. 29-741.000.

Beyer, Karl-Heinz; and Zellweger, Conrad. Spectacle frame with resilient hinges. 4,832,479, 5-23-89, Cl. 351-153.000.

Beyer, Michael B., to E Street Enterprises, Inc. Vacuum pump and closure assembly for beverage container. 4,889,250, 12-26-89, Cl. 215-228.000.

Beyerle, Rudi: *See—*
  Schonafinger, Karl; Beyerle, Rudi; Bohn, Helmut; Just, Melitta; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,845,091, Cl. 514-212.000.
  Zoller, Gerhard; Beyerle, Rudi; Just, Melitta; Bohn, Helmut; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,816,454, Cl. 514-211.000.
  Zoller, Gerhard; Beyerle, Rudi; Schindler, Ursula; Nitz, Rolf-Eberhard; and Martorana, Piero, 4,837,225, Cl. 514-427.000.

Beyers, Billy W., Jr.; and Hailey, James E., to RCA Licensing Corporation. Component audio/video system with automatic turn-off of peripheral devices. 4,808,992, 2-28-89, Cl. 340-825.240.

Beyers Jr., Billy W.: *See—*
  Venners, Howard W.; Beyers Jr., Billy W.; and Hailey, James E., 4,855,730, Cl. 340-825.240.

Beyersdorf, Robert S.; and Keskey, William H., to Dow Chemical Company, The. Latex compositions useful as binders in composite board having dimensional stability and strength. 4,863,979, 9-5-89, Cl. 524-14.000.

Beyl, Jean. Jig for facilitating the adjustment of a block under the sole of a cyclist's shoe, a sole and a cyclist's shoe adapted to such a jig. 4,807,368, 2-28-89, Cl. 33-3.00B.

Beyl, Jean J. Pedal for a bicycle or similar device. 4,882,946, 11-28-89, Cl. 74-594.600.

Beylin, Vladimir G.; Goel, Om P.; Sercel, Anthony D.; and Showalter, Howard D. H., to Warner-Lambert Company. Processes for the preparation of benzo(chalcogeno)(4,3,2-cd)indazoles and intermediates thereof. 4,806,654, 2-21-89, Cl. 548-370.000.

Beynon, Thomas G. R.; and Ridley, Ian H., to Land Infrared Limited. Weld monitoring. 4,806,723, 2-21-89, Cl. 219-109.000.

Beyrer, Karl-Heinz: *See—*
  Nussbaumer, Walter; and Beyrer, Karl-Heinz, 4,840,095, Cl. 82-117.000.

Beyrich, Jurgen: *See—*
  Albrecht, Bernhard; and Beyrich, Jurgen, 4,879,415, Cl. 564-412.000.

Beyrouti, Michael G.: *See—*
  Rabipour, Rafi; Beyrouti, Michael G.; and Mermelstein, Paul, 4,853,958, Cl. 379-386.000.

Beyts, Pamela K., to Tate & Lyle Public Limited Company. Sweetener for cola beverages. 4,863,752, 9-5-89, Cl. 426-548.000.

Bez, Eckhard; and Farrant, John L., to Commonwealth Scientific and Industrial Research Organization. Multi-stage vacuum pump. 4,854,825, 8-8-89, Cl. 417-265.000.

Bezard, Jean-Jacques; Feppon, Philippe; and Rodionoff, Pierre, to Jaeger. Device for detection of extraneous substances through a wall and a system for aiding the driving of automobiles or airplanes. 4,874,242, 10-17-89, Cl. 356-341.000.

Bezborodov, Vladimir S.; Grinkevich, Oleg A.; Grebenkin, Mikhail F.; Lapanik, Valery I.; Minko, Anatoly A.; Rzhussky, Vitaly V.; Muravsky, Anatoly A.; Petrov, Vladimir F.; and Ivaschenko, Alexandr V., to Nauchno-Issledovatelsky Institut Prikladnykh Fizicheskikh Problem Imeni A. N. Sevchenko. 2-(4,3-Disubstituted phenyl)-5-alkyl-1,3,2-dioxaborinane derivatives and liquid crystal material. 4,853,150, 8-1-89, Cl. 252-299.610.

Bezdek, James C.: *See—*
  Conrad, Morgan P.; Reichert, Thomas A.; and Bezdek, James C., 4,845,653, Cl. 364-521.000.

Bezdek, William J. Food spill catching and serving device. 4,887,315, 12-19-89, Cl. 2-49.00A.

Bezdetko, Gennady N.: *See—*
  Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.

Beze, Norman L.: *See—*
  Anderson, A. Jerome; and Beze, Norman L., 4,830,038, Cl. 136-251.000.

Bezier, Jean: *See—*
  Franzolini, Marc; Maria, Edmond; Vanderschaegbe, Alain; and Bezier, Jean, 4,848,645, Cl. 228-183.000.

Bezin, Michel. Bicycle pedal crank. 4,811,626, 3-14-89, Cl. 74-534.100.

Bezner, Baruch, to Technoset Ltd. Electroluminescent lighting elements. 4,855,190, 8-8-89, Cl. 428-690.000.

Bezoari, Massimo D., to Dow Chemical Company, The. Aminophenoxyphosphazenes and process for producing same. 4,864,047, 9-5-89, Cl. 558-80.000.

Bezos, Angel P.; and Fernandez, Emilio A., to Pulse Electronics, Inc. Timer circuit for drag operation in an engineman monitoring device. 4,862,433, 8-29-89, Cl. 368-108.000.

Bezos, Angel P.: *See—*
  Fernandez, Emilio A.; Bezos, Angel P.; and Kimball, Charles H., 4,840,056, Cl. 73-1.00H.

Bezue, Terry N.: *See—*
  Armstead, Kenneth W.; Bezue, Terry N.; and Obaseki, Kienuwa H., 4,847,123, Cl. 428-9.000.

Bezuk, Steve J.; Gheewala, Tushar R.; Campbell, Stephen A.; and Baeman, Robert J., to Unisys Corporation. Interconnect for layered integrated circuit assembly. 4,845,542, 7-4-89, Cl. 357-68.000.

Bezwada, Rao S.: *See—*
  Jamiolkowski, Dennis D.; Shalaby, Shalaby W.; Bezwada, Rao S.; and Newman, Hugh D., Jr., 4,838,267, Cl. 128-335.500.

BG Innovations (SARL): *See—*
  Bonnard, Rene; Bonnard, Pierre; and Desclozeaux, Christopher, 4,887,990, Cl. 474-78.000.

BGB-Gesellschaft Reinmar John: *See—*
  Meyer, Rainer-Leo; John, Reinmar; Nagel, Rolf; and Muller, Gunter, 4,812,356, Cl. 428-220.000.

BHA Group, Inc.: *See—*
  Brennecke, James H.; and Mace, Robert E., 4,813,985, Cl. 55-378.000.
  Brennecke, James H.; and Mace, Robert E., 4,867,771, Cl. 55-378.000.

Bhadra, Dilip K.; Creedon, Richard L.; Harder, C. Ross; and Bourque, Robert F., to General Atomics. Combined wheel/brake apparatus using electro-rheological fluid. 4,802,560, 2-7-89, Cl. 188-264.00F.

Bhadra, Dilip K.; Creedon, Richard L.; and Harder, C. Ross, to GA Technologies Inc. Combined valve/cylinder using electro-rheological fluid. 4,840,112, 6-20-89, Cl. 91-459.000.

Bhagat, Jayant K., to General Motors Corporation. Method of fabricating a lateral dual gate thyristor. 4,861,731, 8-29-89, Cl. 437-51.000.

Bhagat, Jayant K.: *See—*
  Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., 4,810,350, Cl. 204-412.000.
  Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., 4,810,529, Cl. 427-123.000.

Bhagavatula, Venkata A., to Corning Glass Works. Data rate limiter for optical transmission system. 4,804,248, 2-14-89, Cl. 350-96.150.

Bhagavatula, Venkata A., to Corning Incorporated. Few-mode/single-mode fiber. 4,877,304, 10-31-89, Cl. 350-96.290.

Bhagavatula, Venkata A.; and Charlton, David E., to Corning Incorporated. Asymmetrical bidirectional telecommunication system. 4,889,404, 12-26-89, Cl. 350-96.160.

Bhagwat, Anil G., to Xerox Corporation. Sealed bearing assembly. 4,842,423, 6-27-89, Cl. 384-130.000.

Bhagwat, Pradeep: *See—*
  Walter, Richard T.; Bhagwat, Pradeep; and Lipa, George W., 4,853,607, Cl. 320-36.000.

Bhagwat, Pradeep M.; Elson, Donald E.; and Walter, Richard T., to Black & Decker, Inc. Corded/cordless dual-mode power-operated device. 4,835,409, 5-30-89, Cl. 307-64.000.

Bhagwat, Pradeep M.; Elson, Donald E.; and Walter, Richard T., to Black & Decker, Inc. Dual-mode corded/cordless system for power-operated devices. 4,835,410, 5-30-89, Cl. 307-64.000.

Bhalaik, Arun; Braddick, Peter W.; Brittin, Darryl S.; and Johnson, Gerald L., to Santa Fe International Corporation. Mobile marine operations structure. 4,808,036, 2-28-89, Cl. 405-217.000.

Bhar, Inc.: *See—*
  Bhargava, N. Norm; and Barua, Jayanta L., 4,821,904, Cl. 220-3.200.

Bhardwaj, Chhaya: *See—*
  Khan, Mirza M. T.; Bhardwaj, Ramesh C.; and Bhardwaj, Chhaya, 4,802,963, Cl. 204-157.500.

Bhardwaj, R. Chandra: *See—*
  Khan, M. M. Taqui; and Bhardwaj, R. Chandra, 4,889,604, Cl. 204-157.500.

Bhardwaj, Ramesh C.: *See—*
  Khan, Mirza M. T.; Bhardwaj, Ramesh C.; and Bhardwaj, Chhaya, 4,802,963, Cl. 204-157.500.

Bhargava, Akhil: *See—*
  Hertel, Richard J.; Delforge, Adrian C.; Mears, Eric L.; MacIntosh, Edward D.; Jennings, Robert E.; and Bhargava, Akhil, 4,836,733, Cl. 414-225.000.

Bhargava, Kuldeep K.; Chervu, Lakshman R.; and Blaufox, M. Donald, to Albert Einstein College of Medicine of Yeshiva University. Radioiodohippuric acid ester, a conjugate thereof, and methods of making the same. 4,883,650, 11-28-89, Cl. 424-1.100.

Bhargava, Kuldeep K.: *See—*
  Chervu, Lakshman R.; Bhargava, Kuldeep K.; and Blaufox, M. Donald, 4,883,862, Cl. 530-331.000.

Bhargava, N. Norm; and Barua, Jayanta L., to Bhar, Inc. Electrical outlet box with improved cable entry aperture knockout panel. 4,821,904, 4-18-89, Cl. 220-3.200.

Bhargava, Vikram; and Heberling, James R., to Hayes Microcomputer Products, Inc. Standoff and grounding clip assembly. 4,855,873, 8-8-89, Cl. 361-424.000.

Bhargava, Vikram; and Heberling, James R., to Hayes Microcomputer Products, Inc. Molded slanted front panel bezel for electronics enclosure. 4,857,378, 8-15-89, Cl. 428-99.000.

Bhargava, Vikram; and Heberling, James R., to Hayes Microcomputer Products, Inc. Receptacle panel for electronic device providing simple assembly and RFI suppression. 4,873,394, 10-10-89, Cl. 174-35.00R.

Bhargava, Vikram: *See—*
  Muller, Peter H.; Lowe, Peter E.; Bleske, Randy J.; Bhargava, Vikram; Heberling, James R.; and Muntner, Donald A., 4,866,215, Cl. 174-50.000.

Bharj, Gurnam S.: *See—*
  Smith, Michael S.; and Bharj, Gurnam S., 4,850,896, Cl. 439-489.000.

Bhaskar, Eldurkar V.; Leban, Marzio A.; and Angerstein, Michael D., to Hewlett-Packard Company. Process for producing patterns in dielectric layers formed by plasma enhanced chemical vapor deposition (PECVD). 4,844,945, 7-4-89, Cl. 427-39.000.

Bhaskar, Eldurkar V.; and Leban, Marzio A., to Hewlett-Packard Company. Integrated thermal ink jet printhead and method of manufacture. 4,847,630, 7-11-89, Cl. 346-1.100.

Bhaskar, Kasi S.; and Peckol, James K., to John Fluke Mfg. Co., Inc. Virtual machine programming system. 4,849,880, 7-18-89, Cl. 364-200.000.

Bhaskar, Udaya, to Communications Satellite Corporation. Method for detection and correction of errors in speech pitch period estimates. 4,809,334, 2-28-89, Cl. 381-49.000.

Bhat, Deepak; and Shah, Dhirajlal, to GTE Valenite Corporation. Silicon nitride cutting tool. 4,881,950, 11-21-89, Cl. 51-307.000.

Bhat, Deepak G.: *See—*
  Cho, Toshiaki; Narasimhan, Krishnan; and Bhat, Deepak G., 4,830,886, Cl. 427-249.000.

Bhat, Dinesh, to James River Corporation. Uniform fluid distribution system. 4,809,744, 3-7-89, Cl. 137-561.00A.

Bhat, Gulgunji R.; Lukenbach, Elvin R.; and Stutzman, Ralph C., to Johnson & Johnson Consumer Products, Inc. Skin care compositions. 4,800,076, 1-24-89, Cl. 424-69.000.

Bhat, Mahabaleshwar K. P.; Liu, Tung Y.; and Plescia, Carl T., to Ford Aerospace & Communications Corporation. Solar array stepping to minimize array excitation. 4,843,294, 6-27-89, Cl. 318-696.000.

Bhat, Mahabaleshwar K. P.: *See—*
  Garg, Subhash C.; and Bhat, Mahabaleshwar K. P., 4,848,706, Cl. 244-169.000.

Bhate, Suresh K.; and Vitale, Nicholas G., to Mechanical Technology Incorporated. Monocoil reciprocating permanent magnet electric machine with self-centering force. 4,827,163, 5-2-89, Cl. 310-15.000.

Bhateja, Chander P. Monitoring apparatus. 4,855,925, 8-8-89, Cl. 364-474.060.

Bhateja, Sudershan K.; and Pae, Kook D., to Minnesota Mining and Manufacturing Company. Crystalline vinylidene fluoride. 4,808,352, 2-28-89, Cl. 264-22.000.

Bhateja, Sudershan K.; Young, Chung I.; and Quan, Nancy N., to Minnesota Mining and Manufacturing Company. Monocomponent toner powder having strong preference for charging positively. 4,833,056, 5-23-89, Cl. 430-106.600.

Bhathena, Noshir M.: *See—*
  Bhowal, Prabir R.; Becker, James R.; Korinsky, George K.; and Bhathena, Noshir M., 4,843,856, Cl. 72-41.000.

Bhatia, Harsaran S.: *See—*
  Anantha, Narasipur G.; Bhatia, Harsaran S.; Gaur, Santosh P.; and Mauer, John L., IV, 4,796,069, Cl. 357-15.000.

Bhatia, Kamlesh K., to Du Pont de Nemours, E. I., and Company. Atmospheric pressure process for preparing pure cyclic esters. 4,835,293, 5-30-89, Cl. 549-274.000.

Bhatia, Rajkumar P., to Alcon Laboratories, Inc. Contact lens cleaning compositions containing a carboxy vinyl polymer. 4,839,082, 6-13-89, Cl. 252-174.120.

Bhatia, Sham P.: *See—*
  Stewart, Alexander; Furness, Duncan S.; and Bhatia, Sham P., 4,812,929, Cl. 360-77.070.

Bhatia, Usha: *See—*
  Hyldon, Roy; and Bhatia, Usha, 4,840,806, Cl. 426-270.000.

Bhatnagar, Madhu; and Opfer, Ronald E., Jr., to Holcroft/Loftus, Inc. Endothermic gas generator. 4,869,730, 9-26-89, Cl. 48-196.00R.

Bhatt, Bharat K.: *See—*
  Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.

Bhatt, Girish I.; Kulkarni, Subrao S.; Upasani, Chandrashekhar B.; and Bhatt, Mukundbhai; R., to Atul Products Limited, The. Water soluble direct black polyazo dyestuffs mixture. 4,816,034, 3-28-89, Cl. 8-641.000.

Bhatt, Kunjlata M. Medication administration system. 4,795,441, 1-3-89, Cl. 604-124.000.

Bhatt, Mukundbhai; R.: *See—*
  Bhatt, Girish I.; Kulkarni, Subrao S.; Upasani, Chandrashekhar B.; and Bhatt, Mukundbhai; R., 4,816,034, Cl. 8-641.000.

Bhattacharjee, Himangshu R., to Allied-Signal Inc. Kit and method for detecting lithium ions. 4,804,630, 2-14-89, Cl. 436-74.000.

Bhattacharjee, Himangshu R., to LifeLines Technology, Inc. Activatable time-temperature indicator. 4,812,053, 3-14-89, Cl. 374-102.000.

Bhattacharjee, Himangshu R.: *See—*
  Khanna, Yash P.; Bhattacharjee, Himangshu R.; Kumar, Rakesh; Williams, Jon I.; and Sibilia, John P., 4,876,127, Cl. 428-35.700.

Bhattacharya, Ajit K.; Bolmer, Michael S.; and Prada-Silva, Guillermo, to Texaco Inc. Base-modified zeolite-containing catalysts for the conversion of synthesis gas to alcohols. 4,822,825, 4-18-89, Cl. 518-714.000.

Bhattacharya, Ajit K., to Texaco Inc. Catalyst for preparation of dimethyl carbonate. 4,879,266, 11-7-89, Cl. 502-164.000.

Bhattacharya, Ajit K.: *See—*
  Prada-Silva, Guillermo; and Bhattacharya, Ajit K., 4,824,869, Cl. 518-714.000.
  Prada-Silva, Guillermo; Patel, Jitendra A.; and Bhattacharya, Ajit K., 4,886,772, Cl. 502-200.000.

Bhattacharya, Amor, to Trans-Tech Industries, Inc. Control apparatus. 4,817,862, 4-4-89, Cl. 236-10.000.

Bhattacharya, Arup K.: *See—*
  Shah, Imran A.; and Bhattacharya, Arup K., 4,862,402, Cl. 364-724.120.
  Shah, Imran A.; and Bhattacharya, Arup K., 4,864,529, Cl. 364-760.000.

Bhattacharya, Bhabatosh: *See—*
  Mamuzic, Rastko I.; and Bhattacharya, Bhabatosh, 4,835,322, Cl. 568-639.000.

Bhattacharya, Debanshu: *See—*
  Jackson, Charles R.; Rellis, Daniel, Jr.; Pielet, Howard M.; Bhattacharya, Debanshu; Frank, Larry A.; Dasgupta, Purnendu; and Knoepke, John R., 4,852,632, Cl. 164-437.000.

Bhattacharya, Rabi S.; Rai, Amarendra K.; Pronko, Peter P.; and Raffoul, Charbel, to Universal Energy Systems, Inc. Corrosion resistant amorphous metallic coatings. 4,863,810, 9-5-89, Cl. 428-661.000.

Bhattacharyya, Alakananda, to UOP. Process for removing sulfur oxide and nitrogen oxide. 4,830,840, 5-16-89, Cl. 423-239.000.

Bhattacharyya, Arup: *See—*
  Bass, Roy S., Jr.; Bhattacharyya, Arup; and Grise, Gary D., 4,870,470, Cl. 357-23.500.

Bhattacharyya, Bhupati R., to Nalco Chemical Company. Cross-linked cationic polymers for use in personal care products. 4,806,345, 2-21-89, Cl. 424-70.000.

Bhattacharyya, Bidyut K.; and Tosaya, Eric S., to Intel Corporation. Process for bonding die to substrate using a gold/silicon seed. 4,810,671, 3-7-89, Cl. 437-209.000.

Bhattacharyya, Bidyut K.: *See—*
  Mallik, Debendra; and Bhattacharyya, Bidyut K., 4,835,120, Cl. 437-209.000.

Bhattacharyya, Dhirendra N.: *See—*
  Ghosh, Pushpito K.; Bhattacharyya, Dhirendra N.; Iyer, Rama S.; Chikale, Sudhakar V.; Chattopadhyay, Arun K.; Paul, Sasanka S.; and Rao, Vattipalli M., 4,808,251, Cl. 149-2.000.

Bhattacharyya, Manoj K.; Davidson, Robert J.; and Gill, Hardayal S., to Hewlett-Packard Company. Compensated magneto-resistive head 4,881,143, 11-14-89, Cl. 360-113.000.

Bhatti, Gurdish K.: *See—*
  Edgren, David E.; Magruder, Judy A.; and Bhatti, Gurdish K., 4,871,548, Cl. 424-488.000.

Bhatti, Mohinder S., to Owens-Corning Fiberglas Corporation. Feeder for glass fibers and method of producing. 4,886,535, 12-12-89, Cl. 65-1.000.

Bhavnani, Anil: *See—*
  Shipley, Dale L.; Arnett, Joan D.; Arnett, William A.; Baum, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Maty; and Yamada, David H., 4,819,159, Cl. 364-200.00

BHL - Sportartikel - Vertriebs GmbH: *See—*
  Lothar, Eggerstorfer, 4,807,876, Cl. 272-123.000.

BHMW Partnership: *See—*
  Brown, Thomas R.; Hurd, Frederick E.; and Moyer, Daniel A., 4,815,256, Cl. 53-468.000.

Bhogal, Balbir S., to A. H. Robins Company, Incorporated. Live vaccine for coccidiosis utilizing coccidial sporozoites. 4,808,404, 2-28-8 Cl. 424-88.000.

Bhowal, Prabir R.; Becker, James R.; Korinsky, George K.; and Bhathena, Noshir M., to Cameron Iron Works USA, Inc. Method forging dual alloy billets. 4,843,856, 7-4-89, Cl. 72-41.000.

BHS - Bayerische Berg-, Hutten- and Salzwerke AG: *See—*
  Heidrich, Gunther, 4,802,882, Cl. 464-99.000.

BHS-Bayerische Berg-, Hutten- und Salzwerke Aktiengesellschaft: *See—*
  Mosburger, Hans, 4,818,330, Cl. 156-473.000.

Bhuvaneshwar, G. S., to Sree Chitra Tirunal Inst. for Medical Science & Technology. Heart valve assembly. 4,822,355, 4-18-89, Cl. 623-2.000.

Bi Inc.: *See—*
  Carroll, Gary T., 4,857,893, Cl. 340-572.000.
  Dickerson, Brian E., 4,812,823, Cl. 340-572.000.

Biagi, Hubert J.: *See—*
  Meinel, Walter B.; and Biagi, Hubert J., 4,795,518, Cl. 156-285.00

Biagini, Guido, to Sundstrand Corporation. Removable thermal system. 4,830,096, 5-16-89, Cl. 165-41.000.

Biagini, Guido: *See—*
  Wehner, Jeffrey M.; Bettenga, James L.; Biagini, Guido; Godecke, William J.; and Wigmore, David B., 4,869,071, Cl. 62-133.00

Biagini, Livio, to B-ART S.r.l. Valve system for reciprocating engines 4,872,430, 10-10-89, Cl. 123-188.00A.

Biale, John, to Union Oil Company of California. Polymeric opaque particles and process for making same. 4,829,102, 5-9-89, Cl. 523-201.000.

Biale, John, to Union Oil Company of California. Polymeric opaque particles and process for making same. 4,885,320, 12-5-89, Cl. 523-201.000.

Bialer, Meir: *See—*
  Friedman, Michael; Bialer, Meir; and Ziad, Hussein, 4,795,645, Cl. 424-468.000.

Bialick, Leonid, to DSP Group, Inc., The. Method for time-scale modification of speech information or speech 4,864,620, 9-5-89, Cl. 381-34.000.

Bialy, Heinz-Dieter: *See—*
  Schricker, Hanns; and Bialy, Heinz-Dieter, 4,830,614, Cl. 433-79.000.

Bianca, Giuseppe, to AMP Incorporated. Hood having an integral strain relief for use with electrical connectors. 4,822,286, 4-18-89, Cl. 439-610.000.

Biancalana, Donald D.: *See—*
  Brown, Tobias A.; Roos, Scott L.; Biancalana, Donald D.; and Westgaard, Donald J., 4,887,196, Cl. 362-148.000.

Biancale, Vito. Bow connector device for tarpaulin cover. 4,854,6 8-8-89, Cl. 296-100.000.

Bianchi, Edward A.; and Gutter, David H., to AMP Incorporated. for preparing coaxial cable and for positioning and connection coaxial connector therewith. 4,809,424, 3-7-89, Cl. 29-564.200.

Bianchi, Franco: *See—*
  Egloff, Anton; Kohler, Lothar; and Bianchi, Franco, 4,807,670, Cl. 139-448.000.

Bianchi, Giuseppe; Mussinelli, Gian L.; and Bazzoni, Bruno, to Oronzio de Nora S.A. System and use thereof for collecting chemical-physical, electrochemical and mechanical parameters for designing and operating cathodic protection plants. 4,795,539, 1-3-89, Cl. 204-147.000.

Bianchi, Giuseppe; and Faita, Giuseppe, to S.E.R.E. S.r.l. Electrochemical deoxygenation process for corrosion control in deionized water 4,830,721, 5-16-89, Cl. 204-151.000.

Bianchi International: *See—*
  Bianchi, John E.; and Nichols, Richard D. E., 4,815,641, 224-238.000.
  Bianchi, John E., 4,865,238, Cl. 224-193.000.

Bianchi, John E.; and Nichols, Richard D. E., to Bianchi International. Military holster with extensible flap lock. 4,815,641, 3-28-89, 224-238.000.

Bianchi, John E., to Bianchi International. Holster with interchangeable spring. 4,865,238, 9-12-89, Cl. 224-193.000.

Bianchi, Mario; and Barzaghi, Fernando, to Roussel Uclaf. Therapeutic compositions containing derivatives of acrylic acid having a gen-containing heterocycle, therapeutic treatment therewith and compounds. 4,814,348, 3-21-89, Cl. 514-469.000.

Bianchi, Maurice P., to TRW Inc. Method for cleaning critical surfaces. 4,836,860, 6-6-89, Cl. 134-21.000.

Bianchi, Raymond A.; Kistner, David; Oswald, Joseph; and Phelps, Elmer B., to Caterpillar Inc. Impacting mechanism. 4,852,662, 8-1-89, Cl. 173-119.000.

Bianchin, Eugenio; Longo, Giovanni; and Lunardon, Gian F., to Montedison S.p.A. Modified polyisocyanates with biuret structure and process for their preparation. 4,841,095, 6-20-89, Cl. 560-115.000.

Bianchini, Gregory M.: *See—*
  Holt, J. Birch; Kingman, Donald D.; and Bianchini, Gregory M., 4,877,759, Cl. 501-96.000.

Bianchini, William L.; Infantino, Robert; and Musarra, Vicent, to Rockport Company, The. Shoe structure. 4,835,884, 6-6-89, Cl. 36-24.500.

Bianchini, William L.; and Duclos, Gary P., to Highland Import Corporation. Shoe having a rigid back part. 4,852,275, 8-1-89, Cl. 36-102.000.

Bianco, Andrew S., to Dyson-Kissner-Moran Corporation, The. Liquid container with rotatable spout. 4,811,870, 3-14-89, Cl. 222-461.000.

Bianco, Carlo; and Susi, Pietro, to Fameccanica S.p.A. Method and apparatus for the production of perforated films, particularly perforated films of plastics material for sanitary articles. 4,806,303, 2-21-89, Cl. 264-5.040.

Bianco, Frank J., to Elexis Corporation. Pedometer and/or calorie measuring device and method. 4,855,942, 8-8-89, Cl. 364-561.000.

Bianco, James S.; Darcy, Emile; and Drummond, Bernard, to Control Module Inc. Bar code reader head. 4,816,659, 3-28-89, Cl. 235-462.000.

Bianco, Michael, to Del Monte Fresh Fruit Company. Method and apparatus for controlling the ripening of fresh produce. 4,824,685, 4-25-89, Cl. 426-418.000.

Bianco, Rodolfo. Recoil absorber. 4,821,443, 4-18-89, Cl. 42-94.000.

Bianco, Rodolfo. Cleaning and polishing tool. 4,887,508, 12-19-89, Cl. 86-23.000.

Biancucci, Cesare. Floating device for supporting a swimmer floating on the water even in resting position. 4,798,550, 1-17-89, Cl. 441-129.000.

[illegible]

BICC Public Limited Company: *See—*
  Barnett, Malcolm D.; Driskel, Stephen P.; and Taylor, John E., 4,846,566, Cl. 350-96.230.
  Carroll, Clive R. E.; and Sen, Debasish, 4,832,269, Cl. 242-25.00R.
  Collier, John C.; and Reeves, Stuart J., 4,865,561, Cl. 439-391.000.
  Knipe, Charles D.; and Mather, Edward L., 4,798,443, Cl. 350-96.230.
  Radage, Paul; and Harvey, Peter, 4,869,573, Cl. 350-96.230.

BICC-VERO Electronics GmbH: *See—*
  Weiss, Harald, 4,864,468, Cl. 361-384.000.

Bice, Keith C. Restoration or drill buttons. 4,858,388, 8-22-89, Cl. 51-55.000.

Bichon, Daniel; and Lamy, Bernard, to Battelle Memorial Institute. Biodegradable polypeptide and the use thereof for the gradual release of drugs. 4,888,398, 12-19-89, Cl. 525-420.000.

Bichot, Bernard; and Louis, Bernard, to Isover Saint-Gobain. Process for manufacturing shells of mineral fibers. 4,830,808, 5-16-89, Cl. 264-257.000.

Bichot, Bernard; and Louis, Bernard, to Isover Saint-Gobain. Apparatus for the heat treatment of insulating materials using microwave energy and hot gas. 4,879,444, 11-7-89, Cl. 219-10.55A.

Bichsel, Heinz: *See—*
  Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, 4,800,950, Cl. 164-467.000.
  Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, 4,802,935, Cl. 148-437.000.

Bickel, Karl L.: *See—*
  Eberle, George F.; Bickel, Karl L.; and Brakeman, David B., 4,862,662, Cl. 52-299.000.

Bickel, Martin; and Baum, Albrecht, to MAN Technologie GmbH. Device for directing optical rays. 4,825,036, 4-25-89, Cl. 219-121.780.

Bickelhaupt, Friedrich; and van der Does, Thomas, to Shell Oil Company. Bisphosphine production. 4,874,897, 10-17-89, Cl. 568-13.000.

Bickelhaupt, Roger; and Rold, Michael D., to Baxter International Inc. Dispenser and method for an elongated flexible member. 4,850,974, 7-25-89, Cl. 604-171.000.

Bickelhaupt, Roger G., to Baxter International Inc. Package and lid with controlled tearing means. 4,858,821, 8-22-89, Cl. 229-123.100.

[illegible]

Bickler, Donald B.; Henry, Paul K.; and LoGiurato, D. Daniel, to California Institute of Technology. High resolution color band pyrometer ratioing. 4,815,841, 3-28-89, Cl. 356-43.000.
Bickler, Donald B., to United States of America, National Aeronautics and Space Administration. Articulated suspension system. 4,840,394, 6-20-89, Cl. 280-677.000.
Bickley, Alan, to Gates Rubber Company, The. Vehicle sensing device. 4,839,480, 6-13-89, Cl. 200-86.00A.
Bickley, Robert H.; Broughton, Christopher D.; and Pickett, Michael N., to Motorola, Inc. Nearly DC IF phase locked transceiver. 4,852,123, 7-25-89, Cl. 375-9.000.
Bicknell, Graham R.: *See—*
  Crawford, Peter F.; Maycock, Ian C.; and Bicknell, Graham R., 4,821,860, Cl. 192-107.00C.
Bicknell, John, to Bonar Bray Limited. Magnetic field sensor coil for being fitted around a motor shaft. 4,859,585, 6-13-89, Cl. 324-158.0MG.
Bicron Corporation: *See—*
  Hurlbut, Charles R., 4,833,320, Cl. 250-256.000.
  Johnston, Joseph G., 4,880,981, Cl. 250-369.000.
Bicycle Tools, Incorporated: *See—*
  Engstrom, Arthur B., 4,858,266, Cl. 15-111.000.
Bida, Sam. Plaque and method of making same. 4,883,554, 11-28-89, Cl. 156-219.000.
Bidal, Jean-Claude: *See—*
  Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, 4,830,627, Cl. 439-586.00.
  Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, 4,846,722, Cl. 439-439.000
Bidal, Rene M. R., to Ste Look. Device for fastening a shoe on a bicycle pedal. 4,840,086, 6-20-89, Cl. 74-594.600.
Bidanset, Edward J., to Textron, Inc. Air filter choke valve method and spitback shield. 4,834,784, 5-30-89, Cl. 55-385.700.
Bidanset, Edward J., to Textron, Inc. Cartridge air filter and method of making the same. 4,838,909, 6-13-89, Cl. 55-385.700.
Biddlecom, William G.: *See—*
  Kluender, Harold C.; Woessner, Warren D.; and Biddlecom, William G., 4,833,157, Cl. 514-530.000.
[illegible]

Biedermann, Robert E.; and Countryman, Albert J., to Esselte Pendaflex Corporation. Cutting apparatus for sheet material. 4,881,4 11-21-89, Cl. 83-879.000.
Biederstedt, Lutz; Gerke, Dieter; and Sander, Claus, to Krone Aktiengesellschaft. Splice cassette housing. 4,812,004, 3-14-89, Cl. 350-96.200.
Biederstedt, Lutz; and Muller, Manfred, to Krone Aktiengesellschaft. Communication system thermoprotection device for over voltage suppressor mounted in overvoltage suppressor magazines of communication systems. 4,887,183, 12-12-89, Cl. 361-124.000.
Biederstedt, Lutz: *See—*
  Gerke, Dieter; Muller, Manfred; and Biederstedt, Lutz, 4,822,29 Cl. 439-402.000.
  Gerke, Dieter; Biederstedt, Lutz; and Klaiber, Eberhard, 4,822,30 Cl. 439-417.000.
  Muller, Manfred; and Biederstedt, Lutz, 4,871,330, Cl. 439-709.00
Biegel, Donald R., to Tri-Albi Corporation. Ship hull constructio 4,802,427, 2-7-89, Cl. 114-61.000.
Biegel, Michael; and Goodman, Mark, to UE Systems, Inc. Ultrason transducer and current loop transmitter. 4,823,600, 4-25-89, C 73-592.000.
Biegel, Robert A., to Thrall Car Manufacturing Company. Railroad ca with brake system which applies less braking when empty than whe loaded. 4,826,259, 5-2-89, Cl. 303-22.200.
Biegeleisen, Ken P. Methods for prevention of post-inflammator hyperpigmentation. 4,835,191, 5-30-89, Cl. 514-708.000.
Biegen, James F., to Zygo Corporation. Coating and method for testi plano and spherical wavefront producing optical surfaces and sy- tems having a broad range of reflectivities. 4,820,049, 4-11-89, C 356-360.000.
Biegen, James F., to Zygo Corporation. Interferometric surface pro filer. 4,869,593, 9-26-89, Cl. 356-351.000.
Biegger, Dennis, to Eveready Battery Company. Battery terminal fa 4,879,187, 11-7-89, Cl. 429-7.000.
[illegible]

Bien, Alfred A.: *See—*
  Ballor, John R.; Ireland, Elton H.; and Bien, Alfred A., 4,848,032, Cl. 49-350.000.
Bieneck, Jurgen, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Drilling tool formed of a core-and-casing assembly. 4,813,823, 3-21-89, Cl. 408-59.000.
Bieneck, Jurgen, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Method of making a sintered body having an internal channel. 4,881,431, 11-21-89, Cl. 76-108.00R.
Bienert, Horst: *See—*
  Kohlpaintner, Georg; and Bienert, Horst, 4,883,311, Cl. 296-213.000.
Bieniewski, Thomas M.: *See—*
  Hull, Donald E.; and Bieniewski, Thomas M., 4,795,879, Cl. 219-121.590.
Bieniosek, Francis M., to McDonnell Douglas Corporation. Triple-resonance pulse transformer circuit. 4,833,431, 5-23-89, Cl. 333-20.000.
Bienstock, Rachelle J., to Texas Instruments Incorporated. Photochemical semiconductor etching. 4,861,421, 8-29-89, Cl. 156-635.000.
Bienvenu, Gerard-Pierre; Chaleat, Bernard; Dubruque, Dominique; Girardot, Jean-Claude; and Vaxelaire, Philippe, to Cerex. Production of metal powders by reduction of metal salts in fused bath. 4,820,339, 4-11-89, Cl. 75-0.5BB.
Bier, Axel, to Audi AG. Cooling system for a water-cooled vehicle engine. 4,804,139, 2-14-89, Cl. 236-35.000.
Bier, Bruce: *See—*
  Katz, Carlos; Dima, Attila; and Bier, Bruce, 4,822,952, Cl. 174-73.100
Bier, Peter: *See—*
  Fritsch, Karl H.; and Bier, Peter, 4,859,390, Cl. 264-143.000
Bierdeman, Donald H.: *See—*
  Hallett, Thomas D.; and Bierdeman, Donald H., 4,887,823, Cl. 280-19.000
[illegible]

  Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.
  Pfeiffer, Hans; Biermann, Manfred; Schroeder, Peter; Goebel, Gerd; and Mueller, Annemarie, 4,820,517, Cl. 424-195.100.
  Schmid, Karl H.; and Biermann, Manfred, 4,889,925, Cl. 536-18.600.
  Schroeder, Peter; Bouten, Hans; and Biermann, Manfred, 4,888,325, Cl. 514-25.000.
  Wisotzki, Klaus-Dieter; Guirr, Ortburg; Jeschke, Peter; Schumann, Klaus; Schmid, Karl-Heinz; and Biermann, Manfred, 4,839,098, Cl. 252-557.000.
Biermann, Robert J.: *See—*
  Tuominen, Steven M.; and Biermann, Robert J., 4,865,663, Cl. 148-402.000.
Biermann, Wendell J.: *See—*
  DeVault, Robert C.; and Biermann, Wendell J., 4,827,728, Cl. 62-79.000.
Biernaux, Alain; and Laude, Lucien, to Lasers Applications Belgium, en abrege Label S.A. Apparatus for pinpoint laser-assisted electroplating of metals on solid substrates. 4,826,583, 5-2-89, Cl. 204-224.00R.
Biersach, James E., to Alerting Communicators of America. Electronic warning apparatus. 4,796,009, 1-3-89, Cl. 340-388.000.
Bierschenk, Thomas R.; Juhlke, Timothy J.; and Lagow, Richard J., to Exfluor Research Corporation. Perfluorination of ethers in the presence of hydrogen fluoride scavengers. 4,859,747, 8-22-89, Cl. 525-409.000.
Bierschenk, Thomas R.: *See—*
  Juhlke, Timothy J.; Bierschenk, Thomas R.; and Lagow, Richard J., 4,803,005, Cl. 252-58.000.
[illegible]

Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.
  Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,874,266, Cl. 403-407.100.
Biggerstaff, Bruce A. Pipe inspection method and device. 4,866,978, 9-19-89, Cl. 73-405.00R.
Biggerstaff, Charles E.: *See—*
  Campbell, Michael L.; Williams, Benjamin G.; Riffle, Rob G.; and Biggerstaff, Charles E., 4,876,051, Cl. 264-127.000.
Biggio, Raymond. Paint and brush holder. 4,860,891, 8-29-89, Cl. 206-362.000.
Biggs, David A.: *See—*
  Pirault, Jean P.; Rowbotham, Mervyn; and Biggs, David A., 4,884,900, Cl. 384-434.000.
Biggs, Michael A.; and Jaeger, James L., to Cincinnati Microwave, Inc. Police radar signal band discrimination circuitry for a police radar warning receiver. 4,862,175, 8-29-89, Cl. 342-20.000.
Biggs, Roger: *See—*
  Standford, Richard T. A.; and Biggs, Roger, 4,859,960, Cl. 329-126.000.
Biggs, Roger T.: *See—*
  Goodchild, Edward J. G.; Standford, Richard T. A.; and Biggs, Roger T., 4,829,266, Cl. 329-50.000.
Biggs, William W.: *See—*
  Wurm, John H.; Midderdorf, Lyle R.; and Biggs, William W., 4,867,563, Cl. 356-328.000.
Bigler, Charles G.: *See—*
  Lin, Paul T.; McShane, Michael B.; Bigler, Charles G.; and Goertz, John A., 4,837,184, Cl. 437-217.000.
Bigler, John M.: *See—*
  Gunn, Erwin T.; Bigler, John M.; and Hamill, Patrick J., 4,799,600, Cl. 220-1.500.
Bigley, James E.: *See—*
  Ostroski, Richard J.; Bigley, James E.; Falk, John L.; and Sallee, E. Charles, [illegible]15, Cl. 15-353.000.
  Ostroski, Richard J.; Bigley, James E.; Falk, John L.; and Sallee, E. Charles, [illegible]76, Cl. 15-328.000.
  Ostroski, Richard J.; Bigley, James E.; Falk, John L.; and Sallee, E. Charles, [illegible]9, Cl. 15-327.00F.
[illegible] *See—*
  [illegible] R.; and Bigliardi, Achille M., [illegible]02,768, Cl. [illegible]
[illegible] Mattiussi, Andrea; and Vittadini, Giorgio, to [illegible] polymeric blends based on vinyl-aromatic poly[illegible] high tenacity and chemical resistance. 4,814,374, [illegible]000.
[illegible] and Fasulo, Gian C., to Montedipe S.p.A. High-[illegible]lity polymeric blends. 4,849,472, 7-18-89, Cl. [illegible]
[illegible] and Fasulo, Gian C., to Montedipe S.p.A. Blends [illegible]tic polymers endowed with improved charac[illegible] resistance. 4,866,124, 9-12-89, Cl. 525-67.000.
[illegible] and Fasulo, Gian Claudio, to Montedipe S.p.A. [illegible] coextruded slabs and structural shapes. [illegible] 428-412.000.
[illegible] *See—*
  [illegible] Fasulo, Gian C.; Biglione, Gianfranco; and [illegible] 49,473, Cl. 525-86.000.
[illegible] Maut, Francois, to International Business Ma[illegible] Method and device for protecting modems [illegible] 339, 4-18-89, Cl. 370-32.100.
[illegible] rance S.A. Folding push-chair for a child. [illegible] 280-642.000.
[illegible] Marc, to Poclain Hydraulics. Rotary mounting [illegible] wheel relative to a frame. 4,848,933, 7-18-89, Cl. [illegible]
[illegible] Calzaturificio Duegi S.r.l. Sole structure for [illegible] 65, 5-2-89, Cl. 36-131.000.
[illegible] ze, Martine; Bruneel, C.; and Bigotte, Jean L., [illegible] 631.000.
[illegible] Oldham, Susan L.; Elias, William E.; and Bigus, [illegible] 901, Cl. 549-215.000.
[illegible] Elias, William E.; Bigus, Stephen J.; and Lau, [illegible] 874,643, Cl. 427-340.000.
[illegible] Drury, Finvola. Method for the treatment of [illegible] HTLV-III (AIDS) virus. 4,888,346, 12-19-89, [illegible]
[illegible] ari, Ferenc; Kertesz nee Szabo, Marianna; Kuro[illegible] oros, Peter; Szulagyi, Janos; Meszaros, Jeno; [illegible] Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; [illegible] aszlo, 4,806,151, Cl. 71-111.000.
[illegible] o Sundstrand Corporation. Seal assembly with [illegible] er layer. 4,836,559, 6-6-89, Cl. 277-26.000.
[illegible] Jurgen; Ruechel, Frank; and Stoyke, Reinhard, to [illegible] Method of installing a mineral fibre material [illegible] m, a mineral fibre strip suitable for carrying out [illegible] method of producing the mineral fibre strip. [illegible] Cl. 52-743.000.
[illegible] and Bijl, Hugo, 4,844,908, Cl. 424-474.000.

Bijma, Jan; and Van Den Beld, Antonius J. M., to U.S. Philips Corporation. Color display tube having electrode converging means. 4,890,032, 12-26-89, Cl. 313-412.000.
Bikkina, Krishnayya: *See—*
  Phillips, Reginald; Bikkina, Krishnayya; and Khan, Sadath U., 4,816,264, Cl. 424-468.000.
Bikson, Benjamin; and Giglia, Salvatore, to Union Carbide Corporation. Tubesheet for semipermeable membrane devices. 4,800,019, 1-24-89, Cl. 210-321.800.
Bikson, Benjamin; and Nelson, Joyce K., to Union Carbide Corporation. Composite membranes and their manufacture and use. 4,826,59[illegible], 5-2-89, Cl. 210-500.300.
Bikson, Benjamin; and Giglia, Salvatore, to Union Carbide Corporation. Treatment of permeable membranes. 4,877,421, 10-31-89, Cl. 55-16.000.
Bikson, Benjamin; Miller, James E.; and Nelson, Joyce K., to Union Carbide Corporation. Permeable membranes for enhanced gas separation. 4,881,954, 11-21-89, Cl. 55-16.000.
Bikson, Benjamin; and Giglia, Slavatore, to Union Carbide Corporation. Method for gas separation using helically wound hollow fiber permeable membrane cartridge. 4,881,955, 11-21-89, Cl. 55-16.000.
Bikson, Benjamin: *See—*
  Williams, Samuel C.; Bikson, Benjamin; Nelson, Joyce K.; and Burchesky, Robert D., 4,840,819, Cl. 427-245.000.
Bil-Jax, Inc.: *See—*
  Wyse, Steven J., 4,825,976, Cl. 182-222.000.
Bilas, Michael. Automobile wheel lift. 4,797,058, 1-10-89, Cl. 414-563.000.
Bilawa, Hans; and Neumann, Eberhard, to Krupp Polysius AG. Method and burner for burning fuel. 4,846,666, 7-11-89, Cl. 431-8.000.
Bilbo, Raymond E.: *See—*
  O'Lenick, Anthony J., Jr.; and Bilbo, Raymond E., 4,830,768, Cl. 252-49.300.
Bilco Company, The: *See—*
  Lyons, Robert, Sr., 4,873,791, Cl. 49-386.000.
Bildl, Erich: *See—*
  Baueregger, Rolf; Bildl, Erich; and Dietl, Josef, 4,871,117, Cl. 241-23.000.
Bildner, Karlheinz: *See—*
  Ruehl, Karl; and Bildner, Karlheinz, 4,833,018, Cl. 428-332.000.
Bildtsen, Sven, to AB Volvo. Device for fixing an object against a supporting surface. 4,830,529, 5-16-89, Cl. 403-4.000.
Bilek, Andrew G.: *See—*
  Foster, Joseph C., Jr.; and Bilek, Andrew G., 4,878,415, Cl. 89-34.000.
Biles, Jonathan R.: *See—*
  Halter, Joseph M.; Hartman, John S.; Lind, Michael A.; Skeen, Eugene; Swanson, John W.; and Biles, Jonathan R., 4,825,41[illegible], Cl. 369-275.000.
Bilger, Edgar; and Wolf, Hubert, to Degussa Aktiengesellschaft. Method for the colorimetric determination of the cyanide concentration of aqueous solutions. 4,871,681, 10-3-89, Cl. 436-109.000.
Bilger, Gerhard; Mader, Helmut; and Matzagg, Erich, to Mauser-Werke Oberndorf GmbH. Device for repositioning ammunition feed of an automatic weapon. 4,876,939, 10-31-89, Cl. 89-33.040.
Bilger, Gerhard; Mader, Helmut; and Matzagg, Erich, to Mauser-Werke Oberndorf GmbH. Automatic machine gun. 4,876,94[illegible], 10-31-89, Cl. 89-141.000.
Bilicki, Donald G. Tanner's platform. 4,856,520, 8-15-89, Cl. 128-372.000.
Bilka, Kenneth P.: *See—*
  Glass, Michael; Bilka, Kenneth P.; and Guzowski, Anthony, 4,828,820, Cl. 424-48.000.
  Glass, Michael; Bilka, Kenneth P.; Guzowski, Anthony; and Malnowski, Eva, 4,834,986, Cl. 426-3.000.
Bilkadi, Zayn, to Minnesota Mining and Manufacturing Company. Photocurable abrasion resistant coatings comprising silicon dioxide dispersions. 4,885,332, 12-5-89, Cl. 524-714.000.
Billarant, Patrick J.; and Queval, Bruno, to Aplix, S.A. Method for attaching a fastening tape to a molded article. 4,802,939, 2-7-89, Cl. 156-155.000.
Bille, Josef. Apparatus for, and method of, examining eyes. 4,838,67[illegible], 6-13-89, Cl. 351-205.000.
Bille, Josef F.; and Brown, Stuart I., to Intelligent Surgical Lasers. Eyetracker and method of use. 4,848,340, 7-18-89, Cl. 128-303.1[illegible].
Bille, Josef F.; and Brown, Stuart I., to Intelligent Surgical Lasers. Imaging system for surgical lasers. 4,881,808, 11-21-89, Cl. 351-221.000.
Biller, Dieter; and Biller, Joachim, to TRW Repa GmbH. Device for height adjustment of a safety belt fitting. 4,872,704, 10-10-89, Cl. 280-808.000.
Biller, Efim. Process for recovery of polyarylpolyamines. 4,798,8[illegible], 1-17-89, Cl. 564-334.000.
Biller, Horst; Bellmann, Manfred; Nickel, Wilhelm; and Kuemmerling, Rolf, to Mannesmann AG. Making seamless pipes, over 200 mm in diameter. 4,848,124, 7-18-89, Cl. 72-97.000.
Biller, Joachim: *See—*
  Biller, Dieter; and Biller, Joachim, 4,872,704, Cl. 280-808.000.
Biller, Scott A.; and Misra, Raj N., to E. R. Squibb & Sons, Inc. 1,2,3,4-tetrahydro-8-quinolinol derivatives and anti-allergic use thereof. 4,843,082, 6-27-89, Cl. 514-311.000.
Biller, Scott A., to E. R. Squibb & Sons, Inc. Phosphorus-containing squalene synthetase inhibitors. 4,871,721, 10-3-89, Cl. 514-102.000.
Billet, Colin T.: *See—*
  Baggett, David; Bateman, Alan; and Billet, Colin T., 4,823,727, Cl. 116-272.000.

Billet, Daniel, to Thomson-CSF. Compensating sensor device for a charge amplifier circuit used in piezoelectric hydrophones. 4,835,747, 5-30-89, Cl. 367-164.000.
Billet, Rene: *See—*
  Casse, Pierre; and Billet, Rene, 4,844,222, Cl. 192-3.280.
Billet, Colin T.; Fielding, Robert M.; and Smith, Stephen N., to Domnick Hunter Filters Limited. Filter element and method of making a filter element. 4,838,905, 6-13-89, Cl. 55-486.000.
Billet, Jeannine. Fluoride-free flux compositions for hot galvanization in aluminum-modified zinc baths. 4,802,932, 2-7-89, Cl. 148-23.000.
Billet, Romain L., to Solid Micron Materials, Pte, Ltd. Method of making articles from sinterable materials. 4,795,598, 1-3-89, Cl. 264-60.000.
Billig, Ernst; Abatjoglou, Anthony G.; and Bryant, David R., to Union Carbide Corporation. Bis-phosphite compounds. 4,885,401, 12-5-89, Cl. 568-454.000.
Billig, Ernst: *See—*
  Maher, John M.; Billig, Ernst; and Bryant, David R., 4,835,299, Cl. 558-85.000.
  Miller, David J.; Bryant, David R.; Billig, Ernst; and Shaw, Bernard L., 4,861,918, Cl. 568-454.000.
Billing, Robert: *See—*
  Barton, Nicholas; and Billing, Robert, 4,847,691, Cl. 358-160.000.
  Barton, Nicholas; Billing, Robert; and Burgess, Paul K., 4,879,597, Cl. 358-88.000.
Billinger, Randy J.; Dotter, Laurel K.; and Gassway, Tommy D., to American Telephone and Telegraph Company, AT&T Information Systems Inc. Communication facilities access control arrangement. 4,799,255, 1-17-89, Cl. 379-189.000.
Billings, Christopher E. Drum muffling, sound enhancing device. 4,805,514, 2-21-89, Cl. 84-411.00M.
Billings, David L., to General Electric Company. Connection arrangement. 4,889,443, 12-26-89, Cl. 403-365.000.
Billings, John H., to Stroh Brewery Company, The. Malt beverages with improved flavor and method of making same. 4,816,280, 3-28-89, Cl. 426-548.000.
Billings, John K.: *See—*
  Hosack, James M.; Powers, Jeffry E.; and Billings, John K., 4,887,246, Cl. 367-140.000.
  Hosack, James M.; Powers, Jeffry E.; and Billings, John K., 4,888,086, Cl. 156-639.000.
Billings, Robert L.; Bowers, Mark A.; and Meier, Frankie G., to American Telephone and Telegraph Company, AT&T Information Systems Inc. Power regulator for a contactless credit card system. 4,797,541, 1-10-89, Cl. 235-449.000.
Billings, Scott C.: *See—*
  Quinn, Pat A.; and Billings, Scott C., 4,837,066, Cl. 428-95.000.
Billings, Wayne E.; Phillips, Robert F.; and Gantzhorn, John E., Jr., to Otari Electric Company, Ltd. High speed contact printing process for prerecorded magnetic tape. 4,882,636, 11-21-89, Cl. 360-16.000.
Billings, William W.; and Fox, David A., to Westinghouse Electric Corp. Bi-directional DC power controller with fault protection. 4,835,652, 5-30-89, Cl. 361-79.000.
Billings, William W.; and Fox, David A., to Westinghouse Electric Corp. Solid state power controller. 4,864,214, 9-5-89, Cl. 323-289.000.
Billington, Donald G.: *See—*
  Gordon, Alan J.; and Billington, Donald G., 4,874,582, Cl. 422-102.000.
Billington, Richard W.; and Williams, Jill A., to Dentsply Limited. Glass/poly(carboxylic acid) cement compositions. 4,797,431, 1-10-89, Cl. 523-116.000.
Billington, Richard W.; and Williams, Jill A., to Dentsply Limited. Glasses and poly(carboxylic acid) cement compositions containing them. 4,814,362, 3-21-89, Cl. 523-117.000.
Billington, Richard W.; and Williams, Jill A., to Dentsply Limited. Glass/poly (carboxylic acid) cement compositions. 4,861,808, 8-29-89, Cl. 523-116.000.
Billini, Francisco X. Gearing for multiple-use bicycles. 4,856,376, 8-15-89, Cl. 74-750.00B.
Billino, Susanne: *See—*
  Herrmann, Heinz; Schlosser, Hans-Joachim; and Billino, Susanne, 4,842,990, Cl. 430-272.000.
Billiotte, Jean-Marie; Bouin, Thierry; Basset, Frederic; Beauvois, Jacques; and Primat, Didier, to French Limited Company - Centaure Robotique. Automatic method of optically scanning a two-dimensional scene line-by-line and of electronically inspecting patterns therein by "shape-tracking". 4,881,269, 11-14-89, Cl. 382-8.000.
Billman, Elizabeth R.: *See—*
  Mehrotra, Pankaj K.; and Billman, Elizabeth R., 4,801,510, Cl. 428-698.000.
  Mehrotra, Pankaj K.; Swiokla, Joyce L.; and Biliman, Elizabeth R., 4,820,663, Cl. 501-87.000.
  Mehrotra, Pankaj K.; Billman, Elizabeth R.; and North, Bernard, 4,852,999, Cl. 51-309.000.
Billman, Fred L.; Shih, Lih-Bin; and Verbrugge, Calvin J., to S. C. Johnson & Son, Inc. 1-Alkene/excess maleic anhydride polymers. 4,871,823, 10-3-89, Cl. 526-272.000.
Billman, Timothy B.; and Goodman, Joseph R., to AMP Incorporated. Burn-in socket for gull wing integrated circuit package. 4,824,392, 4-25-89, Cl. 439-331.000.
Billman, Timothy B.; and Goodman, Joseph R., to AMP Incorporated. Burn-in socket for gull wing integrated circuit package. 4,886,470, 12-12-89, Cl. 439-266.000.
Billmers, Robert L.; Del Giudice, David M.; Tessler, Martin M.; and Hawley, Michael J., to National Starch and Chemical Corporation. Polysaccharides containing aromatic aldehydes and their derivatization via amine-aldehyde interactions. 4,839,449, 6-13-89, Cl. 526-238.200.
Billmers, Robert L.: *See—*
  Tessler, Martin M.; Billmers, Robert L.; and Tsai, John J., 4,804,769, Cl. 549-374.000.
  Tsai, John J.; Jobe, Patrick G.; and Billmers, Robert L., 4,866,151, Cl. 527-300.000.
Billner, Werner: *See—*
  Lovas, Kurt; and Billner, Werner, 4,819,420, Cl. 57-263.000.
Billon, Michel: *See—*
  Haas, Jean-Luc; Deymie, Beruard; Millet, Pierre; and Billon, Michel, 4,844,912, Cl. 426-46.000.
Billoud, Alain; Lorin, Victor; and Vanney, Alain, to Carnaud Kerplas. Bottle with rounded bottom fitted with a base and provided with a passage for a heat-exchange fluid and base for same. 4,817,806, 4-4-89, Cl. 215-12.100.
Billoue, Jean-Paul, to Framatome. Device for the fluidtight closure of an aperture extending through a wall. 4,811,759, 3-14-89, Cl. 138-89.000.
Billows, Mitchell J.: *See—*
  Jones, Richard E.; and Billows, Mitchell J., 4,844,140, Cl. 160-310.000.
Bills, Earl C. Portable multiple section adjustable posture contour care bed. 4,802,249, 2-7-89, Cl. 5-420.000.
Billy Pugh Co., Inc.: *See—*
  Pugh, Billy G., 4,841,892, Cl. 114-190.000.
  Pugh, Billy G., 4,883,301, Cl. 294-77.000.
Bilotta, Thomas R.: *See—*
  Shumate, William A.; Kindred, Daniel R.; Antonio, Franklin P.; Gardner, Steven H.; Kelkar, Krishnanand; Bilotta, Thomas R.; and Rogers, Steven L., 4,879,720, Cl. 371-43.000.
Bilow, Norman: *See—*
  DuPont, Preston S.; and Bilow, Norman, 4,864,016, Cl. 528-353.000.
Bilstad, Arnold: *See—*
  Miripol, Jeffrey E.; Bilstad, Arnold; Foley, John; and Glash, Dean, 4,866,282, Cl. 250-455.100.
Bilstad, Arnold C.: *See—*
  Bacehowski, David V.; Bilstad, Arnold C.; Huehls, Patrick N.; Kaufman, Stephen B.; and Miripol, Jeffrey E., 4,846,005, Cl. 73-864.810.
  Kaufman, Stephen B.; Patterson, Robert; Bacehowski, David V.; Bilstad, Arnold C.; and Huehls, Patrick N., 4,820,297, Cl. 604-409.000.
  Pattillo, Martha C.; Bacehowski, David V.; Bilstad, Arnold C.; Cullis, Herbert M.; Dennehey, T. Michael; Yang, James W.; and Brown, William C., 4,829,002, Cl. 435-284.000.
Biltoft, Bruce G.: *See—*
  Kopp, Clinton V.; Roberts, Dennis; Biltoft, Bruce G.; and White, Victor, 4,876,012, Cl. 210-644.000.
Bilton, David A.: *See—*
  Bridgstock, Eric; Glaves, Brian; Kenworthy, David M. A.; and Bilton, David A., 4,795,877, Cl. 219-109.000.
Bilweis, Joseph, to Ethicon, Inc. Perihepatic prosthesis. 4,878,890, 11-7-89, Cl. 600-37.000.
Bimba Manufacturing Company: *See—*
  Boyer, Peter W.; and Haczynski, Roger W., 4,794,681, Cl. 29-156.70A.
  Boyer, Peter W.; and Haczynski, Roger W., 4,862,786, Cl. 91-26.000.
Bina, Dale C., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Printed circuit card guide. 4,861,277, 8-29-89, Cl. 439-377.000.
Binagraphics, Inc.: *See—*
  Wright, Forrest S., 4,831,218, Cl. 200-5.00A.
Binard, Luc A.: *See—*
  Musyck, Emile P.; Binard, Luc A.; and Coupe, Bernard G., 4,816,655, Cl. 235-380.000.
Binarsch, Jurgen: *See—*
  Gudat, Wolfgang; Liermann, Peter; and Binarsch, Jurgen, 4,827,415, Cl. 364-424.050.
Binary Arts Corporation: *See—*
  Lammertink, Ferdinand, 4,871,173, Cl. 273-153.00S.
Binatena, Janis: *See—*
  Carmichael, Maurice; and Binatena, Janis, 4,877,043, Cl. 134-57.00R.
Binder, Dieter, to Chemie Linz Aktiengesellschaft. 2-alkenylene-thieno-1,2-thiazole derivatives with lipid-lowering activity. 4,801,591, 1-31-89, Cl. 514-373.000.
Binder, Dieter; and Rovenszky, Franz, to Chemie Linz Aktiengesellschaft. Isoxazole compounds and pharmaceutical compositions containing them for treatment and prophylaxis of retroviruses diseases. 4,812,472, 3-14-89, Cl. 514-374.000.
Binder, Dieter. 3-phenyl-1-propanones, process of preparing thereof and method of treating arrhythmias. 4,814,330, 3-21-89, Cl. 514-231.500.
Binder, Dieter; Rovenszky, Franz; and Ferber, Hubert P., to Chemie Linz Aktiengesellschaft. Derivatives of pyridylsulfinyl(benz- or thieno-)imidazoles and their use as gastric secretion inhibiting substances. 4,818,760, 4-4-89, Cl. 514-338.000.
Binder, Dieter; Rovenszky, Franz; and Ferber, Hubert P., to CL Pharma Aktiengesellschaft. Isoxazole derivatives with antiviral activities and pharmaceutical products containing these. 4,841,065, 6-20-89, Cl. 548-238.000.

- Binder, Dieter; Rovensky, Franz; and Ferber, Hubert P., to CL Pharma Aktiengesellschaft. Novel 2-thienyloxyacetic acid derivatives, a process for their preparation and pharmaceutical preparations containing them. 4,877,809, 10-31-89, Cl. 514-444.000.
- Binder, Erwin: *See*—
  - Beisiegel, Diethelm; and Binder, Erwin, 4,820,947, Cl. 310-89.000.
- Binder, Hartmut, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Window washing system for motor vehicles. 4,824,021, 4-25-89, Cl. 239-284.100.
- Binder, Horst: *See*—
  - Schwalm, Reinhold; and Binder, Horst, 4,808,682, Cl. 526-279.000.
  - Schwalm, Reinhold; and Binder, Horst, 4,812,542, Cl. 526-265.000.
  - Schwalm, Reinhold; and Binder, Horst, 4,822,866, Cl. 526-311.000.
  - Schwalm, Reinhold; Boettcher, Andreas; and Binder, Horst, 4,883,740, Cl. 430-270.000.
- Binder, John J.; and Kaiser, Thomas A., to Nordson Corporation. Method and apparatus for spraying powder into a continuous tow. 4,873,937, 10-17-89, Cl. 118-44.000.
- Binder, Michael; Walker, Charles W., Jr.; Mammone, Robert J.; Wade, William L., Jr.; and Gilman, Sol, to United States of America, Army. Method of washing solids with liquified gases. 4,816,080, 3-28-89, Cl. 134-10.000.
- Binder, Michael; and Walker, Charles W., Jr., to United States of America, Army. Alkaline earth-oxyhalide electrochemical cell for low temperature use. 4,842,967, 6-27-89, Cl. 429-101.000.
- Binder, Richard R.; Bantz, Paul E.; Tiedemann, William H.; McDonald, Guy D.; and Wruck, William J., to Globe-Union Inc. Battery explosion attenuation material and method. 4,859,546, 8-22-89, Cl. 429-53.000.
- Binder, Robert: *See*—
  - Groger, Klaus; Mittermeier, Walter; Binder, Robert; and Diehm, Volker, 4,832,664, Cl. 474-111.000.
- Binder, Rolf; Staeheli, Paul; Staehli, Urs; and Knabenhans, Fritz, to Rieter Machine Works Ltd. Feed chute arrangement for textile machines, such as carding machines. 4,878,784, 11-7-89, Cl. 406-70.000.
- Binder, Rolf: *See*—
  - Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, 4,819,421, Cl. 57-264.000.
  - Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, 4,821,503, Cl. 57-264.000.
- Binder, Rudolf: *See*—
  - Steiner, Gerd; Pfister, Juergen; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, 4,866,057, Cl. 514-215.000.
  - Steiner, Gerd; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, 4,885,278, Cl. 514-215.000.
- Binder, Ulrich, to O & K Orenstein & Koppel Aktiengesellschaft. Apparatus for the classifying of powdered bulk materials. 4,799,595, 1-24-89, Cl. 209-135.000.
- Binder, Ulrich: *See*—
  - Haak, Wolfgang; Kirchhoff, Bernd; and Binder, Ulrich, 4,813,480, Cl. 165-120.000.
- Binder, Walter: *See*—
  - Young, Frederick C.; and Binder, Walter, 4,804,170, Cl. 267-279.000.
- Binderman, Melvin D.; and Casey, Joseph N., to Central Soya Company, Inc. Method of deoiling crude lecithin. 4,803,016, 2-7-89, Cl. 260-403.000.
- Binderup, Ernst T.; and Liisberg, Sven, to Leo Pharmaceutical Products Ltd. Bisphosphonic acid derivatives, their production and use. 4,870,063, 9-26-89, Cl. 514-79.000.
- Binderup, Ernst T.: *See*—
  - Calverley, Martin J.; and Binderup, Ernst T., 4,866,048, Cl. 514-167.000.
- Bindler, Uwe; and Schurholz, Theo, to Gebr. Bindler GmbH & Co. KG. Conveying and treatment apparatus for moulds fillable with a castable, solidifying body, such as chocolate mass. 4,822,268, 4-18-89, Cl. 425-454.000.
- Bindomatic AB: *See*—
  - Wiholm, Sture H.; Tholerus, Jan; and Leczinsky, Jan, 4,863,332, Cl. 412-37.000.
- Bindon, Glyn A. J., to Armson, Inc. Optical gun sight. 4,806,007, 2-21-89, Cl. 350-569.000.
- Binet, Jean: *See*—
  - Manoury, Philippe; Binet, Jean; and Dewitte, Elisabeth, 4,806,560, Cl. 546-118.000.
  - Manoury, Philippe; Binet, Jean; and DeFosse, Gerard, 4,820,710, Cl. 514-272.000.
  - Manoury, Philippe; Binet, Jean; and Dewitte, Elisabeth, 4,853,387, Cl. 514-272.000.
  - Manoury, Philippe; Rossey, Guy; Binet, Jean; DeFosse, Gerard; and Jabri, Najib, 4,857,536, Cl. 514-322.000.
- Binford, Robert N.: *See*—
  - Cavin, Michael G.; Binford, Robert N.; and Halphide, Kenneth, 4,816,102, Cl. 156-222.000.
- Bing, Ting S. Portable collapsible game table. 4,838,179, 6-13-89, Cl. 108-132.000.
- Bingaman, Barrett P.; Krum, Richard G.; and Williams, James R., to Cetec Corporation. Tape handling apparatus. 4,858,808, 8-22-89, Cl. 226-95.000.
- Binge, Derek S.; and Robinson, Anthony D., to General Electric Company. Mast extending and rotating apparatus. 4,864,784, 9-12-89, Cl. 52-108.000.
- Binger, Bernhard; Eickhoff, Hans J.; Maier, Paul; Engstler, Anton; and Grolig, Herbert, to Zahnradfabrik Friedrichshafen AG. Gear mechanism for full-track vehicle. 4,796,486, 1-10-89, Cl. 74-606.00R.
- Binger, Lucille M. Disposable attachment for portable hair dryers for drying delicate items of wearing apparel. 4,815,219, 3-28-89, Cl. 34-22.000.
- Bingham, David; and Allen, Charles M., to Maxim Integrated Products. Integrated dual charge pump power supply and RS-232-transmitter/receiver. 4,809,152, 2-28-89, Cl. 363-61.000.
- Bingham, David, to Maxim Integrated Products. Bipolar lateral pnp transistor for CMOS circuits. 4,812,891, 3-14-89, Cl. 357-35.00
- Bingham, David, to Maxim Integrated Products. Integrated AC to DC power supply. 4,819,147, 4-4-89, Cl. 363-127.000.
- Bingham, David: *See*—
  - Fuller, Roger W.; and Bingham, David, 4,797,899, Cl. 375-7.00
  - Fuller, Roger W.; and Bingham, David, 4,847,522, Cl. 307-473.00
- Bingham, Eyvonne M.: *See*—
  - Bingham, Lowell B., 4,843,995, Cl. 114-222.000.
- Bingham, George H. Method and apparatus for testing relief valve. 4,840,057, 6-20-89, Cl. 73-4.00R.
- Bingham, George H. Method for testing relief valve. 4,852,387, 8-1-8 Cl. 73-4.00R.
- Bingham, Henry, to Boart International Limited. High temperature seal. 4,867,338, 9-19-89, Cl. 220-378.000.
- Bingham, Lowell B., to Bingham, Eyvonne M. Automatic boat bott cleaner. 4,843,995, 7-4-89, Cl. 114-222.000.
- Bingham, Richard: *See*—
  - Allred, Jimmie B., III; and Bingham, Richard, 4,796,607, C 128-4.000.
- Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, to Omron Tateisi Electronics Co. Sealed slide switch. 4,814,565, 3-21-89, Cl. 200-291.000.
- Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, to Omron Tateisi Electronics Co. Slide switch having improved holding structure for the movable contact. 4,833,280, 5-23-89, Cl. 200-16.00D.
- Bingo, Hideyuki: *See*—
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,816,630, Cl. 200-314.000.
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,851,623, Cl. 200-314.000.
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,873,402, Cl. 200-283.000.
  - Iwakiri, Norio; Bingo, Hideyuki; and Tugus, Hiedji, 4,846,322, C 200-81.00R.
  - Yamashita, Masatsugu; Yoshimura, Takashi; Hashizume, Shinichi; Bingo, Hideyuki; and Iwakiri, Norio, 4,816,631, Cl. 200-332.00
- Bini, Dante; Bogliari, Domenico; Lomoro, Sandro; Minozzi, Daniele; Pietrogrande, Stefano; and Zucchi, Dario, to Binistar International N.V. Reticular spatial structure. 4,796,389, 1-10-89, Cl. 52-2.00
- Bini, Franco, to Savio, S.p.A. Control device for adjusting the radial position of the sinkers in a circular knitting machine. 4,866,11 9-12-89, Cl. 66-55.000.
- Binistar International N.V.: *See*—
  - Bini, Dante; Bogliari, Domenico; Lomoro, Sandro; Minozzi, Daniele; Pietrogrande, Stefano; and Zucchi, Dario, 4,796,389, Cl. 52-2.000.
- Binkerd, Mark S.; Buss, Christine M.; Gawrys, George W.; and Stone, Roger E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Automatic speech recognition to select among call destinations. 4,827,500, 5-2-89, Cl. 379-88.000.
- Binkley, Carl R., to Eaton Corporation. Anti-spin differential. 4,838,118, 6-13-89, Cl. 74-711.000.
- Binkley Company, The: *See*—
  - Baxter, Bobby G.; Curtman, Wendell B.; and Peveler, Michael W., 4,838,566, Cl. 280-149.200.
  - Baxter, Bobby G., 4,838,578, Cl. 280-149.200.
  - Baxter, G. Bobby, 4,824,136, Cl. 280-475.000.
- Binkley, Dennis E., to Synpac Corporation. Remote mailbox alarm system. 4,868,543, 9-19-89, Cl. 340-569.000.
- Binkley, Michael J.: *See*—
  - Chen, Gilbert; Holmes, Timothy L.; Mastrodomenico, August; and Binkley, Michael J., 4,842,778, Cl. 261-97.000.
- Binks Bullows Limited: *See*—
  - Dixon, George; and Eaves, Henry W., 4,799,944, Cl. 55-446.000.
- Binks, David N. Flotation system. 4,867,094, 9-19-89, Cl. 114-359.000.
- Binks Manufacturing Company: *See*—
  - Merritt, James S., 4,846,226, Cl. 137-871.000.
  - Smith, David H., 4,795,096, Cl. 239-288.300.
- Binnersley, Edward K.; and Batman, James M., to Du Pont de Nemours, E. I., and Company. Fabric made from flat thermoplastic and impregnated tow. 4,816,327, 3-28-89, Cl. 428-225.000.
- Binnewies, Ludwig, to Siemens Aktiengesellschaft. Arrangement for the identification of the mass air stream supplied to the cylinders of an internal combustion engine. 4,846,132, 7-11-89, Cl. 123-488.000.
- Binning, Jack E.; Ferraro, Frances M.; and Carlson, Franklin B., to VerTech Treatment Systems, Inc. Method and apparatus for controlled chemical reactions. 4,869,833, 9-26-89, Cl. 210-761.000.
- Binns, Lloyd S. Blind rivet assembly. 4,815,906, 3-28-89, Cl. 411-38.000.
- Bino, Avi; Johnston, David C.; and Stiefel, Edward I., to Exxon Research and Engineering Company. Tetranuclear sulfido-bridged complex of Cr(III) having a strongly magnetic ground state. 4,832,877, 5-23-89, Cl. 260-414.000.
- Binoder, Wilhelm: *See*—
  - Hermann, Horst; Binoder, Wilhelm; Rech, Armin; Rech, Gerd; and Reinhardt, Gunter, 4,812,979, Cl. 364-431.010.

- Binte, Hans-Joachim, deceased: *See*—
  - Schewe, Tankred; Kuehn, Hartmut; Beger, Joerg; Grupe, Renate; Rapoport, Samuel M.; Binte, Hans-Joachim, deceased; and Slapke, Juergen, 4,816,487, Cl. 514-640.000.
- Binte, Ingrid, administrator: *See*—
  - Schewe, Tankred; Kuehn, Hartmut; Beger, Joerg; Grupe, Renate; Rapoport, Samuel M.; Binte, Hans-Joachim, deceased; and Slapke, Juergen, 4,816,487, Cl. 514-640.000.
- Bintech (Proprietary) Limited: *See*—
  - Barnard, Johan P., 4,846,973, Cl. 210-323.200.
- Binversie, Gregory J.; Gerdes, Robert W.; and Macier, James E., to Outboard Marine Corporation. Marine propulsion device low-speed exhaust system. 4,795,383, 1-3-89, Cl. 440-89.000.
- Binversie, Gregory J.: *See*—
  - Macier, James E.; Binversie, Gregory J.; Calamia, David C.; and Daniels, John M., 4,870,929, Cl. 123-78.00R.
- Binz, Jorg: *See*—
  - Topfl, Rosemarie; and Binz, Jorg, 4,822,374, Cl. 8-554.000.
- Binzer, Norbert: *See*—
  - Guido, Jurgen; and Binzer, Norbert, 4,881,763, Cl. 285-382.000.
- Bio-Affinity Systems, Inc.: *See*—
  - Stolowitz, Mark L., 4,812,362, Cl. 428-407.000.
  - Stolowitz, Mark L., 4,812,532, Cl. 525-420.000.
  - Stolowitz, Mark L.; Dixit, Vyas M.; and Kesicki, Edward A., 4,861,726, Cl. 436-89.000.
  - Stolowitz, Mark L.; Paape, Beth A.; and DeVaux, Anne E., 4,863,870, Cl. 436-89.000.
- Bio/Data Corporation: *See*—
  - Coville, William E.; Grossman, Hyman; and Sokol, Michael, 4,818,493, Cl. 422-102.000.
- Bio Gro Systems, Inc.: *See*—
  - Dausman, Jerome; and Avendt, Raymond J., 4,872,998, Cl. 210-710.000.
- Bio-Imaging Research, Inc.: *See*—
  - Bernardi, Richard T., 4,872,191, Cl. 378-150.000.
- Bio-Instructa Labkonsult: *See*—
  - Nilsson, Tomas, 4,812,402, Cl. 435-29.000.
- Bio-Kil Chemicals Limited: *See*—
  - Clarke, Neil; and Lane, John R. G., 4,810,453, Cl. 264-269.000.
  - Hosgood, Henry; Banks, Leslie; and Beauford, William, 4,858,469, Cl. 73-579.000.
- Bio-Logic Systems Corporation: *See*—
  - Trivedi, Sushma S.; Gur, Raquel E.; and Gur, Ruben, 4,862,359, Cl. 364-413.050.
- Bio Materials Universe, Inc.: *See*—
  - Ikada, Yoshito; Gen, Shokyu; Kawai, Tatsuya; and Matsuda, Takashi, 4,844,067, Cl. 128-335.500.
- Bio Med Sciences, Inc.: *See*—
  - Dillon, Mark E., 4,832,009, Cl. 128-156.000.
  - Dillon, Mark E., 4,849,285, Cl. 428-330.000.
  - Dillon, Mark E., 4,859,383, Cl. 264-43.000.
- Bio-Medical Research Laboratories: *See*—
  - Baranczuk, Richard J.; Spicer, Jay; Duncan, William P.; and Rotert, Gary A., 4,855,125, Cl. 424-1.100.
- Bio-Medical Research Laboratories, Inc.: *See*—
  - Baranczuk, Richard J.; and Spicer, Jay A., 4,882,141, Cl. 424-1.100.
- Bio-Medical Research Limited: *See*—
  - Maher, Daniel V.; and Minogue, Conor, 4,832,033, Cl. 128-421.000.
- Bio-Medicus, Inc.: *See*—
  - Georgi, Donald K.; Basile, Andrew X.; and Graupmann, Lloyd E., 4,881,413, Cl. 73-861.120.
- Bio-Metric Systems, Inc.: *See*—
  - Guire, Patrick E.; and Chudzik, Stephen J., 4,826,759, Cl. 435-4.000.
- Bio-Mimetics, Inc.: *See*—
  - Robinson, Joseph R., 4,795,436, Cl. 424-422.000.
- Bio-Plexus, Inc.: *See*—
  - Sahi, Carl R.; Phillips, Richard R.; Fudge, Chester; and Lamo, Jeffrey J., 4,828,547, Cl. 604-110.000.
- Bio-Rad Laboratories, Inc.: *See*—
  - Bruegger, Berndt B., 4,810,391, Cl. 210-656.000.
  - Chen, Jin-Hai, 4,877,510, Cl. 204-299.00R.
  - Curbelo, Raul; and Brown, David C., 4,828,367, Cl. 356-345.000.
  - Feinstein, Paul L.; and Gordon-Gilmore, Randy, 4,862,932, Cl. 141-130.000.
  - Hochstrasser, Denis F., 4,874,490, Cl. 204-182.100.
  - Ragsdale, Charles W., 4,878,008, Cl. 323-271.000.
- Bio-Rational Technologies, Inc.: *See*—
  - Weathers, Pamela; and Giles, Kenneth, 4,857,464, Cl. 435-240.230.
- Bio-Research Laboratories, Inc.: *See*—
  - Osther, Kurt B., 4,816,387, Cl. 435-5.000.
  - Osther, Kurt B.; and Dyll, Louis M., 4,885,235, Cl. 435-5.000.
- BIO-Response, Inc.: *See*—
  - Wilson, Elaine L., 4,798,796, Cl. 435-212.000.
- Bio Science Laboratory: *See*—
  - Ohkawa, Taneaki, 4,801,689, Cl. 530-395.000.
  - Ohkawa, Taneaki, 4,847,363, Cl. 530-395.000.
- Bio-Tech A/S: *See*—
  - Elgjo, Kjell; and Reichelt, Karl-Ludvig, 4,868,156, Cl. 514-19.000.
- Bio Tech, Inc.: *See*—
  - Cowley, William E.; and Mercer, Basil W., 4,812,237, Cl. 210-605.000.
- Bio-Technology General Corp.: *See*—
  - Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Elisha; and Zeevi, Menachem, 4,831,120, Cl. 530-399.000.
  - Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Pinhas E.; and Zeevi, Menachem, 4,871,835, Cl. 530-399.000.
  - Tabachnik, Mordechai, 4,837,155, Cl. 435-254.000.
- Biocarb AB: *See*—
  - Mardh, Per A.; and Svensson, Sigfrid, 4,851,338, Cl. 435-34.000.
- BioChem Technology: *See*—
  - Krause, Richard J.; Lee, Jaw F.; and Breckenridge, Craig W., 4,803,365, Cl. 250-461.200.
- BIOCHEMIE Gesellschaft m.b.H.: *See*—
  - Prager, Bernhard C., 4,826,972, Cl. 540-225.000.
- Biochimica Opos S.p.A.: *See*—
  - Ratti, Luigi, 4,837,317, Cl. 540-316.000.
- Biocon Oy: *See*—
  - Tormala, Pertti; Rokkanen, Pentti; Oikarinen, Valle J.; Vainionpaa, Seppo; and Helevirta, Pertti, 4,863,472, Cl. 623-16.000.
- Bioconcepts, Inc.: *See*—
  - Roche, Karen M., 4,865,609, Cl. 623-23.000.
- BioControl Systems, Inc.: *See*—
  - DesRosier, John P.; and Ward, N. Robert, Jr., 4,868,110, Cl. 435-34.000.
- Biocycle Pty. Ltd.: *See*—
  - Waite, Ian, 4,882,046, Cl. 210-195.300.
- Biodan Medical Systems Ltd.: *See*—
  - Eshel, Uzi; and Lev, Avigdor, 4,813,429, Cl. 128-736.000.
  - Eshel, Uzi; and Lev, Avigdor, 4,823,812, Cl. 128-804.000.
- Bioderm, Inc.: *See*—
  - Alvarez, Oscar M., 4,813,942, Cl. 604-290.000.
  - Alvarez, Oscar M., 4,875,473, Cl. 128-155.000.
- Biodex Corporation: *See*—
  - Reiss, James M.; Gezari, Walter; and Stidd, Robert, 4,802,462, Cl. 128-25.00R.
- Biodot International, Incorporated: *See*—
  - Grabhorn, Robert H., 4,837,955, Cl. 40-214.000.
- Bioetica S.A.: *See*—
  - Huc, Alain; and Gimeno, Rene, 4,814,120, Cl. 264-28.000.
- Biogal Gyogyszergyar: *See*—
  - Kekesi, Sandor; Tamasi, Piroska; Pal, Veronika; Jancso, Sandor; Kristof nee Szvitil, Ilona; Bacsa, Gyorgy; and Kovacs nee Hadady, Katalin, 4,803,069, Cl. 424-74.000.
  - Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.
  - Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.
- Biogen, Inc.: *See*—
  - Fiers, Walter C.; and Remaut, Rene Erik, 4,874,702, Cl. 435-172.000.
  - Meade, Harry; and Lonberg, Nils, 4,873,316, Cl. 530-412.000.
  - Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., 4,874,743, Cl. 514-12.000.
  - Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., 4,879,224, Cl. 435-68.000.
- Bioglucans, L. P.: *See*—
  - DiLuzio, Nicholas R., 4,877,777, Cl. 514-54.000.
  - Williams, David L.; Browder, I. William; and DiLuzio, Nicholas R., deceased, 4,818,752, Cl. 514-54.000.
  - Williams, David L.; and Browder, I. William, 4,833,131, Cl. 514-54.000.
- Biokinetics, Inc.: *See*—
  - Franks, Christopher I., 4,858,621, Cl. 128-779.000.
- Biolite Ltd.: *See*—
  - Anderson, Joseph C.; and Applebaum, Martin, 4,818,883, Cl. 250-361.00C.
- Biological Rescue Products, Inc.: *See*—
  - Krasner, Paul R., 4,802,853, Cl. 433-215.000.
- Biological Resistance, Inc.: *See*—
  - Yabrov, Alexander A.; and Roitberg, Michael, 4,880,417, Cl. 604-355.000.
- Biomagnetic Technologies, Inc.: *See*—
  - Buchanan, Scott, 4,872,321, Cl. 62-51.100.
  - Paulson, Douglas N., 4,827,217, Cl. 324-248.000.
- Biomass Development Europe SA: *See*—
  - Neuman, Marcel, 4,881,886, Cl. 425-208.000.
- Biomasys Sarl: *See*—
  - Lapeyre, Didier M.; and Slonina, Jean P., 4,804,369, Cl. 604-175.000.
  - Slonina, Jean P., 4,851,002, Cl. 623-3.000.
- Biomaterials Universe, Inc.: *See*—
  - Hyon, Suong-Hyu; and Ikada, Yoshito, 4,874,562, Cl. 264-1.400.
- Biomatrix, Inc.: *See*—
  - Leshchiner, Adolf; Larsen, Nancy E.; Balazs, Endre A.; and Hilal, Sadek K., 4,795,741, Cl. 514-21.000.
- Biomeasure, Inc.: *See*—
  - Kim, Sun H., 4,814,335, Cl. 514-257.000.
  - Kim, Sun H., 4,814,463, Cl. 548-495.000.
  - Kim, Sun H., 4,871,870, Cl. 560-039.000.
- Biomed-Technology, Inc.: *See*—
  - Erner, William E., 4,814,446, Cl. 544-351.000.
- Biomedica Foscama Industria Chimico-Farmaceutica S.p.A.: *See*—
  - Chiapparelli, Marco; and Cavicchia, Ugo, 4,870,057, Cl. 514-23.000.

- Biomedical Development Corporation: *See—*
  - Ranly, Don M., 4,859,186, Cl. 433-228.100.
- Biomedical Devices Company, Inc.: *See—*
  - Ferkany, Michael A., 4,850,470, Cl. 198-345.000.
- Biomedical Frontiers, Inc.: *See—*
  - Hedlund, Bo E.; Hallaway, Philip E.; Panter, Samuel S.; and Eaton, John W., 4,863,964, Cl. 514-575.000.
- BioMedical Laser Industries: *See—*
  - Hauze, Dennis R., 4,798,292, Cl. 206-439.000.
- Biomedical Research and Development Laboratories, Inc.: *See—*
  - Bertoncini, Joseph, 4,879,431, Cl. 435-311.000.
- Biomedical Sensors Limited: *See—*
  - Markle, David R.; Crane, Barry C.; and Irvine, Michael P., 4,889,407, Cl. 350-96.290.
- Biomembrane Institute, The: *See—*
  - Clausen, Henrik, 4,857,639, Cl. 536-1.100.
- Biomet, Inc.: *See—*
  - Border, Robert, 4,875,474, Cl. 128-92.00Y.
- Biondetti, Mario; and Stotz, Wolf-Gunter, to Sulzer-Escher Wyss AG. Press roll. 4,864,703, 9-12-89, Cl. 29-116.100.
- Biondetti, Mario: *See—*
  - Buhlmann, Eugen T.; Biondetti, Mario; and Stotz, Wolf-Gunter, 4,858,292, Cl. 29-116.200.
- Biondi, Luigi: *See—*
  - Furno, Franco; and Biondi, Luigi, 4,875,035, Cl. 340-731.000.
- Biondo, Charles M.: *See—*
  - Formanack, James D.; Biondo, Charles M.; and Rhemer, Chris C., 4,818,833, Cl. 219-10.570.
- Bionetics Corporation, The: *See—*
  - Kalla, Elizabeth M.; and Moyer, Jerry L., 4,834,801, Cl. 119-18.000.
- Bionix Corporation: *See—*
  - Glick, J. Leslie, 4,837,164, Cl. 436-88.000.
- Bionostics, Incorporated: *See—*
  - Chiang, Ching, 4,843,013, Cl. 436-11.000.
- Bionovus, Inc.: *See—*
  - Burton, William G., 4,867,855, Cl. 204-182.800.
- Biopharm (UK) Limited: *See—*
  - Sawyer, Roy T.; and Edwards, Jeffrey, 4,820,516, Cl. 424-94.620.
- Bioprobe International, Inc.: *See—*
  - Ngo, That T., 4,801,687, Cl. 530-387.000.
  - Ngo, That T., 4,886,755, Cl. 435-183.000.
- BioQuant, Inc.: *See—*
  - Schramm, Willfried, 4,817,632, Cl. 128-769.000.
- Bioresearch, Inc.: *See—*
  - Findl, Eugene, 4,850,959, Cl. 600-14.000.
  - Fuller, William D.; Blair, Robert K.; and Goodman, Murray, 4,829,099, Cl. 523-111.000.
  - Kurtz, Leonard D.; and LiCausi, Joseph, 4,883,476, Cl. 604-323.000.
- Biorne Enterprises, Inc.: *See—*
  - Moe, Rolf; Corriea, David J.; and Premeau, John E., 4,875,824, Cl. 414-751.000.
- Bios Corporation: *See—*
  - Hurd, Stanley M.; and Kouri, Richard E., 4,795,541, Cl. 204-299.00R.
  - Hurd, Stanley M.; and Kouri, Richard E., 4,812,216, Cl. 204-182.800.
  - Hurd, Stanley M.; and Kouri, Richard E., 4,819,360, Cl. 204-299.00R.
- Bioscan, Inc.: *See—*
  - Whiddon, Orren P., 4,808,831, Cl. 250-506.100.
- Biospherical Instruments Inc.: *See—*
  - Booth, Charles R.; and Kiefer, Dale A., 4,804,849, Cl. 250-459.100.
- Biosynergy, Inc.: *See—*
  - Suzuki, Fred K.; Mead, Sharon M.; Yoshida, Noble H.; and Dobberstein, Robert H., 4,859,360, Cl. 252-299.700.
- Biosystems Inc.: *See—*
  - Burt, John F.; Whynall, Jeffrey M.; Howe, Jonathan; Knott, Gilbert L.; and Harnvorakiat, Tavin, 4,796,467, Cl. 73-168.000.
- Biotec Instruments Limited: *See—*
  - Newton, Raymond; and Malcolm-Lawes, David, 4,865,811, Cl. 422-81.000.
- Biotech Connections, Inc.: *See—*
  - Vedros, Neylan A.; and Liu, Te-ning E., 4,877,613, Cl. 424-92.000.
- Biotechnica Diagnostics, Inc.: *See—*
  - Chen, Michael C.; Chen, Pearl M.; and Klotz, Lynn C., 4,866,167, Cl. 536-27.000.
- Biotechnica International, Inc.: *See—*
  - Backman, Keith C., 4,839,286, Cl. 435-108.000.
- Biotechnology Australia Pty. Ltd.: *See—*
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- Biotechnology Research Associates J.V.: *See—*
  - Lewicki, John A.; Scarborough, Robert M., Jr.; and Johnson, Lorin K., 4,804,650, Cl. 514-15.000.
- Biotechnology Research Partners, Ltd.: *See—*
  - Frossard, Philippe M., 4,801,531, Cl. 435-6.000.
  - Frossard, Philippe M., 4,861,708, Cl. 435-6.000.
- Biotek, Inc.: *See—*
  - Nuwayser, Elie S., 4,810,499, Cl. 424-448.000.
  - Nuwayser, Elie S., 4,834,978, Cl. 424-448.000.
- Biotest Pharma GmbH: *See—*
  - Rudnick, Dieter; Kothe, Norbert; Dichtelmuller, Herbert; Piechaczek, Detlef; Stephan, Wolfgang; and Schleussner, Hans, 4,877,866, Cl. 530-387.000.
- BioTope, Inc.: *See—*
  - Hargreaves, William R., 4,868,130, Cl. 436-526.000.
- Biotrack, Inc.: *See—*
  - Allen, Jimmy D.; Cobb, Michael E.; Hillman, Robert S.; Mungall, Dennis R.; Ostoich, Vladimir E.; and Stroy, Gary H., 4,797,203, Cl. 424-443.000.
  - Gibbons, Ian, 4,820,647, Cl. 436-79.000.
  - Gibbons, Ian, 4,829,011, Cl. 436-512.000.
  - Gibbons, Ian; Hillman, Robert S.; and Robertson, Channing R., 4,868,129, Cl. 436-179.000.
- Biotronics Associates, Inc.: *See—*
  - Schlager, Kenneth J.; and Gorski, Stephen H., 4,860,172, Cl. 362-32.000.
  - Schlager, Kenneth J., 4,882,492, Cl. 250-346.000.
- Biotronik Mess- und Therapiegerate GmbH & Co.: *See—*
  - Schaldach, Max, 4,867,160, Cl. 128-419.0PG.
  - Schaldach, Max, 4,867,162, Cl. 128-419.0PG.
- Bioxy International, Ltd.: *See—*
  - Gorden, Gilbert, 4,880,638, Cl. 424-662.000.
- Bipolar Integrated Technology, Inc.: *See—*
  - Miller, Bruce E.; and Owen, Robert E., 4,841,468, Cl. 364-754.000.
  - Owen, Robert E.; and Miller, Bruce E., 4,876,660, Cl. 364-754.000.
  - Pickett, James M.; Perino, Stanley C.; and Rose, Ralph E., 4,866,001, Cl. 437-32.000.
- Bippus, Hans-Dieter: *See—*
  - Walker, Robert; Fitzgerald, Robert; and Bippus, Hans-Dieter, 4,889,405, Cl. 350-96.210.
- Biran, Adi. Parking cards. 4,813,709, 3-21-89, Cl. 283-23.000.
- Biran, Claude: *See—*
  - Pillot, Jean-Paul; Bacque, Eric; Dunogues, Jacques; Biran, Claude; and Olry, Pierre, 4,806,666, Cl. 556-412.000.
- Birch, Andrew D., to Shell Oil Company. System and method for securing a marine riser to a floating structure. 4,808,034, 2-28-89, Cl. 405-195.000.
- Birch, Andrew D.: *See—*
  - Zollman, Peter M.; Pollard, Brendon T.; and Birch, Andrew D., 4,878,127, Cl. 358-299.000.
- Birch, Barry, to Lucas Industries Public Limited Company. Gauge driving system. 4,841,238, 6-20-89, Cl. 324-144.000.
- Birch, Norman R.; and Pauza, William V., to AMP Incorporated. Method and apparatus for terminating high-speed signal transmission cable. 4,842,544, 6-27-89, Cl. 439-387.000.
- Birch, Robert M.; and Brown, Warren E., to Commercial Shearing, Inc. Method and apparatus for tunnel lining. 4,830,536, 5-16-89, Cl. 405-153.000.
- Birchak, James R.: *See—*
  - Attali, George; Birchak, James R.; and Lester, Robert A., 4,805,156, Cl. 367-35.000.
- Bircher, AG.: *See—*
  - Poschet, Klaus; and Banteli, Willy, 4,853,506, Cl. 200-463.000.
- Birchfield, James M.; Molinaro, Ralph A.; and Tilly, Lynn K., to Chrysler Motors Corporation. Instrument panel structure for an automotive vehicle. 4,805,924, 2-21-89, Cl. 280-752.000.
- Bird, Forrest M. Ventilator which can be readily transported for emergency situations. 4,805,613, 2-21-89, Cl. 128-204.250.
- Bird, Forrest M. Ventilator. 4,838,260, 6-13-89, Cl. 128-204.250.
- Bird, Forrest M. Mobile self-contained ventilator. 4,867,151, 9-19-89, Cl. 128-201.170.
- Bird, Gerald C.; and Wiste, Orville M., to Minnesota Mining and Manufacturing Company. Shoe grounding strap. 4,812,948, 3-14-89, Cl. 361-223.000.
- Bird, Graham J.: *See—*
  - Watson, Keith G.; Garson, Lynette A.; Bird, Graham J.; and Farquharson, Graeme J., 4,806,141, Cl. 71-121.000.
- Bird, Jay S., to Dresser Industries, Inc. Surface protection method and article formed thereby. 4,814,234, 3-21-89, Cl. 428-564.000.
- Bird, John H.; and Waugh, Robin K., to Economic Combustion Systems Limited. Internal combustion engine. 4,884,550, 12-5-89, Cl. 123-587.000.
- Bird, John W., to Birow, Inc. Adjustable coating and printing apparatus. 4,796,556, 1-10-89, Cl. 118-46.000.
- Bird, John W., to Birow, Inc. Coating and printing apparatus including an interstation dryer. 4,841,903, 6-27-89, Cl. 118-46.000.
- Bird-Johnson Company: *See—*
  - Cavallaro, Joseph L.; and Kelly, Patrick J., Jr., 4,872,811, Cl. 416-162.000.
  - Norton, John A., 4,801,243, Cl. 416-89.000.
  - Sawizky, Paul A.; Olson, Stephen C.; and Midttun, Ole H., 4,810,166, Cl. 416-167.000.
- Bird, Kimon T.; and Carlson, Rolland D., to Harbor Branch Oceanographic Institution, Inc. Macroalgae culture methods. 4,869,017, 9-26-89, Cl. 47-1.400.
- Bird Machine Company, Inc.: *See—*
  - Packard, Thomas D.; and Goodchild, William C., 4,851,069, Cl. 156-284.000.
- Bird, Neil C., to U.S. Philips Corporation. Method of and a circuit arrangement for processing sampled analogue electrical signals. 4,864,217, 9-5-89, Cl. 323-316.000.
- Bird, Neil C., to U.S. Philips Corporation. Circuit arrangement for storing sampled analogue electrical currents. 4,866,368, 9-12-89, Cl. 323-316.000.
- Bird, Philip H.; and Armstrong, Desmond R., to U.S. Philips Corporation. Differential amplifier and current sensing circuit including such an amplifier. 4,885,477, 12-5-89, Cl. 307-296.800.

- Bird, Philip H., to U.S. Philips Corporation. Circuit for driving a semiconductor device with protection against transients. 4,890,020, 12-26-89, Cl. 307-571.000.
- Bird Products Corporation: *See—*
  - DeVries, Douglas F., 4,794,922, Cl. 128-204.180.
- Bird, Raymond F., to Landclass Limited. Method of and apparatus for styling hair. 4,830,029, 5-16-89, Cl. 132-54.000.
- Bird, Stanford W. Container carrier. 4,850,479, 7-25-89, Cl. 206-150.000.
- Bird, Wiley M., to Ford Aerospace & Communications Corporation. Repeater for extending local area networks. 4,837,788, 6-6-89, Cl. 375-3.000.
- Birdsall, Frank O.: *See—*
  - Morris, James A.; Morris, Terry F.; and Birdsall, Frank O., 4,884,132, Cl. 358-93.000.
- Birdwell, J. C. Variable orifice control means. 4,869,100, 9-26-89, Cl. 73-151.000.
- Birdwell, Jeffrey D.: *See—*
  - McIntyre, John M.; Smith, Bruce R.; and Birdwell, Jeffrey D., 4,824,508, Cl. 156-276.000.
  - McIntyre, John M.; Birdwell, Jeffrey D.; and Smith, Bruce R., 4,826,554, Cl. 156-280.000.
- Birek, Peter: *See—*
  - McCulloch, Christopher A. G.; and Birek, Peter, 4,878,841, Cl. 433-72.000.
- Bireley, Richard L., to Aquametrics, Inc. Soil Moisture monitor. 4,850,386, 7-25-89, Cl. 137-78.300.
- Bires, Carmen D.; Helioff, Michael W.; and Chaudhuri, Ratan K., to GAF Corporation. Article for permanent structure alteration of hair. 4,848,377, 7-18-89, Cl. 132-222.000.
- Bires, Carmen D.: *See—*
  - Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., 4,834,767, Cl. 8-416.000.
  - Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., 4,871,535, Cl. 424-71.000.
- Birgmeir, Klaus; and Wagensonner, Eduard, to Agfa-Gevaert Aktiengesellschaft. Method of and apparatus for printing a color image using dichroic filters and a phosphor which strongly emits red light and weakly emits green and blue light. 4,831,436, 5-16-89, Cl. 358-75.000.
- Birgmeir, Klaus, to Agfa - Gevaert Aktiengesellschaft. Apparatus and method for the reproduction of colored originals with gray balance and/or contrast adjustment. 4,841,360, 6-20-89, Cl. 358-80.000.
- Birgmeir, Klaus: *See—*
  - Wagensonner, Eduard; Ruf, Wolfgang; Fuchsberger, Hermann; and Birgmeir, Klaus, 4,812,903, Cl. 358-80.000.
- Birgning, Torbjorn: *See—*
  - Palsgard, Gote; Vikterlof, Karl-Johan; Persson, Carl-Eric; Nygren, Nils O.; and Birgning, Torbjorn, 4,848,360, Cl. 128-773.000.
- Biricik, V. Warren; and Nakatsukasa, Frank R., to Northrop Corporation. Method and apparatus for measuring non-reciprocal loss of thin magnetic films and magnetic mirrors. 4,866,264, 9-12-89, Cl. 250-225.000.
- Birillo, Benjamin. Triangular electric ceiling fixture. 4,885,665, 12-5-89, Cl. 362-147.000.
- Birk, Aviezer, to United States of America, Army. Regenerative electrical igniter for a liquid propellant gun. 4,838,142, 6-13-89, Cl. 89-7.000.
- Birk, Daniel J.: *See—*
  - Bellavia, Nicholas J.; Birk, Daniel J.; Conforti, Fred J.; and Sisselman, Ronald, 4,827,244, Cl. 340-514.000.
- Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C., and Liebes, Sidney, Jr., to Hewlett-Packard Company. System for sensing and forming objects such as leads of electronic components. 4,813,255, 3-21-89, Cl. 72-19.000.
- Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., to Hewlett-Packard Co. System for sensing and forming objects such as leads of electronic components. 4,821,157, 4-11-89, Cl. 362-241.000.
- Birken, Steven: *See—*
  - Canfield, Robert E.; Armstrong, Elmo G.; Ehrlich, Paul H.; and Birken, Steven, 4,851,356, Cl. 436-510.000.
- Birkenbach, Alfred: *See—*
  - Schonlau, Juergen; Birkenbach, Alfred; and Harth, Ralf, 4,828,329, Cl. 303-9.690.
  - Schonlau, Juergen; Birkenbach, Alfred; and Harth, Ralf, 4,840,433, Cl. 303-9.680.
- Birkenbeul, Heinz: *See—*
  - Axelsson, Owe; Holmgren, Harry; and Birkenbeul, Heinz, 4,856,709, Cl. 229-125.340.
- Birkenfeld, Richard: *See—*
  - Klupfel, Olaf; and Birkenfeld, Richard, 4,845,918, Cl. 53-170.000.
- Birkert, Karl; and Marburger, Heinz, to Rowenta-Werke GmbH. Electric toaster. 4,878,423, 11-7-89, Cl. 99-332.000.
- Birkett, Liam M.: *See—*
  - Tierney, Martin J.; and Birkett, Liam M., 4,845,868, Cl. 38-71.000.
- Birkholz, Ulrich, to Siemens Aktiengesellschaft. Method and apparatus for the manufacture of an otoplastic shell. 4,828,777, 5-9-89, Cl. 264-139.000.
- Birkholz, Ulrich; Haertl, Christof; and Nassler, Peter, to Siemens Aktiengesellschaft. Method and apparatus for producing an ear impression. 4,834,927, 5-30-89, Cl. 264-134.000.
- Birkholz, Ulrich; Haertl, Christof; and Nassler, Peter, to Siemens Aktiengesellachaft. Apparatus for srewing a cover onto a screw neck of a hearing aid. 4,840,249, 6-20-89, Cl. 181-129.000.
- Birkle, Alan D., to Motorola, Inc. Self-fixturing heat sink. 4,803,545, 2-7-89, Cl. 357-81.000.
- Birkle, Siegfried; and Gehring, Johann, to Siemens Aktiengesellschaft. Lapping device for surface enhancement of bulk material. 4,803,811, 2-14-89, Cl. 51-7.000.
- Birkle, Siegfried; Sezi, Recai; Feucht, Hans-Dieter; and Leuschner, Rainer, to Siemens Aktiengesellschaft. Method for generating resist structures. 4,812,200, 3-14-89, Cl. 156-643.000.
- Birkle, Siegfried: *See—*
  - Gehring, Johann; and Birkle, Siegfried, 4,876,801, Cl. 34-9.000.
- Birkmaier, Georg: *See—*
  - Kohlhase, Armin; Birkmaier, Georg; and Wienerroither, Friedrich, 4,865,713, Cl. 204-298.000.
- Birkmann, Josef; and Toral, Jose, to Agfa-Gevaert Aktiengesellschaft. Clamping device for the hubs of reels of magnetic tape. 4,805,848, 2-21-89, Cl. 242-68.300.
- Birkmann, Rolf: *See—*
  - Spaeth, Werner; Waitl, Guenther; Kuhlmann, Werner; Althaus, Hans-Ludwig; Birkmann, Rolf; Klos, Waltraud; and Schubert, Axel, 4,875,750, Cl. 350-96.180.
- Birkmayer, Walter: *See—*
  - Knoll, Jozsef; Birkmayer, Walter; Kalloy, Katalin; Marton, Jeno; and Ecsery, Zoltan, 4,880,833, Cl. 514-565.000.
- Birkner, John M. Programmable resistance network. 4,862,136, 8-29-89, Cl. 338-195.000.
- Birko Corporation: *See—*
  - McAninch, Terry L., 4,828,727, Cl. 252-11.000.
- Birks, John W.; and Shellum, Curtis L., to Cooperative Institute for Research in Environmental Sciences Univers. of Colorado. Method of improving the detection limits of UV-VIS absorbing compounds in HPLC by the use of a singlet oxygen trap. 4,806,485, 2-21-89, Cl. 436-140.000.
- Birks, John W.; Getty, Julie N.; and Getty, Richard H., to University Patents, Inc. Process for detection of organosulfur compounds and apparatus therefor. 4,847,207, 7-11-89, Cl. 436-120.000.
- Birli, Joseph A., Jr.: *See—*
  - Birli, Joseph A., Sr.; and Birli, Joseph A., Jr., 4,887,429, Cl. 60-527.000.
- Birli, Joseph A., Sr.; and Birli, Joseph A., Jr., to Design & Manufacturing Corporation. Electro-thermal actuator. 4,887,429, 12-19-89, Cl. 60-527.000.
- Birman, Stephen P.; Smith, Richard B.; and Thompson, Richard L., to Stanadyne, Inc. Cold drawn free-machining resulfurized and rephosphorized steel bars having controlled mechanical properties and controlled machinability. 4,680,479, 11-14-89, Cl. 148-320.000.
- Birmingham Bolt Company, Inc.: *See—*
  - Schaeffer, Charles W., 4,859,118, Cl. 405-259.000.
  - White, Claude C., 4,876,877, Cl. 72-388.000.
- Birmingham, Peter C. Baseball training device. 4,802,669, 2-7-89, Cl. 273-26.00C.
- Birmingham, Virginia A.; and Seno, Eugene T., to Eli Lilly and Company. Tylosin resistance-conferring gene, designated tlrB, for use in streptomyces and other organisms. 4,879,241, 11-7-89, Cl. 435-253.500.
- Birmingham, Virginia A.; Cox, Karen L.; and Seno, Eugene T., to Eli Lilly and Company. Tylosin resistance-conferring gene, designated tlrC, for use in *streptomyces fradiae*. 4,889,809, 12-26-89, Cl. 435-252.300.
- Birnbach, Curtis; and Hsu, Fu Kuo, to Quantum Diagnostics Ltd. Optical image processor with highly selectable modulation transfer function. 4,854,669, 8-8-89, Cl. 350-162.120.
- Birnbach, Curtis A.; and Heese, Richard N., to Quantum Diagnostics Ltd. Tunable broadband source in millimeter wavelength range of spectrum. 4,801,848, 1-31-89, Cl. 315-5.410.
- Birnbach, Stefan: *See—*
  - Baur, Richard; Richter, Felix; Birnbach, Stefan; Fikentscher, Rolf; Oftring, Alfred; Winkler, Ekhard; and Bochnitschek, Werner, 4,827,014, Cl. 558-441.000.
- Biro, Gabor; Breitner, Robert; Fazekas, Gabor; Hejjas, Istvan; Niklai, Peter; Rubik, Erno ; Szabo, Karoly; and Tothmatyas, Istvan, to Rubik Studio. Electronic spatial logical toy containing movable and/or rotatable elements. 4,817,952, 4-4-89, Cl. 273-153.00S.
- Biro, Gabor: *See—*
  - Foldi, Tivadar; Biro, Gabor; Barna, Tamas; and Nagy, Imre, 4,833,577, Cl. 362-247.000.
- Biro, Laszlo; Malin, Konrad; and Schmid, Otto, to International Business Machines Corporation. Method of forming silicon and oxygen containing layers. 4,849,259, 7-18-89, Cl. 427-248.100.
- Biro , Zoltan: *See—*
  - Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.
- Birot, Patrice: *See—*
  - Fontanes, Sylvain; Birot, Patrice; Marguinaud, Andre ; Quignon, Thierry; and Romann, Brigitte, 4,885,756, Cl. 375-82.000.
- Birow, Inc.: *See—*
  - Bird, John W., 4,796,556, Cl. 118-46.000.
  - Bird, John W., 4,841,903, Cl. 118-46.000.
- Birr, Hans-Joachim: *See—*
  - Hannemann, Peter; Kemker, Uwe; Birr, Hans-Joachim; and Guhne, Wieland, 4,846,426, Cl. 248-360.000.
- Birrell, G. Bruce: *See—*
  - Mrsny, Randall J.; Birrell, G. Bruce; and Volwerk, Johannes J., 4,879,220, Cl. 435-7.000.
- Birrell, Steven E.: *See—*
  - Gibson, James O.; Gearhart, Victor C.; Birrell, Steven E.; and Hawrylow, Gabriele M., 4,802,186, Cl. 372-92.000.

Gibson, James O.; Gearhart, Victor C.; Birrell, Steven E.; and Hawrylow, Gabriele M., 4,805,181, Cl. 372-72.000.
Birsa, Ludwig. Fuel supply system for internal combustion engines. 4,878,475, 11-7-89, Cl. 123-525.000.
Birsching, Joel E., to General Motors Corporation. Four-wheel steering system. 4,836,566, 6-6-89, Cl. 280-91.000.
Birt, Robert M. Motor vehicle window ventilator. 4,799,422, 1-24-89, Cl. 98-2.130.
Birth, Winfried: *See—*
  Wilhelm, Wilhelm; and Birth, Winfried, 4,879,530, Cl. 331-45.000.
Birtwhistle, Philip, to Portals Engineering Limited. Gathering machine. 4,830,352, 5-16-89, Cl. 270-54.000.
Birzer, Richard: *See—*
  Hope, James E.; Leyerle, John C.; Birzer, Richard; and Hohman, Jeffrey L., 4,842,005, Cl. 137-101.190.
Bisabri-Ershadi, Barat; and Rigterink, Raymond H., to Dow Chemical Company, The. Substituted N-aroyl N'-phenyl urea compounds. 4,868,215, 9-19-89, Cl. 514-594.000.
Bisaga, Gary J.: *See—*
  Florea, Michael; Foster, Stephen C.; and Bisaga, Gary J., 4,800,559, Cl. 370-94.000.
Bisagni, Christine: *See—*
  Mallary, Michael; Bisagni, Christine; and Liu, Shu-Huei, 4,828,966, Cl. 430-314.000.
Bisagni, Emile; Chi Hung, Nguyen; and Pepin, Odile, to Sanofi; and Centre National De La Recherche Scientifique. Derivatives of pyridoindole, having anti-tumor properties. 4,835,160, 5-30-89, Cl. 514-292.000.
Bisagni, Emile R.; Nguyen, Hung C.; and de Cointet, Paul M., to Sanofi and Centre National De La Recherche Scientifique. 1,2-dihydro-4-methyl-1-oxo-5H-pyrido(4,3-b)indoles and the process for their synthesis. 4,870,180, 9-26-89, Cl. 546-86.000.
Bisaiji, Takashi, to Ricoh Company, Ltd. Method and apparatus applicable to multicolor developing device for detecting image density. 4,837,597, 6-6-89, Cl. 355-203.000.
Bisaiji, Takashi; Sawayama, Noboru; and Yoo, Hideo, to Ricoh Company, Ltd. Toner density control for multicolor electrophotographic copier. 4,875,079, 10-17-89, Cl. 355-246.000.
Bisbee, Jerry L. Child-proof adaptor for disposable butane cigarette lighter. 4,799,877, 1-24-89, Cl. 431-153.000.
Bisbee, Jerry L. Child-proof cigarette lighter. 4,822,276, 4-18-89, Cl. 431-153.000.
Bisbiglia, Michael S.: *See—*
  Morrow, Marvin D.; and Bisbiglia, Michael S., 4,863,094, Cl. 229-125.030.
Bisbing, Robert H., to Southco, Inc. Flexible draw latch. 4,804,215, 2-14-89, Cl. 292-113.000.
Bisbing, Robert H., to Southco, Inc. Flexible draw latch. 4,828,298, 5-9-89, Cl. 292-113.000.
Bisbing, Robert H., to Southco, Inc. Flexible draw latch. 4,830,413, 5-16-89, Cl. 292-247.000.
Bisbing, Robert H., to Southco, Inc. Binary coded key and latch-actuator. 4,878,367, 11-7-89, Cl. 70-491.000.
Bisbing, Robert H., to Southco, Inc. Remote latch mechanism. 4,880,261, 11-14-89, Cl. 292-7.000.
Biscardi, Jeffrey K.: *See—*
  Werner, Walter N.; Biscardi, Jeffrey K.; and McClain, Edward L., 4,885,930, Cl. 73-37.000.
Bischof, Albert; and Rumps, Norbert A., Jr., to American Telephone and Telegraph Company, AT&T Teletype. Torsion spring powered door. 4,804,238, 2-14-89, Cl. 312-138.00R.
Bischof, Klaudia: *See—*
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Bischoff, Didier: *See—*
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Bischoff, Dietmar: *See—*
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Bischoff, Edelbert; and Schirmacher, Wolfgang, to Werner & Mertz GmbH. Procedure for the detection of allergen-containing house dust. 4,806,490, 2-21-89, Cl. 436-98.000.
Bischoff, Gary; Blokkum, Dag R.; de Leon Penaloza, Antonio, III; and Peterson, David L., to International Business Machines Corporation. Memory allocation for multiple processors. 4,827,406, 5-2-89, Cl. 364-200.000.
Bischoff, Hilmar: *See—*
  Goldmann, Siegfried; Bischoff, Hilmar; Puls, Walter; Bender, Joachim; Petzinna, Dieter; and Schlossmann, Klaus, 4,801,715, Cl. 546-116.000.
Bisco Products Inc.: *See—*
  Anderson, James S.; Hoffman, Kenneth A.; Julis, Jeffrey E.; and Mercado, Malinda, 4,822,659, Cl. 428-99.000.
  Julis, Jeffrey E.; and Mercado, Malinda S., 4,865,907, Cl. 428-241.000.
Bisconte, Jean-Claude, to Institut National de la Sante et de la Recherche Medicale. Automatic device for the analysis and cloning of cellular cultures as well as for bacteriological analysis. 4,800,164, 1-24-89, Cl. 435-300.000.
Bisconte, Jean-Claude, to Universite Paris-Nord. Means to automatically hold, process, store and analyze biological samples. 4,883,642, 11-28-89, Cl. 422-66.000.
Bisconti, Edward M. Adjustable clamp with slot and guide. 4,794,675, 1-3-89, Cl. 24-455.000.
Biseniex, Egils A.: *See—*
  Makarova, Natalya V.; Biseniex, Egils A.; Uldrikis, Yan R.; Dubur, Gunar Y.; Veveris, Maris M.; and Kimenis, Agris A., 4,845,109, Cl. 514-356.000.
Bises, George A.: *See—*
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Bish, James R.; McCartney, Charles P., Jr.; and Meadows, Clarence A., to General Motors Corporation. Electric storage battery. 4,800,142, 1-24-89, Cl. 429-130.000.
Bishara, Jeries I.; Vaccaro, Anthony J.; and Rudd, Eric J., to ELTECH Systems Corporation. Highly magnetic iron oxide powder. 4,822,508, 4-18-89, Cl. 252-62.560.
Bishell, Calvin; and Bishell, Judy. Granular material dispenser. 4,848,597, 7-18-89, Cl. 222-169.000.
Bishell, Judy: *See—*
  Bishell, Calvin; and Bishell, Judy, 4,848,597, Cl. 222-169.000.
Bishop, Arthur E.; and Baxter, John. Power steering valve. 4,840,187, 6-20-89, Cl. 137-625.210.
Bishop, Arthur E. Rotary valve for internal combustion engine. 4,852,532, 8-1-89, Cl. 123-190.0BD.
Bishop, Arthur E.; and Scott, David W., to Bishop & Associates, A.E. Indexing and transporting mechanism. 4,860,414, 8-29-89, Cl. 29-38.00C.
Bishop & Associates, A. E.: *See—*
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Bishop, Bernard F. Apparatus for guiding, holding or moving longitudinal elements. 4,869,412, 9-26-89, Cl. 226-170.000.
Bishop, Carolyn B. Bed guard. 4,872,228, 10-10-89, Cl. 5-425.000.
Bishop, Chester O., Jr.; Dennis, Malcolm I.; Riley, Peter S.; Richardson, Christopher C.; and Shaw, Vincent P. Advertising device. 4,853,678, 8-1-89, Cl. 340-573.000.
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Bishop, Dolores; and Morris, Mark M. Protective facial mask. 4,827,923, 5-9-89, Cl. 128-206.110.
Bishop, Eugene R.; Schneider, Matthew L.; and Rosshirt, Hermann, to North American Philips Corp. Side-looking speed sensor. 4,841,243, 6-20-89, Cl. 324-174.000.
Bishop, Frank W., to George Blair Public Limited Company. Freight container lifting means. 4,854,807, 8-8-89, Cl. 414-498.000.
Bishop, Gerald L., Jr.; Bogart, Robert W.; and Kader, Lawrence L. Cassette having photostimulable luminescent substrate. 4,827,134, 5-2-89, Cl. 250-484.100.
Bishop, Glen W.; and Hornbostel, Scott C., to Exxon Production Research Company. Method for restoring the background appearance of two-dimensional filtered seismic data. 4,809,238, 2-28-89, Cl. 367-46.000.
Bishop, H. John; Merriss, Morley M.; Ohlsson, Thomas L.; and Sopra, Terrence G., to Granger Associates. Transmultiplexer virtual group distribution frame. 4,813,035, 3-14-89, Cl. 370-50.000.
Bishop, Jerry B., to Sigma-Tek, Inc. Self-lubricating rotary vane pump. 4,820,140, 4-11-89, Cl. 418-152.000.
Bishop, Jerry W.; Savas, Keith G.; and Wilson, Wendell G., to Jerry W. Bishop. Vegetable crisper. 4,860,555, 8-29-89, Cl. 62-376.000.
Bishop, Julian J.: *See—*
  Prince, Thomas F.; Bishop, Julian J.; and Walkup, William B., 4,822,297, Cl. 439-395.000.
Bishop, Louis, Jr.: *See—*
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Bishop, Malcolm J.: *See—*
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Bishop, Margaret E. Decorative fish mold and method of using same. 4,827,838, 5-9-89, Cl. 99-426.000.
Bishop, Matthew M.: *See—*
  McAlister, Steve R., 4,851,809, Cl. 340-442.000.
Bishop, Maurice E. Orbital-action clamps. 4,805,888, 2-21-89, Cl. 269-99.000.
Bishop, Norman G.; Bottinelli, N. Edward; and Kotraba, Norman L., to Zia Technology, Inc. Method for reclaiming metal values from electric arc furnace flue dust and sludge and rendering residual solids recyclable or non-hazardous. 4,836,847, 6-6-89, Cl. 75-25.000.
Bishop, Paul W.; and Wundschock, Karl H., to Rhone-Poulenc Nederland B.V. Spray apparatus. 4,824,024, 4-25-89, Cl. 239-333.150.
Bishop, Robert P.; Berg, Peter G.; and Offiler, Stephen B., to Texas Instruments Incorporated. Canister cover heater for automotive vapor canister. 4,864,103, 9-5-89, Cl. 219-375.000.
Bishop, Robert P.; Sabetti, Anthony J.; and Charboneau, Thomas T., to Texas Instruments Incorporated. Pressure sensor. 4,875,135, 10-17-89, Cl. 361-283.000.
Bishop, Robert P., to Texas Instruments Incorporated. High pressure package for pressure transducers. 4,888,662, 12-19-89, Cl. 361-283.000.
Bishop, Roger B.; Ash, Charles E.; and Herliczek, Siegfried H., to Libbey-Owens-Ford Co. Prepress apparatus and method. 4,865,677, 9-12-89, Cl. 156-104.000.
Bishop, Roy G., to Micro-Port International Ltd. Anti-tamper device for utility meters. 4,833,455, 5-23-89, Cl. 340-568.000.
Bishop, Roy G. Voltage testing device attachable to the blade terminals of a power meter. 4,884,022, 11-28-89, Cl. 324-157.000.
Bishop, Steven C. Hand held drill with integral drill bit sharpener. 4,850,150, 7-25-89, Cl. 51-128.000.
Bishop, Thomas P.; Davis, Mark H.; Fish, Robert W.; Peterson, James S.; and Surratt, Grover T., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Multiprocessor memory management method. 4,811,216, 3-7-89, Cl. 364-200.000.
Bishop, Thomas P.; Butvila, Jonas; Fitch, David J.; Hansen, Robert C.; Schmitt, David A.; and Surratt, Grover T., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Reconfigurable dual processor system. 4,823,256, 4-18-89, Cl. 364-200.000.
Bishop, Thomas P.; Fish, Robert W.; Peterson, James S.; and Tuvell, Walter E., Jr., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Virtual execution of programs on a multiprocessor system. 4,849,877, 7-18-89, Cl. 364-200.000.
Bishop, Thomas R.: *See—*
  Peil, Archie W.; and Bishop, Thomas R., 4,877,217, Cl. 251-1.300.
Bishop, Timothy; Ohtaka, Tohru; Bessho, Keiichi; Sugimoto, Takeshi; and Igarashi, Katsutoshi, to DeSoto, Inc. Optical fiber bundling material and bundled optical fibers. 4,844,604, 7-4-89, Cl. 350-96.240.
Bishop, Timothy E., to DeSoto, Inc. Ultraviolet-curable coatings for optical glass fibers having improved adhesion. 4,849,462, 7-18-89, Cl. 522-97.000.
Bishop, Timothy E.: *See—*
  Krajewski, John J.; Bishop, Timothy E.; Coady, Clive J.; Zimmerman, John M.; Noren, Gerry K.; and Fisher, Christopher E., 4,806,574, Cl. 522-96.000.
  Zimmerman, John M.; and Bishop, Timothy E., 4,798,852, Cl. 522-96.000.
Bishopbarn Limited: *See—*
  Franklin, Kenneth W., 4,850,627, Cl. 294-2.000.
Bisiach, Bruno. Laser beam robot for cutting and welding. 4,870,246, 9-26-89, Cl. 219-121.780.
Bisiach & Carru' S.p.A.: *See—*
  Bisiach, Luciano, 4,827,790, Cl. 74-425.000.
Bisiach, Luciano, to Bisiach & Carru' S.p.A. System for the automatic recovery of play between a worm and worm gear. 4,827,790, 5-9-89, Cl. 74-425.000.
Bisio, Paul D.: *See—*
  Royce, Ralph R.; Kremer, Bernard K.; and Bisio, Paul D., 4,889,643, Cl. 252-8.800.
Biskup, Ulrich: *See—*
  Eckhardt, Volker; Dicke, Hans-Rudolf; Bottenbruch, Ludwig; Freitag, Dieter; and Biskup, Ulrich, 4,801,677, Cl. 528-176.000.
Bisle, Werner: *See—*
  Reis, Werner; and Bisle, Werner, 4,887,019, Cl. 350-6.100.
Bison Instruments, Inc.: *See—*
  Nelson, John H., 4,823,129, Cl. 341-139.000.
Bison-Werke Baehre: *See—*
  Bartling, Werner; and Jagode, Fritz H., 4,888,884, Cl. 34-32.000.
Bison-Werke Baehre & Greten GmbH & Co. KG: *See—*
  Greten, Berndt; and Seeger, Gunter, 4,850,848, Cl. 425-371.000.
Bisping, Bernhard: *See—*
  Becker, Wilfried; and Bisping, Bernhard, 4,872,409, Cl. 102-517.000.
  Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.000.
Bisping, Hans-Jurgen. Implantable electrode with active fixation means. 4,799,499, 1-24-89, Cl. 128-785.000.
Bisping, Hans-Jurgen. Implantable lead assembly with extendable screw-in electrode. 4,886,074, 12-12-89, Cl. 128-785.000.
Bisping, Heinz; Gahler, Alfred; Hoffmann, Armin; and Popp, Franz, to Hilti Aktiengesellschaft. Anchoring unit for use in structures with internal open spaces. 4,836,729, 6-6-89, Cl. 411-82.000.
Bisping, Heinz; Leibhard, Erich; and Mauthe, Peter, to Hilti Aktiengesellschaft. Anchor member with electrical insulation jacket. 4,840,524, 6-20-89, Cl. 411-82.000.
Bissell Health Care Corporation: *See—*
  Janssen, Donald; and Stemm, Howard W., 4,856,540, Cl. 131-339.000.
  Janssen, Donald; and Stemm, Howard W., 4,877,040, Cl. 131-189.000.
Bissell Inc.: *See—*
  Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,800,613, Cl. 15-321.000.
  Blase, Michael R.; Goodrich, Gordon W.; and Rosendall, Henry J., 4,827,562, Cl. 15-353.000.
  Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,847,943, Cl. 15-352.000.
  Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,854,544, Cl. 251-245.000.
  Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,864,680, Cl. 15-321.000.
  Goodrich, Gordon W.; and Rosendall, Henry J., 4,809,393, Cl. 15-323.000.
  Rosendall, Henry J., 4,878,261, Cl. 15-41.00R.
Bissendorf Peptide GmbH: *See—*
  Schmoll, Hans-Joachim; Schmoll, Ekkehard; and Lax, Edmund R., 4,820,261, Cl. 604-4.000.
Bissett, Donald L.; Bush, Rodney D.; and Chatterjee, Ranjit, to Procter & Gamble Company, The. Photoprotection compositions comprising tocopherol sorbate and an anti-inflammatory agent. 4,847,071, 7-11-89, Cl. 424-59.000.
Bissett, Donald L.; and Bush, Rodney D., to Procter & Gamble Company, The. Photoprotection compositions comprising tocopherol sorbate. 4,847,072, 7-11-89, Cl. 424-59.000.
Bissett, Donald Lynn; and Chatterjee, Ranjit, to Procter & Gamble Company, The. Photoprotection compositions comprising sorbohydroxamic acid and an anti-inflammatory agent. 4,847,069, 7-11-89, Cl. 424-47.000.
Bissett, Thomas D.: *See—*
  Bruckert, William F.; and Bissett, Thomas D., 4,862,465, Cl. 371-68.000.
Bissett, William R. Mobile satellite receiving antenna especially for recreation vehicle. 4,811,026, 3-7-89, Cl. 343-766.000.
Bissig, Josef; and Hilfiker, Peter, to Sprecher & Schuh AG. Mode switching device for an electrical switch. 4,843,196, 6-27-89, Cl. 200-336.000.
Bissinger, Horst D.: *See—*
  Draggoo, Vaughn G.; Morton, Richard G.; Sawicki, Richard H.; and Bissinger, Horst D., 4,868,768, Cl. 364-525.000.
Bisson, Flavio; Cattaneo, Giacomo; and Peiretti, Domenico, to Necchi Societa per Azioni. Electronic sewing machine. 4,819,573, 4-11-89, Cl. 112-454.000.
Bisson, Joel, to Northern Telecom Limited. Asynchronous processor arbitration circuit. 4,841,178, 6-20-89, Cl. 307-518.000.
Bissonnett, Alan; and Engelhardt, Bernard, to Engelhardt, Bernard. Bait. 4,823,499, 4-25-89, Cl. 43-41.000.
Bissonnette, Laurent C., to United States of America, Navy. Elastomeric impulse energy storage and transfer system. 4,848,210, 7-18-89, Cl. 89-1.810.
Bissot, Thomas C., to Du Pont de Nemours, E. I., and Company. Ethylene vinyl alcohol copolymers containing platelet-type mica fillers, processes for preparing same and multi-layer containers with layers thereof. 4,818,782, 4-4-89, Cl. 524-413.000.
Bister, Erhard; Huth, Hans-Ullrich; and Stelzel, Werner, to Hoechst Aktiengesellschaft. Use of aqueous cationic dispersions of synthetic resins for impregnating and priming of absorbent substrates. 4,871,594, 10-3-89, Cl. 427-430.100.
Bistrian, Bruce R.; Babayan, Vigen K.; and Blackburn, George L., to New England Deaconess Hospital Corporation. Kernel oils and disease treatment. 4,810,726, 3-7-89, Cl. 514-552.000.
Bistrian, Bruce R.; Babayan, Vigen K.; Blackburn, George L.; and Mascioli, Edward A., to New England Deaconess Hospital Corporation. Dietary supplement utilizing ω-3/medium chain trigylceride mixtures. 4,871,768, 10-3-89, Cl. 514-547.000.
Bistrian, Bruce R.: *See—*
  Babayan, Vigen K.; Blackburn, George L.; and Bistrian, Bruce R., 4,847,296, Cl. 514-552.000.
  Mascioli, Edward A.; Blackburn, George L.; Bistrian, Bruce R.; and Babayan, Vigen K., 4,820,731, Cl. 514-549.000.
Biswas, Dipak R.: *See—*
  Vaughan, A. Dahlgren; and Biswas, Dipak R., 4,838,918, Cl. 65-12.000.
Bitaillou, Alexis; and Grandguillot, Michel, to International Business Machines Corporation. Method of forming solder terminals for a pinless ceramic module. 4,830,264, 5-16-89, Cl. 228-180.200.
Bitel, Vincent J., to Rogers Manufacturing Company, The. Food service tray and assembly thereof. 4,838,444, 6-13-89, Cl. 220-4.00E.
Bitetti, Rodolfo, to Veglia Borletti S.r.l. Device for sensing the level of a liquid within the interior of a container. 4,801,926, 1-31-89, Cl. 340-624.000.
Bitetti, Rodolfo, to Veglia Borletti S.r.l. Tachometric generator. 4,811,603, 3-14-89, Cl. 73-493.000.
Bitetti, Rodolfo, to Veglia Borletti S.r.l. Speed indicator device for vehicles. 4,815,322, 3-28-89, Cl. 73-519.000.
Bitetti, Rodolfo, to Veglia Borletti S.r.l. Tachometric device driven by an electric motor. 4,818,926, 4-4-89, Cl. 318-618.000.
Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, to American Cyanamid Company. Synthesis of cisplatin analogs. 4,808,730, 2-28-89, Cl. 549-211.000.
Bitha, Panayota; and Lin, Yang-I, to American Cyanamid Company. Process for preparing 2-chloro-4,5-difluorobenzoic acid. 4,833,270, 5-23-89, Cl. 562-493.000.
Bitha, Panayota; Child, Ralph G.; Hlavka, Joseph J.; and Lin, Yang-I, to American Cyanamid Company. Platinum complexes of amines with novel dibasic acids. 4,866,092, 9-12-89, Cl. 514-492.000.
Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, to American Cyanamid Company. Water soluble platinum complexes of novel malonate derivatives. 4,870,070, 9-26-89, Cl. 514-184.000.
Bitha, Panayota: *See—*
  Child, Ralph G.; Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,880,790, Cl. 514-184.000.
Bither, Peter G.; Ellers, Berne F.; and Engle, Edward I., III, to Hercules Incorporated. Absorbent product with hydrophobic acquisition layer. 4,885,204, 12-5-89, Cl. 428-284.000.
Bitller, Jean-Pierre; Faucher, Pascal; Hang-Hu, Monique; and Pelet, Andre, to Alcatel Cit. Electronic circuit housing. 4,858,068, 8-15-89, Cl. 361-380.000.
Bitner, C. Ellsworth; Harris, John D.; and Belcher, Richard D., to A.G.A. Credit. System for the protection of an aerial device having a pivotable boom. 4,833,615, 5-23-89, Cl. 364-463.000.
Bito, Hiroyasu: *See—*
  Hara, Kazuya; Inoue, Takanori; and Bito, Hiroyasu, 4,876,441, Cl. 235-488.000.
Bito, Laszlo Z., to Columbia University in the City of New York, The Trustees of. Use of A, B and C prostaglandins and derivatives thereof to treat ocular hypertension and glaucoma. 4,883,819, 11-28-89, Cl. 514-573.000.
Bitoh, Hiroyasu, to Casio Computer Co., Ltd. I C card system. 4,804,825, 2-14-89, Cl. 235-380.000.
Biton, Philippe F. M., to Societe a Responsabilite Limitee: L'Electricfil Industrie. Integrated ignition-transformer assembly for the cylinder

of a controlled ignition heat engine. 4,831,995, 5-23-89, Cl. 123-635.000.

Bitsch, Harald: *See—*

Flaig, Heinz; Neumann, Udo; Hasselmann, Heinz; Zacharias, Karl; Horbach, Rainer; and Bitsch, Harald, 4,877,987, Cl. 310-209.000.

Bitschkus, Horst; Hofmann, Manfred; Klockner, Karl-Heinz; Nelles, Uwe; and Siewert, Gunther, to Metzeler GmbH. Hydraulic-damping two-chamber engine mount. 4,852,864, 8-1-89, Cl. 267-219.000.

Bittar, Joseph; and Thangavelu, Kandasamy, to Otis Elevator Company. Contiguous floor channeling elevator dispatching. 4,804,069, 2-14-89, Cl. 187-125.000.

Bittar, Joseph, to Otis Elevator Company. Weighted relative system response elevator car assignment system with variable bonuses and penalties. 4,815,568, 3-28-89, Cl. 187-127.000.

Bittel, Robert W., to Lucerne Products, Inc. Reversing switch. 4,864,083, 9-5-89, Cl. 200-1.00V.

Bittenbinder, Stefan. Bag-holding article. 4,838,504, 6-13-89, Cl. 248-100.000.

Bittencourt, Helio T., to Electro Acustica S.A. Piezoelectric transducer and transformer circuit. 4,845,776, 7-4-89, Cl. 381-190.000.

Bitter, Johan G. A.; and Haan, Johannes P., to Shell Oil Company. Process for separating a fluid feed mixture containing hydrocarbon oil and an organic solvent. 4,810,366, 3-7-89, Cl. 208-308.000.

Bitter, Johan G. A., to Shell Oil Company. Supported membrane and process for its preparation. 4,837,055, 6-6-89, Cl. 427-244.000.

Bitter, Paul L. Apparatus for supporting plants. 4,841,670, 6-27-89, Cl. 47-47.000.

Bitter, Rudolf; and Senff, Gunter, to General Motors Corporation. Engine induction system. 4,886,020, 12-12-89, Cl. 123-52.00M.

Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., to Sandoz Ltd. Compounds useful as pigments containing one or more 2,2,6,6-tetraalkylpiperidine groups. 4,838,943, 6-13-89, Cl. 106-400.000.

Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., to Sandoz Ltd. Compounds useful as pigments containing one or more 2,2,6,6-tetraalkylpiperidine groups. 4,866,113, 9-12-89, Cl. 524-87.000.

Bitterly, Jack G., to Thermacor Technology, Inc. Pressurized dispenser. 4,867,344, 9-19-89, Cl. 222-94.000.

Bitterly, Jack G., to Thermacor Technology, Inc. Localized cooling apparatus. 4,869,250, 9-26-89, Cl. 128-400.000.

Bittihn, Rainer: *See—*

Nagele, Dieter; Kohler, Gernot; and Bittihn, Rainer, 4,816,359, Cl. 429-213.000.

Bitting, Ricky F., to NCR Corporation. Bandgap voltage reference including a process and temperature insensitive start-up circuit and power-down capability. 4,857,823, 8-15-89, Cl. 323-314.000.

Bittle, Jerry R.: *See—*

Welch, Gary E.; Appel, Marvin R.; and Bittle, Jerry R., 4,886,354, Cl. 356-70.000.

Bittler, Dieter; Laurent, Henry; Nickisch, Klaus; and Rach, Petra, to Schering Aktiengesellschaft. Dermatics utilizing 17βmethyl-18 nor steroids and methods for their use. 4,859,659, 8-22-89, Cl. 514-177.000.

Bittler, Dieter; Nickisch, Klaus; Laurent, Henry; Wiechert, Rudolf; and Haberey, Martin, to Schering Aktiengesellschaft. 2,2:6,6-diethylen-3-oxo-17α-pregn-4-ene-21,17α-carbolactones, process for their production and pharmaceutical preparations containing them. 4,868,166, 9-19-89, Cl. 514-173.000.

Bittmann, Peter: *See—*

Turina, Marko; and Bittmann, Peter, 4,804,381, Cl. 623-1.000.

Turina, Marko; and Bittmann, Peter, 4,804,382, Cl. 623-1.000.

Bittner, Burt J., to Harris Corp. RF harmonic monitor for detecting potential lightning strikes by induced corona. 4,823,228, 4-18-89, Cl. 361-218.000.

Bittner, Harry J., to National Semiconductor Corporation. Soft start for five pin switching regulators. 4,806,842, 2-21-89, Cl. 323-222.000.

Bittner, Michael L., to Monsanto Company. RecA promoter dependent polypeptide production. 4,843,006, 6-27-89, Cl. 435-172.300.

Bittner, Reinhold: *See—*

Machler, Meinrad; Bittner, Reinhold; Sachse, Richard; and Schlemmer, Harry, 4,838,645, Cl. 350-162.230.

Bittner, Ronny E., to Walt Disney Company, The. Method and apparatus for stabilizing and powering walking animated figures. 4,878,878, 11-7-89, Cl. 446-139.000.

Bittner, Wilfried A. A., to Maxwell Electronics Limited. Camera panner. 4,838,117, 6-13-89, Cl. 74-665.00C.

Bittorf, Bradley J.; Flood, Mark A.; Kalan, Michael D.; and Sepsi, Robert R., to Allen-Bradley Company, Inc. Programmable controller with a dual intermodule message system. 4,876,664, 10-24-89, Cl. 364-900.000.

Bitzel, Michael E.: *See—*

Elson, Donald E.; Gerke, Burton E., Jr.; Bitzel, Michael E.; Wilder, Bruce A.; Rodowsky, Stanley J., Jr.; Lessig, William R., III; Adams, Jeffrey S.; and Hagan, Todd A., 4,841,594, Cl. 15-344.000.

Bitzer, Howard C. Kit for easy one-person removal of a truck cap. 4,810,158, 3-7-89, Cl. 414-498.000.

Bitzinger, Rudolf; Engl, Walter; Humml, Siegfried; and Schreier, Klaus, to Siemens Aktiengesellschaft. Error protected central control unit of a switching system and method of operation of its memory configuration. 4,860,333, 8-22-89, Cl. 379-10.000.

Bivens, David J. Body brush and shower stall system. 4,858,257, 8-22-89, Cl. 4-606.000.

Bivens, Donald B.; and Connon, Helen A., to Du Pont de Nemours, E. I., and Company. Halocarbon blends for refrigerant use. 4,810,403, 3-7-89, Cl. 252-67.000.

Bivens, Thomas H. Apparatus for filtering liquids. 4,805,525, 2-21-8 Cl. 99-408.000.

Bivens Winchester Corporation: *See—*

Crotts, Lonnie; and Meadows, Thomas W., 4,872,238, C 15-302.000.

Crotts, Lonnie M., 4,815,158, Cl. 15-53.00A.

Crotts, Lonnie M.; and Rambo, William W., 4,865,058, C 134-45.000.

Rodgers, Lane, 4,836,467, Cl. 15-316.00R.

Biverot, Hans G., to U.S. Philips Corporation. Device for locating the source of coherent light through a turbulent medium. 4,868,3 9-19-89, Cl. 250-203.00R.

Bivins, Lawrence R.: *See—*

Tittmann, Bernhard R.; Richardson, John M.; Bulau, James R.; and Bivins, Lawrence R., 4,869,097, Cl. 73-52.000.

Bivona, Inc.: *See—*

Depel, William A.; and Weinberg, Bernd, 4,820,304, Cl. 623-9.00

Bivona, John: *See—*

Bivona, Steve; and Bivona, John, 4,867,121, Cl. 123-197.00A.

Bivona, Steve; and Bivona, John. Piston system for use in an interna combustion engine. 4,867,121, 9-19-89, Cl. 123-197.00A.

Bixby, James A.: *See—*

Berlekamp, Elwyn R.; Bixby, James A.; and Lemke, James L. 4,803,566, Cl. 360-26.000.

Bixel, John C.; Bellow, Edward J.; Heaney, William F.; and Facinell Sandra H., to Mobil Oil Corporation. Drying low rank coal an retarding spontaneous ignition. 4,828,576, 5-9-89, Cl. 44-501.000.

Bixel, John C.: *See—*

Bellow, Edward J., Jr.; Bixel, John C.; Heaney, William F.; and Yan, Tsoung Y., 4,828,575, Cl. 44-501.000.

Bixler, Alicia B.: *See—*

Bixler, Dickie R.; and Bixler, Alicia B., 4,813,375, Cl. 119-1.00

Bixler, Dickie R.; and Bixler, Alicia B. Brand vac. 4,813,375, 3-21-8 Cl. 119-1.000.

Bixler, Kenneth D., to Packaging Corporation of America. Filler fo construction. 4,821,901, 4-18-89, Cl. 217-18.000.

Bixler, Kenneth D., to Packaging Corporation of America. Carrier fo beverage containers. 4,823,959, 4-25-89, Cl. 206-562.000.

Bixler, Richard M.: *See—*

Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow William H.; Despotakis, John A.; Graziano, Peter J.; Green Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, Davi R.; McEvoy, Dennis L.; Treybig, James G.; and Wiereng Steven W., 4,807,116, Cl. 364-200.000.

Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow William H.; Despotakis, John A.; Graziano, Peter J.; Green Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, Davi R.; McEvoy, Dennis L.; Treybig, James G.; and Wiereng Steven W., 4,817,091, Cl. 371-9.000.

Bixler, Robert L., Jr.: *See—*

Bajzer, William X.; Bixler, Robert L., Jr.; Meddaugh, Michael D and Wright, Antony P., 4,798,818, Cl. 502-228.000.

Bixler, Timothy J.: *See—*

Bernard, Jay M.; Chodzko, Richard A.; and Bixler, Timothy J. 4,799,780, Cl. 350-600.000.

Bizerba-Werke Wilhelm Kraut GmbH & Co. KG: *See—*

Jetter, Hans, 4,836,036, Cl. 73-862.650.

Bizjak, Karl; Shantz, Michael; and Shwetz, Linda, to Sun Micros tems, Inc. Vertical blanking status flag indicator system. 4,860,2 8-22-89, Cl. 364-900.000.

Bjelk, Nils, to Besam AB. Apparatus for controlling the opening an closing of doors. 4,827,264, 5-2-89, Cl. 342-61.000.

Bjella, Russell. Method of making rings. 4,819,452, 4-11-89, C 63-15.000.

Bjerke, Goran: *See—*

Kajrup, Goran; and Bjerke, Goran, 4,862,719, Cl. 72-105.00

Bjerklie, John W., to Consolidated Natural Gas Service Company, In Porous body combustor/regenerator. 4,850,862, 7-25-89, C 432-182.000.

Bjerkoy, Rolf: *See—*

Langeland, Jan-Age; Gjestrum, Einar; and Bjerkoy, Rol 4,798,156, Cl. 114-242.000.

Bjernstad, Bjorn L. G.: *See—*

Rubbmark, Jan R.; Unruh, Leif A.; Bjernstad, Bjorn L. G.; Olse Nils E. H.; and Gerlach, Mariusz, 4,810,957, Cl. 324-61.00R.

Bjerre, Poul; Busk, Per; Gasbjerg, Knud; and Meinild, Curt. Chee press. 4,817,515, 4-4-89, Cl. 99-454.000.

BJK Industries, Inc.: *See—*

Krein, Reuben, 4,852,619, Cl. 141-7.000.

Krein, Reuben, 4,863,339, Cl. 414-786.000.

Bjorck, Lars; Erntell, Mats; and Myhre, Erling, to Hightech Recept AB. Protein L and subfragments thereof, with immunoglobu binding activity, a process for preparing thereof, reagent kit, pharma ceutical composition and a *peptococcus magnus* strain. 4,876,19 10-24-89, Cl. 435-68.000.

Bjorge, Robert W., to General Electric Company. Dual fuel, pressu combined cycle. 4,841,722, 6-27-89, Cl. 60-39.182.

Bjork, Curt: *See—*

Lejondahl, Lars-Erik; Karlsson, Bjorn G.; and Bjork, Cu 4,862,674, Cl. 53-432.000.

Bjork, Jon A.: *See—*

Whitcomb, David R.; and Bjork, Jon A., 4,808,565, Cl. 503-211.00

Bjork, Paul E.: *See—*

Lenz, James E.; Bjork, Paul E.; and Fujiwara, Hisatoshi, 4,857,7 Cl. 250-227.000.

Bjorke, Merlin D.; and Thue, Baard H., to Honeywell Inc. Pulse synchronizing apparatus. 4,816,834, 3-28-89, Cl. 342-120.000.

Bjorke, Merlin D.; and Thue, Baard H., to Honeywell Inc. Decorrelation tolerant coherent radar altimeter. 4,851,852, 7-25-89, Cl. 342-120.000.

Bjorkelund, Mats: *See—*

Andersson, Bjorn; Bjorkelund, Mats; Edstrom, Stefan; Fager, Jan; and Schofield, Monica, 4,831,232, Cl. 219-124.340.

Bjorkengren, Carl-Axel; Bergstrom, Magnus; and Gersbro, Per-Stefan, to AB Akerlund & Rausing. Method and a device for contamination free access to the contents of a packaging container. 4,848,594, 7-18-89, Cl. 222-1.000.

Bjorkholm, Paul: *See—*

Annis, Martin; and Bjorkholm, Paul, 4,819,256, Cl. 378-87.000.

Annis, Martin; and Bjorkholm, Paul, 4,839,913, Cl. 378-44.000.

Bjorkholm, Paul J., to American Science and Engineering, Inc. Diaphanography method and apparatus. 4,807,637, 2-28-89, Cl. 128-664.000.

Bjorkholm, Paul J.: *See—*

Annis, Martin; and Bjorkholm, Paul J., 4,799,247, Cl. 378-87.000.

Bjorkling, Fredrik: *See—*

Godtfredsen, Sven E.; and Bjorkling, Fredrik, 4,859,589, Cl. 435-73.000.

Bjorkman, Bengt H., to U.S. Philips Corporation. Apparatus for determining the path of a pulsed light beam. 4,867,556, 9-19-89, Cl. 356-1.000.

Bjorn-Ake Skold, Olof. Hovercraft with improved maneuverability. 4,828,058, 5-9-89, Cl. 180-116.000.

Bjornard, Eric: *See—*

Ross, Randall R.; Bjornard, Eric; and Strand, David, 4,876,667, Cl. 365-113.000.

Bjornson-Ljungblom, Kerstin: *See—*

Forgar, Monica; and Bjornson-Ljungblom, Kerstin, 4,838,868, Cl. 604-180.000.

Bjurling, Per A.; Ryf, Martin; and Embring, Goran P. Ultrasonic probe for testing the material of slotted or hollow pieces of the material. 4,864,178, 9-5-89, Cl. 310-334.000.

BKI/IP International, Inc.: *See—*

Hufford, Larry A.; Wentworth, Robert S., deceased; and Wentworth, Benning, executor, 4,804,194, Cl. 277-3.000.

BKS Company: *See—*

Camel, Scott T., 4,813,720, Cl. 285-419.000.

Blaas, Karl: *See—*

Baetschmann, Daniel; Nipp, Hansjorg; and Blaas, Karl, 4,807,587, Cl. 125-1.000.

Blacha, Armin U.: *See—*

Beha, Johannes G.; Blacha, Armin U.; Clauberg, Rolf; and Seitz, Hugo K., 4,843,329, Cl. 324-73.0PC.

Beha, Johannes G.; Blacha, Armin U.; Clauberg, Rolf; and Seitz, Hugo K., 4,868,492, Cl. 324-73.0PC.

Blachon, Georges. Process and device designed to scramble the data of a bar code by means of a transparent wrapping. 4,827,114, 5-2-89, Cl. 235-487.000.

Black, Charles H.; and LaSusa, Vincent, to Scientific Games of California, Inc. High-speed magnetic encoding apparatus and method. 4,835,624, 5-30-89, Cl. 360-2.000.

Black, Cheryl: *See—*

Rosenberg, Leonard S.; Black, Cheryl; Speicher, Earl R.; and Wagenknecht, Dietmar, 4,857,552, Cl. 514-538.000.

Black Clawson Company, The: *See—*

Chupka, David E.; and Landegger, Carl C., 4,795,560, Cl. 210-497.010.

Chupka, David E.; and Landegger, Carl C., 4,885,090, Cl. 210-497.010.

Creagan, Richard W.; and Nicol, Alan J., 4,875,977, Cl. 162-300.000.

Martin, Andrew C.; and Sauzedde, Christian, 4,851,111, Cl. 209-304.000.

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Black & Decker: *See—*

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Black & Decker, Inc.: *See—*

Bhagwat, Pradeep M.; Elson, Donald E.; and Walter, Richard T., 4,835,409, Cl. 307-64.000.

Bhagwat, Pradeep M.; Elson, Donald E.; and Walter, Richard T., 4,835,410, Cl. 307-64.000.

Bunyea, Roderick F., 4,871,629, Cl. 429-97.000.

Bunyea, Roderick F.; and Zurwelle, Donald W., 4,875,879, Cl. 439-501.000.

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Grossmann, Horst; and Staas, Ernst, 4,798,001, Cl. 30-355.000.

Grossmann, Horst; and Sturm, Michael, 4,856,195, Cl. 30-369.000.

Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., 4,827,837, Cl. 99-280.000.

Katz, Friedrich J.; and Abbratozzato, Salvatore R., 4,847,513, Cl. 307-149.000.

Lessig, William R., III, 4,853,575, Cl. 310-171.000.

Lyga, Thomas M.; and Ryckman, William D., Jr., 4,881,457, Cl. 99-323.500.

Martone, Louis C.; Burkholder, Robert F.; Asbjornsen, Lars F.; and Cavada, Luis O., 4,833,978, Cl. 99-280.000.

Miner, Johathan L., 4,870,714, Cl. 15-327.00C.

Miner, Jonathan L.; Lacher, Vernon R.; Rescigno, Gerald J.; Swim, William B.; Gierke, Martin P.; and Hahn, David A., 4,884,314, Cl. 15-344.000.

Nickels, Richard C., Jr.; and Podhorniak, Gary S., 4,800,357, Cl. 336-198.000.

O'Banion, Michael L.; Bean, Frederick R.; and Garuglieri, Andrea, 4,827,819, Cl. 83-471.300.

Speer, Howard D., 4,826,049, Cl. 222-146.500.

Timmons, Russell M.; and Bailey, Robert W., 4,794,737, Cl. 51-168.000.

Walter, Richard T.; Bhagwat, Pradeep; and Lipa, George W., 4,853,607, Cl. 320-36.000.

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Wheeler, Dale K.; and Coleman, Charles W., 4,848,779, Cl. 279-60.000.

Wheeler, Dale K., 4,885,496, Cl. 310-254.000.

Wilkins, Peter R., 4,833,298, Cl. 219-273.000.

Wilkins, Peter R., 4,835,364, Cl. 219-273.000.

Wilkins, Peter R., 4,843,215, Cl. 219-271.000.

Wilkins, Peter R., 4,851,642, Cl. 219-275.000.

Wilkins, Peter R., 4,855,568, Cl. 219-271.000.

Wilkins, Peter R., 4,857,703, Cl. 219-271.000.

Black & Decker Overseas AG: *See—*

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Black, Donald L.: *See—*

Lyndon-James, Ross; Gnadinger, Alfred P.; Black, Donald L.; and de Araujo, Carlos P., 4,800,543, Cl. 368-10.000.

Black, F. Owen: *See—*

Nashner, Lewis M.; Black, F. Owen; and Lilly, David J., 4,830,024, Cl. 178-787.000.

Black, George F., to Lucas Industries. Voltage control system. 4,804,923, 2-14-89, Cl. 328-26.000.

Black, Grover R. Apparatus for monitoring the moisture content of hay as it is being formed into a bale. 4,868,491, 9-19-89, Cl. 324-65.00R.

Black Hills Engineering & Development Corp.: *See—*

Newberg, James C., 4,814,550, Cl. 174-138.00R.

Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., to AG Communication Systems Corporation. Integrated services digital network module. 4,866,703, 9-12-89, Cl. 370-60.000.

Black, James C.: *See—*

Gluntz, Douglas M.; and Black, James C., 4,818,475, Cl. 376-282.000.

Black, James L.; and Wason, Cameron B., to Geophysical Service Inc. Method for true-amplitude dip moveout correction. 4,878,204, 10-31-89, Cl. 367-53.000.

Black, James R.: *See—*

Maeda, Edwin V.; and Black, James R., 4,820,097, Cl. 411-366.000.

Black, Jerry G.: *See—*

Rothschild, Mordechai; Black, Jerry G.; and Ehrlich, Daniel J., 4,888,203, Cl. 427-53.400.

Black, John J., Jr.; and Lamb, Harold A., III, to Cuno Incorporated. Filter cartridge with truncated sawtooth projection assembly. 4,865,738, 9-12-89, Cl. 210-484.000.

Black, John W. Gun mounted video camera. 4,835,621, 5-30-89, Cl. 358-335.000.

Black, John W.: *See—*

Acree, William M.; Edwards, Bobby; and Black, John W., 4,824,785, Cl. 435-237.000.

Black, Jonathan: *See—*

Latour, Robert A., Jr.; and Black, Jonathan, 4,858,473, Cl. 73-805.000.

Black, Kathleen A.: *See—*

Bigelis, Ramunas; and Black, Kathleen A., 4,877,728, Cl. 435-68.000.

Black, Laura E., to Exxon Research and Engineering Company. Selective permeation of aromatic hydrocarbons through polyethylene glycol impregnated regenerated cellulose or cellulose acetate membranes. 4,802,987, 2-7-89, Cl. 210-640.000.

Black, Laura E.; and Wan, Wan-Kei, to Exxon Research and Engineering Company. Reverse osmosis cellulose and cellulosic membranes prepared by repeated drying and rewetting. 4,857,201, 8-15-89, Cl. 210-655.000.

Black, Laura E., to Exxon Research and Engineering Company. Aromatics - non-armoatics separation by permeation through thermally crosslinked nitrile rubber membranes. 4,885,096, 12-5-89, Cl. 210-640.000.

Black, Lawrence A.: *See—*

Stout, David M.; Matier, William L.; and Black, Lawrence A., 4,810,704, Cl. 514-235.800.

Stout, David M.; Matier, William L.; and Black, Lawrence A., 4,810,714, Cl. 514-326.000.

Black, Lin. Cable stripping device. 4,876,792, 10-31-89, Cl. 30-90.900.

Black, Malcolm H.; and Blade, Robert J., to Burroughs Wellcome Co. Novel pesticides, preparation and use. 4,855,086, 8-8-89, Cl. 260-404.000.

Black, Malcolm H.; Frenkel, Alexander D.; and Roberts, Peter T., to Burroughs Wellcome Co. Pesticidal amines. 4,863,966, 9-5-89, Cl. 514-599.000.

Black, Michael F., to Texas Instruments Incorporated. System to verify phase lock of a phase lock loop. 4,866,402, 9-12-89, Cl. 331-1.00A.

Black, Patricia J.: *See*—

Beremand, Marian N.; and Black, Patricia J., 4,880,747, Cl. 435-254.000.

Black, Raymond J., to Allied-Signal Inc. Compact brake piston return mechanism. 4,815,359, 3-28-89, Cl. 92-13.100.

Black, Raymond J.: *See*—

Schultz, Max L.; and Black, Raymond J., 4,804,071, Cl. 188-71.500.

Black, Robert D., to General Electric Company. Lateral charge control semiconductor device and method of fabrication. 4,796,070, 1-3-89, Cl. 357-23.400.

Black, Robert H.; and Venaleck, John T., to Ohio Associated Enterprises, Inc. Method and apparatus for making electrical connecting device. 4,863,402, 9-5-89, Cl. 439-736.000.

Black, Robert H.; and Caprette, Samuel J., Jr., to B. F. Goodrich Company, The. Compliant tube baffle. 4,887,247, 12-12-89, Cl. 367-151.000.

Black, Roger A.: *See*—

Thompson-Russell, Kathryn C.; and Black, Roger A., 4,820,225, Cl. 445-43.000.

Black, Thomas J., Jr., to Ferrofluidics Corporation. Ferrofluid exclusion seal and method of assembly. 4,817,964, 4-4-89, Cl. 277-1.000.

Black & Webster, Inc.: *See*—

Livingston, Douglas J., 4,876,431, Cl. 219-110.000.

Black, William C., to Northern Microdesign Inc. Remote reading thermostat. 4,864,274, 9-5-89, Cl. 340-310.00R.

Blackaby, David E.: *See*—

Chen, Frank; Rogers, Tony W.; and Blackaby, David E., 4,849,374, Cl. 437-209.000.

Blackborow, Richard J.: *See*—

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Graham, Randolph H.; Peterson, Bruce R.; and Blackborow, Richard J., 4,882,671, Cl. 364-200.000.

Blackburn, Arthur M.; O'Neil, Robert A.; Foster, Terence J. C.; and White, Ian G., to Otter Controls Limited. Thermal control units. 4,829,280, 5-9-89, Cl. 337-299.000.

Blackburn, Bruce N., to Weinstein, Bernard. Dial face for clock or watch. 4,884,256, 11-28-89, Cl. 368-223.000.

Blackburn, Christopher: *See*—

Van Ewyk, Robert L.; O'Connor, Ingrid M.; Mosley, Alan, Jones, Francis; Blackburn, Christopher; and Griffiths, John, 4,838,659, Cl. 350-337.000.

Blackburn, Gary F., to Cornell Research Foundation, Inc. Suspended gate field effect semiconductor pressure transducer device. 4,812,888, 3-14-89, Cl. 357-26.000.

Blackburn, George L.: *See*—

Babayan, Vigen K.; Blackburn, George L.; and Bistrian, Bruce R., 4,847,296, Cl. 514-552.000.

Bistrian, Bruce R.; Babayan, Vigen K.; and Blackburn, George L., 4,810,726, Cl. 514-552.000.

Bistrian, Bruce R.; Babayan, Vigen K.; Blackburn, George L.; and Mascioli, Edward A., 4,871,768, Cl. 514-547.000.

Mascioli, Edward A.; Blackburn, George L.; Bistrian, Bruce R.; and Babayan, Vigen K., 4,820,731, Cl. 514-549.000.

Blackburn, James H.; and Blackburn, Maureen T. Cover for christmas trees. 4,799,520, 1-24-89, Cl. 150-52.00R.

Blackburn, John B.; and Hamilton, Alexander, to Ciba-Geigy Corporation. Pigment compositions based on acetoacetarylide derivatives. 4,885,033, 12-5-89, Cl. 106-494.000.

Blackburn, Linda B.; and Starke, Edgar A., Jr., to United States of America, National Aeronautics and Space Administration. Aluminum alloy. 4,820,488, 4-11-89, Cl. 420-529.000.

Blackburn, Martin J.; Paulonis, Daniel F.; Caless, Robert H.; and D'Orvilliers, Anne L., to United Technologies Corporation. Heat treatment for improving fatigue properties of superalloy articles. 4,820,356, 4-11-89, Cl. 148-12.70N.

Blackburn, Martin J.: *See*—

Smith, Michael P.; Brown, Edgar E.; and Blackburn, Martin J., 4,842,652, Cl. 148-12.70B.

Blackburn, Maureen T.: *See*—

Blackburn, James H.; and Blackburn, Maureen T., 4,799,520, Cl. 150-52.00R.

Blackburn, Raymond L., to Coils, Inc. Transformer core assembly. 4,827,237, 5-2-89, Cl. 336-212.000.

Blackburn, Stephen N.; Delwel, Francois; and Evans, Elfed H., to Lever Brothers Company. Detergent compositions manufacturing process by spraying anionic/nonionic surfactant mix. 4,826,632, 5-2-89, Cl. 252-550.000.

Blackburn, Theodore J.: *See*—

Chyba, Joseph A.; Kihlmire, William M.; and Blackburn, Theodore J., 4,838,530, Cl. 269-15.000.

Blackburn, William P.: *See*—

Porter, Samuel, Jr.; Simpson, Dennis A.; and Blackburn, William P., 4,849,283, Cl. 428-323.000.

Blacker, Allen P., Jr.; and Garewal, Khem K. S., to Zenith Electronics Corporation. Means and method of forming aligned apertures in electron guns. 4,795,391, 1-3-89, Cl. 445-36.000.

Blackerby, Carol. Ornamental lighting device. 4,866,580, 9-12-89, Cl. 362-205.000.

Blackledge, Brian D.; and Rowe, William M., Jr., to Sunbeam Corporation. PTC compositions containing low molecular weight polymer molecules for reduced annealing. 4,818,439, 4-4-89, Cl. 252-511.000.

Blackler, John: *See*—

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Blacklin, Peter A.; and Bell, Jonathan D., to Tate Acess Floors. Self-gridding flooring system. 4,835,924, 6-6-89, Cl. 52-263.000.

Blackman, Calvin C. Method and apparatus for quickly purging atmosphere gas from bell furnace. 4,867,675, 9-19-89, Cl. 432-5.000.

Blackman, Gordon R., to Whirlpool Corporation. Hose assembly for canister vacuum cleaner. 4,881,909, 11-21-89, Cl. 439-191.000.

Blackman, Seymour N. Re-usable sterile parenteral fluid medication administration kit. 4,813,538, 3-21-89, Cl. 206-210.000.

Blackman, Stephen M., to Federal Paper Board Company, Inc. Vending and reclosure device for powder and granular products. 4,799,594, 1-24-89, Cl. 206-626.000.

Blackman, Stephen M., to Federal Paper Board Company, Inc. Blank carrier and internesting blanks therefor. 4,838,414, 6-13-89, Cl. 206-175.000.

Blackman, Stephen M., to Federal Paper Board Company, Inc. Tube construction for food and beverage tray. 4,850,529, 7-25-89, Cl. 229-904.000.

Blackman, Steven T., to Thomes Pharmacal Co., Inc. Anti-infective methods and compositions. 4,873,265, 10-10-89, Cl. 514-651.000.

Blackman, Steven T., and Ralske, Irene, to Thames Pharmacal Co., Inc. Gel bases for pharmaceutical compositions. 4,883,660, 11-28-89, Cl. 424-78.000.

Blackmon, Howard A., Jr. Apparatus and method for charging brake lines of railway vehicles. 4,838,618, 6-13-89, Cl. 303-66.000.

Blackmon, Kenneth P.; Clagett, Donald C.; Fox, Daniel W.; Maresca, Louis M.; and Shafer, Sheldon J., to General Electric Company. Amide-urea copolymer and process for the preparation thereof. 4,876,317, 10-24-89, Cl. 525-433.000.

Blackmon, Laura M. Multi-use tray with accessories. 4,836,403, 6-6-89, Cl. 220-85.00H.

Blackmon, Laura M. Device for maintaining bedding in place. 4,884,305, 12-5-89, Cl. 5-496.000.

Blackmore, B. Brian, to Boeing Company, The. Fastener removing method. 4,807,349, 2-28-89, Cl. 29-426.500.

Blackmore, Diana C.: *See*—

Butters, Alan; Blackmore, Diana C.; and Page, Darrin J., 4,857,36 Cl. 428-206.000.

Blackston, Susan M.: *See*—

Comroe, Richard A.; Major, John E.; Coombes, Daniel J.; Whitney, Susan M.; Sasuta, Michael D.; Zdunek, Kenneth J.; Pict Gerald E.; Borras, Jaime A.; Scheiderer, Ronald L.; and Blackston, Susan M., 4,817,190, Cl. 455-11.000.

Blackstone, Joshua. Protective eye wear. 4,868,930, 9-26-89, Cl. 2-439.000.

Blackwell, David L.; and Stratton, Paul E., Jr. Muzzle brake device. 4,811,648, 3-14-89, Cl. 89-14.300.

Blackwell, Gordon B.; and Huang, Chin-Teh, to Dentsply Research & Development Corp. Biologically compatible adhesive visible light curable compositions. 4,816,495, 3-28-89, Cl. 522-14.000.

Blackwell, Henry W.; Talley, Clifford L.; and Lacy, Rodger D., to Dresser Industries, Inc. Setting tool for mechanical packer. 4,830,1 5-16-89, Cl. 166-387.000.

Blackwell, Henry W.; Talley, Clifford L.; and Lacy, Rodger D., to Dresser Industries, Inc. Apparatus for installing a liner within a well bore. 4,848,459, 7-18-89, Cl. 166-142.000.

Blackwell, Wayne V.; and Warren, William P., to Union Oil Company of California. Banjo box and blooie line spool. 4,811,799, 3-14-89, Cl. 175-209.000.

Blackwood, Albert J.; and Brady, Thomas R., to Owens-Corning Fiberglas Corporation. Method for making a reinforced product of bituminous material. 4,873,303, 10-10-89, Cl. 427-365.000.

Blad, Thomas; Ellegaard, Mogens; and Jensen, Niels D., to Grundfos International A/S. Assembly for making up untreated water according to the principle of reverse osmosis. 4,842,725, 6-27-89, Cl. 210-137.000.

Blade, Robert J.: *See*—

Black, Malcolm H.; and Blade, Robert J., 4,855,086, Cl. 260-404.000.

Blades, Frederick K.; and Godec, Richard D., to Anatel Corporation. Instrument for measurement of the organic carbon content of water. 4,868,127, 9-19-89, Cl. 436-146.000.

Bladt, Detlev V. Cigarette and matches container. 4,887,711, 12-19-89, Cl. 206-92.000.

Bladyka, Paul J.: *See*—

Sperry, Charles R.; and Bladyka, Paul J., 4,804,110, Cl. 222-56.000.

Blaese, Herbert R. Portable antenna. 4,804,969, 2-14-89, Cl. 343-715.000.

Blaese, Herbert R. Current fed antenna with improved radiator. 4,862,183, 8-29-89, Cl. 343-715.000.

Blaese, Herbert R. Antenna with impedance matching means. 4,875,051, 10-17-89, Cl. 343-715.000.

Blaesing, Horst: *See*—

Mankut, Ludwig; Blaesing, Horst; Kosikowski, Thomas; Meyer, Walter; and Kreisel, Rudolf, 4,828,878, Cl. 427-98.000.

Blaha, Charles: *See*—

Sevier, David C., 4,797,214, Cl. 210-651.000.

Blaha, Gerald, to Artos Engineering Company. Apparatus and method for making terminated wire segments. 4,856,187, 8-15-89, Cl. 29-867.000.

Blaha, James R.: *See*—

Bangs, Edmund R.; Longinow, Nicholas E.; and Blaha, James R., 4,877,940, Cl. 219-124.340.

Blaha, James S.; Elceser, Henry W.; and Vander Burgh, Leonard F., to A. E. Staley Manufacturing Company. Starch slurries with concentrated aqueous alkaline solutions. 4,826,619, 5-2-89, Cl. 252-182.27

Blaha, Luedvik; Rajsner, Miroslav; Helfert, Ivan; and Trcka, Vaclav, to Spofa, spojene podniky pro zdravotnickou. 2-Isopropyl-2-(2-meth phenyl)-5-(N-methyl-N-homoveratrylamino)-valeronitrile and method for producing same. 4,847,403, 7-11-89, Cl. 558-390.000.

Blaha, William E., to Ideal Industries, Inc. Method for making a screw-on electrical connector. 4,803,779, 2-14-89, Cl. 29-878.000.

Blaha, William E., to Ideal Industries, Inc. Push-in wire connector. 4,824,395, 4-25-89, Cl. 439-438.000.

Blahey, Alan G.: *See*—

Habeeb, Jacob J.; Blaney, Alan G.; and Rogers, William N., 4,826,612, Cl. 252-32.70E.

Blaich, Ilga E. Hanger hook. 4,887,785, 12-19-89, Cl. 248-339.000.

Blaimschein, Gottfried, to GFM Gesellschaft fur Fertigungstechnik und Maschinenbau Gesellschaft m.b.H. Method and machine for a balancing centering of workpieces which are to be machined only at certain portions, particularly crankshafts. 4,884,210, 11-28-89, Cl. 364-474.010.

Blaimschein, Gottfried: *See*—

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Blain, David A.: *See*—

Page, Nancy M.; Young, Lewis B.; and Blain, David A., 4,870,038, Cl. 502-62.000.

Blain, Roy W. Three speed valve control for high performance hydraulic elevator. 4,800,990, 1-31-89, Cl. 187-17.000.

Blain, Yves: *See*—

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Blaine, Hal. Nasal exhaler and method. 4,817,626, 4-4-89, Cl. 128-728.000.

Blair, Boyton T., to Engineering & Colloid, Ltd. Well drilling and completion composition. 4,826,611, 5-2-89, Cl. 252-8.510.

Blair, Charles M., Jr.; Stout, Charles A.; and Olsen, Raymond P., to Magna Corporation. Oil recovery method utilizing highly oxyalkylated phenolic resins. 4,814,094, 3-21-89, Cl. 252-8.554.

Blair, David J.; Izzarelli, Kathy L.; Albetski, Eric J.; and Parent, Cyr J., to United Technologies Corporation. Automated visual screening system. 4,869,589, 9-26-89, Cl. 351-243.000.

Blair, James R.; and Riley, Timothy W. Determining of the amount of material delivered each operational cycle of a shovel loader. 4,809,794, 3-7-89, Cl. 177-139.000.

Blair, Jeffrey L.; Decature, Paul S.; and Jackson, Charles L., to Maytag Corporation. Appliance control circuit. 4,866,955, 9-19-89, Cl. 68-12.00R.

Blair, John E.: *See*—

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Blair, Kevin B., to GTE Mobilnet Incorporated. Cellular telephone unit having multiple memory location command language. 4,875,230, 10-17-89, Cl. 379-63.000.

Blair, Richard C.: *See*—

Gladish, Herbert E.; Hallett, Ronald C.; and Blair, Richard C., 4,887,70[illegible], Cl. 198-774.000.

Blair, Robert K.: *See*—

Fuller, William D.; Blair, Robert K.; and Goodman, Murray, 4,829,099, Cl. 523-111.000.

Blair, Samuel: *See*—

Ellgass, Gerard, 4,858,382, Cl. 49-35.000.

Blair, Thomas R.: *See*—

van Swam, Leo F.; Blair, Thomas R.; and Ho, Quang D., 4,879,088, Cl. 376-252.000.

Blair, William D., Jr.; Bentivenga, Salvatore; and Lamont, Gregory J., to Alcatel NA, Inc. Dielectric notch filter. 4,862,122, 8-29-89, Cl. 333-202.000.

Blais, Francois, to Canadian Patents and Development Limited. Galvanometric optical scanning system having a pair of closely located synchronization. 4,800,270, 1-24-89, Cl. 250-235.000.

Blais, Francois, to Canadian Patents and Development Limited. Galvanometric optical scanning system having synchronization photodetectors. 4,800,271, 1-24-89, Cl. 250-235.000.

Blais, Francois, to Canadian Patents and Development Limited/Societe Canadienne des Brevets et d'Exploitation Limitee. Peak detector and imaging system. 4,819,197, 4-4-89, Cl. 364-715.060.

Blais, Louis G.: *See*—

Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charles W., Jr.; Blais, Louis G.; Andersen, Carl E.; and Feeley, J. Terence, 4,830,261, Cl. 228-102.000.

Blaisdell, Ronald G.; and Hough, Harold L., to GTE Products Corporation. Fluorescent lamp having removable jacket. 4,878,159, 10-31-89, Cl. 362-222.000.

Blaise, Jean; and Kappler, Patrick, to Atochem. Heterogeneous copolymer of vinylidene fluoride and chlorotrifluoroethylene process of preparation of the heterogeneous copolymer. 4,851,479, 7-25-89, Cl. 525-276.000.

Blaise, Petrin: *See*—

Mario, Petrin; and Blaise, Petrin, 4,881,347, Cl. 51-5.00R.

Blaison, Serge: *See*—

Gombert, Jean; Quinty, Christian; Gazard, Maryse; and Blaison, Serge, 4,853,258, Cl. 427-169.000.

Blake, Anthony: *See*—

Holzner, Gunter; Kittner, Peter; and Blake, Anthony, 4,880,649, Cl. 426-302.000.

Blake, Barry C.; and Clarke, David J., to Public Health Laboratory Service Board. Apparatus for investigating the condition of a bacteria containing suspension through frequency profile of electrical admittance. 4,876,504, 10-24-89, Cl. 324-204.000.

Blake, Christopher J.: *See*—

Landa, Benzion; Blake, Christopher J.; Housworth, Gerald R.; and Lior, Shai, 4,871,163, Cl. 271-225.000.

Blake-Coleman, Barrie C.; and Clarke, David J., to Public Health Laboratory Service Board. Method for investigating the condition of a bacterial suspension through frequency profile of electrical admittance. 4,810,963, 3-7-89, Cl. 324-204.000.

Blake-Coleman, Barry; and Clarke, David, to Public Health Laboratory Service Board. Apparatus for measuring fluid density. 4,796,468, 1-10-89, Cl. 73-32.00A.

Blake-Coleman, Barry C.; and Clarke, David J., to Public Health Laboratory Service Board. Determining amount of biological material. 4,848,139, 7-18-89, Cl. 73-61.00R.

Blake, Fred S.: *See*—

Wakamiya, Stanley K.; Blake, Fred S.; and Kurtz, John O., 4,833,776, Cl. 29-837.000.

Blake, Geoffrey: *See*—

Stikeleather, Allan; and Blake, Geoffrey, 4,880,387, Cl. 439-98.000.

Blake, Gregory L. Bag loader and bag for beverage cans. 4,877,068, 10-31-89, Cl. 141-390.000.

Blake-Haskins, John C.: *See*—

Simion, Frederick A.; Rhein, Linda D.; Blake-Haskins, John C.; Babulak, Stephen W.; and Cantore, Robert V., 4,828,750, Cl. 252-142.000.

Blake, James N.: *See*—

Kim, Byoung Y.; Shaw, Herbert J.; Engan, Helege E.; and Blake, James N., 4,832,437, Cl. 350-96.150.

Blake, Jeffrey T., to Emhart Industries, Inc. System for providing a liquid to a blind rivet setting mechanism. 4,836,003, 6-6-89, Cl. 72-44.000.

Blake, Joseph W.; and Di Cesare, Paul C., to Blake, Joseph W., III; and Kaufman, Jack W. Surgical staple remover. 4,805,876, 2-21-89, Cl. 254-28.000.

Blake, Joseph W., III; and Kaufman, Jack W. Tubular medical device and method of making and using the same. 4,863,424, 9-5-89, Cl. 604-54.000.

Blake, Joseph W., III: *See*—

Blake, Joseph W.; and Di Cesare, Paul C., 4,805,876, Cl. 254-28.000.

Blake, Larry D., to Carbon Fiber Products, Inc. Folding golf cart. 4,869,526, 9-26-89, Cl. 280-645.000.

Blake, Milan S., to Immunogon Associates. Diagnostic method for gonorrhea by assay of IgA1 fragments. 4,795,702, 1-3-89, Cl. 435-7.000.

Blake, Paul. Desk with removable program playing device. 4,870,630, 9-26-89, Cl. 369-12.000.

Blake, Peter J. Flexible, extruded, protective rim. 4,880,130, 11-14-89, Cl. 220-85.00K.

Blake, Ralph S.: *See*—

Ward, Bennett C.; Alvarez, Edwardo; and Blake, Ralph S., 4,814,530, Cl. 528-342.000.

Ward, Bennett C.; Alvarez, Edwardo; and Blake, Ralph S., 4,861,537, Cl. 264-126.000.

Blake, Rodger D.: *See*—

Sheinberg, Haskell; Meek, Thomas T.; and Blake, Rodger D., 4,857,266, Cl. 419-22.000.

Blake, Scott L.; Carthew, Millie A.; and Collins, Christopher G., to Collins, Christopher G. Pool vacuum filter bag. 4,880,531, 11-14-89, Cl. 210-169.000.

Blake, Thomas B.; and Kurtti, Gary R., to General Motors Corporation. Retractor with electro-rheological lock. 4,815,674, 3-28-89, Cl. 242-107.40R.

Blake, William S. Aerosol valve. 4,887,743, 12-19-89, Cl. 222-402.100.

Blake, William W.; Golan, Kenneth F.; Coutant, Alan R.; and Morris, Hugh C., to Caterpillar Inc. Modulating inching valve with automatic pressure control. 4,865,176, 9-12-89, Cl. 192-3.630.

Blakely, Calvin R.: *See*—

Vestal, Marvin L.; Blakely, Calvin R.; and Fergusson, Gordon J., 4,814,612, Cl. 250-288.000.

Blakely, Dale M., to Eastman Kodak Company. Impact toughened polyester nylon blends. 4,812,534, 3-14-89, Cl. 525-425.000.

Blakely-Fogel, Debora A.; Chalemin, Glen E.; Cummings, Stephen P.; and Jones, Carolyn K., to International Business Machines Corporation. System and method for network configuration. 4,864,492, 9-5-89, Cl. 364-200.000.

Blakely, J. Ward, to Ward Engineering, Inc. Swivel joint for electrical conduit. 4,856,825, 8-15-89, Cl. 285-175.000.

Blakely, Lawrence A.; Boyer, Rodney R.; and Dalzell, Lawrence B., to Boeing Company, The. Lightweight high performance titanium sliding contact bearing. 4,848,934, 7-18-89, Cl. 384-206.000.

Blakely, Roy D., to Northern Telecom Limited. In-line filtering device for a telecommunications line. 4,827,228, 5-2-89, Cl. 333-167.000.

Blakeman, Jack E.: *See*—

Hood, Richard D., Jr.; Cleminshaw, John D.; and Blakeman, Jack E., 4,870,988, Cl. 137-343.000.

Blakeman, Walter W. Cyclist aid for leg amputees. 4,867,441, 9-19-89, Cl. 272-73.000.

Blakemore, John. Lever action wheelchair. 4,858,483, 8-22-89, Cl. 74-143.000.

Blakemore, John H. Infinitely variable positive mechanical transmissions. 4,873,893, 10-17-89, Cl. 74-752.00B.

Blakeney, Andrew J.; Jeffries, Alfred T., III; and Sarubbi, Thomas R., to Olin Hunt Specialty Products, Inc. Thermally stable light-sensitive compositions with o-quinone diazide and phenolic resin. 4,837,121, 6-6-89, Cl. 430-192.000.

Blaker, James L.: *See—*

McPherson, Walter K., and Blaker, James L., 4,873,867, Cl. 73-493.000.

Blakeslee, Thomas R., to Orion Instruments, Inc. Phase detection system. 4,884,020, 11-28-89, Cl. 324-83.00D.

Blakesley, Robert W.: *See—*

Flesher, Robert W.; Berninger, Mark S.; and Blakesley, Robert W., 4,889,610, Cl. 204-299.00R.

Blakewood Business Forms, Inc.: *See—*

Blakewood, James C., 4,854,609, Cl. 281-2.000.

Blakewood, James C., to Blakewood Business Forms, Inc. Business form feeding leader system. 4,854,609, 8-8-89, Cl. 281-2.000.

Blakley, Brent A.: *See—*

Dammann, Laurence G.; Blakley, Brent A.; and Carlson, Gary M., 4,855,383, Cl. 528-51.000.

Blakley, Calvin R.: *See—*

Vestal, Marvin L.; Blakley, Calvin R.; and Fergusson, Gordon J., 4,861,989, Cl. 250-288.000.

Blakley, Robert A.: *See—*

Salzman, Ronald N.; Blakley, Robert A.; Schutte, Marlin D.; and McDermott, Keith T., 4,834,932, Cl. 264-255.000.

Blalock, J. Edwin; Smith, Eric M.; and Bost, Kenneth L., to Board of Regents, The University of Texas System. Polypeptide complementary to peptides or proteins having an amino acid sequence or nucleotide coding sequence at least partially known. 4,863,857, 9-5-89, Cl. 435-68.000.

Blalock, Travis N.: *See—*

Companion, John A.; Heyman, Joseph S.; Mineo, Beth A.; Cavalier, Albert R.; and Blalock, Travis N., 4,852,578, Cl. 128-661.030.

Blanc, Alain; Hamedi-Sangsari, Farid; and Chastrette, Francine J., to Societe Francaise Hoechst. Process for the preparation of glyoxal monoacetals. 4,835,320, 5-30-89, Cl. 568-465.000.

Blanc, Alain; Jeanniot, Patrick; and Spalmacin-Roma, Sylvie, to International Business Machines Corp. Multi-signal processor synchronized system. 4,845,752, 7-4-89, Cl. 381-31.000.

Blanc, Alain: *See—*

Wilhelm, Didier; Gelabert, Antonio; and Blanc, Alain, 4,854,934, Cl. 8-185.000.

Blanc, Andre L.: *See—*

Bec, Andre; Martin, Jean-Pierre R.; and Blanc, Andre L., 4,826,359, Cl. 405-271.000.

Blanc, Denise: *See—*

Meunier, Jean-Paul, deceased; Matzen, Guy; Blanc, Denise; and Montarone, Maryse, 4,867,779, Cl. 71-62.000.

Blanc, F[illegible] and Bonnejean, Claude, to Commissariat a l'Energie Atomique. Optical fibre monitoring device using a synchronization selector to channel optical signals. 4,797,547, 1-10-89, Cl. 250-221.000.

Blanc, Michael: *See—*

Pekar, Gary W.; Mason, Jack W.; and Blanc, Michael, 4,876,800, Cl. 33-784.000.

Blanc, Philippe, to Societe Montalbanaise de Constructions Mecaniques. Apparatus for filling boxes with objects notably fruits, floating in water. 4,807,422, 2-28-89, Cl. 53-248.000.

Blanc, Philippe, to Societe Montalbanaise de Constructions/-Mecaniques. Device for transfer of fragile objects from a conveyor to a transporter. 4,836,355, 6-6-89, Cl. 198-418.600.

Blanc, Serge: *See—*

Van Asbroeck, Roger; and Blanc, Serge, 4,829,110, Cl. 524-81.000.

Blanc, Walter, to Blanco GmbH & Co. KG. Garbage collection device for a sink unit, in particular, a built-in sink unit. 4,847,927, 7-18-89, Cl. 4-629.000.

Blancato, Arthur J.; and Kobylarz, Edward G. Method and apparatus to prevent clogging of sewer lines. 4,823,416, 4-25-89, Cl. 4-255.000.

Blancato, Vito L. Method for displaying hairstyles. 4,823,285, 4-18-89, Cl. 364-521.000.

Blanch, G. Marsden, to American Medical Products, Inc. Electrosurgical knife. 4,876,110, 10-24-89, Cl. 427-2.000.

Blanch, John F.; Garritano, Ronald F.; Richards, William D.; and Golba, Joseph C., Jr., to Rheometrics, Inc. On-line rheological measurements. 4,817,416, 4-4-89, Cl. 73-55.000.

Blanchard, Andrew J.: *See—*

Jean, Buford R.; Newton, Richard W.; Blanchard, Andrew J.; Clark, Billy V.; and Warren, Gary L., 4,847,623, Cl. 342-124.000.

Blanchard, Christian: *See—*

Belbel, Elie; Blanchard, Christian; Haury, Andre; and Lauraire, Michel, 4,816,792, Cl. 335-14.000.

Blanchard, Clark E. Automatic closed loop scaling and drift correcting system and method. 4,812,713, 3-14-89, Cl. 315-370.000.

Blanchard, Clark E. Automatic closed loop scaling and drift correcting system and method particularly for aircraft head up displays. 4,847,603, 7-11-89, Cl. 340-705.000.

Blanchard, Hubert J.; and Fruge, Cornelius J., to Lamb, William C. Brushless electrical machine for use as motor or generator. 4,866,321, 9-12-89, Cl. 310-112.000.

Blanchard, JoAnn. Adjustable disposable panty. 4,883,481, 11-28-89, Cl. 604-385.100.

Blanchard, Michael K.: *See—*

Matelan, M. Nicholas; Leete, Thomas G.; Zsohar, Leslie; Blanchard, Michael K.; Naeini, Abdolreza; Hsu, Jacob; and Smith, Dennis K., 4,870,704, Cl. 364-200.000.

Blanchard, Pierre. Collapsible vehicle. 4,844,494, 7-4-89, Cl. 280-278.000.

Blanchard, Pierre: *See—*

Cazaux, Yvon; Thenoz, Yves; Herault, Didier; and Blanchard, Pierre, 4,873,562, Cl. 357-24.000.

Cazaux, Yvon; Herault, Didier; Thenoz, Yves; and Blanchard, Pierre, 4,878,103, Cl. 357-24.000.

Blanchard, Rene: *See—*

Blasquez Gonzales, Ignacio; Blanchard, Rene; Letemps, Bernard; Mathivat, Denis; and Boutier, Philippe, 4,838,920, Cl. 65-104.000.

Blanchard, Richard A.; and Cogan, Adrian, to Siliconix Incorporated. Method for manufacturing a power MOS transistor. 4,798,810, 1-17-89, Cl. 437-29.000.

Blanchard, Richard A.; and Cogan, Adrian I., to Siliconix Incorporated. Method and apparatus for increasing breakdown of a planar junction. 4,799,100, 1-17-89, Cl. 357-52.000.

Blanchard, Richard A.; and Cogan, Adrian, to Siliconix Incorporated. Power MOS transistor with equipotential ring. 4,816,882, 3-28-89, Cl. 357-23.400.

Blanchard, Richard A., to Siliconix incorporated. Method for obtaining regions of dielectrically isolated single crystal silicon. 4,824,79 4-25-89, Cl. 437-62.000.

Blanchard, Richard A., to Siliconix incorporated. Implantation of ion into an insulating layer to increase planar pn junction breakdown voltage. 4,827,324, 5-2-89, Cl. 357-52.000.

Blanchard, Richard A., to Siliconix Incorporated. Method for providing dielectrically isolated circuit. 4,851,366, 7-25-89, Cl. 437-61.000.

Blanchard, Richard A., to Siliconix incorporated. Doped SiO_2 resistor and method of forming same. 4,868,537, 9-19-89, Cl. 338-308.000.

Blanchard, Richard A.: *See—*

Cogan, Adrian I.; and Blanchard, Richard A., 4,835,586, C 357-23.140.

Cogan, Adrian I.; and Blanchard, Richard A., 4,845,051, C 437-203.000.

Blanchard, Russel O.: *See—*

Disbrow, Richard A.; and Blanchard, Russel O., 4,811,945, C 272-73.000.

Blanchard, Russell O., to Batts, Inc. Article hanger clip. 4,807,3 2-28-89, Cl. 24-487.000.

Blanchard, Russell O.; and Hansen, James G., to Batts, Inc. Display hanger with finger clamps. 4,871,097, 10-3-89, Cl. 223-85.000.

Blanchard, Russell O., to Batts, Inc. Information display means for garment hanger hooks. 4,881,836, 11-21-89, Cl. 40-322.000.

Blanchard, Russell O., to Batts, Inc. Hanger with snap-on adjustable clips. 4,884,727, 12-5-89, Cl. 223-93.000.

Blanchard, Russell O., to Batts, Inc. Size identification system for nesting hangers. 4,886,195, 12-12-89, Cl. 223-85.000.

Blanchard, Russell O.: *See—*

Bredeweg, Robert A.; and Blanchard, Russell O., 4,871,298, C 223-85.000.

Duester, Everett; and Blanchard, Russell O., 4,826,056, C 223-96.000.

Blanchard, William C.; and Bacon, Allan T., to Allied-Signal Inc. Ion mobility spectrometer. 4,797,554, 1-10-89, Cl. 250-287.000.

Blanchard, William C., to Allied-Signal Inc. Electric field control in ion mobility spectrometry. 4,855,595, 8-8-89, Cl. 250-287.000.

Blanchard, Yves; and Talbot, Lionel, to Bombardier Inc. Snowmobile ski suspension strut. 4,826,185, 5-2-89, Cl. 280-21.100.

Blanche, Andre, to Societe Anonyme Financiere, Industrielle et Commerciale d'Equipements Automobiles et Aeronautiques-FICEA. System for mounting different types of bulb on the reflector of a lamp. 4,890,202, 12-26-89, Cl. 362-61.000.

Blanche, M. Sterling: *See—*

Bowen, John M.; Sullivan, Patrick J.; Blanche, M. Sterling; Emmaton, Michael; and Noe, Lewis J., 4,802,761, Cl. 356-301.000.

Blanchet-Fincher, Graciela B.; Fincher, Curtis R., Jr.; Cheung, Lawrence K.; Dessauer, Rolf; and Looney, Catharine E., to Du Pont de Nemours, E. I., and Company. Photohardenable electrostatic master having improved backtransfer and charge decay. 4,818,660, 4-4 Cl. 430-281.000.

Blanchet-Fincher, Graciela B.; and Fincher, Curtis R., Jr., to Du Pont de Nemours, E. I., and Company. Photohardenable electrostatic master containing electron acceptor or donor. 4,849,314, 7-18-89, C 430-49.000.

Blanchet-Fincher, Graciela B.; Benack, Kerin S.; and Taggi, Arthur J., to Du Pont de Nemours, E. I., and Company. Method and apparatus for high resolution liquid toner electrostatic transfer. 4,860,7 7-18-89, Cl. 355-274.000.

Blanchet, Pierre A. Apparatus for the display of illuminated translucent documents. 4,811,507, 3-14-89, Cl. 40-546.000.

Blanchet, Robert; Choujaa, Abdelkrim; Chave, Jacques; and Vitorovitch, Pierre, to Etablissement Public a Caractere Scientifique Process for surface passivation of an indium phosphide substrate and product obtained. 4,865,656, 9-12-89, Cl. 148-33.300.

Blanchot, Michele; Dutertre-Laduree, Daniel; and Roos, Rein, to Professional General Electronic Products. High-tension generator circuit with very low current consumption. 4,855,889, 8-8-89, Cl. 363-19.000.

Blanco GmbH & Co. KG: *See—*

Blanc, Walter, 4,847,927, Cl. 4-629.000.

Blanco, Louis A.: *See—*

Schneider, Marvin; Blanco, Louis A.; and Milo, Salvatore A., 4,800,247, Cl. 219-10.55E.

Blancou, Hubert: *See—*

Benefice-Malouet, Sylvie; Blancou, Hubert; Calas, Patrick; and Commeyras, Auguste, 4,830,715, Cl. 204-59.00R.

Bland, Gerald F.; and Freitag, Michael W., to Outboard Marine Corporation. Marine propulsion device with two piece propeller shaft assembly including spring clip for releasably preventing relative movement between propeller shaft pieces. 4,863,406, 9-5-89, C 440-83.000.

Bland, Gerald F.: *See—*

Higby, Jeffery P.; McElroy, Kennedy K., Jr.; Ferguson, Arthur R.; Bland, Gerald F.; Freitag, Michael W.; and Sullivan, Donald K., 4,850,910, Cl. 440-75.000.

Bland, Joseph B. Engine with pressurized valved cell. 4,817,388, 4-4-89, Cl. 60-721.000.

Bland, Linden; and Anderson, Clifford J., to Murphy Oil Company Limited. Oil well downhole liquid injection assembly. 4,880,062, 11-14-89, Cl. 166-371.000.

Bland, Robert T.; and Stigvils, Al. Intrusion alarm and automatic illumination system. 4,796,010, 1-3-89, Cl. 340-541.000.

Bland, Verle V.: *See—*

Glover, Robert L.; and Bland, Verle V., 4,809,537, Cl. 73-29.000.

Bland, William N., Jr.: *See—*

Thomas, Charles A.; and Bland, William N., Jr., 4,796,972, Cl. 350-99.000.

Blanda, Guy, to Sanofi. Process and apparatus for turning head to foot and packing dissymmetrical oblong bodies. 4,799,351, 1-24-89, Cl. 53-446.000.

Blandin, Jean-Claude, to S.A. Raccords et Plastiques Nicoll. Pipe system for central suction cleaning installation. 4,854,887, 8-8-89, Cl. 439-194.000.

Blanding, Douglass L.; and Morganti, Terry N., to Eastman Kodak Company. Web tracking apparatus. 4,795,070, 1-3-89, Cl. 226-15.000.

Blandino, Thomas P.: *See—*

Monson, Mark B.; Blandino, Thomas P.; Bahr, Dennis E.; and Post, Kendall E., 4,875,019, Cl. 330-302.000.

Blaner, Bartholomew, to International Business Machines Corp. Packet switch network protocol. 4,862,461, 8-29-89, Cl. 371-33.000.

Blaney, Ted L.; Freeland, Mary E.; and Martin, Alvin D., Jr., to Procter & Gamble Company, The. Absorbent article having cantilevered cuff members. 4,795,452, 1-3-89, Cl. 604-385.100.

Blaney, Ted L.: *See—*

Aziz, Mohammed I.; and Blaney, Ted L., 4,808,178, Cl. 604-385.200.

Blanford, Denis M., to NCR Corporation. Method for changing the functions of a bar code reader. 4,868,375, 9-19-89, Cl. 235-462.000.

Blank, Eric; and Endelson, Robert A. Dispenser for dental floss. 4,881,560, 11-21-89, Cl. 132-324.000.

Blank, George: *See—*

Levy, Raymond H., 4,858,605, Cl. 128-203. 10.

Blank, Heinz U.; and Silber, Gunter, to Bayer Aktiengesellschaft. Process for the preparation of optionally substituted 2-benzyl-toluenes. 4,814,483, 3-21-89, Cl. 558-411.000.

Blank, Heinz U.; and Wolters, Erich, to Bayer Aktiengesellschaft. Process for preparing acid halides. 4,863,642, 9-5-89, Cl. 562-848.000.

Blank, Heinz U.; and Ritzer, Edwin, to Bayer Aktiengesellschaft. Process for obtaining substituted fluorobenzenes. 4,868,347, 9-19-89, Cl. 568-937.000.

Blank, Heinz U.; Langenfeld, Norbert; and Heydkamp, Wolfgang, to Bayer Aktiengesellschaft. Acid halides, a process for their preparation. 4,880,576, 11-14-89, Cl. 562-828.000.

Blank, Heinz U.: *See—*

Behre, Horst; Blank, Heinz U.; Marzolph, Gerhard; and Streicher, Willi, 4,873,026, Cl. 562-72.000.

Hammerschmidt, Erich; and Blank, Heinz U., 4,795,596, Cl. 260-508.000.

Hammerschmidt, Erich; and Blank, Heinz U., 4,874,892, Cl. 562-409.000.

Streicher, Willi; Marzolph, Gerhard; Behre, Horst; and Blank, Heinz U., 4,836,959, Cl. 260-508.000.

Blank, Heinz-Ulrich: *See—*

Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; Bottenbruch, Ludwig; Kleiner, Frank; and Blank, Heinz-Ulrich, 4,835,243, Cl. 528-176.000.

Blank, Itzhak, to Haifa Chemicals Limited. Method for the manufacture of slow-release fertilizers. 4,880,455, 11-14-89, Cl. 71-28.000.

Blank, Kurt; Halberschmidt, Friedrich; Reinmold, Heinz-Josef; Audi, Josef; Kaesmacher, Jakob; Reinicke, Ralf; and Niedenhoff, Udo, to Saint Gobain Vitrage. Method for the transportation of glass sheets brought to the deformation temperature, its application to bending and device for its implementation. 4,853,019, 8-1-89, Cl. 65-106.000.

Blank, Lynne B.; Gettings, Richard L.; and White, William C., to Dow Corning Corporation. Method of treating tinea pedis and related dermatophytic infections. 4,865,844, 9-12-89, Cl. 424-409.000.

Blank, Lynne M. B., to Dow Corning Corporation. Synergistic antimicrobial composition. 4,847,088, 7-11-89, Cl. 424-404.000.

Blank, Norman E.: *See—*

Vu, Cung; Buxbaum, Susan P.; Blank, Norman E.; and Hartwig, Richard C., 4,855,185, Cl. 428-423.100.

Blank, Paul C. Tire bead breaking tool. 4,850,413, 7-25-89, Cl. 157-1.170.

Blank, Robert G.: *See—*

Ho, Ying T. R.; and Blank, Robert G., 4,835,188, Cl. 514-570.000.

Blank, Werner J., to King Industries, Inc. Certain hydroxyalkyl carbamates, polymers and uses thereof. 4,820,830, 4-11-89, Cl. 560-158.000.

Blank, Wesley D.: *See—*

Boone, James E.; Owens, David W.; Farritor, Robert E.; and Blank, Wesley D., 4,806,317, Cl. 422-145.000.

Blanke, John D. Method of locating a partially plugged port fuel injector using misfire monitor. 4,841,765, 6-27-89, Cl. 73-119.00A.

Blanke, Richard H., Jr. Cushioned bag. 4,874,094, 10-17-89, Cl. 206-522.000.

Blankemeyer, Robert L.; and Blankeyemer, James C., to Metokote Corporation. Transportable coating apparatus. 4,872,419, 10-10-89, Cl. 118-713.000.

Blanken, Pieter G.; and De Boer, Jan R., to U.S. Philips Corporation. Quiescent current setting for an amplifier circuit. 4,868,518, 9-19-89, Cl. 330-264.000.

Blanken, Pieter G., to U.S. Philips Corporation. Integratable amplifier circuit having frequency responsive negative feedback. 4,872,209, 10-3-89, Cl. 330-294.000.

Blankenhagen, Fred; and Putz, Hermann, to Enfo Grundlagenforschungs AG. Method and device for producing a friction or rubbing element. 4,883,638, 11-28-89, Cl. 419-9.000.

Blankenship, David J., to Peerless Chain Company. Merchandise hanger assembly. 4,801,116, 1-31-89, Cl. 248-220.400.

Blankenship, David J.; George, Richard A.; and Czaplewski, Steven E., to Peerless Chain Company. Traction cable. 4,825,923, 5-2-89, Cl. 152-213.00A.

Blankenship, Ernest B., to Research Products/Blankenship Corporation. Incinerator toilet with humpback catalyst container. 4,823,408, 4-25-89, Cl. 4-111.500.

Blankenship, Gene E.; Gonsalves, Edward M.; Kawate, Keith W.; Sacarisen, Stephen P.; Giolma, William H.; and Spanjol, Damir A., to Texas Instruments Incorporated. CMOS/bipolar integrated circuit. 4,827,242, 5-2-89, Cl. 340-450.000.

Blankenship, Harold R.: *See—*

Blankenship, Timothy R.; and Blankenship, Harold R., 4,848,760, Cl. 269-62.000.

Blankenship, James E., to Carolina Masters, Inc. Door jamb reinforcement plate. 4,858,384, 8-22-89, Cl. 49-460.000.

Blankenship, Larry K.: *See—*

Kreinick, Stephen J.; and Blankenship, Larry K., 4,834,104, Cl. 128-633.000.

Blankenship, Larry T.: *See—*

White, Warren D.; Puckett, Paul M.; Blankenship, Larry T.; and White, Mary N., 4,824,500, Cl. 156-94.000.

Blankenship, Robert J.; and Hamblin, Robert J. Disposable liquid fuel burner. 4,850,858, 7-25-89, Cl. 431-320.000.

Blankenship, Timothy R.; and Blankenship, Harold R. Tire tube clamping apparatus. 4,848,760, 7-18-89, Cl. 269-62.000.

Blankeyemer, James C.: *See—*

Blankemeyer, Robert L.; and Blankeyemer, James C., 4,872,419, Cl. 118-713.000.

Blankley, C. John; Hodges, John C.; Kiely, John S.; and Klutchko, Sylvester R., to Warner-Lambert Company. 4,5,6,7-tetrahydro-1H-imidazo[4,5-c]pyridine-6-carboxylic acid analogs having antihypertensive activity. 4,812,462, 3-14-89, Cl. 514-303.000.

Blankley, C. John; Hodges, John C.; Kiely, John S.; and Klutchko, Sylvester R., to Warner-Lambert Company. Substituted diimidazo [1,5-a: 4',5'-d]pyridines having antihypertensive activity. 4,816,463, 3-28-89, Cl. 514-293.000.

Blanpain, Peter R. J.: *See—*

Dequatre, Claude; Blanpain, Peter R. J.; and Longuet, Michel, 4,855,337, Cl. 523-201.000.

Blanpain, Roland; Le Masson, Patrick; and Vidal, Jean-Charles, to Commissariat a l'Energie Atomique. Magnetic process for determining a trajectory for finding a magnetic object and apparatus for performing the process. 4,885,536, 12-5-89, Cl. 324-207.000.

Blanscet, Roy G. Surge eliminator. 4,846,228, 7-11-89, Cl. 138-26.000.

Blanton, Albert G., to Avco Corporation. Deburring apparatus. 4,835,913, 6-6-89, Cl. 51-336.000.

Blanton, John C.; and Furman, Anthony H., to General Electric Company. Method and apparatus for feeding an extrudable fuel to a pressurized combustion chamber. 4,803,836, 2-14-89, Cl. 60-39.464.

Blanton, Keith A.; and Tumblin, John E., to Daleco/Ivex Partners, Ltd. Method and apparatus for sampling images to simulate movement within a multidimensional space. 4,807,158, 2-21-89, Cl. 364-521.000.

Blanton, Keith A.; Finlay, William M.; Sinclair, Michael J.; and Tumblin, John E., to Ivex Corporation. Method of selectively retrieving video images from a video reproducer for simulating movement. 4,873,585, 10-10-89, Cl. 358-335.000.

Blanton, LeRoy, to VHL Associates, Inc. Auto calibration circuit for VLSI tester. 4,827,437, 5-2-89, Cl. 364-571.010.

Blanton, Russell W.: *See—*

Stearns, Thornton; and Blanton, Russell W., 4,878,354, Cl. 62-63.000.

Blanyer, Richard J.; and Mathews, Charles L. Battery grid structure made of composite wire. 4,865,933, 9-12-89, Cl. 429-241.000.

Blard, Michel: *See—*

Focqueur, Herve; Jumel, Bernard; and Blard, Michel, 4,828,533, Cl. 464-24.000.

Blasbalg, Morton L. Bird feeder. 4,829,934, 5-16-89, Cl. 119-52.00R.

Blasberger, Dina: *See—*

Kashman, Yoel; Spector, Ilan; Carmely, Shmuel; and Blasberger, Dina, 4,857,538, Cl. 514-369.000.

Blaschek, Otto, to Arnold & Richter Cine Technik GmbH & Co. Betriebs KG. Interchangeable lens for movie camera with a sound dampening system. 4,816,857, 3-28-89, Cl. 354-286.000.

Blaschek, Otto; and Wallner, Kurt, to Arnold & Richter Cine Technik GmbH & Co. Betriebs KG. Tipping device for a movie-camera-supporting cradle. 4,826,116, 5-2-89, Cl. 248-185.000.

Blaschim S.p.A.: *See—*

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Magni, Ambrogio; Piccolo, Oreste; and Ascheri, Antonio, 4,834,919, Cl. 260-397.100.

Magni, Ambrogio; and Visentin, Giuseppina, 4,868,338, Cl. 568-319.000.

Blaschke, Gottfried; Fraenkel, Werner; Broker, Werner; and Kinkel, Joachim, to Merck Patent Gesellschaft Mit Beschranater Haftung. Optically active adsorbents. 4,882,048, 11-21-89, Cl. 210-198.200.

- Blaschke, Keith E.; and Mueller, James W., to Halliburton Company. In-situ linear flow proppant conductivity test cell. 4,848,145, 7-18-89, Cl. 73-153.000.
- Blasciak, Andrew J., to Hewlett-Packard Company. Software performance analyzer. 4,845,615, 7-4-89, Cl. 364-200.000.
- Blase, Gunther C. Energy supply chain. 4,813,224, 3-21-89, Cl. 59-78.100.
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., to Bissell Inc. Liquid extraction surface cleaning apparatus. 4,800,613, 1-31-89, Cl. 15-321.000.
- Blase, Michael R.; Goodrich, Gordon W.; and Rosendall, Henry J., to Bissell Inc. Liquid extraction surface cleaning apparatus. 4,827,562, 5-9-89, Cl. 15-353.000.
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., to Bissell, Inc. Liquid extraction surface cleaning apparatus. 4,847,943, 7-18-89, Cl. 15-352.000.
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., to Bissell, Inc. Fluid flow control valve. 4,854,544, 8-8-89, Cl. 251-245.000.
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., to Bissell, Inc. Liquid extraction surface cleaning apparatus. 4,864,680, 9-12-89, Cl. 15-321.000.
- Blase, Richard A. Firearm cleaning device and method. 4,843,750, 7-4-89, Cl. 42-95.000.
- Blaser, Don E.: *See*—
  - Allan, David E.; and Blaser, Don E., 4,816,136, Cl. 208-127.000.
- Blaser, Dwight A.: *See*—
  - Bandyopadhyay, Pulak; Blaser, Dwight A.; Kaminski, Brian D.; and Lee, Yong H., 4,845,763, Cl. 382-8.000.
- Blaser, Giles R., to Amplas, Inc. Web notching control apparatus. 4,820,251, 4-11-89, Cl. 493-1.000.
- Blaser Industries, Incorporated: *See*—
  - Aharon, Oren, 4,803,498, Cl. 346-108.000.
- Blaser, Laura J.: *See*—
  - Crucil, Guy A.; and Blaser, Laura J., 4,797,224, Cl. 252-181.000.
  - Crucil, Guy A.; and Blaser, Laura J., 4,820,423, Cl. 210-697.000.
- Blaser, Peter T.: *See*—
  - Rodi, Anton; and Blaser, Peter T., 4,884,774, Cl. 248-56.000.
  - Stammer, Walter; Grutzmacher, Bertold; and Blaser, Peter T., 4,847,555, Cl. 324-161.000.
- Blaser, Theobald: *See*—
  - Spiegel, Nikolaus; Krestyn, Karlheinz; and Blaser, Theobald, 4,879,513, Cl. 324-207.000.
- Blaser, Theodor: *See*—
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- Blasius, Rainer: *See*—
  - Tasto, Manfred; Ranner, Georg; Blasius, Rainer; and Behr, Christian, 4,817,117, Cl. 375-111.000.
- Blasius, William G., Jr.; and Zygmont, Joseph F., Jr., to Chesebrough-Pond's Inc. Oral hygiene swab. 4,795,421, 1-3-89, Cl. 604-1.000.
- Blasko, Raymond J., to General Motors Corporation. Panel mounted breakout fitting. 4,888,453, 12-19-89, Cl. 174-135.000.
- Blasnik, William: *See*—
  - Pollak, Stanley B.; and Blasnik, William, 4,813,416, Cl. 128-335.000.
- Blasquez-Gonzales, Ignacio; Blanchard, Rene; Letemps, Bernard; Mathivat, Denis; and Boutier, Philippe, to Saint-Gobain Vitrage. Method of and apparatus for positioning of sheets of glass for curving same. 4,838,920, 6-13-89, Cl. 65-104.000.
- Blass, Judd, deceased: *See*—
  - Yatsiv, Shaul; Gabay, Amnon; Brestel, Mordechai; and Blass, Judd, deceased, 4,847,852, Cl. 372-82.000.
- Blass, Karl G. Gastrointestinal module: a nonsurgical implant. 4,878,905, 11-7-89, Cl. 604-891.100.
- Blass, Lorell, legal representative: *See*—
  - Yatsiv, Shaul; Gabay, Amnon; Brestel, Mordechai; and Blass, Judd, deceased, 4,847,852, Cl. 372-82.000.
- Blasse, George: *See*—
  - Lammers, Marinus J.; Blasse, George; Terrell, David R.; and Alaerts, Leo B., 4,822,696, Cl. 428-690.000.
- Blatchley, Charles C.; Sioshansi, Piran; Leyse, Robert H.; and Scheibel, John R., to Electric Power Research Institute, Inc. Apparatus and method for measuring bulk density using positron scattering and annihilation. 4,835,390, 5-30-89, Cl. 250-356.100.
- Blatin, Vladimir, to Xerox Corporation. Algorithm for filling an image outline. 4,815,009, 3-21-89, Cl. 364-518.000.
- Blatt, Brian L. Automobile trunk table. 4,887,526, 12-19-89, Cl. 108-44.000.
- Blatt, Eli. Method and apparatus for manufacturing plastic film bag with special flap arrangement. 4,881,932, 11-21-89, Cl. 493-213.000.
- Blatt, John A. High-pressure resistant piston seal. 4,809,991, 3-7-89, Cl. 277-58.000.
- Blatt, John A. Vacuum cup control system. 4,828,306, 5-9-89, Cl. 294-64.200.
- Blatter, Andreas: *See*—
  - Von Allmen, Martin; and Blatter, Andreas, 4,797,166, Cl. 148-13.100.
- Blattler, Ernst, to KWC AG. Electrically controlled plumbing fixture of a hot and cold water dispenser. 4,873,830, 10-17-89, Cl. 62-3.300.
- Blattler, Walter A.: *See*—
  - Lambert, John M.; Blattler, Walter A.; and Senter, Peter D., 4,888,415, Cl. 530-390.000.
- Blattner, Rudolf: *See*—
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- Blatz, Glenroy G.: *See*—
  - Klaeser, Richard; and Blatz, Glenroy G., 4,838,982, C 156-520.000.
- Blau, Andrew P.; and Masso, Joseph A., to Caterpillar Industrial In Hitch assembly and method. 4,807,714, 2-28-89, Cl. 180-168.00
- Blau, David A., to Hewlett-Packard Company. Electron-emiss filament cutoff for gas chromatography + mass spectrometry sys tems. 4,808,820, 2-28-89, Cl. 250-281.000.
- Blaufox, M. Donald: *See*—
  - Bhargava, Kuldeep K.; Chervu, Lakshman R.; and Blaufox, M. Donald, 4,883,650, Cl. 424-1.100.
  - Chervu, Lakshman R.; Bhargava, Kuldeep K.; and Blaufox, M. Donald, 4,883,862, Cl. 530-331.000.
- Blaul, Ronald L., to Trigent, Inc. Method of impact cleaning wi solvent spray in an enclosed chamber. 4,886,081, 12-12-89, C 134-18.000.
- Blaupunkt Werke GmbH: *See*—
  - Bochmann, Harald, 4,850,037, Cl. 455-276.000.
  - Meerkotter, Klaus; and Kunold, Ingo, 4,827,443, Cl. 364-724.16
  - Seibold, Peter, 4,808,981, Cl. 340-568.000.
  - Vogelsang, Ulrich, 4,796,247, Cl. 369-44.000.
  - Wieschhoff, Reinhard; and Seibold, Peter, 4,829,592, C 455-194.000.
  - Wolkewitz, Klaus; Scheck, Alfons; and Seeberger, Kurt, 4,821,7 Cl. 439-76.000.
  - Zwicker, Eberhard; and Deuter, Klaus, 4,868,881, Cl. 381-107.0
- Blauschild, Robert A., to North American Philips Corporation, Sign ics Division. Unity-gain current-limiting circuit. 4,851,759, 7-25- Cl. 323-223.000.
- Blaushild, Ronald M.; Golick, Leonard R.; Samluk, Stephen L.; a Tome, Richard E., to Westinghouse Electric Corp. Thermal insula tion of nuclear reactor. 4,797,247, 1-10-89, Cl. 376-289.000.
- Blauvelt, Kenneth: *See*—
  - Ginsburg, Arthur P.; Evans, David W.; and Blauvelt, Kenne 4,800,404, Cl. 351-243.000.
- Blaylock, Mark E., to Cordis Corporation. Method of producing fib optic chemical sensors incorporating photocrosslinked polymer ge 4,842,783, 6-27-89, Cl. 264-1.400.
- Blazek, John M.; and Tipton, John R., Jr., to Bloom, Leonard, a pa interest. Video recording camera. 4,809,079, 2-28-89, Cl. 358-115.0
- Blazek, John M.; and Tipton, John R., Jr., to Bloom, Leonard, a pa interest. Video recording camera. 4,864,425, 9-5-89, Cl. 358-115.0
- Blazek, Vladimir: *See*—
  - Noll, Joachim J.; Blazek, Vladimir; and Schmitt, Hans-Jurge 4,854,701, Cl. 356-73.100.
  - Schmitt, Hans J.; and Blazek, Vladimir, 4,836,212, Cl. 128-667.0
- Blazek, William S., to TRW Inc. Method of casting a one-piece whe 4,850,419, 7-25-89, Cl. 164-122.100.
- Blazevic, David T. Apparatus for improving hot strip mill processi 4,796,450, 1-10-89, Cl. 72-39.000.
- Blazevich, John Z., to ZB Industries. Process for preparing den 4,816,276, 3-28-89, Cl. 426-479.000.
- Blazey, Steven D.: *See*—
  - Hoyt, John M.; and Blazey, Steven D., 4,806,564, Cl. 524-170.0
  - Hoyt, John M.; and Blazey, Steven D., 4,808,669, Cl. 525-131.0
  - Hoyt, John M.; and Blazey, Steven D., 4,876,315, Cl. 525-344.0
- Blazo, Stephen F.: *See*—
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- Blazy, Pierre: *See*—
  - Lebon, Marc; Prevost, Michele; Jdid, El A.; and Blazy, Pier 4,844,873, Cl. 423-12.000.
- Blean, Harold P. Backpack seat. 4,795,068, 1-3-89, Cl. 224-155.00
- Bleasdale, Nigel: *See*—
  - Nothofer, Michael; Bishop, Malcolm J.; and Bleasdale, Nig 4,847,721, Cl. 361-23.000.
- Blech, Ilan A.; Gerzberg, Levy; Shacham, Yosef Y.; Sinar, Alexand and Sirkin, Eric R., to Zoran Corporation. Double layer voltage-pr grammable device and method of manufacturing same. 4,882,6 11-21-89, Cl. 357-51.000.
- Blech, Ilan A.: *See*—
  - Shacham, Yosef Y.; Sinar, Alexander B.; Sirkin, Eric R.; and Blec Ilan A., 4,845,045, Cl. 437-030.000.
- Blecha, William E.: *See*—
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- Bleckmann, Gerhard: *See*—
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  - Klimesch, Roger G.; Bleckmann, Gerhard; Farwerck, Karl-Pet Goertz, Hans-Helmut; and Schlemmer, Lothar, 4,880,585, C 264-141.000.
- Bleckmann, Hugo: *See*—
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- Blecksmith, James E.: *See*—
  - Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windre Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Pet D.; Bannister, Richard S.; Grancey, Thomas A.; and Fras Richard A., 4,853,784, Cl. 358-181.000.
  - Jackson, Richard A.; Lake, David E., Jr.; Blecksmith, James Barnett, Ronnie D.; and Abt, John, 4,821,269, Cl. 371-16.00
  - Jackson, Richard A.; Symes, Peter D.; Bannister, Richard Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barn Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; a Olmstead, Neil R., 4,858,011, Cl. 358-181.000.

- Bledsoe, Barry P.: *See*—
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Bledsoe, Blake H.: *See*—
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Bledsoe, Brett O.: *See*—
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Bledsoe, Clarence E.: *See*—
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Bledsoe, Eric N.: *See*—
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Bledsoe, Gary R., to Medical Technology, Inc. Motion restraining knee brace. 4,817,588, 4-4-89, Cl. 128-80.00C.
- Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., to Medical Technology, Inc. Passive motion exerciser. 4,834,073, 5-30-89, Cl. 128-25.00B.
- Bledsoe, Gregory A.: *See*—
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Bledsoe, James O., Jr.; and Brust, Bernard, to Union Camp Corporation. Process for purifying exo-2-hydroxy-1,4 cineole. 4,853,089, 8-1-89, Cl. 203-38.000.
- Bledsoe, Jerry L., to Burr-Brown Corporation. Front-surface N+ gettering techniques for reducing noise in integrated circuits. 4,796,073, 1-3-89, Cl. 357-34.000.
- Bledsoe, Steven W.; and McMurry, Alan D., to Western Atlas International, Inc. Streamer cable. 4,809,243, 2-28-89, Cl. 367-154.000.
- Bleeker, Jan J.: *See*—
  - van Os, George; Bleeker, Jan J.; and Schram, Cornelis W. A., 4,826,077, Cl. 127-29.000.
- Bleem, Frederik C., to Deltracon Deventer B.V. Method and apparatus for preparing concrete mortar. 4,881,819, 11-21-89, Cl. 366-2.000.
- Bleha, Miroslav: *See*—
  - Svec, Frantisek; Bleha, Miroslav; Tennikova, Tatiana B.; and Belenkii, Boris G., 4,889,632, Cl. 210-500.280.
- Bleha, William P.: *See*—
  - Grinberg, Jan; Koda, Nobuo J.; Reif, Philip G.; Bleha, William P.; Welkowsky, Murray S.; and Ledebuhr, Arno G., 4,826,293, Cl. 350-331.00R.
- Bleher, J. Hartmut; Gerlicher, Axel T.; Rump, Siegfried M.; and Unkauf, Dieter K., to International Business Machines Corp. Method and circuit arrangement for adding floating point numbers. 4,866,651, 9-12-89, Cl. 364-748.000.
- Blehert, Michael L.; and Weidner, Archie A., to Tennant Company. Combination sweeping and scrubbing system and method. 4,819,676, 4-11-89, Cl. 134-21.000.
- Blehm, Lynne M.; and White, William C., to Dow Corning Corporation. Silane microemulsions. 4,842,766, 6-27-89, Cl. 252-309.000.
- Bleiberger Bergwerks Union: *See*—
  - Rainer, Naderer; Lothar, Buxbaum; and Klaus, Langer, 4,801,579, Cl. 514-18.000.
- Bleich, Larry L.; Roberts, Joni A.; and Zerbs, Stephen T., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Methods of and apparatus for applying a coating material to elongated material. 4,877,645, 10-31-89, Cl. 427-117.000.
- Bleich, Ralf: *See*—
  - Mosbardt, Heinrich; Uhlig, Uwe; and Bleich, Ralf, 4,827,583, Cl. 29-33.00R.
- Bleicher, Joel N. Reanimation device and method for treating the paralyzed face. 4,799,487, 1-24-89, Cl. 128-419.00R.
- Bleicher, Maximilian: *See*—
  - Joseph, Johannes; Bleicher, Maximilian; and Greiner, Walter, 4,800,381, Cl. 340-764.000.
- Bleijenberg, Robert, to U.S. Philips Corporation. Drive arrangement, and motor-energizing system for use in the arrangement. 4,888,543, 12-19-89, Cl. 318-721.000.
- Bleil, Carl E. Apparatus for zone regrowth of crystal ribbons. 4,873,063, 10-10-89, Cl. 422-250.000.
- Bleke, Jeffrey P.: *See*—
  - Hay, George H.; and Bleke, Jeffrey P., 4,875,420, Cl. 110-215.000.
- Bleke, Jim: *See*—
  - Wyatt, W. Gerald; and Bleke, Jim, 4,817,518, Cl. 99-516.000.
- Blelloch, Guy: *See*—
  - Steele, Guy L., Jr.; Hillis, W. Daniel; Blelloch, Guy; Drumheller, Michael; Kahle, Brewster; Lasser, Clifford; Ranade, Abhiram; Salem, James; and Sims, Karl, 4,827,403, Cl. 364-200.000.
- Blem, Allen R.: *See*—
  - Covey, Rupert A.; Forbes, Patricia J.; Bell, Allyn R.; and Blem, Allen R., 4,826,529, Cl. 71-92.000.
  - Covey, Rupert A.; Forbes, Patricia J.; Bell, Allyn R.; and Blem, Allen R., 4,830,661, Cl. 71-92.000.
  - Friedlander, Barry T.; Davis, Robert A.; and Blem, Allen R., 4,870,094, Cl. 514-183.000.
  - Lai, Hoi K.; Davis, Robert A.; and Blem, Allen R., 4,857,649, Cl. 548-262.000.
- Blendax-Werke R. Schneider GmbH & Co.: *See*—
  - Afseth, John, 4,795,628, Cl. 424-54.000.
  - Amos, Walter, 4,801,009, Cl. 206-222.000.
  - Amos, Walter, 4,846,342, Cl. 206-222.000.
  - Bartsch, Klaus, 4,852,768, Cl. 222-46.000.
  - Wagner, Helmar R., 4,824,661, Cl. 424-52.000.
- Blenkhorn, Gary P., to S. D. Warren Company. Replicating process for interference patterns. 4,840,757, 6-20-89, Cl. 264-22.000.
- Blersch, Eberhard; Burr, August; and Hofmann, Klaus, to Robert Bosch GmbH. Method for controlling and/or regulating the injection molding in injection molding machines. 4,798,692, 1-17-89, Cl. 264-40.600.
- Bles, Bernhardus A. L.: *See*—
  - Bayer, Antonius L.; Bles, Bernhardus A. L.; Hands, Godfrey; and Hovden, Dag A., 4,798,299, Cl. 212-157.000.
- Bleser, Edward M.: *See*—
  - Cobb, Dean L.; and Bleser, Edward M., 4,840,279, Cl. 211-88.000.
  - Cobb, Dean L.; and Bleser, Edward M., 4,842,230, Cl. 248-225.200.
- Bleser, Robert D.: *See*—
  - Bleser, Sandra L.; and Bleser, Robert D., 4,815,153, Cl. 5-98.00R.
- Bleser, Sandra L.; and Bleser, Robert D. Inflatable play pen. 4,815,153, 3-28-89, Cl. 5-98.00R.
- Bleske, Randy J.: *See*—
  - Muller, Peter H.; Lowe, Peter E.; Bleske, Randy J.; Bhargava, Vikram; Heberling, James R.; and Muntner, Donald A., 4,866,215, Cl. 174-50.000.
- Blessing, Hermann. Quick change attachment for clamping chucks. 4,863,324, 9-5-89, Cl. 409-233.000.
- Blessing, Hubert; and Croyle, Gene F., to Levi Strauss & Co. High resolution optical fiber array and article position determining system. 4,795,913, 1-3-89, Cl. 250-561.000.
- Blessing, Hubert; and Harrington, Richard L., to Levi Strauss & Co. Separating and feeding garment parts. 4,871,161, 10-3-89, Cl. 271-10.000.
- Blessum, Cynthia R.: *See*—
  - Gurske, William A.; Blessum, Cynthia R.; Cheng, Min-Lee; and Andrade, Mark S., 4,857,163, Cl. 204-299.00R.
  - Sohn, Chul H.; Blessum, Cynthia R.; and Gage, Steven C., 4,865,714, Cl. 204-299.00R.
- Bletry, Jean: *See*—
  - Sauvinet, Vincent; Bletry, Jean; Bonnaud, Micheline; and Trouve, Maurice, 4,859,499, Cl. 427-108.000.
- Bletschacher, Max: *See*—
  - Duerrschnabel, Wolfgang; Puckert, Franz; and Bletschacher, Max, 4,810,465, Cl. 420-490.000.
- Bletz, Howard W., to Hi-Stat Manufacturing Co., Inc. Thermal sensor assembly. 4,887,062, 12-12-89, Cl. 337-299.000.
- Bleustein, Jeffrey L.: *See*—
  - Moore, Daniel A.; and Bleustein, Jeffrey L., 4,826,191, Cl. 280-261.000.
- Blevins, Charles: *See*—
  - Austin, Paul E.; Farris, David D.; Reedy, James D.; Blevins, Charles; and Ramdatt, Philbert E., 4,857,583, Cl. 524-761.000.
- Blevins, Charles H., II; Herdle, William B.; and Murphy, Gerald J., to Union Carbide Corporation. Polysiloxane-polyoxyalkylene terpolymers for polyurethane foam manufacture. 4,814,409, 3-21-89, Cl. 528-25.000.
- Blevins, Charles H., II; Herdle, William B.; and Murphy, Gerald J., to Union Carbide Corporation. Polysiloxane-polyoxyalkylene terpolymers for polyurethane foam manufacture. 4,855,329, 8-8-89, Cl. 521-112.000.
- Blevins, Charles H., II: *See*—
  - Foster, George N.; Petty, Herbert E.; and Blevins, Charles H., II, 4,879,378, Cl. 556-439.000.
- Blevins, Creed E., to United States of America, Air Force. Vibration damping composition suitable for outer space temperature variations. 4,822,834, 4-18-89, Cl. 524-427.000.
- Blevins, Gene, to Galaxy Machine, Inc. Wall mounted electric air heating device for drying or warming a person. 4,857,705, 8-15-89, Cl. 219-370.000.
- Blevins, Jack F., to Armstrong World Industries, Inc. Method of forming beater-saturated sheet using carbonate ion. 4,853,083, 8-1-89, Cl. 162-145.000.
- Blevins, Jerry L. Overlapping tile. 4,825,618, 5-2-89, Cl. 52-595.000.
- Blevins, Theodore: *See*—
  - Swiderski, Paul R.; and Blevins, Theodore, 4,850,065, Cl. 5-13.000.
- Blewett, James A.: *See*—
  - Wildgoose, Ronald; Kay, John M.; and Blewett, James A., 4,816,652, Cl. 235-379.000.
- Blewett, Michael; and Nelson, Thomas, to Sundstrand Corporation. Vapor pressure control system. 4,867,195, 9-19-89, Cl. 137-206.000.
- Blewitt, Mary E.: *See*—
  - Ward, Kathleen E.; and Blewitt, Mary E., 4,845,490, Cl. 340-825.310.
- Blewitt, William D.: *See*—
  - Young, John S.; Kruis, Peter; and Blewitt, William D., 4,797,654, Cl. 341-50.000.
- Blezard, Robert C.: *See*—
  - Evans, Robert D.; and Blezard, Robert C., 4,849,270, Cl. 428-85.000.

BLH Electronics, Inc.: *See*—
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Blickenderfer, Charles: *See*—
Wislocker, Frank; and Blickenderfer, Charles, 4,881,584, Cl. 144-39.000.
Blickle, Peter; Hintzer, Klaus; Lohr, Gernot; and Schwertfeger, Werner, to Hoechst Aktiengesellschaft. Solutions of fluoropolymers, and their use. 4,808,651, 2-28-89, Cl. 524-366.000.
Blickle, Peter; Hintzer, Klaus; Schwertfeger, Werner; and Ulmschneider, Dieter, to Hoechst Aktiengesellschaft. Process for the preparation of trifluoroacrylates. 4,835,305, 5-30-89, Cl. 560-219.000.
Blickstein, Martin J., to Murata Erie North America, Inc. High power tunable capacitor. 4,845,586, 7-4-89, Cl. 361-292.000.
Blight, James D.; and Gangsaas, Dagfinn, to Boeing Company, The. Flight control system and method. 4,849,900, 7-18-89, Cl. 364-434.000.
Blimmel, William C.: *See*—
Klapproth, Kenneth H.; Blimmel, William C.; and Dinse, Merle L., 4,856,963, Cl. 415-190.000.
Blind, Andre; Collas, Gerard; Robin, Jean; and Sagi, Ferenc, to Rhone-Poulenc Chimie. Purification/isolation of isocyanate condensates. 4,871,828, 10-3-89, Cl. 528-44.000.
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Blinka, Thomas A.: *See*—
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Blinken, Robert J.; Blinken, Robert J., Jr.; Garner, Merle D.; Koenig, William J.; and Oliver, Billy B., to Communications Network Enhancement Inc. Enhanced dedicated teleconferencing system. 4,796,293, 1-3-89, Cl. 379-202.000.
Blinken, Robert J., Jr.: *See*—
Blinken, Robert J.; Blinken, Robert J., Jr.; Garner, Merle D.; Koenig, William J.; and Oliver, Billy B., 4,796,293, Cl. 379-202.000.
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Kock, Hans-Jakob; Hisgen, Bernd; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,861,858, Cl. 528-193.000.
Lausberg, Dietrich; Blinne, Gerd; Ittemann, Peter; Heinz, Gerhard; Seiler, Erhard; and Knoll, Manfred, 4,798,855, Cl. 523-435.000.
Portugall, Michael; Blinne, Gerd; and Sterzel, Hans-Josef, 4,797,465, Cl. 528-176.000.
Portugall, Michael; Sterzel, Hans-Josef; Blinne, Gerd; Vondenhagen, Heinz-Dieter; Seiler, Erhard; Schmidt, Hans-Friedrich; and Von Tomkewitsch, Sybille, 4,802,061, Cl. 361-400.000.
Blinsinger, Curtis H. Freezable liquid container. 4,869,385, 9-26-89, Cl. 220-4.00R.
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Bliss, Arthur E.; Day, Gene F.; and Suverkropp, Claus P. J., to Precision Image Corporation. Electrostatic printer for digitized images or data. 4,849,776, 7-18-89, Cl. 346-157.000.
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Bliss, Joseph A., to Allied-Signal Inc. Dash control valve with differential trip. 4,844,553, 7-4-89, Cl. 303-7.000.
Bliss, Marilynn J. Make-up coverture. 4,807,650, 2-28-89, Cl. 132-319.000.
Bliss, Thomas, to Texas Instruments Incorporated. Composite metal spring material, method of making, and spring members formed therefrom. 4,818,634, 4-4-89, Cl. 428-677.000.
Blissett, Malcolm G.; and Goodliffe, Brian C., to Wolverine World Wide, Inc. Metatarsal head shoe cushion construction. 4,866,860, 9-19-89, Cl. 36-28.000.
Blistex Inc.: *See*—
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Blitshteyn, Mark, to Simco Company, Inc., The. Method and circuit for balance control of positive and negative ions from electrical A.C. air ionizers. 4,872,083, 10-3-89, Cl. 361-213.000.
Blitz, Hans-Dieter: *See*—
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Blitzer, Jacob H.; and O'Toole, Richard M. Miniature ceiling beam T-bar cover cap. 4,848,054, 7-18-89, Cl. 52-488.000.
Bliven, Herb. Fishing rig holder and method of use. 4,866,875, 9-19-89, Cl. 43-57.100.
Bliven, S. R.: *See*—
Kubiak, Jim; and Bliven, S. R., 4,841,852, Cl. 100-100.000.
Blizzard, John D.; and Swihart, Terence J., to Dow Corning Corporation. Crosslinkable pressure-sensitive adhesives containing a liquid organohydrogenpolysiloxane. 4,831,080, 5-16-89, Cl. 525-100.000.
Blizzard, John D., to Dow Corning Corporation. Curable silicone coated gasket and composition. 4,865,911, 9-12-89, Cl. 428-285.000.
Blizzard, John D.: *See*—
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Swihart, Terence J.; and Blizzard, John D., 4,830,925, Cl. 428-450.000.
Blizzard, William A.; and Pringle, Ronald E., to Camco, Incorporated. Safety valve. 4,860,991, 8-29-89, Cl. 251-62.000.
Blizzard, William A., Jr.: *See*—
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Bloch, Christopher J., to Naylor Industrial Services, Inc. Method and apparatus for steam flow venting incorporating air educting means. 4,880,447, 11-14-89, Cl. 55-94.000.
Bloch, Joseph T.; and Johnstone, Todd N., to Boeing Company, The. Current controlled inductor. 4,825,184, 4-25-89, Cl. 336-20.000.
Bloch, Peter; and Aste, Robert, to Swisscab E. A. Schoen S.A. Extruder head with a rotary die and process for lubricating this head. 4,806,0 2-21-89, Cl. 425-114.000.
Bloch, Ralph F. Isokinetic exercise method and apparatus, using frictional braking. 4,824,104, 4-25-89, Cl. 272-125.000.
Bloch, Ricardo: *See*—
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Ver Strate, Gary; Bloch, Ricardo; Struglinski, Mark J.; Johnston, John E.; and West, Roger K., 4,804,794, Cl. 585-12.000.
Block, Aleck. Abrasive wheel. 4,835,912, 6-6-89, Cl. 51-332.000.
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Block, Aleck. Flap wheel. 4,872,292, 10-10-89, Cl. 51-334.000.
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Block, Irving R. Instrument for internal hemorrhoidectomy. 4,834,0 5-30-89, Cl. 128-4.000.
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Block, Timothy R.; Soderstrom, Ronald L.; Heiling, Gerald M.; and Rocca, Charles J., to International Business Machines Corporation. Serial optical interconnect bus for logic cards and the like. 4,850,04 7-18-89, Cl. 455-607.000.
Block, Timothy R.; Enstrom, Mark R.; Luecke, Francis S.; Shafe Karl A.; and Soderstrom, Ronald L., to International Business Machines Corporation. Precision measurement and positioning system for disk storage system. 4,870,635, 9-26-89, Cl. 369-215.000.

Blocker, Erich, to Hoechst Aktiengesellschaft. Polyester molding composition, process for its preparation and its use. 4,880,860, 11-14-89, Cl. 524-94.000.
Blocker, Helmut; Frank, Ronald; and Volckaert, Guido, to Gesellschaft fur Biotechnologische Forschung mbH (GBF). Double-stranded vector and process using it. 4,863,848, 9-5-89, Cl. 435-6.000.
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Blockinger, Larry A. High security window. 4,878,314, 11-7-89, Cl. 49-381.000.
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Blodgett, Frank W.; and Bokelmann, Paul R., to Damrow Company, Inc. Apparatus for matting and milling of cheese curd. 4,879,946, 11-14-89, Cl. 99-453.000.
Blodgett, Jeffrey J. Portable combination of food preparation unit. 4,866,572, 9-12-89, Cl. 361-393.000.
Blodgett, Mark S.; Ross, Robert C.; and Cline, Allen W., to General Motors Corporation. High compliance seal and engine combination. 4,846,482, 7-11-89, Cl. 277-235.00B.
Bloebaum, Roy D.; and Magee, Frank P., to Harrington Arthritis Research Center. Hypertonic solution for arthroscopic surgery. 4,872,865, 10-10-89, Cl. 604-28.000.
Bloebaum, Roy D.; Magee, Frank P.; and Murray, Thomas P., to Harrington Arthritis Research Center. Tibial component for a knee prosthesis. 4,883,488, 11-28-89, Cl. 623-20.000.
Bloecher, Ulrich; and Duwell, Ernest J., to Minnesota Mining and Manufacturing Company. Erodable agglomerates and abrasive products containing the same. 4,799,939, 1-24-89, Cl. 51-293.000.
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[illegible], Hubertus M. H. A.; and Bellinga, Jan, to Fokker Special Products b.v. Armour plate. 4,813,334, 3-21-89, Cl. 89-36.020.
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Blom, Karl B., to Parkson Corporation. Method and apparatus for removing liquid from suspensions. 4,882,068, 11-21-89, Cl. 210-703.000.
Blom, Peter W. E.; and Wingard, Johann H., to Union Steel Corporation of South Africa Limited, The; and Edward L. Bateman Limited. Treatment of gas liquor. 4,861,446, 8-29-89, Cl. 204-170.000.
Blomberg, Ingvar M. Wall mounting device. 4,886,405, 12-12-89, Cl. 411-16.000.
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Blomquist, Leonard A., to Continental Plastic Containers, Inc. Apparatus for applying a label to an open mold half. 4,878,823, 11-7-89, Cl. 425-116.000.
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Bloom, Robert. Hair coloring applicator bottle. 4,872,594, 10-10-89, Cl. 222-173.000.
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Bloomfield, Philip E.; Ferren, Richard A.; and Wickwire, Dean H., to Pennwalt Corporation. Die drawing process and apparatus for piezoelectric polymer films and tubes. 4,800,048, 1-24-89, Cl. 264-22.000.
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Pak, Charles Y. C.; Uskokovic, Milan R.; and Zerwekh, Joseph E., 4,883,791, Cl. 514-167.000.
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Boarman, George L. Contraceptive system. 4,834,114, 5-30-89, Cl. 128-830.000.
Boart International Limited: *See—*
Bingham, Henry, 4,867,338, Cl. 220-378.000.
Boasson, Ragnar T. Locking means for joining two or more members such as for instance a chain end and links of an endless chain. 4,809,496, 3-7-89, Cl. 59-93.000.
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Doehler, Gottfried H.; Scott, Caroline J.; Trott, Gary R.; and Boatman, Betty, 4,839,714, Cl. 357-71.000.
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Boatner, Lynn A.; and Sales, Brian C., to United States of America Energy. Lead iron phosphate glass as a containment medium for disposal of high-level nuclear waste. 4,847,008, 7-11-89, Cl. 252-629.000.
Boatner, Lynn A.; and Sales, Brian C., to Martin Marietta Energy Systems, Inc. Novel lead-iron phosphate glass. 4,847,219, 7-11-89, Cl. 501-27.000.
Boatwright, David A.; Duncan, Robert; and Klapper, Kenneth K., to Westinghouse Electric Corp. Fuel rod end plug welding apparatus and method. 4,837,419, 6-6-89, Cl. 219-125.110.
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Boaz, Premakaran T., to Ford Motor Company. Method of forming a glass sheet with a UV-base ceramic paint thereon. 4,857,096, 8-15-89, Cl. 65-60.510.
Bobb, Lloyd C.; White, Barbara J.; and Davis, Jon P., to United States of America, Navy. Thermal modulation of light beams. 4,859,059, 8-22-89, Cl. 356-345.000.
Bobbio, Stephen M., to Microelectronics Center of North Carolina. Method for anisotropically hardening a protective coating for integrated circuit manufacture. 4,826,754, 5-2-89, Cl. 430-311.000.
Bobeck, Andrew H.; Harriott, Lloyd R.; Hartman, Robert L.; Kaplan, Daniel R.; Przybylek, George J.; and Tabor, William J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Transverse mode control in solid state lasers. 4,870,649, 9-26-89, Cl. 372-19.000.
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Boberg, Evan S.; and Zahn, Larry D., to Chrysler Motors Corporation. Rear wheel steering drive mechanism. 4,813,694, 3-21-89, Cl. 280-91.000.
Boberg, Evan S.; and Zahn, Larry D., to Chrysler Motors Corporation. Rear wheel steering drive mechanism. 4,826,188, 5-2-89, Cl. 280-91.000.
Boberg, Michael; Metzger, Karl G.; and Zeiler, Hans-Joachim, to Bayer Aktiengesellschaft. 2-aminothiazolyl-containing β-lactam antibiotics. 4,808,724, 2-28-89, Cl. 548-194.000.
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Boberg, Ralph E.; Lee, Ronald S.; and Weingart, Richard C., to United States of America, Energy. Ferrite core coupled slapper detonator apparatus and method. 4,852,493, 8-1-89, Cl. 102-202.500.
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Boberski, William G.: *See—*
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Bobert, David L.; and Van Horn, C. Roger, to Protocol, Inc. Tamperproof lock for vending machines. 4,843,853, 7-4-89, Cl. 70-427.000.
Bobichon, Jacques; Hervouin, Lucien; and Vigneron, Gilbert, to Societe Anonyme dite: Stein Industrie. Plug for an opening providing an inspection X-ray source with access to pipework or to an apparatus. 4,858,652, 8-22-89, Cl. 138-92.000.
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Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,839,380, Cl. 517-424.000.
Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,876,360, Cl. 548-550.000.
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Boblitt, Donald L.: *See—*
Parker, Richard W.; Beery, James P.; Boblitt, Donald L.; and Starr, Robert L., 4,881,362, Cl. 56-202.000.
Bobo, Donald E., Jr.; Seguine, Dennis R.; and Lapp, Theodore R., to Baxter International Inc. Automatic infiltration detection system and method. 4,846,792, 7-11-89, Cl. 604-50.000.
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Biette, Douglas S.; Clark, Steven D.; Raby, Max E., Jr.; and Lewis, George R., 4,801,815, Cl. 307-112.000.
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Kaplan, Robert H.; LaCava, Alberto; Shirley, Arthur I.; and Ringo, Steven M., 4,853,004, Cl. 55-25.000.
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Latif, Sherif; and Ryan, Robert F., 4,889,708, Cl. 424-43.000.
Layland, David J.; and Lavin, John T., 4,883,516, Cl. 62-22.000.
Mackin, Michael H.; and Koch, Robert J., 4,809,677, Cl. 600-22.000.
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Morgan, Steven V.; and Madocks, John E., 4,850,806, Cl. 417-53.000.
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Ramachandran, Ramakrishnan; MacLean, Donald L.; and Satchell, Donald P., Jr., 4,849,538, Cl. 558-319.000.
Ramachandran, Ramakrishnan; Shukla, Yagya; and MacLean, Donald L., 4,868,330, Cl. 558-320.000.
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Boccalon, Gianfranco; Pelacani, Alberto; Tigani, Giuseppe; and Brancaccio, Aldo, to Eniricerche S.p.A.; and Enichem Anic S.p.A. Process for coating metal surfaces with polyolefins. 4,832,990, 5-23-89, Cl. 427-388.100.
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Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., to Moskovskoe Vyschee tekhnicheskoe uchilische imeni N.E.Baumana; and Experimentalny nauchno-issledovatelsky institut kuznechno-pressovogo mashinostroenia "ENIKMASH". Double-action screw press. 4,881,399, 11-21-89, Cl. 72-454.000.
Bochis, Richard J.; Tolman, Richard L.; and Harris, Elbert, to Merck & Co., Inc. 5-Amino or substituted amino 1,2,3-triazoles. 4,816,469, 3-28-89, Cl. 514-359.000.
Bochmann, Harald, to Blaupunkt Werke GmbH. Method and circuit for receiving radio wave, especially multi-antenna diversity reception and apparatus. 4,850,037, 7-18-89, Cl. 455-276.000.
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- Pinto, Akiva; Lucassen, Guenter; and Bocht, Bernhard, 4,864,693, Cl. 9-105.000.
- Bochumer Eisenhutte Heintzmann GmbH & Co. HG: *See—*
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- Bochumer Eisenhutte Heintzmann GmbH & Co. KG: *See—*
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  - Koppers, Manfred; Sebastian, Lotar; and Guse, Kuno, 4,887,935, Cl. 405-302.000.
  - Sebastian, Lothar; and Guse, Kuno, 4,806,017, Cl. 356-376.000.
- Bochumer Eisenhutte Heinzmann GmbH & Co., KG: *See—*
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- Bock, Andreas: *See—*
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- Bock, Eberhard, to TetraWerke Dr. rer.nat. U. Baensch GmbH. Process for producing an aqueous suspension of nitrifying bacteria. 4,874,707, 10-17-89, Cl. 435-253.600.
- Bock, Erich; and Weber, Adolf, to Diehl GmbH & Co. Saboted projectile with propellant cage. 4,860,661, 8-29-89, Cl. 102-523.000.
- Bock, Erich; and Himmert, Rainer, to Diehl GmbH & Co. Explosive projectile assembly with a projectile body. 4,882,996, 11-28-89, Cl. 102-496.000.
- Bock, Georg: *See—*
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- Bock, Gustavus P.: *See—*
  - Kruckemeier, William C.; Bock, Gustavus P.; and Fannin, Wayne V., 4,821,851, Cl. 188-319.000.
- Bock, Hans-Christian; and Kaul, Karlheinz, to Siemens Aktiengesellschaft. X-ray examination apparatus comprising a pillar carrying an X-ray system. 4,866,752, 9-12-89, Cl. 378-197.000.
- Bock, Jan; Valint, Paul L.; and Jacques, Donald F., to Exxon Research and Engineering Company. Micellar process for preparing hydrophobically functionalized cationic polymers (C-2114). 4,831,092, 5-16-89, Cl. 526-209.000.
- Bock, Jan: *See—*
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- Bock, Manfred: *See—*
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  - Meixner, Jurgen; Bock, Manfred; Pedain, Josef; and Schonfelder, Manfred, 4,870,152, Cl. 528-49.000.
- Bock, Mark G.: *See—*
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  - Freidinger, Roger M.; Evans, Ben E.; and Bock, Mark G., 4,847,248, Cl. 514-214.000.
- Bock, Martin; and Tenbrink, Detlef, to Schering Aktiengesellschaft. Method of production galvanically deposited aluminum layers for use as contacts of microcircuits. 4,869,926, 9-26-89, Cl. 427-96.000.
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- Bock, Robert T. Center feed magazine for firearms. 4,821,442, 4-18-89, Cl. 42-17.000.
- Bock, Rolf: *See—*
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- Bock, Werner: *See—*
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- Bock, Wojtek; and Chrostowski, Jacek, to Conseil National de Recherches du Canada. Method and leadthrough system for laying out optical fibres across an aperture of a container shell. 4,883,336, 11-28-89, Cl. 350-96.200.
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- Bockenheuser, Charles A., to Pardners Unlimited, Inc. Protective shield and method of fastening protective shield to a frame. 4,840,418, 6-20-89, Cl. 296-91.000.
- Bockenhoff, Elmar: *See—*
  - Bending, Simon J.; and Bockenhoff, Elmar, 4,878,095, Cl. 357-16.000.
- Bocker, Harald: *See—*
  - Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.
- Bocker, Jurgen; Furch, Benjamin; Pfaehler, Jorg; and Peters, Jorg, to Rheinmetall GmbH. Active element for combating, in particular, active armored targets. 4,848,238, 7-18-89, Cl. 102-476.000.
- Bocker, Richard P.: *See—*
  - Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L.; and He derson, Thomas B., 4,838,646, Cl. 350-169.000.
  - Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L.; and He derson, Thomas B., 4,863,247, Cl. 350-401.000.
- Bockmann, Klaus; Stroech, Klaus; Dutzmann, Stefan; and Reinecke, Paul, to Bayer Aktiengesellschaft. 1-(2,4-Difluorophenyl)-1-(fluorocylopropyl)-2-(1,2,4-triazol-1-yl)-ethan-1-ol. 4,845,116, 7-4-8 Cl. 514-383.000.
- Bockmann, Klaus: *See—*
  - Dutzmann, Stefan; Reinecke, Paul; and Bockmann, Klau 4,847,279, Cl. 514-383.000.
  - Regel, Erik; Bockmann, Klaus; Buchel, Karl H.; Lurssen, Klau Brandes, Wilhelm; Konze, Jorg; and Reinecke, Paul, 4,875,9 Cl. 71-92.000.
  - Stroech, Klaus; Frie, Monika; Bockmann, Klaus; Lurssen, Klau and Dutzmann, Stefan, 4,888,048, Cl. 71-92.000.
- Bockowski, Edmund; and McDaniel, Cato R., to Betz Laboratories Inc. Method of generating acrolein. 4,851,583, 7-25-89, C 568-465.000.
- Bockrath, Ronald E.; and Cole, Bill W., to Amoco Corporation. Poly mide-imide compositions from bisphenoxyphenyl diamine tricarbo ylic anhydride and tetracarboxylic dianhydride. 4,861,855, 8-29-8 Cl. 528-125.000.
- Bockrath, Thomas A., to Hughes Aircraft Company. Intersecting shared aperture antenna reflectors. 4,823,143, 4-18-89, Cl. 34 781.00P.
- Bockrath, Thomas A.: *See—*
  - Rubin, Charles P.; and Bockrath, Thomas A., 4,796,033, C 343-912.000.
- Bockstruck, Herman N.: *See—*
  - Habbe, Randall G.; and Bockstruck, Herman N., 4,856,160, C 29-1.230.
- Bockwinkel, Gerald J., to Ardco, Inc. Refrigerator door assembly wi thermal break frame. 4,831,780, 5-23-89, Cl. 49-504.000.
- Bocock, Richard L.: *See—*
  - Mettes, Hal J.; and Bocock, Richard L., 4,868,565, Cl. 340-856.00
- Bocquet, Christian, to Thomson Semiconducteurs. Instructions se qencer for microprocessor with matrix for determining the instructions cycle steps. 4,852,022, 7-25-89, Cl. 364-200.000.
- Bocquet, Cristian, to Thomson Semiconducteurs. Instruction sequence for network structure microprocessor. 4,878,195, 10-31-89, C 364-900.000.
- Bocquet, Jean-Louis; Gouttebessis, Jacques; and Rey, Maurice, t Compagnie Generale des Etablissements Michelin-Michelin & Cie Method for making reinforcing assemblies comprising reinforcement threads and a matrix. 4,857,128, 8-15-89, Cl. 156-244.120.
- Bocskor, Steven J.: *See—*
  - Wedgwood, Janet E.; Berde, Dennis W.; Bocskor, Steven J.; and Cotter, George E., 4,856,079, Cl. 455-50.000.
- Bocson, David A.; and Norkey, Phillip J., to U.S. Plastics Corporation. Quick connect coupling. 4,846,506, 7-11-89, Cl. 285-4.000.
- Bocus, Socrate: *See—*
  - Tedesco, Raffaele; Bocus, Socrate; and Signoretti, Luigi, 4,820,5 Cl. 428-360.000.
- Boczar, Paul M.: *See—*
  - Hueffman, Jennifer R.; and Boczar, Paul M., 4,822,074, C 281-15.100.
- Bod, Dennis L.: *See—*
  - Baukol, David E.; Bod, Dennis L.; and Mittelstadt, Robert F., 4,804,265, Cl. 356-152.000.
- Bod, Murray L.; McMann, Renville H.; and Torick, Emil L., to Broadcast Technology Partners. Selective decoder for compatible FM stereophonic system utilizing companding of difference signal 4,817,151, 3-28-89, Cl. 381-13.000.
- Bod, Peter; Harsanyi, Kalman; Agai nee Csongor, Eva; Bogsch, Erik Fekecs, Eva; Trischler, Ferenc; Domany, Gyorgy; Szabadkai, Istvan and Hegedus, Bela, to Richter Gedeon Vegyeszeti Gyar Rt. Process for the preparation of N-sulfamyl-3-(2-guanidino-thiazol-4-methylthio)-propionamidine. 4,835,281, 5-30-89, Cl. 548-197.000.
- Boda, James C.; and Slattery, Gordon C., to Brunswick Corporation. Cowl assembly for an outboard motor. 4,800,854, 1-31-89, Cl. 12 195.00P.
- Boda, James C., to Brunswick Corporation. Cam adjustment assembly 4,805,482, 2-21-89, Cl. 74-571.00M.
- Boda, James C.; Baumhardt, Robert J.; and Heidel, Bruce A., to Brunswick Corporation. Preassembled throttle cable linkage. 4,838,82 6-13-89, Cl. 440-87.000.
- Boda, James C., to Brunswick Corporation. Rotary latch mechanism for securing cowl sections of an outboard motor. 4,844,031, 7-4-89, C 123-195.00P.
- Boda, James C., to Brunswick Corporation. Plastic air intake silencer box for marine engine. 4,846,300, 7-11-89, Cl. 181-229.000.
- Boda, James C.; and Slattery, Gordon C., to Brunswick Corporation. Cowl assembly with water resistant air intake duct and sealing 4,860,703, 8-29-89, Cl. 123-195.00P.
- Boda, James C.; and Slattery, Gordon C., to Brunswick Corporation. One piece lower skirt for improving water resistance of an outboard motor. 4,867,120, 9-19-89, Cl. 123-195.00P.
- Boda, James C.; and Slattery, Gordon C., to Brunswick Corporation. Cowl assembly for an outboard motor. 4,878,468, 11-7-89, Cl. 12 195.00P.
- Boda, Janos: *See—*
  - Bakay, Arpad; Boda, Janos; Forgo, Laszlo; Papp, Istvan; Kovac Gyula; and Laszlo, Karoly, 4,830,102, Cl. 165-151.000

- Bodak-Cumming, Patricia A.: *See—*
  - Adams, Richard P.; Holland, Richard J.; and Bodak-Cumming, Patricia A., 4,818,422, Cl. 252-8.800.
- Bodart, Philippe: *See—*
  - Debras, Guy; and Bodart, Philippe, 4,861,939, Cl. 585-820.000.
- Boddeker, Karl W., to Bend Research, Inc. Pervaporation of phenols. 4,806,245, 2-21-89, Cl. 210-640.000.
- Boddey, Derek O.; and Young, Alan G., to EDI Engineering Limited. Control system. 4,805,519, 2-21-89, Cl. 98-1.000.
- Boddu, Sudhakar: *See—*
  - Kowshik, Vikram; Boddu, Sudhakar; and Lucero, Elroy M., 4,873,671, Cl. 365-189.120.
- Boddy, Jerold W. Multi port diverter valve. 4,827,979, 5-9-89, Cl. 137-625.290.
- Bode, Albert: *See—*
  - Buhler, Ulrich; Tappe, Horst; Kuhn, Reinhard; Bode, Albert; and Boss, Margareta, 4,802,889, Cl. 3-639.000.
- Bode, Hans-Dieter: *See—*
  - Vossbeck, Waldemar; and Bode, Hans-Dieter, 4,821,565, Cl. 73-159.000.
- Bode, Jurgen; and Horn, Manfred, to Gebr. Bode & Co. GmbH. Rotating drive mechanism for operating the wing of a swinging door, especially of a vehicle. 4,833,827, 5-30-89, Cl. 49-280.000.
- Bode, Jurgen; and Horn, Manfred, to Gebr. Bode & Co. GmbH. Rotating drive mechanism for swinging door especially on vehicles. 4,838,102, 6-13-89, Cl. 74-89.150.
- Bode Panzer Aktiengesellschaft: *See—*
  - Maxeiner, Heinz; Kruske, Gerhard; and Reimann, Hartwig, 4,859,541, Cl. 428-545.000.
- Bode, Wolfgang W.; and Spear, Burton W., to Dura Temp Corporation. Molded take-out tong inserts for handling hot glass articles. 4,865,897, 9-12-89, Cl. 428-137.000.
- Bodegom, Volker J.: *See—*
  - Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.
- Bodem, George B.: *See—*
  - Henzel, Richard P.; Vanier, Noel R.; and Bodem, George B., 4,853,367, Cl. 503-227.000.
- Boden, Eugene P.; and Krabbenhoft, Herman O., to General Electric Company. Preparation of branched thermoplastic polycarbonate from polycarbonate and polyhydric phenol. 4,888,400, 12-19-89, Cl. 525-462.000.
- Boden, Karl; Ibach, Harald; and Linke, Udo, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Method of and apparatus for growing crystals. 4,818,500, 4-4-89, Cl. 422-249.000.
- Boden, Ogden W. Cord lock with cord removal slot. 4,807,333, 2-28-89, Cl. 24-117.000.
- Boden, Richard M.; and McGhie, Joseph A., to International Flavors & Fragrances Inc. Tetrahydro-5-isopropyl-2-methyl-2-thiophene acetonitrile, organoleptic uses thereof and process for preparing same. 4,883,884, 11-28-89, Cl. 549-74.000.
- Boden, Richard M.; and McGhie, Joseph A., to International Flavors & Fragrances Inc. S(4-hydroxy-1-isopropyl-4-methylhexyl) thioacetate. 4,886,897, 12-12-89, Cl. 558-252.000.
- Boden, Roger D., Sr.: *See—*
  - Lamb, Vernon L., Sr.; and Boden, Roger D., Sr., 4,810,445, Cl. 264-112.000.
- Boden, Scott T.: *See—*
  - McKinney, Robert C.; Perry, Lloyd F.; and Boden, Scott T., 4,823,914, Cl. 187-133.000.
  - Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., 4,844,475, Cl. 273-311.000.
- Boden, Wilhelm, to Dealermain Ltd. Fast boat. 4,858,549, 8-22-89, Cl. 114-56.000.
- Bodenhausen, Geoffrey, Pfandler, Peter E.; Rapin, Jacques; Gaumann, Tino; and Houriet, Raymond, to Spectrospin, AG. Method for recording ICR mass spectra and ICR mass spectrometer designed for carrying out the said method. 4,855,593, 8-8-89, Cl. 250-282.000.
- Bodenheimer, Joseph S.; Klein, Itzhak; and Levi, Yehuda L., to Jerusalem College of Technology. Refractometer for fluids. 4,806,013, 2-21-89, Cl. 356-133.000.
- Bodenmiller, Anton, to Kaltenbach & Voigt GmbH & Co. Workplace for the treatment, in particular, of dental workpieces. 4,834,357, 5-30-89, Cl. 269-289.00R.
- Bodenseewerk Geratetechnik GmbH: *See—*
  - Ellenrieder, Peter; and Oppelt, Hans F., 4,826,317, Cl. 356-241.000.
  - Hartmann, Ulrich; Fessel, Reinhard; and Jansen, Dirk, 4,823,626, Cl. 74-5.340.
  - Krogmann, Uwe, 4,807,138, Cl. 364-453.000.
- Bodenseewerk Perkin-Elmer & Co., GmbH: *See—*
  - Gonner, Winfried; Kolb, Bruno; and Machata, Gottfried, 4,818,489, Cl. 422-84.000.
  - Knapp, Gunter, 4,803,051, Cl. 422-80.000.
  - Kunze, Wolfgang, 4,848,921, Cl. 374-11.000.
  - Tamm, Rolf; and Christian, Gerhard, 4,834,536, Cl. 356-312.000.
- Bodensiek, Paul H.: *See—*
  - Grise, Frederick G. J.; Martstiller, John A.; and Bodensiek, Paul H., 4,849,255, Cl. 427-122.000.
  - Marstiller, John A.; Bodensiek, Paul H.; and Grise, Frederick G., 4,888,089, Cl. 156-644.000.
- Boder, Dieter, to Rheinmetall GmbH. Method for the application and fastening of rotating bands on projectile bodies. 4,873,416, 10-10-89, Cl. 219-121.640.
- Boder, Janos: *See—*
  - van Heteren, Jan; and Boder, Janos, 4,844,928, Cl. 426-312.000.
- Bodet, Fabrice. Bullets for fire arms. 4,819,563, 4-11-89, Cl. 102-501.000.
- Bodette, James E.: *See—*
  - Hilker, G. Daniel; Lausen, Verne H.; Coon, Jessie H.; Bodette, James E.; Grimes, Jerry L.; Wright, Roger D.; Disque, Donny R.; and Bultemeier, Keith D., 4,826,706, Cl. 427-120.000.
- Bodewein, Jakob, to Jagenberg Aktiengesellschaft. Sheet stacker. 4,799,847, 1-24-89, Cl. 414-790.800.
- Bodi, Ilona: *See—*
  - Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.
- Bodi, Richard, to North American Philips Corporation. Shipping tray assembly for an article having casters. 4,798,294, 1-17-89, Cl. 206-600.000.
- Bodi, Tibor: *See—*
  - Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.
- Bodiguard Technologies, Inc.: *See—*
  - Jurrius, Eran J. P.; Russ, Geri A.; and Russ, Travis A., 4,804,432, Cl. 156-350.000.
- Bodimer, Theodore B., to Joy Manufacturing Company. Crawler-mounted conveying train. 4,852,724, 8-1-89, Cl. 198-861.200.
- Bodimer, Theodore B., to Joy Technologies Inc. Crawler-mounted conveying train. 4,865,185, 9-12-89, Cl. 198-861.200.
- Bodine, Albert G. Roller type orbiting mass oscillator with low fluid drag. 4,815,328, 3-28-89, Cl. 74-87.000.
- Bodine, Albert G. Rod string sonic stimulator and method for facilitating the flow from petroleum wells. 4,817,712, 4-4-89, Cl. 166-249.000.
- Bodine, Albert G. Fluid driven screw type (moyno) sonic oscillator system. 4,824,258, 4-25-89, Cl. 366-118.000.
- Bodine, Albert G. Sonic method and apparatus for winning minerals from liquid carriers. 4,830,758, 5-16-89, Cl. 210-748.000.
- Bodine, Albert G. Sonic method and apparatus for installing monitor wells for the surveillance and control of earth contamination. 4,836,299, 6-6-89, Cl. 175-22.000.
- Bodine, Albert G. Method and apparatus for transversely boring the earthen formation surrounding a well to increase the yield thereof. 4,848,486, 7-18-89, Cl. 175-55.000.
- Bodine, Albert G. Method and apparatus for reducing impedance or core material in sonic pile driving. 4,874,270, 10-17-89, Cl. 405-248.000.
- Bodine, Albert G. Sonic method for facilitating the extraction of minerals from ore in a leachant. 4,883,532, 11-28-89, Cl. 75-101.00R.
- Bodine, Albert G. Sonic method for facilitating the removal of solid particles from a slurry. 4,885,098, 12-5-89, Cl. 210-702.000.
- Bodker, Ed. Apparatus for the "baitless" harvesting of crawfish. 4,819,369, 4-11-89, Cl. 43-102.000.
- Bodkin, Lawrence E. Electrical connection sentry system. 4,843,514, 6-27-89, Cl. 361-50.000.
- Bodley-Scott, Jamie, to Lucas Industries Public Limited Company. Vehicle condition monitoring system. 4,817,040, 3-28-89, Cl. 364-424.040.
- Bodmann, Erik; Denninghoff, Ralf; and Schmidt, Anton, to Hochtemperatur-Reaktorbau GmbH. Graphite side reflector. 4,816,212, 3-28-89, Cl. 376-381.000.
- Bodnar, Laszlo : *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
- Bodo, Boettcher: *See—*
  - Eberhard, Koch U.; and Bodo, Boettcher, 4,812,944, Cl. 361-127.000.
- Bodolay, William A., to Package Machinery Company, Bodolay/Pratt Division. Continuous form, fill, seal and separate packaging machine. 4,800,705, 1-31-89, Cl. 53-168.000.
- Bodolus, Christopher: *See—*
  - Teller, Raymond G.; Ebner, Ann M.; Bodolus, Christopher; and Gupta, Victor R., 4,836,117, Cl. 110-342.000.
- Bodor, Janos; van Heteren, Jan; Willemse, Henricus W.; and Vermaas, Leo F., to Lever Brothers Company. Process for the preparation of an edible fat-containing product. 4,840,810, 6-20-89, Cl. 426-312.000.
- Bodor, Nicholas, to Schering Corporation. Physiological means of enhancing transdermal delivery of drugs. 4,824,676, 4-25-89, Cl. 424-449.000.
- Bodor, Nicholas; and Loftsson, Thorsteinn, to Key Pharmaceuticals, Inc. Percutaneous penetration enhancer of oleic acid and 2-ethyl-1,3-hexanediol. 4,885,174, 12-5-89, Cl. 424-449.000.
- Bodor, Nicholas: *See—*
  - Loftsson, Thorsteinn; and Bodor, Nicholas, 4,859,707, Cl. 514-625.000.
- Bodor, Nicholas S., to University of Florida. Brain-specific drug delivery. 4,824,850, 4-25-89, Cl. 514-270.000.

Bodor, Nicholas S., to University of Florida. Novel redox carriers for brain-specific drug delivery. 4,829,070, 5-9-89, Cl. 514-307.000.
Bodor, Nicholas S. Soft β-adrenergic blocking agents. 4,829,086, 5-9-89, Cl. 514-542.000.
Bodor, Nicholas S., to University of Florida. Brain-specific delivery of dopamine utilizing dihydropyridine/pyridinium salt-type redox carriers. 4,880,816, 11-14-89, Cl. 514-307.000.
Bodor, Nicholas S., to University of Florida. Brain-specific drug delivery. 4,880,921, 11-14-89, Cl. 540-110.000.
Bodor, Nicholas S., to University of Florida. Amino acids containing dihydropyridine ring systems for site-specific delivery of peptides to the brain. 4,888,427, 12-19-89, Cl. 546-316.000.
Bodor, Nicholas S.: *See—*
  Anderson, Wesley R., Jr.; Bodor, Nicholas S.; and Simpkins, James W., 4,863,911, Cl. 514-176.000.
  Stacpoole, Peter W.; and Bodor, Nicholas S., 4,801,597, Cl. 514-332.000.
Bodor, Zoltan: *See—*
  Dokuzovic, Zdravko; Bodor, Zoltan; Lewis, Ramola; and Kostantelou, Costantina, 4,804,543, Cl. 426-3.000.
  Dokuzovic, Zdravko; and Bodor, Zoltan, 4,822,622, Cl. 426-5.000.
  Dokuzovic, Zdravko; Bodor, Zoltan; Lewis, Ramola; and Kostantelou, Costantina, 4,842,870, Cl. 426-3.000.
  Glass, Michael; Hoholick, Joseph; Malinowski, Eva K.; Dokuzovic, Zdravko; and Bodor, Zoltan, 4,822,621, Cl. 426-5.000.
Bodrogi, Steven I., to Imperial Wallcoverings, Inc. Wall covering with fluorocarbon stain resistant top coating. 4,804,572, 2-14-89, Cl. 428-195.000.
Bodson, Guy: *See—*
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Bodwell, James R.: *See—*
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Bodzian, Gerd; and Wieland, Heinz, to Wilhelm Gebhardt GmbH. Fan unit and a method of manufacturing the guide vanes of such a unit. 4,828,456, 5-9-89, Cl. 415-211.100.
Bodziuch, Stanislaw: *See—*
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Boe, Einar, to Norsk Hydro a.s. Transportation container for fluid/gas samples. 4,846,364, 7-11-89, Cl. 220-5.00A.
Boe, Einar, to Norsk Hydro a.s. Hydraulic operated underreamer. 4,889,197, 12-26-89, Cl. 175-267.000.
Boe, Thomas E.; and Sweet, Richard L., to Deere & Company. Hitch control system with start-up lock-out. 4,837,691, 6-6-89, Cl. 364-424.050.
Boebel, Manfred; and Hiltebrandt, Siegfried, to Richard Wolf, GmbH. Instrument for guiding a laser light transmitting fiber. 4,881,524, 11-21-89, Cl. 128-6.000.
Boebel, Manfred: *See—*
  Buess, Gerhard; Boebel, Manfred; and Hiltebrandt, Siegfried, 4,858,595, Cl. 128-6.000.
Boeck, Robert F., to Medical Engineering Corp. Method and device for stimulating an erection. 4,829,991, 5-16-89, Cl. 128-79.000.
Boeckeler, Rudolph H., to Freeman Chemical Corporation. In-mold scratch resistant coating for peroxide curable urethane elastomers. 4,800,123, 1-24-89, Cl. 428-424.200.
Boecker, Juergen: *See—*
  Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.000.
Boecker, Wolfgang D. G.; and Hailey, Laurence N., to Stemcor Corporation. Silicon carbide-to-metal joint and method of making same. 4,871,108, 10-3-89, Cl. 228-122.000.
Boeckmann, Hugo, to Zip-Pak Incorporated. Zippered film feed. 4,840,012, 6-20-89, Cl. 53-410.000.
Boeckmann, Hugo; and Van Erden, Donald, to Illinois Tool Works Inc. Wide carrier tape. 4,844,258, 7-4-89, Cl. 206-328.000.
Boeckmann, Hugo, to Minigrip, Inc. Method of and means for applying reclosable fasteners to plastic film. 4,844,759, 7-4-89, Cl. 156-66.000.
Boeckmann, Hugo; and Van Erden, Donald L., to Minigrip, Inc. Easy open bag structure. 4,846,585, 7-11-89, Cl. 383-5.000.
Boeckmann, Hugo, to Zip-Pak Incorporated. Stretcher for package forming. 4,869,048, 9-26-89, Cl. 53-451.000.
Boede, Robert H., to Brunswick Corporation. Stowable pull handle for electric trolling motor support apparatus. 4,875,656, 10-24-89, Cl. 248-642.000.
Boedecker, Manfred; Benecke, Thomas; Krucke, Werner; and Baumeister, Willi, to Kali-Chemie Aktiengesellschaft. Stabilization of chlorofluoroalkanes. 4,883,913, 11-28-89, Cl. 564-2.000.
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  Schossler, Werner; Boeden, Hans-Friedrich; Holtzhauer, Martin; Loth, Fritz; Hiepe, Falk; Bertram, Dieter; Mielke, Frank; Muller, Reinhard; and Konjuchowa, Dagmar, 4,822,681, Cl. 428-405.000.
Boegesoe, Klaus P.; and Perregaard, Jens K., to H. Lundbeck A/S. CNS affecting 5-oxy-3-aminomethyl-dihydro-benzofurans and benzothiophenes. 4,847,254, 7-11-89, Cl. 514-256.000.
Boegh-Petersen, Allan. Connector assembly for a circuit board testing machine, a circuit board testing machine, and a method of testing a circuit board by means of a circuit board testing machine. 4,833,402, 5-23-89, Cl. 324-158.00F.
Boegli, Peter; and Buser, Jorg, to JD-Technologie AG. Control system for driving and steering driverless transport devices. 4,800,977, 1-31-89, Cl. 180-168.000.

Boeglin, Herman J.: *See—*
  Tressler, Richard E.; and Boeglin, Herman J., 4,798,764, C 428-312.600.
Boehler Ges.m.b.H.: *See—*
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  Taubitz, Christof; Gausepohl, Hermann; and Boehlke, Kla 4,866,114, Cl. 524-100.000.
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  Deusser, Peter G.; Boehm, Detlef M.; Eiden, Karl W.; and Becke Johann A., 4,859,020, Cl. 350-96.200.
  Deusser, Peter G.; Boehm, Detlef M.; and Becker, Johann A. 4,886,336, Cl. 350-96.200.
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  Friebe, Walter-Gunar; Mertens, Alfred; Strein, Klaus; and Boeh Erwin, 4,863,945, Cl. 514-393.000.
Boehm, Russell W.; Guinn, Rex A.; and Koerner, Hans J., to International Business Machines Corporation. Method and apparatus for th injection molding of circuit boards. 4,861,534, 8-29-89, C 264-102.000.
Boehm, Wolfgang; Hausselt, Juergen; Weise, Wolfgang; and Maliko sik, Willi, to Degussa Aktiengesellschaft. Soft-solder alloy for bra ing ceramic articles. 4,797,328, 1-10-89, Cl. 428-621.000.
Boehme, Georg; Hofen, Willi; Grund, Andreas; Petsch, Heinrich a Prescher, Guenter, to Degussa Aktiengesellschaft. Process for th preparation of a cycloaliphatic diepoxide. 4,849,532, 7-18-89, C 549-525.000.
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Boehmer, Dennis A.; and Edwards, Floyd V., to Vernay Laboratori Inc. Valve stem seal. 4,811,704, 3-14-89, Cl. 123-188.00P.
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Boehmer, Gabrielle: *See—*
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  Chia, Han-Lie; Popescu, Horia; and Boehmer, Gabrielle, 4,873,0 Cl. 424-1.100.
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Boehringer Biochemia Robin S.p.A.: *See—*
  Di Domenico, Roberto; Castoldi, Daniele; Spinelli, Silvano; To netti, Odoardo; Tognella, Sergio; and Gandolfi, Carmelo A. 4,849,437, Cl. 514-365.000.
  Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoard Russo, Raimondo; and Tognella, Sergio, 4,798,896, C 548-146.000.
  Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; To netti, Odoardo; and Tognella, Sergio, 4,839,348, Cl. 514-89.0
  Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; To netti, Odoardo; Menta, Ernesto; and Tognella, Sergio, 4,845,1 Cl. 514-356.000.
  Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoard Russo, Raimondo; and Tognella, Sergio, 4,857,643, C 544-121.000.
  Iaccheri, Ennio; and Piro, Paola, 4,842,995, Cl. 435-5.000.
  Tognella, Sergio; Tedeschi, Michele; Assereto, Roberto; Tofan Odoardo; and Cavalletti, Ennio, 4,871,528, Cl. 424-10.000.
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  Brantl, Victor, 4,851,408, Cl. 514-215.000.
  Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rud Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mier Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,066, C 514-367.000.
  Kladders, Heinrich, 4,[illegible]9,114, Cl. 128-203.150.
  Lehr, Erich; Bechtel, Wolf-Dietrich; Boke-Kuhn, Karin; Sch der, Claus; Walther, Gerhard; and Weber, Karl-Heinz, 4,812,4 Cl. 514-255.000.
  Rauber, Gerhard; and Stechert, Roland, 4,861,784, Cl. 514-314.
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  Schnorrenberg, Gerd; Roos, Otto; Losel, Walter; Wiedemann, Ingrid; Gaida, Wolfram; and Hoefke, Wolfgang, 4,826,855, Cl. 514-301.000.
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  Weber, Karl-Heinz; Walther, Gerhard; Schneider, Claus; Hinzen, Dieter; Kuhn, Franz J.; and Lehr, Erich, 4,833,140, Cl. 514-343.000.
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Boehringer, John R.; Nelson, Jay B.; and Karpowicz, John, to Boehringer Laboratories. Pneumotach and components therefore and combined pulmonary function measuring kit containing the same. 4,807,641, 2-28-89, Cl. 128-725.000.
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  Bolesky, Richard C., 4,822,366, Cl. 623-20.000.
  Collier, John P., 4,822,368, Cl. 623-22.000.
  Engelhardt, John A.; and Tarr, Richard R., 4,805,607, Cl. 128-92.0YZ.
  Herpichboehm, Bernd G.; Sierra, George H.; Summers, Robert B.; and Watlington, Thomas M., 4,871,258, Cl. 356-422.000.
  Smith, Todd S., 4,808,186, Cl. 623-23.000.
  Van Zile, Richard R., 4,834,081, Cl. 128-92.0VT.
  Watlington, Thomas M., IV, 4,797,256, Cl. 422-58.000.
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  Baier, Manfred; Kaspar, Klaus P.; Schafer, Rainer; Trager, Ulrich; and Notzel, Siegfried, 4,803,171, Cl. 436-530.000.
  Bartl, Knut; Lill, Helmut; and Wielinger, Hans, 4,861,712, Cl. 435-13.000.
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  Bohm, Erwin; Holck, Jens-Peter; Kampe, Wolfgang; Leinert, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,880,805, Cl. 514-237.500.
  Bosies, Elmar; Endele, Richard; and Pahlke, Wulf, 4,826,858, Cl. 514-340.000.
  Brown, Nigel L.; and Walsby, Anthony E., 4,871,664, Cl. 435-91.000.
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  Demmer, Fritz; and Stemmle, Berthold, 4,859,472, Cl. 424-489.000.
  Demmer, Fritz; Gruber, Werner; and Woog, Heinrich, 4,861,786, Cl. 514-347.000.
  Deneke, Ulfert; Nagel, Rolf; Rothe, Anselm; and Freitag, Helmut, 4,876,067, Cl. 422-56.000.
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  Friebe, Walter-Gunar; and Wilhelms, Otto-Henning, 4,853,386, Cl. 514-266.000.
  Friebe, Walter-Gunar; Mertens, Alfred; Strein, Klaus; and Boehm, Erwin, 4,863,945, Cl. 514-393.000.
  Geisler, Edda; Feuerstein, Helmut; and Lange, Hans, 4,847,196, Cl. 435-26.000.
  Gerber, Martin; and Naujoks, Kurt W., 4,863,728, Cl. 424-85.800.
  Grosskopf, Rudiger; and Kessler, Christoph, 4,840,901, Cl. 435-91.000.
  Grosskopf, Rudiger; and Kessler, Christoph, 4,863,858, Cl. 435-91.000.
  Haar, Hans-Peter; Edelmann, Hermann; Herrmann, Horst; and Thiery, Joachim, 4,838,999, Cl. 204-1.00T.
  Hallermayer, Klaus; Looser, Siegfrid; and Katus, Hugo, 4,879,216, Cl. 435-7.000.
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  Herpichbohm, Bernd, 4,852,025, Cl. 364-551.010.
  Herrmann, Uwe, 4,820,633, Cl. 435-7.000.
  Kaspar, Klaus P., 4,880,731, Cl. 435-7.000.
  Kearns, Michael J.; and Comer, Michael J., 4,840,905, Cl. 435-240.250.
  Kerscher, Lorenz; Siedel, Joachim; Ziegenhorn, Joachim; and Pautz, Brigitte, 4,851,335, Cl. 435-11.000.
  Krieg, Aloisius; Huger, Alois M.; and Schnetter, Wolfgang, 4,851,340, Cl. 435-68.000.
  Krieg, Aloisius; Huger, Alois; and Schnetter, Wolfgang, 4,889,918, Cl. 530-350.000.
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  Maier, Josef; Gloger, Manfred; Hoerschelmann, Detlef V.; Strejcek, Jan; and Heimerl, Sebastian, 4,857,462, Cl. 435-197.000.

  Martens, Alfred; Holck, Jens-Peter; Berger, Herbert; Muller-Beckman, Bernd; Strein, Klaus; and Roesch, Egon, 4,835,280, Cl. 548-127.000.
  Mayr, Ulrich; Mollering, Hans; Siedel, Joachim; and Seidel, Hans, 4,845,029, Cl. 435-18.000.
  Mertens, Alfred; Holck, Jens-Peter; Kampe, Wolfgang; Muller-Beckmann, Bernd; Strein, Klaus; and Schaumann, Wolfgang, 4,810,801, Cl. 548-411.000.
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  Mertens, Alfred; von der Saal, Wolfgang; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,847,251, Cl. 514-247.000.
  Mertens, Alfred; von der Saal, Wolfgang; Friebe, Walter-Gunar; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,851,406, Cl. 514-212.000.
  Mertens, Alfred; von der Saal, Wolfgang; Berger, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,874,756, Cl. 514-212.000.
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  Rauscher, Elli; Schaich, Eugen; Neumann, Ulrich; Wahlefeld, August; Gruber, Wolfgang; and Empl, Bernhard, 4,818,692, Cl. 435-18.000.
  Rothe, Anselm; Knappe, Wolfgang-Reinhold; and Trasch, Heinz-Friedrich, 4,820,489, Cl. 422-56.000.
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  Schafer, Rainer; Jering, Helmut; and Mangold, Dieter, 4,820,644, Cl. 436-518.000.
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  Schumacher, Gunter; Buckel, Peter; and Beaucamp, Klaus, 4,861,717, Cl. 435-172.300.
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  Simon, Herbert; Michel, Helmut; Friebe, Walter-Gunar; and Bartsch, Wolfgang, 4,801,596, Cl. 514-327.000.
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  Vogel, Peter; Braun, Hans-Peter; Berger, Dieter; and Werner, Wolfgang, 4,816,224, Cl. 422-55.000.
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  von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,835,167, Cl. 514-359.000.
  von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,870,077, Cl. 514-254.000.
  von der Saal, Wolfgang; Holck, Jens-Peter; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,882,342, Cl. 514-338.000.
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  Kuhn, Siegfried; and Kreher, Peter-Jurgen, 4,812,057, Cl. 384-42.000.
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  Allan, Arthur R.; and King, David W., 4,850,458, Cl. 188-134.000.
  Allen, Richard M., 4,817,422, Cl. 73-147.000.
  Amberg, Robert L.; and Valaas, Andrew M., 4,822,113, Cl. 303-100.000.
  Andersson, Anders O., 4,808,863, Cl. 310-51.000.
  Andrews, George S.; Lamberty, Bernard J.; and Tracy, Daniel J., 4,862,185, Cl. 343-761.000.
  Appleford, Lyle R., 4,862,372, Cl. 364-433.000.
  Argyle, Sidney C., deceased, 4,795,245, Cl. 350-442.000.
  Aspelin, David J., 4,825,151, Cl. 324-73.00R.
  Badger, Douglas V.; Small, Billy L.; and Stanfeld, Philip K., 4,822,412, Cl. 75-63.000.
  Baker, Edwin T.; Neilson, George V.; and Stumpf, George R., Jr., 4,861,406, Cl. 156-230.000.
  Balisky, Todd A., 4,820,278, Cl. 604-218.000.
  Ball, Edward R., 4,876,515, Cl. 324-538.000.
  Bannink, Engbert T., Jr., 4,867,822, Cl. 156-153.000.
  Bartlett, Ted L.; and Eaton, Mervin E., 4,833,338, Cl. 307-17.000.
  Barton, John R.; Reiss, Amy C.; and Silverman, Sidney W., 4,832,755, Cl. 136-251.000.
  Baukol, David E.; Bod, Dennis L.; and Mittelstadt, Robert F., 4,804,265, Cl. 356-152.000.
  Beach, Robert E., 4,827,567, Cl. 16-114.00R.

Beockel, Peter C., 4,870,267, Cl. 250-222.100.
Bendig, Anna L.; and McLaren, Douglas, 4,849,276, Cl. 428-117.000.
Bernier, Coral A.; and Swanson, Douglas E., 4,871,131, Cl. 244-122.0AG.
Blackmore, B. Brian, 4,807,349, Cl. 29-426.500.
Blakely, Lawrence A.; Boyer, Rodney R.; and Dalzell, Lawrence B., 4,848,934, Cl. 384-206.000.
Blight, James D.; and Gangsaas, Dagfinn, 4,849,900, Cl. 364-434.000.
Bloch, Joseph T.; and Johnstone, Todd N., 4,825,184, Cl. 336-20.000.
Bolang, Per A.; and Parkes, Hugh R., 4,863,122, Cl. 244-221.000.
Boob, Douglas L.; and Wagner, David L., 4,830,547, Cl. 406-74.000.
Brick, Rowan O., 4,824,713, Cl. 428-144.000.
Buchacher, Daniel A., 4,801,496, Cl. 428-285.000.
Buckwitz, Richard J.; and Walter, Alfred E., Jr., 4,854,147, Cl. 72-7.000.
Buttermore, Alun L.; and Harder, Mark T., 4,836,875, Cl. 156-231.000.
Bye, Jeffrey C.; and Gabriel, Mark F., 4,818,154, Cl. 408-111.000.
Carr, James R.; and Sarr, Dennis P., 4,814,703, Cl. 324-207.000.
Cavin, Michael G.; Binford, Robert N.; and Halphide, Kenneth, 4,816,102, Cl. 156-222.000.
Chakravarty, Abhijit J. M.; Gangsaas, Dagfinn; and Moore, John B., 4,879,643, Cl. 364-148.000.
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Chee, Wan T., 4,854,525, Cl. 244-54.000.
Cheung, Kwun-Wing W., 4,811,590, Cl. 72-482.000.
Christensen, Stephen; and Hartz, Dale E., 4,869,770, Cl. 156-286.000.
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Coe, Richard J.; and Morse, Margaret S., 4,812,855, Cl. 343-818.000.
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Cologna, Rudy L.; and Eng, Melvin D., 4,820,564, Cl. 428-63.000.
Connor, Michael J., 4,875,692, Cl. 277-212.0FB.
Cook, James E.; Kennedy, James C.; and Young, Fred D., 4,807,476, Cl. 73-620.000.
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Courter, Jack P., 4,875,645, Cl. 244-137.100.
Covey, James H., 4,839,771, Cl. 361-218.000.
Covey, James H., 4,866,839, Cl. 29-825.000.
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Crudden, Eric H.; and Kay, John, 4,827,248, Cl. 340-686.000.
Curtis, R. Eugene; Narayanan, G. Hari; and Quist, William E., 4,840,682, Cl. 148-12.70A.
d'Almada Remedios, Miguel A.; and Riedinger, Thomas R., 4,836,602, Cl. 297-191.000.
Das, K. Bhagwan, 4,797,155, Cl. 75-229.000.
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Dodds, John J., 4,824,513, Cl. 156-382.000.
Doneen, Patrick M., 4,842,357, Cl. 350-96.120.
Edwards, Frank E.; and Wilcken, Stephen W., 4,889,425, Cl. 356-152.000.
Falk, R. A.; and Capps, C. D., 4,797,843, Cl. 364-713.000.
Falk, R. Aaron; and Coleman, Jeffrey O., 4,860,279, Cl. 370-1.000.
Falk, Robert A., 4,806,018, Cl. 356-446.000.
Farquhar, Bannister W.; and Sokhey, Jagdish S., 4,819,425, Cl. 60-226.100.
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Foote, Eugene B., 4,798,051, Cl. 60-527.000.
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Frey, Luther R., 4,826,420, Cl. 425-394.000.
Friebel, Gottfried O., 4,828,204, Cl. 244-15.000.
Fuller, Robert L., Jr., 4,821,463, Cl. 51-215.00H.
Fuller, Robert L., Jr., 4,837,983, Cl. 51-215.0AR.
Gabriel, Mark F.; Sykes, Walter D.; and Bye, Jeffrey C., 4,813,911, Cl. 464-173.000.
Gangsaas, Dagfinn; and Norman, Daniel C., 4,821,981, Cl. 244-76.00C.
Gawne, Dennis M., 4,815,678, Cl. 244-109.000.
Gentile, Geoffrey E., 4,876,488, Cl. 315-378.000.
Gilbert, Dennis H., 4,875,372, Cl. 73-614.000.
Giles, Daniel N., 4,854,765, Cl. 403-30.000.
Goldhammer, Mark I., 4,815,680, Cl. 244-130.000.
Gottshall, R. Marc, 4,879,644, Cl. 364-167.010.
Graham, Donald A.; and Edmonds, Thomas E., 4,811,230, Cl. 364-428.000.
Graham, Wesley H.; Axter, Sven E.; and Lin, Fu-Shiong, 4,889,569, Cl. 148-130.000.
Gratzer, Louis B., 4,813,631, Cl. 244-35.00R.
Groves, Oliver J., 4,887,646, Cl. 138-90.000.
Gunn, Erwin T.; Bigler, John M.; and Hamill, Patrick J., 4,799,600, Cl. 220-1.500.
Gunn, Erwin T., 4,802,810, Cl. 414-414.000.
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Harris, William G.; and Silva, Douglas J., 4,842,844, C 423-657.000.
Harris, William G., 4,859,116, Cl. 405-52.000.
Harris, William G.; and Silva, Douglas J., 4,882,240, Cl. 429-17.00
Hatcher, G. Stephen, 4,797,635, Cl. 331-17.000.
Hebert, Michael R.; and Lauder, Arnold J., 4,797,172, C 156-425.000.
Heitzman, George D. L., III, 4,858,334, Cl. 33-673.000.
Herndon, Gerald F., 4,883,243, Cl. 244-122.00R.
Hersey, Devin W., 4,829,785, Cl. 62-467.000.
Herzog, Hans K., 4,823,364, Cl. 375-36.000.
Herzog, Hans K., 4,825,450, Cl. 375-17.000.
Hill, Robert V., 4,837,574, Cl. 342-27.000.
Hogan, Thomas J., Jr.; Kasprick, Jon J.; Anderson, Donald R.; an Kersh, Douglas W., 4,841,456, Cl. 364-550.000.
Horstman, Raymond H., 4,819,548, Cl. 98-1.000.
Howard, Bruce S., 4,847,552, Cl. 324-67.000.
Hsu, Grace F.; and Colonel, Richard C., 4,818,632, Cl. 428-613.00
Huggins, Raymond W., 4,799,797, Cl. 356-345.000.
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Huggins, Raymond W., 4,849,624, Cl. 250-226.000.
Huggins, Raymond W.; and Falk, Robert A., 4,866,698, C 370-1.000.
Jack, Milton R.; and Woods, Quentin T., 4,850,763, Cl. 409-178.00
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Jacot, A. Dean; Hamilton, Brian J.; Cunningham, David C.; an Davis, L. Porter, 4,848,525, Cl. 188-378.000.
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Jones, Everett E., 4,802,357, Cl. 72-389.000.
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Jurich, Umberto, 4,807,434, Cl. 6 -226.200.
Kennedy, James C.; Lankelis, William M.; Puckett, Edward L.; an Young, Fred D., 4,848,159, Cl. 73-641.000.
King, Ethmer W.; Kircher, Robert C., Jr.; and Yotsuuye, David S 4,825,374, Cl. 364-433.000.
Klees, Garry W., 4,802,629, Cl. 239-265.190.
Knoll, Frederick L., 4,859,267, Cl. 156-273.700.
Konicke, Michael L.; Veitengruber, James E.; and Loesch, Jam G., 4,860,007, Cl. 340-173.000.
Koop, Rodney D.; Lobb, Thomas A.; and Martin, Richard L., 4,795,713, Cl. 436-175.000.
Kraft, Kurt R., 4,884,772, Cl. 244-199.000.
Krinsky, Jeffrey A.; and Falk, Robert A., 4,859,015, Cl. 350-96.1
Ladd, Michael M., 4,858,678, Cl. 165-32.000.
Lamberty, Bernard J.; and Oh, Luis L., 4,870,426, Cl. 343-727.00
Lamberty, Bernard J.; and Peters, Steven J., 4,885,556, Cl. 33 21.00A.
Large, David T., 4,887,779, Cl. 244-1.00R.
Lata, Walter J.; and Trupiano, Michael S., 4,853,888, C 364-900.000.
Le, Linh T., 4,826,110, Cl. 244-194.000.
Leavens, William M.; Zentner, Ronald C.; and Stonecipher Charles H., 4,866,276, Cl. 250-341.000.
Lewis, George E., 4,796,192, Cl. 364-463.000.
Lomax, Christopher P. J., 4,838,902, Cl. 55-96.000.
Lubowitz, Hyman R.; and Sheppard, Clyde H., 4,847,221, C 525-432.000.
Lubowitz, Hyman R.; and Sheppard, Clyde H., 4,851,501, C 528-170.000.
Lubowitz, Hyman R.; Sheppard, Clyde H.; and Stephenson, Ronald R., 4,868,270, Cl. 528-170.000.
Lubowitz, Hyman R.; and Sheppard, Clyde H., 4,871,475, C 252-500.000.
Lubowitz, Hyman R.; and Sheppard, Clyde H., 4,876,328, C 528-322.000.
Mangiarotty, Rudolph A., 4,802,642, Cl. 244-200.000.
Maraghe, Alex; and Puncoch, Miloslav, 4,854,010, Cl. 16-360.00
McArdle, Francis H.; Schneider, Earl; and DeRosa, Richard T 4,795,310, Cl. 416-134.00A.
McArdle, Francis H.; and Schneider, Earl, 4,868,962, Cl. 3 156.80R.
McCafferty, Hugh A., 4,886,419, Cl. 416-134.00A.
McCowin, Peter D.; and Meredith, Brent R., 4,877,471, C 156-181.000.
McCowin, Peter D.; and Nelson, Paul E., 4,886,442, C 425-388.000.
McFadden, Russell E.; and Shure, Charles H., III, 4,860,976, C 244-207.000.
McGrady, Michael B., 4,799,476, Cl. 128-202.110.
McGrady, Michael B.; Huber, James M.; Herndon, Gerald F Sielaff, Stephen F.; and Shearer, Jerry T., 4,826,247, C 297-314.000.
McNay, Curtis E., 4,858,850, Cl. 244-1.00R.
Middleton, Robin, 4,814,764, Cl. 340-967.000.
Momenthy, Albert M., 4,809,174, Cl. 364-424.010.
Motiwala, Mohammad I., 4,877,138, Cl. 209-601.000.
Nadkarni, Arun A.; and Richardson, Thomas M., 4,825,375, C 364-435.000.
Nakamura, Gary D.; and Stephenson, Jerry D., 4,880,050, C 165-41.000.
Pace, James W., 4,848,034, Cl. 49-465.000.
Paige, Richard W., 4,810,136, Cl. 407-54.000.
Peters, Jerry W.; and Burnett, John L., 4,794,687, Cl. 29-559.000.
Pinson, George T., 4,796,833, Cl. 244-3.120.
Pinson, George T., 4,812,030, Cl. 350-620.000.
Pinson, George T., 4,837,451, Cl. 250-578.000.
Pinson, George T., 4,838,502, Cl. 244-49.000.
Pinson, George T., 4,860,968, Cl. 244-3.120.
Pinson, George T., 4,875,374, Cl. 73-663.000.
Pinson, George T., 4,886,562, Cl. 156-172.000.
Pinson, George T., 4,889,400, Cl. 350-96.300.
Pistoresi, Denis J., 4,845,718, Cl. 372-2.000.
Ralph, Harry C., 4,869,444, Cl. 244-104.0FP.
Rempt, Raymond D., 4,814,706, Cl. 324-244.000.
Riemer, Dietrich E., 4,817,524, Cl. 101-123.000.
Roberts, Robert M., 4,819,324, Cl. 29-771.000.
Rudolph, Peter K. C.; and Ostrom, Grazyna B., 4,817,382, Cl. 60-268.000.
Rumberger, William E., 4,838,831, Cl. 464-88.000.
Rumberger, William E., 4,849,152, Cl. 264-308.000.
Sarr, Dennis P., 4,799,167, Cl. 364-507.000.
Sarr, Dennis P., 4,799,168, Cl. 364-507.000.
Sarr, Dennis P., 4,799,177, Cl. 364-563.000.
Scollard, Cynthia M., 4,861,643, Cl. 428-162.000.
Scollard, Roderick W., 4,850,099, Cl. 29-563.000.
Shaull, Lawrence M., 4,854,015, Cl. 24-16.00R.
Shemeta, Paul J., 4,848,592, Cl. 221-211.000.
Shemeta, Paul J., 4,869,091, Cl. 72-393.000.
Sheppard, Clyde H.; and Lubowitz, Hyman R., 4,851,495, Cl. 528-170.000.
Shorey, Thomas H.; and Shorey, Mark W., 4,802,572, Cl. 198-791.000.
Slettebak, Richard J., 4,881,702, Cl. 244-118.600.
Sobhani, Seyd M.; and Smith, Raldon M., 4,877,972, Cl. 307-43.000.
Somerville, Gordon R.; and Thomas, D. Bruce, 4,864,509, Cl. 364-476.000.
Soreide, David C.; and Douglas, Gary D., 4,818,101, Cl. 356-28.500.
Stanbery, Billy J., 4,795,501, Cl. 136-249.000.
Stanbery, Billy J., 4,867,801, Cl. 136-249.000.
Stemmons, Duane G.; and Noonan, John P., 4,839,531, Cl. 307-17.000.
Sternberger, Joe E., 4,819,894, Cl. 244-137.400.
Takats, Imre J., 4,807,516, Cl. 91-363.00A.
Takats, Imre J.; and Aziz, George W., 4,887,214, Cl. 364-424.010.
Thompson, Douglas, 4,823,396, Cl. 382-8.000.
Trepus, George E., Jr.; Matin, Barry D.; and Rider, Preston L., 4,806,401, Cl. 428-36.100.
Trikha, Arun K., 4,846,421, Cl. 244-122.0AE.
Turner, C. Warren; Trammell, Larry L.; and Hametner, Albert L., 4,848,137, Cl. 73-1.00J.
Van Blunk, J. J., 4,830,298, Cl. 242-7.210.
Vermilye, Michael L., 4,852,805, Cl. 239-265.110.
Viall, Wilton S., Jr., 4,852,917, Cl. 285-353.000.
Walton, Thompson R., 4,834,619, Cl. 417-53.000.
Ward, Stephen H.; Monahan, John T.; and Giles, Daniel N., 4,815,383, Cl. 102-293.000.
Ward, William E.; and Gumm, Jack R., Jr., 4,849,913, Cl. 364-468.000.
Weaver, Gene R.; and Sternberger, Joe E., 4,850,774, Cl. 411-298.000.
Westerman, Everett A.; and Cohodas, Mark S., 4,858,853, Cl. 244-119.000.
Westerman, Everett A., Jr., 4,882,016, Cl. 204-15.000.
Wheat, Lawrence M., 4,853,555, Cl. 307-9.100.
Wiggins, Richard F., 4,880,101, Cl. 198-403.000.
Wilhelm, Earl E., 4,823,701, Cl. 102-492.000.
Wilhelm, Earl E., 4,848,239, Cl. 102-492.000.
Williams, Charles J.; and Coleman, Robert A., 4,816,097, Cl. 156-247.000.
Woodmansee, Wayne E., 4,862,748, Cl. 73-641.000.
Woods, Mark A., 4,828,159, Cl. 227-156.000.
Yeager, James F., 4,824,631, Cl. 264-552.000.
Zeeben, Joe P.; and Johnson, Paul E., 4,83_,911, Cl. 73-117.400.
Zentner, Ronald C., 4,830,588, Cl. 417-460.000.
Boeing Vertol Company: *See*—
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Boeke, Burkhard: *See*—
  Kruse, Wolfgang A.; and Boeke, Burkhard, 4,804,728, Cl. 526-209.000.
Boekhaus, Kenneth L.; and Voelz, Fred L., to Atlantic Richfield Company. Method for adapting an internal combustion piston engine to run at optimum compression ratios on a variety of fuels requiring different compression ratios. 4,884,530, 12-5-89, Cl. 123-1.00A.
Boen, Jerry D.: *See*—
  Fulton, David A.; and Boen, Jerry D., 4,796,403, Cl. 52-713.000.
Boen, Per, to A/S Sonnichsen Rorvalseverket. Method for extrusion of plastic tubes, and an apparatus for carrying out said method. 4,798,696, 1-17-89, Cl. 264-209.200.
Boen, Roger, to Commissariat a l'Energie Atomique. Induction furnace crucible. 4,873,698, 10-10-89, Cl. 373-156.000.
Boening, Bernward: *See*—
  Ishii, Akira; Maehara, Katsumi; Boening, Bernward; and Akakabe, Yoshifumi, 4,844,558, Cl. 303-119.000.
Boening, Robert E.: *See*—
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Boenning, Robert A., to Westinghouse Electric Corp. Test system for electronic devices with radio frequency signature extraction means. 4,815,077, 3-21-89, Cl. 371-25.000.
Boenning, Robert A.: *See*—
  Riedel, Ernest P.; and Boenning, Robert A., 4,812,037, Cl. 356-35.000.
Boer, Adriaan H.: *See*—
  Herremans, Pieter; Hoogendijk, Christiaan J.; Boer, Adriaan H.; and Van Bekkum, Aart J., 4,838,127, Cl. 73-861.280.
Boer, Jan, and Diepstraten, Wilhelmus J. M., to NCR Corporation. Multipoint data modem communication system. 4,817,114, 3-28-89, Cl. 375-8.000.
Boer, Jort, to N. V. Machinefabriek Terlet. Equipment for continuously coagulating milk preferably pre-acidified milk for preparing yoghurt. 4,800,809, 1-31-89, Cl. 99-453.000.
Boerner, Manfred; Mueller, Reinhard; and Trommer, Gert, to Siemens Aktiengesellschaft. Optical resonator matrix. 4,849,986, 7-18-89, Cl. 372-97.000.
Boero, Giancarlo: *See*—
  Visca, Mario; Boero, Giancarlo; and Lenti, Daria, 4,798,854, Cl. 523-334.000.
Boero, Paolo: *See*—
  Gunner, Colin; and Boero, Paolo, 4,807,958, Cl. 350-96.210.
Boertzel, Martin; Ludwig, Reinhold; Schmits, Wilhelm; and Weiss, Ulrich, to International Business Machines Corporation. Power regulator with overcurrent protection. 4,855,858, 8-8-89, Cl. 361-18.000.
Boes, David J.; and Zottola, Gene, to Westinghouse Electric Corp. Reactor coolant pump sealing surfaces with titanium nitride coating. 4,871,297, 10-3-89, Cl. 415-170.100.
Boes, Roger T. Fiberglass fence post or column structure. 4,858,891, 8-22-89, Cl. 256-19.000.
Boesch, Richard: *See*—
  Odoni, Walter; and Boesch, Richard, 4,871,033, Cl. 173-12.000.
Boesch, Ronald D.: *See*—
  Franke, Steven J.; Boesch, Ronald D.; and Magin, Richard L., 4,859,972, Cl. 333-164.000.
Boese, Gerald J.: *See*—
  Stolarczyk, Larry G.; Smoker, Kurt A.; Boese, Gerald J.; Mondt, William E.; Hasenack, Marvin L., Jr.; Zappanti, James L.; Smith, Seth A.; and Moore, Edward D., 4,879,755, Cl. 455-3.000.
Boesenberg, Heinz; Mildenberger, Hilmar; Bauer, Klaus; and Bieringer, Hermann, to Hoechst Aktiengesellschaft. Benzoxazolyl- and benzothiazolyl-amino acids, their preparation and their use in plant protection. 4,814,459, 3-21-89, Cl. 548-161.000.
Boeshart, Patrick E. Concrete forming system. 4,889,310, 12-26-89, Cl. 240-41.000.
Boesten, Wilhelmus H. J.; and Peters, Peter J. H., to Stamicarbon B.V. Optically active substituted butyramide, and process for the optical separation of substituted butyramide. 4,812,403, 3-14-89, Cl. 435-115.000.
Boesten, Wilhelmus H. J.; and Dassen, Bernardus H. N., to Stamicarbon B.V. Process for the preparation of aspartylphenylalanine methyl ester from N-formylaspartylphenylalanine methyl ester. 4,831,181, 5-16-89, Cl. 560-41.000.
Boesten, Wilhelmus H. J.; Schoemaker, Hans E.; and Dassen, Bernardus H. N., to Stamicarbon B.V. Process for racemizing an optically active N-benzylidene amino-acid amide. 4,847,412, 7-11-89, Cl. 564-164.000.
Boesten, Wilhelmus H. J.: *See*—
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Boethius, Gert J.: *See*—
  Wiksell, Hans O. T.; and Boethius, Gert J., 4,846,196, Cl. 128-784.000.
Boettcher, Andreas; Bronstert, Bernd; and Hoffmann, Gerhard, to BASF Aktiengesellschaft. Photopolymerizable recording material, in particular for the production of printing plates and relief plates. 4,868,091, 9-19-89, Cl. 430-281.000.
Boettcher, Andreas; Fischer, Martin; Aldag, Reinhard; and Bluemel, Thomas, to BASF Aktiengesellschaft. Photopolymerizable recording materials and photoresist layers and lithographic printing plates based thereon. 4,886,735, 12-12-89, Cl. 430-332.000.
Boettcher, Andreas: *See*—
  Schwalm, Reinhold; Boettcher, Andreas; and Binder, Horst, 4,883,740, Cl. 430-270.000.
Boettcher, Jeffery J.: *See*—
  Allan, John L.; Boettcher, Jeffery J.; Gaylord, Norman G.; and Katz, Leon, 4,873,273, Cl. 523-407.000.
Boettcher, Klaus: *See*—
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Boettcher, Martin: *See*—
  Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, 4,845,459, Cl. 335-195.000.
  Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, 4,845,460, Cl. 335-201.000.
Boettger, Guenter: *See*—
  Bayer, Robert; Boettger, Guenter; Hiller, Rainer; Huber, Michael; Koernig, Wolfgang; and Fritz, Wolfgang, 4,820,532, Cl. 426-74.000.
Boettinger, Paul W. Light pole planter device. 4,847,741, 7-11-89, Cl. 362-431.000.

Boeykens, Eduard C. M.: *See—*
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Boffardi, Bennett P.; and Rey, Susan P., to Calgon Corporation. Method for controlling corrosion using molybdate compositions. 4,798,683, 1-17-89, Cl. 252-389.540.

Bofinger, Klaus: *See—*
Krause, Joachim; Eidenschink, Rudolf; Bofinger, Klaus; Scheuble, Bernhard; and Geelhaar, Thomas, 4,834,904, Cl. 252-299.010.
Tornare, Jean; and Bofinger, Klaus, 4,881,493, Cl. 123-41.310.

Bogacki, Anthony, to Digital Equipment Corporation. Horizontal line processor of data to be printed dot sequentially. 4,825,386, 4-25-89, Cl. 364-518.000.

Bogacz, Joseph: *See—*
Freda, Gerald; Bogacz, Joseph; Freda, Joseph; and Olson, Dennis, 4,800,094, Cl. 426-513.000.

Bogacz, Slawomir A.: *See—*
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Bogaerts, Leo C.; Murphy, John W.; and Norman, John S., to Ammco Tools, Inc. Tool bar assembly. 4,867,021, 9-19-89, Cl. 82-112.000.

Bogan, Gary W.; and Moncerat, Georgia A., to Dow Chemical Company, The. Flame resistant polyaromatic cyanate resins with improved thermal stability. 4,806,625, 2-21-89, Cl. 528-422.000.

Bogar, Bela. Clip and spacer for reinforcing rods. 4,854,106, 8-8-89, Cl. 52-719.000.

Bogar, Earl M., Jr. Fishing rod holder. 4,871,099, 10-3-89, Cl. 224-42.45R.

Bogar, Jerry H.; and Forney, Edgar W., to AMP Incorporated. Phase shifter. 4,824,399, 4-25-89, Cl. 439-578.000.

Bogar, Jerry H., Cassel, Willard F., Jr.; Mummey, Dale B.; Oberman, Carl D.; and Summers, Donald J., to AMP Incorporated. Right-angle coaxial plug connector. 4,861,271, 8-29-89, Cl. 439-63.000.

Bogard, Donald E. Pick-up truck tonneau cover. 4,861,092, 8-29-89, Cl. 296-100.000.

Bogard, Ralph B.: *See—*
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Bogardus, Joseph B.: *See—*
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Nassar, Munir N.; Agharkar, Shreeram N.; and Bogardus, Joseph B., 4,882,356, Cl. 514-619.000.

Bogart, Larry; Hipkins, James J.; and Smith, Morris L., to Scott Paper Company. Chemically treated paper products - towel and tissue. 4,882,221, 11-21-89, Cl. 428-308.800.

Bogart, Larry; Hipkins, James J.; and Smith, Morris L., to Scott Paper Company. Chemically treated paper products—towel and tissue. 4,883,475, 11-28-89, Cl. 604-290.000.

Bogart, Mark. Method for assessing placental dysfunction. 4,874,693, 10-17-89, Cl. 435-7.000.

Bogart, Robert W.: *See—*
Bishop, Gerald L., Jr.; Bogart, Robert W.; and Kader, Lawrence L., 4,827,136, Cl. 250-484.100.

Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwartz, Thomas A.; and Townsend, Wesley P., to American Telephone and Telegraph Company; American Telephone and Telegraph Company, AT&T Technologies, Inc.; American Telephone and Telegraph Company, AT&T Information Systems Inc.; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Compliant overlay for use as an optically-based touch-sensitive screen. 4,816,811, 3-28-89, Cl. 340-712.000.

Bogaty, Robert D., to Tretorn AB. Athletic shoe. 4,878,300, 11-7-89, Cl. 36-35.00R.

Bogatzki, Hans-Ulrich, to Elpatronic AG. Apparatus for checking hollow glass containers. 4,798,096, 1-17-89, Cl. 73-12.000.

Bogatzki, Hans-Ulrich; and Kramer, Felix, to Elpatronic AG. Inspection machine for plastic bottles. 4,852,415, 8-1-89, Cl. 73-865.800.

Bogdanffy, George H.: *See—*
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Bogdanor, James M.: *See—*
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Bogdanov, Nikolai S.: *See—*
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Bogdanov, Vasily S.; Netesin, Alexandr D.; Miroshnichenko, Ivan I.; Bogdanov, Nikolai S.; Khlusov, Vladimir B.; Platonov, Viktor S.; and Shevchenko, Ivan N. Ball tube mill. 4,867,322, 9-19-89, Cl. 241-72.000.

Bogdanovic, Bogdan, to Ha Rubber and Plastics (Pty) Ltd. Contact seal. 4,869,514, 9-26-89, Cl. 277-152.000.

Bogdanovic, Borislav, to Studiengesellschaft Kohle mbH. Method of preparing active magnesium-hydride of magnesium hydrogen-storer systems. 4,798,718, 1-17-89, Cl. 423-647.000.

Bogdanovic, Borislav; and Wilczok, Ursula, to Studiengesellscha Kohle mbH. Process for preparing intermetallic compounds or hydrides thereof. 4,828,606, 5-9-89, Cl. 75-0.50A.

Bogdanovic, Borislav; Ritter, Alfred; and Spliethoff, Bernd, to Studiengesellschaft Kohle mbH. Method of and device for storing and transforming heat and generating cold. 4,829,772, 5-16-89, Cl. 62-48.10

Bogdanovic, Borislav; and Schwickardi, Manfred, to Studiengesellschaft Kohle mbH. Process for preparing halogen magnesium alanate and use thereof. 4,832,934, 5-23-89, Cl. 423-463.000.

Bogdanski, Michael, to Nixdorf Computer AG. Cleaning cassette with an internal drive motor. 4,803,583, 2-7-89, Cl. 360-128.000.

Bogdany, Laszlo: *See—*
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Bogdany nee Forgacs, Olga: *See—*
Dede, Laszlo; Dede nee Pal, Maria; Bogdany, Laszlo; and Bogdany nee Forgacs, Olga, 4,863,897, Cl. 514-6.000.

Boge AG: *See—*
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Knecht, Heinz; and Preukschat, Alfred, 4,850,460, Cl. 188-299.0
Knecht, Heinz; and Ackermann, Norbert, 4,880,086, Cl. 188-299.000.

Boge, Ferdinand. Bellows for protecting knuckle joints. 4,878,8 11-7-89, Cl. 74-18.100.

Bogemann, Arnoldus B. M.: *See—*
Van Lierop, Joseph G.; Bogemann, Arnoldus B. M.; Felder, Wi J. B.; and Huizing, Albert, 4,806,328, Cl. 423-338.000.

Bogen, Daniel; and Gupta, Krishanu, to University of Pennsylvania Trustees of the. Measurement of the end-systolic pressure-volume relation using intraaortic balloon occlusion. 4,877,035, 10-31-89, C 128-673.060.

Bogen, Steven A. Apparatus for immunohistochemical staining and method of rinsing a plurality of slides. 4,847,208, 7-11-89, C 436-174.000.

Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, t Licentia Patent-Verwaltungs-GmbH. Process for metal-plating ceramic surfaces. 4,812,202, 3-14-89, Cl. 156-628.000.

Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, t Licentia Patent-Verwaltungs-GmbH. Process for chemically metallizing an inorganic substrate. 4,832,988, 5-23-89, Cl. 427-305.000.

Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, t Licentia Patent-Verwaltungs-GmbH. Process for metal-plating a electrically poorly conducting substrate made of an inorganic material. 4,885,053, 12-5-89, Cl. 156-635.000.

Boger, Bentley J., to Nordson Corporation. Method and apparatus for spraying hot melt adhesive elongated fibers in spiral patterns by two or more side-by-side spray devices. 4,815,660, 3-28-89, Cl. 239-4.00

Boger, Bentley J.; and Petrecca, Peter J., to Nordson Corporation. Method of forming a disposable diaper with continuous/intermittent rows of adhesive. 4,874,451, 10-17-89, Cl. 156-291.000.

Boger, Joshua S.; Evans, Ben E.; and Bock, Mark G., to Merck & Co. Inc. Tripeptide renin inhibitors. 4,812,442, 3-14-89, Cl. 514-18.000.

Boger, Manfred; and Drabek, Jozef, to Ciba-Geigy Corporation. Pyridyloxy-substituted phenylcarbodiimides as pesticides. 4,812,46 3-14-89, Cl. 514-351.000.

Boger, Manfred; and Drabek, Jozef, to Ciba-Geigy Corporation. Phenylcarboximidates as pesticides. 4,812,468, 3-14-89, Cl. 514-346.000.

Boger, Manfred; and Drabek, Jozef, to Ciba-Geigy Corporation. S pyridyloxyphenylisothioureas and the use thereof in pest control. 4,866,079, 9-12-89, Cl. 514-346.000.

Boger, Manfred: *See—*
Drabek, Jozef; and Boger, Manfred, 4,798,837, Cl. 514-594.000.
Ehrenfreund, Josef; Boger, Manfred; Kristiansen, Odd; Drabek, Jozef; and Kristinsson, Haukur, 4,888,348, Cl. 514-367.000.

Bogers, Antonius J. P.: *See—*
Gielis, Gerardus C. M.; Bogers, Antonius J. P.; and Van Lerberghe, Steven J. W., 4,884,230, Cl. 364-724.150.

Bogese, Stephen B., II; and Hall, Charles E., to Virginia Plastics Company. Capacity modular plug. 4,874,330, 10-17-89, Cl. 439-418.000.

Bogeso, Klaus P.; Jensen, Klaus G.; Moltzen, Ejner K.; and Pedersen, Henrik, to H. Lundbeck A/S. 1,2,3-Triazole and tetrazole substituted piperidine or tetrahydropyridine compounds useful as acetylcholine agonists. 4,866,077, 9-12-89, Cl. 514-326.000.

Bogeso, Klaus P.; and Sommer, Michael B., to H. Lundbeck A/S. Cyano containing indene derivatives. 4,873,344, 10-10-89, Cl. 541-77.000.

Boggan, Elvis W.; and Campbell, Carl M., Jr., to Visa International Service Association. Transaction approval system. 4,822,985, 4-18-89, Cl. 235-380.000.

Boggan, Elvis W.; and Campbell, Carl M., to Visa International Service Association. Transaction approval system. 4,870,259, 9-26-89, Cl. 235-380.000.

Boggan, Elvis W.: *See—*
Boston, Vincent; Boggan, Elvis W.; and Asbo, Einar L., 4,812,6 Cl. 235-380.000.

Boggess, Charles H.; and Krautsack, Richard G., to Comark Merchandising, Inc. Pivotable display and dispensing apparatus. 4,805,3 2-21-89, Cl. 40-651.000.

Boggs, Daniel R.: *See—*
Johnson, Richard J.; Chenoweth, Dennis E.; Boggs, Daniel R.; and Lysaght, Michael J., 4,882,106, Cl. 264-41.000.
Lysaght, Michael J.; Boggs, Daniel R.; and Ritger, Philip L., 4,842,576, Cl. 604-6.000.

Boggs, Elizabeth A.: *See—*
McDaniel, Max P.; Klendworth, Douglas; Norwood, Donald D.; Hsieh, Eric T.; and Boggs, Elizabeth A., 4,820,785, Cl. 526-105.000.

Boggs, George J., to GTE Laboratories Incorporated. Method of evaluating speech. 4,860,360, 8-22-89, Cl. 381-48.000.

Boggs, Roger A.: *See—*
Bartels-Keith, James R.; Boggs, Roger A.; Puttick, Anthony J.; and Sofen, Nancy M., 4,847,383, Cl. 548-251.000.

Bogh, Bo B., to Rockwool International A/S. Method and apparatus for packaging a number of packages of generally elastic insulation material. 4,852,331, 8-1-89, Cl. 53-399.000.

Bogliari, Domenico: *See—*
Bini, Dante; Bogliari, Domenico; Lomoro, Sandro; Minozzi, Daniele; Pietrogrande, Stefano; and Zucchi, Dario, 4,796,389, Cl. 52-2.000.

Bogner, Bruce F.: *See—*
Botez, Dan; and Bogner, Bruce F., 4,805,176, Cl. 372-29.000.

Bogner, Uwe: *See—*
Lenhardt, Karl; and Bogner, Uwe, 4,803,764, Cl. 29-33.00K.

Bogner, Willy. Method for the simultaneous depiction of at least two temporally sequential events on television, and equipment for implementing this method. 4,843,483, 6-27-89, Cl. 358-335.000.

Bogoch, Samuel, to Brain Research, Inc. Method for diagnosing malignant tumors. 4,840,915, 6-20-89, Cl. 436-530.000.

Bogorad, Alexander: *See—*
Herschitz, Roman; Bogorad, Alexander; and Harhigh, Robert N., 4,876,430, Cl. 219-110.000.

Bogosian, Jasper, Jr.; and Spivack, Mayer, to Xerox Corporation. Magnetic tracking aid for a hand held scanner. 4,838,791, 6-13-89, Cl. 434-116.000.

Bogovican, Dragon: *See—*
Vidican, George; Bogovican, Dragon; Herrera, Victor; and Wiersing, Jeffrey, 4,849,585, Cl. 200-61.540.

Bogoyavlensky, Igor F.: *See—*
Lutamin, Vyacheslav F.; Matsievsky, Jury B.; Kostromitin, Valery A.; Abramovich, Grigory M.; and Bogoyavlensky, Igor F., 4,850,876, Cl. 434-265.000.

Bogsch, Erik: *See—*
Bod, Peter; Harsanyi, Kalman; Agai nee Csongor, Eva; Bogsch, Erik; Fekecs, Eva; Trischler, Ferenc; Domany, Gyorgy; Szabadkai, Istvan; and Hegedus, Bela, 4,835,281, Cl. 548-197.000.
Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.
Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Bogsch, Erik; Kassai nee Zieger, Anna; Trischler, Ferenc; Szepesi, Gabor; and Gazdag, Maria, 4,816,587, Cl. 544-346.000.

Bogue, Kenneth D. Portable apparatus for cooling compressed air. 4,838,343, 6-13-89, Cl. 165-47.000.

Bogue, Larry D. Floor polishing apparatus. 4,809,385, 3-7-89, Cl. 15-98.000.

Bogusch, Eugene D. Nitrification with ammonia enrichment. 4,818,407, 4-4-89, Cl. 210-614.000.

Bogwald, Jarl: *See—*
Larm, Karl O. P.; Hoffman, James; Seljelid, Rolf; and Bogwald, Jarl, 4,795,745, Cl. 514-54.000.

Bohacek, Jan, to Jani-Jack Limited. Mops and mop frames. 4,881,290, 11-21-89, Cl. 15-228.000.

Bohan, John E., Jr., to Honeywell Inc. Sensor fault detector. 4,845,435, 7-4-89, Cl. 324-537.000.

Bohandy, Joseph: *See—*
Kim, Boris F.; and Bohandy, Joseph, 4,799,270, Cl. 382-27.000.
Kim, Boris F.; Bohandy, Joseph; Moorjani, Kishin; and Adrian, Frank J., 4,851,762, Cl. 324-71.600.

Bohannan, John R.; Beever, William H.; and Stirling, J. Andrew, to Phillips Petroleum Company. Fiber reinforced article. 4,848,745, 7-18-89, Cl. 273-72.00R.

Bohannon, Harold L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Method of assembling a telephone keypad. 4,845,748, 7-4-89, Cl. 379-368.000.

Bohara, Robert C.: *See—*
Sittler, Fred C.; and Bohara, Robert C., 4,808,009, Cl. 374-178.000.

Boharski, Robert. Fishing lure. 4,819,361, 4-11-89, Cl. 43-17.600.

Bohaski, Frank L.; and Horner, Jack L., Jr. Combination table top football and hockey game. 4,872,679, 10-10-89, Cl. 273-85.00R.

Bohl, Aleck; and Valdez, Leandro, to Gates Rubber Company, The. Collapsible fluid storage receptacle. 4,854,481, 8-8-89, Cl. 222-94.000.

Bohl, Rainer M.: *See—*
McEwen, James A.; Godolphin, William J.; Bohl, Rainer M.; Dance, Mark N.; Furse, Martin L.; and Osborne, John C., 4,828,716, Cl. 210-740.000.

hland, Walter J., to Ford Motor Company. Method and apparatus for mechanically locating a close-fitting part within a receptacle. 4,833,765, 5-30-89, Cl. 29-157.10R.

[illegible]ohlen, James W.: *See—*
Ozelton, Malcolm W.; Bohlen, James W.; Scarich, Gregory V.; Scutt, James J.; and Averill, Stephan W., 4,808,248, Cl. 148-12.70A.

[illegible]ohlender, Franz; and Buchlaub, Norbert, to David & Baader - DBK. Profiled PCT heater for heating a tubular member. 4,814,584, 3-21-89, Cl. 219-535.000.

Bohler, Erwin; and Bruderer, Werner, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Safety apparatus for an externally powered firing weapon. 4,841,835, 6-27-89, Cl. 89-12.000.

Bohler, Erwin; and Bruderer, Werner, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Deflector sprocket for a cartridge feed device in an automatic multi-barrel firing weapon. 4,885,975, 12-12-89, Cl. 89-33.250.

Bohler, Erwin: *See—*
Bruderer, Werner; and Bohler, Erwin, 4,860,632, Cl. 89-33.250.
Muller, Kurt; and Bohler, Erwin, 4,840,109, Cl. 89-33.140.

Bohler, Gerard M. Lockable vehicle wheel chock device. 4,804,070, 2-14-89, Cl. 188-32.000.

Bohler Ges.m.b.H.: *See—*
Jerlich, Werner J.; Kugler, Alfred; Kaiserfeld, Hans; Schulhofer, Anton; and Zechner, Werner, 4,880,481, Cl. 148-325.000.

Bohler, Joachim: *See—*
Valkenburg, Brand C.; de Graaf, Stephanus A. G.; Bohler, Joachim; and Vollbrecht, Rolf, 4,851,277, Cl. 428-167.000.

Bohlman, James G.: *See—*
Chen, Ih-Chin; Shen, Bing W.; Bohlman, James G.; and Tsai, Hun-Lian, 4,888,820, Cl. 361-313.000.
Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Bohlman, James G.; Loewenstein, Lee M.; and Jones, John I., 4,836,905, Cl. 204-298.000.
Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., 4,872,938, Cl. 156-345.000.

Bohlman, Larry F.: *See—*
Olness, Alan E.; Dahlem, Christopher; and Bohlman, Larry F., 4,816,161, Cl. 210-638.000.

Bohlman, Ronald J. Video tape index. 4,813,711, 3-21-89, Cl. 283-81.000.

Bohm, Erwin; Holck, Jens-Peter; Kampe, Wolfgang; Leinert, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, to Boehringer Mannheim GmbH. Use of alkylenediamine derivatives for the treatment of blood flow disturbances and pharmaceutical compositions containing them. 4,880,805, 11-14-89, Cl. 514-237.500.

Bohm, Georg G. A.: *See—*
Futamura, Shingo; and Bohm, Georg G. A., 4,835,199, Cl. 524-66.000.

Bohm, Heinz, to U.S. Philips Corp. Optical component for separating light into different wavelength components. 4,884,868, 12-5-89, Cl. 350-168.000.

Bohm, Herbert; Gademann, Lothar; and Spitz, Richard, to Robert Bosch GmbH. Three-phase alternator diode heat sink structure. 4,835,427, 5-30-89, Cl. 310-68.00D.

Bohm, Herman: *See—*
Stockermann, Horst; Bohm, Herman; Grober, Josef; and David, Wolfgang, 4,803,807, Cl. 49-26.000.

Bohm, Howard A., and Friend, Deborah R., to Lim Technology Laboratories, Inc. Microencapsulated insecticidal pathogens. 4,844,896, 7-4-89, Cl. 424-89.000.

Bohm, Howard A., to Lim Technology Laboratories, Inc. Liquid controlled release formulations and method of producing same via multiple emulsion process. 4,857,335, 8-15-89, Cl. 424-455.000.

Bohm, Kurt: *See—*
Hlawatschek, Hartmut; Gelsdorf, Gunter; Bohm, Kurt; and Schubert, Manfred, 4,829,538, Cl. 373-72.000.

Bohm, Peter D.: *See—*
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Bohm, Roland: *See—*
Bose, Willibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,110, Cl. 252-341.000.
Bose, Willibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,111, Cl. 252-344.000.

Bohm, Walter, to Johannes Zimmer Gesellschaft M.B.H. Lifting device for templates. 4,838,159, 6-13-89, Cl. 101-119.000.

Bohman, Carl E.; and Chow, Mark K., to Ford New Holland, Inc. Variable sensitivity metal detection system. 4,805,385, 2-21-89, Cl. 56-10.200.

Bohman, Carl E., to Ford New Holland, Inc. Optical method and apparatus for discriminating between crop stalks and weed stalks in a non-contact row crop harvester guidance system. 4,883,964, 11-28-89, Cl. 250-341.000.

Bohman, Carl E., to Ford New Holland, Inc. Method and apparatus for discriminating between stalks and leaves in a non-contact row crop harvester guidance system. 4,883,965, 11-28-89, Cl. 250-341.000.

Bohman, Carl E.: *See—*
Strosser, Richard P.; McIlwain, Irwin D.; Piccinato, Pierino; and Bohman, Carl E., 4,844,675, Cl. 414-111.000.
Strosser, Richard P.; and Bohman, Carl E., 4,854,113, Cl. 56-10.200.
Weaver, Marvin G., Jr.; Bohman, Carl E.; Strosser, Richard P.; McClure, John R.; and Chow, Mark K., 4,799,625, Cl. 241-30.000.

Bohme, Ed. Depth planer and release for sliding down fishing line. 4,879,834, 11-14-89, Cl. 43-43.120.

Bohme, Rolf, to Telefunken electronic GmbH. Controllable integrator. 4,855,626, 8-8-89, Cl. 307-491.000.

Bohmer, Manfred: *See—*
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Bohmig, Wolfgang, to Zeutschel GmbH & Company. Apparatus for the development especially of a film sheet of a film punched card. 4,884,093, 11-28-89, Cl. 354-299.000.

Bohmwetsch, Dieter: *See—*
  Blume, Georg; Bohmwetsch, Dieter; and Eckardt, Fritz, 4,861,133, Cl. 350-96.200.
Bohn, Gerhard; Steinmetz, Guenter; and Steenbeck, Ulf, to Messerschmitt-Bolkow-Blohm GmbH. Process and devices for producing pressure - or shear-waves in a solid medium. 4,796,724, 1-10-89, Cl. 181-106.000.
Bohn, Gerhard, to Messerschmitt-Bolkow-Blohm GmbH. Method for voltage control of the magnets of a magnetically levitated railroad and associated control unit. 4,868 708, 9-19-89, Cl. 361-144.000.
Bohn, Greg. Weedless jig. 4,864,766, 9-12-89, Cl. 43-42.370.
Bohn, Helmut; Just, Melitta; and Nitz, Rolf-Eberhard, to Cassella Aktiengesellschaft. Allymercaptoacetylsydnonimines, processes for their preparation, and their use. 4,888,333, 12-19-89, Cl. 514-212.000.
Bohn, Helmut: *See—*
  Ruger, Wolfgang; Driesen, Gerd; Bohn, Helmut; and Martorana, Piero, 4,845,099, Cl. 514-253.000.
  Schonafinger, Karl; Beyerle, Rudi; Bohn, Helmut; Just, Melitta; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,845,091, Cl. 514-212.000.
  Zoller, Gerhard; Beyerle, Rudi; Just, Melitta; Bohn, Helmut; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,816,454, Cl. 514-211.000.
Bohn, Jerry W., to A. C. Nielsen Company. System for substituting television programs transmitted via telephone lines. 4,888,638, 12-19-89, Cl. 358-84.000.
Bohnacker, Eberhard: *See—*
  Abou-Aly, Mohamed; Bohnacker, Eberhard; Kiefel, Bernhard; Gerhardy, Reinhard; Friedrich, Reinhard; and Krauter, Erich, 4,816,192, Cl. 261-130.000.
Bohnaus, Ulrich: *See—*
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Bohne, Hans; Butterweck, Artur; Pothe, Erich; and Hansohm, Hans-Jurgen, to Clouth Gummiwerke Aktiengesellschaft. Double layer armor. 4,833,968, 5-30-89, Cl. 89-36.080.
Bohnen, Bruce A.: *See—*
  Heikkila, Kurt E.; Williams, Rodney K.; and Bohnen, Bruce A., 4,875,973, Cl. 156-664.000.
  Williams, Rodney K.; Bohnen, Bruce A.; and Heikkila, Kurt E., 4,875,972, Cl. 156-664.000.
Bohnenkamp, Heinrich; and Mogendorf, Friedel, to SMS-Schloemann-Siemag Aktiengesellschaft. Roll stand with axially oppositely shiftable working rolls. 4,848,128, 7-18-89, Cl. 72-247.000.
Bohner, Beat; and Meyer, Willy. Aminopyrazinones and aminotriazinones. 4,795,486, 1-3-89, Cl. 71-93.000.
Bohner, Beat; and Tobler, Hans, to Ciba-Geigy Corporation. Herbicidal and insecticidal triazinones. 4,801,708, 1-31-89, Cl. 544-182.000.
Bohner, Beat; Fory, Werner; Schurter, Rolf; and Pissiotas, Georg, to Ciba-Geigy Corporation. Pyrimidinylsulfonyl carbamates and thiocarbamates. 4,804,757, 2-14-89, Cl. 544-319.000.
Bohner, Beat; and Meyer, Willy, to Ciba-Geigy Corporation. Aminopyrazinones. 4,871,853, 10-3-89, Cl. 544-408.000.
Bohner, Beat: *See—*
  Moser, Hans; Pissiotas, Georg; Brunner, Hans-Georg; Bohner, Beat; and Baumann, Marcus, 4,804,400, Cl. 71-95.000.
  Pissiotas, Georg; and Bohner, Beat, 4,824,476, Cl. 71-095.000.
Bohner, John J.; and Conley, Peter L., to Hughes Aircraft Company. Dynamic motor controller. 4,890,027, 12-26-89, Cl. 310-328.000.
Bohner, Jurgen: *See—*
  Schinkel, Ingo; and Bohner, Jurgen, 4,842,930, Cl. 428-349.000.
Bohnet, Klaus; and Ackeret, Peter, to IDN Inventions and Development of Novelties AG. Magnetic tape cassette box. 4,828,341, 5-9-89, Cl. 312-12.000.
Bohnet, Siegbert: *See—*
  Bronstert, Klaus; and Bohnet, Siegbert, 4,822,530, Cl. 260-665.00R.
  Bronstert, Klaus; Bohnet, Siegbert; Himmele, Walter; and Bott, Kaspar, 4,861,742, Cl. 502-157.000.
Bohning, Daryl E., to North American Philips Corporation. Three-dimensional metric, perfusion and metabolic compartment spectroscopy phantom. 4,816,762, 3-28-89, Cl. 324-300.000.
Bohning, Daryl E., to North American Philips Corporation. Time-clustered cardio-respiratory encoder and method for clustering cardio-respiratory signals. 4,855,910, 8-8-89, Cl. 364-413.130.
Bohnke, Kurt; Brandis, Helmut; Domalski, Hans-Heinrich; Fleischer, Hans-Joachim; and Frinken, Heinrich, to Thyssen Edelstahlwerke AG. Semi-finished products of ferritic steel and catalytic substrate containing same. 4,859,649, 8-22-89, Cl. 502-439.000.
Bohr, Jochen: *See—*
  Rohr, Wolfgang; and Bohr, Jochen, 4,804.095, Cl. 212-152.000.
Bohren, Hans-Ueli; Kuypers, Theo W.; and Meister, Niklaus, to Nestec S.A. Product and process for the production of a milk powder. 4,871,573, 10-3-89, Cl. 426-588.000.
Bohrer, Philip J.; and Johnson, Robert G., to Honeywell Inc. Slotted diaphragm semiconductor device. 4,825,693, 5-2-89, Cl. 73-204.250.
Bohrer, Philip J., to Honeywell Inc. Flow sensor housing. 4,829,818, 5-16-89, Cl. 73-204.220.
Bohrer, Philip J.; and Johnson, Robert G., to Honeywell Inc. Method of making slotted diaphragm semiconductor devices. 4,867,842, 9-19-89, Cl. 156-647.000.
Bohrer, Timothy H.; Pawlowski, Thomas D.; and Brown, Richard K., to James River-Norwalk, Inc. Packaging container for microwave popcorn popping. 4,861,958, 8-29-89, Cl. 219-10.55E.
Bohringer, Harald: *See—*
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Bohrmann, Kurt, to Paper Converting Machine GmbH. Apparatus for packaging compressible articles. 4,864,803, 9-12-89, Cl. 53-527.000.
Bohrn, Walter J.; Garman, Shelly N.; and Tymon, Thomas M., to Armstrong World Industries, Inc. Multi-ply composites and sheets of epoxy and flocced 2:1 layered silicates and methods for them 4,851,021, 7-25-89, Cl. 65-17.000.
Bohrn, Walter J.; Brubaker, Richard A.; Garman, Shelly N.; Hosfeld Lewis K.; Ko, Kenneth K.; and Tymon, Thomas M., to Armstrong World Industries, Inc. Flocced 2:1 layered silicates and water-resistant articles made therefrom. 4,877,484, 10-31-89, Cl. 162-103.000.
Bohsei International Co., Ltd.: *See—*
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Bohus, Peter; Bihari, Ferenc; Kertesz nee Szabo, Marianna; Kuronya Istvan; Boros, Peter; Szulagyi, Janos; Meszaros, Jeno ; Eifert, Gyula Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos Laszlo , to Budapesti Vegyimuvek. Benzoic acid derivatives 4,806,151, 2-21-89, Cl. 71-111.000.
Bohusch, Glen D.; Hall, George D.; and Shostek, Edward M., to American Sterilizer Company. Wheeled table floor lock apparatus 4,833,972, 5-30-89, Cl. 91-465.000.
Boiarski, Anthony A., to Medex, Inc. Integrated optic system for monitoring blood gases. 4,854,321, 8-8-89, Cl. 128-634.000.
Boiarski, Anthony A.; and Myers, William M., to Battelle Memorial Institute. Multimode channel waveguide optical coupling devices and methods. 4,878,727, 11-7-89, Cl. 350-96.170.
Boiarski, Anthony A.: *See—*
  MacMurray, Thomas A.; McComis, William T.; Boiarski, Anthony A.; Proffitt, James R.; and Green, Glen R., 4,839,181, Cl. 426-237.000.
Boice, Peter R., to W. R. Grace & Co. Monoaxially oriented shrink film 4,879,177, 11-7-89, Cl. 428-339.000.
Boie, Immo; Vetter, Hans; and Wingender, Kaspar, to Agfa-Gevaert Aktiengesellschaft. Colour photographic recording material containing a dye releasing compound for cyan dyes and a colour image produced with these dyes. 4,810,615, 3-7-89, Cl. 430-203.000.
Boie, Immo; Peters, Manfred; Himmelmann, Wolfgang; Kaluschke Thomas; Schenk, Gunther; Wingender, Kaspar; and Frank, Karl, to Agfa-Gevaert Aktiengesellschaft. Photographic dye diffusion transfer process and color photographic recording material suitable for this process. 4,847,179, 7-11-89, Cl. 430-203.000.
Boie, Immo: *See—*
  Peters, Manfred; Ohlschlager, Hans; Kaluschke, Thomas; Wingender, Kaspar; Schenk, Gunther; and Boie, Immo, 4,840,871, Cl. 430-203.000.
Boies, Ronald L.: *See—*
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Boike, Charles R. Clamping apparatus. 4,819,922, 4-11-89, Cl. 269-45.000.
Boiko, Valentina F.: *See—*
  Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F. Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Aleksandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov Mikhail I.; and Seredkin, Vladimir P., 4,827,767, Cl. 73-253.000.
Boikov, Vladimir P.: *See—*
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  Kozachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; and Sizova, Svetlana I., 4,799,919, Cl. 474-205.000.
  Kozachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; Sizova, Svetlana I.; Gorodnichev, Jury N. and Nazarenko, Tamara P., 4,846,771, Cl. 474-268.000.
Boileau, Catherine: *See—*
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Boileau, Jacques; Leneveu, Louis; and Tromeur, Monique, to Societe Nationale des Poudres et Explosifs. Aging-resistant single-base powder, process for manufacture, and application to gas generators 4,842,658, 6-27-89, Cl. 149-92.000.
Boilen, Kenneth T. Connection system for preventing uplift of shear walls. 4,875,314, 10-24-89, Cl. 52-167.00R.
Boilley, Michel: *See—*
  Periou, Pierre; and Boilley, Michel, 4,854,183, Cl. 74-113.000.
Boink, Alphons B. T. J.: *See—*
  Sprokholt, Ronald; Boink, Alphons B. T. J.; and Maas, Antonius J., 4,806,486, Cl. 436-19.000.
Boioli, Roberto; and Tagliabue, Pierluigi, to BULL HN Information Systems Italia, S.p.A. Common resource arbitration circuit having asynchronous access requests and timing signal used as clock input register and mask signal to priority network. 4,851,996, 7-25-89, Cl. 364-200.000.
Bois, Emmanuel; Huard, Serge; and Boisde, Gilbert, to Sick-Optique Electronique; and Commissariat a l'Energie Atomique. Displacement transducer with staggered optical fibres. 4,861,131, 8-29-89, Cl. 350-96.180.
Bois, Francoise J.; Remy, Luc G.; and Theret, Jean-Marc C., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A."; and Association pour la Recherche et le Developpement des Methodes et Processus Industriels (A.R.M.I.N.E.S.) Monocrystalline alloy with a nickel base matrix. 4,818,306, 4-4-89, Cl. 148-404.000.
Bois, Philip J.: *See—*
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Boisde, Gilbert; and Quanquin, Michel, to Commissariat A L'Energie Atomique. Equipment for the emission and distribution of light by optical fibers, particularly for in-line spectrophotometric control with the aid of a double beam spectrophotometer. 4,820,045, 4-11-89, Cl. 356-319.000.
Boisde, Gilbert: *See—*
  Bois, Emmanuel; Huard, Serge; and Boisde, Gilbert, 4,861,131, Cl. 350-96.180.
Boise Cascade Corporation: *See—*
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  Oldfather, Nevin L., 4,844,331, Cl. 229-178.000.
  Sloan, Tod H., 4,886,576, Cl. 162-49.000.
Boisseau, Jean-Louis, to Vega Automation. Packing machine for American boxes. 4,807,428, 2-28-89, Cl. 53-563.000.
Boisselle, Rene P. Ski spurs. 4,884,822, 12-5-89, Cl. 280-605.000.
Boissenot, Philippe: *See—*
  Selle, Daniel; and Boissenot, Philippe, 4,889,821, Cl. 437-31.000.
  Selle, Daniel; Boissenot, Philippe; and Rabinzohn, Patrick, 4,889,824, Cl. 437-31.000.
Boissier, Guy: *See—*
  Rousset, Abel C.; Boissier, Guy; Jabry, El Hadj; and Caffin, Jean-Pierre, 4,840,925, Cl. 501-1.000.
Boisson, Jean-Yves, to Telecommunications Radioelectriques Et Telephoniques T.R.T. Differential pulse code modulation arrangement, associated decoding arrangement and transmission system comprising at least such an encoding or decoding arrangement. 4,860,314, 8-22-89, Cl. 375-27.000.
Boisson, Jean-Yves; and Bastien, Jean-Paul, to Telecommunications Radioelectriques et Telephoniques T.R.T. System for transmitting sequences of digital samples encoded by variable-length binary words. 4,876,698, 10-24-89, Cl. 375-25.000.
Boissoneault, Mark. Device for pouring drinks having layers of different densities. 4,800,934, 1-31-89, Cl. 141-106.000.
Boissonneault, Roger: *See—*
  Bartell, Ralph; Boissonneault, Roger; and Blischok, Monica, 4,889,236, Cl. 206-531.000.
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Boisvenue, Rudolph J.; and Crouse, Gary D., to Eli Lilly and Company. Control of ectoparasites. 4,870,109, 9-26-89, Cl. 514-688.000.
Boisvert, Conrad J., to Honeywell Inc. Fault tolerant integrated circuit design. 4,849,657, 7-18-89, Cl. 307-441.000.
Boisvert, Michelle; and Lepine, Pierre C. Adjustable shoe insole. 4,813,157, 3-21-89, Cl. 36-44.000.
Boitani, Maria. Bookcover-like folder for guided menu. 4,819,351, 4-11-89, Cl. 40-642.000.
Boitiaux, Jean-Paul; and Cosyns, Jean, to Institut Francais Du Petrole. Process for eliminating jointly arsenic and carbon oxysulfide from an unsaturated hydrocarbon cut in the liquid phase. 4,849,577, 7-18-89, Cl. 585-820.000.
Boivent, Marcel: *See—*
  Daudin, Philippe; Levy, Pierre-Emmanuel; Aube, Jean-Yves; Duplessis, Bernard; and Boivent, Marcel, 4,809,294, Cl. 373-41.000.
Boivineau, Michel; Jouvet, Christophe; and Piuzzi, Francois, to Commissariat a l'Energie Atomique; and Centre National de la Recherche Scientifique. Process and apparatus for obtaining an excimer and application to lasers. 4,849,983, 7-18-89, Cl. 372-57.000.
Boj, Claude: *See—*
  Parizot, Claude; Boj, Claude; and Schawann, Jean C., 4,848,474, Cl. 166-366.000.
Bojanowski, Gerald M.; and Smith, David W., to General Motors Corporation. Hood louver drain pan and screen. 4,850,444, 7-25-89, Cl. 180-68.100.
Bojar, James A.; and Shaw, Richard J., to Better Health Concepts, Inc. Rotary electric toothbrush. 4,827,552, 5-9-89, Cl. 15-28.000.
Bojeck, Gary: *See—*
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Bojrab, Dennis: *See—*
  Heide, Jorgen; Gooch, Timothy D.; Prescott, Anthony D.; and Bojrab, Dennis, 4,840,178, Cl. 128-419 00R.
Boke, Karl-Heinz; Orth, Heinz-Dietmar; and Schulz, Hans-Heinrich, to Hoechst Maschinenfabrik Deutschland AG. Apparatus for the transport of tacky prepreg blanks. 4,846,517, 7-11-89, Cl. 294-65.000.
Boke-Kuhn, Karin: *See—*
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Bokela Ingenieurgesellschaft fur Mechanische Verfahrenstechnik: *See—*
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Bokelmann, Paul R.: *See—*
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Bokelund, Carl G.; Cronan, Michael P.; and Winters, Clyde J., to Greyhound Exhibitgroup Inc. Structural system. 4,813,196, 3-21-89, Cl. 52-775.000.
Bokers, Franz-Josef; and Steinke, Alexander, to Siemens Aktiengesellschaft. Nuclear reactor fuel assembly. 4,827,063, 5-2-89, Cl. 376-439.000.
Bokiau, Philippe. Apparatus for dispensing insecticide. 4,807,391, 2-28-89, Cl. 43-131.000.
Bokich, Robb B. Resilient structure. 4,862,539, 9-5-89, Cl. 5-473.000.
Bokisa, George S.; and Page, Billie J., to McGean-Rohco, Inc. Additive composition, plating bath and method for electroplating tin and/or lead. 4,885,064, 12-5-89, Cl. 204-44.400.
Bokros, Jack C., to Carbomedics, Inc. Heart valve. 4,822,353, 4-18-89, Cl. 623-2.000.
Bokros, Jack C., to Carbomedics Inc. Heart valve prosthesis having configured leaflets and mounting ears. 4,863,458, 9-5-89, Cl. 623-2.000.
Bokros, Jack C., to Carbomedics Inc. Heart valve prosthesis with leaflets varying in thickness and having spherical ears. 4,863,467, 9-5-89, Cl. 623-2.000.
Bokros, Jack C., to Carbomedics, Inc. Heart valve prosthesis with improved recess design. 4,888,010, 12-19-89, Cl. 623-2.000.
Boksberger, Hans U.; Jud, Markus; and Wettstein, Anton, to BBC Brown Boveri AG. Method for monitoring and controlling an antenna selector and antenna selector for carrying out the method. 4,811,032, 3-7-89, Cl. 343-876.000.
Boksberger, Hans-Ulrich; and Tomljenovic, Juraj, to BBC Brown Boveri AG. Adjustable vacuum condenser. 4,860,160, 8-22-89, Cl. 361-279.000.
Bol, Kenneth E., II: *See—*
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Boland, Anthony C.; and Maxwell, George R., to L.A. Brush Manufacturing Corp. Bristle filled sleeve and method of filling and using same. 4,846,531, 7-11-89, Cl. 300-21.000.
Boland, Bernard W.; Gandy, William E., Jr.; and Jackson, Kevin B., to Motorola, Inc. Monolithic temperature compensated voltage-reference diode and method of its manufacture. 4,870,467, 9-26-89, Cl. 357-13.000.
Boland, Bernard W.; Gandy, William E., Jr.; and Jackson, Kevin B, to Motorola Inc. Monolithic temperature compensated voltage-reference diode and method for its manufacture. 4,886,762, 12-12-89, Cl. 437-15.000.
Boland, Leona G.; Zehner, Georgia L.; and Stevens, Robert A., to Kimberly-Clark Corporation. Disposable absorbent garment having elastic outer cover and absorbent insert structure integrated therein using stress-release means. 4,834,736, 5-30-89, Cl. 604-385.200.
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Bolang, Per A.; and Parkes, Hugh R., to Boeing Company, The. Aircraft rudder thermal compensation linkage. 4,863,122, 9-5-89, Cl. 244-221.000.
Bolante, Jay J., to Appleton Electric Co. Plastic conduit connector for flexible conduit. 4,842,548, 6-27-89, Cl. 439-461.000.
Bolcsak, Lois E.: *See—*
  Janoff, Andrew S.; Bolcsak, Lois E.; Weiner, Alan L.; Tremblay, Paul A.; Bergamini, Michael V. W.; and Suddith, Robert L., 4,861,580, Cl. 424-1.100.
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  Riediker, Martin; Lang, Robert W.; Duthaler, Rudolf; Herold, Peter; Oertle, Konrad; and Bold, Guido, 4,826,965, Cl. 536-18.100.
Bold, Jorg, to "Wurtex" Maschinenbau Hofmann GmbH & Co. Method for continuously forming a uniform layer of material that is being dispersed. 4,847,022, 7-11-89, Cl. 264-40.700.
Bolden Jr., Paul L.: *See—*
  Hayes, Michael E.; Hrebenar, Kevin R.; Murphy, Patricia L.; Futch Jr., Laurence E.; Deal III, James F.; and Bolden Jr., Paul L., 4,821,757, Cl. 137-13.000.
Bolden, Ronald J., to USEC, Inc. Collapsible cart. 4,811,968, 3-14-89, Cl. 280-652.000.
Bolden, Ronald J., to USEC, Inc. Collapsible cart. 4,824,137, 4-25-89, Cl. 280-652.000.
Bolder, Antonius J. J.: *See—*
  Overdijk, Dik R.; Bolder, Antonius J. J.; Beirens, Leopold C. M.; and Van Rens, Piet C. J., 4,874,982, Cl. 313-440.000.
Boldra, Velta D. Bedding with retention pockets. 4,809,376, 3-7-89, Cl. 5-497.000.
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Boldrin, Clete M.; McCorkle, Richard D.; Rice, Jimmy W.; and Rustik, James J., to United States of America, Air Force. Control surface dual redundant servomechanism. 4,800,798, 1-31-89, Cl. 91-361.000.
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Bolduc, Ghislain; and Wanngard, Karl J. F., to Eka Nobel AB. Process for the production of alkali metal chlorate. 4,795,535, 1-3-89, Cl. 204-95.000.
Bolduc, Lee R. Sanding apparatus. 4,813,189, 3-21-89, Cl. 51-372.000.
Bolduc, Wendy. Coin operated infant changing table. 4,876,970, 10-31-89, Cl. 108-35.000.
Bolehovszky, Andrea: *See—*
  Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kell-

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Bolejack, Kevin J.: *See—*
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Boles, John A.: *See—*
  Arackellian, Kevork; Boles, John A.; and Eastman, Jay M., 4,820,911, Cl. 235-467.000.
Bolesky, Richard C., to Boehringer Mannheim Corporation. Modular knee prosthesis. 4,822,366, 4-18-89, Cl. 623-20.000.
Bolfik, Lawrence J.; and Smith, Calvin G., to Ford Motor Company. Airconditioning system for a vehicle. 4,858,676, 8-22-89, Cl. 165-2.000.
Bolger, John G.; and Ng, Lung S. B., to Inductran Corporation. Inductive power coupling with constant voltage output. 4,800,328, 1-24-89, Cl. 320-2.000.
Bolger, John G., to Inductran Corporation. Roadway power and control system for inductively coupled transportation system. 4,836,344, 6-6-89, Cl. 191-10.000.
Bolger, Steven H.: *See—*
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Bolgert, Thomas A.: *See—*
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Bolgiano, Nicholas C.; Grubb, Mary B.; Hudson, Raymond S.; and Sigman, William T., to Armstrong World Industries, Inc. Method for making stain and scratch resistant resilient surface coverings. 4,855,165, 8-8-89, Cl. 427-393.500.
Bolhuis, Pieter J., to U.S. Philips Corp. Circuit arrangement for starting and operating a gas discharge laser. 4,825,443, 4-25-89, Cl. 372-38.000.
Bolich, Raymond E., Jr., to Procter & Gamble Co., The. Hair styling mousse. 4,834,968, 5-30-89, Cl. 424-47.000.
Bolich, Raymond E., Jr., to Procter & Gamble Company, The. Volatile silicons. 4,874,868, 10-17-89, Cl. 548-110.000.
Bolich, Raymond E., Jr.: *See—*
  Beck, Terri A.; and Bolich, Raymond E., Jr., 4,863,721, Cl. 424-47.000.
  Borcher, Thomas A., Sr.; Trinh, Toan; and Bolich, Raymond E., Jr., 4,849,257, Cl. 427-242.000.
Bolick, Roger E., II: *See—*
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Boliden Aktiebolag: *See—*
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Boliden Aktienbolag: *See—*
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Bolieau, Christopher W.; and Grosgebauer, Roger A., to Morton Thiokol, Inc. Pulsed rocket motor. 4,829,765, 5-16-89, Cl. 60-250.000.
Bolin, David R., to Hoffmann-La Roche Inc. Method for the production of amino terminus protected naturally occurring amino acids. 4,822,890, 4-18-89, Cl. 548-344.000.
Bolin, Garry J.: *See—*
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Bolin, Goran; and Sabelstrom, Jan, to Dynasonic. Apparatus for gluing sheets of material together. 4,855,010, 8-8-89, Cl. 156-497.000.
Bolin, James A.; and Powers, Irving, to Glass Technology Development Corp. Glassware forming machine with cooling system. 4,842,637, 6-27-89, Cl. 65-265.000.
Bolin, James A., to Liberty Glass Company. Glassware forming machine. 4,853,023, 8-1-89, Cl. 65-323.000.
Bolis, Goffredo A.; Cantarini, Giuseppe; and Da Col, Marco, to Lark S.p.A. Method for the removal of the formyl group from an ester of an N-formyl peptide or N-formyl aminoacid. 4,851,563, 7-25-89, Cl. 560-41.000.
Bolitho, Jack A., to Gradall Company, The. Single engine excavator capable of railroad use. 4,828,452, 5-9-89, Cl. 414-718.000.
Boliver, Vincent J.; Roscizewski, Paul M.; Sankey, Edward L.; and DeMeyer, Roy W., to Cooper Power Systems, Inc. Electrical connector assembly and method for connecting the same. 4,857,021, 8-15-89, Cl. 439-801.000.
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Boll & Kirch Filterbau GmbH: *See—*
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Bollag, Moses, to Plastiroute S.A. Process and device for producing or renewing a horizontal marking on roads and horizontal marking produced in accordance with the process. 4,856,931, 8-15-89, Cl. 404-75.000.
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Bolland, George B. Weight sensing apparatus. 4,834,199, 5-30-89, Cl. 177-163.000.
Bollard, Robert J.; Feintuch, Martin; and Johnston, Robert J., to Allied-Signal Inc. Integrated avionics control and display arrangement. 4,845,495, 7-4-89, Cl. 340-973.000.
Bollen, Alex J.; and Jacobs, Paul, to SmithKline-RIT s.a. Hybrid polypeptides comprising somatocrinine and alpha$_1$-antitrypsin, method for their production from bacterial clones and use thereof for the production of somatocrinine. 4,828,988, 5-9-89, Cl. 435-68.000.
Bollen, Alex J.: *See—*
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Bollenrath, Franz-Michael; Bartmann, Martin; and Hentschel, Bernhard, to Chemische Werke Huls Aktiengesellschaft. Process for introducing gases into liquids in the production of polyphenylene ethers or sulfoxidized parrafins using horizontal reactors. 4,822,86 4-18-89, Cl. 528-216.000.
Boller, Giorgio; Ferro, Francesco; and Colli, Luigi, to Savio, S.p.A. Method and device for intermittently storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed. 4,854,509, 8-8-89, Cl. 242-18.00R.
Boller, Giorgio; Montali, Sergio; and Colli, Luigi, to Savio, S.p.A. Device and method for intermittently storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed. 4,854,513, 8-8-89, Cl. 242-18.00R.
Boller, Giorgio: *See—*
  Montali, Sergio; Boller, Giorgio; and Colli, Luigi, 4,854,511, Cl. 242-18.0DD.
  Montali, Sergio; Boller, Giorgio; and Colli, Luigi, 4,854,512, Cl. 242-18.0DD.
Bolles, Albert D.; Spradlin, Joseph E.; and Carpenter, Thomas L., to General Foods Corporation. Method of producing a high fiber flaked cereal. 4,834,989, 5-30-89, Cl. 426-28.000.
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Bolli, Peter; Looser, Heniz; and Tanner, Werner, to Interlego A.G. Toy cog railway. 4,861,306, 8-29-89, Cl. 446-90.000.
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Bolliand, Robert, to Institut Textile de France. Rough abrasive like material. 4,845,902, 7-11-89, Cl. 51-395.000
Bollier, Marc M. P.; Gray, Arthur H.; and Somers, Andreas J., to Colgate-Palmolive Co. Particulate detergent compositions and manufacturing processes. 4,828,721, 5-9-89, Cl. 252-8.700.
Bollig, Georg; and Pazderka, Cyril. Hinged channel for steel bars. 4,832,177, 5-23-89, Cl. 198-451.000.
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Bolling, Fritz C.; and Sellner, Josef, to Thyssen Industrie AG. Articulated joint. 4,858,962, 8-22-89, Cl. 285-136.000.
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Bollinger, Karl; and Barre, Daniel, to Soletanche. Milling machine for cutting trenches. 4,883,134, 11-28-89, Cl. 175-96.000.
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Bollong, Alan B. I.; Bult, Roelof P.; and Proux, Gary T., to Cominco Ltd. Method for the zone refining of gallium. 4,888,051, 12-19-89, Cl. 75-10.100.
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Bolomey, Jean-Charles, to Centre National de la Recherche Scientifique. Method and device for focusing, on one point to be examined, the antennae of an antenna array. 4,870,423, 9-26-89, Cl. 342-368.000.
Bolon, Donald A.; Eddy, Victoria J.; and Hallgren, John E., to General Electric Company. Photopatterned product of silicone polyamic acid on a transparent substrate. 4,855,199, 8-8-89, Cl. 430-18.000.
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Bolt, Benjamin H. Debris separator unit for raingutter downspouts. 4,801,377, 1-31-89, Cl. 210-162.000.
Bolt, Bernard L. Profile open/fold-up truss. 4,831,807, 5-23-89, Cl. 52-641.000.
Bolt, Durk J., to U.S. Philips Corporation. Apparatus and method for monitoring memory accesses and detecting memory errors. 4,811,347, 3-7-89, Cl. 371-51.000.
Bolt, John D., to Du Pont de Nemours, E. I., and Company. Aluminum nitride articles by carbothermal nitridation. 4,857,246, 8-15-89, Cl. 264-29.200.
Bolt, John D.; and Subramanian, Munirpallam A., to Du Pont de Nemours, E. I., and Company. Process for making 90K superconductors from acetate precursor solutions. 4,866,031, 9-12-89, Cl. 505-1.000.
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Bolt, Michael L., to Irwin Magnetic Systems, Inc. Magnetic transducer head structure. 4,819,107, 4-4-89, Cl. 360-121.000.
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  Chelminski, Stephen V., 4,858,718, Cl. 181-106.000.
Bolte, Brown. Drinking vessels. 4,872,569, 10-10-89, Cl. 215-12.100.
Bolte, Georg, to Schmalbach-Lubeca AG. Method of and system for coating exposed can edges. 4,842,887, 6-27-89, Cl. 427-10.000.
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  Prien, Walter F.; Meece, Meredith W.; and Bolthouse, John H., II, 4,822,254, Cl. 417-368.000.
Bolthouse, Robert. Die spring retainer. 4,807,859, 2-28-89, Cl. 267-170.000.
Bolton, Albert E.: *See—*
  Hepworth, William J.; and Bolton, Albert E., 4,804,033, Cl. 164-97.000.
Bolton, Albert M., Jr., to White Consolidated Industries, Inc. Flywheel-associated counterweight apparatus for reducing vibration in a single cylinder internal combustion engine. 4,846,123, 7-11-89, Cl. 123-192.00B.
Bolton, Benjamin A.: *See—*
  Richardson, Joel A.; Poppe, Wassily; Bolton, Benjamin A.; and Paschke, Edward E., 4,831,108, Cl. 528-335.000.
Bolton, Billie J. Tissue packet holder. 4,805,242, 2-21-89, Cl. 2-160.000.
Bolton, David R. Cooler caddy for golf cart. 4,889,267, 12-26-89, Cl. 224-274.000.
Bolton, Ivor W.; Gibbons, Richard N.; and Dixon, Gerald, to International Business Machines Corporation. Disk file employing dual filters. 4,857,087, 8-15-89, Cl. 55-385.600.
Bolton, James C.: *See—*
  Nielsen, Christian M.; and Bolton, James C., 4,885,964, Cl. 83-56.000.
Bolton, Joseph A.; Beck, Raymond W.; and Ramey, Robert B., to Albany International Corp. Light source assembly. 4,824,209, 4-25-89, Cl. 350-319.000.
Bolton, Joseph A.; and Harbaugh, Steven K., to Albany International Corp. Method and apparatus for analyzing the formation of a web of material via generating a formation index. 4,857,747, 8-15-89, Cl. 250-559.000.
Bolton, Joseph A.: *See—*
  Scarano, Robert V.; and Bolton, Joseph A., 4,795,131, Cl. 251-63.000.
Bolton, Nelson P.; and Smith, W. Novis, Jr., to Advanced Glass Systems Corp. Laminated glazing unit. 4,799,346, 1-24-89, Cl. 52-509.000.
Bolton, Sanford; Izevbehai, Philip H.; and Desai, Subhash. Floating sustained release therapeutic compositions. 4,814,178, 3-21-89, Cl. 424-467.000.
Bolton, Sanford; and Desai, Subhash, to St. John's University. Floating sustained release therapeutic compositions. 4,814,179, 3-21-89, Cl. 424-467.000.
Bolton, Theodore S.; and Lang, Richard D., to Carrier Corporation. Security lock for a room air conditioner. 4,856,295, 8-15-89, Cl. 62-263.000.
Bolton, Theodore S.: *See—*
  Lang, Richard D.; and Bolton, Theodore S., 4,800,735, Cl. 62-298.000.
Bolton, William E.; and Holbert, John C. Apparatus and method for centering logs. 4,811,776, 3-14-89, Cl. 144-357.000.
Bolton, William E.; Holbert, John C.; Ballance, Jeffrey D.; and Recording, Robert A., to U.S. Natural Resources, Inc. System for orienting logs for lumber processing. 4,867,213, 9-19-89, Cl. 144-357.000.
Boltz, Keith R.: *See—*
  Uecker, Dale A.; and Boltz, Keith R., 4,838,038, Cl. 62-304.000.
Boltze, Carsten: *See—*
  Frerichs, Udo; Boltze, Carsten; Rach, Heinz-Dieter; and Klose, Hans-Ulrich, 4,865,532, Cl. 425-11.000.
Bolz, Hans-Peter: *See—*
  Adams, Samuel F.; and Bolz, Hans-Peter, 4,828,200, Cl. 242-118.300.
  Adams, Samuel F.; and Bolz, Hans-Peter, 4,852,823, Cl. 242-125.100.
  Adams, Samuel F.; and Bolz, Hans-Peter, 4,889,294, Cl. 242-118.300.
Bolz, Reinhold: *See—*
  Schmalfuss, Harald; Sinsel, Friedel; and Bolz, Reinhold, 4,815,844, Cl. 356-237.000.
  Schmalfuss, Harald; Sinsel, Friedel; and Bolz, Reinhold, 4,822,165, Cl. 356-239.000.
Bolza-Schunemann, Hans Berhard; and Grosshauser, Heinrich K., to Koenig & Bauer Aktiengesellschaft. Impression cylinder surface for perfecting press. 4,833,984, 5-30-89, Cl. 101-220.000.
Bolzani, Otello; and Iotti, Alcide. Apparatus for automatically cooking alimentary pasta. 4,821,632, 4-18-89, Cl. 99-330.000.
Bom, Cornelis J. G.; and van den Berg, Karel, to C. van der Lely N.V. Implement for and a method of milking an animal. 4,838,207, 6-13-89, Cl. 119-14.020.
Bom, Cornelis J. G.: *See—*
  van der Lely, Ary; and Bom, Cornelis J. G., 4,805,557, Cl. 119-14.080.
  van der Lely, Ary; and Bom, Cornelis J. G., 4,834,296, Cl. 239-676.000.
  van der Lely, Ary; and Bom, Cornelis J. G., 4,842,202, Cl. 239-661.000.
  van der Lely, Ary; and Bom, Cornelis J. G., 4,864,809, Cl. 56-377.000.
  van der Lely, Ary; and Bom, Cornelis J. G., 4,884,640, Cl. 172-68.000.
  van der Lely, Edwin; and Bom, Cornelis J. G., 4,827,704, Cl. 56-13.600.
Bomag-Menck GmbH: *See—*
  Kuehn, Hans, 4,817,734, Cl. 173-29.000.
  Kuehn, Hans, 4,818,149, Cl. 405-228.000.
  Kuehn, Hans, 4,856,938, Cl. 405-227.000.
  Kuehn, Hans, 4,872,514, Cl. 173-132.000.
Bomann, Werner; Esser, Franz; Hamel, Ulrich; and Stable, Helmut, to Boehringer Ingelheim Vetmedica GmbH. Feed additive for improving growth in agricultural animals. 4,853,402, 8-1-89, Cl. 514-401.000.
Bomar Corporation: *See—*
  Lybecker, Robert W., 4,850,094, Cl. 29-434.000.
Bomar, E. S.: *See—*
  Moorhead, Arthur J.; Bomar, E. S.; and Becher, Paul F., 4,812,280, Cl. 264-332.000.
Bomardelli, Ezio; and Mustich, Giuseppe, to Inverni Della Beffa S.p.A. Process for preparing lysergol derivatives. 4,870,179, 9-26-89, Cl. 546-67.000.
Bombardier Inc.: *See—*
  Blanchard, Yves; and Talbot, Lionel, 4,826,185, Cl. 280-21.100.
Bombardier-Rotax-Wien Producktions-und Vertriebsgesellschaft m.b.H.: *See—*
  Ranner, Dietrich, 4,844,562, Cl. 305-56.000.
Bombled, Jean, to Neiman. Device for preventing the theft of motor vehicles. 4,852,681, 8-1-89, Cl. 180-287.000.
Bombolevich, Edward: *See—*
  Keeler, Donald E.; Bombolevich, Edward; and Sinocchi, Michael, 4,846,915, Cl. 156-261.000.
Bomed Medical Manufacturing, Ltd.: *See—*
  Sramek, Bohumir, 4,807,638, Cl. 128-672.000.
  Sramek, Bohumir, 4,836,214, Cl. 128-693.000.
  Vysin, Vlastimil P.; and Sramek, Bohumir, 4,870,578, Cl. 364-413.050.
Bomer, Bruno; and Piejko, Karl-Erwin, to Miles Inc. Test aids and method for the preparation thereof. 4,800,169, 1-24-89, Cl. 436-166.000.
Bomer, Bruno: *See—*
  Piejko, Karl-Erwin; Bomer, Bruno; Buysch, Hans-Josef; and Hullmann, Michael, 4,879,367, Cl. 528-371.000.
  Probst, Joachim; Baumgen, Heinz; Bomer, Bruno; Konig, Joachim; and Mottweiler, Renke, 4,806,591, Cl. 524-820.000.
Bomgaars, Roger: *See—*
  Clark, Russell L.; and Bomgaars, Roger, 4,881,424, Cl. 74-523.000.
Bomhard, Andreas: *See—*
  Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, 4,871,735, Cl. 514-213.000.
  Narr, Berthold; Hauel, Norbert; Noll, Klaus; Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; van Meel, Jacques; and Diederen, Willi, 4,831,027, Cl. 514-212.000.
Bomhard, Helmut; Fischer, Ernst; and Rudat, Dieter, to Dyckerhoff & Widmann Aktiengesellschaft. Container system for the storage of wastes. 4,884,711, 12-5-89, Cl. 220-5.00A.
Bommaraju, Tilak V.: *See—*
  Schulz, Arthur C.; Bommaraju, Tilak V.; Kiszewski, Robert; and Keller, Ursula I., 4,810,345, Cl. 204-296.000.
Bommarito, Alexander A. Dietary fiber and method of making. 4,795,653, 1-3-89, Cl. 426-615.000.
Bommer, Rolf. Furnace boiler and process for the operation of the boiler. 4,796,569, 1-10-89, Cl. 122-6.00A.
Bommer, Rolf. Calorific value boiler. 4,848,277, 7-18-89, Cl. 122-20.00B.

- Bommer, Rolf. Apparatus for purifying and neutralizing residues from furnaces. 4,857,183, 8-15-89, Cl. 210-127.000.
- Bompard, Bruno; Debaille, Christian; and Bruyere, Alain, to Brochier S.A. Multilayer textile material and method and apparatus for producing the same. 4,889,063, 12-26-89, Cl. 112-402.000.
- Bomsztyk, Karol, to University of Washington, The Board of Regents of the. pH/P_{CO_2} P_{O_2} electrode. 4,816,131, 3-28-89, Cl. 204-403.000.
- Bon, Charles K.: *See—*
  - Renga, James M.; Bon, Charles K.; Gulkenkian, Aylin H.; and Smith, Michael G., 4,845,267, Cl. 560-160.000.
- Bon, Michel: *See—*
  - Mulawka, Jan; Konczykowska, Agnieszka; and Bon, Michel, 4,841,263, Cl. 333-173.000.
- Bon, Serge: *See—*
  - Delalande, Francois; and Bon, Serge, 4,811,914, Cl. 242-56.100.
- Bona, Alfredo D.; and Airaghi, Attilio, to Murray Europe S.p.A. Mobile joint for connectors. 4,796,927, 1-10-89, Cl. 285-190.000.
- Bona, Constantin: *See—*
  - Berger, Frank M.; Bona, Constantin; and Lechevalier, Mary P., 4,877,612, Cl. 424-92.000.
- Bonac, Tomo. Veneer knife. 4,794,961, 1-3-89, Cl. 144-212.000.
- Bonadies, Gary N.; O'Clair, Mark; and Parry, David W., to United States of America, Air Force. Antenna shaft positioning device. 4,815,339, 3-28-89, Cl. 74-813.00L.
- Bonaldo, Jean M.: *See—*
  - Sitar, Dennis L.; and Bonaldo, Jean M., 4,816,024, Cl. 604-192.000.
- Bonander, James; and Torza, Sergio, to Beloit Corporation. Extended nip press apparatus with tracks to slideably accommodate beaded blanket edges. 4,861,434, 8-29-89, Cl. 162-358.000.
- Bonanni, Rocco, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical connector. 4,818,058, 4-4-89, Cl. 350-96.200.
- Bonanno, Francesco, to Brevetti Gaggia S.p.A. Apparatus for quick emulsification and heating of liquids. 4,827,904, 5-9-89, Cl. 126-379.000.
- Bonanno, Joseph. Coin-controlled mechanism for a product dispenser. 4,815,578, 3-28-89, Cl. 194-237.000.
- Bonanomi, Jacques, to Observatorie Cantonal. Display means. 4,860,471, 8-29-89, Cl. 40-450.000.
- Bonar Bray Limited: *See—*
  - Bicknell, John, 4,839,585, Cl. 324-158.0MG.
- Bonar Carelle Limited: *See—*
  - Seal, Michael J., 4,857,065, Cl. 604-368.000.
- Bonar Fabrics Corporation: *See—*
  - Zimmerman, Nancy J.; and Burge, David L., 4,845,583, Cl. 360-133.000.
- Bonar, George D. Preassembled sew-ready button. 4,823,948, 4-25-89, Cl. 206-227.000.
- Bonar, George D. Bumper. 4,883,299, 11-28-89, Cl. 293-110.000.
- Bonar Plastics Ltd.: *See—*
  - Pett, Bruce; and Wain, David, 4,887,731, Cl. 220-1.500.
- Bonassi, Luciano. Device for adjusting the spaced relation between the cheeks of a sheet-nipping sheave associated to a winch; particularly for nautical uses. 4,815,710, 3-28-89, Cl. 254-371.000.
- Bonato, Paolo, to GTE Telecommunicazioni, S.p.A. Single side band harmonic frequency converter, in particular for high-frequency receiving and transmitting systems. 4,817,201, 3-28-89, Cl. 455-325.000.
- Bonatto, Luigi: *See—*
  - Augusti, Ferdinando; Bonatto, Luigi; and Puglisi, Anna M., 4,833,533, Cl. 358-80.000.
- Bonazza, Benedict R., to Phillips Petroleum Company. EMI Shielded plastic composites. 4,880,679, 11-14-89, Cl. 428-57.000.
- Bonczyk, John C., to Chrysler Motors Corporation. Reinforcement for a plastic fuel tank. 4,886,180, 12-12-89, Cl. 220-5.00A.
- Bond, Alan M.: *See—*
  - Newman, Oliver M. G.; Bond, Alan M.; and Knight, Roger W., 4,804,443, Cl. 204-1.00T.
- Bond, Anthony J.: *See—*
  - Doyle, James; Bond, Anthony J.; and Davidson, Fiona E., 4,836,628, Cl. 350-3.610.
- Bond, Bruce E.: *See—*
  - Cornie, James A.; Kattamis, Theodoulos; Chambers, Brent V.; Bond, Bruce E.; and Varela, Raul H., 4,853,182, Cl. 420-129.000.
- Bond, Charles R., to Verbatim Corporation. Copy protected disk. 4,823,210, 4-18-89, Cl. 360-60.000.
- Bond, Christopher R.: *See—*
  - Rockford, David B.; Sutton, William H.; Bond, Christopher R.; and Wilkinson, Brian, 4,889,638, Cl. 210-703.000.
- Bond, Curtis J., to Liqui-Box Corporation. Bag-in-box packaging and dispensing of substances which will not readily flow by gravity. 4,796,788, 1-10-89, Cl. 222-94.000.
- Bond, Frederick W., III. Wind processing air turbine, and methods of constructing and utilizing same. 4,834,610, 5-30-89, Cl. 415-3.000.
- Bond, Gary M.: *See—*
  - Shaw, Bon F.; and Bond, Gary M., 4,817,940, Cl. 272-93.000.
- Bond, Guy R. Adjustable wrenches. 4,843,926, 7-4-89, Cl. 81-185.000.
- Bond, Irvin D. Press dwell linkage. 4,846,056, 7-11-89, Cl. 100-281.000.
- Bond, Irvin D. Quick disconnect apparatus for a loader boom. 4,887,927, 12-19-89, Cl. 403-68.000.
- Bond, Karen M.; Weih, Mark A.; and Auerbach, Robert A. Adhesive halogenated cyclic conjugated diene and 1,2 polybutadiene. 4,795,778, 1-3-89, Cl. 524-551.000.
- Bond, Kevin J., to Cossor Electronics Limited. Dual band antennas with microstrip array mounted atop a slot array. 4,864,314, 9-5-89, Cl. 343-700.0MS.
- Bond, Malcolm L.; and Dempster, Philip T., to Loredan Biomedical Inc. Exercise and diagnostic system and method. 4,889,108, 12-26-89, Cl. 128-25.00R.
- Bond, Paul W.: *See—*
  - Atallah, Francois I.; Bond, Paul W.; and Frey, Denise E., 4,823,095, Cl. 333-22.00R.
- Bond, Robert, to General Kinematics Corporation. Control system for vibratory apparatus. 4,860,816, 8-29-89, Cl. 164-154.000.
- Bond, Robert: *See—*
  - Blythe, Robert J.; Bond, Robert; and La Heij, Gerardus E., 4,845,154, Cl. 525-237.000.
- Bond, Robert H.; Olla, Michael A.; Morrison, Barry; and Garrison, Linn C., to SGS-Thomson Microelectronics, Inc. Uniform leadframe carrier. 4,815,595, 3-28-89, Cl. 206-329.000.
- Bond, Robert S.: *See—*
  - Thornthwaite, Ian R.; and Bond, Robert S., 4,798,189, Cl. 123-502.000.
- Bond, Roger A. L.; and Nigro, Stephen J., to Abbott Ball Company, The. Methods of making steel abrading elements for mass finishing of workpieces and for using same. 4,835,911, 6-6-89, Cl. 51-313.000.
- Bondar, Jerry. Hand tool for storing and applying O-ring seals 4,843,668, 7-4-89, Cl. 7-164.000.
- Bondarenko, Alexei G.: *See—*
  - Natalevich, Alexandr N.; Bondarenko, Alexei G.; Skoibeda, Anatoly T.; Trofimov, Leonid G.; Yatsuk, Alexandr A.; Khlomovsky, Alexandr S.; and Nikonchuk, Andrei N., 4,867,661, Cl. 425-34.200.
- Bondestam, Marten. Kite. 4,813,637, 3-21-89, Cl. 244-153.00R.
- Bondetti, Mario, to Sulzer-Escher Wyss AG. Controlled deflection ro 4,815,183, 3-28-89, Cl. 29-116.200.
- Bondi', Francesco. Animated toy puppet theater. 4,804,348, 2-14-89, Cl. 446-83.000.
- Bondinell, William E.; and Ormsbee, Herbert S., III, to SmithKline Beckman Corporation. Sulfinyl and sulfonyl substituted 2,3,4,5 tetrahydro-1H-3-benzazepines and their use in treating gastrointestinal motility disorders. 4,824,839, 4-25-89, Cl. 514-213.000.
- Bondly, James: *See—*
  - Garrett, Philip D.; Snoke, Lance A.; Bondly, James; and Borrud, James C., 4,867,416, Cl. 254-2.00R.
- Bondoc, Alfredo A.; Davis, Duane A.; Frankoski, Stanley P.; and Magnus, Bruno E., to GAF Corporation. Process for the manufacture of asphalt shingles. 4,795,661, 1-3-89, Cl. 427-187.000.
- Bondoc, Alfredo A.; Frankoski, Stanley P.; and Sieling, Frederick W., to GAF Corporation. Roofing shingle. 4,825,616, 5-2-89, Cl. 52-518.000.
- Bondoc, Alfredo A.; Carroll, William R.; and Lloyd, Bobbie J., to GAF Corporation. Laminated roofing hip. 4,835,929, 6-6-89, Cl. 52-518.000.
- Bondoux, Didier: *See—*
  - Chauvet, Alain; and Bondoux, Didier, 4,817,988, Cl. 280-817.000.
- Bonds, James C.: *See—*
  - Ivester, Frank D.; Sransky, Kenneth P.; and Bonds, James C., 4,869,736, Cl. 55-156.000.
- Bondur, James A.; and Martinet, Francois D., to International Business Machines Corporation. Gas mixture and method for anisotropic selective etch of nitride. 4,832,787, 5-23-89, Cl. 156-643.000.
- Bone, David J.; Gibbs, Trevor K.; Buckenham, Howard A.; and Gotley, Paul, to Neotronics Limited. Electrochemical sensors. 4,810,35 3-7-89, Cl. 204-432.000.
- Bone Diagnostic Center: *See—*
  - Malluche, Hartmut H.; and Malluche, Gisela, 4,839,194, Cl. 427-2.000.
- Bone, Matthew F.: *See—*
  - Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., 4,824,217, Cl. 350-350.500.
  - Coates, David; and Bone, Matthew F., 4,882,207, Cl. 428-1.000.
  - Crossland, William A.; Davey, Anthony B.; and Bone, Matthew F., 4,799,775, Cl. 350-350.00S.
  - Davey, Anthony B.; and Bone, Matthew F., 4,852,978, Cl. 350-350.00R.
- Bone, Michael C.: *See—*
  - Heeks, John S.; Bone, Michael C.; Jones, Emlyn; and Parker, James W., 4,834,538, Cl. 356-350.000.
- Bone, Robert L., to Hughes Aircraft Company. Low voltage power down logic control circuit. 4,831,595, 5-16-89, Cl. 365-229.000.
- Bonebright, Cynthia A.: *See—*
  - Pyatt, Roger A.; Hardt, Ivan E.; and Bonebright, Cynthia A., 4,807,248, Cl. 375-1.000.
- Boneff, Stoyan, to Degussa Aktiengesellschaft. High pressure sintering furnace. 4,830,342, 5-16-89, Cl. 266-252.000.
- Bonelli, Fabio: *See—*
  - Bernardi, Adriano; Bonelli, Fabio; Pessi, Antonello; and Verdini, Antonio S., 4,843,146, Cl. 530-324.000.
  - Verdini, Antonio S.; Bonelli, Fabio; Pessi, Antonello; Cardinali, Franco; Boraschi, Diana; Censini, Stefano; and Di Trapani, Romano, 4,816,560, Cl. 530-323.000.
- Bonello, Philippe; and Jeanmonod, Maurice, to Sarcem S.A. Guide for a catheter. 4,798,598, 1-17-89, Cl. 604-280.000.
- Bonello, Philippe; and Noirot, Jacques, to Sarcem S.A. Winding device 4,856,721, 8-15-89, Cl. 242-7.140.
- Boner, Heinrich: *See—*
  - Fullemann, Jorg; Boner, Heinrich; and Granwehr, Erik, 4,861,21 Cl. 414-326.000.

- Bonerb, Timothy C., to Flexair, Inc. Bulk storage bin with pneumatically assisted discharge. 4,854,801, 8-8-89, Cl. 414-291.000.
- Bonerb, Timothy C., to Flexair, Inc. Bulk storage bin with pneumatically assisted discharge. 4,861,215, 8-29-89, Cl. 414-288.000.
- Bones, Roger J.; Galloway, Roy C.; Coetzer, Johan; and Teagle, David A., to Lilliwyte Societe Anonyme. Electrochemical cell. 4,795,685, 1-3-89, Cl. 429-104.000.
- Boness, Don W.: *See—*
  - Cano, Renne A.; Boness, Don W.; Major, Robert W.; and Valdez, Gabriel A., 4,887,796, Cl. 256-8.000.
- Bonestroo, David A.: *See—*
  - Kardoes, Oliver A.; Kardoes, Richard T.; and Bonestroo, David A., 4,836,687, Cl. 366-286.000.
- Bonetti, Cesare: *See—*
  - Bonetti, Giulio, 4,870,862, Cl. 73-322.500.
- Bonetti, Giulio, to Bonetti, Cesare. Pressurized magnetic float level indicator for receptacles containing liquids at high pressure and temperature. 4,870,862, 10-3-89, Cl. 73-322.500.
- Bonewicz, Theodore J., Jr.; and Leichter, Henry S., to Al-Mar Precision Co. Carrier for use on beaches, etc. 4,887,837, 12-19-89, Cl. 280-654.000.
- Bonfanti, Cesarina: *See—*
  - Pedretti, Ugo; Bonfanti, Cesarina; Montani, Enrico; Hakemi, Hassan A.; and Roggero, Arnaldo, 4,888,409, Cl. 528-129.000.
- Bonfanti, Lorenzo: *See—*
  - Farina, Daniele; Colombo, Guglielmo; and Bonfanti, Lorenzo, 4,854,375, Cl. 165-53.000.
- Bonfield, William. *See—*
  - Scales, John T.; Bonfield, William; and Wright, Keith W. J., 4,828,564, Cl. 623-20.000.
- Bonfiglioli, Silverio; Fargnoli, Gianni; and Fato, Massimo, to Weber S.r.l. Idling speed control system for an electronic-injection internal combustion engine. 4,886,025, 12-12-89, Cl. 123-339.000.
- Bonfilio, Ciriaco: *See—*
  - Brasse, Jean-Jacques; and Bonfilio, Ciriaco, 4,854,918, Cl. 474-11.000.
  - Brasse, Jean-Jacques; and Bonfilio, Ciriaco, 4,861,317, Cl. 474-11.000.
- Bong, Ban S.; Yu, Francis T.; and Bremer, Robert, to United States of America, Air Force. Temperature compensated stable duty cycle crystal oscillator apparatus. 4,888,566, 12-19-89, Cl. 331-116.00R.
- Bong, Yoo E.: *See—*
  - Sung, Yuhn K.; and Bong, Yoo E., 4,853,501, Cl. 200-38.0FA.
- Bongard, Peter W. Disc brake tool and kit. 4,809,567, 3-7-89, Cl. 81-485.000.
- Bongers, Antonius J. P.; and Roerdink, Eize. High molecular weight polytetramethyleneadipamide pellets. 4,814,356, 3-21-89, Cl. 521-56.000.
- Bongianni, Wayne L., to University of California. Microminiature coaxial cable and method of manufacture. 4,816,618, 3-28-89, Cl. 174-102.00R.
- Bongiorno, Robert A.; and Smith, John F., to Narco Avionics, Inc. Portable navigational communications transceiver. 4,843,399, 6-27-89, Cl. 342-404.000.
- Bonhomme, Michel: *See—*
  - Nobilet, Bernard; Bonhomme, Michel; and Desplat, Philippe, 4,857,458, Cl. 435-311.000.
- Bonica, John P.: *See—*
  - Taylor, Natalee E.; and Bonica, John P., 4,819,622, Cl. 128-75.000.
- Boniello, Barbara; Gum Jr., Ernest; Scarpellino, Richard; Doonan, Barbara; Patterson, John; and Bertkau, Geoffrey, to General Foods Corporation. Natural coffee flavor by fermentation. 4,867,992, 9-19-89, Cl. 426-45.000.
- Bonin, Jacqueline L.: *See—*
  - Gross, Anthony E.; and Bonin, Jacqueline L., 4,875,935, Cl. 75-117.000.
- Bonin, Lucien. System for marking the relative position of a mobile element with respect to a fixed element. 4,833,755, 5-30-89, Cl. 16-344.000.
- Bonin, Paul R. Fireplace heat efficiency device. 4,886,047, 12-12-89, Cl. 126-552.000.
- Bonin, Werner; and Martel, Jacques, to Uclaf, Roussel. Use of pyrethroids in a pour-on parasitic method. 4,826,874, 5-2-89, Cl. 514-521.000.
- Bonin, Werner: *See—*
  - Koch, Volker; Fuss, Andreas; Bonin, Werner; Knauf, Werner; and Waltersdorfer, Anna, 4,855,309, Cl. 514-346.000.
- Boning, Werner; Wagner, Wolfgang; Gandhi, Sharad; Stadlmeier, Hans; and Schonberger, Franz, to Siemens Aktiengesellschaft. DMA control device for the transmission of data between a data transmitter and a data receiver. 4,811,306, 3-7-89, Cl. 364-200.000.
- Boninger, Michael: *See—*
  - Tomei, L. David; Cornhill, Fred; Jagadeesh, Jogikal; and Boninger, Michael, 4,877,966, Cl. 250-458.100.
- Bonini, Giorgio: *See—*
  - Negri, Cesare; Bonini, Giorgio; and Libe, Giorgio, 4,802,407, Cl. 99-453.000.
- Bonini, Julius J.: *See—*
  - Rostoker, William; Bonini, Julius J.; and Jarnholm, Arne R., 4,829,152, Cl. 219-78.020.
- Boniort, Jean-Yves; and Leboucq, Jacques, to Alcatel N.V. Method of manufacturing a high mechanical strength optical fiber by drawing under high tension. 4,874,415, 10-17-89, Cl. 65-3.110.
- Bonissone, Giancarlo; and Mulas, Piero, to F. I. P. Formatura Iniezione Polimeri S.p.A. Device for forming of thermoplastic products equipped with undercuts. 4,822,270, 4-18-89, Cl. 425-289.000.
- Bonissone, Piero P., to General Electric Company. Reasoning system for reasoning with uncertainty. 4,860,213, 8-22-89, Cl. 364-513.000.
- Bonitz, Jorg: *See—*
  - Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
- Bonivert, William D.; Farmer, Joseph C.; and Hachman, John T., to United States of America, Energy. Measuring surfactant concentration in plating solutions. 4,812,210, 3-14-89, Cl. 204-1.00T.
- Bonjouklian, Rosanne; Moore, Richard E.; Mynderse, Jon S.; Patterson, Gregory M. L.; and Smitka, Tim A., to Eli Lilly and Company; and University of Hawaii, a part interest. Hapalindoles. 4,870,185, 9-26-89, Cl. 548-148.000.
- Bonjouklian, Rosanne; Meade, Christopher J. M.; Mihelich, Edward D.; and Phillips, Michael L., to Eli Lilly and Company. Furanone derivatives. 4,874,782, 10-17-89, Cl. 514-473.000.
- Bonjour, Jacques L.; and Baz, Dan G., to Maillefer S.A. Segmented electric cable arrangement. 4,837,405, 6-6-89, Cl. 174-36.000.
- Bonk, Henry W.; Chen, Augustin T.; and Ehrlich, Benjamin S., to Dow Chemical Company, The. Thermoplastic polyurethanes with high glass transition temperatures. 4,822,827, 4-18-89, Cl. 521-170.000.
- Bonke, Carl; Jen, Han; and Goldstone, Marc, to Western Digital Corporation. Multiplexed bus architecture for configuration sensing. 4,866,309, 9-12-89, Cl. 307-475.000.
- Bonkrud, Dennis D.: *See—*
  - Olesak, John; Bonkrud, Dennis D.; De Lain, Richard; and Barnes, William W., II, 4,810,991, Cl. 336-96.000.
- Bonmassari, Gianpaolo: *See—*
  - Quaranti, Giovanni; Gillio, Claudio; and Bonmassari, Gianpaolo, 4,806,030, Cl. 400-144.200.
- Bonn, Brian T., to Seagate Technology, Inc. Air filtration system for disc drives. 4,888,655, 12-19-89, Cl. 360-97.030.
- Bonn, Helmut: *See—*
  - Zeller, Gregor; and Bonn, Helmut, 4,821,016, Cl. 307-10.100.
- Bonnabaud, Thierry: *See—*
  - Maures, Michel; Bonnabaud, Thierry; and Gendreau, Francois, 4,826,637, Cl. 264-3.400.
- Bonnar, William R.: *See—*
  - McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., 4,821,364, Cl. 15-322.000.
  - McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., 4,821,367, Cl. 15-353.000.
- Bonnard, P.: *See—*
  - Bonnard, Rene; Bonnard, Pierre; and Desclozeaux, Christopher, 4,887,990, Cl. 474-78.000.
- Bonnard, Pierre: *See—*
  - Bonnard, Rene; Bonnard, Pierre; and Desclozeaux, Christopher, 4,887,990, Cl. 474-78.000.
- Bonnard, R.: *See—*
  - Bonnard, Rene; Bonnard, Pierre; and Desclozeaux, Christopher, 4,887,990, Cl. 474-78.000.
- Bonnard, Rene; Bonnard, Pierre; and Desclozeaux, Christopher, to Bonnard, R.; Bonnard, P.; Desclozeaux, C.; and BG Innovations (SARL). Gear-shift control bicycles and similar vehicles. 4,887,990, 12-19-89, Cl. 474-78.000.
- Bonnardel, Roland, to Selectrons Ltd. Installation for carrying out localized electrolytic surface treatments. 4,810,343, 3-7-89, Cl. 204-224.00R.
- Bonnargent, Alain: *See—*
  - Foucault, Joel; and Bonnargent, Alain, 4,805,945, Cl. 285-341.000.
- Bonnaud, Micheline: *See—*
  - Sauvinet, Vincent; Bletry, Jean; Bonnaud, Micheline; and Trouve, Maurice, 4,859,499, Cl. 427-108.000.
- Bonnaure, Christian: *See—*
  - Lioret, Jean-Claude; and Bonnaure, Christian, 4,833,321, Cl. 250-258.000.
- Bonnaval-Lamothe, Michel. Process and device for the transmission of coded information. 4,817,170, 3-28-89, Cl. 382-11.000.
- Bonne, Claude; Coquelet, Claude; and Latour, Elisabeth, to Laboratories Chauvin. Process and pharmaceutical compositions for the treatment of glaucoma. 4,871,742, 10-3-89, Cl. 514-262.000.
- Bonne, Harry; and Nothnagel, Manfred, to Jacobs Suchard GmbH. Infusion bag for making in particular coffee beverages. 4,844,914, 7-4-89, Cl. 426-79.000.
- Bonneau, Alain, to Societe d'Etudes Techniques et d'Entreprises Generales Sodeteg. Folding radome. 4,833,837, 5-30-89, Cl. 52-2.00G.
- Bonneau, Alian; and Paseri, Jacques, to Societe d'Etudes Techniques et d'Entreprises Generales Sodeteg. Method to test the polishing of a mirror and system to use this method. 4,799,792, 1-24-89, Cl. 356-124.000.
- Bonneau, Edward L., III: *See—*
  - Greig, Donald G.; and Bonneau, Edward L., III, 4,874,627, Cl. 426-565.000.
- Bonneau, Pierre P. Inflatable swimming pool cover. 4,825,479, 5-2-89, Cl. 4-499.000.
- Bonnebat, Claude; Macabrey, Louis; and Roullet, Gilbert, to Rhone-Poulenc, S.A. Method of extruding and blow molding of gas-impermeable composite articles having water-resistant polyvinyl alcohol film layer. 4,871,410, 10-3-89, Cl. 156-244.140.
- Bonnefous, Odile M. A.; and Pesque, Patrick R., to U.S. Philips Corporation. Examining moving objects by ultrasound echography. 4,803,990, 2-14-89, Cl. 128-661.080.

Bonnefous, Odile M. A.: *See—*
Pesque, Patrick R.; and Bonnefous, Odile M. A., 4,883,060, Cl. 128-660.010.

Bonnefoy, Alain, to Cartier International B.V. Method of setting precious stones, as well as jewelry made by this method. 4,821,533, 4-18-89, Cl. 63-3.000.

Bonnefoy-Claudet, Jean-Paul; and Mestais, Corinne, to Commissariat a L'Energie Atomique. Process and device for taking into account locating pulses supplied by a gamma camera. 4,882,680, 11-21-89, Cl. 364-413.240.

Bonnefoy, Jean, to Bull S.A. Device for ventilating components arranged in rows on a substrate. 4,835,658, 5-30-89, Cl. 361-383.000.

Bonnefoy, Jean, to Bull S.A. Method and apparatus for measuring the thermal resistance of an element such as large scale integrated circuit assemblies. 4,840,495, 6-20-89, Cl. 374-43.000.

Bonnefoy, Jean-Louis; and Prulhiere, Jean-Paul, to Commissariat A l'Energie Atomique. Sensor for the contactless linear measurement of the distance of a target by backscattered radiation. 4,822,170, 4-18-89, Cl. 356-375.000.

Bonnejean, Claude: *See—*
Blanc, Floreal; and Bonnejean, Claude, 4,797,547, Cl. 250-221.000.

Bonnell, Donald G. Device for collecting viscous fluids. 4,832,095, 5-23-89, Cl. 141-106.000.

Bonnell, Leonard, to Leonard Medical. Arm device for adjustable positioning of a medical instrument or the like. 4,863,133, 9-5-89, Cl. 248-278.000.

Bonnell, Leonard J.: *See—*
Johnson, Lanny L.; Brissette, Robert E.; and Bonnell, Leonard J., 4,842,578, Cl. 604-22.000.

Bonnem, Eric, to Schering Corporation. Treatment of cancer with interferon and radiotherapy. 4,846,782, 7-11-89, Cl. 600-1.000.

Bonnemain, Bruno; Lautrou, Jean; and Meyer, Dominique, to Guerbet S.A. Lysine salt of the gadolinium-dota complex and its diagnostic applications. 4,877,600, 10-31-89, Cl. 424-4.000.

Bonnemoy, Marc A. Equipment for automatic personalizing of credit cards. 4,866,259, 9-12-89, Cl. 235-475.000.

Bonner, Brian J.: *See—*
Mooney, Charles W.; and Bonner, Brian J., 4,869,612, Cl. 401-130.000.

Bonner, David W. Internally indexed building block and method of construction. 4,887,403, 12-19-89, Cl. 52-286.000.

Bonner, George; Rodriguez, Milo R.; and Kisling, Douglas L., to United States of America, Air Force. Anti-rotation guide vane bushing. 4,808,069, 2-28-89, Cl. 415-160.000.

Bonner, Lester K. Stove with external tubes for increasing heat dissipation. 4,827,900, 5-9-89, Cl. 126-60.000.

Bonnes, David R., to Union Fork & Hoe Company, The. Lawn rake head of molded synthetic resin composition. 4,831,815, 5-23-89, Cl. 56-400.170.

Bonnes, Eugene D.: *See—*
Orav, Mihkel; and Bonnes, Eugene D., 4,825,682, Cl. 72-477.000.

Bonnesen, John S.: *See—*
Rust, Wayne; and Bonnesen, John S., 4,862,311, Cl. 361-91.000.

Bonnet, Bernard, to Framatome. Element for filtering stress variations in a bolted assembly. 4,840,521, 6-20-89, Cl. 411-14.000.

Bonnet, Catherine: *See—*
Ravet, Georges; Bonnet, Catherine; and Mongoin, Jacques, 4,842,651, Cl. 106-487.000.

Bonnet, Evelyne; and Tilquin, Francois, to Atochem. Homogeneous microemulsion compositions based on halogenated polyhydroxylated compounds and halogenated alkanes and their application to the manufacture of rigid foams. 4,826,623, 5-2-89, Cl. 252-308.000.

Bonnet Jacques, to Rowenta-Werke GmbH. Vacuum cleaner. 4,835.814, 6-6-89, Cl. 15-339.000.

Bonnet, Jean-Pierre: *See—*
Prevot, Julien; and Bonnet, Jean-Pierre, 4,868,528, Cl. 332-163.000.

Bonnet, Julio C.: *See—*
Tavlarides, Lawrence L.; and Bonnet, Julio C., 4,852,396, Cl. 73-61.10R.

Bonnet, Radelani A.; and Macchi, Odile M., to Centre National de la Recherche Scientifique. Echo suppressor with adaptive digital filter for transmission system. 4,852,081, 7-25-89, Cl. 370-32.100.

Bonnet, Roger J. A.: *See—*
Vinzia, Francis D.; and Bonnet, Roger J. A., 4,861,152, Cl. 351-161.000.

Bonnet, Thierry: *See—*
Duthuit, Olivier; Bonnet, Thierry; and Martin, Philippe, 4,812,988, Cl. 364-522.000.

Bonnett, Raymond; and Berenbaum, Morris C., to Efamol Limited. Methods of treating tumors susceptible to necrosis. 4,837,221, 6-6-89, Cl. 514-410.000.

Bonneville International Corporation: *See—*
Collett, Michael F.; and Rankin, Peggy J., 4,838,420, Cl. 206-387.000.

Bonnici, Gerald P.: *See—*
Bradley, David W.; Melotti, Angelo R.; Lecere, Oliver; and Bonnici, Gerald P., 4,881,774, Cl. 297-341.000.

Bonnie, Gene P.: *See—*
Keel, Beat G.; Tran, Tuan P.; Bonnie, Gene P.; and Schwarz, Edward L., 4,819,111, Cl. 360-125.000.

Bonnin, Jean-Francois: *See—*
Jubert, Xavier; and Bonnin, Jean-Francois, 4,869,431, Cl. 239-533.130.

Bonnyay, Peter: *See—*
Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.

Bonnyman, John; and Baldas, John, to Commonwealth of Australia, The. Preparation of ^{99m}Tc radiopharmaceuticals. 4,851,515, 7-25-89, Cl. 534-14.000.

Bono, Salvatore. Portable disinfecting device for a toilet seat and other surfaces. 4,873,728, 10-17-89, Cl. 4-233.000.

Bonoan, Vincent J. Apparatus for playing golf from a golf cart. 4,873,964, 10-17-89, Cl. 124-20.00R.

Bonometti, Emil; and Seiler, Herbert, to Ciba-Geigy Corporation. Process for the preparation of fluorotriazine using alkali metal fluoride salts. 4,843,148, 6-27-89, Cl. 534-598.000.

Bonomi, Christiano: *See—*
Bonomi, Giovanni B.; Giacomini, Luigi; Bonomi, Christiano; Aresa, Carmine; and Frigo, Valerio, 4,885,836, Cl. 29-524.100.

Bonomi, Giovanni B.; Giacomini, Luigi; Bonomi, Christiano; Aresa, Carmine; and Frigo, Valerio, to IMTA. Riveting process and apparatus. 4,885,836, 12-12-89, Cl. 29-524.100.

Bonomi, Marco J.: *See—*
Ashenfelter, Robert C.; Bonomi, Marco J.; and Bowker, Duane O., 4,864,561, Cl. 370-81.000.

Bonomo, Donald J.; and Paulson, Robert C., to Cox-Uphoff International. Method of using a subperiosteal tissue expander. 4,798,205, 1-17-89, Cl. 128-344.000.

Bononi, Walter H. Device on a pair of glasses. 4,818,092, 4-4-89, Cl. 351-136.000.

Bonora, Anthony C.; and O'Sullivan, Andrew W., to Asyst Technologies. Manipulator for standard mechanical interface apparatus. 4,802,809, 2-7-89, Cl. 414-217.000.

Bonora, Anthony C.; and Rosenquist, Fred T., to Asyst Technologies. Apparatus for transporting a holder between a port opening of a standardized mechanical interface system and a loading and unloading station. 4,859,137, 8-22-89, Cl. 414-648.000.

Bonse, Gerhard: *See—*
Muller, Nikolaus; Bonse, Gerhard; Andrews, Peter; Stendel, Wilhelm; and Steffens, Robert, 4,804,655, Cl. 514-100.000.

Bonser, John R., to PJF International Corporation. Novel flexible magnet for use in small dc motors. 4,881,988, 11-21-89, Cl. 148-300.000.

Bonsi, Conrad K.: *See—*
Morris, Carlton E.; Loretan, Philip A.; Bonsi, Conrad K.; and Hill, Walter A., 4,860,490, Cl. 47-63.000.

Bonsor, Clive W. L., to Premier Percussion Limited. Musical drum. 4,869,146, 9-26-89, Cl. 84-413.000.

Bonstead, Douglas L.; Mastin, Ronald D.; and Langren, Carl W., to Deflecta-Shield Corporation. Extruded bug and gravel shield. 4,846,522, 7-11-89, Cl. 296-91.000.

Bont, Willy S.: *See—*
Figdor, Carl G.; and Bont, Willy S., 4,850,952, Cl. 494-37.000.

Bonta, Jeff D.: *See—*
Menich, Barry J.; Wood, Daniel E.; Tayloe, Daniel R.; Bonta, Jeff D.; and Lev, Valy, 4,843,633, Cl. 455-33.000.

Bontemps, Guy: *See—*
Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,810,575, Cl. 428-357.000.
Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,825,635, Cl. 57-315.000.
Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,840,021, Cl. 57-210.000.

Bontemps, Raymond. Device designed for subcutaneous transfer of medicinal substances. 4,850,956, 7-25-89, Cl. 604-20.000.

Bontemps, Raymond. Device designed to preserve cosmetic substances that can be frozen. 4,886,168, 12-12-89, Cl. 206-568.000.

Bontems, Maurice: *See—*
Bauer, Jean-Michel; Bontems, Maurice; Desmicht, Denis; Maire, Jacques; Mollet, Serge; and Verna, Maurice, 4,865,739, Cl. 210-490.000.

Bontenbal, Pieter J., to Shell Oil Company. Method and apparatus for installing a flowline near the waterbottom. 4,877,356, 10-31-89, Cl. 405-169.000.

Bonville, Leonard J.; Grasso, Albert P.; and Sederquist, Richard A., to International Fuel Cells Corporation. Removal of ammonia and carbon dioxide from fuel cell stack water system by steam stripping. 4,816,040, 3-28-89, Cl. 55-42.000.

Bonvouloir, James: *See—*
Raj, Kuldip; Bonvouloir, James; Moskowitz, Ronald; and Bloom, Frank, 4,865,334, Cl. 277-80.000.

Boo, William O. J. Construction kit educational aid and toy. 4,836,717, 6-6-89, Cl. 434-403.000.

Boob, Douglas L.; and Wagner, David L., to Boeing Company, The. Rivet manifold feed device. 4,830,547, 5-16-89, Cl. 406-74.000.

Boochard, E. L., to Jackson Products, Inc. Welding helmet. 4,853,973, 8-8-89, Cl. 2-8.000.

Boocock, John R., to Du Pont Canada, Inc. Process for sulphonating molten polyolefins. 4,801,656, 1-31-89, Cl. 525-344.000.

Boocock, John R. B., to Du Pont Canada Inc. Continuous process for the dyeing of polymers. 4,802,886, 2-7-89, Cl. 8-489.000.

Boocock, John R. B., to DuPont Canada Inc. Process for the dyeing of polymers of propylene, butene-1 and 4-methyl-pentene-1 using basic dye in an aqueous dye bath. 4,872,880, 10-10-89, Cl. 8-513.000.

Boogerman, Allan A.; and Lanerd, Lawrence L., to Graco Inc. Keyed shaft coupling. 4,848,951, 7-18-89, Cl. 403-24.000.

Booher, Benjamin V., to Suspension Group, Ltd. Active vehicle suspension with composite control arm. 4,861,067, 8-29-89, Cl. 280-707.000.

Booher, Benjamin V., to Suspension Group, Ltd. Composite tractor/-trailer beam spring suspension system. 4,889,361, 12-26-89, Cl. 280-718.000.

Book, Theodore L., Sr., to Babcock & Wilcox Company, The. Power plant interactive display. 4,853,175, 8-1-89, Cl. 376-216.000.

Book, William J.; and Hatfield, John W., to Westinghouse Electric Corp. Reinforced wall structure for a transformer tank. 4,834,257, 5-30-89, Cl. 220-85.0TC.

Bookbinder, Dana C.: *See—*
Gallucci, Robert R.; and Bookbinder, Dana C., 4,806,597, Cl. 525-57.000.
Gallucci, Robert R.; and Bookbinder, Dana C., 4,869,963, Cl. 428-412.000.

Bookbinder, David. Stand for motorcycle. 4,817,977, 4-4-89, Cl. 280-304.000.

Booker, Larry W.: *See—*
Machado, Octavio J.; Flynn, William M.; Flanders, Harry E., Jr.; and Booker, Larry W., 4,820,472, Cl. 376-272.000.

Booker, Philip H., III: *See—*
Roberts, Richard R.; Frank, Robert J.; Booker, Philip H., III; and Hemner, Rodney A., 4,806,112, Cl. 439-144.000.

Bookstaber, Stanley A. Retention system for dental prosthesis. 4,863,382, 9-5-89, Cl. 433-172.000.

Bookwalter, George N.; and Lyle, Steven A., to United States of America, Agriculture. Formulated milk concentrate and beverage. 4,842,884, 6-27-89, Cl. 426-585.000.

Booman, Richard A.; and Blazo, Stephen F., to Tektronix, Inc. Optical waveguide photocathode. 4,868,380, 9-19-89, Cl. 250-211.00R.

Boomgaard, Dirk J.: *See—*
Johnson, Richard A.; Anderson, Arthur A.; and Boomgaard, Dirk J., 4,885,563, Cl. 340-310.00A.

Boomgaarden, Jonathan C.; Bandoian, Marlene R. A.; and Ambrose, David W., to General Electric Company. Power assist handle. 4,829,844, 5-16-89, Cl. 74-470.000.

Boon, Cornelis A. M.; and Nordholt, Ernst H., to U.S. Philips Corp. Amplitude stabilized oscillator having positive and negative feedback. 4,816,779, 3-28-89, Cl. 331-109.000.

Boon, Cornelis A. M.; Boudewijns, Arnoldus J. J.; and Frensch, Adrianus J., to U.S. Philips Corporation. Picture display device with symmetrical deflection. 4,833,371, 5-23-89, Cl. 315-403.000.

Boon, Cornelis A. M.; and Boudewijns, Arnoldus J. J., to U.S. Philips Corporation. Field deflection circuit in a picture display device. 4,835,727, 5-30-89, Cl. 364-858.000.

Boon, David G. Dental-porcelain color matching system. 4,802,850, 2-7-89, Cl. 433-26.000.

Boon, Wyndham; Gartland, Robert J.; and Pesata, Patrick J., Jr., to Goodyear Tire & Rubber Company, The. Tire having cured photopolymer air barrier coating. 4,874,670, 10-17-89, Cl. 428-423.900.

Boone, Bruce T.; Nafziger, Steven; Rak, Thomas A.; and McMennamy, John A., to Movats Incorporated. Ultrasonic testing system with variable angle transducer mount. 4,852,416, 8-1-89, Cl. 73-866.500.

Boone, David D., to Lynx Golf, Inc. Gold club iron head. 4,883,275, 11-28-89, Cl. 273-172.000.

Boone, Delores A. Cover for body fluid drainage bag and tubing. 4,874,387, 10-17-89, Cl. 604-326.000.

Boone, James E.; Owens, David W.; Farritor, Robert E.; and Blank, Wesley D., to Ethyl Corporation. Fluidized bed reactor. 4,806,317, 2-21-89, Cl. 422-145.000.

Boone, Luc: *See—*
Frankel, Juergen; Mattelin, Antoon; Pecceu, Pol; Quella, Ferdinand; Schmidt, Hans-Friedrich; Boone, Luc; Von Tomkewitsch, Sybille; and De Vogelaere, Marc, 4,853,252, Cl. 427-53.100.

Boone, Mark B., to Allied-Signal Inc. Method and apparatus for measuring the cut resistance of flexible materials. 4,864,852, 9-12-89, Cl. 73-159.000.

Boone, Stephen D., to Instant Product Inc. Greeting card arrangement. 4,870,764, 10-3-89, Cl. 40-124.100.

Boonen, Rene M. F.: *See—*
Aldenhoven, Ghislanus M. M.; Einhaus, Hermanus F.; and Boonen, Rene M. F., 4,835,760, Cl. 369-75.200.

Boonvichitr, Saovaluck: *See—*
Phadoemchit, Tajchai; and Boonvichitr Saovaluck, 4,842,648, Cl. 106-244.000.

Booren, Jack C., to Immunotec, Inc. Oral hyposensitization in the treatment of allergies. 4,822,611, 4-18-89, Cl. 424-195.100.

Boos, John B.; Papanicolaou, Nicolas A.; and Weng, Tung H., to United States of America, Navy. A TiW diffusion barrier for AuZn ohmic contacts to p-type InP. 4,816,881, 3-28-89, Cl. 357-22.000.

Boos, Margareta: *See—*
Buhler, Ulrich; Kruse, Hubert; Kuhn, Reinhard; and Boos, Margareta, 4,851,012, Cl. 8-639.000.

Boos, Michael; Klug, Werner; and Zoller, Alfons, to Leybold-Heraeus GmbH. Photometer. 4,832,490, 5-23-89, Cl. 356-325.000.

Boos, Sigmund. Slit-type nozzle for an extruder. 4,863,361, 9-5-89, Cl. 425-141.000.

Boost, Franz-Wilhelm: *See—*
Schneider, Gerd; Boost, Franz-Wilhelm; and Leimbach, Frank, 4,818,705, Cl. 436-164.000.

Boostrom, Roy E., to Perkin-Elmer Corporation, The. Scanning array spectrophotometer. 4,798,464, 1-17-89, Cl. 356-328.000.

Boot, Jay L.; Ripka, Chester D.; and Shapiro, Ian M., to Carrier Corporation. Capacity control for integrated furnace. 4,880,157, 11-14-89, Cl. 236-25.00R.

Boote, Stephen R.: *See—*
Oliver, Martin J.; Brazier, Kevin E.; and Boote, Stephen R., 4,827,208, Cl. 324-73.00R.

Booth, Alfred E., Jr.; and Booth, Robert L., to Products by DesignAir, Inc. Air-freshener apparatus. 4,869,407, 9-26-89, Cl. 222-633.000.

Booth, Anthony J.: *See—*
McNally, Lance; Booth, Anthony J.; and Morley, Peter S., 4,879,716, Cl. 371-8.200.

Booth, Barrett L.: *See—*
Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; and Booth, Barrett L., 4,851,748, Cl. 318-568.200.
Lancraft, Roy E.; Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; Booth, Barrett L.; Bergman, Norman J.; and Nuncy, Marcus D., 4,868,474, Cl. 318-568.200.

Booth, Bruce L.; and Marchegiano, Joseph E., to Du Pont de Nemours, E. I., and Company. Optical fiber connector assemblies and methods of making the assemblies. 4,883,743, 11-28-89, Cl. 430-321.000.

Booth, Charles R.; and Kiefer, Dale A., to Biospherical Instruments Inc. Method and apparatus for determining concentrations of chlorophyll and the rate of primary production in water. 4,804,849, 2-14-89, Cl. 250-459.100.

Booth, Clarence R. Collapsible pallet and related products. 4,863,024, 9-5-89, Cl. 206-386.000.

Booth, D. A.: *See—*
Hazelton, Donald R.; Puydak, Robert C.; and Booth, D. A., 4,845,145, Cl. 524-426.000.

Booth, Dwight E.; and Lippincott, Gerry N., to Dana Corporation. Method of making an electromagnetic coupling disc. 4,818,840, 4-4-89, Cl. 219-121.720.

Booth, Orville D.: *See—*
Evyan, John J.; and Booth, Orville D., 4,873,748, Cl. 17-49.000.

Booth, Raymond E.; and Miller, Michael E., to Stein Associates, Inc. Breading machine. 4,798,283, 1-17-89, Cl. 198-860.500.

Booth, Richard C.; and Beaumont, Alan R., to British Telecommunications Public Limited Company. Producing lithium niobate waveguide structures. 4,851,079, 7-25-89, Cl. 156-643.000.

Booth, Robert L.: *See—*
Booth, Alfred E., Jr.; and Booth, Robert L., 4,869,407, Cl. 222-633.000.

Booth, Rodney I.; Edwards, David W.; Wrigley, Colin W.; and Orth, Robert A., to Commonwealth Scientific and Industrial Research Organization. Method and apparatus for the determination of viscosity. 4,879,897, 11-14-89, Cl. 73-59.000.

Booth, Ronald P., Sr.; and Calcagno, Joseph S., to Xerox Corporation. Automatically setting the paper path components of a reproduction machine in accordance with the size copy sheet being processed. 4,824,090, 4-25-89, Cl. 271-3.100.

Booth, Thomas L.; and Schlaps, Edgar H., to General Motors Corporation. Flexible tube optical intrusion detector. 4,829,174, 5-9-89, Cl. 250-221.000.

Booth, Vernard, to Georgia-Pacific Corporation. Locking carton bottom. 4,821,949, 4-18-89, Cl. 229-157.000.

Booth, William M., III: *See—*
Davis, Scott J.; Warfield, Wayne N.; and Booth, William M., III, 4,817,629, Cl. 128-748.000.
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Boothroyd, William A.; Camann, James C.; and Palo, Robert A., to International Business Machines Corporation. User transaction guidance. 4,884,199, 11-28-89, Cl. 364-408.000.

Boots Company plc, The: *See—*
Armitage, Bernard J.; Housley, John R.; Jeffery, James E.; and Johnston, David N., 4,833,143, Cl. 514-255.000.
Davies, Roy V., 4,855,291, Cl. 514-312.000.
Davies, Roy V., 4,877,793, Cl. 514-301.000.
Jeffery, James E.; Kozlik, Antonin; and Wilmhurst, Eric C., 4,806,570, Cl. 514-646.000.
Jeffery, James E.; Kozlik, Antonin; and Wilmshurst, Eric C., 4,814,352, Cl. 514-646.000.
Khan, Karrar A.; and Lampard, John F., 4,806,358, Cl. 424-466.000.
McLennan, John M.; Brunt, Keith D.; and Guthrie, Walter G., 4,820,428, Cl. 252-8.551.
Pankhania, Mahendra G.; and Lewis, Colin J., 4,831,058, Cl. 514-570.000.
Pankhania, Mahendra G.; and Meyer, Michael C., 4,839,176, Cl. 424-465.000.
Rees, John A., 4,816,488, Cl. 514-646.000.
Rees, John A., 4,871,774, Cl. 514-646.000.
Stenzenberger, Horst, 4,806.419, Cl. 428-287.000.

Boots, Gerardus A. M. Container for free-flowing materials, powders, pellets and the like. 4,834,255, 5-30-89, Cl. 229-41.00R.

Boots, Robert L.: *See—*
Buckman, William G.; and Boots, Robert L., 4,842,487, Cl. 417-132.000.

Boots, Robert T., to Vermeulen-Hollandia Octrooien II B.V. Open roof construction for a vehicle. 4,844,534, 7-4-89, Cl. 296-214.000.

Booty, Donald J., Jr.: *See—*
Booty, Donald J., Sr.; and Booty, Donald J., Jr., 4,875,871, Cl. 439-209.000.

Booty, Donald J., Sr.; and Booty, Donald J., Jr., to National Service Industries, Inc. Modular electrical conductor system. 4,875,871, 10-24-89, Cl. 439-209.000.

Booze, Raymond F. Auxiliary rifle sight. 4,799,325, 1-24-89, Cl. 42-100.000.

Boozer, James M.; and Mayer, Robert W., to Electro Corporation. Interference avoidance device for use in a sensor system. 4,845,682, 7-4-89, Cl. 367-93.000.

Boozer, Richard D.: *See—*
  Barnard, John K.; Boozer, Richard D.; and Sankar, Sreenivasan, 4,822,175, Cl. 366-347.000.
Bopla Gehause Systeme GmbH: *See—*
  Frankowski, Gunter, 4,816,966, Cl. 361-356.000.
Bopp, Cecil W.: *See—*
  O'Donnell, Jerry L.; and Bopp, Cecil W., 4,852,873, Cl. 272-137.000.
Bopp, Lawrence H., to General Electric Company. Pseudomonas putide capable of degrading PCBs. 4,843,009, 6-27-89, Cl. 435-253.300.
Bopp, Richard C., to General Electric Company. Compositions of polyphenylene ether resin and high impact polystyrene resin having improved ultraviolet light resistance. 4,835,201, 5-30-89, Cl. 524-102.000.
Bopp, Richard C., to General Electric Company. UV light stabilizer composition comprising cyclic aliphatic epoxy, UV screener, and polyalkyldipiperidine (HALS) compounds. 4,843,116, 6-27-89, Cl. 524-102.000.
Bopp, Richard C.; and Yates, John B., III, to General Electric Company. Blends of a silicone-polycarbonate block copolymer with a compatibilized alloy of polyphenylene ether resin/polyester resin. 4,879,346, 11-7-89, Cl. 525-146.000.
Bopp, Richard C.: *See—*
  Allen, Richard B.; Bacskai, Barbara M.; Roberts, Daniel L.; and Bopp, Richard C., 4,857,390, Cl. 428-220.000.
Bopp, Stefan, to Daimler-Benz Aktiengesellschaft. Motor vehicle transmission mounting system. 4,799,571, 1-24-89, Cl. 180-294.000.
Borah, Joshua D.; Merriam, James C.; and Velez, Jose, to Applied Science Group, Inc. Method and system for generating a synchronous display of a visual presentation and the looking response of many viewers. 4,859,050, 8-22-89, Cl. 351-210.000.
Borah, Joshua D.: *See—*
  Velez, Jose; and Borah, Joshua D., 4,852,988, Cl. 351-210.000
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  Verdini, Antonio S.; Bonelli, Fabio; Pessi, Antonello; Cardinali, Franco; Boraschi, Diana; Censini, Stefano; and Di Trapani, Romano, 4,816,560, Cl. 530-323.000.
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  Allen, John V.; Put, Berend; and Boraston, Geoff W., 4,879,958, Cl. 110-245.000.
Boratto, Francisco; Yue, Stephen; and Jonas, John J., to Ipsco Inc. Steel rolling using optimized rolling schedule. 4,840,051, 6-20-89, Cl. 72-11.000.
Borba, Frank X. Device for sensing malfunction of tying apparatus on hay baler. 4,885,991, 12-12-89, Cl. 100-99.000.
Borba, Steven A., to California Natural Snacks, Inc. Apparatus for processing fava bean seeds. 4,848,221, 7-18-89, Cl. 99-625.000.
Borbely, Gabriella: *See—*
  Beyer, Herman; Borbely, Gabriella; Dombi, Sandor; Kalman, Alajos; Meszaros, Gyula; Miasnikov, Peter; and Rozsa, Pal, 4,850,173, Cl. 52-741.000.
Borberg, James R.: *See—*
  Daigger, Glen T.; Borberg, James R.; and Morales, Liliana M., 4,867,883, Cl. 210-605.000.
Borbone, Joseph A.: *See—*
  Clough, Arthur H.; Knight, Edwin L.; and Borbone, Joseph A., 4,831,782, Cl. 51-48.00R.
Borcea, Nicky; and Ionescu, Alexandru D. Gripper device. 4,874,194, 10-17-89, Cl. 294-88.000.
Borchard, John S. Leaf spring. 4,828,057, 5-9-89, Cl. 177-225.000.
Borchard, John S. Combination dust cover and air screen. 4,862,978, 9-5-89, Cl. 177-180.000.
Borchard, John S. Combination dust cover and air screen. 4,862,979, 9-5-89, Cl. 177-181.000.
Borchard, John S. Leaf spring. 4,869,331, 9-26-89, Cl. 177-229.000.
Borchard, John S. Leaf spring. 4,874,051, 10-17-89, Cl. 177-229.000.
Borchardt, John K., to Shell Oil Company. A CO_2 drive process for oil recovery employing an alcohol ethoxycarboxylate surfactant. 4,799,547, 1-24-89, Cl. 166-275.000.
Borchardt, John K., to Shell Oil Company. Method to obtain rapid build-up of pressure in a steam foam process. 4,852,653, 8-1-89, Cl. 166-272.000.
Borchardt, John K., to Shell Oil Company. Selective permeability reduction of oil-free zones of subterranean formations. 4,856,588, 8-15-89, Cl. 166-273.000.
Borchardt, John K.: *See—*
  Kuhlman, Myron I.; Borchardt, John K.; and Falls, Andrew H., 4,856,589, Cl. 166-273.000.
Borchardt, Robert E.; and Schreiber, Eberhardt H. Operating handle for an enclosed electric switch. 4,851,621, 7-25-89, Cl. 200-50.00A.
Borchardt, Ronald T.; and Borcherding, David R., to University of Kansas. Nucleoside analogues having antiviral activity. 4,859,677, 8-22-89, Cl. 514-261.000.
Borcher, Thomas A., Sr.; Trinh, Toan; and Bolich, Raymond E., Jr., to Procter & Gamble Company, The. Articles and methods for treating fabrics in dryer. 4,849,257, 7-18-89, Cl. 427-242.000.
Borcher, Thomas A., Sr.; Delgado, Rodolfo; and Trinh, Toan, to Procter & Gamble Company, The. Soil release polymer compositions having improved processability. 4,863,619, 9-5-89, Cl. 252-8.600.
Borcherding, David R.: *See—*
  Borchardt, Ronald T.; and Borcherding, David R., 4,859,677, Cl. 514-261.000.
Borcherding, Gary W., to Emerson Electric Co. Motor fan retention on a non-stepped shaft. 4,883,408, 11-28-89, Cl. 416-93.00R.
Borchers, Brian D.: *See—*
  Teske, Judy L.; Borchers, Brian D.; Daarte, Don A.; Baxter, Daniel J.; and Ehrich, William G., 4,860,288, Cl. 371-1.000.
Borchers, Jurgen; and Bubolz, Petra, to Pelikan Aktiengesellschaft. Alkaline aqueous universal adhesive containing poly(meth-)acrylate. 4,874,811, 10-17-89, Cl. 524-516.000.
Borchers, Peter: *See—*
  Sansevero, Frank M.; Seehausen, Klaus; Rivera, James A.; Nguyen, Dat; and Borchers, Peter, 4,883,160, Cl. 198-328.000.
Borchert, Werner, to GEA Energiesystemtechnik GmbH & Co. Apparatus for removing solid particles from cooling water. 4,849,105, 7-18-89, Cl. 210-408.000.
Borcuch, John P.; and Thompson, David R., to Union Carbide Corporation. Method and apparatus for reliable gas supply. 4,821,523, 4-18-89, Cl. 62-52.000.
Bordas, Barna: *See—*
  Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.
  Matolcsy, Gyorgy; Bordas, Barna; Gimesi, Antal; Kovacs, Magdolna; and Tuske, Marton, 4,843,177, Cl. 564-209.000.
Bordeaux, Theodore A., to R & D Associates. Real time computer speech recognition system. 4,852,170, 7-25-89, Cl. 381-41.000.
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  Kang, Samsuk; and Bordelon, Frank M., 4,841,763, Cl. 73-49.300.
Bordelon, Kevin N.: *See—*
  Post, Robert C.; Bordelon, Kevin N.; and Moon, Burl M., 4,823,736, Cl. 118-730.000.
Borden BV: *See—*
  van Eijsden, Cornelis; and Mersman, Jan C., 4,872,302, Cl. 53-441.000.
Borden Company Limited: *See—*
  Navratil, Martin; Baytycky, Jimmy P.; Sovak, Mojmir; and Mitchell, Mark, 4,811,787, Cl. 166-273.000.
  Navratil, Martin; Mitchell, Mark S.; and Sovak, Mojmir, 4,836,285, Cl. 166-295.000.
  Navratil, Martin; Mitchell, Mark S.; and Sovak, Mojmir, 4,858,693, Cl. 166-295.000.
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  Favstritsky, Nicolai A.; Nulph, Robert J.; and Borden, Dennis M., 4,831,072, Cl. 524-412.000.
  Favstritsky, Nicolai A.; and Borden, Dennis M., 4,832,873, Cl. 252-601.000.
  Termine, Enrico J.; Faystritsky, Nicolai A.; and Borden, Dennis M., 4,880,862, Cl. 524-373.000.
Borden, Inc.: *See—*
  Andersen, Delmar L.; Keller, David J.; and Streiff, Paul J., 4,851,243, Cl. 426-74.000.
  Andersen, Delmar L.; Keller, David J.; and Streiff, Paul J., 4,888,194, Cl. 426-570.000.
  Duncan, Thomas F.; and Kline, Regis F., 4,812,366, Cl. 428-528.000.
  Gallant, William E., 4,887,333, Cl. 17-74.000.
  Laitar, Robert A., 4,862,948, Cl. 164-526.000.
  Lee, Yanien; Merritt, Carleton G.; and Dermody, Nancy E., 4,840,808, Cl. 426-270.000.
  Lemon, Peter H. R. B.; and Towey, Michael, 4,831,067, Cl. 523-156.000.
  Mohler, Paul J.; Romz, Thomas A.; and Lithgow, Baird E., 4,855,354, Cl. 525-54.240.
  Morse, David R., 4,822,691, Cl. 428-522.000.
  Mottur, George P.; Peters, Norman E.; and Nietz, Ron L., 4,803,091, Cl. 426-439.000.
  Mottur, George P.; Kishbaugh, Dennis L.; Cope, Hilbert J., Jr.; and Cooper, Edward W., 4,844,930, Cl. 426-438.000.
  Subramaniam, Anandaraman; Ozogar, Robert M.; and Bergsbaken, Carlton K., 4,853,232, Cl. 426-35.000.
  Tedeschi, Vincent; and Chapman, Dwight E., 4,844,972, Cl. 428-246.000.
Borden, Peter; Szalai, Laszlo; and Munson, Jon, to High Yield Technology. Compact particle flux monitor. 4,804,853, 2-14-89, Cl. 250-574.000.
Borden, Peter; and Munson, Jon, to High Yield Technology. Real time particle fallout monitor with tubular structure. 4,825,094, 4-25-89, Cl. 250-573.000.
Borden, Peter G., to High Yield Technology. Apparatus for scanning a flat surface to detect defects. 4,812,664, 3-14-89, Cl. 250-572.000.
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Borden, William. Drive assembly. 4,813,917, 3-21-89, Cl. 474-160.000.
Bordenick, John E., to United States of America, Energy. Measuring electrode assembly. 4,814,058, 3-21-89, Cl. 204-401.000.
Border, Robert, to Biomet, Inc. Variable wall thickness interlocking intramedullary nail. 4,875,474, 10-24-89, Cl. 128-92.00Y.
Border, Solly, to Instabar Corporation. Refrigerated table-bar. 4,848,091, 7-18-89, Cl. 62-3.200.

Bordere, Serge; Pagniez, Guy; and Potin, Philippe, to Atochem. Purification of crude polyorganophosphazenes. 4,889,910, 12-26-89, Cl. 528-168.000.
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  Carter, Guy T.; Borders, Donald B.; Goodman, Joseph J.; and Labeda, David P., 4,859,598, Cl. 435-252.100.
  Kirby, Jane P.; Borders, Donald B.; Lee, May D.; Maiese, William M.; Testa, Raymond T.; and Labeda, David P., 4,870,019, Cl. 435-252.100.
  Lee, Taikwang M.; Goodman, Joseph J.; Greenstein, Michael; and Borders, Donald B., 4,845,037, Cl. 435-252.100.
Bordignon, Abramo, to A.T.B. S.p.A. Mask for magnetic tape cassettes. 4,881,146, 11-14-89, Cl. 360-132.000.
Bordignon, Abramo, to A.T.B. S.p.A. Mask structure for cassettes of magnetic tape. 4,882,645, 11-21-89, Cl. 360-132.000.
Bordini, Fausto, to I.M.A.-Industrie Macchine Automatiche SpA. Device for detecting the presence of products in related seats and any irregularity in the base section of these products when already located in their related seats. 4,847,487, 7-11-89, Cl. 250-223.00R.
Bordini, Giorgio, to Tetra Dev-Co. Method and an arrangement for a filling valve in a packing machine. 4,838,325, 6-13-89, Cl. 141-90.000.
Bordoni, Maurice: *See—*
  Lieberman, Ephraim; Bordoni, Maurice; and Thornton, Alfred, 4,849,209, Cl. 424-1.100.
Bordoni, Maurice E.; and Lieberman, Ephraim, to Cadema Medical Products, Inc. Aerosol inhalation apparatus. 4,823,784, 4-25-89, Cl. 128 200.140.
Bordoni, Teresa: *See—*
  Bargiotti, Alberto; Bordoni, Teresa; Zini, Pierangelo; and Penco, Sergio, 4,839,346, Cl. 514-34.000.
Bordt, Manfred: *See—*
  Essig, Gunder; and Bordt, Manfred, 4,809,652, Cl. 123-193.00P.
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  Seaborne, Jonathan; and Borek, James R., 4,806,718, Cl. 219-10.55E.
Borek, Theodore S., Jr. Face mask with integral anti-glare, anti-fog eye shield. 4,813,411, 3-21-89, Cl. 128-206.190.
Borel, Georg, to Hermann Wangner GmbH & Co. KG. Fabric for the sheet forming section of a papermaking machine. 4,815,503, 3-28-89, Cl. 139-383.00A.
Borel, Michel; Boronat, Jean-Francois; Meyer, Robert; and Rambaud, Philippe, to Commissariat a l'Energie Atomique. Process for the production of a display means by cathodoluminescence excited by field emission. 4,857,161, 8-15-89, Cl. 204-192.260.
Boreland, Charles P., to General DataComm, Inc. Serial arithmetic processor. 4,858,163, 8-15-89, Cl. 364-715.030.
Boreland, Charles P., to General DataComm, Inc. Parallel arithmetic-logic unit for as an element of digital signal processor. 4,888,722, 12-19-89, Cl. 364-736.500.
Borella, Luis E.: *See—*
  Mir, Ghulam N.; Borella, Luis E.; DiJoseph, John F.; and Reuter, Gerald L., 4,857,324, Cl. 424-690.000.
Borello, Kelli J.: *See—*
  Liang, Rong-Chang; Colyer, Emerson K.; and Borello, Kelli J., 4,853,364, Cl. 503-216.000.
Boren, John P. Cervical traction unit. 4,869,240, 9-26-89, Cl. 128-75.000.
Borenstein, Noah: *See—*
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  Massey, James L.; and Rueppel, Rainer A., 4,797,922, Cl. 380-46.000.
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  Herrington, Richard A.; Flaugher, Jeffrey R.; Borer, John W.; Woodward, Alan C.; and Greenhalgh, Geoffrey, 4,888,038, Cl. 65-114.000.
Borer, Timothy J.: *See—*
  Thomas, Graham A.; and Borer, Timothy J., 4,873,573, Cl. 358-133.000.
Bores, Pedro S. Seawall, pier, or basalt column landscape. 4,801,220, 1-31-89, Cl. 405-31.000.
Bores, Pedro S. Energy-dissipating overflow-type protection system on dikes and/or jetties. 4,834,578, 5-30-89, Cl. 405-30.000.
Bores, Pedro S. Quadrangular stepped mosaic breakwater. 4,875,804, 10-24-89, Cl. 405-31.000.
Boretzky, Leon N.; and Wytiaz, Mark J., to Mobay Corporation. Thermally flexible polyurethane coatings for substrates containing aramid fibers. 4,816,325, 3-28-89, Cl. 428-423.100.
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Borg, Evrard: *See—*
  Anfosso, Roger; Borg, Evrard; Doute, Jean-Rene; Zwiller, Charles; and Gouallec, Jean-Pierre, 4,832,265, Cl. 239-271.000.
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Borg, Wade P., to Hughes Aircraft Company. Test socket for leadless chip carrier. 4,818,238, 4-4-89, Cl. 439-42.000.
Borg-Warner Automotive GmbH: *See—*
  Bauer, Walter, 4,878,282, Cl. 29-149.50C.
  Leitz, Hermann; Krayer, Erich; and Kohler, Rudolf, 4,875,564, Cl. 192-45.100.
Borg-Warner Automotive, Inc.: *See—*
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  Butterfield, Roger P.; Neumann, Guenter J.; and Wykstra, Curt A., 4,873,879, Cl. 74-689.000.
  Churchill, Bruce A.; and Raugh, Jeffery D., 4,854,192, Cl. 74-752.00E.
  Durum, Metin M., 4,795,012, Cl. 192-55.000.
  Fox, Clarence D., 4,878,511, Cl. 137-38.000.
  Jenkins, Patrick A.; and Aubel, John A., 4,813,453, Cl. 137-588.000.
  Lanzerath, Gunter; Patzer, Helmut; and Muller, Rudolf, 4,866,831, Cl. 29-159.200.
  Leitz, Hermann; and Moser, Herbert, 4,819,776, Cl. 192-45.000.
  Mott, Philip J., 4,813,914, Cl. 474-8.000.
  Petzold, Werner P.; and Umlauf, William P., 4,811,225, Cl. 364-424.100.
  Rea, Jeffrey E., 4,811,615, Cl. 74-375.000.
  Schneider, Karl F.; Haley, William J.; and Miller, Alan L., 4,875,561, Cl. 192-0.033.
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  Vlamakis, Maria S., 4,856,635, Cl. 192-70.120.
Borg-Warner Chemicals Europe BV: *See—*
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Borg-Warner Chemicals, Inc.: *See—*
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  Coster, Harmen Z. K., 4,824,907, Cl. 525-86.000.
  Grant, Thomas S.; Jalbert, Ronald L.; and Whalen, David, 4,798,865, Cl. 525-92.000.
  Grant, Thomas S.; and Jalbert, Ronald L., 4,826,933, Cl. 525-397.000.
  Myers, Charles L., 4,833,223, Cl. 526-301.000.
  Mylonakis, Stamatios G.; and Mrozack, Susan R., 4,866,126, Cl. 525-68.000.
  Parsons, Charles F., 4,886,855, Cl. 525-67.000.
Borg-Warner Corporation: *See—*
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  Fox, Clarence D., 4,875,499, Cl. 137-82.000.
  Ledvina, Timothy J.; and Mead, Robert H., 4,832,668, Cl. 474-155.000.
  Underwood, Herbert N., 4,815,954, Cl. 418-196.000
Borg-Warner Transmission and Engine Components Corporation: *See—*
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  Gro[illegible], David M., 4,821,857, Cl. 192-45.000.
  Hoffmann, Peter D.; and Smith, Franklin R., 4,869,708, Cl. 474-140.000.
Borgardt, Frank G., to United States of America, Air Force. Captive volume device as a safe life monitor. 4,821,671. 4-18-89, Cl. 116-270.000.
Borgen, Arden L., to Borgen, Margaret P. Product display and marketing device. 4,818,043, 4-4-89, Cl. 312-138.00R.
Borgen, Margaret P.: *See—*
  Borgen, Arden L., 4,818,043, Cl. 312-138.00R.
Borgens, Pauline B.: *See—*
  Simpson, Howard D.; and Borgens, Pauline B., 4,879,265, Cl. 502-211.000.
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Borgers, Leo; and Dhondt, Paul J., to Avery International Corporation. Stretchable diaper tab. 4,795,456, 1-3-89, Cl. 604-390.000.
Borgers, Manfred: *See—*
  Baule, Heinrich; and Borgers, Manfred, 4,849,947, Cl. 367-178.000.
Borgers, Stephanus M. C.; Habraken, Egidius A. P.; and Woudsma, Roberto, to U.S. Philips Corporation. Television transmission system using transform coding. 4,831,440, 5-16-89, Cl. 358-133.000.
Borgers, Stephanus M. C.; and Visser, Cornelis P., to U.S. Philips Corporation. Discrete cosine transform arrangement. 4,837,724, 6-6-89, Cl. 364-725.000.
Borgers, Stephanus M. C.; De Bruijne, Roeland P.; and De With, Peter H. M., to U.S. Philips Corporation. Television system in which digitized picture signals subjected to a transform coding are transmitted from an encoding station to a decoding station. 4,849,812, 7-18-89, Cl. 358-133.000.
Borgers, Stephanus M. C.: *See—*
  Woudsma, Roberto; Chong, David C. H.; McSweeney, Brian T.; Borgers, Stephanus M. C.; and Habraken, Egidius A. P., 4,881,192, Cl. 364-725.000.
Borges, Albert, to Al-Ray Development. Self-locking, two-part electrical connector employing receptacle with spring-biased wedge for expanding plug's blades. 4,867,697, 9-19-89, Cl. 439-265.000.
Borges, Marcos V. P.; Aragao, Marcelo V.; and Dias, Carlos T. Telephone and demodulator. 4,839,919, 6-13-89, Cl. 379-96.000.
Borgeson, Frank A.: *See—*
  Richardson, Michael M.; and Borgeson, Frank A., 4,815,874, Cl 400-208.000.
  Richardson, Michael M.; and Borgeson, Frank A., 4,815,875, Cl. 400-208.100.
Borggren, Arne: *See—*
  Bergman, Ulf; Sommer, Jurgen; and Borggren, Arne, 4,879,736, Cl. 378-181.000.

Borghi, Italo: *See—*
Canova, Luciano; Giannini, Umberto; Albizzati, Enrico; Borghi, Italo; and Proto, Antonio, 4,889,896, Cl. 525-375.000.
Cigna, Giuseppe; Fasuio, Gian C.; Biglione, Gianfranco; and Borghi, Italo, 4,849,473, Cl. 525-86.000.

Borgia, Joseph A.: *See—*
Brownell, Peter; Borgia, Joseph A.; and Gabrielson, Robert, 4,853,118, Cl. 210-130.000.
Brownell, Peter; Borgia, Joseph A.; and Gabrielson, Robert, 4,857,195, Cl. 210-443.000.

Borgis, Livio, to U.S. Philips Corporation. Electric lamp and method of manufacturing same. 4,888,519, 12-19-89, Cl. 313-318.000.

Borgman, Robert J., to Curatek Pharmaceuticals, Inc. Topical metronidazole formulations and therapeutic uses thereof. 4,837,378, 6-6-89, Cl. 424-81.000.

Borgmann, Dieter: *See—*
Saatkamp, Richard; and Borgmann, Dieter, 4,849,701, Cl. 324-549.000.

Borgmann, Michael: *See—*
Mahlich, Gotthard C.; and Borgmann, Michael, 4,800,805, Cl. 99-293.000.
Mahlich, Gotthard C.; and Borgmann, Michael, 4,852,474, Cl. 99-293.000.
Mahlich, Gotthard C.; and Borgmann, Michael, 4,889,041, Cl. 99-285.000.

Borgnaes, Dan: *See—*
Tufts, Timothy A.; Borgnaes, Dan; Culbertson, Billy M.; and Wilkinson, Theodore C., 4,855,368, Cl. 525-454.000.

Borgos, John A.; Bradac, Francis; Haumschild, Daniel J.; Johnson, Timothy; and Lee, Rebecca, to TSI Incorporated. Fiber optic connector assembly and method of making same. 4,875,755, 10-24-89, Cl. 350-96.200.

Borgquist, Ronald B. Geodesic inflatable structure, and methods of constructing and utilizing same 4,807,405, 2-28-89, Cl. 52-2.000.

Borgstrom, Alan D., to Amerace Corporation. 600-amp hot stick operable screw-assembled connector system. 4,799,895, 1-24-89, Cl. 439-183.000.

Borgstrom, Alan D.; Stepniak, Frank M.; and Kominiak, Andrew A., to Amerace Corporation. High-voltage loadbreak bushing insert connector. 4,863,392, 9-5-89, Cl. 439-185.000.

Borgstrom, Leonard; Carlsson, Claes G.; Franzen, Peter; Inge, Claes; Lagerstedt, Torgny; Moberg, Hans; and Nabo, Olle, to Alfa-Laval Separation AB. Centrifugal separator. 4,861,329, 8-29-89, Cl. 494-73.000.

Borgwardt, Peter A.: *See—*
Ligocki, Terry J.; and Borgwardt, Peter A., 4,888,583, Cl. 340-729.000.

Bori, Jacques E. F., to Team Incorporated. Dental implant and method. 4,872,840, 10-10-89, Cl. 433-173.000.

Boriani, Silvano: *See—*
Gamberini, Antonio; and Boriani, Silvano, 4,802,394, Cl. 83-346.000.

Borick, Avron W.; and Escue, Ronald F., to Superior Industries International, Inc. Lug nut display apparatus and method of product selection. 4,815,610, 3-28-89, Cl. 211-59.100.

Borig, Donald A.; Harris, Godfrey; and Korngold, Gary P. Orthopedic hip hinge providing adjustment for abduction. 4,881.532, 11-21-89, Cl. 128-80.00A.

Boris, Allen J.: *See—*
Lockard, Walter G.; Hoekstra, Herbert J.; Boris, Allen J.; and Nickles, Douglas M., 4,813,693, Cl. 280-42.000.
Lockard, Walter G.; Boris, Allen J.; and Kosc, Wieslaw, 4,840,390, Cl. 280-250.100.

Boris, Felicia J.; and Beagle, Charles A., to Colgate-Palmolive Co. Fabric softening detergent composition and article comprising such composition. 4,818,421, 4-4-89, Cl. 252-8.800.

Borisenko, Vladimir M.: *See—*
Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.

Bork, Stanley A. Adjustable plant support. 4,860,489, 8-29-89, Cl. 47-47.000.

Borkan, Lionel: *See—*
Cohen, Jonathan M.; Berry, Ira R.; and Borkan, Lionel, 4,795,642, Cl. 424-455.000.

Borkar, Shekhar Y.: *See—*
Pawloski, Martin B.; and Borkar, Shekhar Y., 4,809,167, Cl. 364-200.000.

Borken, Richard J.; and Durand, William W., to Honeywell Inc. Method and means of identifying objects with retro-reflected light. 4,866,781, 9-12-89, Cl. 382-1.000.

Borkowicz, Gerzy; Trumble, William P.; and Anderson, James E., to Northern Telecom Limited. Packaged solid-state surge protector. 4,851,956, 7-25-89, Cl. 361-118.000.

Borkowicz, Jerzy, to Northern Telecom Limited. Solid state switching device. 4,868,703, 9-19-89, Cl. 361-58.000.

Borkowicz, Jerzy, to Northern Telecom Limited. Protection devices and arrangements for telephone lines. 4,876,620, 10-24-89, Cl. 361-56.000.

Borland, James E.; and Sauer, Joe D., to Ethyl Corporation. Amine deodorization. 4,801,426, 1-31-89, Cl. 422-5.000.

Borland, James E.: *See—*
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,824,867, Cl. 514-642.000.
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,784, Cl. 514-517.000.
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,785, Cl. 514-526.000.
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,788, Cl. 514-534.000.
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,789, Cl. 514-551.000.
Smith, Kim R.; Sauer, Joe D.; and Borland, James E., 4,883,917, Cl. 564-292.000.

Borlinghaus, Hans J.; and Orlowsky, Michael G., to General Motors Corporation. Restraint belt load capacity fore and aft power seat adjuster apparatus. 4,832,409, 5-23-89, Cl. 297-468.000.

Borlinghaus, Hans J.; and Orlowsky, Michael G., to General Motors Corporation. Restraint belt load capacity fore and aft power seat adjuster apparatus and method. 4,881,781, 11-21-89, Cl. 297-473.000.

Borlinghaus, Hans J.; Orlowsky, Michael G.; Goodbred, Neil G.; Humer, Mladen; and Cooper, Steven J., to General Motors Corporation. Apparatus and method of anti-ratcheting vehicle seat adjuster slide. 4,881,827, 11-21-89, Cl. 384-47.000.

Bormann, Alan R.: *See—*
Yu, Ruey J.; and Bormann, Alan R., 4,800,298, Cl. 307-443.000.

Bormann, Ernst-Joachim: *See—*
Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

Bormann, Rene L.; Maathuis, Antonnis G.; Spielmann, Jurgen; Meyer, Theo; Beer, Klaus; and Oare, Thomas R., to Goodyear Tire & Rubber Company, The. Pneumatic tire and method for making same. 4,869,307, 9-26-89, Cl. 152-533.000.

Born, Gerhard; Elsner, Paul; and Scherer, Heinz-Jurgen, to Seitz Enzinger Noll Maschinenbau Aktiengesellschaft. Apparatus for conveying suspended bottles. 4,802,571, 2-7-89, Cl. 198-627.000.

Born, Gerhard; and Munch, Karl, to Seitz Enzinger Noll Maschinenbau Aktiengesellschaft. Arrangement for converting a multi-track stream of containers into a plurality of parallel container rows that are separated from one another by separating elements. 4,844,234, 7-4-89, Cl. 198-458.000.

Born, Gunthard; and Sepp, Gunther, to Messerschmitt-Bolkow-Blohm GmbH. Sensor for attacking helicopters. 4,819,561, 4-11-89, Cl. 102-213.000.

Born, Leroy C.: *See—*
Born, Robert L.; and Born, Leroy C., 4,870,543, Cl. 362-61.000.

Born, Maurice; Briquet, Lucienne; Parc, Guy; and Paquer, Daniel, to Institut Francais du Petrole. Polysulfided olefin compositions, their preparation and use as additives for lubricants. 4,795,576, 1-3-89, Cl. 252-45.000.

Born, Maurice; Briquet, Lucienne; Lallement, Jacques; and Parc, Guy, to Institut Francais du Petrole. Olefin polysulfide compositions their manufacture and use as additives for lubricants. 4,839,069, 6-13-89, Cl. 252-45.000.

Born, Maurice; Lallement, Jacques; Marchand, Pierre; Parc, Guy; and Thevenin, Nicole, to Institut Francais Du Petrole. Metal dihydrocarbyl-dithiophosphyl-dithiophosphates their manufacture and use as additives for lubricants. 4,882,446, 11-21-89, Cl. 556-25.000.

Born, Peter J.; Robertson, Daniel S.; and Young, Ian M., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britanic Majesty's Government of the Luminescent ceramic plates. 4,849,639, 7-18-89, Cl. 250-483.100.

Born, Reinhard: *See—*
Keller, Heinz; Lehner, Martin; Born, Reinhard; and Lotz, Hans-Georg, 4,798,960, Cl. 250-504.00R.

Born, Robert L.; and Born, Leroy C., to Horton, Robert L. Extensible safety light. 4,870,543, 9-26-89, Cl. 362-61.000.

Bornack, Walter K., Jr.; and McNally, Keith R., to NL Chemicals, Inc. Water dispersible polyamide blend. 4,810,747, 3-7-89, Cl. 524-538.000.

Bornack, Walter K., Jr.; and McNally, Keith R., to Union Camp Corporation. Water dispersible polyamide ester. 4,873,311, 10-10-89, Cl. 528-272.000.

Borne, Andre ; and Jusseau, Marcel, to CGEE Alsthom. Opto-electronic connection device. 4,802,725, 2-7-89, Cl. 350-96.200.

Bornefeld, Horst: *See—*
Braun, Rolf M.; Panek, Peter; Bornefeld, Horst; Rade, Dieter; and Ritter, Wolfgang, 4,810,305, Cl. 106-499.000.
Zander, Hans-Gunter; Bornefeld, Horst; and Holle, Bernd-Michael, 4,880,169, Cl. 241-5.000.

Bornemann & Haller KG: *See—*
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Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., to Montedison S.p.A. Process for the preparation of (2,2)-paracyclophane and derivatives thereof 4,795,83 1-3-89, Cl. 570-184.000.

Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., to Montedison S.p.A. Process for the preparation of (2,2)-paracyclophane and derivatives thereof. 4,816,60 3-28-89, Cl. 570-184.000.

Bornengo, Giorgio; Carlini, Filippo M.; Marabini, Anna; and Alesse Vittorio, to Consiglio Nazionale Delle Ricerche. Collecting agent for the selective flotation of lead and zinc ores and a process for preparing the same. 4,851,037, 7-25-89, Cl. 75-2.000.

Borner, Alfred, to A. Borner GmbH. Raw food cutter. 4,848,6 7-18-89, Cl. 241-95.000.

Borner, Manfred; Muller, Reinhard; and Trommer, Gert, to Siemens Aktiengesellschaft. Integrated resonator matrix for wavelength-selective separation or joining of channels in the frequency domain of optical communications technology. 4,799,749, 1-24-89, Cl. 350-96.130.

Borner, Willy; and McQueeney, Kenneth A., to Balco, Inc. Unisex connector. 4,859,111, 8-22-89, Cl. 403-340.000.

Bornfriend, Robert A.: *See—*
Vishnupad, Mohan; Ramirez, Jose E.; and Bornfriend, Robert A., 4,832,858, Cl. 252-49.500.

Bornhorst, James M., to Vari-Lite, Inc. Color wheel assembly for lighting equipment. 4,800,474, 1-24-89, Cl. 362-293.000.

Bornn, Robert; and Ricks, Robert D., to Advanced Medical Technologies, Inc. Portable, multi-channel, physiological data monitoring system. 4,827,943, 5-9-89, Cl. 128-668.000.

Bornschein, Hans-Jurgen, to F. H. Papenmeier GmbH & Co. KG. Workstation for a vision-impaired user with interface for selectively feeding display data from a bus or a connected computer. 4,875,185, 10-17-89, Cl. 364-900.000.

Bornstein, Aharon; and Tsalach, Tsadok, to State of Israel, Atomic Energy Commission, Soreq Nuclear Research Center, The. Optical glass elements having a graded refraction index for ir light and method for their production. 4,867,544, 9-19-89, Cl. 350-413.000.

Bornstein, Jonathan G., to Domain Technology. Method and coating transition metal oxide on thin film magnetic disks. 4,876,117, 10-24-89, Cl. 427-130.000.

Bornstein, Norman S., to Hamilton Standard Controls, Inc. Composite silver base electrical contact material. 4,834,939, 5-30-89, Cl. 419-21.000.

Bornstein, Norman S., to Hamilton Standard Controls, Inc. Composite silver base electrical contact material. 4,874,430, 10-17-89, Cl. 75-234.000.

Bornzin, Gene A.: *See—*
Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,807,629, Cl. 128-419.0PG.
Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,813,421, Cl. 128-633.000.

Boro, John R.: *See—*
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Boro , Lajos: *See—*
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Borodin, Daniel J., to U.S. Automation Co. Method for forming bainite. 4,826,542, 5-2-89, Cl. 148-11.50R.

Borodin, Daniel J., to U.S. Automation Co. Die-less drawing method and apparatus. 4,872,923, 10-10-89, Cl. 148-11.50R.

Borodkin, Saul: *See—*
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Borodulin, German: *See—*
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Boron, Joseph J., to Midwest Instrument Co., Inc. Corrugated jacket for molten metal sampler. 4,875,380, 10-24-89, Cl. 73-864.580.

Boronat, Jean-Francois: *See—*
Borel, Michel; Boronat, Jean-Francois; Meyer, Robert; and Rambaud, Philippe, 4,857,161, Cl. 204-192.260.

Boros, Gyorgy; Gulacsy, Robert; Laszlo, Gyorgy; and Narancsik, Pal, to Kozponti Valto-es Hitelbank Rt., Innovacios Alap. Mold or die assembly. 4,795,125, 1-3-89, Cl. 249-78.000.

Boros, Leslie A. Convertible footwear. 4,839,948, 6-20-89, Cl. 24-662.000.

Boros nee Gundar, Iren: *See—*
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Boros, Peter: *See—*
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Borowiak, Herve: *See—*
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Junino, Alex; Vandenbosche, Jean J.; Borowiak, Herve ; and Lang, Gerard, 4,865,619, Cl. 8-412.000.

Borowski, Edward: *See—*
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Borowski, Horst; Kausch, Erwin; Rittershaus, Erhard; Rudolph, Gert; and Schneider, Werner, to B.A.T. Cigarettenfabriken GmbH. Coaxial cigarette. 4,874,004, 10-17-89, Cl. 131-364.000.

Borowski, Richard, to Garlock Inc. Rotary shaft bearing isolator seal. 4,817,966, 4-4-89, Cl. 277-3.000.

Borowski, Richard, to Garlock Inc. Rotary shaft bearing isolator seal. 4,852,890, 8-1-89, Cl. 277-25.000.

Borowski, Victor J.: *See—*
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Borras, Jaime A., to Motorola, Inc. Electronic lock system for a two-way radio. 4,843,385, 6-27-89, Cl. 340-825.320.

Borras, Jaime A.: *See—*
Comroe, Richard A.; Major, John E.; Coombes, Daniel J.; Whitney, Susan M.; Sasuta, Michael D.; Zdunek, Kenneth J.; Pioch, Gerald E.; Borras, Jaime A.; Scheiderer, Ronald L.; and Blackston, Susan M., 4,817,190, Cl. 455-11.000.

Borrelli, Nicholas F.; Smith, Dennis W.; and Wedding, Brent M., to Corning Glass Works. Method of making colored photochromic glasses. 4,832,724, 5-23-89, Cl. 65-30.110.

Borrelli, Nicholas F.; and Wedding, Brent M., to Corning Glass Works. Method for making colored photochromic glasses. 4,840,655, 6-20-89, Cl. 65-30.110.

Borrelli, Nicholas F.; and Sachenik, Paul A., to Corning Incorporated. Method for modifying coloration in tinted photochromic glasses. 4,854,957, 8-8-89, Cl. 65-30.110.

Borrelli, Robert E. Vehicle chocking device for flatbed carrier. 4,836,337, 6-6-89, Cl. 188-32.000.

Borrello, Giuseppe, to Colgate-Palmolive Company. Non-caking bleaching detergent composition containing a lower hydrate of sodium perborate. 4,857,223, 8-15-89, Cl. 252-91.000.

Borrello, Sebastian R.; and Roberts, Charles G., to Texas Instruments Incorporated. Mis infrared detector having a storage area. 4,807,007, 2-21-89, Cl. 357-30.000.

Borreskov, Jorgen: *See—*
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Borrett, Gary T., to Beecham Group p.l.c. Chemical process. 4,861,893, 8-29-89, Cl. 546-185.000.

Borretzen, Bernt; Larsen, Rolf O.; Pettersen, Erik O.; Dornish, John M.; and Oftebro, Rolf, to Norsk Hydro a.s. Anticancer compounds. 4,874,780, 10-17-89, Cl. 514-452.000.

Borris, Robert P.; Burg, Richard W.; Hensens, Otto D.; Huang, Leeyuan; Kelemen, Livia; and Mochales, Sagrario, to Merck & Co., Inc. Sterol inhibitors of testosterone 5α-reductase. 4,814,324, 3-21-89, Cl. 514-26.000.

Borrod, Guy; and Lacroix, Guy, to Rhone-Poulenc Agrochimie. Herbicide compositions of N-(phosphonomethylglycyl) sulfonylamines and process for using same. 4,886,542, 12-12-89, Cl. 71-087.000.

Borromeo, Lucio, to 3T S.p.A. Attachment device for elements of bicycle handlebars, with gripping parts including two jaw members hinged together. 4,794,815, 1-3-89, Cl. 74-551.100.

Borromeo, Lucio, to 3 T S.p.A. Saddle pillar member for cycles, with a metal core. 4,826,192, 5-2-89, Cl. 280-281.100.

Borror, Alan L.; Ellis, Ernest W.; and McGowan, Donald A., to Polaroid Corporation. Color-shifted dyes with thermally unstable carbamate moiety comprising T-alkoxycarbonyl group. 4,826,976, 5-2-89, Cl. 544-58.400.

Borrows, John G.: *See—*
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Borrud, James C.: *See—*
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Bors, Hans; Goetz, Albert; and Schwemmer, Martin, to Triatex International AG. Process for the continuous application of liquors on textile fiber webs. 4,845,964, 7-11-89, Cl. 68-4.000.

Borsa, Massimiliano: *See—*
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Borsani, Paolo, to Tecno S.p.A. Mobili e Forniture per Arredamento. Flexible cable guide with two-directional joints. 4,840,023, 6-20-89, Cl. 59-78.100.

Borsanyi, Alexander S.; and Cozean, Colette R. D., to Baxter Travenol Laboratories, Inc. Electrosurgical device. 4,811,733, 3-14-89, Cl. 128-303.140.

Borsanyi, Alexander S., to Baxter International Inc. Collapsible conduit for linear peristaltic pump and method of making the same. 4,854,836, 8-8-89, Cl. 417-474.000.

Borsanyi, Alexander S., to Baxter International Inc. Peristaltic linear pump with contoured rollers. 4,867,744, 9-19-89, Cl. 604-153.000.

Borsari, Gianni, to Hospal AG. Device for measuring the quantity of ultrafiltrate eliminated during a dialysis treatment. 4,859,319, 8-22-89, Cl. 210-86.000.

Borsboom, Petrus C. F., to Sensoptic Development B.V. Fibre-optic apparatus. 4,884,891, 12-5-89, Cl. 356-446.000.

Borse, Dietrich, to Ernst Winter & Sohn (GmbH & Co.). Dressing tool for grinding wheels. 4,805,586, 2-21-89, Cl. 125-11.00R.

Borse, Dietrich, to Ernst Winter & Sohn (GmbH & Co.), Firma. Apparatus for exhibiting grains of precious stone. 4,860,469, 8-29-89, Cl. 40-409.000.

Borseth, Donald; and McCall, David, to Diversey Corporation. Stable detergent emulsions. 4,826,618, 5-2-89, Cl. 252-174.210.

Borsi, Jozsef: *See—*
Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.
Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.

Borsig GmbH: *See—*
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Brucher, Peter; and Lachmann, Helmut, 4,858,684, Cl. 165-134.100.

de Haas, Peter; Ehrich, Robert; and Joergensen, Reidar, 4,801,245, Cl. 417-53.000.

Griepentrog, Hartmut; and Beer, Helmut, 4,824,323, Cl. 415-148.000.

Ordelheide, Rolf; and Turgay, Hudai, 4,846,969, Cl. 210-221.200.

Borsodi Vegyi Kombinat: *See—*

Csutak, Janos; Kiss, Andras S.; Marosy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.

Borsos, John D. Nose support for eyeglasses. 4,813,776, 3-21-89, Cl. 351-137.000.

Borsos, John D. Nose support for eyeglasses. 4,834,524, 5-30-89, Cl. 351-137.000.

Borsos nee Safranek, Iren: *See—*

Timar, Tibor; Zsupan, Kalman; Repasi, Janos; Borsos nee Safranek, Iren; Kiss, Istvan; Fodor, Andras; and Maroy, Peter, 4,866,089, Cl. 514-456.000.

Borst, Doak: *See—*

Grassel, William H.; and Borst, Doak, 4,839,202, Cl. 427-424.000.

Borst, Gaylord M.; and Olson, Jeffrey A., to Outboard Marine Corporation. Fuel supply system for internal combustion engine. 4,865,002, 9-12-89, Cl. 123-532.000.

Borst, Herbert A.; MacHacek, Zdenek; Schnittger, Ernest; Schulte, Richard D.; Scott, Richmond; and Tilman, Paul A., to Illinois Tool Works Inc. Carrier tape and cover applying and removal devices for same. 4,842,135, 6-27-89, Cl. 206-328.000.

Borst, Nico; Talbot, Marc D.; and Scott, James D., to Kidd Creek Mines Ltd. Cathode hangers. 4,882,027, 11-21-89, Cl. 204-286.000.

Borst, Ronald W., to Clay & Bailey Mfg. Co., Inc. Drive in manhole step. 4,869,342, 9-26-89, Cl. 182-90.000.

Borst, William A.: *See—*

Horton, Gilbert L.; Borst, William A.; Respess, Herman M.; Langlois, Michael P.; Poole, Eddie D.; and Swaim, J. E., 4,809,482, Cl. 53-131.000.

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Borsuk, Alvin: *See—*

Mally, Timothy G.; Jonovic, John A.; and Borsuk, Alvin, 4,832,970, Cl. 426-274.000.

Borsuk, Leslie M.; Woith, Blake F.; and Corrales, Patrick G., to ITT Corporation. Contact retention arrangement. 4,804,243, 2-14-89, Cl. 350-96.200.

Borsuk, Leslie M.; and Coutts, Bruce, to ITT Corporation. Lensed optic fiber terminus and method. 4,854,663, 8-8-89, Cl. 350-96.200.

Borsuk, Leslie M.: *See—*

Clark, Kenneth M.; Borsuk, Leslie M.; and Coutts, Bruce, 4,798,431, Cl. 350-96.200.

Borsuk, Philip. Measurement tape for sizing carpet. 4,827,621, 5-9-89, Cl. 33-758.000.

Borsvold, Herbert H.: *See—*

Talalay, Anselm; and Borsvold, Herbert H., 4,874,454, Cl. 156-359.000.

Borth, David E.; Wang, Chih-Fei; Rabe, Duane C.; and Labedz, Gerald P., to Motorola, Inc. Phase-coherent TDMA quadrature receiver for multipath fading channels. 4,829,543, 5-9-89, Cl. 375-83.000.

Borth, David E., to Motorola, Inc. TDMA communications system with adaptive equalization. 4,852,090, 7-25-89, Cl. 370-104.000.

Borth, David E.; Wang, Chih-Fei; Rabe, Duane C.; and Labedz, Gerald P., to Motorola, Inc. TDMA radio system employing BPSK synchronization for QFSK signals subject to random phase variation and multipath fading. 4,873,683, 10-10-89, Cl. 370-95.100.

Borth, David E.; and Kepler, James F., to Motorola, Inc. Frequency control apparatus and method for a digital radio receiver. 4,887,050, 12-12-89, Cl. 331-34.000.

Borth, David E.: *See—*

Labedz, Gerald P.; and Borth, David E., 4,847,869, Cl. 375-85.000.

Borthwick, Alan D.: *See—*

Kitchin, John; Cherry, Peter C.; Pipe, Adrian J.; Crame, Andrew J.; and Borthwick, Alan D., 4,880,801, Cl. 514-215.000.

Semeraro, Claudio; Micheli, Dino; Pieraccioli, Daniele; Gaviraghi, Giovanni; and Borthwick, Alan D., 4,806,533, Cl. 514-211.000.

Borthwick, Allan D.: *See—*

Semeraro, Claudio; Micheli, Dino; Pieraccioli, Daniele; Gaviraghi, Giovanni; and Borthwick, Allan D., 4,801,599, Cl. 514-356.000.

Borthwick, David A.; Kirk, Barrie E.; Evans, Derek N.; Biggadike, Keith; and Stephenson, Leslie, to Glaxo Group Limited. Guanine derivatives. 4,857,531, 8-15-89, Cl. 514-262.000.

Bortinger, Arie; Maggio, Robert A.; and Pieters, Wim J. M., to Exxon Research & Engineering Co. Process for synthesizing a zeolite catalyst on a pH controlled basis to improve catalyst life. 4,804,800, 2-14-89, Cl. 585-640.000.

Bortinger, Arie; Pieters, Wim; and Suciu, Elena N., to Exxon Research & Engineering Co. Process for synthesizing a zeolite catalyst on a pH controlled sodium free basis. 4,851,605, 7-25-89, Cl. 585-640.000.

Bortkiewicz, Andrzej: *See—*

Chambers, Derek; and Bortkiewicz, Andrzej, 4,805,081, Cl. 363-96.000.

Bortman, Issar. Angularly adjustable double headed toothbrush. 4,796,325, 1-10-89, Cl. 15-167.200.

Bortmas, Howard J.: *See—*

Cipriano, Anthony P.; and Bortmas, Howard J., 4,807,653, Cl. 134-64.00R.

Bortnik, John F.; Clayman, Donald A.; and Baker, Scott A., to Elkem Metals Company. System for recycling fines to hollow electrode. 4,816,230, 3-28-89, Cl. 422-232.000.

Bortolani, Ermanno; and Vassarotti, Enzo, to W. R. Grace & Co.-Conn. Method and apparatus for vacuum packaging and package obtained thereby. 4,833,862, 5-30-89, Cl. 53-427.000.

Bortoli, Ettore. Brake for skis with arms fitting within the plane of the ski and being raised during normal skiing operation. 4,848,785, 7-18-89, Cl. 280-605.000.

Bortolin, Bruno; and Dotti, Enrico. Method for joining plastic cores with spaced surface grooves and joint so obtained. 4,842,438, 6-27-89, Cl. 403-266.000.

Bortolin, Bruno; and Mariani, Beniamino, to Societa' Cavi Pirelli S.p.A. Method of interconnecting optical fiber cables and connector therefore. 4,846,544, 7-11-89, Cl. 350-96.210.

Bortolin, Bruno: *See—*

Mariani, Beniamino; and Bortolin, Bruno, 4,889,399, Cl. 350-96.200.

Bortolin, Roberto, to Dow Corning, Ltd. Process for the preparation of polysilanes. 4,808,685, 2-28-89, Cl. 528-14.000.

Bortolin, Roberto; and Parbhoo, Bhukandas, to Dow Corning, Ltd. Cyclic silethynyl polymers and a method for making them. 4,866,153, 9-12-89, Cl. 528-32.000.

Bortolin, Roberto, to Dow Corning Limited. Polysilanes. 4,882,450, 11-21-89, Cl. 556-430.000.

Bortolotti, Fabrizio: *See—*

Appel, Peter W.; Bortolotti, Fabrizio; Delwel, Francois; Hornung, Fredrik; Tomlinson, Alan D.; and Willemse, Simon, 4,824,593, Cl. 252-127.000.

Borton, Dorothy L.: *See—*

Dash, Georgia P.; and Borton, Dorothy L., 4,848,322, Cl. 128-4.000.

Borton, Michael D.: *See—*

Adams, Jerry F.; Borton, Michael D.; Hubble, Fred F., III; Martin, James P.; Shoemaker, Ralph A.; Werner, Alan J.; and MacDonald, Virginia N., 4,831,410, Cl. 355-208.000.

Bortz, Robert W., to Mobil Oil Corporation. Liquid effluent recycle to reactor in dewaxing processes. 4,818,369, 4-4-89, Cl. 208-100.000.

Bortz, Steven J.: *See—*

Markham, Lucille; and Bortz, Steven J., 4,843,980, Cl. 110-345.000.

Borum, Martin O.: *See—*

Borum, Otis C.; Borum, Martin O.; and Arn, Robert H., 4,837,914, Cl. 29-401.100.

Borum, Otis C.; Borum, Martin O.; and Arn, Robert H., to A & S Fiberglass, Inc. Conversion roof for vans. 4,837,914, 6-13-89, Cl. 29-401.100.

Borup, Gottlob; and Pedersen, Flemming H., to Christian Rovsing A/S. Method of multiplex/demultiplex processing of information and equipment for performing the method. 4,866,711, 9-12-89, Cl. 370-108.000.

Borvendeg, Janos: *See—*

Abraham, Gizella; Horvath, Tibor; Toldy, Lajos; Borvendeg, Janos; Csanyi, Endre; Kiss, Eva; nee Hermann, Ilona S.; and Tory, Kalman, 4,806,685, Cl. 564-324.000.

Bory, Steven, to Injecto Mold. Faucet handle. 4,796,329, 1-10-89, Cl. 16-121.000.

Boryta, Daniel A.; and Wellhoffer, Peter D., to Cyprus Foote Mineral Company. Active oxygen-rich compound and preparative method. 4,867,956, 9-19-89, Cl. 423-281.000.

Borza, John S.: *See—*

Drutchas, Gilbert H., deceased; and Borza, John S., 4,828,060, Cl. 180-79.100.

Drutchas, Gilbert H., deceased; and Borza, John S., 4,887,682, Cl. 180-79.100.

Borza, Mihai M.: *See—*

Langen, Marinus J. M.; Guttinger, Peter; and Borza, Mihai M., 4,872,301, Cl. 53-133.000.

Borzatta, Valerio: *See—*

Cantatore, Giuseppe; and Borzatta, Valerio, 4,803,234, C 524-100.000.

Cantatore, Giuseppe; and Borzatta, Valerio, 4,8[illegible]159, C 544-198.000.

Cantatore, Giuseppe; and Borzatta, Valerio, 4,855,434, C 546-190.000.

Cantatore, Giuseppe; and Borzatta, Valerio, 4,859,724, C 524-91.000.

Cantatore, Giuseppe; Borzatta, Valerio; and Masina, Franc 4,883,870, Cl. 540-598.000.

Borzenski, Frank J., to Farrel Corporation. Control system for ram 1 mixing machine. 4,830,506, 5-16-89, Cl. 366-76.000.

Borzo, Marie: *See—*

Gillberg-LaForce, Gunilla E.; Leslie, Thomas M.; Che, Tessie M. and Borzo, Marie, 4,885,113, Cl. 252-582.000.

Borzym, John J., to Alpha Industries, Inc. Method for dimple fre guillotine cutting of multiple wall tube. 4,796,498, 1-10-89, C 83-49.000.

Borzym, John J. Overload protector for clamping jaw mechanis 4,848,723, 7-18-89, Cl. 269-157.000.

Borzym, John J. Tube handling apparatus. 4,865,300, 9-12-89, C 269-13.000.

Borzym, John J. Tube cutting apparatus. 4,872,384, 10-10-89, C 83-454.000.

Bos, Johannes J.: *See—*

Hendriks, Johannes H.; Brekelmans, Johannes H. A.; and Bos Johannes J., 4,843,636, Cl. 455-192.000.

Bos, Johannes L.; and Van der Eb, Alex J., to Board of Rijks Universiteit Leiden, The. Probes and methods for detecting activated ras oncogenes. 4,871,838, 10-3-89, Cl. 536-27.000.

Bos, Marinus A.: *See—*

van Baardwijk, Johannes; and Bos, Marinus A., 4,809,263, Cl. 370-66.000.

van Baardwijk, Johannes; and Bos, Marinus A., 4,811,335, Cl. 370-63.000.

Bos, Peter J.; and Allard, John J., to Paragon Electric Company, Inc. Adaptive defrost system with ambient condition change detector. 4,850,204, 7-25-89, Cl. 62-234.000.

Bos, Peter J., to Paragon Electric Company, Inc. Adaptive defrost system. 4,884,414, 12-5-89, Cl. 62-156.000.

Bos, Petrus J. H.; Engel, Dirk J. C.; and de Jonge, Hayo, to Gist-Brocades N.V. Bismuth containing composition and method for the preparation thereof. 4,801,608, 1-31-89, Cl. 515-503.000.

Bos, Philip J., to Tektronix, Inc. Drive waveform for ferroelectric displays. 4,870,398, 9-26-89, Cl. 340-784.000.

Bosanec, Thomas P.; Lukow, Kenneth R.; and Verbrugge, Calvin J., to S. C. Johnson & Son, Inc. Alkene/excess maleic anhydride polymer manufacture. 4,859,752, 8-22-89, Cl. 526-209.000.

Bosben, Robert J.: *See—*

Schaller, David R.; Menkart, George R.; Hall, Loring C.; and Bosben, Robert J., 4,851,756, Cl. 320-3.000.

Bosch, A. Allen; and Dyer, Robert D. Magnetic tool holder. 4,826,059, 5-2-89, Cl. 224-183.000.

Bosch, Erhard; Neuhauser, Franz; Schiller, August; and Sommer, Oswin, to Wacker-Chemie GmbH. Room temperature crosslinkable compositions. 4,801,673, 1-31-89, Cl. 528-34.000.

Bosch, Gerrit; Pasma, Tjebbe R.; Sluyterman, Albertus A. S.; Doomernik, Fransiscus M. P. P.; and Wielink, Steven M., to U.S. Philips Corporation. Picture display device with stray field compensation means. 4,857,805, 8-15-89, Cl. 315-8.000.

Bosch, Richard J.; and Horng, Liou-Liang. Improved process for reacting salts of D,L-tartaric and maleic acid in the production of ether carboxylate mixtures. 4,867,901, 9-19-89, Cl. 252-180.000.

Bosch, Robert GmbH: *See—*

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Bosch-Siemens Hausgeraete GmbH: *See—*

Husslein, Julius; Wittauer, Gunther; Knoll, Helmut; and Dandl, Robert, 4,798,938, Cl. 219-395.000.

Bosch-Siemens Hausgerate GmbH: *See—*

Hammerl, Gunter, 4,814,952, Cl. 362-92.000.

Hammerl, Gunter, 4,853,508, Cl. 219-10.55R.

Hammerl, Gunter; Lintner, Kurt; Krautscheid, Josef; and Klement, Johann, 4,870,546, Cl. 362-92.000.

Husslein, Julius; Wittauer, Gunther; and Kotsch, Heinz, 4,843,218, Cl. 219-468.000.

Husslein, Julius; Hess, Helmut; and Beifuss, Wolfgang, 4,882,462, Cl. 219-10.55B.

Nitzinger, Karl; Gerl, Josef; Steiner, Herbert; and Hess, Helmut, 4,880,955, Cl. 219-10.55R.

Waigand, Helmut, 4,849,597, Cl. 219-414.000.

Boscher, Jorg; and Biehl, Karl-Ernst, to Honeywell-Elac-Nautik GmbH. Method and apparatus for determining the charging of charcoal filters. 4,807,466, 2-28-89, Cl. 73-38.000.

Boschert Incorporated: *See—*

Small, Kenneth T., 4,884,186, Cl. 363-132.000.

Boschung, Marcel, to Reberle reg. Treuunternehmen Schaan. Pavement-cleaning vehicle. 4,858,270, 8-22-89, Cl. 15-328.000.

Bosco, Robert R., to Anstro Manufacturing Co., Inc. Riveted brake assembly. 4,823,921, 4-25-89, Cl. 188-250.00G.

Boscolo, Antonio: *See—*

Baggio, Dino; and Boscolo, Antonio, 4,890,244, Cl. 364-551.010.

Boscolo, Ilario; and Pastore, Gino, to Enea-Comitato Nazionale Per La Ricerca E Per Lo Sviluppo Dell'Energia Nucleare E Delle Energie Alternative. Laser cavity optically pumped and having a carrying tube. 4,833,685, 5-23-89, Cl. 372-61.000.

Boscove, Joseph A.; Kurtz, Hobart L.; Prince, Jeffrey E.; and Wiegand, William P., to International Business Machines Corporation. Computer assisted vehicle service featuring signature analysis and artificial intelligence. 4,796,206, 1-3-89, Cl. 364-551.010.

Boscove, Joseph A.: *See—*

Ballou, Richard; Belyeu, Stanley M.; Boscove, Joseph A.; Kurtz, Hobart L.; Langer, Peter; McNeill, Andrew B.; Reid, Bernard M.; and Rodriguez, Herman, 4,811,240, Cl. 364-518.000.

Bose, Ajit K.; Strater, Kurt F.; and Geick, Kenneth S., to Union Camp Corporation. Method and apparatus for extruding blown thermoplastic film tubes. 4,842,803, 6-27-89, Cl. 264-565.000.

Bose, Amar G., to Bose Corporation. FM multiplex decoding. 4,821,322, 4-11-89, Cl. 381-13.000.

Bose, Animesh; German, Randall M.; and Sims, David M., to Rensselaer Polytechnic Institute. High strength, high hardness tungsten heavy alloys with molybdenum additions and method. 4,801,330, 1-31-89, Cl. 75-298.000.

Bose, Animesh; and German, Randall M., to Rensselaer Polytechnic Institute. Hardness and strength of heavy alloys by addition of tantalum. 4,851,042, 7-25-89, Cl. 75-248.000.

Bose, Chinmoy B., to American Telephone and Telegraph Company. Method and apparatus for differentiating a planar textured surface from a surrounding background. 4,876,457, 10-24-89, Cl. 250-563.000.

Bose Corporation: *See—*

Bose, Amar G., 4,821,322, Cl. 381-13.000.

Sapiejewski, Roman, 4,856,118, Cl. 2-209.000.

Bose, Debasis: *See—*

Bye, Richard L., Jr.; Bose, Debasis; Das, Santosh K.; Datta, Amitava; and Adam, Colin M., 4,838,341, Cl. 164-463.000.

Bose, Tapan K.; and Courteau, Raymond, to Universite du Quebec a Trois-Rivieres. Apparatus for measuring capacitance of a low value three-terminal capacitor with a resonance technique. 4,847,551, 7-11-89, Cl. 324-60.00C.

Bose, Tapan K.; Chahine, Richard; Marchildon, Louis; and St-Arnaud, Jean-Marie, to Universite du Quebec a Trois-Rivieres; Societe Quebecoise d'Initiatives Petrolieres; and Gaz Metropolitain Inc. Method and apparatus for measuring physical adsorption of gases based on dielectric measurements. 4,856,320, 8-15-89, Cl. 73-30.000.

Bose, Willibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, to Hoechst Aktiengesellschaft. Branched polyoxyalkylene copolyesters, a process for their preparation, and their use. 4,885,110, 12-5-89, Cl. 252-341.000.

Bose, Wllibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, to Hoechst Aktiengesellschaft. Branched, quaternary polyoxyalkylene copolyesters, a process for their preparation, and their use. 4,885,111, 12-5-89, Cl. 252-344.000.

Boseck, Siegfried: *See—*

Will, Erich; Harms, Harry; Lullman, Johannes; Illgen, Edgar; Boseck, Siegfried; Schmidbauer, Georg; and Kreitlow, Horst, 4,806,746, Cl. 250-201.000.

Bosek, Ronald P., to GTE Valenite Corporation. Cutting tool bit support. 4,797,039, 1-10-89, Cl. 407-87.000.

Boselli, Alain, to Dunlop France. Mattress with aeration cavities. 4,796,316, 1-10-89, Cl. 5-464.000.

Boser, Ronald J. Method of sewing elastic about a garment opening. 4,799,441, 1-24-89, Cl. 112-262.200.

Boser, Ronald J. Belt drive material feed control apparatus for sewing machines. 4,813,364, 3-21-89, Cl. 112-304.000.

Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, to Bayer Aktiengesellschaft. N-dihydroindolylethyl-sulphonamides. 4,806,551, 2-21-89, Cl. 514-415.000.

Boshagen, Horst; Stoltefuss, Jurgen; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, to Bayer Aktiengesellschaft. Promoting production of useful livestock with silylated aminophenylethylamine derivatives. 4,806,667, 2-21-89, Cl. 556-424.000.

Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, to Bayer Aktiengesellschaft. Cycloalkyl-one-containing benzenesulphonamides. 4,827,032, 5-2-89, Cl. 564-90.000.

Boshagen, Horst: *See—*

Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Oediger, Hermann; Rosentreter, Ulrich; Boshagen, Horst; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,382,353, Cl. 514-456.000.

Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,843,091, Cl. 514-419.000.

Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Niewohner, Ulrich; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, 4,853,406, Cl. 514-411.000.

Stoltefuss, Jurgen; Boshagen, Horst; Schramm, Matthias; and Thomas, Gunter, 4,822,798, Cl. 514-255.000.

Boshier, Geoffrey, to Textron Inc. Gap measuring apparatus. 4,837,615, 6-6-89, Cl. 358-100.000.

Boshold, Klaus: *See—*

Nossek, Josef A.; Sebald, Georg; Lankl, Berthold; and Boshold, Klaus, 4,800,572, Cl. 375-14.000.

Bosies, Elmar; Endele, Richard; and Pahlke, Wulf, to Boehringer Mannheim GmbH. N-substituted aziridine-2-carboxylic acid derivatives, processes for the preparation thereof and pharmaceutical compositions containing them. 4,826,858, 5-2-89, Cl. 514-340.000.

Bosiger, Peter: *See—*

McKinnon, Graeme C.; and Bosiger, Peter, 4,862,083, Cl. 324-309.000.

McKinnon, Graeme C.; and Bosiger, Peter, 4,868,503, Cl. 324-309.000.

Bosing, Hans: *See—*

Rossi, Guglielmo; Gemma, Mario; and Bosing, Hans, 4,821,626, Cl. 92-48.000.

Bosisio, Claudio, to Societa' Cavi Pirelli S.p.A. Laminated paper-plastic insulating tape and cable including such tape. 4,853,490, 8-1-89, Cl. 174-25.00R.

Boska, Joseph M.: *See—*

Mabey, Kent W.; Boska, Joseph M.; and Richards, Stephen L., 4,885,632, Cl. 358-84.000.

Boskamp, Eddy B., to U.S. Philips Corporation. Magnetic resonance imaging apparatus comprising a quadrature coil system. 4,816,765, 3-28-89, Cl. 324-318.000.

Boskamp, Eddy B., to U.S. Philips Corporation. Magnetic resonance apparatus with a decoupling detection surface coil. 4,839,595, 6-13-89, Cl. 324-318.000.

Boskamp, Eddy B., to U.S. Philips Corporation. Magnetic resonance imaging apparatus comprising a stacked surface coil system. 4,859,947, 8-22-89, Cl. 324-318.000.

Boskovic, Borislav. Core insert actuator. 4,842,508, 6-27-89, Cl. 425-468.000.

Bosl, George F.; Kelly, Patrick M.; Alvarez, Dennis A.; Sauer, Gale; and Hocevar, Joseph A., to USG Interiors, Inc. Cold roll-formed structures and method and apparatus for producing same. 4,881,355, 11-21-89, Cl. 52-738.000.

- Bosley, Alton M.: *See—*
  - Dickey, Glen R.; Bosley, Alton M.; Weyrich, Robert H.; and Juarez, Charles C., 4,805,878, Cl. 254-134.30R.
- Bosman, Cornelis R., to Patentico Ltd. Covering sheet which can be made form-retaining. 4,848,364, 7-18-89, Cl. 128-849.000.
- Bosna, Alexander A.: *See—*
  - Riccio, Louis M.; and Bosna, Alexander A., 4,883,703, Cl. 428-142.000.
- Bosnyak, Robert J., to Fairchild Camera & Instrument Corporation. PLA driver with reconfigurable drive. 4,859,874, 8-22-89, Cl. 307-296.300.
- Bosnyak, Robert J.; and Huard, Jeff, to Fairchild Semiconductor Corporation. TTL circuit with increased transient drive. 4,868,424, 9-19-89, Cl. 307-456.000.
- Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, to International Business Machines Corporation. Sealing and stress relief layers and use thereof. 4,880,684, 11-14-89, Cl. 428-209.000.
- Boss, Franz; and Wolz, Udo, to Zahnradfabrik Friedrichshafen AG. Drive-train torque-transmitting disk. 4,871,342, 10-3-89, Cl. 464-98.000.
- Boss, Harold O., to Ford Aerospace & Communications Corporation. Electrostatic shield for cryostat dewar. 4,810,888, 3-7-89, Cl. 250-352.000.
- Boss, Ian, to Lightgraphix Limited. Lighting apparatus. 4,855,882, 8-8-89, Cl. 362-238.000.
- Boss, Margareta: *See—*
  - Buhler, Ulrich; Tappe, Horst; Kuhn, Reinhard; Bode, Albert; and Boss, Margareta, 4,802,889, Cl. 8-639.000.
- Boss, Michael A.; Kenten, John H.; Emtage, John S.; and Wood, Clive R., to Celltech, Limited. Multichain polypeptides or proteins and processes for their production. 4,816,397, 3-28-89, Cl. 435-68.000.
- Bossack, Thomas J., to NCR Corporation. Motor mounting bracket. 4,832,306, 5-23-89, Cl. 248-674.000.
- Bossack, Thomas J.: *See—*
  - Walker, Alan H.; Lewis, Bradley W.; and Bossack, Thomas J., 4,850,725, Cl. 400-236.200.
- Bossard, Peter R., to Voyager Technologies, Inc. Non contacting volt meter. 4,818,945, 4-4-89, Cl. 324-457.000.
- Bossard, Peter R., to Voyager Technologies, Inc. Transient field indicator. 4,825,152, 4-25-89, Cl. 324-95.000.
- Bossard, Ronald G.; Krenz, Dean C.; and Smith, Russell P., to Minnesota Mining and Manufacturing Company. Fiber optic cable splice closure. 4,805,979, 2-21-89, Cl. 350-96.200.
- Bossart, Clayton J.; Fertig, Glenn H.; and Welker, Albert L., to Mine Safety Appliances Company. Liquid separator. 4,799,374, 1-24-89, Cl. 73-1.00G.
- Bossart, Clayton J.; Fertig, Glenn H.; and Welker, Albert L., to Mine Safety Appliances Company. Liquid separator. 4,827,778, 5-9-89, Cl. 73-863.210.
- Bossart, Clayton J.: *See—*
  - Kush, Robert S.; and Bossart, Clayton J., 4,858,478, Cl. 73-864.350.
- Bosscha, Geert J.: *See—*
  - Munnig Schmidt, Robert H.; and Bosscha, Geert J., 4,849,681, Cl. 320-13.000.
  - Munning Schmidt, Robert H.; and Bosscha, Geert J., 4,835,453, Cl. 320-13.000.
- Bosse, Gerhard R.; Lienow, Michael; Spiegel, Bernt; and Kruse, Bernd O. Oil squirt with wall holder. 4,875,652, 10-24-89, Cl. 248-311.200.
- Bosse, Reinhard: *See—*
  - Friese, Hans-Herbert; Pieper, Friedrich; and Bosse, Reinhard, 4,800,045, Cl. 260-400.000.
- Bossek, Harald: *See—*
  - Osberghaus, Rainer; Ameglio, Gian D.; Bossek, Harald; and Rogmann, Karl-Heinz, 4,810,291, Cl. 106-10.000.
- Bossenmaier, Alban: *See—*
  - Katz, Egon; Bossenmaier, Alban; and Barmbilla, Luigi, 4,840,397, Cl. 280-739.000.
  - Korber, Jurgen; Arold, Klaus; and Bossenmaier, Alban, 4,834,421, Cl. 280-732.000.
- Bossert, Clayton E.: *See—*
  - Alsip, Allen W.; Robinson, James N.; and Bossert, Clayton E., 4,852,193, Cl. 5-61.000.
  - Alsip, Allen W.; Bossert, Clayton E.; and LaVelle, Richard E., 4,856,128, Cl. 5-61.000.
  - Robinson, James N.; Wood, Gary L.; Morrey, Kevin P.; and Bossert, Clayton E., 4,866,796, Cl. 5-62.000.
- Bossert, Friedrich: *See—*
  - Wehinger, Egbert; Meyer, Horst; Bossert, Friedrich; Vater, Wulf; Towart, Robertson; Stoepel, Kurt; and Kazda, Stanislav, 4,849,433, Cl. 514-356.000.
- Bossert, Heinz: *See—*
  - Faust, Eberhard; Bossert, Heinz; Niethammer, Kurt; and Ohlhausen, Otto, 4,798,416, Cl. 297-452.000.
- Bosshard, Alexander, to Steigmuhle Toss AG. Dual chamber container and method for forming an opening between the chambers of the container. 4,836,370, 6-6-89, Cl. 206-222.000.
- Bosshard, Ernst, to Sulzer Brothers Limited. Irradiation plant. 4,866,281, 9-12-89, Cl. 250-453.100.
- Bosshard, Ernst: *See—*
  - Liebl, Rudolf; and Bosshard, Ernst, 4,830,809, Cl. 264-257.000.
  - Liebl, Rudolf; and Bosshard, Ernst, 4,842,571, Cl. 474-204.000.
- Bosshart, Patrick: *See—*
  - Shaw, Ching-Hao; Bosshart, Patrick; Matzke, Douglas; Kalyan, Vibhu; and Houston, Theodore, 4,870,598, Cl. 364-491.000.
- Bosshart, Patrick W., to Texas Instruments Incorporated. Fast ALU equals zero circuit. 4,815,019, 3-21-89, Cl. 364-736.500.
- Bossi, Alessandro: *See—*
  - Cavaterra, Enrico; and Bossi, Alessandro, 4,871,707, Cl. 502-225.000.
- Bossi, Burt J.; and Eberhart, Mark A., to American Telephone and Telegraph Company, AT&T Information Systems Inc. Power transfer circuit including a sympathetic resonator. 4,802,080, 1-31-89, Cl. 363-75.000.
- Bossick, Robert E.: *See—*
  - Orendorf, Daniel C.; Green, Andrew R.; and Bossick, Robert E., 4,795,522, Cl. 156-398.000.
- Bossier, Joseph A., III; Richards, Douglas M.; and Crasto, Lloyd T., to Ethyl Corporation. Process for preparation of silane. 4,847,061, 7-11-89, Cl. 423-347.000.
- Bossler, Hans J.; Enders, Peter; Boxhammer, Jorg; Rudolph, Bernd; and Sebralla, Bruno, to W. C. Heraeus GmbH. Auto-adjustable operating room light. 4,884,008, 11-28-89, Cl. 315-152.000.
- Bossler, Robert B., Jr.: *See—*
  - Hallidy, William M.; and Bossler, Robert B., Jr., 4,827,789, Cl. 74-424.80B.
- Bost, Edouard, to Alsthom. Ceramic core commutator for a rotary electric machine. 4,845,395, 7-4-89, Cl. 310-233.000.
- Bost, John R. Anti-friction sorting roll and stabilizer. 4,887,723, 12-19-89, Cl. 209-670.000.
- Bost, Kenneth L.: *See—*
  - Blalock, J. Edwin; Smith, Eric M.; and Bost, Kenneth L., 4,863,857, Cl. 435-68.000.
- Bost, Michel, to Societe Nationale Industrielle et Aerospatiale. Composite material blade with twin longeron and twin box structure having laminated honeycomb sandwich coverings and a method of manufacturing same. 4,806,077, 2-21-89, Cl. 416-226.000.
- Bosten, Donald R.; and Cooper, Randy G., to Porter-Cable Corporation. Plate joiner with a handle having a superior orientation. 4,858,661, 8-22-89, Cl. 144-134.00D.
- Bosten, Donald R.; and Cooper, Randy G., to Porter-Cable Corporation. Plate joiner having a superior miter guide for mitered carcass joints. 4,858,662, 8-22-89, Cl. 144-136.00C.
- Bosten, Donald R.; and Cooper, Randy G., to Porter-Cable Corporation. Plate joiner having a quiet drive. 4,858,663, 8-22-89, Cl. 144-136.00C.
- Bostich, June M.: *See—*
  - Koepke, Jeffery W.; Hsieh, Wen-Ching; and Bostich, June M. 4,847,018, Cl. 562-33.000.
- Bostick, Edgar E.: *See—*
  - Hawkins, Christopher M.; and Bostick, Edgar E., 4,855,380, Cl. 528-370.000.
- Bostick, Francis X., Jr., to Board of Regents, The University of Texas System. Method using a d.c. source for determining resistivity distribution of the earth as a function of depth. 4,835,473, 5-30-89, Cl. 324-357.000.
- Bostock, Stephen B.: *See—*
  - Baxter, Anthony G. W.; Bostock, Stephen B.; and Greenwood, David, 4,799,960, Cl. 106-22.000.
- Boston Acoustics, Inc.: *See—*
  - McShane, Charles L., 4,847,904, Cl. 381-24.000.
- Boston Digital Corporation: *See—*
  - Linn, Thomas D., 4,813,462, Cl. 141-93.000.
  - Linn, Thomas D., 4,856,752, Cl. 248-678.000.
- Boston, Ernest B., to Phillips Petroleum Company. Unclouded metals passivation additive. 4,830,730, 5-16-89, Cl. 208-113.000.
- Boston Metal Products Corporation: *See—*
  - McCue, David S.; and Gebhardt, Roland, 4,808,451, Cl. 428-31.000.
- Boston, Ray W., Jr., to General Electric Company. Refrigerator case/liner interface and related components for automated assembly. 4,822,117, 4-18-89, Cl. 312-214.000.
- Boston, Russell E.; and Kapp, David C., to PPG Industries, Inc. Thermosetting compositions comprising acrylic polymers which are substantially free of active hydrogens. 4,864,000, 9-5-89, Cl. 525-143.000.
- Boston Scientific Corporation: *See—*
  - Mohl, Werner; and Tolkoff, Marc J., 4,887,608, Cl. 128-673.000.
- Boston University, Trustees of: *See—*
  - Catsimpoolas, Nicholas; McCluer, Robert; Sinn, Robert S.; and Evans, James, 4,888,324, Cl. 514-25.000.
  - Clark, Noel A.; Douglas, Kenneth; and Rothschild, Kenneth J. 4,802,951, Cl. 156-630.000.
  - Groopman, John D.; and Wogan, Gerald N., 4,818,687, Cl. 436-518.000.
  - Groopman, John D.; Wogan, Gerald N.; Bargoot, Frederick G. and Ferrari, Christopher, 4,859,611, Cl. 436-518.000.
  - Grossberg, Stephen; and Mingolla, Ennio, 4,803,736, Cl. 382-22.000.
  - Grossberg, Stephen; and Kuperstein, Michael, 4,852,018, Cl. 364-513.000.
  - Ju, Shyr-Te, 4,861,589, Cl. 424-93.000.
  - Lempicki, Alexander, 4,797,889, Cl. 372-39.000.
  - Mansuripur, Masud; Ruane, Michael; and Rosenvold, Robert 4,833,695, Cl. 356-369.000.
  - Nimberg, Richard B.; Colclasure, Craig; and Lloyd, Weldon S. 4,816,437, Cl. 514-8.000.
  - Ryser, Hugues J. P.; and Shen, Wei-Chiang, 4,847,240, Cl. 514-12.000.

  - Zimmerman, George O.; and Ibrahim, Abdo K., 4,837,377, Cl. 423-448.000.
- Boston, Vincent; Boggan, Elvis W.; and Asbo, Einar L., to Visa International Service Association. Transaction system with off-line risk assessment. 4,812,628, 3-14-89, Cl. 235-380.000.
- Bostrom, Norman A. Microwave ion source. 4,797,597, 1-10-89, Cl. 315-39.000.
- Bostrom Seating, Inc.: *See—*
  - Hall, Garth O.; and Tengler, Harvey N., 4,880,201, Cl. 248-575.000.
- Bostwick, Norvan W., to AIL Corporation. Fuel viscosity/density compensation device. 4,889,092, 12-26-89, Cl. 123-381.000.
- Boswell, Elizabeth M. C.: *See—*
  - Love, Simon; Boswell, Elizabeth M. C.; and Quy, Roger J., 4,870,561, Cl. 364-192.000.
- Boswell, James W. Leg structure for supporting a table leaf for use as a separate table. 4,869,180, 9-26-89, Cl. 108-157.000.
- Boswell, Jerald O. Vacuum cleaner. 4,874,404, 10-17-89, Cl. 55-86.000.
- Boswell, Matthew T.: *See—*
  - Weil, Eric P.; and Boswell, Matthew T., 4,819,883, Cl. 241-99.000.
- Boswell, Michael J.: *See—*
  - Langa, John M.; Boswell, Michael J.; and Littleton, Kermit R., 4,880,167, Cl. 239-542.000.
- Boswell, Peter: *See—*
  - Haour, Georges; Richter, Dag; Boswell, Peter; and Wagnieres, Willy, 4,865,876, Cl. 427-96.000.
- Boswell, Roderick W., to Australian National University, The. Method and apparatus for producing large volume magnetoplasmas. 4,810,935, 3-7-89, Cl. 315-111.410.
- Bosyj, Nick M.; Leonatti, John A.; Weber, Vincent L.; and Wagner, Gregory P., to Hoover Company, The. Wet and dry vacuum cleaner. 4,831,685, 5-23-89, Cl. 15-344.000.
- Bosze, Wayne P.; Froebe, Ronald L.; McClure, Gordon; Thomas, Ronald E., Jr.; and Weingartner, Philip F., to Bourns, Inc. Cermet resistive element for variable resistor. 4,824,694, 4-25-89, Cl. 427-102.000.
- Botar, Laszlo : *See—*
  - Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly, Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso ; Nemes, Istvan; Botar, Laszlo : Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
- Botar, Sandor: *See—*
  - Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.
- Botev, Kostadin B.: *See—*
  - Zapryanov, Yordan D.; Boyadjiev, Dimcho I.; Mladenov, Desho I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadin B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michail P.; and Kolev, Kolyo E., 4,814,993, Cl. 364-442.000.
- Botez, Dan; and Bogner, Bruce F., to General Electric Company. Phase-locked laser array with phase-shifting surface coating. 4,805,176, 2-14-89, Cl. 372-29.000.
- Botez, Dan, to TRW Inc. Laser array with wide-waveguide coupling region. 4,852,113, 7-25-89, Cl. 372-50.000.
- Botez, Dan; and Mawst, Luke J. Phased-locked array of semiconductor lasers using closely spaced antiguides. 4,860,298, 8-22-89, Cl. 372-45.000.
- Botez, Dan; and Mawst, Luke J., to TRW Inc. Wide-waveguide interferometric array with interelement losses. 4,866,724, 9-12-89, Cl. 372-50.000.
- Both, Gerald W.: *See—*
  - Atkinson, Paul H.; Bellamy, A. Richard; Both, Gerald W.; and Poruchynsky, Marianne S., 4,861,864, Cl. 530-324.000.
- Bothe, Lothar; Schloegl, Gunter; and Crass, Guenther, to Hoechst Aktiengesellschaft. Packaging wrapper for disk-shaped magnetic information carriers. 4,863,032, 9-5-89, Cl. 206-444.000.
- Bothe, Lothar; Crass, Guenther; Janocha, Siegfried; and Schloegl, Gunter, to Hoechst Aktiengesellschaft. Multilayer film containing a biaxially oriented polypropylene film. 4,883,698, 11-28-89, Cl. 428-35.900.
- Bothe, Lothar: *See—*
  - Janocha, Siegfried; Crass, Guenther; Schloegl, Gunter; and Bothe, Lothar, 4,842,187, Cl. 229-87.00F.
- Bothner, Carl R.; Peffer, Robert M.; and Vernon, Curtis L., to Eastman Kodak Company. Apparatus for cleaning particulate matter from a moving web. 4,827,311, 5-2-89, Cl. 355-297.000.
- Bothner, Carl R.: *See—*
  - Ziegelmuller, Francisco L.; and Bothner, Carl R., 4,851,880, Cl. 355-302.000.
- Bothner, Jakob, to Zinser Textilmaschinen GmbH. Apparatus for positioning a ring rail of a textile machine. 4,879,872, 11-14-89, Cl. 57-137.000.
- Bothwell, Peter W. Internal combustion engines. 4,858,573, 8-22-89, Cl. 123-90.150.
- Bothwell, Peter W. Internal combustion engine. 4,887,565, 12-19-89, Cl. 123-90.260.
- Botka, Julius, to Hewlett-Packard Company. Adjustable length slotless female contact for connectors. 4,797,126, 1-10-89, Cl. 439-843.000.
- Botka, Peter: *See—*
  - Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.
- Botkins, Thomas G., Jr., to Westvaco Corporation. Method and apparatus for controlling sludge flocculant flow. 4,867,886, 9-19-89, Cl. 210-709.000.
- Botsco, Ronald J.; Jones, Robert L.; and Methe, David E., to NDT Instruments, Inc. Ultrasonic thickness gauge having automatic transducer recognition and parameter optimization and method thereof. 4,840,066, 6-20-89, Cl. 73-597.000.
- Botsolas, Carol M.: *See—*
  - Botsolas, Chris J., 4,840,201, Cl. 138-178.000.
- Botsolas, Chris J., to Proto Corp. Specialized pipefitting cover for insulated Y-shaped joint. 4,830,060, 5-16-89, Cl. 138-149.000.
- Botsolas, Chris J., to Botsolas, Carol M. Two piece pipe fitting cover. 4,840,201, 6-20-89, Cl. 138-178.000.
- Botsolas, Chris J. End cap. 4,869,293, 9-26-89, Cl. 138-96.00R.
- Bott, David C.; and Connors, Lucy M., to British Petroleum Company p.l.c., The. Photo polymers and uses thereof. 4,857,426, 8-15-89, Cl. 430-18.000.
- Bott, Jerry A., to Automatic Inspection Systems. Automatic bottle bagger. 4,848,065, 7-18-89, Cl. 53-48.000.
- Bott, John A.; and Cucheran, John S. Molded plastic luggage carrier construction. 4,838,467, 6-13-89, Cl. 224-326.000.
- Bott, John A. Vehicle article carrier. 4,877,168, 10-31-89, Cl. 224-321.000.
- Bott, John A. Vehicle deck rack with pop-up tie-downs. 4,883,208, 11-28-89, Cl. 224-316.000.
- Bott, John A. Cargo restraint system for pick-up truck bedliners. 4,887,947, 12-19-89, Cl. 410-144.000.
- Bott, Kaspar; and Irnich, Erika, to BASF Aktiengesellschaft. Preparation of acyl halides. 4,863,641, 9-5-89, Cl. 562-848.000.
- Bott, Kaspar; Hartmann, Horst; and Guth, Josef, to BASF Aktiengesellschaft. Preparation of carboxylic esters. 4,889,950, 12-26-89, Cl. 560-205.000.
- Bott, Kaspar: *See—*
  - Bronstert, Klaus; Bohnet, Siegbert; Himmele, Walter; and Bott, Kaspar, 4,861,742, Cl. 502-157.000.
- Bott, Reinhard, to Bokela Ingenieurgesellschaft fur Mechanische Verfahrenstechnik. Process for the formation and drying of filter cake. 4,837,944, 6-13-89, Cl. 34-22.000.
- Bott, Roger L. Device for developing golf ball address stance. 4,805,913, 2-21-89, Cl. 273-187.00R.
- Botta, Artur; and Jabs, Gert, to Bayer Aktiengesellschaft. Oligobenzylated hydroxycarboxylic acid derivative. 4,879,368, 11-7-89, Cl. 528-397.000.
- Bottacchi, Stefano; and Oselladore, Mauro, to GTE Telecommunicazioni S.p.A. Driver for a semiconductor laser. 4,799,224, 1-17-89, Cl. 372-38.000.
- Bottarelli, Teresio; and Nulchis, Antonio. Process for splicing fibers in strips, and a machine for feeding a textile machine incorporating such a process. 4,798,045, 1-17-89, Cl. 57-22.000.
- Bottcher, Henning; Hausberg, Hans-Heinrich; Seyfried, Christoph; and Minck, Klaus-Otto, to Merck Patent Gesellschaft mit Beschrankter Haftung. Substituted indole compounds which have useful effects on the central nervous system. 4,824,852, 4-25-89, Cl. 514-290.000.
- Bottcher, Henning: *See—*
  - Gottschlich, Rudolf; Bottcher, Henning; Hausberg, Hans-Heinrich; Minck, Klaus-Otto; and Seyfried, Christoph, 4,870,087, Cl. 514-336.000.
- Bottcher, Kurt: *See—*
  - Leibetseder, Ferdinand; and Bottcher, Kurt, 4,805,379, Cl. 53-444.000.
- Bottega, Philip M. Pizza pouch. 4,811,846, 3-14-89, Cl. 206-542.000.
- Bottelsen, Walter E. Dart with flight lock. 4,886,280, 12-12-89, Cl. 273-423.000.
- Bottelson, Thomas J.: *See—*
  - Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., 4,820,073, Cl. 402-68.000.
  - Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., 4,820,074, Cl. 402-75.000.
  - Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., 4,842,435, Cl. 402-80.00R.
- Bottenbruch, Ludwig; Traenckner, Hans-Joachim; Hampe, Andreas; and Schumacher, Klaus, to Bayer Aktiengesellschaft. Process and device for measuring the adhesion of fibres in fibre-reinforced synthetic materials. 4,856,342, 8-15-89, Cl. 73-827.000.
- Bottenbruch, Ludwig: *See—*
  - Eckhardt, Volker; Dicke, Hans-Rudolf; Bottenbruch, Ludwig; Freitag, Dieter; and Biskup, Ulrich, 4,801,677, Cl. 528-176.000.
  - Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; Bottenbruch, Ludwig; Kleiner, Frank; and Blank, Heinz-Ulrich, 4,835,243, Cl. 528-176.000.
  - Wittmann, Dieter; Kress, Hans-Jurgen; Bottenbruch, Ludwig; Leitz, Edgar; and Peters, Horst, 4,882,381, Cl. 525-63.000.
- Bottger, Dirk: *See—*
  - Berscheid, Hans G.; Bottger, Dirk; and Kraemer, Hans P., 4,795,808, Cl. 536-6.400.
- Bottger, Erik; and Nilson, Billy. Device for discharging cream or paste-like material from a container. 4,828,150, 5-9-89, Cl. 222-207.000.
- Bottger, Wolfgang; and Biedermann, Kurt, to Vorwerk & Co. Interholding GmbH. Housing component part made of a laminated multilayered woven laminate. 4,818,580, 4-4-89, Cl. 428-113.000.
- Bottger, Wolfgang; Biedermann, Kurt; and Pensel, Werner, to Vorwerk & Co. Interholding GmbH. Structural element formed of a resin-hardened velour fabric and fabrication method. 4,840,828, 6-20-89, Cl. 428-120.000.

Botti, Edoardo, to SGS-Thomson Microelectronics S.p.A. Integratable class AB output stage for low-frequency amplifiers. 4,814,723, 3-21-89, Cl. 330-263.000.

Botti, Edoardo; and Torazzina, Aldo, to SGS -Thomson Microelectronics S.p.A. Integrated audio amplifier commutable in a bridge or stereo configuration in a seven pin package. 4,827,221, 5-2-89, Cl. 330-51.000.

Botti, Edoardo; and Stefani, Fabrizio, to SGS-Thomson Microelectronics S.p.a. High-dynamics amplifier stage with distortion detection. 4,849,713, 7-18-89, Cl. 330-284.000.

Botti, Edoardo; Torazzina, Aldo; and Stefani, Fabrizio, to S-Thomson Microelectronics S.p.A. Amplifier stage with collector output. 4,878,032, 10-31-89, Cl. 330-263.000.

Botti, Edoardo; and Torazzina, Aldo, to SGS-Thomson Microelectronics, s.r.l. Integrated audio amplifier electronically commutable from a single ended or stereo configuration to a balanced or bridge configuration and viceversa. 4,879,526, 11-7-89, Cl. 330-295.000.

Bottinelli, N. Edward: *See—*

Bishop, Norman G.; Bottinelli, N. Edward; and Kotraba, Norman L., 4,836,847. Cl. 75-25.000.

Bottino, Becky J.: *See—*

Reno, John M.; and Bottino, Becky J., 4,877,868, Cl. 530-390.000.

Bottomley, Paul A.; Hardy, Christopher J.; O'Donnell, Matthew; and Roemer, Peter B., to General Electric Company. Multi-dimensional selective NMR excitation with a single RF pulse. 4,812,760, 3-14-89, Cl. 324-309.000.

Bottomley, Paul A.; Roemer, Peter B.; Edelstein, William A.; and Mueller, Otward M., to General Electric Company. Method of, and apparatus for, NMR spectroscopic metabolite imaging and quantification. 4,881,032, 11-14-89, Cl. 324-309.000.

Bottomley, Paul A.: *See—*

Roemer, Peter B.; Bottomley, Paul A.; and Edelstein, William A., 4,885,539, Cl. 324-318.000.

Bottomley, Robin C.; Colvin, Robert D.; and Van Blanton, Madison, to Express Foods Group Limited. Decolorising of whey and products derived from whey. 4,888,184, 12-19-89, Cl. 426-41.000.

Bottoms, Stanley; and Vega, Guillermo, to Paradyne Corporation. Selective signalling encoder/decoder for multipoint data communication networks. 4,815,105, 3-21-89, Cl. 375-37.000.

Bottorf, Scott A.; Russell, Jeffrey D.; and Southard, Conway A., to Rockwell International Corporation. Moving map display. 4,825,381, 4-25-89, Cl. 364-443.000.

Bottorf, Scott A., to Rockwell International Corporation. Scrolling image memory for high speed avionics moving map display. 4,845,631, 7-4-89, Cl. 364-443.000.

Bottum, Edward W. Air to air heat exchange structure and method. 4,867,231, 9-19-89, Cl. 165-54.000.

Bottum, Edward W.: *See—*

Bottum, Edward W., Jr.; and Bottum, Edward W., 4,823,557, Cl. 62-238.600.

Bottum, Edward W., Jr.; and Bottum, Edward W. Dehumidifier water heater structure and method. 4,823,557, 4-25-89, Cl. 62-238.600.

Botz, Jakob; and Weber, Adam, to SWF- Auto Electric GmbH. Electric switch. 4,868,352, 9-19-89, Cl. 200-4.000.

Botzman, Thomas J., to Goodyear Tire & Rubber Company, The. Non-staining vulcanized elastomeric composition and tires having sidewalls comprising said composition. 4,804,028, 2-14-89, Cl. 152-525.000.

Botzolakis, John E.; Harris, Michael R.; and Nesbitt, Russell U., to Warner-Lambert Company. Apparatus for measuring capsule plug, granule and pellet hardness. 4,807,465, 2-28-89, Cl. 73-78.000.

Botzolakis, John E.; Casier, Dirk; and Harris, Michael R., to Warner-Lambert Company. Instrumentation of a dosing-disc capsule machine. 4,864,876, 9-12-89, Cl. 73-862.540.

Bouadma, Noureddine. Process for producing a semiconductor laser mirror by ionic machining. 4,865,684, 9-12-89, Cl. 156-643.000.

Bouajila, Ahmed: *See—*

Barbery, Gilles; Bouajila, Ahmed; and Soto, Heriban, 4,822,493, Cl. 210-703.000.

Bouaziz, Joel: *See—*

Briane, Alain; Chevalier, Michel; and Bouaziz, Joel, 4,806,744, Cl. 235-477.000.

Eriane, Alain; Chevalier, Michel; and Bouaziz, Joel, 4,864,114, Cl. 235-480.000.

Bouc, Gary L.: *See—*

Logman, Timothy M.; Daghe, Joseph L.; Humes, Dennis W.; Floren, Carl E.; and Bouc, Gary L., 4,848,730, Cl. 251-367.000.

Boucard, Jean; Delaitre, Andre ; Deliance, Jean; and Winaver, Andre , to Thomson-Brandt Armements. Activating device with safety system for a charge releasable from a carrier. 4,867,035, 9-19-89, Cl. 89-1.550.

Boucard, Michel; Thirion, Christian; and Maurel, Christian, to Bendix Electronics S.A. Housing for an electronic circuit. 4,879,630, 11-7-89, Cl. 361-386.000.

Boucek, Miroslav: *See—*

Burysek, Frantisek; Sloupensky, Jiri; Boucek, Miroslav; Hortlik, Frantisek; Bace, Jiri ; Silar, Zdenek; and Kuivasi, Jiri, 4,821,502, Cl. 57-263.000.

Bouchard, Andre C.; and Thibault, Paul A., to GTE Products Corporation. Method of treating tungsten cathodes. 4,836,816, 6-6-89, Cl. 445-51.000.

Bouchard, Bertrand, to Hydro-Quebec. System and method for the identification of phase conductors. 4,852,174, 7-25-89, Cl. 381-58.000.

Boucharlat, Gilles; Cazaux, Yvon; and Chabbal, Jean-Joseph, to Thomson-CSF. Anti dazzle device for a charge transfer image sensor and an image sensor including such a device. 4,819,072, 4-4-89, Cl. 358-213.290.

Boucharlat, Gilles, to Thomson-CSF. Charger transfer shift register with voltage sensing device using a floating-potential diode. 4,839,911, 6-13-89, Cl. 377-57.000.

Bouchaudon, Jean; Farge, Daniel; and James, Claude, to Rhone-Poulenc Sante. Process for the preparation of N^6-benzyloxycarbonyl-2,6-diaminopimelamic acid in the L,L or D,D or racemic forms. 4,868,326, 9-19-89, Cl. 560-159.000.

Boucher, Andre: *See—*

Terrasse, Joseph J.; Boucher, Andre; and Seux, Michel, 4,802,528, Cl. 164-428.000.

Boucher, Didier: *See—*

Pohlenz, Charles; Boucher, Didier; and Tocquet, Bernard, 4,811,307, Cl. 367-135.000.

Boucher, Donald A., to PCI Group Inc. Gripping eyelet die tool assembly. 4,852,251, 8-1-89, Cl. 29-845.000.

Boucher, Jay M.: *See—*

Lalumiere, Robert J.; and Boucher, Jay M., 4,858,394, Cl. 51-312.000.

Boucher, Joan L.; and Mitchell, Pamela. Handler cover and seat cover for a shopping cart. 4,805,937, 2-21-89, Cl. 280-33.992.

Boucher, Richard: *See—*

Morgan, John D.; Giolma, William H.; and Boucher, Richard, 4,798,973, Cl. 307-296.00R.

Boucher, Richard A.; and Abrams, Randy L., to Sanitoy, Inc. Locking means. 4,833,737, 5-30-89, Cl. 4-253.000.

Boucher, Richard E.: *See—*

Chloupek, James E.; and Boucher, Richard E., 4,804,928, Cl. 331-1.00A.

Boucher, Robert C. Scuba tank mounting bracket. 4,889,306, 12-26-89, Cl. 248-313.000.

Boucher, Robert J. Combustion furnace with proportional underfire/overfire air intake control. 4,829,914, 5-16-89, Cl. 110-234.000.

Boucher, Stephen G.; Lins, Christopher S.; and Simoneau, Michael J., to Airmar Technology Corporation. Dual axis transducer. 4,815,046, 3-21-89, Cl. 367-173.000.

Boucher, Stephen G., to Airmar Technology Corporation. Marine instrument. 4,836,020, 6-6-89, Cl. 73-187.000.

Boucher, Stephen G., to Airmar Technology Corporation. Marine instrument mounting mechanism. 4,850,559, 7-25-89, Cl. 248-286.000.

Boucher, Terry D.; and Holmes, Brian M., to Cobe Laboratories, Inc. Method and apparatus for monitoring blood components. 4,810,09 3-7-89, Cl. 356-39.000.

Boucher, Terry D.: *See—*

Ogawa, Francis T.; Eilers, George J.; Manes, Michael R.; Lobdell, Donn D.; and Boucher, Terry D., 4,825,168, Cl. 324-439.000.

Prybella, John R.; and Boucher, Terry D., 4,795,314, Cl. 417-43.000.

Boucherie, Leonel, to G. B. Boucherie, naamloze vennootschap, Firma. Universal brush clamp. 4,818,028, 4-4-89, Cl. 300-10.000.

Boucherie, Leonel, to G. B. Boucherie, naamloze vennootschap, Firma. Brush manufacturing machine. 4,854,645, 8-8-89, Cl. 300-10.000.

Boucheron, Thierry: *See—*

Belbel, Elie; Boucheron, Thierry; Lauraire, Michel; and Rioux, Jean-Paul, 4,888,661, Cl. 361-102.000.

Bouchet, Jacques. Toothing and gears made therewith. 4,867,0 9-19-89, Cl. 74-462.000.

Bouchet, Jean M.: *See—*

Meyer, Jacques; Bouchet, Jean M.; and Lande, Jean P., 4,817,2 Cl. 455-603.000.

Bouchet, Rene; and Manzone, Jean M., to Gouvernement Monegasque Le Service des Travaus. Method and device for attenuating the sea swell. 4,850,742, 7-25-89, Cl. 405-26.000.

Bouchez, Dominique; Casamata, Gilbert; Fournier, Pascale; and Benasconi, Christian, to Societe Anonyme Elf France. Reduced viscosity heavy hydrocarbon composition in form of multiple emulsion and its production. 4,804,495, 2-14-89, Cl. 252-312.000.

Bouchier, Guy; and Lhuisset, Francois. Plasma scalpel. 4,839,4 6-13-89, Cl. 219-121.480.

Bouchon, Jean C. M., to La Physique Appliquee Industrie. Four electrique notamment pour traitement thermique. 4,882,468, 11-21-89, Cl. 219-400.000.

Boucke, Karl-Ernst: *See—*

Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, 4,831,854, Cl. 72-8.000.

Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, 4,862,570, Cl. 29-81.00A.

Bouclier, Martine: *See—*

Shroot, Braham; Eustache, Jacques; and Bouclier, Martine, 4,886,907, Cl. 562-490.000.

Boucquaert, Francois: *See—*

Regnaudin, Jacques; and Boucquaert, Francois, 4,855,962, Cl. 367-19.000.

Bouda, Keiji, to Mazda Motor Corporation. Automatic transmission system for a vehicle. 4,858,498, 8-22-89, Cl. 74-866.000.

Boudart, Michel; Oyama, Shigeo T.; and Volpe, Leo, to Leland Stanford Junior University, The Board of Trustees of the. Methods and compostions involving high specific surface area carbides and nitrides. 4,851,206, 7-25-89, Cl. 423-409.000.

Boudet, Pierre: *See—*

Jacquet, Bruno; Boudet, Pierre; and Tellier, Jean-Pierre, 4,815,3 Cl. 72-454.000.

Boudewijns, Arnoldus J. J., to U. S. Philips Corporation. Charge-coupled device. 4,812,887, 3-14-89, Cl. 357-24.000.

Boudewijns, Arnoldus J. J.; and Collet, Marnix G., to U.S. Philips Corp. Charge-coupled semiconductor device and image sensor device of high information density. 4,86[illegible]55, 9-19-89, Cl. 377-60.000.

Boudewijns, Arnoldus J. J., to U.S. Philips Corporation. Oscillator phase control loop having plural switched current sources. 4,885,552, 12-5-89, Cl. 331-1.00A.

Boudewijns, Arnoldus J. J.: *See—*

Boon, Cornelis A. M.; Boudewijns, Arnoldus J. J.; and Frensch, Adrianus J., 4,833,371, Cl. 315-403.000.

Boon, Cornelis A. M.; and Boudewijns, Arnoldus J. J., 4,835,727, Cl. 364-858.000.

Boudin, Alain: *See—*

Corriu, Robert; Cerveau, Genevieve; Chuit, Claude; Reye, Catherine; and Boudin, Alain, 4,835,316, Cl. 564-505.000.

Boudjouk, Philip R., to North Dakota State University. Hydrosilation process. 4,827,009, 5-2-89, Cl. 556-979.000.

Boudon, Douglas M.; and Gottsch, Jim, to Tektronix, Inc. Sheet metal knock-out. 4,825,339, 4-25-89, Cl. 361-390.000.

Boudon, Douglas M., to Tektronix, Inc. Support structure. 4,864,469, 9-5-89, Cl. 361-395.000.

Boudon, Gerard: *See—*

Bauge, Michel; Boudon, Gerard; Mollier, Pierre; Peter, Jean-Luc; and Yamour, Yiannis J., 4,856,000, Cl. 371-9.000.

Boudot, Bernard: *See—*

Jacubert, Serge, Boudot, Bernard; and Nataf, Philippe, 4,831,964, Cl. 118-725.000.

Boudot, Jean E.; and Mazeau, Jean-Pierre, to Corning Glass Works. Medium refractive index glass suitable for ophthalmic applications. 4,822,758, 4-18-89, Cl. 501-65.000.

Boudot, Jean E., and Mazeau, Jean P., to Corning Glass Works. Chemically durable, high index, low density glasses. 4,839,314, 6-13-89, Cl. 501-78.000.

Boudot, Marianne; and Heitzmann, Michel, to Thomson CSF. Prematched module for an ultra-high frequency diode and a process for forming the biasing connection for the diode. 4,864,384, 9-5-89, Cl. 357-68.000.

Boudou, Alain; and Doyle, Brian, to Bull S.A. Method for memorizing a data bit in an integrated mos-type static random access memory cell, a transistor for performing the method, and the memory so obtained. 4,843,442, 6-27-89, Cl. 357-23.300.

Boudou, Alain; Doyle, Brian; and Marchetaux, Jean-Claude, to Bull S.A. Method of producing an electrical resistor by implanting a semiconductor material with rare gas. 4,851,359, 7-25-89, Cl. 437-24.000.

Boudreau/Darque, Inc.: *See—*

Boudreau, Louis H.; and Ketterer, Scott R., 4,878,665, Cl. 273-34.00R.

Boudreau, Louis H.; and Ketterer, Scott R., to Boudreau/Darque, Inc. Golf cup advertising device and method. 4,878,665, 11-7-89, Cl. 273-34.00R.

Boudreau, Lynnlee M.: *See—*

Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.

Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,874,266, Cl. 403-407.100.

Boudreau, Robert A.; and Brown, Robert E., to GTE Products Corporation. Pulse burst panel drive for electroluminescent displays. 4,839,563, 6-13-89, Cl. 315-169.300.

Boudreau, Ronald R.: *See—*

Savas, Peter G.; Kiger, Virginia S.; and Boudreau, Ronald R., 4,800,020, Cl. 210-359.000.

Boudreaux, Donald P.; and Matrozza, Mark A., to Microlife Technics, Inc. Method for rapidly developing a red color in meat using streptococcus lactis subspecies diacetylactis. 4,847,097, 7-11-89, Cl. 426-56.000.

Boudreaux, Donald P.; Matrozza, Mark A.; and Leverone, Marianne F., to Microlife Technics, Inc. Method for inhibiting food-borne human pathogens and preventing microbial spoilage in refrigerated foods using a Lactobacillus. 4,874,704, 10-17-89, Cl. 435-252.900.

Boudreaux, Donald P.: *See—*

Matrozza, Mark A.; Leverone, Marianne F.; and Boudreaux, Donald P., 4,880,743, Cl. 435-252.400.

Boudreaux, Edwin, Jr., to Phillips Petroleum Company. Process to graft stereoregular polymers of branched, higher alpha-olefins and compositions thereof. 4,888,394, 12-19-89, Cl. 525-285.000.

Boudreaux, Randall P.: *See—*

Crouse, Richard S.; Boudreaux, Randall P.; and Cazzolla, John J., Jr., 4,831,517, Cl. 364-200.000.

Boudreaux, Thad: *See—*

Yalamanchili, Bhaskar; Wisniewski, Frank; and Boudreaux, Thad, 4,853,032, Cl. 75-10.490.

Boudy, Pierre; Houze, Martine; Bruneel, C.; and Bigotte, Jean L., to M.T.W. Leader Sarl. Measurement of the thickness of layers of material by ultrasonic interferometry. 4,862,747, 9-5-89, Cl. 73-631.000.

Bouffard, F. Aileen; and Salzmann, Thomas N., to Merck & Co., Inc. Process for the stereocontrolled silyloxyethylation of azetidinones. 4,816,578, 3-28-89, Cl. 540-200.000.

Bougamont, Jean-Louis; and Behar, Alain, to Societe Francaise d'Aerosol et de Bouchage. Dispensing valve. 4,842,168, 6-27-89, Cl. 222-402.200.

Bougger, Gary E., to Dale Electronics, Inc. Surface mount wirewound resistor and method of making the same. 4,884,053, 11-28-89, Cl. 338-275.000.

Bougher, Jerry D., to Indiana Mills & Manufacturing, Inc. Seat belt buckle assembly. 4,832,410, 5-23-89, Cl. 297-474.000.

Bougher, Jerry D., to Indiana Mills & Manufacturing, Inc. Anti-creep cam bar. 4,876,770, 10-31-89, Cl. 24-170.000.

Boughten, Larry R.: *See—*

Ihn, Paul T.; and Boughten, Larry R., 4,865,779, Cl. 264-1.100

Boughton, John H.; Butz, Ralph A.; Cheng, Herman C. T.; Dennis, Jonathan R.; Hannon, Brian T.; and Weigel, Janet H., to Du Pont de Nemours, E. I., and Company. Manufacture of high purity hydrogen peroxide by using reverse osmosis osmosis. 4,879,043, 11-7-89, Cl. 210-651.000.

Bouhier, Bernard, to Hutchinson. Hydraulic antivibratory support sleeves. 4,869,475, 9-26-89, Cl. 267-140.100.

Bouhours, Jean P.; and Bellamy, Alain, to Hutchinson. Improvements to hydraulic antivibratory supports. 4,869,478, 9-26-89, Cl. 267-140.100.

Bouhours, Jean-Paul, to Hutchinson. Hydraulic antivibratory supports. 4,889,326, 12-26-89, Cl. 267-140.100.

Bouillette, Thierry; Olivier, Denis; and Guigou, Bernard, to Etude Recherche Et Development - E.R.D. Sarl. Reconstructed fruit pieces and, process for preparation. 4,853,245, 8-1-89, Cl. 426-575.000.

Bouilliez, Leon: *See—*

Barroyer, Paul; Piat, Eric; Foucher, Bernard; and Bouilliez, Leon, 4,825,940, Cl. 165-84.000.

Bouillot, Michel; Calvignac, Jean L.; and Munier, Jean-Marie L., to International Business Machines Corp. Non-coded information and companion data switching mechanism. 4,811,339, 3-7-89, Cl. 370-94.000.

Bouillot, Michel; Calvignac, Jean-Louis J.; and Munier, Jean-Marie L., to International Business Machines Corporation. Bypass booster mechanisms for the line scanners of a communication controller. 4,855,948, 8-8-89, Cl. 364-900.000.

Bouillot, Pierre A. P.; and Genet, Claude A. L., to Societe Nationale D'Etude et de Construction de Moteurs D'Aviation "S.N.E.C.-M.A.". Method of manufacturing cooling film devices for combustion chambers of turbomachines. 4,821,387, 4-18-89, Cl. 29-157.00C.

Bouin, Gerard. Harvester device for stalked plants of the sunflower kind which can be fitted on a cutter for stalked corn type plants. 4,805,387, 2-21-89, Cl. 56-66.000.

Bouin, Gerard. Lifter apparatus of variable geometry for crops which are leaning. 4,887,419, 12-19-89, Cl. 56-319.000.

Bouin, Thierry: *See—*

Billiotte, Jean-Marie; Bouin, Thierry; Basset, Frederic; Beauvois, Jacques; and Primat, Didier, 4,881,269, Cl. 382-8.000.

Bouix, Herve F.: *See—*

Grollier, Jean-Francois; Peritz, Lyonel; and Bouix, Herve F., 4,823,985, Cl. 222-1.000.

Bouix, Jean; Viala, Jean C.; Vincent, Henri; Vincent, Christiane; Ponthenier, Jean L.; and Dazord, Jacques, to Central National De La Recherche Scientifique (CNRS). Process for coating carbon fibers with a carbide, and carbon fibers thus coated. 4,859,503, 8-22-89, Cl. 427-249.000.

Bouko, Jean: *See—*

Drabowitch, Serge; and Bouko, Jean, 4,857,936, Cl. 342-368.000.

Boula, Gerard; and Georges, Alain, to Framatome. Process for the installation of tubes in a steam generator. 4,839,951, 6-20-89, Cl. 29-157.400.

Boulanger, Alain: *See—*

Auneau, Gisele; and Boulanger, Alain, 4,881,048, Cl. 331-14.000.

Boulanger, Kenenth A.: *See—*

Fuller, Douglas D.; and Boulanger, Kenenth A., 4,848,944, Cl. 400-629.000.

Bouldin, David W. Coffeemaker. 4,802,406, 2-7-89, Cl. 99-295.000.

Bouldin, Eric W.; and Drexler, Jerome, to Drexler Technology Corporation. Optical memory card with versatile storage medium. 4,837,134, 6-6-89, Cl. 430-445.000.

Bouldin, Eric W.; and Drexler, Jerome, to Drexler Technology Corporation. Data recording system for optical memory tape. 4,884,260, 11-28-89, Cl. 369-93.000.

Bouldin, Eric W.: *See—*

Drexler, Jerome; and Bouldin, Eric W., 4,863,819, Cl. 430-14.000.

Drexler, Jerome; and Bouldin, Eric W., 4,889,979, Cl. 235-454.000.

Boule, Jean-Pierre: *See—*

Remery, Patrick; and Boule, Jean-Pierre, 4,822,984, Cl. 235-375.000.

Boulet, Jean; and Morin, Pierre, to SMF International; and Institut Francais du Petrole. Device for the remote adjustment of the relative orientation of two sections of a column. 4,836,303, 6-6-89, Cl. 175-74.000.

Boulet, Jean: *See—*

Cendre, Andre ; and Boulet, Jean, 4,821,817, Cl. 175-269.000.

Cendre, Andre; and Boulet, Jean, 4,844,178, Cl. 175-73.000.

Cendre, Andre ; and Boulet, Jean, 4,848,488, Cl. 175-61.000.

Bouley, Jean-Claude; and Correc, Pascal. Distributed feedback semiconductor laser of continuously tunable wavelength. 4,802,187, 1-31-89, Cl. 372-96.000.

Boulier, Paul R.: *See—*

Lo, Lawrence Y.; and Boulier, Paul R., 4,866,125, Cl. 525-67.000.

B[illegible]ligny Company, The: *See—*

Howard, Robert M., Jr., 4,832,663, Cl. 474-88.000.

Boullet, Joseph, to Commissariat a l'Energie Atomique. Apparatus for the automatic measurement of the apparent weight of a sludge contained in a liquid and system for automatically measuring the PON-

SAR index of such a sludge, using the apparatus. 4,830,126, 5-16-89, Cl. 177-207.000.
Boulogne, Serge J.: *See—*
    Gemignani, Andre; Boulogne, Serge J.; and Schaumburg, Gerald, 4,802,505, Cl. 137-492.000.
Boulos, Charles A.: *See—*
    Guscott, John K.; Stelmack, Gerard G.; and Boulos, Charles A., 4,875,029, Cl. 340-567.000.
Boulos, Edward N.; Reid, Patricia B.; and Tweadey, Robert F., to Ford Motor Company. Nickel ion-free blue glass composition. 4,866,010, 9-12-89, Cl. 501-71.000.
Boulos, Maher; and Jurewicz, Jerzy, to Universite de Sherbrooke. Process of depositing particulate material on a substrate. 4,853,250, 8-1-89, Cl. 427-34.000.
Boultinghouse, Karlan D.; Schoeneman, J. Lee; and Tise, Bertice L., to United States of America, Energy. Method for laser-based two-dimensional navigation system in a structured environment. 4,796,198, 1-3-89, Cl. 364-513.000.
Boulton, Jonathan M.: *See—*
    Emblem, Harold G.; Jones, Kenneth; and Boulton, Jonathan M., 4,810,441, Cl. 264-56.000.
Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., to Delapena Honing Equipment Limited. Honing machine. 4,816,731, 3-28-89, Cl. 318-569.000.
Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., to Delapena Honing Equipment Limited. Stone expansion control for a honing machine. 4,823,061, 4-18-89, Cl. 318-603.000.
Boulton, Paul D., to Cameron Iron Works USA, Inc. Seal. 4,832,381, 5-23-89, Cl. 285-351.000.
Boulware, Richard T.; and Schlowsky, George, to Vipont Pharmaceutical, Inc. Production of high purity alkaloids. 4,818,533, 4-4-89, Cl. 424-195.100.
Bouman, Larry N.: *See—*
    Ostrowski, Norbert F.; Bouman, Larry N.; and Hempelmann, Heinrich J., 4,819,991, Cl. 301-37.0SS.
Boumans, Peter M.; and Sobczak, Hendrik J. J. Apparatus for preparing hot drinks. 4,823,685, 4-25-89, Cl. 99-287.000.
Bou-Mikael, Sami; Alston, Robert B.; and Hoyt, Donald L., to Texaco Inc. Modified push/pull flood process for hydrocarbon recovery. 4,819,724, 4-11-89, Cl. 166-263.000.
Bounce, Inc.: *See—*
    Markham, Joseph P.; and Emily, Peter, 4,802,444, Cl. 119-29.000.
Boundy, Bruce K.; and Schoumaker, Raoul J. P., to Westinghouse Electric Corp. Office space dividing arrangement. 4,874,027, 10-17-89, Cl. 160-230.000.
Boundy, Timothy M., to Chrysler Motors Corporation. Door trim panel fastening assembly. 4,861,208, 8-29-89, Cl. 411-339.000.
Bounie, Paul; and Plaquin, Bernard, to Vallourec. Threaded joint for steel pipes containing a sealing device located at the level of the threading. 4,828,294, 5-9-89, Cl. 285-334.000.
Bounie, Paul: *See—*
    Plaquin, Bernard; and Bounie, Paul, 4,828,295, Cl. 285-334.000.
Bouque, Jean M., to Salomon S.A. Monoski binding. 4,869,524, 9-26-89, Cl. 280-617.000.
Bouquet, Francois: *See—*
    Debouzie, Alain; Bouquet, Francois; and De Meringo, Alain, 4,826,722, Cl. 428-280.000.
Bour, George: *See—*
    Van Sickle, Richard G.; and Bour, George, 4,873,768, Cl. 33-178.00R.
Bourbeau, Gaetan. Continuous strip envelopes. 4,804,135, 2-14-89, Cl. 229-69.000.
Bourbigot, Marie-Marguerite: and Faivre, Michel, to OTV (Omnium de Traitements et de Valorisation). Apparatus for gas transfer and flotation for treating water to be purified. 4,795,557, 1-3-89, Cl. 210-221.200.
Bourbon, Jean-Claude; and Gerard, Guy, to Fabrique de Fer de Maubeuge; and Redex. Device for planing a sheet metal strip under tension. 4,823,582, 4-25-89, Cl. 72-164.000.
Bourbon, Robert M.; and Ryan, John J., Jr., to Procter & Gamble Cellulose Company, The. Process for making wet-laid structures containing individualized stiffened fibers. 4,889,597, 12-26-89, Cl. 162-157.600.
Bourbon, Robert M.: *See—*
    Dean, Walter L.; Moore, Danny R.; Owens, James W.; Schoggen, Howard L.; Bourbon, Robert M.; and Cook, Jeffrey T., 4,888,093, Cl. 162-157.600.
    Schoggen, Howard L.; Cook, Jeffrey T.; and Bourbon, Robert M., 4,889,596, Cl. 162-157.600.
Bourbonnais, Robert E.: *See—*
    Paice, Michael G.; Archibald, Frederick S.; Jurasek, Lubomir; Bourbonnais, Robert E.; and Ho, Ka-Kee, 4,830,708, Cl. 162-72.000.
Bourcereau, Jean: *See—*
    Sainte Luce Banchelin, Jean; Bourcereau, Jean; and Valy, Yves, 4,837,448, Cl. 250-519.100.
    Valy, Yves; Gadbin, Michel; Banchelin, Jean S. L.; and Bourcereau, Jean, 4,833,334, Cl. 250-515.100.
Bourcier, David P.; and Esposito, Robert A., to Monsanto Company. Process for forming shaped interlayer blanks. 4,808,357, 2-28-89, Cl. 264-151.000.
Bourcier, Pierre; and Riollet, Gilbert, to Alsthom. Moving blading for steam turbines. 4,840,539, 6-20-89, Cl. 416-191.000.
Bourdages, Michel: *See—*
    St-Jean, Guy; Hamel, Andre; Bourdages, Michel; and Dumont, Daniel, 4,827,370, Cl. 361-127.000.
Bourdeau, Joel; and Salomon, Georges P. J., to Salomon S.A. Gloves 4,868,927, 9-26-89, Cl. 2-161.00A.
Bourdel, Jacques A. J., to Cooperative Agricole des Eleveurs de la Region de Lamba l Amballe Dite C.O.O.P.E.R.L. Process for the treatment of meat during refrigeration. 4,810,515, 3-7-89, Cl. 426-524.000.
Bourdier, Brigitte E.: *See—*
    Bourdier, Jean-Claude; Bourdier, Frederic G.; Bourdier, Brigitte E.; and Bourdier nee Serre, Claude H., 4,842,523, Cl. 434-371.000.
Bourdier, Frederic G.: *See—*
    Bourdier, Jean-Claude; Bourdier, Frederic G.; Bourdier, Brigitte E.; and Bourdier nee Serre, Claude H., 4,842,523, Cl. 434-371.000.
Bourdier, Jean-Claude; Bourdier, Frederic G.; Bourdier, Brigitte E. and Bourdier nee Serre, Claude H. Makeup method and device 4,842,523, 6-27-89, Cl. 434-371.000.
Bourdier nee Serre, Claude H.: *See—*
    Bourdier, Jean-Claude; Bourdier, Frederic G.; Bourdier, Brigitte E.; and Bourdier nee Serre, Claude H., 4,842,523, Cl. 434-371.000.
Bourdinaud, Michel: *See—*
    Aurouet, Claude; Blumenfeld, Henry; Bourdinaud, Michel; Calvet, Jean; Cavan, Jean-Claude; Meyer, Joao; and Thevenin, Jean-Claude, 4,812,013, Cl. 350-96.290.
Bourdon, Guy; Lampin, Dominique; and Leclerc, Daniel, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for controlling the flow of a gas in a valve and flow generator employing said process. 4,811,755, 3-14-89, Cl. 137-486.000.
Bourdon, Jean C., to Schlumberger Technology Corporation. Well drilling operation control procedure. 4,886,129, 12-12-89, Cl. 175-40.000.
Bourdonne, Jean-Claude, to Framatome. Gripping device for tensioning screwing elements. 4,840,526, 6-20-89, Cl. 411-263.000.
Bourgeaux, Pierre; and Riaud, Alain, to S.A. des Etablissements Staubli. Displacement coder. 4,841,297, 6-20-89, Cl. 341-11.000.
Bourgeois, Alain: *See—*
    Begout, Eric; Bourgeois, Alain; Gueuret, Raymond; and Lapeyre, Pascal, 4,825,218, Cl. 343-765.000.
Bourgeois, Aline; and Bourgeois, Jean-Claude, to Institut Francais du Petrole. System for measurement of the acoustic coefficient of reflection of submerged reflectors. 4,796,238, 1-3-89, Cl. 367-87.000.
Bourgeois, Claude, to Centre Electronique Horloger S.A. 2T-cut piezoelectric resonator using coupled contour modes. 4,873,465, 10-10-89, Cl. 310-361.000.
Bourgeois, Jean-Claude: *See—*
    Bourgeois, Aline; and Bourgeois, Jean-Claude, 4,796,238, Cl. 367-87.000.
Bourgeois, Jean-Paul, to Association pour la Recherche et le Developpement des Methodes et Processus Industriels (Armines). Thermocondensed lignocellulose material, and a method and an oven for obtaining it. 4,816,572, 3-28-89, Cl. 536-56.000.
Bourgeois, Robert A.; Motev, Phil; and Schmetter, Ronald M., to American Screen Printing Company. Reflective method and apparatus for curing ink. 4,839,522, 6-13-89, Cl. 250-455.100.
Bourgeois, Rodney M., to Innovative Technology, Inc. Device for copying microfiche. 4,801,979, 1-31-89, Cl. 355-106.000.
Bourgeois, Roy M., to American Allsafe Company. Method for retaining goggles on helmet. 4,796,308, 1-10-89, Cl. 2-243.00R.
Bourgeois, Tom J., to Olin Corporation. Saboted, light armour penetrator round with improved powder mix. 4,841,863, 6-27-89, Cl. 102-523.000.
Bourgery, Guy R.; Lacour, Alain P.; Pourrias, Bernard M.; and Santamaria, Raphael, to Delande S.A. Aromatic derivatives comprising an aminoalkoxy chain, the salts thereof, the process for preparing these derivatives and salts and the application thereof in therapeutics 4,831,051, 5-16-89, Cl. 514-452.000.
Bourgery, Guy R.: *See—*
    Platel, Alain Y.; Bourgery, Guy R.; and Guerret, Patrick G. 4,808,582, Cl. 514-212.000.
Bourgois, Luc, to N.V. Bekaert S.A. Strand for application as reinforcement in objects of polymer material as well as one or more such strand comprising objects of polymer material. 4,818,631, 4-4-89, Cl. 428-605.000.
Bourgois, Luc, to N. V. Bekaert S. A. Tire belt reinforcing strip and method of making of same. 4,840,214, 6-20-89, Cl. 152-527.000.
Bourguet, Lucien; and Gatellier, Claude, to Institut Francais du Petrole. Method and device for assessing the clogging risks of a well or bore hole passing through a porous revervoir, more particularly a geological formation. 4,860,582, 8-29-89, Cl. 73-155.000.
Bourguignon, Jean-Jacques; Chambon, Jean-Pierre; and Wermuth, Camille G., to Sanofi. Triazolo [3,4-b]pyridazines, process for their preparation and pharmaceutical compositions containing them. 4,810,705, 3-7-89, Cl. 514-248.000.
Bourguignon, Laura L.: *See—*
    Eagar, Thomas W.; Agarwal, Dwarika P.; Bourguignon, Laura L. and Marcotte, Rosaire, 4,810,308, Cl. 148-158.000.
    Eagar, Thomas W.; Agarwal, Dwarika P.; Bourguignon, Laura L. and Marcotte, Rosaire, 4,869,757, Cl. 148-158.000.
Bourin, Jean-Michael; Bruyere, Michel; and Rousseau, Isaac, to Framatome. Method of detecting that an anti-reactive element has fallen into the reactor of a nuclear power station, and a power station protected against such a fall. 4,842,805, 6-27-89, Cl. 376-215.000.

Bourke, Brendan: *See—*
    Collins, Richard; Pailthorpe, Bernard; and Bourke, Brendan, 4,834,066, Cl. 126-443.000.
Bourke, Edward L.; and Cartwright, James E., to Helix Technology Corporation. Pressure relief filter and valve and cryopump utilizing the same. 4,834,136, 5-30-89, Cl. 137-549.000.
Bourland, Joe D.; Babbs, Charles F.; Geddes, Leslie A.; Tacker, Willis A., Jr.; and Graber, George P., to Purdue Research Foundation. Pressure mapping system with capacitive measuring pad. 4,827,763, 5-9-89, Cl. 73-172.000.
Bourland, Joe D.: *See—*
    Geddes, Leslie A.; Babbs, Charles F.; Voorhees, William D., III; and Bourland, Joe D., 4,827,935, Cl. 128-419.00G.
Bourland, Larry G.; DiLullo, Robert J.; Ritrievi, Kimberly E.; and Valbert, Jon R., to Arco Chemical Technology, Inc. Production of nonwoven fibrous articles. 4,855,179, 8-8-89, Cl. 428-296.000.
Bournazel, Claude; and Feret, Jany, to Institut Francais du Petrole. Flexible duct having no appreciable variation in length under the effect of an internal pressure. 4,867,205, 9-19-89, Cl. 138-130.000.
Bourne, Douglas A. Valve operators. 4,869,459, 9-26-89, Cl. 251-58.000.
Bourne, Roy S.; Eichman, Clarence C.; and Welbon, William W., to United States of America, Energy. Method of producing non-agglomerating submicron size particles 4,872,905, 10-10-89, Cl. 75-0.50C.
Bournias, James N.: *See—*
    Rich, Douglas A.; Rick, Paul N.; Bournias, James N.; and Lyons, Robert E., 4,885,010, Cl. 55-241.000.
Bournonville, Jean-Paul: *See—*
    Travers, Christine; Bournonville, Jean-Paul; and Franck, Jean-Pierre, 4,835,129, Cl. 502-37.000.
Bournonville, Patrick. Apparatus for monitoring the neuro-muscular reaction of a patient. 4,848,359, 7-18-89, Cl. 128-741.000.
Bourns, Inc.: *See—*
    Bosze, Wayne P.; Froebe, Ronald L.; McClure, Gordon; Thomas, Ronald E., Jr.; and Weingartner, Philip F., 4,824,694, Cl. 427-102.000.
    Froebe, Ronald L.; Duarte, Jesus; and Bailey, Richard L., 4,810,994, Cl. 338-202.000.
    Riding, Kim D.; Betz, James W.; and Templeton, James E., 4,866,219, Cl. 200-4.000.
Bourns Instruments, Inc.: *See—*
    Hewitt, Richard P.; Shoemaker, Timothy A.; and Kitlas, Paul F., 4,808,958, Cl. 336-136.000.
Bouron, Jean P., to Thomson-CSF. Graphic display device. 4,847,608, 7-11-89, Cl. 340-747.000.
Bouron, Jean P.; Giroux, Daniel; and Rousseau, Pierre, to Thomson-CSF. Display system for displaying essential data by separately handling different parts of the image to maximize reliability. 4,859,997, 8-22-89, Cl. 340-752.000.
Bourque, Rene: *See—*
    Hoshizaki, Thomas B.; Hall, Kenneth; and Bourque, Rene, 4,835,885, Cl. 36-115.000.
Bourque, Robert F.: *See—*
    Bhadra, Dilip K.; Creedon, Richard L.; Harder, C. Ross; and Bourque, Robert F., 4,802,560, Cl. 188-264.00F.
Bourquin, Francis; and Krieger, Ira. Timing mechanism with tide indicator. 4,853,908, 8-1-89, Cl. 368-19.000.
Bourquin, Patrick: *See—*
    Remondiere, Olivier; Bourquin, Patrick; and Pailler, Rene, 4,880,960, Cl. 219-273.000.
Bourrain, Paul: *See—*
    Ardaillon, Pierre; Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, 4,877,621, Cl. 424-498.000.
    Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, 4,832,967, Cl. 426-96.000.
Bourrier, Pierre: *See—*
    Irigoyen, Marc E.; and Bourrier, Pierre, 4,876,836, Cl. 52-263.000.
Bourrieres, Francis. Method and apparatus for brazing surface components onto a printed circuit board. 4,884,738, 12-5-89, Cl. 228-180.200.
Bourrieres, Pierre, to Manufacture d'Appareillage Electrique de Cahors. Apparatus for forming a filament-wound structure on a cylindrical pole. 4,878,984, 11-7-89, Cl. 156-431.000
Bourset, Claude; and Wajs, Georges, to Essilor International (Compagnie Generale d'Optique). Method of manufacturing natural protein polymer contact lenses by molding and cross-linking. 4,879,072, 11-7-89, Cl. 264-1.400.
Bournier, Bernard, to Roquette Freres. Confectionery or pharmaceutical product with a sugarless coating obtained by hard coating and method for its preparation. 4,840,797, 6-20-89, Cl. 424-475.000.
Bouru, Michel A., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. System for locking turbine blades on a turbine wheel. 4,818,182, 4-4-89, Cl. 416-215.000.
Bousquet, Frederic: *See—*
    Garrel, Andre ; Vallat, Yves; Bousquet, Frederic; and Verdier, Jean-Louis, 4,815,975, Cl. 433-189.000.
Bousquet, Hubert; Ravet, Georges; and Rousset, Jacky, to Coatex, S.A. Scale and settlement inhibiting agent for use in treating industrial and/or household water. 4,857,622, 8-15-89, Cl. 526-317.100.
Boussac Saint Freres B.S.F.: *See—*
    Dussaud, Jacques; and De Jonckheere, Raphael, 4,801,345, Cl. 156-164.000.
Boussignac, Georges; and Labrune, Jean-Claude. Cardio-vascular catheter for shooting a laser beam. 4,832,024, 5-23-89, Cl. 128-303.100.
Boussois S.A.: *See—*
    Hochart, Paul; Pagnucco, Gilbert; Bertrand, Marceau; and Bertrand, Alain, 4,853,520, Cl. 219-535.000.
Boustany, Nader M.: *See—*
    Eckert, Steve J.; Salman, Mutasim A.; and Boustany, Nader M., 4,850,650, Cl. 303-9.620.
Bouta, Keiji, to Mazda Motor Corporation. Automatic transmission control apparatus responsive to type of engine fuel. 4,843,916, 7-4-89, Cl. 74-866.000.
Boutade Worldwide Investments NV: *See—*
    Van der Westhuizen, Hermanus Q.; and Muller, Thomas M., 4,829,900, Cl. 102-303.000.
Boutaud, Frederic: *See—*
    Chauvel, Gerard; and Boutaud, Frederic, 4,827,249, Cl. 340-703.000.
Boutcher, Andrew G., Jr., to AMP Incorporated. Work holder for electrical connectors. 4,837,926, 6-13-89, Cl. 29-747.000.
Bouten, Hans: *See—*
    Schroeder, Peter; Bouten, Hans; and Biermann, Manfred, 4,888,325, Cl. 514-25.000.
Boutet, John C.: *See—*
    Kurtz, Andrew F.; Whiting, Bruce R.; Boutet, John C.; Milch, James R.; Gasper, John; and Kessler, David, 4,868,383, Cl. 250-228.000.
Bouteyre, Jacques; and Le Floc'H, Christian, to Aerospatiale Societe Nationale Industrielle. Device for the non-destructive inspection of a part by means of optical holography. 4,798,466, 1-17-89, Cl. 356-347.000.
Boutier, Philippe; and Vanaschen, Luc, to Saint-Gobain Vitrage. Method and apparatus for positioning of glass plates to bend them into a convex shape. 4,802,904, 2-7-89, Cl. 65-106.000.
Boutier, Philippe: *See—*
    Blasquez-Gonzales, Ignacio; Blanchard, Rene; Letemps, Bernard; Mathivat, Denis; and Boutier, Philippe, 4,838,920, Cl. 65-104.000.
Boutigny, Pierre-Henri, to U.S. Philips Corp. Input circuit for a probe of a logic analyser and probe and logic analyser provided with such a circuit. 4,803,423, 2-7-89, Cl. 324-130.000.
Boutigny, Pierre-Henri, to U.S. Philips Corp. High frequency multi-range attenuator having a high input impedance. 4,833,400, 5-23-89, Cl. 324-126.000.
Boutillier, Jacques; and Nawrot, Serge, to Atochem. Adhesive compositions. 4,806,582, 2-21-89, Cl. 524-178.000.
Boutin, Allan J.; and Ocheda, Daniel D., to John Crane, Inc. Dynamic seal arrangement for impeller pump. 4,884,945, 12-5-89, Cl. 415-174.200.
Boutin, Francois-Regis; and Raynaud, Guy-Michel, to Cegedur Societe de Transformation de l'Aluminium Pechiney. Method of raising the recrystallization temperature of aluminium and of its alloys. 4,816,088, 3-28-89, Cl. 148-11.50A.
Boutin, Germain: *See—*
    Brittain, Donald; and Boutin, Germain, 4,819,262, Cl. 379-157.000.
Boutmy, Patrick: *See—*
    LeFort, Gilbert; Liger, Marc; Walraet, Jean; and Boutmy, Patrick, 4,845,711, Cl. 370-102.000.
Boutni, Omar M., to General Electric Company. Low-gloss carbonate polymer blends. 4,868,244, 9-19-89, Cl. 525-67.000.
Boutni, Omar M., to General Electric Company. Aromatic carbonate resin exhibiting improved impact properties. 4,873,277, 10-10-89, Cl. 524-166.000.
Boutni, Omar M.; and Pratt, Charles F., to General Electric Company. Low gloss polycarbonate blend. 4,885,336, 12-5-89, Cl. 525-67.000.
Bouton, Marie-Madeleine; Jacques, Jean; and Pierdet, Andre, to Roussel Uclaf. Benzindenolones as antiandrogenic agents. 4,849,454, 7-18-89, Cl. 514-691.000.
Bouton, Marie-Madeleine: *See—*
    Nique, Francois; Nedelec, Lucien; Bouton, Marie-Madeleine; and Philibert, Daniel, 4,874,754, Cl. 514-178.000.
Boutot, Jean-Pierre: *See—*
    Lavoute, Pascal D.; and Boutot, Jean-Pierre, 4,816,718, Cl. 313-534.000.
Boutrois, Bertrand: *See—*
    Haghiri, Mohammad-Reza; and Boutrois, Bertrand, 4,875,094, Cl. 358-105.000.
Boutroy, Marc. Security device for transporting documents of value. 4,799,435, 1-24-89, Cl. 109-25.000.
Boutterin, Rene: *See—*
    Dubuisson, Jacques; and Boutterin, Rene, 4,814,030, Cl. 156-89.000.
    Dubuisson, Jacques; and Boutterin, Rene, 4,859,520, Cl. 428-137.000.
Bouvet, Bernard: *See—*
    Bernard, Georges; Bouvet, Bernard; Jacolin, Richard; Colleoni, Guido; Gaillard, Jacques; and Volsy, Robert, 4,803,3[illegible], Cl. 200-147.00A.
Bouvot, Jean F., to VALEO. Device of the crank connecting rod type, in particular for controlling a ventilation louver in an automobile heating or air conditioning unit. 4,875,388, 10-24-89, Cl. 74-579.00R.
Bouwens, Henricus J. J.: *See—*
    Kemper, Nicolaas R.; Bouwens, Henricus J. J.; Koster, Marinus P.; and De Peuter, Willem L. G., 4,872,362, Cl. 74-479.000.
    Koster, Marinus P.; Bouwens, Henricus J. J.; Van Tartwijk, Anton A. J.; and De Peuter, Willem L. G., 4,874,286, Cl. 414-744.500.
Bouwknegt, Thys; and Abel, Heinz, to Ciba-Geigy Corporation. Process for dyeing textile planar fabrics made from polyamides: with melamine compound as resist agent. 4,859,207, 8-22-89, Cl. 8-455.000.
Bouygues Offshore: *See—*
    Sparks, Charles, 4,886,398, Cl. 405-224.000.

Bouyou, Bertrand: *See—*

Czajkowski, Didier; Labarthe, Joel; and Bouyou, Bertrand, 4,884,392, Cl. 56-13.100.

Bouyssi, Jean-Francois; Massard, Thierry; and Vienney, Jean, to Commissariat a l'Energie Atomique. Protective skull cap for the skull. 4,809,690, 3-7-89, Cl. 128-157.000.

Bouyssou, Michel: *See—*

Berson, Xavier; Bouyssou, Michel; Castel, Yves; Chaumont, Daniel; and Gudin, Claude, 4,868,123, Cl. 435-290.000.

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Gruber, Robert J.; Bov, Raphael F.; Cometa, Thomas D.; Eakin, Paul W.; Berkes, John S.; and Grushkin, Bernard, 4,859,550, Cl. 430-39.000.

Bova, Ignatius N.: *See—*

Appleby, Harold R., Jr.; and Bova, Ignatius N., 4,810,972, Cl. 324-541.000.

Bovaird, Arthur J.; and Fatemi, Reza, to National Semiconductor Corporation. Method of manufacture a primos device. 4,830,975, 5-16-89, Cl. 437-41.000.

Bove, Ronald L.: *See—*

Saville, Mark K.; Gorak, William J., Jr.; and Bove, Ronald L., 4,816,328, Cl. 428-246.000.

Bovee, Dana F. Ski and pole case. 4,867,307, 9-19-89, Cl. 206-315.100.

Bovenkerk, Harold P.: *See—*

Deakins, Martin E.; Slutz, David E.; Johnson, Neil R.; Clark, Thomas J.; and Bovenkerk, Harold P., 4,883,500, Cl. 51-298.000.

Bovermann, Claus-Dieter: *See—*

Berg, Franco; and Bovermann, Claus-Dieter, 4,802,589, Cl. 206-511.000.

Bovet, Christian, to Essilor International (Compagnie Generale d'Optique). Automatic interpupillary distance measuring device. 4,881,806, 11-21-89, Cl. 351-204.000.

Bovis, Nicholas J.: *See—*

Asbra, Martin R.; Asbra, Andrew F.; Bovis, Nicholas J.; and Greer, Charles W., 4,852,600, Cl. 137-38.000.

Bovy, Philippe R.; Gillet, Claude; Lenaers, Albert; Niebes, Paul; Roba, Joseph; and Lambelin, Georges, to G. D. Searle & Co. Spiro-hydantoins as aldose reductase inhibitors. 4,853,401, 8-1-89, Cl. 514-389.000.

Bovykin, Igor V.: *See—*

Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.

Bow, Clark: *See—*

Sanders, Charles B.; Bow, Clark; DeVito, Ralph; and Hoffman, Louis S., 4,795,059, Cl. 222-1.000.

Bowater Packaging Limited: *See—*

Kohlbach, Fred R., 4,832,096, Cl. 141-114.000.

Nattrass, Frank; and Page, Geoffrey, 4,807,299, Cl. 383-109.000.

Bowcutt, Corey H.; Buckley, John J., Jr.; and Rew, James A., to Westinghouse Electric Corp. Apparatus for printed wiring board component assembly. 4,802,276, 2-7-89, Cl. 29-739 000.

Bowcutt, Corey H.: *See—*

Ankrom, Michael J.; Bowcutt, Corey H.; Buckley, John J., Jr.; and Rew, James A., 4,840,305, Cl. 228-232.000.

Bowden, Charles J., to Hydreco, Incorporated. Variable discharge gear pump with energy recovery. 4,824,331, 4-25-89, Cl. 417-310.000.

Bowden, John H. Portable body shower. 4,809,369, 3-7-89, Cl. 4-615.000.

Bowden, Jr., Wade R.; and Herzfeld, David, to Slater Electric, Inc. Electrical outlet receptacle with non-metallic mounting strap and automatic grounding. 4,854,885, 8-8-89, Cl. 439-107.000.

Bowden, Murrae J. S.: *See—*

Baker, Gregory L.; Bowden, Murrae J. S.; Gozdz, Antoni S.; and Klausner, Cynthia F., 4,863,834, Cl. 430-286.000.

Bowden, Raymond F., to British Aerospace Public Limited Company. Missiles and launcher apparatus therefor. 4,856,409, 8-15-89, Cl. 89-1.819.

Bowden, Robert T. Prewipe device. 4,870,899, 10-3-89, Cl. 101-155.000.

Bowden, Wade R.; and Levin, Emma, to Slater Electric, Inc. Unitary switch and circuit breaker. 4,833,439, 5-23-89, Cl. 337-68.000.

Bowden, Wade R., Jr. ; and Rushansky, Yuliy, to Slater Electric, Inc. Method and tool for preparing multi-conductor cable. 4,797,988, 1-17-89, Cl. 29-566.400.

Bowden, Wade R., Jr.: *See—*

Campbell, Winston; Bowden, Wade R., Jr.; and Levin, Emma, 4,865,556, Cl. 439-97.000.

Bowden, William L., to Duracell Inc. Method for preparing non-aqueous electrolytes. 4,880,714, 11-14-89, Cl. 429-197.000.

Bowden, William L.: *See—*

Whitney, Thomas A.; Bowden, William L.; and Dey, Arabinda N., 4,833,050, Cl. 429-194.000.

Bowder, Thomas H., to Elmwood Sensors, Inc. Thermally activated snap-action valve. 4,821,954, 4-18-89, Cl. 236-48.00R.

Bowe, Gerald J., to JBI Corporation. Pressure activated fluid retaining system and method. 4,881,854, 11-21-89, Cl. 405-303.000.

Bowe, Gerald R.: *See—*

Anderson, Richard A.; and Bowe, Gerald R., 4,818,382, Cl. 209-573.000.

Bowe, Michael J.; and Wright, Alistair L., to United Kingdom Atomic Energy Authority. Fluidic apparatus. 4,887,628, 12-19-89, Cl. 137-8.000.

Bowe Reinigungstechnik GmbH: *See—*

Fuhring, Heinrich, 4,850,119, Cl. 34-77.000.

Bowe Systems and Machinery (UK) Limited: *See—*

Parker, Colin R., 4,851,075, Cl. 156-556.000.

Bowen, Charles K.: *See—*

Carroll, Paul E.; James, Roy W., III; Bowen, Charles K.; and Smith, Gillan C., 4,875,166, Cl. 364-421.000.

Bowen, Chester O.; and Holland, Floyd H., to Phillips Petroleum Company. Fluid catalytic cracking unit. 4,851,196, 7-25-89, Cl. 422-144.000.

Bowen, Chester O.: *See—*

Hays, George E.; Nielsen, Richard H.; Bowen, Chester O.; and Holland, Floyd H., 4,800,014, Cl. 208-157.000.

Bowen, David, Jr.: *See—*

Holtrop, James S.; and Bowen, David, Jr., 4,851,283, Cl. 428-284.000.

Bowen, David G. Poultry deboner. 4,843,682, 7-4-89, Cl. 17-11.000.

Bowen, Duane C. Rack for neckties, belts or other apparel. 4,863,043, 9-5-89, Cl. 211-113.000.

Bowen, Hamilton S. Hand operable telescopic sight mounting system. 4,835,895, 6-6-89, Cl. 42-101.000.

Bowen, James E.; and Williams, Thomas D. Training apparatus for athletes. 4,828,252, 5-9-89, Cl. 272-117.000.

Bowen, James H.: *See—*

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Bowen, Janet R., legal representative: *See—*

Toye, Edward W.; Bowen, Leslie, deceased; Bowen, Janet R., legal representative; and Danks, Walter L., legal representative, 4,842,129, Cl. 198-790.000.

Bowen, John G.; and Groome, John M., to Bowen, John G. Vaporizing unit. 4,853,517, 8-1-89, Cl. 219-271.000.

Bowen, John M.; Sullivan, Patrick J.; Blanche, M. Sterling; Essington, Michael; and Noe, Lewis J., to Western Research Institute. Optical fiber raman spectroscopy used for remote in-situ environmental analysis. 4,802,761, 2-7-89, Cl. 356-301.000.

Bowen, Kim E.; Foster, Steven M.; and Izadi, Said, to Williams International Corporation. Method of making a multi-alloy turbine rotor disk. 4,851,190, 7-25-89, Cl. 419-66.000.

Bowen, Leslie, deceased: *See—*

Toye, Edward W.; Bowen, Leslie, deceased; Bowen, Janet R., legal representative; and Danks, Walter L., legal representative, 4,842,129, Cl. 198-790.000.

Bowen, Mark A.: *See—*

Poirier, Victor L.; Dasse, Kurt A.; Bowen, Mark A.; and Daly, Benedict D. T., 4,886,502, Cl. 604-175.000.

Bowen, Mark S.: *See—*

Broide, Michael L.; Bowen, Mark S.; and Cohen, Richard J., 4,850,707, Cl. 356-336.000.

Cohen, Richard J.; Broide, Michael L.; and Bowen, Mark S., 4,851,329, Cl. 435-5.000.

Bowen, Paul D. Lawn chair fish fighter. 4,835,896, 6-6-89, Cl. 43-21.200.

Bowen, Perry G., III. Vegetable harvester. 4,838,012, 6-13-89, Cl. 56-13.100.

Bowen, Robert F.; Wolfe, Robert E.; and Dudley, Kenneth W., to Raytheon Company. Microwave oven adapted for under-the-counter use. 4,814,571, 3-21-89, Cl. 219-10.55R.

Bowen, Robert F., to Raytheon Company. Mixing attachment for microwave oven turntables. 4,825,026, 4-25-89, Cl. 219-10.55E.

Bowen, Robert F.: *See—*

Freedman, George; Bowen, Robert F.; and Teich, Wesley W., 4,795,873, Cl. 219-10.55E.

Bowen, Stephen A.: *See—*

August, Melvin C.; Neumann, Eugene F.; Bowen, Stephen A.; and Williams, John T., 4,884,168, Cl. 361-382.000.

Bowen, Terry P.; Harms, Sherry J.; and Hoffer, John C., to AMP Incorporated. Reversible Optical Switch. 4,874,218, 10-17-89, Cl. 350-96.200.

Bowen Tools, Inc.: *See—*

Peil, Archie W.; and Bishop, Thomas R., 4,877,217, Cl. 251-1.300.

Sipos, David L.; Kuske, Duane M.; and White, Paul D., Jr., 4,842,058, Cl. 166-77.000.

Bowen, Wesley G.: *See—*

Ferre, F. Budd; Sims, Rowell; Bowen, Wesley G.; and Kesler, Vibert L., 4,880,026, Cl. 137-234.600.

Bowen, William A.: *See—*

Bendixen, Arne B.; Bowen, William A.; Evans, Michael W.; Hurley, John J.; and Leslie, Samuel A., 4,890,315, Cl. 379-59.000.

Bower, Lewis R. B., to Fletcher Sutcliffe Wild Limited. Bi-directional torque transmission unit. 4,805,473, 2-21-89, Cl. 74-361.000.

Bower, Lewis R. B., to Fletcher Sutcliffe Wild Limited. Endless drive transmission. 4,836,362, 6-6-89, Cl. 198-854.000.

Bower, Robert W.; and Schmidt, Christopher O., to Advanced Micro Devices, Inc. Walled slot devices and method of making same. 4,795,721, 1-3-89, Cl. 437-67.000.

Bower, Robert W., to Advanced Micro Devices, Inc. Integrated circuit structure with active device in merged slot and method of making same. 4,803,176, 2-7-89, Cl. 437-33.000.

Bowerman, Richard D.: *See—*

Spoltman, Mark W.; Bowerman, Richard D.; and Edinger, Richard L., 4,810,167, Cl. 416-229.00A.

Bowers, Blaine T.; and Walters, Wayne E., to Tellabs, Inc. DX circuit. 4,815,124, 3-21-89, Cl. 379-237.000.

Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne L.; Hubbs, John C.; and Foster, Charles H., to Eastman Kodak Company. Polypeptide compounds having growth hormone releasing activity. 4,839,344, 6-13-89, Cl. 514-16.000.

Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne; Hubbs, John C.; and Foster, Charles H., to Eastman Kodak Company. Combinations having synergistic growth hormone releasing activity and methods for use thereof. 4,880,778, 11-14-89, Cl. 514-12.000.

Bowers, David, to Woodex Bearing Company, Inc. Adjustable rotary shaft seal. 4,822,056, 4-18-89, Cl. 277-83.000.

Bowers, David: *See—*

Kemp, Dennis E., Jr.; and Bowers, David, 4,809,992, Cl. 277-63.000.

Bowers, David L.; and Kienle, Gunther W., to Sentel Technologies, Inc. Sleep apnea monitor. 4,802,485, 2-7-89, Cl. 128-633.000.

Bowers, Davis L. Data entry systems for converting an analog instrument to machine-readability. 4,864,302, 9-5-89, Cl. 341-13.000.

Bowers, Derek F., to Precision Monolithics, Inc. Digital-to-analog converter with diode control. 4,888,589, 12-19-89, Cl. 341-153.000.

Bowers, Doyle G.: *See—*

Porter, Benny R.; and Bowers, Doyle G., 4,884,326, Cl. 29-156.80R.

Bowers, Gary R.; and Hardiman, Christopher J., to Monsanto Company. Allyloxy activated surface coatings. 4,816,535, 3-28-89, Cl. 526-143.000.

Bowers, Gary R.: *See—*

Hardiman, Christopher J.; and Bowers, Gary R., 4,810,757, Cl. 525-306.000.

Hardiman, Christopher J.; and Bowers, Gary R., 4,861,668, Cl. 428-424.400.

Bowers, Gerald M.: *See—*

Cay, Norman S.; and Bowers, Gerald M., 4,806,057, Cl. 414-225.000.

Bowers, Jack R., to Basler Electric Company. Electronic circuit for control of a voltage regulator of an electrical generator. 4,800,291, 1-24-89, Cl. 307-87.000.

Bowers, John: *See—*

Simpson, Raymond W.; Chandler, Donald G.; and Bowers, John, 4,864,588, Cl. 375-1.000.

Bowers, Joseph S., Jr.: *See—*

Lentz, Carl M.; Gustafson, Bruce L.; Van Sickle, Dale E.; and Bowers, Joseph S., Jr., 4,847,429, Cl. 268-643.000.

Bowers, Mark A.: *See—*

Billings, Robert L.; Bowers, Mark A. and Meier, Frankie G., 4,797,541, Cl. 235-449.000.

Bowers, Mark L.: *See—*

Durfor, Charles N.; Bowers, Mark L.; and Yenser, Barbara A., 4,797,181, Cl. 204-1.00T.

Bowers, Paul K.; Kennedy, Richard A.; Murray, Timothy G.; and Kunkle, Richard I. Dispenser package for extrudable comestibles. 4,813,862, 3-21-89, Cl. 425-87.000.

Bowers, Robert B.; and Chookazian, Mark, to Ashland Oil, Inc. Reusable plastic drum container assembly and process for refitting such plastic drum container assembly. 4,880,580, 11-14-89, Cl. 264-26.000.

Bowers, Rudy M. Butterfly valve. 4,844,115, 7-4-89, Cl. 137-240.000.

Bowers, Thomas E.; Frey, Alan E.; Kerr, Howard A.; Russell, Larry A.; and Stone, Roger E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of and apparatus for establishing a wideband communication facility through a switched communications network having narrow bandwidth time division multiplexed channels. 4,885,738, 12-5-89, Cl. 370-58.100.

Bowers, William F.; and Tiffany, Douglas B., to W. R. Grace & Co. Centrifugal force-enhanced filtration of fluids. 4,832,851, 5-23-89, Cl. 210-650.000.

Bowes, Emmerson; and Yan, Tsoung Y., to Mobil Oil Corp. Pyridine and alkylpyridine synthesis using a crystalline silicate catalyst having the ZSM-5 structure. 4,861,894, 8-29-89, Cl. 546-251.000.

Bowes, Emmerson, to Mobil Oil Corporation. Catalytic dewaxing process using binder-free catalyst. 4,872,968, 10-10-89, Cl. 208-111.000.

Bowes, Emmerson; Chang, Clarence D.; Han, Scott; and Shihabi, David S., to Mobil Oil Corporation. Modified crystalline aluminosilicate zeolite catalyst and its use in the production of lubes of high viscosity index. 4,876,411, 10-24-89, Cl. 585-533.000.

Bowhill, William J.: *See—*

Peng, Victor; Bowhill, William J.; and Gavrielov, Nachum M., 4,864,527, Cl. 364-748.000.

Bowie, Betty A.; Hedde, Richard D.; Lindsey, Thomas O.; Newman, David J.; Shearer, Marcia C.; Sitrin, Robert D.; and Valenta, Joseph R., to SmithKline Beckman Corporation. Antibiotics produced by *Kibdelosporangium aridum* Shearer gen. nov., sp. nov. ATCC 39323. 4,797,280, 1-10-89, Cl. 424-118.000.

Bowker, Duane O.; Giuliani, Adrian A.; and Jones, David F., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Communication system having automatic call route selection. 4,797,915, 1-10-89, Cl. 379-216.000.

Bowker, Duane O.: *See—*

Ashenfelter, Robert C.; Bonomi, Marco J.; and Bowker, Duane O., 4,864,561, Cl. 370-81.000.

Bowker, Jeffrey C.; and Singh, Prabhakar, to Westinghouse Electric Corp. Method of bonding a conductive layer on an electrode of an electrochemical cell. 4,861,345, 8-29-89, Cl. 29-623.100.

Bowland, Robert O., to Chrysler Motors Corporation. Self-contained oil source and drain package. 4,856,652, 8-15-89, Cl. 206-223.000.

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Lippard, Stephen J.; and Bowler, Bruce E., 4,843,161, Cl. 546-10.000.

Bowles, Cecil A.: *See—*

Keller, Lewis C.; and Bowles, Cecil A., 4,880,653, Cl. 426-549.000.

Bowles, Dale D.; and Parmley, Charles L. Anti-theft holster. 4,886,197, 12-12-89, Cl. 224-243.000.

Bowles Fluidics Corporation: *See—*

Stouffer, Ronald D., 4,823,682, Cl. 98-2.090.

Bowles, Gary L., to Heinmiller, Wesley H. D. C. power controller. 4,841,165, 6-20-89, Cl. 307-132.00R.

Bowles, Phil: *See—*

Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.

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Bowles, Romald E., to Commonwealth Technology, Inc. Image enhancer. 4,832,485, 5-23-89, Cl. 356-71.000.

Bowles, Thomas J.: *See—*

Miller, J. Stanley; and Bowles, Thomas J., 4,876,296, Cl. 523-200.000.

Bowley, Heather J.; and Gerrard, Donald L., to British Petroleum Company p.l.c., The. Method for assessing diamond quality. 4,875,771, 10-24-89, Cl. 356-30.000.

Bowlin, David A.; and Seyman, Michael J., to Halliburton Services. Waste solidification composition and methods. 4,880,468, 11-14-89, Cl. 106-98.000.

Bowlin, Robert D.: *See—*

Banniza, Harry W.; and Bowlin, Robert D., 4,878,303, Cl. 40-606.000.

Bowlin, Robert F., to Labinal Components and Systems, Inc. Electrical connections. 4,806,124, 2-21-89, Cl. 439-607.000.

Bowlin, Robert F., to Labinal Components and Systems, Inc. Method of forming a connector. 4,858,313, 8-22-89, Cl. 29-883.000.

Bowlin, Robert L., Sr.: *See—*

Casteel, Larry L.; and Bowlin, Robert L., Sr., 4,807,427, Cl. 53-556.000.

Bowlin, William P.; Knerr, Michael P.; and Baliance, Jeffrey D. Log processing systems. 4,879,659, 11-7-89, Cl. 364-468.000.

Bowling, Bruce A.; Buma, Douglas J.; Gamble, Bruce W.; and Donaldson, Robert D., to Eastman Kodak Company. Continuous ink jet printer having modular print head assembly. 4,809,015, 2-28-89, Cl. 346-75.000.

Bowling, Donald R.; and Smith, Charles F., to United States of America, Navy. Symmetric waveguide junction combiner. 4,853,650, 8-1-89, Cl. 330-287.000.

Bowling Green State University: *See—*

Neckers, Douglas C., 4,831,188, Cl. 560-302.000.

Bowling, Kinred: *See—*

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Bowling, Rod A.: *See—*

Clayton, R. Paul; and Bowling, Rod A., 4,852,216, Cl. 17-50.000.

Clayton, R. Paul; and Bowling, Rod A., 4,862,557, Cl. 17-1.00R.

Bowman, Bradford C., to Hamilton Specialty Bar Division of Slater Industries Inc. Additive for promoting slag formation in steel refining ladle. 4,842,642, 6-27-89, Cl. 75-10.580.

Bowman, Bruce R., to Edentec Corporation. Medical monitor. 4,803,997, 2-14-89, Cl. 128-723.000.

Bowman, Dan H. Replacement wheel bearing spindle. 4,828,328, 5-9-89, Cl. 301-130.000.

Bowman, David E.; Diekevers, Mark S.; and Renski, William J., to Caterpillar Inc. Two pin fastening assembly with interconnecting and retaining means. 4,848,013, 7-18-89, Cl. 37-142.00A.

Bowman, David J.: *See—*

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Bowman, Douglas R.: *See—*

Hammond, Robert B.; and Bowman, Douglas R., 4,821,091, Cl. 357-30.000.

Bowman, Edward W. Explosive charge containing magazine for ram setting gun. 4,819,562, 4-11-89, Cl. 102-281.000.

Bowman, George A., to Honeywell Inc. Data transceiving modem. 4,856,024, 8-8-89, Cl. 375-8.000.

Bowman, Gerald E. Smoke and fire detector for remote sensing. 4,833,458, 5-23-89, Cl. 340-628.000.

Bowman, Harold M. Utility cover extension. 4,834,574, 5-30-89, Cl. 404-26.000.

Bowman, Harold M. Polygonal manhole cover support. 4,867,600, 9-19-89, Cl. 404-26.000.

Bowman, Harold M. Sturdy adjustable manhole cover support. 4,867,601, 9-19-89, Cl. 404-26.000.

Bowman, Harold M. Manhole cover support with box flanging. 4,872,780, 10-10-89, Cl. 404-26.000.

Bowman, Harry F.; and Newman, William H., to Thermal Technologies, Inc. Method to quantify thermal dissipative mechanisms in biomaterials. 4,852,027, 7-25-89, Cl. 364-557.000.

Bowman, Harry F.; and Weaver, James C., to Massachusetts Institute of Technology. Apparatus for the non-invasive measurement of thermal properties and perfusion rates of biomaterials. 4,859,078, 8-22-89, Cl. 374-44.000.

Bowman, James A.; and Andrews, Ronald W., to Georgia Kaolin Company, Inc. High solids blended kaolin clay slurry. 4,888,315, 12-19-89, Cl. 501-144.000.

Bowman, Jeffrey M. Gate valve. 4,881,719, 11-21-89, Cl. 251-328.000.

Bowman-Jones, Gordon; and Warthan, James E., to Lachman, Steven F. Electro mechanical switch having remotely controlled off position. 4,804,862, 2-14-89, Cl. 307-140.000.

Bowman, Kenneth A.; Maslin, Roger F.; Godden, David; and Ripper, Jonathan H., to DRG (UK) Limited. Processing paper and other webs. 4,831,926, 5-23-89, Cl. 101-138.000.

Bowman, Kenneth A., to Aluminum Company of America. Electrolytic process for recovering lithium from aluminum-lithium alloy scrap. 4,849,072, 7-18-89, Cl. 204-68.000.

Bowman, Mark; Olofson, Roy; Malfroot, Thierry; and Senet, Jean-Pierre, to Societe Nationale des Poudres et Explosifs. Vinyl chloroformates and preparation. 4,808,743, 2-28-89, Cl. 558-141.000.

Bowman, Mell Company, Inc.: *See—*
  Parks, Elmer L.; and Pennington, Fred A., 4,842,723, Cl. 210-95.000.

Bowman, Michael A.; Goldbeck, Larry J.; Stahura, Richard P.; and Stern, Mark N., to Martin Engineering Co. Pneumatically actuated tensioning arrangement for conveyor belt cleaner. 4,825,997, 5-2-89, Cl. 198-499.000.

Bowman, Randy: *See—*
  Archer, Timothy H. V.; Bowman, Randy; and Glenn, Michael I., 4,875,054, Cl. 346-1.100.

Bowman, Richard G., to SuperDrive Systems, Inc. Electronic control circuit for command systems. 4,823,055, 4-18-89, Cl. 318-314.000.

Bowman, Robert. Hasp fastener unit. 4,886,308, 12-12-89, Cl. 292-281.000.

Bowman, Robert G., to Dow Chemical Company, The. Method of producing amines. 4,806,690, 2-21-89, Cl. 564-480.000.

Bowman, Robert G., to Dow Chemical Company, The. Silver-based catalyst for vapor phase oxidation of olefins to epoxides. 4,845,253, 7-4-89, Cl. 549-536.000.

Bowman, Robert L.: *See—*
  Lu, David Y.; and Bowman, Robert L., 4,796,622, Cl. 128-303.100.

Bowman, Robert M., to Ciba-Geigy Corporation. Certain 1,2-benzisoxazole derivatives. 4,859,691, 8-22-89, Cl. 514-379.000.

Bowman, Roger P.: *See—*
  Hayashida, John P.; and Bowman, Roger P., 4,872,470, Cl. 135-97.000.

Bowman, Ronald R.; Sodal, Ingvar E.; Wilke, Thomas A.; and Weller, Frank, to Masstron. Inc. Mass spectrometer apparatus. 4,859,848, 8-22-89, Cl. 250-296.000.

Bowman, Ronald R.: *See—*
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Bowman, Terrance L.: *See—*
  Kertis, Robert A.; Smith, Douglas D.; and Bowman, Terrance L., 4,855,624, Cl. 307-475.000.

Bowman, Timothy J.; Marshall, Robert A.; and Biddulph, Trevor W., to Ford Motor Company. Engine exhaust system. 4,805,403, 2-21-89, Cl. 60-320.000.

Bowman, Timothy S. Activation kits for presets. 4,864,078, 9-5-89, Cl. 174-48.000.

Bowman, Tracy L. Quick release bicycle rack. 4,842,148, 6-27-89, Cl. 211-18.000.

Bowman, Wayne A.; and Verhow, Ronald L., to Eastman Kodak Company. Temporary barrier layer for photographic element. 4,865,946, 9-12-89, Cl. 430-215.000.

Bowman, Wayne A.; and Harrison, Daniel J., to Eastman Kodak Company. Stripping layers for imaging elements. 4,871,648, 10-3-89, Cl. 430-215.000.

Bowmer, Geoff M.: *See—*
  Kies, Anton M.; van den Nieuwelaar, Harry C.; and Bowmer, Geoff M., 4,819,469, Cl. 72-89.000.
  Kies, Anton M.; van den Nieuwelaar, Harry C.; and Bowmer, Geoff M., 4,870,848, Cl. 72-89.000.

Bownass, Audrey J.: *See—*
  Robinson, Colin; Eastlick, David T.; and Bownass, Audrey J., 4,876,351, Cl. 548-204.000.

Bownds, Royce D. Magnetic lifting tool. 4,802,702, 2-7-89, Cl. 294-65.500.

Bowne, William C. Sewage system discharge pump module. 4,867,871, 9-19-89, Cl. 210-97.000.

Bowns, Richard E.; and Diepholz, David L., to Advanced Products, Inc. Silver/silver chloride compositions. 4,877,512, 10-31-89, Cl. 204-435.000.

Bowry, Carolyn: *See—*
  Clark, Michael G.; Mosley, Alan; Bowry, Carolyn; and Nicholas, Beatrice M., 4,832,462, Cl. 350-350.00S.

Bowser, C. Frederick; and Kurtz, John L., to Bowser, C. Frederick. Electrical tape boundary sensor apparatus. 4,840,377, 6-20-89, Cl. 273-31.000.

Bowser, Harold R., Sr.; and Chapman, Monty C., Jr., to Bowser Pallet Co. Nesting and stacking pallet. 4,838,176, 6-13-89, Cl. 108-53.300.

Bowser, John J.: *See—*
  Bailey, Christian E.; and Bowser, John J., 4,860,598, Cl. 73-863.330.

Bowser Pallet Co.: *See—*
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Bowser, Paul A.; and White, Richard J., to Lever Brothers Company. Treatment of skin disorders. 4,824,865, 4-25-89, Cl. 514-558.000.

Bowser, Paul A.; and Sturmey, Ingrid C. Cosmetic products. 4,839,161, 6-13-89, Cl. 424-59.000.

Bowsher, Richard: *See—*
  Sparshott, John; Butler, Stephen; and Bowsher, Richard, 4,828,409, Cl. 400-124.000.

Bowskill, Mary J.; and McDonald, Norman V. Disposable protective shield for handle of illumination device. 4,795,669, 1-3-89, Cl. 428-194.000.

Bowsky, Benjamin; Honkomp, Glenn A.; Burrows, Larry G.; and Wilson, Edward E., to Emerson Electric Co. Method of manufacturing a safety vented container and product. 4,803,136, 2-7-89, Cl. 429-56.000.

Bowsky, Benjamin, to Emerson Electric Co. Method for manufacturing hermetic terminal assemblies. 4,804,396, 2-14-89, Cl. 65-59.270.

Bowsky, Benjamin, to Emerson Electric Co. Apparatus for manufacturing hermetic terminal assemblies. 4,888,039, 12-19-89, Cl. 65-139.000.

Bowthorpe EMP Limited: *See—*
  Doone, Rodney M.; and Colbert, Henry J., 4,851,955, Cl. 361-117.000.

Bowyer, Stephen M., to Meridian, Inc. Drawer interlocking means for storage cabinet. 4,884,853, 12-5-89, Cl. 312-221.000.

Box, Benton H., Jr., to North American Philips Corporation. Capacitor with integral tab arbor. 4,814,939, 3-21-89, Cl. 361-307.000.

Box, David W. Thermal interface device for heating elements. 4,825,046, 4-25-89, Cl. 219-433.000.

Box, James A., to Tremco Incorporated. Selectively permeable zeolite adsorbents and sealants made therefrom. 4,835,130, 5-30-89, Cl. 502-62.000.

Box, James A.: *See—*
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Box, Jeffrey L.: *See—*
  Johnson, Charles B.; Box, Jeffrey L.; and Hildebrand, David B., 4,799,216, Cl. 370-67.000.

Box, Joe G.; and Anderson, J. E. C., to Milbar Corporation. Wire twisting tool. 4,842,025, 6-27-89, Cl. 140-119.000.

Box, John W.; and Folger, John H., Jr., to Cordis Corporation. Inflation syringe assembly for percutaneous transluminal angioplasty. 4,832,692, 5-23-89, Cl. 604-99.000.

Box, John W.; and Donadio, James V., to Cordis Corporation. Flexible guidewire. 4,846,186, 7-11-89, Cl. 128-657.000.

Box-O-Matic, Inc.: *See—*
  Renard, Donald J.; and Renard, Eric D., 4,815,252, Cl. 53-383.000.

Box, Robert L., to Vickers Shipbuilding & Engineering Limited. Radially interengaged vane coupling with circumferentially arranged resilient pads. 4,816,007, 3-28-89, Cl. 464-74.000.

Box, Robert L.; and Cottrell, Peter R., to Vickers Shipbuilding & Engineering Limited. Structures subject to bending and fatigue loading. 4,859,107, 8-22-89, Cl. 403-24.000.

Box, Thomas, to Spectrum International, Inc. Pilfer resistant beverage case. 4,819,822, 4-11-89, Cl. 220-72.000.

Boxall, Frank S., to General Signal Corporation. Rearrangeable digital signal space division switching system. 4,804,956, 2-14-89, Cl. 345-825.790.

Boxhammer, Jorg: *See—*
  Bossler, Hans J.; Enders, Peter; Boxhammer, Jorg; Rudolph, Bernd; and Sebralla, Bruno, 4,884,008, Cl. 315-152.000.

Boxholmkonsult AB: *See—*
  Strandberg, Anders, 4,798,475, Cl. 366-160.000.

Boxhoorn, Gosse; Schoenmakers, Peter J.; and Velthuis, Otto M., to Shell Oil Company. Process for the preparation of a silver-containing ethylene oxide catalyst and the catalyst prepared by the process. 4,806,518, 2-21-89, Cl. 502-231.000.

Boxhoorn, Gosse; and Klazinga, Aan H., to Shell Oil Company. Silver catalyst and process for its preparation. 4,829,044, 5-9-89, Cl. 502-348.000.

Boxhoorn, Gosse, to Shell Oil Company. Silver-containing catalyst process for the preparation of the catalyst and the catalyst prepared by the process. 4,874,739, 10-17-89, Cl. 502-218.000.

Boy, Charles E.: *See—*
  Heaps, Harry D., Jr.; and Boy, Charles E., 4,850,506, Cl. 220-403.000.

Boy, Juergen, to Siemens Aktiengesellschaft. Gas discharge path. 4,797,778, 1-10-89, Cl. 361-130.000.

Boy, Juergen; and Hoene, Ernst L., to Siemens Aktiengesellschaft. Gas discharge overvoltage arrester. 4,831,485, 5-16-89, Cl. 361-120.000.

Boyacigiller, Ziya G., to Maxim Integrated Products. Apparatus for pre-defining circuit characteristics. 4,797,569, 1-10-89, Cl. 307-297.000.

Boyadjiev, Dimcho I.: *See—*
  Zapryanov, Yordan D.; Boyadjiev, Dimcho I.; Mladenov, Dei I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadi B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michai P.; and Kolev, Kolyo E., 4,814,993, Cl. 364-442.000.

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Boyal, Mohan S. Electrical heating cable. 4,864,107, 9-5-89, Cl. 219-549.000.

Boyar, Robert E.; DeVolpi, Alexander; Stanford, George S.; and Rhodes, Edgar A., to United States of America, Energy. Switchable radioactive neutron source device. 4,829,191, 5-9-89, Cl. 250-496.100.

Boyarsky, David: *See—*
  Denton, Peter R.; and Boyarsky, David, 4,808,291, Cl. 204-298.000.

Boyce, Bradley R., to Deere & Company. Stress analyzer with automatic overload response. 4,828,400, 5-9-89, Cl. 374-46.000.

Boyce, Douglas G.; Deleganes, Sam M.; Nathanson, Robert M.; and Bieber, Timothy E., to Tektronix, Inc. Microprocessor system debug tool. 4,796,258, 1-3-89, Cl. 371-16.000.

Boyce, Elvin L., to Professional Tape Converters, Inc. Eye shield. 4,797,956, 1-17-89, Cl. 2-431.000.

Boyce, Gary W., to Polyvoltac Canada Inc. Mixing process. 4,833,175, 5-23-89, Cl. 521-82.000.

Boyce, Joseph S.; Wallis, Roland R., Jr.; and Bullock, Daniel E., to Foster-Miller, Inc. Composite structure reinforcement. 4,808,461, 2-28-89, Cl. 428-119.000.

Boyce, Rory W., to Grass Valley Group, Inc., The. Rapid signal acquisition and phase averaged horizontal timing from composite sync. 4,843,469, 6-27-89, Cl. 358-148.000.

Boyce, Stephen V.; Lozeau, Robert V.; and Farmer, Lawrence R., to A.T. Cross Company. Pocket clip assembly and assembly method. 4,837,900, 6-13-89, Cl. 24-11.00P.

Boyce, Ted L. Rocker/glider. 4,796,949, 1-10-89, Cl. 297-259.000.

Boyce Thompson Institute for Plant Research: *See—*
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Boyce, Timothy, to Kramer Music Products, Inc. Carrying case for musical instruments. 4,795,030, 1-3-89, Cl. 206-314.000.

Boyd, Billy E. Arm exercising apparatus. 4,858,912, 8-22-89, Cl. 272-67.000.

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Boyd, Cecil, to Brock, Judith, a part interest. Beverage container pressurizer. 4,838,324, 6-13-89, Cl. 141-64.000.

Boyd, Charles H.: *See—*
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Boyd, Clinton A.: *See—*
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Boyd Coffee Company: *See—*
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Boyd, David D., to Boyd Coffee Company. Securable beverage dispensing server. 4,811,872, 3-14-89, Cl. 222-610.000.

Boyd, David M.; Barwick, Daniel L.; Chestnut, Dennis H.; Jones, Timothy W.; Walburn, Douglas M.; and Wilt, Larry J., to AMP Incorporated. Apparatus for interacting with both sides of a two-sided strip. 4,813,147, 3-21-89, Cl. 33-501.030.

Boyd, Donald R., to Siemens Energy & Automation, Inc. Tripping coil with flux shifting coil and booster coil. 4,876,521, 10-24-89, Cl. 335-179.000.

Boyd, E. Gordon. Trash bag with inflatable rim. 4,867,576, 9-19-89, Cl. 383-33.000.

Boyd, Frank M.: *See—*
  Makowski, Maciej J.; and Boyd, Frank M., 4,804,330, Cl. 439-75.000.

Boyd, Gary T.; and Shen, Yuen-Ron, to University of California, The Regents of the. Multiple layer optical memory system using second-harmonic-generation readout. 4,829,505, 5-9-89, Cl. 369-94.000.

Boyd, Ivan, to British Telecommunications public limited company. Method of speech coding. 4,864,621, 9-5-89, Cl. 381-38.000.

Boyd, Jack D.: *See—*
  Schornick, Gunnar; Eisenberth, Philipp; Schuhmacher, Rudolf; and Boyd, Jack D., 4,835,232, Cl. 526-262.000.

Boyd, Monty. Remote combustible gas sensor. 4,882,576, 11-21-89, Cl. 340-632.000.

Boyd, Phillip R., to United States of America, Army. High speed semiconductor characterization technique. 4,875,004, 10-17-89, Cl. 324-158.00D.

Boyd, Richard M., to Quadion Corporation. High speed self-lubricating bearing-seal assembly. 4,878,766, 11-7-89, Cl. 384-130.000.

Boyd, Ronald J.; Law, Wing; and Wilson, Gary L., to General Electric Company. Standoff adapter for ultrasound probe. 4,796,632, 1-10-89, Cl. 128-662.030.

Boyd, Stuart G.: *See—*
  Steward, Raymond G.; and Boyd, Stuart G., 4,863,791, Cl. 428-310.500.

Boyd, Winnett. Chain wheel assembly. 4,798,565, 1-17-89, Cl. 474-158.000.

Boyden, Brace: *See—*
  Newman, Harold L.; Adams, William S., Jr.; and Boyden, Brace, 4,874,521, Cl. 210-639.000.

Boydston, Thomas F.: *See—*
  Page, Theron V., Jr.; Boydston, Thomas F.; and Posa, John G., 4,844,006, Cl. 118-719.000.

Boyea, Robert J.: *See—*
  Plummer, William T.; and Boyea, Robert J., 4,814,118, Cl. 264-2.200.

Boyer, Alan H.; Walter, Graham D.; and Moore Robert A., to Markem Corporation. Electrostatic printing utilizing a heated air flow. 4,809,026, 2-28-89, Cl. 346-155.000.

Boyer, Alan H.; Walter, Graham D.; and Moore, Robert A., to Markem Corporation. Offset electrostatic printing utilizing a heated air flow. 4,809,027, 2-28-89, Cl. 346-159.000.

Boyer, Alan H.; Walter, Graham D.; and Moore, Robert A., to Markem Corporation. Offset electrostatic imaging process. 4,864,331, 9-5-89, Cl. 346-159.000.

Boyer, Billy G.; Nelson, Lloyd M.; Soucie, Wayne L.; and Hayes, William K., to Orscheln Co. Brake apparatus with blind cable installing means. 4,872,533, 10-10-89, Cl. 188-2.00D.

Boyer, Birdell T.: *See—*
  Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., 4,799,437, Cl. 110-229.000.
  Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., 4,846,668, Cl. 431-173.000.

Boyer-Chammard, Yann: *See—*
  Schoellkopf, Jean-Pierre; and Boyer-Chammard, Yann, 4,810,910, Cl. 307-530.000.

Boyer, David A.: *See—*
  Nelson, Erik K.; Demarchi, Michael E.; and Boyer, David A., 4,825,251, Cl. 355-27.000.

Boyer, Donald R.; and Crook, Robert L., to Albany International Corp. Papermakers felt with a resin matrix surface. 4,795,480, 1-3-89, Cl. 51-296.000.

Boyer, Francis, to Societe Francaise d'Equipments pour la Navigation Aerienne (S.F.E.N.A.). Fault display device for gyroscopic instruments. 4,862,149, 8-29-89, Cl. 340-635.000.

Boyer, Francis, to Societe Francaise d'Equipements pour la Navigation Aerienne (S.F.E.N.A.). Gyroscopic artificial horizon. 4,882,845, 11-28-89, Cl. 33-328.000.

Boyer, Frank S. Warning light system. 4,823,109, 4-18-89, Cl. 340-467.000.

Boyer, Inc.: *See—*
  Boyer, Mark L., 4,864,748, Cl. 37-142.500.

Boyer, Ivon: *See—*
  Dixon, Herbert S.; Weller, Jonathan W.; Boyer, Ivon; and McKenney, Darryl J., 4,800,461, Cl. 361-398.000.

Boyer, Jean-Francois, to Ethypharm. Medicine based on fenofibrate, and a method of preparing it. 4,800,079, 1-24-89, Cl. 424-482.000.

Boyer, John D., to Road Systems, Inc. Trailer. 4,874,184, 10-17-89, Cl. 280-423.100.

Boyer, Joseph H.: *See—*
  Pavlopoulos, Theodore G.; and Boyer, Joseph H., 4,799,230, Cl. 372-53.000.

Boyer, Keith: *See—*
  Asmus, John; and Boyer, Keith, 4,867,796, Cl. 131-1.000.
  Dunn, Joseph E.; Clark, R. Wayne; Asmus, John F.; Pearlman, Jay S.; Boyer, Keith; Painchaud, Fraincois; and Hofmann, Gunter A., 4,871,559, Cl. 426-248.000.

Boyer, Mark L., to Boyer, Inc. Materials transport and distribution apparatus. 4,864,748, 9-12-89, Cl. 37-142.500.

Boyer, Michael E.: *See—*
  Stephens, Joseph C.; Smith, Lawrence E.; and Boyer, Michael E., 4,812,719, Cl. 315-411.000.

Boyer, Michael R.; Foster, James F.; and Gyger, Jack D., to Roberts Corporation. Selective delivery arrangement for self propelled pallet vehicles. 4,846,073, 7-11-89, Cl. 104-88.000.

Boyer, Paul K.: *See—*
  Sachitano, Jack; Boyer, Paul K.; Park, Hee K.; and Eiden, Gregory C., 4,826,782, Cl. 437-44.000.

Boyer, Peter W.; and Haczynski, Roger W., to Bimba Manufacturing Company. Fluid cylinder cushioning system. 4,794,681, 1-3-89, Cl. 29-156.70A.

Boyer, Peter W.; and Haczynski, Roger W., to Bimba Manufacturing Company. Fluid cylinder cushioning system. 4,862,786, 9-5-89, Cl. 91-26.000.

Boyer, Robert C.: *See—*
  Long, Charles F.; McCauley, Phillip F.; and Boyer, Robert C., 4,827,806, Cl. 74-869.000.

Boyer, Robert E. Electrical vented handpiece. 4,798,934, 1-17-89, Cl. 219-233.000.

Boyer, Rodney R.: *See—*
  Blakely, Lawrence A.; Boyer, Rodney R.; and Dalzell, Lawrence B., 4,848,934, Cl. 384-206.000.

Boyer, Scott M.; Cole, Steven J.; Gauvin, Roger A.; and Mitchell, Joe C., to Answer Products, Inc.; and Yakima, Inc. Portable apparatus for retaining a bicycle. 4,887,754, 12-19-89, Cl. 224-319.000.

Boyers, Douglas B.; and Wilkening, Steven R., to Federal-Mogul Corporation. Oil seal with antirotation ribs. 4,856,794, 8-15-89, Cl. 277-37.000.

Boyes, Adrian P. Gas liquid contacting method. 4,834,343, 5-30-89, Cl. 261-79.200.

Boyes, Melvyn H.: *See—*
  Venkat, Rajoo; Boyes, Melvyn H.; and Estes, Howard S., 4,850,117, Cl. 34-32.000.

Boyesen, Eyvind, to Performance Industries, Inc. Exhaust control valve for two-stroke cycle engines and process for using the same. 4,829,946, 5-16-89, Cl. 123-65.0PE.

Boyesen, Eyvind. Chair for infants. 4,858,991, 8-22-89, Cl. 297-195.000.

Boyesen, Eyvind, to Performance Industries, Inc. Reed valve mechanism for engines. 4,879,976, 11-14-89, Cl. 123-651.000.

Boyko, James G., to Maxaxam Corporation. Mechanical drive with multi-ply tape. 4,813,292, 3-21-89, Cl. 74-89.200.

Boyko, James G.; and Brackett, George E., to Maxaxam Corporation. Roller worm drives and roller wheels for use therein. 4,833,934, 5-30-89, Cl. 74-425.000.

Boyko, James G.; and Farrar, Timothy J., to Masco Industries, Inc. Automatic vehicle striker powered by a unidirectional motor. 4,842,313, 6-27-89, Cl. 292-341.160.

Boyko, James G.; Farrar, Timothy J.; and Peterson, Stephen B., to Masco Industries, Inc. Powered sliding door opener/closer for vehicles. 4,862,640, 9-5-89, Cl. 49-213.000.

Boyko, James G.; Farrar, Timothy J.; and Peterson, Stephen B., to Masco Industries, Inc. Powered sliding door opener/closer for vehicles. 4,887,390, 12-19-89, Cl. 49-214.000.

Boylan, Elizabeth A.; and Fong, Gerald D., to Corning Glass Works. Thermal writing on glass and glass-ceramic substrates. 4,847,138, 7-11-89, Cl. 428-209.000.

Boylan, Elizabeth S.; Boylan, Robert J.; Groupe, Vincent; and Simpson, Robert W. Process for preparing xerosin II and xerosin III, improved biological response modifiers. 4,877,616, 10-31-89, Cl. 424-123.000.

Boylan, Robert J.: *See—*
Boylan, Elizabeth S.; Boylan, Robert J.; Groupe, Vincent; and Simpson, Robert W., 4,877,616, Cl. 424-123.000.

Boyle, Alan: *See—*
Hawkins, Albert P.; Boyle, Alan; and Stone, Alan M., 4,858,771, Cl. 209-552.000.

Boyle, Bede A. Particulate material transportation. 4,863,317, 9-5-89, Cl. 406-109.000.

Boyle, Bradley C.: *See—*
Cadwell, Lawrence O.; Schneider, Paul T.; and Boyle, Bradley C., 4,813,820, Cl. 408-1.00R.

Boyle, David J.: *See—*
Edwards, David G., Finlay, Gerard; Boyle, David J.; Heasly, Clyde C., Jr.; Walsh, Joseph M.; and Poling, Ralph J., 4,802,412, Cl. 101-269.000.

Boyle, Edward F.: *See—*
Baker, Gregory G.; and Boyle, Edward F., 4,880,348, Cl. 414-783.000.

Boyle, Francis T.; Matusiak, Zbigniew S.; and Wardleworth, James M., to Imperial Chemical Industries PLC. Use of olefinic compounds. 4,866,086, 9-12-89, Cl. 514-383.000.

Boyle, Greg: *See—*
Nicholson, Donald; Nordmyer, Robert; and Boyle, Greg, 4,828,804, Cl. 422-264.000.

Boyle, John T. A.; and Todd, Richard S., to John Wyeth & Brother Limited. 4-quinazolinylamino and 4-cinnolinylamino benzenesulphonic acids and amides. 4,808,715, 2-28-89, Cl. 544-235.000.

Boyle, Joseph P., to Exxon Research and Engineering Company. Reactivation of iridium-containing catalysts. 4,872,970, 10-10-89, Cl. 208-140.000.

Boyle, Michael C.: *See—*
Bertoglio, Guido; Boyle, Michael C.; Cooney, James S.; and Waikup, William B., 4,8[illegible]8,801, Cl. 439-83.000.

Boyle, Michael D. P.; and Yarnall, Michele, to University of Florida Research Foundation, Inc. Bacterial FC receptors. 4,883,754, 11-28-89, Cl. 435-177.000.

Boyle-Midway Household Products, Inc.: *See—*
Rahfield, Susan; and Newman, Benjamin, 4,828,743, Cl. 252-87.000.

Boyle, Peter C.; Steffen, Daniel G.; Melton, John L.; Coccodrilli, Gus D., Jr.; and Nagy, Michael A., to General Foods Corp. Rapid rehydrating beverage. 4,874,606, 10-17-89, Cl. 426-74.000.

Boyle, Peter J. Apparatus for and method of cooking pieces of food. 4,839,186, 6-13-89, Cl. 426-523.000.

Boyles, William C., Hagge, Douglas R.; and Johnston, C. V., to Cardinal Industries, Inc. Auxiliary towing apparatus for tractor trucks and the like. 4,826,195, 5-2-89, Cl. 280-402.000.

Boynton, Nancy V. Swim suit construction. 4,875,236, 10-24-89, Cl. 2-67.000.

Boynton, Philip E.: *See—*
Davidson, James G.; Allard, Deborah A.; Sawyer, Philip J.; and Boynton, Philip E., 4,886,522, Cl. 44-624.000.

Boys, Donald R.; and Graves, Walter E., to Genus, Inc. Dial deposition and processing apparatus. 4,795,299, 1-3-89, Cl. 414-217.000.

Boys, Jack A., II: *See—*
Franklin, Craig A.; Parracho, Rui M.; Smith, Lloyd S.; Bunch, Richard P.; Boys, Jack A., II; Gross, Alexander L.; and Pagluiso, Robert W., 4,794,707, Cl. 36- 07.000.

Boys, John T., to SPS Technologies, Inc. Tightening system and a method of tightening. 4,832,133, 5-23-89, Cl. 173-1.000.

Boys, John T., to University of Auckland. Method and/or apparatus for controlling the motor speed of an electric AC motor and/or a method of determining torque. 4,881,022, 11-14-89, Cl. 318-800.000.

Boys, William E.: *See—*
Ward, Robert W.; Hunter, Rodney G.; and Boys, William E., 4,823,032, Cl. 310-43.000.

Boyse, George C., to Down River International Inc. Void filler and method for manufacture. 4,865,889, 9-12-89, Cl. 428-12.000.

Bozadjiev, Iltcho T.: *See—*
Samokovliiski, David A.; Nemetchek, Alfred E.; Citchev, Mihail G.; Andreev, Krassimir A.; Bozadjiev, Iltcho T.; and Momtchilov, Emil T., 4,845,336, Cl. 219-137.200.

Bozano, Enrico D. Air regulator for breathing apparatus. 4,889,115, 12-26-89, Cl. 128-204.260.

Boze, Ronald A.; and Warning, Theodore A. Apparatus and process for filtering fluids. 4,874,533, 10-17-89, Cl. 210-778.000.

Bozek, Daryn S., to Universal Industries Ltd. Method and apparatus for determining oil content of oil well production. 4,836,017, 6-6-89, Cl. 73-155.000.

Bozek, John W. Archery device with separate bending and lauching bowstrings and front end arrow launch. 4,858,588, 8-22-89, Cl. 124-23.00R.

Bozell, Joseph J.; and Vogt, Charles E., to Monsanto Company. Process for the preparation of substituted olefins from unsaturated organic chlorides and olefins. 4,814,489, 3-21-89, Cl. 560-104.000.

Bozeman, James D.: *See—*
Hunter, Andrew F.; and Bozeman, James D., 4,848,970, Cl. 405-224.000.

Bozhko, Valery P.; Yatsenko, Sergei V.; Strizhenko, Vitaly E.; Losev, Alexei V.; Pleshkov, Viktor I.; and Junash, Viktor M., to Kharkovsky Aviatsionny Institut. Apparatus for thermal deburring of parts. 4,796,867, 1-10-89, Cl. 266-51.000.

Bozhko, Valery P.; Losev, Alexei V.; Strizhenko, Vitaly; Pleshkov, Viktor I.; and Levityansky, Ivan A., to Kharkovsky Aviatsionny Institut. Apparatus for thermal deburring of parts. 4,796,868, 1-10-89, Cl. 266-51.000.

Bozhko, Valery P.; Losev, Alexei V.; Takoriants, Mateos P.; Pleshkov, Viktor I.; Strizhenko, Vitaly E.; Levityansky, Ivan A.; Filippov, Boris L.; and Kononenko, Tamara I., to Kharkovsky Aviatsionny Institut. Thermopulse apparatus for deburring parts. 4,802,654, 2-7-89, Cl. 266-51.000.

Bozhko, Valery P.; Strizhenko, Vitaly E.; Kushnarenko, Sergei G.; Losev, Alexei V.; and Kononenko, Vadim G., deceased (by Kononenko, Tamara I., executrix), to Kharkovsky Aviatsionny Institut Imeni N.E. Zhukovskogo. Method of thermal deburring of metal parts. 4,826,541, 5-2-89, Cl. 148-9.00R.

Bozich, George J.: *See—*
Smedberg, Kenneth L.; Bozich, George J.; and Kotynski, Robert J., 4,796,460, Cl. 72-453.130.
Smedberg, Kenneth L.; Bozich, George J.; and Kotynski, Robert J., 4,825,681, Cl. 72-453.130.
Smedberg, Kenneth L.; Bozich, George J.; and Kotynski, Robert J., 4,860,571, Cl. 72-453.130.

Bozler, Carl O.; Fan, John C. C.; and McClelland, Robert W., to Massachusetts Institute of Technology. Method of producing tandem solar cell devices from sheets of crystalline material. 4,816,420, 3-28-89, Cl. 437-2.000.

Bozler, Carl O.; Fan, John C. C.; and McClelland, Robert W., to Massachusetts Institute of Technology. Method of producing sheets of crystalline material. 4,837,182, 6-6-89, Cl. 437-82.000.

Bozo, Eva: *See—*
Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csoka Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cset Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.

Bozoky, Bela: *See—*
Tigyi, Gabor; Bozoky, Bela; Szegvari, Zsuzsanna; Frank, Tibor; Hajos, Gyorgy; Szporny, Laszlo; and Forgacs, Lilla, 4,882,33 Cl. 514-283.000.

Bozowski, Stanley: *See—*
Gittleman, Jonathan I.; and Bozowski, Stanley, 4,859,939, Cl. 324-158.00R.

Bozoyan, Edward. OTR safety urinal pumps. 4,878,819, 11-7-89, Cl. 417-514.000.

Bozyk, Richard P.; and Quan, John P., to United Technologies Automotive, Inc. Guidance receptor cup system for automotive modular door panels. 4,829,713, 5-16-89, Cl. 49-506.000.

Bozzi, Richard P.: *See—*
Decker, Richard B.; and Bozzi, Richard P., 4,854,046, Cl. 30-276.000.

Bozzio, Terry; and Yentis, Wayne. Pedal operated electronic drum 4,817,485, 4-4-89, Cl. 84-1.040.

BP Chemicals Limited: *See—*
A'Court, Richard, 4,797,487, Cl. 544-279.000.
Anderson, Jeffrey J.; Drury, David J.; Hamlin, John E.; and Kent, Alexander G., 4,855,496, Cl. 562-609.000.
Aubanel, Marie-Line; and Bailly, Jean C., 4,797,461, Cl. 526-348.600.
Cameron, Robert; and McMahon, Denis J., 4,832,443, Cl. 350-96.230.
Chamla, Claude; and Speakman, John G., 4,879,359, Cl. 526-105.000.
Cloetens, Rudolpha C.; Lidy, Werner A.; and Thanh, Huy P., 4,883,832, Cl. 524-265.000.
Cloetens, Rudolphe C.; and Umpleby, Jeffrey D., 4,859,810, Cl. 174-110.0PM.
Cloetens, Rudolphe C.; Lidy, Werner A.; Phillips, Brian D.; and Thomas, David B., 4,871,783, Cl. 521-137.000.
Crouzet, Pierre, 4,818,417, Cl. 210-768.00C.
Dennis, Robert W.; Dye, Charles J.; and Keasey, Alan, 4,839,09 Cl. 252-8.515.
Drury, David J.; and Pennington, John, 4,851,569, Cl. 560-239.00
Drury, David J.; and Hamlin, John E., 4,853,482, Cl. 562-607.00
Dumain, Andre; and Raufast, Charles, 4,882,400, Cl. 526-88.00
Duncan, Alexander W. S., 4,810,750, Cl. 524-761.000.
Dunn, Michael; and Parker, David A., 4,824,686, Cl. 426-532.00
Durand, Daniel C.; and Morterol, Frederic R., 4,857,611, Cl. 526-88.000.
Fanizzi, Francesco P.; and Maitlis, Peter M., 4,849,545, Cl. 568-397.000.
Fis, Joelle Y.; Lidy, Werner A.; Phillips, Brian D.; and Thomas, David B., 4,843,106, Cl. 521-107.000.
Kent, Alexander G.; and MacAlpine, Derek K., 4,827,070, Cl. 585-430.000.
Kent, Alexander G.; Lawrenson, Malcolm J.; and MacAlpine, Derek K., 4,835,328, Cl. 585-329.000.
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Kitson, Melanie; and Williams, Peter S., 4,826,795, Cl. 502-184.00
Kitson, Melanie; and Williams, Peter S., 4,831,076, Cl. 524-701.00
Lidy, Werner A.; and Thanh, Huy P., 4,831,076, Cl. 524-701.00
MacAlpine, Derek K.; and Lawrenson, Malcolm J., 4,822,937, Cl. 585-319.000.
Marsaly, Alain; Martens, Andre; Morterol, Frederic R. M. M.; and Raufast, Charles, 4,858,144, Cl. 364-496.000.
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BP Chimie S.A.: *See—*
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BP Performance Polymers, Inc.: *See—*
Adur, Ashok M.; and Hogue, Joseph, Jr., 4,833,195, Cl. 524-528.000.

BPA Inc.: *See—*
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BPB Industries Public Limited Company: *See—*
Jones, Philip E.; and Highet, Robert, 4,879,856, Cl. 52-403.000.

BPCO, Inc.: *See—*
Stagg, Malcolm J.; Stern, Eric P.; and Vidyarthi, Sunil, 4,861,642, Cl. 428-139.000.
Stagg, Malcolm J.; Stern, Eric P.; and Vidyarthi, Sunil, 4,877,671, Cl. 428-139.000.

Braach, Otto: *See—*
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Babendererde, Siegmund; Flunker, Hans-Jurgen; Wittneben, Gert; and Braach, Otto, 4,848,963, Cl. 405-144.000.

Braat, Josephus J. M., to U.S. Philips Corporation. Projection-lens system. 4,872,748, 10-10-89, Cl. 350-452.000.

Braat, Josephus J. M.: *See—*
Opheij, Willem G.; and Braat, Josephus J. M., 4,835,380, Cl. 250-216.000.

Braaten, Dennis A.: *See—*
Priebe, William F.; Milliken, Brad R.; and Braaten, Dennis A., 4,829,913, Cl. 110-346.000.
Priebe, William F.; Milliken, Brad R.; and Braaten, Dennis A., 4,858,537, Cl. 110-243.000.

Braaten, Renelle. Sports bra. 4,816,005, 3-28-89, Cl. 450-58.000.

Braatz, James A.; and Kehr, Clifton L., to W. R. Grace & Co.-Conn. Contact lenses based on biocompatible polyurethane and polyurea-urethane hydrated polymers. 4,886,866, 12-12-89, Cl. 528-59.000.

Braatz, Paul O.; and Efron, Uzi, to Hughes Aircraft Company. Double-Schottky diode liquid crystal light valve. 4,842,376, 6-27-89, Cl. 350-342.000.

Braatz, Paul O.; and Efron, Uzi, to Hughes Aircraft Company. Double-Schottky diode liquid crystal light valve. 4,881,110, 11-14-89, Cl. 357-30.000.

Braatz, Paul O.: *See—*
Efron, Uzi; Braatz, Paul O.; Vasudev, Prahalad K.; and Robertson, Glenn D., 4,826,300, Cl. 350-342.000.
Little, Michael J.; Efron, Uzi; Braatz, Paul O.; Schwartz, Robert N.; Owechko, Yuri; and Welkowsky, Murray S., 4,807,976, Cl. 350-355.000.

Brac, Jean, to Institut Francais du Petrole. Method and device for determining the remote emission signature of a seismic emission assembly. 4,827,456, 5-2-89, Cl. 367-23.000.

Brac, Jean, to Institut Francais du Petrole. Method and device for determining the position of immersed objects with respect to the ship which tows them. 4,845,686, 7-4-89, Cl. 367-130.000.

Brac, Jean, to Insitut Francais du Petrole. Method for determining the geometry of a multisource seismic wave emission device. 4,862,422, 8-29-89, Cl. 367-19.000.

Bracco, Anthony C.: *See—*
Rosen, Meyer R.; Marlin, Lawrence; and Bracco, Anthony C., 4,802,914, Cl. 75-3.000.

Brace, Michael W.; Fox, Rance B.; and Michel, Marilyn, to United Technologies Corporation. Three dimensional stabilization of dry composite fabric. 4,867,085, 9-19-89, Cl. 112-262.100.

Brace, Regie P. Woodsplitting head assembly. 4,860,806, 8-29-89, Cl. 144-193.00E.

Bracesco, Roberto, to Sicam Societa' Italiana Cuscini A Molle S.p.A. Method for the manufacture of a padded element, particularly a seat cushion. 4,844,761, 7-4-89, Cl. 156-220.000.

Bracewell, Robert G., to Wiggins Teape Group Limited, The. Thermal transfer printing paper. 4,803,194, 2-7-89, Cl. 503-227.000.

Bracha, Peretz; and Korat, Moshe, to Makhteshim Chemical Works Ltd. Herbicidal compositions. 4,854,965, 8-8-89, Cl. 71-92.000.

Bracht, Roger R.; and Verboom, Johannes J., to Laser Magnetic Storage International Company. Offset for protection against amorphous pips. 4,882,721, 11-21-89, Cl. 369-54.000.

Brachtl, Bruno O.: *See—*
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Brack, Alfred, to Bayer Aktiengesellschaft. Cationic diazacyanine dyestuffs for dyeing polyacrylonitrile-wool blends. 4,840,641, 6-20-89, Cl. 8-534.000.

Brackebusch, Fred W.: *See—*
Lundal, Mandius C.; and Brackebusch, Fred W., 4,818,025, Cl. 299-31.000.

Brackelmann, Gerd: *See—*
Bartmann, Gunter; and Brackelmann, Gerd, 4,852,464, Cl. 92-53.000.

Bracken, Brendan. Security fencing. 4,883,257, 11-28-89, Cl. 256-54.000.

Bracken, John C.: *See—*
Fleischer, Herman J.; and Bracken, John C., 4,806,853, Cl. 324-79.00R.

Bracken, Ray. Root ball container and method. 4,807,393, 2-28-89, Cl. 41-76.000.

Brackett, Charles A.; Heritage, Jonathan P.; Salehi, Jawad A.; and Weiner, Andrew M., to Bell Communications Research, Inc. Optical telecommunications system using code division multiple access. 4,866,699, 9-12-89, Cl. 370-3.000.

Brackett, Douglas C. Method for treating garbage disposal units. 4,852,813, 8-1-89, Cl. 241-30.000.

Brackett, George E. Cigarette moistening apparatus and components thereof. 4,884,582, 12-5-89, Cl. 131-329.000.

Brackett, George E.: *See—*
Boyko, James G.; and Brackett, George E., 4,833,934, Cl. 74-425.000.

Brackett, John E.; and Dahlberg, Larry J., to Fishing Designs, Inc. Palming grip fishing rod and reel assembly. 4,817,324, 4-4-89, Cl. 43-23.000.

Brackett, Stephen E., to Bendix Electronics Limited. Fan with motor cooling enhancement. 4,838,760, 6-13-89, Cl. 416-93.00R.

Brackett, Tom S., to Integrated Fluidics, Inc. Method of bonding plastics. 4,875,956, 10-24-89, Cl. 156-84.000.

Brackman, William D., Jr., to General Electric Company. Method and apparatus for detecting a reduction in the input voltage to a power supply. 4,825,350, 4-25-89, Cl. 363-56.000.

Brackmann, Horst: *See—*
Kleefeldt, Frank; Brackmann, Horst; and Bartel, Peter, 4,837,567, Cl. 340-825.310.

Brackmann, Walter H., Jr.; Van Gelder, Cornelius A.; and Halushka, Roman A., to Hughes Aircraft Company. Pressure compensated intermodule towed array connector. 4,880,3[illegible]0, 11-14-89, Cl. 439-204.000.

Brackmann, Warren A.; Snaidr, Stanislav M.; Nehyo, Takeshi; and Sheahan, Michael H., to Rothmans, Benson & Hedges Inc.; and Rothmans International Services Limited. Cigarette making machine hopper. 4,867,1[illegible]0, 9-19-89, Cl. 131-109.100.

Bracy, Bonnie. Table-top receptacle for storing prepared food items. 4,817,808, 4-4-89, Cl. 220-20.000.

Bracy, Julie A. Sandbox and swimming pool playset. 4,799,665, 1-24-89, Cl. 272-1.00R.

Bradac, Francis: *See—*
Borgos, John A.; Bradac, Francis; Haumschild, Daniel J.; Johnson, Timothy; and Lee, Rebecca, 4,875,755, Cl. 350-96.200.

Bradam, William R., to NCR Corporation. Paper guide and stop for multi-function printer. 4,795,282, 1-3-89, Cl. 400-605.000.

Bradbeer, Peter F.: *See—*
Trett, John; and Bradbeer, Peter F., 4,839,605, Cl. 328-146.000.
Trett, John; and Bradbeer, Peter F., 4,864,296, Cl. 340-870.190.

Bradbury, James W., to General Motors Corporation. Thin inflatable elastomeric seat. 4,826,249, 5-2-89, Cl. 297-452.000.

Bradbury, James W., to Xermac, Inc. Windshield wiper blade. 4,847,940, 7-18-89, Cl. 15-250.400.

Bradbury, Roderick S., Quinlan, Raymond J.; and Most, Brian H., to Novo Industri A/B. Pesticidal composition for water treatment. 4,865,842, 9-12-89, Cl. 424-93.000.

Bradbury, Roy: *See—*
Gregory, Peter; and Bradbury, Roy, 4,808,568, Cl. 503-227.000.
Gregory, Peter; Bradbury, Roy; and Meyrick, Barry H., 4,859,651, Cl. 503-227.000.

Braddick, Britt O., to Texas Iron Works, Inc. Method and apparatus for manipulating a well bore liner. 4,834,185, 5-30-89, Cl. 166-382.000.

Braddick, Britt O.: *See—*
Baker, Samuel F.; and Braddick, Britt O., 4,854,386, Cl. 166-289.000.

Braddick, Peter W.: *See—*
Bhalaik, Arun; Braddick, Peter W.; Brittin, Darryl S.; and Johnson, Gerald L., 4,808,036, Cl. 405-217.000.

Braddock, Walter D., IV: *See—*
Au Coin, Thomas R.; Braddock, Walter D., IV; and Iafrate, Gerald J., 4,883,769, Cl. 437-110.000.

Braddon, George B. Method for die cutting plastic foam. 4,856,393, 8-15-89, Cl. 83-50.000.

Brade, Wolfgang: *See—*
Reischig, Dirk; Hettche, Helmut; and Brade, Wolfgang, 4,812,481, Cl. 514-647.000.

Braden, Jeffrey L.: *See—*
Huang, Dinah C.; and Braden, Jeffrey L., 4,861,745, Cl. 502-314.000.

Braden, Roger J. System for determining angles for cabinet tops. 4,866,853, 9-19-89, Cl. 33-465.000.

Braden, Rudolf: *See—*
Fiedler, Paul; Braden, Rudolf; and Buding, Hartmuth, 4,812,587, Cl. 556-136.000.
Himmler, Thomas; Fiedler, Paul; Braden, Rudolf; and Buding, Hartmuth, 4,795,788, Cl. 525-338.000.
Marhold, Albrecht; and Braden, Rudolf, 4,885,415, Cl. 570-144.000.
Naumann, Klaus; Braden, Rudolf; Behrenz, Wolfgang; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,820,735, Cl. 514-531.000.
Naumann, Klaus; Braden, Rudolf; and Ziemann, Heinz, 4,822,912, Cl. 562-493.000.

Braden, Thomas M. Solid particulate aerosol generator. 4,872,786, 10-10-89, Cl. 406-68.000.

Braden, Victor K. Automatic tennis ball feeding and serving apparatus. 4,841,945, 6-27-89, Cl. 124-78.000.

Brader, Eric W. Transcricothyroid catheterization device. 4,869,718, 9-26-89, Cl. 604-164.000.

Bradfish, Thomas J.: *See—*
Campisi, Carl; Kaliszek, Andrew; Klein, Elmer M.; Schmid, Richard G.; and Bradfish, Thomas J., 4,817,272, Cl. 29-741.000.

Bradford, Alan P.: *See—*
Bly, Vincent T.; Bradford, Alan P.; and Cox, J. Thomas, 4,849,070, Cl. 156-643.000.

Bradford, Bruce P.: *See—*

Graves, William H., Jr.; Wallace, Gary W.; Bradford, Bruce P.; Carpenter, Carolyn R.; Smith, Kenneth W.; and Toft, Howard C., 4,880,018, Cl. 131-375.000.

Bradford, Buck; and McCoy, Michael J. Quick release safety attachment for a stirrup. 4,869,053, 9-26-89, Cl. 54-49.000.

Bradford Company: *See—*

Bradford, Judson A., 4,798,290, Cl. 206-328.000.

Bradford, James C.: *See—*

Parker, William S.; and Bradford, James C., 4,850,690, Cl. 351-205.000.

Bradford, Judson A., to Bradford Company. Electrostatic discharge carton. 4,798,290, 1-17-89, Cl. 206-328.000.

Bradford, Robert G., to Unisys Corporation. Printhead transport apparatus. 4,804,285, 2-14-89, Cl. 400-320.000.

Bradford, Robert G.: *See—*

Steele, David; and Bradford, Robert G., 4,800,259, Cl. 235-483.000.

Bradford, Ruth C. Accessory, for use with a container of preservative. 4,844,281, 7-4-89, Cl. 220-90.000.

Bradford-White Corporation: *See—*

Staats, Charles W., 4,867,106, Cl. 122-13.00R.

West, Eugene L.; and Marcinkewicz, Robert J., 4,808,356, Cl. 264-46.500.

West, Eugene L., 4,861,968, Cl. 219-312.000.

Bradford, William R., to Thorn EMI Electronics Limited. Optical device. 4,877,315, 10-31-89, Cl. 350-451.000.

Bradfute, John G.: *See—*

Lulham, Cedric M.; Wofford, George D.; Bradfute, John G.; and Friedrich, Steven G., 4,875,587, Cl. 206-484.000.

Bradinal, Werner H. W., to U.S. Philips Corporation. Digital circuit arrangement for quantization-noise reduction. 4,859,883, 8-22-89, Cl. 307-546.000.

Bradlee, Charles R., to Monarch Machine Tool Company, The. Method of measuring camber. 4,794,773, 1-3-89, Cl. 72-12.000.

Bradlee, Charles R., to Monarch Machine Tool Company, The. Method of manufacturing coated rolls. 4,801,102, 1-31-89, Cl. 242-7.020.

Bradley, Billie J., to Halliburton Company. Sub-surface release plug assembly. 4,809,776, 3-7-89, Cl. 166-153.000.

Bradley, Billie J.; Giroux, Richard L.; and Joyce, Allen T., to Halliburton Company. Casing centralizer. 4,875,524, 10-24-89, Cl. 166-241.000.

Bradley, Curtis E. Thermal liquid pump. 4,870,943, 10-3-89, Cl. 123-558.000.

Bradley, David E.: *See—*

Akkapeddi, Murali K.; Bradley, David E.; and Gallagher, Thomas D., deceased, 4,843,127, Cl. 525-183.000.

Bradley, David W.; Melotti, Angelo R.; Lecere, Oliver; and Bonnici, Gerald P., to Bertrand Faure Automobile. Memory seat track assembly for vehicle seat. 4,881,774, 11-21-89, Cl. 297-341.000.

Bradley, Dennis, to Arrowin Limited. Vehicle sunroof. 4,883,313, 11-28-89, Cl. 296-216.000.

Bradley, Donald A., to Wiltron Company. Switching power supply with an injection signal frequency locking circuit. 4,858,097, 8-15-89, Cl. 363-41.000.

Bradley, Earl E.: *See—*

Hulbert, Thomas N.; Sesters, James J.; and Bradley, Earl E., 4,810,974, Cl. 331-1.00A.

Bradley, Gary W.: *See—*

Gentry, Bobby C.; Workman, Bobby G.; Powers, Wilber F., Jr.; and Bradley, Gary W., 4,843,696, Cl. 29-33.00F.

Bradley, Graham C.; Stretten, Alton O.; Stretten, John P.; and Wentzel, Rex B. Control and metering system for pay television over a cable network. 4,878,245, 10-31-89, Cl. 380-10.000.

Bradley, Guy M.: *See—*

Lissant, Kenneth J.; Beltman, Charles H.; and Bradley, Guy M., 4,844,620, Cl. 366-136.000.

Bradley, James G.; Conley, Joseph M.; and Wittry, David B., to United States of America, National Aeronautics and Space Administration. Dual cathode system for electron beam instruments. 4,847,502, 7-11-89, Cl. 250-396.0ML.

Bradley, James H., to K. C. Industrial Constructors, Inc. Power conveyor particularly for truck trailers. 4,844,684, 7-4-89, Cl. 414-528.000.

Bradley, Jerome R.: *See—*

Halvorsen, Robert M.; Bradley, Jerome R.; and Long, Gregory F., 4,831,700, Cl. 29-156.70R.

Bradley, John J.; Painton, Richard C.; Acello, John J.; Sawyer, Edward G.; and Nutting, Thomas C., to Eastman Kodak Company. Dual access frame store for field or frame playback in a video disk player. 4,816,929, 3-28-89, Cl. 360-10.100.

Bradley, John J., to Paper Converting Machine Company. Web winding machine and method. 4,856,725, 8-15-89, Cl. 242-66.000.

Bradley, John S.; and Hill, Ernestine W., to Exxon Research and Engineering Company. Transition metal organosols stabilized by organometallic polymers. 4,857,492, 8-15-89, Cl. 502-117.000.

Bradley, John W.: *See—*

Getson, Edward F., Jr.; Bradley, John W.; Gardner, Joseph P.; and Votolato, Alfred F., 4,888,727, Cl. 364-900.000.

Bradley, Liam P., to Marconi Instruments Limited. Method and apparatus for dry testing water-immersible acoustic transducers. 4,838,070, 6-13-89, Cl. 73-1.0DV.

Bradley, Michael S., to British Petroleum Company p.l.c., The. Determination of the stability of floating structures. 4,858,137, 8-15-89, Cl. 364-463.000.

Bradley, Norman F.; and Chamberlain, Craig H., to CAE Machinery Ltd. Mantle with replaceable wear plates. 4,886,218, 12-12-89, Cl. 241-294.000.

Bradley, Ralph H., Jr.: *See—*

McKechnie, Thomas S.; Goldenberg, Jill F.; Fakin, Joshua D.; Shimizu, Jeffrey A.; Bradley, Ralph H., Jr.; and Guerinot, William F., 4,864,390, Cl. 358-60.000.

Bradley, Richard S., to Weigh-Tronix, Inc. Electronic bathroom scale. 4,880,069, 11-14-89, Cl. 177-211.000.

Bradley, Robert F., to Micro-Circuits, Inc. Adhesive component mear for attaching electrical components to conductors. 4,818,823, 4-4-8 Cl. 174-68.500.

Bradley, Sabrina M.: *See—*

Shurnick, Carl W.; and Bradley, Sabrina M., 4,852,781, C 224-148.000.

Bradley, Sterling E. L.; and Farrow, Jimmy W., to American Greetings Corporation. Method and apparatus for simultaneously hot stamping and embossing sheet-like stock material such as paper. 4,867,05 9-19-89, Cl. 101-21.000.

Bradley, William D.: *See—*

Keating, Paul J., II; Barron, Alvah V.; Derman, Jay D.; an Bradley, William D., 4,815,398, Cl. 110-233.000.

Bradlow, H. Leon: *See—*

Applezweig, Norman; and Bradlow, H. Leon, 4,871,726, C 514-177.000.

Bradner, Scott: *See—*

Feldman, Joel A.; Ganong, William F., III; and Bradner, Scot 4,799,262, Cl. 381-43.000.

Bradshaw, Brian W.: *See—*

Fisher, Michael E.; Moxham, Patricia A.; and Bradshaw, Brian W 4,813,422, Cl. 128-634.000.

Bradshaw, James I.; and Baker, Ross G., Jr., to Intermedics, Inc. Active fixation mechanism for lead assembly of an implantable cardia stimulator. 4,858,623, 8-22-89, Cl. 128-785.000.

Bradshaw, Jerald S.; Jones, Brian A.; Markides, Karin E.; and La Milton L., to Brigham Young University. Novel liquid crystalline compounds and polymers. 4,864,033, 9-5-89, Cl. 548-446.000.

Bradshaw, John: *See—*

Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C. E'wan, George B.; and Mitchell, Willian L., 4,822,881, C 540-603.000.

Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C. Ewan, George B.; Mitchell, William L., and Price, Barry J. 4,859,662, Cl. 514-212.000.

Bradshaw, Robert J., II; and Bradshaw, Robert J., III. Method an means for securing glasses to a sun visor. 4,889,420, 12-26-89, C 351-47.000.

Bradshaw, Robert J., III: *See—*

Bradshaw, Robert J., II; and Bradshaw, Robert J., III, 4,889,42 Cl. 351-47.000.

Bradshaw, Roy. Fishing lure or decoy device including holographic image. 4,831,765, 5-23-89, Cl. 43-42.320.

Bradshaw, William; and Shepard, Robert. Portable cooler. 4,873,81 10-17-89, Cl. 62-239.000.

Bradt, L. Jack; Brown, Robert L.; Fogt, Stephen; Laroy, Ron; Lewis Allen R.; and Love, James S., to Videomat Associates. Apparatus an method for storing and retrieving articles. 4,814,592, 3-21-89, C 235-381.000.

Bradt, L. Jack; Brown, Robert L.; Fogt, G. Stephen; Laroy, Ro Lewis, Allen R.; and Love, James S., to Videomat Associates. Apparatus and method for storing and retrieving articles. 4,839,5 6-13-89, Cl. 235-381.000.

Bradwell, Arthur R.; and Deverill, Ian, to Alta Diagnostic Machines Limited. Nephelometric method for determination of an antigen or antibody content in whole blood. 4,889,815, 12-26-89, C 436-517.000.

Brady, Antonio. Waterproof inflatable massage air mattress. 4,872,2 10-10-89, Cl. 5-455.000.

Brady, Arthur: *See—*

Alzmann, Donald; Angelo, Michael; Waldner, Paul R.; and Brady Arthur, 4,829,375, Cl. 358-101.000.

Brady, Daniel F.: *See—*

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Brady Enterprises Inc.: *See—*

Cooley, Judith; and Douglas, Diane, 4,888,186, Cl. 426-99.000.

Brady, Francis X.; and Kauffman, Thomas F., to National Starch an Chemical Corporation. Hot melt adhesives based on ethylene-n-bu acrylate. 4,816,306, 3-28-89, Cl. 428-36.920.

Brady, Francis X.; and Kauffman, Thomas F., to National Starch an Chemical Corporation. Hot melt adhesives based on ethylene-n-bu acrylate. 4,874,804, 10-17-89, Cl. 524-100.000.

Brady, John F., III: *See—*

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Brady, Michael B. C., to English Electric Valve Company Limited Magnetron with tuning member moveable by passing curre through it. 4,831,341, 5-16-89, Cl. 331-90.000.

Brady, Patrick K., to American Telephone and Telegraph Company AT&T Bell Laboratories. Path allocation arrangement for multi-terminal groups. 4,873,716, 10-10-89, Cl. 379-134.000.

Brady, Robert V.: *See—*

Roberts, Luther C.; Moore, William E.; Buntaine, James R.; an Brady, Robert V., 4,865,944, Cl. 430-495.000.

Brady, Stephen F.; and Nutt, Ruth F., to Merck & Co., Inc. Pepti having ANF activity. 4,816,443, 3-28-89, Cl. 514-13.000.

Brady, Thomas E.: *See—*

Alvarado, Sergio I.; Crews, Alvin D., Jr.; Wepplo, Peter J.; Doehner, Robert F., Jr.; Brady, Thomas E.; Gange, David M.; and Little, Desiree L., 4,883,914, Cl. 564-91.000.

Brady, Thomas R.: *See—*

Blackwood, Albert J.; and Brady, Thomas R., 4,873,203, Cl. 427-365.000.

Brady, William O. Portable marker line reeling apparatus. 4,852,822, 8-1-89, Cl. 242-96.000.

Braeger, Horst, to Nordischer Maschinenbau Rud. Baader GmbH & Co. KG. Apparatus for filleting fish. 4,825,510, 5-2-89, Cl. 17-57.000.

Braehler, Manfred; Rousek, Heinz; and Noll, Erwin, to Wella Aktiengesellschaft. Arrangement for carrying horizontally and vertically adjustable data processing devices. 4,817,903, 4-4-89, Cl. 248-419.000.

Braeken, Jozef: *See—*

van der Kolk, Cornelis E. M.; Van der Poel, Hendrik; and Braeken, Jozef, 4,888,056, Cl. 106-1.170.

Braem, Daniel; and Abdelgawad, Ahmed, to Fabriques de Tabac Reunies, S.A. Filter for a smoking article. 4,834,117, 5-30-89, Cl. 131-336.000.

Braemert, Peter: *See—*

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Braen, Henry P.: *See—*

Fazio, Dominick; and Braen, Henry P., 4,830,358, Cl. 271-296.000.

Braendel & Associates, Inc.: *See—*

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Braendel, Gregory G.; Goodwin, David M.; and Moore, Brian J., to Braendel & Associates, Inc. Cubicle. 4,881,353, 11-21-89, Cl. 52-239.000.

Braendle, Jurg G.; and Wolfgang, Saur, to Gurit-Essex AG. Vehicle window and a method of manufacturing the window. 4,879,853, 11-14-89, Cl. 52-208.000.

Braeuel, Michael T.: *See—*

Nadeau, Francois; and Braeuel, Michael T., 4,811,605, Cl. 73-645.000.

Braeutigam, Hans-Juergen: *See—*

Sekoulov, Ivan; and Braeutigam, Hans-Juergen, 4,883,594, Cl. 210-603.000.

Brafford, James M.; and Maeda, Ralph H., to Unisys Corporation. Quick-release spacer-latching-connector assembly. 4,844,565, 7-4-89, Cl. 312-107.500.

Braga, Umberto: *See—*

Malservisi, William; Righetti, Claudio; Nadalini, Raffaele; Braga, Umberto; and Romagnoli, Marino, 4,860,922, Cl. 221-6.000.

Bragard, Adolphe; Halleux, Jacques; Terreur, Frederic; and Defourny, Jacques. Process for marking the surface of a rolling mill. 4,806,731, 2-21-89, Cl. 219-121.690.

Bragard, Adolphe: *See—*

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Bragard, Adolphe A.: *See—*

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Bragas, Peter, to Robert Bosch GmbH. Radio receiver with two different traffic information decoders. 4,862,513, 8-29-89, Cl. 455-45.000.

Bragaw, Chester G., Jr.; Concannon, Thomas P.; and Davis, Robert F., to Du Pont de Nemours, E. I., and Company. Fluoropolymer laminates. 4,877,683, 10-31-89, Cl. 428-421.000.

Bragd, Goran, to Automatverktyg Herbert Bragd AB. Method and apparatus for measuring an object. 4,815,857, 3-28-89, Cl. 356-372.000.

Bragdon, Robert W.; and Gaudette, Roger R., to W. R. Grace & Co.-Conn. Hydantoins as animal food supplements. 4,871,552, 10-3-89, Cl. 426-2.000.

Bragg, Chris: *See—*

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Bragg, Dale E.; Clark, Mark A.; and Fleming, Randy G., to Halliburton Company. Apparatus for adding a selected additive into a mixture. 4,886,367, 12-12-89, Cl. 366-132.000.

Bragg, Dale E.: *See—*

Davis, Gail F.; Baker, Robert L.; Bragg, Dale E.; and Stegemoeller, Calvin L., 4,854,714, Cl. 366-132.000.

Bragg, Gordon M.; Carothers, Richard G.; MacLeod, Kenneth A.; and Nelson, Marvin D., to Honeywell Limited-Honeywell Limitee. Vortex valve flow controller in VAV systems. 4,817,863, 4-4-89, Cl. 236-49.400.

Bragg, Kenneth R., to Parker Hannifin Corporation. Explosion suppression system. 4,834,187, 5-30-89, Cl. 169-62.000.

Bragg, R. Douglas; and Weatherbee, H. Loyd, to Doug Bragg Enterprises Ltd. Apparatus for harvesting berries on low plants. 4,862,683, 9-5-89, Cl. 56-330.000.

Bragga, Laurence G. Shoe sole cleaning device. 4,823,426, 4-25-89, Cl. 15-210.00R.

Bragin, Alexander. Teaching and demonstration system. 4,832,605, 5-23-89, Cl. 434-168.000.

Braginetz, Paul A.; Leadbetter, Mark R.; and Peduto, Joseph A. Disposable shielded medical syringe. 4,883,471, 11-28-89, Cl. 604-195.000.

Braginetz, Paul A.; Leadbetter, Mark R.; and Peduto, Joseph. Disposable shield medical syringe. 4,888,002, 12-19-89, Cl. 604-195.000.

Braginetz, Paul A.: *See—*

Sweet, Lyle F., 4,807,674, Cl. 141-59.000.

Braginski, Aleksander I.: *See—*

Whitlow, Graham A.; Male, Alan T.; and Braginski, Aleksander I., 4,863,804, Cl. 428-555.000.

Braginsky, Sidney, to Primary Systems Corporation. Apparatus for inspecting wafers. 4,881,863, 11-21-89, Cl. 414-225.000.

Bragole, Robert A., to Worthen Industries, Inc. Method for bonding adhesives to polyolefin surfaces and the laminate formed thereby. 4,859,540, 8-22-89, Cl. 428-522.000.

Braham, R. Brian, to Northern Telecom Limited. Closure for telecommunications cable. 4,879,436, 11-7-89, Cl. 174-92.000.

Brahm, Brown, et al.: *See—*

Brahm, Leroy D.; Brown, Frank C.; Ciarlone, David F.; Dedrich, Mark R.; Hassall, James B.; and Salva, Fedor M., 4,865,801, Cl. 376-260.000.

Brahm, Jacques; Cornu, Pierre; Garnier, Pierre; Verlaeten, Jean; and Van Diest, Jacques, to SOLVAY & Cie (Societe Anonyme). Process for the production of calcium hypochlorite and product obtained by this process. 4,857,292, 8-15-89, Cl. 423-473.000.

Brahm, Leroy D.; Brown, Frank C.; Ciarlone, David F.; Dedrich, Mark R.; Hassall, James B.; and Salva, Fedor M., to Brahm, Brown, et al. Shielding device. 4,865,801, 9-12-89, Cl. 376-260.000.

Brahm, Richard: *See—*

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Brahmbhatt, Dhaval J., to ICT International CMOS Technology, Inc. EEPROM programming switch. 4,823,317, 4-18-89, Cl. 365-189.000.

Brahmbhatt, Dhaval J., to ICT International CMOS Technology, Inc. EEPROM programming switch operable at low VCC. 4,831,589, 5-16-89, Cl. 365-189.090.

Brahmbhatt, Dhaval J., to ICT International CMOS Technology, Inc. Improved logic cell array using CMOS E^2 PROM cells. 4,885,719, 12-5-89, Cl. 365-181.000.

Brahms, Martin, to Kabelmetal Electro Gesellschaft mit beschrankter Haftung. Circuit for protecting electronic devices against overload. 4,849,850, 7-18-89, Cl. 361-101.000.

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Braid, Dennis. Belt for use with a fishing rod. 4,817,323, 4-4-89, Cl. 43-21.200.

Braid, Milton; and Horodysky, Andrew G., to Mobil Oil Corporation. N-alkyl amides as friction-reducers for lubricants and fuels. 4,867,752, 9-19-89, Cl. 44-71.000.

Braig, Adalbert, to Ciba-Geigy Corporation. Phenolic corrosion inhibitors for coating materials. 4,818,777, 4-4-89, Cl. 524-83.000.

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Brain, Edward G., to Beecham Group p.l.c. 6-carbamade erythromycin derivatives. 4,826,820, 5-2-89, Cl. 514-29.000.

Brain Research, Inc.: *See—*

Bogoch, Samuel, 4,840,915, Cl. 436-530.000.

Brainard, Edward C., II, to Endeco Inc. Pressure vessel with improved external seal. 4,865,210, 9-12-89, Cl. 220-3.000.

Braintree Laboratories, Inc.: *See—*

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Brainwaves, Inc.: *See—*

Austrian, James A., 4,808,792, Cl. 219-271.000.

Braisted, Paul E.; and Eschenbach, Ralph F., to Trimble Navigation, Ltd. Global positioning system course acquisition code receiver. 4,847,862, 7-11-89, Cl. 375-1.000.

Braithwaite, Anthony, to Rolls-Royce plc. Gas turbine nozzles. 4,813,230, 3-21-89, Cl. 60-262.000.

Braithwaite, David, to Emhart Industries, Inc. Moulding mechanism for a glassware forming machine. 4,810,278, 3-7-89, Cl. 65-267.000.

Braithwaite, David; Douglas, Robert J.; Jones, Stanley P.; Poole, James P.; and Rawson, Harold, to International Partners in Glass Research. Manufacture of glassware articles of improved strength. 4,842,630, 6-27-89, Cl. 65-30.140.

Braithwaite, David, to Emhart Industries, Inc. Control of pusher mechanisms associated with a glassware forming machine. 4,868,471, 9-19-89, Cl. 318-567.000.

Braithwaite, Melvyn: *See—*

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Brajnovic, Izidor, to Nobelpharma AB. Spacer for dental implants. 4,872,839, 10-10-89, Cl. 433-173.000.

Brake, Anthony J., to Chiron Corporation. Secretory expression in eukaryotes. 4,870,008, 9-26-89, Cl. 435-70.000.

Brakelmann, Wolfgang, to Holstein und Kappert GmbH. Double seat valve with two valve disks. 4,856,551, 8-15-89, Cl. 137-312.000.

Brakels, Gerardus H. M.; and van den Nieuwelaar, Josephus, to Stork PMT B.V. Device for the selective transfer of slaughtered poultry, supplied on a conveyor track, to one or more discharge stations, under control of at least one grading station disposed along the discharge conveyor track. 4,813,101, 3-21-89, Cl. 17-11.000.

Brakeman, David B.: *See—*

Eberle, George F.; Bickel, Karl L.; and Brakeman, David B., 4,862,662, Cl. 52-299.000.

Brakenhoff, Godefridus J., to Stichting Voor De Technische Wetenschappen. Device for focusing electromagnetic waves or sound. 4,796,974, 1-10-89, Cl. 350-247.000.

Brakenhoff, Godefridus J., to Stitchting Voor De Techische Wetenschappen. Continuously variable microdiaphragm. 4,880,294, 11-14-89, Cl. 350-269.000.

Bram, Jeffry M., to Raytheon Company. Variable length instruction decoding apparatus having cross coupled first and second microengines. 4,890,218, 12-26-89, Cl. 364-200.000.
Braman, David P.; and Honer, A. Michael, to Brown & Sharpe Manufacturing Co. Method and apparatus for the tridimensional measuring of an object. 4,833,630, 5-23-89, Cl. 364-559.000.
Brambach, Johan A., to Schreiner Luchtvaart Groep B.V. Sandwich construction and a method of making a sandwich construction. 4,826,723, 5-2-89, Cl. 428-284.000.
Brambach, Johan A., to Schreiner Luchtvaartroep B.V. Sandwich material and the use thereof. 4,889,763, 12-26-89, Cl. 428-246.000.
Brambilla, Enzo; Mantegani, Sergio; Pegrassi, Lorenzo; Rossi, Alessandro; and Temperilli, Aldemio, to Farmitalia Carlo Erba S.p.A. Ergolinyl heterocycles for the treatment of Parkinson's disease and dyskinetic symptoms. 4,839,363, 6-13-89, Cl. 514-288.000.
Brambilla, Enzo: *See—*
Mantegani, Sergio; Brambilla, Enzo; Temperilli, Aldemio; Ruggieri, Daniela; and Salvati, Patricia, 4,859,678, Cl. 514-269.000.
Temperilli, Aldemio; Eccel, Rosanna; Brambilla, Enzo; and Salvati, Patricia, 4,801,588, Cl. 514-274.000.
Temperilli, Aldemio; Brambilla, Enzo; Gobbini, Mauro; and Cervini, Maria A., 4,843,073, Cl. 514-288.000.
Brambilla, Silvio, to Sicam Societa' Italiana Cuscini A Molle S.p.A. Method for the production of motor vehicle seats and seats obtained by this method. 4,875,736, 10-24-89, Cl. 297-440.000.
Brambilla, Silvio, to Sicam Societa' Italiana Cuscini A Molle S.p.A. Front seat for a motor vehicle having only two side doors. 4,880,268, 11-14-89, Cl. 296-65.100.
Bramblet, John W., to Rockford Controls Corporation. Eccentric segmented ball valves. 4,822,000, 4-18-89, Cl. 251-298.000.
Brame, Durward B. Earth surface hydrocarbon gas cloud detection by use of landsat data. 4,864,127, 9-5-89, Cl. 250-253.000.
Brame, William D., to Spray Sok Co., Inc. Disposable eye guard. 4,825,473, 5-2-89, Cl. 2-202.000.
Brame, William D. Tape leash. 4,856,149, 8-15-89, Cl. 24-3.00A.
Brame, William D. Quick release hook and loop fastener. 4,864,698, 9-12-89, Cl. 24-442.000.
Bramer, Manfred: *See—*
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Bramhall, Dan E.; and Kneebone, Ken L., to Fiberglass Engineering Incorporated. Hopper car cover. 4,821,648, 4-18-89, Cl. 105-377.000.
Bramhall, John S. Liposomal thermograph and methods for making and using same. 4,825,447, 4-25-89, Cl. 374-159.000.
Bramhall, Wesley G. Shooter's sunshade. 4,815,822, 3-28-89, Cl. 350-276.00R.
Brami, Max; and Mazarguil, Pierre. Method and equipment for making a rigid slab enabling to carry a building. 4,799,348, 1-24-89, Cl. 52-742.000.
Bramlage Gesellschaft mit beschraenkter Haftung: *See—*
Hackmann, Ludger; Pohlmann, Guenther; Seifert, Viktor; and Weid, Johannes, 4,832,229, Cl. 221-25.000.
Bramlette, T. Tazwell; and Keller, Jay O., to United States of America, Energy. Acoustically enhanced heat exchange and drying apparatus 4,805,318, 2-21-89, Cl. 34-57.00A.
Bramley, David F., to Marconi Company Limited, The. Sighting system. 4,878,752, 11-7-89, Cl. 356-152.000.
Bramley, Jenny, to United States of America, Army. Automatic secure transmission and reception of pictorial information. 4,821,321, 4-11-89, Cl. 380-54.000.
Bramley, Jenny, to United States of America, Army. Microwave-pumped atomic gas laser. 4,876,692, 10-24-89, Cl. 372-70.000.
Bramm, Gunter: *See—*
Ullrich, Georg J.; Pomorin, Karl-Heinz; Kronberg, Harald; Bramm, Gunter; Koschke, Peter; Novak, Pavel; and Gaab, Michael R., 4,805,634, Cl. 128-748.000.
Brammall, Inc.: *See—*
Smith, Gary I., 4,802,699, Cl. 292-327.000.
Brammall, Terrence N.: *See—*
Stevenson, David L.; Moore, Terry R.; and Brammall, Terrence N., 4,802,700, Cl. 292-327.000.
Brammer, Hans-Adolf: *See—*
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Brammer, Norman; and Jennings, Charles E., to Vetco Gray Inc. Guidelineless reentry system with fixed rollers. 4,823,878, 4-25-89, Cl. 166-341.000.
Brammer, Norman; and Jennings, Charles E., to Vetco Gray Inc. Guidelineless reentry system with nonrotating funnel. 4,823,879, 4-25-89, Cl. 166-341.000.
Brampton Enterprises, Inc.: *See—*
Leach, Richard M.; and Miles, David W. B., 4,862,639, Cl. 49-122.000.
Bramstedt, David; and Rozek, Roy J., to Thomas Industries, Inc. Diaphragm compressor. 4,842,498, 6-27-89, Cl. 417-571.000.
Bramstedt, Gerd; Love, Mahlon L.; and Hennen, John J., to Deere & Company. Fluid actuated clutch having fluid slip fitting safety interlock. 4,838,011, 6-13-89, Cl. 56-11.700.
Bran Ferren Corporation, The: *See—*
Ferren, Bran; Cullum, Phillip; Harrison, Charles F.; and Wisner, Kenneth R., 4,815,694, Cl. 251-25.000.
Bran & Luebbe GmbH: *See—*
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Bran, Mario E., to Verteq, Inc. Cleaning apparatus. 4,804,007, 2-14-89, Cl. 134-184.000.
Bran, Mario E. Megasonic cleaning apparatus. 4,869,278, 9-26-89, Cl. 134-184.000.
Brana, Miguel F.; Berlanga, Jose M. C.; Keilhauer, Gerhard; and Schlick, Erich, to Knoll AG. Bisnaphthalimides. 4,874,863, 10-17-89, Cl. 540-99.000.
Branam, Timothy R.; Roberts, Jeffrey J.; and Schoenberger, Jack O., to General Physics Corporation. Method and apparatus for monitoring and measuring dynamic loads in thrust inducing systems. 4,856,327, 8-15-89, Cl. 73-168.000.
Branan, John M.: *See—*
Naron, Steven E.; Branan, John M.; and Marin, Gerald A. 4,807,224, Cl. 370-94.000.
Branc, Joseph R.; Merchant, Thomas J.; Miller, William L.; and Pisczak, Philip J., to Allen-Bradley Company, Inc. Disc drive isolation system. 4,831,476, 5-16-89, Cl. 360-97.020.
Branca, Quirico; Jaunin, Roland; Maki, Hans P.; Marti, Franzi; and Ramuz, Henri, to Hoffmann-La Roche Inc. Tetrahydronaphthalene derivatives as calcium antagonists. 4,808,605, 2-28-89, Cl. 514-394.000.
Brancaccio, Aldo: *See—*
Boccalon, Gianfranco; Pelacani, Alberto; Tigani, Giuseppe; and Brancaccio, Aldo, 4,832,990, Cl. 427-388.100.
Brancati, Rudolf P., to Nynex Corporation. Armored cord handset. 4,837,815, 6-6-89, Cl. 379-438.000.
Brancati, Rudolph P., to Nynex Corporation. Bracket for armored cord. 4,885,774, 12-5-89, Cl. 379-438.000.
Branch, Clive L.; and Kaura, Arun C., to Beecham Group plc. Cephem compounds. 4,835,150, 5-30-89, Cl. 514-201.000.
Branch, Wilma J. Sanitary menses panty. 4,813,950, 3-21-89, Cl. 604-396.000.
Brancher, Rodney E.: *See—*
Kolvites, Albert; and Brancher, Rodney E., 4,811,670, Cl. 108-107.000.
Brand, Bernhard; and Richter, Bruno, to Dipl.-Ing. Bruno Richter GmbH & Co. Method and apparatus for measuring the wall thickness of transparent objects. 4,822,171, 4-18-89, Cl. 356-382.000.
Brand, Daniel: *See—*
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Brand, Donald L.: *See—*
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Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens, George T.; and Marsh, Richard A. to General Motors Corporation. Control method for protecting a viscous converter clutch in a motor vehicle drivetrain. 4,826,082, 5-9-89, Cl. 192-3.300.
Brand, Gary J.: *See—*
Marsh, Richard A.; Brand, Gary J.; Poirier, David C.; Phillips, Dale L.; and Hamade, Sami M., 4,809,660, Cl. 123-417.000
Brand, Hans-Wolfgang: *See—*
Klee, Mareike K.; and Brand, Hans-Wolfgang, 4,859,446, Cl. 423-598.000.
Brand, Jack. Felt member as a technical accessory and process and apparatus for the manufacture thereof. 4,795,663, 1-3-89, Cl. 427-296.000.
Brand, Johannes, to Akzo N.V. Preparation of a (co)polymerizable composition containing a diol bis(allyl carbonate) monomer and a process by which this composition is (co)polymerized. 4,801,067, 1-31-89, Cl. 526-213.000.
Brand, Klaus-Peter; Kopainsky, Jurgen; and Wittwer, Fritz, to BBC Brown Boveri AG. Digital measuring instrument. 4,878,105, 10-31-89, Cl. 364-572.000.
Brand, Larry M., to Procter & Gamble Company, The. Pharmaceutical products providing enhanced analgesia. 4,812,446, 3-14-89, Cl. 514-165.000.
Brand, Marc I.; Lash, Kenneth E.; and Torres, Brenda A., to Brand, Marc I. In-home emergency assist device. 4,829,285, 5-9-89, Cl. 340-573.000.
Brand, Mordechai: *See—*
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Heitmann, Uwe; and Brand, Peter, 4,869,273, Cl. 131-84.300.
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Hensgen, Gerhard; Heitmann, Uwe; Brand, Peter; and Pinck, Peter, 4,860,772, Cl. 131-84.100.
Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, to Degussa Aktiengesellschaft. Device for the containment of monolithic catalysts. 4,814,146, 3-21-89, Cl. 422-179.000.
Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, to Degussa Aktiengesellschaft. Apparatus for the containment of monolithic catalysts. 4,859,428, 8-22-89, Cl. 422-179.000.
Brand Scaffold Services, Ltd.: *See—*
Fowler, Ronald E.; Voss, Jeffrey L.; and Cain, Stephen D. 4,858,890, Cl. 254-335.000.
Brand Technologies: *See—*
Brunnett, Donald; and Desai, Ashok K., 4,831,470, Cl. 360-75.000.
Brand, Uwe; De Decker, Emile; Deuker, Ernst; Fuchs, Hugo; Karner, Klaus; Neubauer, Gerald; and Oostvogels, Jozef, to BASF Aktiengesellschaft. Removal of water-immiscible solvents from offgases containing same. 4,804,473, 2-14-89, Cl. 210-634.000.
Brand, Uwe; Schmitz, Ruediger; Deuker, Ernst; and Fuchs, Hugo, to BASF Aktiengesellschaft. Neutralization of reaction mixtures obtained by Beckman rearrangement of cyclohexanone oxime. 4,806,638, 2-21-89, Cl. 540-540.000.

Brandao, Ruy L.; Baran, Henri; Manseur, Arezki; and Sweet, Steven R., to Allied-Signal Inc. Crystal controlled magnetron. 4,809,004, 2-28-89, Cl. 342-199.000.
Brandao, Ruy L.; Kyriakos, Constantinos S.; Spires, Randall C.; and Jugs, Andrejs, to Allied-Signal Inc. TCAS bearing estimation receiver using a 4 element antenna. 4,855,748, 8-8-89, Cl. 342-455.000.
Brandau, Steven G.: *See—*
Schmidt, Randy P.; Brandau, Steven G.; Miller, James A.; and Stephenson, Dwight B., 4,821,514, Cl. 60-452.000.
Brande, David, to Cincinnati Milacron, Inc. Grease seal for a power screw system. 4,795,172, 1-3-89, Cl. 277-165.000.
Brandeau, Edward P. Method and apparatus for terminating thin, flat power cable, particularly for under carpet use. 4,794,691, 1-3-89, Cl. 29-861.000.
Brandeau, Edward P., to Electronic Interconnections Corp. Flat cable connector having improved contact system. 4,829,668, 5-16-89, Cl. 29-861.000.
Brandeis University: *See—*
Perlman, Daniel, 4,801,529, Cl. 435-5.000.
Perlman, Daniel, 4,812,648, Cl. 250-255.000
Perlman, Daniel, 4,851,702, Cl. 250-507.100.
Perlman, Daniel, 4,859,423, Cl. 422-102.000.
Perlman, Daniel, 4,877,585, Cl. 422-100.000.
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Perlman, Daniel, 4,883,644, Cl. 422-104.000.
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Brandell, John R., to Ronlund Sports Products, Inc. Exercise device providing varied and predetermined resistance. 4,872,671, 10-10-89, Cl. 272-137.000.
Brandell, John T.; and Giroux, Richard L., to Halliburton Company. Sliding sleeve casing tool. 4,880,059, 11-14-89, Cl. 166-332.000.
Brandemuehl, Michael J.; and Reason, John R., to Carrier Corporation. Control apparatus for refrigerated cargo container. 4,875,341, 10-24-89, Cl. 62-115.000.
Brandenberg, Urs; and Seitz, Thomas, to LGZ Landis & Gyr Zug AG. Transformer system for measuring electrical current. 4,810,989, 3-7-89, Cl. 336-84.00M.
Brandenburg, Bruce L.; Cooley, Curtis D.; and Ellis, Claude E., to Zimpro/Passavant Inc. Process for treating caustic cyanide metal wastes. 4,812,243, 3-14-89, Cl. 210-761.000.
Brandenburg, Ulrich: *See—*
Hager, Jorg; Ghyczy, Miklos; Feyen, Vincent; Imberge, Paul; Brandenburg, Ulrich; and Wilperath, Peter, 4,874,553, Cl. 260-403.000.
Brandenburger, Alan K.; and Widly, John R. Apparatus for removing marine growth from pylons. 4,809,381, 3-7-89, Cl. 15-1.700.
Brandener, Louis, to Societe Jacques Dubois. Flexible exhaust coupling. 4,863,200, 9-5-89, Cl. 285-234.000.
Brandenstein, Manfred; Ernst, Horst M.; Haas, Roland; Neder, Gunter; and Stork, Josef, to SKF GmbH. Pivot mounted roller. 4,818,124, 4-4-89, Cl. 384-208.000.
Brandenstein, Manfred; Haas, Roland; Friedrich, Wolfgang; and Herrmann, Gerhard, to SKF GmbH. Swivel bearing for braking devices. 4,872,768, 10-10-89, Cl. 384-223.000.
Brandenstein, Manfred; and Kober, Jurgen, to SKF GmbH. Tension arrangement for transmission belts. 4,878,885, 11-7-89, Cl. 474-135.000.
Brandenstein, Manfred; and Hetterich, Herrmann, to SKF GmbH. Method for installing bearing rings. 4,888,862, 12-26-89, Cl. 29-148.40A.
Brandenstein, Manfred; Herrmann, Gerhard; and Haas, Roland, to SKF GmbH. Tension device for drive belt. 4,889,520, 12-26-89, Cl. 474-135.000.
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Haas, Roland; Mause, Elmar; Buchelmaier, Hans-Joachim; and Brandenstein, Manfred, 4,865,469, Cl. 384-478.000.
Winkler, Otmar; Brandenstein, Manfred; and Hans, Rudiger, 4,822,008, Cl. 267-74.000.
Brander, Richard: *See—*
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Anderson, James R.; and Brander, Richard, 4,876,499, Cl. 323-312.000.
Brandes, Hal M., to Picturemates Corporation. Picture frame formed from unitary blank. 4,885,854, 12-12-89, Cl. 40-152.100.
Brandes, Henning F., to Interconnection Products Incorporated. Electrical connector retaining ratchet. 4,820,184, 4-11-89, Cl. 439-321.000.
Brandes, Karlheinz K.; Kukes, Simon G.; and Davis, Thomas, to Phillips Petroleum Company. Hydrogenation process of unsaturated hydrocarbons employing impregnated alumina containing material. 4,824,556, 4-25-89, Cl. 208-143.000.
Brandes, Karlheinz K.; Kukes, Simon G.; and Davis, Thomas, to Phillips Petroleum Company. Impregnated alumina-containing material. 4,831,004, 5-16-89, Cl. 502-220.000.
Brandes, Karlheinz K.: *See—*
Kukes, Simon G.; Davis, Thomas; and Brandes, Karlheinz K., 4,814,315, Cl. 502-200.000.
Kukes, Simon G.; and Brandes, Karlheinz K., 4,820,676, Cl. 502-220.000.
Brandes, Lorne J.; and Hermonat, Mark W., to University of Manitoba, The. Aminoalkyl ethers of phenols as anticancer agents for the breast and colon. 4,803,227, 2-7-89, Cl. 514-651.000.
Brandes, Lorne J.; and Glavin, Gary B., to University of Manitoba. Treatment of disorders of the gastro-intestinal tract. 4,829,068, 5-9-89, Cl. 514-239.200.
Brandes, Wilhelm; Reinecke, Paul; Kaspers, Helmut; Scheinpflug, Hans; and Stetter, Jorg, to Bayer Aktiengesellschaft. Fungicidal active compound combinations. 4,803,214, 2-7-89, Cl. 514-383.000.
Brandes, Wilhelm; Kaspers, Helmut; Scheinpflug, Hans; and Holmwood, Graham, to Bayer Aktiengesellschaft. Fungicidal active compound combinations. 4,831,048, 5-16-89, Cl. 514-383.000.
Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, to Bayer Aktiengesellschaft. Fungicidal agents. 4,845,111, 7-4-89, Cl. 514-383.000.
Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, to Bayer Aktiengesellschaft. Fungicidal agents. 4,845,112, 7-4-89, Cl. 514-383.000.
Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, to Bayer Aktiengesellschaft. Fungicidal compositions. 4,849,440, 7-18-89, Cl. 514-383.000.
Brandes, Wilhelm; Kaspers, Helmut; Reinecke, Paul; Scheinpflug, Hans; and Kramer, Wolfgang, to Bayer Aktiengesellschaft. Mixture of fungicidal agents. 4,888,349, 12-19-89, Cl. 514-383.000.
Brandes, Wilhelm: *See—*
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Fest, Christa; Hanssler, Gerd; and Brandes, Wilhelm, 4,859,235, Cl. 71-103.000.
Fest, Christa; Findeisen, Kurt; Brandes, Wilhelm; Dutzmann, Stefan; Hanssler, Gerd; and Reinecke, Paul, 4,886,832, Cl. 514-477.000.
Gayer, Herbert; Jelich, Klaus; Lunkenheimer, Winfried; Brandes, Wilhelm; and Hanssler, Gerd, 4,886,833, Cl. 514-521.000.
Heinemann, Ulrich; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,849, Cl. 514-269.000.
Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Paul, Volker, 4,797,499, Cl. 549-559.000.
Holmwood, Graham; Weissmuller, Joachim; Brandes, Wilhelm; and Reinecke, Paul, 4,840,961, Cl. 514-399.000.
Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,843,088, Cl. 514-383.000.
Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Lurssen, Klaus, 4,868,196, Cl. 514-383.000.
Holmwood, Graham; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; and Brandes, Wilhelm, 4,871,390, Cl. 71-92.000.
Jager, Gerhard; Jautelat, Manfred; Arlt, Dieter; Reinecke, Paul; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,865, Cl. 514-399.000.
Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.
Jelich, Klaus; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,864,029, Cl. 548-247.000.
Knops, Hans-Joachim; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; and Reinecke, Paul, 4,797,412, Cl. 514-383.000.
Kramer, Wolfgang; Weissmuller, Joachim; Reiser, Wolf; Berg, Dieter; Brandes, Wilhelm; and Reinecke, Paul, 4,826,857, Cl. 514-326.000.
Kramer, Wolfgang; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,847,278, Cl. 514-383.000.
Kuhle, Engelbert; Paulus, Wilfried; Genth, Hermann; Reinecke, Paul; Hanssler, Gerd; and Brandes, Wilhelm, 4,798,905, Cl. 560-16.000.
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Regel, Erik; Bockmann, Klaus; Buchel, Karl H.; Lurssen, Klaus; Brandes, Wilhelm; Konze, Jorg; and Reinecke, Paul, 4,875,928, Cl. 71-92.000.
Weissmuller, Joachim; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,804,406, Cl. 71-121.000.
Wollweber, Detlef; Brandes, Wilhelm; Dutzmann, Stefan; and Hanssler, Gerd, 4,849,435, Cl. 514-34. 000.
Brandestini, Marco; and Moermann, Werner H. Method and apparatus for the three-dimensional registration and display of prepared teeth. 4,837,732, 6-6-89, Cl. 364-413.280.
Brandi, Roberto; and De Meio, Apollonio, to AGIP, S.p.A. Reversible mechanical coupling, particularly for tensional anchorages. 4,859,117, 8-22-89, Cl. 405-224.000.
Brandin, Jan: *See—*
Odenbrand, Ingemar; Brandin, Jan; Andersson, Lars; and Lundin, Sten, 4,847,058, Cl. 423-239.000.
Brandis, Curt; Schulze-Buxloh, Heinrich; and Pirags, Siegfried, to Maschinenfabrik Scharf GmbH. Linear motor driven railway car. 4,794,866, 1-3-89, Cl. 104-292.000.
Brandis, Curt; Schulze-Buxloh, Heinrich; and Pirags, Siegfried, to Maschinenfabrik Scharf GmbH. Linear motor driven conveying installation and braking device therefor. 4,819,564, 4-11-89, Cl. 104-292.000.

- Brandis, Helmut: *See—*
  - Bohnke, Kurt; Brandis, Helmut; Domalski, Hans-Heinrich; Fleischer, Hans-Joachim; and Frinken, Heinrich, 4,859,649, Cl. 502-439.000.
- Brandiser, Herbert: *See—*
  - Link, Christoph; and Brandiser, Herbert, 4,856,156, Cl. 29-115.000.
- Brandl, Erich: *See—*
  - Zitz, Alfred; and Brandl, Erich, 4,875,738, Cl. 299-80.000.
- Brandle, Charles D., Jr.; Fratello, Vincent J.; and Valentino, Alejandro J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Growth of congruently melting gadolinium scandium gallium garnet. 4,802,180, 1-31-89, Cl. 372-41.000.
- Brandle, Charles D., Jr.: *See—*
  - Berkstresser, George W.; and Brandle, Charles D., Jr., 4,835,437, Cl. 313-468.000.
- Brandli, Duane L. Athletic field marker. 4,832,331, 5-23-89, Cl. 272-3.000.
- Brandmaier, Klaus: *See—*
  - Jans, Herbert; Brandmaier, Klaus; and Pohl, Siegfried, 4,860,344, Cl. 379-113.000.
- Brandner, Burkhard: *See—*
  - Bergmann, Horst; Daudel, Helmut; Brandner, Burkhard; and Klueppel, Klemens, 4,843,558, Cl. 364-431.030.
- Brando, Akira: *See—*
  - Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, 4,816,696, Cl. 290-52.000.
- Brandolf, Henry E. Wraparound closure for conduit protection. 4,802,509, 2-7-89, Cl. 138-110.000.
- Brandolino, Fiore: *See—*
  - Alberico, Joseph S.; Corsetti, Carmine; and Brandolino, Fiore, 4,819,687, Cl. 137-367.000.
- Brandon, Jean-Francois: *See—*
  - Fabbri, Marcel, deceased; Fabbri-Ollinger, Marie O. P., legal representative; Brandon, Jean-Francois; Colette, Claude; and Weichlein, Bernard, 4,809,702, Cl. 128-661.070.
- Brandon, John M.: *See—*
  - Huliba, David A.; Beard, James W.; and Brandon, John M., 4,811,035, Cl. 346-75.000.
  - McCann, James D.; Young, Lawrence R.; and Brandon, John M., 4,875,055, Cl. 346-75.000.
- Brandon, Malcolm R.: *See—*
  - Patroni, Joseph J.; and Brandon, Malcolm R., 4,797,474, Cl. 530-351.000.
- Brandon, Phillip J. Pill container calendar. 4,889,237, 12-26-89, Cl. 206-534.000.
- Brandon, Ralph E.; Yau, Ben J.; and Helwig, Gregory S., to Owens-Corning Fiberglas Corporation. Glass mat comprising textile and wool fibers. 4,849,281, 7-18-89, Cl. 428-280.000.
- Brandon, Richard L.: *See—*
  - Schwab, Gerhart; and Brandon, Richard L., 4,857,406, Cl. 428-402.220.
- Brandriff, Kristen: *See—*
  - Bannister, A. Karen; Brandriff, Kristen; Carlotto, John A.; DiDonato, Richard J.; Haigh, Virginia; and Sirois, Edmond, 4,796,443, Cl. 63-14.500.
- Brands, Mayke A., to Polygram International Holding B.V. Support or storage case for aligning a magnetic-tape cassette. 4,865,195, 9-12-89, Cl. 206-387.000.
- Brandsema, Wiebrand-Anno; and Kuipers, Boeli, to Arend B.V. Apparatus and system for draining whey from cheese curd for manufacturing cheese. 4,811,658, 3-14-89, Cl. 99-455.000.
- Brandsma, Johannes: *See—*
  - Van Dijk, Cornelis D.; Brandsma, Johannes; and De Wild, Willem R., 4,818,210, Cl. 425-411.000.
- Brandstadter, Manfred: *See—*
  - Baumgartner, Hans; Sudbeck, Rainer; Henke, Ulrich; and Brandstadter, Manfred, 4,794,904, Cl. 123-564.000.
  - Baumgartner, Hans; Henke, Ulrich; Brandstadter, Manfred; Heikrodt, Klaus; and Schneider, Herbert, 4,822,260, Cl. 417-440.000.
  - Baumgartner, Hans; Brandstadter, Manfred; and Henke, Ulrich, 4,840,550, Cl. 418-150.000.
- Brandstetter, Franz; Echte, Adolf; Haaf, Franz; and Naarmann, Herbert, to BASF Aktiengesellschaft. Impact resistant thermoplastic molding materials. 4,866,129, 9-12-89, Cl. 525-92.000.
- Brandstetter, Robert W., to Warner & Swasey Company, The. Joystick for three axis control of a powered element. 4,795,952, 1-3-89, Cl. 318-560.000.
- Brandstetter, Robert W.; Fonneland, Nils J.; and Grieve, Philip G., to Grumman Aerospace Corporation. Cascaded optical notching system. 4,884,867, 12-5-89, Cl. 350-162.120.
- Brandstetter, Rudi: *See—*
  - Baur, Siegfried; Brandstetter, Rudi; and Roos, Gerhard, 4,821,552, Cl. 72-351.000.
- Brandt, Alan E.; and Uemura, Morito, to Konishiroku Photo Industry Co., Ltd. Monoclonal antibodies specific to glactosyltransferase isoenzyme II and their use in cancer immunoassays. 4,797,356, 1-10-89, Cl. 435-7.000.
- Brandt & Associates, Inc.: *See—*
  - Brandt, Robert H.; and Hoodlebrink, Merlin P., 4,865,724, Cl. 210-104.000.
- Brandt, Bernd: *See—*
  - Kreher, Alfons; Nagel, Werner; Brandt, Bernd; and Peters, Albert, 4,807,819, Cl. 241-222.000.
- Brandt, Carl B.: *See—*
  - Radesky, Joseph A.; Brandt, Carl B.; Thomas, Gerald A.; and Aksins, William E., 4,856,225, Cl. 43-81.000.
- Brandt, Charles M.; Denhoff, Donald P.; Everett, C. Joe; Murray, Donald F.; and Wilson, William H., to Pioneer/Eclipse Corporation. Stackable bottle. 4,805,793, 2-21-89, Cl. 215-10.000.
- Brandt, Claude R., to West Mountain Sales, Inc. Snow grooming vehicle and attachments. 4,815,223, 3-28-89, Cl. 37-224.000.
- Brandt, Claude R. Snow grooming vehicle and attachments. 4,860,465, 8-29-89, Cl. 37-221.000.
- Brandt, Claus-Dieter: *See—*
  - Hagen, Werner; Brandt, Claus-Dieter; and Mahrt, Gerd, 4,817,414, Cl. 73-25.000.
- Brandt, David L.; and Doyle, Ralph R., to Buehler Ltd. Abrasive cutting wheel system. 4,827,672, 5-9-89, Cl. 51-165.900.
- Brandt, George W., to American Standard Inc. Discharge valve for compressor. 4,811,757, 3-14-89, Cl. 137-514.500.
- Brandt, Hans-Walter: *See—*
  - Arlt, Dieter; Schwartz, Ulrich; Brandt, Hans-Walter; Arlt, Wolfgang; and Nickel, Andreas, 4,874,473, Cl. 203-1.000.
- Brandt, Hermann: *See—*
  - Muehlbach, Klaus; Portugall, Michael; Ruppmich, Karl; Seiler, Erhard; and Brandt, Hermann, 4,868,235, Cl. 524-252.000.
- Brandt, Horst: *See—*
  - Kaspar, Vaclav; Baecker, Manfred; Brandt, Horst; Grimmelikhuizen, Friedrich; and Wolf, Karlheinz, 4,846,409, Cl. 241-21.000.
- Brandt, Inc.: *See—*
  - Nichelson, William; Groff, Gordon H.; and Jones, Paul C., 4,796,878, Cl. 271-10.000.
  - Taylor, John B., 4,860,537, Cl. 60-226.100.
  - Taylor, Lawrence D., 4,799,185, Cl. 364-900.000.
  - Winkler, Theodore; and Burger, Fredric W., 4,877,230, Cl. 271-3.000.
- Brandt, Lennart H., to AB Volvo Penta. Propeller drive for boats. 4,840,136, 6-20-89, Cl. 440-78.000.
- Brandt, Michael, to SLT North America Inc. Film made from a weldable polymer material with projections. 4,885,201, 12-5-89, Cl. 428-143.000.
- Brandt, Michael D.; and Mermoud, Francois, to American Air Liquide. Gas generating device. 4,849,174, 7-18-89, Cl. 422-62.000.
- Brandt, Nils G. L.; and Thelin, Anders G., to Sandvik AB. Ceramic cutting tool with improved toughness behavior. 4,849,381, 7-18-89, Cl. 501-89.000.
- Brandt, Nils G. L.; and Byhlin, Ake B., to Sandvik AB. Cemented carbonitride alloy with improved plastic deformation resistance. 4,857,108, 8-15-89, Cl. 75-238.000.
- Brandt, Nils G. L.; and Senesan, Zeljka D., to Sandvik AB. Ceramic cutting tool reinforced by whiskers. 4,867,761, 9-19-89, Cl. 51-309.000.
- Brandt, Nils G. L.; and Byhlin, Ake B., to Sandvik AB. Cemented carbonitride alloy with improved plastic deformation resistance. 4,885,132, 12-5-89, Cl. 419-15.000.
- Brandt, Ragnhild K.; and Hedlof, Margareta E., to Pharmacia AB. Method for determining hyaluronic acid, and a reagent kit for said method. 4,826,776, 5-2-89, Cl. 436-501.000.
- Brandt, Randy L.: *See—*
  - Arabia, F. Gene; Shkedi, Zvi; and Brandt, Randy L., 4,876,892, Cl. 73-718.000.
- Brandt, Raymond W. Sliding safety mechanism for projectile weapons. 4,841,656, 6-27-89, Cl. 42-70.060.
- Brandt, Richard L.: *See—*
  - Duppong, Denis E.; Dvorsky, James R.; Mick, David M.; Brandt, Richard L.; and Rieck, Leland M., 4,796,029, Cl. 342-13.000.
- Brandt, Robert: *See—*
  - Fenton, Ronald L.; and Brandt, Robert, 4,887,579, Cl. 123-525.000.
- Brandt, Robert H.; and Hoodlebrink, Merlin P., to Brandt & Associates Inc. Metal working machine liquid filtering device with coalescer filter, and time delayer. 4,865,724, 9-12-89, Cl. 210-104.000.
- Brandt, Robert H.: *See—*
  - Bastian, John M.; and Brandt, Robert H., 4,826,117, Cl. 248-188.200.
- Brandt, Ronald L.: *See—*
  - Althouse, Rickie M.; Baer, Richard I.; and Brandt, Ronald L., 4,889,502, Cl. 439-607.000.
- Brandt, Rune; and Nordman, Robert, to Hewlett-Packard Company. Interface for liquid chromatography-mass spectrometry systems. 4,863,491, 9-5-89, Cl. 55-15.000.
- Brandt, Udo: *See—*
  - Siegmeier, Rainer; Grund, Andreas; Prescher, Gunter; and Brandt, Udo, 4,851,556, Cl. 549-525.000.
- Branemark, Per-Ingvar; and Albrektsson, Bjorn. Joint prothesis. 4,838,891, 6-13-89, Cl. 623-20.000.
- Brangs, Eckhard: *See—*
  - Wolfgang, Michael; Mikusch, Gerald; and Brangs, Eckhard, 4,823,587, Cl. 72-405.000.
- Branham Industries, Inc.: *See—*
  - Hashimoto, Tom T., 4,828,050, Cl. 175-45.000.
  - Hashimoto, Tom T., 4,837,992, Cl. 52-118.000.
- Branick Industries, Inc.: *See—*
  - Goodell, Rick B., 4,827,623, Cl. 33-288.000.
- Brannen, Joshua O., III: *See—*
  - Raythatha, Rasik H.; and Brannen, Joshua O., III, 4,818,294, Cl. 106-487.000.
- Branner, George K.: *See—*
  - Murray, Richard A.; White, John; and Branner, George K., 4,843,406, Cl. 346-1.100.

- Brannigan, Patrick M.: *See—*
  - Kee, William C.; Brannigan, Patrick M.; and Clarke, Cornelius B., 4,857,008, Cl. 439-352.000.
- Brannon, Cecil R. Fish stringer with holder. 4,830,244, 5-16-89, Cl. 224-103.000.
- Brannon, Harold D.; Hodge, Richard M.; and England, Kevin W., to Dowell Schlumberger Incorporated. High temperature guar-based fracturing fluid. 4,801,389, 1-31-89, Cl. 252-8.551.
- Brannon, Harold D.: *See—*
  - Constien, Vernon G.; and Brannon, Harold D., 4,828,034, Cl. 166-308.000.
- Brannon, Paul J.: *See—*
  - Ashby, Carol I. H.; Brannon, Paul J.; and Gerardo, James B., 4,838,989, Cl. 156-628.000.
- Brannon, Roland. Live bait dispenser. 4,825,577, 5-2-89, Cl. 43-55.000.
- Brannstrom, Olav H.: *See—*
  - Skillen, John D.; Coons, Melvin S.; and Brannstrom, Olav H., 4,800,681, Cl. 49-440.000.
- Brannstrom, Roine, to Asea Stal AB. Pressure-reducing device for particulate material. 4,802,796, 2-7-89, Cl. 406-141.000.
- Brannstrom, Roine; Lindblad, Evert; Malmkvist, Leopold; Mansson, Martin; and Thoren, Mats, to Asea Stal AB. Fluidized bed power plant with bed material crusher. 4,848,276, 7-18-89, Cl. 122-4.00D.
- Brannstrom, Roine, to ABB Stal AB. Power plant with drying means for fuel. 4,860,536, 8-29-89, Cl. 60-39.464.
- Branover, Herman; and Sukoriansky, Semion, to Solmecs Corporation N.V. Method and apparatus for modification of the rate of heat or mass transfer in a stream of liquid metal. 4,828,610, 5-9-89, Cl. 75-10.160.
- Branovich, Louis E.; Freeman, Gerard L.; and Smith, Bernard, to United States of America, Army. Method of making a cathode from tungsten and iridium powders using a bariumaluminoiridiate as the impregnant. 4,808,137, 2-28-89, Cl. 445-50.000.
- Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., to United States of America, Army. Method of making a cathode from tungsten and iridium powders using a barium peroxide containing material as the impregnant. 4,818,480, 4-4-89, Cl. 419-27.000.
- Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., to United States of America, Army. Method of making a cathode from tungsten and iridium powders using a barium iridiate formed from barium peroxide and iridium oxide as the impregnant. 4,840,767, 6-20-89, Cl. 419-27.000.
- Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., to United States of America, Army. Method of making a long life high current density cathode from tungsten and iridium powders using a low melting point impregnant. 4,863,410, 9-5-89, Cl. 445-50.000.
- Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., to United States of America, Army. Method of making a cathode from tungsten and aluminum powders. 4,872,864, 10-10-89, Cl. 445-50.000.
- Branscomb Corporation N.V.: *See—*
  - Sullivan, Leroy J., 4,829,904, Cl. 102-439.000.
- Branscome, Larry W., to Eastman Kodak Company. Poly(1,4-cyclohexylene dimethylene terephthalate) molding compositions. 4,837,254, 6-6-89, Cl. 523-455.000.
- Branden, Antony S.; Megaw, John H. P. C.; Terry, Malcolm J.; and Ward, Brooke A., to Wiggins Teape Group Limited, The. Laser apparatus for repetitively marking a moving sheet. 4,874,919, 10-17-89, Cl. 219-121.680.
- Branson, Charles N., to Texas Instruments Incorporated. Variable frequency microprocessor clock generator. 4,819,164, 4-4-89, Cl. 364-200.000.
- Branson, Mark, to KCL Corporation. Reclosable flexible container having interior and exterior closure elements interlocked on the container walls. 4,796,300, 1-3-89, Cl. 383-63.000.
- Branson, Mark E., to KCL Corporation. Recloseable bag with pivotable fastener profiles. 4,863,286, 9-5-89, Cl. 383-63.000.
- Branson, Terry L.: *See—*
  - Hirth, Gregory; and Branson, Terry L., 4,804,124, Cl. 226-74.000.
  - Hirth, Gregory; and Branson, Terry L., 4,836,431, Cl. 226-74.000.
- Branson Ultrasonics Corporation: *See—*
  - Wolcott, Jeffrey S., 4,859,378, Cl. 264-23.000.
- Branstetter, Ronald L.; and Edgar, Reuben W., Jr., to Nippon Colin Co., Ltd. Noninvasive reflectance oximeter. 4,796,636, 1-10-89, Cl. 128-633.000.
- Branstetter, Ronald L.: *See—*
  - Gilstad, Dennis W.; Branstetter, Ronald L.; and Hill, Ralph H., Jr., 4,852,579, Cl. 128-665.000.
  - Jaeb, Jonathan P.; Gilstad, Dennis W.; and Branstetter, Ronald L., 4,880,304, Cl. 356-41.000.
- Branston, Randolph E.: *See—*
  - Martin, Trevor I.; Breton, Marcel P.; Branston, Randolph E.; Moffat, Karen A.; and Mychajlowskij, Walter, 4,855,209, Cl. 430-126.000.
- Brant, Edward J.; and Packard, Thomas N., to Pass & Seymour, Inc. Latching and release system for ground fault receptacle. 4,802,052, 1-31-89, Cl. 361-42.000.
- Brant, Edward J.; Packard, Thomas N.; and Fargeaud, Daniel A., to Pass & Seymour, Inc. Ground fault receptacle circuitry components. 4,831,496, 5-16-89, Cl. 361-394.000.
- Brant, Edward J., to Pass & Seymour, Inc. Mechanical assembly means for grand fault interrupter receptacle. 4,872,087, 10-3-89, Cl. 361-356.000.
- Brant, Ronald: *See—*
  - Allen, Francis; Creasey, James A.; and Brant, Ronald, 4,829,604, Cl. 2-170.000.
- Brantigan, John W. Prosthetic implant. 4,834,757, 5-30-89, Cl. 623-17.000.
- Brantigan, John W. Surgical prosthetic implant facilitating vertebral interbody fusion. 4,878,915, 11-7-89, Cl. 623-17.000.
- Brantl, Victor; Haselbarth, Volkmar; and Zierenberg, Bernd, to Boehringer Ingelheim KG. Therapeutic system. 4,826,686, 5-2-89, Cl. 424-448.000.
- Brantl, Victor, to Boehringer Ingelheim KG. Use of 6-allyl-2-amino-5,6,7,8-tetrahydro-4H-thiazol[5,4-d]azepine for releasing growth hormone. 4,851,408, 7-25-89, Cl. 514-215.000.
- Brantley, Randall F.; and McVey, Harry D., to General Motors Corporation. Battery handle adapter. 4,861,687, 8-29-89, Cl. 429-187.000.
- Brantley, William C., Jr.: *See—*
  - Anthony, John H.; Brantley, William C., Jr.; McAuliffe, Kevin P.; Norton, Vern A.; and Pfister, Gregory F., 4,885,680, Cl. 364-200.000.
- Brantmark, Hkan; Lindqvist, Ake; and Norefors, Ulf-Goran, to ASEA Aktiebolag. Control system for an industrial robot. 4,888,708, 12-19-89, Cl. 364-513.000.
- Brantner & Associates, Inc.: *See—*
  - Seilhan, Denton S., 4,801,277, Cl. 439-680.000.
- Branum, Leslie P.: *See—*
  - Leigh-Monstevens, Keith V.; Tury, Edward L.; Branum, Leslie P.; and Thoe, Gregg A., 4,817,468, Cl. 74-335.000.
  - Leigh-Monstevens, Keith V.; Branum, Leslie P.; and Barker, David C., 4,831,916, Cl. 92-129.000.
  - Leigh-Monstevens, Keith V.; and Branum, Leslie P., 4,856,282, Cl. 60-589.000.
- Branwer, Alexander: *See—*
  - Fish, Aaron M.; Matzeld, Leon; Branwer, Alexander; Miresmaili, Masoud; and Dausseine, Sean-Paul, 4,861,083, Cl. 292-347.000.
- Braquet, Pierre: *See—*
  - Godfroid, Jean-Jacques; Heymans, Francoise; and Braquet, Pierre, 4,888,337, Cl. 514-326.000.
  - Godfroid, Jean-Jacques; and Braquet, Pierre, 4,888,338, Cl. 514-336.000.
- Brar, Amarjit S.; Sherma, Jagdish P.; and Kaja, Suryanarayana, to Magnetic Peripherals Inc. Apparatus and methods for testing surface properties of a material. 4,821,578, 4-18-89, Cl. 73-827.000.
- Brar, Amarjit S.; Mims, Jimmie E.; and Sharma, Jagdish P., to Magnetic Peripherals Inc. Surface finishing for magnetic transducers. 4,837,923, 6-13-89, Cl. 29-603.000.
- Brar, Amarjit S.; Sharma, Jagdish P.; and Kaja, Suryanarayana, to Magnetic Peripherals Inc. Apparatus and methods for testing surface properties of a material. 4,860,572, 8-29-89, Cl. 73-12.000.
- Brar, Amarjit S.; and Sharma, Jagdish P., to Magnetic Peripherals, Inc. Surface treatment for sliders and carbon coated magnetic media. 4,863,809, 9-5-89, Cl. 428-623.000.
- Bras, Johan C. M., to SKF Industrial Trading & Development Co. B.V. Lubrication device. 4,799,574, 1-24-89, Cl. 184-27.100.
- Bras, Johan C. M., to SKF Industrial Trading and Development Co., B.V. Lubricating device. 4,836,334, 6-6-89, Cl. 184-45.100.
- Brasanti, Stefano, to I.C.C. Di Fiorucci Roberta. Chain transfer transmission for sports bicycles. 4,846,767, 7-11-89, Cl. 474-82.000.
- Brasch, William R.; and Favini, Carlo, to LeaRonal, Inc. Preparation of printed circuit boards by selective metallization. 4,847,114, 7-11-89, Cl. 427-96.000.
- Brasch, William R., to LeaRonal, Inc. Formaldehyde-free electroless copper plating solutions. 4,877,450, 10-31-89, Cl. 106-1.260.
- Braselton, Keith. Vibrating pole for moving a pad on a working surface. 4,829,719, 5-16-89, Cl. 51-180.000.
- Brash, Douglas: *See—*
  - Reddel, Roger R.; Yang, Ke; Rhim, Johng S.; Brash, Douglas; Su, Robert T.; Lechner, John F.; Gerwin, Brenda I.; Harris, Curtis C.; and Amstad, Paul, 4,885,238, Cl. 435-29.000.
- Brash, Robert A. D.; Wicks, Anthony J.; and Wilson, Eric T., to Wicks & Wilson Limited. Integrated scanner/plotter for microfilm aperture cards. 4,797,709, 1-10-89, Cl. 355-27.000.
- Brasil, John G. Modular seat and walkway support components. 4,862,650, 9-5-89, Cl. 52-9.000.
- Brasington, Frank C., to Novel Twist Inc. Cockpit simulator interfacing to keyboard port of desktop computer. 4,852,031, 7-25-89, Cl. 364-578.000.
- Brasington, Mitchell R., to East-West Apparel, Inc. Method and apparatus for altering fabric finishes. 4,845,790, 7-11-89, Cl. 8-150.000.
- Brasington, Mitchell R.: *See—*
  - Hoffer, Jerry M.; Brasington, Mitchell R.; and Berry, L. Paul, 4,816,033, Cl. 8-158.000.
- Brasket, Denis R. Corner wall lamp. 4,862,333, 8-29-89, Cl. 362-147.000.
- Braski, David N.: *See—*
  - Maziasz, Philip J.; Braski, David N.; and Rowcliffe, Arthur F., 4,818,485, Cl. 420-57.000.
- Braski, Michael T.; Everett, Dwight H.; Hamacher, John C.; Mueller, J. Samuel; Robusto, Paul F.; and Tilton, Richard A., to Hughes Aircraft Company. Method of making a laser electrode structure. 4,813,127, 3-21-89, Cl. 29-825.000.
- Braski, Michael T.; Wissman, Charles H.; Tilton, Richard A.; and Robusto, Paul F., to Hughes Aircraft Company. Phase locked laser array. 4,879,721, 11-7-89, Cl. 372-18.000.
- Braski, Michael T.: *See—*
  - Wissman, Charles H.; and Braski, Michael T., 4,856,010, Cl. 372-32.000.

- Brass, John R.: *See—*
  - Fouke, Herbert A.; and Brass, John R., 4,816,976, Cl. 362-309.000.
- Brass, Stephen: *See—*
  - Croudace, Michael C.; Wusz, Timothy; and Brass, Stephen, 4,844,717, Cl. 44-71.000.
- Brassard, Paul: *See—*
  - Belanger, Alain; and Brassard, Paul, 4,835,268, Cl. 540-599.000.
- Brassat, Bert: *See—*
  - Hess, Bernhard; Brassat, Bert; and Walter, Oskar, 4,806,603, Cl. 525-445.000.
  - Mussig, Bernhard; Meyer, Rolf-Volker; Brassat, Bert; and Dhein, Rolf, 4,820,771, Cl. 525-183.000.
- Brasse, Dierk: *See—*
  - Tigges, Burkhard; and Brasse, Dierk, 4,864,156, Cl. 307-117.000.
  - Tigges, Burkhard; and Brasse, Dierk, 4,879,531, Cl. 331-65.000.
- Brasse, Jean-Jacques; and Bonfilio, Ciriaco, to Valeo. Speed changer pulley. 4,854,918, 8-8-89, Cl. 474-11.000.
- Brasse, Jean-Jacques; and Bonfilio, Ciriaco, to Valeo. Speed changer pulley. 4,861,317, 8-29-89, Cl. 474-11.000.
- Brassell, Gilbert W. Container for storing liquids comprising carbon-carbon composites. 4,842,909, 6-27-89, Cl. 428-34.100.
- Brasser, Cornelis G. J.: *See—*
  - Dackus, Arnold J. G.; and Brasser, Cornelis G. J., 4,811,889, Cl. 228-148.000.
- Brasserie Piedboeuf: *See—*
  - Eyben, Donald; Meurens, Jacques; Hermia, Jacques; and Rahier, Georges, 4,816,147, Cl. 210-225.000.
- Brasseries Kronenbourg: *See—*
  - Hamelin, Benoit, 4,817,797, Cl. 206-428.000.
- Brassette, Duane J. Self-loading truck and tilt bed therefor. 4,880,346, 11-14-89, Cl. 414-486.000.
- Brassington, Nigel J.; and Gilbert, John A., to Johnson & Johnson. Silicone gel coated permeable wound dressing. 4,838,253, 6-13-89, Cl. 128-156.000.
- Braswell, Frank M., to Conoco Inc. Method and apparatus for indicating the position of a core member of a variable differential transformer. 4,857,919, 8-15-89, Cl. 340-870.360.
- Braswell, Leonard D.: *See—*
  - Smalling, Jack W.; Braswell, Leonard D.; and Lynnworth, Lawrence C., 4,856,321, Cl. 73-40.50A.
- Brat, Teodoro E.; and Wickersham, Charles E., to Tosoh SMD, Inc. Titanium nitride sputter targets. 4,820,393, 4-11-89, Cl. 204-192.150.
- Bratenstein, Ernst: *See—*
  - Kleinlein, Herbert; Bratenstein, Ernst; and Gartner, Friedrich, 4,814,912, Cl. 360-96.300.
- Brathwaite, John F. C. Countertop fabrication system. 4,814,220, 3-21-89, Cl. 428-119.000.
- Brathwaite, Nicholas: *See—*
  - Smith, William D.; Dennis, Richard; Brathwaite, Nicholas; and Blish, Richard C., II, 4,870,224, Cl. 174-52.400.
- Bratic, Peter: *See—*
  - Lewin, Henry B.; and Bratic, Peter, 4,836,259, Cl. 152-222.000.
- Bratkowski, Walter V.; and Ellsworth, James P., to Westinghouse Electric Corp. Current limiting circuit interrupter with insulating wedge. 4,801,772, 1-31-89, Cl. 200-151.000.
- Bratland, Jan; and Halvorsen, Finn. Skate. 4,826,183, 5-2-89, Cl. 280-7.130.
- Bratland, Ove. Hydraulically controlled maneuvering device. 4,800,922, 1-31-89, Cl. 137-624.140.
- Bratschi, K.: *See—*
  - Rometsch, Dieter, 4,850,415, Cl. 160-84.100.
- Bratt, Richard G.: *See—*
  - Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G., 4,803,619, Cl. 364-200.000.
  - Clancy, Gerald F.; Mundie, Craig J.; Schleimer, Stephen I.; Wallach, Steven J.; and Bratt, Richard G., 4,821,184, Cl. 364-200.000.
- Bratt, Russell I. Method and apparatus for fluid treatment by reverse osmosis. 4,814,086, 3-21-89, Cl. 210-636.000.
- Bratt, William: *See—*
  - Young, David; Lamoure, Richard; Bratt, William; Ruscello, Vincent; and Wilson, John E., 4,822,467, Cl. 204-212.000.
- Brattan, Keith; Hornby, Stephen J.; and Sehmi, Govinder S., to Imperial Chemical Industries PLC. Electrolytic cell. 4,822,461, 4-18-89, Cl. 204-98.000.
- Brattan, Keith, to Imperial Chemical Industries PLC. Electrolytic cell. 4,832,804, 5-23-89, Cl. 204-98.000.
- Bratten, Jack R. Automatic cycle control arrangement and method for a pressure filter. 4,861,494, 8-29-89, Cl. 210-739.000.
- Bratton, Charles W.; McPherson, James D.; and Williams, Delbert D., Jr., to Manville Corporation. Carton handle applicator. 4,816,014, 3-28-89, Cl. 493-88.000.
- Bratton, Daniel W. Steering wheel high beam headlight indicator. 4,835,512, 5-30-89, Cl. 340-457.200.
- Brattsand, Ralph L.; and Thalen, Bror A., to Aktiebolaget Draco. Novel androstane-17β-carboxylic acid esters, a process and intermediates for their preparation, compositions and method for the treatment of inflammatory conditions. 4,820,700, 4-11-89, Cl. 514-174.000.
- Brattstrom, Leif; Gustafsson, Hans; Strom, Tommy; Arvidsson, Bertil; and Cergeus, Sture, to Aktiebolaget Bofors. Armor piercing shell. 4,831,936, 5-23-89, Cl. 102-476.000.
- Bratz, V. David, to SAES Getters S.p.A. Pumping tubulation getter. 4,874,339, 10-17-89, Cl. 445-28.000.
- Brauch, Robert K.; and Sharrah, Raymond L., to Streamlight, Inc. Flashlight battery charger. 4,843,298, 6-27-89, Cl. 320-2.000.
- Braud, Harry A., to Moore Business Forms, Inc. Invoice form with card and envelope. 4,860,946, 8-29-89, Cl. 229-69.000.
- Braud, Yves; Fromentin, Jean; and Simonnot, Maurice, to Stein Geurtey. Apparatus for the inside and outside quenching of tubular pieces. 4,848,752, 7-18-89, Cl. 266-114.000.
- Brauer, Melvin; and Simone, Dominic, to CasChem, Inc. Coatings utilizing graft polyols. 4,877,455, 10-31-89, Cl. 106-244.000.
- Brauer, Melvin; and Crawford, Clayton C., to CasChem, Inc. Urethane adhesives. 4,889,915, 12-26-89, Cl. 525-458.000.
- Brauer, Melvin: *See—*
  - Chu, Yuan C.; and Brauer, Melvin, 4,865,735, Cl. 210-321.610.
  - Chu, Yuan C.; and Brauer, Melvin, 4,886,600, Cl. 210-321.800.
  - Simone, Dominic; and Brauer, Melvin, 4,812,533, Cl. 525-437.000.
- Brauers, Bert; and Morsbach, Martin, to Goetze AG. Oil scraper piston ring with elliptical oil vent holes. 4,796,898, 1-10-89, Cl. 277-216.000.
- Brauers, Bert, to Goetze AG. Piston ring and method of making the same. 4,799,694, 1-24-89, Cl. 277-140.000.
- Brault, Alfred F.; and Gray, John D., to Davidson Textron Inc. Method for producing a molded article having colored features. 4,880,588, 11-14-89, Cl. 264-163.000.
- Brauman, Daniel. Implantable prosthetic devices. 4,820,303, 4-11-89, Cl. 623-8.000.
- Braumann, Peter: *See—*
  - Weise, Wolfgang; Wolmer, Roger; and Braumann, Peter, 4,859,23 Cl. 75-233.000.
- Braumer, Klaus: *See—*
  - Koepff, Peter; Muller, Alexander; Schreiber, Reinhard; Turowski, Angelika; and Braumer, Klaus, 4,804,745, Cl. 530-356.000.
- Braun Aktiengesellschaft: *See—*
  - Barowski, Karlheinz; and Helbig, Gunter, 4,803,341, Cl. 219-222.000.
  - Barowski, Karlheinz; and Liebenthal, Dieter, 4,851,641, Cl. 219-225.000.
  - Bauer, Alfred, 4,829,218, Cl. 388-811.000.
  - Berg, Anette; and Hoffmann, Gunter, 4,882,458, Cl. 200-52.00R.
  - Bergk, Gunther, 4,875,001, Cl. 323-223.000.
  - Golob, Jurgen; and Franke, Wolfgang, 4,877,191, Cl. 241-92.000.
  - Hahnewald, Andrea, 4,801,915, Cl. 338-293.000.
  - Heuwinkel, Lothar; and Hofinger, Herbert, 4,859,869, Cl. 307-117.000.
  - Hickel, Sigrun; and Franke, Wolfgang, 4,799,626, Cl. 241-37.500.
  - Kullen, Albrecht; Klawuhn, Manfred; Hickel, Sigrun; and Franke, Wolfgang, 4,842,416, Cl. 366-314.000.
  - Oprach, Klaus; Harms, Luhr; Braun, Gebhard; and Trolltsch, Karl, 4,796,359, Cl. 30-43.920.
  - Rebordosa, Antonio, 4,850,699, Cl. 366-129.000.
  - Rolf, Wilfried, 4,803,313, Cl. 200-6.0BB.
  - Steijger, Wilfridus; Odemer, Michael; Schweingruber, Otto; and Cimbal, Jochen, 4,848,171, Cl. 74-42.000.
  - Ullrich, Lothar; Jung, Gunter; Burger, Diethard; Alschweig, Hans-Gunther; Schonborn, Hartmut; and Heinzel, Winfried, 4,862,60 Cl. 38-93.000.
  - Ullrich, Volker, 4,816,645, Cl. 219-345.000.
- Braun, Charles W.; Fornuto, Joseph; and Palmer, Dwight O., to General Motors Corporation. Exhaust gas recirculation valve. 4,805,5 2-21-89, Cl. 123-568.000.
- Braun, David B.; Vreeland, William E.; and Motta, Vincent C., to Warner-Lambert Company. Sequentially molded razor cap. 4,850,106, 7-25-89, Cl. 30-41.000.
- Braun, Edward H. Apparatus and method for making hairpieces undetectable. 4,865,057, 9-12-89, Cl. 132-201.000.
- Braun, Emil J. Coin and key operated cam lock. 4,830,168, 5-16-89, Cl. 194-254.000.
- Braun, Ernst, to SKF Textilmaschinen-Komponenten GmbH. Asynchronous motor for spinning elements. 4,886,991, 12-12-89, Cl. 310-212.000.
- Braun, Ernst: *See—*
  - Braun, Gert; and Braun, Ernst, 4,867,300, Cl. 198-731.000.
- Braun, Eugene R., to Eaton Corporation. Transmission input section. 4,831,894, 5-23-89, Cl. 74-745.000.
- Braun, Eugene R., to Eaton Corporation. Vehicle drive line shift control system and method. 4,850,236, 7-25-89, Cl. 74-337.000.
- Braun, Eugene R., to Eaton Corporation. Control for vehicle start from stop operation. 4,873,637, 10-10-89, Cl. 364-424.100.
- Braun, Eugene R., to Eaton Corporation. Auxiliary transmission input section. 4,882,951, 11-28-89, Cl. 74-745.000.
- Braun, Eugene R.: *See—*
  - Nellums, Richard A.; and Braun, Eugene R., 4,874,070, Cl. 192-0.052.
- Braun, Gebhard: *See—*
  - Oprach, Klaus; Harms, Luhr; Braun, Gebhard; and Trolltsch, Karl, 4,796,359, Cl. 30-43.920.
- Braun, Gerold; Tschang, Chung-Ji; Vamvakaris, Christos; and Glaser, Klaus. Preparation of sulfatobetaines. 4,837,330, 6-6-89, Cl. 546-339.000.
- Braun, Gerold; Tschang, Chung-Ji; Vamvakaris, Christos; and Glaser, Klaus, to BASF Aktiengesellschaft. Preparation of sulfatobetaines. 4,855,423, 8-8-89, Cl. 544-2.000.
- Braun, Gert; and Braun, Ernst, to Halbach & Braun Industrieanlagen. Round link chain for chain scraper conveyors. 4,867,300, 9-19-89, Cl. 198-731.000.
- Braun, Hans: *See—*
  - Schneider, Georg; Freudig, Gunter; Rippinger, Fernand; and Braun, Hans, 4,817,014, Cl. 364-728.030.
  - Schworer, Artur; and Braun, Hans, 4,886,234, Cl. 249-196.000.

- Braun, Hans-Georg: *See—*
  - Lausberg, Dietrich, Seiler, Erhard; and Braun, Hans-Georg, 4,879,324, Cl. 523-400.000.
- Braun, Hans J.; Grenz, Gunter; and Berz, Gerhard, to SMS Schloemann-Siemag Aktiengesellschaft. Wire coiling apparatus with a recovery device for a coiled wire reel. 4,869,438, 9-26-89, Cl. 242-83.000.
- Braun, Hans J.: *See—*
  - Berz, Gerhard; Braun, Hans J.; and Grenz, Guenter, 4,869,437, Cl. 242-83.000.
- Braun, Hans-Jurgen: *See—*
  - Konrad, Eugen; Clausen, Thomas; Braun, Hans-Jurgen; and Mager, Herbert, 4,835,314, Cl. 564-441.000.
- Braun, Hans-Peter: *See—*
  - Vogel, Peter; Braun, Hans-Peter; Berger, Dieter; and Werner, Wolfgang, 4,816,224, Cl. 422-55.000.
- Braun, Hartmut; and Vogg, Hubert, to Kernforschungszentrum Karlsruhe GmbH. Flue gas purification process. 4,873,065, 10-10-89, Cl. 423-210.000.
- Braun, Hilarion; and Antolik, Ralph E., III, to Eastman Kodak Company. Continuous ink jet printer having improved stimulation waveguide construction. 4,827,287, 5-2-89, Cl. 346-75.000.
- Braun, Howard E.: *See—*
  - Tower, Stephen N.; Christenson, James A.; and Braun, Howard E., 4,839,137, Cl. 376-260.000.
- Braun, Jeffrey J., to Motorola, Inc. Shunt regulator. 4,879,506, 11-7-89, Cl. 323-314.000.
- Braun, Joseph T.: *See—*
  - Baile, Madhu; Braun, Joseph T.; and Clark, Joseph N., 4,795,775, Cl. 524-379.000.
- Braun, Juergen H., to Du Pont de Nemours, E. I., and Company. Titanium dioxide pigment, electrophoretic coating compositions including such pigment, and method for treating titanium dioxide pigment. 4,846,891, 7-11-89, Cl. 106-436.000.
- Braun, Karl, to Aesculap-Werke AG Vormals Jetter & Scheerer. Applicator for C-shaped scalp clips. 4,854,317, 8-8-89, Cl. 128-334.00R.
- Braun, Oskar, to G. M. Pfaff Aktiengesellschaft. Sewing machine with a presser foot drivable in transverse direction by the needle bar. 4,867,084, 9-19-89, Cl. 112-221.000.
- Braun, Oskar, to Pfaff Industriemaschinen GmbH. Sewing machine with a needle plate insert. 4,876,975, 10-31-89, Cl. 112-260.000.
- Braun, Peter: *See—*
  - Ehrhardt, Heinz; Mildenberger, Hilmar; Maier, Thomas; Schaller, Rainer; Sachse, Burkhard; and Braun, Peter, 4,889,864, Cl. 514-326.000.
- Braun, Ralph V.; Brown, Christine H.; Fitting, Steven W.; Garrett, Lance J., Jr.; Law, David C.; and Weber, Robert E., to Kimberly-Clark Corporation. Latex coated breathable barrier. 4,818,600, 4-4-89, Cl. 428-290.000.
- Braun, Ralph V.; Garrett, Lance; Phelan, Robert J.; and Yeo, Richard S., to Kimberly-Clark Corporation. Breathable, multilayered, clothlike barrier. 4,828,556, 5-9-89, Cl. 604-365.000.
- Braun, Randall E., to ICI Array Technology, Inc. Pin grid array assembly. 4,882,657, 11-21-89, Cl. 361-412.000.
- Braun, Robert: *See—*
  - Murray, Pat L.; Braun, Robert; and McNamara, Dawn, 4,880,143, Cl. 222-135.000.
- Braun, Robert C., to Duraco Products, Inc. Apparatus for handling and transferring a molded article. 4,808,102, 2-28-89, Cl. 425-150.000.
- Braun, Robert J.: *See—*
  - Mertz, William J.; and Braun, Robert J., 4,824,990, Cl. 560-90.000.
  - Mertz, William J.; and Braun, Robert J., 4,876,304, Cl. 524-314.000.
- Braun, Robert R.: *See—*
  - Stevens, Robert C.; and Braun, Robert R., 4,857,046, Cl. 604-22.000.
- Braun, Rolf M.; Panek, Peter; Bornefeld, Horst; Rade, Dieter; and Ritter, Wolfgang, to Bayer Aktiengesellschaft. Hydrophobic pigments and fillers for incorporation in synthetic resins. 4,810,305, 3-7-89, Cl. 106-499.000.
- Braun, Rolf M.: *See—*
  - Grape, Wolfgang; Schlak, Ottfried; and Braun, Rolf M., 4,831,169, Cl. 556-451.000.
- Braun, Steven D.; Dake, Timothy W.; and Tsai, Chee-Hway, to Procter & Gamble Company, The. Calcium-supplemented beverages and beverage concentrates containing low levels of sulfate. 4,830,862, 5-16-89, Cl. 426-74.000.
- Braun, Walter; and Hagmann, Walter, to BBC Brown Boveri AG. Differential phase shift keying method for the transmission of data. 4,799,238, 1-17-89, Cl. 375-56.000.
- Braun, Walter; Hagmann, Walter; Hanselmann, Urs; Maibach, Bruno; and Schranz, Peter, to BBC Brown, Boveri & Company, Limited. Method for data transmission via an electric distribution system and transmission system for carrying out the method. 4,800,363, 1-24-89, Cl. 340-310.00A.
- Braun, Walter; and Hagmann, Walter, to BBC Brown Boveri & Co., Ltd. Method for transmitting data via the lines of a power supply system. 4,809,296, 2-28-89, Cl. 375-1.000.
- Braun, Walter; Kersten, Reinhard; and Kuhl, Egbert, to U.S. Philips Corp. Method of optimizing control of plural switched electric loads to reduce switching transients. 4,829,159, 5-9-89, Cl. 219-486.000.
- Braun, Walter, to BBC Brown Boveri AG. Method for demodulating an FM signal. 4,859,957, 8-22-89, Cl. 329-50.000.
- Braun, Walter; and Habermann, Joachim, to BBC Brown Boveri AG. Signal transmission method. 4,872,185, 10-3-89, Cl. 375-106.000.
- Braun, Walter: *See—*
  - Weller, Klaus; Braun, Walter; and Nennemann, Harry, 4,798,410, Cl. 296-217.000.
- Braun, William G.: *See—*
  - Wallace, Donald G.; Reihanian, Hertsel; Pharriss, Bruce B.; and Braun, William G., 4,803,075, Cl. 424-423.000.
- Braun, Wolfgang; Emsmann, Wulf; Konrath, Karl; Krieger, Klaus; and Nothdurft, Heinz, to Robert Bosch GmbH. Fuel injection pump. 4,811,709, 3-14-89, Cl. 123-357.000.
- Braunagel, Magnus V., to Regis College. Monorail track system. 4,843,971, 7-4-89, Cl. 104-94.000.
- Braunberger, Benjamin A. Button press. 4,829,662, 5-16-89, Cl. 29-792.000.
- Braunberger, Benjamin A. Right angle drive. 4,867,013, 9-19-89, Cl. 74-813.00R.
- Braune, Dirk H.: *See—*
  - Zimmer, Gunther A. H.; Braune, Dirk H.; and Kaplinsky, Cecil H., 4,853,845, Cl. 364-200.000.
- Braune, Gerhard; and Hock, Reinhard, to FAG Kugelfischer Georg Schafer (KGaA). Spacer bushing for two-row ball bearing. 4,820,060, 4-11-89, Cl. 384-447.000.
- Brauning, Egon, to Protoned B.V. Vertically adjustable swivel chair supporting column. 4,798,358, 1-17-89, Cl. 248-161.000.
- Brauning, Egon, to Protoned B.V. Seat furniture. 4,880,272, 11-14-89, Cl. 297-296.000.
- Brauninger, Jurgen; Holmes, James; and Sieber, Albrecht, to Robert Bosch GmbH. Method for monitoring a tachometer signal. 4,808,920, 2-28-89, Cl. 324-161.000.
- Brauninger, Jurgen, to Robert Bosch GMBH. System for preventing excessive repetition of interrupt programs in a microcomputer. 4,819,173, 4-4-89, Cl. 364-431.070.
- Braunius, John P. Leaf collection and removal apparatus. 4,884,937, 12-5-89, Cl. 414-505.000.
- Braunlich, Peter F.; and Tetzlaff, Wolfgang, to Braunlich, Peter F. Laser readable thermoluminescent radiation dosimeters and methods for producing thereof. 4,825,084, 4-25-89, Cl. 250-484.100.
- Braunlich, Peter F.; and Tetzlaff, Wolfgang, to Braunlich, Peter F. Apparatuses and methods for laser reading of thermoluminescent phosphors. 4,839,518, 6-13-89, Cl. 250-337.000.
- Braunschweiger Huttenwerk GmbH: *See—*
  - Gerling, Paul, 4,815,865, Cl. 384-117.000.
- Braunschweigische Maschinenbauanstalt AG: *See—*
  - Gruenewald, Werner, 4,816,075, Cl. 127-2.000.
  - Schaper, Helmut; and Kurland, Heinrich, 4,802,925, Cl. 127-19.000.
  - Schaper, Helmut; and Kurland, Heinrich, 4,804,419, Cl. 127-19.000.
- Braunschweiler, Hans G. Gear drive with infinitely variable transmission ratio. 4,843,899, 7-4-89, Cl. 74-84.00R.
- Braunsperger, Karl: *See—*
  - Gamon, Norbert; Braunsperger, Karl; and Schneider, Otto, 4,816,506, Cl. 524-96.000.
  - Gamon, Norbert; Solbrig, Christian; and Braunsperger, Karl, 4,888,405, Cl. 528-23.000.
- Braunstein, Philip: *See—*
  - Vasquez, Tony E.; Bridges, Robert L.; Braunstein, Philip; and Jansholt, Anne-Line, 4,851,209, Cl. 424-1.100.
- Braus, Jurgen; Baureis, Hans-Paul; and Bickle, Wolfgang, to Kolbenschmidt Aktiengesellschaft. Composite material for sliding surface bearings. 4,847,135, 7-11-89, Cl. 428-138.000.
- Braus, Jurgen: *See—*
  - Bergmann, Erich; and Braus, Jurgen, 4,889,772, Cl. 428-547.000.
- Braverman, Melvin; and Lazar, Joseph, to Jefferson International. Display device. 4,881,336, 11-21-89, Cl. 40-530.000.
- Bravet, Jean-Louis; and de Toytot, Francois, to Saint-Gobain Vitrage. Process and device for the production of a safety pane. 4,818,622, 4-4-89, Cl. 428-425.600.
- Bravet, Jean-Louis; Toytot, Francois; Leyens, Gerd; Pikhardt, Siegfried; and Bayer, Herbert, to Saint-Gobain Vitrage. Process and device for spraying a reaction mixture capable of forming a transparent protective layer of high optical quality. 4,871,579, 10-3-89, Cl. 427-31.000.
- Bravet, Jean-Louis: *See—*
  - Daude, Gerard; Bravet, Jean-Louis; Moncheaux, Michel; Drujon, Sylvie; and Dimier, Gerard, 4,830,806, Cl. 264-216.000.
- Bravo, Francesco, to Bravo S.p.A. Evaporator for coolant fluids. 4,852,368, 8-1-89, Cl. 62-515.000.
- Bravo, Francesco, to Bravo S.p.A. Tank-type heating apparatus for fluid or doughy food products. 4,853,518, 8-1-89, Cl. 219-441.000.
- Bravo, Genesio, to Bravo S.p.A. Blade mixer device for fluid products contained in a cylindrical tank. 4,887,910, 12-19-89, Cl. 366-312.000.
- Bravo, Rafael H., to Envases Masquefa, S.A. Seal rim integrally formed with metal container. 4,865,212, 9-12-89, Cl. 220-74.000.
- Bravo, Sergio M. Gasoline collector pit box and submersible unit b 4,842,163, 6-27-89, Cl. 222-40.000.
- Bravo S.p.A.: *See—*
  - Bravo, Francesco, 4,852,368, Cl. 62-515.000.
  - Bravo, Francesco, 4,853,518, Cl. 219-441.000.
  - Bravo, Genesio, 4,887,910, Cl. 366-312.000.
- Brawn-Cardin Mill Equipment Manufacturing, Inc.: *See—*
  - Brawn, Philip E., 4,838,408, Cl. 198-434.000.
- Brawn, Philip E., to Brawn-Cardin Mill Equipment Manufacturing, Inc. Veneer straightener. 4,838,408, 6-13-89, Cl. 198-434.000.
- Brawn, R. James, deceased: *See—*
  - Groshong, Leroy E.; Groshong, Judson C.; and Brawn, R. James, deceased, 4,838,860, Cl. 604-152.000.
- Brawner, Johnny A. Prepared tape for body inserted tube. 4,822,342, 4-18-89, Cl. 604-180.000.

Braxmeier, Hans, to Novibra GmbH. Bearing support for a twisting or spinning machine. 4,796,419, 1-10-89, Cl. 57-134.000.
Braxmeier, Hans, to Stahlecker, Fritz; and Stahlecker, Hans. Air nozzle for pneumatic false-twist spinning having a yarn channel that is formed of at least two segments. 4,807,431, 2-28-89, Cl. 57-333.000.
Bray, Burton A.: *See—*
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Bray, Charles E. Vehicle finish protection apparatus. 4,871,205, 10-3-89, Cl. 293-128.000.
Bray, Christopher. Container for thin objects. 4,869,364, 9-26-89, Cl. 206-232.000.
Bray, Daniel M.: *See—*
  Whittaker, Gary L.; and Bray, Daniel M., 4,829,338, Cl. 355-305.000.
Bray, Donald T., to Desalination Systems, Inc. Semipermeable membranes. 4,828,708, 5-9-89, Cl. 210-654.000.
Bray, Donald T.; and Simonis, Richard A., to Nimbus Water Systems, Inc. Water purification apparatus. 4,842,724, 6-27-89, Cl. 210-104.000.
Bray, Donald T.; and Hopkins, David H., to Desalination Systems, Inc. Spiral wound membrane. 4,842,736, 6-27-89, Cl. 210-321.610.
Bray, Douglas: *See—*
  Noakes, Timothy J.; Pavey, Ian D.; Bray, Douglas; and Rowe, Raymond C., 4,829,996, Cl. 128-200.140.
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  Wenman, James A.; Bray, Douglas; R.; and Porter, David H., 4,861,273, Cl. 439-111.000.
Bray, Gary: *See—*
  Morton, Milton A.; Darnell, Peter A.; Cooprider, Lee W.; and Bray, Gary, 4,829,422, Cl. 364-200.000.
Bray, James A.; and Applegate, Robert L., to Weirton Steel Corporation. Atomized particle lubrication of cup-shaped can bodies. 4,823,732, 4-25-89, Cl. 118-622.000.
Bray, James A., to Weirton Steel Corporation. Lubrication of cup-shaped can bodies. 4,831,960, 5-23-89, Cl. 118-317.000.
Bray, James A.: *See—*
  Saunders, William T.; and Bray, James A., 4,848,623, Cl. 220-273.000.
Bray, John E.: *See—*
  Rushby, Robert J.; and Bray, John E., 4,835,673, Cl. 364-200.000.
Bray, Peter: *See—*
  Kemp, David T.; and Bray, Peter, 4,884,447, Cl. 73-585.000.
Bray, Stuart W.: *See—*
  Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.
Brayden, Mark K.: *See—*
  Chagnard, Harold A., Jr.; Brayden, Mark K.; and LeBlanc, Thomas R., 4,869,827, Cl. 210-700.000.
Braye, Emile: *See—*
  Radisson, Joel; and Braye, Emile, 4,876,362, Cl. 549-59.000.
Brayer, Randall R.; Robinson, Beale A.; and Springford, Richard H., to Goodyear Tire & Rubber Company, The. All-season high-performance radial-ply passenger pneumatic tire. 4,815,511, 3-28-89, Cl. 152-209.00R.
Braymand, Robert, to Societe Nouvelle Baele Gangloff. Method for pasteurizing food products in containers. 4,849,235, 7-18-89, Cl. 426-232.000.
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  Kropiwnicki, Tadek M.; Braymer, Joseph E.; and Dreiman, Nelik I., 4,795,316, Cl. 417-312.000.
Brazdil, James F.; and Guttmann, Andrew T., to Standard Oil Company, The. Catalyst for ammoxidation of paraffins. 4,873,215, 10-10-89, Cl. 502-202.000.
Brazdil, James F.: *See—*
  Guttmann, Andrew T.; Brazdil, James F.; and Grasselli, Robert K., 4,816,243, Cl. 423-593.000.
  Suresh, Dev D.; Seely, Michael J.; Brazdil, James F.; and Grasselli, Robert K., 4,855,275, Cl. 502-353.000.
Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., to Standard Oil Company, The. Catalyst for ammoxidation of paraffins. 4,801,568, 1-31-89; Cl. 502-209.000.
Brazdil, James F., Jr.; Hattenberger, John S.; Hildebrand, Richard E.; and Bartek, Joseph P., to Standard Oil Company, The. Energy efficient process for upgrading light hydrocarbons and novel oxidative coupling catalysts. 4,822,944, 4-18-89, Cl. 585-500.000.
Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., to Standard Oil Company, The. Catalysts for ammoxidation of paraffins. 4,866,024, 9-12-89, Cl. 502-209.000.
Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., to Standard Oil Company, The. Method for ammoxidation of paraffins and catalyst system therefor. 4,866,195, 9-12-89, Cl. 558-319.000.
Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., to Standard Oil Company, The. Catalyst for the ammoxidation of paraffins. 4,871,706, 10-3-89, Cl. 502-209.000.
Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., to Standard Oil Company, The. Catalyst for ammoxidation of paraffins. 4,874,738, 10-17-89, Cl. 502-209.000.
Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., to Standard Oil Company, The. Ammoxidation of paraffins and catalysts therefor. 4,883,895, 11-28-89, Cl. 558-319.000.
Brazdil, James F., Jr.: *See—*
  Bartek, Joseph P.; Guttmann, Andrew T.; and Brazdil, James F., Jr., 4,797,381, Cl. 502-202.000.
  Bartek, Joseph P.; Brazdil, James F., Jr.; Hupp, John M.; and Grasselli, Robert K., 4,886,931, Cl. 585-500.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,801,727, Cl. 558-319.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,814,478, Cl. 558-319.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,835,125, Cl. 502-202.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,837,191, Cl. 502-202.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,837,233, Cl. 502-204.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,843,055, Cl. 502-202.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,866,194, Cl. 558-319.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,877,764, Cl. 502-209.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,883,896, Cl. 558-319.000.
  Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,888,438, Cl. 558-319.000.
  Teller, Raymond G.; Brazdil, James F., Jr.; Bartek, Joseph P.; and Brussee, Ann M., 4,795,848, Cl. 585-500.000.
  Toft, Mark A.; Brazdil, James F., Jr.; and Glaeser, Linda C. 4,879,264, Cl. 502-8.000.
Brazeau, Paul: *See—*
  Cohen, Eric A.; Gaudreau, Pierrette; Michaud, Jacques; Brazeau, Paul; and Langelier, Yves, 4,795,740, Cl. 514-14.000.
Brazell, Charles R.: *See—*
  Davis, Dick E.; Brazell, Charles R.; and Johnston, Jerome E. 4,836,308, Cl. 177-25.140.
Brazier, Gary B., to Bard Limited. Sheath applicator. 4,840,1 6-20-89, Cl. 128-844.000.
Brazier, Gary E.: *See—*
  Bell, Frederick K.; Brazier, Gary E.; and Brown, Stephen N. 4,819,195, Cl. 364-571.050.
Brazier, Glen. Flywheel disengagement assembly. 4,869,354, 9-26-8 Cl. 192-67.00R.
Brazier, Irvin L.: *See—*
  Dornbusch, Arthur H.; Schanzle, Roger E.; and Brazier, Irvin L. 4,883,697, Cl. 428-35.700.
Brazier, Kevin E.: *See—*
  Oliver, Martin J.; Brazier, Kevin E.; and Boote, Stephen R. 4,827,208, Cl. 324-73.00R.
Brdlik, Karl. Paint storing system. 4,834,261, 5-30-89, Cl. 220-404.000.
Breads, Peter R., to Great Lakes Orthodontic Laboratories Inc. Method of making a dental appliance. 4,798,534, 1-17-89, Cl. 433-6.000.
Breads, Peter R.; Abbatte, Gerard P.; and Warunek, Stephen P., to Great Lakes Orthodontics, Ltd. Orthodontic finishing positioner and method of construction. 4,856,991, 8-15-89, Cl. 433-6.000.
Breakey, Gerald A.: *See—*
  Taft, Jeffrey D.; Ellison, James F.; and Breakey, Gerald A. 4,833,381, Cl. 318-577.000.
  Taft, Jeffrey D.; Ellison, James F.; and Breakey, Gerald A. 4,849,679, Cl. 318-577.000.
  Zana, Lawrence J.; and Breakey, Gerald A., 4,814,721, Cl. 330-69.000.
Breakspear, Colin J., to Westland Group plc. Method for laying a sheet of material on a surface. 4,875,962, 10-24-89, Cl. 156-245.000.
Breakthru Industries, Inc.: *See—*
  Appleton, Gregory H.; and Mikelk, Paul D., 4,854,406, Cl. 177-139.000.
Brearley, Malcolm; and Moseley, Richard B., to Lucas Industries public limited company. Vehicle braking system. 4,795,219, 1-3-89, Cl. 303-9.690.
Brearley, Malcolm; Phillips, Mark I.; Prescott, Robert D.; and Ross, Colin F., to Lucas Industries public limited company. Anti-skid braking systems for vehicles. 4,852,953, 8-1-89, Cl. 303-111.000.
Brears, John H., to MacMillan Bloedel Limited. Measurement of variation in flute profile height. 4,800,286, 1-24-89, Cl. 250-560.000.
Breault, John P.; and Dickau, Ewald F., to Loctite Corporation. Seal-less modular positive displacement dispenser. 4,858,789, 8-22-89, Cl. 222-309.000.
Breault, Michelle S.: *See—*
  Hart, William G.; Breault, Michelle S.; Sansone, Ronald P.; Taylor, Michael P.; and Doeberl, Terrence M., 4,853,864, Cl. 364-464.020.
Breault, Richard D., to International Fuel Cells Corporation. Fuel cell, a fuel cell electrode, and a method for making a fuel cell electrode 4,808,493, 2-28-89, Cl. 429-42.000.
Breault, Richard D.; Rajpolt, Michael J.; and Trocciola, John C., to International Fuel Cells Corporation. Method of operating an electrochemical cell stack. 4,824,739, 4-25-89, Cl. 429-13.000.
Breault, Richard D., to International Fuel Cells Corporation. Fuel cell, a fuel cell electrode, and a method for making a fuel cell electrode 4,851,377, 7-25-89, Cl. 502-101.000.
Breaux, John R.: *See—*
  Uddo Jr., Joseph F.; and Breaux, John R., 4,878,762, Cl. 383-33.000.
Breaux, Vance V. Underwater exhaust system for boats of stepped-hull construction and including exhaust cooling. 4,840,589, 6-20-89, Cl. 440-89.000.
Breazeale, Jack D.: *See—*
  Trowbridge, John C.; and Breazeale, Jack D., 4,877,646, Cl. 427-215.000.

Brebner, Keith I., to Wood Polymer Composite Processes Ltd. Method of surface impregnation of wood articles and wood articles made therewith. 4,883,719, 11-28-89, Cl. 428-541.000.
Brechard, Dominique; and Laurent, Pierre-Andre, to Thomson-CSF. Polynomial operator in galois fields and a digital signal processor comprising an operator of this type. 4,852,098, 7-25-89, Cl. 371-37.000.
Brechard, Dominique; and Laurent, Pierre-Andre, to Thomson-CSF. Algebraic coder-decoder for Reed Solomon and BCH block codes, applicable to telecommunications. 4,888,778, 12-19-89, Cl. 371-37.400.
Brechbiel, Martin W.: *See—*
  Gansow, Otto A.; and Brechbiel, Martin W., 4,831,175, Cl. 558-17.000.
Brechbuehler, Fritz, to Pebea, N.V. Reinforcing rod holder for use in joining cast concrete work. 4,796,851, 1-10-89, Cl. 249-91.000.
Brecher, Charles: *See—*
  Wingert, Philip C.; Brecher, Charles; Kim, Han J.; and Kang, Shinhoo, 4,817,695, Cl. 148-431.000.
Breck, Donald W., deceased: *See—*
  Skeels, Gary W.; Breck, Donald W., deceased; Breck, Stephen R., heir; and Breck, George D., heir, 4,836,911, Cl. 208-111.000.
Breck, George D., heir: *See—*
  Skeels, Gary W.; Breck, Donald W., deceased; Breck, Stephen R., heir; and Breck, George D., heir, 4,836,911, Cl. 208-111.000.
Breck, Stephen R., heir: *See—*
  Skeels, Gary W.; Breck, Donald W., deceased; Breck, Stephen R., heir; and Breck, George D., heir, 4,836,911, Cl. 208-111.000.
Breckenridge, Craig W.: *See—*
  Krause, Richard J.; Lee, Jaw F.; and Breckenridge, Craig W., 4,803,365, Cl. 250-461.200.
Breckner, Kurt, to Eckardt AG. Process and apparatus for the control of the air and fuel supply to a plurality of burners. 4,798,531, 1-17-89, Cl. 431-12.000.
Breckwoldt, Robert G., to Tripar Incorporated. Non-burning tobacco substitute. 4,807,648, 2-28-89, Cl. 131-359.000.
Brecz, Imre; Schultz, Dennis; and Hinton, Dennis L., to Microdot Inc. Sheathed composite blind rivet. 4,859,128, 8-22-89, Cl. 411-43.000.
Breda, Michael A.; and Snyder, George K., to General Motors Corporation. Method for assembling plate type heat exchangers. 4,860,421, 8-29-89, Cl. 29-157.30A.
Breda Packaging B.V.: *See—*
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Bredael, Pierre J.: *See—*
  Grootjans, Jacques F.; and Bredael, Pierre J., 4,810,356, Cl. 208-59.000.
  Grootjans, Jacques F.; and Bredael, Pierre J., 4,842,717, Cl. 208-118.000.
Bredbenner, Charles W.; and Rupp, Richard, to PMC, Inc. Open celled polyurethane foams. 4,826,882, 5-2-89, Cl. 521-112.000.
Breddels, Paulus A.; and Van Sprang, Hendrik A., to U.S. Philips Corporation. Liquid crystalline color display cell having a phosphorescent substrate and U.V.-absorbing dichroic dye. 4,830,469, 5-16-89, Cl. 350-345.000.
Brede, Uwe; and Zeiher, Erich, to Dynamit Nobel Aktiengesellschaft. Multiple-chamber propellant charge igniter. 4,850,274, 7-25-89, Cl. 102-202.000.
Bredemann, Michael V.; and Seitz, Forest S., to Honeywell Inc. Differential amplifier. 4,879,521, 11-7-89, Cl. 330-258.000.
Bredeweg, Corwin J.: *See—*
  Vitkuske, John F.; and Bredeweg, Corwin J., 4,847,326, Cl. 525-89.000.
Bredeweg, Robert A.; and Blanchard, Russell O., to Batts, Inc. Hook socket for ganging hangers. 4,871,098, 10-3-89, Cl. 223-85.000.
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Bredt, Robert C.: *See—*
  Kniebel, Charles J.; Schieffer, Virgil; and Bredt, Robert C., 4,877,117, Cl. 192-85.00A.
Bredthauer, Richard A., to Ford Aerospace & Communications Corporation. Schottky barrier photodiode structure. 4,875,082, 10-17-89, Cl. 357-15.000.
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  Tom, Gary E.; Breech, William K.; and Armstrong, C. Peter, 4,829,244, Cl. 324-158.00F.
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  Breed, David S., 4,848,792, Cl. 280-734.000.
  Husby, Harald, 4,887,843, Cl. 280-735.000.
Breed, David S., to Breed Automotive Technology, Inc. Angled vehicle crash sensor. 4,819,960, 4-11-89, Cl. 280-734.000.
Breed, David S., to Breed Automotive Technology, Inc. Event sequence indicator. 4,848,792, 7-18-89, Cl. 280-734.000.
Breeden, Winston H., Jr.; Kennedy, Edward S.; and Wright, Phillip A., to Wire Products Co., Inc. Pipe hanger. 4,795,115, 1-3-89, Cl. 248-59.000.
Breeding, John G., to Shuffle Master, Inc. Card shuffling device. 4,807,884, 2-28-89, Cl. 273-149.00R.
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  Chao, Chung-Yao; and Breedis, John F., 4,816,216, Cl. 420-94.000.
Breeland, Fred S., Jr.; and Huggins, Thomas B., to Westinghouse Electric Corp. Pellet-press-to-sintering-boat nuclear fuel pellet loading apparatus. 4,807,734, 2-28-89, Cl. 193-32.000.
Breen, Bernard P.; Gabrielson, James E.; and Pohl, John H., to Consolidated Natural Gas Service Company, Inc. Method to enhance removal of sulfur compounds by slag. 4,848,251, 7-18-89, Cl. 110-347.000.
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Breen, Michael J.: *See—*
  Malpass, Dennis B.; Fannin, Loyd W.; and Breen, Michael J., 4,851,378, Cl. 502-103.000.
Breen, Michael T., to Eaton Corporation. Laser doppler and time of flight range measurement. 4,818,100, 4-4-89, Cl. 356-5.000.
Breen, Michael T., to Eaton Corporation. Optical inspection device and method. 4,822,164, 4-18-89, Cl. 356-28.500.
Breen, Michael T., to Eaton Corporation. Laser distance measuring method and apparatus. 4,856,893, 8-15-89, Cl. 356-5.000.
Breen, Michael T., to Eaton Corporation. Chirp and doppler optical gauge. 4,861,158, 8-29-89, Cl. 356-5.000.
Breen, Michael T., to Eaton Corporation. Dynamic doppler optical gauge. 4,861,159, 8-29-89, Cl. 356-5.000.
Breen, Thomas J.; and King, Stephen H., to Rand McNally & Company. Thermally imprintable baggage tag of paper. 4,817,310, 4-4-89, Cl. 40-299.000.
Breen, Thomas J., to National Computer Print, Inc. Fan-folded, multiple coupon/envelope form set and method of making same. 4,860,945, 8-29-89, Cl. 229-69.000.
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Breeuwer, Rene, to Ahrin BV. Method and an apparatus for determining the velocity, direction and other magnitudes of a flow, in particular a gas flow. 4,882,931, 11-28-89, Cl. 73-189.000.
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Breger, Joseph L. Presbyopic contact lens. 4,869,587, 9-26-89, Cl. 351-161.000.
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Bregnard, Andre: *See—*
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Bregoli, Lawrence J.; and Luczak, Francis J., to International Fuel Cells Corporation. Fuel cell electrode and method of making and using same. 4,810,594, 3-7-89, Cl. 429-13.000.
Brehk Ventures: *See—*
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Brehm, Gerhard; and Niedermeier, Johann, to Wacker Chemitronics GmbH. Process for sharpening cutting-off tools and cutting-off process. 4,811,722, 3-14-89, Cl. 125-11.00R.
Brehm, Gerhard; Langsdorf, Karlheinz; Niedermeier, Johann; and Glas, Johann, to Wacker Chemitronic Gesellschaft fur Elektronik-Grundstoffe mbH. Process for sawing crystal rods or blocks into thin wafers. 4,844,047, 7-4-89, Cl. 125-13.00R.
Brehm, John R.: *See—*
  Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
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Brehmer, Geoffrey E.; and Peterson, Joe W., to Advanced Micro Devices, Inc. Pseudo-ternary code transmitter. 4,829,541, 5-9-89, Cl. 375-17.000.
Brehmer, Geoffrey E.; and Jackson, Harry S., to Advanced Micro Devices, Inc. Fully differential non-linear amplifier. 4,849,708, 7-18-89, Cl. 330-110.000.
Brehmer, Roland; and Papi, Adolfo, to AB Fellingsbro Verkstader. Liquid-filled electric radiator. 4,873,421, 10-10-89, Cl. 219-341.000.
Breidegam, Albert C., to Semtronics Corporation. Stretchable material having redundant conductive sections. 4,813,459, 3-21-89, Cl. 139-421.000.
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  Zeeck, Axel; Breiding-Mack, Sabine; Grabley, Susanne; Voelskow, Hartmut; and Seibert, Gerhard, 4,861,775, Cl. 514-229.800.
  Zeeck, Axel; Breiding-Mack, Sabine; Grabley, Susanne; Voelskow, Hartmut; and Seibert, Gerhard, 4,861,796, Cl. 514-535.000.
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Breimesser, Fritz, to Siemens Aktiengesellschaft. Pressure transducer. 4,825,685, 5-2-89, Cl. 73-4.00R.
Breimesser, Fritz; and Granz, Bernd, to Siemens Aktiengesellschaft. Apparatus for transmitting and receiving ultrasonic signals. 4,831,601, 5-16-89, Cl. 367-88.000.

Breiner, Steven J.; and Lochmuller, Charles H., to Duke University. Ampholyte separation method and apparatus. 4,834,862, 5-30-89, Cl. 204-301.000.
Breining, Frank E., to Airmaster Fan Company. Interlocking fan guard. 4,861,230, 8-29-89, Cl. 416-247.00R.
Breipohl, Gerhard; Knolle, Jochen; Konig, Wolfgang; and Scholkens, Bernward, to Hoechst Aktiengesellschaft. Peptides with vasorelaxant, natriuretic and diuretic effects a process for their preparation, agents containing them, and their use. 4,861,755, 8-29-89, Cl. 514-11.000.
Breit, Henry F.: *See—*
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Breitbarth, Warren H., to Caterpillar Inc. Pushrod retainer. 4,864,983, 9-12-89, Cl. 123-90.610.
Breiten, Charles P.; Stanasolovich, David; and Theisen, Jacob F., to International Business Machines Corporation. Planarization process for wide trench isolation. 4,836,385, 6-6-89, Cl. 156-643.000.
Breitenbach, Otto: *See—*
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Breitenbacher, Juergen; Kuehle, Walter; Moennings, Roland; Neumann, Udo; and Schramm, Wolfgang, to Robert Bosch GmbH. Pneumatic suspension for motor vehicles. 4,852,863, 8-1-89, Cl. 267-218.000.
Breitenmoser, Georg; and Faber Guy, to BBC Brown Boveri AG. Method of joining nodular cast iron to steel by means of fusion welding. 4,817,859, 4-4-89, Cl. 228-226.000.
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Breiter, Horst; Enger, Helmut; and Teuwen, Uwe, to Hoechst Maschinenfabrik Deutschland AG. Hot press for pressing industrial laminates. 4,854,994, 8-8-89, Cl. 156-228.000.
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Breitscheidel, Hans-Ulrich; Klaar, Karlo; and Spielau, Paul, to Dynamit Nobel Aktiengesellschaft. Process for the production of multiple-layer moldings. 4,826,552, 5-2-89, Cl. 156-221.000.
Breitscheidel, Hans-Ulrich; Kautz, Rudolf; and Sandermann, Karl-Heinz, to Huels Troisdorf Aktiengesellschaft; and Balsam Sportstattenbau & Co. KG. Multilayer composite sheet, especially for use as a padding layer under artificial grass. 4,882,208, 11-21-89, Cl. 428-17.000.
Breitschmid, Ulrich, to Curaden AG. Interdental cleaning device 4,809,389, 3-7-89, Cl. 151-167.100.
Breitzke, Willi, to Henkel Kommanditgesellschaft auf Aktien. Emulsifying compositions for suppository bases and suppositories produced therefrom. 4,871,777, 10-3-89, Cl. 514-785.000.
Breitzke, Willi; and Hensen, Hermann, to Henkel Kommanditgesellschaft auf Aktien. Aqueous preparations of sodium lauryl sulfate and myristyl sulfate having a low cloud point useful in making toothpastes. 4,876,035, 10-24-89, Cl. 252-550.000.
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Brekelmans, Johannes H. A.: *See—*
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  Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Chekurishvili, Gia O.; Brekhman, Izrail I.; Bulanov, Alexandr E.; and Polozhentseva, Mira I., 4,877,772, Cl. 514-23.000.
Brekkestran, Kevin L.; and Thomas, John C., to J. I. Case Company. Electronic control system for powershift transmission. 4,855,913, 8-8-89, Cl. 364-424.100.
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  Brown, Thomas R.; Logan, Richard H.; Hahn, Robert W.; Rodeghiero, Charles D.; and Brekkestran, Kevin L., 4,852,680, Cl. 180-287.000.
  Nystuen, Paul A.; Batcheller, Barry D.; Brekkestran, Kevin L.; and Kraning, Calvin J., 4,802,545, Cl. 180-135.000.
Breliere, Jean C.; Emonds-Alt, Xavier; and Garcia, Georges, to Sanofi. Anti-inflammatory products derived from methylene-diphosphonic acid, and process for their preparation. 4,876,248, 10-24-89, Cl. 514-108.000.
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  Barbier, Alain; Breliere, Jean-Claude; and Garcia, Georges, 4,876,247, Cl. 514-89.000.
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  Norton, Don S., 4,810,102, Cl. 383-4.000.
Brell, Siegfried. Self-supporting tent. 4,880,024, 11-14-89, Cl. 135-101.000.
Brellmann, Jean: *See—*
  Pierre, Michel; Ruppel, Remy; and Brellmann, Jean, 4,806,408, Cl. 428-76.000.
Brembeck, Howard S.; and Swartzendruber, Ray E., to CTB, Inc. Poultry feeder assembly. 4,834,026, 5-30-89, Cl. 119-53.000.
Brembo S.p.A.: *See—*
  Giorgetti, Alberto; and Gotti, Giovanni, 4,865,167, Cl. 188-218.0XL.
  Giorgetti, Alberto; and Lavezzi, Roberto, 4,886,323, Cl. 303-113.000.
Bremer Brace of Florida, Inc.: *See—*
  Bremer, Ross L., 4,854,305, Cl. 128-75.000.
Bremer, Fridtjof; and Muijderman, Everhardus, to U.S. Philips Corporation. Hydrodynamic spiral-grooved journal bearing for electromagnetically rotated and reciprocated compressor piston. 4,799,421, 1-24-89, Cl. 92-162.00R.
Bremer, Jurgen; Fuchs, Andreas; and Marquardt, Rainer, to Siemens Aktiengesellschaft. Low-inductance bus bar arrangement. 4,809,153, 2-28-89, Cl. 363-141.000.
Bremer, Karl-Heinz: *See—*
  Oberhausen, Erich; Kuhlmann, Ludwig; Seibert, Gerhard; Steinstrasser, Axel; Schroth, Hans-Joachim; and Bremer, Karl-Heinz, 4,885,151, Cl. 424-1.100.
Bremer Orthopedics, Inc.: *See—*
  Bremer, Paul W.; and Kesselman, David A., 4,838,264, Cl. 128-303.00B.
Bremer, Paul W.; and Kesselman, David A., to Bremer Orthopedics, Inc. Torque limiting device for use with bone penetrating pins. 4,838,264, 6-13-89, Cl. 128-303.00B.
Bremer, Robert: *See—*
  Bong, Ban S.; Yu, Francis T.; and Bremer, Robert, 4,888,566, Cl. 331-116.00R.
Bremer, Ross L.; and Hogshead, Howard P., to Bremer, Ross L. Apparatus for positioning and supporting a patient for spinal surgery. 4,840,362, 6-20-89, Cl. 269-328.000.
Bremer, Ross L., to Bremer Brace of Florida, Inc. Radiolucent transport and diagnostic procedure board. 4,854,305, 8-8-89, Cl. 128-75.000.
Bremmer, Jacob G.; and Jaspers, Cornelis A. M., to U.S. Philips Corp. Picture pick-up device with an image sensor in the form of a charge transfer device. 4,802,011, 1-31-89, Cl. 358-213.150.
Bremmer, Robert A.; Kovner, Vladimir; and Stone, Dennis C., to Magnetic Peripherals Inc. Method and apparatus for recording data. 4,799,112, 1-17-89, Cl. 360-31.000.
Bremmer, Robin J.; and Baker, Roscoe A., to Cummins Engine Company, Inc. Dual spring air fuel control for the PT fuel system. 4,869,219, 9-26-89, Cl. 123-383.000.
Bremner, Gordon: *See—*
  Winyard, Frank; Bremner, Gordon; and Petroff, Cvetan, 4,862,590, Cl. 30-161.000.
Bremner, Robert; Duffy, Hugh; and Miller, Burton E., to Raychem Corporation. Electrical heaters. 4,822,983, 4-18-89, Cl. 219-505.000.
Bremner, Robert J.: *See—*
  Dunn, Charlton; Bremner, Robert J.; and Meng, Sen Y., 4,874,575, Cl. 376-404.000.
Bremond-Gregoire, Patrice M. A.: *See—*
  Burkhardt, Kenneth J., Jr.; Gerbehy, Jay L.; Skapinetz, Theodore J.; and Bremond-Gregoire, Patrice M. A., 4,866,664, Cl. 364-900.000.
Bremond, Jacques: *See—*
  Sauron, Albert; and Bremond, Jacques, 4,867,636, Cl. 415-160.000.
Brems, John H. Rotary reversible indexing mechanism. 4,796,477, 1-10-89, Cl. 74-52.000.
Brems, John H. Reversing mechanism having great kinematic versatility. 4,819,492, 4-11-89, Cl. 74-52.000.
Brems, John H. Differential rotary-to-rotary cam system to achieve long dwell periods with continuous rotary input. 4,836,040, 6-6-89, Cl. 74-63.000.
Brems, John H.; and Mason, Arthur C., to Lamb Technicon Corp. Workpiece transfer system. 4,865,180, 9-12-89, Cl. 198-468.600.
Brenac, Ariel: *See—*
  Baptist, Robert; Brenac, Ariel; Chauvet, Gerard; Meyer, Robert; and Muller, Francis, 4,835,438, Cl. 313-309.000.
Brenardi, Ara; and Parrish, Frank B., to Teradyne, Inc. Digital-to-analog calibration system. 4,829,236, 5-9-89, Cl. 324-73.00R.
Brendecke, Hermann: *See—*
  Ziegler, Horst; Brendecke, Hermann; and Hauptmann, Veit, 4,848,923, Cl. 374-117.000.
Brendel, Bernhard: *See—*
  Schrors, Gunter; Brendel, Bernhard; and Hartmann, Werner, 4,877,331, Cl. 374-153.000.

Brendel, Klaus; and Duhamel, Raymond C., to University Patents, Inc. Body implants of extracellular matrix and means and methods of making and using such implants. 4,801,299, 1-31-89, Cl. 623-1.000.
Brenden, Byron B.; and Peters, Timothy J., to Battelle Memorial Institute. Optical inspection system for cylindrical objects. 4,808,001, 2-28-89, Cl. 356-394.000.
Brendgord, Thomas; Sanders, Ward L.; and Coon, Dennis C., to American Sterilizer Company. Orthopedic table with movable upper body and sacrum supports. 4,872,656, 10-10-89, Cl. 269-322.000.
Breneman, Bruce C.: *See—*
  Burnett, Sibley C.; Purcell, John R.; Breneman, Bruce C.; and Sarwinski, Raymond E., 4,841,268, Cl. 335-216.000.
Breneman, James C. Device and mixture for testing for immune responses to food. 4,818,707, 4-4-89, Cl. 436-513.000.
Breneman, Warren R., to Woodford Industries, Inc. Freezeless wall faucet having removable cartridge. 4,821,762, 4-18-89, Cl. 137-218.000.
Breneman, William C.; Flagella, Robert N.; Gaston, Jon M.; and Hagan, David W., to Union Carbide Corporation. Process for the production of ultra high purity polycrystalline silicon. 4,826,668, 5-2-89, Cl. 423-349.000.
Brenez, Simon, to Ateliers de Construction E. Molinet. Dispensing cock for liquid, notably for beer. 4,821,764, 4-18-89, Cl. 137-238.000.
Brengauz, Alexander: *See—*
  Reynolds, Bruce A.; and Brengauz, Alexander, 4,882,764, Cl. 382-8.000.
  Reynolds, Bruce A.; and Brengauz, Alexander, 4,885,785, Cl. 382-8.000.
Brenholdt, Irving R., to Champion International Corporation. Temperature-compensated apparatus and method for determining pulp stock consistency. 4,838,692, 6-13-89, Cl. 356-343.000.
Brenholdt, Niels: *See—*
  Pedersen, Mogens; Wiesel, Gunther; and Brenholdt, Niels, 4,811,677, Cl. 114-89.000.
Brenholt, David L., to Translab, Inc. Fishing lure. 4,869,012, 9-26-89, Cl. 43-42.100.
Breniman, Eugene H.: *See—*
  McElfresh, Barbara K.; and Breniman, Eugene H., 4,856,001, Cl. 371-15.000.
Brenk, Michael; and Ernst, Renate, to Hoechst Aktiengesellschaft. Aluminum or an aluminum alloy support material for use in offset printing plates. 4,853,093, 8-1-89, Cl. 204-37.600.
Brennan, Brian W., to Simmonds Precision Products, Inc. Method of actuation and flight control. 4,845,357, 7-4-89, Cl. 250-227.000.
Brennan, Brian W., to Simmonds Precision Products, Inc. Fiber optic speed sensing for a rotating shaft. 4,870,270, 9-26-89, Cl. 250-227.000.
Brennan, Daniel G.; Gutwald, Mark J.; and Miller, Leonard J., to TRW Inc. Method and apparatus for detecting excessive current draw in an electrical load. 4,819,117, 4-4-89, Cl. 361-18.000.
Brennan, H. George. Nasal tampon and method for using. 4,883,465, 11-28-89, Cl. 604-96.000.
Brennan, John J.; Layden, George K.; and Prewo, Karl M., to United Technologies Corporation. Oxidation resistant fiber reinforced composite article. 4,857,485, 8-15-89, Cl. 501-7.000.
Brennan, Joseph E., to Union Machine Company of Lynn. Two-stroke cycle engine and pump having three-stroke cycle effect. 4,834,032, 5-30-89, Cl. 123-51.0BA.
Brennan, Kevin F., to Polaroid Corporation. Avalanche photodetector. 4,839,706, 6-13-89, Cl. 357-30.000.
Brennan, Matthew T.; and Moruzzi, James A., to SMA Controls, Inc. Boiler repair. 4,830,551, 5-16-89, Cl. 408-82.000.
Brennan, Michael A.: *See—*
  Toutant, Roy T.; Perry, David S.; Brennan, Michael A.; Kreko, James E.; and Dilk, Mark A., 4,878,368, Cl. 72-9.000.
Brennan, Michael E.: *See—*
  Klein, Howard P.; and Brennan, Michael E., 4,820,810, Cl. 536-4.100.
  Speranza, George P.; Brennan, Michael E.; and Lin, Jiang-Jen, 4,885,390, Cl. 564-475.000.
Brennan, Michael J., Jr.: *See—*
  Bedard, Donna L.; and Brennan, Michael J., Jr., 4,843,007, Cl. 435-252.100.
  Bedard, Donna L.; and Brennan, Michael J., Jr., 4,876,201, Cl. 435-262.000.
Brennan, Robert A.: *See—*
  Reifsnyder, Richard H.; Spencer, Robert W.; and Brennan, Robert A., 4,804,297, Cl. 405-222.000.
Brennan, Robert J.: *See—*
  Philippson, Walter M.; Brennan, Robert J.; and Meighen, Terrence, 4,889,503, Cl. 439-610.000.
Brennan, Robert P.; Camelon, Joseph; and Trudel, J. Bernard, to Trillium Telephone Systems Inc. Subscriber set programming module. 4,805,211, 2-14-89, Cl. 379-355.000.
Brennan, Thomas J.; and Evans, James A., to Stryker Corporation. Electric motor sterilizable surgical power tool. 4,873,461, 10-10-89, Cl. 310-47.000.
Brennan, Thomas J.: *See—*
  Rhodes, Thomas R.; and Brennan, Thomas J., 4,854,244, Cl. 104-279.000.
Brennan, Thomas M.; and Hendrick, Michael E., to Pfizer, Inc. Branched amides of L-aspartyl-D-amino acid dipeptides. 4,797,298, 1-10-89, Cl. 426-548.000.
Brennan, Thomas M.; and Hendrick, Michael E., to Pfizer, Inc. Branched amides of L-aspartyl-D-amino acid dipeptides. 4,804,782, 2-14-89, Cl. 564-193.000.
Brennan, Thomas M.; and Hendrick, Michael E., to Pfizer Inc. Branched amides of L-aspartyl-D-amino acid dipeptides. 4,855,454, 8-8-89, Cl. 549-68.000.
Brennan, Thomas M.; and Hendrick, Michael E., to Pfizer Inc. Branched amides of L-aspartyl-D-amino acid dipeptides. 4,870,190, 9-26-89, Cl. 549-38.000.
Brennan, Thomas M.: *See—*
  Brueck, Steven R. J.; Schaus, Christian F.; Osinski, Marek A.; McInerney, John G.; Raja, M. Yasin A.; Brennan, Thomas M.; and Hammons, Burrell E., 4,881,236, Cl. 372-45.000.
Brennecke, James H.; and Mace, Robert E., to BHA Group, Inc. Tensioning device for bag filters. 4,813,985, 3-21-89, Cl. 55-378.000.
Brennecke, James H.; and Mace, Robert E., to BHA Group, Inc. Tensioning device for bag filters. 4,867,771, 9-19-89, Cl. 55-378.000.
Brenneisen, Kurt; and Lehr, Friedrich, to Sandoz Ltd. Copper complexes of disazo compounds having two substituted 2-hydroxyphenyl diazo component radicals and two 3-methylpyrazol-5-one coupling component radicals. 4,820,808, 4-11-89, Cl. 534-624.000.
Brenneman, Allen J.; Buck, Harvey B., Jr.; Pugh, Jerry T.; and Robertson, Steven P., to Miles Inc. Separator device and method. 4,798,577, 1-17-89, Cl. 494-67.000.
Brenneman, Rodney A.; and Lovejoy, Charles K., to Kendall McGaw Laboratories, Inc. Stylet wire retainer. 4,850,983, 7-25-89, Cl. 604-270.000.
Brenneman, William L.: *See—*
  Robinson, Peter W.; Shapiro, Eugene; and Brenneman, William L., 4,810,310, Cl. 148-11.50C.
Brennen, Michael B.; and Abbondanti, Alberto, to Westinghouse Electric Corp. Transmission line voltage detector for static VAR generator. 4,811,236, 3-7-89, Cl. 364-483.000.
Brenner Associates, Ltd.: *See—*
  Collins, Scott J.; and Strandell, Timothy B., 4,824,272, Cl. 401-197.000.
Brenner, Karl; Eggersdorfer, Manfred; Ruppel, Wilhelm; Schultheiss, Harald; and Scholz, Hans-Ulrich, to Basf Aktiengesellschaft. Continuous preparation of aldehydes and ketones. 4,816,606, 3-28-89, Cl. 568-402.000.
Brenner, Karl-Heinz; and Huang, Alan, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical spatial logic arrangement. 4,842,370, 6-27-89, Cl. 350-321.000.
Brenner, Nathaniel; and Osborne, James C., Jr., to Beckman Instruments, Inc. Separation of zone formation from electroosmotic impulse in tubular electrophoretic systems. 4,859,301, 8-22-89, Cl. 204-180.100.
Brenner, Robert A., to Whirlpool Corporation. Compact transmission for automatic washer. 4,807,452, 2-28-89, Cl. 68-23.300.
Brenner, Robert A.; and Mason, Anthony, to Whirlpool Corporation. Flotation controlled drive for an automatic washer. 4,837,882, 6-13-89, Cl. 8-159.000.
Brenner, Werner, to Ciba-Geigy Corporation. Process for the preparation of vat dyes from brominated dibenzanthrone and 1-aminoanthraquinone. 4,851,157, 7-25-89, Cl. 260-356.000.
Brennfleck, Karl: *See—*
  Schmaderer, Franz; Wahl, Georg F.; Dustmann, Cord-Heinrich; Fitzer, Erich; Brennfleck, Karl; and Dietrich, Manfred, 4,849,288, Cl. 428-366.000.
Brennock, June T.: *See—*
  Willman, Kenneth W.; Brennock, June T.; O'Neill, David C.; and Szkutak, Joan B., 4,839,076, Cl. 252-90.000.
Brenson, Inc.: *See—*
  Emmett, David M.; Hughes, John H.; and Zimmerman, Alan, 4,829,326, Cl. 346-157.000.
Brent, Richard J.; and Moss, Brian F., to Ciba-Geigy AG. Contrast monitor. 4,812,882, 3-14-89, Cl. 355-77.000.
Brent, Richard J.: *See—*
  Moss, Brian F.; and Brent, Richard J., 4,812,867, Cl. 354-313.000.
Brent, Robert: *See—*
  Fredrick, William; Brent, Robert; and Baldwin, Peter, 4,873,616, Cl. 363-17.000.
  Fredrick, William; Brent, Robert; and Baldwain, Peter, 4,873,617, Cl. 363-17.000.
  Fredrick, William; Brent, Robert; and Baldwin, Peter, 4,873,618, Cl. 363-17.000.
Brent, Roger; and Ptashne, Mark S., to President and Fellows of Harvard College. Regulation of eucaryotic gene expression. 4,833,080, 5-23-89, Cl. 435-172.300.
Brentar, Francisco X.: *See—*
  Batchelder, Paul J.; and Brentar, Francisco X., 4,794,735, Cl. 49-503.000.
  DeSantis, Gerald J.; and Brentar, Francisco X., 4,831,503, Cl. 362-80.000.
  Herringshaw, Steven D.; Szefi, Robert J.; Batchelder, Paul J.; and Brentar, Francisco X., 4,827,671, Cl. 49-503.000.
Brenza, James G., to International Business Machines Corporation. Variable address mode cache. 4,797,814, 1-10-89, Cl. 364-200.000.
Breon, Mark S.; Buuck, Bryce A.; and Ecklund, Leslie L., to Eaton Corporation. Fluid operated chain or belt tensioning device. 4,826,470, 5-2-89, Cl. 474-110.000.
Brereton, Colin, to Imperial Chemical Industries PLC. Electrolytic cell. 4,851,099, 7-25-89, Cl. 204-256.000.
Bres, Herve', to Rhone-Poulenc Agrochimie. Process for the preparation of n-sulphonyl-n-(phosphonomethylglycyl) amines. 4,868,269, 9-19-89, Cl. 558-145.000.
Bres, Michel: *See—*
  Pelloux-Gervais, Pierre; Zapata, Richard; and Bres, Michel, 4,889,113, Cl. 128-201.250.

- Bresci, Bruno: *See—*
  - Magagnini, Pierluigi; Pedretti, Ugo; Perego, Giovanni; Bresci, Bruno; Carrozzino, Simona; and Roggero, Arnaldo, 4,833,229, Cl. 528-193.000.
- Brescia, Albert A.: *See—*
  - Zur Muhlen, Art D.; and Brescia, Albert A., 4,852,042, Cl. 364-900.000.
- Bresciani, Daniele: *See—*
  - Bielli, Paolo; Bresciani, Daniele; Contu, Salvatore; and Cocito, Giuseppe, 4,835,087, Cl. 430-318.000.
- Bresinska, Iwona: *See—*
  - Drago, Russell S.; and Bresinska, Iwona, 4,830,999, Cl. 502-74.000.
- Breslau, David, to Massachusetts Institute of Technology. Injection valve. 4,846,217, 7-11-89, Cl. 137-543.170.
- Breslawsky, Marc C.: *See—*
  - Beck, Christian A.; Breslawsky, Marc C.; and Forster, Hans R., 4,816,108, Cl. 156-356.000.
- Breslich, Francis N., Jr.; and Laakso, John H., to Du Pont de Nemours, E. I., and Company. Fiber reinforced centrifuge rotor. 4,817,453, 4-4-89, Cl. 74-572.000.
- Breslow, David S., to RTC Industries, Inc. Spring-urged shelf divider system. 4,830,201, 5-16-89, Cl. 211-184.000.
- Breslow, Jeffrey D.: *See—*
  - Kulesza, Ralph J.; Wimmer, Frank; and Breslow, Jeffrey D., 4,834,391, Cl. 273-393.000.
  - Terzian, Rouben T.; Breslow, Jeffrey D.; Rosenwinkel, Donald A.; and Zaruba, John V., 4,799,678, Cl. 273-1.00E.
  - Zaruba, John V.; Rosenwinkel, Donald A.; and Breslow, Jeffrey D., 4,852,886, Cl. 273-249.000.
- Breslow, Morrison, Terzian & Associates, Inc.: *See—*
  - Terzian, Rouben T., 4,884,991, Cl. 446-369.000.
- Breslube USA, Inc.: *See—*
  - Lappin, Francis J., 4,834,868, Cl. 208-184.000.
- Bresnahan, Pat. Concrete path paver. 4,878,778, 11-7-89, Cl. 404-105.000.
- Bresowar, Gerald E., to Combustion Engineering, Inc. Apparatus for dry scrubbing a hot gas and start-up process. 4,812,295, 3-14-89, Cl. 422-169.000.
- Bressers, Andreas J. M.; Coops, Peter; and Duijvestijn, Adrianus J., to U. S. Philips Corporation. Apparatus for optically scanning an information plane. 4,829,506, 5-9-89, Cl. 369-112.000.
- Bressler, Peter W.; Byar, Peter D.; Beck, Benjamin J.; Fluke, G. Gordon, Jr.; Magill, Brad; Winig, Gary; and Magill, Tracy H., to Magwin Enterprises, Inc. Device for transporting ski equipment. 4,856,811, 8-15-89, Cl. 280-652.000.
- Bresson, Clarence R.; and Mark, Harold W., to Phillips Petroleum Company. Ore flotation. 4,806,234, 2-21-89, Cl. 209-167.000.
- Bresson, Clarence R., to Phillips Petroleum Company. Ore flotation employing dimercaptothiadiazoles. 4,877,518, 10-31-89, Cl. 209-167.000.
- Bresson, Clarence R.; and Louthan, Rector P., to Phillips Petroleum Company. Ore flotation and sulfenyl dithiocarbamates as agents for use therein. 4,883,585, 11-28-89, Cl. 209-166.000.
- Bresson, Rene; and Cerutti, Jean-Pierre, to Societe Industrielle du Metal Usine (SIMU). Two-speed reducing mechanism for controlling closure devices with adjustable luminosity, of the type such as blinds with orientable slats and the like. 4,848,433, 7-18-89, Cl. 160-178.100.
- Bresson, Rene, to Societe Industrielle Du Metal Usine (SIMU). Brake release mechanism for motor operated roller blinds and shutters. 4,850,418, 7-25-89, Cl. 160-310.000.
- Bresson, Rene; and Bernier, Glauco M., to Breter S.p.A. Cam switch formed by modular units. 4,861,949, 8-29-89, Cl. 200-5.00R.
- Brestel, John R.: *See—*
  - Gabrielyan, Mher; and Brestel, John R., 4,883,102, Cl. 141-98.000.
- Brestel, Mordechai: *See—*
  - Yatsiv, Shaul; Gabay, Amnon; Brestel, Mordechai; and Blass, Judd, deceased, 4,847,852, Cl. 372-82.000.
- Brestle, Gary C.: *See—*
  - De Rosa, R. James; and Brestle, Gary C., 4,836,232, Cl. 135-99.000.
- Bret, Pierre: *See—*
  - Suck, Catherine; Bret, Pierre; and Pozzi, Jacques, 4,809,888, Cl. 222-402.110.
- Breter S.p.A.: *See—*
  - Bresson, Rene; and Bernier, Glauco M., 4,861,949, Cl. 200-5.00R.
- Bretl, Robert J.; and Taylor, Jewell A., to Lock-R-Lock, Inc. Push-button lock mechanisms. 4,866,958, 9-19-89, Cl. 70-25.000.
- Bretl, Robert J.: *See—*
  - Taylor, Jewell A.; and Bretl, Robert J., 4,862,714, Cl. 70-25.000.
- Bretl, Wayne E., to Zenith Electronics Corporation. Error masking in digital signal transmission. 4,829,523, 5-9-89, Cl. 371-31.000.
- Breton, Claude: *See—*
  - Ninane, Leon; and Breton, Claude, 4,797,981, Cl. 23-303.000.
- Breton, Eric, to General Electric CGR SA. Method for the application of gradient pulses in an imaging experiment using a nuclear magnetic resonance machine. 4,857,845, 8-15-89, Cl. 324-309.000.
- Breton, Eric: *See—*
  - Le Bihan, Denis; and Breton, Eric, 4,809,701, Cl. 128-653.000.
- Breton, Jacques L. G. High-powered negative ion generator in a gaseous medium with a high-strength electric field configuration. 4,816,684, 3-28-89, Cl. 250-423.00R.
- Breton, Marcel P.: *See—*
  - Martin, Trevor I.; Breton, Marcel P.; Branston, Randolph E.; Moffat, Karen A.; and Mychajlowskij, Walter, 4,855,209, Cl. 430-126.000.
- Breton, Roger J.: *See—*
  - Raub, John R.; and Breton, Roger J., 4,834,795, Cl. 99-486.000.
- Bretschneider, Gerd; and Kiesewetter, Dieter, to Swiss Aluminium Ltd. Freight container for air transport. 4,802,600, 2-7-89, Cl. 220-1.500.
- Brett, James F.; Sinor, Lawrence A.; and Warren, Tommy M., to Amoco Corporation. Method for modeling and building drill bits. 4,815,342, 3-28-89, Cl. 76-108.00A.
- Brett, James F.: *See—*
  - Warren, Tommy M.; Winters, Warren J.; and Brett, James F., 4,862,974, Cl. 175-61.000.
  - Warren, Tommy M.; Winters, Warren J.; and Brett, James F., 4,881,605, Cl. 175-320.000.
- Bretthauer, Hans J.: *See—*
  - Focke, Heinz; and Bretthauer, Hans J., 4,819,343, Cl. 34-187.000.
  - Focke, Heinz; and Bretthauer, Hans J., 4,840,010, Cl. 53-375.000.
- Brettle, Jack; and Trundle, Clive, to Plessey Company plc, The. Irreversible photochromic markings. 4,812,171, 3-14-89, Cl. 106-21.000.
- Brettle, Jack: *See—*
  - Bennion, Ian; Trundle, Clive; Brettle, Jack; Goodwin, Martin J.; and Glenn, Robert, 4,838,634, Cl. 350-96.120.
  - Heller, Harry G.; Oliver, Stephen N.; Whittall, John; Brettle, Jack; Trundle, Clive; and Baskerville, Martin W., 4,818,096, Cl. 351-163.000.
- Bretz, Philip E.; Sawtell, Ralph R.; and Hunt, Warren H., Jr., to Aluminum Company of America. Aluminum-lithium alloys having improved corrosion resistance and method. 4,797,165, 1-10-89, Cl. 148-12.70A.
- Bretz, Philip E.: *See—*
  - Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John E., 4,832,910, Cl. 420-528.000.
  - Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John, 4,869,870, Cl. 420-532.000.
  - Sawtell, Ralph R.; Bretz, Philip E.; and Jensen, Craig L., 4,874,440, Cl. 148-437.000.
- Breu, Heinz: *See—*
  - Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,813,255, Cl. 72-19.000.
  - Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,821,157, Cl. 362-241.000.
- Breu, Wendy W., to International Business Machines Corporation. Failing resource manager in a multiplex communication system. 4,873,687, 10-10-89, Cl. 371-8.200.
- Breucker, Theodor: *See—*
  - Hoppe, Hans; Breucker, Theodor; Ernst, Reinhard; and Storf, Robert, 4,859,067, Cl. 366-341.000.
- Breuer, Edgar; Costello, Philip; Gondek, Konrad; Hauswirth, Andreas; and Schmid, Richard, to Starrfrasmaschinen AG. Milling process and tool. 4,850,761, 7-25-89, Cl. 409-132.000.
- Breuer Electric Mfg. Co.: *See—*
  - Fischer, Ernest J., 4,799,282, Cl. 15-98.000.
- Breuer, Hermann; Drossard, Jakob-Matthias; Ermann, Peter H.; Straub, Henner; and Treuner, Uwe D., to E. R. Squibb & Sons, Inc. 2-oxo-1-(((substituted sulfonyl)amino)-carbonyl)azetidines. 4,801,705, 1-31-89, Cl. 540-357.000.
- Breuer, Jakob: *See—*
  - Reinehr, Ulrich; Pieper, Christian; Hirsch, Rolf-Burkhard; Jungverdorben, Hermann-Josef; and Breuer, Jakob, 4,854,021, Cl. 28-263.000.
- Breuer, Kornelia: *See—*
  - Raedisch, Helmer; Holzer, Gerhard; Gelderie, Udo; and Breuer, Kornelia, 4,826,914, Cl. 524-731.000.
- Breuer, Lothar: *See—*
  - Lang, Gunther; Maresch, Gerhard; Lenz, Hans-Rudi; Konrad, Eugen; Breuer, Lothar; and Hoch, Dietrich, 4,845,204, Cl. 536-20.000.
- Breuer, Miklos M.; and Hanak, Joseph A., to Gillette Canada Inc. Brush filaments. 4,802,255, 2-7-89, Cl. 15-159.00A.
- Breuer, Miklos M.; Kaszynski, Edwin G.; Shander, Douglas; Udin, Vera R.; and van der Lee, Hermes. Alteration of character of male beard growth. 4,885,289, 12-5-89, Cl. 514-170.000.
- Breuer, Oswald; Rassmann, Christoph; Pfefferle, Egon; and Schoop, Gunther-Dietmar, to Gewerkschaft Eisenhutte Westfalia GmbH. Floor cutters for mineral winning ploughs. 4,819,990, 4-11-89, Cl. 299-80.000.
- Breugelmans, Jacobus: *See—*
  - Auger, David; and Breugelmans, Jacobus, 4,885,727, Cl. 367-146.000.
- Breukelman, Stephen P.: *See—*
  - Roe, Anthony M.; Coates, William J.; Slater, Robert A.; and Breukelman, Stephen P., 4,820,819, Cl. 544-239.000.
- Breuleux, Gerald, legal representative: *See—*
  - Donatsch, Peter; Engel, Gunter; Hugi, Bruno; Richardson, Brian P.; Stadler, Paul A., deceased; Stadler, Hildegard R., heir; Stadler, Brigitte M., heir; Stadler, Sigrid A., heir, and Breuleux, Gerald, legal representative, 4,803,199, Cl. 514-214.000.
- Breuninger, Robert K., to Texas Instruments Incorporated. Programmable sequence generator. 4,858,178, 8-15-89, Cl. 364-900.000.
- Brevard, William: *See—*
  - Moore, Sewell T.; and Brevard, William, 4,845,148, Cl. 524-512.000.
  - Moore, Sewell T.; and Brevard, William, 4,880,498, Cl. 162-164.600.
- Breveglieri, Frank J.; and Streit, Kenneth F., to Geerpres, Inc. Utility cart. 4,869,518, 9-26-89, Cl. 280-47.350.
- Breveglieri, Franklin L., to Geerpres, Inc. Multiple tool holder assembly. 4,852,747, 8-1-89, Cl. 211-70.600.
- Brevetti Gaggia S.p.A.: *See—*
  - Bonanno, Francesco, 4,827,904, Cl. 126-379.000.

- Breville R & D Pty. Ltd.: *See—*
  - McClean, John W., 4,872,764, Cl. 366-251.000.
- Brew, Allan T., to Imperial Chemical Industries PLC. Fire resistant composite materials. 4,888,233, 12-19-89, Cl. 428-220.000.
- Brewen, Ronnie M.; and Lloyd, David A., to American Stamp, Inc. Postage ad labels. 4,872,706, 10-10-89, Cl. 283-81.000.
- Brewer, Alan W., to Bunn-O-Matic Corporation. Convertible beverage brewer. 4,867,048, 9-19-89, Cl. 99-283.000.
- Brewer, Alan W., to Bunn-O-Matic Corporation. Elevated beverage brewer with side discharge. 4,869,158, 9-26-89, Cl. 99-279.000.
- Brewer, Andrew J.; Gunn, Jeffrey W.; and Hagan, James P., to APV Rosista, Inc. Valve with safety vent seal. 4,834,266, 5-30-89, Cl. 222-147.000.
- Brewer, Arthur D., to Uniroyal Chemical Ltd./Ltee. Purification of 5-pyrimidinecarboxamides. 4,845,217, 7-4-89, Cl. 544-301.000.
- Brewer, Arthur D., to Uniroyal Chemical Ltd./Ltee. Method for reducing serum uric acid levels. 4,879,276, 11-7-89, Cl. 514-43.000.
- Brewer, Bradley J.: *See—*
  - Laidlaw, Curtis L.; and Brewer, Bradley J., 4,889,460, Cl. 411-437.000.
- Brewer, Bruce L.: *See—*
  - Dotson, Richard N.; and Brewer, Bruce L., 4,828,102, Cl. 198-588.000.
- Brewer, Charles A., Jr. Plaque and calculus remover for tissue integrated dental prosthesis. 4,795,344, 1-3-89, Cl. 433-143.000.
- Brewer, Clarence R., Sr.; and Young, Mark D. Measuring, cutting and rolling apparatus. 4,817,882, 4-4-89, Cl. 242-56.00R.
- Brewer, David C.; Lindberg, Conrad P.; and Lindberg, Paul M., to Electronic Research Group, Inc. Integrated uninterruptible power supply for personal computers. 4,860,185, 8-22-89, Cl. 363-41.000.
- Brewer, Earl G.; and Lee, Robert W., to General Motors Corporation. Die-upset manufacture to produce high volume fractions of RE-Fe-B type magnetically aligned material. 4,859,410, 8-22-89, Cl. 419-10.000.
- Brewer, Earl G.; Lee, Robert W.; and Croat, John J., to General Motors Corporation. Method for producing anisotropic RE-FE-B type magnetically aligned material. 4,881,985, 11-21-89, Cl. 148-103.000.
- Brewer, Edward L.; and Clark, John M., to Henny Penny Corporation. Locking mechanism for a pressure cooker. 4,840,287, 6-20-89, Cl. 220-316.000.
- Brewer, Edward L., to Frymaster Corporation, The. High efficiency frying apparatus with supercharged burner system. 4,848,318, 7-18-89, Cl. 126-390.000.
- Brewer, George D.; and Marshall, David P., to United States of America, Air Force. Combination boundary layer control system for high altitude aircraft. 4,807,831, 2-28-89, Cl. 244-117.00A.
- Brewer, George W. Slide sorter and viewer. 4,858,356, 8-22-89, Cl. 40-366.000.
- Brewer, Henry E. Cranking board for gasoline powered hand tool. 4,880,198, 11-14-89, Cl. 248-346.000.
- Brewer, Jim: *See—*
  - Phillips, Eddie; Harville, Dyle; Lee, Mildred; Kirby, Danny; Ellison, Kathleen; Smithy, Mary J.; McNutt, Eugene; Gholston, Yvonne; Brewer, Jim; and McClure, Charles, 4,887,774, Cl. 242-58.600.
- Brewer, John H.; and Foster, Terry L., to Fairleigh Dickinson Laboratories, Inc. Identification of viral associated immunoreactants in biological fluids. 4,810,629, 3-7-89, Cl. 435-5.000.
- Brewer, John H. T.: *See—*
  - Perry, Melvyn; Brewer, John H. T.; and Stocks, Derek S., 4,848,211, Cl. 89-36.020.
- Brewer, Michael: *See—*
  - Andrews, Linda; Brewer, Michael; and Vassiladis, Arthur, 4,864,410, Cl. 358-443.000.
- Brewer, Richard: *See—*
  - Heinrich, William P.; Leopoldi, Norbert; and Brewer, Richard, 4,850,976, Cl. 604-192.000.
- Brewer Science, Inc.: *See—*
  - Brewer, Terry L.; Hawley, Dan W.; Lamb, James E.; Latham, William J.; and Stichnote, Lynn K., 4,876,165, Cl. 430-7.000.
  - Latham, William J.; Brewer, Terry L.; and Hunninghake, Jeffry, 4,822,718, Cl. 430-271.000.
- Brewer, Stephen J.; and Sassenfeld, Helmut M., to G. D. Searle & Co. Fused polypeptides and methods for their detection. 4,880,911, 11-14-89, Cl. 530-351.000.
- Brewer, Terry L.; Hawley, Dan W.; Lamb, James E.; Latham, William J.; and Stichnote, Lynn K., to Brewer Science, Inc. Light filters for microelectronics. 4,876,165, 10-24-89, Cl. 430-7.000.
- Brewer, Terry L.: *See—*
  - Latham, William J.; Brewer, Terry L.; and Hunninghake, Jeffry, 4,822,718, Cl. 430-271.000.
- Brewer, Tony M., to Data General Corporation. Method of addressing a computer memory. 4,884,244, 11-28-89, Cl. 365-240.000.
- Brewerton, Robert W. Mooring system. 4,841,895, 6-27-89, Cl. 114-230.000.
- Brewing Research Foundation, The: *See—*
  - Daoud, Iyadh S., 4,844,932, Cl. 426-489.000.
- Brewster, Andrew G.; Brown, George R.; and Smithers, Michael J., to Imperial Chemical Industries PLC. Pharmaceutical agents. 4,803,220, 2-7-89, Cl. 514-452.000.
- Brewster, Blair M. Reflective marker for an object. 4,863,238, 9-5-89, Cl. 350-97.000.
- Brewster, Phillip W.: *See—*
  - Norton, James H.; Nywening, William; Brewster, Phillip W.; and Alexander, A. Gordon, 4,822,503, Cl. 252-33.600.
- Brewster, Steven L., to Dow Chemical Company, The. Process of modifying polymers to produce a more readily paintable surface. 4,806,296, 2-21-89, Cl. 264-83.000.
- Brewster, Steven L., to Dow Chemical Company, The. Stable thiocyanogen composition. 4,885,150, 12-5-89, Cl. 423-366.000.
- Brewster, Steven L.: *See—*
  - McCullough, Francis P., Jr.; Dick, Clarence R.; and Brewster, Steven L., 4,868,038, Cl. 428-222.000.
- Brewton, Gary W.: *See—*
  - Duvic, Madeleine; and Brewton, Gary W., 4,804,651, Cl. 514-50.000.
- Breyer, Karl-Hermann; and Koch, Klaus P., to Carl-Zeiss-Stiftung. Optoelectronic distance sensor with visible pilot beam. 4,825,091, 4-25-89, Cl. 250-560.000.
- Breyer, Karl-Hermann; Schepperle, Karl; Georgi, Bernd; and Wimmer, Martin, to Carl-Zeiss-Stiftung, Heidenheim/Brenz. Method and means for controlling a coordinate-measuring instrument. 4,835,718, 5-30-89, Cl. 364-560.000.
- Breyer, Karl-Hermann; Herzog, Klaus; and Szenger, Franz, to Carl-Zeiss-Stiftung, Heidenheim/Brenz. Probe head for a coordinate-measuring instrument. 4,882,848, 11-28-89, Cl. 33-559.000.
- Brezette, Michael W.; Schaffer, Robert A.; Burns, Fredrick B.; and Moon, Howard R., to EZ Paintr Corporation. Pad attachment for paint roller assemblies. 4,829,623, 5-16-89, Cl. 15-246.000.
- Brezillon, Jean L., to Saft, S.A. Method of manufacturing plastified electrodes for storage batteries. 4,806,441, 2-21-89, Cl. 429-241.000.
- Brezoczky, Blasius; and Hopner, Emil, to International Business Machines Corporation. High speed magnetic disk contact recording system. 4,819,091, 4-4-89, Cl. 360-97.010.
- BRG Mechatronikai Vallalat: *See—*
  - Gabor, Szoradi; and Sandor, Nagy, 4,878,007, Cl. 320-14.000.
  - Nagy, Gabor; Neumann, Gyorgy; Kovacs, Marta; and Strompl, Andras, 4,877,199, Cl. 242-201.000.
- Brian, Barry W., to Air Products and Chemicals, Inc. Temperature moderation with water of an oxygen enriched Claus sulfur plant. 4,888,162, 12-19-89, Cl. 423-574.00R.
- Brian Christopher Coupe: *See—*
  - Loosemore, John C., 4,817,442, Cl. 73-863.560.
- Brian, Riley; and Szreders, Bernard E., to United States of America, Energy. Fabrication of solid oxide fuel cell by electrochemical vapor deposition. 4,831,965, 5-23-89, Cl. 118-725.000.
- Briana, Stephen G.: *See—*
  - Gilding, D. Keith; Reed, Andrew M.; Askill, Ian N.; and Briana, Stephen G., 4,813,966, Cl. 623-66.000.
- Briane, Alain; Chevalier, Michel; and Bouaziz, Joel, to Bull, S.A. Identification card reader encoder. 4,806,744, 2-21-89, Cl. 235-477.000.
- Briar, Herman P.; and Cribbs, Robert W. Method and apparatus for speech analysis. 4,817,155, 3-28-89, Cl. 381-36.000.
- Brice, Frank W., Jr.; and Weingarten, Robert A., to International Business Machines Corporation. Automatic feedback of network topology data. 4,825,206, 4-25-89, Cl. 340-825.020.
- Brich, Zdenek: *See—*
  - Franz, Joachim; Prikoszovich, Walter; and Brich, Zdenek, 4,801,739, Cl. 560-185.000.
- Bricheno, Terry, to STC PLC. Directional coupler. 4,801,185, 1-31-89, Cl. 350-96.150.
- Bricheno, Terry: *See—*
  - Byron, Kevin C.; Bricheno, Terry; Fielding, Alan; Pitt, Nicholas J.; and Baker, Robert A., 4,863,231, Cl. 350-96.160.
- Bricher, Charles W.; and Snetting, Mark E., to Tennant Company. Machine and method for preparing a concrete surface for coating. 4,822,431, 4-18-89, Cl. 134-28.000.
- Brick-Look, Inc.: *See—*
  - Jennings, Stephen R., 4,865,781, Cl. 264-35.000.
- Brick, Robert V.: *See—*
  - Mears, Eric L.; Hertel, Richard J.; Brick, Robert V.; and Holt, Carl J., Jr, 4,817,556, Cl. 118-503.000.
- Brick, Rowan O., to Boeing Company, The. Lightning protected structural surface. 4,824,713, 4-25-89, Cl. 428-144.000.
- Brickell, Ernest F.; Lee, Pil J.; and Yacobi, Yacov, to Bell Communications Research, Inc. Secure teleconferencing system. 4,845,749, 7-4-89, Cl. 380-46.000.
- Bricker, Jeffery C.; and Frame, Robert R., to UOP Inc. Catalytic composite and process for mercaptan sweetening. 4,824,818, 4-25-89, Cl. 502-163.000.
- Bricker, Jeffery C.: *See—*
  - Imai, Tamotsu; and Bricker, Jeffery C., 4,812,597, Cl. 585-443.000.
  - Imai, Tamotsu; Abrevaya, Hayim; Bricker, Jeffery C.; and Jan, Deng-Yang, 4,827,072, Cl. 585-443.000.
- Bricker, Maureen L., to Allied-Signal Inc. Palladium-containing catalyst for treatment of automotive exhaust and method of manufacturing the catalyst. 4,868,149, 9-19-89, Cl. 502-303.000.
- Brickett, Alan E., to Kershaw Manufacturing Co., Inc. Method and apparatus for re-railing working platforms. 4,809,615, 3-7-89, Cl. 105-72.200.
- Brickl, Rolf; Schepky, Gottfried; Rupprecht, Eckhard; and Greischel, Andreas, to Dr. Karl Thomae GmbH. Oral anti-diabetic pharmaceutical compositions and the preparation thereof. 4,873,080, 10-10-89, Cl. 424-80.000.
- Brickl, Rolf: *See—*
  - Schepky, Gottfried; Brickl, Rolf; Rupprecht, Eckhard; and Greischel, Andreas, 4,863,724, Cl. 424-80.000.
- Brickner, Donald J. Method for cutting slot in a head form. 4,815,900, 3-28-89, Cl. 409-132.000.

- Brickner, Laurence R.: *See—*
  - Vercellotti, Leonard C.; Anderson, Arthur A.; Christiansen, David A.; Johnson, Dannis R.; Brickner, Laurence R.; Colclaser, Robert G., III; and Leddy, John G., 4,885,564, Cl. 340-310.00A.
- Brickner, Melvin J. Concrete fence post. 4,824,077, 4-25-89, Cl. 256-51.000.
- Bricmont, Francis H. Apparatus for wrapping overlapping laps of strip material over a cylindrical object having an axial opening therein. 4,829,753, 5-16-89, Cl. 53-588.000.
- Bricmont, Francis H. Furnace enclosure or the like. 4,863,146, 9-5-89, Cl. 266-252.000.
- Bridenbaugh, James F.: *See—*
  - Walton, Charles F.; Sucheski, Robert J.; Bridenbaugh, James F.; and Chapman, James J., 4,858,381, Cl. 47-79.000.
- Bridenne Alaux, Martine; Marquet-Ellis, Hubert; Keller, Nelly; and Folcher, Gerard, deceased (by Folcher, Vereina, heiress, Vincent Folcher and Marc Folcher, heirs), to Commissariat A L'Energie Atomique. Process for the preparation of metal fluorides usable for the production of fluoride glasses. 4,857,294, 8-15-89, Cl. 423-489.000.
- Bridge, Corinne M. Method of hand-forming needlework patterns. 4,858,544, 8-22-89, Cl. 112-266.100.
- Bridge & Plate Construction Pty. Ltd.: *See—*
  - Pudney, Jack L.; and Baird, Richard M., 4,835,692, Cl. 364-424.010.
- Bridge Products, Inc.: *See—*
  - Pagani, Ezio, 4,819,685, Cl. 137-223.000.
  - Pagani, Ezio, 4,836,235, Cl. 137-223.000.
- Bridgeford, Douglas J.; and Hine, Rodney J., to Teepak, Inc. Polydextrose compounds as anti-pleat lock additives for cellulose containing casings. 4,844,129, 7-4-89, Cl. 138-118.100.
- Bridgeham, Daniel O.: *See—*
  - Barresi, James A.; Arndt, Kenneth C.; Young, Michael N.; Bridgeham, Daniel O.; and Hede, Howard H., 4,852,504, Cl. 110-346.000.
- Bridgeman, Gordon. Heat exchanger. 4,858,584, 8-22-89, Cl. 123-557.000.
- Bridges, Alexander J.; and Domagala, John M., to Warner-Lambert Company. Quinolones as antibacterial agents. 4,803,205, 2-7-89, Cl. 514-254.000.
- Bridges, Charles D.; and Hartwein, Kenneth J., to Vetco Gray Inc.; and Shell Offshore, Inc. Unidirectional filter for hydraulic systems. 4,834,177, 5-30-89, Cl. 166-250.000.
- Bridges, Geoffrey F., to Ford Motor Company. Method and apparatus for determining steering position of automotive steering mechanism. 4,848,791, 7-18-89, Cl. 280-707.000.
- Bridges, Jack E.; and Young, Vincent, to ORS Development Corporation. Heating system for rathole oil well. 4,821,798, 4-18-89, Cl. 166-60.000.
- Bridges, John A., to Aladdin Industries, Incorporated. Shelf having selectable orientations. 4,843,977, 7-4-89, Cl. 108-152.000.
- Bridges, John O. Slowly dissolving fishing lure attachment with scent mixture. 4,875,305, 10-24-89, Cl. 43-42.060.
- Bridges, Mark E., to Eastman Kodak Company. Adjustable mount for image sensor. 4,803,557, 2-7-89, Cl. 358-229.000.
- Bridges, Mark E.; and Easterly, Robert W., to Eastman Kodak Company. Video player sensor cable. 4,811,107, 3-7-89, Cl. 358-214.000.
- Bridges, Mark E., to Eastman Kodak Company. Film video player apparatus with selective image composing controls. 4,819,073, 4-4-89, Cl. 358-214.000.
- Bridges, Mark E., to Eastman Kodak Company. Light box with improved spectral response for CCD imager. 4,864,408, 9-5-89, Cl. 358-214.000.
- Bridges, Mark E.; Easterly, Robert W.; and Fredlund, John R., to Eastman Kodak Company. Apparatus and method for aligning a repositionable imaging sensor with a photographic image in a film video system. 4,875,103, 10-17-89, Cl. 358-214.000.
- Bridges, Mark E.: *See—*
  - Wirt, Michael L.; Sangregory, Jude; and Bridges, Mark E., 4,858,003, Cl. 358-102.000.
- Bridges, Paul D. Multiport manifold. 4,862,839, 9-5-89, Cl. 123-52.0MV.
- Bridges, Robert L.: *See—*
  - Vasquez, Tony E.; Bridges, Robert L.; Braunstein, Philip; and Jansholt, Anne-Line, 4,851,209, Cl. 424-1.100.
- Bridges, William: *See—*
  - DeMaria, Anthony J.; and Bridges, William, 4,813,052, Cl. 372-64.000.
- Bridges, William B.; and Bruno, William M., to United States of America, Navy. Dielectric waveguide using powdered material. 4,800,350, 1-24-89, Cl. 333-239.000.
- Bridges, William B., to California Institute of Technology. Coupled waveguide laser array. 4,884,282, 11-28-89, Cl. 372-97.000.
- Bridges, William G.; Armer, Thomas A.; and Chang, Kin-Shiung, to Olin Corporation. Process for manufacturing plastic pin grid arrays and the product produced thereby. 4,816,426, 3-28-89, Cl. 437-207.000.
- Bridges, William G.; and Armer, Thomas A., to Olin Corporation. Polymer/copper laminate and method for fabrication thereof. 4,833,022, 5-23-89, Cl. 428-337.000.
- Bridges, William G.; and Armer, Thomas A., to Olin Corporation. Polymer/copper laminate and method for fabrication thereof. 4,869,956, 9-26-89, Cl. 428-336.000.
- Bridgestone Corporation: *See—*
  - Azuma, Toshio, 4,838,137, Cl. 83-42.000.
  - Enami, Yasushi, 4,877,351, Cl. 405-86.000.
  - Endo, Kazuyuki; Taniguchi, Motoaki; Yamada, Shigeki; Takahashi, Masanobu; and Kato, Kenshiro, 4,811,773, Cl. 152-543.000.
  - Ezaki, Hiroshi; Kobayashi, Yoneji; and Iida, Katsumi, 4,874,171, Cl. 273-77.00A.
  - Fujimaki, Tatsuo; and Oshima, Noboru, 4,866,131, Cl. 525-96.000.
  - Fukahori, Yoshihide; Kojima, Hiromu; and Ogino, Akihiko, 4,830,927, Cl. 428-495.000.
  - Fukuda, Hiroya; Yaguchi, Hitoshi; Yokoyama, Kazuhumi; Tabata, Keiichiro; and Ohashi, Takashi, 4,830,916, Cl. 428-138.000.
  - Goshima, Norio; and Watanabe, Isao, 4,854,557, Cl. 267-64.270.
  - Goto, Hisashi; and Inoue, Osamu, 4,830,077, Cl. 152-209.00A.
  - Hagiwara, Yoshiaki; Ishida, Hiromi; and Takahashi, Takeyoshi, 4,840,491, Cl. 366-69.000.
  - Hara, Hideo; Maehara, Tadashi; Eshima, Masaharu; Morita, Hirofumi; and Kojima, Hiroshi, 4,815,514, Cl. 152-531.000.
  - Harada, Jumei; and Nishigai, Kazuhisa, 4,871,259, Cl. 366-85.000.
  - Hashimoto, Kunio; and Okazaki, Haruo, 4,809,844, Cl. 198-819.000.
  - Hashimoto, Takatsugu; and Tomiya, Seisuke, 4,889,677, Cl. 264-297.500.
  - Hiyama, Hisato; Joe, Yukiyasu; Kubota, Shunro; Tanaka, Toshihiko; and Kameda, Takuichi, 4,829,749, Cl. 53-538.000.
  - Ihara, Keisuke; Alaki, Yasuhide; and Nomura, Jun, 4,840,381, Cl. 273-232.000.
  - Ihara, Keisuke, 4,844,472, Cl. 273-232.000.
  - Ihara, Keisuke, 4,867,459, Cl. 273-232.000.
  - Imai, Isamu; and Inada, Norio, 4,807,682, Cl. 152-557.000.
  - Imai, Isamu; and Inada, Norio, 4,887,655, Cl. 152-531.000.
  - Inoue, Seizaburo; and Ryans, Glenn D., 4,822,236, Cl. 414-591.000.
  - Ishiharada, Minoru; Chikaraishi, Toshio; Kaneda, Hiroshi; and Tomita, Seisuke, 4,830,461, Cl. 350-96.290.
  - Ishii, Ryutaro, 4,812,196, Cl. 156-412.000.
  - Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki, Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi, Takashi, 4,887,923, Cl. 400-659.000.
  - Itoh, Michio; Saito, Tadashi; Okamura, Nobuyuki; Yamamoto, Hisao; Iseda, Yutaka; and Takagi, Hirohiko, 4,818,601, Cl. 428-297.000.
  - Itoh, Michio; Yamamoto, Hisao; and Okamura, Nobuyuki, 4,871,794, Cl. 524-254.000.
  - Kadota, Kuninobu, 4,807,681, Cl. 152-531.000.
  - Kadota, Kuninobu; and Masuda, Hidenori, 4,846,238, Cl. 152-554.000.
  - Kajita, Ryota; Esaki, Hiroshi; and Shimazaki, Hirato, 4,840,380, Cl. 273-77.00A.
  - Kawabata, Misao; and Kobayashi, Tetsuro, 4,796,683, Cl. 152-209.00R.
  - Kawajiri, Junichi, 4,799,523, Cl. 152-535.000.
  - Kimura, Hidetoshi, 4,844,768, Cl. 156-361.000.
  - Kobayashi, Kazuomi; and Nakano, Minoru, 4,865,103, Cl. 152-536.000.
  - Kondo, Hitoshi; Sasaki, Makoto; and Kobayashi, Yukio, 4,803,24, Cl. 525-211.000.
  - Koseki, Hiroyuki, 4,840,213, Cl. 152-454.000.
  - Kukimoto, Takashi, 4,840,210, Cl. 152-209.00A.
  - Kumagai, Yuzo; and Aoki, Yasutoshi, 4,846,907, Cl. 156-130.000.
  - Kumagai, Yuzo, 4,875,959, Cl. 156-123.000.
  - Makino, Shigeo, 4,840,211, Cl. 152-209.00R.
  - Mamada, Mamoru; Yahagi, Mitsuhisa; and Nakamura, Masao, 4,836,257, Cl. 152-209.00R.
  - Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
  - Matsuda, Hideki; and Takahashi, Hidenori, 4,884,606, Cl. 152-209.00R.
  - Matsumoto, Hiroyuki, 4,832,099, Cl. 152-209.00R.
  - Miyazaki, Tadaaki; Ogino, Takao; Masuda, Yoshitomo; and Kawagoe, Takahiro, 4,803,137, Cl. 429-194.000.
  - Mizuno, Keiichiro; and Iida, Kazuyoshi, 4,877,136, Cl. 206-521.000.
  - Morikawa, Akihiko; Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Oshima, Noboru; Hamada, Tatsuro; Fukuoka, Hiromi; Komatsu, Hideki; and Fujimaki, Tatsuo, 4,835,216, Cl. 525-77.000.
  - Morooka, Takuya, 4,815,920, Cl. 411-431.000.
  - Muramatsu, Tateo; Saito, Hideaki; Takasaki, Mamoru; and Enami, Yasushi, 4,836,713, Cl. 405-115.000.
  - Murase, Masanori; Tomita, Naotaka; and Iida, Kazuyoshi, 4,840,251, Cl. 181-206.000.
  - Murase, Masanori; Tomita, Naotaka; Mizuno, Keiichiro; and Iida, Kazuyoshi, 4,858,720, Cl. 181-176.000.
  - Murota, Nobuo; and Akiyama, Hitoshi, 4,848,969, Cl. 405-215.000.
  - Negishi, Koichi, 4,848,168, Cl. 73-865.800.
  - Nishizawa, Kuninori; Miura, Teruo; Watanabe, Yoichi; and Takagi, Hirohiko, 4,836,262, Cl. 152-451.000.
  - Noguchi, Takeshi; Orikawa, Michihiro; and Ishiyama, Tatsuro, 4,832,319, Cl. 267-140.100.
  - Noguchi, Takeshi; Kikuchi, Takashi; and Takano, Kazuya, 4,858,733, Cl. 188-267.000.
  - Noguchi, Takeshi; Takano, Kazuya; and Kikuchi, Takashi, 4,877,225, Cl. 267-140.100.
  - Nomura, June; and Ihara, Keisuke, 4,869,512, Cl. 273-232.000.
  - Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, 4,801,641, Cl. 524-426.000.
  - Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, 4,886,850, Cl. 524-413.000.
  - Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.
  - Ogino, Takao; Miyazaki, Tadaaki; Kawagoe, Takahiro; and Yoshio, Masaki, 4,863,817, Cl. 429-194.000.

  - Ohkawa, Fujio; Higashidani, Akira; and Maeda, Hiroyuki, 4,854,555, Cl. 267-64.240.
  - Okafuji, Yukitaka; Tajima, Kunio; Sumiuchi, Masaharu; Adachi, Masami; and Takahashi, Shoji, 4,830,693, Cl. 156-132.000.
  - Oku, Masaharu; Ohbayashi, Akio; and Innami, Toshiyuki, 4,824,349, Cl. 425-29.000.
  - Okuyama, Koji; and Sawai, Minoru, 4,867,434, Cl. 271-42.000.
  - Okuyama, Kouji; Yamamoto, Makoto; Kimura, Hidetoshi; and Ito, Taizo, 4,804,426, Cl. 156-128.100.
  - Okuyama, Kouji; and Touya, Hiroki, 4,858,901, Cl. 269-21.000.
  - Orikawa, Michihiro; and Ishiyama, Tatsuro, 4,795,140, Cl. 267-140.100.
  - Orikawa, Michihiro; and Noguchi, Takeshi, 4,838,529, Cl. 267-140.100.
  - Oshima, Kazuo; and Iwasaki, Shizuo, 4,889,174, Cl. 152-529.000.
  - Oshima, Noboru; Chikatsu, Yoshishige; Fukuhori, Toshiaki; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,812,525, Cl. 525-232.000.
  - Saito, Tasuku; and Kakiuchi, Shinichi, 4,858,924, Cl. 273-62.000.
  - Sakaguchi, Yuji, 4,860,639, Cl. 92-5.00R.
  - Sakayori, Kiyoshi; Iwasaki, Shinichi; Ishida, Yozo; Shinogaya, Toshikazu; and Ishizuka, Yuzo, 4,887,950, Cl. 411-302.000.
  - Saotome, Masaru; Ushijima, Takao; Noguchi, Takeshi; Sato, Naomi; and Nakao, Tsutomu, 4,858,899, Cl. 267-219.000.
  - Sato, Tetsuhiko; and Inoue, Osamu, 4,794,969, Cl. 152-545.000.
  - Sawa, Eiji; Moriya, Susumu; Fukuda, Hiroya; and Ohashi, Takashi, 4,842,926, Cl. 428-224.000.
  - Tabata, Toshiyuki; Ishiyama, Tatsuro; Ushijima, Takao; and Dan, Takuya, 4,872,650, Cl. 267-140.100.
  - Takano, Kazuya; and Noguchi, Takeshi, 4,861,006, Cl. 267-140.100.
  - Takayama, Masahiro, 4,838,330, Cl. 152-537.000.
  - Takeshita, Michitaka; Mukai, Uchu; and Sugawara, Toshio, 4,820,751, Cl. 523-215.000.
  - Tanuma, Itsuo; Takeichi, Hideo; Segawa, Masashi; and Honda, Toshio, 4,865,918, Cl. 428-409.000.
  - Tomita, Seisuke; and Hashimoto, Takatsugu, 4,814,214, Cl. 428-36.800.
  - Tsukagoshi, Tetsuhito, 4,852,626, Cl. 152-541.000.
  - Usami, Shigeoki, 4,832,243, Cl. 226-108.000.
  - Ushijima, Takao; and Noguchi, Takeshi, 4,802,658, Cl. 267-140.100.
  - Ushikubo, Hisao; Tsuda, Toru; and Takahashi, Ichiro, 4,824,501, Cl. 156-130.000.
  - Watanabe, Isao; and Fujihira, Yasushi, 4,807,858, Cl. 267-64.270.
  - Yabe, Toshinori; and Ozaki, Kazuo, 4,877,477, Cl. 156-406.400.
  - Yamazaki, Tadashi, 4,862,934, Cl. 152-209.00R.
  - Yasuda, Takuo, 4,824,899, Cl. 524-495.000.
  - Yoshikawa, Masato; Fukuura, Yukio; Akiyama, Setsuo; Nakamura, Makoto; Naito, Kazuo; and Honda, Toshio, 4,872,932, Cl. 56-151.000.
  - Yoshikawa, Masato; Kusano, Yukihiro; Naito, Kazuo; Honda, Toshio; and Hata, Tomonobu, 4,880,515, Cl. 204-192.120.
- Bridgestone Cycle Co., Ltd.: *See—*
  - Kozakae, Kunitoshi; and Takeda, Toru, 4,858,485, Cl. 74-399.000.
  - Takamiya, Kikuzo; Mabuchi, Sadao; and Inoue, Kazuhiro, 4,838,122, Cl. 74-781.00B.
  - Yamaki, Hidenori; Kobayashi, Hironobu; and Minari, Akio, 4,830,390, Cl. 280-280.000.
- Bridgestone/Firestone, Inc.: *See—*
  - Still, Donald O.; and Burley, George J., 4,887,501, Cl. 82-54.000.
- Bridgestone Tire Company Limited: *See—*
  - Iwata, Norio; Nakamura, Masao; and Takusagawa, Takashi, 4,842,682, Cl. 156-130.000.
  - Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.
- Bridgestone (U.S.A.), Inc.: *See—*
  - Inoue, Seizaburo; and Ryans, Glenn D., 4,822,236, Cl. 414-591.000.
- Bridgewater, Todd J.; and Plott, John E., to Dow Corning Corporation. Fixation stake for benthic barrier. 4,887,757, 12-19-89, Cl. 227-147.000.
- Bridgford Foods Corporation: *See—*
  - Vandervoort, David; and Griffith, Monty, 4,812,321, Cl. 426-503.000.
- Bridgham, John; Geiser, Timothy G.; Hunkapiller, Michael W.; Kent, Stephen B. H.; Marriott, Mark P.; Ramstad, Paul O.; and Nordman, Eric S., to Applied Biosystems, Inc. Automated polypeptide synthesis process. 4,816,513, 3-28-89, Cl. 525-54.110.
- Bridgham, John A.: *See—*
  - Hunkapiller, Michael W.; Connell, Charles R.; Mordan, William J.; Lytle, John D.; and Bridgham, John A., 4,811,218, Cl. 364-413.010.
- Bridgman, Roger F., to Marconi Instruments Limited. Phase detector. 4,868,512, 9-19-89, Cl. 328-133.000.
- Bridgstock, Eric; Glaves, Brian; Kenworthy, David M. A.; and Bilton, David A., to Fusion Plastics Limited; and Vecstar Limited. Fault detecting device for welded pipe joints. 4,795,877, 1-3-89, Cl. 219-109.000.
- Bridgstock, Eric: *See—*
  - Kenworthy, David M. A.; Bridgstock, Eric; and Dunkey, Edwin A. W., 4,797,993, Cl. 29-613.000.
- Bridin plc.: *See—*
  - Christian, Philip; and Walton, John M., 4,813,221, Cl. 57-217.000.
- Bridle, Kenneth A.; and Jaffe, Mordecai J., to Wake Forest University. Method and composition for regulating the flowering of plants. 4,818,274, 4-4-89, Cl. 71-106.000.
- Bridle, Kenneth A.: *See—*
  - Bernasek, Edward; Bridle, Kenneth A.; Clapp, William L.; and Fagg, Barry S., 4,887,618, Cl. 131-297.000.
- Bridle, Michael K.: *See—*
  - Konak, A. Riza; and Bridle, Michael K., 4,869,830, Cl. 210-708.000.
- Brie, Alain; Hsu, Kai; and Plumb, Richard A., to Schlumberger Technology Corporation. Differential energy acoustic measurements of formation characteristic. 4,858,740, 12-19-89, Cl. 367-30.000.
- Brie, Alain: *See—*
  - Hsu, Kai; Brie, Alain; and Plumb, Richard A., 4,870,627, Cl. 367-69.000.
- Brieger, Emmet F.: *See—*
  - Edwards, A. Glen; Wesson, David S.; and Brieger, Emmet F., 4,817,710, Cl. 166-242.000.
- Briel, Marc L.: *See—*
  - Fette, Bruce A.; Lewis, Leslie K.; Briel, Marc L.; and Makovicka, Thomas J., 4,862,407, Cl. 364-900.000.
- Brier, John J. Container with integral cooling means. 4,841,743, 6-27-89, Cl. 62-457.900.
- Brierley, David; Kenyon, Ronald W.; and Ridyard, Denis R. A., to Imperial Chemical Industries PLC. Disperse dyes: nitro-thiophene azo dyes for bright blue shades on polyester. 4,881,943, 11-21-89, Cl. 8-662.000.
- Brierley, Michael C.; Mallinson, Stephen R.; Millar, Colin A.; and Urquhart, William P., to British Telecommunications Public Limited Company. Dielectric optical Fabry-Perot waveguide device and method for making and using same. 4,859,017, 8-22-89, Cl. 350-96.150.
- Brierley, Michael C.: *See—*
  - Millar, Colin A.; Mallinson, Stephen R.; and Brierley, Michael C., 4,869,567, Cl. 350-96.150.
- Briese, Leonard: *See—*
  - Owen, William; Bell, Robert; Chase, Douglas; and Briese, Leonard, 4,828,225, Cl. 254-382.000.
- Briese, Leonard A. Cutting tool cartridge arrangement. 4,828,436, 5-9-89, Cl. 407-76.000.
- Briese, Tim K. Adjustable socket device. 4,884,480, 12-5-89, Cl. 81-128.000.
- Brieseck, Bernd; and Nagler, Josef, to Diehl GmbH & Co. Airborne submunition member. 4,844,381, 7-4-89, Cl. 244-3.290.
- Brieseck, Bernd, to Diehl GmbH & Co. Airborne body with extendable fins. 4,844,386, 7-4-89, Cl. 244-3.280.
- Briet, Gilles, to Hutchinson. Connection system for interconnecting a heat exchanger and a pipe union. 4,887,665, 12-19-89, Cl. 165-76.000.
- Briet, Gilles, to Hutchinson. Connection system for interconnecting a heat exchanger and a pipe union. 4,887,666, 12-19-89, Cl. 165-76.000.
- Briet, Gilles, to Hutchinson. Connection system for interconnecting a heat exchanger and a pipe union. 4,887,849, 12-19-89, Cl. 285-91.000.
- Brigando, Ronald P.: *See—*
  - Rockower, Gerald; and Brigando, Ronald P., 4,869,281, Cl. 137-115.000.
- Brigati, David J., to Fisher Scientific Company. Device for holding horizontal array of liquid aliquots. 4,798,706, 1-17-89, Cl. 422-102.000.
- Brigati, David J.: *See—*
  - Cuomo, Carlo; and Brigati, David J., 4,801,431, Cl. 422-104.000.
- Brigg & Stratton Corporation: *See—*
  - Uuskallio, Arvo F., 4,823,752, Cl. 123-400.000.
- Briggs, Aubrey C.: *See—*
  - Pater, Larry L.; and Briggs, Aubrey C., 4,863,101, Cl. 239-99.000.
- Briggs, Daniel D.; and Vischer, Peter, to Adolph Coors Company. Apparatus for measuring opaque medium coverage of a translucent sheet. 4,832,495, 5-23-89, Cl. 356-379.000.
- Briggs, Deborah A.: *See—*
  - Stone, Robert T.; and Briggs, Deborah A., 4,869,254, Cl. 128-633.000.
- Briggs, Godfrey T., to Colonial Tool Operations Division of Textron Canada Ltd. High speed spindle with adjustable tool. 4,867,619, 9-19-89, Cl. 408-158.000.
- Briggs, John A. Dual-camera photographic system. 4,819,076, 4-4-89, Cl. 358-229.000.
- Briggs, John R.; and Robson, John H., to Union Carbide Corporation. Organosalts of metalate anions and process for the production of alkylene glycols therewith. 4,822,925, 4-18-89, Cl. 568-853.000.
- Briggs, John R., to Union Carbide Corporation. Process for trimerization. 4,853,356, 8-1-89, Cl. 502-117.000.
- Briggs, Kenneth W., Sr., to Rushman Draperies, Inc. Window shutter assembly and method of production. 4,887,391, 12-19-89, Cl. 49-90.000.
- Briggs, Kerry D., to Simplex Wire & Cable. High pressure flexible pipe. 4,850,395, 7-25-89, Cl. 138-30.000.
- Briggs, Milton; and Teutsch, Erich O., to General Electric Company; and Graham Engineering Corporation. Modular extrusion head. 4,798,526, 1-17-89, Cl. 425-113.000.
- Briggs, Milton, to Graham Engineering Corporation. Vented plastic bottle. 4,838,464, 6-13-89, Cl. 222-478.000.
- Briggs, Robin M.: *See—*
  - Sayer, Christopher N. F.; and Briggs, Robin M., 4,803,968, Cl. 123-533.000.
- Briggs & Stratton Corporation: *See—*
  - Bruener, Patrick J.; Harkness, Joseph R.; Vogl, Norbert M.; and Eifert, Glen C., 4,819,593, Cl. 123-192.00B.
  - Dykstra, Richard A., 4,817,577, Cl. 123-651.000.
  - Dykstra, Richard A., 4,875,448, Cl. 123-352.000.
  - Kolinske, Edmund C.; and Uuskallio, Arvo F., 4,889,006, Cl. 74-502.400.

Briggs, Stuart: *See—*
  Johns, Ken W. E.; Briggs, Stuart; and Flabbi, Luciano, 4,874,124, Cl. 228-180.100.

Brigham, William D.; and Nguyen D., Dinh, to Zwick Energy Research Organization, Inc. Liquid cryogenic vaporizer utilizing ambient air and a nonfired heat source. 4,819,454, 4-11-89, Cl. 62-52.000.

Brigham, William D.: *See—*
  Zwick, Eugene B.; and Brigham, William D., 4,860,545, Cl. 62-50.600.

Brigham & Women's Hospital: *See—*
  Robertson, Douglas D., 4,873,707, Cl. 378-18.000.
  Smith, Robert J.; and Wilmore, Douglas W., 4,857,555, Cl. 514-563.000.
  Wilmore, Douglas W., 4,863,901, Cl. 514-12.000.

Brigham Young University: *See—*
  Bradshaw, Jerald S.; Jones, Brian A.; Markides, Karin E.; and Lee, Milton L., 4,864,033, Cl. 548-446.000.
  Chabries, Douglas M., 4,872,012, Cl. 342-25.000.
  Millett, Ronald P.; Millett, Howard L.; and Allen, Dell K., 4,817,036, Cl. 364-900.000.
  Red, Walter E.; Davies, Brady R.; Wang, Xuguang; and Turner, Edgar R., 4,831,549, Cl. 364-513.000.
  Robins, Roland K.; and Cottam, Howard B., 4,880,784, Cl. 514-48.000.
  Sederberg, Thomas W., 4,821,214, Cl. 364-522.000.
  Woodbury, Richard C.; Perkins, Raymond T.; and Thorne, James M., 4,885,055, Cl. 156-647.000.
  Yang, Frank J.; Farnsworth, Paul B.; Markides, Karin E.; Lee, Milton L.; and Skelton, Ronald J., Jr., 4,851,683, Cl. 250-339.000.

Brighi, Massimo: *See—*
  de Concini, Roberto; and Brighi, Massimo, 4,860,593, Cl. 73-861.290.

Bright, Clarence K., to Lil' Beaver Company. Fish scaling apparatus. 4,876,768, 10-31-89, Cl. 17-64.000.

Bright, Danielle A., to ICI Americas Inc. Preparation of alkyl thiosemicarbazides. 4,853,483, 8-1-89, Cl. 564-18.000.

Bright, Gene M., to Pfizer Inc. Heptanoyl-glu-asp-ala-amino acid immunostimulants. 4,851,388, 7-25-89, Cl. [illegible]

Bright, James A. Fault detector. 4,881,028, 11-14-89, Cl. 324-127.000.

Bright, Kevin J.: *See—*
  Webb, Frederick W., Jr.; Almendinger, Allen D.; Bright, Kevin J.; Hendren, Kenneth J.; Peterson, Donald D.; Dandrea, Michael R.; and Clayton, Weeks R., [illegible]

Bright, Paul E.; and Tyler, Herbert F., to Dow Chemical Company, The. [illegible]

Bright, Robert G., to Dualco Industries Limited. Seals. [illegible]

Bright Star Technology, Inc.: *See—*
  Cooper, Elon; and Gresham, Nedra, [illegible]
  Cooper, Elon, [illegible]

Bright, Thomas F.: *See—*
  Oliver, John B.; and Bright, Thomas F., 4,887,794, Cl. [illegible]

Brightbill, Jerry D.; and Johnson, Kenneth M., to Alco Foodservice Equipment Company. Washing apparatus. [illegible]

Brightman, Jacob, to State of Israel, Ministry of Defence, Israel Military Industries, The. Coupling set. 4,826,348, 5-2-89, Cl. 403-330.000.

Brighton, Jeffrey E., to Texas Instruments Incorporated. Method of making single polysilicon self-aligned transistor. 4,839,305, 6-13-89, Cl. 437-41.000.

Brighton, Jeffrey E., to Texas Instruments Incorporated. Self-aligned nonnested sloped via. 4,842,991, 6-27-89, Cl. 430-316.000.

Brighton, Jeffrey E.; and Roane, Bobby A., to Texas Instruments Incorporated. Methods for forming self-aligned conductive pillars on interconnects. 4,866,008, 9-12-89, Cl. 437-189.000.

Brighton, Jeffrey E.: *See—*
  Verret, Douglas P.; Brighton, Jeffrey E.; Hollingsworth, Deems R.; and Torreno, Manuel L., Jr., 4,799,099, Cl. 357-50.000.
  Welch, Michael T.; McMann, Ronald E.; Torreno, Manuel L., Jr.; Garcia, Evaristo, Jr.; and Brighton, Jeffrey E., 4,795,722, Cl. 437-192.000.

Brightwell, David L., to Ford Motor Company. Cable clip. 4,805,479, 2-21-89, Cl. 74-502.400.

Brigman, Larry L.: *See—*
  Beard, Larry D.; Brigman, Larry L.; and Roderick, John C., 4,813,494, Cl. 173-91.000.

Brignoli, Giovanni. Knife sheath incorporating sharpening means for the blade. 4,794,738, 1-3-89, Cl. 51-214.000.

Briguet, Andre; Chaillout, Jean-Jacques; and Jeandey, Christian, to Commissariat a l'Energie Atomique. System of coils for producing magnetic field gradients of very uniform polarization in an imaging or spectroscopy installation by NMR. 4,833,410, 5-23-89, Cl. 324-318.000.

Briguet, Etienne: *See—*
  Heng, Jean-Paul; Marmonier, Andre; and Briguet, Etienne, 4,878,855, Cl. 439-411.000.

Briguglio, James J.: *See—*
  Ross, Leo; Axon, Fredrick J.; and Briguglio, James J., 4,889,790, Cl. [illegible]

Briles, Franklin S. Blind fastener positively locking to work. [illegible]

Briley, Michel: *See—*
  Falck, Guy; Coustet, Henri; Stenger, Antoine; Briley, Michel; and Chequin, Philippe, [illegible]

Brill, Robert V.: *See—*
  MacFarlane, Alistair; Dyroff, David R.; and Brill, Robert V., 4,824,997, Cl. 560-179.000.

Brill, Uri. Arched, translucent covers for sport grounds, swimming pools, hothouses and the like. 4,876,828, 10-31-89, Cl. 52-23.000.

Brilliande, Gary S. Horticultural container. 4,813,177, 3-21-89, Cl. 47-66.000.

Brilliant, Stuart D.: *See—*
  Aza, Alberto D.; Keeley, Charles; Rogers, Jay L.; and Brilliant, Stuart D., 4,837,257, Cl. 524-151.000.

Brillion Iron Works, Inc.: *See—*
  Kruse, Oliver M., 4,871,030, Cl. 172-397.000.

Brilmyer, George H.; and Tiedemann, William H., to Globe-Union Inc. Dynamic state-of-charge indicator for a battery and method thereof. 4,876,513, 10-24-89, Cl. 324-427.000.

Brim, Ted E., to Brunswick Corporation. Method of playing a bowling game. 4,834,378, 5-30-89, Cl. 273-37.000.

Brim, Ted E., to Brunswick Corporation. Method of playing a bowling game. 4,834,379, 5-30-89, Cl. 273-37.000.

Brim, Ted E., to Brunswick Corporation. Method of playing a bowling game. 4,834,380, 5-30-89, Cl. 273-37.000.

Brim, Ted E., to Brunswick Corporation. Method of playing a bowling game. 4,834,381, 5-30-89, Cl. 273-37.000.

Brim, Ted E., to Brunswick Corporation. Method of playing a bowling game. 4,884,806, 12-5-89, Cl. 273-37.000.

Brimacombe, James K.: *See—*
  Richards, Gregory G.; Cockcroft, Steven L.; Brimacombe, James K.; and Toop, Gerald W., 4,820,340, Cl. 75-24.000.

Brimeyer, Dennis A.; and Stubben, David W., to Deere & Company. Motor grader main frame. 4,807,461, 2-28-89, Cl. 172-793.000.

Brimhall, Owen D.; McLaughlin, Thomas J.; and Peterson, Stephen C., to Utah Bioresearch, Inc. Apparatus and method for ultrasonic enhancement of sedimentation during centrifugation. [illegible], 2-14-89, Cl. 494-20.000.

Brimhall, Owen D.; Peterson, Stephen C.; Baker, Charles D.; and Riddle, Merwyn D., to Separation Technology, Inc. Apparatus and method for using ultrasound to determine hematocrit. [illegible]

Brimhall, Owen D.; Peterson, Stephen C.; [illegible]; and Roy, Dilip N., to Utah Bioresearch, Inc. [illegible] centrifugation apparatus and method. [illegible]

Brimhall, Owen D.: *See—*
  Baker, Charles D.; Brimhall, Owen D.; and [illegible]
  [illegible]; Brimhall, Owen D.; Peterson, Stephen C.; and Baker, Charles D., [illegible]

[illegible] Thermal processing [illegible]

[illegible], Inc.: *See—*
  [illegible]

Brin, Constantin: *See—*
  [illegible]; and Brin, Constantin, [illegible]

Brindise, Anthony E.: *See—*
  Smith, Charles R.; Brindise, Anthony E.; and [illegible], 4,884,929, Cl. [illegible]

Brindopke, Gerhard, to Hoechst Aktiengesellschaft. Process for the preparation of 2-oxo-1,3-dioxolanes. 4,835,289, 5-30-89, Cl. 549-229.000.

Brindopke, Gerhard, to Hoechst Aktiengesellschaft. Curable mixtures and their use. 4,837,271, 6-6-89, Cl. 525-330.300.

Brindopke, Gerhard; Godau, Claus; and Weber, Walter, to Hoechst Aktiengesellschaft. Curing components for synthetic resins and their use. 4,859,788, 8-22-89, Cl. 558-398.000.

Brindopke, Gerhard; Walz, Gerd; Waldmann, Karl; Schon, Manfred; and Kleiner, Hans-Jerg, to Hoechst Aktiengesellschaft. Reaction product of olefinically unsaturated compounds with compounds containing active hydrogen, processes for their preparation and 2-component lacquers based thereon. 4,871,822, 10-3-89, Cl. 526-271.000.

Brindopke, Gerhard; and Honel, Michael, to Hoechst Aktiengesellschaft. Polymers containing amino groups, their preparation and their use. 4,882,391, 11-21-89, Cl. 525-327.200.

Brindopke, Gerhard: *See—*
  Honel, Michael; Ziegler, Peter; Walz, Gerd; Lenz, Rudiger; F[illegible]edde, Hartmut; and Brindopke, Gerhard, 4,806,611, Cl. 528-45.000.
  Walz, Gerd; Honel, Michael; Brindopke, Gerhard; Sprenger, Walter; Finke, Manfred; and Lenz, Rudiger, 4,808,658, Cl. 524-591.000.

Brinduse, Steven P.; Clinch, Anthony B.; McIntyre, Daniel K.; Noren, Allen L.; and Pellerite, Mark J., to Minnesota Mining and Manufacturing Company. Shaped articles of polyfluoropolyethers having pendant perfluoroalkoxy groups. 4,820,588, 4-11-89, Cl. 428-422.000.

Brinegar, John R.; Chamberlain, Keith R.; [illegible], James J.; and De Pue, William J., to Howmet Corporation. Method of forming fine grained equiaxed casting. [illegible]

Brinegar, O'Dell, to Contech Construction Products Inc. Metal pipe coupling to accommodate a desired angle of connection between drainage pipe sections. [illegible]

[illegible]

Briner, Emil; and Wehrli, Samuel, to Maschinenfabrik Rieter AG. Device for starting or recommencing spinning of a yarn in a friction spinning apparatus. 4,856,269, 8-15-89, Cl. 57-263.000.

Briner, Emil, to Rieter Machine Works Ltd. Apparatus for cleaning a textile machine comprising a plurality of operating positions. 4,864,679, 9-12-89, Cl. 15-312.00A.

Briner, Emil: *See—*
  Stalder, Herbert; Keller, Urs; Oeggerli, Werner; and Briner, Emil, 4,848,079, Cl. 57-401.000.

Briner, Theodor, to Steinemann AG. Receiving station for long-distance heating. 4,865,251, 9-12-89, Cl. 237-8.00R.

Bringham, Richard L.; Gordon, Lucas S.; and Mosch, Karl E., to Baxter International Inc. Integrated membrane oxygenator, heat exchanger and reservoir. 4,876,066, 10-24-89, Cl. 422-46.000.

Bringhurst, Edward D., to Mannesmann Tally Corporation. High efficiency coil posts for print hammer actuators. 4,833,980, 5-30-89, Cl. 101-93.040.

Brink, Jan: *See—*
  Maijers, Andries C.; Weekamp, Johannus W.; Van Den Ackerveken, Antonius C. J. C.; and Brink, Jan, 4,841,410, Cl. 361-306.000.

Brink, Keith O.: *See—*
  Gill, Stephen P.; Watson, John D.; and Brink, Keith O., 4,849,699, Cl. 324-339.000.

Brink, Lawrence J., to Jennmar Corporation. Lifting device connected to tractor scoop. 4,850,748, 7-25-89, Cl. 405-303.000.

Brink, Patricia J.: *See—*
  Hogg, Judy S.; Abbondandolo, Michael; and Brink, Patricia J., 4,838,334, Cl. 160-370.200.

Brinke, Jan T.: *See—*
  Offringa, Oege R.; Waterink, Hend k; Pernen, Geert J.; and Brinke, Jan T., 4,813,457, Cl. 138-109.000.

Brinker, Berton B., Jr., to Hughes Aircraft Company. Bend enhancement of flexible multilayer cables. 4,814,549, 3-21-89, Cl. 174-155.000.

Brinker, Gary D.; Klopping, Jeffrey N.; and Fintel, Eric D., to Glasstech International L.P. Controller for glass sheet processing system. 4,825,376, 4-25-89, Cl. 364-473.000.

Brinkers, Gerardus C. Collapsible supporting device for supporting a vertically adjustable lifting platform in a display container, and display container provided with such a device. [illegible]

[illegible]

Brinkman, Robert D.: *See—*
  [illegible]; and Brinkman, Robert D., 4,879,590, Cl. [illegible]

Brinkman, Robert P., to International Business Machines Corp. [illegible] test pattern generator. 4,852,096, 7-25-89, Cl. 371-27.000.

Brinkman, Willem, to Thomassen International B.V. Four-stroke internal combustion engine and procedure for operating such an engine. [illegible], 3-7-89, Cl. 123-76.000.

Brinkmann, Bernd; and Lucas, Hermann-Josef, to Schering Aktiengesellschaft. Synthetic resin compositions shelf-stable under exclusion of moisture. 4,798,878, 1-17-89, Cl. 528-28.000.

Brinkmann, Hans: *See—*
  Allner, Kurt; Brinkmann, Hans; Kraemer, Bernhard; and Schulte, Herbert, 4,886,145, Cl. 264-126.000.

Brinkmann, Heinz J., to Dr. W. Ingold AG. Maintenance device for at least partially automatic cleaning and calibration of a probe containing a measured value transmitter. 4,852,385, 8-1-89, Cl. 73-1.00R.

Brinkmeier, Friedheim; and Eckelt, Ulrich, to Windmoller & Holscher. Apparatus for selectively forming apertures or holes or venting pinholes in a continuously moving web. 4,856,396, 8-15-89, Cl. 83-300.000.

Brinkmeier, Friedheim, to Windmoller & Holscher. Apparatus for forming a flexible tubing from a single-ply or multi-ply web. 4,871,347, 10-3-89, Cl. 493-302.000.

Brinkmeyer, Francis M.; and Rohr, Donald F., Jr., to Phillips Petroleum Company. Hydrocarbon conversion processes. 4,866,211, 9-12-89, Cl. 568-697.000.

Brinks, Robert I.: *See—*
  Dilworth, James L.; and Brinks, Robert I., 4,823,518, Cl. 52-40.000.

Brinly-Hardy Co., Inc.: *See—*
  Doering, Charles W.; Caudill, Garland E.; Johnson, Henry L.; and Thomas, Bruce A., 4,836,610, Cl. 298-6.000.

Brinnand, Anthony G.: *See—*
  Anderson, Martin; and Brinnand, Anthony G., 4,873,333, Cl. 544-59.000.

Brinson, Edward P.: *See—*
  Evans, Alfred J.; Chen, Grant K.; May, Dennis J.; and Brinson, Edward P., [illegible]

Brinster, Ralph L.: *See—*
  Evans, Ronald M.; Palmiter, Richard D.; and Brinster, Ralph L., [illegible]

[illegible]

Brintec Corporation: *See—*
  Archer, Lee A.; and Brownell, Kenneth W., Jr., 4,875,875, Cl. 439-401.000.
  DeSanti, Raymond J., 4,874,904, Cl. 174-53.000.
  Smith, R. Bruce; Bolick, Virgil T., Jr.; and Brownell, Kenneth W., Jr., 4,850,901, Cl. 439-676.000.

Brinton, Charles C., Jr.; and Hanson, Mark, to Bactex, Inc. Novel lectins derived from bacterial pili. 4,801,690, 1-31-89, Cl. 530-396.000.

Brinton, Robert J.: *See—*
  Hicks, T. Lawrence; Givens, Guy M.; Brinton, Robert J.; and Grundhauser, Donald J., 4,872,056, Cl. 358-183.000.

Brio AB: *See—*
  Peterson, Ingvar, 4,846,754, Cl. 446-428.000.

Briody, Robert G.; and Manner, James A., to PPG Industries, Inc. Method for converting organic chloroformate to the corresponding organic chloride. 4,814,524, 3-21-89, Cl. 570-201.000.

Brion, Francis; Buendia, Jean; and Marie, Christian, to Roussel Uclaf. Process for making perhydroindole-2-carbonoxylic acid. 4,879,392, 11-7-89, Cl. 548-492.000.

Briones, Robert A., to Laser Magnetic Storage International Company. Apparatus and method for production of single element toric lenses of very small proportions. 4,862,646, 9-5-89, Cl. 51-105.0LG.

Briot International: *See—*
  Langlois, Jean-Pierre M. F.; and Lecerf, Michel J., 4,829,715, Cl. 51-101.0LG.

Briquet, Lucienne: *See—*
  Born, Maurice; Briquet, Lucienne; Parc, Guy; and Paquet, Daniel, 4,795,576, Cl. 252-45.000.
  Born, Maurice; Briquet, Lucienne; Lallement, Jacques; and Parc, Guy, 4,839,069, Cl. 252-45.000.

Brisbon, Eric S.; and Krosney, Mark, to AIL Corporation. Preloaded compliant linkage for fuel injection pump rack. 4,850,321, 7-25-89, Cl. 123-372.000.

Brisco, David P., to Halliburton Company. Pressure actuated flow control valve. [illegible]

Briscoe, James A.; Putt, James C.; Phillips, Ronald W., II; [illegible], Gary V.; and [illegible], Kevin J., to B. F. Goodrich Company, The. De-icer. [illegible]

Briscoe, James A.; Putt, James C.; Phillips, Ronald W., II; and [illegible], Kevin J., to B. F. Goodrich Company, The. De-icer. [illegible]

Briscoe, James A.; Putt, James C.; and Phillips, Ronald W., II, to B. F. Goodrich Company, The. Method and apparatus for deicing a leading edge. [illegible]

[illegible]

Brisson, Marc. Safety and tamper-proofing device for a nasal-type spray. 4,830,224, 5-16-89, Cl. 222-153.000.

Brisson, Robert J.; Elmore, Carl L.; and Mitchell, Phillip, to Kamyr, Inc. Utilization of oxygen in leaching and/or recovery procedures employing carbon. [illegible], 3-28-89, Cl. 423-29.000.

Brissette, Robert E.: *See—*
  Johnson, Lanny L.; Brissette, Robert E.; and Bonnell, Leonard J., 4,842,578, Cl. 604-22.000.

Brisser, Raphael; and Gaillard, Christian, to Commissariat A L'Energie Atomique. Air transport container for dangerous materials. 4,815,605, 3-28-89, Cl. 206-523.000.

Brisson, Alfred G.: *See—*
  Nowacki, Christopher; and Brisson, Alfred G., 4,796,614, Cl. 128-200.140.
  Nowacki, Christopher; and Brisson, Alfred G., 4,798,196, Cl. 128-24.00A.
  Nowacki, Christopher; Brisson, Alfred G.; and Dela-Cruz, Exequiel, 4,809,692, Cl. 128-206.240.
  Nowacki, Christopher; Brisson, Alfred G.; and Cruz, Exequiel D., 4,832,015, Cl. 128-205.230.
  Nowacki, Christopher; and Brisson, Alfred G., 4,884,460, Cl. 73-861.520.
  Urman, Robert; Brisson, Alfred G.; and Nowacki, Christopher, 4,883,050, Cl. 128-202.270.

Brissot, Louis: *See—*
  Berger, Jean L.; Brissot, Louis; and Cazaux, Yvon, 4,819,067, Cl. 357-24.000.

Bristol, Alexander C. Invisible flat-top mold blank and method for manufacturing same. 4,883,524, 11-28-89, Cl. 65-37.000.

Bristol Compressors, Inc.: *See—*
  Kosfeld, Milton M., [illegible]
  Stringer, Hugh C.; and Montgomery, Larry D., [illegible]

Bristol Fiberlite Industries, Inc.: *See—*
  McCabe, Lance C., [illegible]

Bristol, James A.: *See—*
  [illegible]; Bristol, James A.; and Skeean, Richard W., [illegible]

Bristol-Myers Company: *See—*
  Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., [illegible]
  Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., [illegible]

Behme, Robert J.; Kensler, Terry T.; and Mikolasek, Douglas G., 4,810,789, Cl. 544-230.000.
Brundidge, Steven P.; Brodfuehrer, Paul R.; Sapino, Chet, Jr.; Shih, Kun M.; and Walker, Donald G., 4,868,294, Cl. 540-222.000.
Brundidge, Steven P.; Howell, Henry G.; Sapino, Chester, Jr.; and Hong-Tann, Chou, 4,879,377, Cl. 536-18.200.
Dennis, Ronald D.; Dolak, Terence M.; and Kreighbaum, William E., 4,849,527, Cl. 548-507.000.
Dextraze, Pierre, 4,880,922, Cl. 540-350.000.
Deziel, Robert; and Endo, Masaki, 4,841,043, Cl. 540-200.000.
Dillon, John L.; and Spector, Richard H., 4,800,226, Cl. 546-338.000.
Eison, Michael S.; and Krogsgaard-Larsen, Povl, 4,859,666, Cl. 514-221.000.
Faber, Nicholas J., Jr., 4,852,714, Cl. 198-347.000.
Gamble, Donald E.; Hunter, Harry L.; and McKinney, Gordon R., 4,840,952, Cl. 514-253.000.
Gidda, Jaswant S.; and Monkovic, Ivo, 4,829,073, Cl. 514-326.000.
Golik, Jerzy, 4,837,206, Cl. 514-25.000.
Han, William T.; and Wright, John J., 4,824,959, Cl. 548-253.000.
Han, William T., 4,888,357, Cl. 514-519.000.
Iimura, Seiji; Abe, Yoshio; Okumura, Jun; Naito, Takayuki; and Kamachi, Hajime, 4,874,856, Cl. 540-222.000.
Jones, Howard; Lukacsko, Alison B.; Tencza, Thomas M.; Sarsfield, Beth A.; and Patel, Mahesh K., 4,888,343, Cl. 514-264.000.
Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,833,079, Cl. 435-148.000.
Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,883,758, Cl. 435-253.500.
Kaneko, Takushi; Wong, Henry S.; and Utzig, Jacob J., 4,808,613, Cl. 514-42.000.
Kaneko, Takushi; and Wong, Henry S. L., [illegible], Cl. 549-433.000.
Kaplan, Murray A.; Palepu, Nageswara R.; and Bogardus, Joseph B., [illegible]
[illegible]
Saulnier, Mark G.; and Vyas, Dolatrai M., 4,888,419, Cl. 536-18.100.
Senter, Peter D., 4,874,779, Cl. 514-410.000.
Sigman, Susan J.; and Meade, Paula A., 4,882,472, Cl. 235-88.00R.
Sit, Sing-Yuen; and Wright, John J., 4,870,187, Cl. 546-253.000.
Temple, Davis L.; Rafferty, Michael F.; Eison, Michael S.; and Suberg, Stacy N., 4,847,252, Cl. 514-252.000.
Tencza, Thomas M.; Patell, Mahesh; and Merkle, F. Henry, 4,851,230, Cl. 424-467.000.
Tennyo, Osamu; Ohkuma, Hiroaki; and Konishi, Masataka, 4,803,224, Cl. 514-563.000.
Tramposch, Kenneth M.; Zusi, Fred C.; and Marathe, Suresh A., 4,861,798, Cl. 514-575.000.
Vyas, Dolatrai M.; and Skonezny, Paul M., 4,795,819, Cl. 549-433.000.
Vyas, Dolatrai M.; Chiang, Yulin; and Doyle, Terrence W., 4,803,212, Cl. 514-338.000.
Vyas, Dolatrai M.; Doyle, Terrence W.; and Partyka, Richard A., 4,814,445, Cl. 544-111.000.
Vyas, Dolatrai M.; Saulnier, Mark G.; and Kadow, John F., 4,853,467, Cl. 536-17.900.
Vyas, Dolatrai M.; Chiang, Yulin; and Doyle, Terrence W., 4,866,180, Cl. 546-271.000.
Vyas, Dolatrai M.; and Skonezny, Paul M., 4,866,189, Cl. 549-433.000.
Vyas, Dolatrai M.; Saulnier, Mark G.; and Kadow, John F., 4,874,851, Cl. 536-17.200.
Bristol, Robert W.; Burch, Harry C.; Eisenhart, Gary L.; Hube, Randall R.; and Sherman, G. Christian, to Xerox Corporation. Optical mouse pad. [illegible]
[illegible]

Bristowe, William W.; and Kim, Hong C., to ICI Americas Inc. Polyimide/polyetherimide resin blends. 4,816,526, 3-28-89, Cl. 525-422.000.
Brita Wasser-Filter-Systeme GmbH: *See—*
Hankammer, Heinz, 4,885,089, Cl. 210-420.000.
Britax-Excelsior Limited: *See—*
Burleigh, David W.; and Assinder, Andrew J., 4,854,639, Cl. 297-250.000.
Britax-Kolb GmbH & Co.: *See—*
Ernst, Hans-Hellmut, 4,854,644, Cl. 297-476.000.
Ogris, Gottfried, 4,858,847, Cl. 242-107.40B.
Britax Limited: *See—*
Cunningham, Douglas J., 4,838,388, Cl. 188-65.100.
Britax Rainsfords Pty. Ltd.: *See—*
Fimeri, Garry G., 4,881,418, Cl. 74-89.140.
Fimeri, Garry G. L., 4,830,327, Cl. 248-481.000.
Fimeri, Garry G. L., 4,836,491, Cl. 248-549.000.
Fimeri, Garry G. L., 4,856,885, Cl. 350-633.000.
Fimeri, Garry G. L., 4,867,409, Cl. 248-549.000.
Britax Wingard Limited: *See—*
Anstee, Christopher J., 4,871,953, Cl. 318-466.000.
Glue, William J., 4,854,539, Cl. 248-479.000.
Britcher, Susan F.; Thompson, Wayne J.; Lyle, Terry A.; and Varga, Sandor L., to Merck & Co., Inc. Derivatives of 5-methyl-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5,10-imine. 4,870,079, 9-26-89, Cl. 514-289.000.
Britchi, Lucian. Apparatus for cleaning viscous materials. [illegible], 6-27-89, Cl. 210-791.000.
Britcliffe, Michael J.: *See—*
Jones, Jack A.; Petrick, S. Walter; and Britcliffe, Michael J., 4,835,973, Cl. 62-6.000.
British Aerospace Public Limited Company: *See—*
Adkins, Richard C., 4,881,875, Cl. [illegible]
[illegible]
Gaywood, John E., 4,817,891, Cl. 244-3.230.
[illegible]
George, Alan D., [illegible], Cl. 239-539.000.
Goodchild, Edward J. G.; Standford, Richard T. A.; and [illegible] Roger T., 4,829,260, Cl. 329-50.000.
Griffiths, Frank K., 4,818,870, Cl. 250-288.000.
Gurney, David W., 4,827,828, Cl. 89-1.816.
Haines, Derrick J.; and Marsh, Harry, [illegible]
Hall, Peter R., 4,864,843, Cl. 250-330.000.
Hemingway, Thomas K., 4,853,644, Cl. 330-69.000.
Holt, Alan W.; and Thaw, Martin, 4,800,814, Cl. 102-226.000.
Kalawsky, Roy S., 4,829,165, Cl. 235-375.000.
Kaye, Arthur, 4,872,310, Cl. 60-567.000.
Malvern, Alan R., 4,815,321, Cl. 73-517.00R.
Malvern, Alan R., 4,820,008, Cl. 350-96.100.
Martin, John C., 4,856,738, Cl. 244-122.00R.
Page, Steven J.; Wills, Derek P. M.; Lowe, Barry M.; Brown, [illegible] G.; Curtis, Neil J.; Hall, Adrian J.; and Holmes, [illegible] 4,849,893, Cl. 364-434.000.
Powell, John H., 4,797,839, Cl. 364-554.000.
Price, Norman W.; and Chantler, Ian D., [illegible] 219-547.000.
Ralfs, Colin A.; and Murdock, Anthony, [illegible]
Ralfs, Colin A.; and Murdock, Anthony, [illegible]
Rix, William J., 4,809,934, Cl. 244-135.00R.
[illegible]

White, Henry J.; and Stace, Christopher, 4,872,742, Cl. 350-348.000.
Williams, George H., 4,838,503, Cl. 244-214.000.
Williams, George H., 4,840,331, Cl. 244-212.000.
British-American Tobacco Company Limited: *See—*
Case, Paul D.; and Dittrich, David J., 4,878,507, Cl. 131-336.000.
Clift, Roland; Hedge, Roger W.; Legros, Robert; and Millington, Clive A., 4,815,482, Cl. 131-300.000.
Egilmez, Nazli, 4,830,027, Cl. 131-273.000.
Luke, John A., 4,823,817, Cl. 131-375.000.
Phelpstead, James W. P., 4,838,286, Cl. 131-360.000.
British Broadcasting Corporation: *See—*
Chambers, John P., 4,864,405, Cl. 358-180.000.
Drewery, John O., 4,843,468, Cl. 358-140.000.
Heppinstall, Roy; Eaton, Paul; Tupper, George I. F.; and Tunstall, Edmund K., 4,820,996, Cl. 330-45.000.
Oliphant, Andrew; and Sandbank, Charles P., 4,847,676, Cl. 358-12.000.
Sandbank, Charles P., 4,885,579, Cl. 340-825.720.
Storey, Richard, 4,884,138, Cl. 358-133.000.
Thomas, Graham A.; and Borer, Timothy J., 4,873,573, Cl. 358-133.000.
Thomas, Graham A., 4,890,160, Cl. 358-105.000.
Wells, Nicholas D.; Knee, Michael J.; and Sandbank, Charles P., 4,862,264, Cl. 358-138.000.
British Columbia Telephone Company: *See—*
Barn, Belwinder S., 4,809,148, Cl. 363-20.000.
British Gas Corporation: *See—*
Anderson, Donald W.; and Gregory, Charles W., 4,857,851, Cl. 324-326.000.
Cook, Timothy; Craigen, Joseph G.; and Morgan, Clive A., [illegible], Cl. 251-356.000.
[illegible]
Williamson, Edward J.; Garrett, David; Goodridge, Francis; and Plimley, Raymond E., 4,832,813, Cl. 204-272.000.
British Petroleum Company p.l.c., The: *See—*
Allen, Philip C., 4,798,782, Cl. 430-270.000.
Atkins, Martin P.; Ballantine, James A.; Purnell, John H.; and Williams, John, 4,866,020, Cl. 502-84.000.
Austin, Frederick D.; Barclay, John L.; and Hunter, James O., 4,840,723, Cl. 208-106.000.
Barri, Sami A. I., 4,795,732, Cl. 502-223.000.
Begg, Alan R.; Brown, Colin W.; and Charman, Neil E. S., 4,859,542, Cl. 428-547.000.
Benn, Malcolm; Grint, Alan; Proud, Graeme P.; and Rand, Brian, 4,883,617, Cl. 264-29.700.
Bott, David C.; and Connors, Lucy M., 4,857,426, Cl. 430-18.000.
Bowley, Heather J.; and Gerrard, Donald L., 4,875,771, Cl. 356-30.000.
Bradley, Michael S., 4,858,137, Cl. 364-463.000.
Brown, Giselle M.; and MacFarlane, Anthony S., 4,888,117, Cl. 210-649.000.
[illegible]

Crighton, James S.; and Malcolme-Lawes, David J., 4,820,044, Cl. 356-315.000.
Dean, Alan J.; and Hopper, Hans P., 4,848,475, Cl. 166-357.000.
Diaz, Henri, 4,855,522, Cl. 585-417.000.
Dyke, Andrew F., 4,795,850, Cl. 585-500.000.
Ells, John W., 4,795,132, Cl. 251-159.000.
Ells, John W., 4,811,652, Cl. 92-92.000.
Flynn, Steven A.; and Rutter, Paul R., 4,853,133, Cl. 210-729.000.
Gerrard, Donald L., 4,799,786, Cl. 356-30.000.
Harper, Kevin; and Watson, William J. W., 4,808,681, Cl. 526-270.000.
Hodgson, Philip K. G.; and Stewart, Nevin J., 4,798,906, Cl. 568-614.000.
Hodgson, Philip K. G.; McShea, Julie A.; and Tinely, Edward J., 4,802,973, Cl. 208-207.000.
Hope, Stephen A., 4,802,659, Cl. 267-149.000.
Hopper, Hans P., 4,806,114, Cl. 439-191.000.
Hopper, Hans P., 4,848,472, Cl. 166-344.000.
Hopper, Hans P., 4,850,743, Cl. 405-190.000.
James, Keith; and Pring, Graham M., 4,812,242, Cl. 210-735.000.
Johnson, Graham R.; and Rutter, Paul R., 4,846,957, Cl. 208-86.000.
Lucy, Andrew R.; and Morris, George E., 4,816,595, Cl. 558-277.000.
McAteer, Colin H., 4,826,800, Cl. 502-303.000.
Medlicott, Philip A. C., 4,821,599, Cl. 74-572.000.
Meldrum, Ian G.; and Naylor, Timothy D., 4,877,533, Cl. 210-640.000.
Othen, David G., 4,795,492, Cl. 106-14.210.
Smith, David J. H.; and Woodfin, William T., 4,806,699, Cl. 585-314.000.
Taylor, Alistair S., 4,822,481, Cl. 208-390.000.
British Pipeline Agency Limited: *See—*
Grocott, Geoffrey J.; and Baskett, Ralph E. J., 4,856,937, Cl. 405-154.000.
[illegible]
Blow, Keith J.; and Wood, David C., [illegible], Cl. 372-18.000.
Booth, Richard C.; and Beaumont, Alan R., 4,851,079, Cl. 156-643.000.
[illegible]
Brierley, Michael C.; Mallinson, Stephen R.; Millar, Colin A.; and Urquhart, William P., 4,859,017, Cl. 350-96.150.
Burr, Michael G., 4,826,295, Cl. 350-355.000.
Butcher, Miles E., 4,825,222, Cl. 343-836.000.
Cameron, Keith H.; and Smith, David W., 4,817,100, Cl. 372-32.000.
Cassidy, Stephen A., 4,867,522, Cl. 350-96.190.
Clark, Alan D.; and Hashim, Abdullah, 4,829,526, Cl. 371-40.000.
Cole, Nigel G.; and Adams, Peter F., 4,859,951, Cl. 324-534.000.
Connell, Ian M.; MacDonald, Brian M.; and Stanghan, Christopher J., 4,830,450, Cl. 350-96.200.
Dawes, Ronald G.; Hilton, Geoffrey T.; Marshall, Anthony W.; and Bullivant, Derek, 4,802,532, Cl. 165-80.300.
Doran, Nicholas J., 4,881,788, Cl. 350-96.150.
Faulkner, David W.; and Healey, Peter, 4,815,803, Cl. 350-96.140.
Fiddyment, Philip J.; Westbrook, Leslie D.; and Nelson, Andrew W., 4,805,184, Cl. 372-96.000.
France, Paul W.; and Williams, John R., 4,836,643, Cl. 350-96.340.
France, Paul W.; Williams, John R.; and Carter, Steven F., 4,848,997, Cl. 65-3.110.
France, Paul W.; Carter, Steven F.; and Moore, Martin W., 4,856,868, Cl. 350-96.230.
France, Paul W., 4,863,237, Cl. 350-96.340.
Frost, Peter L. J.; Freeman, Robert A.; Warren, John A.; and Keeble, Peter J., 4,856,760, Cl. 254-134.400.
Gould, Colin A., 4,805,981, Cl. 350-96.230.
Hill, Godfrey R.; and Smith, David W., 4,839,614, Cl. 332-7.510.
[illegible]

  - Millar, Colin A.; Mallinson, Stephen R.; and Brierley, Michael C., 4,869,567, Cl. 350-96.150.
  - Millar, Paul C., 4,823,296, Cl. 364-724.030.
  - Mortimore, David B., 4,798,436, Cl. 350-96.150.
  - Nelson, Andrew W.; Hobbs, Richard E.; Deuling, W. John; and Lenton, Charles G., 4,864,581, Cl. 372-46.000.
  - Payne, David B.; and Mortimore, David B., 4,839,898, Cl. 372-6.000.
  - Preston, Keith, 4,798,439, Cl. 350-96.200.
  - Reeve, Michael H.; and Cassidy, Stephen A., 4,796,970, Cl. 350-96.230.
  - Rogerson, Stephen P.; and MacDonald, Brian M., 4,795,934, Cl. 310-313.00R.
  - Rowley, Robin; and Coombs, Gregory P., 4,833,668, Cl. 370-1.000.
  - Smith, Carolyn M., 4,875,187, Cl. 364-900.000.
  - Smith, David R.; and Hooper, Raymond C., 4,809,256, Cl. 370-4.000.
  - Smith, David W.; Cotter, David; and Wyatt, Richard, 4,807,953, Cl. 350-96.150.
  - Smith, David W.; and Webb, Roderick P., 4,817,207, Cl. 455-617.000.
  - Smith, David W., 4,831,663, Cl. 455-616.000.
  - Smith, David W., 4,847,477, Cl. 250-201.000.
  - Stanley, Ian W., 4,802,727, Cl. 350-96.200.
  - Stanley, Ian W., 4,846,930, Cl. 156-633.000.
  - Stanley, Ian W., 4,854,658, Cl. 350-96.150.
  - Stanley, Ian W., 4,867,532, Cl. 350-162.230.
  - Stanley, Ian W., 4,871,244, Cl. 350-486.000.
  - Stentiford, Frederick W. M., 4,817,171, Cl. 382-19.000.
  - Webb, Roderick P., 4,863,230, Cl. 350-96.150.
  - Webb, Roderick P., 4,879,761, Cl. 455-601.000.
  - Welbourn, Anthony D.; and Heslop, Christopher J. H., 4,801,555, Cl. 437-32.000.
  - Welsh, William J.; Fenn, Brian A.; and Challener, Paul, 4,841,575, Cl. 381-36.000.
  - White, Ian H.; Linton, Richard S.; and Carroll, John E., 4,809,290, Cl. 372-44.000.
  - Whitt, Steven, 4,881,243, Cl. 375-4.000.
  - Winter, Christopher S.; and Kashyap, Raman, 4,840,461, Cl. 350-346.000.
- British United Shoe Machinery Ltd.: *See—*
  - Davies, John, 4,836,139, Cl. 118-696.000.
  - Hanson, Raymond; Tillyard, Malcolm; and Allen, Christopher M., 4,876,434, Cl. 219-215.000.
  - Herdeg, Donald F.; and Martin, John F., 4,821,657, Cl. 112-121.120.
  - Reedman, David C.; and Preece, Clive, 4,862,377, Cl. 364-468.000.
- Brito, Joseph B.: *See—*
  - McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.
- Britoil Public Limited Company: *See—*
  - Rockford, David B.; Sutton, William H.; Bond, Christopher R.; and Wilkinson, Brian, 4,889,638, Cl. 210-703.000.
  - Ziolkowski, Antoni M.; Hatton, Leslie; Parkes, Gregory E.; and Haugland, Tor-Avid, 4,868,794, Cl. 367-23.000.
- Britos, Jose D., to Asecom S.C.L. Interface between personal computer and telex communication system. 4,803,312, 2-7-89, Cl. 178-17.00R.
- Britsch, Helmut: *See—*
  - Beer, Hans-Rudolf; Britsch, Helmut; Kaiser, Tony; Maier, Gunther; and Muff, Alois, 4,805,064, Cl. 361-117.000.
  - Beer, Hans-Rudolf; Britsch, Helmut; Julke, Elias; and Kaiser, Tony, 4,818,319, Cl. 156-192.000.
- Britt, Ira, to American Sign & Indicator Corporation. Matrix lamp bank display and light filtering assembly. 4,843,527, 6-27-89, Cl. 362-231.000.
- Britt, Paul E., to Vebco, Inc. Motor mounting method and means. 4,886,989, 12-12-89, Cl. 310-89.000.
- Britt, Ronald H., to Lundy ELectronics & Systems, Inc. Optical character reader with skew recognition. 4,876,730, 10-24-89, Cl. 382-37.000.
- Britt, Thomas R., to Dow Chemical Company, The. Process for the removal of a solute from a solution. 4,864,012, 9-5-89, Cl. 528-210.000.
- Brittain, David R., to Marley Tile A.G. Tile making machines. 4,820,144, 4-11-89, Cl. 425-183.000.
- Brittain, Donald; and Boutin, Germain, to Guardian Telecommunications Systems, Inc./VASA Engineering. Electronic gating control for manual telephone switchboard. 4,819,262, 4-4-89, Cl. 379-157.000.
- Brittain, Harry G.: *See—*
  - Havenstein, Bennett L.; Picerno, Raysna; Brittain, Harry G.; and Nestor, James R., 4,861,727, Cl. 436-136.000.
- Brittain, John C., Jenkins, Cecil; Adelman, William P.; and Woolslayer, Joseph R., to Lee C. Moore Corporation. Pipe moving apparatus and method. 4,834,604, 5-30-89, Cl. 414-22.550.
- Brittain, Perry N.; and Kirkpatrick, John D., to Sentry Piping Systems, Inc. Process for lining a high pressure pipeline. 4,818,314, 4-4-89, Cl. 156-87.000.
- Brittelli, David R., to Du Pont de Nemours, E. I., and Company. Chiral glycidyl azides as synthetic intermediates to optically active compounds. 4,877,892, 10-31-89, Cl. 549-552.000.
- Britten, Nancy J.: *See—*
  - Shah, Ashok C.; Britten, Nancy J.; and Badalamenti, Joseph N., 4,824,677, Cl. 424-467.000.
- Brittin, Craig E., to General Motors Corporation. Vacuum brazing of aluminum alloy workpieces. 4,804,128, 2-14-89, Cl. 228-217.000.
- Brittin, Craig E., to General Motors Corporation. Vacuum brazing of aluminum alloy workpieces. 4,886,449, 12-12-89, Cl. 432-121.000.
- Brittin, Darryl S.: *See—*
  - Bhalaik, Arun; Braddick, Peter W.; Brittin, Darryl S.; and Johnson, Gerald L., 4,808,036, Cl. 405-217.000.
- Britton, Arthur, to Courtaulds PLC. Manufacture of flexible sheet material. 4,883,551, 11-28-89, Cl. 156-178.000.
- Britton, Charles L., Jr.; Becker, Thomas H.; and Bedwell, Michael O., to Ortec Incorporated. Automatic pole-zero adjustment circuit for an ionizing radiation spectroscopy system. 4,866,400, 9-12-89, Cl. 330-305.000.
- Britton, Joe L., Sr.; and Spector, George. Retractable 2 way microphone. 4,856,070, 8-8-89, Cl. 381-169.000.
- Britton, John, to Valor International Ltd.; and HBH Equipment Ltd. Control gear for high intensity gas discharge lighting. 4,881,011, 11-14-89, Cl. 315-209.0SC.
- Britton, John R., to British Aerospace Public Limited Company. Wing leading edge arrangements for aircraft. 4,848,707, 7-18-89, Cl. 244-214.000.
- Britz, William J. Low distortion oscillator. 4,795,988, 1-3-89, Cl. 331-135.000.
- Britze, Manfred, to Daimler-Benz Aktiengesellschaft. Vibration damper for vehicles. 4,819,771, 4-11-89, Cl. 188-299.000.
- Brizgys, Peter V.: *See—*
  - Shay, Gregory D.; Kravitz, Fran K.; Brizgys, Peter V.; and Kenten, Mark A., 4,801,671, Cl. 526-214.000.
- Brizio, Giuseppe; Gallizio, Roberto; and Tosco, Luigi, to Fiat Auto S.p.A. System for the rapid clamping of dies on a horizontal press for the injection moulding of plastics materials. 4,867,666, 9-19-89, Cl. 425-190.000.
- Brizio, Giuseppe: *See—*
  - Margiaria, Giorgio; and Brizio, Giuseppe, 4,861,258, Cl. 425-444.000.
- Brizuela, Corazon C.: *See—*
  - Johnson, Todd W.; and Brizuela, Corazon C., 4,877,526, Cl. 210-448.000.
- Brizzi, Marco: *See—*
  - Gamberini, Antonio; and Brizzi, Marco, 4,875,325, Cl. 53-137.000
- Bro, Jay M.: *See—*
  - Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., 4,844,475, Cl. 273-311.000
- Broadband Engineering, Inc.: *See—*
  - Ellis, William H., 4,825,468, Cl. 380-7.000.
- Broadbent, Carolyn: *See—*
  - Hansen, Stuart; Fjeldsted, John; and Broadbent, Carolyn, 4,885,500, Cl. 313-256.000.
- Broadbent, Carolyn C.; and Fjeldsted, John C., to Hewlett-Packard Company. Heating system for GC/MS instruments. 4,804,839, 2-14-89, Cl. 250-288.000.
- Broadbent, James M.: *See—*
  - Kosuge, Takuo; and Sugiyama, Kiyoshi, 4,801,453, Cl. 424-95.000
- Broadbent, John, to Ellis Corporation. Washing and extracting machine. 4,856,301, 8-15-89, Cl. 68-12.00R.
- Broadbent, Ronald W., to Amchem Products, Inc. Gloss enhancement of autodeposited coatings. 4,800,106, 1-24-89, Cl. 427-388.100.
- Broadcast Data Systems Limited Partnership: *See—*
  - Kenyon, Stephen C.; Simkins, Laura J.; and Sebastian, Richard L., 4,843,562, Cl. 364-487.000.
- Broadcast Technology Partners: *See—*
  - Bod, Murray L.; McMann, Renville H.; and Torick, Emil L., 4,817,151, Cl. 381-13.000.
- Broadcast Television Systems GmbH: *See—*
  - Schulz, Axel; Hescher, Manfred; and Eiberger, Berthold, 4,823,21 Cl. 360-64.000.
- Broaddus, Charles D., to Procter & Gamble Company, The. Mixtures for treating hypercholesterolemia. 4,849,222, 7-18-89, Cl. 424-195.100.
- Broaddus, Clarke R., to Du Pont de Nemours, E. I., and Company. Seven hole spinneret. 4,836,763, 6-6-89, Cl. 425-131.500.
- Broadhead, Douglas G.: *See—*
  - Hodgson, Gordon; Broadhead, Douglas G.; and Parent, David J., 4,875,538, Cl. 180-379.000.
- Broadhurst, John H.; and Bacaner, Marvin B. Endotracheal tube and mass spectrometer. 4,850,371, 7-25-89, Cl. 128-719.000.
- Broadhurst, John H., to Sysmed, Inc. Resistor holder. 4,862,13 8-29-89, Cl. 338-64.000.
- Broadhurst, John H., to Sysmed, Inc. Linear particle accelerator with seal structure between electrodes and insulators. 4,879,518, 11-7-8 Cl. 328-233.000.
- Broadhurst, Michael J.; Handa, Balraj K.; Johnson, William H.; Lawton, Geoffrey; and Machin, Peter J., to Hoffmann-La Roche Inc. Phosphinic acid derivatives. 4,885,283, 12-5-89, Cl. 514-78.000.
- Broadway Companies, Inc.: *See—*
  - Bartley, Harold D.; and Gaiser, William R., 4,861,260, Cl. 425-529.000.
- Broadwin, Alan; Kreizman, Alexander; Puiam, Chana; Podany, Vaclav O.; and Emery, Leonard M., to Cooper LaserSonics, Inc. Method and apparatus for ultrasonic surgical fragmentation and removal of tissue. 4,827,911, 5-9-89, Cl. 128-24.00A.
- Broadwin, Alan: *See—*
  - Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., 4,846,790. Cl. 604-22.000.
  - Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., 4,881,761, Cl. 285-239.000.
  - Kuhl, Peter; Broadwin, Alan; and Hornlein, Robert W., 4,832,02 Cl. 128-303.00R.
- Broan Manufacturing Co., Inc.: *See—*
  - Penlesky, Robert G.; Wolbrink, David W.; Jonas, Kenneth J.; and Kuhnke, Thomas A., 4,867,640, Cl. 415-204.000.
- Broberg, Daniel M.; and Prentice, Terry A. Vehicle battery charger. 4,829,223, 5-9-89, Cl. 320-2.000.
- Brocard, Jean-Marie; Perrodeau, Eric; and Vernochet, Maurice G., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A." . Turbine engine fuel control system. 4,817,375, 4-4-89, Cl. 60-39.281.
- Brocard, Jean-Marie; Perrodeau, Eric; and Vernochet, Maurice G., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A." . Modular sub-assembly for turbine engine fuel control systems. 4,817,376, 4-4-89, Cl. 60-39.281.
- Brocci, Marino: *See—*
  - Moroni, Renato; and Brocci, Marino, 4,803,230, Cl. 521-168.000.
- Broccoli, Anthony B. Spray gun vent. 4,832,232, 5-23-89, Cl. 222-188.000.
- Brochard, Claude: *See—*
  - Warnan, Francois; Barbot, Joel;; and Brochard, Claude, 4,861,297, Cl. 441-33.000.
- Brochard, Gerard: *See—*
  - Battmann, Jean-Claude; Brochard, Gerard; Charamnac, Jean-Marie; Finas, Roland; and Pietri, Vincent, 4,864,603, Cl. 379-106.000.
- Brochard, Victor: *See—*
  - Soullard, Marcel; and Brochard, Victor, 4,797,975, Cl. 17-46.000.
- Brochier S.A.: *See—*
  - Auduc, Herve ; and Aucagne, Jean, 4,835,046, Cl. 428-288.000.
  - Bompard, Bruno; Debaille, Christian; and Bruyere, Alain, 4,889,063, Cl. 112-402.000.
- Brocious, George D. Apparatus for road surface repair with fiber-reinforced asphalt. 4,820,078, 4-11-89, Cl. 404-92.000.
- Brock, Alan J.: *See—*
  - Taylor, Reginald M.; and Brock, Alan J., 4,876,278, Cl. 514-494.000.
- Brock, Blanchard M.: *See—*
  - Armbruster, Randy E.; Brock, Blanchard M.; Bushnell, Timothy L.; and Loose, Guenter H., 4,821,054, Cl. 354-282.000.
- Brock, George W.: *See—*
  - Favrou, John M.; Lacey, Christopher A.; and Brock, George W., 4,875,129, Cl. 360-122.000.
  - Lacey, Christopher A.; and Brock, George W., 4,888,657, Cl. 360-122.000.
- Brock, J. Don; and May, James G., to Astec Industries, Inc. Asphalt plant with fixed sleeve mixer. 4,867,572, 9-19-89, Cl. 366-25.000.
- Brock, James D.; Smith, Donald W.; and Renneck, John P., to Barber-Greene Company. Methods and apparatus for making an asphalt-aggregate pavement. 4,818,139, 4-4-89, Cl. 404-81.000.
- Brock, James E.; and DeUnger, William R., to Citrus Central, Inc. Rotary apparatus and method for removing trim rings from composite cans. 4,812,172, 3-14-89, Cl. 134-22.100.
- Brock, John C., to TRW Inc. Spatial filter with gain. 4,803,686, 2-7-89, Cl. 372-44.000.
- Brock, John C., to TRW Inc. Photoionization optical filter and detector. 4,879,468, 11-7-89, Cl. 250-374.000.
- Brock, Judith: *See—*
  - Boyd, Cecil, 4,838,324, Cl. 141-64.000.
- Brock Manufacturing, Inc.: *See—*
  - Haab, Alvin D., 4,813,833, Cl. 411-188.000.
- Brock, Thomas: *See—*
  - Bederke, Klaus; Brock, Thomas; Kerber, Hermann; and Rupieper, Paul, 4,839,414, Cl. 524-507.000.
- Brockel, Klaus: *See—*
  - Dorner, Wolfgang; Leuchte, Michael; and Brockel, Klaus, 4,817,738, Cl. 173-162.100.
- Brockelsby, William K.: *See—*
  - Baldwin, Howard A.; Walker, Conrad M. B.; and Brockelsby, William K., 4,870,419, Cl. 342-50.000.
- Brockelt, Michael: *See—*
  - Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,408, Cl. 560-330.000.
  - Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,409, Cl. 560-330.000.
- Brockenbrough, Roger L.; and Douty, Donald L., to USX Corporation. Energy absorption and barrier device for automotive vehicles and method for making the same. 4,852,704, 8-1-89, Cl. 188-376.000.
- Brockhaus, Ernst, to Ed. Scharwachter GmbH & Co. KG. Automotive door hinge assembly with removable hinge wing. 4,800.623, 1-31-89, Cl. 16-254.000.
- Brockhaus, Ernst, to Ed. Scharwachter GmbH & Co. KG. Unhingeable door hinge for motor vehicle doors having a hinge pin divided into two bolt-like halves non rotatably fastened to a hinge portion. 4,854,009, 8-8-89, Cl. 16-263.000.
- Brockhaus, Ernst, to Ed. Scharwachter GmbH & Co. KG. Arrangement with dual hinge assemblies for removable motor vehicle doors. 4,864,689, 9-12-89, Cl. 16-262.000.
- Brockhaus, Jurgen: *See—*
  - Tolle, Karl-Heinz; Heinemann, Heinz-Walter; Brockhaus, Jurgen; and Fiebrich, Wolfgang, 4,879,785, Cl. 16-82.000.
- Brocklebank, Norman; and Cooper, Alan, to J. C. Bamford Excavators Limited. Boom for a vehicle including folding linkage between boom parts. 4,859,138, 8-22-89, Cl. 414-694.000.
- Brocklehurst, Charles E., to Sew Simple Systems, Inc. Fitted sheet hemmer. 4[illegible]442, 8-15-89, Cl. 112-147.000.
- Brocklehur[illegible]arles E., to Sew Simple Systems, Inc. Fitted sheet hemmer. [illegible]844, 8-15-89, Cl. 112-262.300.
- Brocklehurst, Timothy F.: *See—*
  - Kirsop, Brian H.; and Brocklehurst, Timothy F., 4,837,037, Cl. 426-303.000.
- Brockman, John P.: *See—*
  - Stone, Kirby L.; Kneifel, R. W., II; and Brockman, John P., 4,799,981, Cl. 156-64.000.
- Brockman, Lester H. Collapsible sawhorse. 4,880,080, 11-14-89, Cl. 182-155.000.
- Brockman, Robert T., to Universal Computer Consulting, Inc. Encryption system. 4,853,962, 8-1-89, Cl. 380-44.000.
- Brockman, William H.: *See—*
  - Skarr, Steven B.; and Brockman, William H., 4,833,383, Cl. 318-568.160.
- Brockmann, Gunter: *See—*
  - Hillemeier, Bernd; Brockmann, Gunter; and Pohl, Richard, 4,804,563, Cl. 427-397.700.
  - Hillemeier, Bernd; Brockmann, Gunter; and Pohl, Richard, 4,824,022, Cl. 239-407.000.
- Brockmann, Werner, to Nixdorf Computer AG. Integrated circuit component. 4,818,902, 4-4-89, Cl. 307-465.000.
- Brockmann, Werner, to Nixdorf Computer AG. Programmable logic array having connectable matrices. 4,868,426, 9-19-89, Cl. 307-465.000.
- Brockmann, Werner, to Nixdorf Computer AG. Component produced using integrated technology for the fabrication of integrated circuits. 4,874,968, 10-17-89, Cl. 307-303.000.
- Brockmanns, Karl-Josef; and Lunenschloss, Joachim. Friction spinning apparatus. 4,815,267, 3-28-89, Cl. 57-401.000.
- Brockmeier, Norman F.: *See—*
  - Topliss, Robert J.; Brockmeier, Norman F.; and Lindahl, Harold A., 4,888,704, Cl. 364-500.000.
- Brockmeyer, Jerry W.; and Cummings, Michael A., to Swiss Aluminium Ltd. Apparatus for casting molten metal. 4,802,527, 2-7-89, Cl. 164-358.000.
- Brockmeyer, Jerry W., to Swiss Aluminium Ltd. Ceramic foam. 4,803,025, 2-7-89, Cl. 264-63.000.
- Brockmeyer, Jerry W.; Aubrey, Leonard S.; and Dore, James E., to Swiss Aluminium Ltd. Ceramic foam filter and process for preparing same. 4,885,263, 12-5-89, Cl. 501-81.000.
- Brocks, Dietrich: *See—*
  - Teetz, Volker; Henke, Stephan; Brocks, Dietrich; Hanauske-Abel, Hartmut; and Gunzler, Volkmar, 4,797,471, Cl. 514-18.000.
  - Timpl, Rupert; and Brocks, Dietrich, 4,798,800, Cl. 435-273.000.
- Brocksieper, Manfred; Luckger, Rolf; Kroschel, Hans-Gerd; and Stechow, Jochen, to Goetze AG. Method and apparatus for making piston rings. 4,856,105, 8-8-89, Cl. 364-474.020.
- Brockway, Barbara E., to University of Reading of Whiteknights House. Treatment of hair. 4,853,215, 8-1-89, Cl. 424-71.000.
- Brockway, Barbara E.: *See—*
  - King, Richard D.; and Brockway, Barbara E., 4,834,765, Cl. 8-128.300.
- Brockway, Brian P.; Mills, Perry A.; and Miller, Jonathan T., to Data Sciences, Inc. Device for chronic measurement of internal body pressure. 4,846,191, 7-11-89, Cl. 128-748.000.
- Brockway, Brian P.: *See—*
  - Mills, Perry A.; and Brockway, Brian P., 4,796,641, Cl. 128-748.000.
- Brockway, Inc. (N.Y.): *See—*
  - McMeekin, James H.; Lerch, Alan E.; Chollock, Ronald S.; and Wesdock, James F., 4,874,940, Cl. 250-223.00B.
  - Miller, Paul A., 4,828,884, Cl. 427-284.000.
- Brockway, James E.: *See—*
  - Clark, Thomas A.; and Brockway, James E., 4,866,222, Cl. 200-16.00E.
- Brocone, Er[illegible] and Miller, Dennis L. Body surfing board. 4,886,476, 12-12-89, Cl. 441-6[illegible].000.
- Brod & McClung - Pace Co.: *See—*
  - Passadore, Albert M., 4,859,140, Cl. 415-48.000.
- Brod, Peter: *See—*
  - Roos, Friedrich; Brod, Peter; and Moller, Wilfried, 4,831,747, Cl. 34-54.000.
- Brodalla, Dieter: *See—*
  - Buchmeier, Willi; and Brodalla, Dieter, 4,877,495, Cl. 204-42.000.
  - Leiter, Herbert; Brodalla, Dieter; Wennemann, Harald; Jost, Frantisek; and Buhl, Andreas, 4,844,744, Cl. 134-40.000.
- Brode, George L.: *See—*
  - Fan, You-Ling; Stanley, James P.; and Brode, George L., 4,889,887, Cl. 524-510.000.
- Brode, George L., II; and Merritt, Frederick M., II, to Union Carbide Corporation. Partially hydrolyzed, poly(N-acyl)alkylenimines in personal care. 4,837,005, 6-6-89, Cl. 424-47.000.
- Brode, George L., II; and Merritt, Frederick M., II, to Union Carbide Chemicals and Plastics Company Inc. Partially hydrolyzed, poly(N-acyl alkylenimines) in personal care. 4,873,293, 10-10-89, Cl. 525-417.000.
- Brodell, Robert F.; and Suciu, Gabriel L., to United Technologies Corporation. Segmented interstage seal assembly. 4,884,950, 12-5-89, Cl. 416-174.000.
- Broden, David A.: *See—*
  - Frick, Roger L.; Pierce, Dean S.; and Broden, David A., 4,833,922, Cl. 73-756.000.
- Broder, Samuel: *See—*
  - Mitsuya, Hiroaki; and Broder, Samuel, 4,861,759, Cl. 514-46.000.
  - Mitsuya, Hiroaki; and Broder, Samuel, 4,879,277, Cl. 514-49.000.
- Broderick, Kevin; Catchman, Vernon C.; Herrington, Fox J.; Johnston, Shirley K.; Olson, Robert H.; and Stell, Donald, to Mobil Oil Corpo-

ration. Draw tape bag with two single wrap around draw tapes and method of manufacture. 4,850,946, 7-25-89, Cl. 493-194.000.

Broderick, Patricia A., to Research Foundation, The City University of New York. Cathodic electrochemical current arrangement with telemetric application. 4,883,057, 11-28-89, Cl. 128-631.000.

Brodersen, Cole T.; and Foster, Danny S., to Sears Manufacturing Company. Adjustable armrest. 4,828,323, 5-9-89, Cl. 297-417.000.

Brodersen, Cole T.; and Foster, Danny S., to Sears Manufacturing Company. Mechanical seat suspension with concentric cam surfaces. 4,856,763, 8-15-89, Cl. 267-131.000.

Brodersen, John C. Method and apparatus for containment and/or directing the flow of spilled hazardous liquids. 4,799,821, 1-24-89, Cl. 405-115.000.

Brodfuehrer, Paul R.: *See—*

Brundidge, Steven P.; Brodfuehrer, Paul R.; Sapino, Chet, Jr.; Shih, Kun M.; and Walker, Donald G., 4,868,294, Cl. 540-222.000.

Brodie, Alastair C.: *See—*

Hayman, David F.; Brodie, Alastair C.; and Procopiou, Panayiotis A., 4,837,336, Cl. 548-430.000.

Brodie, George R. Liquid distribution system. 4,798,138, 1-17-89, Cl. 101-365.000.

Brodie, Ivor; and Thackray, Malcolm, to SRI International. Method for intensification and reflective read-out of underexposed film, radiographs, and the like. 4,818,649, 4-4-89, Cl. 430-21.000.

Brodie, Ivor, to SRI International. High efficiency lamp. 4,818,914, 4-4-89, Cl. 315-169.300.

Brodie, John: *See—*

Buchanan, Nigel; and Brodie, John, 4,842,107, Cl. 188-352.000.

Brodie, Scott. Method and apparatus for repairing lawn sprinkler systems. 4,810,008, 3-7-89, Cl. 285-31.000.

Broding, Robert A., to Standard Oil Company (Indiana). Transmitting multiple borehole parameters in sonic logging. 4,829,486, 5-9-89, Cl. 367-25.000.

Brodling, Gunter; Feyerabend, Franz; Hubert, Peter; Krahiing, Franz; Peitz, Wolfgang; Sewing, Karlernst; and Schnelle, Diethard, to Westfalische Metall Industrie KG, Hueck & Co. Dimmed motor vehicle headlight. 4,797,790, 1-10-89, Cl. 362-61.000.

Brodman, Bruce W.: *See—*

Gold, Kenneth; and Brodman, Bruce W., 4,814,439, Cl. 536-30.000.

Brodmann, George L., to Burlington Industries, Inc. Dyed polyester fabrics with improved lightfastness. 4,812,139, 3-14-89, Cl. 8-490.000.

Brodmann, George L., to Burlington Industries, Inc. Colored polycarbonate articles with high impact resistance. 4,812,142, 3-14-89, Cl. 8-512.000.

Brodmann, Peter, to Volkswagen AG. Belt force limiting device. 4,886,296, 12-12-89, Cl. 280-805.000.

Brodnax, Timothy B., to International Business Machines Corporation. Parity generator circuit and method. 4,879,675, 11-7-89, Cl. 364-738.000.

Brodowski, Walter, to Akzo N.V. Melt-processable, thermotropic, fully aromatic polyesters. 4,841,014, 6-20-89, Cl. 528-191.000.

Brodr. Brunvoll Motorfabrikk A/S: *See—*

Dyrkorn, Arnfinn, 4,884,985, Cl. 440-52.000.

Brodrecht, Louisa: *See—*

Cotts, David B.; and Brodrecht, Louisa, 4,857,569, Cl. 524-104.000.

Brodrib, William A. Ambulatory animal toy. 4,816,002, 3-28-89, Cl. 446-373.000.

Brodsky, Bruce L., to Westinghouse Electric Corp. Computer driver module for master interface to communication and control network. 4,833,600, 5-23-89, Cl. 364-200.000.

Brodsky, Stephen B.: *See—*

Ahn, Kie Y.; Basavaiah, Saryadevara; Brodsky, Stephen B.; Cortellino, Charles A.; and Levine, Joseph E., 4,803,110, Cl. 428-137.000.

Brodsky, Stuart: *See—*

Davis, Donald F.; Brodsky, Stuart; and Houska, Jeffrey, 4,799,927, Cl. 604-192.000.

Brodt, Werner; and Papenfuhs, Theodor, to Hoechst Aktiengesellschaft. Process for the preparation of 2-nitro-4-sulfamyldiphenylamine dyestuffs. 4,851,575, 7-25-89, Cl. 564-87.000.

Brody, Harry; Dewar, Colin A.; and Hayman, Nigel W., to Imperial Chemical Industries PLC. Fibers and hollow fibrous tubes. 4,822,678, 4-18-89, Cl. 428-373.000.

Brody, Harvey, to Delshar Industries, Inc. Spray can actuation device with locking mechanism. 4,805,812, 2-21-89, Cl. 222-402.110.

Broedner, Walter: *See—*

Sander, Wendell; Huston, Dick; Broedner, Walter; and Huston, Clifford, 4,888,680, Cl. 364-200.000.

Broekhof, Nicolaas L. J. M.; Witteveen, Jan G.; and van der Weerdt, Antonius J. A., to Naarden International N.V. Cyclohexane-, cyclohexene- and cyclohexadiene-, bicyclo (2.2.1)-heptenecarboxylic acid esters, and also perfume compositions and perfumed products which contain one or more of said compounds as perfume component. 4,843,061, 6-27-89, Cl. 512-22.000.

Broekhuis, Antonius A., to Shell Oil Company. Elastomer comprising at least one conjugated olefin group and method of making same. 4,839,431, 6-13-89, Cl. 525-298.000.

Broemel, Lloyd F., Jr. Compatible extension tip for an air ratchet adaptor. 4,827,809, 5-9-89, Cl. 81-57.300.

Broemer, Heinz; Huber, Werner; and Meinert, Norbert, to Ernst Leitz Wetzlar GmbH. Optical fluorophosphate glasses possessing positive anomalous partial dispersion and improved physico-chemical properties, and a process for their preparation. 4,857,487, 8-15-89, Cl. 501-44.000.

Broemer, Heinz: *See—*

Franek, Henning; Broemer, Heinz; and Deutscher, Klaus, 4,830,655, Cl. 65-286.000.

Franek, Henning; Deutscher, Klaus-Konrad, deceased; Broemer, Heinz; Strunz, Volker; and Rosenkranz, Wolfgang, 4,881,897, Cl. 433-169.000.

Broemmelsiek, H. Eugene; Lee, Raymond; and Lanier, Carroll W., to Ethyl Corporation. Production of foamed polymer structures. 4,877,563, 10-31-89, Cl. 264-26.000.

Broemmelsiek, H. Eugene: *See—*

Lanier, Caroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, 4,855,331, Cl. 521-184.000.

Lanier, Carroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, 4,822,537, Cl. 264-26.000.

Lee, Raymond; Lanier, Carroll W.; and Broemmelsiek, H. Eugene, 4,804,504, Cl. 264-26.000.

Broens, Hubertus W.: *See—*

de Wilde, Etienne F.; and Broens, Hubertus W., 4,849,108, Cl. 210-603.000.

Broeren, Martinus H. J. L. M.: *See—*

In 't Zandt, Hubertus W. G.; and Broeren, Martinus H. J. L. M., 4,869,707, Cl. 474-115.000.

Broersma, Robert J.: *See—*

McCarthy, James R.; Bargar, Thomas M.; Barney, Charlotte L.; Matthews, Donald P.; and Broersma, Robert J., 4,847,288, Cl. 514-438.000.

Broersma, Robert J., Jr.: *See—*

Matthews, Donald P., McCarthy, James R.; Whitten, Jeffrey P.; and Broersma, Robert J., Jr., 4,810,800, Cl. 548-336.000.

Brogardh, Torgny; and Ovren, Christer, to ASEA Aktiebolag. Fiber-optic measuring apparatus using luminescent material. 4,880,97 11-14-89, Cl. 250-231.00R.

Broger, Emil A.; Crameri, Yvo; and Heiser, Bernd, to Hoffmann-La Roche Inc. Isoquinoline derivatives. 4,857,648, 8-15-89, Cl. 546-147.000.

Broger, Samuel: *See—*

Tam, Steve; Weigele, Manfred; Broger, Samuel; and Mitsuya, Hiroaki, 4,837,311, Cl. 536-22.000.

Brogger, Luthier J. Bohm mechanical system for a woodwind. 4,798,120, 1-17-89, Cl. 84-380.00R.

Broghammer, Heinz: *See—*

Band, Gerhard; and Broghammer, Heinz, 4,889,519, Cl. 474-101.000.

Broglio, Marco, to Valeo. Heat exchanger with liquid circulation, particularly for an automobile, including a liquid degasification passage. 4,846,265, 7-11-89, Cl. 165-104.320.

Brohammer, Lawrence F. Removable spindle for drill heads. 4,867,61 9-19-89, Cl. 408-39.000.

Brohl, Franz-Josef; and Finck, Lothar, to Munchow & Huhne Maschinenbaugesellschaft mbH. Steam chest mold for making a rectangular-section foam block. 4,823,765, 4-25-89, Cl. 425-4.00R.

Broich, Bruno; Gobrecht, Jens; Roggwiller, Peter; and Voboril, Jan, to BBC Brown, Boveri & Company Limited. Disconnectable power semiconductor component. 4,829,348, 5-9-89, Cl. 357-22.000.

Broich, Bruno; and Gruning, Horst, to BBC Brown Boveri AG. Power semiconductor component. 4,862,239, 8-29-89, Cl. 357-38.000.

Broide, Michael L.; Bowen, Mark S.; and Cohen, Richard J., to Massachusetts Institute of Technology. Optical pulse particle size analyzer. 4,850,707, 7-25-89, Cl. 356-336.000.

Broide, Michael L.: *See—*

Cohen, Richard J.; Broide, Michael L.; and Bowen, Mark S., 4,851,329, Cl. 435-5.000.

Broido, Georges H. G., to Hyprez S.A. Sample having coated perforations intended to be examined under the microscope and its preparation process, particularly for printed circuit boards. 4,833,91 5-30-89, Cl. 73-150.00R.

Brois, Stanley J.; and Gutierrez, Antonio, to Exxon Research and Engineering Company. Amine-treated thio-bis-(alkyl lactone acid and thio-bis-(hydrocarbyl diacid) materials, additives for lubricating compositions. 4,851,524, 7-25-89, Cl. 540-474.000.

Brois, Stanley J.; and Gutierrez, Antonio, to Exxon Research & Engineering Company. Thio-bis(alkyl lactone acid esters) and thio-bis-(hydrocarbyl diacid esters) are useful additives for lubricating compositions. 4,866,187, 9-12-89, Cl. 549-320.000.

Brois, Stanley J., to Exxon Chemical Patents Inc. Olefinic hydrocarbon modification with sulfur imides. 4,867,753, 9-19-89, Cl. 44-71.000.

Brois, Stanley J.; and Gutierrez, Antonio, to Exxon Research & Engineering Company. Macrocyclic polyamine and polycyclic polyamine multifunctional lubricating oil additives. 4,880,923, 11-14-89, Cl. 540-471.000.

Brois, Stanley J.: *See—*

Lewtas, Kenneth; and Brois, Stanley J., 4,810,262, Cl. 44-70.000.

Brokans, Alexander. Method of combining fish sawdust with flaked fish. 4,871,560, 10-3-89, Cl. 426-272.000.

Brokaw, A. Paul, to Analog Devices, Inc. MOS current mirror with high output impedance and compliance. 4,855,618, 8-8-89, Cl. 307-296.600.

Brokaw, A. Paul: *See—*

Lewis, Stephen R.; and Brokaw, A. Paul, 4,808,908, Cl. 323-313.000.

Brokaw, Adrian P., to Analog Devices, Incorporated. High-gain IC amplifier. 4,857,862, 8-15-89, Cl. 330-261.000.

Brokaw, Adrian P.: *See—*

Barrow, Jeffrey G.; and Brokaw, Adrian P., 4,879,505, Cl. 323-312.000.

Barrow, Jeffrey G.; and Brokaw, Adrian P., 4,885,585, Cl. 341-169.000.

Broken Hill Proprietary Company Limited, The: *See—*

Doonan, Jeffery W.; Unicomb, Peter I.; and Armstrong, Robert K., 4,816,090, Cl. 148-320.000.

Kemlo, Kenneth G., 4,818,936, Cl. 324-232.000.

Rigby, Geoffrey R., 4,869,727, Cl. 44-16.00D.

Schmidt, Gunter H. R.; Joge, Hans-Dieter; Sauer, Wilhelm R.; and Spruit, Abraham C., 4,802,603, Cl. 220-268.000.

Schmidt, Gunter H. R., 4,842,469, Cl. 413-60.000.

Scott, John C., 4,871,916, Cl. 250-338.500.

Swinkels, Dominicus A.; and Chouzadjian, Kevork, 4,836,990, Cl. 423-130.000.

Thompson, Noel E.; Johns, Richard Martin; Rozmus, Gregory; Voss, George F.; Edwards, William J.; and Thomas, Peter J., 4,881,392, Cl. 72-7.000.

Williams, Daryl N., 4,801,207, Cl. 356-376.000.

Brokenshire, Daniel A. Stereoscopic graphics display system with multiple windows for displaying multiple images. 4,875,034, 10-17-89, Cl. 340-721.000.

Broker, Werner: *See—*

Blaschke, Gottfried; Fraenkel, Werner; Broker, Werner; and Kinkel, Joachim, 4,882,048, Cl. 210-198.200.

Brokhage, Josef: *See—*

Kuhnt, Rainer; Diemer, Wolfgang; Jakob, Kurt; and Brokhage, Josef, 4,828,697, Cl. 210-408.000.

Broll, Josef; and Freckmann, Heinz, to Benz & Hilgers GmbH. Divided valve. 4,830,236, 5-16-89, Cl. 222-485.000.

Brolund, Theodore F.; and Arnesson, Joel C. E., to W. A. Whitney Corp. Lifting hand for a punch press tool changer. 4,860,428, 8-29-89, Cl. 29-568.000.

Brom, Lawrence V.: *See—*

Hanko, Jimmy J.; and Brom, Lawrence V., 4,836,364, Cl. 206-45.140.

Brom, Richard J.: *See—*

Hovis, Donald B.; Schneider, Edward T.; Hassler, William L.; and Brom, Richard J., 4,867,140, Cl. 128-24.00R.

Brombach, Hansjorg; and Markland, Eric, to Brombach, Hansjorg, Dr.; and Hohlwegler, Heinrich. Siphon weir with a ventilating mechanism. 4,810,130, 3-7-89, Cl. 405-80.000.

Brombach, Hansjorg; and Hohlwegler, Heinrich. Hydro-dynamic separator. 4,816,156, 3-28-89, Cl. 210-512.100.

Brombach, Hansjorg, Dr.: *See—*

Brombach, Hansjorg; and Markland, Eric, 4,810,130, Cl. 405-80.000.

Bromfield, George, to EDO Corporation, Western Division. Flextensional sonar transducer assembly. 4,845,687, 7-4-89, Cl. 367-158.000.

Bromine Compounds Limited: *See—*

Barak, Ayala, 4,866,094, Cl. 514-528.000.

Georlette, Pierre; Goren, Hanoch; Shmilowitz, Shaul; and Teuerstein, Avraham, 4,849,134, Cl. 252-601.000.

Shorr, Leonard M.; Fishler, Theodor M.; Georlette, Pierre; and Rumack, Michael, 4,849,467, Cl. 524-104.000.

Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,849,547, Cl. 568-639.000.

Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,871,882, Cl. 568-639.000.

Bromley, Robert L.: *See—*

Eastman, Lewis K., II; and Bromley, Robert L., 4,797,796, Cl. 362-199.000.

Bromley, Steven D.: *See—*

Barbiaux, William J.; McCarthy, Timothy D.; Bromley, Steven D.; and Milliorn, Gary W., 4,804,937, Cl. 340-52.00F.

Milliorn, Gary W.; and Bromley, Steven D., 4,797,948, Cl. 455-54.000.

Brommer, Gerrit; Van Herwijnen, Arend; Talma, Cornelis J.; and Veenstra, Herbert E. V., to U.S. Philips Corporation. Solid electrolytical capacitor. 4,827,381, 5-2-89, Cl. 361-531.000.

Bron, Alphonse, to ETA SA Fabriques d'Ebauches. Pushpiece mechanism for a timepiece. 4,818,830, 4-4-89, Cl. 200-341.000.

Bron, Dan, to Manisa Establishment. Drip emitter. 4,796,660, 1-10-89, Cl. 137-504.000.

Bron Elektronik AG: *See—*

Haberthur, Walter, 4,811,923, Cl. 248-278.000.

Nussli, Armin, 4,807,089, Cl. 362-17.000.

Bron, Michel: *See—*

Gercekci, Anil; Bron, Michel; and Hudson, Peter D., 4,841,133, Cl. 235-492.000.

Bron, Raymond. Aircraft landing gear maintenance and weighing system. 4,889,202, 12-26-89, Cl. 177-134.000.

Broncostat Pty. Limited: *See—*

Clancy, Robert L., 4,873,090, Cl. 424-451.000.

Bronder, David G. Swing-away taillight assembly. 4,851,970, 7-25-89, Cl. 362-66.000.

Brondo, Joseph H., Jr.: *See—*

Ettinger, Kamil V.; and Brondo, Joseph H., Jr., 4,851,687, Cl. 250-390.040.

Brondsted, Ole: *See—*

Sattrup, Jens E.; and Brondsted, Ole, 4,812,219, Cl. 101-375.000.

Broney, Scott C.: *See—*

Schaefer, Robert E.; Broney, Scott C.; and Chesney, Joseph J., Jr., 4,833,178, Cl. 523-428.000.

Bronicki, Lucien: *See—*

Assaf, Gad; and Bronicki, Lucien, 4,801,811, Cl. 290-55.000.

Bronicki, Lucien Y.; and Lehman, Gerard, to Ormat Turbines (1965) Ltd. Energy-saving pressure reducer. 4,829,196, 5-9-89, Cl. 290-54.000.

Bronn, William R., to Riker Laboratories, Inc. Multi-step process for producing 5-hydroxy-N-(6-oxo-piperidyl-methyl)-2-(2,2,2-trifluoroethoxy)-benzamide and derivatives. 4,824,953, 4-25-89, Cl. 546-221.000.

Bronn, William R.; Silver, Spencer F.; and Joseph, Eugene G., to Minnesota Mining and Manufacturing Company. Method of making condensed phase polymers. 4,857,615, 8-15-89, Cl. 526-173.000.

Bronn, William R.: *See—*

Silver, Spencer F.; Bronn, William R.; and Joseph, Eugene G., 4,857,618, Cl. 526-240.000.

Bronner, James A.; and Ostroff, Ronald K., to Sanitek Products, Inc. Concentrated composition for forming an aqueous foam. 4,849,117, 7-18-89, Cl. 252-3.000.

Bronner, Wolfgang: *See—*

Saur, Niko K.; and Bronner, Wolfgang, 4,875,536, Cl. 180-6.320.

Bronnert, Herve X. Aseptic pipe joint. 4,817,994, 4-4-89, Cl. 285-93.000.

Bronnert, Herve X. Liquid solid continuous aseptic processing system. 4,850,270, 7-25-89, Cl. 99-355.000.

Bronnert, Herve X. Method for sterilizing liquid food products. 4,851,250, 7-25-89, Cl. 426-511.000.

Bronnert, Herve X. High pressure multiple tube and shell type heat exchanger. 4,884,629, 12-5-89, Cl. 165-159.000.

Bronnums Maskinfabrik A/S: *See—*

Sjostrand, Jorgen, 4,879,841, Cl. 47-59.000.

Brons, Henricus M. J.; and Geuze, Maarten M., to Shell Oil Company. Process for the working-up of ethylene/carbon monoxide alternating copolymers. 4,798,884, 1-17-89, Cl. 528-491.000.

Brons, Henricus M. J.: *See—*

van Wijngaarden, Gerhard d.; and Brons, Henricus M. J., 4,869,837, Cl. 252-39.000.

Bronshvatch, Efim, to Seagate Technology, Inc. Disc housing clamping method. 4,845,581, 7-4-89, Cl. 360-98.010.

Bronshvatch, Efim: *See—*

Ghose, Sanjoy; Bronshvatch, Efim; and Peterson, Miles L., 4,881,140, Cl. 360-106.000.

Bronskill, Michael J.; and Jiang, Bai-Chuan, to Ayetech Inc. Eye exercising devices. 4,838,677, 6-13-89, Cl. 351-203.000.

Bronson, Charles L., to Varel Manufacturing Company. Rotary drill bit locking mechanism. 4,880,068, 11-14-89, Cl. 175-369.000.

Bronson, Edward C.; Hartwell, Walter T.; Kleijn, Willem B.; and Prezas, Dimitrios P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Digital speech vocoder. 4,797,926, 1-10-89, Cl. 381-36.000.

Bronstein, Ann M.: *See—*

Bronstein, Leonard, 4,842,599, Cl. 623-5.000.

Bronstein, Leonard, to Bronstein, Ann M. Prosthetic cornea and method of implantation therefor. 4,842,599, 6-27-89, Cl. 623-5.000.

Bronstert, Bernd; Hoffmann, Gerhard; and Lynch, John, to BASF Aktiengesellschaft. Production of relief plates and printing plates by a positive-working method. 4,816,379, 3-28-89, Cl. 430-306.000.

Bronstert, Bernd: *See—*

Boettcher, Andreas; Bronstert, Bernd; and Hoffmann, Gerhard, 4,868,091, Cl. 430-281.000.

Bronstert, Klaus, to Basf Aktiengesellschaft. Terminally functionalized polymers and preparation thereof. 4,816,520, 3-28-89, Cl. 525-285.000.

Bronstert, Klaus; and Bohnet, Siegbert, to BASF Aktiengesellschaft. Preparation of polyfunctional initiators for anionic polymerization, oligomeric polyfunctional initiators, use of the resulting polymers for the preparation of unfunctionalized or functionalized polymers and as prepolymers for other resins. 4,822,530, 4-18-89, Cl. 260-665.00R.

Bronstert, Klaus; Mach, Helmut; Rath, Hans P.; and Walter, Hans-Michael, to BASF Aktiengesellschaft. Preparation of decene oligomers and use thereof as lubricating oils. 4,822,945, 4-18-89, Cl. 585-517.000.

Bronstert, Klaus; Gerberding, Karl; and Jenne, Helmut, to BASF Aktiengesellschaft. Transparent, impact-resistant styrene block polymers and their preparation. 4,835,220, 5-30-89, Cl. 525-250.000.

Bronstert, Klaus; and Mueller, Wolfgang F., to BASF Aktiengesellschaft. Salts of polyvalent cations of polymers of conjugated dienes. 4,835,221, 5-30-89, Cl. 525-332.800.

Bronstert, Klaus; Walter, Hans-Michael; and Schwaben, Hans-Dieter, to BASF Aktiengesellschaft. Preparation of homo- and copolymers having terminal mercapto groups and their use. 4,839,434, 6-13-89, Cl. 525-350.000.

Bronstert, Klaus; Bohnet, Siegbert; Himmele, Walter; and Bott, Kaspar, to BASF Aktiengesellschaft. Bifunctional alkali metal compounds, preparation and use thereof as polymerization initiators. 4,861,742, 8-29-89, Cl. 502-157.000.

Bronzavia Air Equipement: *See—*

Dieul, Jean H. L., 4,824,710, Cl. 428-113.000.

Jubert, Xavier; and Bonnin, Jean-Francois, 4,869,431, Cl. 239-533.130.

Bronzino, Pier M.: *See—*

Bronzino, Walter; and Bronzino, Pier M., 4,811,963, Cl. 279-5.000.

Bronzino, Walter; and Bronzino, Pier M., to Autoblok S.p.A. Automatic indexing chuck for angular step-by-step movement of jaws. 4,811,963, 3-14-89, Cl. 279-5.000.

Broo, Richard F.: *See—*

Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.

Broockman, Eric C.; Cato, Robert T.; Gregory, William D., Jr.; and Laurer, George J., to International Business Machines Corporation.

Halographic scanner having adjustable sampling rate. 4,800,256, 1-24-89, Cl. 235-467.000.

Broodman, Johannes J., to Jogema Holding B.V. Composite tube for heating gases. 4,817,672, 4-4-89, Cl. 138-113.000.

Brook, Arthur H.; Carian, Peter J.; Katzin, Leonard; Landsinger, Edmund E.; Moore, James D.; Rotter, Leah D.; and Schreiber, Stanley, to Innovative Medical Engineering, Inc. Continuous passive motion devices and methods. 4,875,469, 10-24-89, Cl. 128-26.000.

Brook, Michael G., to Fulmer Yarsley Ltd. Hydrophilic copolymers for wound dressings and other biomedical uses. 4,842,597, 6-27-89, Cl. 604-368.000.

Brooke, Gerard M. Surgical suction tip with filter. 4,886,492, 12-12-89, Cl. 604-49.000.

Brooker, Andrew F., Jr. Grooved endoprosthesis. 4,865,608, 9-12-89, Cl. 623-23.000.

Brooker, Charles R.: *See—*

Shaw, Jimmie; and Brooker, Charles R., 4,824,027, Cl. 241-24.000.

Brooker, Eric L.; and Bennett, Sidney M., to Andrew Corporation. Segmented coaxial transmission line. 4,831,346, 5-16-89, Cl. 333-260.000.

Brooker, Robert T.: *See—*

Dotson, Ronald L.; and Brooker, Robert T., 4,851,125, Cl. 210-638.000.

Brooker, Ronald W.; Cohen, Bernard; and Jackson, David M., to Kimberly-Clark Corporation. Active particle-containing nonwoven material, method of formation thereof, and uses thereof. 4,797,318, 1-10-89, Cl. 428-283.000.

Brookes, David L., to Development Finance Corporation. Poker pool game. 4,878,664, 11-7-89, Cl. 273-11.00R.

Brookes, Gerald F.; and Spencer, Lynne, to Fospur Limited. Recovering coal fines. 4,857,221, 8-15-89, Cl. 252-61.000.

Brookes, Gerald F.; and Spencer, Lynne, to Fospur Limited. Recovering coal fines. 4,859,318, 8-22-89, Cl. 209-166.000.

Brookes, William, to British Aerospace Public Limited Company. Door arrangements for aircraft. 4,832,286, 5-23-89, Cl. 244-118.300.

Brooklyn Union Gas Company, The: *See—*

Dessanti, Daniel J.; and Schorr, Hans P., 4,873,839, Cl. 62-238.600.

Rockower, Gerald; and Brigando, Ronald P., 4,869,281, Cl. 137-115.000.

Rockower, Gerald, 4,881,567, Cl. 137-203.000.

Brookman, Donald L.; Merrill, David E.; and Grollimund, Everett C., to Philip Morris Incorporated. Methods and apparatus for handling double-sided adhesive tabs. 4,840,694, 6-20-89, Cl. 156-344.000.

Brookman, Donald L.: *See—*

Grollimund, Everett C.; Brookman, Donald L.; and Spiers, Steven F., 4,821,972, Cl. 242-56.00R.

Brookman, Pauline J.: *See—*

Wilson, Alan D.; Prosser, Havard J.; Dunsdon, Anthony J.; Skinner, John C.; and Brookman, Pauline J., 4,836,768, Cl. 428-323.000.

Brookmire, Michael: *See—*

Lein, Juergen; Brookmire, Michael; Powers, Robert; and Hotelling, Joel, 4,814,832, Cl. 355-73.000.

Brookner, George M.; and Change, Sung S., to Pitney Bowes, Inc. Methods and apparatus for customizing and testing fully assembled postage meters. 4,837,714, 6-6-89, Cl. 364-550.000.

Brooks, Albert E. Pressure-sensing catheter system with compensation for atmospheric and configuration variations. 4,809,709, 3-7-89, Cl. 128-748.000.

Brooks, Albert J. Apparatus for repairing pipes. 4,852,913, 8-1-89, Cl. 285-15.000.

Brooks, Boyd P.; and Lee, Robert A. S., to Electric Power Research Institute, Inc. Microprocessor-based control and diagnostic system for motor operated valves. 4,816,987, 3-28-89, Cl. 364-165.000.

Brooks, Carl A.: *See—*

McMillan, Thomas A.; Brooks, Carl A.; and Smith, Alan M., 4,858,099, Cl. 363-97.000.

Brooks, Charles P.: *See—*

Wu, Jeff C.; Williams, Richard T.; Rowlette, John R.; Brooks, Charles P.; and Zimmerman, Richard H., 4,877,644, Cl. 427-53.100.

Brooks, Charles W., Jr.: *See—*

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Brooks, Christopher B.: *See—*

Morrison, Gordon E.; Brooks, Christopher B.; and Gluck, Frederick G., 4,847,755, Cl. 364-200.000.

Brooks, Christopher J.; Stein, Jeffrey A.; and Mulhauser, Paul J., to Richard-Allan Medical Industries, Inc. Hemostatic clip applicator for applying multiple hemostatic clips. 4,850,355, 7-25-89, Cl. 128-325.000.

Brooks, David A., to Spooner Est. Cleaning of a body of liquid. 4,839,063, 6-13-89, Cl. 210-780.000.

Brooks, David H.: *See—*

Talmadge, Paul C.; and Brooks, David H., 4,802,027, Cl. 360-60.000.

Talmadge, Paul C.; and Brooks, David H., 4,807,059, Cl. 360-60.000.

Brooks, Dee W.: *See—*

Summers, James B., Jr.; Gunn, Bruce P.; and Brooks, Dee W., 4,873,259, Cl. 514-443.000.

Brooks, Donald G. Header platform. 4,825,628, 5-2-89, Cl. 56-219.000.

Brooks, Donald G., to Harvestaire Pty Ltd. Air assisted harvesting means. 4,866,919, 9-19-89, Cl. 56-12.900.

Brooks, Douglas W., to Process Automation Business, Inc. Digital to analog converter. 4,837,573, 6-6-89, Cl. 341-152.000.

Brooks, Garth A.; and Greco, Nancy A., to International Business Machines Corporation. Planarization process through silylation. 4,816,117, 3-28-89, Cl. 156-628.000.

Brooks, Garth A.; and Greco, Nancy A., to International Business Machines Corporation. Planarization through silylation. 4,867,838, 9-19-89, Cl. 156-628.000.

Brooks, Gary T., to Amoco Corporation. Polyamide-imide aromatic sulfone polymer films. 4,808,473, 2-28-89, Cl. 428-336.000.

Brooks, Jackson R., to ABC Extrusion Company Inc. Canopy assembly. 4,817,655, 4-4-89, Cl. 135-101.000.

Brooks, Jackson R., to ABC Extrusion Company, Inc. Canopy assembly. 4,865,066, 9-12-89, Cl. 135-101.000.

Brooks, James E.: *See—*

Taylor, D. Thomas; and Brooks, James E., 4,805,726, Cl. 181-106.000.

Brooks, James L. Moisture sensing switch. 4,838,296, 6-13-89, Cl. 137-78.300.

Brooks, Janet L.: *See—*

Shaw, Herbert J.; Youngquist, Robert C.; and Brooks, Janet L., 4,801,189, Cl. 350-96.150.

Brooks, John F.; and Farnese, Paul L., to Electrothermal Engineering Ltd. Apparatus for monitoring temperature dependent changes. 4,808,796, 2-28-89, Cl. 219-385.000.

Brooks, John J., to Santa Barbara Research Center. Bi-flex pivot. 4,802,784, 2-7-89, Cl. 403-24.000.

Brooks, John J., to Santa Barbara Research Center. Torsion structural pivot. 4,812,072, 3-14-89, Cl. 403-24.000.

Brooks, Johnny L.: *See—*

Roberts, Donald L.; Morrison, Carl C.; Brooks, Johnny L.; Crocks, Evon L.; and Ingebrethsen, Bradley J., 4,819,665, Cl. 131-195.000.

Brooks, Kenneth J. Trolling rig for fishing boats. 4,823,723, 4-25-89, Cl. 114-343.000.

Brooks, Kenneth P. Adjustable rip fence for wood working machines. 4,848,203, 7-18-89, Cl. 83-438.000.

Brooks, Kirtland. Economical, safe, unsupervised method for in-vessel regeneration of iron-oxide sponge used in wastewater-treatment-plant digester-gas scrubbers. 4,849,191, 7-18-89, Cl. 423-231.000.

Brooks, Lamar E.; and Liu, Sue R., to Gillette Company, The. Novel correction compositions and process for using same. 4,833,117, 5-23-89, Cl. 503-201.000.

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Brooks, Lyman J. Circuit tracing apparatus and method. 4,801,866, 1-31-89, Cl. 324-66.000.

Brooks, Mark A.; Fallis, Robert; and Daly, Paul, to Allied Corporation. Injector with swirl chamber return. 4,805,837, 2-21-89, Cl. 239-125.000.

Brooks, Mark A.; Fallis, Robert; and Daly, Paul, to Allied Corporation. High pressure vortex injector. 4,869,429, 9-26-89, Cl. 239-473.000.

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Brooks, Norman D.; Kenyon, Rebecca A.; and Vanevenhoven, Peter W., to Eli Lilly and Company. Nicarbazin feed premix. 4,797,275, 1-10-89, Cl. 424-78.000.

Brooks, Ralf M., to NCR Canada Ltd. - NCR Canada LTEE. Method and apparatus for thermal printer temperature control. 4,797,637, 1-10-89, Cl. 364-519.000.

Brooks, Ralf M.; Quelch, Alan R.; and Wilkinson, Philip J., to NCR Canada Ltd - NCR Canada Ltee. Method and apparatus for thermally printing data in special fonts on documents like checks. 4,818,126, 4-4-89, Cl. 400-120.000.

Brooks, Ralf M.: *See—*

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Brooks, Robert E., to TRW Inc. Scrolling liquid crystal spatial light modulator. 4,815,035, 3-21-89, Cl. 365-108.000.

Brooks, Robert E., to TRW Inc. Agile optical beam steering system. 4,823,402, 4-18-89, Cl. 455-607.000.

Brooks, Roy S.: *See—*

Ragg, Peter W.; and Brooks, Roy S., 4,867,128, Cl. 123-531.000.

Brooks, Samuel C., to Wayne State University. Compositions inhibiting estrogen sulfotransferase activity. 4,810,700, 3-7-89, Cl. 514-178.000.

Brooks, Stanley J., to Square D Company. Polyphase circuit fuse condition indicating device. 4,857,896, 8-15-89, Cl. 340-639.000.

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Brooks, Vincent L., to General Motors Corporation. Apparatus and method of a seat with a floating lumbar. 4,832,401, 5-23-89, Cl. 297-284.000.

Brooks, W. E., Jr.: *See—*

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Brooks, William H.; Ball, Weldon C.; and Clark, John A., to Norandal USA, Inc. Reducing residual moisture on caster rolls. 4,831,745, 5-23-89, Cl. 34-41.000.

Brooks, William R., to University of Tennessee Research Corporation. Method of making a custom fitted composite foamed cushion, a preform kit and the resultant product of the process. 4,828,325, 5-9-89, Cl. 297-458.000.

Brooks, William W., Jr.; Clemen, Curtis J.; Coffey, Jerome T.; Coffield, Timothy P.; and Larson, David R., to International Business Machines Corporation. Magnetic disk drive with low profile head-suspension system. 4,853,811, 8-1-89, Cl. 360-103.000.

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Broome, Andrew D. J.; and Egerton, Ian K., to Laporte Industries Limited. Process for preparing wood preservative compositions. 4,797,281, 1-10-89, Cl. 424-133.000.

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Broomfield, Paul A., to Broomfield, U.S.A., Inc. Ozone generating device. 4,857,277, 8-15-89, Cl. 422-186.070.

Broomfield, U.S.A., Inc.: *See—*

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Brors, Daniel L., to Genus, Inc. Low resistivity tungsten silicon composite film. 4,851,295, 7-25-89, Cl. 428-450.000.

Brors, Kenneth A., to Air Powder Systems. Particle pulverizer injection nozzle. 4,875,629, 10-24-89, Cl. 241-39.000.

Brosch, Oswald, to Lonza-Werke GmbH. Device and process for drying solvent-containing plastic sheets or films. 4,800,656, 1-31-89, Cl. 34-159.000.

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Brose, Harlan F.; and Brouillet, Alfred O., to United Technologies Corporation. Method and apparatus for removing carbon dioxide from air. 4,822,383, 4-18-89, Cl. 55-33.000.

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Brosnan, Denis A.; Whetsel, James E.; Singer, Richard E.; Samas, Mark V.; Amos, Michael D.; and Kovarik, David P., to Erico International Corporation. Exothermic welding apparatus and method. 4,889,324, 12-26-89, Cl. 266-157.000.

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Brossia, Charles E.; and Wu, Samuel C. Fiber optic probe system. 4,851,817, 7-25-89, Cl. 340-583.000.

Brost, Dale F., to Texaco Inc. Method of restoring permeability around wellbores. 4,846,981, 7-11-89, Cl. 252-8.552.

Brost, Wilmut: *See—*

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Brot, Nathan; Elkon, Keith; Skelly, Susan M.; and Weissbach, Herbert, to Hoffmann-La Roche Inc.; and Cornell Research Foundation, Inc. Method of detecting ribosomal protein antibodies in systemic lupus erythematosus. 4,865,970, 9-12-89, Cl. 435-7.000.

Brotea, Paul A.; and Tufts, Robert J. Water removal device for fuel systems. 4,795,556, 1-3-89, Cl. 210-172.000.

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Yamakawa, Kiyoshi, 4,848,876, Cl. 350-331.00R.
Yamakawa, Kiyoshi, 4,862,166, Cl. 341-22.000.
Yamakawa, Kiyoshi; Sugiura, Yoshio; and Tsuruki, Sator 4,863,296, Cl. 400-63.000.
Yamamoto, Takemi; Sakakibara, Kenji; and Ueda, Masa 4,806,982, Cl. 355-27.000.
Yamamoto, Takemi; Makino, Kuniyasu; and Suzuki, Mako 4,824,220, Cl. 350-354.000.
Yamamoto, Takemi; and Horaguchi, Yoichi, 4,827,356, C 358-302.000.
Yamamoto, Takemi; and Ueda, Masashi, 4,829,340, Cl. 355-35.00
Yamamoto, Takemi; Kobayakawa, Koji; Sasaki, Ichiro; Komiy Ryohei; Sago, Akira; Takagi, Izumi; Sakai, Jun; and Matsumo Yumio, 4,851,881, Cl. 335-27.000.
Yamamoto, Takemi; Komiya, Ryohei; Hatta, Naoyuki; Matsumo Yumio; and Sunda, Fumihiro, 4,870,444, Cl. 355-1.000.
Yamamoto, Takemi; and Sakakibara, Kenji, 4,879,579, C 355-235.000.
Yamane, Hisaaki; and Hirose, Noboru, 4,873,756, Cl. 29-568.00
Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Koji; and Go Tomoe, 4,823,714, Cl. 112-262.300.
Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Kouji; and Hashi moto, Miho, 4,849,902, Cl. 364-470.000.
Yokoi, Takeshi, 4,802,780, Cl. 400-643.000.
Yokoi, Takeshi, 4,815,879, Cl. 400-636.000.
Yokoi, Takeshi, 4,822,190, Cl. 400-613.300.
Yokoi, Takeshi, 4,822,191, Cl. 400-616.100.
Yokoi, Takeshi, 4,828,157, Cl. 226-74.000.
Yokoi, Takeshi; and Morita, Toshiki, 4,838,535, Cl. 271-22.00
Yokoi, Takeshi; and Nakamura, Shigeo, 4,874,262, Cl. 400-216.10
Yoshida, Noriyuki, 4,811,673, Cl. 112-445.000.
Yoshimura, Motokazu, 4,799,188, Cl. 364-900.000.
Yoshimura, Motokazu, 4,799,191, Cl. 364-900.000.

Brothers, Dennis J.: *See—*
  Arefinejad, Majid; Brothers, Dennis J.; and Kosinski, Frederi 4,874,205, Cl. 297-379.000.
Brothers, Lance E., to Halliburton Company. Method of reducing flu loss in cement compositions. 4,806,164, 2-21-89, Cl. 106-90.00
Brothers, Virginia M.: *See—*
  Andrews, William H.; Brothers, Virginia M.; Files, James C. Kuhn, Irene; McCaman, Michael T.; Paul, Ieland S.; Sias, Sta cey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesc John L., 4,874,705, Cl. 435-252.330.
Brotherton, Robert L.: *See—*
  Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; Co per, LeRoy D.; Wiseman, Jerry W.; and Brotherton, Robert L. 4,813,331, Cl. 86-20.120.
Brotherton, Tania; and Spector, George. Electrically heated dish dr ing rack. 4,812,621, 3-14-89, Cl. 219-366.000.
Brotz, Gregory R. High-temperature carbon fiber coil. 4,822, 4-18-89, Cl. 428-367.000.
Brotz, Gregory R. Process for making foamed materials and structu therefrom. 4,824,615, 4-25-89, Cl. 264-6.000.
Brotz, Gregory R. Cellular carbon structure and method for produ same. 4,851,285, 7-25-89, Cl. 428-304.400.
Brotz, Gregory R. Animal tether device. 4,862,833, 9-5-89, C 119-120.000.

Brotz, Gregory R. Remote language translating device. 4,882,681, 11-21-89, Cl. 364-419.000.
Brotzen, Franz R.: *See—*
  Hooper, Robert C.; and Brotzen, Franz R., 4,881,465, Cl. 102-501.000.
Brotzmann, Karl; Fassbinder, Hans-Georg; and Turner, Richard E., deceased (by Turner, Trenna R., executor), to Kloeckner CRA Technologie GmbH. Method for the melt reduction of iron ores. 4,798,624, 1-17-89, Cl. 75-38.000.
Brotzmann, Karl; and Fritz, Ernst, to Klockner Cra Technologie GmbH. Process for increasing the energy input in electric arc furnaces. 4,827,486, 5-2-89, Cl. 373-2.000.
Brotzmann, Karl; Moodie, Jonathan P.; and Turner, Richard E., deceased (Turner, Trenna R., executor), to Kloeckner CRA Technologie GmbH. Method for producing iron. 4,861,368, 8-29-89, Cl. 75-25.000.
Brouard, Francois E. M. E.: *See—*
  de Baynast de Septfontaines, Regis J. M. P.; Brouard, Francois E. M. E.; Baret, Jean-Luc A. G.; Gicquiaux, Yvon G. A. J. M.; and Olsen, Hans S., 4,886,672, Cl. 426-48.000.
Broucksou, Robert H., to R.H. Sheppard Co. Automatic regulator valve assembly for vehicle power steering. 4,840,244, 6-20-89, Cl. 180-143.000.
Broudy, Arnold S.; and Shank, Cheryl A., to ABC Orthoproducts, Inc. Orthopedic device. 4,854,566, 8-8-89, Cl. 269-44.000.
Broughton, Amos W. In-line coaxial centrifugal separator with helical vane. 4,834,887, 5-30-89, Cl. 210-512.100.
Broughton, Christopher D.: *See—*
  Bickley, Robert H.; Broughton, Christopher D.; and Pickett, Michael N., 4,852,123, Cl. 375-9.000.
Broughton, George L.; Rogers, Duane E.; and Mate, David W., to Outboard Marine Corporation. Water jacketed exhaust relief system for marine propulsion devices. 4,799,905, 1-24-89, Cl. 440-89.000.
Broughton, Jeremy Q.: *See—*
  Carleton, Herbert R.; and Broughton, Jeremy Q., 4,855,903, Cl. 364-200.000.
Broughton, M. Blythe; and Adams, Michael J. Digitally-controlled cycloconverter. 4,814,967, 3-21-89, Cl. 363-160.000.
Broughton, Robert S.; and Laumeister, William C., to Interactive Systems, Incorporated. Interactive video method and apparatus. 4,807,031, 2-21-89, Cl. 358-142.000.
Brouillet, Alfred O.: *See—*
  Brose, Harlan F.; and Brouillet, Alfred O., 4,822,383, Cl. 55-33.000.
Brouse, S. Bernard; and Wiedel, John, to Stanwich Holdings, Inc. Wire feed and tensioning apparatus. 4,817,519, 4-4-89, Cl. 100-32.000.
Broussard, Alphe. Dust collector adaptor for electric drills. 4,848,980, 7-18-89, Cl. 408-67.000.
Broussard, Jerry A.; and Wade, Leslie E., to Hoechst Celanese Corporation. Synthesis gas conversion with perovskite catalysts. 4,863,971, 9-5-89, Cl. 518-713.000.
Broussard, Jerry A.; Fuqua, Wayne C.; and George, James H., to Hoechst Celanese Corporation. Production of monohydroxy monocyclic acetals and their esters. 4,876,368, 10-24-89, Cl. 549-374.000.
Broussard, Paul C., Sr. Liquid-to-liquid oil absorption system. 4,839,043, 6-13-89, Cl. 210-195.100.
Broussard, Robert, to Progressive Health & Fitness. Weight plate for exercise device. 4,880,229, 11-14-89, Cl. 272-123.000.
Broussoux, Dominique; Micheron, Francois; Staron, Alain; and Trotel, Jacques, to Thomson-CSF. Optical addressing device and its use in electro-optical imaging devices. 4,812,647, 3-14-89, Cl. 250-227.000.
Broussoux, Dominique: *See—*
  Micheron, Francois; and Broussoux, Dominique, 4,818,857, Cl. 250-213.00R.
Brouwer, Anton H. J., to Akzo nv. Composite material. 4,806,414, 2-21-89, Cl. 428-260.000.
Brouwer, Geert: *See—*
  Houtman, Elibertius; and Brouwer, Geert, 4,800,580, Cl. 378-71.000.
Brouwer, Gerald A., to Rapistan Corp. Split-cam conveyor rollers. 4,878,578, 11-7-89, Cl. 198-809.000.
Brouwer, Gerardus J.; and Zwambag, Henry, to Brouwer Turf Equipment Limited. Sod harvester with conveyor structure. 4,832,130, 5-23-89, Cl. 172-19.000.
Brouwer, Gerardus J.; and Zwambag, Henry, to Brouwer Turf Equipment Limited. Sod laying method. 4,878,542, 11-7-89, Cl. 172-1.000.
Brouwer Turf Equipment Limited: *See—*
  Brouwer, Gerardus J.; and Zwambag, Henry, 4,832,130, Cl. 172-19.000.
  Brouwer, Gerardus J.; and Zwambag, Henry, 4,878,542, Cl. 172-1.000.
Brouwer, Walter G.; Felauer, Ethel E.; and Kulka, Marshal, to Uniroyal Chemical Ltd./Uniroyal Chemical Ltee. 3-(2-Haloalkyl)-1,4-oxathiins and 2-(2-haloalkyl)-1,4-dithiins, and treatment of leukemia and tumors therewith. 4,822,813, 4-18-89, Cl. 514-433.000.
Browder, George A. G., Jr.; and Grant, David W., to Esmark Apparel, Inc. Pantyhose with panty having cotton characteristics. 4,875,241, 10-24-89, Cl. 2-409.000.
Browder, I. William: *See—*
  Williams, David L.; Browder, I. William; and DiLuzio, Nicholas R., deceased, 4,818,752, Cl. 514-54.000.
  Williams, David L.; and Browder, I. William, 4,833,131, Cl. 514-54.000.
Browell, Atkinson E.: *See—*
  Etienne, Nolf J.; and Browell, Atkinson E., 4,862,088, Cl. 324-326.000.
Brower, Charles H.: *See—*
  Wang, C. David; Shultz, Jeffrey R.; Chen, Hao A.; Minter, James L.; and Brower, Charles H., 4,863,782, Cl. 428-204.000.
Brower, David; and Jernigan, Thomas K., to TD Quilting Machinery. Automatic quilting machine for specialized quilting of patterns which can be controlled by a remote joy stick and monitored on a video screen. 4,860,675, 8-29-89, Cl. 112-119.000.
Brower, David; and Jernigan, Thomas K., to TD Quilting Machinery. Automatic quilting machine and method for specialized quilting of patterns which can be controlled by a remote joystick and monitored on a video screen including pattern duplication through a programmable computer. 4,876,976, 10-31-89, Cl. 112-262.300.
Brower, Michael J., to W. Haking Enterprises Limited. Autofocus camera system. 4,843,416, 6-27-89, Cl. 354-403.000.
Brower, Richard A. Combat vehicle crewman helmet. 4,843,642, 7-4-89, Cl. 2-6.000.
Brower, Rupard A. Padlock protector. 4,866,960, 9-19-89, Cl. 70-56.000.
Browing, Henry A. Pump and sprayer attachments for lawn mowers. 4,821,959, 4-18-89, Cl. 239-121.000.
Brown, Alan E., to Compaq Computer Corporation. Double-switched flyback power-converter. 4,870,553, 9-26-89, Cl. 363-16.000.
Brown, Alan G.: *See—*
  Passmore, Charles G.; Mowry, Robert D.; and Brown, Alan G., 4,856,862, Cl. 350-96.150.
Brown, Alan L.: *See—*
  Baigrie, Stephen M.; and Brown, Alan L., 4,816,614, Cl. 174-36.000.
Brown, Alan W. Inflatable toy simulating the mouth of an insect. 4,863,411, 9-5-89, Cl. 446-27.000.
Brown, Albert E., to Chemicraft International, Inc. Thermographic transfer elements and methods. 4,828,638, 5-9-89, Cl. 156-234.000.
Brown, Albert L.; Frantz, Joseph C.; and Peetz, Richard H., to Norden Laboratories, Inc. *Bordetella bronchiseptica* vaccine. 4,888,169, 12-19-89, Cl. 424-92.000.
Brown, Albert P.: *See—*
  Guhl, Paul J.; and Brown, Albert P., 4,828,020, Cl. 165-64.000.
Brown, Albert W. Two stage push-pull MOSFET power amplifier. 4,797,630, 1-10-89, Cl. 330-264.000.
Brown, Alfred R.; and Mackrell, Andrew D., to Graviner Limited. Detection of electromagnetic radiation. 4,889,994, 12-26-89, Cl. 250-374.000.
Brown, Alison K.: *See—*
  Sturza, Mark A.; and Brown, Alison K., 4,862,178, Cl. 342-357.000.
Brown, Allen C.; Brown, Ray R.; and Suttles, J. Marshall, to Royston Corporation. Step-front cabinet with improved overhanging cover and tray retainer. 4,852,954, 8-1-89, Cl. 312-140.400.
Brown, Amos J.: *See—*
  Hayek, George W.; Brown, Amos J.; Hamblin, John R.; and Robinson, Donald M., 4,858,592, Cl. 126-373.000.
Brown, Anthony J., to Press Ready Plate, Inc. Film registration table for flexible printing plates. 4,846,059, 7-11-89, Cl. 101-216.000.
Brown, Anthony J., to Press Ready Plate, Inc. Film and plate registration system for flexographic printing. 4,846,063, 7-11-89, Cl. 101-415.100.
Brown, Anthony K. D., to Northern Telecom Limited. Telephone memory controller arrangement. 4,860,349, 8-22-89, Cl. 379-356.000.
Brown, Arthur C. Window bird feeder. 4,881,491, 11-21-89, Cl. 119-51.010.
Brown, Arthur E.: *See—*
  Kulli, John; Mitchell, Thomas M.; and Brown, Arthur E., 4,807,170, Cl. 364-413.010.
Brown, Arthur K., Jr., to Allied Signal Inc. Integrated anti-lock braking system. 4,796,958, 1-10-89, Cl. 303-113.000.
Brown, Arthur K., Jr.: *See—*
  Gatt, Michael E.; Brown, Arthur K., Jr.; and Pickett, Michael G., 4,869,561, Cl. 303-116.000.
Brown, Arthur R.; and Miller, David C., to Amoco Corporation. Magnetic interface contaminant collector for leak detector in above ground tank. 4,813,269, 3-21-89, Cl. 73-49.200.
Brown, Arthur R.; and Miller, David C., to Amoco Corporation. Apparatus for establishing a clean interface in a leak detector. 4,813,285, 3-21-89, Cl. 73-49.200.
Brown, Arthur R.: *See—*
  Miller, David C.; and Brown, Arthur R., 4,813,277, Cl. 73-49.200.
  Miller, David C.; and Brown, Arthur R., 4,813,284, Cl. 73-49.200.
Brown, Barry M.; Edwards, Evan A.; Fearnside, William T.; and West, Henry L., to Eastman Kodak Company. Electronic controller for a water purifying unit. 4,851,818, 7-25-89, Cl. 340-603.000.
Brown, Bernard T.; and Moore, Dwain F., to Emerson Electric Co. Programmable electronic thermostat with means for enabling economical recovery. 4,828,016, 5-9-89, Cl. 165-12.000.
Brown, Billy R.; and Anderson, A. Edwin, to Nashville Wire Products Mfg. Co., Inc. Mobile storage apparatus. 4,807,765, 2-28-89, Cl. 211-162.000.
Brown Boveri (Australia) Pty. Limited: *See—*
  Morgan, David E., 4,857,879, Cl. 337-173.000.
Brown, Boveri & Cie AG: *See—*
  Dietrich, Manfred; Dustmann, Cord-Heinrich; Schmaderer, Franz; and Wahl, Georg F. H., 4,828,664, Cl. 204-192.240.
  Hochreuther, Karl; and Reichler, Edmund, 4,860,901, Cl. 206-586.000.
  Kahlen, Hans; Jahnke, Bernd; Schmidt, Conrad; and Ziegenbein, Botho, 4,849,806, Cl. 357-51.000.
  Roppelt, Guenter; Schick, Fuerth; and Ziegler, Herbert, 4,864,224, Cl. 324-119.000.
  Roppelt, Gunter; and Schick, Herbert, 4,795,972, Cl. 324-115.000.

- Schemenau, Wolfgang; Bennert, Jurgen; and Ceelen, Dietrich, 4,845,942, Cl. 60-39.120.
- Schmaderer, Franz; Wahl, Georg F.; Dustmann, Cord-Heinrich; Fitzer, Erich; Brennfleck, Karl; and Dietrich, Manfred, 4,849,288, Cl. 428-366.000.
- Schulten, Rudolf, 4,830,817, Cl. 376-320.000.
- Timmann, Hinrich, 4,822,573, Cl. 422-143.000.
- Wicker, Helmut; Hegewaldt, Fritz; and Mauve, Hans-Werner, 4,810,843, Cl. 219-10.430.
- Ziegler, Herbert; Clever, Carl W.; and Roppelt, Gunter, 4,858,153, Cl. 364-550.000.

Brown Boveri Reaktor GmbH: *See—*
- Daum, Dieter, 4,822,176, Cl. 374-57.000.
- Day, Bobby L., 4,826,651, Cl. 376-264.000.
- Scharpenberg, Rainer, 4,816,207, Cl. 376-252.000.
- Scharpenberg, Rainer; and Heckhausen, Hermann-Josef, 4,847,036, Cl. 376-245.000.
- Scharpenberg, Rainer; and Heckhausen, Hermann-Josef, 4,847,037, Cl. 376-245.000.
- Schulz, Wolfgang, 4,853,550, Cl. 250-493.100.

Brown, Brandon H., to Eastman Kodak Company. Cleaning apparatus with magnetic toner mover. 4,870,449, 9-26-89, Cl. 355-297.000.

Brown, Bruce A.: *See—*
- Compton, Ronald E.; Brown, Bruce A.; Akhurst, Donald S.; Myers, Douglas R.; Smith, Robert W.; and DeBruyne, Robert W., 4,867,020, Cl. 82-1.110.

Brown, Byron L. Drill bit guide. 4,834,080, 5-30-89, Cl. 128-92.0VP.

Brown, Cal R.: *See—*
- Yusko, Edward M., Jr.; Brown, Cal R.; Kalain, Terry M.; and Williams, Peter C., 4,800,920, Cl. 137-556.000.
- Yusko, Edward M., Jr.; Brown, Cal R.; Kalain, Terry M.; and Williams, Peter C., 4,877,053, Cl. 137-556.000.

Brown, Candice H., to Advanced Micro Devices, Inc. Test fixture capable of electrically testing an integrated circuit die having a planar array of contacts. 4,820,976, 4-11-89, Cl. 324-158.00F.

Brown, Candice H.: *See—*
- Hayward, James; and Brown, Candice H., 4,801,999, Cl. 357-70.000.

Brown, Carey S.: *See—*
- Cormack, Robert H.; and Brown, Carey S., 4,863,275, Cl. 356-376.000.
- Cormack, Robert H.; and Brown, Carey S., 4,872,757, Cl. 356-376.000.

Brown, Carl W., Jr.: *See—*
- Hruska, Louis W.; and Brown, Carl W., Jr., 4,853,101, Cl. 204-296.000.

Brown, Carlton E.; and de Pagter, Pierre C., to Air Concepts, Inc. Laboratory work station with controllable environment. 4,872,400, 10-10-89, Cl. 98-115.300.

Brown, Carolyn J.: *See—*
- McAlister, Steve R., 4,851,809, Cl. 340-442.000.

Brown, Charles A.; Holzer, Rolf; and Patterson, John F., to Advanced Nuclear Fuels Corporation. Debris-resistant fuel assembly. 4,849,161, 7-18-89, Cl. 376-439.000.

Brown, Charles A.: *See—*
- Kalata, Steven; Reid, Donald M.; Brown, Charles A.; and Thayer, Billy E., 4,864,216, Cl. 323-315.000.

Brown, Charles M.; and Doughty, Robert B., Jr., to Niagara Lockport Industries Inc. Loom with selectively positionable shuttle mechanism. 4,870,997, 10-3-89, Cl. 139-172.000.

Brown, Christine H.: *See—*
- Braun, Ralph V.; Brown, Christine H.; Fitting, Steven W.; Garrett, Lance J., Jr.; Law, David C.; and Weber, Robert E., 4,818,600, Cl. 428-290.000.

Brown, Christopher K.; Moyer, Carl L.; Shipe, Joanne E.; and Walter, Herman D., to AMP Incorporated. Cable harness manufacturing and electrical testing system. 4,870,752, 10-3-89, Cl. 29-866.000.

Brown, Christopher R. Proving safe operation. 4,800,507, 1-24-89, Cl. 364-484.000.

Brown, Christopher W.: *See—*
- Graves, Thomas J.; Yang, Robert A.; and Brown, Christopher W., 4,836,081, Cl. 89-1.140.

Brown, Claudia D., executrix: *See—*
- Brown, Ivan R., deceased; Walburn, Harold E.; and Patel, Jayesh B., 4,829,861, Cl. 82-142.000.

Brown, Clifford C.; and Hanks, William M., to Cam-Lok, Inc. Safety system for an electrical output panel assembly. 4,845,593, 7-4-89, Cl. 361-192.000.

Brown, Clifford D.: *See—*
- Maslaney, Michael J.; Andreasen, Dinal S.; and Brown, Clifford D., 4,838,032, Cl. 62-3.100.

Brown, Clyde O.: *See—*
- Davis, Jack W.; and Brown, Clyde O., 4,888,786, Cl. 372-58.000.

Brown, Colin W.: *See—*
- Begg, Alan R.; Brown, Colin W.; and Charman, Neil E. S., 4,859,542, Cl. 428-547.000.

Brown, Craig J., to Eco-Tec Limited. Apparatus for electroplating metals. 4,832,812, 5-23-89, Cl. 204-237.000.

Brown, Curtis L.: *See—*
- Barber, John H.; Brown, Curtis L.; Duncan, Vernon R.; Knox, Carl E.; and Owen, Roderick D., 4,821,193, Cl. 364-431.020.

Brown, D. E.; and Reynolds, Kenneth, to Minnesota Mining and Manufacturing Company. Triarylmethane compounds, their preparation and use as photoconductive systems. 4,820,846, 4-11-89, Cl. 548-420.000.

Brown, Dale G.; Siddens, Jack K.; Diehl, Robert E.; and Wright, Donald P., Jr., to American Cyanamid Company. α-(2,3-Di(C_1–C_4 alkoxy)ethylamino)-β-cyanostyrene and β-nitrostyrene compounds useful as intermediates in the preparation of insecticidal, acaricidal and nematicidal arylpyrroles and method for the preparation thereof. 4,857,651, 8-15-89, Cl. 549-443.000.

Brown, Dale M.; Gorowitz, Bernard; and Saia, Richard J., to General Electric Company. Method of filling interlevel dielectric via or contact holes in multilevel VLSI metallization structures. 4,824,802, 4-25-89, Cl. 437-192.000.

Brown, Dale M.: *See—*
- Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,845,050, Cl. 437-192.000.
- Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,871,617, Cl. 428-450.000.

Brown, Daniel: *See—*
- Laible, Rodney; and Brown, Daniel, 4,809,850, Cl. 206-366.000.

Brown, Daniel P.; Danielsen, Carl M.; and Dabbish, Ezzat A., to Motorola, Inc. Random number generator with digital feedback. 4,853,884, 8-1-89, Cl. 364-602.000.

Brown, David. Intrapulmonary pressure monitoring system. 4,813,431, 3-21-89, Cl. 128-748.000.

Brown, David: *See—*
- Salter, James A.; Schmidt, Thomas R.; DeWitz, Thomas S.; Arbore, Charles M.; Duysings, Frederik M. H. J.; Van Der Meer, Johannes W.; Brown, David; and Venselaar, Henricus C. J., 4,838,738, Cl. 406-14.000.

Brown, David A. Electromyographic repetitive strain injury monitor. 4,807,642, 2-28-89, Cl. 128-733.000.

Brown, David A.; Daniels, Donald V.; and Harrison, Joel N., to Quantum Corporation. Data transducer position control system for rotating disk data storage equipment. 4,814,909, 3-21-89, Cl. 360-78.070.

Brown, David A.; Daniels, Donald V.; and Harrison, Joel N., to Quantum Corporation. Data transducer position control system for rotating disk data storage equipment. 4,872,074, 10-3-89, Cl. 360-77.070.

Brown, David B.; and Wallace, Richard E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for identifying location of a lost token signal in a data communication network. 4,860,284, 8-22-89, Cl. 370-88.000.

Brown, David C. Slab-diffuser fiber incident energy concentrator. 4,799,748, 1-24-89, Cl. 350-96.100.

Brown, David C. Tag for identifying survey traverse points. 4,864,749, 9-12-89, Cl. 40-299.000.

Brown, David C. Linear lens and method for concentrating radiant energy and multiplying phosphor luminance output intensity. 4,884,860, 12-5-89, Cl. 350-96.150.

Brown, David C.: *See—*
- Curbelo, Raul; and Brown, David C., 4,828,367, Cl. 356-345.000.

Brown, David E.; and Leichter, Louis M., to Minnesota Mining and Manufacturing Company. Triiolide salts of cyanine dyes suitable for sensitization of photoconductive systems. 4,853,310, 8-1-89, Cl. 430-83.000.

Brown, David F.; and Anstey, Michael J., to Dowty Electronic Components Limited. Circuit assembly. 4,823,233, 4-18-89, Cl. 361-383.000.

Brown, David G.: *See—*
- Insana, Michael F.; Smith, Stephen W.; Brown, David G.; and Wagner, Robert F., 4,817,015, Cl. 364-507.000.

Brown, David J.: *See—*
- Kaminski, Earl W.; and Brown, David J., 4,795,197, Cl. 285-12.000.

Brown, David L.; Crandall, James A.; and Gilliard, Brian A., to General Motors Corporation. Vehicle door separable for access to door hardware. 4,866,883, 9-19-89, Cl. 49-502.000.

Brown, David S., to General Instrument Corporation. Dynamic feedback arrangement scrambling technique keystream generator. 4,860,353, 8-22-89, Cl. 380-44.000.

Brown, David W. R. Accelerator for paired masses. 4,815,438, 3-28-89, Cl. 124-6.000.

Brown, Debra K.: *See—*
- Conti-Ramsden, John N.; Powell, Richard L.; Young, Brian D.; Farrar, Jeffrey; and Brown, Debra K., 4,877,839, Cl. 525-200.000.

Brown, Dennis M.; Hsiung, Thomas H.; Rao, Pradip; and Roberts, George W., to Air Products and Chemicals, Inc. In-situ activation of $CuO/ZnO/Al_2O_3$ catalysts in the liquid phase. 4,801,574, 1-31-89, Cl. 502-342.000.

Brown, Dennis N. Variably adjustable shoe insert. 4,800,657, 1-31-89, Cl. 36-44.000.

Brown, Dennis N. Orthotic and method of making of the same. 4,803,747, 2-14-89, Cl. 12-142.00N.

Brown, Dennis N., to Superfeet In-Shoe Systems, Inc. Foot and ankle orthotic for a skate boot or the like, and method. 4,869,001, 9-26-89, Cl. 36-115.000.

Brown, Don, to Burlington Industries, Inc. Bobbin blow out plug. 4,872,620, 10-10-89, Cl. 242-118.300.

Brown, Donald D.: *See—*
- Buckley, James A. V.; Brown, Donald D.; and Metzelfeld, Glenn S., 4,878,567, Cl. 192-18.00R.
- Metzelfeld, Glenn S.; Buckely, James A. V.; and Brown, Donald D., 4,878,346, Cl. 60-588.000.

Brown, Donald M. Highway marker. 4,818,138, 4-4-89, Cl. 404-14.000.

Brown, Donald W.: *See—*
- Taylor, Owen S.; Repp, Jeffrey R.; and Brown, Donald W., 4,831,297, Cl. 310-87.000.

Brown, Douglas J.; Newnes, William R.; and Sergeant, John, to Newnes Machine and Ironworks Ltd. Lug loader. 4,869,360, 9-26-89, Cl. 198-460.000.

Brown, Douglas P.; and Peck, Donald R., to Deere & Company. Spider wheel for a rotary incorporator. 4,817,732, 4-4-89, Cl. 172-548.000.

Brown, Douglas P.: *See—*
- Patterson, Jon M.; and Brown, Douglas P., 4,850,160, Cl. 239-167.000.

Brown, Douglas W., to Coal Industry (Patents) Limited. Filter press cloth hanger. 4,874,512, 10-17-89, Cl. 210-225.000.

Brown, Duncan W.: *See—*
- Tom, Glenn M.; and Brown, Duncan W., 4,797,227, Cl. 252-194.000.
- Tom, Glenn M.; and Brown, Duncan W., 4,853,148, Cl. 252-194.000.
- Tom, Glenn M.; and Brown, Duncan W., 4,865,822, Cl. 423-210.000.

Brown, Dwight E.; Laughery, Mark S.; and Lang, Thomas A., to Minnesota Mining and Manufacturing Company. Image processor with free flow pipeline bus. 4,845,663, 7-4-89, Cl. 364-900.000.

Brown, Edgar E.: *See—*
- Smith, Michael P.; Brown, Edgar E.; and Blackburn, Martin J., 4,842,652, Cl. 148-12.70B.
- Snyder, Sherman M.; and Brown, Edgar E., 4,888,253, Cl. 428-680.000.

Brown, Edgar W. Golf practice device. 4,826,173, 5-2-89, Cl. 273-186.00E.

Brown, Elliott R.: *See—*
- Sollner, T. C. L. Gerhard; and Brown, Elliott R., 4,831,340, Cl. 331-76.000.

Brown, Foster L., Jr. Hand held hair dryer. 4,827,105, 5-2-89, Cl. 219-373.000.

Brown, Frank. Collapsible disposable litter container. 4,846,103, 7-11-89, Cl. 119-1.000.

Brown, Frank C.: *See—*
- Brahm, Leroy D.; Brown, Frank C.; Ciarlone, David F.; Dedrich, Mark R.; Hassall, James B.; and Salva, Fedor M., 4,865,801, Cl. 376-260.000.

Brown, Franklin I., to Ford Motor Company. Method for forming a fluorine-doped tin oxide coating on a glass substrate. 4,857,095, 8-15-89, Cl. 65-60.300.

Brown, Fred R. Combined storage box, tray and rack. 4,815,593, 3-28-89, Cl. 206-315.110.

Brown, Frederick J.: *See—*
- Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., 4,837,235, Cl. 514-234.500.
- Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., 4,859,692, Cl. 514-381.000.

Brown, Gedney B.: *See—*
- Tupper, Robert B.; Mangus, James D.; Sharbaugh, John E.; Brown, Gedney B.; Livingston, Julie M.; and Dhalla, Asfandiar K., 4,859,402, Cl. 376-285.000.

Brown, George R.; and Smithers, Michael J., to Imperial Chemical Industries PLC. Dioxane hexenoic acids. 4,822,815, 4-18-89, Cl. 514-444.000.

Brown, George R.; and Smithers, Michael J., to Imperial Chemical Industries PLC. 1,3-Dioxolane-5-yl-hexenoic acid derivatives. 4,824,858, 4-25-89, Cl. 514-336.000.

Brown, George R.; and Smithers, Michael J., to Imperial Chemical Industries PLC. Tetrazole derivatives of 1,3-dioxane and thromboxane A_2 antigonizing use thereof. 4,831,046, 5-16-89, Cl. 514-381.000.

Brown, George R.; and Smithers, Michael J., to Imperial Chemical Industries PLC. N-[4-o-hydroxyphenyl-1,3-dioxan-5-ylhexenoyl]sulphonamides. 4,845,120, 7-4-89, Cl. 514-452.000.

Brown, George R.: *See—*
- Brewster, Andrew G.; Brown, George R.; and Smithers, Michael J., 4,803,220, Cl. 514-452.000.

Brown, Gerald E.: *See—*
- Bobier, Joseph A.; and Brown, Gerald E., 4,847,546, Cl. 320-21.000.

Brown, Giselle M.; and MacFarlane, Anthony S., to British Petroleum Company p.l.c., The. Method for coalescence. 4,888,117, 12-19-89, Cl. 210-649.000.

Brown, Glenn W.: *See—*
- Lund, Richard B.; and Brown, Glenn W., 4,820,452, Cl. 260-510.000.

Brown, Gordon L., Jr., to Morrison Molded Fiber Glass Company. Apparatus for use in the exercise of the human body. 4,863,159, 9-5-89, Cl. 272-93.000.

Brown Group, Inc.: *See—*
- Wolfersberger, Charles; and Hanson, Joseph R., Jr., 4,815,956, Cl. 425-126.100.

Brown, Hamilton P., Jr., to Zorbit Corporation. Method and apparatus for degreasing fried foods. 4,851,273, 7-25-89, Cl. 428-76.000.

Brown, Harry J.: *See—*
- Doerr, Richard E.; Roberts, Margaret A.; and Brown, Harry J., 4,798,279, Cl. 198-594.000.

Brown, Harry W.: *See—*
- DiChiara, Joseph G.; Brown, Harry W.; and Valentine, Joseph M., 4,858,117, Cl. 364-200.000.

Brown, Henry R. Nail puller. 4,815,707, 3-28-89, Cl. 254-22.000.

Brown, Herbert C., to Aldrich-Boranes, Inc. Optically active borinic esters and ketones. 4,795,821, 1-3-89, Cl. 558-298.000.

Brown, Herbert C., to Aldrich-Boranes, Inc. Process for lithium mono- and diorganylborohydrides. 4,855,506, 8-8-89, Cl. 568-6.000.

Brown, Herbert C., to Aldrich-Boranes, Inc. Process for producing optically active alcohols. 4,866,181, 9-12-89, Cl. 546-348.000.

Brown, Herbert C., to Aldrich-Boranes, Inc. Optically active borinic esters and ketones. 4,868,337, 9-19-89, Cl. 568-311.000.

Brown, Herbert C., to Aldrich-Boranes, Inc. Novel process of producing phenyl or substituted phenylalkylamine pharmaceutical agents and novel chiral intermediates of high enantiomeric purity useful therein. 4,868,344, 9-19-89, Cl. 568-812.000.

Brown, Herbert C., to Aldrich-Boranes, Inc. Improved process for producing pure boronic and borinic esters. 4,870,177, 9-26-89, Cl. 546-13.000.

Brown, Herbert C., to Aldrich-Boranes, Inc. Process for synthesizing lithium mono- and diorganylborohydrides. 4,870,212, 9-26-89, Cl. 568-6.000.

Brown, Herbert C.: *See—*
- Goralski, Christian T.; Singaram, Bakthan; and Brown, Herbert C., 4,886,924, Cl. 585-318.000.

Brown, Herman O., Jr. Stand for safety sign or the like. 4,888,894, 12-26-89, Cl. 40-606.000.

Brown, Hugh O.: *See—*
- Cheng, David W.; and Brown, Hugh O., 4,850,951, Cl. 494-16.000.

Brown, Ian A.; Cremore, George J. J.; and Gibson, Peter J., to Zimmer Limited. Skeletal implants. 4,863,474, 9-5-89, Cl. 623-16.000.

Brown Industrial Gas, Inc.: *See—*
- Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., 4,804,933, Cl. 335-186.000.

Brown, Ivan R., deceased (by Brown, Claudia D., executrix); Walburn, Harold E.; and Patel, Jayesh B., to Hardinge Brothers, Inc. Headstock assembly for a chucker and bar machine. 4,829,861, 5-16-89, Cl. 82-142.000.

Brown, Ivonne: *See—*
- Macchio, Ralph A.; Brown, Ivonne; and Tietjen, Marlene, 4,837,011, Cl. 424-69.000.

Brown, Jack D. Hospital error avoidance system. 4,857,713, 8-15-89, Cl. 235-375.000.

Brown, Jackson E.: *See—*
- Bellis, Kenneth E.; Brown, Jackson E.; and Nagarwalla, Pheroze J., 4,830,082, Cl. 164-16.000.
- Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; and Rea, James, 4,836,269, Cl. 164-200.000.
- Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; Niedermeyer, William; and Pawlak, Paul, 4,883,558, Cl. 156-292.000.
- Nagarwalla, Pheroze J.; Brown, Jackson E.; and Bellis, Kenneth E., 4,832,108, Cl. 164-180.000.

Brown, James B.; and Kaufman, Jack W. Disposable applicator package. 4,812,067, 3-14-89, Cl. 401-132.000.

Brown, James B. Apparatus and method for pre-wire routing for buildings. 4,878,653, 11-7-89, Cl. 254-134.3FT.

Brown, James E.; and Cowgill, Cynthia A., to Miles Laboratories, Inc. Phospholipid affinity purification of Factor VIII:C. 4,795,806, 1-3-89, Cl. 530-383.000.

Brown, James H.; and Ricca, Richard N. Towable modified deep vee surfboard. 4,857,025, 8-15-89, Cl. 441-65.000.

Brown, James M. Pickup truck tailgate protector with third tail light. 4,839,629, 6-13-89, Cl. 340-468.000.

Brown, James M., Jr.: *See—*
- Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.

Brown, James P.; Duber, Ernst O.; and Loenders, Mark, to Imperial Chemical Industries PLC. Urea-modified isocyanates. 4,885,348, 12-5-89, Cl. 525-458.000.

Brown, James P.: *See—*
- Bagaglio, Gian C.; Bentley, James M.; and Brown, James P., 4,801,736, Cl. 560-84.000.
- Bentley, James M.; Brown, James P.; Frijns, Guy; and Sparrow, David J., 4,849,460, Cl. 521-163.000.

Brown, James R.; Coatsworth, Leighton L.; and Schmidt, Irold S. Microreactor for analyzing thin solid samples. 4,837,374, 6-6-89, Cl. 422-130.000.

Brown, James R.; McIntyre, Norman S.; and Johnston, Darlene D., to Energy, Mines and Resources-Canada. Cobalt-molybdenum thin film catalyst. 4,883,782, 11-28-89, Cl. 502-220.000.

Brown, James T., to Bethlehem Steel Corporation. Container support pedestals. 4,826,371, 5-2-89, Cl. 410-54.000.

Brown, James T., to Bethlehem Steel Corporation. Container door barricade. 4,854,791, 8-8-89, Cl. 410-52.000.

Brown, James T., to Bethlehem Steel Corporation. Lateral restraining device for cargo containers having more than one width. 4,867,622, 9-19-89, Cl. 410-54.000.

Brown, James V.: *See—*
- Schnelle, Joseph W.; Webb, Gregory; Tarvin, Ronald L.; and Brown, James V., 4,835,710, Cl. 364-513.000.

Brown, James W., Sr.; and Sondermeyer, Jack C., to Peavey Electronics Corporation. Superdistorted amplifier circuitry with normal gain. 4,811,401, 3-7-89, Cl. 381-61.000.

Brown, James W., Sr.; and Sondermeyer, Jack C., to Peavey Electronics Corporation. Specialized amplifier systems for musical instruments. 4,890,331, 12-26-89, Cl. 381-120.000.

Brown, Jeffrey O.: *See—*
- Nelson, Hilding E.; Brown, Jeffrey O.; and Zurn, Shayne M., 4,797,838, Cl. 364-551.010.

Brown, Jerry L.; and Lukenbill, Harry N., to Carrier Vibrating Equipment, Inc. Apparatus for plasticizing nuts and the like. 4,829,892, 5-16-89, Cl. 99-475.000.

Brown, John; and Wurst, John V., to SSMC Inc. Compound stitch pattern for a sewing machine. 4,815,406, 3-28-89, Cl. 112-447.000.

Brown, John A.: *See*—
  Vahrenwald, Michael C.; and Brown, John A., 4,873,746, Cl. 15-250.00B.

Brown, John C. A. T.; Purcell, Patrick; and Sweeny, Peter J., to Minroc Technical Promotions Ltd. Reverse circulation down-the-hole hammer drill and bit therefor. 4,819,746, 4-11-89, Cl. 175-296.000.

Brown, John F., III, to Digital Equipment Corporation. Method for implementing synchronous pipeline exception recovery. 4,875,160, 10-17-89, Cl. 364-200.000.

Brown, John G.: *See*—
  Page, Steven J.; Wills, Derek P. M.; Lowe, Barry M.; Brown, John G.; Curtis, Neil J.; Hall, Adrian J.; and Holmes, Kim P., 4,849,893, Cl. 364-434.000.

Brown, John R.; Graham, Nigel K.; and King, Russell A., to Foseco International Limited. Metal casting patterns. 4,842,037, 6-27-89, Cl. 164-45.000.

Brown, John T., to Stadium Bags, Inc. Stadium seat cover. 4,799,731, 1-24-89, Cl. 297-192.000.

Brown, Johnny M. Information kiosk. 4,817,043, 3-28-89, Cl. 364-518.000.

Brown, Joseph P.: *See*—
  Hellstrom, Ingegerd; Brown, Joseph P.; Hellstrom, Karl E.; Horn, Diane; and Linsley, Peter, [illegible], Cl. 435-7.000.
  Linsley, Peter S.; Ochs, Vincent W.; Horn, Diane; Brown, Joseph P.; Ring, David B.; and Frankel, Arthur E., [illegible], Cl. 435-7.000.

Brown, Joseph R. [illegible]

Brown, [illegible]: *See*—
  [illegible]

Brown, Keith C.: *See*—
  [illegible]; Brown, Keith C.; and Murphy, [illegible]

Brown, Keith E., to Kinetico, Inc. Water treatment apparatus. [illegible], Cl. 210-[illegible].

Brown, Kelvin T.: *See*—
  Chaconas, Adam W.; and Brown, Kelvin T., 4,887,930, Cl. 401-379.000.

Brown, Kennedy J.: *See*—
  Sproul, Richard M.; Giusti, Frank, Jr.; Grant, Richard L.; and Brown, Kennedy J., 4,833,481, Cl. 166-51.000.

Brown, Kenneth, to Hamilton Standard Controls, Inc. Method of making a resistive element. 4,845,839, 7-11-89, Cl. 29-620.000.

Brown, Kenneth: *See*—
  Riley, Richard E.; and Brown, Kenneth, 4,827,769, Cl. 73-313.000.

Brown, Kenneth A. Inflatable crib. 4,819,284, 4-11-89, Cl. 5-98.00R.

Brown, Kenneth D.; and Arkell, Philip S., to House of Mayfair Ltd., The. Process for producing self-adhesive sheet materials. 4,828,881, 5-9-89, Cl. 427-208.000.

Brown, Kenneth E.: *See*—
  Brown, Robert J., III; and Brown, Kenneth E., 4,847,781, Cl. 364-492.000.

Brown, Kenneth G.: *See*—
  Hess, Robert V.; Upchurch, Billy T.; Brown, Kenneth G.; Miller, Irvin M.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Hoyt, Ronald F., 4,839,330, Cl. 502-53.000.
  Upchurch, Billy T.; Miller, Irvin M.; Brown, Kenneth G.; Hess, Robert V.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Paulin, Patricia A., 4,829,035, Cl. 502-34.000.

Brown, Kenneth M.: *See*—
  Doe, Ralph W.; Hansen, Stephen P.; and Brown, Kenneth M., 4,843,695, Cl. 29-827.000.
  Wakugawa, Jason M.; Gresko, Lawrence S.; and Brown, Kenneth M., 4,856,887, Cl. 350-641.000.

Brown, Kenneth R.: *See*—
  Stiver, C. Edward; Teti, George J.; Pearson, Charles S.; and Brown, Kenneth R., 4,862,725, Cl. 72-402.000.

Brown, Kennith W. Tamper alarm for semi trailer. 4,816,803, 3-28-89, Cl. 340-426.000.

Brown, Kenton J., to International Paper Company. Pulp refiner with fluidizing inlet. 4,820,381, 4-11-89, Cl. 162-261.000.

Brown, Kevin D.: *See*—
  Millward, John D.; and Brown, Kevin D., 4,811,016, Cl. 341-126.000.

Brown, Kevin J., to U.S. Philips Corporation. Multileaf collimator and related apparatus. 4,882,741, 11-21-89, Cl. 378-152.000.

Brown, Leland C., Jr.; Jones, Neil A.; and Pindell, Ferris, to U.S. Products Co. Firearm cleaning device. 4,803,792, 2-14-89, Cl. 42-95.000.

Brown, Len T. Golf aid. 4,883,276, 11-28-89, Cl. 273-183.00B.

Brown, Leonard C., to Cornelis Dirk Ferguson. Storage and dispensing means. 4,821,917, 4-18-89, Cl. 221-69.000.

Brown, Leslie: *See*—
  Thorpe, Michael; Hoskin, William J.; and Brown, Leslie, 4,824,792, Cl. 436-177.000.

Brown, Leslie Ford: *See*—
  Arkell, Nigel J.; Sartor, Brian G.; and Prevost, David L., 4,838,451, Cl. 220-401.000.

Brown, Louis R., to TRW Inc. Apparatus for sensing relative rotation between members. 4,800,764, 1-31-89, Cl. 73-862.330.

Brown, Louis R.; and Higbee, Wallace C., to TRW Vehicle Safety Systems Inc. Safety apparatus. 4,854,522, 8-8-89, Cl. 242-107.700.

Brown, Louis R., to TRW Inc. Lock mechanism for rear wheel steer apparatus. 4,856,606, 8-15-89, Cl. 180-140.000.

Brown, Lynn H.: *See*—
  McDonald, Duane L.; and Brown, Lynn H., 4,870,233, Cl. 219-10.55E.
  Plesinger, Boris; and Brown, Lynn H., 4,809,643, Cl. 118-715.000.

Brown, Malcolm C.: *See*—
  Annis, David; Brown, Malcolm C.; and Sutherst, John R., 4,857,041, Cl. 600-30.000.

Brown, Mary: *See*—
  Spinner, Raphael F.; Marley, Clement F.; Brown, Mary; and Gaus, Cathy, 4,872,240, Cl. 16-114.00B.

Brown, Maurice H. Terminal forming apparatus. 4,836,006, 6-6-89, Cl. 721-338.000.

Brown, Maurice H. Terminal inserting apparatus. 4,881,317, 11-21-89, Cl. 29-739.000.

Brown, Max R., to International Business Machines Corp. Computer input by color coding. 4,853,878, 8-1-89, Cl. 364-521.000.

Brown, Melvin H., to Aluminum Company of America. [illegible] combined high strength and high corrosion resistance in Al-Zn-Mg-CU alloys. 4,832,758, 5-23-89, Cl. 148-12.70A.

Brown, Melvin H.; Staley, James T.; Liu, John; and [illegible], to Aluminum Company of America. Aluminum alloy product having improved combinations of strength and corrosion resistance properties and method for producing the same. [illegible], Cl. [illegible]

Brown, Melvin H.: *See*—
  [illegible], C. Norman; and Brown, Melvin H., [illegible]

Brown, Michael: *See*—
  [illegible]

Brown, Michael C.: *See*—
  [illegible]; Brown, Michael C.; and [illegible]

Brown, Michael D.: *See*—
  [illegible]; Brown, Michael D.; [illegible]

Brown, Michael D.; and Liu, Kou-Chang, to GAF Corporation. Process for the preparation of substituted diphenyl ethers. [illegible], Cl. [illegible]

Brown, Morrie. Viewer. 4,883,334, 11-28-89, Cl. 40-365.000.

Brown, Mortimer; and Hellwig, John, to Teknion Furniture Systems Inc. Panel locking system. [illegible], 11-28-89, Cl. [illegible]

Brown, N. Keith. Security guard device for doors. 4,822,086, [illegible] Cl. 292-338.000.

Brown, Neil D.: *See*—
  Toben, Michael P.; Brown, Neil D.; Esterl, David J.; and Schm[illegible], Robert A., 4,880,507, Cl. 204-44.400.

Brown, Neil L., to EG&G International, Inc. Capacitive pressure transducer. 4,866,988, 9-19-89, Cl. 73-702.000.

Brown, Neil L.: *See*—
  Baron, George; Vreeland, William H.; and Brown, Neil L., 4,854,728, Cl. 374-136.000.

Brown, Neuberne H., Jr.: *See*—
  Parsons, Frederick L., 4,820,248, Cl. 474-268.000.

Brown, Nigel L.; and Walsby, Anthony E., to Boehringer Mannheim GmbH. Type II restriction endonuclease Dsa I with process for obtaining it and the use thereof. 4,871,664, 10-3-89, Cl. 435-91.000.

Brown, Patrick A.; and Murphy, William C., to Patco Sales & Service Inc. Self contained conveyor lubricating apparatus. 4,844,203, 7-4-89, Cl. 184-15.300.

Brown, Paul, to Husky Injection Molding Systems, Ltd. Large nozzle for hot runner mold. 4,832,593, 5-23-89, Cl. 425-564.000.

Brown, Paul B., to West Virginia University. Apparatus and method for long term storage of analog signals. 4,809,223, 2-28-89, Cl. 365-45.000.

Brown, Paul D., to Reebok International Ltd. Athletic shoe with mesh reinforcement. 4,813,158, 3-21-89, Cl. 36-114.000.

Brown, Paul F.: *See*—
  Clark, Burns W.; and Brown, Paul F., 4,865,526, Cl. 417-360.000.

Brown, Paul L.; and Stickles, David L., to Dow Corning Corporation. Pressure sensitive adhesive release liner. 4,842,902, 6-27-89, Cl. 427-387.000.

Brown, Paul L.; and Stickles, David L., to Dow Corning Corporation. Pressure sensitive adhesive release liner and fluorosilicone compounds, compositions and method therefor. 4,889,753, 12-26-89, Cl. 428-40.000.

Brown, Paul M., to Nucell, Inc. Apparatus for direct conversion of radioactive decay energy to electrical energy. 4,835,433, 5-30-89, Cl. 310-305.000.

Brown, Paul M. Carburetor fuel preconditioner. 4,858,582, 8-22-89, Cl. 123-523.000.

Brown, Paul P., to Husky Injection Molding Systems, Ltd. Method and apparatus for automatically packaging articles in orderly fashion received from a multi-cavity high volume injection molding machine. 4,814,134, 3-21-89, Cl. 264-297.800.

Brown, Paul P.: *See*—
  Schad, Robert D.; and Brown, Paul P., 4,808,101, Cl. 425-130.000.
  Schad, Robert D.; and Brown, Paul P., 4,863,369, Cl. 425-547.000.
  Schad, Robert D.; and Brown, Paul P., 4,863,665, Cl. 264-255.000.
  Schad, Robert D.; and Brown, Paul P., 4,867,938, Cl. 264-297.200.

Brown, Pauline M.: *See*—
  Stevens, Samuel R. D.; and Brown, Pauline M., 4,863,607, Cl. 422-4.000.

Brown, Peter A.; Jenkins, Kenneth N.; and Pouget, Paul A., to Rockwell International Suspension Systems Company. Method of bending and forming heated tubular workpieces. 4,854,150, 8-8-89, Cl. 72-369.000.

Brown, Peter E.; Perry, Robert A.; and Kubicki, Raymond S., to Moore Business Forms, Inc. Lock device for manifold forms. 4,850,947, 7-25-89, Cl. 493-365.000.

Brown, Peter E., to Moore Business Forms, Inc. Continuous partially preprinted web for heat sealed envelope construction. 4,883,220, 11-28-89, Cl. 229-69.000.

Brown, Peter F.: *See*—
  Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., 4,827,521, Cl. 381-43.000.
  Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., 4,852,173, Cl. 381-43.000.

Brown, Ralph V., to Facet Enterprises, Inc. Check valve for an electromagnetic fluid pump having a dual valve seat. 4,827,968, 5-9-89, Cl. 137-270.000.

Brown, Ralph V., to Facet Enterprises, Inc. Low pressure metering fluid pump. 4,832,583, 5-23-89, Cl. 417-417.000.

Brown, Ralph V., to Facet Enterprises, Inc. Low pressure metering fluid pump. [illegible], 8-22-89, Cl. [illegible]

Brown, Randal J. Retractable rudder for light weight trolling motor propelled fishing boat. 4,807,553, 2-28-89, Cl. 114-152.000.

Brown, Ray: *See*—
  Dambach, Philip J.; and Brown, Ray, [illegible], Cl. [illegible]

Brown, Ray R.: *See*—
  Brown, [illegible]; Brown, Ray R.; and Stiles, J. Marshall, [illegible], Cl. [illegible]

Brown, Raymond S.: *See*—
  [illegible]; Brown, Raymond S.; [illegible], Frederick [illegible]; and [illegible], Norman, [illegible]

Brown, Reggie A.: *See*—
  [illegible]; Brown, Reggie A.; and [illegible]

Brown, Richard, to [illegible] International, Inc. Circuit board socket, contact and method of manufacture. [illegible]

Brown, Richard; Bennett, Scott A.; and [illegible], Virgil L., to General Electric Company. Electronic circuit substrate construction. [illegible], Cl. [illegible]

Brown, Richard: *See*—
  [illegible], Lawrence K.; and Brown, Richard, 4,810,617, Cl. 439-272.000.

Brown, Richard A.: *See*—
  Norris, Robert D.; Brown, Richard A.; and Hoag, George E., 4,849,360, Cl. 435-264.000.

Brown, Richard C., to National Research Development Corporation. Blended-fibre filter material. 4,798,850, 1-17-89, Cl. 521-134.000.

Brown, Richard I.; Cerny, David E.; Foley, John T.; and West, Joseph C., Jr., to Baxter International Inc. Plasma collection set and method. 4,806,252, 2-21-89, Cl. 210-744.000.

Brown, Richard I.; Smith, Sidney; Cerny, David E.; and Foley, John T., to Baxter International Inc. Centrifugation pheresis system. 4,834,890, 5-30-89, Cl. 210-739.000.

Brown, Richard J., to Eaton Corporation. Supercharger and rotor and shaft arrangement therefor. 4,828,467, 5-9-89, Cl. 418-201.00R.

Brown, Richard K.; and Seiferth, Oscar E., to James River Norwalk, Inc. Package assembly and method for storing and microwave heating of food. 4,886,950, 12-12-89, Cl. 219-10.55E.

Brown, Richard K.: *See*—
  Bohrer, Timothy H.; Pawlowski, Thomas D.; and Brown, Richard K., 4,861,958, Cl. 219-10.55E.

Brown, Richard L.; and Morris, George L. Retaining wall structure. 4,824,293, 4-25-89, Cl. 405-284.000.

Brown, Richard L.: *See*—
  Forte, Gary L.; Brown, Richard L.; Miller, Wayne; Morris, George L., III; and Prior, Michael D., 4,804,299, Cl. 405-285.000.

Brown, Richard P.: *See*—
  Durwell, Llewelyn S.; Brown, Richard P.; Peters, Arthur; and Curley, John L., 4,827,400, Cl. 364-200.000.
  Joyce, Thomas F.; Nusinov, Eugene; and Brown, Richard P., 4,813,002, Cl. 365-49.000.

Brown, Richard R. Programmer for identification system. 4,835,377, 5-30-89, Cl. 235-492.000.

Brown, Richard S.: *See*—
  Staggs, Gregory D.; and Brown, Richard S., 4,845,742, Cl. 379-155.000.

Brown, Richard T.: *See*—
  Mills, Frank D.; Brown, Richard T.; and Mills, Giles D., Jr., 4,829,091, Cl. 514-684.000.

Brown, Robert A.; and Clark, Daren A., to A.B. Chance Company. Electronic sectionalizer with resettable actuator. 4,795,996, 1-3-89, Cl. 337-169.000.

Brown, Robert A. Direct reader book. 4,802,693, 2-7-89, Cl. 281-7.000.

Brown, Robert A., to Acushnet Company. Preparation of wound golf ball cores. 4,846,910, 7-11-89, Cl. 156-170.000.

Brown, Robert A.: *See*—
  Gobush, William; Berard, Raymond A.; Brown, Robert A.; and Jepson, John W., 4,858,923, Cl. 273-62.000.

Brown, Robert A., Jr.: *See*—
  King, Harvey M., 4,798,191, Cl. 123-557.000.

Brown, Robert C., to Iowa State University Research Foundation, Inc. Aggregatively fluidized liquid heat exchanger. 4,865,122, 9-12-89, Cl. 165-104.160.

Brown, Robert D.; and Compton, Richard A., to Portec, Inc. Drive apparatus for belt power turns. 4,887,708, 12-19-89, Cl. 198-831.000.

Brown, Robert E.: *See*—
  Boudreau, Robert A.; and Brown, Robert E., 4,839,563, Cl. 315-169.300.
  Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased, Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., 4,802,859, Cl. 439-74.000.

Brown, Robert F.: *See*—
  Smith, David A.; and Brown, Robert F., 4,815,656, Cl. 232-34.000.

Brown, Robert G.; and Siegel, William J., to Pace Incorporated. In-line solder extractor and heater assembly for use therewith. 4,804,129, 2-14-89, Cl. 228-20.000.

Brown, Robert G.: *See*—
  Girgis, Adly A.; and Brown, Robert G., 4,812,995, Cl. 364-481.000.

Brown, Robert J. Portable means for testing automatic transmissions. 4,805,446, 2-21-89, Cl. 73-118.100.

Brown, Robert J., to Goodyear Tire & Rubber Company, The. Rubbery adhesive cements. 4,808,657, 2-28-89, Cl. 524-518.000.

Brown, Robert J. Rapid mount traction tire for forklifts and the like. 4,818,031, 4-4-89, Cl. 301-36.00R.

Brown, Robert J.; Brown, Roberta; and Rhodes, Carl, to Hand-i-Craft Company. Toy telephones and cords for toy telephones. 4,838,826, 6-13-89, Cl. 446-141.000.

Brown, Robert J.; and [illegible], Richard M., to Goodyear Tire & Rubber Company, The. Rubber containing aramid pulp reinforcement. [illegible], Cl. [illegible]

Brown, Robert J.: *See*—
  [illegible]; Brown, Robert J.; and [illegible]
  [illegible], Ronald C.; and Brown, Robert J., [illegible]
  [illegible]; and Brown, Robert J., [illegible]

Brown, Robert J., III; and [illegible], Charles W., to Associated Data Consultants, Inc. Energy management system with responder unit having an override. [illegible], 7-11-89, Cl. 364-492.000.

Brown, Robert J., III; and Brown, Kenneth E., to Associated Data Consultants. Energy management system. 4,847,781, 7-11-89, Cl. 364-492.000.

Brown, Robert L.; and [illegible], Roger W., to [illegible], Inc. Apparatus and process for measuring change of liquid level in storage tanks. [illegible], 1-10-89, Cl. 73-49.200.

Brown, Robert L.; and Spector, George. Automobile clip board and light unit. 4,842,235, 6-27-89, Cl. 248-447.200.

Brown, Robert L., to Total Environmental Services Technology, Inc. Apparatus and process for measuring changes in effect of tidal forces. 4,882,929, 11-28-89, Cl. 73-49.200.

Brown, Robert L. Random number selection device for lotteries and games. 4,886,271, 12-12-89, Cl. 273-142.0HA.

Brown, Robert L.: *See*—
  Bradt, L. Jack; Brown, Robert L.; Fogt, Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,814,592, Cl. 235-381.000.
  Bradt, L. Jack; Brown, Robert L.; Fogt, G. Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,839,505, Cl. 235-381.000.

Brown, Robert N.; and Farquhar, James J., to Alliance Automation Systems, Inc. Cartridge feed system for automatic PCB loading machine. 4,819,699, 4-11-89, Cl. 140-105.000.

Brown, Robert W., to Alexander Manufacturing & Service Co., Inc. Liferaft launch system. 4,834,016, 5-30-89, Cl. 114-365.000.

Brown, Robert W., to Eastman Kodak Company. Image-capable interprocessor link communications protocol. 4,853,875, 8-1-89, Cl. 364-514.000.

Brown, Robert W.; and Churchill, Donald, to Appleton Papers Inc. Desensitizable self-contained record material useful for security documents and the like. 4,873,219, 10-10-89, Cl. 503-204.000.

Brown, Robert W.: *See*—
  Korsunsky, Iosif; Walker, Kevin E.; and Brown, Robert W., 4,872,845, Cl. 439-70.000.

Brown, Roberta: *See*—
  Brown, Robert J.; Brown, Roberta; and Rhodes, Carl, 4,838,826, Cl. 446-141.000.

Brown, Roger A., to Paris, Irin, a part interest. Neon circuit malfunction detector. 4,882,522, 11-21-89, Cl. 315-119.000.

Brown, Ron; and Cabais, Florentino. Self closing hinge. 4,845,810, 7-11-89, Cl. 16-284.000.

Brown, Ronald C.: *See*—
  Walker, Jack M.; Brown, Ronald C.; and Thomas, Joseph R., 4,846,812, Cl. 604-264.000.

Brown, Ronald E.; Hogan, Robert J.; Coombs, Daniel M.; and Kukes, Simon G., to Phillips Petroleum Company. Process for demetallizing and desulfurizing heavy crude oil. 4,885,080, 12-5-89, Cl. 208-218.000.

Brown, Ronald E.: *See*—
  Luettgen, Michael J.; Koglin, Dennis M.; Kearney, Mark B.; Hart, John M., Jr.; and Brown, Ronald E., 4,850,227, Cl. 73-706.000.
  Yoder, Douglas J.; Brown, Ronald E.; Stevenson, Paul E.; Hornback, Donald L.; and Leisure, Ronald K., 4,885,621, Cl. 357-26.000.

Brown, Ronald L.; Robbins, James K.; and Spiers, Kent, to Marathon Corporation. Compactor with control apparatus for offsetting operation between a gate and a ram. 4,817,520, 4-4-89, Cl. 100-41.000.

Brown, Ronald W., to Thermo King Corporation. Bus air conditioner suitable for mounting within the normal profile of a bus. 4,888,959, 12-26-89, Cl. 62-244.000.

Brown & Root, Inc.: *See*—
  Roberts, Richard A., 4,865,359, Cl. 285-94.000.
  Urquhart, Richard G.; and Tawfik, Adel S., 4,812,080, Cl. 405-227.000.

Brown & Root Vickers Technology: *See—*
 Collins, Roger J.; and Hodgson, James R. T., 4,797,036, Cl. 105-224.000.
Brown, Ross A.; and Davis, Guy M., to TranTek Inc. Shuttle transfer system. 4,848,174, 7-18-89, Cl. 74-89.150.
Brown, Roy, to Graphoidal Developments Limited. Lubricant spray device for glass moulds. 4,861,363, 8-29-89, Cl. 65-24.000.
Brown, Roy S.: *See—*
 DiNovo, Salvatore T.; Schlaechter, John; and Brown, Roy S., 4,850,199, Cl. 62-114.000.
Brown, Sanford S.: *See—*
 Berkowitz, Frederick J.; and Brown, Sanford S., 4,811,230, Cl. 364-900.000.
Brown & Sharpe Manufacturing Company: *See—*
 Beckwith, Walter L., Jr., 4,884,889, Cl. 356-375.000.
 Braman, David P.; and Honer, A. Michael, 4,813,630, Cl. 364-559.000.
 Dutler, Werner, 4,866,643, Cl. 364-571.020.
 McCabe, William J.; and Pesikov, Vitaly I., 4,815,213, Cl. 33-125.00T.
 Pesikov, Vitaly I., 4,802,774, Cl. [illegible]
 Pesikov, Vitaly I., 4,835,871, Cl. 33-1.00M.
Brown, Shawn E.: *See—*
 Holdsworth, Robert S.; Brown, Shawn E.; and Gribens, Joel A., 4,852,794, Cl. [illegible]
Brown, [illegible] Printing frame. [illegible]
Brown, [illegible] construction device. [illegible]
Brown, [illegible] *See—*
 [illegible]
Brown, Stanley M.; Barnes, John W.; and Jacobs, Harry E., to Atlantic Richfield Company. Catalytic cracking with reduced emissions of sulfur oxides. [illegible], Cl. [illegible]
Brown, Stanley M., to Athey Products Corp. Street sweeper with coil springs supported drag shoe. [illegible], 10-10-89, Cl. [illegible]
Brown, Stephen C. N.; and Ashley, Andrew W., to British Nuclear Fuels plc. Apparatus for handling bodies of generally cylindrical configuration. 4,872,545, 10-10-89, Cl. 198-394.000.
Brown, Stephen D.; Junker, Warren R.; and Gradich, Francis X., to Westinghouse Electric Corp. Apparatus and method for inspecting the profile of the inner wall of a tube employing a wall follower and an eddy current probe. 4,876,506, 10-24-89, Cl. 324-220.000.
Brown, Stephen E. Delivery of fuel in internal combustion engines. 4,852,526, 8-1-89, Cl. 123-52.0MC.
Brown, Stephen H.: *See—*
 Crabtree, Robert H.; and Brown, Stephen H., 4,874,488, Cl. 204-157.150.
Brown, Stephen J.; and Pond, Stanley L., to Accudent, Inc. Automatically resetting, force-sensing probe and related method of operation. 4,841,987, 6-27-89, Cl. 128-777.000.
Brown, Stephen N.: *See—*
 Bell, Frederick K.; Brazier, Gary E.; and Brown, Stephen N., 4,819,195, Cl. 364-571.050.
Brown, Sterling B.; and Yates, John B., III, to General Electric Company. Solvent-resistant, compatible blends of polyphenylene ethers and linear polyesters. 4,806,297, 2-21-89, Cl. 264-102.000.
Brown, Sterling B., to General Electric Company. Solvent-resistant, compatible polyphenylene ether-thermoplastic polyester blends. 4,831,087, 5-16-89, Cl. 525-394.000.
Brown, Sterling B.; and McFay, Dennis J., to General Electric Company. Solvent-resistant, compatible blends of polyphenylene ethers and thermoplastic polyesters. 4,866,130, 9-12-89, Cl. 525-92.000.
Brown, Sterling B.: *See—*
 Campbell, John R.; Williams, Robert E., Jr.; Brown, Sterling B.; Conroy, Paul M.; and Florence, Robert A., 4,840,982, Cl. 524-151.000.
 Golba, Joseph C., Jr.; Brown, Sterling B.; and Hasson, Alexandros, 4,831,115, Cl. 528-481.000.
Brown, Steven W.: *See—*
 Buckley, Bruce S.; Reichwein, Roy H.; and Brown, Steven W., 4,870,623, Cl. 367-7.000.
Brown, Stewart C., to Mattel, Inc. Tracking servo control. 4,858,041, 8-15-89, Cl. 360-78.090.
Brown, Stuart I.: *See—*
 Bille, Josef F.; and Brown, Stuart I., 4,848,340, Cl. 128-303.100.
 Bille, Josef F.; and Brown, Stuart I., 4,881,808, Cl. 351-221.000.
Brown, Theresa S.; Parvin, Connie J.; Walters, Patricia B.; Rothe, Wolfram F.; and French, Radford, to PPG Industries, Inc. Aircraft windshield. 4,810,583, 3-7-89, Cl. 428-425.600.
Brown, Thomas A.; and Martin, Kirk A., to Kat Electronics, Inc. Locus identifying device. 4,796,167, 1-3-89, Cl. 362-155.000.
Brown, Thomas E.; Brown, Thomas P.; and Ban, Thomas A. Amino acid and hydroxyamino acid transporter compounds for therapeutic applications, process and use. 4,826,817, 5-2-89, Cl. 514-19.000.
Brown, Thomas G.: *See—*
 Hall, Dennis G.; and Brown, Thomas G., 4,827,318, Cl. 357-1.000.
Brown, Thomas H., to Smith Kline & French Laboratories Limited. Pyrimidone derivatives. 4,808,589, 2-28-89, Cl. 514-269.000.
Brown, Thomas H.: *See—*
 Ife, Robert J.; Brown, Thomas H.; and Leach, Colin A., 4,806,549, Cl. 514-313.000.
 Ife, Robert J.; Brown, Thomas H.; and Leach, Colin A., 4,806,550, Cl. 514-313.000.
 Ife, Robert J.; and Brown, Thomas H., 4,820,708, Cl. 514-232.800.
Brown, Thomas L.: *See—*
 Carney, Robert L.; and Brown, Thomas L., 4,877,09, C 560-262.000.
Brown, Thomas P.: *See—*
 Brown, Thomas E.; Brown, Thomas P.; and Ban, Thomas A., 4,826,817, Cl. 514-19.000.
Brown, Thomas R.; Natzke, Ronald C.; and Logan, Richard H., to J I Case Company. Adjustable hydraulic controls for earth-moving equipment. 4,794,813, 1-3-89, Cl. 74-491.000.
Brown, Thomas R.; Hurd, Frederick E.; and Moyer, David A., t BHMW Partnership. Capped container dispenser. 4,815,256, 3-28-8 Cl. 53-468.000.
Brown, Thomas R.; Logan, Richard H.; Hahn, Robert W.; Rodeghe Charles D.; and Brekkestran, Kevin L., to J I Case Compa Vehicle anti-theft system with remote security module. 4,852,6 8-1-89, Cl. 180-287.000.
Brown, Timothy L.: *See—*
 Southerland, Tommy J.; Hinds, Eugene L.; Brown, Timothy L. and Kiesche, Eric A., 4,804,814, Cl. 219-69.00W.
Brown, Tobin A.; Ross, Scott L.; [illegible] Donald D.; and Ward, Donald J., to Alkco Manufacturing Company. [illegible] lighting system. 4,887,196, 12-12-89, Cl. 362-[illegible]
Brown University Research Foundation: *See—*
 [illegible]
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 [illegible]
Brown, [illegible]
Brown, Vincent R.: *See—*
 [illegible] Brown, Vincent R.; [illegible]
Brown, Wade R.: *See—*
 [illegible] and Brown, Wade R., [illegible]
Brown, Warren E.: *See—*
 Birch, Robert M.; and Brown, Warren E., [illegible] 405-153.000.
Brown, Watson E.: *See—*
 Hsu, Fen-hu; Brown, Watson E.; and Sattler, Jerry J., 4,82 Cl. 156-307.500.
Brown, Wayne H., to Naomitsu Tokieda. Shape memory alloy and butterfly device. 4,809,452, 3-7-89, Cl. 40-417.000.
Brown, Wayne M.: *See—*
 Cunha, Daniel; Brown, Wayne M.; Pool, James E.; and Shep Thomas M., 4,798,141, Cl. 102-293.000.
Brown, Wesley D.; Hill, Edward C.; and Vercellone, Peter T., t United Technologies Corporation. Turbine rotor retention sys 4,872,810, 10-10-89, Cl. 416-145.000.
Brown, Wesley D.: *See—*
 Hall, Kenneth B.; Auxier, Thomas A.; and Brown, Wesley D 4,820,122, Cl. 416-97.00R.
Brown, William C.: *See—*
 Pattillo, Martha C.; Bacehowski, David V.; Bilstad, Arnold C. Cullis, Herbert M.; Dennehey, T. Michael; Yang, James W.; an Brown, William C., 4,829,002, Cl. 435-284.000.
Brown, William E.: *See—*
 Robinson, Richard A.; and Brown, William E., 4,869,7 C 156-233.000.
Brown, William G., II. Solar power generation. 4,882,907, 11-28-89, C 60-649.000.
Brown, William H., to Harley-Davidson, Inc. Insert for fuel tank fill cap. 4,795,054, 1-3-89, Cl. 220-254.000.
Brown, William H.; and Hamann, Michael W., to Harley-Davids Inc. Motorcycle fuel level gauge. 4,807,472, 2-28-89, Cl. 73-313
Brown, William J., to Emerson Electric Co. Wheel caster hor 4,827,564, 5-9-89, Cl. 16-18.00R.
Brown, William M.; and DeCarlo, Frances, to Federal Paper Boa Co., Inc. Microwavable package. 4,813,594, 3-21-89, Cl. 229-
Brown, William R. Exhaust treating apparatus. 4,885,140, 12-5-89, C 422-174.000.
Brown & Williamson Tobacco Corporation: *See—*
 Denier, Robert F.; Litzinger, Elmer F.; and Alford, Ern 4,825,884, Cl. 131-309.000.
 Heaney, Richard; and Naslund, Erik L., 4,883,449, Cl. 493-
 Kounnas, Christopher N., 4,825,885, Cl. 131-365.000.
 Kunkel, Larry, 4,815,592, Cl. 206-264.000.
 Milliner, Kenneth M.; Lewis, Robert T.; Finn, Everett N. a Lowe, Byron L., 4,867,298, Cl. 198-408.000.
 Sullivan, James W., 4,865,222, Cl. 221-241.000.
Brown, Wilmott G., to Westinghouse Electric Corp. Shroud gap co trol for integral shrouded blades. 4,815,938, 3-28-89, Cl. 416-
Browne, Alan L., to General Motors Corporation. Vehicle occupa protection system. 4,886,295, 12-12-89, Cl. 280-777.000.
Browne, Antony N., to Nomad Structures International, Ltd. Build structures. 4,882,884, 11-28-89, Cl. 52-82.000.
Browne, Colin L., to Celanese Corporation. Cigarette filters. 4,82 4-18-89, Cl. 131-345.000.
Browne, Daniel F. Rotary valve mechanism for internal combust engine. 4,821,692, 4-18-89, Cl. 123-190.00A.
Browne, Fredrick D.; and Martin, Jacob H., to Charles Stark Drap Laboratory, Inc., The. System for monitoring a liquid entrained fluid. 4,872,316, 10-10-89, Cl. 62-129.000.
Browne, James M. Impact resistent composites. 4,861,649, 8-29-89, 428-240.000.

Browne, James M.; and Steiner, Paul A. Impact enhanced prepregs and formulations. 4,874,661, 10-17-89, Cl. 428-246.000.
Browne, John, to NEI Canada Limited. Single core display device. 4,860,470, 8-29-89, Cl. 40-449.000.
Browne, Leslie J., to Ciba-Geigy Corp. Substituted imidazo[1,5-a]pyridine derivatives and other substituted bicyclic derivatives and their use as aromatase inhibitors. 4,889,861, 12-26-89, Cl. 514-300.000.
Browne, Ronald O.; and Grano, Martin A., to Food Tools, Inc. Rotary table for bakery product slicer. 4,817,465, 4-4-89, Cl. 74-817.000.
Browne, Ronnie, to Memron, Inc. Filter cartridge having a tunable asymmetric fluoropolymer alloy filter membrane. 4,889,626, 12-26-89, Cl. 210-359.000.
Browne, Ronnie: *See—*
 Simon, Morris; Fabricius, John H.; Browne, Ronnie; Waugh, Arthur; Sarkozy, Robert F.; and Lai, Chiu K. S., 4,854,266, Cl. 119-728.000.
Brownell, David J., to Honeywell Inc. Fabrication of metal interconnect for semiconductor device. 4,797,375, 1-10-89, Cl. 437-187.000.
Brownell, Keith H.: *See—*
 Baker, Don R.; and Brownell, Keith H., 4,797,407, Cl. [illegible]
 Baker, Don R.; Brownell, Keith H.; and Kezerian, Charles, [illegible]
 Baker, Don R.; [illegible] and Brownell, Keith H., [illegible]
 Baker, Don R.; and Brownell, Keith H., [illegible]
 Baker, Don R.; and Brownell, Keith H., [illegible]
 Baker, Don R.; and Brownell, Keith H., [illegible]
 Baker, Don R.; and Brownell, Keith H., [illegible]
 Baker, Don R.; Brownell, Keith H.; and Kezerian, Charles, [illegible]
Brownell, Kenneth W., Jr.: *See—*
 [illegible] and Brownell, Kenneth W., Jr., [illegible]
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Brownell, Peter; Bergia, Joseph A.; and Gabrielson, Robert, to Allied-Signal Inc. Liquid filter. 4,853,118, 8-1-89, Cl. 210-130.000.
Brownell, Peter; Bergia, Joseph A.; and Gabrielson, Robert, to Allied-Signal Inc. Liquid filter with a distorting p… n for transmitting hydraulic forces. 4,857,195, 8-15-89, Cl. 210-443.000.
Brownell, Peter, to Allied-Signal Inc. Liquid filter of spiral wound construction with alternate layers of a surface area media and a depth media. 4,877,527, 10-31-89, Cl. 210-489.000.
Brownell, Richard G., to Sherwood Medical Company. Retainer device for attaching members to flexible tubes and the like to flexible tubes and the like. 4,816,020, 3-28-89, Cl. 604-97.000.
Brownfield, Richard E.: *See—*
 Ondris, Miroslav; Pichler, Marty A.; and Brownfield, Richard E., 4,816,120, Cl. 204-37.100.
Browning: *See—*
 Larson, Marlow W., 4,879,988, Cl. 124-41.00A.
 Larson, Marlow W., 4,884,347, Cl. 33-265.000.
Browning, Bruce E., Jr. Self-supporting concrete form. 4,860,515, 8-29-89, Cl. 52-426.000.
Browning Corporation: *See—*
 Rose, Clyde E., 4,878,308, Cl. 42-102.000.
Browning, George W., to British Aerospace Public Limited Company. Accelerometers. 4,811,604, 3-14-89, Cl. 73-517.00R.
Browning, H. L., Jr.: *See—*
 Rule, Mark; and Browning, H. L., Jr., 4,814,526, Cl. 570-211.000.
Browning, James A. Duct-stabilized flame-spray method and apparatus. 4,836,447, 6-6-89, Cl. 239-8.000.
Browning, James A. High-velocity controlled-temperature plasma spray method and apparatus. 4,841,114, 6-20-89, Cl. 219-121.470.
Browning, Luke M.: *See—*
 Benigmus, Douglas M.; and Browning, Luke M., 4,888,771, Cl. 371-16.100.
Browning, Nigel; Fry, Arthur C.; Malpass, Robert L. H.; Matthews, Brian; and Peters, Michaels S., to British Aerospace Public Limited Company. Aircraft navigation systems. 4,875,646, 10-24-89, Cl. 244-190.000.
Browning, Nigel; Fry, Arthur C.; Malpass, Robert L. H.; Matthews, Brian; and Peters, Michael S., to British Aerospace Public Limited Company. Transmitters. 4,887,781, 12-19-89, Cl. 244-190.000.
Browning, Robert L., to Formex Manufacturing, Inc. Transformer mounting pad having a cable opening lined with a safety barrier. 4,883,918, 11-28-89, Cl. 174-1.000.
Browning, Shane C.; Carlisle, Robert; and Wright, Alexander H., to Gallaher Limited. Smoker's pipe. 4,870,979, 10-3-89, Cl. 131-196.000.
Brownlee, ALfred W. T., to Union Special GmbH. Chain stitch sewing machine. 4,821,661, 4-18-89, Cl. 112-248.000.
Brownlee, David A. Rabble arm used in multiple hearth furnace. 4,842,051, 6-27-89, Cl. 165-93.000.
Brownline (U.K.) Limited: *See—*
 Berrett, Thomas R., 4,796,539, Cl. 108-55.100.
Brownstein, Scott A., to Eastman Kodak Company. Image contrast by thermal printers. 4,837,586, 6-6-89, Cl. 346-76.0PH.
ox, Werner; and Burger, Artur, to R. P. Scherer Corporation. Oxytetracycline capsules with increased stability and methods of producing the same. 4,829,057, 5-9-89, Cl. 514-152.000.
ox, Werner, to R. P. Scherer Corporation. Ethanol fill formulation for sofgels etc. 4,888,239, 12-19-89, Cl. 428-402.200.
oxterman, Gregory C.: *See—*
 Schild, Ronald H.; Koeplin-Gall, Sandra; and Broxterman, Gregory C., 4,872,999, Cl. 210-754.000.
Broyhill Mfg. Co., Inc., The: *See—*
 Oberg, Robert E., 4,863,053, Cl. 220-1.00T.
Broyles, Luda E., III. Tank safety ladder. 4,848,517, 7-18-89, Cl. 182-83.000.
Broyles, Michael T. Water closet and bidet apparatus. 4,876,750, 10-31-89, Cl. 4-420.400.
Broze, Guy; and Bastin, Danielle, to Colgate-Palmolive Company. Nonaqueous liquid nonionic laundry detergent composition containing an alkali metal dithionite or sulfite reduction bleaching agent and method of use. 4,797,225, 1-10-89, Cl. 252-105.000.
Broze, Guy; and Ouhadi, Trazollah, to Colgate-Palmolive Company. Liquid laundry detergent composition containing polyphosphate. 4,800,035, 1-24-89, Cl. 252-99.000.
Broze, Guy; and Lyss, Regis, to Colgate-Palmolive Company. Acetylated sugar ethers as bleach activators, detergency boosters and fabric softeners. 4,800,038, 1-24-89, Cl. 252-[illegible]
Broze, Guy; and Bastin, Danielle, to Colgate-Palmolive Company. Built nonaqueous liquid nonionic laundry detergent composition containing acid terminated nonionic surfactant and quaternary ammonium softener and method of use. [illegible] Cl. 252-8.800.
Broze, Guy; and Delvenne, Jean-Paul, to Colgate-Palmolive Company. Hot water wash cycle built nonaqueous liquid nonionic laundry detergent composition [illegible] and method of use. [illegible]
Broze, Guy; and Bastin, Danielle, to Colgate-Palmolive Company. Built nonaqueous liquid nonionic laundry detergent composition containing [illegible] and method of use. [illegible], 10-10-89, Cl. [illegible]
Broze, Guy, to Colgate-Palmolive Company. Acetylated sugar ethers as bleach activators and detergency boosters. [illegible], 12-26-89, Cl. [illegible]
BRS, Inc.: *See—*
 Case, Bruce E.; and Kodlec, Philip E., [illegible], Cl. 244-152.000.
Bru-Magniez, Nicole; Teulon, Jean-Marie; and Launay, Michele, to Center D'Activitate et de Recherches Pharmaceutique Industrielle Biologique Medicale. Novel aminoalkylthio derivatives of triazolopyridine or triazoloquinoline, the processes for their preparation, and drugs, useful especially as analgesics, in which they are present. 4,886,805, 12-12-89, Cl. 514-253.000.
Brubaker, Charles E. Route indicating signalling systems for transport vehicles. 4,857,925, 8-15-89, Cl. 340-994.000.
Brubaker, Clifford E.; and McLaurin, Colin A., to University of Virginia Alumni Patents Foundation, The. Lever drive apparatus. 4,840,076, 6-20-89, Cl. 74-143.000.
Brubaker, Richard A.: *See—*
 Bohrn, Walter J.; Brubaker, Richard A.; Garman, Shelly N.; Hosfeld, Lewis K.; Ko, Kenneth K.; and Tymon, Thomas M., 4,877,484, Cl. 162-103.000.
Brubaker, Weldon, to Molex Incorporated. High contact pressure insulation displacement terminal for multi-strand wire. 4,813,884, 3-21-89, Cl. 439-389.000.
Brubaker, Weldon L.; Gierut, Frederick J.; Kowalkowski, James T.; and Liburdi, Francesco, to Molex Incorporated. Terminal pin with s-shaped complaint portion. 4,857,019, 8-15-89, Cl. 439-751.000.
Brubaker, Weldon L.: *See—*
 Finney, James E.; and Brubaker, Weldon L., 4,875,582, Cl. 206-330.000.
Brubaker, William B.; Slaughter, John; Christian, Donald J.; and Doty, Thomas J., to Texas Instruments Incorporated. Apparatus for visually locating and communicating with mobile robots. 4,882,694, 11-21-89, Cl. 364-424.020.
Brucchen, Gaetan. Anti-jamming device for chain saw. 4,825,553, 5-2-89, Cl. 30-383.000.
Bruce, Charles R., to Marathon Oil Company. Method and means for introducing treatment fluid into a well bore. 4,846,279, 7-11-89, Cl. 166-310.000.
Bruce, Donovan A., to A G Communication Systems Corporation. Additive PCM speaker circuit for a time shared ISDN conference arrangement. 4,831,618, 5-16-89, Cl. 370-62.000.
Bruce, Donovan A., to AG Communication Systems Corporation. Method for generating PCM logarithmic values from linear values. 4,845,499, 7-4-89, Cl. 341-143.000.
Bruce, Donovan A.: *See—*
 Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., 4,866,703, Cl. 370-60.000.
Bruce, Ian P. C.: *See—*
 Willis, Alan R.; Bruce, Ian P. C.; Gibson, David L.; and Whitbread, Hugh, 4,849,966, Cl. 370-85.000.
Bruce, Leland E., to McDonnell Douglas Corporation. Chemical milling of lithium aluminum alloy. 4,851,077, 7-25-89, Cl. 156-626.000.
Bruce, Peter, to BruPat Limited. Anchor. 4,802,434, 2-7-89, Cl. 114-294.000.
Bruce, Peter, to Brupat Limited. Fluked burial devices. 4,856,451, 8-15-89, Cl. 114-301.000.
Bruce, Peter. Anchor orientation device. 4,864,955, 9-12-89, Cl. 114-210.000.
Bruce, Robert; and Whitney, Robert W., to CPC-Rexcel, Inc. Tamper-evident, differential pressure-thermoformed lidded plastic container. 4,836,407, 6-6-89, Cl. 220-276.000.
Bruce, Robert A., to Storage Technology Partners II. Method and apparatus for measuring the absolute thickness of dust defocus layers. 4,815,856, 3-28-89, Cl. 356-357.000.
Bruce, Robert W., to Ford Motor Company. Manually controlled multiple speed ratio transmission. 4,799,399, 1-24-89, Cl. 74-477.000.

Bruce, Ronald A.: *See—*
Mathis, Lee R.; Panagotacos, George W.; Panagotacos, Steve K.; and Bruce, Ronald A., 4,814,579, Cl. 219-202.000.
Bruce, Sue, to Schlumberger Technology Corporation. Drilling fluid. 4,879,654, 11-7-89, Cl. 364-422.000.
Bruce, William H., Jr., to Eastman Kodak Company. Multi-mode electrophotographic reproduction apparatus. 4,803,517, 2-7-89, Cl. 355-3.0CH.
Bruch, Helmut; and Pohl, Peter, to Siemens Aktiengesellschaft. Device having a light waveguide plug connector. 4,805,978, 2-21-89, Cl. 350-96.200.
Bruch, Helmut, to Siemens Aktiengesellschaft. An apparatus for fixing light waveguide cables in a plug housing. 4,818,057, 4-4-89, Cl. 350-96.200.
Bruch, Jurgen: *See—*
Thomas, Friedrich-Werner; and Bruch, Jurgen, 4,823,263, Cl. 364-559.000.
Bruch, Peter, to R. Stahl Schaltgerate GmbH. Electrical safety barrier for protection of electrical load elements placed in potentially hazardous locations. 4,831,484, 5-16-89, Cl. 361-101.000.
Brucher, Eberhard. Mechanically operated collet chuck for gripping round objects. 4,810,019, 3-7-89, Cl. 294-106.000.
Brucher, Peter; and Lachmann, Helmut, to Borsig GmbH. Heat exchanger, especially for cooling cracked gas. 4,848,449, 7-18-89, Cl. 165-160.000.
Brucher, Peter; and Lachmann, Helmut, to Borsig GmbH. Heat exchanger, especially for cooling cracked gas. 4,858,684, 8-22-89, Cl. 165-134.100.
Bruchez, Raymond J., Jr.; Eichhorn, Gunther; and Kiblinger, Elliott C., II, to United Technologies Corporation. Variable convergent/divergent nozzle. 4,799,623, 1-24-89, Cl. 239-265.410.
Bruchmann, Bernd: *See—*
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Bruchmann, Heinz-Dieter: *See—*
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Bruchner, Christiane: *See—*
Becker, Rainer; Seufert, Walter; Buschmann, Ernst; and Bruchner, Christiane, 4,877,891, Cl. 549-416.000.
Bruck, Louis D.: *See—*
Powell, John M.; and Bruck, Louis D., 4,881,315, Cl. 29-450.000.
Brucker, Christian. Apparatus for waste water treatment. 4,844,800, 7-4-89, Cl. 210-195.300.
Brucker, Hans D.: *See—*
Franz, Klaus D.; Ambrosius, Kalus; Kanpp, August; and Brucker, Hans D., 4,867,793, Cl. 106-415.000.
Brucker, John P., to United States of America, Energy. Spark gap switch with spiral gas flow. 4,886,993, 12-12-89, Cl. 313-231.510.
Bruckert, Serge: *See—*
Lechelle, Alain; Guidat, Thierry; and Bruckert, Serge, 4,839,978, Cl. 42-65.000.
Bruckert, William F.; Flahive, Barry; and Lacy, James V., to Digital Equipment Corporation. Buffer system for input/output portion of digital data processing system. 4,860,244, 8-22-89, Cl. 364-900.000.
Bruckert, William F.; and Bissett, Thomas D., to Digital Equipment Corporation. Dual-rail processors with error checking on I/O reads. 4,862,465, 8-29-89, Cl. 371-68.000.
Bruckmann, Gerhard: *See—*
Stenzel, Otto; Muller, Felix; Bruckmann, Gerhard; and Choudhury, Alok, 4,881,239, Cl. 373-70.000.
Bruckner Apparatebau GmbH: *See—*
Koch, Werner, 4,835,992, Cl. 68-13.00R.
Koch, Werner; and Schuierer, Manfred, 4,843,669, Cl. 8-151.000.
Schuierer, Manfred; and Koch, Werner, 4,799,367, Cl. 68-13.00R.
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Bruckner, Christopher A., to Allied-Signal Inc. Stacked lamination magnetic cores. 4,853,292, 8-1-89, Cl. 428-600.000.
Bruckner, Christopher A.: *See—*
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Bruckner, Gerald M.: *See—*
Johnson, Kevin K.; Bruckner, Gerald M.; and Bader, Brian E., 4,813,316, Cl. 83-42.000.
Bruckner, Gunther; Hiller, Wolfgang; Klingelhofer, Ulrich; and Radtke, Manfred, to Mero-Werke Dr. Ing. Max Mengeringhausen GmbH & Co. Self-supporting composite plate, especially double floor plate. 4,833,845, 5-30-89, Cl. 52-126.600.
Bruckner, Karl-Heinz: *See—*
Giesselmann, Gunter; Hartmann, Andreas; and Bruckner, Karl-Heinz, 4,846,935, Cl. 203-86.000.
Bruckner, Norman I.; Gordon, Michael D.; and Howell, Ronald G., to Surgikos, Inc. Disinfecting and sterilizing composition. 4,847,304, 7-11-89, Cl. 514-699.000.
Bruckner, Norman I.; Gordon, Michael D.; and Howell, Ronald G., to Surgikos, Inc. Odorless aromatic dialdehyde disinfecting and sterilizing composition. 4,851,449, 7-25-89, Cl. 514-698.000.
Bruckner, Ronald L.; and Driscoll, James W., to NCR Corporation. Grabber mechanism for a badge reader terminal. 4,798,945, 1-17-89, Cl. 235-479.000.
Bruckner Trockentechnik GmbH & Co. KG: *See—*
Gresens, Barry, 4,854,862, Cl. 432-59.000.
Gresens, Harry, 4,829,680, Cl. 34-31.000.
Gresens, Harry; and Muller, Jorg, 4,846,386, Cl. 226-118.000.
Bruckstein, Henry, to Dopler Industries Inc. Replacement sun visors for automobiles. 4,858,989, 8-22-89, Cl. 296-97.200.

Brudal, Hans N.: *See—*
Tetlie, Per J.; Brudal, Hans N.; and Meisingset, Alf E., 4,841,19 Cl. 310-337.000.
Bruder, John F.; and Rainwater, Sam L., to Quadri Corporation. Sof write apparatus and method for nondestructive readout core memory. 4,805,146, 2-14-89, Cl. 365-131.000.
Bruder, John R.; Sivulka, Gerald M.; and Tribe, Leonard T., to Kelsey-Hayes Company. Liquid level detector. 4,848,151, 7-18-89, C 73-308.000.
Bruder, Wolfgang: *See—*
Bievert, Klaus; Bruder, Wolfgang; Geilhaupt, Manfred; Kupper, Gerd; and Zabinski, Siegfried, 4,871,155, Cl. 269-289.00R.
Bruderer AG: *See—*
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Portmann, August T., 4,854,152, Cl. 72-456.000.
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Bruderer, Hans; and Zurfluh, Rene, to Hoffmann-La Roche Inc. Hete ocyclic compound. 4,833,245, 5-23-89, Cl. 540-587.000.
Bruderer, Hans: *See—*
Bernauer, Karl; and Bruderer, Hans, 4,820,734, Cl. 514-649.00
Bruderer, Werner; and Bohler, Erwin, to Werkzeugmaschinenfabr Oerlikon-Buhrle AG. Apparatus for radially securing a cartrid inserted by a breechblock into the weapon barrel of a firing weapo 4,860,632, 8-29-89, Cl. 89-33.250.
Bruderer, Werner: *See—*
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Bohler, Erwin; and Bruderer, Werner, 4,885,975, Cl. 89-33.25
Bruderle, Ernst: *See—*
Scheit, Arnold; and Bruderle, Ernst, 4,884,771, Cl. 244-165.00
Bruderlin, Hans R.; Gasser, Hermann; Rutz, Hans; and Cunger, Karl, t Hollingsworth GmbH. Apparatus for compressing and automatical introducing a textile fibre strand into a feed nip. 4,809,405, 3-7-89, C 19-159.00R.
Brudgam, Siegfried: *See—*
Beckmann, Hans-Dieter; Brudgam, Siegfried; and Roeper, Diete 4,805,483, Cl. 74-579.00E.
Brudi Equipment, Inc.: *See—*
Adamski, Donald F.; Frison, Emmett C.; and Matthewson, Randa W., 4,828,450, Cl. 414-607.000.
Brudny, Alex: *See—*
Rosenberg, Larry; Chadwick, Curt H.; and Brudny, Ale 4,889,676, Cl. 264-255.000.
Brueck, Steven R. J.; Schaus, Christian F.; Osinski, Marek A.; McIne ney, John G.; Raja, M. Yasin A.; Brennan, Thomas M.; and Ha mons, Burrell E., to University of New Mexico. Wavelength-reso nant surface-emitting semiconductor laser. 4,881,236, 11-14-89, C 372-45.000.
Bruecken, Thomas: *See—*
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Brueckner, Juergen: *See—*
Schubring, Reinhard; Witt, Juergen; Harwardt, Irene; Neuman Sigrd; Schneider, Christoph; Mieth, Gerhard; Raue, Wolfgan and Brueckner, Juergen, 4,852,477, Cl. 99-450.200.
Bruederle, Ernst, to Messerschmitt-Bolkow-Blohm GmbH. Proce for the reacquisition of the pitch attitude of an earth satell 4,858,858, 8-22-89, Cl. 244-165.000.
Brueggemann, Harry P.; and Swanberg, Melvin E., to Xerox Corpo tion. Polycone TM scanning system with multiple beams. 4,805,9 2-21-89, Cl. 350-6.700.
Brueggemann, Harry P., to Xerox Corporation. Jitter reduction i rotating polygon scanning systems. 4,870,273, 9-26-89, C 250-235.000.
Bruegger, Berndt B., to Bio-Rad Laboratories, Inc. Separation of hem globin A_2 from hemoglobin mixture. 4,810,391, 3-7-89, C 210-656.000.
Bruen, Johannes; and Latussek, Hans-Peter, to Siemens Aktiengese schaft. Backplane with associated handling means. 4,875,8 10-24-89, Cl. 439-189.000.
Bruener, Patrick J.; Harkness, Joseph R.; Vogl, Norbert M.; and Eder Glen C., to Briggs & Stratton Corporation. Pivoting balancer syste 4,819,593, 4-11-89, Cl. 123-192.00B.
Bruening, Wilhelm; Uchdorf, Rudolf; and Mitschker, Alfred, to Baye Do Brasil S.A. Process for the removal of sulfur-containing ga 4,853,191, 8-1-89, Cl. 423-226.000.
Brueninghaus Hydraulik GmbH: *See—*
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Bruenn, Rainer: *See—*
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Brueschke, Hartmut E. A.: *See—*
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Bruesehoff, Steven M.: *See—*
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Bruesewitz, Gerhard: *See—*
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Bruesselbach, Hans W.; and Dewhirst, Donald R., to Hughes Aircra Co. Single mirror integral raman laser. 4,821,272, 4-11-89, C 372-3.000.
Bruestle, Claus: *See—*
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Bruey, Paul M., to RCA Licensing Corporation. Deflection distortion correction device. 4,823,100, 4-18-89, Cl. 335-210.000.
Brufani, Mario; Castellano, Claudio; Marta, Maurizio; Oliverio, Alberto; Pavone, Flaminia; and Pomponi, Massimo, to Consiglio Nazionale Delle Ricerche. Physostigmine derivatives with acetylcholinesterase inhibition properties, and manufacture. 4,831,155, 5-16-89, Cl. 548-429.000.
Brugerolle, Jean-Renaud, to L'Air Liquide, Societe Anonyme Pour L'Etude Et L'Exploitation des Procedes Georges Claude. Air distillation process and plant. 4,818,262, 4-4-89, Cl. 62-22.000.
Brugerolle, Jean-Renaud; Combe, Michel; and Paganessi, Joseph, to Liquid Air Corporation; and L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process and installation for ammonia treatment of a gas. 4,847,057, 7-11-89, Cl. 423-234.000.
Brugge, Stephen P.; Harper, Jon J.; and Autry, Larry W., to Amoco Corporation. Method for producing 5-t-butylisophthalic acid. 4,827,026, 5-2-89, Cl. 562-416.000.
Bruggeman, Jon; and Simonette, Dallas W., to Power Flo Products Corp. Bellows pneumatic system. 4,824,340, 4-25-89, Cl. 417-479.000.
Bruggeman, Jon; and Simonette, Dallas W., to Power Flo Products Corp. Bellows pneumatic system. 4,882,978, 11-28-89, Cl. 92-34.000.
Bruggeman, Rudyard J.; and Carscallen, Gregory A., to Coors Porcelain Company. Supported ceramic guide roller. 4,876,875, 10-31-89, Cl. 72-199.000.
Bruggeman, William L., to Power Flo Products Corp. Fountain applicator handle with specific check valve. 4,810,123, 3-7-89, Cl. 401-144.000.
Bruggemann, Peter: *See—*
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Bruggemann, Reinhard: *See—*
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Bruggen, Gerhard; Gaugler, Manfred; Karr, Dieter; and Winkler, Josef, to Robert Bosch GmbH. Servocylinder with an electric piston stroke limiting switch. 4,843,951, 7-4-89, Cl. 92-5.00R.
Brugger, Franz: *See—*
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Brugger, Richard D. Traffic signal. 4,799,060, 1-17-89, Cl. 340-907.000.
Brugger, Rudolf: *See—*
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Brugging, Wilhelm: *See—*
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Bruggmann, Remy; and De Boer, Philipp, to Maillefer S.A. Installation and method for producing an optical conductor. 4,796,414, 1-10-89, Cl. 57-6.000.
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Bruhl, J. D.; and Geisinger, William R. Volumetric leak detection means and method. 4,873,863, 10-17-89, Cl. 73-49.200.
Bruhmann, Werner, to Robert Bosch GmbH. Correction spring capsule for injection devices of internal combustion engines. 4,794,899, 1-3-89, Cl. 123-373.000.
Bruhmann, Werner, to Robert Bosch GmbH. Centrifugal rpm governor for internal combustion engines. 4,796,381, 1-10-89, Cl. 123-373.000.
Bruhn, Alfred, to American Hydrotherm Corp. Waste heat recovery system. 4,844,020, 7-4-89, Cl. 122-7.00R.
Bruhn, Peter H., to International Business Machines Corporation. Tab device excise and lead form apparatus. 4,877,174, 10-31-89, Cl. 228-5.100.
Bruhn, Rainer: *See—*
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Bruhn, Theodor. Device for evaluating and measuring human sensory perception. 4,878,384, 11-7-89, Cl. 73-379.000.
Bruhnke, Ulrich; Korber, Jurgen; and Jobmann, Ingo, to Daimler-Benz Aktiengesellschaft. Tilting ashtray for motor vehicles. 4,838,599, 6-13-89, Cl. 296-37.900.
Bruhnke, Ulrich; Korber, Jurgen; Fischer, Helmut; Jobmann, Ingo; Feichtiger, Dieter; Deischl, Hans; Weikert, Gunther; Schumacher, Josef; and Claor, Klaus, to Daimler-Benz Aktiengesellschaft. Central locking system for door and lid fastenings of a motor vehicle. 4,848,509, 7-18-89, Cl. 180-287.000.
Bruins, Andries P.: *See—*
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Bruinsma, Robert F.; and Thomas, Delmer L. Portable reflector antenna assembly. 4,868,578, 9-19-89, Cl. 343-882.000.
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Schmalbein, Klaus-Dieter, 4,812,763, Cl. 324-316.000.
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Bruker Medizintechnik GmbH: *See—*
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Brule, Gerard; Roger, Loic; Fauquant, Jacques; and Piot, Michel, to Institut National de la Recherche Agronomique. Casein phosphopeptide composition. 4,816,398, 3-28-89, Cl. 435-69.000.
Brulet, Daniel, to Atochem. Process for polymerizing vinyl chloride in emulsion or in microsuspension. 4,833,180, 5-23-89, Cl. 523-322.000.
Brulet, Daniel, to Atochem. Vinyl chloride latex polymers with diterbutyl-p-cresol as polymerization aid. 4,868,258, 9-19-89, Cl. 526-84.000.
Brull, Robert A.; Bullivant, Robert F.; Del Signore, James R., II; and Walker, Alan H., to NCR Corporation. Optical sensor protective member. 4,818,132, 4-4-89, Cl. 400-708.000.
Brull, Robert A.; and Walker, Alan H., to NCR Corporation. Dot matrix print head carriage with swingable heat sink. 4,867,590, 9-19-89, Cl. 400-352.000.
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Brumbaugh, Ernest; and Taylor, Roy M., Jr., to Amway Corporation. Floor polish remover. 4,857,114, 8-15-89, Cl. 134-42.000.
Brumberg, Charles S.: *See—*
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Brumfield, David L., to Richards Medical Company. Fermoral fracture device. 4,827,917, 5-9-89, Cl. 128-42.0YZ.
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Bruml, William; Moscovitch, Marko; and Szalanczy, Andras, to Harshaw Chemical Company, The. Thermoluminescence dosimetry card reader heating assembly. 4,835,388, 5-30-89, Cl. 250-337.000.
Brumm, Curtis; Ernst, Randi; and Rogalla, Lyle H., to Dimension Industries, Inc. Glass edge sealant curing system. 4,820,365, 4-11-89, Cl. 156-109.000.
Brumm, Phillip J.; and Datta, Rathin, to Michigan Biotechnology Institute. Production of organic acids by an improved fermentation process. 4,814,273, 3-21-89, Cl. 435-140.000.
Brumm, Phillip J.; and Datta, Rathin, to Michigan Biotechnology Institute. Production of acetic acid by an improved fermentation process. 4,830,963, 5-16-89, Cl. 435-140.000.
Brumme, Gerhard, to Siemens Aktiengesellschaft. Optical resonator for a laser. 4,847,858, 7-11-89, Cl. 372-107.000.
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Brun, Pierre, to Compagnie Europenne du Zirconium Cezus. Process and devices for operation of an apparatus which functions by using a flow of a liquid film. 4,874,559, 10-17-89, Cl. 261-67.000.
Brun, Robert; and Ramseier, Ernst, to Wild Heerburgg, AG. Apparatus for determining the strength and direction of a magnetic field, particularly the geomagnetic field. 4,849,696, 7-18-89, Cl. 324-252.000.
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Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Franceschi, Giovanni; and Bruna, Costantino D., 4,863,914, Cl. 514-192.000.
Bruncke, William C.: *See—*
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Brundage, David J., to Stone Container Corporation. Carton tray apparatus. 4,883,221, 11-28-89, Cl. 229-143.000.

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Brundage, Richard B. Scroll saw blade position adjustment and work table dampener. 4,841,823, 6-27-89, Cl. 83-781.000.

Brundidge, Steven P.; Brodfuehrer, Paul R.; Sapino, Chet, Jr.; Shih, Kun M.; and Walker, Donald G., to Bristol-Myers Company. Process for preparing cephalosporin intermediates. 4,868,294, 9-19-89, Cl. 540-222.000.

Brundidge, Steven P.; Howell, Henry G.; Sapino, Chester, Jr.; and Hong-Tann, Chou, to Bristol-Myers Company. Nucleoside process. 4,879,377, 11-7-89, Cl. 536-18.200.

Brune, Gerard: *See—*

Mattei, Spartaco F.; and Brune, Gerard, 4,805,664, Cl. 137-543.230.

Brune, Johannes; and Latussek, Hans-Peter, to Siemens Aktiengesellschaft. Backplane having a movable contact means. 4,861,274, 8-29-89, Cl. 439-189.000.

Brune, Johannes; and Latussek, Hans-Peter, to Siemens Aktiengesellschaft. Backplane for supporting removable modular. 4,871,324, 10-3-89, Cl. 439-189.000.

Brune, Johannes, to Siemens Aktiengesellschaft. Cabinet stiffener. 4,878,700, 11-7-89, Cl. 292-241.000.

Brune, Kay, to Smith Kline Dauelsberg GmbH. Carboxylic acid amides, compositions and medical use thereof. 4,851,443, 7-25-89, Cl. 514-563.000.

Brune, William A.; and Grimes, Scott D., to Schlumberger Technologies, Inc. Method and apparatus for in-circuit testing of electronic devices. 4,862,067, 8-29-89, Cl. 324-73.00R.

Bruneel, C.: *See—*

Boudy, Pierre; Houze, Martine; Bruneel, C.; and Bigotte, Jean L., 4,862,747, Cl. 73-631.000.

Brunel, Andre, to Robert Bosch GmbH. Fuel injection pump. 4,840,162, 6-20-89, Cl. 123-506.000.

Brunel, Andre, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,889,096, 12-26-89, Cl. 123-450.000.

Brunel, Christian: *See—*

Menn, Roger; Brunel, Christian; and Pecile, Dario, 4,874,986, Cl. 313-505.000.

Pecile, Dario; Menn, Roger; and Brunel, Christian, 4,829,213, Cl. 313-509.000.

Brunell, Alejandro. Street identification sign assembly. 4,854,063, 8-8-89, Cl. 40-607.000.

Brunelle, Daniel J.; Shannon, Thomas G.; Kosky, Philip G.; Buckley, Paul W.; and Silva, James M., to General Electric Company. Detecting the stoichiometric end point of phosgenation reactions. 4,814,420, 3-21-89, Cl. 528-198.000.

Brunelle, Daniel J.; and Shannon, Thomas G., to General Electric Company. Cyclic polyester oligomer and method for their preparation. 4,829,144, 5-9-89, Cl. 528-176.000.

Brunelle, Daniel J.: *See—*

Shannon, Thomas G.; and Brunelle, Daniel J., 4,888,411, Cl. 528-199.000.

Brunelle, Jean-Pierre; Nortier, Patrice; and Quemere, Eric, to Rhone-Poulenc Chimie. CeO catalytic desulfurization of industrial gases. 4,857,296, 8-15-89, Cl. 423-574.00R.

Brunelle, Kathleen L.: *See—*

Weierstall, Richard P.; Enever, Robin P.; Brunelle, Kathleen L.; Thone, Gerard F.; and Warner, Ronald N., 4,861,591, Cl. 424-690.000.

Bruner, Charles N.: *See—*

Strickland, Donald G.; and Bruner, Charles N., 4,845,781, Cl. 2-161.00R.

Bruner, George M., Jr., to Tekbilt, Inc. Interactive video game of chance and player controlled subsystem therefor. 4,799,683, 1-24-89, Cl. 273-138.00A.

Bruner, Hasse; and Persson, Lars I., to Rippelton, N.V. Apparatus for a harvesting machine. 4,845,931, 7-11-89, Cl. 56-208.000.

Bruner, James P.: *See—*

Arnett, Charles R.; and Bruner, James P., 4,840,686, Cl. 148-334.000.

Bruner, Mates A. Openable ring with unique locking and release means. 4,879,883, 11-14-89, Cl. 63-15.700.

Bruner, Thomas M. Valve apparatus. 4,832,083, 5-23-89, Cl. 137-861.000.

Brunet, Andre: *See—*

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Brunet, Charles G.; and Watson, Alton. Apparatus for and a method of drilling offset wells for producing hydrocarbons. 4,852,666, 8-1-89, Cl. 175-61.000.

Brunet, Henri; Mabru, Michel; and Chauvet, Philippe, to Compagnie Generale d'Electricite. Laser with discharge in a turbulent transverse flow. 4,873,695, 10-10-89, Cl. 372-58.000.

Brunet, Maurice: *See—*

Habermann, Helmut; Brunet, Maurice; and Geroier, Alain, 4,866,318, Cl. 310-90.500.

Brunet, Michel; and Garcia, Firmin, to Etablissements Valois. Push-nipple for medical sprayer. 4,801,093, 1-31-89, Cl. 239-490.000.

Brunet, Michel; and Jouillat, Claude, to Valois, Societe Anonyme. Portioning device for paste or semi-liquid products. 4,856,677, 8-15-89, Cl. 222-94.000.

Brunet, Michel: *See—*

Groslambert, Jacques; and Brunet, Michel, 4,845,692, Cl. 368-156.000.

Brunet, Normand A.: *See—*

Klucz, Francis M.; and Brunet, Normand A., 4,864,709, Cl. 29-259.000.

Brunet, Roger: *See—*

Bernard, Jean; and Brunet, Roger, 4,853,998, Cl. 14-2.400.

Brunet, Yves; and Tixador, Pascal, to Alsthom. Superconducting ele tric rotating machine and its thermal insulation. 4,808,864, 2-28-89, C 310-52.000.

Brunet, Yves: *See—*

Tixador, Pascal; and Brunet, Yves, 4,855,859, Cl. 361-19.000.

Brunett, Peter F.; and Fallin, Daniel P., to Graphic Controls Corpora tion. Transparency medium for automatic printers. 4,814,216, 3-21-8 Cl. 428-43.000.

Brunetta, Fabio; Bader, Stefano; and Pantini, Giovanni, to Ausim S.p.A. Compositions for cosmetics and dermatology comprisi perfluoropolyethers. 4,803,067, 2-7-89, Cl. 424-63.000.

Brunette, Christine M.: *See—*

Gay, Frank P.; and Brunette, Christine M., 4,816,556, C 528-176.000.

Brunette, Jean-Pierre: *See—*

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Brunette Machine Works, Ltd.: *See—*

Pousette, Ronald D., 4,830,072, Cl. 144-208.00E.

Brunetti, Anthony. Insect trap. 4,876,823, 10-31-89, Cl. 43-114.000.

Brunetti, Brunetto; and Prada, Marco, to Ellem Industria Farmaceu S.p.A. Tripeptide with immunostimulating activity. 4,874,5 10-17-89, Cl. 530-331.000.

Brunfeldt, Robert J.; and Jackson, James C., to R. J. Brunfeldt Com pany, Inc. Automatic sample system for mass spectrome 4,879,458, 11-7-89, Cl. 250-288.000.

Brungardt, Catherine R.: *See—*

Sircar, Jagadish C.; Brungardt, Catherine R.; and Schwende Charles F., 4,874,862, Cl. 544-276.000.

Brungardt, Clement L.; and Rush, Pamela K., to Hercules Incorpo rated. Non-dispersible vermiculite products. 4,885,330, 12-5-89, C 524-447.000.

Brungel, Norbert; and Schumacher, Hermann-Josef, to Rheinisch Braunkohlenwerke AG. Method of starting a gasifier. 4,881,9 11-21-89, Cl. 48-197.00R.

Brungraber, Robert J. Portable tester for measuring slip resistanc 4,798,080, 1-17-89, Cl. 73-9.000.

Bruni, Ludovico, to AE PLC. Asymmetric oval piston with highe convexity thrust face. 4,831,919, 5-23-89, Cl. 92-233.000.

Bruning, Gert W.; and Stupp, Edward H., to North American Philip Corporation. High frequency high voltage power supply with con trolled output power. 4,882,666, 11-21-89, Cl. 363-97.000.

Bruning, John H., to American Telephone and Telegraph Compan Deep-uv lithography. 4,883,352, 11-28-89, Cl. 353-122.000.

Bruning, Paul; and Kohlstette, Werner, to Westfalia Separator AG Self-emptying centrifuge drum. 4,810,374, 3-7-89, Cl. 210-104.000.

Bruning, Werner, to Alfred Fischbach KG Kunststoff-Spritzgußwer Mixing device for pasty multicomponent materials. 4,799,8 1-24-89, Cl. 366-255.000.

Bruning, Werner, to Alfred Fischbach KG. Cartridge for pasty mater als. 4,869,403, 9-26-89, Cl. 222-327.000.

Bruninga, Kenneth J.: *See—*

Fletcher, Douglas C.; and Bruninga, Kenneth J., 4,858,827, C 239-69.000.

Brunius, Robert E., to Interactive Technologies, Inc. Learn mod transmitter. 4,855,713, 8-8-89, Cl. 340-506.000.

Brunius, Robert E. Crystal controlled transmitter. 4,864,636, 9-5-89, C 455-118.000.

Brunk, John L., to Baytec, Inc. Multiple computer interface. 4,839,7 6-13-89, Cl. 364-200.000.

Brunkan, Wayne B. Hearing system. 4,877,027, 10-31-89, C 128-420.500.

Brunken, Gerd; Neugebauer, Dieter; and Rossmanek, Peter, to Ficht & Sachs AG. Fluid friction clutch. 4,809,833, 3-7-89, Cl. 192-58.0

Brunker, David L.: *See—*

Sampson, Stephen A.; Dambach, Philip J.; and Brunker, David L. 4,840,451, Cl. 350-96.200.

Brunkhorst, Heide: *See—*

Bickert, Waltraud; Brunkhorst, Heide; Gergely, Istvan; and Ost Wolfgang, 4,828,895, Cl. 428-65.000.

Brunn, Oswald. Folding furniture. 4,807,926, 2-28-89, Cl. 297-33.00

Brunnenmeyer, Dennis D., to Grass Valley Group, Inc., The. Backpl connector. 4,846,705, 7-11-89, Cl. 439-78.000.

Brunner, Adolf. Racket-stringing tester. 4,846,002, 7-11-89, C 73-862.470.

Brunner, Anton: *See—*

Postler, Gunter; Anacker, Lothar; Furst, Wilhelm; and Brun Anton, 4,848,235, Cl. 102-393.000.

Brunner, Dieter: *See—*

Werdecker, Waltraud; Brunner, Dieter; and Kutzner, Mar 4,818,626, Cl. 428-469.000.

Brunner, Engelbert; and Kaiser, Karl, to J. S. Staedtler GmbH & C Automatic pencil device for automatic drafting and writing m chines. 4,809,023, 2-28-89, Cl. 346-139.00R.

Brunner Engineering & Manufacturing Inc.: *See—*

Sloan, Mark D., 4,889,180, Cl. 165-30.000.

Brunner, Felix. Method of operating an autotypical color offset prin machine. 4,852,485, 8-1-89, Cl. 101-211.000.

Brunner, Hans-Georg, to Ciba-Geigy Corporation. Cyclohexenonec boxylic acid derivatives with herbicidal and plant growth regula properties. 4,797,152, 1-10-89, Cl. 71-118.000.

Brunner, Hans-Georg; and Muller, Urs, to Ciba-Geigy Corporation. Process for the preparation of cyclohexanedionecarboxylic acid derivatives. 4,803,268, 2-7-89, Cl. 544-58.400.

Brunner, Hans-Georg, to Ciba-Geigy Corporation. Cyclohexanediones and their use as plant growth regulators. 4,872,902, 10-10-89, Cl. 71-105.000.

Brunner, Hans-Georg: *See—*

Moser, Hans; Pissiotas, Georg; Brunner, Hans-Georg; Bohner, Beat; and Baumann, Marcus, 4,804,400, Cl. 71-95.000.

Zondler, Helmut; Eckhardt, Wolfgang; Nyfeler, Robert; and Brunner, Hans-Georg, 4,851,028, Cl. 71-76.000.

Brunner, Hans R.: *See—*

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Brunner, Helmut: *See—*

Lockhoff, Oswald; Hayauchi, Yutaka; Stadler, Peter; Stunkel, Klaus G.; Streissle, Gert; Paessens, Arnold; Klimetzek, Volker; Zeiler, Hans-Joachim; Metzger, Karl G.; Kroll, Hein-Peter; Brunner, Helmut; and Schaller, Klaus, 4,855,283, Cl. 514-8.000.

Brunner, Hubert: *See—*

Pertzsch, Albert; Brunner, Hubert; and Zeroni, Ludwig, 4,884,158, Cl. 360-132.000.

Brunner, Josef: *See—*

Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,802,716, Cl. 312-330.00R.

Rock, Erich; Brunner, Josef; and Hollenstein, Helmut, 4,804,239, Cl. 312-265.000.

Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,815,796, Cl. 312-263.000.

Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,815,798, Cl. 312-330.00R.

Rock, Erich; and Brunner, Josef, 4,848,860, Cl. 312-341.100.

Rock, Erich; and Brunner, Josef, 4,872,735, Cl. 312-342.000.

Brunner, Kurt; Fischer, Rudolf; and Giese, Klaus, to BBC Brown Boveri & Co., Ltd. Surge counter for an overvoltage arrester. 4,796,283, 1-3-89, Cl. 377-6.000.

Brunner, Matthias, to Siemens Aktiengesellschaft. Detector for charged particles. 4,831,267, 5-16-89, Cl. 250-397.000.

Brunner, Matthias, to Siemens Aktiengesellschaft. Method for testing conductor networks. 4,841,242, 6-20-89, Cl. 324-158.00R.

Brunner, Michael G.; and Calhoun, Gregory L., to Westinghouse Electric Corp. Tube protection device. 4,799,305, 1-24-89, Cl. 29-265.000.

Brunner, Mikael: *See—*

Axelsson, Carl L.; Brunner, Mikael; Kaufmann, Dan; and Torsell, Krister, 4,834,791, Cl. 75-26.000.

Brunner, Peter: *See—*

Greither, Otto; and Brunner, Peter, 4,851,252, Cl. 426-599.000.

Brunner, Reinhard, to Gesellschaft fur Messtechnik mbH. Process and apparatus for drying wood. 4,862,599, 9-5-89, Cl. 34-46.000.

Brunner, Rudolf, to Heilmeier and Weinlein Fabrik fur Oel-Hydraulik GmbH & Co. KG. Electromagnetically operable valve. 4,863,141, 9-5-89, Cl. 251-129.200.

Brunner, Rudolf; and Fichtenbeiner, Heiner, to Heilmeier & Weinlein, Fabrik fur Oel-Hydraulik GmbH & Co. KG. Hydraulic control device. 4,879,945, 11-14-89, Cl. 91-518.000.

Brunner, Terry C., Sr.: *See—*

Payne, H. Dwaine; and Brunner, Terry C., Sr., 4,852,288, Cl. 43-2.000.

Brunner, Wolfgang; and von Zech, Ludwig. System for measuring force distributions. 4,843,891, 7-4-89, Cl. 73-862.040.

Brunnett, Carl J.; and Mattson, Rodney A., to Picker International, Inc. Radiation detector. 4,870,667, 9-26-89, Cl. 378-19.000.

Brunnett, Donald; and Desai, Ashok K., to Brand Technologies. Method and apparatus for recording disk servo information with detachable position decoder. 4,831,470, 5-16-89, Cl. 360-75.000.

Brunninger, Manfred: *See—*

Theurer, Josef; and Brunninger, Manfred, 4,858,696, Cl. 171-16.000.

Bruno, Anthony B.; and Kasper, Rolf G. Underwater electromagnetic turbulent velocimeter. 4,848,146, 7-18-89, Cl. 73-181.000.

Bruno, Biaiach. Multi-articulated industrial robot with several degrees of freedom of movement. 4,854,808, 8-8-89, Cl. 414-680.000.

Bruno, Carlo M.: *See—*

Cacchietti, Flavio; and Bruno, Carlo M., 4,819,080, Cl. 324-83.00R.

Bruno, Edward C. Recloseable plastic bag having double thickness flap at openable end. 4,846,586, 7-11-89, Cl. 383-9.000.

Bruno, Frank L.; and Nordmann, Uwe H., to Ultimate Engineering, Ltd. Hydraulic leveling apparatus for recreational vehicle & the like. 4,815,711, 3-28-89, Cl. 254-423.000.

Bruno, John. Containment device for safely removing, storing and ultimately disposing of needles from hypodermic needle/syringe assemblies. 4,801,013, 1-31-89, Cl. 206-366.000.

Bruno, John. Container for storage and disposal of potentially injurious implements such as used scalpel blades, hypodermic needles and the like. 4,826,073, 5-2-89, Cl. 229-128.000.

Bruno, John. Receptacle assembly for storage and disposal of potentially injurious implements such as used scalpel blades, hypodermic needles and the like. 4,869,366, 9-26-89, Cl. 206-370.000.

Bruno, Joseph S.: *See—*

Vigo, Tyrone L.; Frost, Cynthia M.; Bruno, Joseph S.; and Danna, Gary F., 4,851,291, Cl. 428-393.000.

Bruno, Joseph W.; and Cacho-Negrete, Carlos, to Grumman Aerospace Corporation. Blow off panel for controlling hydrodynamic ram. 4,828,206, 5-9-89, Cl. 244-132.000.

Bruno, Kevin J.: *See—*

Sonnek, Christopher D.; and Bruno, Kevin J., 4,866,598, Cl. 364-200.000.

Bruno, Mueller, to Polytex Plastic SA. Scaffolding board formed from plastics materials, a method of producing same, and an apparatus for implementing the method. 4,852,691, 8-1-89, Cl. 182-222.000.

Bruno, Nick. Doctor blade assembly with rotary end seals and interchangeable heads. 4,821,672, 4-18-89, Cl. 118-261.000.

Bruno, Robert H.: *See—*

Jacober, Jeffrey M.; Macedo, Antone F., Jr.; and Bruno, Robert H., 4,805,898, Cl. 272-56.50R.

Bruno, Steven D. Target for bow and arrow. 4,813,684, 3-21-89, Cl. 273-403.000.

Bruno, William M.: *See—*

Bridges, William B.; and Bruno, William M., 4,800,350, Cl. 333-239.000.

Bruno, Zaramella: *See—*

Michele, Cardone; Angelo, Grandini; and Bruno, Zaramella, 4,837,540, Cl. 335-286.000.

Brunold, Colin R.; Dickens, Andrew W.; Hunns, Jeremy C. B.; Mackley, Malcolm R.; and Williams, Huw R., to National Research Development Corporation. Mixing apparatus and processes. 4,832,500, 5-23-89, Cl. 366-268.000.

Brunolli, Michael J., to Brooktree Corporation. System employing negative feedback for decreasing the response time of a cell. 4,813,023, 3-14-89, Cl. 365-207.000.

Bruns, Bernward: *See—*

Wrulich, Herwig; Weissensteiner, Hubert; and Bruns, Bernward, 4,884,848, Cl. 299-73.000.

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Loeblich, Karl-Richard; Bruns, Guenter; Zentgraf, Helmut; and Czaplinsky, Ernst, 4,848,675, Cl. 241-21.000.

Bruns, Joachim; Gosdowski, Gerhard; Kettner, Andreas; and Schwarze, Udo, to Robert Bosch GmbH. Robot joint with an electric drive motor. 4,816,955, 3-28-89, Cl. 361-1.000.

Bruns, Robert F.: *See—*

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,199, Cl. 514-411.000.

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,200, Cl. 514-418.000.

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,205, Cl. 514-456.000.

Carethers, Mary E.; Centenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,874,758, Cl. 514-226.500.

Bruns, Robert W.; and Kotval, Douglas, to Chapparral Communications. Guy system for parabolic reflecting antenna. 4,804,971, 2-14-89, Cl. 343-840.000.

Bruns, Wesley W. Combine head carrier for transport vehicle. 4,834,598, 5-30-89, Cl. 410-2.000.

Brunson, Welton K.: *See—*

Hubbard, Vance M.; and Brunson, Welton K., 4,798,199, Cl. 128-87.00R.

Hubbard, Vance M.; and Brunson, Welton K., 4,802,473, Cl. 128-206.190.

Hubbard, Vance M.; and Brunson, Welton K., 4,872,599, Cl. 224-208.000.

Brunst, Gerhard: *See—*

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Brunsvold, William R.; Conley, Willard E.; Jacobs, Scott L.; Mack, George L.; Merritt, David P.; and Uptmor, Ann M., to International Business Machines Corporation. Polyimide formulation for forming a patterned film on a substrate. 4,828,964, 5-9-89, Cl. 430-271.000.

Brunswick Corporation: *See—*

Alexander, Charles F., Jr.; and Gussert, David A., 4,832,630, Cl. 440-6.000.

Bankstahl, Herbert A.; and Newman, Neil A., 4,887,983, Cl. 440-57.000.

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Beavis, Glenn C.; and Hensel, Robert J., 4,856,483, Cl. 123-516.000.

Bertram, Francis; and Kiesling, Douglas A., 4,846,742, Cl. 440-61.000.

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Boda, James C.; and Slattery, Gordon C., 4,800,854, Cl. 123-195.00P.

Boda, James C., 4,805,482, Cl. 74-571.00M.

Boda, James C.; Baumhardt, Robert J.; and Heidel, Bruce A., 4,838,820, Cl. 440-87.000.

Boda, James C., 4,844,031, Cl. 123-195.00P.

Boda, James C., 4,846,300, Cl. 181-229.000.

Boda, James C.; and Slattery, Gordon C., 4,860,703, Cl. 123-195.00P.

Boda, James C.; and Slattery, Gordon C., 4,867,120, Cl. 123-195.00P.

Boda, James C.; and Slattery, Gordon C., 4,878,468, Cl. 123-195.00P.

Boede, Robert H., 4,875,656, Cl. 248-642.000.
Brim, Ted E., 4,834,378, Cl. 273-37.000.
Brim, Ted E., 4,834,379, Cl. 273-37.000.
Brim, Ted E., 4,834,380, Cl. 273-37.000.
Brim, Ted E., 4,834,381, Cl. 273-37.000.
Brim, Ted E., 4,884,806, Cl. 273-37.000.
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Castleman, Bruce W., 4,828,800, Cl. 422-83.000.
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Curtis, Mark D.; and Heidel, David, 4,871,333, Cl. 440-77.000.
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Donahue, Raymond J.; Hesterberg, William G.; and Cleary, Terrance M., 4,875,985, Cl. 204-64.00T.
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Field, Stanley R., 4,819,688, Cl. 137-493.600.
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Fitzner, Arthur O., 4,875,457, Cl. 123-633.000.
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Forsgren, Lyle M., 4,846,740, Cl. 440-53.000.
Garms, John F.; and Radtke, Norman H., 4,848,283, Cl. 123-73.0AD.
Garthwaite, Steven C., 4,873,951, Cl. 123-196.00W.
Gautraud, Michael G., 4,817,947, Cl. 273-37.000.
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Griffiths, John M., 4,836,812, Cl. 440-61.000.
Griffiths, John M.; Beck, Wayne T.; and Newman, Neil A., 4,861,292, Cl. 440-1.000.
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Hesterberg, William G., 4,888,213, Cl. 427-133.000.
Hetzel, Robert H.; and Konrad, Stephan R., 4,865,520, Cl. 416-236.00R.
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Karls, Michael A.; and Dutcher, James C., 4,832,639, Cl. 440-88.000.
Karls, Michael A., 4,832,640, Cl. 440-88.000.
Keller, Ronald E., 4,844,043, Cl. 123-516.000.
Kleinhans, Kenneth L., 4,803,963, Cl. 123-187.50R.
Kollmann, James D., 4,834,291, Cl. 239-408.000.
Kurz, Charles B., 4,815,050, Cl. 367-176.000.
Lang, William P., 4,794,888, Cl. 123-73.0SC.
Lefeber, Paul D., 4,820,214, Cl. 440-88.000.
Lindstedt, Dennis H., 4,866,934, Cl. 60-321.000.
Litjens, John J.; Griffiths, John M.; and Baumhardt, Robert J., 4,836,151, Cl. 123-65.00V.
Litjens, John J.; Griffiths, John M.; and Karls, Michael A., 4,842,559, Cl. 440-1.000.
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McCormick, Daniel F., 4,795,382, Cl. 440-81.000.
McCormick, Daniel F., 4,832,635, Cl. 440-78.000.
McCormick, Daniel F., 4,832,636, Cl. 440-80.000.
McCormick, Daniel F., 4,869,694, Cl. 440-83.000.
McCormick, Daniel F., 4,871,334, Cl. 440-89.000.
Meisenburg, Gary L., 4,869,121, Cl. 74-323.000.
Meisenburg, Gary L.; Bertram, Francis E.; and Golz, Jack L., 4,872,531, Cl. 184-6.400.
Meisenburg, Gary L., 4,872,860, Cl. 440-113.000.
Meisenburg, Gary L., 4,875,884, Cl. 440-88.000.
Morgan, Edward J.; and Corbett, William D., 4,883,110, Cl. 164-249.000.
Newman, Neil A.; Griffiths, John M.; and Beck, Wayne T., 4,813,897, Cl. 440-61.000.
Newman, Neil A., 4,817,566, Cl. 123-52.0MV.
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Newman, Neil A., 4,865,569, Cl. 440-53.000.
Newman, Neil A., 4,869,692, Cl. 440-75.000.
Newman, Neil A.; Bankstahl, Herbert A.; Griffiths, John M.; Forsgren, Lyle M.; and Beck, Wayne T., 4,872,857, Cl. 440-1.000.
Newman, Neil A.; and Bankstahl, Herbert A., 4,887,982, Cl. 440-81.000.
Newman, Neil A., 4,887,984, Cl. 440-86.000.
Phillips, George E., 4,836,802, Cl. 439-622.000.
Phillips, George E., 4,846,136, Cl. 123-556.000.
Probst, Harry C., 4,830,383, Cl. 277-12.000.
Puryear, John W., 4,830,308, Cl. 242-84.52B.
Radtke, Norman H., 4,815,427, Cl. 123-179.00G.
Riese, Stephen B., 4,836,152, Cl. 123-65.0EM.
Riese, Stephen B., 4,864,980, Cl. 123-65.0PE.
Ruhnke, Jeffrey P., 4,801,283, Cl. 440-88.000.
Sheaffer, Benjamin L., 4,844,025, Cl. 123-310.000.
Sheridan, Stephen E., 4,874,959, Cl. 290-1.00B.
Slattery, Gordon C., 4,821,688, Cl. 123-73.0AD.
Slattery, Gordon C., 4,826,459, Cl. 440-55.000.
Slattery, Gordon C.; Stageman, Ronald D.; and Garms, John F 4,846,118, Cl. 123-73.0AD.
Slattery, Gordon C., 4,875,883, Cl. 440-77.000.
Slattery, Gordon C., 4,876,993, Cl. 123-73.0AD.
Sleder, Richard L., 4,830,213, Cl. 220-203.000.
Snyder, Richard H., 4,843,990, Cl. 440-61.000.
Staerzl, Richard E., 4,840,148, Cl. 123-73.00A.
Widmer, Steven L.; Schrage, Robin J.; White, Jeffery L.; an Gundert, John H., 4,845,945, Cl. 60-310.000.
Widmer, Steven L.; Neisen, Gerald F.; Ruhnke, Jeffrey P.; Stefe Thomas J.; and Buchholz, Brian S., 4,865,004, Cl. 123-541.00
Widmer, Steven L.; Neisen, Gerald F.; Ruhnke, Jeffrey P.; Stefe Thomas J.; and Buchholz, Brian S., 4,875,439, Cl. 123-541.00
Wrasidlo, Wolfgang J.; Hofmann, Frieder K.; and DeWinter, Dn M., 4,853,128, Cl. 210-636.000.
Brunswick Valve & Control, Inc.: *See—*
  Abraham, William F., 4,858,481, Cl. 74-89.150.
  Abraham, William F., 4,889,002, Cl. 74-89.150.
Brunt, Charles D., Jr. Regulator safety valve. 4,840,199, 6-20-89, C 137-883.000.
Brunt, Keith D.: *See—*
  McLennan, John M.; Brunt, Keith D.; and Guthrie, Walte 4,820,428, Cl. 252-8.551.
Brunt, Roger V.: *See—*
  Volk, Andrew M.; Baucom, Terry L.; and Brunt, Roger 4,829,258, Cl. 328-155.000.
Brunton, Ellis W.; Haynes, Denver J.; and Ross, William M., Jr. Balanced Energy Company. Pelletization of low-titer 4,798,737, 1-17-89, Cl. 426-602.000.
Brunton, James L., to Aerion Industries, Inc. Feed efficiency impro ment composition. 4,879,115, 11-7-89, Cl. 424-694.000.
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  Latman, Neal S.; Kishore, Vimal; and Bruot, Brent C., 4,795, Cl. 514-182.000.
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  Bruce, Peter, 4,802,434, Cl. 114-294.000.
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Brupbacher, John M.; Christodoulou, Leontios; and Nagle, Dennis C. to Martin Marietta Corporation. Rapid solidification of metal-seco phase composites. 4,836,982, 6-6-89, Cl. 420-129.000.
Brupbacher, John M.: *See—*
  Christodoulou, Leontios; Nagle, Dennis C.; and Brupbacher, Jo M., 4,800,065, Cl. 420-129.000.
Brusadin, Giacomo, to Uniflex Utiltime S.p.A. Pulsating spra 4,813,606, 3-21-89, Cl. 239-230.000.
Brusasco, Enzo, to Roltra S.p.A. System for controlling vehicle pow window regulators. 4,801,812, 1-31-89, Cl. 307-10.00R.
Brusasco, Enzo, to Roltra S.p.A. Vehicle power brake syst 4,858,436, 8-22-89, Cl. 60-545.000.
Brusasco, Enzo, to Roltra S.p.A. Electrically-powered vehicle lo 4,872,714, 10-10-89, Cl. 292-201.000.
Brusasco, Enzo, to R.G.B. S.p.A. Vehicle power seat control syst 4,888,535, 12-19-89, Cl. 318-568.100.
Brusch, Josef; Hanni, Manfred; and Hechfellner, Kurt, to Siem Aktiengesellschaft. Method for jam-resistant communication tra mission. 4,843,612, 6-27-89, Cl. 375-1.000.
Bruschi, Enrico, to Heterochemical Corporation. Derivatives bas upon pyrido-menadione adducts and use thereof as feed prem 4,808,602, 2-28-89, Cl. 514-347.000.
Bruseghini, Leonida: *See—*
  Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Br seghini, Leonida; and Irrure, Jose P., 4,835,156, Cl. 514-255.0
  Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Br seghini, Leonida; and Irurre, Jose P., 4,835,179, Cl. 514-510.0
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Brush Fusegear Limited: *See—*
  Newbery, Percy G.; and Nurse, Nigel P. M., 4,839,625 337-166.000.
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  Howton, Kenneth D.; Stewart, Robert G.; and Zeitler, Herma 4,841,356, Cl. 337-248.000.
Brush, George W.; Strickland, Lee T.; Hon, David C.; Harding, Ro E.; and Sallis, Jane, to College of Aeronautics, The Trustees of th Audio visual instructional system. 4,867,685, 9-19-89, Cl. 434-234.0
Brush, John D., Jr.; and Beattie, Patrick J., to John D. Brush & Co., In Blow molding of double-walled box in diagonal halves. 4,805, 2-21-89, Cl. 29-434.000.
Brush, Richard K., to Ampex Corporation. Apparatus and method sync detection in digital data. 4,879,731, 11-7-89, Cl. 375-116.00
Brushtech, Inc.: *See—*
  Gunjian, Armen G., 4,819,291, Cl. 15-104.200.
Bruss, Elroy A. Toilet tissue dispenser. 4,836,462, 6-6-89, Cl. 242-55
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  Teller, Raymond G.; Brazdil, James F., Jr.; Bartek, Joseph P. Brussee, Ann M., 4,795,848, Cl. 585-500.000.

Brust, Bernard: *See—*
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Brust, Hans-Detlef, to Siemens Aktiengesellschaft. Method and arrangement for detecting secondary particles triggered on a specimen by a primary particle beam. 4,803,357, 2-7-89, Cl. 250-310.000.
Brust, Hans-Detlef; and Otto, Johann, to Siemens Aktiengesellschaft. Method and apparatus for operating a scanning microscope. 4,812,748, 3-14-89, Cl. 324-158.00R.
Brust, Hans-Detlef. Measurement processing arrangement. 4,831,328, 5-16-89, Cl. 324-158.00R.
Brust, Hans-Detlef, to Siemens Aktiengesellschaft. Method and apparatus for detecting and imaging a voltage signal of at least one specific frequency at a measuring location. 4,853,622, 8-1-89, Cl. 324-158.00R.
Brust, Hans-Detlef, to Siemens Aktiengesellschaft. Method and apparatus for detecting and imaging measuring points that have a defined signal progression. 4,887,031, 12-12-89, Cl. 324-158.00R.
Brust, Paul F.: *See—*
  Stroman, David W.; Brust, Paul F.; Ellis, Steven B.; Gingeras, Thomas R.; Harpold, Michael M.; and Tschopp, Juerg F., 4,808,537, Cl. 435-6.000.
  Stroman, David W.; Brust, Paul F.; Ellis, Steven B.; Gingeras, Thomas R.; Harpold, Michael M.; and Tschopp, Juerg F., 4,855,231, Cl. 435-68.000.
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  Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, 4,800,622, Cl. 16-240.000.
  Rock, Erich; and Brustle, Klaus, 4,832,420, Cl. 312-263.000.
  Rock, Erich; and Brustle, Klaus, 4,846,538, Cl. 312-263.000.
  Rock, Erich; Brustle, Klaus; and Rupprechter, Helmut, 4,850,080, Cl. 16-236.000.
  Rock, Erich; and Brustle, Klaus, 4,850,659, Cl. 312-263.000.
  Rock, Erich; and Brustle, Klaus, 4,874,212, Cl. 312-330.100.
  Rock, Erich; and Brustle, Klaus, 4,875,746, Cl. 312-330.100.
  Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, 4,882,808, Cl. 16-240.000.
  Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, 4,888,853, Cl. 16-240.000.
Brustrom, Bertil. Device for anchoring in and/or reinforcing hard materials. 4,826,358, 5-2-89, Cl. 405-259.000.
Brutsch, Emil, to Sandoz Ltd. Package. 4,884,693, 12-5-89, Cl. 206-470.000.
Bruun, Dieter; Dietz, Wolfgang; Muller, Klaus-Jurgen; and Reynvaan, Conrad H. H., to Deutsche Carbone Aktiengesellschaft. Electrolytic process. 4,806,224, 2-21-89, Cl. 204-222.000.
Bruya, James E. Soil decontamination method. 4,841,998, 6-27-89, Cl. 134-10.000.
Bruyere, Alain: *See—*
  Bompard, Bruno; Debaille, Christian; and Bruyere, Alain, 4,889,063, Cl. 112-402.000.
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  Bourin, Jean-Michael; Bruyere, Michel; and Rousseau, Isaac, 4,842,805, Cl. 376-215.000.
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  Lalonde, Eugene L.; Bruynesteyn, Michael R.; and Unger, Thomas M., 4,886,607, Cl. 210-739.000.
Bruza, Kenneth J.; and Kirchhoff, Robert A., to Dow Chemical Company, The. Cyclobutarene ketoaniline monomeric and polymeric compositions. 4,795,827, 1-3-89, Cl. 564-329.000.
Bruza, Kenneth J.; and Kirchhoff, Robert A., to Dow Chemical Company, The. Cyclobutarene ketoaniline monomeric and polymeric compositions. 4,825,001, 4-25-89, Cl. 564-328.000.
Bruzzese, Tiberio: *See—*
  Dell'Acqua, Ernani; Bruzzese, Tiberio; and Van Den Heuvel, Holger H., 4,810,508, Cl. 426-34.000.
Bryan, Avron I. Ion measuring apparatus and monitoring system. 4,822,456, 4-18-89, Cl. 204-1.00T.
Bryan, David E.; Dudding, Carl M.; and Martin, John W., to Gala Industries, Inc. Sight glass apparatus. 4,888,990, 12-26-89, Cl. 73-326.000.
Bryan, James S.: *See—*
  Rush, James B.; Bryan, James S.; Gunter, Jonas L.; Dillard, Guy W.; Meadows, Roger D.; and Henry, Pearison W., 4,887,851, Cl. 285-158.000.
Bryan, Teresa H., to Phillips Petroleum Company. Method of shaping an extrusion die. 4,869,862, 9-26-89, Cl. 264-541.000.
Bryan, Thomas T., to Minnesota Mining and Manufacturing Company. Method for thermoset-thermoplastic molded article. 4,850,871, 7-25-89, Cl. 433-213.000.
Bryan, Thomas T., to Minnesota Mining and Manufacturing Company. Hand-held device for curing a dental restorative material. 4,888,489, 12-19-89, Cl. 250-504.00H.
Bryan, Thomas T.: *See—*
  Dzik, Michael M.; and Bryan, Thomas T., 4,854,875, Cl. 433-213.000.
Bryan, William J.; and Lichtenberger, Harold V., to Combustion Engineering, Inc. Lower end fitting debris collector. 4,832,905, 5-23-89, Cl. 376-352.000.
Bryan, William J.; and Fuhrman, Nathan, to Combustion Engineering, Inc. Alloy coated fuel cladding. 4,880,597, 11-14-89, Cl. 376-419.000.
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Bryan, William J.: *See—*
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Bryan, Wlliam J.: *See—*
  Fuhrman, Nathan; and Bryan, Wlliam J., 4,824,634, Cl. 376-419.000.
Bryanos, James C., to Avco Corporation. Quadridge antenna for space vehicle. 4,811,028, 3-7-89, Cl. 343-786.000.
Bryant, Anthony J.; Field, David J.; and Butler, Ernest P., to Alcan International Limited. Al-Mg-Si extrusion alloy and method. 4,861,389, 8-29-89, Cl. 148-3.000.
Bryant, Charles B. Telescopic belt tightener. 4,803,804, 2-14-89, Cl. 474-113.000.
Bryant, Charles P.: *See—*
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Bryant, Clifford A., to WestPoint Pepperell, Inc. Method and apparatus for applying a random speckled dye pattern to carpet material and the like. 4,803,746, 2-14-89, Cl. 8-151.000.
Bryant, David M. T.: *See—*
  Tang, Wai-Cheung; Cameron, Richard J.; and Bryant, David M. T., 4,881,051, Cl. 333-208.000.
Bryant, David R.; Kochte, Werner W.; and Trombly, Edward E., to Scott Fetzer Company, The. Three-way opener. 4,846,024, 7-11-89, Cl. 81-3.090.
Bryant, David R.: *See—*
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  Maher, John M.; Billig, Ernst; and Bryant, David R., 4,835,299, Cl. 556-85.000.
  Miller, David J.; Bryant, David R.; Billig, Ernst; and Shaw, Bernard L., 4,861,918, Cl. 568-454.000.
Bryant, David V.; and Neese, David A., to Advanced Matrix Technology, Inc. Line printer panel and control system. 4,846,597, 7-11-89, Cl. 400-472.000.
Bryant, Frank R.; and Liou, Fu-Tai, to SGS-Thomson Microelectronics, Inc. Method for forming a non-planar structure on the surface of a semiconductor substrate. 4,863,562, 9-5-89, Cl. 156-649.000.
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  Hibbard, Billy B.; Mann, Joe A.; Koeleveld, Frans P. P.; Potepan, Agnes K.; White, Richard E.; Knight, Barry T.; and Bryant, Howard H., 4,837,281, Cl. 525-234.000.
Bryant, James A., to Jabco Manufacturing, Inc. Disinfectant formulation and method of use. 4,797,420, 1-10-89, Cl. 514-643.000.
Bryant, James G.; and Hayden, Ronald G., to F.H. & H. Limited. Grass clipping catcher. 4,819,417, 4-11-89, Cl. 56-202.000.
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Bryant, Jimmy L. High speed icemaker. 4,881,378, 11-21-89, Cl. 62-348.000.
Bryant, Kenneth G., to Conductex, Inc. Knitted fabric having improved electrical charge dissipation properties. 4,815,299, 3-28-89, Cl. 66-202.000.
Bryant, Kenneth G., to Conductex, Inc. Knitted fabric having improved electrical charge dissipation and absorption properties. 4,856,299, 8-15-89, Cl. 66-202.000.
Bryant, Kenneth W. Edge routing cutter. 4,806,050, 2-21-89, Cl. 408-203.500.
Bryant, Raymond A.; Gill, Beresford R.; Garrett, Stephen J.; and Bale, Christopher R., to Imperial Tobacco Limited. Apparatus for making cigarettes. 4,832,056, 5-23-89, Cl. 131-58.000.
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- Bryant, William R.: *See—*
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- Bryce, David W.: *See—*
  - Hovanic, Steven F.; and Bryce, David W., 4,882,456, Cl. 200-43.150.
- Bryce Jones: *See—*
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- Bryce, Kenneth L.: *See—*
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- Bryce Office Systems, Inc.: *See—*
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- Bryce, William W.: *See—*
  - McDavid, William T.; and Bryce, William W., 4,868,795, Cl. 367-77.000.
- Bryden, Norman E.; and Johnson, Philip B. Multi-compartment receptacle for individually packaging and dispensing pairs of gloves for use by health care or emergency rescue personnel. 4,852,783, 8-1-89, Cl. 224-253.000.
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- Brylla, Arnold; and Flink, Roger J. Building and garden edging. 4,809,459, 3-7-89, Cl. 47-33.000.
- Bryna Pty. Ltd.: *See—*
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- Bryndza, Henry E., to Du Pont de Nemours, E. I., and Company. Acceleration of diene hydrocyanation. 4,810,815, 3-7-89, Cl. 558-338.000.
- Bryne, John V.; and McMullin, Francis, to Kollmorgen Corporation. Transducers for hostile environments. 4,887,465, 12-19-89, Cl. 73-313.000.
- Bryniarski, David A.; and Grosz, Edward G., to Mobil Oil Corporation. Method and apparatus for making non-roping thermoplastic draw tape for thermoplastic bags. 4,822,437, 4-18-89, Cl. 156-252.000.
- Bryniarski, David A.; and Hollenbeck, Robert E., to Mobil Oil Corporation. Rotary heat sealing method and apparatus. 4,854,983, 8-8-89, Cl. 56-70.000.
- Brynsvold, Glen V.; Lopez, John T.; Olich, Eugene E.; and West, Calvin W., to General Electric Company. Submersible sodium pump. 4,882,514, 11-21-89, Cl. 310-208.000.
- Brynsvold, Glen V.: *See—*
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- Brysbaert, Jean M.; and Vautrain, Alain, to Usinor Aciers. Removable tunnel for maintaining the temperature of a product hot rolled in a continuous rolling train. 4,803,864, 2-14-89, Cl. 72-202.000.
- Bryson, Eric C. Side kick machine. 4,807,871, 2-28-89, Cl. 272-76.000.
- Bryson, Linda L.: *See—*
  - Bryson, Ronald D.; and Bryson, Linda L., 4,871,074, Cl. 211-13.000.
- Bryson, Ronald D.; and Bryson, Linda L. Hair appliance organizer. 4,871,074, 10-3-89, Cl. 211-13.000.
- Brytus, Vincent; and Payne, Kenneth L., to Ciba-Geigy Corporation. Co-advanced resins from copolymers of polyethers of polyhydric phenols and diglycidyl ethers of di-secondary alcohols. 4,845,172, 7-4-89, Cl. 525-481.000.
- Bryzek, Janusz: *See—*
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- Bryzik, W.: *See—*
  - Kamo, Roy; Woods, Melvin E.; and Bryzik, W., 4,852,542, Cl. 123-668.000.
- Brzezowski, Edward H.: *See—*
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- Brzozowska-Janiak, Teresa: *See—*
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- Brzozowski, Marek: *See—*
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- Brzozowski, Steven J., to General Electric Company. Hydraulically actuated cryogenic leads. 4,813,244, 3-21-89, Cl. 62-514.00R.
- BS&B Safety Systems, Inc.: *See—*
  - Albracht, Karl L.; and Walker, William J., 4,838,447, Cl. 220-89.00A.
  - Kadakia, Dixit B.; and Wright, Wayne V., 4,819,823, Cl. 220-89.00A.
- BSA Guns (UK) Limited: *See—*
  - Wackrow, Roger D.; and Jones, Harold C., 4,881,517, Cl. 124-65.000.
  - Wackrow, Roger D., 4,883,042, Cl. 124-67.000.
- BSD Medical Corporation: *See—*
  - Turner, Paul F., 4,798,215, Cl. 128-804.000.
  - Turner, Paul F., 4,860,752, Cl. 128-422.000.
- BSRD Limited: *See—*
  - Meyer, Rudolph; and Specht, Martin, 4,796,918, Cl. 280-806.000.
- BT&D Technologies, Ltd.: *See—*
  - Hamerslag, James D.; and Musk, Robert W., 4,854,659, C 350-96.150.
- BT Industries AB: *See—*
  - Johansson, Lennart, 4,878,798, Cl. 414-280.000.
- BT Telecom, Inc.: *See—*
  - Sheffer, Eliezer A., 4,868,859, Cl. 379-39.000.
- BTG Kalle Inventing AB: *See—*
  - Skalen, Bengt, 4,860,576, Cl. 73-59.000.
- BTM Corporation: *See—*
  - Sawdon, Edwin G., 4,878,284, Cl. 29-243.530.
- BTR Engineering (Australia) Limited: *See—*
  - Wilfinger, Erich L.; Polomski, Ronald J.; and Firth, Darren L. 4,838,126, Cl. 74-869.000.
- BTR plc: *See—*
  - Best, Anthony; Bethell, David M.; and Hoole, Raymond, 4,869,4 Cl. 267-136.000.
- BTS Broadcast Television Systems GmbH: *See—*
  - Eisenberg, Gerd, 4,874,994, Cl. 318-257.000.
  - Hess, Andreas; Klink, Jurgen; and Zimmermann, Friedri 4,829,382, Cl. 358-228.000.
  - Poetsch, Dieter, 4,875,102, Cl. 358-214.000.
  - Wischermann, Gerhard; and Richter, Hans-Peter, 4,855,826, C 358-139.000.
- BTU Engineering Corporation: *See—*
  - Fisher, Daniel J., Jr., 4,872,799, Cl. 414-180.000.
  - Simson, Morris; Fabricius, John H.; Browne, Ronnie; Waug Arthur; Sarkozy, Robert F.; and Lai, Chiu K. S., 4,854,26 C 118-728.000.
  - Waugh, Arthur, 4,802,441, Cl. 118-666.000.
  - Waugh, Arthur; and Orbeck, Gary A., 4,829,282, Cl. 338-29.00
- Buazza, Omar M.: *See—*
  - Lipscomb, N. Thornton; and Buazza, Omar M., 4,879,318, C 522-42.000.
- Buban, Tamas: *See—*
  - Matolcsy, Gyorgry; Kerekes, Gyula; Buban, Tamas; Vasarhe Endre; Kovacs nee Kalman, Magda; Belai, Ivan; and Gere Aniko, nee Komaromy, 4,846,883, Cl. 71-106.000.
- Bubat, Alfred: *See—*
  - Haubennestel, Karlheinz; and Bubat, Alfred, 4,812,518, C 525-100.000.
- Bubeck, Robert A.; Clipper, Robert B.; and Henton, David E., to Do Chemical Company, The. ABS Compositions having trimodal rubbe particle distributions. 4,874,815, 10-17-89, Cl. 525-71.000.
- Bubello, Robert; and Ream, Jeffrey L., to United Technologies Corporation. Ventilation system for a nacelle. 4,825,644, 5-2-89, C 60-39.091.
- Bubernak, John. Hanger for a wall covering. 4,805,330, 2-21-89, C 40-617.000.
- Bubie, Walter C.: *See—*
  - Cosentino, Patrick A.; Snea, Amy L.; Haefner, Michael E.; Zege Douglas V.; Murphy, Thomas E.; and Bubie, Walter C 4,866,638, Cl. 364-521.000.
- Bubien, Ray, to Arma, Inc. Packed transportable furniture. 4,881,7 11-21-89, Cl. 297-442.000.
- Bubik, Alfred: *See—*
  - Weisshuhn, Elmer; Bubik, Alfred; Dahl, Hans; Holik, Herbe Kurtz, Rudiger; Zembrot, Anton; Stotz, Wolf-Gunter; Seib Werner; and Trondle, Robert, 4,888,094, Cl. 162-198.000.
- Bubik, Leslie, to Vulcan Equipment Company. Vehicle transport apparatus. 4,795,303, 1-3-89, Cl. 414-478.000.
- Bubik, Leslie, to Vulcan Equipment Company. Towing apparat 4,798,509, 1-17-89, Cl. 414-563.000.
- Bubik, Leslie, to Vulcan Equipment Company. Low profile vehic lifting and towing device. 4,874,285, 10-17-89, Cl. 414-563.000.
- Bubley, Henry J., to American Screen Printing Equipment Compa Adjustable squeegee apparatus. 4,841,854, 6-27-89, Cl. 101-123.00
- Bubley, Henry J., to American Screen Printing Equipment Compa Press with automatic sheet transport mechanism. 4,879,948, 11-14- Cl. 101-114.000.
- Bubliewicz, Leszek, to Southern Steel Company. Security hinge ut ing concealed radiative sensing to detect hinge position. 4,841,2 6-20-89, Cl. 340-545.000.
- Bublik, Eugene P.; and Sartowski, Zbigniew, to Allied Colloids Li Grinding method. 4,861,349, 8-29-89, Cl. 51-293.000.
- Bubolz, Petra: *See—*
  - Borchers, Jurgen; and Bubolz, Petra, 4,874,811, Cl. 524-516.00
- Bucar, Matjaz: *See—*
  - Sorg, Helmut; and Bucar, Matjaz, 4,836,841, Cl. 65-347.000.
- Bucaro, Russell J. Kit for home use detection of cervical and vagi cancer. 4,862,899, 9-5-89, Cl. 128-749.000.
- Buccafuri, Anthony F.: *See—*
  - Burns, Donald A.; and Buccafuri, Anthony F., 4,826,775, C 436-179.000.
- Buccellato, Robert J.: *See—*
  - Auyer, Richard A.; Buccellato, Robert J.; Petrick, Ernest N.; a Sridharan, Needangalam S., 4,835,033, Cl. 428-131.000.
- Bucci, Andrew A.: *See—*
  - Cavaca, Roger, 4,802,358, Cl. 72-308.000.
- Bucci, Donald P.: *See—*
  - Berrettini, Bruce J.; Bucci, Donald P.; and Hollopeter, Roy 4,805,672, Cl. 141-5.000.
- Bucci, George H., to Whitehead Engineered Products, Inc. In-tank pump assembly for fuel-injected engines. 4,860,714, 8-29-89 123-514.000.

- Bucci, George H., to Whitehead Engineered Products, Inc. System for controlling the release of fuel vapors from a vehicle fuel tank. 4,874,020, 10-17-89, Cl. 141-59.000.
- Bucci, George H., to Whitehead Engineered Products, Inc. System for controlling the release of fuel vapors from a vehicle fuel tank. 4,887,652, 12-19-89, Cl. 141-59.000.
- Buccicone, Dana F.: *See—*
  - Iqbal, Muhammad; and Buccicone, Dana F., 4,821,765, Cl. 137-270.000.
- Buccola, Charles; and Kolb, Lawrence M., to Napco Security Systems, Inc. Fault detection in combination intrusion detection systems. 4,833,450, 5-23-89, Cl. 340-506.000.
- Buch, Elmar; Greff, Jurgen; Marzinkewitsch, Rene; and Vogelgesang, Herbert, to Fried. Krupp Gesellschaft mit Beschrankter Haftung. Dividing gear unit for a roll block. 4,807,458, 2-28-89, Cl. 72-235.000.
- Buch, Holger M.: *See—*
  - Springer, Hartmut; Kuhn, Manfred; and Buch, Holger M., 4,873,320, Cl. 534-632.000.
- Buch, Lawrence H.: *See—*
  - Baltusis, Paul A.; Buch, Lawrence H.; Holcomb, Richard S.; Kurdziel, Leonard J.; and Rein, Gerald W., 4,823,266, Cl. 364-424.100.
- Buch, Mark J.: *See—*
  - French, Ronald L.; Smith, Ronald E.; and Buch, Mark J., 4,844,072, Cl. 128-400.000.
- Buchacher, Daniel A., to Boeing Company, The. Composite member with integrated thermal protection. 4,801,496, 1-31-89, Cl. 428-285.000.
- Buchal, Christopher J.: *See—*
  - Appleton, Bill R.; Ashley, Paul R.; and Buchal, Christopher J., 4,840,816, Cl. 427-38.000.
- Buchan, Alexander: *See—*
  - Skinner, Gordon R. B.; and Buchan, Alexander, 4,816,250, Cl. 424-89.000.
  - Skinner, Gordon R. B.; and Buchan, Alexander, 4,857,463, Cl. 435-235.000.
- Buchan, Leon, to Control Chemicals (Proprietary) Limited. Treatment of liquids. 4,842,729, 6-27-89, Cl. 210-198.100.
- Buchan, Robert E. Electric water heater analyzer. 4,833,398, 5-23-89, Cl. 324-73.00R.
- Buchan, Stuart H.; Ehrlich, Robert; Trygstad, Joyce C.; and Wardlaw, Norman C., to Standard Oil Company, The. Method of making a rock-pore micromodel involving generation of an accurate and reliable template image of an actual reservoir rock pore system. 4,882,763, 11-21-89, Cl. 382-1.000.
- Buchanan, Douglas A.; Callegari, Alessandro C.; Hoh, Peter D.; and Lacey, Dianne L., to International Business Machines Corporation. Method for passivating a compound semiconductor surface and device having improved semiconductor-insulator interface. 4,859,253, 8-22-89, Cl. 148-33.300.
- Buchanan, Frankie P.: *See—*
  - Kollanyi, Miklos J.; and Buchanan, Frankie P., 4,809,286, Cl. 372-38.000.
- Buchanan, George: *See—*
  - Szdzepanek, Andre; and Buchanan, George, 4,884,286, Cl. 375-118.000.
- Buchanan, H. Charles, Jr.; and Wainwright, Richard E., to General Motors Corporation. Vehicle window wiper with dual pause. 4,823,058, 4-18-89, Cl. 318-443.000.
- Buchanan, J. Michael: *See—*
  - Bergman, Robert G.; Buchanan, J. Michael; Stryker, Jeffrey M.; and Wax, Michael J., 4,849,534, Cl. 556-23.000.
- Buchanan, John M.: *See—*
  - Begley, William J.; Carmody, Michael J.; and Buchanan, John M., 4,847,185, Cl. 430-376.000.
  - Begley, William J.; Carmody, Michael J.; and Buchanan, John M., 4,857,440, Cl. 430-382.000.
- Buchanan, Joseph R.: *See—*
  - Mitchell, Richard A.; and Buchanan, Joseph R., 4,798,223, Cl. 137-312.000.
- Buchanan, L. Stephen. Anti-curvature dental root canal shaping file. 4,836,780, 6-6-89, Cl. 433-102.000.
- Buchanan, Max F.: *See—*
  - Sullivan, Robert W.; Holder, Tommie J.; and Buchanan, Max F., 4,867,107, Cl. 123-43.00A.
- Buchanan, Michael E.: *See—*
  - Kerr, Howard T.; Buchanan, Michael E.; and Valentine, Kenneth H., 4,876,721, Cl. 358-56.000.
- Buchanan, Michael S.; Davis, Gregory B.; and Greenhouse, Walter V. V., to Wm. T. Burnett & Co., Inc. Polyurethane foams containing organofunctional silanes. 4,839,393, 6-13-89, Cl. 521-51.000.
- Buchanan, Michelle V.: *See—*
  - Wise, Marcus B.; and Buchanan, Michelle V., 4,879,472, Cl. 250-379.000.
- Buchanan, Nigel; and Brodie, John, to Buchanan, Nigel. Fluid system bleeding apparatus. 4,842,107, 6-27-89, Cl. 188-352.000.
- Buchanan, Randall C.: *See—*
  - Peters, William F.; and Buchanan, Randall C., 4,798,171, Cl. 119-15.000.
- Buchanan, Robert C.: *See—*
  - Aldrich, Donald C.; Buchanan, Robert C.; and Sollinger, John F., 4,846,908, Cl. 156-148.000.
- Buchanan, Ronnie J., to Halliburton Company. Thermomechanical electrical generator/power supply for a downhole tool. 4,805,407, 2-21-89, Cl. 60-517.000.
- Buchanan, Scott, to Biomagnetic Technologies, Inc. Nonimmersive cryogenic cooler. 4,872,321, 10-10-89, Cl. 62-51.100.
- Buchanan, Steven O., to Dwyer Instruments, Inc. Target fluid flow indicator gauge. 4,841,782, 6-27-89, Cl. 73-861.740.
- Buchanan, Stuart W.: *See—*
  - Mann, Brian M.; and Buchanan, Stuart W., 4,825,870, Cl. 128-419.0PG.
- Buchanan, Vernon R. Agricultural and construction utility blade. 4,821,810, 4-18-89, Cl. 172-197.000.
- Buchanan, William J. Method and apparatus for percutaneous fracture reduction and fixation. 4,823,781, 4-25-89, Cl. 128-92.00Z.
- Buchanan, William J.: *See—*
  - Beamer, Henry E.; and Buchanan, William J., 4,881,594, Cl. 165-173.000.
- Buchanan, William W., to Tescor, Inc. Re-usable test booklet. 4,815,766, 3-28-89, Cl. 281-26.000.
- Buchberger, Gregory: *See—*
  - Theis, Peter F.; and Buchberger, Gregory, 4,856,050, Cl. 379-68.000.
- Buchbinder, Maurice; Solar, Ronald J.; and Roucher, Leo, to Medtronic Versaflex, Inc. Steerable guidewire with deflectable tip. 4,813,434, 3-21-89, Cl. 128-772.000.
- Buchbinder, Maurice; Solar, Ronald J.; and Roucher, Leo, to Medtronic Versaflex, Inc. Steerable guidewire with deflectable tip. 4,815,478, 3-28-89, Cl. 128-772.000.
- Buchecker, Richard; Fromm, Hans-Jurgen; Kelly, Stephen; and Schadt, Martin, to Hoffmann-La Roche Inc. Liquid crystalline esters. 4,830,470, 5-16-89, Cl. 350-350.00S.
- Buchel, Karl H.: *See—*
  - Elbe, Hans-Ludwig; Jautelat, Manfred; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,798,899, Cl. 548-262.000.
  - Elbe, Hans-Ludwig; Stetter, Jorg; Buchel, Karl H.; Schaller, Klaus; and Plempel, Manfred, 4,806,559, Cl. 514-383.000.
  - Elbe, Hans-Ludwig; Holmwood, Graham; Regel, Erick; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,870,092, Cl. 514-383.000.
  - Elbe, Hans-Ludwig; Buchel, Karl H.; Schaller, Klaus; and Plempel, Manfred, 4,879,385, Cl. 514-383.000.
  - Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Paul, Volker, 4,797,499, Cl. 549-559.000.
  - Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,843,088, Cl. 514-383.000.
  - Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; and Plempel, Manfred, 4,843,089, Cl. 514-383.000.
  - Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Lurssen, Klaus, 4,868,196, Cl. 514-383.000.
  - Holmwood, Graham; Buchel, Karl H.; Plempel, Manfred; and Haller, Ingo, 4,870,093, Cl. 514-383.000.
  - Holmwood, Graham; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; and Brandes, Wilhelm, 4,871,390, Cl. 71-92.000.
  - Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.
  - Knops, Hans-Joachim; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; and Reinecke, Paul, 4,797,412, Cl. 514-383.000.
  - Kramer, Wolfgang; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,847,278, Cl. 514-383.000.
  - Lantzsch, Reinhard; Ditgens, Klaus; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,818,762, Cl. 514-383.000.
  - Regel, Erik; Bockmann, Klaus; Buchel, Karl H.; Lurssen, Klaus; Brandes, Wilhelm; Konze, Jorg; and Reinecke, Paul, 4,875,928, Cl. 71-92.000.
- Buchele-Buecher, Sigfrid, to Rheinmetall GmbH. Device for the limitation of gas pressure in a combustion chamber provided inside a projectile. 4,803,925, 2-14-89, Cl. 102-381.000.
- Buchele, Peter, to Hofer, Josef. Embroidery machine device for attaching ribbons on a fabric background. 4,867,081, 9-19-89, Cl. 112-83.000.
- Buchele, William N., to Sequence Incorporated. Fiso sampling system. 4,833,445, 5-23-89, Cl. 341-118.000.
- Buchelmaier, Hans-Joachim: *See—*
  - Haas, Roland; Mause, Elmar; Buchelmaier, Hans-Joachim; and Brandenstein, Manfred, 4,865,469, Cl. 384-478.000.
- Bucheli, Benno, to Schatzmayr, Dieter. Lifting engine for VTOL aircrafts. 4,796,836, 1-10-89, Cl. 244-23.00R.
- Buchen, Shelley: *See—*
  - Kaufman, Herbert E.; Knight, Patricia M.; and Buchen, Shelley, 4,860,885, Cl. 206-5.100.
- Bucher, Bradley A.; Jefferies, Jesse H.; and Templet, Harold P., to Gulf Coast Performance Chemical, Inc. Method of preventing corrosion by contaminated cooling tower waters. 4,867,944, 9-19-89, Cl. 422-15.000.
- Bucher, Claude; and Lagabe, Andre, to Pont-A-Mousson S.A. Packing for telescopically locked pipe joints. 4,848,805, 7-18-89, Cl. 285-105.000.
- Bucher, George D., to Westinghouse Electric Corp. Multi-tier load fixture for a top-loading furnace. 4,815,971, 3-28-89, Cl. 432-239.000.
- Bucher, George D.; DiGrande, John T.; Frye, Lester C.; and Stoutamire, Mark S., to Westinghouse Electric Corp. Robot gripper mechanism and method for sampling nuclear fuel pellets. 4,830,565, 5-16-89, Cl. 414-416.000.
- Bucher, George D.: *See—*
  - McGeary, Robert K.; and Bucher, George D., 4,865,804, Cl. 376-451.000.

Bucher-Guyer AG: *See—*
Amstutz, Jean-Pierre, 4,799,352, Cl. 56-364.000.

Bucher, Heinz, to Metronic Electronic GmbH. Control device for an air turbulence massage device. 4,876,752, 10-31-89, Cl. 4-542.000.

Bucher, Heinz, to Metronic Electronic GmbH. Air turbulence massage device. 4,876,753, 10-31-89, Cl. 4-542.000.

Bucher, John C., Sr.; and Wu, Shih T., to Chien Luen Industries Co., Ltd., Inc. Rubber flywheel for ceiling fans. 4,850,799, 7-25-89, Cl. 416-134.00R.

Bucher, Lloyd K.: *See—*
Dayton, David R.; Bucher, Lloyd K.; and Buck, Richard M., 4,864,185, Cl. 313-318.000.

Bucher, Michael S.; Russo, Paul J.; and Schaar, Robert J., to Procter & Gamble Company, The. Method for removing precipitated calcium citrate from juice pasteurization or sterilization equipment. 4,872,919, 10-10-89, Cl. 134-3.000.

Bucher, Robert, to Sulzer Brothers Limited. Weft yarn store for a loom. 4,799,517, 1-24-89, Cl. 139-452.000.

Bucher, Robert; and Lincke, Paul, to Sulzer Brothers Limited. Weft yarn store for a loom. 4,811,762, 3-14-89, Cl. 139-452.000.

Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, to Siemens Aktiengesellschaft. Reciprocating pump for a medication administering device. 4,808,089, 2-28-89, Cl. 417-417.000.

Buchholtz, Gerhard: *See—*
Franetzki, Manfred; Geisselbrecht, Georg; Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,883,467, Cl. 604-152.000.

Buchholtz, Jochen: *See—*
Hartmann, Werner; Dolata, Hans; and Buchholtz, Jochen, 4,841,824, Cl. 83-820.000.

Buchholz, Brian S.: *See—*
Widmer, Steven L.; Neisen, Gerald F.; Ruhnke, Jeffrey P.; Steffes, Thomas J.; and Buchholz, Brian S., 4,865,004, Cl. 123-541.000.
Widmer, Steven L.; Neisen, Gerald F.; Ruhnke, Jeffrey P.; Steffes, Thomas J.; and Buchholz, Brian S., 4,875,439, Cl. 123-541.000.

Buchholz, Fredric L., to Dow Chemical Company, The. Sodium thiosulfate as part of a redox initiator system for the polymerization of water-swellable polymers. 4,861,849, 8-29-89, Cl. 526-230.000.

Buchholz, Jeffrey C.: *See—*
McCarthy, Jon J.; Fairing, John D.; and Buchholz, Jeffrey C., 4,802,748, Cl. 350-507.000.

Buchholz, Wilhelm H.: *See—*
Detert, Ernst-Rolf; Buchholz, Wilhelm H.; and Gerlach-Meinders, Klaus, 4,832,791, Cl. 162-99.000.

Buchi, George H.: *See—*
Ruttimann, August; and Buchi, George H., 4,853,156, Cl. 260-396.00R.

Buchko, Matthew T.: *See—*
Shaubach, Robert M.; Dussinger, Peter M.; and Buchko, Matthew T., 4,815,528, Cl. 165-104.260.
Shaubach, Robert M.; Dussinger, Peter; and Buchko, Matthew T., 4,854,379, Cl. 165-104.260.

Buchl, Andrew F.; and Stephenson, John C. Master/slave hydraulic system with rebound compensation. 4,825,655, 5-2-89, Cl. 60-546.000.

Buchl, Josef. Method of operating an electromagnetically actuated fuel intake or exhaust valve of an internal combustion engine. 4,823,825, 4-25-89, Cl. 137-1.000.

Buchl, Josef. Method for operating I.C. engine inlet valves. 4,841,923, 6-27-89, Cl. 123-90.110.

Buchl, Josef. Method of operating an internal combustion engine. 4,846,120, 7-11-89, Cl. 123-90.110.

Buchl, Josef, to Audi AG. Apparatus for controlling the operation of an electromagnetic fuel intake or exhaust valve of an internal combustion engine. 4,885,658, 12-5-89, Cl. 361-154.000.

Buchlaub, Norbert: *See—*
Bohlender, Franz; and Buchlaub, Norbert, 4,814,584, Cl. 219-535.000.

Buchler B-Set AG: *See—*
Buchler, Rene, 4,822,014, Cl. 269-71.000.
Buchler, Rene, 4,824,085, Cl. 269-139.000.
Buchler, Rene, 4,829,151, Cl. 219-69.120.
Buchler, Rene, 4,838,533, Cl. 269-310.000.
Buchler, Rene, 4,876,429, Cl. 219-69.150.
Buchler, Rene, 4,880,220, Cl. 269-71.000.

Buchler, Rene, to Buchler B-Set AG. Apparatus for holding an object in a desired position in space. 4,822,014, 4-18-89, Cl. 269-71.000.

Buchler, Rene, to Buchler B-Set AG. Device for holding and handling a flat object. 4,824,085, 4-25-89, Cl. 269-139.000.

Buchler, Rene, to Buchler B-Set AG. Wire electrode discharging machine with a tracer unit for wire positioning. 4,829,151, 5-9-89, Cl. 219-69.120.

Buchler, Rene, to Buchler B-Set AG. Device for reproducible, high-precision determination of the relative position of a first object in relation to second objects. 4,838,533, 6-13-89, Cl. 269-310.000.

Buchler, Rene, to Buchler B-Set AG. Device for retaining tools or workpieces having a cylindrical shaft. 4,876,429, 10-24-89, Cl. 219-69.150.

Buchler, Rene, to Buchler B-SET AG. Device for holding an object in a spatial position. 4,880,220, 11-14-89, Cl. 269-71.000.

Buchler, Wilhelm; Lippert, Walter; and Maier, Lorenz, to Dyckerhoff & Widmann Aktiengesellschaft. Method of locating operational surfaces of a track for electromagnetically levitated vehicles. 4,854,028, 8-8-89, Cl. 29-452.000.

Buchler, Wilhelm: *See—*
Maier, Lorenz; Buchler, Wilhelm; Neumann, Harald; and Lonnecke, Karl H., 4,856,173, Cl. 29-445.000.

Buchman, James E., to Presto Products, Incorporated. Hem seal for draw tape bags. 4,881,931, 11-21-89, Cl. 493-192.000.

Buchmann, Peter L.; Vettiger, Peter; and Van Zeghbroeck, Bart J., to International Business Machines Corporation. Process for forming sub-micrometer patterns using silylation of resist side walls. 4,803,181, 2-7-89, Cl. 437-228.000.

Buchmann, Stephan; Leuenberger, Hans; and Reinke, Claudia, to Pharmatronic AG. Membrane, system and process for testing substance diffusion through the membrane and method for making the membrane. 4,812,407, 3-14-89, Cl. 435-291.000.

Buchmann, Winfried: *See—*
Jung, Rolf; Buss, Albert; and Buchmann, Winfried, 4,874,157, Cl. 270-30.000.

Buchmeier, Willi; Kehl, Ralf; and Schwab, Werner, to Henkel Kommanditgesellschaft auf Aktien. Use of citric acid partial esters for the extraction of iron. 4,820,417, 4-11-89, Cl. 210-638.000.

Buchmeier, Willi; and Brodalla, Dieter, to Henkel Kommanditgesellschaft auf Aktien. Electrolytic coloring of anodized aluminum. 4,877,495, 10-31-89, Cl. 204-42.000.

Buchmuller, Jurgen; and Weyermanns, Gunther, to Messer Griesheim GmbH. Device for the controlled freezing of viscous liquids. 4,829,783, 5-16-89, Cl. 62-373.000.

Buchner, Albrecht, to Micro Technologies International Limited. Alarm devices. 4,858,207, 8-15-89, Cl. 368-10.000.

Buchner, Anton J.: *See—*
Domine, Joseph D.; and Buchner, Anton J., 4,888,391, Cl. 525-221.000.

Bucholtz, Frank: *See—*
Koo, Kee P.; Bucholtz, Frank; and Dandridge, Anthony, 4,881,81 Cl. 356-345.000.

Buchroeder, Richard A., to TDS Patent Management, Inc. Simplified high speed corrected projection lens system for curved image surfaces. 4,842,394, 6-27-89, Cl. 350-432.000.

Buchsbaum, Donald J.; and Vallera, Daniel A., to University of Minnesota, Regents of the. Radioimmunotoxins. 4,831,122, 5-16-89, Cl. 530-389.000.

Buchser, William J.; and Ludlam, Thomas P., to Whirlpool Corporation. Control lever for refrigerator with water and/or ice dispenser in door. 4,800,935, 1-31-89, Cl. 141-362.000.

Buchser, William J., to Whirlpool Corporation. Insulated cabinet manufacture. 4,805,293, 2-21-89, Cl. 29-460.000.

Buchtal Gesellschaft mit beschrankter Haftung: *See—*
Bard, Martin, 4,806,420, Cl. 428-320.200.
Bard, Martin, 4,815,248, Cl. 52-511.000.
Bard, Martin; and Cremer, Gottfried, 4,833,300, Cl. 219-345.00
Bard, Martin; Rieger, Rosemarie; and Petzenhauser, Isfried, 4,853,167, Cl. 264-112.000.
Bard, Martin; and Cremer, Gottfried, 4,868,899, Cl. 219-543.00
Bard, Martin; and Baumgart, Hans G., 4,870,795, Cl. 52-389.00
Cremer, Gottfried; and Bard, Martin, 4,821,478, Cl. 52-384.00
Cremer, Gottfried; and Bard, Martin, 4,821,484, Cl. 52-806.00
Cremer, Gottfried; and Bard, Martin, 4,839,500, Cl. 219-213.00

Buchwald, Holger; and Schaffert, Ingrid, to Carl Freudenberg, Firma. Cable wrapping strip. 4,820,560, 4-11-89, Cl. 428-35.100.

Buchwald, Randall H.; and Mrotek, Gary L., to General Electric Company. CRT magnetic field compensation. 4,864,192, 9-5-89, Cl. 315-8.000.

Buchwalter, Allan H.: *See—*
Orenstein, Henry; Wetherell, Joseph J.; and Buchwalter, Allan H., 4,801,286, Cl. 446-319.000.

Buchwalter, Stephen L., to International Business Machines Corporation. Polyimides reaction products and use in electrophoretic deposition. 4,832,808, 5-23-89, Cl. 204-181.700.

Buck, Albert P. Primary standard gas flow calibrator. 4,860,59 8-29-89, Cl. 73-861.050.

Buck, Arnold L.; and Green, Allan C., to Polaroid Corporation. System and method of providing images from solid state sensor. 4,879,6 11-7-89, Cl. 358-213.220.

Buck, Arthur G.; Olson, Ronald A.; and Beck, Doris A., to Precision Interconnect Corporation. Yieldably extensible self-retracting shielded cable. 4,861,945, 8-29-89, Cl. 174-69.000.

Buck, Charles E.: *See—*
Ahmed, Fahim U.; and Buck, Charles E., 4,889,653, Cl. 252-99.00

Buck Chemisch-Technische Werke GmbH & Co.: *See—*
Schroeter, Johannes, 4,855,605, Cl. 250-505.100.
Steinicke, Wolfgang; Schiessl, Alois; and Busel, Horst, 4,880,67 Cl. 102-334.000.

Buck, Daniel M., to Scan-Optics, Inc. Digital image enhancement methods and apparatus. 4,817,179, 3-28-89, Cl. 382-54.000.

Buck, David A. Drilling jar latch. 4,889,198, 12-26-89, Cl. 175-304.00

Buck, Donald A. Self-gauging, anti-ice damming, double sealed shingle system. 4,856,251, 8-15-89, Cl. 52-553.000.

Buck, George S. Child resistant cigarette lighter. 4,850,854, 7-25-89, C 431-143.000.

Buck, Gordon H. Inflated balloon tire for toy vehicles. 4,832,651, 5-23-89, Cl. 446-224.000.

Buck, Gregory M., to United States of America, National Aeronautics and Space Administration. Quantitative surface temperature measurement using two-color thermographic phosphors and video equipment. 4,885,633, 12-5-89, Cl. 358-93.000.

Buck, Harvey B., Jr.: *See—*
Brenneman, Allen J.; Buck, Harvey B., Jr.; Pugh, Jerry T.; and Robertson, Steven P., 4,798,577, Cl. 494-67.000.

Buck KG, Firma: *See—*
Prahauser, Georg; Huber, Paul, deceased; and Schiessl, Alois, legal representative, 4,838,167, Cl. 102-334.000.

Buck, Michael D., to Hypro Corp. Chemical injector system for piston pumps. 4,824,342, 4-25-89, Cl. 417-503.000.

Buck, Reinhold J.: *See—*
Harttig, Erich H.; Buck, Reinhold J.; and Gohl, Hermann J., 4,812,269, Cl. 264-41.000.

Buck, Richard M.: *See—*
Dayton, David R.; Bucher, Lloyd K.; and Buck, Richard M., 4,864,185, Cl. 313-318.000.

Buck, Robert; and Marhofer, Gerd. Heat transfer measurement device, in particular flow monitor. 4,856,329, 8-15-89, Cl. 73-204.220.

Buck, Robert J.; Walk, Ralph; and Zaveri, Pradhuman S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Single mag amp control system for regulating bipolar voltage output of a power converter. 4,849,874, 7-18-89, Cl. 363-91.000.

Buck, Rudi: *See—*
Kade, Werner; Buck, Rudi; Freiler, Bruno; and Wolf, Karl, 4,865,692, Cl. 162-352.000.

Buck, Rufus E., to Du Pont de Nemours, E. I., and Company. Linear travel windup. 4,801,104, 1-31-89, Cl. 242-35.50R.

Buck Werke GmbH, & Co.: *See—*
Hanser, Walter; Rayer, Peter; Wardecki, Norbert; and Hug, Peter, 4,869,174, Cl. 102-489.000.

Buckanin, Richard S., to Minnesota Mining and Manufacturing Company. Catalysts for the curing of a water-curable isocyanate-functional prepolymer. 4,871,845, 10-3-89, Cl. 544-87.000.

Buckanin, Richard S.: *See—*
Ersfeld, Dean A.; Hansen, Paul E.; Scholz, Matthew T.; Bartizal, Dennis C.; Reed, Katherine E.; Larson, Wayne K.; Sandvig, Timothy C.; and Buckanin, Richard S., 4,856,502, Cl. 128-90.000.

Buckel, Peter: *See—*
Schumacher, Gunter; Buckel, Peter; and Beaucamp, Klaus, 4,861,717, Cl. 435-172.300.

Buckely, James A. V.: *See—*
Metzelfeld, Glenn S.; Buckely, James A. V.; and Brown, Donald D., 4,878,346, Cl. 60-588.000.

Bucken, Rene: *See—*
Grecksch, Hans; Bertrams, Josef; and Bucken, Rene, 4,878,629, Cl. 242-18.0PW.

Buckendorf, Rudy R., Jr. Grass trimmer attachment. 4,879,869, 11-14-89, Cl. 56-12.700.

Buckenham, Howard A.: *See—*
Bone, David J.; Gibbs, Trevor K.; Buckenham, Howard A.; and Gotley, Paul, 4,810,352, Cl. 204-432.000.

Bucker, Heinrich, to Westfalia Separator AG. Rinse-injection box for automatically introducing controlled flows of a rinse. 4,823,830, 4-25-89, Cl. 137-205.000.

Bucker, Rhoda H., to Amoco Corporation. Method for continuous color mapping of seismic data. 4,843,599, 6-27-89, Cl. 367-70.000.

Buckett, David R., to Governor and Company of the Bank of England, The. Control system for printing machines, especially numbering machines. 4,825,761, 5-2-89, Cl. 101-77.000.

Buckholz, Lawrence; Byrne, Brian; and Sudol, Marion, to International Flavors & Fragrances Inc. Process for microwave browning and product produced thereby. 4,882,184, 11-21-89, Cl. 426-243.000.

Buckholz, Lawrence, Jr.: *See—*
Stypula, Richard J.; and Buckholz, Lawrence, Jr., 4,877,629, Cl. 426-302.000.

Buckhorn, Inc.: *See—*
Stein, Eric D., 4,804,082, Cl. 206-1.500.

Buckhorn Material Handling Group, Inc.: *See—*
Deaton, Thomas P.; and Ficker, Paul J., 4,832,200, Cl. 206-508.000.

Buckhorn Rubber Products, Inc.: *See—*
Pyle, Jeffrey A., 4,801,165, Cl. 292-249.000.

Bucking, Heinz L.; Knoche, Christoph; and Sieweke, Wilhelm, to Hoechst Werke Aktiengesellschaft. Production of castings containing steel tubes. 4,832,106, 5-23-89, Cl. 164-98.000.

Bucking, Wolfram: *See—*
Kubein-Meesenburg, Dietmar; Meyer, Georg; and Bucking, Wolfram, 4,875,857, Cl. 433-56.000.

Buckingham, Danny W.; and De Bruyn, Svend R. Arrow board. 4,801,918, 1-31-89, Cl. 340-114.00B.

Buckingham, Duane: *See—*
Teich, Rudor M.; and Buckingham, Duane, 4,850,040, Cl. 455-603.000.

Buckingham, Kent W.: *See—*
Ebetino, Frank H.; Buckingham, Kent W.; and McOsker, Jocelyn E., 4,868,164, Cl. 514-80.000.

Buckingham Manufacturing Company, Inc.: *See—*
Rullo, James J., 4,875,550, Cl. 182-221.000.

Buckl, Nikolaus: *See—*
Wernicke, Hans-Juergen; Glatthaar, Reinhard; and Buckl, Nikolaus, 4,808,270, Cl. 203-39.000.

Buckland, Eric L.; and Nishimura, Masayuki, to Sumitomo Electric Fiber Optics Corporation. Simultaneous bi-directional optical time domain reflectometry method. 4,838,690, 6-13-89, Cl. 356-73.100.

Buckland, Patrick A.; Irwin, John W.; and Reeder, Jack E., to International Business Machines Corporation. Logical arrangement for controlling use of different system displays by main processor and co-processor. 4,833,596, 5-23-89, Cl. 364-200.000.

Buckland, Paul R.; and Goddard, John D., to Eastman Kodak Company. Photographic acetanilide couplers with novel ballast group and photographic elements containing them. 4,824,771, 4-25-89, Cl. 430-388.000.

Buckland, Paul R., to Eastman Kodak COmpany. Photographic elements containing pyrazolone color couplers. 4,876,182, 10-24-89, Cl. 430-555.000.

Buckland, Paul R.: *See—*
Krishnamurthy, Sundaram; Johnston, Brian H.; Kilminster, Kenneth N.; Vogel, David C.; and Buckland, Paul R., 4,853,319, Cl. 430-387.000.

Buckler Corporation: *See—*
Cone, Robert L., 4,848,855, Cl. 312-107.000.

Buckler, Robert T.; and Ward, Frederick E., to Miles Inc. Functionalized intermediate for the synthesis of alpha-functionalized derivatives and labeled conjugates of procaimamide and NAPA. 4,795,828, 1-3-89, Cl. 564-512.000.

Buckler, Robert T.: *See—*
Albarella, James P.; and Buckler, Robert T., 4,810,638, Cl. 435-7.000.

Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., to Hoechst Celanese Corporation. Liquid crystalline composites. 4,814,211, 3-21-89, Cl. 428-1.000.

Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., to Hoechst Celanese Corporation. Liquid crystalline polymer composites. 4,828,888, 5-9-89, Cl. 428-1.000.

Buckley, Alan: *See—*
Che, Tessie M.; Stuetz, Dagobert E.; Buckley, Alan; and Ulrich, Donald R., 4,851,270, Cl. 428-1.000.
Che, Tessie M.; Stuetz, Dagobert E.; Buckley, Alan; and Ulrich, Donald R., 4,861,129, Cl. 350-96.130.
DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,810,338, Cl. 204-157.880.
DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,835,235, Cl. 526-311.000.
DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,868,250, Cl. 525-479.000.

Buckley, B. S.: *See—*
Pinyan, James A.; Buckley, B. S.; and Galitzine, Peter D., 4,819,783, Cl. 198-395.000.

Buckley, Bruce S.; Reichwein, Roy H.; and Brown, Steven W., to Cochlea Corporation. System to recognize a geometry parameter of unknown object with continuous wave acoustic energy. 4,870,623, 9-26-89, Cl. 367-7.000.

Buckley, Helen R.; Largen, Michael T.; and Strockbine, Nancy A., to Temple University of the Commonwealth System of Higher Education. Cytoplasmic antigens of candida albicans and methods of using the same. 4,806,465, 2-21-89, Cl. 435-7.000.

Buckley, James A. V.; and Prusak, Allan E., to Hayes Industrial Brake, Inc. Cable tension equalizer for a lever operated brake actuator. 4,850,241, 7-25-89, Cl. 74-502.200.

Buckley, James A. V.; Brown, Donald D.; and Metzelfeld, Glenn S., to Hayes Industrial Brake, Inc. Brake/locking differential. 4,878,567, 11-7-89, Cl. 192-18.00R.

Buckley, John. TV commercial story board. 4,805,327, 2-21-89, Cl. 40-159.000.

Buckley, John J., Jr.: *See—*
Ankrom, Michael J.; Bowcutt, Corey H.; Buckley, John J., Jr.; and Rew, James A., 4,840,305, Cl. 228-232.000.
Bowcutt, Corey H.; Buckley, John J., Jr.; and Rew, James A., 4,802,276, Cl. 29-739.000.

Buckley, Margaret M., to FMC Corporation. Adjustable control station for aircraft loader. 4,799,848, 1-24-89, Cl. 414-347.000.

Buckley, Mary E., to Kendall Company, The. Absorbent pad. 4,795,451, 1-3-89, Cl. 604-385.200.

Buckley, Mary E.: *See—*
Toth, Michael R.; and Buckley, Mary E., 4,804,379, Cl. 604-378.000.

Buckley, Milford L., to Corning Glass Works. Method of making multifocal lens blanks. 4,842,632, 6-27-89, Cl. 65-38.000.

Buckley, Milford L.; and Burke, Harry L., to Corning Incorporated. Glass-ceramic support for fusing and sagging ophthmalmic multifocal lenses. 4,883,525, 11-28-89, Cl. 65-37.000.

Buckley, Paul J., II: *See—*
Nuckolls, Joe A.; and Buckley, Paul J., II, 4,866,347, Cl. 315-158.000.

Buckley, Paul W.: *See—*
Brunelle, Daniel J.; Shannon, Thomas G.; Kosky, Philip G.; Buckley, Paul W.; and Silva, James M., 4,814,420, Cl. 528-198.000.

Buckley, Thomas F., III, to Chevron Research Company. Fuel compositions containing very long chain alkylphenyl poly(oxyalkylene) aminocarbonates. 4,881,945, 11-21-89, Cl. 44-72.000.

Buckley, W. Derek, to Perkin-Elmer Corporation, The. Illumination system for x-ray lithography. 4,831,640, 5-16-89, Cl. 378-34.000.

Buckman, Jay A.: *See—*
Scaringe, Robert P.; Buckman, Jay A.; and Grzyll, Lawrence R., 4,856,294, Cl. 62-259.300.

Buckman Laboratories International, Inc.: *See—*
Fenyes, Joseph G., 4,801,362, Cl. 252-51.000.
Hollis, C. George; and Lutey, Richard W., 4,866,080, Cl. 514-367.000.
Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, 4,839,373, Cl. 514-367.000.
Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, 4,866,081, Cl. 514-367.000.
May, Oscar W., 4,801,683, Cl. 528-485.000.

Buckman Laboratories, Intl.: *See—*
Fenyes, Joseph G.; and Pera, John D., 4,851,532, Cl. 544-357.000.

Buckman, William G.; and Boots, Robert L. Pumping device using pressurized gas. 4,842,487, 6-27-89, Cl. 417-132.000.

Buckmaster, Marlin D.; and Randa, Stuart K., to Du Pont de Nemours, E. I., and Company. Nucleating agents for thermoplastic resins. 4,877,815, 10-31-89, Cl. 521-85.000.

Buckner, Robert; and Morris, Mae. Heliochron. 4,890,269, 12-26-89, Cl. 368-15.000.

Buckner, Robert K.; Read, Norman W.; and Ritchie, Donald E., to Dresser Industries, Inc. Wireline hydraulic isolation packer system. 4,852,654, 8-1-89, Cl. 166-277.000.

Buckner, Walter F.; and Schuster, Martin, to Buckner, Walter F. Oscillation dampener for aerial electrical transmission lines and line equipped therewith. 4,808,766, 2-28-89, Cl. 174-42.000.

Bucko, Edward P., Sr. Fluid flow control device. 4,852,612, 8-1-89, Cl. 137-625.500.

Bucksbee, James H., to Lord Corporation. Rail fastener. 4,844,338, 7-4-89, Cl. 238-283.000.

Bucksch, Manfred, to Zahnradfabrik Friedrichshafen AG. Transmission for a motor vehicle. 4,833,943, 5-30-89, Cl. 74-701.000.

Bucksdrucker, Arthur H.: *See—*
  Carter, Paul M.; Wilson, Gary L.; and Bucksdrucker, Arthur H., 4,815,508, Cl. 144-213.000.

Buckshaw, Thomas M.; and Llewellyn, David T., to Robertshaw Controls Company. Method of making a water level control device. 4,800,633, 1-31-89, Cl. 29-157.00R.

Buckwalter, Jude: *See—*
  Choi, Oong; Choi, Robert S.; and Buckwalter, Jude, 4,829,492, Cl. 367-110.000.

Buckwitz, Richard J., and Walter, Alfred E., Jr., to Boeing Company, The. Wire pinch mark applicator. 4,854,147, 8-8-89, Cl. 72-7.000.

Bucska, Nicholas J.; and Norton, David E., Jr., to MiniScribe Corporation. Apparatus and method for detecting a true average of N signal samples. 4,868,470, 9-19-89, Cl. 318-561.000.

Buczek, Jan; Buczek, Witoslaw; and Warzybok, Tadeusz, to Politechnika Rzeszowska im. Ignacego Lukasiewicza; and Wojewodzki Klub Techniki i Racjonalizacji Zaklad Uslug Technicznych w Rzeszowie. Gear transmission and method of machining its teeth. 4,825,715, 5-2-89, Cl. 74-462.000.

Buczek, Witoslaw: *See—*
  Buczek, Jan; Buczek, Witoslaw; and Warzybok, Tadeusz, 4,825,715, Cl. 74-462.000.

Buczkowska, Joanne A.: *See—*
  Oosthuizen, Albertus D.; Buczkowski, Janusz K.; Buczkowska, Teresa; and Buczkowska, Joanne A., 4,842,274, Cl. 272-129.000.

Buczkowska, Teresa: *See—*
  Oosthuizen, Albertus D.; Buczkowski, Janusz K.; Buczkowska, Teresa; and Buczkowska, Joanne A., 4,842,274, Cl. 272-129.000.

Buczkowski, Bradley A.: *See—*
  Dighe, Shyam V.; Buczkowski, Bradley A.; Peck, Walter J.; Katz, Seymour; and Provis, William H., 4,828,607, Cl. 75-10.220.

Buczkowski, Janusz K.: *See—*
  Oosthuizen, Albertus D.; Buczkowski, Janusz K.; Buczkowska, Teresa; and Buczkowska, Joanne A., 4,842,274, Cl. 272-129.000.

Bud Antle, Inc.: *See—*
  deGroot, Peter F., 4,854,802, Cl. 414-404.000.
  deGroot, Peter F., 4,869,637, Cl. 414-404.000.

Bud of California: *See—*
  Ventura, Leon P.; and Diaz-Infante, Javier, 4,884,388, Cl. 53-537.000.

Buda, Charles: *See—*
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Budahn, Burnell E. Method and apparatus for continuously producing cheese utilizing brine salting. 4,820,540, 4-11-89, Cl. 426-582.000.

Budapesti Muszaki Egyetem: *See—*
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  Vodicska, Miklos; Vajda, Nora; Zagyvai, Peter; Solymosi, Jozsef; Nagy, Lajos G.; Kulcsar, Erno; Takacs, Marta; and Ambrus, Peter, 4,806,278, Cl. 252-631.000.

Budapesti Radiotechnikai Gyar: *See—*
  Grimm, Istvan; Stenczinger, Sandor; Bolla, Istvan; and Csanyi, Istvan, 4,876,790, Cl. 29-603.000.

Budapesti Vegyimuvek: *See—*
  Bohus, Peter; Bihari, Ferenc; Kertesz nee Szabo, Marianna; Kuronya, Istvan; Boros, Peter; Szulagyi, Janos; Meszaros, Jeno; Eifert, Gyula; Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos, Laszlo, 4,806,151, Cl. 71-111.000.

Buday, John M., to Continental Coach Ltd. Motor home assembly. 4,848,831, 7-18-89, Cl. 296-165.000.

Budd Company, The: *See—*
  Bush, John W., 4,797,987, Cl. 29-433.000.
  Bush, John W., 4,858,731, Cl. 188-218.00R.
  Freeman, Richard B., 4,808,362, Cl. 264-257.000.
  Freeman, Richard B., 4,849,147, Cl. 264-138.000.
  Freeman, Richard B., 4,863,771, Cl. 428-36.100.
  Grier, Donald A.; and Nielson, Theodore, Jr., 4,843,762, Cl. 49-378.000.
  Hannum, Joseph B., 4,810,383, Cl. 210-525.000.
  Herringshaw, Steven D.; and Szefi, Robert J., 4,800,638, Cl. 29-407.000.
  Herringshaw, Steven D.; Szefi, Robert J.; Batchelder, Paul J.; and Brentar, Francisco X., 4,827,671, Cl. 49-503.000.
  Herringshaw, Steven D.; and Szefi, Robert J., 4,845,894, Cl. 49-502.000.
  Iseler, Kenneth A.; and Wilkinson, Robert E., 4,855,097, Cl. 264-102.000.
  Mallas, Angelos, 4,850,315, Cl. 123-90.610.
  Schilkey, Daniel P.; and Hamner, James R., 4,867,924, C 264-101.000.
  Smith, Edward L., 4,851,640, Cl. 219-208.000.
  Wilkinson, Robert E.; and Epel, Joseph N., 4,806,298, C 264-115.000.

Budd, Louise T. Disposable pet food dish. 4,800,845, 1-31-89, C 119-61.000.

Budd, Michael K.; and Foster, Mark H., to Alcan International Limited Lubricant and method of cold-rolling aluminum. 4,844,830, 7-4-89, Cl. 252-56.00R.

Budde, Klaus; Koch, Friedrich; and Quella, Ferdinand, to Siemens Aktiengesellschaft. Irradiation cross-linkable thermostable polyme system, for microelectronic applications. 4,876,322, 10-24-89, C 526-242.000.

Budde, Peter. Pipe-end protector. 4,854,350, 8-8-89, Cl. 138-96.00R.

Buddenberg, Jorg W., to AJO Anlagentechnik GmbH & Co. KG Circular storage container for granular materials with a vertically movable lateral conveyor. 4,815,925, 3-28-89, Cl. 414-302.000.

Buddy L Corporation: *See—*
  Auer, Robert T., 4,850,931, Cl. 446-437.000.
  Auer, Robert T.; and Mayer, Richard J., 4,856,197, Cl. 33-18.10
  Auer, Robert T.; and Mayer, Richard J., 4,869,513, Cl. 273-315.00
  Auer, Robert T., 4,875,147, Cl. 362-205.000.
  Auer, Robert T.; and Reina, David, 4,878,877, Cl. 446-463.000.
  Auer, Robert T.; Keats, Richard L.; and Chung, Jore M., 4,889,51 Cl. 446-230.000.
  Auer, Robert T.; and Reina, David, 4,889,515, Cl. 446-428.000.
  Auer, Robert T.; and Reina, David, 4,889,516, Cl. 446-462.000.
  Hoffman, Leo; Auer, Robert T.; Keats, Richard L.; Roeser, Stephan; and Stern, Lawrence, 4,848,577, Cl. 206-467.000.
  Oster, Francis, 4,888,874, Cl. 33-18.100.

Buddy Systems, Inc.: *See—*
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Budecker, Ludwig; David, Anton; Obersteiner, Georg; Zutt, Ulrich and Guse, Hans-Albrecht, to Alfred Teves GmbH. Hydraulic brak system for motor vehicles. 4,807,945, 2-28-89, Cl. 303-114.000.

Budecker, Ludwig; and Klostermann, Gerd, to Alfred Teves GmbH Reservoir for a hydraulic brake system. 4,843,193, 6-27-89, Cl. 20- 84.000.

Budecker, Ludwig, to Alfred Teves GmbH. Radial piston pum 4,850,825, 7-25-89, Cl. 417-538.000.

Buden, David: *See—*
  Mims, James; Buden, David; and Williams, Kenneth, 4,832,113, C 165-1.000.

Budenbender, Bernd. Container of sheet metal. 4,854,467, 8-8-89, C 220-67.000.

Buder, Robert: *See—*
  Halder, Ernst; Dinkelmann, Friedrich; Buder, Robert; Fuchs, Uwe Horak, Dieter; and Schafer, Hans-Heinz, 4,825,634, C 57-305.000.
  Halder, Ernst; Dinkelmann, Friedrich; and Buder, Rober 4,845,938, Cl. 57-305.000.

Buderus Aktiengesellschaft: *See—*
  Becker, Georg; and Basilowski, Herbert, 4,813,188, Cl. 51-288.00
  Durth, Wilfried, 4,800,806, Cl. 99-330.000.

Budge, John R.; and Pedersen, S. Erik, to Standard Oil Company, The Hydrogenation of maleic anhydride to tetrahydrofuran. 4,810,80 3-7-89, Cl. 549-508.000.

Budge Manufacturing Co., Inc.: *See—*
  Clarke, Edwin B., 4,795,207, Cl. 296-136.000.

Budhu, Muniram, to Research Foundation of State University of New York, The. Simple shear device for testing earthen materials an powders. 4,854,175, 8-8-89, Cl. 73-841.000.

Budin, Josef: *See—*
  Levy, Gideon; Budin, Josef; and Moergeli, Benjamin, 4,859,324, C 210-195.200.

Budin, Maurice; and Veyrand, Pierre, to Automatismes Energie Electronique Systemes. Voltage regulator with ferromagnetic filter 4,884,187, 11-28-89, Cl. 363-141.000.

Buding, Hartmuth; Szentivanyi, Zsolt; and Thormer, Joachim, to Bayer Aktiengesellschaft. Low molecular weight copolymers and covulcanizates produced therefrom. 4,829,128, 5-9-89, Cl. 525-329.600.

Buding, Hartmuth; and Casper, Rudolf, to Bayer Aktiengesellschaft Process for hydrogenating nitrile group-containing unsaturated polymers. 4,853,441, 8-1-89, Cl. 525-339.000.

Buding, Hartmuth: *See—*
  Eichenauer, Herbert; Buding, Hartmuth; Doring, Joachim; Casper Rudolf; and Ott, Karl-Heinz, 4,857,591, Cl. 525-74.000.
  Fiedler, Paul; Braden, Rudolf; and Buding, Hartmuth, 4,812,5 Cl. 556-136.000.
  Himmler, Thomas; Fiedler, Paul; Braden, Rudolf; and Buding Hartmuth, 4,795,788, Cl. 525-338.000.

Budinger, A. Bowman; Byszewski, Wojciech W.; and Proud, Joseph M., to GTE Laboratories Incorporated. Beam mode fluorescent lamp. 4,866,339, 9-12-89, Cl. 313-492.000.

Budinger, William D. Method and apparatus for determination and display of critical gas supply information. 4,876,903, 10-31-89, C 73-865.100.

Budinka, Rudolf: *See—*
  Maaloe, Jens; Budinka, Rudolf; and Andersen, Svend V., 4,813,04 Cl. 371-16.000.

Budinski, Michael K.: *See—*
  Wilde, Bryan E.; and Budinski, Michael K., 4,826,657, C 420-542.000.

Budner, Henry M. Extension cord clamp. 4,884,979, 12-5-89, C 439-369.000.

Budnik, Paul: *See—*
  Barkan, Mordecai; Genusov, Alex; Granski, Michael; Budnik, Paul; and Retter, Refael, 4,802,111, Cl. 364-724.100.

Budnik, Richard A.; and Murphy, Gerald J., to Union Carbide Corporation. Silicone surfactants containing cyclic siloxane pendants. 4,855,379, 8-8-89, Cl. 528-29.000.

Budnowski, Manfred: *See—*
  Gonzalez, Rene A. A.; Budnowski, Manfred; Herold, Julius; Rutzen, Horst; Schneider, Eberhard; and Seltmann, Hans-Guenter, 4,829,142, Cl. 528-111.000.

Budo, Sadayoshi: *See—*
  Tochinai, Chiaki; Kohara, Tadanao; Budo, Sadayoshi; Masuda, Hiroaki; and Yoshida, Takayoshi, 4,845,182, Cl. 525-89.000.

Budrean, John D.; and Kirpatrick, John A., to Allied Products Corporation. Method and apparatus for embossing the inside surface of a cup-shaped article. 4,870,846, 10-3-89, Cl. 72-77.000.

Budrikis, Zigmantas L., and Netravali, Arun N., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for drawing antialiased lines and polygons. 4,796,020, 1-3-89, Cl. 340-728.000.

Budwey, Michael J.: *See—*
  Stiffler, Jack J.; Budwey, Michael J.; and Nolan, James M., Jr., 4,819,154, Cl. 364-200.000.

Budy, Gordon D.; and Mc Neil, Kenneth R., to Rigidyne Corporation. Disk drive assembly station. 4,862,584, 9-5-89, Cl. 29-704.000.

Budyko, Viktor A.; Ivanchenko, Andrei F.; Krokhmal, Vladimir M.; Konovalenko, Vladimir V.; Nechvolodov, Georgy V.; Lastochkin, Boris N.; and Kutsov, Valentin D. Device for arcless switching of electrical circuits. 4,885,654, 12-5-89, Cl. 361-13.000.

Budzelaar, Petrus H. M.: *See—*
  van Doorn, Johannes A.; Wife, Richard L.; and Budzelaar, Petrus H. M., 4,880,902, Cl. 528-392.000.

Budzich, Tadeusz, to Caterpillar Inc. Load responsive system using load responsive pump control of a bypass type. 4,798,126, 1-17-89, Cl. 91-518.000.

Budzich, Tadeusz, to Caterpillar Inc. Load responsive control system adapted to use of negative load pressure in operation of system controls. 4,799,420, 1-24-89, Cl. 91-529.000.

Buechel, Franz; and Frick, Klemens, to Hilti Aktiengesellschaft. Explosive powder charge operated fastening element setting device. 4,867,365, 9-19-89, Cl. 227-10.000.

Buechele, Alvin W.; Cochran, Thomas J.; and Hodge, Philo B., to International Business Machines Corporation. Contactor and probe assembly for electrical test apparatus. 4,816,754, 3-28-89, Cl. 324-158.00F.

Buecheler, Herbert; Capune, Thomas; Holdt, Bernd-Dieter; Menke, Ronald; and Tuerk, Erich, to Henkel Kommanditgesellschaft auf Aktien. Cleaning system for toilet bowls. 4,813,084, 3-21-89, Cl. 4-231.000.

Buege, Thomas J.: *See—*
  Cemenska, Richard A.; Schneider, Marvin P.; and Buege, Thomas J., 4,800,721, Cl. 60-393.000.

Buehler, Amsey: *See—*
  Kezer, C. Albert; Schmidt, F. Walter; and Buehler, Amsey, 4,801,998, Cl. 128-759.000.

Buehler, Gerhard, to FRYMA-Maschinenbau GmbH. Gap-type ball mill for continuous pulverization, particularly breakdown of microorganisms, and dispersion of solids in a liquid. 4,824,033, 4-25-89, Cl. 241-66.000.

Buehler, John D.; Luber, Joseph R.; and Grim, Wayne M., to Rorer Pharmaceutical Corporation. Antacid composition. 4,869,902, 9-26-89, Cl. 424-686.000.

Buehler Ltd.: *See—*
  Brandt, David L.; and Doyle, Ralph R., 4,827,672, Cl. 51-165.900.
  Linke, Thomas A.; Dandan, Issa R.; Livingston, Troy W.; and Wilkerson, Alan W., 4,873,792, Cl. 51-165.800.

Buehler, Stephen L., and Donaldson, Jeffrey L., to Jay R. Smith Mfg. Co. Quarter turn water hydrant. 4,844,116, 7-4-89, Cl. 137-360.000.

Buehler, Volker; Hofmann, Friedbert; and Heinz, Robert, to BASF Aktiengesellschaft. Preparation of ascorbic acid granules. 4,800,086, 1-24-89, Cl. 424-497.000.

Buehler, Werner G. Fitting for clearing water from fluid containing systems. 4,809,732, 3-7-89, Cl. 137-209.000.

Buehler, William E.: *See—*
  Bauer, Barney J., and Buehler, William E., 4,819,377, Cl. 49-221.000.

Buehning, Peter G. Process for preparing non-woven webs. 4,818,463, 4-4-89, Cl. 264-40.100.

Buehning, Peter G., to Accurate Products Co. Melt blowing die and air manifold frame assembly for manufacture of carbon fibers. 4,889,476, 12-26-89, Cl. 425-72.200.

Buekers, Josef: *See—*
  Buysch, Hans-Josef; Schon, Norbert; Eichenauer, Herbert; Kress, Hans-Jurgen; and Buekers, Josef, 4,839,421, Cl. 525-67.000.
  Buysch, Hans-Josef; Schon, Norbert; Kress, Hans-Jurgen; Eichenauer, Herbert; and Buekers, Josef, 4,883,835, Cl. 524-504.000.
  Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, 4,861,829, Cl. 525-92.000.
  Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, 4,879,342, Cl. 525-67.000.
  Lindner, Christian; Peters, Horst; Buekers, Josef; and Urbanneck, Bernd, 4,810,739, Cl. 524-371.000.

Buelens, Edward; and Mostmans, Jozef E., to Agfa-Gevaert N.V. Light-tight cassette and method for packing rolls of light-sensitive material in a cassette. 4,834,236, 5-30-89, Cl. 242-71.100.

Buelens, Edward; and Muylle, Wilfried E., to AGFA-Gevaert N.V. Light-cassette for light-sensitive photographic material. 4,865,196, 9-12-89, Cl. 206-409.000.

Buelens, Edward: *See—*
  Adriaensen, Victor A.; Buelens, Edward; and Goossens, Carolus C., 4,809,923, Cl. 242-71.800.

Buell Industries, Inc.: *See—*
  Peterson, Francis C., 4,832,234, Cl. 220-306.000.
  Peterson, Francis C., 4,856,954, Cl. 411-427.000.
  Peterson, Francis C.; and Zabawa, Mark T., 4,866,990, Cl. 73-761.000.
  Peterson, Francis C., 4,875,816, Cl. 411-104.000.

Buellmeyer, Karl: *See—*
  Kiener, Volker; Nonn, Guenther; Seid, Bernhard; Schewski, Harald; and Buellmeyer, Karl, 4,871,373, Cl. 23-306.000.

Buendia, Jean; and Nierat, Jeanine, to Roussel Uclaf. Supports and their use. 4,812,512, 3-14-89, Cl. 525-54.110.

Buendia, Jean: *See—*
  Brion, Francis; Buendia, Jean; and Marie, Christian, 4,879,392, Cl. 548-492.000.
  Vivat, Michel; and Buendia, Jean, 4,847,014, Cl. 260-397.100.

Buenemann, Morris C., Jr., to Olin Corporation. Shotshell casing with reduced volume basewad and increased interior volume for larger shot loads. 4,867,066, 9-19-89, Cl. 102-470.000.

Bueno, Cebers O.: *See—*
  Polanco, Domingo R.; Bueno, Cebers O.; Salazar, Ramon; and Chamorra, Felix A. S., 4,832,701, Cl. 44-51.000.

Buentello, Manuello, III: *See—*
  Janik, Gloria; and Buentello, Manuello, III, 4,801,642, Cl. 524-714.000.

Buerger, Michael H., to Del-Met Corporation. Method of making a wheel trim ring. 4,825,524, 5-2-89, Cl. 29-159.00A.

Buerger, Peter M.: *See—*
  Wiegand, Richard J.; Buerger, Peter M.; and Marinaccio, Richard E., 4,885,587, Cl. 42-14.000.

Buerkle, Thomas B.; and Troxell, Jack D., to SCM Metal Products, Inc. Thin section dispersion strengthened copper body and method of making same. 4,885,029, 12-5-89, Cl. 75-235.000.

Buermann, Henry, Jr.; and Day, Alvin W. Roller chain assembling device. 4,833,875, 5-30-89, Cl. 59-7.000.

Buerstinghaus, Rainer; Hofmeister, Peter; and Kuenast, Christoph, to BASF Aktiengesellschaft. Pesticidal composition and process for combating pests employing carboxamide. 4,859,706, 8-22-89, Cl. 514-624.000.

Bueschel, David M.; and Wollermann, Kenneth A., to Artos Engineering Company. Adjustable wire stripping apparatus. 4,811,633, 3-14-89, Cl. 81-9.510.

Buescher, Eugene J., to O'Meara, William R., a part interest. Envelope having a remailable portion. 4,815,654, 3-28-89, Cl. 229-73.000.

Bueschken, Wilfried, to Huels Aktiengesellschaft. Process for the preparation of cyclic ketones by isomerization of epoxides. 4,885,397, 12-5-89, Cl. 568-341.000.

Bueschl, Rainer: *See—*
  Schwaben, Hans-Dieter; Echte, Adolf; Bueschl, Rainer; Schlichtmann, Rainer; Klaerner, Peter; and Kindler, Hubert, 4,839,418, Cl. 525-53.000.

Buese, George J.; and Yoon, Hee K., to Johnson & Johnson Orthopaedics, Inc. Ravel-free orthopaedic casting tapes. 4,800,872, 1-31-89, Cl. 128-90.000.

Buese, Mark A., to General Electric Company. Biscyclosiloxane imides, method of making and use. 4,826,710, 5-2-89, Cl. 427-387.000.

Buess, Gerhard; Boebel, Manfred; and Hiltebrandt, Siegfried. Mediastinoscope. 4,858,595, 8-22-89, Cl. 128-6.000.

Buess, Heinz; and Saporta, Jose A. Opening cylinder. 4,868,952, 9-26-89, Cl. 19-112.000.

Buessinger, Pierre; Colin, Pierre; and Rudolf, Rene, to Somex S.A. Travel device for a machine tool or a transfer machine. 4,859,085, 8-22-89, Cl. 384-45.000.

Buetemeister, Earl H., to General Motors Corporation. Dual generator electrical system. 4,829,228, 5-9-89, Cl. 322-27.000.

Buettner, Albert V.; and Cowan, Carl E., to Eastman Kodak Company. Method and apparatus utilizing corona erase for improving a multicolor electrophotographic image. 4,804,602, 2-14-89, Cl. 430-42.000.

Buettner, Gerhard, to Siemens Aktiengesellschaft. Hinge for a hearing aid cover. 4,831,655, 5-16-89, Cl. 381-69.000.

Buetzow, Carl J.: *See—*
  Fortier, Thomas H., Jr., and Buetzow, Carl J., 4,820,219, Cl. 441-66.000.

Buff, Ernest D.: *See—*
  Baughman, Ray H.; Buff, Ernest D.; Eckhardt, Helmut; and Fuchs, Gerhard H., 4,848,875, Cl. 350-331.00R.

Buffet, Eric; Dragoni, Christian; and Rey, Pierre, to Eaton Corporation. Electric vacuum actuator valve. 4,838,519, 6-13-89, Cl. 251-129.210.

Buffet, Georges: *See—*
  Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.

Buffet, Jacques, to Compagnie Financiere Saint Nicolas. Adjustable implantable heart stimulator and method of use. 4,846,180, 7-11-89, Cl. 128-419.00P.

Buffet, Jean C., to Eaton S.A.M. Electric diaphragm pump with valve holding structure. 4,832,582, 5-23-89, Cl. 417-413.000.

Buffham, Brian W.; and Marquardt, Daniel J., to Petrolite Corporation. Pressure relief device. 4,819,683, 4-11-89, Cl. 137-71.000.

Buffin, Charles P. Sheet metal punching and cutting tool. 4,813,134, 3-21-89, Cl. 30-294.000.

Buffington, Robert D.; and Lilley, Joseph Y. Method and apparatus for detecting and modifying peripheral curves and junction ridges in contact lenses. 4,798,460, 1-17-89, Cl. 356-124.000.
Buffoni, Franca: *See—*
  Bertini, Vincenzo; De Munno, Angela; Lucchesini, Francesco; Buffoni, Franca; and Bertocci, Barbara. 4,888,283, Cl. 435-184.000.
Buffum, Charles M.: *See—*
  Baker, William T., Jr.; Buffum, Charles M.; Jolissaint, Charles H.; and Kerlin, Gregg W., 4,805,209, Cl. 379-96.000.
Buford, John T., to Sundstrand Corporation. Making a power source utilizing encapsulated lithium pellets. 4,794,682, 1-3-89, Cl. 29-157.400.
Buford, John T.; and Peters, Kerry M., to Sundstrand Corp. Fuel bath volume compensator for stored chemical energy power propulsion system. 4,846,112, 7-11-89, Cl. 122-21.000.
Bugaut, Andree; and Junino, Alex, to French joint stock company "L'Oreal" The. Substituted metaaminophenols, a process for their preparation, hair dyeing compositions containing them and a hair-dyeing process. 4,863,480, 9-5-89, Cl. 8-408.000.
Bugaut, Andree; Junino, Alex; and Cotteret, Jean, to L'Oreal. Dyeing composition for human hair containing an azo dye. 4,886,517, 12-12-89, Cl. 8-416.000.
Bugaut, Andree; and Genet, Alain, to L'Oreal. Compounds which can be used for hair dyeing, process for their preparation, dyeing compositions in which they are present and corresponding hair-dyeing process. 4,888,025, 12-19-89, Cl. 8-405.000.
Bugdan, Evgeny S.: *See—*
  Matros, Jury S.; Chumachenko, Viktor A.; Zudilina, Ljudmila J.; Noskov, Alexandr S.; and Bugdan, Evgeny S., 4,877,592, Cl. 423-245.100.
Buget, Bernard; and Maurice, Etienne, to Buget, Bernard. Optical device for measuring the position of the main or other directions of vision of both eyes, and anomalies in binocular vision. 4,838,676, 6-13-89, Cl. 351-202.000.
Bugg, Brian J.; Martin, Glenn E.; Oberg, David J.; and Ticu, Adriana E., to BASF Corporation. Sealant primer composition and method. 4,882,003, 11-21-89, Cl. 156-315.000.
Bugle, Clifford M., to Dynamet, Inc. Porous metal coated implant and method for producing same. 4,854,496, 8-8-89, Cl. 228-193.000.
Bugler, Thomas W., III: *See—*
  Kinney, Ohler L., Jr.; and Bugler, Thomas W., III, 4,826,636, Cl. 261-23.100.
Buglino, Steven T.: *See—*
  Zwarun, Andrew A.; and Buglino, Steven T., 4,828,797, Cl. 422-55.000.
Bugmann, Franz: *See—*
  DePaoli, Albano; Lanz, Andreas; Baumgartner, Michael; and Bugmann, Franz, 4,846,389, Cl. 228-17.500.
Bugner, Douglas E.; and Alexandrovich, Peter S., to Eastman Kodak Company. Quaternary ammonium salts. 4,803,017, 2-7-89, Cl. 260-501.150.
Bugner, Douglas E.; and Alexandrovich, Peter S., to Eastman Kodak Company. Quaternary ammonium salts. 4,806,283, 2-21-89, Cl. 260-501.150.
Bugner, Douglas E.; Alexandrovich, Peter S.; De Mejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., to Eastman Kodak Company. New quaternary ammonium salts. 4,806,284, 2-21-89, Cl. 260-501.150.
Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., to Eastman Kodak Company. Electrostatographic toners and developers containing charge-control agents. 4,812,378, 3-14-89, Cl. 430-110.000.
Bugner, Douglas E.; and Alexandrovich, Peter S., to Eastman Kodak Company. Electrostatographic toners and developers containing new charge-control agents. 4,812,380, 3-14-89, Cl. 430-110.000.
Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., to Eastman Kodak Company. Electrostatographic toners and developers containing new charge-control agents. 4,812,381, 3-14-89, Cl. 430-110.000.
Bugner, Douglas E.; and Alexandrovich, Peter S., to Eastman Kodak Company. Electrostatographic toners and developers containing new charge-control agents. 4,812,382, 3-14-89, Cl. 430-110.000.
Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., to Eastman Kodak Company. New quaternary ammonium salts. 4,834,920, 5-30-89, Cl. 260-501.150.
Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., to Eastman Kodak Company. New electrostatographic toners and developers containing new charge-control agents. 4,840,864, 6-20-89, Cl. 430-110.000.
Bugner, Douglas E.; and Alexandrovich, Peter S., to Eastman Kodak Company. Quaternary ammonium salts. 4,851,561, 7-25-89, Cl. 560-14.000.
Bugner, Douglas E.: *See—*
  Anderson, James H., and Bugner, Douglas E., 4,837,391, Cl. 430-110.000.
  Anderson, James H.; Bugner, Douglas E.; DeMejo, Lawrence P.; Sutton, Richard C.; and Wilson, John C., 4,837,392, Cl. 430-110.000.
Bugnet, Bernard; and Doniat, Denis, to Sorapec Societe de Researche et d'Applications Electrtochimiques. Porous metal structure and method of manufacturing of said structure. 4,882,232, 11-21-89, Cl. 428-613.000.
Bugnon, Philippe; and Medinger, Bernhard, to Ciba-Geigy Corporation. Organic pigments coated with metal oxides fixed with ethyl cellulose. 4,808,230, 2-28-89, Cl. 106-483.000.
Bugnon, Philippe; Grubenmann, Arnold; Medinger, Bernhard; and Schaefle, Jean, to Ciba-Geigy Corporation. Organic pigments coated with metal oxides. 4,880,472, 11-14-89, Cl. 106-493.000.
Bugnon, Philippe; and Medinger, Bernhard, to Ciba-Geigy Corporation. Organic pigments coated with crosslinked ethyl cellulose. 4,889,562, 12-26-89, Cl. 106-204.000.
Bugnon, Philippe: *See—*
  Jost, Max; Jaffe, Edward E.; and Bugnon, Philippe, 4,863,522, Cl. 106-494.000.
  von der Crone, Jost; Medinger, Bernhard; and Bugnon, Philippe, 4,865,650, Cl. 106-494.000.
Buhl, Andreas: *See—*
  Leiter, Herbert; Brodalla, Dieter; Wennemann, Harald; Jost, Frantisek; and Buhl, Andreas, 4,844,744, Cl. 134-40.000.
Buhl, Horst; Kleinekathofer, Wolfgang; and Tank, Eggert, to Daimler-Benz Aktiengesellschaft. Coated valve for internal combustion engine. 4,811,701, 3-14-89, Cl. 123-188.0AA.
Buhl Industries, Inc.: *See—*
  Kyhl, Henry, 4,795,252, Cl. 353-122.000.
Buhl, Reinhard, to Lemforder Metallwaren AG. Molecular joint for axle struts and connecting rods and similar parts of motor vehicles. 4,883,263, 11-28-89, Cl. 267-293.000.
Buhler, Charles. Multi car garage adapted vehicle washing apparatus. 4,848,383, 7-18-89, Cl. 134-123.000.
Buhler, Ernst, to AG Fur Industrielle Elektronik Agie. Process and apparatus for employing electroerosion. 4,851,633, 7-25-89, Cl. 219-69.120.
Buhler, Ernst; and Boccadoro, Marco, to AG fur Industrielle. Numerical control system for highly dynamic processes. 4,858,140, 8-15-89, Cl. 364-474.310.
Buhler, Eugen; Strobel, Klaus; and Schwarzmeier, Karl, to Hutschenreuther AG; and Buhler, Eugen. Process for producing press molded articles provided with channels from powdery molding compounds. 4,853,170, 8-1-89, Cl. 264-517.000.
Buhler, Gebruder: *See—*
  Groebli, Werner; Hegelbach, Hugo; and Schaffner, Hanspeter, 4,861,529, Cl. 264-40.100.
Buhler, James E.; Crapser, James R.; Miller, Allen D.; and Wefer, Mark E., to S. C. Johnson & Son, Inc. Piston-powered dispensing system. 4,875,626, 10-24-89, Cl. 239-314.000.
Buhler, Marcel; Darbyshire, John; and Jaccard, Michel, to Nestec S.A. Apparatus for agglomeration. 4,815,958, 3-28-89, Cl. 425-222.000.
Buhler, Otto R.; Simpson, Brian A.; and Twombly, John C., to International Business Machines Corporation. Sinusoidal oscillator with instant start-up. 4,862,113, 8-29-89, Cl. 331-117.00R.
Buhler, Steven A.: *See—*
  ElHatem, Abdul M.; and Buhler, Steven A., 4,853,718, Cl. 346-140.00R.
Buhler, Ulrich; Schophoff, Friedrich; and Weidemuller, Wolf, to Cassella Aktiengesellschaft. Preparation of azo dyestuffs by diazotization and coupling in the presence of an ester. 4,795,807, 1-3-89, Cl. 534-58.000.
Buhler, Ulrich; Tappe, Horst; Kuhn, Reinhard; Bode, Albert; and Boos, Margareta, to Cassella Aktiengesellschaft. 2-cyano-4,6-dinitrophen mono-azo dyes for polyester and cellulose acetate. 4,802,889, 2-7-89, Cl. 8-639.000.
Buhler, Ulrich; Kruse, Hubert; Kuhn, Reinhard; and Boos, Margareta, to Cassella Aktiengesellschaft. Mixtures of blue disperse monoazo dyestuffs. 4,851,012, 7-25-89, Cl. 8-639.000.
Buhler, Ulrich; Hofmann, Klaus; and Hahnke, Manfred, to Bayer Aktiengesellschaft. Mixtures of monoazo dyestuffs. 4,872,883, 10-10-89, Cl. 8-639.000.
Buhler, Ulrich: *See—*
  Hofmann, Klaus; Buhler, Ulrich; and Dietz, Erwin, 4,812,145, Cl. 8-528.000.
Buhlmann, Eugen T.; Biondetti, Mario; and Stotz, Wolf-Gunter, to Sulzer-Escher Wyss AG. Controlled deflection roll. 4,858,2 8-22-89, Cl. 29-116.200.
Buhlmann, Hans: *See—*
  Welzel, Dieter; and Buhlmann, Hans, 4,797,404, Cl. 514-288.000.
Buhlmann, Pierre: *See—*
  Hellquist, Ivan; and Buhlmann, Pierre, 4,887,638, Cl. 137-505.130.
Buhlmayer, Peter; Stanton, James L.; Fuhrer, Walter; Goschke, Richard; Rasetti, Vittorio; and Rueger, Heinrich, to Ciba-Geigy Corporation. Antihypertensive 5-amino-4-hydroxyvaleryl derivatives substituted by sulphur-containing groups. 4,889,869, 12-26-89, Cl. 514-400.000.
Buhlmayer, Peter: *See—*
  Fuhrer, Walter; Buhlmayer, Peter; Rasetti, Vittorio; and Riniker, Bernhard, 4,863,903, Cl. 514-17.000.
Buhmann, Ulrich: *See—*
  Neh, Harribert; Buhmann, Ulrich; Joppien, Hartmut; and Giles, David, 4,837,220, Cl. 514-403.000.
  Neh, Harribert; Buhmann, Ulrich; Wegner, Peter; Joppien, Hartmut; Giles, David; and Rowson, Graham P., 4,888,340, Cl. 514-403.000.
Buhner, Klaus: *See—*
  Hoederath, Wolfgang; Ahr, Hans J.; Buhner, Klaus; Hegazy, Ahmed; and Winter, Manfred, 4,842,856, Cl. 424-101.000.
Buhr, Gerhard: *See—*
  Glaeser, Karl C.; and Buhr, Gerhard, 4,802,312, Cl. 51-321.000.
  Glaeser, Karl C.; Lohmuller, Detlef; Tilmans, Heinz; Genuit, Klaus; Cardinal, Joachim; and Buhr, Gerhard, 4,814,632, Cl. 307-116.000.
Buhr, Tony W. Method of attaching a wrist to a bar for exercising. 4,809,974, 3-7-89, Cl. 272-119.000.
Buhren, Harald, to Robert Bosch GmbH. Arrangement for monitoring a computer system having two processors in a motor vehicle. 4,881,227, 11-14-89, Cl. 371-9.000.
Buhri, Reinhard: *See—*
  Thurner, Elmar; and Buhri, Reinhard, 4,811,883, Cl. 227-10.000.
Buhrke, Gary G.: *See—*
  Rosten, David B.; Perchak, William C.; Foos, Douglas E.; Partlow, Richard L., Jr.; and Buhrke, Gary G., 4,819,829, Cl. 220-346.000.
Buhrman, C. Wayne: *See—*
  Trinidad, John M.; Keesom, Hendrik J.; Buhrman, C. Wayne; and Heinrich, Dedina M., 4,868,851, Cl. 375-40.000.
Buhrs-Zaandam B.V.: *See—*
  Visser, Friedrich W., 4,842,123, Cl. 198-341.000.
Buhs, Christoph; Dreher, Eberhard; and McConchie, Garnet E., to Dow Chemical Company, The. Process for producing ethylene dichloride. 4,849,562, 7-18-89, Cl. 570-241.000.
Bui, Hung Q.: *See—*
  Hall, Dornese; and Bui, Hung Q., 4,807,701, Cl. 166-272.000.
Bui, Le, to Orchid Technology. Interface system between a host computer and a peripheral processor with address detection circuitry. 4,799,150, 1-17-89, Cl. 364-200.000.
Bui, Tuan H., to Harris Semiconductor (Patents) Inc. Binary adder. 4,831,578, 5-16-89, Cl. 364-784.000.
Bui, Vu Q.; Chan, Kevin K.; Hoffarth, Joseph G.; and Malueg, Vicki J., to International Business Machines Corporation. Plasma etch enhancement with large mass inert gas. 4,797,178, 1-10-89, Cl. 156-643.000.
Bui, Vu Q.: *See—*
  Babu, Suryadevara V.; Bui, Vu Q.; Hoffarth, Joseph G.; and Welsh, John A., 4,810,326, Cl. 156-629.000.
Buican, Tudor N.: *See—*
  Martin, John C.; and Buican, Tudor N., 4,887,721, Cl. 209-579.000.
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  Veltrop, Hans; Wesemeyer, Harald; and Buil, Boudewijn J. A. M., 4,849,088, Cl. 204-298.000.
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Buis, Edwin J., to U.S. Philips Corporation. Driving mechanism having a pressure member. 4,872,358, 10-10-89, Cl. 74-99.00R.
Buisson, Dominique; Henry, Francois; Leblanc, Jean; Pfeifle, Helmut; and Pigeroulet, Jean, to Robert Bosch GmbH. Fuel injection device. 4,805,580, 2-21-89, Cl. 123-506.000.
Buisson, Jean-Michel; and Soubrier, Jean-Marie, to Thomson-CSF. Keyboard with alterable configuration. 4,844,637, 7-4-89, Cl. 341-23.000.
Buist, Richard J. Thermoelectric pillow and blanket. 4,859,250, 8-22-89, Cl. 136-225.000.
Buitendijk: *See—*
  Seevinck, Evert; De Jager, Willem; and Buitendijk, 4,857,861, Cl. 330-255.000.
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  Seevinck, Evert; De Jager, Willem; and Buitendijk, Pieter, 4,853,645, Cl. 330-255.000.
Buj, Elena G. Set of eating utensils for children. 4,863,033, 9-5-89, Cl. 206-541.000.
Bujalski, Duane R.; LeGrow, Gary E.; Lipowitz, Jonathan; and Lim, Thomas F., to Dow Corning Corporation. Method of producing silicon carbide preceramic vinyl-containing polymers. 4,824,918, 4-25-89, Cl. 525-479.000.
Bujalski, Duane R.; Le Grow, Gary E.; Lipowitz, Jonathan; and Lim, Thomas F., to Dow Corning Corporation. Method of producing silicon carbide preceramic vinyl-containing polymers. 4,889,899, 12-26-89, Cl. 525-479.000.
Bujard, Hermann; and Le Grice, Stuart, to Hoffmann-La Roche Inc. Gram-positive expression control sequences. 4,868,111, 9-19-89, Cl. 435-68.000.
Bujard, Martial R.; and Tittmann, Bernard R., to Rockwell International Corporation. Method of measuring the dynamic viscosity of a viscous fluid utilizing acoustic transducer. 4,862,384, 8-29-89, Cl. 364-509.000.
Bujese, David P., to Olin Hunt Specialty Products, Inc. Master and master transport assembly registration system. 4,797,714, 1-10-89, Cl. 355-77.000.
Bujese, David P., to Olin Hunt Specialty Products Inc. Web backing plate. 4,855,784, 8-8-89, Cl. 355-272.000.
Bujese, David P.; and Schmidt, Gary W., to Olin Hunt Specialty Products Inc. Method of high resolution of electrostatic transfer of a high density image to a receiving substrate. 4,879,184, 11-7-89, Cl. 430-126.000.
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  Detig, Robert H.; and Bujese, David P., 4,859,557, Cl. 430-100.000.
Bukalo, Alfred I.: *See—*
  Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
Bukatov, Alexandr S.: *See—*
  Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P.; Kovarsky, Alexandr V.; and Egorov, Jury G., 4,805,424, Cl. 66-194.000.
Bukhari, Ahmad I., deceased: *See—*
  Narang, Saran A.; Goodchild, John; and Bukhari, Ahmad I., deceased, 4,830,965, Cl. 435-172.300.
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Bukhonov, Alexei D.: *See—*
  Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F.; Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Alexandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov, Mikhail I.; and Seredkin, Vladimir P., 4,827,767, Cl. 73-253.000.
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Bukoschek, Romuald L.; and Schemmann, Hugo, to U.S. Philips Corporation. Synchronous motor with dynamic damping. 4,827,204, 5-2-89, Cl. 318-702.000.
Bukoschek, Romuald L.: *See—*
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  Bertram, Leo; Schemmann, Hugo; Bukoschek, Romuald L.; and Huszar, Reinhard, 4,807,365, Cl. 30-346.510.
  Diefenbach, Gerhard; Schemmann, Hugo; and Bukoschek, Romuald L., 4,868,435, Cl. 310-47.000.
Bukowski, Eugene R.; and Hoffman, Charles R., to International Business Machines Corp. CMOS reference voltage generation. 4,837,459, 6-6-89, Cl. 307-296.800.
Bukowski, Eugene R.; and Hoffman, Charles R., to International Business Machines Corp. CMOS precision gain amplifier. 4,841,254, 6-20-89, Cl. 330-253.000.
Bukowski, Stanley. Inter-locking corner structure for siding. 4,864,787, 9-12-89, Cl. 52-284.000.
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  Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Chekurishvili, Gia O.; Brekhman, Izrail I.; Bulanov, Alexandr E.; and Polozhentseva, Mira I., 4,877,772, Cl. 514-23.000.
Bulatovic, Srdjan, to Falconbridge Limited; and Highwood Resources Ltd. Froth flotation of bastnaesite. 4,853,113, 8-1-89, Cl. 209-166.000.
Bulatovic, Srdjan; and Jessup, Tim M., to Falconbridge Limited. Depressant for flotation separation of polymetallic sulphidic ores. 4,877,517, 10-31-89, Cl. 209-167.000.
Bulatovic, Srdjan; and Salter, Robert S., to Falconbridge Limited. Separation of polymetallic sulphides by froth flotation. 4,880,529, 11-14-89, Cl. 209-167.000.
Bulau, James R.: *See—*
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Bulick, John G., to Ford Motor Company. Brush holder assembly. 4,868,441, 9-19-89, Cl. 310-239.000.
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Buljan, Sergej-Tomislav; and Sarin, Vinod K., to GTE Laboratories Incorporated. Point attack mine and road milling tool with replaceable cutter tip. 4,804,231, 2-14-89, Cl. 299-91.000.
Buljan, Sergej-Tomislav: *See—*
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Buljan, Sergej-Tomislav V.; and Geary, Earl G., Jr., to GTE Laboratories Incorporated. Titanium diboride-based composite articles with alumina dispersoids, having improved fracture toughness. 4,863,490, 9-5-89, Cl. 51-293.000.
Buljan, Sergej-Tomislav V.; and Geary, Earl G., Jr., to GTE Laboratories Incorporated. Titanium diboride-based composite articles with improved fracture toughness. 4,889,836, 12-26-89, Cl. 501-97.000.

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Nattrass, Peter J., 4,822,179, Cl. 383-17.000.
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Morganti, Victor M.; and Geyer, James B., 4,833,603, Cl. 364-200.000.
Morganti, Victor M.; and Prange, Patrick E., 4,866,599, Cl. 364-200.000.
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Webster, Raymond J., Jr.; and DiChiara, Joseph G., 4,885,679, Cl. 364-200.000.
Yu, Kin C.; and Hirtle, Allen C., 4,831,518, Cl. 364-200.000.
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Macciantı, Tiziano; and Raimondi, Luciano, 4,849,979, Cl. 371-68.000.
Ricci, Raffaele; and Rotondi, Gabriele, 4,835,655, Cl. 361-159.000.
Bull, John A. Handwarmer pack. 4,862,519, 9-5-89, Cl. 2-66.000.
Bull, John W. Full body, shock-free aerobic and anaerobic exercising machine for use in the standing position. 4,830,362, 5-16-89, Cl. 272-70.000.
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Briane, Alain; Chevalier, Michel; and Bouaziz, Joel, 4,806,744, Cl. 235-477.000.
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Fontan, Jacques; Kurzweil, Karel; and Dehaine, Gerard, 4,812,949, Cl. 361-386.000.
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Bull, Timothy B. H.; Dzubak, Alan L.; and Isdahl, Darwin H., to Loram Maintenance of Way, Inc. Rail grinding machine. 4,829,721, 5-16-89, Cl. 51-178.000.
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Bullard, Calvin P.; and Szubelick, F. Paul. Method and apparatus for molding expandable polystyrene foam articles. 4,801,361, 1-31-89, Cl. 264-40.600.
Bullard, Calvin P.; and Szubelick, F. Paul. Apparatus for molding expandable polystyrene foam articles. 4,813,859, 3-21-89, Cl. 42 4.00R.
Bullard, Douglas G., to Morton Thiokol, Inc. Multiple pulse inertia arm/disarm switch. 4,815,381, 3-28-89, Cl. 102-247.000.
Bullard, Edward M.; and Herrington, Fox J., to Mobil Oil Corporation. Thermoplastic draw tape bag with tacky closure surface. 4,842,4 6-27-89, Cl. 383-61.000.
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Bullard, Gary M. Combination automobile and airplane. 4,881,7 11-21-89, Cl. 244-49.000.
Bullard, Horace. Apparatus and method for movement of blood b external pressure. 4,865,020, 9-12-89, Cl. 128-64.000.
Bullard, Peter H., to Dill Products Incorporated. Secondary termin lock. 4,824,404, 4-25-89, Cl. 439-752.000.
Bullard, Roy P.; and Bayh, Russell I., III, to Otis Engineering Corporation. Seal assembly for well locking mandrel. 4,811,959, 3-14-89, C 277-124.000.
Bullard, Roy P., to Otis Engineering Corporation. Running and pulli tool. 4,838,594, 6-13-89, Cl. 294-86.180.
Bullen, Peter: *See—*
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Buller, Michael J., to Rolls-Royce plc. Modified friction locking ri 4,798,406, 1-17-89, Cl. 285-320.000.
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Bullerman, Steve; and Bullerman, Rick. Feed spreader. 4,832,5 5-23-89, Cl. 406-98.000.
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Bullinger, Siegfried; Busch, Walter; and Sperrle, Willi, to Bausch & Strobel Maschinenfabrik GmbH & Co. Device for testing and repr cessing of objects. 4,795,519, 1-3-89, Cl. 156-363.000.
Bullings, Bruce R.: *See—*
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Shelar, Gary R.; and Bullings, Bruce R., 4,819,668, Cl. 131-371.00
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Bullivant, Kenneth W.; and Falco, Sam C., to K-Tron Internationa Inc. Anti-theft product rack and method. 4,819,015, 4-4-89, C 340-568.000.
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Bullivant, Roger A., to Roger Bullivant of Texas, Inc. Support fo building structures. 4,824,292, 4-25-89, Cl. 405-229.000.
Bullivant, Roger A., to Roger Bullivant of Texas, Inc. Methods fo underpinning unstable structures. 4,834,582, 5-30-89, Cl. 405-230.00
Bullivant, Roger A., to Roger Bullivant of Texas, Inc. Soil displaceme tools. 4,840,517, 6-20-89, Cl. 405-241.000.

Bullock, Benton L., to General Motors Corporation. Hydraulic control for a power transmission with a manual range selector valve. 4,841,816, 6-27-89, Cl. 74-866.000.
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Bullock, Donald. Oxidation saturation device. 4,874,509, 10-17-89, Cl. 210-169.000.
Bullock, James B.; and Azel, Agustin M., to Baxter International Inc. Bearingless flowmeter. 4,833,925, 5-30-89, Cl. 73-861.790.
Bullock, James K.; Mann, L. Arnold; and Kuni, Daniel R., to Baxter Travenol Laboratories, Inc. Connector for esophageal probe. 4,796,615, 1-10-89, Cl. 128-202.270.
Bullock, Joseph J.; Hatch, Wayne L.; and Tackles, George, to Cap Snap Co. Tamper-resistant cap for wide mouth jar. 4,798,301, 1-17-89, Cl. 215-256.000.
Bullock, Joseph J., III, to Cap Snap Co. Tamper-evident cap having plural diameters. 4,815,620, 3-28-89, Cl. 215-256.000.
Bullock, Joseph J., III, to Cap Snap Co. Tamper-evident cap and neck structure. 4,844,268, 7-4-89, Cl. 215-256.000.
Bullock, Michael L.: *See—*
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Kerschner, Ronald K.; and Bullock, Michael L., 4,818,933, Cl. 324-158.00F.
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Bullock, Wesley; and Whittenberger, William A., to W. R. Grace & Co.-Conn. Particulate trap. 4,823,583, 4-25-89, Cl. 72-196.000.
Bullock, Wesley P.; and Whittenberger, William A., to W. R. Grace & Co.-Conn. Non-nesting, straight corrugation metal foil and method for making same. 4,810,588, 3-7-89, Cl. 428-603.000.
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Bulmahn, David J.; and Schaffner, David A., to NCR Corporation. Single level D.C. output voltage power supply. 4,864,488, 9-5-89, Cl. 363-143.000.
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Bulman, Melvin J., to General Electric Company. Liquid propellant weapon system. 4,852,459, 8-1-89, Cl. 89-7.000.
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Bulso, Joseph D., Jr.; and McClung, James A., to Redicon Corporation. Method for controlling movement in a single action forming press. 4,796,454, 1-10-89, Cl. 72-350.000.
Bulso, Joseph D., Jr.; and McClung, James A., to Redicon Corporation. Method and apparatus for accommodating thermal expansion and other variances in presses. 4,800,743, 1-31-89, Cl. 72-336.000.
Bulso, Joseph D., Jr.; and McClung, James A., to Redicon Corporation. Method and apparatus for forming container end panels. 4,808,052, 2-28-89, Cl. 413-8.000.
Bulso, Joseph D., Jr.; and McClung, James A., to Redicon Corporation. Method and apparatus for forming container with profiled bottom. 4,826,382, 5-2-89, Cl. 413-69.000.
Bulso, Joseph D., Jr.; and McClung, James A., to Redicon Corporation. Apparatus for controlling movement in a single action forming press. 4,873,859, 10-17-89, Cl. 72-336.000.
Bulson, Laura G.; Misenheimer, Laura P.; and Sebrosky, Robert A., to International Business Machines Corporation. Electromagnetic actuator having improved dampening means. 4,839,621, 6-13-89, Cl. 335-277.000.
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Bollong, Alan B. L.; Bult, Roelof P.; and Proux, Gary T., 4,888,051, Cl. 75-10.110.
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Hilker, G. Daniel; Lausen, Verne H.; Coon, Jessie H.; Bodette, James E.; Grimes, Jerry L.; Wright, Roger D.; Disque, Donny R.; and Bultemeier, Keith D., 4,826,706, Cl. 427-120.000.
Bulten, Eric J.: *See—*
Timmer, Klaas; Meinena, Harmen A.; and Bulten, Eric J., 4,831,008, Cl. 502-328.000.
Bulten, Paul J., to Fence Hardware Specialties, Inc. Gate support latch. 4,887,854, 12-19-89, Cl. 272-238.000.
Bultman, David L.; and Fung, Anthony, to Micropolis Corporation. Parallel drive array storage system. 4,870,643, 9-26-89, Cl. 371-11.100.
Buluschek, Bruno, to Maillefer S.A. Method and installation for producing hose for drip irrigation. 4,859,264, 8-22-89, Cl. 156-244.130.
Buma, Douglas J.: *See—*
Bowling, Bruce A.; Buma, Douglas J.; Gamble, Bruce W.; and Donaldson, Robert D., 4,809,015, Cl. 346-75.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, to Toyota Jidosha Kabushiki Kaisha. Gas suspension system for easier start-up of a compressor. 4,799,707, 1-24-89, Cl. 280-711.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, to Toyota Jidosha Kabushiki Kaisha. Electronic controlled air suspension system. 4,826,141, 5-2-89, Cl. 267-64.280.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, to Toyota Jidosha Kabushiki Kaisha. Electronic controlled gas suspension system. 4,834,418, 5-30-89, Cl. 280-707.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, to Toyota Jidosha Kabushiki Kaisha. Vehicle air suspension circuit with a changeover means and a low pressure reservoir that surrounds a high pressure reservoir. 4,836,511, 6-6-89, Cl. 267-64.160.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, to Toyota Jidosha Kabushiki Kaisha. Vehicle fluid suspension circuit. 4,836,575, 6-6-89, Cl. 280-702.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, to Toyota Jidosha Kabushiki Kaisha. Electronically controlled fluid suspension system. 4,852,906, 8-1-89, Cl. 280-707.000.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, to Toyota Jidosha Kabushiki Kaisha. Electronically controlled fluid suspension system. 4,856,798, 8-15-89, Cl. 280-6.110.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, to Toyota Jidosha Kabushiki Kaisha. Vehicle fluid suspension circuit with equalized supply and discharge speeds. 4,858,895, 8-22-89, Cl. 267-64.160.
Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, to Toyota Jidosha Kabushiki Kaisha. Electronically controlled fluid suspension system. 4,869,528, 9-26-89, Cl. 280-707.000.
Bumanlag, Reynaldo G.: *See—*
Lautenschlaeger, Friedrich K. W.; Bumanlag, Reynaldo G.; and Box, James A., 4,814,215, Cl. 428-40.000.
Bumbalough, John E., to Wisconsin Milk Marketing Board, Inc. Spreadable product having an anhydrous milk fat component. 4,839,190, 6-13-89, Cl. 426-603.000.
Bumgardner, Jon H.: *See—*
Hinman, Daryl E.; Anderson, Vernon A.; and Bumgardner, Jon H., 4,819,190, Cl. 364-521.000.
Bumgardner, Timothy G.: *See—*
Argyropoulos, John N.; Derderian, Edmond J.; Keen, Brian T.; and Bumgardner, Timothy G., 4,883,906, Cl. 560-238.000.
Bumpus, Patrick D. U.V. Detectable flame retardant treatment. 4,824,483, 4-25-89, Cl. 106-18.120.
Buna, Tibor; and Miller, William H., to Martin Marietta Corporation. Conical contact heat exchanger. 4,799,541, 1-24-89, Cl. 165-78.000.
Bunce, James W., to Kaldair Limited. Stack system. 4,800,690, 1-31-89, Cl. 52-146.000.
Bunce, Roger A.: *See—*
Whitehead, Thomas P.; Thorpe, Gary H. G. H.; Kricka, Larry J.; Gibbons, John E. C.; and Bunce, Roger A., 4,879,097, Cl. 422-67.000.
Bunch, Earnest B., Jr. Timing adjustment mechanism for continuous form stationery folding machine. 4,820,250, 4-11-89, Cl. 493-414.000.
Bunch, Richard P.: *See—*
Franklin, Craig A.; Parracho, Rui M.; Smith, Lloyd S.; Bunch, Richard P.; Boys, Jack A., II; Gross, Alexander L.; and Pagluiso, Robert W., 4,794,707, Cl. 36-107.000.
Bundens, Allan B.: *See—*
Campbell, John G.; Schoeneberger, Carl F.; Bundens, Allan B.; Fogle, Richard M.; and Lemburg, John R., 4,862,268, Cl. 358-141.000.
Schoeneberger, Carl F.; and Bundens, Allan B., 4,860,379, Cl. 455-5.000.
Bundens, Robert G.; and Herbst, Joseph A., to Mobil Oil Corporation. Cracking catalyst. 4,880,787, 11-14-89, Cl. 502-65.000.
Bundle, David R.; Perry, Malcolm B.; Cherwonogrodzky, John W.; Duncan, J. Robert; and Caroff, Martine G., to Canadian Patents and Development Limited. Antigenic polysaccharide specific to *Brucella abortus* and *Yersinia enterocolitica* serotype 0:9. 4,831,126, 5-16-89, Cl. 536-53.000.
Bundy Corporation: *See—*
Clark, Clifford D.; and Adkins, Delbert L., 4,807,502, Cl. 82-53.100.
Bundy, Gordon L.; and Lin, Chiu-Hong, to Upjohn Company, The. 1,4-naphthalenediol and 1,4-hydroquinone derivatives. 4,851,586, 7-25-89, Cl. 568-633.000.
Bundy, John E., to Sundstrand Corporation. Servo loop control system with dynamic limiting. 4,801,857, 1-31-89, Cl. 318-626.000.
Bundy, Mark L. Thermal shroud for a gun tube. 4,841,836, 6-27-89, Cl. 89-14.100.
Bunel, Gerard; Charquet, Daniel; and Dombre, Max, to Compagnie Europeenne Du Zirconium Cezus. Zircaloy 2 or Zircaloy 4 strip having specified tensile and elastic properties. 4,881,992, 11-21-89, Cl. 148-421.000.
Buneman, Oscar, to Leland Stanford Junior University, The Board of Trustees of the. Apparatus and method for generating a sequence of sines or cosines. 4,878,187, 10-31-89, Cl. 364-721.000.
Bung, Richard: *See—*
Doncker, Francis; Helber, Rolf; Welzel, Gerhard; and Bung, Richard, 4,852,533, Cl. 123-192.00R.
Bungard, John R.: *See—*
Davidson, David M.; Bungard, John R.; and Gatward, Robert, 4,809,260, Cl. 370-58.000.
Bungard, Kevin O., to Rockwood Manufacturing Company. Heat triggered door jamming mechanism. 4,884,832, 12-5-89, Cl. 292-173.000.
Bungardt, Gabriele: *See—*
Brint, Gary T.; Bungardt, Gabriele; Gedecke, Jerel C.; Harris, Robert L.; and Kraz, Vladimir, 4,876,712, Cl. 379-387.000.

Bunge (Australia) Pty. Ltd.: *See—*
Patroni, Joseph J.; and Brandon, Malcolm R., 4,797,474, Cl. 530-351.000.
Bunge, David J.: *See—*
Wright, Antony P.; and Bunge, David J., 4,861,907, Cl. 556-419.000.
Bunick, Frank J.: *See—*
Shaw, James J.; and Bunick, Frank J., 4,857,331, Cl. 424-440.000.
Bunk, Paul H. Rotary valve internal combustion engine. 4,815,428, 3-28-89, Cl. 123-190.0BD.
Bunka Shutter Co., Ltd.: *See—*
Kasai, Masanori, 4,838,331, Cl. 160-36.000.
Bunka, Stephan F.: *See—*
Finkel, A. Milton; and Bunka, Stephan F., 4,884,420, Cl. 70-58.000.
Bunke, Clinton R. Walk ease ski boot soles. 4,811,504, 3-14-89, Cl. 36-132.000.
Bunkenburg, Joachim; and Hammond, Peter M., to Eastman Kodak Company. Apparatus for treating wafers utilizing megasonic energy. 4,854,337, 8-8-89, Cl. 134-184.000.
Bunker, Bruce C.; Lamppa, Diana L.; and Voigt, James A., to United States of America, Energy. Superconductor precursor mixtures made by precipitation method. 4,839,339, 6-13-89, Cl. 505-1.000.
Bunker, James E., to Minnesota Mining and Manufacturing Company. (Meth)acrylic esters of phosphoric acid ester dihalides. 4,855,475, 8-8-89, Cl. 558-182.000.
Bunker Ramo Corporation: *See—*
Russello, Vincent J., 4,837,764, Cl. 371-20.000.
Bunker, Stephen N.; and Sioshansi, Piran, to Spire Corporation. Method and apparatus for the ion implantation of spherical surfaces. 4,872,922, 10-10-89, Cl. 148-4.000.
Bunker, William M.; Merz, Donald M.; and Fadden, Richard G., to General Electric Company. Method of edge smoothing for a computer image generation system. 4,811,245, 3-7-89, Cl. 364-521.000.
Bunker, William M., to General Electric Company. Dynamic comprehensive distortion correction in a real time imaging system. 4,862,388, 8-29-89, Cl. 364-521.000.
Bunkoczy, Bela, to Allied-Signal Inc. Pressure vessel. 4,817,855, 4-4-89, Cl. 228-171.000.
Bunn, James S.: *See—*
Owsley, Herbert B.; and Bunn, James S., 4,819,689, Cl. 137-512.100.
Bunn-O-Matic Corporation: *See—*
Brewer, Alan W., 4,867,048, Cl. 99-283.000.
Brewer, Alan W., 4,869,158, Cl. 99-279.000.
Nidiffer, Charles A.; Anson, James H.; Ephraim, Daniel R.; and Ephraim, Philip C., 4,813,622, Cl. 241-100.000.
Bunnell, Robert L.; Miller, Henry W.; and Padilla, Joseph R., to Mobil Oil Corporation. Subsea template leveling wafer and leveling method. 4,830,542, 5-16-89, Cl. 405-227.000.
Bunnelle, William L.: *See—*
Marhevka, Virginia C.; Zimmel, John M.; Messman, Elizabeth R.; Bunnelle, William L.; and Swoboda, Jeffrey M., 4,808,255, Cl. 156-307.300.
Marhevka, Virginia C.; Zimmel, John M.; Messman, Elizabeth R.; and Bunnelle, William L., 4,820,368, Cl. 156-307.300.
Zimmel, John M.; Klinkenberg, Pamela M.; Bunnelle, William L.; and Knutson, Keith C., 4,871,803, Cl. 525-89.000.
Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; Sugiura, Tsutomu; and Ichihara, Yoshihiro, to Kuraray Co., Ltd. 12α-substituted pregna-1,4-diene-3,20-diones. 4,867,913, 9-19-89, Cl. 260-397.450.
Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; and Ichihara, Yoshihiro, to Kuraray Co., Ltd. Pregnane derivatives and method of producing the same. 4,867,914, 9-19-89, Cl. 260-397.470.
Bunsen, Christopher M., to Hewlett-Packard Company. Generic equation solver interface for solving mathematical equations. 4,845,652, 7-4-89, Cl. 364-709.140.
Bunshah, Rointan F.: *See—*
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Buntaine, James R.: *See—*
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Roberts, Luther C.; Moore, William E.; Buntaine, James R.; and Brady, Robert V., 4,865,944, Cl. 430-495.000.
Bunter, Guy: *See—*
Giddey, Claude; and Bunter, Guy, 4,882,181, Cl. 426-74.000.
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Bunting, Inc.: *See—*
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Bunting, Kemp R., to Amoco Corporation. Bottle depalletizer tool. 4,807,917, 2-28-89, Cl. 294-87.240.
Bunting, Pamela M.: *See—*
Silver, Richard S.; Bunting, Pamela M.; Moon, William G.; and Acheson, Willard P., 4,799,545, Cl. 166-246.000.
Bunting, Richard M.: *See—*
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Acampora, Alfonse A.; and Bunting, Richard M., 4,888,640, Cl. 358-133.000.
Fedele, Nicola J.; Acampora, Alfonse A.; Bunting, Richard M.; and Waldman, Harvey, 4,831,439, Cl. 358-133.000.
Buntrock, Robert E.: *See—*
Cebalo, Tony; and Buntrock, Robert E., 4,876,044, Cl. 71-90.000.
Bunyea, Roderick F., to Black & Decker, Inc. Latching arrangement for battery packs. 4,871,629, 10-3-89, Cl. 429-97.000.
Bunyea, Roderick F.; and Zurwelle, Donald W., to Black & Decker, Inc. Cord retainer for a portable electric tool. 4,875,879, 10-24-89, Cl. 439-501.000.
Bunz, Georg. Gem setting. 4,800,738, 1-31-89, Cl. 63-26.000.
Bunz, Rosa; Dzionara, Christine; and Tompe, Karl, to Maschinenvertrieb Kohlbrat & Bunz Gesellschaft mbH. Back-pack frame. 4,871,101, 10-3-89, Cl. 224-153.000.
Buob, Haven E.; and Buob, Rebecca A. Agricultural marking device. 4,826,062, 5-2-89, Cl. 225-2.000.
Buob, Rebecca A.: *See—*
Buob, Haven E.; and Buob, Rebecca A., 4,826,062, Cl. 225-2.00
Buoli, Carlo, to Siemens Telecommunicazioni S.p.A. Microstrip transmission line for coupling to a dielectric resonator. 4,875,025, 10-17-8 Cl. 333-230.000.
Buonamici, Metilde; Pegrassi, Lorenzo; Rossi, Alessandro; and Mategani, Sergio, to Farmitalia Carlo Erba S.p.A. Antiparkinson ergoline derivatives. 4,847,253, 7-11-89, Cl. 514-253.000.
Buonanno, Samuel S., to Schlegel Corporation. Multi-function gaske 4,857,668, 8-15-89, Cl. 174-35.0GC.
Buonicore, Anthony J.; and Desai, Pankaj R., to Chemrox, Inc. Process for olefin oxide detoxification. 4,831,196, 5-16-89, Cl. 568-867.00
Buono, Gerard: *See—*
Petit, Michele; Mortreux, Andre; Petit, Francis; and Buono, Gerard, 4,877,908, Cl. 568-814.000.
Buonomo, Franco: *See—*
Bellussi, Giuseppe; Buonomo, Franco; Esposito, Antonio; Clerici, Mario; Romano, Ugo; and Notari, Bruno, 4,859,785, C 549-531.000.
Neri, Carlo; Anfossi, Bartolomeo; Esposito, Antonio; an Buonomo, Franco, 4,833,260, Cl. 549-531.000.
Romano, Ugo; Clerici, Mario G.; Bellussi, Giuseppe; an Buonomo, Franco, 4,849,387, Cl. 502-64.000.
Buonomo, Joseph P.; Losinger, Raymond E.; and Oliver, Burton L., t International Business Machines Corporation. Apparatus and metho for direct memory to peripheral and peripheral to memory da transfers. 4,814,977, 3-21-89, Cl. 364-200.000.
Buote, William J.: *See—*
Hutchins, Burleigh M.; Buote, William J.; Roe, John S.; Vollinge Warren R.; Wagner, Susan M.; and Sullivan, Anne M., 4,835,7 Cl. 364-513.000.
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Buranathanit, Pinyawat. Automobile door lock warmer. 4,822,57 4-18-89, Cl. 219-202.000.
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Burba, John L., III; and Bauman, William C., to Dow Chemical Company, The. Intercalations of crystalline lithium aluminates. 4,812,24 3-14-89, Cl. 252-17.000.
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Burba, Phillip E., to Dynasauer Corporation. Replaceable pipe lin assembly. 4,887,848, 12-19-89, Cl. 285-55.000.
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Burbank, John J., Jr.: *See—*
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Burch, Elsward K., to Nu-Tech Systems, Inc. Tire debeading machin 4,873,759, 10-17-89, Cl. 29-700.000.
Burch, Hadley K.: *See—*
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Burch, Harry C.: *See—*
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Burch, Kenneth R.: *See—*
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Burch, Lester G.: *See—*
Summons, Wayne L.; and Burch, Lester G., 4,863,014, Cl. 206-45.310.
Burch, Lyndon W.; and Burch, Hadley K., to B/K Patent Development, Inc. Snap action devices and methods and apparatus for making same. 4,796,355, 1-10-89, Cl. 29-622.000.
Burch, Richard A.; McMahan, Dennis B.; and Yedid, Harry, to Motorola, Inc. Modem with improved timing recovery using equalized data. 4,805,191, 2-14-89, Cl. 375-11.000.
Burch, Richard M. Aggregate stabilization. 4,822,425, 4-18-89, Cl. 106-273.100.
Burch, Robert H.; and Gravelle, Joseph M., to Pennwalt Corporation. Automated calorimeter and methods of operating the same. 4,846,584, 7-11-89, Cl. 374-31.000.
Burch, Robert R., to Du Pont de Nemours, E. I., and Company. Process for adhering aramid polymers. 4,889,579, 12-26-89, Cl. 156-305.000.
Burch, Robert V., to Nicolet Corporation. Start of scan circuit for FTIR spectrometer. 4,799,001, 1-17-89, Cl. 318-640.000.
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Lapeyre, James M.; Farrell, John P.; Burch, Ronald H.; Sutton, Mark E.; and Scamardo, Joseph F., Jr., 4,847,954, Cl. 17-54.000.
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Burchall, James J.; Bushby, Stanley R. M.; Cullen, Robert; Dunkley, Michael J. W.; and Ferone, Robert, to Burroughs Wellcome Co. Potentiating formulations. 4,795,639, 1-3-89, Cl. 514-249.000.
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Burchett, Robert B.; and Peebles, Douglas D., to Motorola, Inc. Self-retaining actuator. 4,845,325, 7-4-89, Cl. 200-302.200.
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Burchill, Michael T.; Rafiei, Maryam; and Silbermann, Joseph, to M&T Chemicals Inc. Process for surface modification of polymer articles. 4,868,011, 9-19-89, Cl. 427-160.000.
Burckett St. Laurent, James C. T. R.; and Busch, Alfred, to Procter & Gamble Company, The. Laundry compositions. 4,806,253, 2-21-89, Cl. 252-8.800.
Burckhardt, Manfred; and Zimmer, Richard, to Daimler-Benz Aktiengesellschaft. Anti-blocking system for a road vehicle having a hydraulic multi-circuit brake installation. 4,826,257, 5-2-89, Cl. 303-111.000.
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Burczynski, Thomas J. Method of fabrication of a bullet having sections separable upon impact. 4,882,822, 11-28-89, Cl. 29-1.220.
Burd, Allen. Double weep hole drain and method. 4,845,914, 7-11-89, Cl. 52-741.000.
Burd, Raanan. Rigging clamp and guage. 4,815,408, 3-28-89, Cl. 114-109.000.
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Burdick, Brent A.; and Danielson, Susan J., to Eastman Kodak Company. Fluorescent labels having a polysaccharide bound to polymeric particles. 4,801,504, 1-31-89, Cl. 428-403.000.
Burdick, Brent A.; Wu, Tai-Wing; Hilborn, David A.; and Spayd, Richard W., to Eastman Kodak Company. Analytical element and its use in a whole blood hemoglobin assay. 4,880,749, 11-14-89, Cl. 436-66.000.
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Burdick, Charles L., to Aqualon Company. Aqueous suspension of carboxymethylcellulose. 4,883,537, 11-28-89, Cl. 106-194.000.
Burdick, Patricia E.: *See—*
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Bureau, Jean-Marc: *See—*
Poupard, Dominique; and Bureau, Jean-Marc, 4,855,022, Cl. 204-130.000.
Burenga, Thomas I., to Worksaver, Inc. Reinforcement means for tines and method of manufacture. 4,859,136, 8-22-89, Cl. 414-607.000.
Bures, Milan; Kratochvil, Paul P.; and Rowlette, John R., to AMP Incorporated. Infrared touch input device having ambient compensation. 4,855,590, 8-8-89, Cl. 250-221.000.
Bures, Pavel: *See—*
Kotrba, Zdenek; Jaros, Frantisek; Burysek, Frantisek; Kubovy, Miloslav; Hejduk, Jiri; and Bures, Pavel, 4,852,340, Cl. 57-301.000.
Burford, Charles E.; and Frazier, Jimmy R., to Burford Corp. Wire tying device. 4,856,258, 8-15-89, Cl. 53-138.00A.
Burford Corp.: *See—*
Burford, Charles E.; and Frazier, Jimmy R., 4,856,258, Cl. 53-138.00A.
Fagan, John E.; and Droke, A. Farrel, 4,876,934, Cl. 83-879.000.
Burford, Sidney C.; and Hardern, David N., to Fisons plc. Pyrazoline compounds compositions and use. 4,824,859, 4-25-89, Cl. 514-403.000.
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Appleton, Richard A.; Dixon, John; and Burford, Sidney C., 4,803,216, Cl. 514-407.000.
Appleton, Richard A.; Burford, Sidney C.; Hardern, David N.; and Wilkinson, David, 4,810,719, Cl. 514-406.000.
Burg, John S.; Enn, Hirochika; and Freshwater, Lane A., to Minnesota Mining and Manufacturing Company. Overmolded electrical contact for the manufacture of connectors. 4,865,562, 9-12-89, Cl. 439-395.000.
Burg, Richard W.; Dulaney, Eugene L.; Hensens, Otto D.; Liesch, Jerrold M.; Ondeyka, John G.; and Wichmann, Carol F., to Merck & Co. Inc. Anti-inflammatory and antidegenerative compounds isolated from L-681,512. 4,871,727, 10-3-89, Cl. 514-179.000.
Burg, Richard W.: *See—*
Borris, Robert P.; Burg, Richard W.; Hensens, Otto D.; Huang, Leeyuan; Kelemen, Livia; and Mochales, Sagrario, 4,814,324, Cl. 514-26.000.
Burg, Robert J., to Uni Corp. Structural framework system and clamp assembly. 4,864,795, 9-12-89, Cl. 523-646.000.
Burgbacher, Guenther F.: *See—*
Millay, Lawrence I.; and Burgbacher, Guenther F., 4,870,786, Cl. 51-281.00R.
Burgdorf, Jochen; and Latka, Franz, to Alfred Teves GmbH. Electric switching device. 4,802,710, 2-7-89, Cl. 303-11.000.
Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; and Beller, Hans-Albert, to Alfred Teves GmbH. Hydraulic brake system with anti-skid control and/or traction slip control. 4,804,236, 2-14-89, Cl. 303-116.000.
Burgdorf, Jochen, to Alfred Teves GmbH. Brake system with slip control for automotive vehicles with front-wheel or rear-wheel drive. 4,824,189, 4-25-89, Cl. 303-119.000.
Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; Ocvirk, Norbert; Becker, Horst P.; and Determann, Otto, to Alfred Teves GmbH. Anti-lock brake system with traction slip control. 4,840,436, 6-20-89, Cl. 303-119.000.
Burgdorf, Jochen; and Weize, Lutz, to Alfred Teves GmbH. Brake system with anti-locking and/or traction slip control. 4,883,328, 11-28-89, Cl. 303-116.000.
Burge, David L.: *See—*
Zimmerman, Nancy J.; and Burge, David L., 4,845,583, Cl. 360-133.000.
Burge, Jack: *See—*
Mosciatti, Roger; Foley, Thomas P.; Moritz, Frederick; and Burge, Jack, 4,828,406, Cl. 400-23.000.
Burgei, Russel J.; and Schap, William W., to ITT Corporation. Electrically operated actuator for rear parking brake cables including driver and driven members rotatably mounted about same pivot pin. 4,795,002, 1-3-89, Cl. 188-2.00D.
Burgei, Russell J., to ITT Corporation. Console integrated pull to release parking brake actuator. 4,864,886, 9-12-89, Cl. 74-536.000.
Burgemeister, Eduard A.: *See—*
Hobbelt, Hendrik J. H.; Burgemeister, Eduard A.; and Kroon, Theodorus J. P. M., 4,802,662, Cl. 271-20.000.

Burger, Artur: *See—*
  Brox, Werner; and Burger, Artur, 4,829,057, Cl. 514-152.000.

Burger, Christa: *See—*
  Preiner, Gerhard; Hockemeyer, Friedrich; and Burger, Christa, 4,861,807, Cl. 522-99.000.

Burger, Daniel: *See—*
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Burger, Diethard: *See—*
  Ullrich, Lothar; Jung, Gunter; Burger, Diethard; Alschweig, Hans-Gunther; Schonborn, Hartmut; and Heinzel, Winfried, 4,862,609, Cl. 38-93.000.

Burger, Fredric W.: *See—*
  Winkler, Theodore; and Burger, Fredric W., 4,877,230, Cl. 271-3.000.

Burger, Heinz-Dieter; and Saulgeot, Claude, to Alcatel Hochvakuumtechnik GmbH. High-vacuum pump having a bell-shaped rotor. 4,806,074, 2-21-89, Cl. 415-72.000.

Burger, Howard. Modulation system for evoked response stimulation and method. 4,815,475, 3-28-89, Cl. 128-741.000.

Burger, Karl H., to Neue Rotoprint GmbH. Sheet feeder for sheet-processing machines. 4,799,664, 1-24-89, Cl. 271-277.000.

Burger, Karl-Heinz; Collmer, Rosemarie; Fimpel, Walter; Gieseler, Klaus; Kochendorfer, Heinrich; and Steegmuller, Helmut, to Robert Bosch GmbH. Conveyor device for transporting workpieces. 4,815,584, 3-28-89, Cl. 198-463.300.

Burger, Manfred R.: *See—*
  Burger, Thomas F.; Collins, David M.; Collins, Stephen M.; and Burger, Manfred R., 4,846,856, Cl. 55-106.000.

Burger, Marilyn S.; and McKee, John M., to Motorola, Inc. Cord stowage apparatus. 4,802,638, 2-7-89, Cl. 242-85.100.

Burger, Marilyn S.: *See—*
  McKee, John M.; and Burger, Marilyn S., 4,838,661, Cl. 350-345.000.
  Oliwa, Gary A.; and Burger, Marilyn S., 4,856,088, Cl. 455-349.000.

Burger, Raymond M., to Allied Automation Systems, Inc. Method and apparatus for assuring proper bead seating of tubeless tires upon wheel rims. 4,834,159, 5-30-89, Cl. 157-1.000.

Burger, Reinhard, to HAAF GmbH. Girder. 4,829,736, 5-16-89, Cl. 52-720.000.

Burger, Thomas F.; Collins, David M.; Collins, Stephen M.; and Burger, Manfred R. Circulating air scrubber. 4,846,856, 7-11-89, Cl. 55-106.000.

Burger, Walter; Liebman, Arnold A.; and Perry, Clark W., to Hoffmann-La Roche Inc. Radiolabeled benzazepine. 4,820,835, 4-11-89, Cl. 540-577.000.

Burger, Walter; Liebman, Arnold A.; and Berry, Clark W., to Hoffmann-La Roche Inc. Radiolabeled benzazepine. 4,869,895, 9-26-89, Cl. 424-1.100.

Burger, Wilhelm F.; Carson, Mark E.; Johri, Abhai; and Stokes, Ellen J., to International Business Machines Corporation. Remote trusted path mechanism for telnet. 4,885,789, 12-5-89, Cl. 380-25.000.

Burger, Wolfgang; Wloka, Gert; and Sommer, Helmut, to Feldmuehle Aktiengesellschaft. Ski. 4,813,699, 3-21-89, Cl. 280-610.000.

Burgers, August, to Europatent S.A. Enclosure frame for facing a wall opening. 4,803,815, 2-14-89, Cl. 52-210.000.

Burgess and Associates Manufacturing, Inc.: *See—*
  Burgess, Harry L., 4,872,530, Cl. 184-6.120.

Burgess, Billie J. Downrigger fishing line holder. 4,872,281, 10-10-89, Cl. 43-43.120.

Burgess, Bruce; and Martin, Glenn, to Diamond Sensor Systems. Combined pH and dissolved carbon dioxide gas sensor. 4,818,361, 4-4-89, Cl. 204-406.000.

Burgess, Bruce M.: *See—*
  Enzer, Steven; Burgess, Bruce M.; Wyman, Jack S.; and Hendershot, Ricky, 4,871,439, Cl. 204-401.000.

Burgess, Dale L.: *See—*
  Smith, Donald A.; Carter, William H.; Dingfelder, Howard E.; Burgess, Dale L.; and Gates, Alan B., 4,879,808, Cl. 29-845.000.

Burgess, David. Collapsible vehicular trailer. 4,822,069, 4-18-89, Cl. 280-402.000.

Burgess, Dennis F. Container for carrying live fish. 4,815,411, 3-28-89, Cl. 114-255.000.

Burgess, Edward M.: *See—*
  Liotta, Charles L.; and Burgess, Edward M., 4,801,728, Cl. 558-348.000.

Burgess, Edward T.: *See—*
  Kershner, Carl J.; and Burgess, Edward T., 4,827,224, Cl. 330-294.000.
  Kershner, Carl J.; and Burgess, Edward T., 4,859,854, Cl. 250-374.000.

Burgess, Harry L., to Burgess and Associates Manufacturing, Inc. Self-lubricating centrifugal drilling mud degasser. 4,872,530, 10-10-89, Cl. 184-6.120.

Burgess, J. Stuart; Spink, Donald R.; and Stein, Jerry Y., to University of Waterloo. Gas reacting apparatus. 4,865,817, 9-12-89, Cl. 422-168.000.

Burgess, James F.; Glascock, Homer H., II; Webster, Harold F.; Neugebauer, Constantine A.; and Loughran, James A., to General Electric Company. Multilayer circuit board fabricated from silicon. 4,803,450, 2-7-89, Cl. 333-238.000.

Burgess, James P.; and Pearson, David J., to Electro-Mechanical Products. Keyless access and engine control system. 4,809,199, 2-28-89, Cl. 364-550.000.

Burgess, James P.; and Moy, Harold. Radio frequency suppression for fuel pump. 4,845,393, 7-4-89, Cl. 310-51.000.

Burgess, John G.: *See—*
  Rechen, James B.; Ewing, James D.; and Burgess, John G., 4,864,572, Cl. 371-2.100.

Burgess, Joseph M. Automobile cover device. 4,834,128, 5-30-89, C 135-88.000.

Burgess, Kenneth W.; Erickson, Wayne K.; and Bryant, William R., to Phillips Petroleum Company. Fusion of thermoplastic fabrics. 4,814,219, 3-21-89, Cl. 428-113.000.

Burgess, Lester E.; and Capista, Joe J., Jr., to White Cap Dental Company, Inc. Apparatus for electro-etching. 4,801,367, 1-31-89, C 204-224.00M.

Burgess, Michael J.; Clifford, David P.; and Sewell, Robert A., to Dow Chemical Company, The. Substituted N-phenyl-N'-benzoyl ureas an their use as insecticides and acaricides. 4,795,746, 1-3-89, C 514-150.000.

Burgess, Michael J.; Sewell, Robert A.; and Clifford, David P., to Dow Chemical Company, The. Substituted azo N-phenyl-N'-benzoylurea and their use as insecticides and acaricides. 4,800,195, 1-24-89, C 514-150.000.

Burgess, Paul D., to Fly Fishing Technology Limited. Braided lin 4,799,417, 1-24-89, Cl. 87-11.000.

Burgess, Paul E. A., to Imperial Chemical Industries PLC. Filter pr structure or cell and method of assembling same. 4,824,542, 4-25 Cl. 204-253.000.

Burgess, Paul K.: *See—*
  Barton, Nicholas; Billing, Robert; and Burgess, Paul K., 4,875,3 Cl. 358-88.000.

Burgess, Peter H., to National Radiological Protection Board. Radiation detector. 4,876,454, 10-24-89, Cl. 250-370.140.

Burgess, Roy T.; Campau, Gregory P.; Claar, Leslie M.; Hodge, Robert C.; Snow, Douglas G.; and Taylor, Roy, to Vickers, Incorporated. Positive displacement pump or motor utilizing a self-lubricat bearing. 4,862,789, 9-5-89, Cl. 92-12.200.

Burgess, Trevor: *See—*
  Tannenbaum, Eli; Burgess, Trevor; Kalessidis, Vassilios; Ortu Andre; Williams, John; and Zanker, Klaus, 4,887,464, C 73-153.000.

Burgess, Wilells D.: *See—*
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Burgess, William C.; Jochum, Gary L.; Goetzinger, David; and Bei ius, David A., to Deere & Company. Ferris wheel shaped stor holding apparatus. 4,852,748, 8-1-89, Cl. 211-70.600.

Burgess, Wilson: *See—*
  Jaye, Michael; Burgess, Wilson; Maciag, Thomas; and Drohe William, 4,868,113, Cl. 435-70.000.

Burggraf, Peter: *See—*
  Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewe Heribert; and Burggraf, Peter, 4,875,406, Cl. 98-2.010.

Burghard, Krahl, to U.S. Philips Corp. Single-ended down converte 4,809,149, 2-28-89, Cl. 363-20.000.

Burghardt, Franz; Abendroth, Bernd; and Pfaff, Martin, to Gesellschaf fuer Steuerungstechnik GmbH & Co. Method for depositing a interlining on a pitched cable for reducing friction and no 4,849,038, 7-18-89, Cl. 156-172.000.

Burghardt, Hartmut; Jahns, Juergen; and Kindt, Stefan, to Siemen Aktiengesellschaft. Reflex transmitter for a bidirectional light wav guide communication system. 4,871,222, 10-3-89, Cl. 350-96.14

Burghart, Heiner; and Behncke, Hans, to Heinrich Burghart Elek und Feinmechanik GmbH. Cigarette smoking device. 4,836,2 6-6-89, Cl. 131-329.000.

Burghart, Kurt: *See—*
  Burghart, Walter; and Burghart, Kurt, 4,863,720, Cl. 424-45.00
  Burghart, Walter; and Burghart, Kurt, 4,869,899, Cl. 424-78.00

Burghart, Walter; and Burghart, Kurt. Pharmaceutical preparation an methods for its production. 4,863,720, 9-5-89, Cl. 424-45.000.

Burghart, Walter; and Burghart, Kurt. Pharmaceutical preparation an process for producing the same. 4,869,899, 9-26-89, Cl. 424-78.00

Burghartz, Hans K.: *See—*
  Pieper, Christian; Burghartz, Hans K.; Hirsch, Rolf-Burkhard an Rink, Norbert, 4,804,511, Cl. 264-206.000.
  Reinehr, Ulrich; Bernklau, Kurt; Herbertz, Toni; Jungverdorbe Hermann-Josef; and Burghartz, Hans K., 4,810,448, C 264-177.130.

Burgi, Ernst: *See—*
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Burgin, Al: *See—*
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Burgin, Henry E., to Emhart Industries, Inc. Switch timing mechanis with serrated camstack. 4,797,515, 1-10-89, Cl. 200-38.00R.

Burgin, Kermit H.; and Newman, George R. Pillow construction as medication dispenser. 4,826,479, 5-2-89, Cl. 604-23.000.

Burgio, Joseph T., Jr. Dryer-cooler apparatus. 4,811,493, 3-14-89, C 34-4.000.

Burgio, Joseph T., Jr. Apparatus and method for curing photosensiti coatings. 4,864,145, 9-5-89, Cl. 250-492.100.

Burgis, Warren. Infrared beam projector. 4,808,830, 2-28-89, C 250-505.100.

Burgkhardt, Bertram: *See—*
  Yamada, Junji; Miwatari, Yasushi; Ikegami, Toru; Nishio, Koich Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Up Siegfried, 4,880,986, Cl. 250-484.100.

Burgmaier, George J.; and Herz, Arthur H., to Eastman Kodak Company. Silver halide photosensitive materials containing thiourea and analogue compounds. 4,810,626, 3-7-89, Cl. 430-569.000.

Burgmann, Thomas A. D.; and Lennartz, Gary, to Dicon Systems Limited. Transmitter programmer connect system. 4,801,924, 1-31-89, Cl. 340-521.000.

Burgmann, Thomas A. D.: *See—*
  Mallory, John; Burgmann, Thomas A. D.; and Lennartz, Gary, 4,821,027, Cl. 340-521.000.

Burgmans, Adrianus L. J.; and Van Ijzendoorn, Petrus R., to U.S. Philips Corporation. Low-pressure discharge lamp. 4,871,942, 10-3-89, Cl. 313-493.000.

Burgos, Stephen W. Hospital sheet. 4,860,771, 8-29-89, Cl. 128-872.000.

Burgoyne, William F., Jr.; Casey, Jeremiah P.; Dixon, Dale D.; and Milligan, Barton, to Air Products and Chemicals, Inc. Polyurethane system using monotertiary-alkyltoluenediamine as a cross linker. 4,816,543, 3-28-89, Cl. 528-64.000.

Burgoyne, William F., Jr.; and Dixon, Dale D., to Air Products and Chemicals, Inc. Alkenylated diphenyldiisocyanates for use in preparing polyurethane/urea systems. 4,845,283, 7-4-89, Cl. 560-359.000.

Burgoyne, William F., Jr.; and Dixon, Dale D., to Air Products and Chemicals, Inc. Cycloalkenyl aryldiamines. 4,845,291, 7-4-89, Cl. 564-307.000.

Burgoyne, William F., Jr.: *See—*
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Burguiene Martine: *See—*
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Buri, Gerhard: *See—*
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  Schreiner, Friedrich; Ebner, Otto; Buri, Gerhard; and Grupp, Bernhard, 4,807,489, Cl. 74-475.000.

Burian, Gunther: *See—*
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Buriano, Franco: *See—*
  Marchesano, Carlo; Buriano, Franco; and Furlanetto, Enrico, 4,873,180, Cl. 430-491.000.

Buriks, Rudolf S.; and Dolan, James G., to Petrolite Corporation. Demulsifier compositions and methods of preparation and use thereof. 4,877,842, 10-31-89, Cl. 252-344.000.

Buringa, George. Foot operated powered steering control for outboard motors. 4,827,860, 5-9-89, Cl. 114-153.000.

Burk, David L., to Allegheny Ludlum Corporation. Random inventory system. 4,796,209, 1-3-89, Cl. 364-559.000.

Burk, Emmett H., Jr.; Yoo, Jin S.; and Radlowski, Cecelia A., to UOP. Composition of matter for conversion of hydrocarbons. 4,883,783, 11-28-89, Cl. 502-304.000.

Burk, Gary N.; and Williams, Paul, to Process Automation Business, Inc. Sheet inspection apparatus and methods providing simultaneous resolution of measurement zones and wavelength bands. 4,801,809, 1-31-89, Cl. 250-559.000.

Burk, Klaus: *See—*
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  Klenter, Otto; and Burk, Klaus, 4,884,690, Cl. 206-416.000.

Burk, Peter; and Hahn, Klaus, to Robert Bosch GmbH. Method for triggering a switching function. 4,849,896, 7-18-89, Cl. 364-431.070.

Burk, Peter; and Hahn, Klaus, to Robert Bosch GmbH. Driving-speed adjusting arrangement. 4,873,640, 10-10-89, Cl. 364-426.040.

Burk, Robert G. Tubular carrier pin. 4,880,108, 11-14-89, Cl. 198-803.120.

Burk, Ronnie F., to Deere & Company. Extension and retraction sequencing circuit. 4,821,622, 4-18-89, Cl. 91-29.000.

Burk, Thomas C.: *See—*
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Burka, Eric S.: *See—*
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Burkard, Bernhard, to American Standard Inc. Combination mixing valve and appliance valve assembly. 4,794,952, 1-3-89, Cl. 137-597.000.

Burkardt, Norbert: *See—*
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Burkart, Leonard F., to Le Tourneau College. Rapid disolution of lignin and other non-carbohydrates from ligno-cellulosic materials impregnated with a reaction product of triethyleneglycol and an organic acid. 4,826,566, 5-2-89, Cl. 162-14.000.

Burke, Basil A.; and Nair, Muraleedharan G., to PCRI, Inc. Nonanol/-nonene antimicrobial compositions. 4,803,290, 2-7-89, Cl. 514-464.000.

Burke, Basil A.; and Nair, Muraleedharan G., to Plant Cell Research Institute, Inc. Antimicrobial/antifungal compositions. 4,876,277, 10-24-89, Cl. 514-465.000.

Burke, Charles R.: *See—*
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Burke Company, The: *See—*
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  Kelly, David L.; and Needham, Jeffrey R., 4,802,316, Cl. 52-90.000.

Burke, David T.: *See—*
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Burke, Edmund T.; Dawdy, Daniel H.; and Rubert, Timothy M., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. PBX and adjunct using multi-frequency tones for communication therebetween. 4,879,743, 11-7-89, Cl. 379-142.000.

Burke, Edmund T.: *See—*
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Burke, Edward J.: *See—*
  Marlow, Raymond; Robertson, William M.; and Burke, Edward J., 4,883,538, Cl. 106-287.130.
  Robertson, William M.; Burke, Edward J.; and Clark, Randy L., 4,838,911, Cl. 62-3.300.

Burke, Gary R., to Silicon Connections Corporation. Non-contact I/O signal pad scan testing of VLSI circuits. 4,875,003, 10-17-89, Cl. 324-73.00R.

Burke, Gregory M.; and Jones, Michael E., to Megatek Corporation. Digital vector generator for a graphic display system. 4,808,988, 2-28-89, Cl. 340-744.000.

Burke, Harry L.: *See—*
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Burke, James D., to United States of America, National Aeronautics and Space Administration. Atmospheric autorotating imaging device. 4,886,222, 12-12-89, Cl. 244-1.00R.

Burke, James E., to Scovill Fasteners Inc. One-way snap fastener. 4,796,339, 1-10-89, Cl. 24-662.000.

Burke, James E.; and Zavatkay, Robert J., to Scovill Fasteners Inc. Snap fastener for molding on to fabric and apparatus for making it. 4,805,273, 2-21-89, Cl. 24-662.000.

Burke, James E.; and Zavatkay, Robert J., to Scovill Fasteners Inc. Apparatus for molding a snap fastener onto fabric. 4,818,205, 4-4-89, Cl. 425-117.000.

Burke, James E.: *See—*
  Furbee, Avery D.; Perno, Salvatore G.; and Burke, James E., 4,799,248, Cl. 378-114.000.

Burke, John J.; Roelofs, Robert R.; and Kinnaird, Michael G., to BASF Corporation. Solubilization of salts of pyridine-2-thiol-1-oxide. 4,835,149, 5-30-89, Cl. 514-188.000.

Burke, John W. Variable speed tractive transmission. 4,850,235, 7-25-89, Cl. 74-190.000.

Burke, Joseph J.: *See—*
  Cherry, Roger L.; Burke, Joseph J.; Platt, Christopher W.; and Cowles, Craig H., 4,832,753, Cl. 134-22.180.

Burke, Karen E.; and Calvo, Luis C. Topical compositions containing selenoamino acids for the prevention of ultraviolet radiation-induced skin damage. 4,865,840, 9-12-89, Cl. 424-59.000.

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  Merchant, Abid N.; Gorski, Robert A.; and Burke, Kenneth C., 4,877,545, Cl. 252-171.000.

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Burke, Michael A.; and Lessmann, Gerald G., to Westinghouse Electric Corp. Method for laser beam welding metal matrix composite components. 4,803,334, 2-7-89, Cl. 219-121.640.

Burke, Michael D.: *See—*
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Burke, Michael J.; Pidsosny, Richard A.; and Lehner, Gerald J., to Ford Motor Company. Electronic odometer. 4,803,646, 2-7-89, Cl. 364-561.000.

Burke, Michael K.: *See—*
  Murphy, Richard F.; and Burke, Michael K., 4,795,007, Cl. 188-207.000.

Burke, Michael R.: *See—*
  Martin, Gregory N.; and Burke, Michael R., 4,851,684, Cl. 250-352.000.

Burke, Michael W.: *See—*
  Pompei, Francesco; and Burke, Michael W., 4,874,253, Cl. 374-121.000.

Burke, Patrick E., to Guthrie Canadian Investments Limited. Induction heating and melting systems having improved induction coils. 4,874,916, 10-17-89, Cl. 219-10.750.

Burke, Rae L.; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia; Valenzuela, Pablo D. T.; and Barr, Philip J., to Chiron Corporation. Eukaryotic regulatable transcription. 4,880,734, 11-14-89, Cl. 435-68.000.

Burke, Rae Lyn; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia A.; and Valenzuela, Pablo D. T., to Chiron Corporation. Eukaryotic regulatable transcription. 4,876,197, 10-24-89, Cl. 435-172.300.

Burke, Richard C.: *See—*
  Prochnow, Kenneth E.; and Burke, Richard C., 4,858,520, Cl. 98-40.050.

Burke, Richard D., to Nordson Corporation. Fluidized bed hopper. 4,887,363, 12-19-89, Cl. 34-57.00A.

Burke, Robert W., II; Cahen, Albert J., Jr.; Credle, William S., Jr.; Gupta, Ashis S.; and Heenan, Richard H., to Coca-Cola Company, The. Beverage container suitable for use in outer space. 4,875,508, 10-24-89, Cl. 141-2.000.

- Burke, Steven R.: *See*—
  - Albrecht, Leonard N.; and Burke, Steven R., 4,875,242, Cl. 4-243.000.
- Burke, Thomas J., to Allen-Bradley Company, Inc. System for handling unsolicited messages from lower-tier controllers. 4,855,906, 8-8-89, Cl. 364-200.000.
- Burke, Thomas M., to General Electric Company. Backscatter data collection technique for ultrasound. 4,803,994, 2-14-89, Cl. 128-660.060.
- Burke, Timothy S.: *See*—
  - Taft, Charles K.; and Burke, Timothy S., 4,809,730, Cl. 137-82.000.
- Burke, Victor B. Noncontact gage system utilizing reflected light. 4,798,469, 1-17-89, Cl. 356-376.000.
- Burke, W. K., to Olin Corporation. Gas generator and generating method employing dual catalytic and thermal liquid propellant decomposition paths. 4,856,271, 8-15-89, Cl. 60-39.020.
- Burke, William D.: *See*—
  - Hagan, David W.; Burke, William D.; Thoman, Thomas R.; and Willmert, McRea B., 4,805,556, Cl. 118-725.000.
- Burke, William F.; and Kane, Daniel E., to United Technologies Corporation. Turbine clearance control duct arrangement. 4,859,142, 8-22-89, Cl. 415-116.000.
- Burkel, Rainer; Engelsdorf, Kurt; Gawlik, Rolf; and Hagele, Karl-Heinz, to Robert Bosch GmbH. Device for actuating butterfly throttle valve of an internal combustion engine. 4,878,470, 11-7-89, Cl. 123-401.000.
- Burkes, Alice L.: *See*—
  - Roberts, Bruce A.; and Burkes, Alice L., 4,889,730, Cl. 426-102.000.
- Burket, Thomas G.: *See*—
  - Calo, Seraphin B.; Kannan, Krishnamurthi; Suo, Suk S.; Burket, Thomas G.; and Wiley, John W., Jr., 4,805,134, Cl. 364-900.000.
- Burkett, Albert L. Process for treating various refuse materials, particularly smoke, garbage and sewage. 4,877,531, 10-31-89, Cl. 210-620.000.
- Burkett, Bill. Self-regulating windmill. 4,877,374, 10-31-89, Cl. 416-136.000.
- Burkett, Daryl W.: *See*—
  - Joseph, Beresford C.; and Burkett, Daryl W., 4,868,366, Cl. 219-137.710.
- Burkett, David, to Fisher Scientific Company. Partial restriction detector. 4,836,752, 6-6-89, Cl. 417-12.000.
- Burkett, David: *See*—
  - Van Benschoten, Peter; and Burkett, David, 4,856,972, Cl. 417-477.000.
- Burkett, Harold G., Jr.: *See*—
  - Revesz, Michael S.; Burkett, Harold G., Jr.; and Gilbert, Robert C., 4,868,709, Cl. 364-518.000.
- Burkey, Ronald L. Force and throw transformer for actuation linkages. 4,817,452, 4-4-89, Cl. 74-522.000.
- Burkhalter, Alan J. Strip cutter. 4,870,756, 10-3-89, Cl. 30-304.000.
- Burkhalter, William E.: *See*—
  - Finnieston, Alan; Burkhalter, William E.; Reyes, Franklin; and Latta, Loren L., 4,873,968, Cl. 128-87.00R.
- Burkhardt, Alan E.; Genshaw, Marvin A.; and Stover, Lon R., to Miles Inc. Volume independent diagnostic device. 4,810,470, 3-7-89, Cl. 422-56.000.
- Burkhardt, Charles E.: *See*—
  - Lin, Kou C.; Burkhardt, Charles E.; and Corbett, Paul P., 4,809,411, Cl. 29-605.000.
- Burkhardt, Claus, to MTU Motoren- und Turbinen-Union Munchen GmbH. Gas turbine jet engine of multi-shaft double-flow construction. 4,841,726, 6-27-89, Cl. 60-226.100.
- Burkhardt, Claus: *See*—
  - Dziurla, Heinz-Jurgen; Freitag, Dieter; Waldenrath, Werner; Burkhardt, Claus; and Schulte, Bernhard, 4,876,033, Cl. 252-511.000.
  - Wank, Joachim; Burkhardt, Claus; and Schmoranzer, Hans-Wolfgang, 4,810,321, Cl. 156-244.230.
- Burkhardt, Eric W.: *See*—
  - Summers, William, III, and Burkhardt, Eric W., 4,837,190, Cl. 502-171.000.
- Burkhardt, George J. Self-adjusting orthopedic cervical pillow. 4,821,355, 4-18-89, Cl. 5-434.000.
- Burkhardt, James L.: *See*—
  - Abdulwahab, Munib; Burkhardt, James L.; and McCann, John J., 4,839,721, Cl. 358-80.000.
- Burkhardt, Joseph A.: *See*—
  - Johnson, Dale V.; Burkhardt, Joseph A.; and Childers, Thomas W., 4,858,694, Cl. 166-355.000.
- Burkhardt, Jurgen; and Bock, Andreas, to Wacker-Chemie GmbH. Process for preparing diorganopolysiloxanes containing triorganosiloxy terminal groups. 4,835,237, 5-30-89, Cl. 528-21.000.
- Burkhardt, Jurgen, to Wacker- Chemie GmbH. Process for chain stabilization of organopolysiloxanes. 4,855,472, 8-8-89, Cl. 556-459.000.
- Burkhardt, Kenneth J., Jr.; Gerbehy, Jay L.; Skapinetz, Theodore J.; and Bremond-Gregoire, Patrice M. A., to Unisys Corporation. Intercomputer communication control apparatus & method. 4,866,664, 9-12-89, Cl. 364-900.000.
- Burkhardt, Mary E.: *See*—
  - Winter, Peter M.; Ray, Thomas R.; and Burkhardt, Mary E., 4,814,972, Cl. 364-200.000.
- Burkhardt, Rudolf; Hass, Hansjurgen; Hitze, Reiner; and Zoche, Gunther, to Huels Troisdorf Aktiengesellschaft. Sealing composition for soil barriers. 4,822,420, 4-18-89, Cl. 106-74.000.
- Burkhardt, Volker. Apparatus for transporting materials. 4,819,787, 4-11-89, Cl. 198-781.000.
- Burkhart, Georg; Moring, Volker; and Schaefer, Dietmar, to Th. Goldschmidt AG. Method for the preparation of polyurethane foam. 4,837,244, 6-6-89, Cl. 521-114.000.
- Burkhart, Gilbert B., III; Casper, Don; and Rosenberg, David E., to Pittsburgh Coil Technology. Method of making brake shoe stock. 4,821,400, 4-18-89, Cl. 29-527.400.
- Burkhart, Helmut: *See*—
  - Vanetta, Aldo; Burkhart, Helmut; and Weinert, Herbert, 4,870,9 Cl. 123-336.000.
- Burkhart, Joseph P.; and Holbert, Gene W., to Merrell Dow Pharmaceuticals Inc. Synthesis for the preparation of 4-amino-4,5-dihydro furancarboxylic acid. 4,824,974, 4-25-89, Cl. 549-480.000.
- Burkholder, Amy L.: *See*—
  - Kovacs, Kerry; Simpson, William; Burkholder, Amy L.; Mear Russell K.; and Thomas, Teresa M., 4,840,866, Cl. 430-138.00
- Burkholder, Gary F., to Caterpillar Industrial Inc. Pallet transferring arrangement and method. 4,818,171, 4-4-89, Cl. 414-497.000.
- Burkholder, Mary J.; Piccirilli, Barbara G.; Anderson, Carl C.; and Temple, Rodger G., to PPG Industries, Inc. Stable multiphase coating compositions. 4,855,164, 8-8-89, Cl. 427-385.500.
- Burkholder, Richard A.: *See*—
  - Berger, Richard A.; and Burkholder, Richard A., 4,863,451, C 604-415.000.
- Burkholder, Robert F.: *See*—
  - Martone, Louis C.; Burkholder, Robert F.; Asbjornsen, Lars and Cavada, Luis O., 4,833,978, Cl. 99-280.000.
- Burkman, Don C.; Schumacher, David D.; and Peterson, Charles A., to FSI Corporation. Rinsing in acid processing of substrates. 4,801,3 1-31-89, Cl. 134-25.400.
- Burkman, Don C.: *See*—
  - Mehta, Jitesh R.; Burkman, Don C.; and Mezaki, Cooky, 4,810, Cl. 134-30.000.
- Burkman, Jack L.; and Oosterhout, Gretchen R., to Hewlett-Packard Company. Electrostatic discharge proof keypad. 4,809,126, 2-28 Cl. 361-212.000.
- Burks, Arthur W.: *See*—
  - Holland, John H.; and Burks, Arthur W., 4,881,178, C 364-513.000.
- Burks, Darnall P., to Sprague Electric Company. Method for making multilayer ceramic capacitor with buried electrodes and terminations at a castellated edge. 4,852,227, 8-1-89, Cl. 29-25.420.
- Burks, Harold D.: *See*—
  - St. Clair, Terry L.; Burks, Harold D.; and Progar, Donald J., 4,837,300, Cl. 528-353.000.
- Burks, Henk C.: *See*—
  - Jonckers, Kees; and Burks, Henk C., 4,866,207, Cl. 564-71.000.
- Burkstaller, Herman F., to Burkstaller, Herman F. Built-up playing court structure and method for its construction. 4,881,846, 11-2 Cl. 405-37.000.
- Burkstrand, George W.; and Burkstrand, Lowell E., to Side Step In Scaffolding ascent apparatus. 4,807,719, 2-28-89, Cl. 182-15.000.
- Burkstrand, George W.: *See*—
  - Burkstrand, Lowell E.; Burkstrand, George W.; and Haines, Theodore S., 4,850,169, Cl. 52-241.000.
- Burkstrand, Lowell E.; Burkstrand, George W.; and Haines, Theodore S., to Burkstrand, Lowell E.; and Burkstrand, George W. Com runner. 4,850,169, 7-25-89, Cl. 52-241.000.
- Burkstrand, Lowell E.: *See*—
  - Burkstrand, George W.; and Burkstrand, Lowell E., 4,807,719, C 182-15.000.
- Burlage, Bonnie; Steinmann, Donna; and Reiman, Margaret. Pat restraining device and temporary transport. 4,841,961, 6-27-89, C 128-876.000.
- Burle Technologies, Inc.: *See*—
  - Helvy, Fred A.; and Butterwick, Gilbert N., 4,855,642, C 313-532.000.
  - Jones, Theodore L., 4,857,682, Cl. 200-330.000.
- Burleigh, Bruce D.: *See*—
  - Hamilton, Edwin J., Jr.; and Burleigh, Bruce D., 4,816,56 530-399.000.
- Burleigh, David W.; and Assinder, Andrew J., to Britax-Exc Limited. Child's safety seat. 4,854,639, 8-8-89, Cl. 297-250.000.
- Burleigh Instruments, Inc.: *See*—
  - Rapp, Louis N., 4,874,979, Cl. 310-328.000.
- Burleson, David B.: *See*—
  - Kish, John W.; Alcorn, John S.; and Burleson, David B., 4,86 Cl. 364-200.000.
- Burleson, Wayne P.: *See*—
  - Wagner, Lawrence F.; Burleson, Wayne P.; and Van Dyke, Kor S., 4,852,038, Cl. 364-748.500.
  - Wagner, Lawrence F.; Burleson, Wayne P.; and Guadagna, Jo P., 4,857,882, Cl. 340-146.200.
  - Wagner, Lawrence F.; Van Dyke, Korbin S.; Burleson, Wayne P.; Hemming, Robert D.; and Guadagna, John P., 4,862,34 364-200.000.
- Burlet, Rudolf J. H.; and Tabor, Lambertus M. J., to Stamicarbon B. Process and device for removing objects from the outside of contain ers. 4,830,699, 5-16-89, Cl. 156-344.000.
- Burlett, Donald J.: *See*—
  - Parks, Carl R.; and Burlett, Donald J., 4,839,433, Cl. 525-329
  - Parks, Carl R.; and Burlett, Donald J., 4,877,845, Cl. 525-346
- Burley, George J.: *See*—
  - Still, Donald O.; Hovance, Hubert T.; and Burley, George 4,824,515, Cl. 156-406.400.
  - Still, Donald O.; Hovance, Hubert T.; and Burley, George 4,857,123, Cl. 156-133.000.

  - Still, Donald O.; Hovance, Hubert T.; and Burley, George J., 4,858,505, Cl. 83-49.000.
  - Still, Donald O.; and Burley, George J., 4,887,501, Cl. 82-54.000.
- Burley, John S., to Burley's Rink Supply. Dasher board system. 4,883,267, 11-28-89, Cl. 272-3.000.
- Burley, Noel A., to Bell-IRH Limited. Thermocouples of enhanced stability. 4,834,807, 5-30-89, Cl. 428-457.000.
- Burley's Rink Supply: *See*—
  - Burley, John S., 4,883,267, Cl. 272-3.000.
- Burli, Kurt, to J. & R. Gunzenhauser AG. Apparatus for applying a coupling connector to a plastic liquid-conveying member. 4,809,418, 3-7-89, Cl. 29-237.000.
- Burlingame, Nicholas H.: *See*—
  - Morris, Jeffrey R.; and Burlingame, Nicholas H., 4,889,481, Cl. 431-328.000.
- Burlington Industries, Inc.: *See*—
  - Archer, Timothy H. V.; and Halliday, Bruce W., 4,831,385, Cl. 346-1.100.
  - Archer, Timothy H. V.; Burchett, Roger C.; Dressler, John L.; and Wood, Greg S., 4,833,623, Cl. 364-307.000.
  - Archer, Timothy H. V.; and Sutera, Richard, 4,839,664, Cl. 346-1.100.
  - Archer, Timothy H. V.; and Sutera, Richard, 4,841,306, Cl. 346-1.100.
  - Archer, Timothy H. V.; and Rouch, James C., 4,843,407, Cl. 346-75.000.
  - Archer, Timothy H. V.; Bowman, Randy; and Glenn, Michael L., 4,875,054, Cl. 346-1.100.
  - Brodmann, George L., 4,812,139, Cl. 8-490.000.
  - Brodmann, George L., 4,812,142, Cl. 8-512.000.
  - Brown, Don, 4,872,620, Cl. 242-118.300.
  - Burchett, Roger C., 4,812,673, Cl. 307-106.000.
  - Choi, M. K.; and Russell, Ernest J., 4,832,699, Cl. 8-680.000.
  - Craycroft, Robert S.; Lorenzo, Tina V.; Hansen, John H.; and Russell, Earnest J., 4,816,035, Cl. 8-938.000.
  - Daniel, Vernon T.; and Gettliffe, Jessie, 4,866,957, Cl. 68-5.00D.
  - Daniel, Vernon T.; Gettliffe, Jessie; and Lorenzo, Tina V., 4,872,416, Cl. 118-203.000.
  - Davis, James K.; Craycroft, Robert S.; and Lorenzo, Tina V., 4,799,935, Cl. 8-922.000.
  - Davis, James K.; and Cates, Barbara J., 4,814,222, Cl. 428-229.000.
  - Dressler, John L., 4,849,769, Cl. 346-1.100.
  - Gibson, Jeffrey W.; and Bayman, Hal, 4,881,085, Cl. 346-75.000.
  - Graham, Louis A., 4,841,307, Cl. 346-1.100.
  - Graham, Louis A., 4,849,768, Cl. 346-1.100.
  - Hansen, John H., 4,812,144, Cl. 8-584.000.
  - Hodgin, John B.; Sumner, John H.; and Wang, Kenneth Y., 4,858,288, Cl. 28-178.000.
  - Holder, Joseph P., 4,797,686, Cl. 346-1.100.
  - Holder, Joseph P.; Glenn, Michael L.; McConnell, Bobby L.; and Graham, Louis A., 4,797,687, Cl. 346-1.100.
  - Holder, Joseph P.; Glenn, Michael L.; McConnell, Bobby L.; and Graham, Louis A., 4,829,793, Cl. 68-205.00R.
  - Hussamy, Samir, 4,836,828, Cl. 8-594.000.
  - Jacobs, Robert D.; and Davis, Edward J., 4,863,775, Cl. 428-91.000.
  - Johnson, James R., 4,842,609, Cl. 8-115.700.
  - Lassiter, B. Dean, 4,838,380, Cl. 181-291.000.
  - Lichtenberger, John A.; and Gamblin, Rodger L., 4,801,947, Cl. 346-75.000.
  - Mallard, Jerry F., 4,835,699, Cl. 364-470.000.
  - Mann, Joe A.; Ambrosiani, Vincent J.; Wilder, Cynthia D.; and Seyam, Abdelfattah M., 4,807,303, Cl. 2-69.000.
  - Payne, William M., Jr.; and Palau, Joseph, 4,832,281, Cl. 242-118.300.
  - Petracek, Vaclav; and Schnegg, Julius R., 4,841,749, Cl. 66-190.000.
  - Petracek, Vaclav; and Schnegg, Julius, 4,854,135, Cl. 66-190.000.
  - Phillips, James G., Jr.; Harlow, Joanne; and Clanton, James M., 4,823,407, Cl. 2-202.000.
  - Phillips, James G., Jr.; Oberg, Sven E.; and Wilder, Cynthia D., 4,845,862, Cl. 36-83.000.
  - Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., 4,843,647, Cl. 2-69.000.
  - Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., 4,887,317, Cl. 2-243.00R.
  - Pierce, James M., Jr.; and Mallard, Jerry F., 4,800,503, Cl. 364-470.000.
  - Pritchard, F. D., 4,861,561, Cl. 422-116.000.
  - Russell, Ernest J.; and Choi, M. K., 4,812,140, Cl. 8-492.000.
  - Russell, Ernest J.; and FitzGerald, Tanya E., 4,878,920, Cl. 8-476.000.
  - Schnegg, Julius R., 4,845,960, Cl. 66-84.00A.
  - Steele, Joseph A.; and Byrd, Kenneth A., 4,876,775, Cl. 28-190.000.
  - Watson, Thomas F.; and Towery, Donald R., deceased, 4,869,953, Cl. 428-260.000.
- Burmeister, Dieter; and Marzinkowski, Joachim, to Hoffmann's Starkefabriken AG. Laundry care product for final rinse: aqueous mixture of cationic silicone oil, cationic fatty acid condensate and cationic film-former. 4,818,242, 4-4-89, Cl. 8-115.600.
- Burmeister, Rainer: *See*—
  - Begehr, Dieter; Keitel, Gerd; and Burmeister, Rainer, 4,830,514, Cl. 374-178.000.
- Burmeister, Scott N.; and McNeill, Steven R., to Outboard Marine Corporation. Connecting assembly including screw retention means. 4,867,717, 9-19-89, Cl. 440-86.000.
- Burmeister, Scott N.: *See*—
  - McNeill, Steven R.; Burmeister, Scott N.; Mondek, Matthew H.; and Whipple, Roger B., 4,863,290, Cl. 384-130.000.
- Burmester, Alan F.: *See*—
  - Wessling, Ritchie A.; Chau, Chieh-Chun; and Burmester, Alan F., 4,859,339, Cl. 210-500.340.
- Burn, Ian, to Du Pont de Nemours, E. I., and Company. Low-firing dielectric composition. 4,845,062, 7-4-89, Cl. 501-136.000.
- Burn, Ian, to Du Pont de Nemours, E. I., and Company. High K dielectric composition for use in multilayer ceramic capacitors having copper internal electrodes. 4,855,266, 8-8-89, Cl. 501-138.000.
- Burn, Ian, to Du Pont de Nemours, E. I., and Company. Low Dielectric constant compositions. 4,879,261, 11-7-89, Cl. 501-32.000.
- Burn Tubes Limited: *See*—
  - Pettman, Nigel R. A., 4,848,956, Cl. 403-349.000.
- Burnand, Richard P.; and Mackenzie, Kenneth A. Composite diamond abrasive compact. 4,802,895, 2-7-89, Cl. 51-293.000.
- Burnand, Richard P. Wire drawing die. 4,872,333, 10-10-89, Cl. 72-467.000.
- Burnand, Richard P.: *See*—
  - Phaal, Cornelius; and Burnand, Richard P., 4,861,350, Cl. 51-307.000.
  - Phaal, Cornelius; and Burnand, Richard P., 4,875,907, Cl. 51-293.000.
  - Tomlinson, Peter N.; Burnand, Richard P.; and Tank, Klaus, 4,821,465, Cl. 51-283.00R.
- Burnay, Jean-Paul: *See*—
  - Malfroid, Pierre; Nguyen, Qui Long; Blondin, Jean-Marie; and Burnay, Jean-Paul, 4,889,892, Cl. 525-186.000.
- Burndy Corporation: *See*—
  - Anderson, James D., 4,852,248, Cl. 29-749.000.
  - Bauer, Alajos Z.; and Verespej, Michael A., 4,831,722, Cl. 29-751.000.
  - Cera, Robin P.; and Davies, Ross H., 4,863,390, Cl. 439-100.000.
  - Juntwait, Eric, 4,826,446, Cl. 439-326.000.
  - Lazar, Michael; and Noschese, Rocco, 4,889,500, Cl. 439-579.000.
  - Lytle, Thomas G., 4,846,734, Cl. 439-637.000.
  - Nager, Urs F., Jr., 4,821,409, Cl. 29-747.000.
  - Nager, Urs F., Jr., 4,833,775, Cl. 29-747.000.
  - Noschese, Rocco, 4,871,315, Cl. 439-67.000.
  - Noschese, Rocco J., 4,842,538, Cl. 439-260.000.
  - Verespej, Michael A., 4,825,513, Cl. 24-135.00N.
- Burne, Richard A.: *See*—
  - Wilson, Colleen R.; Burne, Richard A.; and Berkovich, Semyon, 4,8[illegible],997, Cl. 370-85.000.
- Burner, Robert. Apparatus for controlled irrigation of the natural cavities and tubes of the human body. 4,795,424, 1-3-89, Cl. 604-30.000.
- Burnes, James E.: *See*—
  - Callahan, Wayne E.; and Burnes, James E., 4,852,566, Cl. 128-303.00R.
- Burnett, George H.: *See*—
  - Tamol, Ronald A.; Nepomuceno, Jose G.; Keritsas, Gus D.; Burnett, George H.; Thesing, Richard A.; Winterson, Warren D.; and Nichols, Walter A., 4,874,000, Cl. 131-375.000.
- Burnett, John L.: *See*—
  - Peters, Jerry W.; and Burnett, John L., 4,794,687, Cl. 29-559.000.
- Burnett, Lauren W., to Energy Conservation Innovations, Inc. Dual-fuel injector. 4,856,713, 8-15-89, Cl. 239-113.000.
- Burnett, Mildred M.: *See*—
  - Burnett, Ronald D.; and Burnett, Mildred M., 4,889,512, Cl. 446-72.000.
- Burnett, Ronald D.; and Burnett, Mildred M. Doll and pillow carrying case. 4,889,512, 12-26-89, Cl. 446-72.000.
- Burnett, Sibley C.; Purcell, John R.; Breneman, Bruce C.; and Sarwinski, Raymond E., to General Atomics. MRI Magnet system with permanently installed power leads. 4,841,268, 6-20-89, Cl. 335-216.000.
- Burnett, Thomas W.; Clary, Thomas R.; Iannuzzelli, Vincent F.; and Kremer, Carl P., Jr., to Mallinckrodt, Inc. Shielding container for radioaerosol delivery apparatus. 4,880,989, 11-14-89, Cl. 250-506.100.
- Burnett, William V., Jr.; Eckhardt, Thomas G.; and Fare, Louis R., to SmithKline Beckman Corporation. Streptomyces Bgl protein gene promoter. 4,859,601, 8-22-89, Cl. 435-253.500.
- Burnett, William V., Jr.; Eckhardt, Thomas G.; and Fare, Louis R., to SmithKline Beckman Corporation. Cloned streptomycete gene. 4,865,982, 9-12-89, Cl. 435-252.350.
- Burnette, Colin; and Kolts, Juri, to Conoco Inc. Corrosion cracking test specimen and assembly. 4,866,999, 9-19-89, Cl. 73-87.000.
- Burnette, Richard; and Mucker, Barbara A. Package for retaining and mounting a mirror. 4,848,542, 7-18-89, Cl. 206-45.140.
- Burney, Bryan T.: *See*—
  - Fry, Francis J.; and Burney, Bryan T., 4,805,628, Cl. 128-662.020.
- Burney, Burrell T., to Petersen Manufacturing Co., Inc. Adjustable locking hand tool. 4,850,254, 7-25-89, Cl. 81-367.000.
- Burney, Charles F., to A.R.A. Manufacturing Co. Electric actuator for automotive air conditioning systems. 4,818,924, 4-4-89, Cl. 318-561.000.
- Burney, Harry S., Jr.; Morris, Gregory J. E.; Beaver, Richard N.; and Spradling, Robert D., to Dow Chemical Company, The. Antisurge outlet apparatus for use in electrolytic cells. 4,839,012, 6-13-89, Cl. 204-255.000.
- Burney, Roger D., to National Semiconductor Corporation. Distributed routing unit for fully-automated flexible manufacturing system. 4,829,445, 5-9-89, Cl. 364-478.000.

Burnham, Audrey R.; Ewards, Christopher J.; and Munn, Roger E., to CMB Packaging (UK) Limited. Security documents. 4,884,828, 12-5-89, Cl. 283-89.000.

Burnham, Charles R. Cartop luggage carrier. 4,867,361, 9-19-89, Cl. 224-310.000.

Burnham Corporation: *See*—

Kirby, Richard H., 4,838,210, Cl. 122-149.000.

Burnham, James D.: *See*—

Beeson, John M.; McAskill, John P.; and Burnham, James D., 4,864,881, Cl. 74-360.000.

Burnham, Lowell C., to Sunbeam Corporation. Portable electric oven utilizing recirculating high speed air for cooking. 4,829,158, 5-9-89, Cl. 219-400.000.

Burnham, Paul W.: *See*—

Cipolla, Stephen D.; Burnham, Paul W.; and Holland, Carl W., 4,850,303, Cl. 118-653.000.

Burnham, Robert D., and Thornton, Robert L., to Xerox Corporation. Method of introducing impurity species into a semiconductor structure from a deposited source. 4,824,798, 4-25-89, Cl. 437-81.000.

Burnham, Robert D., and Scifres, Donald R., to Xerox Corporation. Wavelength tuning of multiple quantum well (MQW) heterostructure lasers. 4,839,899, 6-13-89, Cl. 372-45.000.

Burnham, Robert D., to Xerox Corporation. $(IV)_x(III\text{-}V)_{1-x}$ alloys formed in situ in III-V heterostructures. 4,857,971, 8-15-89, Cl. 357-4.000.

Burnham, Robert D.: *See*—

Holonyak, Nick, Jr.; and Burnham, Robert D., 4,871,690, Cl. 437-105.000.

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Scifres, Donald R.; Kung, Hsing; Cross, Peter; Burnham, Robert D.; and Streifer, William, 4,803,691, Cl. 372-150.000.

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Scifres, Donald R.; and Burnham, Robert D., 4,882,734, Cl. 372-45.000.

Streifer, William; Burnham, Robert D.; and Paoli, Thomas L., 4,799,223, Cl. 372-24.000.

Thornton, Robert L.; and Burnham, Robert D., 4,875,216, Cl. 372-45.000.

Welch, David F.; Scifres, Donald R.; Thornton, Robert L.; and Burnham, Robert D., 4,845,725, Cl. 372-46.000.

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Burnley, Richard P.: *See*—

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Rodondi, Andrew F.; Vazquez-Cuervo, Alfonso; and Burns, Christopher D., 4,834,670, Cl. 439-398.000.

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Burns, Donald A., and Buccafuri, Anthony F., to Alfa-Laval AB. Dilution apparatus and method. 4,826,775, 5-2-89, Cl. 436-179.000.

Burns, Donald S. Swinging mail catcher. 4,826,075, 5-2-89, Cl. 232-19.000.

Burns, Drusilla L., and Manclark, Charles R., to United States of America, Health and Human Services. Process for isolation of the B oligomer of pertussis toxin. 4,845,036, 7-4-89, Cl. 435-194.000.

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Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,875,662, Cl. 266-44.000.

Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,880,211, Cl. 266-44.000.

Burns, Edward R.; Wenz, Barry; and Goldberg, Shraga N., to Albert Einstein College of Medicine of Yeshiva University. Method for quantifying human reticulocytes. 4,822,745, 4-18-89, Cl. 436-63.000.

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Burns, Gary T., to Dow Corning Corporation. Process for the preparation of methylpolysilanes having controlled carbon content. 4,889,904, 12-26-89, Cl. 528-25.000.

Burns, Gary T.: *See*—

Atwell, William H.; Burns, Gary T.; and Saha, Chandan K., 4,888,376, Cl. 524-401.000.

Burns, Jack. Dispenser adapter. 4,840,299, 6-20-89, Cl. 225-52.000.

Burns, James A., to Becton, Dickinson and Company. Device for separating the components of a liquid sample having higher and lower specific gravities. 4,818,386, 4-4-89, Cl. 210-97.000.

Burns, James A., to Becton, Dickinson and Company. Culture bottle assembly. 4,840,908, 6-20-89, Cl. 435-296.000.

Burns, James A., to Becton, Dickinson and Company. Device fo separating the components of a liquid sample having higher an lower specific gravities. 4,877,520, 10-31-89, Cl. 210-94.000.

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Burns, Lawrence J. True trace gauge. 4,809,419, 3-7-89, Cl. 33-42.0

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Burns, Leslie L., to Lasa Industries, Inc. Method and apparatus for las process control. 4,865,683, 9-12-89, Cl. 156-627.000.

Burns, Matthew J., to American Telephone and Telegraph Compa AT&T Bell Laboratories. Laser temperature modulation and dete tion method. 4,796,996, 1-10-89, Cl. 356-372.000.

Burns, Michael E., and Hardy, Frederick E., to Procter & Gam Company, The. Bleaching compounds and compositions comprisi fatty peroxyacids salts thereof and precursors therefor having ami moieties in the fatty chain. 4,852,989, 8-1-89, Cl. 8-107.000.

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Ashford, Thomas J.; Burns, Nancy A.; Flagg, Richard L.; Jones Christine T.; and Starbird, Roberta P., 4,809,219, Cl. 364-900.0

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Burns, Norbert A.; Reynolds, John S.; Hansen, Willard; and Bat Kenneth R., to General Electric Company. Method and apparatus electrochemically machining airfoil blades. 4,851,090, 7-25-89, C 204-129.700.

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Burns, Richard; Defendorf, James; King, Edward; and McCart Cornelius, to Milton Roy Company. Optical system for a multidet tor array spectrograph. 4,875,773, 10-24-89, Cl. 356-328.000.

Burns, Richard J.; Grim, Kenneth R.; and Levy, Miguel E., to Hugh Aircraft Company. Analog-digital correlator. 4,813,006, 3-14-89, C 364-604.000.

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Burns, Robert W., to Western Atlas International, Inc. Method a apparatus for coupling wireline tools to coil tubing. 4,877, 10-31-89, Cl. 166-377.000.

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Burns, Stephanie A., to Dow Corning Corporation. Novel organop siloxanes derived from bis-silyl substituted heterocyclic compou 4,808,687, 2-28-89, Cl. 528-30.000.

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Burns, Steven K.: *See*—

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Burns, Thomas J., and Burns, Cynthia L., to Burns-Milwaukee, Solar oven. 4,848,320, 7-18-89, Cl. 126-451.000.

Burns, Thomas M., and Ryan, David, to Detroit Forming, Inc. Appa tus for stacking formed articles. 4,834,606, 5-30-89, Cl. 414-59

Burns, Thomas P. Spare rib holder. 4,802,704, 2-7-89, Cl. 294-

Burns, Walter T., and Burns, Nancy H. Utility golf tool. 4,856, 8-15-89, Cl. 7-118.000.

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Burout, Charles J., III, to Warner-Lambert Company. Razor head assembly. 4,866,844, 9-19-89, Cl. 30-50.000.

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Burt, Rodney T., and Stitt, Robert M., II, 4,843,339, Cl. 330-10.000.

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Khosah, Robinson P.; Novak, John W.; Weaver, Douglas G.; Fraser-Mills, Karen R.; and Burr, Richard R., 4,880,543, Cl. 210-635.000.

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Burrell, Leo L., 4,869,026, Cl. 51-135.00R.

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Burreson, Bernard J., to Eldec Corporation. Inductance divider sensor. 4,845,429, 7-4-89, Cl. 324-234.000.

Burreson, Jay B.; Neels, William B.; Plew, Theodore G.; and Borger, James H. Artificially extended natural seafood bait and method of making the same. 4,882,174, 11-21-89, Cl. 426-1.000.

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Bair, Kenneth W., 4,808,632, Cl. 514-727.000.

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Bair, Kenneth W., 4,810,823, Cl. 564-387.000.

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Bair, Kenneth W., 4,866,073, Cl. 514-297.000.

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Moncada, Salvador, 4,883,812, Cl. 514-469.000.

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Burrowes, David E., and Holmes, Alan W., to Energy Innovations, Inc. Meter reading methods and apparatus. 4,881,070, 11-14-89, Cl. 340-870.020.

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Burrows, Bruce D. Combined reverse osmosis unit and water inflow control valve for a water purification system. 4,834,873, 5-30-89, Cl. 210-136.000.
Burrows, Bruce D. Purified water supply system. 4,853,117, 8-1-89, Cl. 210-110.000.
Burrows, Bruce D. Reverse osmosis water purification system with improved pressure relief valve. 4,880,534, 11-14-89, Cl. 210-130.000.
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Burrows, Donald L.; and Milne, Edward J., to Everest & Jennings Canadian Limited. Cantilever weighing apparatus. 4,799,562, 1-24-89, Cl. 177-229.000.
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Burrus, Gilbert S., Jr.; Cooper, Ronald J.; Marr, Michael R.; Marsico, Mario A.; Pescatore, John C.; and Sullivan, Paul D., to International Business Machines Corporation. Multiple port service expansion adapter for a communications controller. 4,837,677, 6-6-89, Cl. 364-200.000.
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Lane, Joseph M.; Burstein, Albert H.; Otis, James C.; and Wright, Timothy M., 4,834,758, Cl. 623-18.000.
Burstein, Paul; and Krieger, Allen, to American Science and Engineering, Inc. Annular x-ray inspection system. 4,845,769, 7-4-89, Cl. 378-58.000.
Burstein, Sumner. Delta 1-thc-7-oic acid and analgesic and anti-inflammatory agents. 4,847,290, 7-11-89, Cl. 514-454.000.
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Maier, Thomas; Schmierer, Roland; Bauer, Klaus; Bieringer, Hermann; Burstell, Helmut; and Sachse, Burkhard, 4,820,335, Cl. 71-92.000.
Schmierer, Roland; Mildenberger, Hilmar; and Burstell, Helmut, 4,808,213, Cl. 71-92.000.
Burt, David J.; and Bell, Raymond T., to General Electric Company, p.l.c., The. Frame transfer image sensor having two vertical clock standards. 4,811,106, 3-7-89, Cl. 358-213.260.
Burt Equipment Co., Inc.: *See—*
Crocker, Weyman S., 4,809,866, Cl. 220-86.00R.
Burt, F. N., to Cogensys Corporation. Computer-implemented expert system and method for decision-making. 4,829,426, 5-9-89, Cl. 364-300.000.
Burt, James G.; and Burns, John P., to Du Pont de Nemours, E. I. and Company. Azeotrope or azeotrope-like composition of 1,1,2,-trichloro-1,2,2-trifluoroethane, trans-1,2-dichloroethylene and cyclopentane. 4,808,331, 2-28-89, Cl. 252-172.000.
Burt, Jerry D. Air filtering system. 4,889,543, 12-26-89, Cl. 55-97.000.
Burt, John F.; Whynall, Jeffrey M.; Howe, Jonathan; Knott, Gilbert L.; and Harnvorakiat, Tavin, to Biosystems Inc. Testing device for respiratory protective devices. 4,796,467, 1-10-89, Cl. 73-168.000.
Burt, Lionel J. Two-handed racquet. 4,861,030, 8-29-89, Cl. 273-73.00J.
Burt, Michael G., to British Telecommunications Public Limited Company. Controlled Optical signal absorber apparatus and method using quantum well layer structure. 4,826,295, 5-2-89, Cl. 350-355.000.
Burt, Peter C. W.; Smith, Ian J.; and Wyatt, David A., to Glaxo Group Limited. Valve for aerosol container. 4,863,073, 9-5-89, Cl. 222-402.200.
Burt, Peter J., to General Electric Company. Pyramid processor for building large-area, high-resolution image by parts. 4,797,942, 1-10-89, Cl. 382-41.000.
Burt, Richard A.: *See—*
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Burt, Rodney T.; and Stitt, Robert M., II, to Burr-Brown Corporation. Isolation amplifier including precision voltage-to-duty-cycle converter and low ripple, high bandwidth charge balance demodulator. 4,843,339, 6-27-89, Cl. 330-10.000.
Burt, Willard F.: *See—*
Wing, Feagin A., Jr.; Day, Roger W.; and Burt, Willard F., 4,869,981, Cl. 430-42.000.
Burtin, Pierre: *See—*
Escribano-Crespo, Maria J.; and Burtin, Pierre, 4,843,019, Cl. 436-501.000.
Burtis, Carl A.; and Johnson, Wayne F., to Martin Marietta Energy Systems, Inc. Device and method for automated separation of a sample of whole blood into aliquots. 4,847,205, 7-11-89, Cl. 436-45.000.
Burtis, Carl A.: *See—*
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Burton, Albert A., to Fuel Tech, Inc. Process for reducing the concentration of pollutants in an effluent. 4,842,834, 6-27-89, Cl. 423-235.000.
Burton, Aubrey T.: *See—*
Banyasz, Joseph L.; Burton, Aubrey T.; LaRoy, Bernard C.; and Lowitz, David A., 4,890,053, Cl. 324-58.50A.
Burton, Colin R.; and Davies, Philip, to Ever Ready Limited. Battery powered lamp. 4,800,472, 1-24-89, Cl. 362-158.000.
Burton, Earl G.; Chengelis, Christopher P.; and Walsh, Gerald M., to G. D. Searle & Co. Diol metabolites of 7-phenyl-1,2,4 triazolo[2,3-c]pyrimidines-5-amines. 4,866,063, 9-12-89, Cl. 514-258.000.
Burton, Edward A.; Dike, Charles E.; and Fletcher, Thomas D., to North American Philips Corporation, Signetics Division. Voltage translator with restricted output voltage swing. 4,825,108, 4-25-89, Cl. 307-475.000.
Burton, Edward A.: *See—*
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Burton, Gene, Jr., to Atlanta Attachment Company. Thread undercut attachment for a multi-needle sewing machine. 4,886,005, 12-12-89, Cl. 112-292.000.
Burton, Gregory N., to Fairchild Camera & Instrument Corp. Submerged wall isolation of silicon islands. 4,888,300, 12-19-89, Cl. 437-61.000.
Burton, James A., to University Hospital, The. Specific inhibitors of tissue kallikrein. 4,835,253, 5-30-89, Cl. 530-330.000.
Burton, John F.; and Rogers, Fred A. Activity entry apparatus for making time entries on pre-established time log forms. 4,870,75 10-3-89, Cl. 33-563.000.
Burton, Kenneth R., Jr.; and Turner, Charles B. Aseptic packaging. 4,888,175, 12-19-89, Cl. 424-409.000.
Burton, Larry W., to Avnet, Inc. Programmable electronic antenna rotator. 4,803,412, 2-7-89, Cl. 318-567.000.
Burton, Lester P. J.; and Blumberg, Morris, to Ethyl Corporation. Aqueous aryl fluorophosphite suspension. 4,867,907, 9-19-89, Cl. 252-400.240.
Burton, R. Edward, to Ramos-Thibault Corp. Organic waste recycling system and method. 4,882,058, 11-21-89, Cl. 210-601.000.
Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., to GT-Devices. Pulsed electrothermal thruster. 4,821,508, 4-18-89, Cl. 60-203.100.
Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., to GT-Devices. Pulsed electrothermal thruster. 4,821,509, 4-18-89, Cl. 60-203.100.
Burton, Steven J.: *See—*
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Stead, Cecil V.; Burton, Steven J.; and Lowe, Christopher R., 4,864,018, Cl. 530-351.000.
Burton, Thomas D.; and Purkayastha, Indrajit, to General Electric Company. Test kit for a circuit breaker containing an electronic trip unit. 4,814,712, 3-21-89, Cl. 324-424.000.
Burton, Wendel L., to BASF Corporation. Fiber-containing yarn possessing antimicrobial activity. 4,842,932, 6-27-89, Cl. 428-375.000.
Burton, Wendel L., to BASF Corporation. High speed process of making polyamide filaments. 4,863,664, 9-5-89, Cl. 264-210.600.
Burton, William G., to Bionovus, Inc. Method and apparatus for separating complex mixtures of bio-organic materials. 4,867,855, 9-19-89, Cl. 204-182.800.
Burton, Willie L., Jr. Handcuff holder. 4,852,784, 8-1-89, Cl. 224-255.000.
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Simmons, Robert J., 4,832,179, Cl. 198-461.000.

Burtscher, Heinz; Schmidt-Otl, Adnreas; and Siegmann, Hans-Christoph, to Matter & Siegmann AG. Method and apparatus for characterization of aerosols. 4,837,440, 6-6-89, Cl. 250-379.000.
Burvee, Richard W., to Minnesota Mining and Manufacturing Company. Electrically conductive composition. 4,810,418, 3-7-89, Cl. 252-500.000.
Burvee, Richard W., to Minnesota Mining and Manufacturing Company. Replaceable tube of conductive gel. 4,836,796, 6-6-89, Cl. 439-178.000.
Burwell, Gar W. N., to Rails Company. Adjustable railway fastening. 4,795,091, 1-3-89, Cl. 238-349.000.
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Burwell, William H., to Union Carbide Corporation. Cooling system and method for molten material handling vessels. 4,815,096, 3-21-89, Cl. 373-74.000.
Burwick, Jack L.: *See—*
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Bury, Joachim, to Siemens Aktiengesellschaft. Information transfer system for transferring binary information. 4,843,539, 6-27-89, Cl. 364-200.000.
Burysek, Frantisek; Sloupensky, Jiri; Boucek, Miroslav; Hortlik, Frantisek; Bace, Jiri ; Silar, Zdenek; and Kutlvasr, Jiri. Method of and apparatus for controlling the yarn spinning-in in the open-end spinning process. 4,821,502, 4-18-89, Cl. 57-263.000.
Burysek, Frantisek; Jirka, Bohuslav; Jarolimek, Zdenek; and Fajt, Ludvik, to Vyzkumny ustav bavlnarsky. Cop tube transporting device for textile machines. 4,883,231, 11-28-89, Cl. 242-35.50A.
Burysek, Frantisek; and Andrlik, Pavel, to Vyzkumny ustav bavlnarsky. Device for automatically spinning-in yarn. 4,885,906, 12-12-89, Cl. 57-263.000.
Burysek, Frantisek: *See—*
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Vitak, Josef; and Burysek, Frantisek, 4,876,348, Cl. 57-301.000.
Buryta, Frank. Device for manually recoiling slide action pistols. 4,823,671, 4-25-89, Cl. 89-1.400.
Burzdak, Louis; and Edwards, Timothy D. Spring loaded ecology bug catcher. 4,850,133, 7-25-89, Cl. 43-136.000.
Busacca, Guido; Meli, Vincenzo; and Spalla, Mario, to Selenia Industrie Elettroniche Associate. Traveling-wave tube with damping of undesired frequencies. 4,859,907, 8-22-89, Cl. 315-3.500.
Busak + Luyken GmbH & Co.: *See—*
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Busboom, Garry W.; and Rogge, Gary L., to Exmark Manufacturing Company, Incorporated. Steering sulky for towing vehicles. 4,878,681, 11-7-89, Cl. 280-32.700.
Busbridge, Michael L.; and Puleston, David J., to GEC-Marconi Limited. Display methods and apparatus. 4,827,252, 5-2-89, Cl. 340-729.000.
Busby, Bruce E.: *See—*
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Busby, Kenneth O.: *See—*
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Busch, Alfred: *See—*
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Busch, Daryle H., to Ohio State University Research Foundation, The. Salts of cationic-metal dry cave complexes. 4,888,032, 12-19-89, Cl. 55-38.000.
Busch, Dieter, to Pruftechnik Dieter Busch & Partner GmbH & Co. Method and apparatus for determining and detecting data indicative of the condition of machines through a unique data probe including a test data probe portion and an identifying data sensing probe portion. 4,800,512, 1-24-89, Cl. 364-551.010.
Busch, Dieter; Harless, Friedrich; and Krauss, Gerhard, to Siemens Aktiengesellschaft. Remote control hearing aid. 4,845,755, 7-4-89, Cl. 381-68.000.
Busch, Dieter: *See—*
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Busch, Ewald U., to Innovative Engineering, Inc. Attachment for personal protective respirator. 4,832,011, 5-23-89, Cl. 128-202.130.
Busch, Francis, Jr., to Laura Lupton Inc. Facial cosmetic powder containing crystalline silica and colors. 4,804,532, 2-14-89, Cl. 424-69.000.
Busch, Francis, Jr., to Laura Lupton Inc. Facial cosmetic liquid containing crystalline silica and colors. 4,839,163, 6-13-89, Cl. 424-63.000.
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Busch, Manfred: *See—*
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Busch, Peter; and Thiele, Klaus, to Henkel Kommanditgesellschaft auf Aktien. Hair clip applicator for liquids and method. 4,830,030, 5-16-89, Cl. 132-212.000.
Busch, Peter; and Thiele, Klaus, to Henkel Kommanditgesellschaft auf Aktien. Dispenser for hair cosmetics. 4,867,183, 9-19-89, Cl. 132-110.000.
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Busch, Ralf; and Onnenberg, Volker, to Bayer Aktiengesellschaft. Apparatus for the production of expanded cushions with a textile cover. 4,806,088, 2-21-89, Cl. 425-127.000.
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Busch, Robert E.; and Thoma, Endre P., to International Business Machines Corporation. Apparatus and method for providing a dual sense amplifier with divided bit line isolation. 4,807,195, 2-21-89, Cl. 365-207.000.
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Buschor, Karl, to Ransburg-Gema AG. Electrostatic spray coating device for coating with powder. 4,802,625, 2-7-89, Cl. 239-3.000.
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Buschur, Jeffrey J.; Paulick, David R.; and Schoen, Roy C., to General Motors Corporation. Crank arm assembly for windshield wiper device. 4,798,102, 1-17-89, Cl. 74-600.000.
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Bush, James W.; and Anderson, Gary J., to Copeland Corporation. Rotor balancing. 4,827,174, 5-2-89, Cl. 310-261.000.
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Bushell, Michael J.; and Worthington, Paul A., to Imperial Chemical Industries PLC. Insecticidal azolyl propanols. 4,833,159, 5-23-89, Cl. 514-383.000.
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Bushinsky, Joseph P.: *See—*
  Guro, David E.; Bushinsky, Joseph P.; and Nicholas, David M. 4,846,851, Cl. 55-26.000.
  Nicholas, David M.; Goff, Stephen P.; Roden, Thomas M.; and Bushinsky, Joseph P. 4,836,833, Cl. 55-16.000.
  Nicholas, David M.; Hopkins, Jeffrey A.; and Bushinsky, Joseph P. 4,861,351, Cl. 55-23.000.
Bushman, James B.; Weldon, Clark P.; and Wolfson, Stephen L., to Harco Technologies Corporation. Method and apparatus for electrical surveys of subsurface structures utilizing cell-to-cell technique with correction to direct potential measurements. 4,816,747, 3-28-89, Cl. 324-71.100.
Bushman, Norman P.: *See—*
  Astrope, Myrle E.; and Bushman, Norman P., 4,859,502, Cl. 427-139.000.
Bushnell, Jim L.: *See—*
  Gale, Jody A.; and Bushnell, Jim L., 4,827,776, Cl. 73-864.450.
Bushnell, Raymond N., to ITW, Ltd. Re-usable plastic drive rivets. 4,856,950, 8-15-89, Cl. 411-41.000.
Bushnell, Timothy L.: *See—*
  Armbruster, Randy E.; Brock, Blanchard M.; Bushnell, Timothy L.; and Loose, Guenter H., 4,821,054, Cl. 354-282.000.
Bushong, Jerold W.: *See—*
  Ahlberg, Carl S.; Chamberlin, Davis W.; Bushong, Jerold W.; Oliveira, Robert J.; and Kolpe, Vasant V., 4,880,076, Cl. 181-130.000.
Bushor, Ray E.: *See—*
  Aussieker, David F.; Baker, Gerald N.; and Bushor, Ray E. 4,843,705, Cl. 29-598.000.
Bushway, Kenneth C.; and Loser, Thomas N., to Wyrough & Loser. Process for preparing predispersed fiber compositions. 4,833,191, 5-23-89, Cl. 524-473.000.
Busi, Patrizia: *See—*
  Bertelli, Guido; Busi, Patrizia; and Locatelli, Renato, 4,798,857, Cl. 524-93.000.
Business Forms Limited: *See—*
  Sud, Arun; and Paul, Sankar K., 4,822,770, Cl. 503-214.000.
Business Records Corporation: *See—*
  Gerbel, Jack, 4,807,908, Cl. 283-5.000.
  Narey, James O., 4,813,708, Cl. 283-5.000.
Busk, Grant C., Jr.: *See—*
  Banks, Lori J.; Busk, Grant C., Jr.; Chiang, Bin; and Thulin, Robert, 4,873,098, Cl. 426-94.000.
Busk, Per: *See—*
  Bjerre, Poul; Busk, Per; Gasbjerg, Knud; and Meinild, Curt, 4,817,515, Cl. 99-454.000.
Busker, L. H.: *See—*
  Pulkowski, Jeffrey H.; Macklem, Elizabeth A.; and Busker, L. H. 4,874,469, Cl. 162-359.000.
Buskirk, William A.; Landsness, Carl J.; and Rhodes, John D., to Hewlett-Packard Company. Printer having identifiable interchangeable heads. 4,872,027, 10-3-89, Cl. 346-140.00R.
Buss, Albert: *See—*
  Jung, Rolf; Buss, Albert; and Buchmann, Winfried, 4,874,157, Cl. 270-30.000.
Buss, Anthony D.: *See—*
  Parsons, John H.; Hunt, Russell G.; Leach, Susan E.; Buss, Anthony D.; Green, David E.; Mellor, Michael; and Percival, Albert, 4,853,400, Cl. 514-383.000.
Buss, Christine M.: *See—*
  Binkerd, Mark S.; Buss, Christine M.; Gawrys, George W.; and Stone, Roger E., 4,827,500, Cl. 379-88.000.
Buss, Erich: *See—*
  Rettig, Helmut; Weiss, Karl; and Buss, Erich, 4,815,187, Cl. 29-235.000.
Bussani, Carlo R.: *See—*
  Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., 4,807,618, Cl. 128-878.000.
  Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., 4,817,592, Cl. 128-855.000.

Bussard, Janice W. Holographic art applied to T-shirts or other textile products. 4,838,965, 6-13-89, Cl. 156-83.000.
Bussard, Janice W. Kit for individualized silk screen printing. 4,852,483, 8-1-89, Cl. 101-128.000.
Bussard, Janice W.; and Reenders, Kelley B. Non-spilling snack container. 4,884,717, 12-5-89, Cl. 220-229.000.
Bussard, Robert W., to Energy/Matter Conversion Corporation, Inc. Method and apparatus for controlling charged particles. 4,826,646, 5-2-89, Cl. 376-129.000.
Bussard, Robert W.; and Coppi, Bruno, to FDX Patents Holding Company, N.V. Controlled thermonuclear fusion device and method. 4,836,972, 6-6-89, Cl. 376-131.000.
Bussard, Robert W., to FDX Patents Holding Company, N.V. Modular fusion power apparatus using disposable core. 4,859,399, 8-22-89, Cl. 376-133.000.
Busse Bros. Inc.: *See—*
  Jerred, Harold L., 4,834,605, Cl. 414-791.700.
Busse, Frederick L.: *See—*
  Abramovitz, Robert G.; Anderson, Robert L., Jr.; Busse, Frederick L.; Celarier, Stuart A.; Poublan, Jean-Yves H.; and Shorthill, Lawrence R., 4,809,351, Cl. 382-59.000.
Busse, Fritz: *See—*
  Blumberg, Willy; Schutt, Hans J.; Mette, Ulrich; Barbet, Karl H.; Busse, Fritz; and Klier, Benno, 4,812,073, Cl. 403-134.000.
Busse, Gerd: *See—*
  Kempter, Fritz E.; Matejcek, Franz; Neubach, Werner; and Busse, Gerd, 4,831,106, Cl. 528-227.000.
  Kempter, Fritz E.; Matejcek, Franz; Neubach, Werner; and Busse, Gerd, 4,868,227, Cl. 523-222.000.
Busse, James T.: *See—*
  Williams, Richard A., and Busse, James T., 4,818,133, Cl. 400-124.000.
Busse, Paul J.; and Taggart, Douglas B., to Quantum Chemical Corporation. Removal of hydrocarbon impurities from natural gas-derived methane and/or ethane. 4,822,578, 4-18-89, Cl. 423-245.300.
Bussell, Carol: *See—*
  Carter, William. 4,870,963, Cl. 128-205.240.
Busser, William F.: *See—*
  Pokrandt, Glenn C.; Busser, William F.; Timmermann, Donald N.; and Kuliga, Thomas N., 4,881,921, Cl. 464-54.000.
Bussereau, Marcel; Courtois, Alain; and Huet, Jean-Pierre, to Societe d'Etudes et de Methode d'Applications. Hand tools including a hydraulic jack for the control of working members. 4,823,588, 4-25-89, Cl. 72-453.060.
Bussert, Althea J. Temporary window shades. 4,836,265, 6-6-89, Cl. 160-354.000.
Bussey, Howard E., Jr.; Giacopelli, James N.; and Marcus, William S., to Bell Communications Research, Inc. Non-blocking, self-routing packet switch. 4,797,880, 1-10-89, Cl. 370-60.000.
Bussian, Alfred E.; Williams, Thomas M.; Carmichael, Paul D.; and Paap, Hans J., to Texaco Inc. Production stream analyzer. 4,802,361, 2-7-89, Cl. 73-61.10R.
Bussiere, Guy; and Lablee, Jean, to Roquette Freres. Process for manufacturing cheeses from milk powder by cold renneting. 4,851,237, 7-25-89, Cl. 426-39.000.
Bussiere, Guy; and Lablee, Jean, to Roquette Freres. Process for manufacturing uncooked or part-cooked pressed cheeses. 4,851,238, 7-25-89, Cl. 426-39.000.
Bussiere, Jean F.; Lord, Martin; and Monchalin, Jean-Pierre, to Canadian Patents and Development Limited/Societe Canadienne des Brevets et d'Exploitation Limitee. Method and apparatus for measuring magnetic losses in ferromagnetic materials based on temperature modulation measurements. 4,820,981, 4-11-89, Cl. 324-222.000.
Bussiere, Jean L. Hydroelectric system. 4,843,249, 6-27-89, Cl. 290-53.000.
Bussinger, Allen L.: *See—*
  Shepard, Melvin E.; and Bussinger, Allen L., 4,846,295, Cl. 180-68.500.
  Shepard, Melvin E.; and Bussinger, Allen L., 4,887,685, Cl. 180-209.000.
Bussink, Jan; Ingelbrecht, Hugo G. E.; and Vaishnav, Vinayak, to General Electric Company. Method of preparing an aromatic polycarbonate with phenolic chloroformate chain stopper. 4,864,011, 9-5-89, Cl. 528-198.000.
Bussjager, Rudy: *See—*
  LaCount, Nelon N., II; Vyavaharkar, Dilip Y.; and Bussjager, Rudy, 4,882,913, Cl. 62-409.000.
Bussjager, Rudy C.: *See—*
  Vyavaharkar, Dilip Y.; and Bussjager, Rudy C., 4,835,984, Cl. 62-285.000.
Bussolino, Romolo, to Hastasider Metal S.R.L. Method for on-site maintenance of guardrails. 4,876,784, 10-31-89, Cl. 29-402.060.
Bussonniere, Andre; and Courtois, Yves, to U.S. Philips Corporation. Device having multiplexer for enabling priority and non-priority common circuit. 4,872,108, 10-3-89, Cl. 364-200.000.
Busta, Heinz H.; and Cuellar, Raul D. Micromachined cold cathode vacuum tube device and method of making. 4,855,636, 8-8-89, Cl. 313-306.000.
Busta, Heinz H., to Amoco Corporation. Method of forming vertical gate thin film transistors in liquid crystal array. 4,859,623, 8-22-89, Cl. 437-48.000.
Bustamante, Carlos; Husher, Frederick K.; and Beach, David, to University of New Mexico, The. Differential imaging device. 4,881,818, 11-21-89, Cl. 356-367.000.
Buster, John E.; and Simon, James A., to Research & Education Institute, Harbor-UCLA Medical Center Inc. Method for producing an in vivo environment suitable for human embryo transfer. 4,816,257, 3-28-89, Cl. 424-430.000.
Bustos, Orlando A.: *See—*
  Adriaenssens, Luc W.; Bustos, Orlando A.; and Swanson, David, 4,871,997, Cl. 340-539.000.
Bustos, Rafael T., to Legett & Platt, Incorporated. Display rack. 4,809,855, 3-7-89, Cl. 211-59.200.
Bustos, Rafael T., to Leggett & Platt, Incorporated. Shelf conversion unit for gondola display. 4,872,567, 10-10-89, Cl. 211-59.200.
Bustos, Ricardo A., to Silimed Silicone E Instrumental Medico-Cirurgico e Hospitalar Ltd. Mammary prosthesis. 4,840,629, 6-20-89, Cl. 623-8.000.
Buswell, John A.; and Odier, Etienne, to Institut National de la Recherche Agronomique. Microorganisms of the *Phanerochaete chrysosporium* strain and their use. 4,889,807, 12-26-89, Cl. 435-192.000.
Buswell, Richard F.: *See—*
  Cohen, Ronald; and Buswell, Richard F., 4,828,940, Cl. 429-20.000.
  Maricle, Donald L.; and Buswell, Richard F., 4,857,420, Cl. 429-30.000.
Buta, John R. Dual arbor scrap chopper. 4,858,506, 8-22-89, Cl. 83-342.000.
Buta, Ramos K. Apparatus for the spiral winding of elongated objects, especially strands of hair. 4,824,036, 4-25-89, Cl. 242-7.190.
Butcher, Charles H.: *See—*
  Ciriacks, John A.; and Butcher, Charles H., 4,865,750, Cl. 210-757.000.
Butcher, David W.: *See—*
  Doyle, James; Butcher, David W.; and Clark, John A., 4,816,360, Cl. 430-2.000.
  Groves, Trevor; and Butcher, David W., 4,826,745, Cl. 430-1.000.
Butcher, Gary J. Baseball pitching training apparatus. 4,826,164, 5-2-89, Cl. 273-26.00A.
Butcher, Ian; and Hillman, Kevin P., to Thomas J. Lipton, Inc. Method of producing variegated extruded products. 4,873,104, 10-10-89, Cl. 426-249.000.
Butcher, Ian; Carrick, Gordon S.; and Hillman, Kevin P., to Thomas J. Lipton Inc. Apparatus for preparation of confection products. 4,878,425, 11-7-89, Cl. 99-450.200.
Butcher, James D.; and Bastien, Eugene R., to General Motors Corporation. Radio mounting assembly having self-aligning trim bezel. 4,867,398, 9-19-89, Cl. 248-27.300.
Butcher, James S., to Siemens Transmission Systems, Inc. High resolution digital phase-lock loop circuit. 4,847,870, 7-11-89, Cl. 375-87.000.
Butcher, Kenneth R., to Norton Company. Process for making ceramic bodies with open channels. 4,814,029, 3-21-89, Cl. 156-89.000.
Butcher, Miles E., to British Telecommunications Public Limited Company. Omnidirectional antenna with hollow point source feed. 4,825,222, 4-25-89, Cl. 343-836.000.
Butcher, Robert A.: *See—*
  LaRoche, Allan R.; Butcher, Robert A.; Dubuc, Jean A.; and Pearmain, Douglas S., 4,848,044, Cl. 52-58.000.
Butcher, Ronald S.; and Khattab, Mohamed A., to National Steel Car Limited. Centre beam railroad car. 4,802,420, 2-7-89, Cl. 105-355.000.
Butchko, Joseph R. Vehicle light testing system for testing a plurality of lights using a scanning sequence. 4,866,390, 9-12-89, Cl. 324-504.000.
Butchkov, Dimiter T.; Dragieva, Yovka D.; Nikolov, Zvetan K.; Georgiev, Georgi G.; Slavtcheva-Staikova, Mina S.; and Grozdanova, Ivanka S., to VMEI Lenin, Quartal Darvenitza. Method for the manufacture of a thermostable amorphous ferromagnetic powder. 4,822,409, 4-18-89, Cl. 75-0.5AA.
Butefisch, Karl-Aloys, to Deutsche Forschungs- und Versuchsanstalt. Method and device for contactless optical measurement of distance changes. 4,884,888, 12-5-89, Cl. 356-373.000.
Buter, Johannes H. A.: *See—*
  Van Tol, Maurits W.; and Buter, Johannes H. A., 4,885,760, Cl. 378-82.000.
Buter, Roelof; and Roelofs, Andreas H. J., to Akzo N.V. Thixotropic coating composition, process for coating a substrate with such coating composition and the coated substrate thus obtained. 4,851,294, 7-25-89, Cl. 428-425.800.
Buter, Roelof, to Akzo nv. Dispersion of addition (co)polymers in an organic liquid. 4,857,574, 8-15-89, Cl. 524-396.000.
Buter, Roelof, to Akzo N.V. Dispersion stabilizer and polymeric aqueous dispersion prepared therefrom. 4,857,577, 8-15-89, Cl. 524-458.000.
Buter, Roelof, to Akzo N.V. Aqueous dispersion of an addition polymer. 4,871,797, 10-3-89, Cl. 524-505.000.
Butera, Antonio: *See—*
  Orlando, Crescenzo; Zenere, Sandro; Butera, Antonio; and Beghetto, Leonardo, 4,883,386, Cl. 405-136.000.
Butikofer, Jurg; and Meyer, Hans, to BBC Brown Boveri AG. Steam turbine for part load operation. 4,881,872, 11-21-89, Cl. 415-143.000.
Butina, Darko; Dowle, Michael D.; Bays, David E.; and Webb, Colin F., to Glaxo Group Limited. 5-Aminosulphoryl substituted indole derivatives. 4,876,267, 10-24-89, Cl. 514-415.000.
Butina I/S: *See—*
  Haumann, Klaus; and Kildegaard, Ejvind, 4,888,855, Cl. 17-1.00A.
Butka, Kemal. Vessel such as a ship, boat and the like provided with stabilizing means. 4,802,429, 2-7-89, Cl. 114-124.000.
Butkus, Anthony K.: *See—*
  Ault, Neil N.; Butkus, Anthony K.; and Trostel, Louis J., 4,823,359, Cl. 373-137.000.
Butland, Charles L., to Print-Lock Corp. Method for labeling an object for its verification. 4,882,195, 11-21-89, Cl. 427-1.000.
Butler, Alan L.; and Childs, Peter A. Fabrication of MOS-transistors. 4,833,097, 5-23-89, Cl. 437-31.000.

Butler, Alfred L.; and Chechile, Robert A., to Litton Systems, Inc. Glass driver for laser mirror. 4,824,253, 4-25-89, Cl. 356-350.000.

Butler, Barry L. Wind resistant two axis tracker for energy or radiation concertrators. 4,870,949, 10-3-89, Cl. 126-424.000.

Butler, Bruce D.: *See—*

Leiman, Basil C.; Butler, Bruce D.; Katz, Jeffrey; and Salzarulo, Henry H., 4,879,999, Cl. 128-207.140.

Butler, Byron, to Lie Angle Solutions, Inc. Method and apparatus for molding golf club heads. 4,842,243, 6-27-89, Cl. 249-124.000.

Butler, Christine E.: *See—*

Mollett, Christopher C.; Butler, Christine E.; and Burstall, Michael L., 4,808,433, Cl. 427-36.000.

Butler, Daniel P.: *See—*

Touchet, Paul; Rodriguez, Gumersindo; Gatza, Paul E.; Butler, Daniel P.; Crawford, Dawn; Teets, Alan R.; Feuer, Hank O.; and Flanagan, David P., 4,843,114, Cl. 524-87.000.

Butler, David L., to Oberg Enterprises, Inc. Quick lockable tilting hoist tackle. 4,832,392, 5-23-89, Cl. 294-82.120.

Butler, Ernest P.: *See—*

Bryant, Anthony J.; Field, David J.; and Butler, Ernest P., 4,861,389, Cl. 148-3.000.

Butler, F. Prince: *See—*

Rash, Mark S.; Harrison, Nicholas D.; and Butler, F. Prince, 4,878,238, Cl. 379-62.000.

Butler, Gerald E., to Eastman Kodak Company. Impurity removal from carbon monoxide and/or hydrogen-containing streams. 4,827,043, 5-2-89, Cl. 568-492.000.

Butler, Graham; and Heyward, Malcolm P., to British Petroleum Company p.l.c., The. Process for the production of a syngas conversion catalyst. 4,826,803, 5-2-89, Cl. 502-304.000.

Butler, James W.; Maker, Paul D.; Korniski, Thomas J.; and Colvin, Alex D., to Ford Motor Company. Method of measuring multicomponent constituency of gas emission flow. 4,801,805, 1-31-89, Cl. 250-343.000.

Butler, Jerry F.: *See—*

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,446, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Whithycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,448, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,808,403, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,816,248, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,818,526, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,859,463, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,876,087, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,880,625, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald A.; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,886,662, Cl. 424-84.000.

Butler, John D.; and Chandler, Jon A., to Federal-Mogul Corporation. Radial lip seal. 4,822,058, 4-18-89, Cl. 277-152.000.

Butler, John D., to Mechtrix Corporation. Sonic wire welders. 4,826,067, 5-2-89, Cl. 228-1.100.

Butler, John D., to Mechtrix Corporation. Interlocking blade pair for stripping insulated electrical conductors. 4,852,433, 8-1-89, Cl. 81-9.510.

Butler, John D.; and Johnson, Keith A., to Mechtrix Corporation. Apparatus and method for removing a slug of insulation along a length of insulated wire. 4,870,878, 10-3-89, Cl. 81-9.510.

Butler, John D.: *See—*

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Butler, John L., to Image Acoustics, Inc. Electro-mechanical transduction apparatus. 4,845,688, 7-4-89, Cl. 367-174.000.

Butler, John L., to Image Acoustics, Inc. Flextensional transducer. 4,864,548, 9-5-89, Cl. 367-155.000.

Butler, John M.; Chertoff, Richard P.; and Harvey, James A., to University of Dayton. Process for the preparation of aromatic ether bismaleimides. 4,855,450, 8-8-89, Cl. 548-522.000.

Butler, John M.: *See—*

Ward, Robert T.; and Butler, John M., 4,800,314, Cl. 310-260.000.

Butler, John M., III; and Lichtenfels, Kurt K., to Westinghouse Electric Corp. Method for feeding a through-bolt through a bore in a stator core. 4,845,836, 7-11-89, Cl. 29-596.000.

Butler, John P., to R. J. Reynolds Tobacco Company. Overwrapped package with tamper indicating means. 4,865,198, 9-12-89, Cl. 206-459.000.

Butler, John P.: *See—*

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Wampler, Richard K.; Carriker, John W.; Butler, Kenneth C.; and Moise, John C., 4,846,152, Cl. 128-1.00D.

Butler, Lawrence: *See—*

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Butler, Lee D.: *See—*

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Butler Manufacturing Company: *See—*

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Domigan, Charles N., 4,879,435, Cl. 174-48.000.

Hadfield, Robert W., 4,883,924, Cl. 174-48.000.

Heisey, Raymond K., Jr.; Barker, W. David; Mariano, Arturo C.; and Thurnau, Vernon L., 4,873,808, Cl. 52-478.000.

Mohr, Gregory L., 4,800,237, Cl. 174-48.000.

Silvey, James L., 4,821,480, Cl. 52-632.000.

Butler, Michael A.; and Ginley, David S., to United States of America Energy. Optical fiber sensor technique for strain measurement. 4,841,778, 6-27-89, Cl. 73-800.000.

Butler, Myron C.; and Madore, Christopher, to Communication Manufacturing Co. Telephone technician's terminals. 4,837,811, 6-6-89, Cl. 379-96.000.

Butler, Neal R.: *See—*

McClelland, Jeff L.; Iwasa, Shigesato; and Butler, Neal R., 4,831,257, Cl. 250-338.100.

Butler, Peter D.: *See—*

Corbin, Maxwell H., Jr.; and Butler, Peter D., 4,854,771, Cl. 404-79.000.

Corbin, Maxwell H., Jr.; and Butler, Peter D., 4,863,309, Cl. 404-77.000.

Butler, Philip L.: *See—*

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Butler, Raymond O., Jr.: *See—*

Gray, Ronald N.; and Butler, Raymond O., Jr., 4,862,123, Cl. 335-131.000.

Butler, Richard J.: *See—*

Bartoszek-Loza, Rosemary; and Butler, Richard J., 4,837,057, Cl. 427-388.400.

Butler, Richard M., to Great Northern Corporation. Packaging system for material rolls and improved structure for use therein. 4,832,196, 5-23-89, Cl. 206-391.000.

Butler, Robert B. Light-transmitting thermal barrier. 4,796,404, 1-10-89, Cl. 52-789.000.

Butler, Scott J.: *See—*

Byszewski, Wojciech W.; Butler, Scott J.; Regan, Robert J.; and Proud, Joseph M., 4,888,528, Cl. 315-344.000.

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Butler, Timothy C.: *See—*

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Butler, Wilbur T. Tiltable bed frame assembly. 4,856,129, 8-15-89, Cl. 5-62.000.

Butot, Lucas A., to I.K. International B.V. Device for heating a product by means of dielectric high frequency heating. 4,812,609, 3-14-89, Cl. 219-10.810.

Butt, Sheldon H., to Olin Corporation. Multi-layer circuitry. 4,827,37 5-2-89, Cl. 361-401.000.

Butt, Sheldon H., to Olin Corporation. Semiconductor packaging. 4,839,716, 6-13-89, Cl. 357-74.000.

Butt, Sheldon H.; and Voss, Scott V., to Olin Corporation. Heat dissipating interconnect tape for use in tape automated bonding. 4,849,857, 7-18-89, Cl. 361-388.000.

Butt, Sheldon H., to Olin Corporation. Printed circuit board. 4,851,615, 7-25-89, Cl. 174-68.500.

Butt, Sheldon H., to Olin Corporation. Chip carrier. 4,853,491, 8-1-89, Cl. 174-52.400.

Butt, Sheldon H., to Olin Corporation. Chip carrier. 4,862,323, 8-29-89, Cl. 361-388.000.

Butt, Sheldon H., to Olin Corporation. Semiconductor package. 4,866,571, 9-12-89, Cl. 361-386.000.

Butt, Sheldon H., to Olin Corporation. Sealed semiconductor casing. 4,889,960, 12-26-89, Cl. 174-52.400.

Butt, Sheldon H.: *See—*

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Crane, Jacob; Johnson, Barry C.; Mahulikar, Deepak; and Butt, Sheldon H., 4,888,449, Cl. 174-52.400.

Pryor, Michael J.; Eppler, Richard A.; Smith, Edward F., III; and Butt, Sheldon H., 4,805,009, Cl. 357-70.000.

SinghDeo, Narendra N.; Mahulikar, Deepak; and Butt, Sheldon H., 4,882,212, Cl. 428-76.000.

SinghDeo, Narendra N.; Mahulikar, Deepak; and Butt, Sheldon H., 4,883,778, Cl. 501-19.000.

Smith, Charles W.; Butt, Sheldon H.; and Shapiro, Eugene, 4,882,236, Cl. 428-652.000.

Butterfield, Roger P.; and Smith, Franklin R., to Borg-Warner Transmission and Engine Components Corporation. Variable camshaft timing system. 4,862,845, 9-5-89, Cl. 123-90.150.

Butterfield, Roger P.; Neumann, Guenter J.; and Wykstra, Curt A., to Borg-Warner Automotive, Inc. Variable speed transmission. 4,873,879, 10-17-89, Cl. 74-689.000.

Butterfield, Waldo K. Compound bow. 4,817,580, 4-4-89, Cl. 124-23.00R.

Butterfield, William P.; and Ridgway, Paul A., to H. P. Incorporated. Combined electrical and mechanical coupling for ceiling mounted device. 4,810,207, 3-7-89, Cl. 439-529.000.

Butterfield, William P.: *See—*

Ridgway, Paul A.; and Butterfield, William P., 4,871,327, Cl. 439-543.000.

Butterly, Edward R., Jr.; and Stoppel, Doyle, to Doran Brothers Inc. Dairy casing method and apparatus. 4,843,797, 7-4-89, Cl. 53-448.000.

Buttermore, Alun L.; and Harder, Mark T., to Boeing Company, The. Method of making an electrically resistive sheet. 4,836,875, 6-6-89, Cl. 156-231.000.

Butternut Electronics Company: *See—*

Newcomb, Donald R., 4,833,483, Cl. 343-722.000.

Butters, Alan; Blackmore, Diana C.; and Page, Darrin J., to Imperial Chemical Industries PLC. Inkable sheet. 4,857,386, 8-15-89, Cl. 428-206.000.

Butters, Alan; and Page, Graham A., to Imperial Chemical Industries PLC. Coating composition. 4,857,568, 8-15-89, Cl. 523-456.000.

Butterweck, Artur: *See—*

Bohne, Hans; Butterweck, Artur; Pothe, Erich; and Hansohm, Hans-Jurgen, 4,833,968, Cl. 89-36.080.

Butterwick, Gilbert N.: *See—*

Helvy, Fred A.; and Butterwick, Gilbert N., 4,855,642, Cl. 313-532.000.

Butterworth, Donald J., to Bell of Pennsylvania. RF shielded and electrically insulated circuit board structure and method of making same. 4,858,075, 8-15-89, Cl. 361-395.000.

Butterworth, Donald J.: *See—*

Davis, Thomas A.; and Butterworth, Donald J., 4,880,513, Cl. 204-182.400.

Butterworth, George E., III: *See—*

Woods, David D.; Elm, William C.; Lipner, Melvin H.; Butterworth, George E., III; and Easter, James R., 4,816,208, Cl. 376-259.000.

Butterworth Jetting Systems, Inc.: *See—*

Holmes, Arthur J., 4,826,474, Cl. 414-699.000.

Butterworth, Lynda M.: *See—*

Butterworth, Nathan I.; and Butterworth, Lynda M., 4,879,455, Cl. 235-280.000.

Butterworth, Nathan I.; and Butterworth, Lynda M. Self-verifying transaction cards. 4,879,455, 11-7-89, Cl. 235-280.000.

Butti, Alina: *See—*

Barzaghi, Fernando; and Butti, Alina, 4,867,737, Cl. 562-463.000.

Buttke, Robert D.; and Frey, John R., to Amoco Corporation. Process for collecting vapor in ebullated bed reactors. 4,804,458, 2-14-89, Cl. 208-143.000.

Buttke, Robert D.: *See—*

Peck, Lawrence B.; Buttke, Robert D.; Ott, George L.; and Cox, Jeffry A., 4,808,298, Cl. 208-212.000.

Buttolph, David E.: *See—*

Atkinson, Arthur H.; and Buttolph, David E., 4,796,602, Cl. 126-59.500.

Button, Donald C.: *See—*

Scott, Paul F.; Button, Donald C.; Reeves, Charles B.; and Howerter, Edward D., 4,820,972, Cl. 324-61.00P.

Buttram, Malcolm T.; and Ginn, Jerry W., to United States of America, Energy. Linear induction accelerator and pulse forming networks therefor. 4,888,556, 12-19-89, Cl. 328-233.000.

Butts, Brian B. Body harness for supporting a fishing rod. 4,858,364, 8-22-89, Cl. 43-21.200.

Butts, Gary, to Ling Electronics, Inc. Link arm suspension. 4,858,488, 8-22-89, Cl. 74-519.000.

Butts, Gary C., to Labworks, Inc. Electro-optically activated switch with tactile feedback. 4,803,362, 2-7-89, Cl. 250-229.000.

Butts, Gary C., to Labworks Inc. Mail sorting computer keyboard. 4,825,022, 4-25-89, Cl. 200-343.800.

Butts, H. Bruce, Jr.; Cutler, David N.; Schnorr, Peter C.; and Short, Robert T., to Digital Equipment Corporation. Central processing unit for a digital computer. 4,812,971, 3-14-89, Cl. 364-200.000.

Butts, Kenneth R.; and Wanamaker, Joseph L., to General Motors Corporation. Event sequenced clutch-to-clutch downshift for an electronically controlled transmission. 4,796,490, 1-10-89, Cl. 74-866.000.

Butts, Kenneth R.; and Wanamaker, Joseph L., to General Motors Corporation. Remotely configurable solenoid driver circuit for direct pressure electronic transmission control. 4,796,853, 1-10-89, Cl. 251-129.050.

Butts, Susan B., to Dow Chemical Company, The. Process for hydroformylation of unsaturated compounds using iron carbonyl catalysts. 4,847,229, 7-11-89, Cl. 502-174.000.

Butuk, Fred N.; and Hantke, Glenn M., to Morris Rod-Weeder Co., Ltd. Air seeder sample collector. 4,834,004, 5-30-89, Cl. 111-200.000.

Butvila, Jonas: *See—*

Bishop, Thomas P.; Butvila, Jonas; Fitch, David J.; Hansen, Robert C.; Schmitt, David A.; and Surratt, Grover T., 4,823,256, Cl. 364-200.000.

Butz, Otto: *See—*

Bauer, Walter; Schmidt, Manfred; Plaschke, Herbert; and Butz, Otto, 4,819,317, Cl. 29-407.000.

Butz, Ralph A.: *See—*

Boughton, John H.; Butz, Ralph A.; Cheng, Herman C. T.; Dennis, Jonathan R.; Hannon, Brian T.; and Weigel, Janet H., 4,879,043, Cl. 210-651.000.

Butz, Steven J.: *See—*

Wonak, Daniel C.; Butz, Steven J.; and Miller, William A., II, 4,839,802, Cl. 364-200.000.

Butzen, James K.; Happ, Kenneth C.; and Giese, Robert D., to Snap-on Tools Corporation. Cover for pneumatic tool. 4,879,847, 11-14-89, Cl. 51-170.00R.

Buuck, Bryce A.; Chapman, John P.; and Clark, David P., to Eaton Corporation. Hydraulic lash adjuster. 4,815,424, 3-28-89, Cl. 123-90.460.

Buuck, Bryce A.: *See—*

Breon, Mark S.; Buuck, Bryce A.; and Ecklund, Leslie L., 4,826,470, Cl. 474-110.000.

Buus, Peter, to Aktieselskabet Thomas Ths. Sabroe & Co. Cylindrical freezing drum for slice ice making machines and a method of producing the drum. 4,827,734, 5-9-89, Cl. 62-354.000.

Bux, Werner K.; Closs, Felix H.; Mueller, Johann R.; Van As, Harmen R.; and Zafiropulo, Pitro A., to International Business Machines Corp. Local area communication system for integrated services based on a token-ring transmission medium. 4,843,606, 6-27-89, Cl. 370-89.000.

Buxade-Vinas, Antonio, to Laboratorios Vinas S.A. Chromoglycic acid derivative. 4,855,443, 8-8-89, Cl. 548-372.000.

Buxbaum, Lother; and Stessel, Helmut, to BBU-Chemie Gesellschaft m.b.H. Halogen-containing fillers for abrasive bodies, in particular for grinding wheels or cutting wheels, to a process for the production of these fillers and to abrasive bodies containing them. 4,877,420, 10-31-89, Cl. 51-309.000.

Buxbaum, Susan P.: *See—*

Vu, Cung; Buxbaum, Susan P.; Blank, Norman E.; and Hartwig, Richard C., 4,855,185, Cl. 428-423.100.

Buxe, Paul M., to United Technologies Corporation. Gas turbine engine balancing. 4,817,455, 4-4-89, Cl. 74-573.00R.

Buxmann, Kurt: *See—*

Freti, Silvano; and Buxmann, Kurt, 4,842,674, Cl. 156-601.000.

Buxton, Brian F. Rotary weight lifting machine. 4,807,877, 2-28-89, Cl. 272-130.000.

Buxton, Clifford A.: *See—*

Leone, David A.; and Buxton, Clifford A., 4,866,225, Cl. 200-144.00R.

Leone, David A.; and Buxton, Clifford A., 4,871,889, Cl. 200-146.00R.

Leone, David A.; Buxton, Clifford A.; and Robbins, W. Dale, 4,876,424, Cl. 200-306.000.

Buxton, Francis P.; Gwynne, David I.; and Davies, Roger W., to Allelix, Inc. Aspergillus niger transformation system. 4,885,249, 12-5-89, Cl. 435-172.300.

Buxton, Gerry: *See—*

Hertel, James E.; and Buxton, Gerry, 4,828,195, Cl. 242-66.000.

Buyak, William P., to General Signal Corporation. Solenoid operated doorbell. 4,864,275, 9-5-89, Cl. 340-392.000.

Buyalos, Edward J.; Millure, David W.; Neal, James G.; and Rowan, Hugh H., to Allied-Signal Inc. Process for producing high strength polyester yarn for improved fatigue resistance. 4,867,936, 9-19-89, Cl. 264-210.600.

Buyan, Frank M.; and Ross, Mark S., to Mobil Oil Corporation. FCC reactor multi-feed nozzle system. 4,808,383, 2-28-89, Cl. 422-140.000.

Buyanov, Valentin M.: *See—*

Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kuzovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I., 4,847,065, Cl. 424-5.000.

Buyofsky, Conrad C.; and Kennette, John W., to Chicopee. Reinforced fabric laminate and method for making same. 4,810,568, 3-7-89, Cl. 428-284.000.

Buysch, Hans-Josef; and Kloker, Werner, to Bayer Aktiengesellschaft. Process for the preparation of bisphenol-bisacrylates. 4,812,591, 3-14-89, Cl. 560-140.000.

Buysch, Hans-Josef; Wellner, Wolfgang; and Gruber, Hermann, to Bayer Aktiengesellschaft. Sulphonic acid amidamines. 4,816,576, 3-28-89, Cl. 544-398.000.

Buysch, Hans-Josef; Schon, Norbert; Eichenauer, Herbert; Kress, Hans-Jurgen; and Buekers, Josef, to Bayer Aktiengesellschaft. Anti-static, thermoplastic moulding compound based on polycarbonates and aromatic vinyl polymers. 4,839,421, 6-13-89, Cl. 525-67.000.

Buysch, Hans-Josef; Schon, Norbert; Kress, Hans-Jurgen; Eichenauer, Herbert; and Buekers, Josef, to Bayer Aktiengesellschaft. Flame resistant antistatic polycarbonate moulding compounds. 4,883,835, 11-28-89, Cl. 524-504.000.

Buysch, Hans-Josef: *See—*

Fengler, Gerd; Klausener, Alexander; Buysch, Hans-Josef; Mardin, Mithat; and Pelster, Bernhard, 4,861,878, Cl. 544-48.000.

Kausch, Michael; Buysch, Hans-Josef; Schroer, Hans; and Suling, Carlhans, 4,877,825, Cl. 524-101.000.

Mues, Peter; and Buysch, Hans-Josef, 4,851,550, Cl. 549-334.000.

Piejko, Karl-Erwin; Bomer, Bruno; Buysch, Hans-Josef; and Hullmann, Michael, 4,879,367, Cl. 528-371.000.

Buyske, Donald A. Method for administering the drug deprenyl so as to minimize the danger of side effects. 4,861,800, 8-29-89, Cl. 514-646.000.

Buyske, Donald A. Method of treating depression. 4,868,218, 9-19-89, Cl. 514-646.000.

Buyukguclu, Mehmet Ali, to Siemens Aktiengesellschaft. Apparatus and method for filling a toner reservoir by suction. 4,833,501, 5-23-89, Cl. 355-3.00R.

Buzak, Thomas S., to Tektronix, Inc. Method and apparatus for addressing optical data storage locations. 4,864,538, 9-5-89, Cl. 365-128.000.

Buzak, Thomas S.; and Vatne, Rolf S., to Tektronix, Inc. Method of addressing display regions in an electron beam-addressed liquid crystal light valve. 4,884,874, 12-5-89, Cl. 350-336.000.

Buzas, Andre; and Ollivier, Roland, to Les Laboratoires Meram. 1-[(1,1-diphenyl)-1-alkenyl]piperazine derivatives, method of preparation and pharmaceutical compositions in which they are present. 4,882,331, 11-21-89, Cl. 514-255.000.

Buzby, Paul R.; Reid, Paul D.; Lopez, Edmond S.; and Kelly, Terence C., to Wickes Manufacturing Company. Portable aircraft arresting apparatus. 4,809,933, 3-7-89, Cl. 244-110.00C.

Buzetzki, Eduard, to Howorka, Franz. Thermal decomposition furnace. 4,867,676, 9-19-89, Cl. 432-96.000.

Buzza, Edmund E.; and Jackson, Delbert D., to Beckman Instruments, Inc. Sample handling system. 4,888,998, 12-26-89, Cl. 73-864.210.

Buzzell, John G.: *See—*
  Bauer, Richard D.; Buzzell, John G.; and Koenigkramer, Rusty E., 4,849,322, Cl. 430-285.000.

Buzzelli, Dennis K., to Eaton Corporation. Electronic module locking mechanism. 4,853,829, 8-1-89, Cl. 361-386.000.

Buzzelli, Edward S.: *See—*
  Jackovitz, John F.; Moyes, Hilary; and Buzzelli, Edward S., 4,804,598, Cl. 429-254.000.
  Jackovitz, John F.; Zuckerbrod, David; and Buzzelli, Edward S., 4,822,698, Cl. 429-27.000.

Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Salle, Enrico, to Farmitalia Carlo Erba S.p.A. 6-substituted androsta-1,4-diene-3,17-diones. 4,808,616, 2-28-89, Cl. 514-177.000.

Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, to Farmitalia Carlo Erba S.p.A. 1,2-beta-methylene-4-substituted androstene-3,17-dione derivatives and process for their preparation. 4,810,423, 3-7-89, Cl. 260-397.400.

Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Salle, Enrico, to Farmitalia Carlo Erba S.p.A. 6- or 7-methylenandrosta-1,4-diene-3,17-dione derivatives and process for their preparation. 4,824,830, 4-25-89, Cl. 514-177.000.

Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, to Farmitalia Carlo Erba S.p.A. Androst-4-ene-3,17-diones and process for their preparation. 4,840,943, 6-20-89, Cl. 514-177.000.

Buzzetti, Franco: *See—*
  Colombo, Maristella; Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,822,528, Cl. 260-397.300.

Buzzetti, Michelle: *See—*
  Vigna, Bernardino, deceased; Saccinni ved. Vigna, Luisa, heir; Vigna in Gregnanin, Stefania, heir; Vigna in Chiesa, Daniela, heir; and Buzzetti, Michelle, 4,834,671, Cl. 439-416.000.

Buzzi, Carlo; de Couet, Alexandre; and Hamid, Mohamed. Drill guide aiming device for medullary rods. 4,865,025, 9-12-89, Cl. 128-92.0VD.

Buzzi, Carlo A.: *See—*
  Mader, Karl; Schonenberger, Guido; and Buzzi, Carlo A., 4,802,480, Cl. 128-400.000.

Buzzi, Ugo, to Azypatent AG. Machine with a table with intermittent rotation. 4,862,569, 9-5-89, Cl. 29-38.00C.

B.V. Aannemingsbedriof N.B.M.: *See—*
  De Leur, Laurens C., 4,881,475, Cl. 110-346.000.

B.V. Asphalt-en Chemische Fabrieken Smid & Hollander: *See—*
  Hollander, Jan, 4,819,848, Cl. 225-96.000.
  Hollander, Jan, 4,874,652, Cl. 428-137.000.

B.V. Grint: *See—*
  Smals, Michael R.; Thissen, Peter C.; and Tiemersma, Jan J., 4,828,393, Cl. 366-2.000.

B.V. Optische Industrie 'De Oude Delft': *See—*
  de la Fonteijne, Marcel R., 4,861,977, Cl. 250-213.0VT.
  Geluk, Ronald J., 4,856,040, Cl. 378-146.000.
  Houtkamp, Johannes J., 4,855,586, Cl. 250-213.0VT.
  Mulder, Hendrik, 4,821,306, Cl. 378-156.000.
  Vlasbloem, Hugo, 4,859,855, Cl. 250-385.100.

BW Hydraulik GmbH: *See—*
  Kuttruf, Werner, 4,825,745, Cl. 91-24.000.

BW-USA, Inc.: *See—*
  Judkins, Ren, 4,880,044, Cl. 160-84.100.

BWG Bergwerk-und Walzwerk-Maschinenbau GmbH: *See—*
  Noe, Oskar; Noe, Rolf; Noe, Andreas; and Koppers, Hermann, 4,819,470, Cl. 72-161.000.

Byar, Peter D.: *See—*
  Bressler, Peter W.; Byar, Peter D.; Beck, Benjamin J.; Fluke, G. Gordon, Jr.; Magill, Brad; Winig, Gary; and Magill, Tracy H., 4,856,811, Cl. 280-652.000.

Byars, Steven J.; and Carr, William N., to GTE Communication Systems Corporation. Packet bus interface. 4,802,161, 1-31-89, Cl. 370-94.000.

Byars, Steven J.: *See—*
  Opderbeck, Holger; Sencer, Gulay; Carr, William N.; and Byars, Steven J., 4,796,256, Cl. 370-110.100.

Bye, Jeffrey C.; and Gabriel, Mark F., to Boeing Company, The. End-effector assembly for countersinking a predrilled bore. 4,818,154, 4-4-89, Cl. 408-111.000.

Bye, Jeffrey C.: *See—*
  Gabriel, Mark F.; Sykes, Walter D.; and Bye, Jeffrey C., 4,813,911, Cl. 464-173.000.

Bye, Matthew R.: *See—*
  Jagannathan, Ramesh; and Bye, Matthew R., 4,805,065, C 360-135.000.
  Jagannathan, Ramesh; and Bye, Matthew R., 4,855,028, C 204-180.200.

Bye, Richard L.: *See—*
  Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner David J., 4,828,632, Cl. 148-437.000.
  Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner David J., 4,878,967, Cl. 148-437.000.
  Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner David J., 4,879,095, Cl. 420-548.000.

Bye, Richard L., Jr.; Bose, Debasis; Das, Santosh K.; Datta, Amitava and Adam, Colin M., to Allied Signal Inc. Production of low temperature aluminum based brazing alloys. 4,838,341, 6-13-89, C 164-463.000.

Bye, Richard L., Jr.: *See—*
  Das, Santosh K.; Chang, Chin-Fong; and Bye, Richard L., Jr 4,865,657, Cl. 148-113.000.

Byer, Andrew. Doll. 4,883,441, 11-28-89, Cl. 446-99.000.

Byer, Robert L.; and Fan, Tso Y., to Board of Trustees, Leland J Stanford University. Diode pumped laser and doubling to obtain blu light. 4,809,291, 2-28-89, Cl. 372-75.000.

Byer, Robert L.; and Basu, Santanu, to Board of Trustees, Leland J Stanford University. Moving slab laser. 4,833,682, 5-23-89, C 372-34.000.

Byer, Robert L.; and Fan, Tso Y., to United States of America, Nationa Aeronautics and Space Administration. Cladding for transverse pumped solid-state laser. 4,860,295, 8-22-89, Cl. 372-19.000.

Byer, Robert L.: *See—*
  Basu, Santanu; and Byer, Robert L., 4,890,289, Cl. 372-33.000.
  Fejer, Martin M.; and Byer, Robert L., 4,880,297, Cl. 350-355.00

Byerley, Leon G., III: *See—*
  Krider, E. Philip; Pifer, Alburt E.; and Byerley, Leon G. III 4,806,851, Cl. 324-72.000.

Byerley, Thomas J.: *See—*
  Engel, James F.; Byerley, Thomas J.; and Christie, Howard W. 4,876,323, Cl. 526-310.000.

Byers, Charles H., Jr.; Michl, Terry L.; and Acord, Dennis E. t Arizona Instrument Corporation. Apparatus for determining percen of moisture. 4,838,705, 6-13-89, Cl. 374-14.000.

Byers, Charles L.; Loeb, Gerald E.; Merzenich, Michael M.; and Rebscher, Stephen J., to University of California, The Regents of the. Intracochlear electrode array. 4,819,647, 4-11-89, Cl. 128-642.000.

Byers, Charles L.; Schulman, Joseph H.; and Whitmoyer, David I. t Alfred E. Mann Foundation for Scientific Research. Method of making an electrode array. 4,837,049, 6-6-89, Cl. 427-96.000.

Byers, Dallas L., to Shell Oil Company. Gas treating process and composition. 4,840,782, 6-20-89, Cl. 423-576.600.

Byers, Gary L.; and Byers, Timothy W. Adjustable support mechanism for vehicle side view mirror. 4,815,836, 3-28-89, Cl. 350-604.000.

Byers, Gary W., to Eastman Kodak Company. Stabilizer-donor element used in thermal dye transfer. 4,855,281, 8-8-89, Cl. 503-227.000.

Byers, Gary W.; and Henzel, Richard P., to Eastman Kodak Company. Thermally-transferable fluorescent diphenylpyrazolines. 4,866,02 9-12-89, Cl. 503-227.000.

Byers, Gary W.; and Chapman, Derek D., to Eastman Kodak Company. Thermally-transferable fluorescent diphenyl ethylenes 4,871,714, 10-3-89, Cl. 503-227.000.

Byers, Gary W.; and Chapman, Derek D., to Eastman Kodak Company. Thermally-transferable fluorescent 7-aminocoumarins 4,876,237, 10-24-89, Cl. 503-227.000.

Byers, Hugo; and Lang, Tracy H., to Stanadyne, Inc. Plumbing fixture with interior insulating and adhesive foam. 4,884,596, 12-5-89, C 137-801.000.

Byers, Jim D.; and Drake, Charles A., to Phillips Petroleum Company. Preparation of 9-alkenyl ester compounds. 4,837,358, 6-6-89, C 560-261.000.

Byers, Jim D.; and Drake, Charles A. Compositions possessing pheromone-like activity. 4,843,178, 6-27-89, Cl. 568-469.900.

Byers, Larry L.: *See—*
  Rusterholz, John T.; Lahti, Archie E.; Bushard, Louis B.; Byers, Larry L.; Hamstra, James R.; and Homan, Charles J., 4,873,6 Cl. 364-200.000.

Byers, Thomas L. Trash can liner retainer. 4,867,340, 9-19-89, C 220-404.000.

Byers, Timothy W.: *See—*
  Byers, Gary L.; and Byers, Timothy W., 4,815,836, Cl. 350-604.00

Byers, William A.; Carlson, Gerald L.; and Bellows, James C. t Westinghouse Electric Corp. Rugged dissolved carbon dioxide monitor for high purity water. 4,801,551, 1-31-89, Cl. 436-133.000.

Byers, William A., to Westinghouse Electric Corp. Differential conductivity sulfate monitor. 4,814,281, 3-21-89, Cl. 436-150.000.

Byhlin, Ake B.: *See—*
  Brandt, Nils G. L.; and Byhlin, Ake B., 4,857,108, Cl. 75-238.00
  Brandt, Nils G. L.; and Byhlin, Ake B., 4,885,132, Cl. 419-15.00

BYK-Chemie GmbH: *See—*
  Haubennestel, Karl-Heinz; Heilmann, Holger; and Diez, Andreas 4,857,111, Cl. 106-504.000.
  Haubennestel, Karlheinz; and P[illegible]chins, Wolfgang, 4,795,796, C 528-28.000.
  Haubennestel, Karlheinz; and Rubat, Alfred, 4,812,518, C 525-100.000.

BYK Gulden Lomberg Chemische Fabrik: *See—*
  Benedikt, Gerald; and Steinijans, Volker, 4,803,080, C 424-488.000.

Bykowski, Bruce B., to Southwest Research Institute. Engine exhaust after-treatment device. 4,813,231, 3-21-89, Cl. 60-274.000.

Bylander, James R., to Minnesota Mining and Manufacturing Company. Optical fiber distribution panel. 4,824,196, 4-25-89, Cl. 350-96.200.

Bylander, Lolo: *See—*
  Axelsson, Anders R.; Bylander, Lolo; Porrvik, Sten; and Tanner, Olof, 4,837,107, Cl. 430-138.000.

Byler, Eli A. Insulation support truss. 4,799,347, 1-24-89, Cl. 52-712.000.

Byles, William H.: *See—*
  Heath, William T.; and Byles, William H., 4,828,569, Cl. 8-137.000.

Bynum, Byron G.: *See—*
  Allen, Gordon H.; Bynum, Byron G.; and Harnishfeger, David B., 4,814,635, Cl. 307-264.000.
  Stanley, Michael E.; Lowe, Walter V.; and Bynum, Byron G., 4,801,825, Cl. 307-473.000.

Byong-Ho, Ahn; Fulton, Donald E.; Gilinson, Philip J., Jr.; Whipple, David C.; and Curtiss, William P., to Charles Stark Draper Laboratory, Inc., The. Low loss permanent magnet motor. 4,868,479, 9-19-89, Cl. 318-721.000.

Byram, Alfred A.; and Wystemp, Willie, to Corken International Corporation. Pump with vane actuating system. 4,830,593, 5-16-89, Cl. 418-253.000.

Byram, David C.; Teiken, Gerald W.; and Whaley, Ralph D., to Minnesota Mining and Manufacturing Company. Aerosol device. 4,834,083, 5-30-89, Cl. 128-200.230.

Byrd, Carl E.: *See—*
  Beaver, Richard N.; Alexander, Lloyd E.; and Byrd, Carl E., 4,871,703, Cl. 502-101.000.

Byrd, Curtis W.; and Byrd, Jerry D., to H & M Manufacturing Company. Utility meter pedestal. 4,864,467, 9-5-89, Cl. 361-369.000.

Byrd, David A.; Tietz, Gary W.; and Davis, Craig M., to National Semiconductor Corporation. Digital phase comparator/charge pump with zero deadband and minimum offset. 4,814,726, 3-21-89, Cl. 331-1.00A.

Byrd, Gary S. Ski carrier apparatus. 4,819,845, 4-11-89, Cl. 224-204.000.

Byrd, James D.: *See—*
  Graham, William H.; Bevel, Kenneth E.; Byrd, James D.; Junior, Kenneth E.; and Shepard, Inella G., 4,803,019, Cl. 264-3.100.

Byrd, Jerry D.: *See—*
  Byrd, Curtis W.; and Byrd, Jerry D., 4,864,467, Cl. 361-369.000.

Byrd, Kenneth A.: *See—*
  Steele, Joseph A.; and Byrd, Kenneth A., 4,876,775, Cl. 28-190.000.

Byrd, Paul S.: *See—*
  George, Eric R.; Danforth, Richard L.; and Byrd, Paul S., 4,874,801, Cl. 523-214.000.

Byrd, Robert W.: *See—*
  Hawker, Fred D.; Pietryga, Victor E.; and Byrd, Robert W., 4,806,390, Cl. 427-156.000.

Byrd, William A.; Oman, Joel E.; and Connors, William. Dynamoelectric machine. 4,877,985, 10-31-89, Cl. 310-86.000.

Byrd, William A.: *See—*
  Bansal, Madan L.; and Byrd, William A., 4,833,356, Cl. 310-207.000.
  Bansal, Madan L.; and Byrd, William A., 4,874,972, Cl. 310-57.000.

Byren, Robert W., to Hughes Aircraft Company. Auto-boresight technique for self-aligning phase conjugate laser. 4,798,462, 1-17-89, Cl. 356-152.000.

Byren, Robert W.; and Rockwell, David A., to Hughes Aircraft Company. Self-aligning phase conjugate laser. 4,812,639, 3-14-89, Cl. 250-203.00R.

Byren, Robert W.; and Rockwell, David A., to Hughes Aircraft Company. Self-aligning phase conjugate laser. 4,853,528, 8-1-89, Cl. 250-203.00R.

Byrne, Brian; and Lawter, Louise M. L., to Hercules Incorporated. Pineapple ketone carbonate derivatives. 4,880,641, 11-14-89, Cl. 426-3.000.

Byrne, Brian, to International Flavors & Fragrances Inc. Process for preparing dry acetaldehyde and product produced thereby. 4,883,680, 11-28-89, Cl. 426-534.000.

Byrne, Brian: *See—*
  Buckholz, Lawrence; Byrne, Brian; and Sudol, Marion, 4,882,184, Cl. 426-243.000.

Byrne, Charles. Door saddle for baseboard heating. 4,858,680, 8-22-89, Cl. 165-55.000.

Byrne & Davidson Doors (N.S.W.) PTY. Limited: *See—*
  Jones, Richard E.; and Aubert, Richard W., 4,831,509, Cl. 364-167.010.
  Jones, Richard E.; and Billows, Mitchell J., 4,844,140, Cl. 160-310.000.

Byrne, Erin K.: *See—*
  Theopold, Klaus H.; and Byrne, Erin K., 4,879,397, Cl. 556-11.000.

Byrne, James J. Key device and a detector device for use therewith. 4,872,329, 10-10-89, Cl. 70-395.000.

Byrne, Joe L.: *See—*
  Baker, Donald E.; Byrne, Joe L.; Muller, Leo R.; and Schmidt, Phillip L., 4,867,634, Cl. 415-121.200.

Byrne, John J. Diagonal blade cartridge. 4,854,042, 8-8-89, Cl. 30-34.100.

Byrne, John R. Mold closing device. 4,818,208, 4-4-89, Cl. 425-394.000.

Byrne, John V.: *See—*
  McMullin, Francis; Byrne, John V.; and Murray, Aengus, 4,853,604, Cl. 318-653.000.

Byrne, John W.: *See—*
  Brown, Stanley M.; Byrne, John W.; and Jacobs, Harry E., 4,839,026, Cl. 208-120.000.

Byrne, Phillip O.; Sisson, Penelope R.; and Ingham, Harry R., to National Research Development Corporation. Safety device for hypodermic needle or the like. 4,826,490, 5-2-89, Cl. 604-198.000.

Byrne, Robert C.; Ewanich, Jon T.; and Yu, Chee-Men, to National Semiconductor Corporation. Process of making a ceramic lid for use in a hermetic seal package. 4,833,102, 5-23-89, Cl. 437-218.000.

Byrne, Steve J. Self-adjusting climbing chock. 4,834,327, 5-30-89, Cl. 248-231.900.

Byrne, Thomas D.; and Sliva, Martin, to Ichthyotech, Ltd. Aquatic aeration and filtering system. 4,817,561, 4-4-89, Cl. 119-5.000.

Byrne, Thomas R.: *See—*
  Averitt, Chester C.; and Byrne, Thomas R., 4,856,669, Cl. 220-1.00T.

Byrne, Thomas W.; and Muella, Thomas J. Grommet. 4,869,454, 9-26-89, Cl. 248-610.000.

Byrne, William J.: *See—*
  Forage, Alan J.; and Byrne, William J., 4,832,968, Cl. 426-112.000.

Byrnes, Francis E.: *See—*
  Ferris, Donald L.; and Byrnes, Francis E., 4,797,064, Cl. 416-134.00A.
  Ferris, Donald L.; Byrnes, Francis E.; and Varholak, Lawrence N., Jr., 4,804,315, Cl. 416-114.000.

Byrnes, John J., Jr., to Fabrication Specialists, Inc. Disappearing ladder. 4,805,736, 2-21-89, Cl. 182-95.000.

Byrnes, Paul J.; Molina, Cynthia M.; Martines, Janis A.; Vaughan, Kenward S.; and Smith, Catherine M., to Abbott Laboratories. Fluorescence polarization immunoassay for amphetamine/methamphetamine. 4,868,132, 9-19-89, Cl. 436-546.000.

Byrnes, Raymond A., Jr. Speed control assembly for nutating cone transmission. 4,882,948, 11-28-89, Cl. 74-690.000.

Byrnes, Susan: *See—*
  Cochran, Nancy P.; and Byrnes, Susan, 4,879,648, Cl. 364-300.000.

Byrnes, Thomas S., to Blower Engineering, Inc. Steam generator. 4,884,529, 12-5-89, Cl. 122-115.000.

Byrns, James E. Duck house. 4,889,075, 12-26-89, Cl. 119-23.000.

Byron, David A.: *See—*
  Gorman, William G.; and Byron, David A., 4,820,306, Cl. 623-16.000.

Byron, David E., to Red Eye Arms, Inc. Polymer weapon apparatus with counter-torque device. 4,838,143, 6-13-89, Cl. 89-14.300.

Byron Enterprises, Inc.: *See—*
  Dow, Paul W., 4,845,930, Cl. 56-113.000.

Byron, Kevin C.; Scott, Michael G.; and Sibbett, Wilson, to STC PLC. Color center laser fibre and applications thereof. 4,847,843, 7-11-89, Cl. 372-42.000.

Byron, Kevin C.; Bricheno, Terry; Fielding, Alan; Pitt, Nicholas J.; and Baker, Robert A., to STC PLC. Active optical fibre star coupler. 4,863,231, 9-5-89, Cl. 350-96.160.

Byron, LeRoy F.: *See—*
  Bankuty, Geza E.; Byron, LeRoy F.; and Cianciullo, Joseph J., 4,811,850, Cl. 209-546.000.

Bystronic Laser AG, Industrestrasse: *See—*
  Zumstein, Ernst, 4,859,828, Cl. 219-121.670.

Byszewski, Wojciech W.; Butler, Scott J.; Regan, Robert J.; and Proud, Joseph M., to GTE Laboratories Incorporated. Method of and apparatus for ultrahigh frequency starting of high intensity discharge lamps. 4,888,528, 12-19-89, Cl. 315-344.000.

Byszewski, Wojciech W.: *See—*
  Budinger, A. Bowman; Byszewski, Wojciech W.; and Proud, Joseph M., 4,866,339, Cl. 313-492.000.

Bytzek, Klaus K., to Litens Automotive Partnership. Tensioner with increased arcuate movement. 4,816,012, 3-28-89, Cl. 474-135.000.

Byung-Jin, Kim: *See—*
  Dongil, Song; Chul-Jin, Kim; and Byung-Jin, Kim, 4,819,062, Cl. 358-31.000.

Byung-Sik, Chun, to Samsung Electronics Co., Ltd. Electrical $f\theta$ correction system in a laser printer. 4,833,489, 5-23-89, Cl. 346-108.000.

Byzitter, Martin. Teat cup disinfectant system. 4,854,336, 8-8-89, Cl. 134-104.100.

Bzdak, Richard J., to Cooper Industries, Inc. Surge arrester. 4,803,588, 2-7-89, Cl. 361-118.000.

C.A.M. Graphics Co., Inc.: *See—*
  Cardinale, Emanuel, 4,816,295, Cl. 427-54.100.
  Cardinale, Emanuel, 4,864,084, Cl. 200-5.00A.

C.A. Picard, Inc.: *See—*
  Emery, Jack K.; and Dent, Michael B., 4,817,477, Cl. 83-23.000.

C. A. Schroeder: *See—*
  Schroeder, Clifford A., 4,801,316, Cl. 55-385.100.

C. A. Weidmuller GmbH & Co.: *See—*
  Franke, Heinrich; Conrad, Horst; and Schild, Wolfgang, 4,795,376, Cl. 439-715.000.
  Fricke, Herbert; Strate, Klaus; Wilmes, Manfred; and Frikkee, Arian, 4,887,876, Cl. 350-96.200.
  Haller, Bernd; Herkner, Ernst; Murray, Peter; Riesenberg, Volker; Schnatwinkel, Michael; Schulze, Rainer; Wagner, Georg; and Wilmes, Manfred, 4,878,859, Cl. 439-716.000.
  Lush, Steven; and Kerbstat, Siegfried, 4,872,092, Cl. 361-426.000.
  Schmode, Hartmut; Kruger, Peter; and Wilmes, Manfred, 4,795,377, Cl. 439-727.000.
  Strate, Klaus, 4,813,892, Cl. 439-681.000.
  Undin, Hans, 4,825,735, Cl. 81-352.000.

C. Behrens AG: *See—*
  Otto, Gerhard; Rohrbach, Manfred; and Leupold, Gerald, 4,797,531, Cl. 219-121.670.

- C.C.D.J., Inc.: *See—*
  - Crisci, Harry E., 4,834,252, Cl. 215-256.000.
- C & C Metal Products Corporation: *See—*
  - Shenier, Richard S.; and Peterson, Richard J., 4,825,526, Cl. 24-303.000.
- C. Christ Abgasfreie Werkzeugreinigungsapparate fur die Kunststoffindustrie: *See—*
  - Schmidt, Rudolf, 4,823,819, Cl. 134-104.400.
- C-Clear, Ltd.: *See—*
  - Mapelli, Rudy; Eisenberg, Donald S.; Moss, Geoffrey S.; Hendrickson, David K.; and Mapelli, Connie M., 4,810,081, Cl. 351-57.000.
- C. Contradty Nurnberg GmbH & Co. KG: *See—*
  - Zollner, Christine; and Hahn, Herbert, 4,840,718, Cl. 204-286.000.
- C & D Charter Power Systems, Inc.: *See—*
  - Misra, Sudhan S.; and Noveske, Terrence M., 4,871,428, Cl. 204-2.100.
- C & D Engineering Company: *See—*
  - King, David E., 4,873,856, Cl. 72-121.000.
- C.D. High Technology: *See—*
  - Radomsky, John, 4,868,999, Cl. 34-127.000.
- C. D. Medical, Inc.: *See—*
  - Guinn, Perry W.; Mills, Gary N.; Bedient, Robert A.; and Greeley, Martin O., 4,889,812, Cl. 435-289.000.
- C & D Power Systems, Inc.: *See—*
  - Misra, Sudhan S.; and Noveske, Terrence M., 4,863,816, Cl. 429-190.000.
  - Misra, Sudhan S.; and Noveske, Terrence M., 4,889,778, Cl. 429-190.000.
- C.E.E. Compagni· Europeene des Emballages: *See—*
  - Schisler, Jacques, 4,796,759, Cl. 206-554.000.
- C. & E. Fein GmbH & Co.: *See—*
  - Nothofer, Michael; Bishop, Malcolm J.; and Bleasdale, Nigel, 4,847,721, Cl. 361-23.000.
- C.F.A. Technologies, Inc.: *See—*
  - Fishbine, Glenn M.; Ransom, Mark S., and Germann, Daniel E., 4,811,414, Cl. 382-52.000.
- C.F.E.M.: *See—*
  - Sparks, Charles, 4,886,398, Cl. 405-224.000.
- C & F Packing, Inc.: *See—*
  - Freda, Gerald; Bogacz, Joseph; Freda, Joseph; and Olson, Dennis, 4,800,094, Cl. 426-513.000.
- C. F. Spiess & Sohn GmbH & Co.: *See—*
  - Spiess, Wolfram; and Himmelreich, Rolf, 4,859,787, Cl. 558-235.000.
  - Spiess, Wolfram; and Himmelreich, Rolf, 4,879,071, Cl. 562-882.000.
- C. G. Bevan Associates Limited: *See—*
  - Bevan, Christopher G., 4,812,273, Cl. 264-71.000.
  - Bevan, Christopher G.; and Hacking, Douglas, 4,818,202, Cl. 4[illegible]0.
- C. G. Bretting Manufacturing Co., Inc.: *See—*
  - Retzloff, Timm G., 4,874,158, Cl. 270-39.000.
- C.G.R. MeV: *See—*
  - Azam, Guy; Convert, Guy; Cosset, Jean M.; Dufour, Jacques; and Mabire, Jean P., 4,821,725, Cl. 128-420.00A.
- C G R Ultrasonic: *See—*
  - Maerfeld, Charles, 4,794,929, Cl. 128-660.070.
- C-H Development & Sales, Inc.: *See—*
  - Hollingsworth, Clinton A., 4,807,761, Cl. 209-158.000.
  - Hollingsworth, Clinton A., 4,822,482, Cl. 209-158.000.
- C. H. Masland & Sons: *See—*
  - Squier, William H.; and Hair, Dennis E., 4,835,030, Cl. 428-88.000.
- C. Hager & Sons Hinge Manufacturing Company: *See—*
  - Block, Gordon S., 4,872,287, Cl. 49-449.000.
  - Block, Gordon S., 4,881,346, Cl. 49-501.000.
- C.I.B., Inc.: *See—*
  - Gerulis, Benedict R., 4,812,230, Cl. 210-108.000.
- C.I.C.E. S.A. of Les Miroirs: *See—*
  - Hernandez, Michel; Herve, Patrice; and Gougouyan, Yves, 4,887,793, Cl. 251-208.000.
- C-I-L Inc.: *See—*
  - Ferguson, Loreen D.; Hayes, Peter C.; and Macas, Tadas S., 4,808,633, Cl. 521-63.000.
  - Ferguson, Loreen D.; Hayes, Peter C.; and Macas, Tadas S., 4,826,881, Cl. 521-55.000.
  - Knowlton, Robert E., 4,805,674, Cl. 141-47.000.
  - Manning, William, 4,796,748, Cl. 198-711.000.
  - Marz, Horst F., 4,872,408, Cl. 102-324.000.
  - Sharpe, Kenneth R.; Cribb, William E.; McNicol, Melvin; and Couture, Joseph P., 4,829,902, Cl. 102-312.000.
  - Warren, Ian H., 4,804,528, Cl. 423-607.000.
- C.I.M.A. Costruzioni Italiane Macchine Attrezzi S.p.A.: *See—*
  - Lunazzi, Alessandro, 4,822,217, Cl. 409-11.000.
  - Negri, Roberto; and Serra, Mario, 4,832,543, Cl. 409-7.000.
- C. Itoh & Co., Ltd.: *See—*
  - Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,823,578, Cl. 72-47.000.
  - Coe, Thomas U.; and Yamazaki, Atsushi, 4,825,680, Cl. 72-359.000.
  - Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,829,799, Cl. 72-47.000.
  - Coe, Thomas U., 4,870,524, Cl. 360-135.000.
- C & J Jones (1985) Limited: *See—*
  - Lapkowsky, Andrew, 4,848,450, Cl. 165-166.000.
- C. J. Leacho, Inc.: *See—*
  - Leach, Jamie S., 4,861,109, Cl. 297-467.000.
- C. J. Patterson Company: *See—*
  - Tenney, Ralph J.; and Warren, Hallek B., 4,865,869, C 426-653.000.
- C. J. Rush Inc.: *See—*
  - Appelmann, Horst, 4,800,679, Cl. 49-42.000.
  - Appelmann, Horst, 4,872,285, Cl. 49-42.000.
- C. "Jerry" Wattigny, a part interest: *See—*
  - Jenkins, Robert L., 4,817,725, Cl. 166-376.000.
- C & K Systems, Inc.: *See—*
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  - Johnson, Richard A., 4,882,567, Cl. 340-522.000.
- C & KN Hobby Design S.A.: *See—*
  - Crocco, Carlo, 4,855,973, Cl. 368-282.000.
- C & M Sports Enterprises Inc.: *See—*
  - Chang, Steven, 4,858,589, Cl. 124-24.00R.
- C.P. Partnership, Inc.: *See—*
  - Prudhomme, Malcolm; and Prudhomme, Steven M., 4,848,317, C 126-391.000.
- C.P.S. Inc.: *See—*
  - Bellak, Leopold, 4,844,091, Cl. 128-744.000.
- C. R. Bard: *See—*
  - Litzie, Ken; and Roberts, Craig P., 4,804,365, Cl. 604-4.000.
- C. R. Bard, Inc.: *See—*
  - Cooney, Catherine M., 4,795,457, Cl. 604-408.000.
  - DeMello, Richard M.; Ham, Robert J.; Lang, Michael; Ouelle Gerry D.; Slater, Andrea T.; and Trombley, Frederick W., II 4,863,442, Cl. 604-282.000.
  - Elliott, Donald P., 4,822,346, Cl. 604-319.000.
  - Haber, Terry M.; and Smedley, William H., 4,802,479, C 128-344.000.
  - Haber, Terry M.; and Smedley, William H., 4,832,680, C 600-31.000.
  - Haber, Terry M., 4,846,784, Cl. 600-29.000.
  - Havenstein, Bennett L.; Picerno, Raysna; Brittain, Harry G.; an Nestor, James R., 4,861,727, Cl. 436-136.000.
  - Herman, Stephen J.; Roth, Laurence A.; Sinofsky, Edward L.; an Dickinson, Douglas W., Jr., 4,850,351, Cl. 128-303.100.
  - Kreinick, Stephen J.; and Blankenship, Larry K., 4,834,104, C 128-633.000.
  - Kujawski, Dennis, 4,795,434, Cl. 604-159.000.
  - Nestor, James R., 4,800,886, Cl. 128-634.000.
  - Palermo, Thomas J., 4,886,067, Cl. 128-657.000.
  - Roth, Laurence A.; Herman, Stephen J.; Turnquist, Carl R.; Sinofsky, Edward L., and Wong, Jacob Y., 4,817,601, C 128-303.100.
  - Saab, Mark A., 4,820,349, Cl. 128-344.000.
  - Sinofsky, Edward L., 4,852,567, Cl. 128-303.100.
  - Sinofsky, Edward L.; Spears, J. Richard; Dickinson, Douglas W and Wagner, Maria S., 4,878,492, Cl. 128-303.100.
  - Skakoon, James G.; and Sleeman, Philip S., 4,804,366, C 604-155.000.
  - Skakoon, James G.; and Chan, Thomas, 4,844,397, Cl. 248-231.70
  - Wojcik, Dennis, 4,823,805, Cl. 128-736.000.
- C & R Pier Manufacturing: *See—*
  - Giles, Charles E.; and Clifton, Richard J., 4,882,887, Cl. 52-126.60
- C.R.W. Manufacturing: *See—*
  - Wyckoff, Charles R.; Lener, Ralph J.; and Samuelson, William L. 4,821,358, Cl. 15-104.920.
- C. Rob. Hammerstein GmbH: *See—*
  - Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Ge Alfred; Klink, Josef; and Koucky, Antonin, 4,805,481, C 74-528.000.
- C&S Distributing Co.: *See—*
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- C.S.U. Ltd.: *See—*
  - Nakanishi, Tsutomu, 4,883,370, Cl. 384-490.000.
- C-Tec, Inc.: *See—*
  - Munsey, R. Jack; Rose, Todd N., and Cooper, Gordon L 4,850,176, Cl. 52-829.000.
- C. van der Lely N.V.: *See—*
  - Bom, Cornelis J. G.; and van den Berg, Karel, 4,838,207, C 119-14.020.
  - Louet Feisser, Arnold; Koorn, Maarten; and Sikkema, Sie 4,838,013, Cl. 56-13.600.
  - Maarten, Koorn, 4,860,527, Cl. 56-13.600.
  - van der Lely, Ary; and Bom, Cornelis J. G., 4,805,557, C 119-14.080.
  - van der Lely, Ary; and Van den Berg, Karel, 4,805,559, C 119-14.100.
  - van der Lely, Ary; and Bom, Cornelis J. G., 4,834,296, C 239-676.000.
  - van der Lely, Ary; and Bom, Cornelis J. G., 4,842,202, C 239-661.000.
  - van der Lely, Ary; and Bom, Cornelis J. G., 4,864,808, C 56-377.000.
  - van der Lely, Ary; and Bom, Cornelis J. G., 4,884,640, C 172-68.000.
  - van der Lely, Edwin; and Bom, Cornelis J. G., 4,827,704, C 56-13.600.
- C. Voigt Sohne GmbH & Co.: *See—*
  - Klein, Rudolf, 4,857,368, Cl. 427-393.000.
- C. W. Hock, Jr.: *See—*
  - Waters, David E., Sr., 4,794,857, Cl. 101-328.000.
- Cabagnero, Ramon J., to Jane S.A. Foldable baby stroller cha 4,887,834, 12-19-89, Cl. 280-642.000.

- Cabahug, Eric F.: *See—*
  - Grace, Richard C.; Cooley, Jack L.; and Cabahug, Eric F., 4,822,213, Cl. 405-303.000.
- Cabais, Florentino: *See—*
  - Brown, Ron; and Cabais, Florentino, 4,845,810, Cl. 16-284.000.
- Cabanos, Phil A.; Gonzaga, Rafael T.; and Rado, Gordon E., to United States of America, America. Unitized portable hoist. 4,850,570, 7-25-89, Cl. 254-337.000.
- Cabanos, Phil A., to United States of America, America. Connector assembly. 4,850,571, 7-25-89, Cl. 254-392.000.
- Cabanos, Phil A., and Rado, Gordon E., to United States of America, America. Deflectable trunnion assembly. 4,867,419, 9-19-89, Cl. 254-399.000.
- Cabaraux, Emile: *See—*
  - Detournay, Jean-Paul; and Cabaraux, Emile, 4,800,008, Cl. 204-253.000.
- Cabasso, Israel: *See—*
  - Obligin, Alan; Xia, Du W.; Silberman-Hazony, Ruth; Rawls, H Ralph; Cabasso, Israel; and Smid, Johannes, 4,866,132, Cl. 525-107.000.
  - Smid, Johannes; Cabasso, Israel; Obligin, Alan; and Rawls, H Ralph, 4,882,392, Cl. 525-328.600.
- Cabau, Michel: *See—*
  - Amen, Jean; and Cabau, Michel, 4,797,364, Cl. 435-243.000.
  - Amen, Jean; and Cabau, Michel, 4,865,969, Cl. 435-3.000.
- Cabe, Alex W., Jr.; Saffel, Robert W.; and Sampson, Arthur J. Method and apparatus for preparing textured apertured film. 4,859,519, 8-22-89, Cl. 428-131.000.
- Cabe, Alex W., Jr.: *See—*
  - Mattingly, William B., III; Cabe, Alex W., Jr.; Chapas, Richard B.; and Sampson, Arthur J., Jr., 4,806,411, Cl. 428-139.000.
- Cabe, Thomas D.: *See—*
  - Napeloni, Paul; Sieber, Daniel G.; and Cabe, Thomas D., 4,843,896, Cl. 73-866.500.
- Cabelmann, Erich: *See—*
  - Zapfel, Horst; and Cabelmann, Erich, 4,888,966, Cl. 69-41.000.
- Caber, Inc.: *See—*
  - MacMillan, Gregory D.; and Jenzen, Robert G., 4,827,678, Cl. 51-320.000.
- Cabianca, Walter. Stick for the billiard game. 4,858,926, 8-22-89, Cl. 273-68.000.
- Cabili, Semo. Promissory note. 4,864,111, 9-5-89, Cl. 235-437.000.
- Cabilly, Shmuel; Heyneker, Herbert L.; Holmes, William E.; Riggs, Arthur D.; and Wetzel, Ronald B., to Genentech, Inc. Recombinant immunoglobin preparations. 4,816,567, 3-28-89, Cl. 530-387.000.
- Cabiran, Michel L.: *See—*
  - Petermann, Steven G.; Cabiran, Michel L.; Cooper, John D.; and Lara, Pedro F., 4,835,876, Cl. 33-313.000.
- Cable/Home Communication Corporation: *See—*
  - Walker, Gordon K.; Katznelson, Ron D.; Moroney, Paul; and Moerder, Karl E., 4,809,274, Cl. 371-37.000.
- Cable, Jon S. Costume with compressible arms and legs. 4,800,592, 1-31-89, Cl. 2-69.000.
- Cable Manufacturing and Assembly Company, Inc.: *See—*
  - Sheppard, William L., 4,884,544, Cl. 123-400.000.
- Cable Technology Laboratories, Inc.: *See—*
  - Katz, Carlos; Dima, Attila; and Bier, Bruce, 4,822,952, Cl. 174-73.100.
  - Katz, Carlos; and Dima, Attila, 4,863,541, Cl. 156-158.000.
- Cable, Thomas L.: *See—*
  - Mazanec, Terry J.; and Cable, Thomas L., 4,802,958, Cl. 204-80.000.
- Cableco: *See—*
  - Poumey, Michel, 4,833,288, Cl. 219-10.493.
- CableSoft, Inc.: *See—*
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- Cabletron, Inc.: *See—*
  - Oliver, Christopher J., 4,890,102, Cl. 340-825.170.
- Cabot Corporation: *See—*
  - Falco, Robert N., 4,867,149, Cl. 128-864.000.
  - Lewis, William H., and Adcock, Robert E., 4,808,005, Cl. 366-312.000.
  - List, Steven J.; and Hurst, Ronald C., 4,879,104, Cl. 423-450.000.
  - Menashi, Jameel; Reid, Robert C.; and Wagner, Laurence, 4,829,033, Cl. 501-139.000.
  - Menashi, Jameel; Reid, Robert C.; and Wagner, Laurence P., 4,832,939, Cl. 423-598.000.
  - Menashi, Jameel; Reid, Robert C.; and Wagner, Laurence P., 4,863,883, Cl. 501-138.000.
- Cabot Electronics Ceramics, Inc.: *See—*
  - Jones, Kenneth L., II; O'Connor, Tom R.; and Trevellyan, Kenneth A., 4,861,944, Cl. 174-68.500.
- Cabourne, Michael K., to ITT Corporation. High density connector. 4,806,104, 2-21-89, Cl. 439-66.000.
- Cabourne, Michael K., to ITT Corporation. High density rotary connector. 4,840,569, 6-20-89, Cl. 439-65.000.
- Cabral, Joaquim M. S.; Robinson, Elizabeth M.; and Cooney, Charles L., to Rohm and Haas Company. Membrane filtration of cell culture media with charged particles. 4,830,753, 5-16-89, Cl. 210-638.000.
- Cabrera, Alejandro L.; Kirner, John F.; Miller, Robert A.; Pierantozzi, Ronald; and Armor, John N., to Air Products and Chemicals, Inc. Method of producing silicon diffusion coatings on metal articles. 4,822,642, 4-18-89, Cl. 427-255.100.
- Cabrera, Alejandro L.; Kirner, John F.; and Pierantozzi, Ronald, to Air Products and Chemicals, Inc. Process for preparing sic protective films on metallic or metal impregnated substrates. 4,869,929, 9-26-89, Cl. 427-249.000.
- Cabrera, Carlos A.; Myers, Daniel N.; and Hammershaimb, Harold U., to UOP. Partial CO combustion with staged regeneration of catalyst. 4,849,091, 7-18-89, Cl. 208-113.000.
- Cabrera, Carlos A., to UOP. Conversion of stacked FCC unit. 4,859,424, 8-22-89, Cl. 422-144.000.
- Cabrol, Christian: *See—*
  - Bacou, Claude; Cabrol, Christian; Baptiste, Rene; and Oisel, Andre, 4,811,361, Cl. 375-25.000.
- Cacak, Harold L., to Brunswick Corporation. Filament winding process and apparatus. 4,838,971, 6-13-89, Cl. 156-173.000.
- Cacciatore, Joseph J., to Harper-Wyman Company. Electronic digital thermostat. 4,799,176, 1-17-89, Cl. 364-557.000.
- Cacciotti, Angelo, to Grandi Servizi S.p.A. Computer controlled engraving by a rotating milling tool. 4,834,595, 5-30-89, Cl. 409-80.000.
- Caceres, Carlos. Telephone mouthpiece cover. 4,852,163, 7-25-89, Cl. 379-452.000.
- Caceres, Jose L. Bicycle kickstand foot. 4,846,491, 7-11-89, Cl. 280-301.000.
- Cacheris, William P.: *See—*
  - Rocklage, Scott M.; Cacheris, William P.; and Jamieson, Gene, 4,889,931, Cl. 540-465.000.
- Cachier, Gerard, to Thomson-CSF. Microwave switch having magnetically biased superconductive conductors. 4,876,239, 10-24-89, Cl. 505-1.000.
- Cacho-Negrete, Carlos: *See—*
  - Bruno, Joseph W., and Cacho-Negrete, Carlos, 4,828,206, Cl. 244-132.000.
- Caci, Joseph D.; and Ponce de Leon, Lorenzo A., to Motorola, Inc. Optimally grounded small loop antenna. 4,814,776, 3-21-89, Cl. 343-702.000.
- Caciagli, Valerio; Verdini, Antonio S.; De Luca, Giovanna; Di Stazio, Giovanni; and Politi, Vincenzo, to Eniricerche S.p.A.; and Polifarma S.p.A. Decapeptides having hypotensive action and process for their preparation. 4,810,779, 3-7-89, Cl. 530-328.000.
- Cacioli, Paul; and Snow, Roger, to International Contamination Control Industries Pty Ltd. Multi-layer bird repellant coating composition. 4,873,082, 10-10-89, Cl. 424-83.000.
- Cadarette, Marc R.: *See—*
  - Hitchcock, Gary L.; Thomey, Henry W.; Hodjat, Yahya; Cadarette, Marc R.; and Collins, Dawson M., 4,840,607, Cl. 474-167.000.
- Cadbury Limited: *See—*
  - Groen, John W., 4,834,635, Cl. 425-72.100.
  - Groen, John W., 4,865,856, Cl. 426-231.000.
- Cadbury Schweppes, Plc: *See—*
  - Jeans, Edward L., 4,804,112, Cl. 222-129.100.
- Caddell, Michael J.: *See—*
  - Barrington, Burchus Q., 4,801,160, Cl. 285-81.000.
- Caddick, Joseph. Water craft for clearing navigational waters. 4,831,751, 5-23-89, Cl. 37-71.000.
- Caddock, Richard E. Film-type cylindrical resistor, and method of making it. 4,866,411, 9-12-89, Cl. 338-62.000.
- Cade, John C.: *See—*
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Cade, Kenneth A.: *See—*
  - Hadley, Richard S.; and Cade, Kenneth A., 4,824,352, Cl. 425-168.000.
- Cade, Neil A.: *See—*
  - Lee, Rosemary A.; and Cade, Neil A., 4,827,177, Cl. 313-306.000.
- Cade, William B.: *See—*
  - Porter, Gary L.; and Cade, William B., 4,850,432, Cl. 166-373.000.
- Cadeddu, Leonardo, to Bendix Italia S.p.A. Springs for constant abutment push rod and master cylinder piston in brake booster assembly. 4,815,293, 3-28-89, Cl. 60-547.100.
- Cadema Medical Products, Inc.: *See—*
  - Bordoni, Maurice E.; and Lieberman, Ephraim, 4,823,784, Cl. 128-200.140.
  - Lieberman, Ephraim; Bordoni, Maurice; and Thornton, Alfred, 4,849,209, Cl. 424-1.100.
- Cadena, Edward R.: *See—*
  - Kruka, Vitold R.; Kipp, Robert M.; and Cadena, Edward R., 4,837,751, Cl. 367-154.000.
- Cadence Chemical Resources, Inc.: *See—*
  - Benoit, Michel R.; Hansen, Eric R.; and Reese, Theodore J., 4,850,290, Cl. 110-346.000.
- Cadenhead, Roy A., Sr., to Modern Fibers Incorporated. Heat reclaiming system. 4,834,049, 5-30-89, Cl. 122-438.000.
- Cadien, Ken C.: *See—*
  - Vacha, Lubos J. B.; Schultz, Peter C.; Moynihan, Cornelius T.; Raychaudhuri, Satyabrata; Cadien, Ken C.; Harbison, Barry B.; and Mossadegh, Reza, 4,874,222, Cl. 350-96.340.
- Cadiergue, Joseph: *See—*
  - Tessier, Jean; DeMoute, Jean-Pierre; and Cadiergue, Joseph, 4,849,449, Cl. 514-521.000.
  - Tessier, Jean; Demoute, Jean-Pierre; and Cadiergue, Joseph, 4,879,302, Cl. 514-351.000.
- Cadieux, Jacques: *See—*
  - Loiselle, Andre; and Cadieux, Jacques, 4,842,212, Cl. 242-96.000.
- Cadillac Gage Textron Inc.: *See—*
  - Henry, Samuel B.; and Kuhns, James J., 4,840,437, Cl. 305-10.000.
  - Jackson, Theodore A., 4,819,540, Cl. 89-37.050.

Iew, Sydney K., 4,857,824, Cl. 323-347.000.

Cadillac Products, Inc.: See—
  Pelfrey, Steven D., 4,796,540, Cl. 108-55.300.
  Pelfrey, Steven D., 4,847,974, Cl. 29-421.100.

Cadillac Rubber & Plastics, Inc.: See—
  Kerzich, Anthony A.; and McClure, Douglas M., 4,889,168, Cl. 138-103.000.

Cadin Electronics Pty. Ltd.: See—
  Nicholls, David, 4,808,972, Cl. 340-541.000.

Cadmus, Christopher: See—
  Narvaez, Michael J.; Narvaez, Mary G.; and Cadmus, Christopher, 4,816,001, Cl. 446-370.000.

Cadmus, Martin C.; and Slodki, Morey E., to United States of America, Agriculture. Heat-stable, salt-tolerant microbial xanthanase 4,886,746, 12-12-89, Cl. 435-42.000.

Cadogan, John I. G.; Gosney, Ian; and Wright, Peter M., deceased (by Wright, Susan I., legal representative), to British Petroleum Company p.l.c., The. Cyclic phosphonic monoesters and their preparation. 4,827,010, 5-2-89, Cl. 558-82.000.

Cadorniga, Lauro C.: See—
  Puckett, Troy L.; and Cadorniga, Lauro C., 4,836,552, Cl. 273-218.000.
  Puckett, Troy L.; and Cadorniga, Lauro C., 4,839,116, Cl. 264-45.300.

Cadotte, John E.; and Schmidt, Donald L., to Dow Chemical Company, The; and Filmtec Corporation. Membranes prepared via reaction of diazonium compounds or precursors. 4,812,238, 3-14-89, Cl. 210-636.000.

Cadotte, John E.; and Walker, David R., to Filmtec Corporation. Novel water softening membranes. 4,812,270, 3-14-89, Cl. 264-48.000.

Cadotte, John E.; and Walker, David R., to Dow Chemical Company, The. Novel water softening process using membranes. 4,824,574, 4-25-89, Cl. 210-654.000.

Cadotte, John E., to Filmtec Corporation. Process for making alkali resistant hyperfiltration membrane and resulting product. 4,834,886, 5-30-89, Cl. 210-490.000.

Cadotte, John E., and Schmidt, Donald L., to Dow Chemical Company, The; and Filmtec Corp. Method of improving membrane properties via reaction of diazonium compounds or precursors. 4,888,116, 12-19-89, Cl. 210-636.000.

Cadtrak Corporation: See—
  Wells, Charles H., 4,812,834, Cl. 340-721.000.

Caduff, Edward A. Building exterior cleaning apparatus. 4,797,969, 1-17-89, Cl. 15-302.000.

Cadwallader, Walter: See—
  Rusu, Robert T.; O'Connor, David; Cadwallader, Walter; de Champlain, Michael; and Ottho, Ulf, 4,824,099, Cl. 272-33.00R.

Cadware Group, Ltd., The: See—
  Dunn, Robert M., 4,813,013, Cl. 364-900.000.

Cadwell, George H., Jr.; and Wood, Joseph A., to Flanders Filters, Inc. Method of fabricating a clean room filter bank. 4,860,420, 8-29-89, Cl. 29-157.00R.

Cadwell, Gilbert C.; and Phillips, Paul M., to Rohr Industries, Inc. Method and apparatus for forming and bonding metal assemblies. 4,889,276, 12-26-89, Cl. 228-265.000.

Cadwell, Lawrence O.; Schneider, Paul T.; and Boyle, Bradley C., to Ramsey Engineering. Method and apparatus for in situ assemblage of a strain sensor in erected structural elements. 4,813,820, 3-21-89, Cl. 408-1.00R.

Cady, Albert B.: See—
  Cellier, Francis; and Cady, Albert B., 4,866,968, Cl. 72-208.000.

Cady, Susan M.: See—
  Steber, William; Fishbein, Richard; and Cady, Susan M., 4,837,381, Cl. 424-502.000.

CAE Machinery Ltd.: See—
  Bradley, Norman F.; and Chamberlain, Craig H., 4,886,218, Cl. 241-294.000.
  Stroud, Brian T.; Weavell, Jack; and Mierau, Cameron D., 4,865,094, Cl. 144-176.000.

Caeco, Inc.: See—
  Draney, Marlow R., 4,829,446, Cl. 364-488.000.

Caems, Josephus F.; and Ooms, Leo F. M., to U.S. Philips Corporation. Explosion resistant tungsten-halogen incandescent lamp. 4,866,340, 9-12-89, Cl. 313-579.000.

Caenazzo, Alessandro; and Pasqualotto, Silvana. Fluid-operated miniature engine. 4,885,978, 12-12-89, Cl. 91-232.000.

Caero, Jose G.: See—
  Olson, Rohn L.; and Caero, Jose G., 4,819,692, Cl. 137-614.030.

Cafarelli, Nicholas J.; and Adams, Glen D. Scanning antenna having phase center diversity. 4,811,022, 3-7-89, Cl. 342-407.000.

Cafaro, Michael, to Giovanni Management Canada Ltd. Battery powered electrical curling iron with detachable wand and self-contained battery charger. 4,857,702, 8-15-89, Cl. 219-225.000.

Cafeo, John A.: See—
  Beardmore, John M.; and Cafeo, John A., 4,852,527, Cl. 123-96.000.

Caffaro S.p.A. Societa per l'Industria Chimica ed Elettrochimica: See—
  Niederjaufner, Guido; Pontoglio, Achille; Storti, Giuseppe; Morbidelli, Massimo; and Carr', Sergio, 4,795,839, Cl. 570-211.000.
  Pontoglio, Enrico; Parodi, Sandro; Donelli, Giordano; and Caretti, Giancarlo, 4,806,672, Cl. 558-311.000.
  Pontoglio, Enrico; Parodi, Sandro; Ghielmetti, Giuseppe; and Casale, Liborio, 4,808,345, Cl. 260-544.00D.
  Pontoglio, Enrico; Parodi, Sandro; and Caretti, Giancarlo, 4,883,893, Cl. 558-308.000.
  Pontoglio, Enrico; Parodi, Sandro; and Caretti, Giancarlo, 4,883,894, Cl. 558-311.000.

Caffin, Jean-Pierre: See—
  Rousset, Abel C.; Boissier, Guy; Jabry, El Hadj; and Caffin, Jea Pierre, 4,840,925, Cl. 501-1.000.

Caffiorio, Ciro: See—
  Rocca, Fabio; Caffiorio, Ciro; and Frati, Claudio, [illegible] C 342-25.000.

Caffrey, Stephen F.: See—
  Ingermann, Donald E.; Caffrey, Stephen F.; DeVoe, Alan R.; Smith, Ronald L.; and Sullivan, Ronald G., 4,856,138, C 15-320.000.

Cafina AG: See—
  Meier, Hermann; and Franzolin, Jean-Paul, 4,797,296, C 426-433.000.

Cage, Donald R., and Zolock, Michael J. Angular rate sens 4,802,364, 2-7-89, Cl. 73-505.000.

Cage, Donald R., and Grammens, Gerald M., to Micro Motion, In Density insensitive coriolis mass flow rate meter. 4,823,613, 4-25-8 Cl. 73-861.380.

Cage, Donald R., and Van Cleve, Craig B., to Micro Motion, Inc. Hig temperature coriolis mass flow rate meter. 4,876,898, 10-31-89, C 73-861.380.

Caggiani, Carlos A.; Coneys, Thomas A.; and Larson, Kenneth R., t Teleflex Incorporated. Connector assembly. 4,842,592, 6-27-89, C 604-283.000.

Caggiano, Michael A. Laminated bag. 4,861,632, 8-29-89, C 428-35.200.

Caggiano, Michael A.: See—
  Sung, Rodney L.; Behrens, Milton D.; Caggiano, Michael A Knifton, John F.; Larkin, John M.; and Zimmerman, Robert L 4,810,261, Cl. 44-62.000.
  Sung, Rodney L.; Hayden, Thomas; Caggiano, Michael A.; an Behrens, Milton D., 4,852,993, Cl. 44-62.000.

Caglostro, Domenick E., and Riccitiello, Salvatore R., to United Stat of America, National Aeronautics and Space Administration. Ce ramic honeycomb structures and method thereof. 4,824,711, 4-25-8 Cl. 428-116.000.

Cagnon, Francois; Di Paola, Denis; Austruy, Georges; and Vaxe Andre, to Gaz de France. Gas burner of the blown air and premix type. 4,875,850, 10-24-89, Cl. 431-8.000.

Cahan, Geoffery D.: See—
  Hendry, James W.; and Cahan, Geoffery D., 4,824,732, C 428-542.800.

Cahen, Albert J., Jr.: See—
  Burke, Robert W., II; Cahen, Albert J., Jr.; Credle, William L., J Gupta, Ashis S.; and Heenan, Richard H., 4,875,58 C 141-2.000.

Cahen, Raymond M.: See—
  Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; and Cahen, Raymond M., 4,830,735, Cl. 208-244.000.
  Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; Grootjan Jacques F.; and Cahen, Raymond M., 4,831,200, Cl. 585-259.0

Cahiez, Gerard: See—
  Tozzolino, Pierre; and Cahiez, Gerard, 4,827,044, Cl. 568-319.0

Cahill, Brian F. Percussion instrument. 4,817,490, 4-4-89, Cl. 84-422.

Cahill, James: See—
  Kesselman, Morris; Purkaystha, Abdul R.; and Cahill, Jam 4,804,535, Cl. 424-141.000.

Cahill, Joseph J.; Johnson, Charles L.; Lewis, Steven D.; Malin Timothy J.; and Petz, Bruce R., to International Business Machin Corporation. Noise control in an integrated circuit chip. 4,857,7 8-15-89, Cl. 307-443.000.

Cahill, Mary J. Doll and method for producing a doll. 4,84 6-20-89, Cl. 446-372.000.

Cahill, Michael J.; Carter, David C. M.; and Simcoe, Michael D., t Molins PLC. Forming groups of cigarettes. 4,834,116, 5-30-89, C 131-282.000.

Cahill, Michael J.; Simcoe, Michael D.; Stanton, John D.; and Warne Brian H., to Molins PLC. Cigarette manufacture. 4,856,536, 8-15 Cl. 131-28.000.

Cahill, Richard F.; Eck, Jeffrey A.; Schwantz, Gerald L.; Theri John P.; Turek, Philip A.; Udd, Eric; Wagoner, Raymond E.; a Wanser, Keith H., to McDonnell Douglas Corporation. Method terminating an optical fiber. 4,834,493, 5-30-89, Cl. 350-96.200.

Cahill, Richard F.: See—
  Michal, Ronald J.; Udd, Eric; and Cahill, Richard F., 4,875,775, C 356-350.000.

Cahmberlin, Jeffery L.: See—
  Fredriksson, Borje; and Cahmberlin, Jeffery L., 4,861,165, C 366-165.000.

Cahn, Jean: See—
  Quadro, Giuseppe, and Cahn, Jean, 4,826,856, Cl. 514-318.0

Cahn, Robert P. Recovery and concentration of aqueous acids a bases. 4,839,056, 6-13-89, Cl. 210-643.000.

Cahn, Robert P.; and Hurst, Boyd E., to Exxon Research and Engine ing Company. Process for removing NO_x and SO_x from a gase mixture. 4,853,193, 8-1-89, Cl. 423-235.000.

Cahuzac, Georges J., to Aerospatiale Societe Nationale Industrie Woven reinforcement for a composite material. 4,848,414, 7-18 Cl. 139-411.000.

Cahuzac, Georges J. J., to Aerospatiale Societe Nationale Industrie Method for knitting composite reinforcements. 4,805,421, 2-21-89, C 66-13.000.

Cahuzac, Georges J. J., to Societe Nationale Industrielle et Aero patiale. Machine for knitting composite reinforcements. 4,805,C 2-21-89, Cl. 66-13.000.

Cahuzac, Georges J. J., and Monget, Francois, to Aerospatiale Societe Nationale Industrielle. Process for manufacturing composite reinforcement elements woven in three dimensions. 4,863,660, 9-5-89, Cl. 264-103.000.

Cai, Hong-Zhang. Cylindrical all around stereophotograph (photostatue) and a cylindrical continuous photography with lenticule and its equipment. 4,925,234, 4-25-89, Cl. 354-112.000.

Cai, Jun-Chao; and Takase, Muneaki, to Zenyaku Kogyo Kabushiki Kaisha. Bis-dioxopiperazine derivatives and pharmaceutical compositions containing the same. 4,877,803, 10-31-89, Cl. 514-227.800.

Cai, Jun-Chao: See—
  Takase, Muneaki; and Cai, Jun-Chao, 4,868,303, Cl. 544-357.000.

Caile, Christopher R.: See—
  Neil, James E.; Demjanenko, Victor; and Caile, Christopher R., 4,803,718, Cl. 379-163.000.

Cailey, Ronald J.; Nichols, John F.; and Heidtman, Herman F., to RWC, Inc. Modular work indexing machine and method of constructing such a machine. 4,881,633, 11-21-89, Cl. 198-345.000.

Caillat, Jean-Luc M.; Weatherston, Roger C.; and Bush, James W., to Copeland Corporation. Scroll-type machine with axially compliant mounting. 4,877,382, 10-31-89, Cl. 418-55.000.

Caillau, Pierre; Morgan, Paul; and De Veauce, Charles D. C., to ABC Bio-Industries. Additive of protein nature for hydraulic cements, mortars & concretes, and use thereof in the field construction. 4,836,855, 6-6-89, Cl. 106-91.000.

Caille, Roger, to Jet Services. System for weighing an article and for editing a label serving as a transport coupon. 4,825,053, 4-25-89, Cl. 235-380.000.

Caillet, Rene. Hatchway panel with improved sealing device, particularly usable for equipping container carrying ships. 4,850,294, 7-25-89, Cl. 114-201.00R.

Caillier, Michael J. Well apparatuses and methods. 4,860,831, 8-29-89, Cl. 166-384.000.

Caillier, Mike. Process for washing through filter media in a production zone with a pre-packed screen and coil tubing. 4,856,590, 8-15-89, Cl. 166-278.000.

Caillod, Jack J. R.: See—
  Przydrozny, Michel; D'Emmerez de Charmoy, Roger D.; Sauvion, Guy N. L.; and Caillod, Jack J. R., 4,833,112, Cl. 502-304.000.

Caillol, Andre, to Tubauto. Continuous joint for vehicle seat with automatic clearance compensation. 4,887,863, 12-19-89, Cl. 297-362.000.

Caillon, Claude: See—
  Saulgeot, Jean-Michel; Lepine, Gerard; and Caillon, Claude, 4,816,961, Cl. 361-142.000.

Cain, Charles A.: See—
  Umemura, Shinichiro; Cain, Charles A.; and Katakura, Kageyoshi, 4,865,042, Cl. 128-660.030.

Cain, Charles R. Paintbrush cleaning apparatus. 4,827,554, 5-9-89, Cl. 15-142.000.

Cain, Clifford W., Jr.: See—
  Dave, Shashi B.; and Cain, Clifford W., Jr., 4,855,509, Cl. 518-621.000.

Cain, David E.: See—
  Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C.; and Wafer, Don B., 4,848,777, Cl. 277-188.00A.

Cain, Don A.; and Dewaele, Michael F., to Goodyear Tire & Rubber Company, The. Mold vent plug. 4,795,331, 1-3-89, Cl. 425-28.100.

Cain, Gary L., to Spectra-Physics, Inc. Pendulous compensator vibratory motion damping system. 4,801,791, 1-31-89, Cl. 250-201.000.

Cain, Gary L.; Ake, DaWain K.; and Teach, Ted L., to Spectra-Physics, Inc. Three dimensional laser beam survey system. 4,830,489, 5-16-89, Cl. 356-73.000.

Cain, John H., Jr.: See—
  Iqbal, Tahir; Cain, John H., Jr.; and Slosky, Jack J., 4,885,100, Cl. 252-1.000.

Cain, Michael A., to Magnetic Peripherals Inc. Thermal compensation mechanism for magnetic disk drive data storage units. 4,860,135, 8-22-89, Cl. 360-97.020.

Cain, Michael B.; Kannabiran, Rengan; and Urruti, Eric H., to Corning Incorporated. Method and apparatus for coating optical fibers. 4,867,775, 9-19-89, Cl. 65-3.430.

Cain, Paul A.: See—
  Chou, David T.; and Cain, Paul A., 4,873,264, Cl. 514-594.000.
  Chou, David T.; and Cain, Paul A., 4,880,838, Cl. 514-594.000.

Cain, Stephen D.: See—
  Fowler, Ronald E.; Voss, Jeffrey L.; and Cain, Stephen D., 4,858,890, Cl. 254-335.000.

Cain, Thomas A., to Filtertek, Inc. Hermetically sealed transmission filter. 4,826,598, 5-2-89, Cl. 210-445.000.

Cain, Wendy J.: See—
  Hilton, Matthew D.; and Cain, Wendy J., 4,871,668, Cl. 435-147.000.

Cain, William C.: See—
  Kryder, Mark; Cain, William C.; and Meiklejohn, William H., 4,800,457, Cl. 360-113.000.

Caine, Harold A. Automotive warning and brake light arrangement. 4,808,968, 2-28-89, Cl. 340-71.000.

Caines, R. Scott, to American Hoechst Corporation. Process for manufacture of surface-modified oriented polymeric film. 4,810,434, 3-7-89, Cl. 264-22.000.

Caines, R. Scott: See—
  Rudd, David; and Caines, R. Scott, 4,880,695, Cl. 428-341.000.

Cairncross, Allan, to Du Pont de Nemours, E. I., and Company. Silver-based electrostatic printing master. 4,868,081, 9-19-89, Cl. 430-96.000.

Cairncross, J. Gregory: See—
  Albino, Anthony; Cairncross, J. Gregory; Eisinger, Magdalena; Houghton, Alan N.; and Old, Lloyd, 4,806,628, Cl. 530-387.000.

Cairns & Brother Inc.: See—
  Coombs, Christopher E., 4,849,280, Cl. 428-233.000.

Cairns, H. Ross. Curtain retaining apparatus. 4,887,324, 12-19-89, Cl. 4-609.000.

Cairns, John F., to Imperial Chemical Industries PLC. Treatment of cathodes for use in electrolytic cell. 4,802,962, 2-7-89, Cl. 204-145.00R.

Cairns, John P., to Computer Security Corporation. Apparatus and method for security of electric and electronic devices. 4,801,935, 1-31-89, Cl. 340-825.340.

Cairns, Royston H.; and Thompson, John R., to British Aerospace Public Limited Company. Automatic drill bit change apparatus for robot drilling. 4,819,320, 4-11-89, Cl. 29-568.000.

Cairo, Anthony: See—
  Levine, Matthew; Cairo, Anthony; Russo, James; Rigotti, Victor; and Clark, Roger, 4,837,731, Cl. 364-155.000.

Cairos, Jean Yves: See—
  Mischler, Denis; and Cairos, Jean Yves, 4,843,629, Cl. 382-6.000.

Cais, Michael; and Shimoni, Moshe, to Technion Research & Development Foundation Ltd., a part interest. Method and device for mass transport and separation through selective barriers. 4,832,850, 5-23-89, Cl. 210-638.000.

Cajon Company: See—
  Babuder, Gerald A.; and Weigl, Jeffrey L., 4,838,583, Cl. 285-354.000.
  Benway, Ernest A.; and Gardner, Thomas J., 4,868,367, Cl. 219-161.000.
  Weigl, Jeffrey L., 4,848,804, Cl. 285-52.000.

Cake, Brian V.; and Sippach, Frederick W., to LeCroy Corporation. Coarse/fine A-D converter using ramp waveform to generate fine digital signal. 4,804,939, 2-14-89, Cl. 341-156.000.

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Call, William F., to Neico Microwave Company. Orthogonal mode tee 4,849,720, 7-18-89, Cl. 333-125.000.

Callaghan, Francis J.; and Vollmann, William, to Telectronics N.V. Pacemaker with improved automatic output regulation. 4,878,497, 11-7-89, Cl. 128-419.0PG.

Callaghan, Frank J.; and Schroeppel, Edward A., to Telectronics, N.V. Detection of cardiac evoked potentials. 4,858,610, 8-22-89, Cl. 128-419.0PG.

Callaghan, Frank J., to Cordis Corporation. Activity sensor for pacemaker control. 4,860,751, 8-29-89, Cl. 128-419.0PG.

Callaghan, Ian C.; and Livsey, Ian, to British Petroleum Company p.l.c., The. Scale inhibitors. 4,874,535, 10-17-89, Cl. 252-8.552.

Callaghan, Jean D.; and Lane, Robert J., to Callaghan, Jean Davis. Board book for preschool children. 4,877,269, 10-31-89, Cl. 283-40.000.

Callaghan, Jean Davis: *See—*

Callaghan, Jean D.; and Lane, Robert J., 4,877,269, Cl. 283-40.000.

Callaghan, Michael L. Projectile toy. 4,826,179, 5-2-89, Cl. 273-428.000.

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Callaghan, Stephen P.; Killpatrick, Joseph E.; and Sewell, Wesley C., to Honeywell Inc. Dither signal remover for a dithered ring laser angular rate sensor. 4,826,320, 5-2-89, Cl. 356-350.000.

Callahan, David T.; and Moorefield, Barry A., to Allen-Morrison, Inc. Adjustable cup dispensing assembly. 4,854,479, 8-8-89, Cl. 221-304.000.

Callahan, Earnest J. Pleat placement chart and method of using the same. 4,817,292, 4-4-89, Cl. 33-1.00B.

Callahan, James F.; Huffman, William F.; Newlander, Kenneth A.; and Yim, Nelson C. F., to SmithKline Beckman Corporation. Intermediates for preparing 1,6-dicarba-vasopressin compounds. 4,810,778, 3-7-89, Cl. 530-328.000.

Callahan, James L.: *See—*

Paparizos, Christos; Shaw, Wilfrid G.; and Callahan, James L., 4,877,898, Cl. 560-208.000.

Pedersen, S. Erik; Callahan, James L.; and Hardman, Harley F., 4,864,057, Cl. 560-214.000.

Callahan, Michael. Control system for variable parameter lighting fixtures. 4,797,795, 1-10-89, Cl. 362-233.000.

Callahan, Michael; Chester, John K.; and Goddard, Robert M. Light dimmer for distributed use employing inductorless controlled transition phase control power stage. 4,823,069, 4-18-89, Cl. 323-235.000.

Callahan, Norman F. Metal treatment clamp and method and apparatus for using the same. 4,844,779, 7-4-89, Cl. 204-23.000.

Callahan, Robert M.; Fiore, Anthony M.; Flickinger, Edward C.; Hempel, Bruce C.; and Whistance, Bruce E., to International Business Machines Corporation. Picking in a graphics system. 4,847,605, 7-11-89, Cl. 340-709.000.

Callahan, Timothy; and Herz, Jack, to Deltown Chemurgic Corporation. Flavor and texture improved canned animal flesh and process. 4,871,575, 10-3-89, Cl. 426-643.000.

Callahan, Wayne B.; and Burnes, James E. Device for implantation of intraocular lens. 4,852,566, 8-1-89, Cl. 128-303.00R.

Callanan, Patrick J.: *See—*

Beiley, Mark J.; Mikhail, Makram T.; and Callanan, Patrick J., 4,844,517, Cl. 285-382.400.

Callander, Douglas D.: *See—*

Terrill, Edward R.; and Callander, Douglas D., 4,824,928, Cl. 528-190.000.

Callaway, Brian; and Pittman, Edgar H., to Milliken Research Corporation. Wallcovering. 4,863,777, 9-5-89, Cl. 428-103.000.

Callaway, James J. Intravenous needle and holder assembly. 4,878,904, 11-7-89, Cl. 604-273.000.

Calle, Jaime, to Honeywell Bull Inc. Apparatus for dynamically switching the clock source of a data processing system. 4,823,262, 4-18-89, Cl. 364-200.000.

Callegari, Alessandro C.: *See—*

Baker, John M.; Callegari, Alessandro C.; Lacey, Dianne L.; and Shih, Yih-Cheng, 4,853,346, Cl. 437-184.000.

Buchanan, Douglas A.; Callegari, Alessandro C.; Hob, Peter D.; and Lacey, Dianne L., 4,859,253, Cl. 148-33.300.

Callegari, Andrew J.: *See—*

Cody, George D.; Elzinga, Eugene R., Jr.; Callegari, Andrew J.; and Cohen, Roger W., 4,877,488, Cl. 201-1.000.

Callegari, Michel: *See—*

Minjolle, Louis; Drouet, Michel; Fatta-Barou, Jean-Louis; Callegari, Michel; and Noel, Jacques, 4,853,053, Cl. 156-73.500.

Callender, Bernard L.; Chow, William W.; Osterday, Thomas G.; and Rueger, William J., to International Business Machines Corporation. Air bearing tape support for guiding tape and sensing tape tension. 4,842,177, 6-27-89, Cl. 226-97.000.

Callender, Daryl T. Work support structure. 4,884,791, 12-5-89, Cl. 269-88.000.

Callendrier, David: *See—*

Henry, Max; and Callendrier, David, 4,880,344, Cl. 411-374.000.

Callerame, Joseph. Process for the production of chlorine dioxide. 4,874,489, 10-17-89, Cl. 204-157.440.

Callerame, Joseph. Process for the production of chlorine dioxide. 4,877,500, 10-31-89, Cl. 204-157.480.

Calleson, Gerald C., to Allen Group, Inc., The. Heat exchanger. 4,858,686, 8-22-89, Cl. 165-173.000.

Calliebe, Dietrich. Bullet setting device. 4,813,169, 3-21-89, Cl. 42-90.000.

Callies, Gerald A.; Albach, Eberhard R.; Conour, John F.; and Herrington, Richard A., to Libbey-Owens-Ford Co. Continuous vapor deposition method for producing a coated glass article. 4,835,040, 5-30-89, Cl. 428-215.000.

Callingham, Martin; Chaudhuri, Dwaipayan; Curry, Kenneth V.; Pike, Barry G.; and Taylor, Michael B., to Lever Brothers Company. Skin composition. 4,822,596, 4-18-89, Cl. 424-46.000.

Callis, Richard A.; and James, Darryl G., to Northrop Corporation. Apparatus for debulking and autoclaving laminates of complex shapes. 4,822,436, 4-18-89, Cl. 156-211.000.

Callis, Richard A.; and James, Darryl G., to Northrop Corporation. Molded vacuum bag for debulking and autoclaving laminates of complex shapes. 4,842,670, 6-27-89, Cl. 156-382.000.

Callison, Oscar H., to Abbott Laboratories. Dispersion and neutralization of acid casein. 4,880,912, 11-14-89, Cl. 530-361.000.

Callon, Floyd R.: *See—*

Dyment, James A.; Callon, Floyd R.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,848,856, Cl. 312-135.000.

Calloni, Enzo; Valente, Maurizio; and Raiola, Alfonso, to Ausimont S.p.A. Purification of oils containing solid matters in suspension. 4,855,044, 8-8-89, Cl. 210-195.100.

Calloway, Charles B.: *See—*

Waterbury, John B.; Calloway, Charles B.; and Turner, Ruth D 4,861,721, Cl. 435-252.100.

Calloway, John E.: *See—*

Ponds, Kevin W.; and Calloway, John E., 4,868,727, Cl. 362-344.000.

Callsen, Georg H.; and Kindler, George U. P., to U.S. Philips Corporation. Positioning arrangement for a measuring-value sensor. 4,876,905, 10-31-89, Cl. 73-866.500.

Callsen, Hans; and Muuss, Peter, to Nordische Maschinenbau Rud. Baader GmbH & Co. KG. Apparatus for skinning poultry carcases. 4,856,143, 8-15-89, Cl. 17-11.000.

Callut, Francois J., to Ryan Investments, B.V. Method and apparatus for separating and recovering particulate material. 4,865,740, 9-12-89, Cl. 210-512.200.

Calmar Corporation: *See—*

Moore, David G.; and Foster, Donald D., 4,838,460, Cl. 222-153.000.

Calmar Inc.: *See—*

Corsette, Douglas F., 4,872,596, Cl. 222-380.000.

Calmark Corporation: *See—*

Weisman, Arnold M., 4,819,713, Cl. 165-1.000.

Calmettes, Lionel, to Establissements Caillau. Clamp and method of producing same. 4,803,758, 2-14-89, Cl. 24-20.00R.

Calmettes, Lionel; and Andre, Michel, to Etablissements Caillau. Clamp for joining two metal pipes. 4,834,431, 5-30-89, Cl. 285-410.000.

Calmettes, Lionel, to Establissements Caillau. Deformable washer particularly for predetermining the minimum force needed for tightening a nut or a screw. 4,887,948, 12-19-89, Cl. 411-5.000.

Calo, Seraphin B.; Kaunan, Krishnamurthi; Soo, Suk S.; Burke, Thomas G.; and Wiley, John W., Jr., to International Business Machines Corporation. Electronic system for accessing graphical and textual information. 4,805,134, 2-14-89, Cl. 364-900.000.

Caloyannis, Theodore; and Lamborot, Pierre, to Saint-Gobain Cinematique et Controle. Apparatus for the inspection of transparent materials utilizing a diffusing screen. 4,843,231, 6-27-89, Cl. 250-223.00B.

CALP Kogyo Kabushiki Kaisha: *See—*

Nakamura, Hironori; Yotsui, Toshiaki; Sato, Youichi; Umetsubo, Toshiaki; and Ohkawa, Hideo, 4,872,247, Cl. 29-125.000.

CALPAC Incorporated: *See—*

Bates, Howard M., 4,874,125, Cl. 229-132.000.

Calpis Food Industry: *See—*

Taguchi, Fumiaki; Mitsui, Isamu; Hara, Kinichi; Hayashi, Masaru; Ezawa, Kunio; Fukunaga, Kenichi; and Kuranari, Jun, 4,882,42 Cl. 530-380.000.

Calsonic Corporation: *See—*

Ikeda, Tsunemi; and Ota, Motoki, 4,840,030, Cl. 60-324.000.

Calspan Corporation: *See—*

Schneeberger, Richard F.; and Akers, Charles K., 4,884,076, Cl. 342-5.000.

Calsson, Staffan; Boberg, Tore; and Sjogvist, Conny, to Aktiebolaget Bofors. Method for producing a pyrotechnical charge. 4,853,05 8-1-89, Cl. 149-109.600.

Calstone Inc.: *See—*

Ecclestone, James A., 4,801,023, Cl. 211-55.000.

Calta, Salvatore A.; Gregg, Thomas A.; Skarshinski, Leon; and Strangwayes, Richard, to International Business Machines Corporation. Byte count handling in serial channel extender with buffering for data pre-fetch. 4,866,609, 9-12-89, Cl. 364-200.000.

Caltherm Corporation: *See—*

Pflum, Robert P., 4,872,476, Cl. 137-513.500.

Calucci, William M., to Chrysler Motors Corporation. Door lift-off hinge. 4,807,331, 2-28-89, Cl. 16-262.000.

Calumatic B. V.: *See—*

Damen, Franciscus A., 4,848,419, Cl. 141-61.000.

Calundann, Gordon W.: *See—*

Gupta, Balaram; and Calundann, Gordon W., 4,868,274, Cl. 528-206.000.

Calvani, Riccardo; Caponi, Renato; and Cisternino, Francesco, to Cselt- Centro Studi e Laboratori Telecomunicazioni S.P.A. Optical fiber transmission system with polarization modulation and heterodyne coherent detection. 4,817,206, 3-28-89, Cl. 455-616.000.

Calvani, Riccardo; Caponi, Renato; and Cisternino, Francesco, to CSELT-Centro Studi e Laboratori Telecomunicazioni S.p.A. Heterodyne michelson interferometer for polarization measurements 4,832,492, 5-23-89, Cl. 356-349.000.

Calvani, Riccardo; Caponi, Renato; Cisternino, Francesco; and Coppa Gianni, to Cselt - Centro Studi e Laboratori Telecomunicazioni S.p.A. Method of measuring polarization and birefringence in single mode optical fibers. 4,866,266, 9-12-89, Cl. 250-227.000.

Calvat, Claude; Colle, Laurent; Couchaud, Maurice; LeJus, Anne Marie; Moncorge, Richard; Vivien, Daniel; and Wyon, Christophe, to Commissariat a l'Energie Atomique; and Centre National de la Recherche Scientifique. Mixed lanthanum-magnesium aluminates and lasers using monocrystals of these aluminates. 4,853,354, 8-1-89, Cl. 501-119.000.

Calverley, Martin J.; and Binderup, Ernst T., to Leo Pharmaceutical Products Ltd. Novel vitamin D analogues. 4,866,048, 9-12-89, Cl. 514-167.000.

Calverley, Simon G.: *See—*

Hosking, Steven M.; and Calverley, Simon G., 4,813,658, Cl. 271-10.000.

Hosking, Steven M.; and Calverley, Simon G., 4,867,431, Cl. 271-3.000.

Calvert, Colin: *See—*

Russell, Andrew J.; and Calvert, Colin, 4,810,096, Cl. 356-436.00

Calvert, Douglas D.; Behrens, Edward A.; and Baver, Donald K., to Wisconsin Electric Power Company. Method for testing underground electric cables. 4,839,598, 6-13-89, Cl. 324-539.000.

Calvert, George V.: *See—*

Cowley, Barry S.; and Calvert, George V., 4,863,143, Cl. 251-129.150.

Calvert, Michael A., to Prime Actuator Control Systems Limited. Device containing a force-imparting means and equipped with safety means. 4,883,262, 11-28-89, Cl. 267-175.000.

Calvert, Paul D.; Ellul, Raymond M.; and Moyle, Brian D., to British Petroleum Co. p.l.c., The. Polymer composites. 4,806,579, 2-21-89, Cl. 524-99.000.

Calvert, Peter W., to Thomas Industries, Inc. Pad-type applicator with adjusting handle. 4,819,294, 4-11-89, Cl. 15-209.00R.

Calvert, Rodney K.; and Wood, Prentice J., to Mead Corporation, The. Article container with overwrap. 4,802,583, 2-7-89, Cl. 206-427.000.

Calvert, Rodney K., to Mead Corporation, The. Packaging machine. 4,869,052, 9-26-89, Cl. 53-566.000.

Calvet, Jean: *See—*

Aurouet, Claude; Blumenfeld, Henry; Bourdinaud, Michel; Calvet, Jean; Cavan, Jean-Claude; Meyer, Joao; and Thevenin, Jean-Claude, 4,812,013, Cl. 350-96.290.

Calvet, Jean-Claude; and Mauge, Jacques, to U.S. Philips Corporation. Remote-controlled receiver arrangement using a modulated carrier. 4,833,727, 5-23-89, Cl. 455-151.000.

Calviello, Joseph A., to Eaton Corporation. Method for buried channel field effect transistor for microwave and millimeter frequencies utilizing ion implantation. 4,833,095, 5-23-89, Cl. 437-22.000.

Calviello, Joseph A., to Eaton Corporation. Making a buried channel FET with lateral growth over amorphous region. 4,837,175, 6-6-89, Cl. 437-24.000.

Calviello, Joseph A.; Bie, Paul R.; and Pomian, Ronald J., to Eaton Corporation. Method for fabricating quasi-monolithic integrated circuits. 4,876,176, 10-24-89, Cl. 430-311.000.

Calvignac, Jean; and Secondo, Pierre, to International Business Machines Corp. Pseudo synchronous transport mechanism in a communication network. 4,799,219, 1-17-89, Cl. 370-94.000.

Calvignac, Jean; and Secondo, Pierre, to International Business Machines Corp. Optimized bandwith allocation mechanism between circuit slots and packet bit stream in a communication network. 4,819,230, 4-4-89, Cl. 370-94.000.

Calvignac, Jean L.: *See—*

Bouillot, Michel; Calvignac, Jean L.; and Munier, Jean-Marie L., 4,811,339, Cl. 370-94.000.

Calvignac, Jean-Louis J.: *See—*

Bouillot, Michel; Calvignac, Jean-Louis J.; and Munier, Jean-Marie L., 4,855,948, Cl. 364-900.000.

Calvillo, Carlos P.; and Lykins, Rick L. Paint strainer. 4,804,470, 2-14-89, Cl. 210-232.000.

Calvin, Douglas G.: *See—*

Scobie, William B.; and Calvin, Douglas G., 4,846,441, Cl. 251-307.000.

Calvo, Luis C.: *See—*

Burke, Karen E.; and Calvo, Luis C., 4,865,840, Cl. 424-59.000.

Calzado Requena, Vincente: *See—*

Andrada Galan, Mario; Romero Lledo, Antonio; and Calzado Requena, Vincente, 4,853,866, Cl. 364-470.000.

Calzaturificio Duegi S.r.l.: *See—*

Bigolin, Giuseppe, 4,825,565, Cl. 36-131.000.

Calzaturificio Tecnica SpA: *See—*

Marega, Antonello, 4,800,659, Cl. 36-119.000.

Marega, Antonello, 4,802,290, Cl. 36-119.000.

Zanatta, Ruggero, 4,800,658, Cl. 36-50.000.

Calzi, Philippe: *See—*

Devin, Jean; and Calzi, Philippe, 4,860,256, Cl. 365-189.030.

Cam-Lok, Inc.: *See—*

Brown, Clifford C.; and Hanks, William M., 4,845,593, Cl. 361-192.000.

Cama, Lovji D.: *See—*

Christensen, Burton G.; Cama, Lovji D.; and Schmitt, Susan M., 4,873,324, Cl. 540-200.000.

Camaggi, Giovanni: *See—*

Menconi, Augusto; Camaggi, Giovanni; Gozzo, Franco; Mirenna, Luigi; and Garavaglia, Carlo, 4,874,786, Cl. 514-528.000.

Palla, Ottorino; Camaggi, Giovanni; Gozzo, Franco; Menconi, Augusto; and Signorini, Ernesto, 4,810,281, Cl. 71-90.000.

Camann, James C.: *See—*

Boothroyd, William A.; Camann, James C.; and Palo, Robert A., 4,884,199, Cl. 364-408.000.

Camarda, Charles J.; and Ransone, Philip O., to United States of America, National Aeronautics and Space Administration. Reusable high-temperature heat pipes and heat pipe panels. 4,838,346, 6-13-89, Cl. 165-104.140.

Camatec Corporation: *See—*

Petersen, Christian C.; and Wasson, Ken G., 4,837,474, Cl. 310-254.000.

Cambareri, Carmelo R.: *See—*

Proni, Oscar; Fayer, Ervin; Dominick, George G.; and Cambareri, Carmelo R., 4,887,473, Cl. 73-864.350.

Camber International Limited: *See—*

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Camberlin, Yves: *See—*

Barthelemy, Pascal; and Camberlin, Yves, 4,847,343, Cl. 526-262.000.

Barthelemy, Pascal; and Camberlin, Yves, 4,847,344, Cl. 526-262.000.

Cambiaso, Cesar L.; and Masson, Pierre L., to L'Association Internationale abut Scientifique, dite: "Institut International de Pathologie Cellulaire et Moleculaire". Method for immunological assay of antibodies of various types in a liquid sample. 4,829,012, 5-9-89, Cl. 436-512.000.

Cambon, Aime : *See—*

Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime ; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.

Cambon, Christian, to Etat Francais as represented by the Delegue General pour l'Armement. Multi-coat nonskid surfacing. 4,859,522, 8-22-89, Cl. 428-215.000.

Cambonie, Joel; and Artieri, Alain, to SGS Thomson Microelectronics S.A. Signal processing integrated circuit for row and column addition of matrices of digital values. 4,872,134, 10-3-89, Cl. 364-768.000.

Cambonie, Joel, to SGS-Thomson Microelectronics S.A. Integrated digital signal processing circuit for performing cosine transformation. 4,873,658, 10-10-89, Cl. 364-725.000.

Cambrian Consultants, Inc.: *See—*

Hammond, Francis P.; and Lewis, Martyn A., 4,831,315, Cl. 318-567.000.

Cambridge Applied Systems, Inc.: *See—*

Wright, Hubert A., 4,864,849, Cl. 73-57.000.

Cambridge Filter Corporation: *See—*

Ellis, Jerry R., 4,795,481, Cl. 55-500.000.

Goulet, Roger; Cutri, Joseph; and DeYulio, Joseph, 4,885,015, Cl. 55-497.000.

Cambridge Instruments, Inc.: *See—*

Luce, David A.; and Krstanovic, Srdjan, 4,881,807, Cl. 351-208.000.

Cambridge Life Sciences, plc: *See—*

Russell, Andrew J.; and Calvert, Colin, 4,810,096, Cl. 356-436.000.

Cambridge Patent Developments Limited: *See—*

Self, Colin H., 4,828,985, Cl. 435-7.000.

Self, Colin H., 4,840,895, Cl. 435-7.000.

Cambridge Research and Instrumentation, Inc.: *See—*

Miller, Peter J., 4,848,877, Cl. 350-347.00E.

Cambridge Technologies, Inc.: *See—*

Holdt, Donald H., 4,795,214, Cl. 297-443.000.

Cambridge Technology, Inc.: *See—*

Rohr, Bruce E., 4,864,295, Cl. 340-870.370.

Cambridge, Vivian J.: *See—*

Constant, W. David; Wolcott, Joanne M.; and Cambridge, Vivian J., 4,884,437, Cl. 73-54.000.

Cambridge, Vivien J.: *See—*

Gray, Richard L.; and Cambridge, Vivien J., 4,845,628, Cl. 364-420.000.

Cambruzzi, Louis: *See—*

Olodort, Robert; Micalizzi, Charles; Cambruzzi, Louis; and Turchik, Randy, 4,875,174, Cl. 364-519.000.

Camco, Incorporated: *See—*

Blizzard, William A.; and Pringle, Ronald E., 4,860,991, Cl. 251-62.000.

Going, Walter S., III; Pringle, Ronald E.; and Morris, Arthur J., 4,844,166, Cl. 166-379.000.

Hamilton, Billy E., 4,869,321, Cl. 166-277.000.

Jeziorowski, Les A., 4,859,010, Cl. 312-312.000.

Leismer, Dwayne D.; and Blizzard, William A., Jr., 4,838,355, Cl. 166-375.000.

Moore, Brian K.; and Morris, Donald R., 4,865,131, Cl. 166-384.000.

Pringle, Ronald E., 4,854,387, Cl. 166-321.000.

Pringle, Ronald E., 4,862,958, Cl. 166-72.000.

Pringle, Ronald E., 4,862,965, Cl. 166-380.000.

Schultz, Robert E., 4,806,424, Cl. 428-372.000.

Schultz, Robert E., 4,816,337, Cl. 428-372.000.

Watson, Arthur I., 4,884,432, Cl. 72-410.000.

Camden, Thomas M., Jr.: *See—*

Cooney, Barry F.; and Camden, Thomas M., Jr., 4,836,977, Cl. 376-333.000.

Cameco Industries, Inc.: *See—*

Giardina, Jacob; and Rodrigue, Kenneth, 4,878,341, Cl. 56-364.000.

Cameco Medical Limited: *See—*

Swallert, Sven A., 4,850,979, Cl. 604-228.000.

Camelleri, Paul, to Continuous Concrete Casting PTY. Limited. Trenching apparatus and methods of forming inground retaining walls. 4,843,742, 7-4-89, Cl. 37-90.000.

Camelon, Joseph: *See—*

Brennan, Robert P.; Camelon, Joseph; and Trudel, J. Bernard, 4,805,211, Cl. 379-355.000.

Camenisch, Gian C., to Raymond, A. Adjustable fastening strap. 4,860,979, 8-29-89, Cl. 248-74.300.

Camenzind, Hugo; and Phillips, Emyr, to Ciba-Geigy Corporation. Aminomethyl derivatives of benzothiazolinethione as lubricant additives. 4,803,001, 2-7-89, Cl. 252-47.000.

Camenzind, Hugo; and Phillips, Emyr, to Ciba-Geigy Corporation. Aminomethyl derivatives of benzothiazolinethione as lubricant additives. 4,810,399, 3-7-89, Cl. 252-47.000.

Camera Platforms International, Inc.: *See—*

Fredrick, William; Brent, Robert; and Baldwin, Peter, 4,873,616, Cl. 363-17.000.

Fredrick, William; Brent, Robert; and Baldwain, Peter, 4,873,617, Cl. 363-17.000.

- Fredrick, William; Brent, Robert; and Baldwin, Peter, 4,873,618, Cl. 363-17.000.
- Camerik, Eduard: *See—*
  - Gijzen, Wilhelmus A. H.; Decoster, Michel H. F.; and Camerik, Eduard, 4,833,666, Cl. 369-75.200.
- Camerini Porzi, Pier Cesare, to Officine Vittoria S.p.A. Device, applicable to ovens, for monitoring the color of coffee and similar commodities during the course of a roast. 4,849,625, 7-18-89, Cl. 250-226.000.
- Cameron Constructors, Inc.: *See—*
  - Dalton, John F., 4,881,361, Cl. 56-17.500.
- Cameron, David B., to Thetford Corporation. Portable toilet with vent for flush water supply tank. 4,850,064, 7-25-89, Cl. 4-321.000.
- Cameron, David B., to Thetford Corporation. Toilet with manual flush. 4,888,832, 12-26-89, Cl. 4-321.000.
- Cameron, David B.: *See—*
  - Antos, John M.; and Cameron, David B., 4,805,660, Cl. 137-202.000.
- Cameron, David G; Hudson, Harry R.; Lagerlund, Inger; and Pianka, Max, to KenoGard AB. Method for controlling phytopathogenic fungi using branched aminoalkanephosphonic acids. 4,888,330, 12-19-89, Cl. 514-114.000.
- Cameron, David S., to General Motors Corporation. Laterally offset dual volume air damper suspension strut with minimized side load. 4,826,204, 5-2-89, Cl. 280-698.000.
- Cameron, Donald C.; and Hoover, Mat, to Dowell Schlumberger Incorporated. Foamed slurry generator. 4,797,003, 1-10-89, Cl. 366-101.000.
- Cameron, Donald W.; Feutrill, Geoffrey I.; and Griffiths, Peter G., to University of Melbourne. Carminomycinone precurses and analogues. 4,822,373, 4-18-89, Cl. 536-6.400.
- Cameron, Dugald; Friedrich, Karl; Zmugg, Rudolf; and Resele, Peter, to Chrysler Motors Corporation. All-wheel drive vehicle power train. 4,867,260, 9-19-89, Cl. 180-360.000.
- Cameron Forge Company: *See—*
  - Campbell, Frank, Jr., 4,838,785, Cl. 432-121.000.
- Cameron, G. N., Jr. Holder for machining thin walled cylinder. 4,811,962, 3-14-89, Cl. 279-2.00A.
- Cameron, Gregory W., to ITT Corporation. Electric cable tensioning device. 4,817,463, 4-4-89, Cl. 74-781.00R.
- Cameron, Harold A.: *See—*
  - Sutter, Leroy V.; and Cameron, Harold A., 4,878,894, Cl. 604-24.000.
- Cameron, Harry J.: *See—*
  - Bennett, William C., 4,848,244, Cl. 108-38.000.
- Cameron Iron Works GmbH: *See—*
  - Biester, Klaus, 4,809,750, Cl. 138-45.000.
- Cameron Iron Works USA, Inc.: *See—*
  - Abreo, William A., Jr., 4,872,708, Cl. 285-39.000.
  - Ahlstone, Arthur G., 4,880,061, Cl. 166-348.000.
  - Baker, Gerald S.; and Mefford, David R., 4,827,963, Cl. 137-75.000.
  - Baker, Gerald S., 4,837,539, Cl. 335-207.000.
  - Baker, Gerald S., 4,844,407, Cl. 251-14.000.
  - Baker, Gerald S., 4,871,143, Cl. 251-58 000.
  - Bhowal, Prabir R.; Becker, James R.; Korinsky, George K.; and Bhathena, Noshir M., 4,843,856, Cl. 72-41.000.
  - Boulton, Paul D., 4,832,381, Cl. 285-351.000.
  - Breese, Peter, 4,869,535, Cl. 285-39.000.
  - Cassity, Thomas G.; Montgomery, William C.; Baker, Gerald S.; Wedel, Alfred W.; and Taylor, William M., 4,862,426, Cl. 367-81.000.
  - Chin, Arthur H.; and Taylor, William M., 4,887,846, Cl. 285-18.000.
  - Galle, Gary L.; and Berner, Paul C., Jr., 4,844,511, Cl. 285-18.000.
  - Galle, Gary L., 4,869,615, Cl. 403-11.000.
  - Garbett, Keith, 4,862,960, Cl. 166-86.000.
  - Henderson, Herman O.; and Hynes, Joseph H., 4,807,705, Cl. 166-348.000.
  - Herring, Donald G., 4,827,748, Cl. 72-62.000.
  - Hyne, Joseph H.; Cyvas, Matthew K.; and Long, David D., 4,815,770, Cl. 285-140.000.
  - Hynes, Joseph H.; Owens, James H., III; and Taylor, William M., 4,826,216, Cl. 285-140.000.
  - Hynes, Joseph H., 4,887,672, Cl. 166-344.000.
  - Kellett, Rodney, 4,869,318, Cl. 166-87.000.
  - Lawson, John E., 4,874,008, Cl. 137-315.000.
  - Lawson, John E., 4,883,293, Cl. 285-364.000.
  - McEver, James P.; and Theiss, David H., 4,823,871, Cl. 166-182.000.
  - Moore, Norman B.; Parris, Joe P.; and Fisher, Edmund A., 4,865,356, Cl. 285-55.000.
  - Schmitz, Thomas R.; and Chin, Arthur H. T., 4,805,430, Cl. 72-58.000.
  - Schmitz, Thomas R., 4,868,964, Cl. 29-237.000.
  - Smith, Jerry D., 4,825,945, Cl. 166-86.000.
  - Szymozak, Edward J.; Cassity, Thomas G.; Taylor, William M.; Tiemer, Peer H.; Hoes, Larry M.; Smith, Jerry D.; and Davies, Timothy C., 4,869,319, Cl. 166-115.000.
  - Taylor, William M.; and Cassity, Thomas G., 4,817,716, Cl. 166-277.000.
  - Taylor, William M., 4,832,125, Cl. 166-348.000.
  - Theiss, David H., 4,811,784, Cl. 166-208.000.
  - Theiss, David H.; and McEver, James P., 4,844,510, Cl. 285-18.000.
  - Thornburrow, Edward T., 4,875,523, Cl. 166-77.000.
  - Valenzuela, Ernesto D., 4,854,778, Cl. 405-204.000.
  - Vanderford, Delbert E., Jr.; and Smith, Jerry D., 4,828,293, Cl. 285-147.000.
  - Wedel, Alfred W., 4,830,109, Cl. 166-277.000.
  - Wilkins, Robert L., 4,807,700, Cl. 166-86.000.
- Cameron, James M.; Stanton, Timothy P.; Tye, Anthony J.; and December, Timothy S., to BASF Corporation. Curable coating composition. 4,837,278, 6-6-89, Cl. 525-162.000.
- Cameron, John F.; Knirck, Jeffrey G.; and Wise, Lawrence A., to General Signal Corporation. Dual voice coil shutter. 4,839,679, 6-13-89, Cl. 354-234.100.
- Cameron, Keith H.; and Smith, David W., to British Telecommunications Public Limited Company. Monitoring and controlling source stability. 4,817,100, 3-28-89, Cl. 372-32.000.
- Cameron, Kelly B.: *See—*
  - Maki, Gary K.; Cameron, Kelly B.; and Owsley, Patrick A. 4,873,688. Cl. 371-37.100.
- Cameron, Mickey G., to Dana Corporation. Friction laminate and disk assembly. 4,848,553, 7-18-89, Cl. 192-107.00R.
- Cameron, Mickey G., to Dana Corporation. Clutch disk with cushioned friction element assembly. 4,858,742, 8-22-89, Cl. 192-107.00C.
- Cameron, Mickey G., to Dana Corporation. Clutch disk with spring cushioned friction element. 4,869,356, 9-26-89, Cl. 192-107.00M.
- Cameron, Norman F.: *See—*
  - Aid, James D.; Cameron, Norman F.; and Hartranft, Thomas P. 4,827,430, Cl. 364-510.000.
  - Lindsay, Edward R.; Aid, James D.; and Cameron, Norman F. 4,828,693, Cl. 210-137.000.
- Cameron, Randy E.: *See—*
  - Yaniger, Stuart I.; and Cameron, Randy E., 4,851,487, Cl. 525-540.000.
  - Yaniger, Stuart I.; and Cameron, Randy E., 4,855,361, Cl. 525-436.000.
- Cameron, Richard J., to Com DEV Ltd. Modular contiguous channel multiplexer. 4,815,075, 3-21-89, Cl. 370-123.000.
- Cameron, Richard J.: *See—*
  - Tang, Wai-Cheung; Cameron, Richard J.; and Bryant, David M. T., 4,881,051, Cl. 333-208.000.
- Cameron, Robert; and McMahon, Denis J., to Bp Chemicals Limited. Fibre optic cable having a layer of a polyethylene composition and process of making same. 4,832,443, 5-23-89, Cl. 350-96.230.
- Cameron, Robert K., to Panel Graphics, U.S.A., Inc. Optical prism display device. 4,885,856, 12-12-89, Cl. 40-453.000.
- Cameron, Robert W.; Dressler, Gary J.; and Hartline, Jack L. to Timken Company, The. Lubrication system for automotive transmission pocket bearing. 4,842,100, 6-27-89, Cl. 184-6.200.
- Cameron, William M. Combination safety cage for all terrain vehicle. 4,798,399, 1-17-89, Cl. 280-756.000.
- Camiade, Marc; Bert, Alain; and Savary, Pierre, to Thomson Hybrides et Microondes. Frequency-doubling oscillator, tuned by varactors. 4,868,526, 9-19-89, Cl. 331-117.0FE.
- Camilleri, Charles F., to Lee-Rowan Company. End cap. 4,825,504, 5-2-89, Cl. 16-108.000.
- Camilleri, Jonathan P. Fishing line deflecting member. 4,823,495, 4-25-89, Cl. 43-43.130.
- Camillo, David B.; and Gentry, Melvin, to Essex Group, Inc. Packing box. 4,817,796, 4-4-89, Cl. 206-396.000.
- Camillo, Jack J. Game of skill and method of playing same. 4,856,79 8-15-89, Cl. 273-317.000.
- Camillus Cutlery Co.: *See—*
  - Gibbs, Philip W., 4,819,289, Cl. 7-118.000.
- Camin, Geary: *See—*
  - Clark, Brian; Uken, William D.; Schoenstein, Paul; and Camin, Geary, 4,888,070, Cl. 156-48.000.
- Caminiti, Pietro S. Tendon depressor. 4,829,988, 5-16-89, Cl. 128-69.000.
- Camisa, John D., to Dow Chemical Company, The. Composite flooring felt for vinyl flooring containing latexes and an activator. 4,810,329, 3-7-89, Cl. 162-168.100.
- Camitz, Peter. Jointing device primarily for scaffold or stand system. 4,884,915, 12-5-89, Cl. 403-171.000.
- Camloc GmbH: *See—*
  - Dobbeier, Peter, 4,884,930, Cl. 411-6.000.
  - Hempel, Werner, 4,801,232, Cl. 411-552.000.
- Cammann, Karl. Process for the improvement of selectivity of spectrometric measurements and an apparatus for the performance of the process. 4,804,271, 2-14-89, Cl. 356-416.000.
- Cammann, Karl. Method of measuring atomic spectra compensating for atomic absorption by frequency modulation and using the doppler effect. 4,834,535, 5-30-89, Cl. 356-307.000.
- Camp, Claude E.: *See—*
  - Hassel, Michael J.; Felix, Ian C.; and Camp, Claude E., 4,825,321, Cl. 360-51.000.
  - Hassel, Michael J.; Felix, Ian C.; and Camp, Claude E., 4,858,034, Cl. 360-51.000.
- Camp Dresser & McKee, Inc.: *See—*
  - Goodrich, James A.; and Medlar, Steven J., 4,871,450, Cl. 210-151.000.
- Camp, Floyd E.; and Wooden, Stanley A., to Crucible Materials Corporation. Method for producing dysprosium-iron-boron alloy powder. 4,806,155, 2-21-89, Cl. 75-0.5AA.
- Camp, Marion L.; and Lancaster, James W., to Arkansas Louisiana Gas Company. Pneumatic gas meter test fixture. 4,844,431, 7-4-89, Cl. 269-25.000.
- Camp, Ronnie: *See—*
  - Orr, Clyde, Jr.; and Camp, Ronnie, 4,872,353, Cl. 73-864.850.
- Camp Scandinavia AB: *See—*
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- Campa Campa, Flor: *See—*
  - Alvarado Cendan, Jose M.; and Campa Campa, Flor, 4,797,270, Cl. 423-625.000.
- Campagna, Anthony J.: *See—*
  - Sandvig, Timothy C.; Bartizal, Dennis C.; Scholz, Matthew T.; Campagna, Anthony J.; and Libbey, Chris J., 4,888,225, Cl. 428-71.000.
- Campagnolo S.r.l.: *See—*
  - Romano, Antonio, 4,887,482, Cl. 74-502.600.
- Campagnolo S.p.A.: *See—*
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  - Romano, Antonio, 4,801,287, Cl. 474-82.000.
  - Romano, Antonio, 4,819,497, Cl. 74-489.000.
  - Romano, Antonio, 4,824,420, Cl. 474-78.000.
  - Romano, Antonio, 4,836,604, Cl. 297-195.000.
  - Romano, Antonio, 4,856,365, Cl. 74-594.600.
  - Romano, Antonio, 4,857,036, Cl. 474-80.000.
  - Romano, Antonio, 4,859,984, Cl. 340-432.000.
  - Romano, Antonio, 4,869,351, Cl. 188-24.210.
  - Romano, Antonio, 4,876,913, Cl. 74-535.000.
  - Romano, Antonio, 4,878,395, Cl. 74-531.000.
  - Romano, Antonio, 4,878,884, Cl 474-82.000.
  - Testa, Sandro, 4,838,837, Cl. 474-80.000.
  - Testa, Sandro, 4,840,605, Cl. 474-80.000.
- Campagnuolo, Carl J.; and Fine, Jonathan E., to United States of America, Army. Charging and detonation device for submunition. 4,852,496, 8-1-89, Cl. 102-322.000.
- Campaignie ORIS Industrie: *See—*
  - Rague, Bruno; and Olombel, Andre, 4,851,694, Cl. 250-497.100.
- Campana, David L.: *See—*
  - Campana, Patsie C.; and Campana, David L., 4,832,703, Cl. 44-519.000.
  - Campana, Patsie C.; and Campana, David L., 4,858,673, Cl. 164-359.000.
- Campana, Franco: *See—*
  - Pivotto, Bruno; Ferri, Gualtiero; and Campana, Franco, 4,822,858, Cl. 525-246.000.
- Campana, Patsie C.; and Campana, David L., to Caldo International, Inc. Fuel package. 4,832,703, 5-23-89, Cl. 44-519.000.
- Campana, Patsie C.; and Campana, David L., to Caldo International, Inc. Riser construction. 4,858,673, 8-22-89, Cl. 164-359.000.
- Campana, Thomas J.: *See—*
  - Andros, Andrew A.; and Campana, Thomas J., 4,849,750, Cl. 340-825.440.
  - Andros, Andrew A.; and Campana, Thomas J., 4,851,830, Cl. 340-825.440.
  - Andros, Andrew A.; and Campana, Thomas J., 4,853,688, Cl. 340-825.440.
  - Andros, Andrew A.; and Campana, Thomas J., 4,857,915, Cl. 340-825.440.
- Campana, Thomas J., Jr.: *See—*
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,866,431, Cl. 340-825.020.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,558, Cl. 340-825.020.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,562, Cl. 340-825.440.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,860, Cl. 379-57.000.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,870,410, Cl. 340-825.020.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,875,039, Cl. 340-825.440.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,876,538, Cl. 340-825.260.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,878,051, Cl. 340-825.440.
  - Andros, Andrew A.; and Campana, Thomas J., Jr., 4,881,073, Cl. 340-825.440.
- Campanella, Charles L. Insulation stripping coiler for wire, cable or the like. 4,809,566, 3-7-89, Cl. 81-9.510.
- Campanella, Nicholas: *See—*
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- Campanelli, Michael R., to Xerox Corporation. Method of fabricating thermal ink jet printheads. 4,878,992, 11-7-89, Cl. 156-633.000.
- Campanelli, Michael R.: *See—*
  - Hawkins, William G.; Drake, Donald J.; and Campanelli, Michael R., 4,822,755, Cl. 437-227.000.
- Campanini, Sergio, to Hose America, Inc. Shut-off and locking assembly for swivel gladhand. 4,852,915, 8-1-89, Cl. 285-38.000.
- Campardo, Giovanni; and Novosel, David, to SGS Microelecttronica S.p.A. Circuital device for the power-on reset of digital integrated circuits in MOS technology. 4,874,965, 10-17-89, Cl. 307-272.300.
- Campardo, Giovanni: *See—*
  - Novosel, David; and Campardo, Giovanni, 4,800,297, Cl. 307-296.00R.
- Campau, Daniel N., to Flow-Rite Controls, Ltd. Fluid flow indicator. 4,819,577, 4-11-89, Cl. 116-264.000.
- Campau, Daniel N., to Flow-Rite Controls, Ltd. System for filling a baitwell in a fishing boat. 4,832,073, 5-23-89, Cl. 137-110.000.
- Campau, Daniel N., to Flow-Rite Controls, Ltd. Apparatus for aerating water in a container. 4,865,776, 9-12-89, Cl. 261-36.100.
- Campau, Gregory P.: *See—*
  - Burgess, Roy T.; Campau, Gregory P.; Claar, Leslie M.; Hodges, Robert C.; Snow, Douglas G.; and Taylor, Roy, 4,862,789, Cl. 92-12.200.
- Campbell, Adrian D.; and Rank, William E., to General Motor Corporation. Slider for window regulator arm. 4,882,805, 11-28-89, Cl. 16-93.00R.
- Campbell, Alan J.: *See—*
  - Floro, William E.; Luboski, Mark; Murphy, Timothy J.; and Campbell, Alan J., 4,809,217, Cl. 364-900.000.
- Campbell, Alan S.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, to International Business Machines Corporation. Thermal drop-on-demand ink jet print head. 4,870,433, 9-26-89, Cl. 346-140.00R.
- Campbell, Arthur L.; and Miyano, Masateru, to G. D. Searle & Co. Kojic acid ether-ester derivatives. 4,812,474, 3-14-89, Cl. 514-460.000.
- Campbell, Barrie M.; and Spooner, Dennis, to Walter Lawrence Manufacturing Limited. Serrated-edge knives. 4,823,467, 4-25-89, Cl. 30-355.000.
- Campbell, Brian; Foreman, Craig; and Vierboom, Peter, to University of Sydney, The. Pulverized fuel burner. 4,862,814, 9-5-89, Cl. 110-264.000.
- Campbell, Brian: *See—*
  - Smith, Gerald J.; Trask, Elwood G.; Ellis, Paul; Johnston, Jon; Campbell, Brian; and Rorie, Leon, 4,888,234, Cl. 428-234.000.
- Campbell, Brian D. Scraping, collecting & eluting apparatus for thin layer chromatography and method for its use. 4,863,610, 9-5-89, Cl. 210-658.000.
- Campbell, Bruce D., to Raychem Corp. Optical fiber cable marker. 4,822,134, 4-18-89, Cl. 350-96.230.
- Campbell, Bruce D.; Triplett, James T.; and Tylor, Richard E., to Raychem Corp. Optical fiber coupler. 4,834,482, 5-30-89, Cl. 350-96.150.
- Campbell, Bruce D.; and Zucker, Joseph, to Raychem Corporation. Optical fiber distribution network including non-destructive taps and method of using same. 4,856,864, 8-15-89, Cl. 350-96.160.
- Campbell, Bruce D.: *See—*
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  - Levinson, Frank H.; Lavelle, Steve; Giles, Thomas E.; Zucker, Joseph; and Campbell, Bruce D., 4,815,805, Cl. 350-96.160.
  - Zucker, Joseph; Shen, Nelson M.; Campbell, Bruce D.; Rodhe, Peder; and Call, Tom, 4,889,403, Cl. 350-96.150.
- Campbell, Bruce L.: *See—*
  - Salesky, William J.; and Campbell, Bruce L., 4,811,801, Cl. 175-329.000.
- Campbell, Carl M.: *See—*
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- Campbell, Carl M., Jr.: *See—*
  - Boggan, Elvis W.; and Campbell, Carl M., Jr., 4,822,985, Cl. 235-380.000.
- Campbell, Charles: *See—*
  - Halpern, Gregory; Campbell, Charles; Beavers, Ellington M.; and Cheh, Huk Y., 4,801,475, Cl. 427-338.000.
- Campbell, Charles E.: *See—*
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- Campbell, Charles M.: *See—*
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- Campbell, Christopher J., to Philip Morris Incorporated. Cigarette box innerframe. 4,850,482, 7-25-89, Cl. 206-273.000.
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- Campbell, Curtis B., to Chevron Research Company. Synergistic fuel compositions. 4,877,416, 10-31-89, Cl. 44-62.000.
- Campbell, Cynthia J. Apparatus for aiding in learning correct penmanship. 4,846,710, 7-11-89, Cl. 434-166.000.
- Campbell, Daniel: *See—*
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  - Benkara, Ferial; and Campbell, Daniel, 4,797,846, Cl. 364-724.170.
- Campbell, David C.: *See—*
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- Campbell, Dean D.: *See—*
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- Campbell, Donald H.; and Evarts, Gerald L., to Occidental Chemical Corporation. Resistance welding of galvanized steel. 4,889,773, 12-26-89, Cl. 428-552.000.
- Campbell, Donald N.: *See—*
  - Vora, Kishore N.; Campbell, Donald N.; Davis, Robert C., Jr.; Spangler, Glenn E.; and Reategui, Julio A., 4,839,143, Cl. 422-98.000.
- Campbell, Douglas C., to Dawasue Industries Limited. Pipeline packer. 4,854,384, 8-8-89, Cl. 166-122.000.
- Campbell, Edward M.; and Rosen, Mordecai D., to United States of America, Energy. Density gradient free electron collisionally excited X-ray laser. 4,827,479, 5-2-89, Cl. 372-5.000.
- Campbell, Edward N.; and Worley, Garald D., to Dana Corporation. Hand tool having multiple end pieces for assembling disassembling constant velocity joints. 4,868,966, 9-26-89, Cl. 29-270.000.

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Campbell, Erwin D. Portable miter guide device for portable power saws. 4,840,097, 6-20-89, Cl. 83-829.000.
Campbell, Frank, Jr., to Cameron Forge Company. Walking beam furnace insulation. 4,838,785, 6-13-89, Cl. 432-121.000.
Campbell, Frank J. Door hook. 4,817,239, 4-4-89, Cl. 16-114.00R.
Campbell, Frederick; Geary, John M.; and Schofield, John D., to Imperial Chemical Industries PLC. Composition. 4,861,380, 8-29-89, Cl. 106-504.000.
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Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; and Dodson, Stuart A., to Rorer Pharmaceutical Corporation. Bicyclic nitrogen heterocyclic ethers and thioethers, and their pharmaceutical uses. 4,847,264, 7-11-89, Cl. 514-300.000.
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Decktor, Dennis L.; Fitzpatrick, Leo R.; and Campbell, Henry F., 4,831,040, Cl. 514-291.000.
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Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Dodson, Stuart A.; Galemmo, Robert A., Jr.; and Durham, Pamela J., 4,816,583, Cl. 544-7.000.
Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; and Molino, Bruce F., 4,818,755, Cl. 514-228.200.
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Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Faith, William C.; and Molino, Bruce F., 4,868,300, Cl. 544-119.000.
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Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; and Kuhla, Donald E., 4,829,066, Cl. 514-230.500.
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Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,857,517, Cl. 514-161.000.
Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,859,683, Cl. 514-299.000.
Youssefyeh, Raymond D.; Campbell, Henry F.; and Kuhla, Donald E., 4,863,921, Cl. 514-230.500.
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Skidmore, Ian F.; Finch, Harry; Naylor, Alan; Lunts, Lawrence H. C.; and Campbell, Ian B., 4,853,382, Cl. 514-212.000.
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Campbell, Jeptha E., to Spiral Systems, Inc. Asbestos sample filter clearing system. 4,876,901, 10-31-89, Cl. 73-863.000.
Campbell, Joe B. Wheel liner assembly. 4,881,783, 11-21-89, Cl. 301-37.00S.
Campbell, John: *See—*
Bailey, Thomas F.; and Campbell, John, 4,865,137, Cl. 175-269.000.
Campbell, John G.; Schoeneberger, Carl F.; Bundens, Allan B.; Fogle, Richard M.; and Lemburg, John R., to General Instrument Corporation. Addressable cable television control system with video format data transmission. 4,862,268, 8-29-89, Cl. 358-141.000.
Campbell, John G.; and Thompson, Allan, to Hollingsworth U.K. Ltd. Friction spinning unit and method of operating same. 4,884,394, 12-5-89, Cl. 57-264.000.
Campbell, John H.: *See—*
Powell, Howard T.; Riley, Michael O.; Wolfe, Charles R.; Lyon, Richard E.; Campbell, John H.; Jessop, Edward S.; and Murray, James E., 4,849,036, Cl. 156-99.000.
Campbell, John M. Convertible sidecar/trailer. 4,819,956, 4-11-89, Cl. 280-203.000.
Campbell, John R.; Williams, Robert E., Jr.; Brown, Sterling B.; Conroy, Paul M.; and Florence, Robert A., to General Electric Company. Polymer blends containing ionomeric elastomers. 4,840,982, 6-20-89, Cl. 524-151.000.
Campbell, John R.: *See—*
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Campbell, John S.; Baker, Brian N.; and Katyal, Anil, to Tam Ceramics, Inc. Process for the production of zirconium tetrachloride from dissociated zircon. 4,840,774, 6-20-89, Cl. 423-79.000.
Campbell, John S.: *See—*
Hellekson, Ronald A.; Acosta, Jorge L.; and Campbell, John S., 4,799,164, Cl. 235-467.000.
Hellekson, Ronald A.; Campbell, John S.; and Acosta, Jorge L., 4,861,973, Cl. 235-467.000.
Campbell, John W.: *See—*
McGahee, Welbourne D.; and Campbell, John W., 4,862,628, Cl. 43-42.240.
McGahee, Welbourne D.; and Campbell, John W., 4,873,783, Cl. 43-42.240.
Campbell, Jonathan. Automatically expanding protective cover. 4,856,436, 8-15-89, Cl. 109-1.00R.
Campbell, Jonathan L., to Dukovic, Adam; Cota, Albert O.; and Sardie, Lyle. Energy generator. 4,831,627, 5-16-89, Cl. 372-37.000.
Campbell, Joseph O.: *See—*
Pisipati, Ramesh M.; and Campbell, Joseph O., 4,870,131, Cl. 525-74.000.
Campbell, Ken L. Clip track device for securing flexible sheets. 4,799,299, 1-24-89, Cl. 24-462.000.
Campbell, Kenneth J. Selectively movable protective molding and methods of constructing and utilizing same. 4,815,777, 3-28-89, Cl. 293-107.000.
Campbell, Lyall J., to Camryde Industries Limited. Tipping trays. 4,889,390, 12-26-89, Cl. 298-5.000.
Campbell, Mark E. Method and apparatus for installing a cellular telephone in a vehicle. 4,850,034, 7-18-89, Cl. 455-74.000.
Campbell, Mark L.: *See—*
Wolford, Dale E.; Makowski, Frank D.; Campbell, Mark L.; and Austen, Michael T., 4,844,701, Cl. 417-234.000.
Campbell, Marvin J. Ground clamp for coaxial cable junction block. 4,875,864, 10-24-89, Cl. 439-100.000.
Campbell, Michael J., to Union Carbide Corporation. Turndown control method for membrane separation systems. 4,806,132, 2-21-89, Cl. 55-16.000.
Campbell, Michael J.; Smolarek, James; and Pietruszewski, John J., to Union Carbide Corporation. Oxygen enriched air system. 4,867,766, 9-19-89, Cl. 55-161.000.
Campbell, Michael L.; Williams, Benjamin G.; Riffle, Rob G.; and Biggerstaff, Charles E., to W. L. Gore & Associates, Inc. Apparatus and method for extruding and expanding polytetrafluoroethylene tubing and the products produced thereby. 4,876,051, 10-24-89, Cl. 264-127.000.
Campbell, Michael L.: *See—*
Meyer, Richard S.; Root, Jeffrey M.; Campbell, Michael L.; and Winter, Daryl B., 4,840,815, Cl. 426-611.000.
Campbell, Monty A. Exhaust system. 4,800,719, 1-31-89, Cl. 60-313.000.
Campbell, Myrna. Medical tube securing device. 4,799,923, 1-24-89, Cl. 604-179.000.
Campbell, Neil A.: *See—*
McClean, James H.; Campbell, Neil A.; and Reid, Iain M., 4,881,177, Cl. 364-513.000.
Campbell, Neil F., to Wiggins Teape Group Limited, The. Method and apparatus for measuring water content. 4,840,706, 6-20-89, Cl. 162-198.000.
Campbell, Patricia S.; Enscore, David J.; Gale, Robert M.; and Kaufman, Arnold, to Alza Corporation. Method for preventing the formation of a crystalline hydrate in a dispersion of a liquid in a monaqueous matrix. 4,832,953, 5-23-89, Cl. 424-448.000.
Campbell, Patricia S.; Eckenhoff, James B.; and Place, Virgil A., to ALZA Corporation. Transdermal drug delivery device. 4,867,992, 9-19-89, Cl. 424-449.000.
Campbell, Patricia S.: *See—*
Nedberge, Diane E.; Campbell, Patricia S.; Gale, Robert M.; and Yum, Su I., 4,816,258, Cl. 424-448.000.
Campbell, Patrick K.: *See—*
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Campbell, Paul G.: *See—*
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Campbell, Richard G.: *See—*
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Campbell, Richard W.; and Kimbel, Kirk L., to General Electric Company. Flame resistant electrical insulating material. 4,824,723, 4-25-89, Cl. 428-332.000.
Campbell, Robert B.; and Landau, Paul. Shoe display and storage device. 4,795,029, 1-3-89, Cl. 206-278.000.
Campbell, Robert B., to Eastman Kodak Company. Antistatic layer for dye-receiving element used in thermal dye transfer. 4,814,321, 3-21-89, Cl. 503-227.000.
Campbell, Roy; Green, Andrew P.; Price, Anthony G.; and Parry, David, to Lucas Industries public limited company. Self-energizing disc brakes. 4,862,998, 9-5-89, Cl. 188-71.600.
Campbell, Roy; Price, Anthony G.; and Green, Andrew P., to Lucas Industries public limited company. Vehicle disc brakes of the liquid cooled type. 4,865,168, 9-12-89, Cl. 188-264.00P.
Campbell, Roy; Price, Anthony G.; and Green, Andrew P., to Lucas Industries public limited company. Vehicle disc brakes of the liquid cooled type. 4,883,149, 11-28-89, Cl. 188-264.00E.
Campbell, Roy; and Price, Anthony G., to Lucas Industries Public Limited Company. Pressure cylinder. 4,884,494, 12-5-89, Cl. 92-129.000.
Campbell, Roy: *See—*
Price, Anthony G.; Campbell, Roy; and Henson, Eric, 4,796,730, Cl. 188-71.600.
Price, Anthony G.; and Campbell, Roy, 4,809,588, Cl. 92-23.000.
Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., to Elcor Corporation. Hydrocarbon gas processing. 4,854,955, 8-8-89, Cl. 62-24.000.
Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., to Elcor Corporation. Hydrocarbon gas processing. 4,869,740, 9-26-89, Cl. 62-24.000.
Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., to Elcor Corporation. Hydrocarbon gas processing. 4,889,545, 12-26-89, Cl. 62-24.000.
Campbell, Sanford F. Pool sweep bag. 4,856,913, 8-15-89, Cl. 383-42.000.
Campbell, Simon F.; Humphrey, Michael J.; and Stobie, Alan, to Pfizer Inc. Dihydropyridines and use thereof in treating hypertension and ischaemia. 4,806,557, 2-21-89, Cl. 514-356.000.
Campbell, Simon F.; and Roberts, David A., to Pfizer Inc. Precursors to quinolone inotropic agents. 4,837,334, 6-6-89, Cl. 548-346.000.
Campbell Soup Company: *See—*
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Campbell, Stanley D. Step layout device. 4,833,791, 5-30-89, Cl. 33-562.000.
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Campbell, Stephen M.; and Wozny, John C., to Borg-Warner Chemicals, Inc. Process and composition for stabilization of ar-brominated styrenic monmer against premature stabilization. 4,885,413, 12-5-89, Cl. 570-104.000.
Campbell, Stephen N.; and Thurnheer, John U., to Tc Bagel Cutter, Inc. Bagel slicer. 4,807,505, 2-28-89, Cl. 83-454.000.
Campbell, Steven M., to U.S. Divers Company, Inc. Breathing mouthpiece for contacting upper palate and lower jaw of user's mouth. 4,862,903, 9-5-89, Cl. 128-861.000.
Campbell, Terry: *See—*
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Campbell, William H.; and Hilty, Terrence K., to Dow Corning Corporation. Process for the chlorodephenylation of phenyldisilanes. 4,855,471, 8-8-89, Cl. 556-430.000.
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Campbell, Winston; Bowden, Wade R., Jr.; and Levin, Emma, to Slater Electric Inc. Electrical switch device with non-metallic mounting straps and automatic grounding. 4,865,556, 9-12-89, Cl. 439-97.000.
Campestrini, Sandro; Di Furia, Fulvio; Modena, Giorgio; and Pasquato, Lucia, to Interox (Societe Anonyme). Process for the production of aldehyde or ketone compounds and aldehydes and ketones obtained by means of this process. 4,859,799, 8-22-89, Cl. 568-430.000.
Campian, Jon R., to Modern Body and Engineering Corp. Method for imputting data to a computer aided design system. 4,849,911, 7-18-89, Cl. 364-521.000.
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d'Avitaya, Francois A.; and Campidelli, Yves, 4,847,216, Cl. 437-105.000.
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Campion, Neil P.; Foty, Michael J.; and Novak, Richard P., to Progressive Security Products, Inc. Method and apparatus for conversion of doorknob lock sets. 4,876,783, 10-31-89, Cl. 29-401.100.
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Campo, James A.; Sutherland, Jeffrey W.; and Krill, Carl E., III, to Telxon Corporation. Encoding and decoding system for electronic data communication system. 4,817,115, 3-28-89, Cl. 375-22.000.
Campolmi, Stefano: *See—*
Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., 4,795,838, Cl. 570-184.000.
Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., 4,816,608, Cl. 570-184.000.
Campon Pardo, Julio: *See—*
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Camryde Industries Limited: *See—*
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Cecco, Valentino S.; McIlquham, Richard; and Sharp, F. Leonard, 4,808,927, Cl. 324-220.000.
Canada, Her Majesty the Queen in right of: *See—*
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Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence: *See—*
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Inkol, Robert J., 4,859,985, Cl. 340-146.200.
Liberman, Thomas, 4,841,865, Cl. 102-334.000.
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Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence of Her Majesty's Canadian Government: *See—*
Nguyen, Dat T.; Veinot, Dwight E.; and Foster, James, 4,888,057, Cl. 106-18.120.
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Canada, Larry J., to Sekine Corporation. Brush device containing carrier media. 4,875,792, 10-24-89, Cl. 401-283.000.

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Canada Packers Inc.: *See—*
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Canadian Astronautics Limited: *See—*
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Canadian Corporate Management Company Limited: *See—*
Woodward, Steven J., 4,821,215, Cl. 364-550.000.
Woodward, Steven J., 4,831,565, Cl. 364-571.010.
Canadian Gas Research Institute: *See—*
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Canadian Industrial Innovation Centre/Waterloo: *See—*
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Canadian Liquid Air Ltd.: *See—*
Garrido, Guillermo F.; Lee, Robert G. H.; and Francois, Olivier, 4,854,972, Cl. 106-437.000.
Lee, Robert; Hornsey, Derek; Garrido, Guillermo; and Dieguez, Jose M., 4,860,827, Cl. 166-261.000.
Canadian Liquid Air Ltd./Air Liquide Canada Ltee: *See—*
Garrido, Guillermo F.; Lee, Robert G. H.; Hornsey, Derek; and Dieguez, Jose M., 4,823,710, Cl. 110-234.000.
Canadian Occidental Petroleum Ltd.: *See—*
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Canadian Patents and Development Limited: *See—*
Bamji, Soli S.; Bulinski, Aleksander T.; and Densley, John, 4,870,121, Cl. 524-91.000.
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Blais, Francois, 4,800,271, Cl. 250-235.000.
Bundle, David R.; Perry, Malcolm B.; Cherwonogrodzky, John W.; Duncan, J. Robert; and Caroff, Martine G., 4,831,126, Cl. 536-53.000.
Cielo, Paolo; Krapez, Jean-Claude; Cole, Kenneth C.; and Vaudreuil, Ghislain, 4,874,948, Cl. 250-341.000.
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De Freitas, Anthony S. W.; McCulloch, Archibald W.; and McInnes, Alister G., 4,885,149, Cl. 423-339.000.
de Silva, K. Nimalasiri; and Guevremont, Roger, 4,836,039, Cl. 73-864.810.
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Farmer, David M.; and Verrall, Jane A., 4,800,541, Cl. 367-424.000.
Farmer, David M.; and Huston, R. Del, 4,872,146, Cl. 367-87.000.
Farnand, Brian; Matsuura, Takeshi; and Sourirajan, Srinivasa, 4,814,084, Cl. 210-500.290.
Farnand, J. Redmond, 4,888,108, Cl. 208-424.000.
Garton, Andrew; and McLean, Paul D., 4,851,484, Cl. 525-504.000.
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Kotyk, Wayne M.; Kirk, Thomas G.; Wilson, Robert J.; and Wilson, James N., 4,825,146, Cl. 324-58.50B.
Lee, Tsung T.; and Starratt, Alvin N., 4,808,208, Cl. 71-86.000.
Majid, Abdul; Clancy, Vincent P.; and Sparks, Bryan D., 4,867,755, Cl. 44-604.000.
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Mikhlin, Josef A.; Capes, C. Edward; Divanji, Haresh S.; and Coleman, Richard D., 4,874,393, Cl. 44-20.000.
Morrall, Robin A. A.; Turkington, T. K.; Gugel, Richard K.; and Rude, Sheldon V., 4,837,146, Cl. 435-34.000.
Murray, William D., Duff, Sheldon J. B.; and Lanthier, Patricia H., 4,871,669, Cl. 435-147.000.
Narang, Saran A.; Goodchild, John; and Bukhari, Ahmad I., deceased, 4,830,965, Cl. 435-172.300.
Normandin, Richard J. F., 4,867,515, Cl. 350-96.130.
Ploeg, Jozinus; and Jamieson, Wayne W., 4,836,709, Cl. 405-31.000.
Powell, Ian, 4,826,299, Cl. 350-432.000.
Richards, Dennis L.; and Melling, Humfrey, 4,846,004, Cl. 73-864.630.
Scott, Donald S.; and Piskorz, Jan, 4,880,473, Cl. 127-37.000.
So, Eddy, 4,795,969, Cl. 324-74.000.
So, Eddy, 4,833,401, Cl. 324-142.000.
Tsezos, Marios; and Noh, Soo H., 4,828,882, Cl. 427-213.000.
Watts, Kenneth C.; Russell, Leslie T.; and Jollimore, Gregory R., 4,843,847, Cl. 73-598.000.
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Canadian Patents and Development Limited/Societe Canadienne des Brevets et d'Exploitation Limitee: *See—*
Adams, Glenn N.; and Beekenkamp, Gerald, 4,855,555, Cl. 219-10.55F.
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Bussiere, Jean F.; Lord, Martin; and Monchalin, Jean-Pierre, 4,820,981, Cl. 324-222.000.
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Dallaire, Serge, 4,824,733, Cl. 428-551.000.
Inculet, Ion I.; and Quigley, Robert M., 4,808,849, Cl. 307-400.000.
Kirchnerova, Jitka; Skeaff, James M.; and Bale, Christopher W., 4,842,698, Cl. 204-1.00T.
Langford, Cooper H.; Mak, Mark K. S.; and Crouch, Andrew M., 4,806,514, Cl. 502-159.000.
Macikunas, Arunas; Haykin, Simon; and Greenlay, Terrence, 4,843,396, Cl. 342-7.000.
Miljanic, Petar N.; and Moore, William J. M., 4,841,236, Cl. 324-127.000.
Miljanic, Petar N., 4,884,038, Cl. 330-165.000.
Moon, Kwang S.; and Sirois, Louis L., 4,845,040, Cl. 436-120.000.
Nadeau, Francois; and Braeuel, Michael T., 4,811,605, Cl. 73-645.000.
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Canadiana Outdoor Products Inc.: *See—*
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Canale, Jon S.: *See—*
Vandemotter, Patrick J.; Hutchins, Merlyn L.; Canale, Jon S.; and Koyan, Kenneth R., 4,837,552, Cl. 340-461.000.
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Fernandez, Jorge D., 4,817,153, Cl. 381-26.000.
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Canaris, Valerie M., to McGean-Rohco, Inc. Acid zinc-nickel plating baths and methods for electrodepositing bright and ductile zinc-nickel alloys and additive composition therefor. 4,832,802, 5-23-89, Cl. 204-44.200.
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Leclercq, Joseph; and Canat, Jean-Noel, 4,828,792, Cl. 376-364.000.
Canaud, Michel; and Dewitte, Philippe, to Saint-Gobain Vitrage. Multiple glazing, method for obtaining same and device for using said method. 4,822,649, 4-18-89, Cl. 428-34.000.
Canaud, Michel; and Dewitte, Philippe, to Saint-Gobain Vitrage. Pumping of high viscosity materials. 4,875,833, 10-24-89, Cl. 417-259.000.
Cance, William G.; Davie, Joseph M.; Wells, Samuel A., Jr.; Dilley, William G.; Welch, Michael J.; and Morrissey, Jeremiah J., IV, to Washington University School of Medicine. Monoclonal antibodies and cell lines for parathyroid tissue-specific antigen parathyroid-specific. 4,864,020, 9-5-89, Cl. 530-387.000.
Cancer Biologics, Inc.: *See—*
Epstein, Alan L.; and Taylor, Clive R., 4,861,581, Cl. 424-1.100.
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Sephton, Robert G., 4,868,399, Cl. 250-483.100.
Candau, Sauveur; Leroy, Maurice; Brunette, Jean-Pierre; Mallo, Paul; Loret, Jean-Francois; and Waton, Gilles, to Societe Chimique des Charbonnages S.A. Process for the extraction of cations and application thereof to the treatment of aqueous effluents. 4,876,036, 10-24-89, Cl. 252-637.000.
Candea, Cornell, to Chrysler Motors Corporation. Gasket handling device. 4,807,335, 2-28-89, Cl. 24-453.000.
Candela Laser Corporation: *See—*
Bees, George L., 4,811,188, Cl. 363-28.000.
Cho, George; and Furumoto, Horace, 4,802,461, Cl. 128-7.000.
Furumoto, Horace, 4,829,262, Cl. 330-4.300.
Candelas, Rodrigo A. Carousel portable pantry. 4,796,960, 1-10-89, Cl. 312-305.000.
Candelori, David J.: *See—*
Schwarz, Frederick M.; and Candelori, David J., 4,869,640, Cl. 415-115.000.
Candland, Calvin T., to Honeywell Inc. Temperature compensating variable stroke projectile positioning system. 4,870,886, 10-3-89, Cl. 89-7.000.
Candle, Richard D.; and Schisler, Robert C., to Goodyear Tire & Rubber Company, The. Method of manufacturing a fluid actuator for brakes and clutches. 4,857,253, 8-15-89, Cl. 264-130.000.
Candor, James T. Apparatus and method for removing liquid from liquid bearing material. 4,877,503, 10-31-89, Cl. 204-182.100.
Candow, A. J. Golf bag cart wheel cleaner. 4,841,591, 6-27-89, Cl. 15-160.000.
Candy, Bruce H., to Minelab Electronic Industries Ltd. Metal detector sensing head with reduced eddy current coils. 4,890,064, 12-26-89, Cl. 324-329.000.
Candy Mfg. Co., Inc.: *See—*
Hendershot, Robert V.; and Nelson, Bertel S., 4,832,658, Cl. 464-160.000.
Nelson, Bertel S., 4,832,659, Cl. 464-178.000.
Cane, Michael R.; and Groves, Michael H., to Imperial Chemical Industries plc. Paint shaker. 4,842,415, 6-27-89, Cl. 366-110.000.
Cane, Michael R.: *See—*
Groves, Michael H.; Redshaw, Digby R.; and Cane, Michael R., 4,798,287, Cl. 206-219.000.
Groves, Michael H.; Redshaw, Digby R.; and Cane, Michael R., 4,821,875, Cl. 206-219.000.
Canela, Heriberto. Scalp massager. 4,807,604, 2-28-89, Cl. 128-66.000.
Canestaro, Michael J.; and Summa, William J., to International Business Machines Corporation. Flexible electrical connection and method of making same. 4,873,123, 10-10-89, Cl. 427-96.000.
Canevazzi, Giuliano; and Spina, Paul, to Videocolor. Method for the mounting of a shadow mask in a trichromatic cathode tube and cathode tube comprising a shadow mask mounted according to this method. 4,887,988, 12-19-89, Cl. 445-37.000.

Caney, Steven: *See—*
Schwab, Leonard M.; and Caney, Steven, 4,885,824, Cl. 24-17.00B.
Canfield, Craig J.; Heiffer, Melvin H.; and Korte, Don W., Jr., to United States of America, Army. Method for inducing protection in an animal against cyanide poisoning using 8-aminoquinolines. 4,808,598, 2-28-89, Cl. 514-312.000.
Canfield, Glenn. Deoxidizing agent. 4,801,328, 1-31-89, Cl. 75-58.000.
Canfield, Glenn. Method of deoxidizing molten ferrous metals. 4,875,934, 10-24-89, Cl. 75-58.000.
Canfield, Kenneth A.: *See—*
Frank, Gregory R.; Canfield, Kenneth A.; and Wright, Thomas R., 4,837,187, Cl. 501-127.000.
Canfield, Robert E.; Armstrong, Elmo G.; Ehrlich, Paul H.; and Birken, Steven, to Columbia University in the City of New York, The Trustees of. Immunoassay for human chorionic gonadotropin. 4,851,356, 7-25-89, Cl. 436-510.000.
Canfield, Ronald P.; and Hagel, Richard C. Deck construction. 4,823,529, 4-25-89, Cl. 52-263.000.
Cang, John N.; Gast, Joseph R.; Hensley, John J.; and Waldhelm, Christian M., to Solar Turbines Incorporated. Turbine blade top clearance control system. 4,874,290, 10-17-89, Cl. 415-173.400.
Cangiani, Gene L.; and Madiwale, Appasaheb N., to Lockheed Electronics Co., Inc. Three-dimensional electro-optical tracker. 4,855,932, 8-8-89, Cl. 364-516.000.
Cangro, Ronald A.: *See—*
Raycher, Robert J.; Cangro, Ronald A.; Gum, Charles E.; Macinskas, Dean P.; and Williams, Francis J., 4,804,811, Cl. 219-98.000.
Canipe, Michael R., to Fasco Controls Corporation. Combination brake and/or clutch pedal operated switch mechanism. 4,853,502, 8-1-89, Cl. 200-61.890.
Canivenc, Edith: *See—*
Gay, Michel; and Canivenc, Edith, 4,808,649, Cl. 524-264.000.
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Cann, Gordon L., to Technion, Inc. Performance improvements in thruster assembly. 4,825,647, 5-2-89, Cl. 60-203.100.
Cann, Kevin J.; Chen, Michael W.; and Karol, Frederick J., to Union Carbidae Corporation. Process for simultaneously dimerizing ethylene and copolymerizing ethylene with the dimerized product. 4,861,846, 8-29-89, Cl. 526-75.000.
Cann, Kevin J.: *See—*
Kao, Sun-Chueh; Cann, Kevin J.; Karol, Frederick J.; Marcinkowsky, Arthur E.; Goode, Mark G.; and Theobald, Eugene H., 4,845,067, Cl. 502-119.000.
Cann, Robert J., to Coal Industry (Patents) Limited. Conveyor belt clamp. 4,887,336, 12-19-89, Cl. 24-37.000.
Cann, Roger S., to Behr Industrial Equipment Inc. Electrostatic painting apparatus having optically sensed flow meter. 4,878,454, 11-7-89, Cl. 118-663.000.
Cannady, John P.: *See—*
Reedy, Philip E., Jr.; and Cannady, John P., 4,828,663, Cl. 204-157.640.
Cannan, Thomas R., to UOP. Crystalline zeolite LZ-202 and process for preparing same. 4,840,779, 6-20-89, Cl. 423-328.000.
Cannan, Thomas R.: *See—*
Lok, Brent M.; Cannan, Thomas R.; and Flanigen, Edith M., 4,842,836, Cl. 423-328.000.
Cannan, William D. Release-jointed golf club. 4,856,782, 8-15-89, Cl. 273-80.00B.
Cannarsa, Michael J.; Kesling, Haven S., Jr.; Hostetler, Donald E.; Cooper, Terence A.; and Sun, Hsiang-Ning, to ARCO Chemical Technology, Inc. Polyalkylene carbonate hot melt adhesive. 4,833,036, 5-23-89, Cl. 428-412.000.
Cannarsa, Michael J.: *See—*
Hostetler, Donald E.; Cannarsa, Michael J.; Kesling, Haven S., Jr.; and Sun, Hsiang-Ning, 4,853,462, Cl. 528-494.000.
Kesling, Haven S., Jr.; Cannarsa, Michael J.; and Sun, Hsiang-Ning, 4,851,507, Cl. 528-405.000.
Cannavaro, Ronald T.: *See—*
Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., 4,810,119, Cl. 400-241.100.
Cannell, David W.: *See—*
Mathews, Roger A.; and Cannell, David W., 4,814,351, Cl. 514-566.000.
Mathews, Roger A.; Moore, Edward R.; and Cannell, David W., 4,816,246, Cl. 424-72.000.
Mathews, Roger A.; Moore, Edward R.; and Cannell, David W., 4,840,791, Cl. 424-71.000.
Cannella, Alexander. Hand protector with gripping means. 4,807,302, 2-28-89, Cl. 2-16.000.
Cannella, Vincent D., to Ovonic Imaging Systems, Inc. Continuous dry etching system. 4,889,609, 12-26-89, Cl. 204-298.000.
Cannella, Vincent D.: *See—*
Johnson, Robert R.; Cannella, Vincent D.; and Yaniv, Zvi, 4,868,616, Cl. 357-17.000.
Yaniv, Zvi; Catchpole, Clive; Cannella, Vincent D.; McGill, John C.; Prewarski, Mike; and Mulberger, Ronald G., 4,827,084, Cl. 178-18.000.
Yaniv, Zvi; Cannella, Vincent D.; and McGill, John, 4,868,664, Cl. 358-213.130.
Canning, Laura F.: *See—*
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Nowotnik, David P.; and Canning, Lewis R., 4,818,813, Cl. 534-14.000.
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Cannon Denshi Kabushiki Kaisha: *See—*
Seki, Mitsuaki; Watanabe, Satoshi; and Miyakawa, Hideaki, 4,881,833, Cl. 400-185.000.
Cannon, Donald M., to GTE Products Corporation. Lamp base. 4,854,888, 8-8-89, Cl. 439-236.000.
Cannon, Donald M., to GTE Products Corporation. Lamp base. 4,878,854, 11-7-89, Cl. 439-236.000.
Cannon, Howard I.: *See—*
Holloway, John T.; Moon, David A.; Cannon, Howard I.; Knight, Thomas F.; Edwards, Bruce E.; and Weinreb, Daniel L., 4,887,235, Cl. 364-900.000.
Cannon, James W., to Eastman Kodak Company. Camera apparatus for preventing double exposure. 4,878,075, 10-31-89, Cl. 354-173.100.
Cannon Kabushiki Kaisha: *See—*
Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.
Nishikawa, Masaaki; and Shimizu, Satoshi, 4,843,480, Cl. 358-293.000.
Seki, Mitsuaki; Watanabe, Satoshi; and Miyakawa, Hideaki, 4,881,833, Cl. 400-185.000.
Sugitani, Kazunori, 4,843,570, Cl. 364-518.000.
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Cannon, Kenneth A., to Phillips Petroleum Company. Tube supports. 4,796,695, 1-10-89, Cl. 165-159.000.
Cannon, Richard K.; and Jaret, Robert S. Cassette tape holder. 4,867,310, 9-19-89, Cl. 206-387.000.
Cannon, Robert L., to Wall, Joel, a part interest. Self-actuated implantable pump. 4,813,951, 3-21-89, Cl. 604-891.100.
Cannon, Thomas C., Jr.: *See—*
Anderson, Jerry M.; Cannon, Thomas C., Jr.; and Darden, Bruce V., 4,863,235, Cl. 350-96.210.
Cannon, Thomas G.; Roemmich, Bruce D.; and Precht, Terry A., to Colorado Memory Systems, Inc. Fine head positioning system for a tape backup drive. 4,858,047, 8-15-89, Cl. 360-106.000.
Cannon USA, Inc.: *See—*
Hammer, Roy B., 4,825,999, Cl. 198-834.000.
Cannon, Wayne C.; and Barr, John T., IV, to Hewlett-Packard Company. Vector network analyzer with integral processor. 4,816,767, 3-28-89, Cl. 324-58.00R.
CannonBear, Inc.: *See—*
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Cannondale Corporation: *See—*
Graham, David, 4,808,147, Cl. 474-112.000.
Irwin, David, 4,798,318, Cl. 224-32.00R.
Cano, David L. Buoyant fishing container. 4,878,311, 11-7-89, Cl. 43-54.100.
Cano, Renne A.; Boness, Don W.; Major, Robert W.; and Valdez, Gabriel A., to American Fence Company, Inc. Barbed tape. 4,887,796, 12-19-89, Cl. 256-8.000.
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Canon Denshi Kabushiki Kaisha: *See—*
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Kato, Masahiro; and Kakuta, Yuichi, deceased, 4,881,142, Cl. 360-106.000.
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Abe, Shunichi; Ohkubo, Masaharu; Suzuki, Akio; and Takada, Yoshihiro, 4,851,923, Cl. 358-296.000.
Abe, Shunichi, 4,888,636, Cl. 358-80.000.
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Aihara, Yoshihiko, 4,829,371, Cl. 354-400.000.
Aiko, Yasuyuki, 4,864,420, Cl. 358-302.000.
Aita, Shuichi, 4,868,085, Cl. 430-126.000.
Aizawa, Takayuki, 4,849,956, Cl. 369-58.000.
Akamatsu, Takahiro; Nakazato, Hiroshi; Matsumura, Takashi; and Fukui, Kenji, 4,853,880, Cl. 364-559.000.
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Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,800,410, Cl. 354-408.000.
Akashi, Akira, 4,801,962, Cl. 354-402.000.

Akashi, Akira; and Yamada, Masanori, 4,803,507, Cl. 354-400.000.
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Akashi, Akira, 4,825,238, Cl. 354-402.000.
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Akiya, Takashi; and Hasegawa, Kenji, 4,887,097, Cl. 346-135.100.
Amano, Kenichiro; Kiuchi, Masayoshi; Harada, Yoshihito; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,849,780, Cl. 354-289.120.
Amikura, Takashi; Fujiwara, Akihiro; Toyama, Masamichi; Ueda, Kouichi; and Kozuki, Susumu, 4,876,564, Cl. 354-400.000.
Ando, Masahiro; Morita, Osamu; Kashimura, Kazunori; Sasaki, Takahide; Chikamoto, Kouichi; Takahasi, Koji; and Nagasawa, Kenichi, 4,868,924, Cl. 360-96.500.
Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,882,251, Cl. 430-57.000.
Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,886,723, Cl. 430-65.000.
Aoki, Kanemasa, 4,883,996, Cl. 310-154.000.
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Aoyagi, Masao; Suzuki, Ryuji; Kamata, Shigeru; and Yasuda, Keiichi, 4,865,432, Cl. 350-429.000.
Arai, Hitoshi, 4,811,037, Cl. 346-108.000.
Arai, Hitoshi, 4,847,695, Cl. 358-455.000.
Arai, Takashi; Kawano, Katsuo; and Okajima, Hidekazu, 4,805,991, Cl. 350-255.000.
Arai, Takashi; and Kawano, Katsuo, 4,826,424, Cl. 425-542.000.
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Arimoto, Shinobu; and Muramatsu, Masanori, 4,814,898, Cl. 358-260.000.
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Arimoto, Shinobu; and Muramatsu, Masanori, 4,884,147, Cl. 358-443.000.
Arimoto, Shinobu, 4,888,492, Cl. 250-578.000.
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Asakura, Osamu; Uchikata, Yoshio; Kawazoe, Kenji; Sukigara, Akihiko; Shibamiya, Yoshikazu; and Mizoguchi, Shigeru, 4,887,096, Cl. 346-76.0PH.
Ayata, Naoki; Saito, Seiji; Suzuki, Hidetoshi; Ozawa, Kunitaka; and Koumura, Noboru, 4,866,532, Cl. 358-443.000.
Azuma, Jun, 4,833,502, Cl. 346-160.000.
Baba, Hisatoshi; Imokawa, Naoki; and Shiho, Makoto, 4,841,407, Cl. 361-146.000.
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Baba, Takeshi; and Niwa, Yukichi, 4,872,058, Cl. 358-227.000.
Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Someya, Atsushi; and Suzuki, Masayuki, 4,872,743, Cl. 350-353.000.
Ban, Mikichi; Kakuchi, Osamu; Yamamoto, Hironori; Ohtsuka, Masaru; Shiba, Osamu; and Hara, Kazuhiko, 4,850,709, Cl. 356-352.000.
Baxter, Anthony G. W.; Bostock, Stephen B.; and Greenwood, David, 4,799,960, Cl. 106-22.000.
Chiba, Yuji; Ando, Kenji; Sugata, Masao; Sugata, Hiroyuki; Kimura, Toshiaki; and Osabe, Kuniji, 4,875,810, Cl. 406-14.000.
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Echizen, Hiroshi; Ota, Masakatsu; and Suzuki, Akiyoshi, 4,799,791, Cl. 356-121.000.
Edakubo, Hiroo; Sato, Chikara; Kozuki, Susumu; and Yoshimura, Katsuji, 4,870,510, Cl. 360-27.000.
Egami, Hidemi; Saito, Katsuo; and Satomura, Hiroshi, 4,798,997, Cl. 315-115.000.
Egara, Koichi; Mochizuki, Norihiro; Nakamura, Kenji; and Yoshinaga, Kazuo, 4,882,715, Cl. 367-140.000.
Eguchi, Masaharu; Fujiwara, Yutaka; Yamanouchi, Haruhiko; and Terashima, Jun, 4,804,331, Cl. 439-162.000.
Ehara, Toshiyuki; Ueda, Shigenori; and Yamazaki, Koji, 4,851,865, Cl. 346-160.100.
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Enari, Masahiko; Aoki, Akio; and Hosoya, Hideki, 4,811,321, Cl. 369-59.000.
Enari, Masahiko; Yamashita, Shinichi; Omata, Satoshi; Kuno, Mitsutoshi; Inoue, Hiroshi; and Osada, Yoshiyuki, 4,816,819, Cl. 340-811.000.
Enari, Masahiko; Matsuoka, Hiroshi; Aoki, Akio; and Minoura, Kazuo, 4,831,243, Cl. 235-436.000.
Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.
Enari, Masahiko; Aoki, Akio; Matsushita, Machiko; Matsuoka, Hiroshi; and Minoura, Kazuo, 4,888,753, Cl. 369-44.000.
Endo, Ichiro; Sato, Yasushi; Saito, Seiji; Nakagiri, Takashi; and Ohno, Shigeru, 4,849,774, Cl. 346-140.00R.
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Endo, Makoto; and Saito, Yoshihiro, 4,814,834, Cl. 355-14.00D.
Fujimura, Naoto; Sakai, Kiyoshi; and Okunuki, Masami, 4,835,079, Cl. 430-58.000.
Fujino, Hitoshi; Sawada, Takamasa; Kobayashi, Hiroo; Ohuchi, Osamu; Yagi, Tadashi; and Hayakawa, Yasuyoshi, 4,888,620, Cl. 355-211.000.
Fujiwara, Yutaka; and Nagano, Masatoshi, 4,864,348, Cl. 354-485.000.
Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,816,851, Cl. 354-173.100.
Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,864,336, Cl. 354-152.000.
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Fukami, Kiyoshi; Sekiguchi, Takeshi; and Ohshima, Shigeru, 4,857,997, Cl. 358-55.000.
Fukatsu, Tsutomu; Hori, Taizou; Masui, Toshiyuki; Kobayashi, Takashi; Wakui, Tetsuya; and Takahashi, Koji, 4,853,803, Cl. 360-72.200.
Fukuda, Tadaji; Hirai, Yutaka; Nakagawa, Katsumi; and Komatsu, Toshiyuki, 4,818,656, Cl. 430-65.000.
Fukuda, Tsuguhiro; Sato, Hiroshi; and Nakajima, Kazuhiro, 4,883,379, Cl. 400-697.100.
Fukuda, Tsuyoshi; Suzuki, Masayuki; and Kiuchi, Masayoshi, 4,843,420, Cl. 354-479.000.
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Fukushima, Nobuo, 4,816,937, Cl. 360-73.030.
Fukushima, Nobuo; Okino, Tadashi; and Sakai, Shinji, 4,857,95 Cl. 354-452.000.
Fukuta, Yoshihiro, 4,858,031, Cl. 358-342.000.
Funada, Masahiro, 4,809,041, Cl. 355-14.00C.
Furuya, Akira, 4,880,590, Cl. 264-275.000.
Fushimi, Ikuo; and Sakuragi, Takamasa, 4,807,009, Cl. 357-35.00
Gofuku, Ihachiro; Osada, Yoshiyuki; and Nakagawa, Katsumi, 4,886,962, Cl. 250-211.00J.
Gofuku, Ihachiro; Osada, Yoshiyuki; Nakagawa, Katsumi; Hatanaka, Katsunori; Saika, Toshihiro; and Kaifu, Noriyuki, 4,886,977, Cl. 250-578.000.
Goto, Koji; and Sakakibara, Teigo, 4,853,736, Cl. 355-210.000.
Goto, Susumu; Kumabe, Yuichi; and Okunuki, Masahiko, 4,812,662, Cl. 250-491.100.
Gotou, Hidemi; and Kimura, Shinichi, 4,804,278, Cl. 400-54.000.
Gross, Daniel; Revillet, Georges; Vasey, Francois; and Arditi, Marcel, 4,864,339, Cl. 354-202.000.
Hamano, Hiroyuki, 4,832,471, Cl. 350-427.000.
Hamasaki, Bunei, 4,801,808, Cl. 250-548.000.
Hamasaki, Bunei; Utamura, Shinji; and Nakai, Akiya, 4,811,059, Cl. 355-77.000.
Hanabusa, Tadashi, 4,879,566, Cl. 346-76.0PH.
Hanada, Shinji; and Ishihara, Takayuki, 4,847,657, Cl. 355-218.000.
Hanagata, Takayoshi; and Tazaki, Shigemitsu, 4,839,674, Cl. 346-136.000.
Handa, Yuichi; Okuda, Masahiro; and Osawa, Hiroshi, 4,887,25 Cl. 369-112.000.
Hanyu, Yukio; and Futami, Yukiko, 4,879,059, Cl. 252-299.400.
Harada, Toshiaki; and Yamamoto, Tadashi, 4,888,635, Cl. 358-75.000.
Harada, Yoshihito; Kiuchi, Masayoshi; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,868,598, Cl. 354-472.000.
Haraguchi, Shosuke; Fukahori, Hidehiko; and Ishikawa, Masanori, 4,827,296, Cl. 354-187.000.
Haranishi, Noriaki, 4,846,596, Cl. 400-692.000.
Harigaya, Isao; and Kozuki, Susumu, 4,817,887, Cl. 242-186.000.
Haruta, Masahiro; Ozawa, Kunitaka; and Hamamoto, Takashi, 4,802,989, Cl. 210-688.000.
Haruta, Masahiro; Matsuda, Hiroshi; Munakata, Hirohide; and Nishimura, Yukuo, 4,818,665, Cl. 430-494.000.
Haruta, Masahiro; Kuwae, Yoko; Munakata, Hirohide; Yuasa, Satoshi; and Sugawa, Etsuko, 4,873,178, Cl. 430-327.000.
Hasegawa, Kenji; Higuma, Masahiko; Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; and Morohoshi, Naoya, 4,832,984, Cl. 427-161.000.
Hasegawa, Masahide, 4,821,132, Cl. 360-108.000.
Hasegawa, Masahide, 4,890,165, Cl. 358-213.260.
Hashimoto, Seiji; and Suga, Akira, 4,816,910, Cl. 358-213.270.
Hashimoto, Seiji; and Harada, Tadanori, 4,876,601, Cl. 358-213.2
Hatanaka, Katsunori; Abe, Naoto; Sakamoto, Eiji; and Saika, Toshihiro, 4,829,485, Cl. 365-239.000.
Hatanaka, Katsunori; Saika, Toshihiro; Ishii, Takayuki; and Yamada, Katsuhiko, 4,857,751, Cl. 250-578.000.
Hayakawa, Kimiaki; Ueda, Noriyoshi; and Hiroi, Masakazu, 4,850,581, Cl. 271-10.000.
Hayakawa, Naoji; Takenouchi, Masanori; Nakamura, Kenji; Kato, Fumitaka; Kozato, Yasuo; and Hakamada, Isao, 4,858,062, Cl. 361-225.000.
Hayakawa, Shingo, 4,855,780, Cl. 354-432.000.

Hayakawa, Shingo; and Kiyohara, Shuichi, 4,870,443, Cl. 354-432.000.
Hieda, Teruo, 4,811,086, Cl. 358-29.000.
Hieda, Teruo, 4,814,861, Cl. 358-29.000.
Hieda, Teruo, 4,833,538, Cl. 358-182.000.
Hieda, Teruo; Kyuma, Kenji; Arai, Hideyuki; and Takei, Masahiro, 4,845,568, Cl. 358-213.310.
Hieda, Teruo, 4,860,092, Cl. 358-29.000.
Hieda, Teruo, 4,884,128, Cl. 358-29.000.
Hiraga, Ryozo; and Echizen, Hiroshi, 4,806,773, Cl. 250-548.000.
Hiramatsu, Akira; Kawabata, Takashi; Mukohjima, Hitoshi; and Washisu, Koichi, 4,829,371, Cl. 358-80.000.
Hirano, Yoshiaki; and Hieda, Teruo, 4,857,996, Cl. 358-48.000.
Hiro, Masaaki, 4,803,140, Cl. 430-58.000.
Hiro, Masaaki; and Yoshihara, Toshiyuki, 4,818,654, Cl. 430-59.000.
Hiro, Masaaki; Nakagawa, Masaru; Kawamorita, Yoichi; and Yamazaki, Koji, 4,860,898, Cl. 206-455.000.
Hiro, Masaaki; Kimura, Tomohiro; Yoshihara, Toshiyuki; Kawamorita, Yoichi; and Nakagawa, Masaru, 4,863,823, Cl. 430-58.000.
Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and Hisamura, Masafumi, 4,877,701, Cl. 430-59.000.
Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,166, Cl. 118-719.000.
Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,809, Cl. 437-4.000.
Hirooka, Masaaki; Ueki, Masao; Hanna, Junichi; and Shimizu, Isamu, 4,812,331, Cl. 427-255.100.
Hirooka, Masaaki; Ogawa, Kyosuke; Ishihara, Shunichi; and Shimizu, Isamu, 4,835,005, Cl. 427-38.000.
Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,855,210, Cl. 430-133.000.
Hirooka, Masaaki; Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, 4,869,931, Cl. 427-255.200.
Hirose, Ryusho, 4,811,055, Cl. 355-53.000.
Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; Matsuzawa, Kunihiko; and Kanekura, Kazunori, 4,873,541, Cl. 346-160.100.
Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,887,101, Cl. 346-134.000.
Hisada, Katsutoshi; Kokubu, Nobuaki; Sakurai, Shigeki; Murata, Yukio; and Okano, Tatsuo, 4,799,110, Cl. 358-261.300.
Homma, Hideo, 4,858,020, Cl. 358-287.000.
Honda, Haruhisa, 4,803,521, Cl. 355-14.00R.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,797,299, Cl. 430-65.000.
Honda, Mitsuru; Sueda, Tetsuo; Murai, Keiichi; and Ogawa, Kyosuke, 4,797,327, Cl. 428-600.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,797,336, Cl. 430-57.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,798,776, Cl. 430-39.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,808,504, Cl. 430-31.000.
Honda, Mitsuru; Murai, Keiichi; Ogawa, Kyosuke; and Koike, Atsushi, 4,834,501, Cl. 350-321.000.
Honjo, Takeshi; and Takahata, Naomi, 4,811,049, Cl. 355-14.0SH.
Honjo, Takeshi; and Takahata, Naomi, 4,817,933, Cl. 271-3.100.
Honjo, Takeshi; and Takahata, Naomi, 4,825,248, Cl. 355-14.0SH.
Honjo, Takeshi; and Sato, Shunji, 4,849,787, Cl. 355-313.000.
Honjo, Takeshi; Kitahara, Makoto; Suzuki, Yasumichi; and Takahata, Naomi, 4,866,536, Cl. 358-494.000.
Honjo, Takeshi; and Yoshida, Akimaro, 4,878,656, Cl. 270-53.000.
Honma, Toshio; Takeda, Hiroaki; and Suzuki, Tadashi, 4,821,068, Cl. 355-14.00E.
Honma, Toshio; Ikeda, Yoshinori; and Suzuki, Yasumichi, 4,847,654, Cl. 358-300.000.
Honma, Toshio; and Watanabe, Nobuyuki, 4,876,612, Cl. 358-474.000.
Hori, Taizou, 4,841,388, Cl. 360-721.000.
Horiuchi, Akihisa, 4,802,747, Cl. 350-427.000.
Horiuchi, Akihisa, 4,854,684, Cl. 350-427.000.
Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,800,482, Cl. 364-140.000.
Hosaka, Masao; Hasegawa, Shizuo; and Saito, Takashi, 4,811,047, Cl. 355-14.00E.
Hosaka, Masao; and Saito, Takashi, 4,839,699, Cl. 355-55.000.
Hosaka, Masao; Shimada, Kazutoshi; and Sakamaki, Hisashi, 4,857,960, Cl. 355-208.000.
Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,882,778, Cl. 364-187.000.
Hoshi, Hiroaki; and Kitagishi, Kozomu, 4,886,959, Cl. 250-201.000.
Hoshino, Osamu; and Chiku, Kazuyoshi, 4,803,515, Cl. 355-4.000.
Hosoi, Atsushi; and Tajima, Hatsuo, 4,838,200, Cl. 118-658.000.
Hosoya, Hideki, 4,811,316, Cl. 369-32.000.
Hosoya, Hideki, 4,821,251, Cl. 369-44.000.
Hosoya, Hideki; Aoki, Akio; and Enari, Masahiko, 4,853,920, Cl. 369-59.000.
Hotta, Yoshio; Ohnuma, Kenji; and Komura, Akihiko, 4,802,740, Cl. 350-341.000.
Hyosu, Yoshihiko; Ikeda, Takeshi; Kanda, Hitoshi; Mori, Hiromi; Kawakami, Hiroaki; and Kobayashi, Kuniko, 4,816,366, Cl. 430-137.000.
Hyosu, Yoshihiko; Hikake, Norio; and Tanaka, Katsuhiko, 4,839,255, Cl. 430-137.000.
Hyosu, Yoshihiko; Mori, Hiromi; and Imai, Eiichi, 4,845,007, Cl. 430-137.000
Ichikawa, Hiroyuki, 4,878,126, Cl. 358-451.000.
Ichikawa, Kyoko; Aoki, Makoto; and Takiguchi, Hideo, 4,855,753, Cl. 346-1.100.
Igaki, Masahiko; Rachi, Masahiro; and Maekawa, Tomohiro, 4,820,918, Cl. 250-231.0SE.
Igarashi, Masaru, 4,814,892, Cl. 358-296.000.
Iida, Noriyoshi; Uto, Nobutaka; Hiroi, Masakazu; and Hoshi, Akimitsu, 4,883,265, Cl. 271-220.000.
Iizuka, Kiyoshi; and Suzuki, Takashi, 4,795,238, Cl. 350-332.000.
Iizuka, Toshimi; and Kamata, Shigeru, 4,812,015, Cl. 350-252.000.
Ikeda, Masamichi, 4,801,966, Cl. 355-4.000.
Ikemori, Keiji, 4,826,301, Cl. 350-431.000.
Ikemori, Keiji, 4,836,661, Cl. 350-423.000.
Ikemoto, Isao; Kanemitsu, Shinji; Mizutani, Morikazu; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,809,033, Cl. 355-3.0SH.
Ikuta, Kiyoshi, 4,866,471, Cl. 354-468.000.
Imai, Kunio, 4,843,475, Cl. 358-225.000.
Imai, Nobuhiro; and Asano, Fumio, 4,887,103, Cl. 346-160.100.
Imai, Ryoichi, 4,825,065, Cl. 250-205.000.
Imataki, Hiroyuki; Hiraoka, Mizuho; Ichikawa, Sachiko; Ogawa, Yoshihiro; and Yoshino, Hitoshi, 4,871,649, Cl. 430-270.000.
Imataki, Hiroyuki; Hiraoka, Mizuho; Tamura, Tomoyuki; and Satoh, Tetsuya, 4,876,042, Cl. 264-39.000.
Ina, Hideki; and Suzuki, Akiyoshi, 4,883,359, Cl. 356-401.000.
Ina, Hideki, 4,886,974, Cl. 250-561.000.
Inaba, Ryohei; Azuma, Yusaku; and Kasai, Shozou, 4,820,114, Cl. 414-751.000.
Inaba, Yutaka; and Tamura, Yasuyuki, 4,838,652, Cl. 350-331.00R.
Inaba, Yutaka; and Taniguchi, Osamu, 4,878,740, Cl. 350-337.000.
Inoue, Eiichi; Shimizu, Isamu; and Komatsu, Toshiyuki, 4,877,709, Cl. 430-128.000.
Inoue, Hiroshi; Osada, Yoshiyuki; and Inaba, Yutaka, 4,830,467, Cl. 350-333.000.
Inoue, Hiroshi; Omata, Satoshi; Osada, Yoshiyuki; Inoue, Yutaka; Yamakawa, Tadashi; and Satomura, Hiroshi, 4,884,079, Cl. 346-1.100.
Inui, Toshiharu, 4,888,601, Cl. 346-76.0PH.
Inuma, Mutsumi; and Suzuki, Masao, 4,851,897, Cl. 358-29.000.
Inuyama, Toshihiko; Kimizuka, Junichi; Kusano, Akihisa; Sato, Kaoru; and Soya, Takashi, 4,890,288, Cl. 372-31.000.
Inuzuka, Tsuneki; Maeshima, Katsuyoshi; and Tomosada, Masahiro, 4,839,698, Cl. 355-243.000.
Ise, Makoto; and Okino, Tadashi, 4,879,600, Cl. 358-213.190.
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, 4,798,167, Cl. 118-723.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,801,468, Cl. 427-35.000.
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, 4,803,093, Cl. 427-35.000.
Ishihara, Shunichi, 4,806,386, Cl. 427-39.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,812,325, Cl. 427-69.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,818,560, Cl. 427-38.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,818,563, Cl. 427-55.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,818,564, Cl. 427-69.000.
Ishihara, Shunichi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,824,697, Cl. 427-255.200.
Ishihara, Shunichi, 4,826,778, Cl. 437-4.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,837,048, Cl. 427-69.000.
Ishihara, Shunichi, 4,839,689, Cl. 355-202.000.
Ishihara, Shunichi; Osada, Yoshiyuki; Oda, Shunri; and Shimizu, Isamu, 4,849,249, Cl. 427-38.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,853,251, Cl. 427-38.000.
Ishihara, Shunichi; Ootoshi, Hirokazu; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,885,258, Cl. 437-40.000.
Ishii, Hiroaki; Sato, Yukio; Udagawa, Yutaka; and Wataya, Masafumi, 4,821,065, Cl. 355-14.00E.
Ishikawa, Hisashi; and Yoshimura, Katsuji, 4,843,334, Cl. 329-122.000.
Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita, Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, 4,825,295, Cl. 358-254.000.
Ishikawa, Tadashi; Watanabe, Yoshitaka; and Mizoguchi, Yoshiyuki, 4,831,455, Cl. 358-229.000.
Ishikawa, Tadashi; and Kikuchi, Yutaka, 4,838,534, Cl. 271-10.000.
Ishikawa, Tadashi, 4,888,618, Cl. 355-208.000.
Ishikawa, Yasuyuki, 4,812,033, Cl. 351-208.000.
Ishikawa, Yuji, 4,864,416, Cl. 358-486.000.
Ishinaga, Hiroyuki, 4,812,062, Cl. 400-157.200.
Ishizaki, Akira; Nakamura, Yoshio; and Sugawa, Shigetoshi, 4,870,266, Cl. 250-214.0AG.
Isohata, Junji; Totsuka, Masao; and Nakamura, Yoshiharu, 4,814,830, Cl. 355-54.000.
Isohata, Junji; Matsushita, Koichi; Yamamoto, Hironori; Miyazaki, Makoto; Ozawa, Kunitaka; and Yoshinari, Hideki, 4,864,360, Cl. 355-53.000.

Isohata, Junji; Totsuka, Masao; and Nakamura, Yoshiharu, 4,878,086, Cl. 355-77.000.
Itabashi, Satoshi; Shoji, Tatsumi; and Fukaya, Masaki, 4,835,507, Cl. 338-17.000.
Ito, Kazuhiko, 4,802,015, Cl. 358-310.000.
Ito, Masahiko; Maetani, Masami; Murata, Shinji; and Onuki, Kazuhiko, 4,800,413, Cl. 355-45.000.
Ito, Yoshio, 4,823,195, Cl. 358-285.000.
Itoh, Masahiro; Murasawa, Yoshihiro; Takeda, Atsushi; Tsuchiya, Hiroaki; and Nakahata, Kimio, 4,860,048, Cl. 355-208.000.
Itoh, Yuji, 4,839,528, Cl. 250-574.000.
Itoh, Yuji; and Takahashi, Junichi, 4,856,890, Cl. 351-206.000.
Iwamoto, Kazunori, 4,854,444, Cl. 198-750.000.
Iwasaki, Akio; and Nagasawa, Kenichi, 4,841,391, Cl. 360-85.000.
Iwaya, Toshio, 4,876,570, Cl. 355-204.000.
Jinnai, Shigeru; and Sakai, Shinji, 4,884,144, Cl. 358-228.000.
Kadowaki, Hidejiro; Hosaka, Akihito; and Matsumoto, Kenichi, 4,812,900, Cl. 358-75.000.
Kai, Tomoko, 4,882,471, Cl. 235-1.00D.
Kamata, Naoko; and Fukuda, Tadaji, 4,814,248, Cl. 430-69.000.
Kamata, Shigeru; and Notagashira, Hidefumi, 4,824,207, Cl. 350-255.000.
Kameyama, Toru; and Miyagi, Ken, 4,829,217, Cl. 318-51.000.
Kan, Fumitaka; Arahara, Kohzoh; Tohyama, Noboru; Yuasa, Toshiya; and Fukumoto, Hiroshi, 4,838,940, Cl. 106-22.000.
Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko, 4,881,084, Cl. 346-1.100.
Kan, Fumitaka, deceased; Koizumi, Norihiko; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; Mishina, Shinya: and Tanioka, Hiroshi, 4,855,763, Cl. 346-160.100.
Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, 4,800,173, Cl. 37-081.000.
Kanai, Masahiro, 4,830,890, Cl. 427-255.100.
Kanai, Masahiro; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,868,014, Cl. 427-248.100.
Kanazawa, Manabu; and Odagawa, Kazuyoshi, 4,801,272, Cl. 439-153.000.
Kanda, Hitoshi; and Kato, Masayoshi, 4,802,977, Cl. 209-143.000.
Kanda, Hitoshi; and Kato, Masayoshi, 4,844,349, Cl. 241-19.000.
Kanda, Shigeto, 4,831,613, Cl. 369-109.000.
Kaneko, Masanori, 4,798,486, Cl. 400-208.000.
Kaneko, Shuzo; Toyono, Tsutomu; and Kanbe, Junichiro, 4,796,980, Cl. 350-350.00S.
Kaneko, Shuzo, 4,815,823, Cl. 350-336.000.
Kaneko, Yoshiyuki, 4,864,340, Cl. 354-266.000.
Kanemitsu, Shinji; and Ebata, Tokihide, 4,829,335, Cl. 355-211.000.
Kanno, Hideo; Yamashita, Shinichi; Omata, Satoshi; Enari, Masahiko; Kuno, Mitsutoshi; and Osada, Yoshiyuki, 4,881,066, Cl. 340-719.000.
Kasama, Nobuhiro, 4,803,752, Cl. 15-256.510.
Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, 4,841,329, Cl. 355-245.000.
Kashida, Motokazu; Masui, Toshiyuki; Fukatsu, Tsutomu; Takahashi, Koji; Takei, Masahiro; and Nagasawa, Kenichi, 4,803,570, Cl. 360-61.000.
Kashida, Motokazu; Takei, Masahiro; Takahashi, Kouji; Masui, Toshiyuki; Fukatsu, Tsutomu; and Nagasawa, Kenichi, 4,807,057, Cl. 360-32.000.
Kashida, Motokazu; Kozuki, Susumu; Takimoto, Hiroyuki; Takahashi, Kouji; and Nagasawa, Kenichi, 4,811,120, Cl. 37-5.000.
Kashida, Motokazu; and Masui, Toshiyuki, 4,875,222, Cl. 375-26.000.
Kasuya, Yukio, 4,831,415, Cl. 355-208.000.
Katagiri, Kazuharu; Shinjo, Kenji; and Yoshinaga, Kazuo, 4,816,176, Cl. 252-299.600.
Katagiri, Kazuharu; Yoshinaga, Kazuo; Okada, Shinjiro; and Kanbe, Junichiro, 4,844,597, Cl. 350-350.00S.
Kataoka, Hiroyuki; and Kumakura, Tosiyuki, 4,881,013, Cl. 315-241.00P.
Katayama, Akihiro, Ohsawa, Hidefumi; Sunohara, Izuru; Hosokawa, Hiroshi; and Yoshimoto, Masahiko, 4,878,125, Cl. 358-443.000.
Katayama, Hirohiko, 4,831,653, Cl. 381-43.000.
Kato, Hideo; Shibatya, Hirofumi; and Matsuda, Keiko, 4,804,600, Cl. 430-5.000.
Kato, Hideo; Matsushima, Masaaki; Matsuda, Keiko; and Shibata, Hirofumi, 4,837,123, Cl. 430-269.000.
Kato, Masatake; Shiraishi, Akihiko; and Kawamoto, Kenichi, 4,833,498, Cl. 354-410.000.
Kato, Masatake; Tsuji, Sadahiko; Sugiura, Muneharu; and Tanaka, Kazuo, 4,854,681, Cl. 350-427.000.
Kato, Yoshiaki, 4,814,890, Cl. 358-280.000.
Kato, Yoshiaki, 4,885,641, Cl. 358-296.000.
Kato, Yuzo; and Kawai, Yasuo, 4,857,742, Cl. 250-491.100.
Katoh, Katsunori, 4,814,893, Cl. 358-296.000.
Kawai, Hisashi; Masunaga, Makoto; Sakata, Tsuguhide; Takei, Masahiro; and Nagasawa, Kenichi, 4,851,910, Cl. 358-154.000.
Kawamura, Masaharu; Harada, Yoshihito; Kobayashi, Ryuichi; Suzuki, Masayuki; Ohara, Tsunemasa; and Tosaka, Yoichi, 4,799,074, Cl. 354-173.100.
Kawamura, Masaharu, 4,812,870, Cl. 354-412.000.
Kawamura, Masaharu; Sakurada, Nobuaki; Murakami, Hiroyasu; Shinoda, Nobuhiki; and Ito, Tadashi, 4,821,056, Cl. 354-289.100.
Kawamura, Masaharu, 4,837,596, Cl. 354-442.000.
Kawamura, Masaharu, 4,862,205, Cl. 354-412.000.
Kawamura, Naoto; and Enokida, Miyuki, 4,850,028, Cl. 382-46.000.
Kawamura, Naoto; Kitamura, Takashi; Ohta, Shinichi; and Nishigaki, Yuji, 4,864,326, Cl. 346-108.000.
Kawasaki, Keiichi; Takahashi, Kazuhisa; and Itoh, Yuji, 4,796,035, Cl. 346-108.000.
Kawasaki, Somei, 4,868,691, Cl. 360-68.000.
Kawata, Hideaki; Azuma, Yusaku; Kuroki, Kenzi; and Shigematsu Osamu, 4,844,680, Cl. 414-331.000.
Kemi, Ryuichi; Takahashi, Kazuo; and Fujita, Itaru, 4,825,247, Cl. 355-55.000.
Kikuchi, Yutaka; Nagashima, Nao; and Kiso, Junko, 4,807,044, Cl. 358-280.000.
Kimizuka, Junichi; Ushio, Yukihide; Seto, Kaoru; Hori, Kenjiro and Inuyama, Toshihiko, 4,882,782, Cl. 361-100.000.
Kimura, Hiroyuki, 4,816,852, Cl. 354-173.100.
Kimura, Takashi; Yatomi, Toshiya; and Edakubo, Hiroo, 4,873,591 Cl. 360-85.000.
Kimura, Tetsuo, 4,826,335, Cl. 400-605.000.
Kinoshita, Masahide; Tajima, Hatsuo; Hoshika, Norihisa; Tajika Hiroshi; and Hosoi, Atsushi, 4,887,131, Cl. 355-253.000.
Kinoshita, Takao; and Maeda, Masaya, 4,801,956, Cl. 354-3.000.
Kinoshita, Takao, 4,811,068, Cl. 357-24.000.
Kinoshita, Takao; and Sakai, Shinji, 4,811,105, Cl. 358-213.240.
Kinoshita, Takao; Tojo, Akihiko; and Suga, Akira, 4,870,495, Cl. 358-213.280.
Kinoshita, Takao; and Tojo, Akihiko, 4,887,160, Cl. 358-213.260.
Kishimoto, Juji, 4,811,273, Cl. 364-900.000.
Kishino, Kazuo; Tanaka, Takao; Shigenobu, Michio; Hirabayashi Hiromitsu; Hibi, Takashi; and Kusaka, Kensaku, 4,823,689, Cl. 100-155.00R.
Kitagishi, Nozomu; Nakayama, Hiroki; Suda, Shigeyuki; Hattori, Jun; and Horiuchi, Akihisa, 4,842,386, Cl. 350-427.000.
Kitagishi, Nozomu; and Yamazaki, Shoichi, 4,844,602, Cl. 350-500.000.
Kitagishi, Nozomu; and Hattori, Jun, 4,859,040, Cl. 350-413.000.
Kitahara, Makoto, 4,819,023, Cl. 355-14.0SH.
Kitajima, Tadayuki; Asakawa, Toshiyuki; Naito, Masataka; Matsuo, Kazuhiro; and Murayama, Toshiaki, 4,854,571, Cl. 271-293.000.
Kitani, Shigehisa; Sasai, Atsuyoshi; and Shimizu, Hirokuni 4,856,090, Cl. 455-607.000.
Kiyohara, Syuichi; Suzuki, Nobuyuki; and Kiuchi, Masayoshi 4,849,783, Cl. 354-442.000.
Kiyohara, Takehiko; and Terasawa, Koji, 4,819,012, Cl. 346-140.00R.
Kiyohara, Takehiko, 4,878,069, Cl. 346-140.00R.
Kiyooka, Hiroshi, 4,814,969, Cl. 364-186.000.
Kobata, Yoshihiro, 4,854,753, Cl. 400-144.200.
Kobayashi, Hiroo; Fujino, Hitoshi; Yagi, Tadashi; Adachi Nobukazu; Hayakawa, Yasuyoshi; and Setoriyama, Takeshi 4,873,548, Cl. 355-200.000.
Kobayashi, Makoto, 4,833,705, Cl. 379-93.000.
Kobayashi, Ryuichi; Harada, Yoshihito; Kawamura, Masaharu Kataoka, Hiroyuki; and Kumakura, Toshiyuki, 4,806,963, Cl. 354-415.000.
Kobayashi, Ryuichi, 4,887,117, Cl. 354-400.000.
Kobayashi, Tadashi, 4,842,956, Cl. 428-611.000.
Kobayashi, Tadashi, 4,871,614, Cl. 428-336.000.
Kohayakawa, Yoshimi; and Matsumoto, Kazuhiro, 4,820,037, Cl. 351-211.000.
Kohayakawa, Yoshimi, 4,825,873, Cl. 128-648.000.
Kohayakawa, Yoshimi, 4,826,315, Cl. 356-125.000.
Kohayakawa, Yoshimi; and Numajiri, Yasuyuki, 4,830,483, Cl. 351-221.000.
Kohno, Michio; Murakami, Eiichi; and Suzuki, Akiyoshi 4,795,911, Cl. 250-572.000.
Kohno, Michio; Ina, Hideki; and Suzuki, Akiyoshi, 4,830,499, Cl. 356-400.000.
Kohno, Michio; and Suzuki, Akiyoshi, 4,831,274, Cl. 250-563.000.
Kohno, Michio; and Suzuki, Akiyoshi, 4,865,455, Cl. 356-400.000.
Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto Toshihiko, 4,799,084, Cl. 355-14.0SH.
Koike, Shoji; Iwata, Kazuo; and Tomida, Yasuko, 4,849,770, Cl. 346-1.100.
Koike, Shoji; and Tomida, Yasuko, 4,853,036, Cl. 106-20.000.
Kokubu, Nobuaki. 4,860,110, Cl. 358-400.000.
Kokubu, Nobuaki, 4,868,758, Cl. 364-464.010.
Komatsu, Toshiyuki; Hirai, Yutaka; Nakagawa, Katsumi; and Fukuda, Tadaji, 4,830,946, Cl. 430-128.000.
Komiya, Yutaka, 4,812,910, Cl. 358-282.000.
Komuro, Hirokazu; and Ikeda, Masami, 4,873,622, Cl. 346-140.00R
Komuro, Hirokazu; and Ikeda, Masami, 4,881,318, Cl. 29-827.000
Komuro, Hirokazu, 4,889,587, Cl. 156-643.000.
Komuro, Toshihiko, 4,825,727, Cl. 74-801.000.
Kondo, Hiroatsu; Ozawa, Toshiaki; Nakajima, Hiroharu; and Ueda Hiroyuki, 4,865,476, Cl. 400-144.200.
Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi 4,801,497, Cl. 428-332.000.

Kosugi, Masao; Suzuki, Akiyoshi; Ina, Hideki; Outsuka, Kazuhito; Ogawa, Shigeki; Totsuka, Masao; and Sakai, Fumio, 4,814,829, Cl. 355-43.000.
Kosugi, Masao, 4,823,012, Cl. 250-491.100.
Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.
Koyama, Osamu, 4,803,579, Cl. 360-114.000.
Koyama, Osamu, 4,813,032, Cl. 369-13.000.
Koyama, Osamu; Uzuki, Kazuo; Shiho, Makoto; and Aoi, Shigeru, 4,853,917, Cl. 369-44.000.
Koyama, Takeshi; and Ohtaka, Keiji, 4,801,963, Cl. 354-403.000.
Koyama, Takeshi; and Ohtaka, Keiji, 4,841,326, Cl. 354-406.000.
Koyama, Takeshi; and Ohtaka, Keiji, 4,849,782, Cl. 354-408.000.
Koyama, Takeshi; Ohtaka, Keiji; and Suda, Yasuo, 4,878,078, Cl. 354-402.000.
Kozuki, Susumu; Takei, Masahiro; Masui, Toshiyuki; Hirasawa, Masahide; and Kashida, Motokazu, 4,803,684, Cl. 371-31.000.
Kozuki, Susumu; and Satoh, Keiji, 4,841,380, Cl. 360-10.200.
Kozuki, Susumu; Takahashi, Koji; Satoh, Keiji; Nagasawa, Kenichi; Edakubo, Hiroo; and Otokawa, Mitsuhiro, 4,879,609, Cl. 360-66.000.
Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-7.000.
Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,804,576, Cl. 428-216.000.
Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, 4,814,886, Cl. 358-293.000.
Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,842,944, Cl. 428-451.000.
Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,883,715, Cl. 428-421.000.
Kugioka, Michihiro, 4,857,817, Cl. 318-696.000.
Kumakura, Tosiyuki; Kataoka, Hiroyuki; and Ohmori, Kouichi, 4,808,811, Cl. 250-214.00L.
Kunishima, Toshiaki, 4,841,642, Cl. 30-303.000.
Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, 4,824,218, Cl. 350-350.00S.
Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.
Kurihara, Hitoshi; Suzuki, Kenichi; and Minoura, Kazuo, 4,825,059, Cl. 235-483.000.
Kurita, Kenji; Matsumoto, Koichi; and Nakazawa, Toshihiko, 4,825,461, Cl. 379-93.000.
Kuroki, Yoichi; and Onoda, Ruri, 4,830,500, Cl. 356-401.000.
Kushibiki, Nobuo; Nose, Noriyuki; Nakajima, Toshiyuki; Baba, Takeshi; Matsugu, Masakazu; and Niwa, Yukichi, 4,840,473, Cl. 350-484.000.
Kushibiki, Nobuo; Yoshinaga, Yoko; Taniguchi, Naosato; and Kuwayama, Tetsuro, 4,871,411, Cl. 156-249.000.
Kusumoto, Toshihiko; Kasamura, Toshirou; Okuda, Naoki; Ohashi, Masashi; Sasaki, Nobukazu; and Nada, Minoru, 4,841,336, Cl. 355-245.000.
Kuwabara, Nobuyuki; Hasegawa, Kou; Sugimura, Hideo; Nakajima, Kazuhiro; and Moriguchi, Haruhiko, 4,855,758, Cl. 346-76.0PH.
Kuwabara, Nobuyuki; Hasegawa, Ko; Watanabe, Yuichi; and Moriguchi, Haruhiko, 4,870,428, Cl. 346-76.0PH.
Losee, Ferril A., 4,809,010, Cl. 343-719.000.
Mabuchi, Minoru, 4,888,261, Cl. 430-56.000.
Madate, Haruhisa; Yano, Koichi; and Matsumura, Isao, 4,813,778, Cl. 351-208.000.
Maeda, Masaya, 4,799,205, Cl. 369-43.000.
Maeda, Masaya, 4,811,139, Cl. 360-77.020.
Maeda, Masaya, 4,833,557, Cl. 360-106.000.
Maeda, Masaya, 4,841,397, Cl. 360-105.000.
Maeda, Masaya, 4,858,046, Cl. 360-106.000.
Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, 4,872,072, Cl. 360-33.100.
Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, 4,888,651, Cl. 358-335.000.
Maeno, Hiroshi; and Tamamura, Hideo, 4,803,504, Cl. 354-64.000.
Maeno, Hiroshi; and Tamamura, Hideo, 4,811,039, Cl. 354-64.000.
Maeshima, Katsuyoshi, 4,887,163, Cl. 358-443.000.
Mamiya, Toshiharu, 4,876,558, Cl. 346-140.00R.
Maruyama, Akio; Sakakibara, Teigo; and Hashimoto, Yuichi, 4,882,257, Cl. 430-100.000.
Masaki, Yuichi, 4,869,577, Cl. 350-350.00S.
Masuda, Kazuaki, 4,875,059, Cl. 346-140.00R.
Masuda, Shunichi; Shimizu, Katsuichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,811,051, Cl. 355-14.00C.
Masui, Toshiyuki; Kashida, Motokazu; Takahashi, Koji; and Nagasawa, Kenichi, 4,878,134, Cl. 360-77.150.
Matsuda, Hiroshi; Haruta, Masahiro; Munakata, Hirohide; Tomita, Yoshinori; and Hamamoto, Takashi, 4,804,613, Cl. 430-270.000.
Matsuda, Mutsuhide; Aoyagi, Masao; Furukawa, Hiroshi; and Shimizu, Masami, 4,853,725, Cl. 354-286.000.
Matsuki, Toshio, 4,853,756, Cl. 355-71.000.
Matsumoto, Kazuhiro, 4,848,896, Cl. 351-211.000.
Matsumoto, Kentaro; Takaoka, Makoto; Fukumoto, Masami; Uda, Toyokazu; and Sugiura, Susumu, 4,860,026, Cl. 346-1.100.
Matsumoto, Kozo, 4,827,358, Cl. 358-296.000.
Matsumoto, Masakazu; Takiguchi, Takao; and Takai, Hideyuki, 4,810,607, Cl. 430-73.000.
Matsumoto, Masakazu, 4,820,602, Cl. 430-72.000.
Matsumoto, Shigeyuki; and Sugawa, Shigetoshi, 4,814,846, Cl 357-30.000.
Matsumoto, Shigeyuki, 4,316,889, Cl. 357-30.000.
Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.
Matsumoto, Yasuyuki; Murai, Keiichi; Fukuda, Tadaji; and Ogawa, Kyosuke, 4,876,185, Cl. 430-580.000.
Matsumura, Isao, 4,867,554, Cl. 351-205.000.
Matsuoka, Hidetoshi; and Natsume, Masahito, 4,847,707, Cl. 360-64.000.
Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Baba, Takeshi; Someya, Atsushi; and Nishimura, Yukuo, 4,865,426, Cl. 350-353.000.
Matsuoka, Mikiharu; Yamada, Yasuhiro; Miyazaki, Yasuko; Kanemoto, Takashi; Katayama, Hirohiko; and Ikuta, Tamao, 4,881,900, Cl. 434-113.000.
Matsushita, Koichi; and Suzuki, Hiroyuki, 4,822,182, Cl. 384-107.000.
Matsushita, Machiko; and Watabe, Masahiro, 4,832,049, Cl. 128-781.000.
Matsushita, Machiko; Aoki, Akio; and Minoura, Kazuo, 4,870,633, Cl. 369-47.000.
Matsushita, Takashi, 4,807,983, Cl. 350-463.000.
Matsushita, Takashi; Takahashi, Sadatoshi; Kitagishi, Nozomu; Ikemori, Keiji; and Tanaka, Tsunefumi, 4,865,434, Cl. 350-430.000.
Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,873,125, Cl. 427-248.100.
Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,877,650, Cl. 427-248.100.
Matsuyama, Shigeru, 4,865,474, Cl. 400-61.000.
Menjo, Takeshi; Inoue, Masahiro; and Amemiya, Koji, 4,883,019, Cl. 118-691.000.
Minoura, Kazuo; and Matsuoka, Kazuhiko, 4,842,396, Cl. 350-6.500.
Misumi, Teruo; Ogawa, Kyosuke; Kanbe, Junichiro; Saitoh, Keishi; Osato, Yoichi; and Shirai, Shigeru, 4,795,688, Cl. 430-65.000.
Miura, Kyo; Sugata, Hiroyuki; Oguchi, Yoshihiro; and Yoshino, Hitoshi, 4,871,601, Cl. 428-64.000.
Miura, Makoto; Miyamoto, Kazuki; and Ishida, Masato, 4,882,669, Cl. 364-184.000.
Miura, Shigeo, 4,870,503, Cl. 358-256.000.
Miura, Shigeo; Takahashi, Masatomo; Yoshino, Motoaki; Watanabe, Tsunehiro; Toyama, Takeshi; and Takahashi, Taketo, 4,878,123, Cl. 358-401.000.
Miyagi, Ken, 4,819,066, Cl. 355-14.00E.
Miyajima, Yoshikazu; and Shiho, Makoto, 4,843,600, Cl. 369-13.000.
Miyakawa, Hideaki; and Kameyama, Makoto, 4,868,972, Cl. 29-603.000.
Miyakawa, Hideaki; and Kameyama, Makoto, 4,884,156, Cl. 360-121.000.
Miyake, Hiroyuki; Kashiwabara, Akihiro; Sagara, Seiji; Nakamura, Shinichi; and Ohbuchi, Toru, 4,870,448, Cl. 355-235.000.
Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
Miyamoto, Ryosuke; and Sakai, Shinji, 4,823,185, Cl. 358-29.000.
Miyamoto, Ryosuke; and Sakai, Shinji, 4,860,113, Cl. 358-225.000.
Miyata, Masanori; Komiya, Yutaka; Nakamura, Shinichi; Hirose, Masayuki; Mori, Toshihiko; and Nakayama, Tomobumi, 4,825,250, Cl. 355-14.00R.
Miyawaki, Makoto; Ogawa, Yukio; Kodaira, Takanori; and Hirohata, Michio, 4,811,060, Cl. 350-255.000.
Miyawaki, Mamoru, 4,799,750, Cl. 350-96.130.
Miyawaki, Mamoru, 4,823,014, Cl. 250-561.000.
Miyawaki, Mamoru; and Handa, Uuichi, 4,832,428, Cl. 350-96.110.
Miyawaki, Mamoru; and Matsumoto, Kazuya, 4,853,919, Cl. 369-46.000.
Miyawaki, Mamoru; Ogura, Shigetaro; and Matsumoto, Kazuya, 4,856,861, Cl. 350-96.140.
Miyawaki, Mamoru, 4,886,587, Cl. 204-130.000.
Miyazaki, Toshihiko; Sakai, Kunihiro; Tomida, Yoshinori; Sugata, Hiroyuki; Matsuda, Hiroshi; and Nishimura, Yukuo, 4,840,821, Cl. 427-430.100.
Miyazawa, Seiichi; Hara, Toshitami; Nojiri, Hidetoshi; Sekiguchi, Yoshinobu; Hasegawa, Mitsutoshi; and Ikeda, Sotomitsu, 4,799,229, Cl. 372-50.000.
Miyazawa, Seiichi; Nojiri, Hidetoshi; Hara, Toshitami; Shimizu, Akira; Sekiguchi, Yoshinobu; and Hakamada, Isao, 4,829,534, Cl. 372-46.000.
Mizushima, Toshiaki; Ozaki, Shigeo; Shinohara, Yukimasa; Tsunenari, Tomoo; Takada, Yasufumi; and Noguchi, Yasuo, 4,843,432, Cl. 355-41.000.
Mizutani, Morikazu; Onoda, Shigeyoshi; Ikemoto, Isao; Kanemitsu, Shinji; and Kitajima, Hajime, 4,806,977, Cl. 355-8.000.

Mori, Hiromi; Matsunaga, Satoshi; Kobayashi, Kuniko; Hyosu, Yoshihiko; and Imai, Eiichi, 4,804,610, Cl. 430-137.000.

Mori, Shigeki; Kobayashi, Katsuyuki; Taniishi, Shinnosuke; and Yamamoto, Kousuke, 4,887,245, Cl. 367-129.000.

Moriyama, Jiro, 4,832,518, Cl. 400-322.000.

Moriyama, Jiro, 4,847,638, Cl. 346-140.00R.

Mouri, Akihiro; Kitayama, Hiroyuki; Kaneko, Shuzo; Takahashi, Tohru; Enari, Masahiko; Kuno, Mitsutoshi; and Toyono, Tsutomu, 4,818,078, Cl. 350-350.00S.

Mouri, Akihiro; Toyono, Tsutomu; Kaneko, Shuzo; Inaba, Yutaka; and Kanbe, Junichiro, 4,836,656, Cl. 350-350.00S.

Mukaiya, Hitoshi, 4,812,024, Cl. 350-427.000.

Mukaiya, Hitoshi, 4,846,563, Cl. 350-427.000.

Mukohjima, Hitoshi; and Hiramatsu, Akira, 4,831,305, Cl. 310-323.000.

Murakami, Eiichi; Kohno, Michio; and Suzuki, Akiyoshi, 4,886,975, Cl. 250-572.000.

Murakami, Osamu, 4,847,640, Cl. 346-145.000.

Murayama, Yasushi; Kanekura, Kazunori; Aoki, Tomohiro; Chiku, Kazuyoshi; Hirose, Yoshihiko; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,847,642, Cl. 346-157.000.

Muto, Kazuhiko, 4,853,530, Cl. 250-214.00A.

Nagasawa, Kenichi; Takimoto, Hiroyuki; Otokawa, Mitsuhiro; Edakubo, Hiroo; Kozuki, Susumu; and Satoh, Keiji, 4,802,031, Cl. 360-77.150.

Nagasawa, Kenichi; Sasatani, Tomohiko; and Fukatsu, Tsutomu, 4,816,940, Cl. 360-77.150.

Nagasawa, Kenichi; Takahashi, Koji; Yasumura, Hiroto; Sato, Ohikara; and Nakayama, Tadayoshi, 4,870,509, Cl. 360-9.100.

Nagashima, Nao, 4,814,877, Cl. 358-163.000.

Nagashima, Nao, 4,866,533, Cl. 358-443.000.

Nagashima, Nao, 4,870,500, Cl. 358-443.000.

Nagashima, Yoshitake; Ishikawa, Hisashi; Kozuki, Susumu; Yoshimura, Katsuji; Takahashi, Koji; and Nagasawa, Kenichi, 4,812,920, Cl. 358-310.000.

Nagira, Keiji, 4,822,019, Cl. 271-9.000.

Nakagawa, Katsumi; Komatsu, Toshiyuki; Hirai, Yutaka; Omata, Satoshi; Osada, Yoshiyuki; and Nakagiri, Takashi, 4,814,842, Cl. 357-23.700.

Nakagawa, Katsumi; Komatsu, Toshiyuki; Seitoh, Shinichi; and Hatanaka, Katsunori, 4,827,345, Cl. 358-213.270.

Nakagawa, Katsumi; Kawakami, Soichiro; Gofuku, Ihachiro; Hatanaka, Katsunori; Fukaya, Masaki; and Komatsu, Toshiyuki, 4,845,355, Cl. 250-211.00J.

Nakagawa, Katsumi; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Kanai, Masahiro, 4,851,302, Cl. 428-658.000.

Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Murakami, Tsutomu, 4,888,062, Cl. 136-258.000.

Nakahara, Takashi, 4,829,168, Cl. 235-489.000.

Nakahara, Takashi, 4,860,278, Cl. 369-271.000.

Nakahara, Toshiaki; Ohsaki, Ichiro; Ushiyama, Hisayuki; Kiuchi, Masashi; Yamazaki, Masuo; Goseki, Yasuhide; and Ochi, Hisayuki, 4,797,344, Cl. 430-138.000.

Nakai, Akiya; Hamasaki, Bunei; and Utamura, Shinji, 4,881,100, Cl. 355-53.000.

Nakajima, Kazuhiro; Inui, Toshiharu; Ishikawa, Noriyoshi; and Miyagawa, Masashi, 4,847,110, Cl. 427-25.000.

Nakajima, Toshifumi, 4,862,282, Cl. 358-400.000.

Nakamura, Kenichi, 4,868,405, Cl. 250-578.000.

Nakamura, Kenji, 4,798,987, Cl. 310-313.00R.

Nakamura, Kenji, 4,815,802, Cl. 350-96.130.

Nakamura, Mitsunori; Sakuragi, Kenkichi; Sasai, Keizo; and Ohkubo, Akio, 4,868,674, Cl. 358-296.000.

Nakamura, Shunji; Hirabayashi, Hiromitsu; Araya, Junji; and Koitabashi, Noribumi, 4,851,960, Cl. 361-225.000.

Nakamura, Yasuo, 4,825,204, Cl. 340-825.520.

Nakamura, Yoshio; and Sugawa, Shigetoshi, 4,866,293, Cl. 250-578.000.

Nakamura,, Yukitsugu; and Yano, Kohichi, 4,795,250, Cl. 351-212.000.

Nakatani, Yoshihiro; and Fukatsu, Tsutomu, 4,882,633, Cl. 358-339.000.

Nakayama, Hiroki; Sato, Yasuhisa; Oizumi, Kouji; and Yamada, Yasuyuki, 4,830,474, Cl. 350-422.000.

Nakazato, Hiroshi; and Iijima, Mamoru, 4,830,182, Cl. 206-334.000.

Nakazato, Hiroshi; and Iijima, Mamoru, 4,842,136, Cl. 206-328.000.

Nakazato, Hiroshi; Matsumura, Takashi; Akamatsu, Takahiro; and Fukui, Kenji, 4,887,904, Cl. 356-375.000.

Nakura, Yoshiyuki; and Kato, Yasuo, 4,879,144, Cl. 428-1.000.

Nanamura, Masanori; Hosaka, Masao; and Inouye, Mutsuhiro, 4,888,616, Cl. 355-202.000.

Negishi, Hirokazu; and Hosaka, Masao, 4,870,690, Cl. 381-103.000.

Nishigaki, Yuji; and Kawamura, Naoto, 4,870,483, Cl. 358-44.000.

Nishikawa, Hiroshi, 4,876,559, Cl. 346-140.00R.

Nishimoto, Yoshifumi; Okunuki, Masahiko; Kariya, Takao; Kawai, Yasuo; and Atsuta, Akio, 4,830,498, Cl. 356-400.000.

Nishimura, Tetsuharu, 4,829,342, Cl. 356-356.000.

Nishimura, Tetsuharu, 4,868,385, Cl. 250-231.0SE.

Nishimura, Yukuo; Haruta, Masahiro; Hirai, Yutaka; Sakai, Kunihiro; and Matsuda, Hiroshi, 4,796,981, Cl. 350-353.000.

Nishimura, Yukuo; Yuasa, Satoshi; Haruta, Masahiro; Yoshinaga, Yoko; and Munakata, Hirohide, 4,832,466, Cl. 350-354.000.

Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, 4,848,879, Cl. 350-353.000.

Nishino, Tsutomu, 4,881,064, Cl. 340-709.000.

Nishiyama, Masaki, 4,827,254, Cl. 340-790.000.

Nishiyama, Masaki, 4,828,414, Cl. 400-315.000.

Nobuta, Hiroshi, 4,876,604, Cl. 358-400.000.

Nobutani, Toshiyuki, 4,797,873, Cl. 369-270.000.

Noguchi, Akio, 4,809,025, Cl. 346-154.000.

Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,798,680, Cl. 252-299.010.

Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; and Katagiri, Kazuharu, 4,867,903, Cl. 252-299.610.

Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri. Kazuharu, 4,873,018, Cl. 252-299.010.

Nomura, Akihiro; Namekata, Kiyokazu; Kurata, Mitsuru; Niizawa, Takuji; Ebata, Tokihide; and Sasaki, Shinichi, 4,862,215, Cl. 355-309.000.

Nose, Hiroyasu, 4,818,066, Cl. 350-247.000.

Nose, Hiroyasu, 4,887,888, Cl. 350-247.000.

Nose, Noriyuki; and Niwa, Yukichi, 4,887,897, Cl. 351-233.000.

Oba, Yasuo, 4,828,411, Cl. 400-196.100.

Ochi, Hiroshi; Tetsutani, Nobuji; Yamamoto, Tetsuji; and Nobuta, Hiroshi, 4,805,135, Cl. 364-900.000.

Ochiai, Toshihiko; and Ando, Yujiro, 4,831,394, Cl. 346-160.100.

Ogata, Minoru; Takeda, Takashi; Kuo, Hideo; Nakazawa, Tamotsu; and Abe, Shintaro, 4,827,349, Cl. 358-256.000.

Ogata, Yukihiko, 4,796,092, Cl. 358-261.100.

Ogata, Yukihiko, 4,829,467, Cl. 364-900.000.

Ogawa, Hideki; and Matsushita, Takashi, 4,871,243, Cl. 350-463.000.

Ogawa, Masami, 4,855,789, Cl. 355-26.000.

Ogino, Shigeru; Hirata, Noritsugu; and Ushiro, Tatsuzo, 4,801,830, Cl. 310-68.00B.

Ogino, Yoshitaka; and Tanioka, Hiroshi, 4,821,334, Cl. 382-50.000.

Ogiso, Masao, 4,802,104, Cl. 364-518.000.

Ogiwara, Satoshi; Ichikawa, Izumi; Imano. Haruo; and Miura, Genmei, 4,864,651, Cl. 455-617.000.

Ogura, Nobuo, 4,864,113, Cl. 235-477.000.

Ogura, Tokihiko, 4,807,051, Cl. 358-335.000.

Ogura, Tokihiko, 4,821,123, Cl. 360-66.000.

Ohashi, Kazuhito, 4,875,105, Cl. 358-310.000.

Ohishi, Shinji; and Higomura, Makoto, 4,810,941, Cl. 318-314.000.

Ohkubo, Yukitoshi; Watanabe, Yasuyuki; Mochizuki, Chiori; Ishii, Takayuki; Yamanobe, Masato; and Ishiwata, Kazuya, 4,878,74 Cl. 350-347.00V.

Ohno, Akio, 4,888,621, Cl. 355-326.000.

Ohnuki, Ichiro; Ikemori, Keiji; and Eguchi, Masaharu, 4,804,986, Cl. 354-212.000.

Ohsawa, Hidefumi; Katayama, Akihiro; Hosokawa, Hiroshi; Sunohara, Izuru; and Yoshimoto, Masahiko, 4,876,610, Cl. 358-443.000.

Ohsawa, Toshifumi, 4,820,023, Cl. 350-331.00R.

Ohshima, Shigeru, 4,797,734, Cl. 358-55.000.

Ohshima, Shigeru; and Sekiguchi, Takeshi, 4,812,911, Cl. 358-225.000.

Ohta, Jiro; Tozawa, Sadamu; Matsushita, Koichi; and Maruyama, Yutaka, 4,838,710, Cl. 384-100.000.

Ohta, Shinichi, 4,873,537, Cl. 346-108.000.

Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, 4,841,037, Cl. 534-815.000.

Ohtani, Kazuo, 4,839,696, Cl. 355-218.000.

Ohtsuka, Kuniaki; and Nishikawa, Shigeru, 4,870,680, Cl. 379-163.000.

Ohtsuka, Masaru, 4,887,804, Cl. 269-73.000.

Ohuchi, Chidane, 4,798,468, Cl. 356-351.000.

Ohuchi, Osamu; and Sawada, Takamasa, 4,866,487, Cl. 355-313.000.

Ohzu, Hayao, 4,851,917, Cl. 358-213.220.

Oikawa, Katsuya; Egami, Hidemi; Saitor, Katuo; and Satomura, Hiroshi, 4,797,598, Cl. 315-85.000.

Okada, Shinjiro; and Kanbe, Junichiro, 4,800,382, Cl. 340-784.000.

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.

Okada, Shinjiro; and Enari, Masahiko, 4,844,590, Cl. 350-350.00S.

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.

Okajima, Hidekazu; and Matsuda, Kazuya, 4,865,433, Cl. 350-429.000.

Okano, Tatsuo; and Hisada, Katsutoshi, 4,887,224 Cl. 364-518.000.

Okauchi, Shigeki; and Uehara, Tsukasa, 4,800,453, Cl. 360-99.020.

Okauchi, Shigeki; and Uehara, Tsukasa, 4,807,069, Cl. 360-99.060.

Okauchi, Shigeki; and Maeda, Masaya, 4,843,501, Cl. 360-99.060.

Okino, Tadashi; and Sakai, Shinji, 4,833,536, Cl. 358-228.000.

Okino, Tadashi, 4,847,680, Cl. 358-29.000.

Okino, Tadashi, 4,858,028, Cl. 368-335.000.

Okuno, Takuo, 4,857,793, Cl. 310-328.000.

Okunuki, Masahiko; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Shimoda, Isamu, 4,825,082, Cl. 250-423.00F.

Okutomi, Masatoshi; Sueda, Tetsuo; and Tokuhara, Mitsuhiro, 4,833,721, Cl. 382-21.000.

Ono, Takeshi, 4,814,789, Cl. 346-76.0PH.

Ono, Takeshi, 4,875,056, Cl. 346-76.0PH.

Onoda, Shigeyoshi; and Ebata, Tokihide, 4,839,690, Cl. 355-211.000.

Onuki, Kazuhiko; Maetani, Masami; Ito, Masahiko; and Murata, Shinji, 4,879,572, Cl. 355-45.000.

Onuki, Kazuhiko; and Maetani, Masami, 4,881,099, Cl. 355-45.000.

Osanai, Eiji, 4,814,922, Cl. 360-130.300.

Osato, Yoichi; Saito, Ichiro; and Takasu, Yoshio, 4,816,840, Cl. 346-1.100.

Otokawa, Mitsuhiro; Takimoto, Hiroyuki; Satoh, Keiji; Takahashi, Koji; and Edakubo, Hiroo, 4,825,307, Cl. 360-27.000.

Otokawa, Mitsuhiro, 4,843,491, Cl. 360-73.070.

Otsuki, Shinnichirou, 4,881,608, Cl. 178-18.000.

Ozaki, Masaharu; and Yonehara, Takao, 4,800,527, Cl. 365-182.000.

Ozawa, Masakazu; Ozawa, Kunitaka; Hatanaka, Katsunori; Suzuki, Tetsuo; Mori, Tetsuzo; Shiina, Tadashi; and Ebinuna, Ryuichi, 4,884,085, Cl. 346-136.000.

Rachi, Masahiro, 4,857,900, Cl. 340-703.000.

Riseman, John H., deceased; Smith, John J.; d'Entremont, Alice M.; and Goldman, Craig E., 4,800,442, Cl. 358-280.000.

Sado, Ichiro, 4,803,463, Cl. 341-23.000.

Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.

Saito, Keishi; and Fujioka, Yasushi. 4,887,134, Cl. 357-16.000.

Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, 4,813,763, Cl. 350-169.000.

Saito, Kenji; Nishimura, Yukuo; Tomida, Yoshinori; Kawada, Haruki; Eguchi, Ken; and Nakagiri, Takashi, 4,830,502, Cl. 356-432.000.

Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Iichiro; Kato, Motoi; Ohzeki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, 4,864,419, Cl. 358-300.000.

Saitoh, Keisha; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,801,474, Cl. 427-248.100.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,804,558, Cl. 427-66.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,812,328, Cl. 427-69.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,822,636, Cl. 427-69.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,834,023, Cl. 118-730.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,844,950, Cl. 427-250.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,865,883, Cl. 427-255.300.

Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.

Sakagami, Wataru, 4,868,806, Cl. 369-58.000.

Sakagami, Wataru, 4,870,634, Cl. 369-47.000.

Sakagami, Wataru; and Iijima, Katsumi, 4,872,154, Cl. 369-54.000.

Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.

Sakai, Shinji; Kawabata, Takashi; and Miyamoto, Ryosuke, 4,812,727, Cl. 318-696.000.

Sakai, Shinji; and Takei, Masahiro, 4,845,566, Cl. 358-213.240.

Sakai, Toshikazu; and Higomura, Makoto, 4,888,536, Cl. 318-592.000.

Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, Cl. 428-332.000.

Sakamoto, Masahiro, 4,821,099, Cl. 358-163.000.

Sakamoto, Masahiro, 4,827,251, Cl. 358-284.000.

Sakane, Toshio, 4,823,801, Cl. 128-661.060.

Sakane, Toshio; and Numajiri, Yasuyuki, 4,866,243, Cl. 219-121.620.

Sakashita, Kiichiro, 4,820,603, Cl. 430-106.600.

Sakata, Hajime; Watanabe, Yasuyuki; Yamanobe, Masato; Ohkubo, Yukitoshi; and Nagano, Akihiro, 4,856,869, Cl. 350-162.180.

Sakata, Tsuguhide, 4,811,094, Cl. 358-160.000.

Sakata, Tsuguhide; Kimura, Norio; and Takei, Masahiro, 4,823,197, Cl. 358-310.000.

Sakata, Tsuguhide; Kimura, Norio; Taguchi, Tomishige; and Takei, Masahiro, 4,847,703, Cl. 360-48.000.

Sakata, Tsuguhide; Taguchi, Tomishige; Kimura, Norio; Tsuruno, Kunio; and Suzuki, Yasutomo, 4,878,131, Cl. 360-37.100.

Sakemi, Yuji; and Kurematsu, Katsumi, 4,844,008, Cl. 118-658.000.

Sakuragi, Kenkichi; Ohkubo, Akio; Sasai, Keizo; and Nakamura, Mitsunori, 4,849,824, Cl. 358-296.000.

Sakurai, Atsushi, 4,825,384, Cl. 364-513.500.

Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.

Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota. Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.

Sato, Chikara; Nakayama, Tadayoshi; Takahashi, Koji; and Sasatani, Tomohiko, 4,797,741, Cl. 358-138.000.

Sato, Hideki; Komatsu, Teruo; and Sugiura, Yoshinori, 4,800,401, Cl. 346-108.000.

Sato, Hiroaki, 4,864,392, Cl. 358-80.000.

Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880.324, Cl. 400-241.000.

Sato, Isamu; Ishida, Masato; Abe, Eiichi; and Takeda, Hiroaki, 4,855,767, Cl. 346-160.000.

Sato, Junichi, 4,882,641, Cl. 360-77.140.

Sato, Mitsuya, 4,864,227, Cl. 324-158.00F.

Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,399, Cl. 522-14.000.

Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,400, Cl. 522-14.000.

Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,668, Cl. 346-140.00R.

Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,669, Cl. 346-140.00R.

Sato, Yasuhisa; Yamada, Yasuyuki; and Nakayama, Hiroki, 4,815,830, Cl. 350-427.000.

Sato, Yasuhisa; Kitagishi, Nozomu; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, 4,842,395, Cl. 350-519.000.

Sato, Yasuhisa; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, 4,871,238, Cl. 350-422.000.

Sato, Yuichi, 4,800,591, Cl. 382-50.000.

Sato, Yuichi; Tsunekawa, Tokuichi; Hiramatsu, Akira; Katsuma, Makoto; Yamada, Shigeki; and Kobayashi, Takeshi, 4,833,544, Cl. 358-287.000.

Sato, Yukio, 4,809,037, Cl. 355-4.000.

Satoh, Keiji; and Kozuki, Susumu, 4,882,634, Cl. 360-10.200.

Satomura, Seiichiro; and Kotera, Masahide, 4,837,450, Cl. 250-571.000.

Satomura, Seiichiro, 4,860,324, Cl. 375-122.000.

Sawada, Takeshi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, 4,835,069, Cl. 428-694.000.

Sekiguchi, Kyoji, 4,878,750, Cl. 351-212.000.

Sekine, Kazumi, 4,810,860, Cl. 235-145.00R.

Shibamiya, Yoshikazu, 4,837,712, Cl. 364-523.000.

Shiho, Makoto, 4,849,952, Cl. 369-13.000.

Shikakura, Akihiro; Takahashi, Koji; Takei, Masahiro; and Sasatani, Tomohiko, 4,885,637, Cl. 358-133.000.

Shikichi, Satoshi; Aoki, Akio; and Minoura, Kazuo, 4,800,546, Cl. 369-44.000.

Shikichi, Satoshi; and Hosoya, Hideki, 4,888,756, Cl. 369-45.000.

Shimada, Tetsuya; Itabashi, Satoshi; and Hatanaka, Katsunori, 4,866,291, Cl. 250-578.000.

Shimakura, Masami, 4,809,214, Cl. 364-900.000.

Shimizu, Akira; Hara, Toshitami; Nojiri, Hidetoshi; Hakamada, Isao; Miyazawa, Seiichi; and Sekiguchi, Yoshinobu, 4,796,067, Cl. 357-4.000.

Shimizu, Akira; Tsukamoto, Takeo; Suzuki, Akira; Sugata, Masao; Shimoda, Isamu; and Okunuki, Masahiko, 4,833,507, Cl. 357-4.000.

Shimizu, Akira; and Kaneko, Norio, 4,873,610, Cl. 361-313.000.

Shimizu, Haruo, 4,866,595, Cl. 346-154.000.

Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.

Shimizu, Katsuichi; Sawamura, Osamu; Masuda, Shunichi; Tomosada, Masahiro; and Sakamaki, Hisashi, 4,816,868, Cl. 355-14.00C.

Shimizu, Katsuichi, 4,817,177, Cl. 382-41.000.

Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,823,192, Cl. 358-256.000.

Shimizu, Katsuichi, 4,835,618, Cl. 358-287.000.

Shimizu, Katsuichi; and Nagashima, Nao, 4,860,111, Cl. 358-400.000.

Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,878,130, Cl. 358-400.000.

Shimoda, Isamu; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Okunuki, Masahiko, 4,810,934, Cl. 315-107.000.

Shimokoriyama, Makoto; Yamashita, Shinichi; Abe, Naoto; Kashida, Motokazu; Takei, Masahiro; and Takahashi, Koji, 4,875,090, Cl. 358-12.000.

Shimoyama, Noboru, 4,867,586, Cl. 400-208.000.

Shinbori, Kenichi; and Ishikawa, Kazuo, 4,803,555, Cl. 358-213.190.

Shindo, Hitoshi; Enari, Masahiko; and Kuno, Mitsutoshi, 4,802,744, Cl. 350-339.00F.

Shiozaki, Atsushi; Komuro, Hirokazu; Sato, Koichi; and Masuda, Kazuaki, 4,860,033, Cl. 346-140.00R.

Shiozaki, Atsushi, 4,866,460, Cl. 346-140.00R.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,804,604, Cl. 430-57.000.

Shirai, Shigeru; and Ohno, Shigeru, 4,818,651, Cl. 430-57.000.

Shirai, Shigeru; and Ohno, Shigeru, 4,818,652, Cl. 430-57.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,818,655, Cl. 430-60.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,824,749, Cl. 430-66.000.

Shiraishi, Akihiko, 4,838,666, Cl. 350-427.000.

Shiraishi, Akihiko; Kato, Masatake; and Kawamoto, Kenichi, 4,855,814, Cl. 358-29.000.
Shiraishi, Akihiko, 4,856,881, Cl. 350-463.000.
Shirasaka, Akifumi; Tanaka, Kensaku; and Hamada, Masaki, 4,837,847, Cl. 382-55.000.
Shirota, Katsuhiro; Eida, Tsuyoshi; and Suga, Yuko, 4,864,324, Cl. 346-1.100.
Sootome, Sumitoshi; Mizutani, Morikazu; Ikemoto, Isao; Kanemitsu, Shinji; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,875,075, Cl. 355-50.000.
Sorimachi, Kanehiro; and Kadosawa, Tsuneaki, 4,818,858, Cl. 250-201.000.
Sorimachi, Kanehiro; Yamada, Shigeru; and Sakamoto, Yasurou, 4,867,570, Cl. 356-376.000.
Soya, Takashi; Kimizuka, Junichi; Inuyama, Toshihiko; and Noguchi, Yasutaka, 4,816,845, Cl. 346-108.000.
Suda, Kenichi; Hasegawa, Shizuo; and Matsuoka, Nobuo, 4,862,286, Cl. 358-494.000.
Suda, Shigeyuki; Hattori, Jun; Kitagishi, Nozomu; Nakayama, Hiroki; and Horiuchi, Akihisa, 4,810,070, Cl. 350-413.000.
Suda, Shigeyuki; and Baba, Takeshi, 4,820,028, Cl. 350-423.000.
Suda, Shigeyuki; and Suzuki, Masayuki, 4,828,373, Cl. 350-432.000.
Suda, Shigeyuki, 4,852,981, Cl. 350-413.000.
Suda, Shigeyuki, 4,859,041, Cl. 350-423.000.
Suda, Shigeyuki, 4,871,240, Cl. 350-427.000.
Suda, Shigeyuki, 4,874,230, Cl. 350-423.000.
Suda, Yasuo; Akashi, Akira; Ishizaki, Akira; Ohmura, Hiroshi; and Ohtaka, Keiji, 4,825,239, Cl. 354-402.000.
Suda, Yasuo; Higashihara, Masaki; and Kadohara, Terutake, 4,855,777, Cl. 354-402.000.
Suda, Yasuo; Ohnuki, Ichiro; Akashi, Akira; Ishizaki, Akira; Ohtaka, Keiji; and Koyama, Takeshi, 4,859,842, Cl. 250-201.000.
Suga, Akira; Kinoshita, Takao; Sakai, Shinji; and Tojo, Akihiko, 4,821,105, Cl. 358-213.190.
Suga, Akira; and Okino, Tadashi, 4,868,680, Cl. 358-335.000.
Sugata, Hiroyuki; Nakata, Kouhei; Mizusawa, Nobutoshi; Yuasa, Satoshi; Haruta, Masahiro; Hamamoto, Takashi; and Osabe, Kuniji, 4,798,694, Cl. 264-60.000.
Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,804,974, Cl. 346-76.0PH.
Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,845,513, Cl. 346-76.0PH.
Sugata, Masao; Masaki, Tatsuo, deceased; Hirasawa, Shinichi; Komuro, Hirokazu; and Yano, Yasuhiro, 4,847,639, Cl. 346-140.00R.
Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,851,808, Cl. 338-308.000.
Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,870,388, Cl. 338-308.000.
Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; and Ishizaki, Akira, 4,835,404, Cl. 250-578.000.
Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; Ohmi, Tadahiro; and Harada, Tadanori, 4,847,668, Cl. 357-30.000.
Sugawa, Shigetoshi; Nakamura, Yoshio; Tanaka, Nobuyoshi; and Ueno, Isamu, 4,879,470, Cl. 250-578.000.
Sugishima, Kiyohisa; and Yamada, Masanori, 4,797,706, Cl. 355-14.00R.
Sugishima, Kiyohisa, 4,831,411, Cl. 355-14.0SH.
Sugiura, Susumu; and Hoshino, Osamu, 4,819,063, Cl. 358-75.000.
Sugiura, Susumu; Sato, Tadashi; and Nakajima, Norio, 4,843,428, Cl. 358-300.000.
Sugiyama, Hiroshi, 4,882,597, Cl. 346-140.00R.
Sukigara, Akihiko; Mizoguchi, Shigeru; Wada, Yuzo; Shibamiya, Yoshikazu; and Ohshima, Noriyoshi, 4,827,286, Cl. 346-76.0PH.
Sukigara, Akihiko, 4,833,447, Cl. 341-25.000.
Sumi, Akiyasu; Yoshida, Shigeru; Kurosawa, Akira; Takahashi, Tohru; Kondoh, Yoshitaka; and Chigira, Tatsuo, 4,806,813, Cl. 310-254.000.
Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,829,323, Cl. 346-140.00R.
Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,853,768, Cl. 358-80.000.
Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,855,765, Cl. 346-154.000.
Suzuki, Akio, 4,855,766, Cl. 346-160.000.
Suzuki, Akio; and Takada, Yoshihiro, 4,882,621, Cl. 358-80.000.
Suzuki, Akiyoshi, 4,798,450, Cl. 350-505.000.
Suzuki, Akiyoshi; and Kohno, Michio, 4,871,257, Cl. 356-400.000.
Suzuki, Akiyoshi; Ina, Hideki; and Kosugi, Masao, 4,888,614, Cl. 355-43.000.
Suzuki, Eiichi, 4,809,451, Cl. 40-158.100.
Suzuki, Kenichi; and Minoura, Kazuo, 4,800,258, Cl. 235-479.000.
Suzuki, Koji, 4,868,729, Cl. 363-21.000.
Suzuki, Masao; Hashimoto, Seiji; Tojo, Akihiko; Takayama, Tsutomu; and Kaji, Toshio, 4,833,525, Cl. 358-29.000.
Suzuki, Masayuki, 4,795,243, Cl. 350-362.000.
Suzuki, Masayuki; and Hattori, Jun, 4,848,882, Cl. 350-413.000.
Suzuki, Nobuyuki; Shimizu, Masao; and Katsuragawa, Mitsuhiro, 4,833,358, Cl. 310-316.000.
Suzuki, Nobuyuki, 4,868,594, Cl. 354-410.000.
Suzuki, Noriyuki, 4,853,494, Cl. 178-18.000.
Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, 4,886,943, Cl. 178-18.000.
Suzuki, Ryuji; Furukawa, Hiroshi; and Kamata, Shigeru, 4,844,586, Cl. 350-255.000.
Suzuki, Takashi; Hasu, Akinori; Yoshida, Hiroshi; and Hashimoto, Shigeru, 4,824,708, Cl. 428-64.000.
Suzuki, Tetsuo, 4,855,762, Cl. 346-140.00R.
Suzuki, Yasuhito, 4,855,790, Cl. 355-24.000.
Suzuki, Yasuhito; Akimoto, Koichiro; Ohshima, Hajime; Honda, Kazuyuki; and Isaka, Yukio, 4,876,562, Cl. 346-160.000.
Suzuki, Yasumichi; Ikeda, Yoshinori; Katoh, Koichi; Ohnishi, Tetsuya; Kadowaki, Toshihiro; and Honma, Toshio, 4,873,570, Cl. 358-80.000.
Suzuki, Yoshiyuki; Funada, Masahiro; Sato, Mamoru; and Sato, Yukio, 4,797,945, Cl. 382-56.000.
Suzuki, Yoshiyuki, 4,868,684, Cl. 358-455.000.
Suzuki, Yoshiyuki; and Ishii, Hiroaki, 4,870,499, Cl. 358-443.000.
Suzuki, Yoshiyuki, 4,878,068, Cl. 346-108.000.
Taguchi, Tomishige, 4,864,391, Cl. 358-80.000.
Taguchi, Tomishige, 4,868,643, Cl. 358-78.000.
Tajima, Hatsuo; Hosoi, Atsushi; Hoshika, Norihisa; Tajika, Hiroshi; and Kinoshita, Masahide, 4,873,551, Cl. 355-251.000.
Tajima, Hatsuo; Kubo, Takahiro; and Tajika, Hiroshi, 4,876,574, Cl. 355-253.000.
Taka, Hideo, 4,886,983, Cl. 307-272.300.
Takada, Yusaku; and Takeda, Kenji, 4,875,069, Cl. 355-271.000.
Takagi, Hiroshi; Hashimoto, Morimi; and Suzuki, Kenji, 4,816,351, Cl. 428-694.000.
Takagi, Seiichi; and Fukumoto, Hiroshi, 4,803,142, Cl. 430-106.600.
Takahashi, Junichi; and Itoh, Yuji, 4,799,783, Cl. 351-206.000.
Takahashi, Kazuhiro; and Suzuki, Akiyoshi, 4,851,882, Cl. 355-46.000.
Takahashi, Kazuo; and Kosugi, Masao, 4,843,563, Cl. 364-490.000.
Takahashi, Kazuo; and Kubo, Hiroyoshi, 4,874,954, Cl. 250-548.000.
Takahashi, Kimio; Saito, Norihisa; and Takada, Kunio, 4,826,271, Cl. 350-6.800.
Takahashi, Kimio; and Saito, Norihisa, 4,842,354, Cl. 350-6.800.
Takahashi, Koji; and Masui, Toshiyuki, 4,807,060, Cl. 360-72.200.
Takahashi, Masamoto, 4,887,164, Cl. 358-443.000.
Takahashi, Masatomo, 4,823,193, Cl. 358-257.000.
Takahashi, Minoru; Miyazaki, Terunobu; Shinagawa, Susumu; Abe, Yuudou; and Saitou, Yoshinobu, 4,833,044, Cl. 428-694.000.
Takahashi, Sadatoshi, 4,810,072, Cl. 350-427.000.
Takahashi, Sadatoshi; Ikemori, Keiji; Kitagishi, Nozomu; Tanaka, Tsunefumi; Matsushita, Takashi; and Momiyama, Kikuo, 4,830,477, Cl. 350-428.000.
Takahashi, Sadatoshi; Ogawa, Hideki; and Endo, Hiroshi, 4,852,984, Cl. 350-454.000.
Takahashi, Tohru; Kitajima, Nobuo; and Kawamura, Naoto, 4,853,752, Cl. 355-77.000.
Takahashi, Tsutomu, 4,808,016, Cl. 400-17.000.
Takahashi, Tsutomu, 4,841,478, Cl. 364-900.000.
Takahashi, Tsutomu, 4,863,298, Cl. 400-279.000.
Takahashi, Yuji; Yamanaka, Yoshimi; and Ishikawa, Yutaka, 4,819,025, Cl. 355-14.00R.
Takahata, Naomi; and Honjo, Takeshi, 4,870,589, Cl. 364-464.040.
Takao, Hideaki; Motoi, Taiko; Sekimura, Nobuyuki; Kamio, Masaru; and Murata, Tatsuo, 4,802,743, Cl. 350-339.00F.
Takao, Hideaki; Tamura, Miki; Kamio, Masaru; Murata, Tatsuo; and Sekimura, Nobuyuki, 4,818,075, Cl. 350-339.00F.
Takao, Mitsuji, 4,819,079, Cl. 358-260.000.
Takao, Mitsuji, 4,872,006, Cl. 340-825.520.
Takase, Hironori, 4,822,138, Cl. 350-252.000.
Takayama, Haruyoshi, 4,839,908, Cl. 375-104.000.
Takayama, Makoto, 4,797,653, Cl. 341-51.000.
Takayama, Makoto; and Takei, Masahiro, 4,851,922, Cl. 358-451.000.
Takayama, Nobutoshi, 4,811,130, Cl. 360-73.110.
Takei, Masahiro; and Takayama, Tadashi, 4,802,003, Cl. 358-133.000.
Takei, Masahiro; and Takayama, Makoto, 4,829,386, Cl. 358-336.000.
Takei, Masahiro; Masui, Toshiyuki; Kashida, Motokazu; and Takahashi, Kouji, 4,858,037, Cl. 360-60.000.
Takei, Masahiro; Sakata, Tsuguhide; Taguchi, Tomishige; and Kawasaki, Somei, 4,862,250, Cl. 358-12.000.
Takei, Masahiro, 4,879,591, Cl. 358-29.00C.
Takei, Tetsuya; Aoike, Tatsuyuki; Kato, Minoru; and Saito, Keishi, 4,795,691, Cl. 430-67.000.
Takei, Tetsuya, 4,840,139, Cl. 118-723.000.
Takei, Tetsuya; Saito, Keishi; Aoike, Tatsuyuki; and Fujioka, Yasushi, 4,845,001, Cl. 430-66.000.
Takeuchi, Akihiko; and Tomoyuki, Yoji, 4,873,428, Cl. 250-214.0DC.
Takeuchi, Eiji; Hanna, Junichi; Shimizu, Isamu; Hirooka, Masaaki; Sakai, Akira; and Ueki, Masao, 4,842,897, Cl. 427-255.200.
Takeuchi, Tatsuo, 4,887,964, Cl. 432-60.000.
Takezawa, Katsuhito, 4,829,385, Cl. 358-260.000.
Takiguchi, Takao; Matsumoto, Masakazu; and Kikuchi, Toshihiro, 4,798,777, Cl. 430-59.000.
Takimoto, Hiroyuki, 4,796,128, Cl. 360-10.300.
Takimoto, Hiroyuki, 4,878,133, Cl. 360-64.000.
Tamamura, Hideo; and Taku, Masakazu, 4,860,040, Cl. 354-170.000.
Tamura, Shuichi, 4,837,470, Cl. 310-82.000.

Tamura, Shuichi, 4,874,239, Cl. 356-4.000.
Tamura, Shuichi, 4,888,515, Cl. 310-323.000.
Tanaka, Katsuhiko; and Fukumoto, Hiroshi, 4,886,725, Cl. 430-106.600.
Tanaka, Kazuo, 4,859,042, Cl. 350-423.000.
Tanaka, Nobuyoshi; Nakamura, Yoshio; Sugawa, Shigetoshi; and Ohzu, Hayao, 4,810,896, Cl. 250-578.000.
Tanaka, Nobuyoshi; Suzuki, Toshiji; Suzuki, Tsuneo; Ozaki, Masaharu; Sugawa, Shigetoshi; and Shinohara, Mahito, 4,831,454, Cl. 358-213.310.
Tanaka, Tsunefumi, 4,840,468, Cl. 350-427.000.
Tanaka, Tsunefumi, 4,842,385, Cl. 350-427.000.
Tanaka, Tsunefumi, 4,861,147, Cl. 350-429.000.
Taniishi, Shinnosuke, 4,853,496, Cl. 178-18.000.
Tanikawa, Hirohide; Nakahara, Toshiaki; and Nozawa, Keita, 4,857,432, Cl. 430-106.000.
Terai, Haruhiko; and Watanabe, Yasutomo, 4,887,099, Cl. 346-140.00R.
Terajima, Hisao, 4,837,813, Cl. 379-113.000.
Tezuka, Nobuo, 4,816,944, Cl. 360-99.020.
Tezuka, Nobuo; Date, Nobuaki; Saito, Syuichiro; and Kozuki, Suzumu, 4,825,302, Cl. 358-335.000.
Tezuka, Nobuo, 4,864,441, Cl. 360-99.120.
Tezuka, Nobuo, 4,864,445, Cl. 360-105.000.
Tezuka, Nobuo, 4,872,077, Cl. 360-109.000.
Tezuka, Nobuo, 4,887,174, Cl. 360-99.060.
Tezuka, Nobuo, 4,890,175, Cl. 360-97.010.
Tokumitsu, Jun; Saito, Kenji; Handa, Yuichi; Tanaka, Nobuyoshi; and Nojiri, Hidetoshi, 4,815,027, Cl. 364-841.000.
Tokura, Go; Ishikawa, Masanori; and Yamada, Akira, 4,853,734, Cl. 354-485.000.
Tokuume, Yoshihiro; Tsujii, Shigeo; and Kurosawa, Kaoru, 4,833,471, Cl. 341-67.000.
Tomida, Yasuko; and Koike, Shoji, 4,838,938, Cl. 106-22.000.
Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.
Tominaga, Hidekazu, 4,811,194, Cl. 369-45.000.
Tomosada, Masahiro; Ogawa, Hiroshi; Tohyama, Yoshikuni; Adachi, Hideki; Suzuki, Tadashi; and Ohki, Naoyuki, 4,803,520, Cl. 355-7.000.
Torigoe, Makoto, 4,822,975, Cl. 219-121.850.
Torigoe, Makoto; and Suzuki, Akiyoshi, 4,875,076, Cl. 355-53.000.
Tosaka, Yoichi; and Shoji, Toru, 4,888,604, Cl. 354-21.000.
Toshida, Yomishi, 4,816,376, Cl. 430-290.000.
Totsuka, Masao; Suzuki, Akiyoshi; and Ina, Hideki, 4,834,540, Cl. 356-401.000.
Touma, Kouichi; Hasegawa, Tetsuo; Kushida, Naoki; Yaegashi, Hisao; Tamura, Yasuyuki; and Kaneko, Shuzo, 4,882,593, Cl. 346-111.000.
Toyoda, Yasuhiro; and Fukuda, Tsuyoshi, 4,829,329, Cl. 354-252.000.
Toyoda, Yasuhiro; and Fukuda, Tsuyoshi, 4,847,649, Cl. 354-252.000.
Toyomura, Shigeru, 4,843,591, Cl. 364-900.000.
Tsuboi, Takayuki, 4,811,041, Cl. 354-195.120.
Tsuboi, Takayuki, 4,827,303, Cl. 354-403.000.
Tsuboi, Takayuki; Nakazawa, Isao; Harunari, Yoshihiro; Sato, Yasuhisa; and Yamada, Yasuyuki, 4,862,202, Cl. 354-195.120.
Tsuboi, Takayuki; Nakazawa, Isao; Maeno, Hiroshi; and Shiomi, Yasuhiko, 4,870,439, Cl. 354-195.120.
Tsuboyama, Akira, 4,796,979, Cl. 350-350.00S.
Tsuboyama, Akira; Kitayama, Hiroyuki; and Taniguchi, Osamu, 4,846,560, Cl. 350-350.00S.
Tsuji, Sadahiko; and Inaba, Hiroyoshi, 4,797,700, Cl. 354-271.100.
Tsuji, Sadahiko, 4,807,982, Cl. 350-422.000.
Tsuji, Sadahiko, 4,854,679, Cl. 350-422.000.
Tsujimoto, Shinichi; and Kazumi, Jiro, 4,834,503, Cl. 350-332.000.
Tsujimoto, Shinichi; Amano, Kenichiro; and Itch, Kenji, 4,888,610, Cl. 354-475.000.
Tsukamoto, Takahiro, 4,872,772, Cl. 400-120.000.
Tsukimoto, Takayuki; Okuno, Takuo; Izukawa, Kazuhiro; and Okumura, Ichiro, 4,810,923, Cl. 310-323.000.
Tsunashima, Shigeru, 4,799,114, Cl. 360-59.000.
Tsunekawa, Tokuichi; Date, Nobuaki; Aizawa, Hiroshi; Hosoe, Kazuya; and Urushibara, Kazunori, 4,823,200, Cl. 358-335.000.
Tsutsui, Shinji; and Shimoda, Isamu, 4,820,930, Cl. 250-548.000.
Uchida, Mitsuru; Yasuda, Satoshi; and Kuribayashi, Tetsuya, 4,873,185, Cl. 430-903.000.
Uchida, Takashi; Hoshino, Osamu; Chiku, Kazuyoshi; Murayama, Yasushi; and Matsuzawa, Kunihiko, 4,816,844, Cl. 346-160.000.
Uchide, Hitoshi; Kuribayashi, Tetsuya; and Ohno, Manabu, 4,868,084, Cl. 430-110.000.
Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,846,593, Cl. 400-157.300.
Ueda, Hiroyuki, 4,858,148, Cl. 364-518.000.
Ueda, Hiroyuki, 4,859,091, Cl. 400-63.000.
Ueda, Hiroyuki, 4,872,773, Cl. 400-144.200.
Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,880,325, Cl. 400-[illegible]9.000.
Ueda, Kouichi; Fujiwara, Akihiro; Suda, Hiro[illegible]; Toyama, Masamichi; and Yamada, Kunihiko, 4,871,906, Cl. 250-201.000.
Uehara, Tsukasa, 4,802,041, Cl. 360-99.060.
Uehara, Tsukasa; and Sakata, Tsuguhide, 4,847,709, Cl. 360-72.200.
Uehara, Tsukasa; Maeda, Masaya; and Nishimura, Akimasa, 4,872,076, Cl. 360-99.070.
Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,803,947, Cl. 418-719.000.
Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,861,623, Cl. 427-69.000.
Ueno, Yasuhide, 4,864,412, Cl. 358-436.000.
Umehara, Shoji; Matsumoto, Masakazu; Takiguchi, Takao; and Ishikawa, Shozo, 4,830,944, Cl. 430-59.000.
Umehara, Shoji; and Kashizaki, Yoshio, 4,868,090, Cl. 430-73.000.
Ushio, Yukihide; Hashimoto, Hiroshi; Hori, Kenjiro; Seto, Kaoru; and Yoshimoto, Toshio, 4,853,740, Cl. 355-319.000.
Ushiro, Tatsuzo, 4,809,095, Cl. 360-75.000.
Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, 4,796,301, Cl. 455-607.000.
Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, 4,882,776, Cl. 455-617.000.
Wakui, Tetsuya, 4,882,640, Cl. 360-73.050.
Washisu, Koichi, 4,869,108, Cl. 73-517.00B.
Watanabe, Kenjiro; and Shimoda, Junji, 4,847,637, Cl. 346-140.00R.
Watanabe, Kenjiro, 4,866,462, Cl. 346-140.00R.
Watanabe, Tsunehiro, 4,811,385, Cl. 379-100.000.
Watanabe, Tsunehiro, 4,837,806, Cl. 379-93.000.
Watanabe, Tsuyoshi; and Honda, Takao, 4,870,461, Cl. 355-251.000.
Watanabe, Yoshitaka; Sakurada, Nobuaki; Aoki, Makoto; and Sato, Eiichi, 4,860,034, Cl. 346-140.00R.
Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, 4,884,909, Cl. 400-625.000.
Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, 4,888,602, Cl. 346-134.000.
Wataya, Masafumi; Sato, Yukio; Ishida, Yoshihiro; and Yamamoto, Tadashi, 4,887,095, Cl. 346-76.0PH.
Wataya, Masafumi, 4,887,151, Cl. 358-80.000.
Yabu, Shuichi, 4,814,625, Cl. 250-548.000.
Yabu, Shuichi; Takahashi, Kazuo; and Yamane, Yukio, 4,869,481, Cl. 269-21.000.
Yaegashi, Hisao; Hasegawa, Tetsuo; Kushida, Naoki; Tohma, Koichi; and Suzuki, Takayuki, 4,880,686, Cl. 428-212.000.
Yagasaki, Toshiaki, 4,855,648, Cl. 315-307.000.
Yamada, Akira, 4,795,079, Cl. 228-179.000.
Yamada, Akira; and Ohnuki, Ichiro, 4,862,208, Cl. 354-485.000.
Yamada, Masanori, 4,802,229, Cl. 382-1.000.
Yamada, Masanori, 4,816,866, Cl. 355-14.00R.
Yamada, Masanori, 4,847,662, Cl. 355-55.000.
Yamada, Yasuaki, 4,802,777, Cl. 400-144.200.
Yamada, Yasuaki, 4,887,082, Cl. 341-26.000.
Yamada, Yasuyuki; and Nakazawa, Isao, 4,840,466, Cl. 350-422.000.
Yamada, Yu, 4,889,416, Cl. 350-426.000.
Yamagata, Shigeo; Ogura, Tokihiko; Takei, Masahiro; and Suzuki, Yasutomo, 4,849,832, Cl. 360-66.000.
Yamagata, Shigeo; Takei, Masahiro; Takayama, Tadashi; and Ito, Kazuhiko, 4,872,066, Cl. 358-336.000.
Yamakawa, Tadashi; Shimada, Kazutoshi; and Ogino, Yoshitaka, 4,811,052, Cl. 355-14.00C.
Yamamoto, Hiroshi; and Suzuki, Nobuyuki, 4,841,327, Cl. 354-412.000.
Yamamoto, Mayumi; Suzuki, Eiichi; and Watanabe, Yoshitaka, 4,865,675, Cl. 156-164.000.
Yamamoto, Yasuhiro; and Endo, Makoto, 4,830,484, Cl. 353-25.000.
Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.
Yamanaka, Fumie; Enomoto, Takashi; and Yoshioka, Toshifumi, 4,859,036, Cl. 350-336.000.
Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
Yamanobe, Masato; Watanabe, Yasuyuki; and Ohkubo, Yukitoshi, 4,822,146, Cl. 350-348.000.
Yamashita, Shinichi; Kanno, Hideo; Mizutome, Atsushi; and Inoue, Hiroshi, 4,795,239, Cl. 350-333.000.
Yamashita, Shinichi; Enari, Masahiko; Kuno, Mitsutoshi; Mizutome, Atsushi; and Kanno, Hideo, 4,804,951, Cl. 340-719.000.
Yamazaki, Yasuyuki; and Suga, Akira, 4,866,528, Cl. 358-213.220.
Yamomoto, Hiroshi; Yoshida, Shigeru; and Yoshida, Katumi, 4,874,233, Cl. 350-429.000.
Yasuda, Satoshi; Uchida, Mitsuru; Takagi, Seiichi; and Karami, Yusuke, 4,824,752, Cl. 430-106.600.
Yasumura, Hiroto; Kozuki, Susumu; and Takei, Masahiro, 4,815,061, Cl. 369-48.000.
Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; Yoshimura, Katsuji; and Sasatani, Tomohiko, 4,878,128, Cl. 358-315.000.
Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru, Kozuki, Susumu; Takahashi, Koji; and Yoshimura, Katsuji, 4,882,632, Cl. 358-330.000.
Yokomatsu, Takao; Yamamoto, Hironori; and Seki, Mitsuaki, 4,810,889, Cl. 250-492.200.
Yoneda, Kou; Miyakawa, Hideaki; and Hara, Shinichi, 4,839,762, Cl. 360-107.000.
Yonehara, Takao, 4,868,140, Cl. 437-109.000.
Yoshida, Eiichi, 4,839,740, Cl. 358-288.000.

Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.

Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,447, Cl. 355-204.000.

Yoshida, Tadashi, 4,884,104, Cl. 355-202.000.

Yoshida, Takehiro, 4,814,894, Cl. 358-298.000.

Yoshida, Takehiro, 4,815,121, Cl. 379-67.000.

Yoshida, Takehiro, 4,823,375, Cl. 379-100.000.

Yoshida, Takehiro, 4,829,524, Cl. 371-32.000.

Yoshida, Takehiro, 4,849,816, Cl. 358-434.000.

Yoshida, Takehiro, 4,885,755, Cl. 375-58.000.

Yoshida, Tekehiro, 4,870,501, Cl. 358-284.000.

Yoshihara, Toshiyuki, 4,851,314, Cl. 430-59.000.

Yoshihara, Toshiyuki; and Kimura, Tomohiro, 4,855,202, Cl. 430-58.000.

Yoshii, Minoru; Nose, Noriyuki; Niwa, Yukichi; and Okada, Yoshimichi, 4,842,408, Cl. 356-349.000.

Yoshikawa, Masao; Kobayashi, Tatsuya; and Saito, Takashi, 4,831,408, Cl. 346-157.000.

Yoshikawa, Masao; and Nakahata, Kimio, 4,872,418, Cl. 118-657.000.

Yoshikawa, Masao; and Kobayashi, Tatuya, 4,887,102, Cl. 346-157.000.

Yoshimura, Katsuji; Masui, Toshiyuki; Sato, Chikara; and Nakayama, Tadayoshi, 4,849,833, Cl. 360-36.200.

Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; Sato, Chikara; and Takahashi, Koji, 4,864,430, Cl. 360-10.200.

Yoshimura, Katsuji, Kozuki, Susumu; Edakubo, Hiroo; and Sato, Chikara, 4,873,587, Cl. 360-9.100.

Yoshimura, Katsuji; Nakayama, Tadayoshi; Ishikawa, Hisashi; and Sato, Chikara, 4,882,615, Cl. 358-31.000.

Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, 4,848,602, Cl. 222-564.000.

Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, 4,857,943, Cl. 346-136.000.

Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, 4,812,259, Cl. 252-299.650.

Yoshinaga, Kazuo; Katagiri, Kazuharu; Kobayashi, Toyoko; and Shinjo, Kenji, 4,876,027, Cl. 252-299.650.

Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, 4,880,560, Cl. 252-299.010.

Yoshinaga, Kazuo; Katagiri, Kazuharu; Tsuboyama, Akira; Kitayama, Hiroyuki; Shinjo, Kenji; and Hioki, Chieko, 4,882,085, Cl. 252-299.610.

Yoshino, Motoaki, 4,800,439, Cl. 358-257.000.

Yoshino, Motoaki; Watanabe, Tsunehiro; Miura, Shigeo; Toyama, Takeshi; and Takahashi, Masatomo, 4,843,479, Cl. 358-257.000.

Yoshioka, Kiyoharu; and Ito, Masahiko, 4,817,886, Cl. 242-192.000.

Yuasa, Satoshi; Munakata, Hirohide; Yoshinaga, Yoko; Haruta, Masahiro; and Nishimura, Yukuo, 4,881,798, Cl. 350-353.000.

Yuasa, Toshiya; Fukumoto, Hiroshi; Mouri, Akihiro; and Kaneko, Shuzo, 4,808,227, Cl. 106-31.000.

Yuzawa, Suezo; Yamakawa, Masafumi; and Shibayama, Takao, 4,866,324, Cl. 310-268.000.

Canon Seiki Kabushiki Kaisha: *See—*

Aoki, Kanemasa, 4,883,996, Cl. 310-154.000.

Aoki, Kanemasa, 4,888,511, Cl. 310-237.000.

Komuro, Toshihiko, 4,825,727, Cl. 74-801.000.

Yuzawa, Suezo; Yamakawa, Masafumi; and Shibayama, Takao, 4,866,324, Cl. 310-268.000.

Canon Seki Kabushiki Kaisha: *See—*

Kugioka, Michihiro, 4,857,817, Cl. 318-696.000.

Canonge, Sidney J., to Takahashi, William H. Clothes dryer for use with forced air heating system. 4,873,773, 10-17-89, Cl. 34-90.000.

Canova, Levy A ; DePasquale, Ralph J.; and Wilson, Michael E., to PCR, Inc. Composition for waterproofing silica-ceramic insulation bodies. 4,814,407, 3-21-89, Cl. 528-21.000.

Canova, Luciano; Giannini, Umberto; Albizzati, Enrico; Borghi, Italo; and Proto, Antonio, to Montedipe S.p.A. Process for the imidization of copolymers of maleic anhydride with vinyl-aromatic monomers. 4,889,896, 12-26-89, Cl. 525-375.000.

Canray Incorporated: *See—*

Kilbride, Cuthbert J., 4,880,394, Cl. 439-404.000.

Cansell, Albert, to Societe Anonyme dite: Atesys. Defibrillating or cardioverting electric shock system including electrodes. 4,825,871, 5-2-89, Cl. 128-419.00D.

Cantabery, Fredrick L. Bar stock feed mechanism for machine tool. 4,870,880, 10-3-89, Cl. 82-124.000.

Cantarini, Giuseppe: *See—*

Bolis, Goffredo A.; Cantarini, Giuseppe; and Da Col, Marco, 4,851,563, Cl. 560-41.000.

Cantarow, Walter D., to Hygeia Sciences, Incorporated. Chromogenic solution for immunoassay. 4,824,784, 4-25-89, Cl. 435-7.000.

Cantatore, Erfinders G.; and Gugumus, Francois, to Ciba-Geigy Corporation. 1,2,2,6,6-pentamethyl-4-piperidylaminotriazine derivatives and their use as stabilizers. 4,816,507, 3-28-89, Cl. 524-100.000.

Cantatore, Giuseppe; and Borzatta, Valerio, to Ciba-Geigy Corporation. Piperidine compounds and their use as anti-oxidative, light or thermal induced degradation agents. 4,803,234, 2-7-89, Cl. 524-100.000.

Cantatore, Giuseppe; and Borzatta, Valerio, to Ciba-Geigy Corporation. Triazine derivatives of piperidinylamidines. 4,843,159, 6-27-89, Cl. 544-198.000.

Cantatore, Giuseppe; and Borzatta, Valerio, to Ciba-Geigy Corporation. Piperidine compounds. 4,855,434, 8-8-89, Cl. 546-190.000.

Cantatore, Giuseppe; and Borzatta, Valerio, to Ciba-Geigy Corporation. Bicyclic piperidine compounds for use as stabilizers for organic materials. 4,859,724, 8-22-89, Cl. 524-91.000.

Cantatore, Giuseppe; Borzatta, Valerio; and Masina, Franca, to Ciba-Geigy Corporation. Piperidine-triazine compounds for use as stabilizers for organic materials. 4,883,870, 11-28-89, Cl. 540-598.000.

Cantatore, Luigi: *See—*

Mawhirt, James A.; Cantatore, Luigi; DiFlora, Joseph E.; McCandless, William J. C.; and Trieb, Marvin, 4,861,553, Cl. 422-65.000.

Canter, Chip: *See—*

Canter, Wade; Canter, Kimberly; Canter, Shawn; and Canter, Chip, 4,872,838, Cl. 433-31.000.

Canter, Kimberly: *See—*

Canter, Wade; Canter, Kimberly; Canter, Shawn; and Canter, Chip, 4,872,838, Cl. 433-31.000.

Canter, Shawn: *See—*

Canter, Wade; Canter, Kimberly; Canter, Shawn; and Canter, Chip, 4,872,838, Cl. 433-31.000.

Canter, Wade; Canter, Kimberly; Canter, Shawn; and Canter, Chip. Oral inspection device. 4,872,838, 10-10-89, Cl. 433-31.000.

Canterberry, J. B.; and Flanigan, David A., to Morton Thiokol, Inc. Rapid buring propellant charge for automobile air bag inflators, rocket motors, and igniters therefor. 4,798,142, 1-17-89, Cl. 102-290.000.

Canterbury, Randall L., Sr. Adjustable rifle rest. 4,854,066, 8-8-89, Cl. 42-94.000.

Canterra Energy Ltd.: *See—*

Adamache, Ion I., 4,871,447, Cl. 209-166.000.

Cantey, James B.: *See—*

Humphrey, Floyd; and Cantey, James B., 4,811,000, Cl. 340-551.000.

Cantley, Richard E. Door alarm. 4,808,974, 2-28-89, Cl. 340-546.000.

Cantlin, John. Multi-stop. 4,805,505, 2-21-89, Cl. 83-467.00R.

Canton, Armando, to Fadis S.p.A. Apparatus for forming a composite yarn from elastic and inelastic yarns. 4,829,757, 5-16-89, Cl. 57-6.000.

Canton, Geoffrey A.: *See—*

Zimmerman, Abraham A.; Canton, Geoffrey A.; Siegel, Joel R.; and Vardi, Joseph, 4,836,829, Cl. 44-53.000.

Cantoni, Angelo, to Ital Idee s.r.l. an Italian Limited Liability Company. Fuel feed device, particularly for internal combustion engines, comprising fuel filtering and emulsifying members. 4,841,919, 6-27-89, Cl. 123-25.00A.

Cantoni, Angelo, to Ital Idee s.r.l. an Italian Limited Liability Company. Multiple lubricating oil filter for internal combustion engines with a member for monitoring the degree of clogging of the filtration surface. 4,885,082, 12-5-89, Cl. 210-90.000.

Cantoni, Armando, to California Laboratories, Inc. Multiply folded laser systems. 4,815,094, 3-21-89, Cl. 372-93.000.

Cantoni, Armando; and Woker, Gary M., to California Laboratories, Inc. Generation of multiply folded optical paths. 4,870,654, 9-26-89, Cl. 372-93.000.

Cantor, Charles R.; Axel, Richard; and Argarana, Carlos, to Columbia University in the City of New York, The Trustees of. DNA encoding streptavidin, streptavidin produced therefrom, fused polypeptides which include amino acid sequences present in streptavidin and uses thereof. 4,839,293, 6-13-89, Cl. 435-320.000.

Cantor, Charles R.; and Schwartz, David C., to Columbia University in the City of New York, The Trustees of. Electrophoretic methods employing gel inserts. 4,861,448, 8-29-89, Cl. 204-182.800.

Cantor, Charles R.: *See—*

Saffran, Wilma A.; Edelson, Richard L.; Gasparro, Francis P.; Welsh, John T.; and Cantor, Charles R., 4,868,311, Cl. 548-303.000.

Cantore, Robert V.: *See—*

Simion, Frederick A.; Rhein, Linda D.; Blake-Haskins, John C.; Babulak, Stephen W.; and Cantore, Robert V., 4,828,750, Cl. 252-142.000.

Cantou, Christian J. R.: *See—*

Guenot, Andre; and Cantou, Christian J. R., 4,841,365, Cl. 358-147.000.

Cantrel, James F., to Ingersoll-Rand Company. Metal insert mounting 4,823,893, 4-25-89, Cl. 175-410.000.

Cantrell, Cyrus D.: *See—*

Shemwell, David M.; and Cantrell, Cyrus D., 4,879,532, Cl. 330-4.300.

Cantrell, Gary L., to Mallinckrodt, Inc. Preparation of fluoroaromatic compounds in dispersion of potassium fluoride. 4,849,552, 7-18-89, Cl. 58-937.000.

Cantrell, Gary L., to Mallinckrodt, Inc. Process for preparing aromatic fluorides. 4,886,920, 12-12-89, Cl. 570-141.000.

Cantrell, John L.; and Rudbach, Jon A., to Ribi ImmunoChem Research Inc. Immunological emulsion adjuvants for polysaccharide vaccines. 4,803,070, 2-7-89, Cl. 424-92.000.

Cantrell, John L., to Ribi ImmunoChem Research Inc. Immunological lipid emulsion adjuvant. 4,806,352, 2-21-89, Cl. 424-92.000.

Cantrell, John L., to Ribi ImmunoChem Research Inc. Vaccine containing tumor antigens and adjuvants. 4,877,611, 10-31-89, Cl. 424-88.000.

Cantrell, M. Dale: *See—*

Beliles, Homer J.; Cantrell, M. Dale; and Sanders, Carl H. 4,838,754, Cl. 414-607.000.

Cantrell, Michael A.: *See—*

Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.300.

Cantrell, Ricky L. Solar powered ventilating system for vehicles. 4,804,140, 2-14-89, Cl. 236-49.000.

Cantu, Lisa A.; McBride, Edward F.; and Osborne, Marion W., to Conoco Inc.; and Du Pont de Nemours, E. I., and Company. Formation fracturing process. 4,848,467, 7-18-89, Cl. 166-281.000.

Cantu, Ramon: *See—*

Fowler, David P.; Asquino, Daniel A.; and Cantu, Ramon, 4,794,833, Cl. 83-24.000.

Cantwell, Robert R.; and Scherer, Michael J., to American Recreation Products, Inc. Tent. 4,827,958, 5-9-89, Cl. 135-104.000.

Cantwell, Robert R.; Hallemann, Raymond F.; and Zumsteg, Deborah M., to American Recreation Products, Inc. Tent, tent ribs, and method of erecting tents. 4,877,044, 10-31-89, Cl. 135-104.000.

Canty, Thomas M. Fuseview laminate safety sight glass. 4,809,862, 3-7-89, Cl. 220-82.00A.

Canyon Medical Products: *See—*

Smith, Steven M., 4,862,891, Cl. 128-343.000.

Canzano, Pasquale S.; and Vinton, Brock J. Gas pressure regulator for controlling low pressure. 4,874,011, 10-17-89, Cl. 137-505.130.

Canziani, Francesco. Method for the controlled actuation of devices for unloading the conveyed items, in sorting apparatus. 4,801,000, 1-31-89, Cl. 198-365.000.

Canziani, Francesco. Feeding apparatus particularly for machines for the conveyance and sorting of objects. 4,815,582, 3-28-89, Cl. 198-365.000.

Canzoneri, Louis S.: *See—*

Wrobbel, Edward J.; Canzoneri, Louis S.; Cocchiara, Ronald P.; and Paul, Nikhil C., 4,799,853, Cl. 414-730.000.

Canzoneri, Salavatore. Method for preparing pizza dough. 4,834,995, 5-30-89, Cl. 426-296.000.

Cao, Hoai-Chau; Houben, Marie-Christine; and Julemont, Michel, to Colgate-Palmolive Company. Stable non-aqueous suspension containing organophilic clay and low density filler. 4,828,723, 5-9-89, Cl. 252-8.800.

Cao, Yunzhen: *See—*

Friedman-Kien, Alvin E.; and Cao, Yunzhen, 4,865,966, Cl. [illegible]-5.000.

Caola [illegible]metikai es Haztartasvegyipari Vallalat: *See—*

Ded[illegible] Laszlo ; Dede nee Pal, Maria; Bogdany, Laszlo ; and Bogda[illegible] nee Forgacs, Olga, 4,863,897, Cl. 514-6.000.

Caoutchouc Manufacture et Plastiques: *See—*

Bechu, Jean-Pierre; and Champleboux, Jacques J., 4,858,535, Cl. 105-15.000.

Bechu, Jean-Pierre; and Wanneroy, Roland, 4,869,178, Cl. 105-15.000.

Cap, Daniel M.: *See—*

Gilliard, Richard P.; Cap, Daniel M.; and Russell, Timothy D., 4,798,995, Cl. 313-638.000.

Cap Snap Co.: *See—*

Bullock, Joseph J.; Hatch, Wayne L.; and Tackles, George, 4,798,301, Cl. 215-256.000.

Bullock, Joseph J., III, 4,815,620, Cl. 215-256.000.

Bullock, Joseph J., III, 4,844,268, Cl. 215-256.000.

Cullum, Douglas L., 4,815,617, Cl. 215-232.000.

Tackles, George, 4,828,128, Cl. 215-256.000.

Cap Toys Inc.: *See—*

Wexler, Howard, 4,795,398, Cl. 446-327.000.

Capacchione, John F.: *See—*

Jerussi, Thomas P.; Capacchione, John F.; and Benvenga, Mark J., 4,859,685, Cl. 514-329.000.

Capaldi, Sabatino: *See—*

Kosmowski, Wojciech B.; and Capaldi, Sabatino, 4,824,310, Cl. 414-222.000.

Capamaggio, Scott A. Bookmarker. 4,813,370, 3-21-89, Cl. 116-237.000.

Caparelli, Guy I., Jr.; and Jordan, Harry M., Sr. Fish activated signalling apparatus. 4,809,456, 3-7-89, Cl. 43-17.000.

Capasso, Federico; French, Harry T.; Gossard, Arthur C.; Hutchinson, Albert L.; Kiehl, Richard A.; and Sen, Sustana, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Resonant tunneling transistor. 4,849,799, 7-18-89, Cl. 357-34.000.

Capasso, Federico; Cho, Alfred Y.; and Sen, Susanta, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Resonant-tunneling device, and mode of device operation. 4,853,753, 8-1-89, Cl. 357-4.000.

Capasso, Gary L. Military gas can vent cap. 4,881,657, 11-21-89, Cl. 220-303.000.

Capasso, Vincent J., to Fire Sprinkler Specialties, Inc. Shut-off device for a sprinkler assembly. 4,804,046, 2-14-89, Cl. 169-90.000.

Capasso, Vincent J., to Fire Sprinkler Specialties, Inc. Shut-off device for an automatic sprinkler. 4,830,117, 5-16-89, Cl. 169-90.000.

Capasso, Vincent J., to Fire Sprinkler Specialties, Inc. Shut-off device for a sprinkler assembly. 4,830,118, 5-16-89, Cl. 169-90.000.

Capaul, Raymond W. Demountable panel structure. 4,796,397, 1-10-89, Cl. 52-144.000.

Capaul, Raymond W. Acoustical panel structure. 4,807,411, 2-28-89, Cl. 52-144.000.

Capcom Co., Ltd.: *See—*

Takezawa, Keisuke; Kamimori, Masatsugu; Morohashi, Tsuyoshi; and Kubozono, Takashi, 4,850,591, Cl. 273-85.00G.

Capdepuy, Marc; Lenormand, Regis; and Renaud, Daniel, to Alcatel Espace. Antenna pointing device capable of scanning in two orthogonal directions. 4,821,045, 4-11-89, Cl. 343-781.00R.

Capdepuy, Marc, to Alcatel Espace. Wide scan drive mechanism for use in a vacuum. 4,825,720, 5-2-89, Cl. 74-640.000.

Capdet, Pablo A. P.: *See—*

Aymerica del Valle, Alejandro A.; Capdet, Pablo A. P.; Suarez, Francisco A. F.; and Aguado, Efrain G., 4,809,688, Cl. 128-88.000.

Cape Cod Research, Inc.: *See—*

Dixon, Brian G.; Deans, John R.; and Jenney, Leah B., 4,834,772, Cl. 29-623.500.

Cape, John A.: *See—*

Fraas, Lewis M.; McLeod, Paul S.; and Cape, John A., 4,829,021, Cl. 437-81.000.

Fraas, Lewis M.; McLeod, Paul S.; and Cape, John A., 4,838,201, Cl. 118-719.000.

Cape, Thomas W., to Chemfil Corporation. Process and composition for sealing a conversion coated surface with a solution containing vanadium. 4,828,615, 5-9-89, Cl. 106-14.130.

Capella, Antonio P.: *See—*

Ribeiro, Antonio C. H.; Gryner, David; and Capella, Antonio P., 4,834,804, Cl. 134-4.000.

Capella, Joseph A., to Matrix Recovery Systems. Hazardous waste management solar dryer apparatus. 4,834,840, 5-30-89, Cl. 202-172.000.

Capelle, Gerd: *See—*

Bellmer, Klaus; and Capelle, Gerd, 4,799,874, Cl. 425-131.100.

Capelli, Edward J. Tray device. 4,798,413, 1-17-89, Cl. 297-194.000.

Capello, Richard D.; and Mabry, George R., to De La Rue Printrak, Inc. Method and apparatus for contextual data enhancement. 4,876,726, 10-24-89, Cl. 382-4.000.

Capen, John M. Fishing bobber. 4,809,461, 3-7-89, Cl. 43-41.200.

Capes, C. Edward: *See—*

Mikhlin, Josef A.; Capes, C. Edward; Divanji, Haresh S.; and Coleman, Richard D., 4,874,393, Cl. 44-20.000.

Mikhlin, Josef A., deceased; Ikura, Michio; Kelly, James F.; and Capes, C. Edward, 4,889,538, Cl. 44-90.000.

Capetola, Robert J.: *See—*

Kligman, Albert M.; Mezick, James A.; and Capetola, Robert J., 4,889,847, Cl. 514-171.000.

Capetronic (BSR) Ltd.: *See—*

Ma, John Y.; McCracken, David H.; Weiss, Steven; and Houston, Albert C., III, 4,801,940, Cl. 342-359.000.

Ma, John Y.; and Houston, Albert C., 4,876,739, Cl. 455-266.000.

Capetta, Lou. Amusement game display container. 4,863,054, 9-5-89, Cl. 220-4.00E.

Capewell, Terence J., to Lucas Industries Public Limited Company. Torque limiting arrangement. 4,864,882, 9-12-89, Cl. 74-411.500

Capilli, Anna D.: *See—*

Capilli, Sergio; and Capilli, Anna D., 4,860,730, Cl. 126-450.000.

Capilli, Francesco: *See—*

Batchen, David J.; and Capilli, Francesco, 4,865,077, Cl. 137-614.040.

Capilli, Sergio; and Capilli, Anna D. Air-warming unit. 4,860,730, 8-29-89, Cl. 126-450.000.

Capion, Robert L., to Sundstrand Corporation. Stator cooling for dynamoelectric machine. 4,797,588, 1-10-89, Cl. 310-54.000.

Capista, Joe J., Jr.: *See—*

Burgess, Lester E.; and Capista, Joe J., Jr., 4,801,367, Cl. 204-224.00M.

Capistrano Labs, Inc.: *See—*

Dow, Julian; and Meyers, Paul F., 4,841,979, Cl. 128-660.100.

Capital Wire & Cable Corporation: *See—*

Chu-Ba, Cao, 4,806,425, Cl. 428-379.000.

Capitani, Gilles, to Societe Bourguignone d'Applications Plastique. Package comprising a body incorporating at least one opening and a lid capable of being fastened onto the opening by a tail piece. 4,828,139, 5-9-89, Cl. 220-316.000.

Capitol Hardware Mfg. Co., Inc.: *See—*

Day, Joel, 4,828,122, Cl. 211-105.100.

Capitol Products Corporation: *See—*

Schmidt, Dietrich F., 4,827,685, Cl. 52-404.000.

Schmidt, Dietrich F.; Johnson, David R.; and Jackson, J. Carson, 4,831,778, Cl. 49-453.000.

Capitol Records: *See—*

Hilbert, Robert S.; and Korniski, Ronald J., 4,844,601, Cl. 350-456.000.

Capitol Records, Inc.: *See—*

Hilbert, Robert S.; and Korniski, Ronald J., 4,878,744, Cl. 350-447.000.

Capizzi, Amedeo; Arsura, Emilio; and Spinelli, Pia, to Istituto Guido Donegani S.p.A. Device developing an attractive and toxic action for fighting insects. 4,879,837, 11-14-89, Cl. 43-124.000.

Capizzo, Peter D.: *See—*

Dubak, Glenda A.; and Capizzo, Peter D., 4,872,095, Cl. 362-100.000.

Caple, Adrian, to U.S. Philips Corporation. Cathode ray tube with metal rear housing and faceplate support. 4,855,640, 8-8-89, Cl. 313-477.00R.

Caple, Roderick. Apparatus for detecting basement water. 4,796,658, 1-10-89, Cl. 137-312.000.

Caplin, Peter B.: *See—*

McCrainor, Peter R.; Caplin, Peter B.; Middlemas, James W.; Rees, Geraint; and Angelini, Mario, 4,824,438, Cl. 44-16.00F.

Capocci, Gerald A.: *See—*
Zappia, Jean M.; and Capocci, Gerald A., 4,822,833, Cl. 524-99.000.
Capocelli, Piero: *See—*
Daniele, Vincenzo; Monti, Marco M.; Taliercio Michele; and Capocelli, Piero, 4,875,020, Cl. 330-307.000.
Capolupo, Janet D.; and Chucta, Thomas M., to Uniroyal Chemical Company, Inc. Polyethylene stabilized by mixture of hindered phenol and amine antioxidants. 4,797,511, 1-10-89, Cl. 174-110.0PM.
Caponi, Renato: *See—*
Calvani, Riccardo; Caponi, Renato; and Cisternino, Francesco, 4,817,206, Cl. 455-616.000.
Calvani, Riccardo; Caponi, Renato; and Cisternino, Francesco, 4,832,492, Cl. 356-349.000.
Calvani, Riccardo; Caponi, Renato; Cisternino, Francesco; and Coppa, Gianni, 4,866,266, Cl. 250-227.000.
Caporaso, John A.: *See—*
Barnes, Robert C.; Caporaso, John A.; Winter, Gerald J.; and Karwowski, Jan, 4,848,579, Cl. 206-508.000.
Caporiccio, Gerardo; Strepparola, Ezio; and Scarati, Mario A., to Montedison S.p.A. Fluoropolyethers containing end groups endowed with anchoring capacity. 4,808,472, 2-28-89, Cl. 428-336.000.
Caporiccio, Gerardo; Viola, Gian T.; and Marchionni, Guiseppe, to Ausimont S.p.A. Functional perfluoropolyethers and process for the preparation thereof. 4,814,372, 3-21-89, Cl. 528-485.000.
Caporiccio, Gerardo; Bargigia, Gianangelo; Tonelli, Claudio; and Tortelli, Vito, to Ausimont S.p.A. Perfluoroalkanes and haloperfluoroalkanes, their percursors and process for their synthesis. 4,833,274, 5-23-89, Cl. 570-137.000.
Caporiccio, Gerardo; Strepparola, Ezio; and Scarati, Mario A., to Montedison S.p.A. Fluoropolyethers containing end groups endowed with anchoring capacity. 4,889,939, 12-26-89, Cl. 549-13.000.
Caporiccio, Gerardo: *See—*
Bargigia, Gianangelo; Caporiccio, Gerardo; Tonelli, Claudio; and Flabbi, Luciano, 4,806,662, Cl. 549-511.000.
D'Agostino, Riccardo; Cramarossa, Francesco; Fracassi, Francesco; Illuzzi, Francesca; and Caporiccio, Gerardo, 4,869,922, Cl. 427-38.000.
Caporusso, Alessandro; and Caporusso, Mario. Fork member for pipe-bending apparatus to support spaced pipe abutment. 4,811,589, 3-14-89, Cl. 72-389.000.
Caporusso, Mario: *See—*
Caporusso, Alessandro; and Caporusso, Mario, 4,811,589, Cl. 72-389.000.
Capozzola, Carl A. Identification tag. 4,858,957, 8-22-89, Cl. 283-81.000.
Capozzola, Carl A. Identification tag. 4,863,195, 9-5-89, Cl. 283-75.000.
Capp, F. William; Gerhardt, Don J.; and Little, Randal A., to Ingersoll-Rand Company. High-temperature-fluid sensor. 4,881,055, 11-14-89, Cl. 337-404.000.
Capp, Randolph E.; Laudig, Ronald C.; and Michael, George W., III, to AMP Incorporated. Microcoaxial connector family. 4,795,352, 1-3-89, Cl. 439-63.000.
Capp, Randolph E.; Johnescu, Michael M.; Laudig, Ronald C.; Michael, George W.; and Smith, Donald L., to AMP Incorporated. Push on right angle connector. 4,799,900, 1-24-89, Cl. 439-585.000.
Capp, Randolph E., to AMP Incorporated. Electrical connector for multiple outer conductor coaxial cable. 4,813,887, 3-21-89, Cl. 439-580.000.
Capp, Randolph E.; Laudig, Ronald C.; and Michael, George W., III, to AMP Incorporated. Strip of electrical contacts. 4,850,905, 7-25-89, Cl. 439-885.000.
Cappa, Sergio; Caldoro, Nicola; and Paudice, Ciro, to Societa Italiana Vetro Siv S.p.A. Industrial plant and method for the manufacturing of a glass and sealing strip assembly, particularly for motor vehicle glazing. 4,832,785, 5-23-89, Cl. 156-495.000.
Cappelaere, Johan: *See—*
Deconinck, Filip; Cappelaere, Johan; and Vandeweghe, Michel, 4,817,677, Cl. 139-99.000.
Cappelletti, Paolo G.: *See—*
Baldi, Livio; and Cappelletti, Paolo G., 4,806,501, Cl. 437-67.000.
Cappelletto, George C.; and O'Genski, Richard K. Device for supporting and tilting vehicle bodies. 4,836,739, 6-6-89, Cl. 414-678.000.
Cappelli, Alberto: *See—*
Ciaperoni, 'Aldemaro; Cappelli, Alberto; D'Andolfo, Francesco; and Salan, Antonio, 4,873,296, Cl. 525-434.000.
Cappello, Emanuel J. Stand-out window opening mechanism. 4,866,882, 9-19-89, Cl. 49-324.000.
Capper, Bruce; and Heelass, George J. Supporting assemblies. 4,819,390, 4-11-89, Cl. 52-95.000.
Cappi, Angelo, to Awax S.r.L. Device for continuous hot-sealing of thermoplastic films. 4,877,478, 10-31-89, Cl. 156-555.000.
Cappotto, Samuel D., to Smith Corona Corporation. Ribbon tensioning mechanism. 4,886,385, 12-12-89, Cl. 400-234.000.
Capps, C. D.: *See—*
Falk, R. A.; and Capps, C. D., 4,797,843, Cl. 364-713.000.
Capps, Jesse: *See—*
Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.
Capra, Silvano, to Manghen S.r.l. Steerable sled equipped with runner means. 4,796,902, 1-10-89, Cl. 280-16.000.
Caprasse, Friedhelm, to Siemens Aktiengesellschaft. Method and apparatus for monitoring the consistency of successive binary code signal groups in data processing equipment. 4,884,273, 11-28-89, Cl. 371-49.400.
Caprathe, Bradley W.; DeWald, Horace A.; Jaen, Juan C.; and Wise, Lawrence D., to Warner-Lambert Company. Phenyl and heterocyclic piperazinyl alkoxy-benzheterocyclic compounds as antipsychotic agents. 4,803,203, 2-7-89, Cl. 514-230.500.
Caprette, Samuel J., Jr.; and Smith, Wilson N., Jr., to B. F. Goodrich Company, The. Acoustic window and material therefor. 4,820,75, 4-11-89, Cl. 524-41.000.
Caprette, Samuel J., Jr., to B.F. Goodrich Company, The. Low pressure acoustic reflector for conformal arrays. 4,821,243, 4-11-89, Cl. 367-153.000.
Caprette, Samuel J., Jr.: *See—*
Black, Robert H.; and Caprette, Samuel J., Jr., 4,887,247, Cl. 367-151.000.
Caprilion Enterprise Company: *See—*
Fong, Jach; and Chen, Jack, 4,826,129, Cl. 251-129.040.
Caprioli, Pasquale L.: *See—*
Galiasso, Roberto E.; Belandria, Jose I.; and Caprioli, Pasquale L., 4,801,432, Cl. 422-143.000.
Caprioli, Richard M.; and Cottrell, John S., to Spectros Limited. Methods for use in the mass analysis of chemical samples. 4,820,648, 4-11-89, Cl. 436-89.000.
Capriotti, Janice D.: *See—*
Felier, Roger K.; Warner, Samuel R.; and Capriotti, Janice D., 4,885,935, Cl. 73-117.200.
Capriotti, Luigi; and Puccinelli, Massimo, to Societa Italiana Vetro Siv S.p.A. Apparatus and process for the manufacturing of sheets of safety glass with a superficial coating of plastic material. 4,865,874, 9-12-89, Cl. 427-54.100.
Capriotti, Roberto; and Schneider, George W., Jr., to American Meter Company. Non-invasive meter calibrating arrangement. 4,848,14 7-18-89, Cl. 73-262.000.
Capro, Inc.: *See—*
Roelle, David R., 4,833,935, Cl. 74-483.00R.
Capron, Mark E. Oceanwheel breakwater. 4,801,221, 1-31-89, Cl. 405-34.000.
Capson, Ronnie R., to Ferguson, Michael D. Hunting arrow with signal generating means. 4,858,935, 8-22-89, Cl. 273-416.000.
Capsonic Group, Inc.: *See—*
Huber, Duane J., 4,845,396, Cl. 310-239.000.
Capsulbond Incorporated: *See—*
Graham, Dean M., 4,820,364, Cl. 156-69.000.
Capsule Technology International, Ltd.: *See—*
Tayebi, Amad, 4,866,906, Cl. 53-282.000.
Capsulit, S. P. A.: *See—*
Rizzardi, Napoleone; and Ripamonti, Giuseppe, 4,804,114, Cl. 222-148.000.
Captive Plastics, Inc.: *See—*
Drozd, Edward; and Lutz, Michael, 4,844,284, Cl. 220-281.000.
Capuano, Angelo D.; and Hallenbeck, Gordon R., to General Electric Company. Method of rearranging components of a dynamoelectric machine. 4,807,354, 2-28-89, Cl. 29-596.000.
Capuano, Frank G., to Rolph-Clark-Stone Packaging Corp. Carton and blank for packing ice cream and the like. 4,819,864, 4-11-89, Cl. 229-135.000.
Capuano, Terry D., to ACO Polymer Products, Inc. Slotted drain conduit. 4,838,727, 6-13-89, Cl. 404-2.000.
Capune, Thomas: *See—*
Buecheler, Herbert; Capune, Thomas; Holdt, Bernd-Dieter; Menke, Ronald; and Tuerk, Erich, 4,813,084, Cl. 4-231.000.
Capurso, Joseph S.: *See—*
Jeter, Michael A.; and Capurso, Joseph S., 4,859,808, Cl. 174-68.500.
Caputo, Carmelo, to Agip Petroli, S.p.A. Device for the injection in internal combustion engines of combustible emulsions with a readily variable emulsion ratio. 4,831,970, 5-23-89, Cl. 123-25.00A.
Caputo, Garry L.; Saldarelli, Thomas A.; and Dwan, William E., to Nice-Pak Products, Inc. Re-sealable label flap. 4,840,270, 6-20-89, Cl. 206-205.000.
Caputo, James H.: *See—*
Espevik, Craig S.; Openchowski, Richard A.; Caputo, James H.; and Guzay, Casimir M., 4,866,817, Cl. 24-23.00W.
Capy, Gilbert; Allain, Jean-Luc; and Benarrouch, Jacques. Sandwich wrapper and method of wrapping. 4,795,648, 1-3-89, Cl. 426-111.000.
Car-Lai, Ma. Dual-tone electronic music generator. 4,843,935, 7-4-8 Cl. 84-1.030.
Car-Lin Inc.: *See—*
Lorenzo, Carmelo, 4,821,621, Cl. 89-143.000.
Car-O-Liner Company: *See—*
Bergstrom, Hans R., 4,845,974, Cl. 72-457.000.
Bergstrom, Hans R., 4,873,861, Cl. 72-457.000.
Peters, Theodore M.; and Eltvik, Bjorn V., 4,815,719, Cl. 269-130.000.
Carabasi, R. Anthony; Jarrell, Bruce E.; and Williams, Stuart K., to Thomas Jefferson University. Method of reendothelializing vascular linings. 4,883,755, 11-28-89, Cl. 435-240.200.
Carabateas, Philip M.: *See—*
Diana, Guy D.; and Carabateas, Philip M., 4,857,539, Cl. 514-378.000.
Diana, Guy D.; and Carabateas, Philip M., 4,861,791, Cl. 514-374.000.
Caracciolo, Gerald T.: *See—*
Ryan, Lawrence D.; Sherrill, James V.; Shedd, Robert D.; and Caracciolo, Gerald T., 4,821,208, Cl. 364-518.000.
Caracciolo, Louis D. Carcass chiller and sterilizer. 4,827,727, 5-9-89, Cl. 62-63.000.

Caracciolo, Louis D. Ozonization of containers. 4,874,435, 10-17-89, Cl. 134-22.180.
Caraconstantis, Charalambos: *See—*
Renn, John O.; Schlapfer, Hans U.; Hammerquist, Kenneth G.; and Caraconstantis, Charalambos, 4,823,162, Cl. 355-40.000.
Caradon Mira Limited: *See—*
North, Royston J., 4,834,130, Cl. 137-100.000.
Carageorge, Gregory T. Thermal walkway. 4,814,580, 3-21-89, Cl. 219-213.000.
Caragher, Richard E.: *See—*
Sireci, Donald J., 4,808,768, Cl. 174-48.000.
Caraher, James R.; Fengler, Albert F.; and Xu, Ming-Wei P., to Varian Associates, Inc. Rotor structure brazed joint. 4,866,748, 9-12-89, Cl. 378-121.000.
Caramanica, Donald S.; and O'Connell, Michael J. Hand-held ice grab and water paddle. 4,865,571, 9-12-89, Cl. 440-101.000.
Caramaschi, Vittorio: *See—*
Pariani, Emilio; Caramaschi, Vittorio; and Castelli, Pierluigi, 4,808,075, Cl. 416-140.000.
Carandang, Carmen M., to Henkel Corporation. Non-toxic acid cleaner corrosion inhibitors. 4,851,149, 7-25-89, Cl. 252-147.000.
Carangelo, Martin C. Method for stabilizing stacked load. 4,852,330, 8-1-89, Cl. 53-399.000.
Carangelo, Robert M.; and Solomon Peter R., to Advanced Fuel Research, Inc. System and method for thermogravimetric analysis. 4,824,790, 4-25-89, Cl. 436-157.000.
Caranica, Gloria, to Kiddie Products, Inc. Plush infant toy. 4,850,927, 7-25-89, Cl. 446-369.000.
Carberry, Terrance K., to Lockheed Corporation. Soil and groundwater remediation system. 4,846,934, 7-11-89, Cl. 202-177.000.
Carberry, Victor V. Method and apparatus for cleaning boiler burners. 4,822,430, 4-18-89, Cl. 134-21.000.
Carberry, Victor V. Gantry crane for maintenance of incinerators and the like. 4,826,024, 5-2-89, Cl. 212-208.000.
Carbet Corporation: *See—*
Martin, Benson D., 4,809,429, Cl. 29-736.000.
Martin, Benson D.; and VonValtier, Eric, 4,845,832, Cl. 29-564.200.
Carbo Ceramics Inc.: *See—*
Fitzgibbon, Jeremiah J., 4,879,181. Cl. 428-402.000.
Carboloy Inc.: *See—*
Haque, Sazzadul; Floyd, Thomas O.; Savas, Nick; and Kelm, Walter H., 4,875,812, Cl. 407-104.000.
Kelm, Walter H., 4,848,199, Cl. 82-159.000.
Kelm, Walter H.; and Newland, Paul W., 4,884,483, Cl. 82-160.000.
Keritsis, George, 4,829,862, Cl. 82-158.000.
Keritsis, George, 4,848,978, Cl. 407-41.000.
Keritsis, George, 4,865,336, Cl. 279-1.00N.
Carbomedics, Inc.: *See—*
Bokros, Jack C., 4,822,353, Cl. 623-2.000.
Bokros, Jack C., 4,863,458, Cl. 623-2.000.
Bokros, Jack C., 4,863,467, Cl. 623-2.000.
Bokros, Jack C., 4,888,010, Cl. 623-2.000.
Carbon Activators (Proprietary) Limited: *See—*
Moss, John A., 4,807,246, Cl. 373-120.000.
Carbon, Donald A.; and Carbon, Frederick S., deceased (by Carbon, Donald A., executor). Cone baker. 4,817,513, 4-4-89, Cl. 99-383.000.
Carbon, Donald A., executor: *See—*
Carbon, Donald A.; and Carbon, Frederick S., deceased, 4,817,513, Cl. 99-383.000.
Carbon, Fred S., deceased; and Carbon, Donald A., executor, 4,803,918, Cl. 99-377.000.
Carbon Fiber Products, Inc.: *See—*
Blake, Larry D., 4,869,526, Cl. 280-645.000.
Carbon, Fred S., deceased; and by Carbon, Donald A., executor. Double baker for waffles, pancakes and similar food items. 4,803,918, 2-14-89, Cl. 99-377.000.
Carbon, Frederick S., deceased: *See—*
Carbon, Donald A.; and Carbon, Frederick S., deceased, 4,817,513, Cl. 99-383.000.
Carbon Fuels Corporation: *See—*
Meyer, Edmond G.; Meyer, Lee G.; and Cavaliere, Gerald F., 4,832,831, Cl. 208-431.000.
Meyer, Edmond G.; Meyer, Lee G.; and Cavaliere, Gerald F., 4,842,615, Cl. 44-51.000.
Meyer, Edmond G.; and Meyer, Lee G., 4,854,937, Cl. 44-51.000.
Carbon Implants, Inc.: *See—*
Hwang, Ned H. C., 4,872,875, Cl. 623-2.000.
Carbon, John A.: *See—*
Hitzeman, Ronald; and Carbon, John A., 4,865,989, Cl. 435-320.000.
Carbon Research Limited: *See—*
Lander, Jacqueline R.; and Griffiths, John A., 4,795,592, Cl. 252-511.000.
Carbonara, Melinda M.: *See—*
Guerriero, Jean R.; and Carbonara, Melinda M., 4,838,709, Cl. 383-18.000.
Carbone, Anthony K. Method and apparatus for scanning and digitizing optical images. 4,812,918, 3-14-89, Cl. 358-293.000.
Carbone, Douglas C.; and Prager, Lee A., to GTE Products Corporation. PTC heater device. 4,822,980, 4-18-89, Cl. 219-315.000.
Carbone, Douglas C.: *See—*
Prager, Lee A.; and Carbone, Douglas C., 4,823,064, Cl. 318-783.000.
Prager, Lee A.; and Carbone, Douglas C., 4,841,127, Cl. 219-225.000.
Carbonel, Jack: *See—*
Cornette, Michel A. G.; Carbonel, Jack; Franc, Jacques E. A.; and Grammont, Paul D. A., 4,818,773, Cl. 521-32.000.
Carbonetti, Italo. Tennis racket with angularly adjustable handle and fixed anatomic grip. 4,854,596, 8-8-89, Cl. 273-73.00J.
Carbonetto, Pier F., to S.p.A Pettinatura Italiana. Process and apparatus to fine one end in a textile fiber band or sliver and to engage said end to feed members in a textile machine. 4,866,814, 9-19-89, Cl. 19-159.00A.
Carbonic Systems of America, Inc.: *See—*
Autrey, Bob, 4,880,245, Cl. 279-1.00R.
Carboniero, Flavio; and Pontini, Aldo, to Omera Spa. Separating and lifting device for stacked-up flat elements. 4,824,308, 4-25-89, Cl. 414-797.000.
Carbotek, Inc.: *See—*
Stahl, Charles R.; Gibson, Michael A.; and Knudsen, Christian W., 4,876,780, Cl. 29-157.400.
Carboxan Inc.: *See—*
Lakshmanan, Vaikuntam I.; Melnbardis, Dzinsars; and Geisler, Robert A., 4,798,709, Cl. 423-63.000.
Carboxyque Francaise: *See—*
Gibot, Claude; Peyremorte, Jean-Pierre; and Sojka, Richard, 4,878,353, Cl. 62-52.100.
Carburos Metalicos S.A.: *See—*
Mercader, Juan P.; and Villamanan, Pablo R., 4,797,141, Cl. 62-17.000.
Carcasona-Beltran, Alfonso: *See—*
Madaus, Rolf; Stumpf, Werner; Gorler, Klaus; and Carcasona-Beltran, Alfonso, 4,820,870, Cl. 562-584.000.
Carcia, Peter F.; and Kalk, Franklin D., to Du Pont de Nemours, E. I., and Company. Optical recording element. 4,857,373, 8-15-89, Cl. 428-64.000.
Carcia, Peter P.; and Coltman, Judith N., to Polaroid Corporation. Camera having auto-trim exposure control. 4,876,566, 10-24-89, Cl. 354-436.000.
Card, Howard: *See—*
McLeod, Robert; Card, Howard; Hortensius, Peter; and Pries, Werner, 4,860,236, Cl. 364-717.000.
Card, John C.: *See—*
Langer, Stanley H.; Foral, Michael J.; and Card, John C., 4,818,353, Cl. 204-74.000.
Card, Joseph L.: *See—*
Card, Roy T.; and Card, Joseph L., 4,815,403, Cl. 112-80.510.
Card, Roy T.; and Card, Joseph L., 4,836,118, Cl. 112-80.410.
Card-Monroe Corporation: *See—*
Card, Roy T.; and Card, Joseph L., 4,815,403, Cl. 112-80.510.
Card, Roy T.; and Card, Joseph L., 4,836,118, Cl. 112-80.410.
Taylor, Brooks E.; Neely, Marshall A.; and Card, Roy T., 4,867,080, Cl. 112-80.320.
Card, Roger J.: *See—*
Paul, Albert P.; Szarz, Richard A.; and Card, Roger J., 4,814,012, Cl. 106-38.510.
Card, Roy T.; and Card, Joseph L., to Card-Monroe Corporation. Cut loop over cut pile fabric and apparatus for and method of producing the same. 4,815,403, 3-28-89, Cl. 112-80.510.
Card, Roy T.; and Card, Joseph L., to Card-Monroe Corporation. Apparatus and method for producing a cut loop overlay of a loop pile base fabric in a single pass of the base fabric through the tufting machine. 4,836,118, 6-6-89, Cl. 112-80.410.
Card, Roy T.: *See—*
Taylor, Brooks E.; Neely, Marshall A.; and Card, Roy T., 4,867,080, Cl. 112-80.320.
Cardarelli, Donato: *See—*
Coccoli, Joseph D.; Stemniski, John R.; and Cardarelli, Donato, 4,796,968, Cl. 350-96.150.
Cardball International Limited: *See—*
Garret, Michael J., 4,840,376, Cl. 273-14.000.
Cardema, Rudolfo S.: *See—*
Wooding, Michael J.; Cardema, Rudolfo S.; and Ramiller, Charles L., 4,886,412, Cl. 414-416.000.
Carden, Douglas D.: *See—*
Lackler, Peter A.; and Carden, Douglas D., 4,844,409, Cl. 251-149.900.
Carden, Harvey K. Cover for the cab portion of an automobile. 4,842,324, 6-27-89, Cl. 296-136.000.
Carden, L. Eugene; and Anderson, Richard N., to Hunter Douglas Inc. Method for producing a fabric covered metal rail. 4,864,712, 9-12-89, Cl. 29-469.500.
Carden, Matthew J.; Lantz, Kim; Reh, Theresa L.; Trytten, Anne; and Lubino, Yves, to Hewlett-Packard Company. X.25 Wide area network channel status display. 4,887,260, 12-12-89, Cl. 370-60.000.
Carden, Peter O., to Anutech Pty Ltd. Fluid dissociation solar energy collection system. 4,829,768, 5-16-89, Cl. 60-673.000.
Carden, Timothy F.: *See—*
Ameen, Joseph G.; Carden, Timothy F.; Cutting, Lawrence R.; Engle, Stephen R.; and Moore, Ronald J., 4,803,100, Cl. 427-387.000.
Cardenas, Alfonso; and de la Cruz, Juan, to Sunclipse, Inc. Disassemblable corrugated board table. 4,860,667, 8-29-89, Cl. 108-115.000.
Cardenas, Alfonso, to Sunclipse, Inc. Disassemblable corrugated board backed chair. 4,875,737, 10-24-89, Cl. 297-442.000.
Cardenas, Antonio: *See—*
Layrisse, Ignacio; Polanco, Domingo R.; Rivas, Hercilio; Jimenez G., Euler; Quintero, Lirio; Salazar, Jose P.; Rivero, Mayela; Cardenas, Antonio; Chirinos, Maria L.; Rojas, Daysi; and Marquez, Humberto, 4,795,478, Cl. 44-51.000.

- Carder, William E. Pile carpet trimmer. 4,825,547, 5-2-89, Cl. 30-216.000.
- Cardew, Gerald V.: *See—*
  - Ford, John B. M.; and Cardew, Gerald V., 4,865,009, Cl. 124-76.000.
- Cardgard Ltd.: *See—*
  - Kitts, Jacques B., 4,853,676, Cl. 340-543.000.
- Cardia, Ennio. Case for cosmetic products, particularly lipsticks, and method for filling the same. 4,813,801, 3-21-89, Cl. 401-71.000.
- Cardiac Pacemakers, Inc.: *See—*
  - Bach, Stanley M., Jr., 4,850,357, Cl. 128-419.00D.
  - DuFault, Robert A., 4,799,486, Cl. 128-419.0PG.
  - DuFault, Robert A., 4,799,493, Cl. 128-705.000.
  - Heil, Ronald W., Jr.; and Owens, Robert C., 4,819,661, Cl. 128-786.000.
  - Heil, Ronald W., Jr.; Owens, Robert C.; and Pederson, Brian D., 4,819,662, Cl. 128-786.000.
  - Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,827,940, Cl. 128-642.000.
  - Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,876,109, Cl. 427-2.000.
- Cardiff, Christopher H.: *See—*
  - Jacanin, James M., Jr.; and Cardiff, Christopher H., 4,878,704, Cl. 294-54.500.
- Cardiff Technology Inc.: *See—*
  - Lutz, Frank T., 4,853,808, Cl. 360-98.010.
- Cardimona, David A., to United States of America, Air Force. Stimulated Raman scattering enhancer. 4,858,238, 8-15-89, Cl. 372-3.000.
- Cardimona, David A.: *See—*
  - Peterson, Phillip R.; Gavrielides, Athanasios; and Cardimona, David A., 4,880,996, Cl. 307-425.000.
- Cardin, Alan D., to Merrell Dow Pharmaceuticals Inc. Extraction and purification of an anticoagulant principle from the south american leech, *haementeria ghilianii* 4,832,849, 5-23-89, Cl. 210-635.000.
- Cardin, Walfred: *See—*
  - Petraitis, Jeffery J.; Cardin, Walfred; Cooper, Lawrence; Rountree, Dave; and Plouffe, Leo A., 4,866,408, Cl. 337-104.000.
- Cardinael, Barry P. Orthopedic footstool. 4,813,742, 3-21-89, Cl. 297-439.000.
- Cardinal Industries, Inc.: *See—*
  - Boyles, William C.; Hagge, Douglas R.; and Johnston, C. V., 4,826,195, Cl. 280-402.000.
  - Richardelli, Joseph; and Thompson, Robert E., 4,867,819, Cl. 156-92.000.
- Cardinal, Joachim: *See—*
  - Glaeser, Karl C.; Lohmuller, Detlef; Tilmans, Heinz; Genuit, Klaus; Cardinal, Joachim; and Buhr, Gerhard, 4,814,632, Cl. 307-116.000.
- Cardinal, Michael J., to Saftell Pty. Limited. Security screen. 4,831,939, 5-23-89, Cl. 109-17.000.
- Cardinal Research & Development Co., Inc.: *See—*
  - Modi, Pravin G.; Ross, Timothy C.; and Story, Paul R., 4,816,593, Cl. 556-89.000.
  - Shah, Harnish V., 4,835,296, Cl. 556-97.000.
- Cardinal Scale Manufacturing Company: *See—*
  - Langford, Stephen R.; and Pollinger, Herbert H., 4,825,966, Cl. 177-177.000.
- Cardinal Tank Co.: *See—*
  - Weidman, William J.; and Netz, Edmund, 4,818,211, Cl. 425-425.000.
- Cardinal Tank Corp.: *See—*
  - Weidman, William J.; and Netz, Edmund, 4,883,626, Cl. 264-156.000.
- Cardinale, Emanuel, to C.A.M. Graphics Co., Inc. Method for imparting an apparent finish to the surface of an article. 4,816,295, 3-28-89, Cl 427-54.100.
- Cardinale, Emanuel, to C.A.M. Graphics, Co., Inc. Membrane-type touch panel. 4,864,084, 9-5-89, Cl. 200-5.00A.
- Cardinali, Franco: *See—*
  - Verdini, Antonio S.; Bonelli, Fabio; Pessi, Antonello; Cardinali, Franco; Boraschi, Diana; Censini, Stefano; and Di Trapani, Romano, 4,816,560, Cl. 530-323.000.
- Cardiometrics, Inc.: *See—*
  - Segal, Jerome, 4,856,529, Cl. 128-661.080.
  - Segal, Jerome; Corl, Paul D.; and Haase, Wayne C., 4,869,263, Cl. 128-692.000.
- Cardiopulmonics, Inc.: *See—*
  - Berry, Gaylord; Mortensen, J. D.; and Rigby, Larry D., 4,850,958, Cl. 604-26.000.
- Cardiovascular Devices, Inc.: *See—*
  - Yafuso, Masao; and Hui, Henry K., 4,798,738, Cl. 427-2.000.
  - Yafuso, Masao; and Suzuki, John K., 4,824,789, Cl. 436-68.000.
- Cardiovascular Diagnostics, Inc.: *See—*
  - Oberhardt, Bruce, 4,849,340, Cl. 435-13.000.
- Cardiovascular Imaging Systems, Inc.: *See—*
  - Yock, Paul G., 4,794,931, Cl. 128-660.030.
- Cardis, Angeline B., to Mobil Oil Corporation. Reaction products of dialkyl phosphites with elemental sulfur, alkylene oxide compositions containing same, and their use in lubricant compositions. 4,814,097, 3-21-89, Cl. 252-46.600.
- Cardis, Angeline B.; Davis, Robert H.; and Piotrowski, Alfred B., to Mobil Oil Corporation. Lubricant additives derived from aminomercaptothiadiazole and lubricant compositions containing same. 4,846,984, 7-11-89, Cl. 252-47.500.
- Cardoen, Marnick: *See—*
  - Maes, Dirk; Nuytten, Patrick; Cardoen, Marnick; Van Bogaert, Philippe; Verhulst, Jozef; Dejonghe, Gilbert; and Trioen, Jozef, 4,794,958, Cl. 139-435.000.
- Cardon, Maurice H.: *See—*
  - Sallberg, David W.; Lawson, Timothy J.; and Cardon, Maurice H., 4,802,365, Cl. 73-808.000.
- Cardona, Joseph C.: *See—*
  - Castagna, Joseph T.; and Cardona, Joseph C., 4,833,667, Cl. 369-263.000.
- Cardone, Michele; Grandini, Angelo; and Zaramella, Bruno, to Tecnomagnete S.p.A. Magnetic gripping apparatus. 4,847,582, 7-11-89, Cl. 335-289.000.
- Cardone, Paul A., to Polaroid Corporation. Process for coating synthetic optical substrates. 4,815,962, 3-28-89, Cl. 427-38.000.
- Cardosi, Marco F.: *See—*
  - Turner, Anthony P. F.; Hendry, Stuart P.; and Cardosi, Marco F., 4,882,013, Cl. 204-1.00T.
- Cardoso, Frank M., to American Dryer Corporation. Apparatus and method for controlling a drying cycle of a clothes dryer. 4,827,627, 5-9-89, Cl. 34-44.000.
- Cardot, Gerard; and Dortu, Giovanni, to Telic Alcatel. Protection device for terminal equipment on telephone subscriber premises. 4,823,383, 4-18-89, Cl. 379-412.000.
- Carducci, John: *See—*
  - Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, 4,831,526, Cl. 364-401.000.
- Carduck, Franz-Josef: *See—*
  - Kuehne, Norbert; Raehse, Wilfried; and Carduck, Franz-Josef, 4,886,602, Cl. 210-637.000.
  - Pohl, Joachim; Carduck, Franz-Josef; and Goebel, Gerd, 4,855,273, Cl. 502-244.000.
  - Richtler, Hans-Joachim; Kreutzer, Udo; Carduck, Franz-Josef; Koester, Klaus; and Harth, Hubert, 4,874,552, Cl. 260-400.000.
  - Ritter, Wolfgang; Handwerk, Hans-Peter; and Carduck, Franz-Josef, 4,866,023, Cl. 502-174.000.
  - Schulz, Paul; Waldmann, Juergen; Carduck, Franz-Josef; Witthaus, Martin; and Schmadel, Edmund, 4,832,866, Cl. 252-321.000.
- Cardwell, Billy L. Truck rail arrangement. 4,872,719, 10-10-89, Cl. 296-34.000.
- Cardwell Machine Company, The: *See—*
  - Cross, Wiley E., Jr., 4,843,732, Cl. 34-57.00A.
- Careau Group, The: *See—*
  - Carrott, Richard F., 4,882,193, Cl. 426-614.000.
- Carefree/Scott Fetzer Company: *See—*
  - Quinn, Antony W., 4,819,706, Cl. 160-67.000.
  - Watson, Carl C.; and Quinn, Antony W., 4,819,707, Cl. 160-67.000.
- Carel, Claude; and Josse, Alain, to Aerospatiale Societe Nationale Industrielle. Photopyrotechnical detonation device and photopyrotechnical chain using this device. 4,870,903, 10-3-89, Cl. 102-201.000.
- Carel, Pierre; and Blusseau, Eric, to Cibie Projecteurs. High efficiency signal light, in particular for a motor vehicle. 4,859,043, 8-22-89, Cl. 350-452.000.
- Carelift Equipment Limited: *See—*
  - Gibel, John P.; Spies, Henry J; and Petri, Woldemar R., 4,848,520, Cl. 187-9.00E.
- Carella, Richard F. Training device for archery. 4,887,584, 12-19-89, Cl. 124-90.000.
- Carella, Thomas J.; and Bannan, John N. Integral evaporator and accumulator for air conditioning system. 4,794,765, 1-3-89, Cl. 62-512.000.
- Carenco, Alain: *See—*
  - Riviere, Luc; and Carenco, Alain, 4,871,988, Cl. 333-238.000.
- Carenzi, Angelo: *See—*
  - Chiarino, Dario; Grancini, Gian C.; Frigeni, Viviana; and Carenzi, Angelo, 4,829,077, Cl. 514-366.000.
  - Della Bella, Davide; Carenzi, Angelo; Chiarino, Dario; and Pelacini, Franco, 4,840,936, Cl. 514-18.000.
  - Ferrari, Vittorio; Carenzi, Angelo; and Della Bella, Davide, 4,806,567, Cl. 514-513.000.
  - Ferrrari, Vittorio; Carenzi, Angelo; and Della Bella, Davide, 4,812,477, Cl. 514-513.000.
  - Pozzi, Franco; Longo, Antonio; and Carenzi, Angelo, 4,869,900, Cl. 424-94.100.
- Carera, Rosolino: *See—*
  - Trisciani, Adriano; and Carera, Rosolino, 4,835,109, Cl. 436-178.000.
- CareSystems, Inc.: *See—*
  - Dial, Darrell D.; and Geesbreght, John M., 4,805,639, Cl. 128-857.000.
- Caretaker Systems, Inc.: *See—*
  - Macia, Narciso F., 4,826,591, Cl. 210-169.000.
- Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., to Warner-Lambert Company. Novel enolamides, pharmaceutical compositions and methods of use thereof for activity as modulators of the arachidonic acid cascade. 4,868,195, 9-19-89, Cl. 514-375.000.
- Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., to Warner-Lambert Company. Novel enolamides, pharmaceutical compositions and methods of use thereof for activity as modulators of the arachidonic acid cascade. 4,868,199, 9-19-89, Cl. 514-411.000.

- Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., to Warner-Lambert Company. Novel enolamides, pharmaceutical compositions and methods of use thereof for activity as modulators of the arachidonic acid cascade. 4,868,200, 9-19-89, Cl. 514-418.000.
- Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., to Warner-Lambert Company. Novel enolamides, pharmaceutical compositions and methods of use thereof for activity as modulators of the arachidonic acid cascade. 4,868,205, 9-19-89, Cl. 514-456.000.
- Carethers, Mary E.; Centenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., to Warner-Lambert Company. Novel enolamides, pharmaceutical compositions and methods of use thereof for activity as modulators of the arachidonic acid cascade. 4,874,758, 10-17-89, Cl. 514-226.500.
- Caretta, Antonio: *See—*
  - Sorbi, Robert T.; Caretta, Antonio; Cavaggioni, Andrea; and Marchesi Gastaldi, Liliana, 4,797,480, Cl. 536-27.000.
- Caretta, Renato, to Industrie Pirelli S.p.A. Vehicle tires with low absorption of horse-power. 4,819,705, 4-11-89, Cl. 152-527.000.
- Caretti, Giancarlo: *See—*
  - Pontoglio, Enrico; Parodi, Sandro; Donelli, Giordano; and Caretti, Giancarlo, 4,806,672, Cl. 558-311.000.
  - Pontoglio, Enrico; Parodi, Sandro; and Caretti, Giancarlo, 4,883,893, Cl. 558-308.000.
  - Pontoglio, Enrico; Parodi, Sandro; and Caretti, Giancarlo, 4,883,894, Cl. 558-311.000.
- Carevic, Olga: *See—*
  - Djokic, Slobodan; Lopotar, Nevenka; Kobrehel, Gabrijela; Krnjevic, Hrvoje; and Carevic, Olga, 4,886,792, Cl. 514-183.000.
- Carew, Evan B., to Electro-Organic Company. Method of inspecting and repairing a structural defect in the surface of an object. 4,807,991, 2-28-89, Cl. 356-72.000.
- Carew, Evan B., to Electro-Organic Company. Intrinsically conductive and semiconductive polymers, products formed with such polymers and methods of forming same. 4,834,911, 5-30-89, Cl. 252-500.000.
- Carey, Bernard J.: *See—*
  - Haefner, Kenneth B.; Bernstein, Bruce M.; Carey, Bernard J.; and Overton, Kenneth J., 4,861,960, Cl. 219-110.000.
- Carey, David G.: *See—*
  - Nichols, Jerram B.; Herrington, Ronald M.; Hunter, Douglas L.; Serratelli, John F.; and Carey, David G., 4,863,976, Cl. 521-137.000.
- Carey, David H.; and Jennings, Roger B., to Microelectronics and Computer Technology Corporation. Multigigahertz probe. 4,829,242, 5-9-89, Cl. 324-158.00P.
- Carey, Elton H.: *See—*
  - Rothbart, Michael A.; Serbia, George W.; and Carey, Elton H., 4,816,189, Cl. 260-420.000.
- Carey, Francis J.; Cordrey, Nancy A.; and Hipkins, James J., to Scott Paper Company. Notched doctored single kiss roll applicator. 4,814,204, 3-21-89, Cl. 427-286.000.
- Carey, James R., to University of Minnesota, Regents of the. Trackig instrumentation for measuring human motor control. 4,885,687, 12-5-89, Cl. 364-413.020.
- Carey, James R.: *See—*
  - Ashe, Philip R.; Carey, James R.; Champagne, Patrick J.; and Rowden, David L., 4,858,050, Cl. 360-133.000.
- Carey, Loucius, Jr.; and Brooks, Leigh F., to Dresser Industries, Inc. Refractory brick having an increased insulating value. 4,803,933, 2-14-89, Cl. 110-338.000.
- Carey, Michael J.; and Anderson, Adrian J., to Mitel Telecom Limited. Wireless telephone system. 4,866,732, 9-12-89, Cl. 375-1.000.
- Carey, Patrick H., Jr.; and Kronzer, Joseph P., to Minnesota Mining and Manufacturing Company. Nonwoven thermal insulating batts. 4,837,067, 6-6-89, Cl. 428-108.000.
- Carey, William S.: *See—*
  - Chen, Fu; and Carey, William S., 4,849,129, Cl. 252-181.000.
  - Chen, Fu; and Carey, William S., 4,863,614, Cl. 210-699.000.
  - Chen, Fu; and Carey, William S., 4,868,263, Cl. 526-312.000.
- Carey-Yard, Andrew S., to Kango Wolf Power Tools Limited. Void/-lift meter. 4,794,697, 1-3-89, Cl. 33-1.00Q.
- Carey-Yard, Andrew S., to Kango Wolf Power Tools Limited. Tool for stone-blowing. 4,850,752, 7-25-89, Cl. 406-153.000.
- Carfagnini, Italo, to SO.F.TER. S.p.A. Plasto-elastomeric compositions from polyolefins and EPDM terpolymers. 4,835,204, 5-30-89, Cl. 524-291.000.
- Carganico, Germano: *See—*
  - Cozzi, Paolo; Ferti, Corrado; Salvati, Patricia; Carganico, Germano; and Pillan, Antonio, 4,882,347, Cl. 514-396.000.
- Cargile, William P.; Freeman, Richard D.; and Lyon, James M., to Thumbscan, Inc. Solid state key for controlling access to computer systems and to computer software and/or for secure communications. 4,819,267, 4-4-89, Cl. 380-23.000.
- Cargill, Incorporated: *See—*
  - Brinkman, Larry F., 4,868,298, Cl. 540-525.000.
  - Theuninck, Duane H.; and Downs, Daniel, 4,851,244, Cl. 426-74.000.
  - Yalamanchili, Bhaskar; Wisniewski, Frank; and Boudreaux, Thad, 4,853,032, Cl. 75-10.490.
- Cargnel, Gianangelo. Flexible barrier for arresting falling rocks. 4,819,915, 4-11-89, Cl. 256-12.500.
- Cargnel, Louis A., to Westinghouse Electric Corp. Lubricating composition. 4,857,219, 8-15-89, Cl. 252-52.00R.
- Cargo Walker, Inc.: *See—*
  - Farmer, David K., 4,832,168, Cl. 198-300.000.
  - Farmer, David K., 4,867,202, Cl. 137-625.660.
- Cargould, Barry D., to Eagle-Picher Industries, Inc. Conveyor for tire uniformity measurement machine. 4,846,334, 7-11-89, Cl. 198-346.200.
- Cargould, Barry D.; and Beebe, James C., to Eagle-Picher Industries, Inc. Tire testing machine having adjustable bead width. 4,852,398, 8-1-89, Cl. 73-146.000.
- Carian, Peter J.: *See—*
  - Brook, Arthur H.; Carian, Peter J.; Katzin, Leonard; Landsinger, Edmund E.; Moore, James D.; Rotter, Leah D.; and Schreiber, Stanley, 4,875,469, Cl. 128-26.000.
- Caribbean Stud Enterprises, Inc.: *See—*
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- Caribonum Ltd.: *See—*
  - Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, 4,884,908, Cl. 400-241.200.
  - Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, 4,886,386, Cl. 400-241.400.
- Caridi, Frank J., to Dresser Industries, Inc. Coating composition and method to increase electrophoretic film thickness. 4,810,738, 3-7-89, Cl. 524-317.000.
- Carignan, Donald A.: *See—*
  - Heft, Dallas E.; and Carignan, Donald A., 4,840,474, Cl. 350-572.000.
- Carim, Hatim M., to Minnesota Mining and Manufacturing Company. Bioelectrode having a galvanically active interfacing material. 4,846,185, 7-11-89, Cl. 128-641.000.
- Carini, David J.; Duncia, John J. V.; and Yoo, Sung-Eun, to Du Pont de Nemours, E. I., and Company. Angiotensin II receptor blocking benzimidazoles. 4,880,804, 11-14-89, Cl. 514-234.500.
- Carini, Ed, to Astro-Stream Corporation, The. Squeeze sport. 4,871,170, 10-3-89, Cl. 273-126.00R.
- Carino, John W., to North American Philips Corporation. Capacitor assembly with anchoring means for a layered capacitor. 4,802,063, 1-31-89, Cl. 361-433.000.
- Carioti, John V.; and Jobbins, Richard M., to Allied-Signal Inc. Carboxylate polymers and processes for their preparation and use. 4,808,668, 2-28-89, Cl. 525-329.900.
- Carisey, Camille: *See—*
  - Dupoy, Marc; Dumesnil, Patrice; Mongault, Jacques; and Carisey, Camille, 4,818,871, Cl. 250-308.000.
- Carithers, Charles H., Jr. Apparatus for cutting V-grooves in mats. 4,798,118, 1-17-89, Cl. 83-875.000.
- Carithers, Charles H., Jr. Circular mat cutting apparatus. 4,878,409, 11-7-89, Cl. 83-466.000.
- Carkin, Gerald E.: *See—*
  - Becker, Aaron J.; Graddy, G. Edward, Jr.; Libby, Stephen C.; Carkin, Gerald E.; and van Linden, Jan H. L., 4,830,881, Cl. 427-230.000.
- Carl, Dan E.: *See—*
  - Young, William E.; and Carl, Dan E., 4,870,824, Cl. 60-723.000.
- Carl Edelmann Verpackungstechnik GmbH: *See—*
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- Carl Freudenberg, Firma: *See—*
  - Andra, Rainer; Kurr, Klaus; Ullrich, Gunter; and Dorge, Udo, 4,873,887, Cl. 74-573.00F.
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  - Eckel, Hans-Gerd; Grassmuck, Volker; Jorg, Benno; Kurr, Klaus; and Sommer, Eberhard, 4,850,244, Cl. 74-574.000.
  - Ehrmann, Peter; Spies, Karl-Heinz; and Vogt, Rolf, 4,886,281, Cl. 277-47.000.
  - Fottinger, Walter; Hauber, Michael; and Weghmann, Arnold, 4,886,527, Cl. 55-156.000.
  - Franz, Rainer; Idigkeit, Werner; Loschmann, Hartmut; Rohner, Gerhard; and Kurr, Klaus, 4,836,515, Cl. 267-219.000.
  - Frey, Gunter; and Wagner, Rudolf, 4,881,344, Cl. 47-77.000.
  - Giesen, Monika; and Hubbuch, Magdalene, 4,826,809, Cl. 514-2.000.
  - Graf, Gunter; Gross, Heinz; and Sponagel, Stefan, 4,850,097, Cl. 29-511.000.
  - Graf, Gunter; Gross, Heinz; and Sponagel, Stefan, 4,861,536, Cl. 264-108.000.
  - Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, 4,852,424, Cl. 74-574.000.
  - Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, 4,854,751, Cl. 384-537.000.
  - Halder, Hans-Joerg, 4,878,767, Cl. 384-140.000.
  - Hamaekers, Arno; and Rudolph, Axel, 4,840,359, Cl. 267-140.100.
  - Hausdorf, Jorg; Kandler, Joachim; and Siekermann, Volker, 4,799,967, Cl. 134-38.000.
  - Hempel, Jurgen, 4,822,548, Cl. 264-209.200.
  - Neuthard, Erich; and Steinert, Klaus-Albrecht, 4,809,864, Cl. 220-86.00R.
  - Rohner, Gerhard; Idigkeit, Werner; and Kurr, Klaus, 4,872,652, Cl. 267-140.100.

  - Schmitt, Wolfgang, 4,844,255, Cl. 277-23.000.
  - Schwerdt, Hans-Werner, 4,817,926, Cl. 267-140.100.
  - Sciortino, Giacomo, 4,796,876, Cl. 267-140.100.
  - Sciortino, Giacomo, 4,834,351, Cl. 267-140.100.
  - Seifert, Heinz; and Eckel, Hans-Gerd, 4,825,718, Cl. 74-574.000.
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  - Sacher, Christoph, 4,878,571, Cl. 192-48.910.
- Carl Manufacturing Co., Ltd.: *See—*
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- Carl, Richard M.; and Potochnik, Ventzel J., to Chrysler Motors Corporation. Harness retainer stud. 4,822,224, 4-18-89, Cl. 411-82.000.
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  - Henschel, Walter, Melzer, Gerhard; and Kunstmann, Uwe, 4,865,798, Cl. 264-518.000.
  - Jatho, Ralf; Hintz, Gerhart; and Keller, Guenter, 4,836,031, Cl. 73-800.000.
  - Jost, Gerhard, 4,821,581, Cl. 73-861.360.
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  - Schonfeld, Harald; Jarschel, Rainer; and Frank, Helmut, 4,803,882, Cl. 73-462.000.
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- Carl Schmale GmbH & Co. KG: *See—*
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  - Freermann, Johannes, 4,881,479, Cl. 112-262.300.
- Carl Still GmbH & Co. KG, Firma: *See—*
  - Lorenz, Kurt; Dungs, Horst; Rudel, Manfred; and Kemper, Klaus-Dieter, 4,832,795, Cl. 202-228.000.
- Carl Strutz & Company, Inc.: *See—*
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- Carl, William E.; and McGohon, Ronald W., to GTE Products Corporation. Method and apparatus for conductive film detection. 4,842,147, 6-27-89, Cl. 209-575.000.
- Carl, William P.; Tasset, Emmett L.; and Aikman, Robert E., Jr., to Dow Chemical Company, The. Stratified fibrous fluoropolymer compositions and process for forming such fluoropolymers. 4,859,745, 8-22-89, Cl. 525-276.000.
- Carl, William P.: *See—*
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  - Dietrich, Peter; and Bendele, Hanns J., 4,807,980, Cl. 350-526.000.
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  - Enderle, Eckhard; and Schepperle, Karl, 4,815,214. Cl. 33-832.000.
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  - Gerlinger, Hermann; Hohberg, Gerhard; and Schneider, Horst, 4,802,763, Cl. 356-319.000.
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  - Heynacher, Erich, 4,802,309, Cl. 51-62.000.
  - Heynacher, Erich; Beckstette, Klaus; and Schmidt, Michael, 4,850,152, Cl. 51-165.710.
  - Kuchel, Michael, 4,872,755, Cl. 356-360.000.
  - Kunzmann, Horst; Schepperle, Karl; Trieb, Gerhard; and Waldele, Franz, 4,819,339, Cl. 33-503.000.
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  - Torge, Reimund, 4,813,783, Cl. 356-358.000.
  - Westphal, Klaus, 4,878,757, Cl. 356-432.000.
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  - Breyer, Karl-Hermann; Schepperle, Karl; Georgi, Bernd; and Wimmer, Martin, 4,835,718, Cl. 364-560.000.
  - Breyer, Karl-Hermann; Herzog, Klaus; and Szenger, Franz, 4,882,848, Cl. 33-559.000.
  - Enderle, Eckhard; Kaufmann, Dieter; Muller, Helmut; and Andrzejewski, Thomas, 4,888,877, Cl. 33-559.000.
  - Kurbitz, Gunther; Simon, Karl-Heinz D.; and Weinheimer, Hans-Richard, 4,842,247, Cl. 250-342.000.
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- Carlberg, Bob L.; Wolf, Nicholas O.; Pober, Kenneth W.; and Nash, William D., to Conoco Inc. Inhibition of reservoir scale. 4,860,829, 8-29-89, Cl. 166-279.000.
- Carlberg, Kristine E.; and Lindsey, Carole B., to Eastman Kodak Company. Ice making method using ice nucleating microorganisms. 4,796,805, 1-10-89, Cl. 239-2.200.
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- Carley, H. Edwin; and Sharma, Ashok K., to Rohm and Haas Company. N-acetonylbenzamides and their use as fungicides. 4,822,90 4-18-89, Cl. 558-14.000.
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- Carlier, Patrick; Simond, Jacques A.; and Monteil, Andre J., to Riom Laboratories C.E.R.M. New substituted piperidine or azepine compounds which have useful calcium-antagonistic activity. 4,820,70 4-11-89, Cl. 514-212.000.
- Carlier, Patrick, Simond, Jacques A.; and Monteil, Andre J., to Riom Laboratories C.E.R.M. Substituted 3-piperidinamines or 3-azepinamines, the preparation thereof and their applications in therapy. 4,822,792, 4-18-89, Cl. 514-212.000.
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- Carlile, Ed. Collapsible cart assembly. 4,865,346, 9-12-89, Cl. 280-654.000.
- Carlin, Frank J.; and Wafford, Terrell F., to Baker Hughes Incorporated. Threaded connection for pipes and method of fabricating same. 4,796,928, 1-10-89, Cl. 285-334.000.
- Carlin, Frank J.; and Wafford, Terrell F., to Baker Hughes Incorporated. Method of fabricating threaded connection for pipes. 4,838,068, 6-13-89, Cl. 72-340.000.
- Carlin, John A.; Guberud, Robert B.; and Mobeck, William L., to TankTech, Inc. Leak detector. 4,850,223, 7-25-89, Cl. 73-49.200.
- Carlin, Josephine R.; Rasmusson, Gary H.; and VandenHeuvel, W. J. A., to Merck & Co., Inc. Oxidized analogs of 17β-N-monosubstituted-carbamoyl-4-aza-5-α-androstan-3-ones. 4,845,104, 7-4-89, Cl. 514-284.000.
- Carlin, Richard T.; and Dunbobbin, Brian R., to Air Products and Chemicals, Inc. Catalysts for absorptive air separation. 4,800,07 1-24-89, Cl. 423-210.500.
- Carline, Wallace. Method and apparatus for cutting a submerged object into pieces. 4,799,826, 1-24-89, Cl. 405-191.000.
- Carling O'Keefe Breweries of Canada Limited: *See—*
  - Ghosh, Asim; and Toukmanian, Aram H., 4,798,300, Cl. 215-10.000.
- Carlingswitch, Inc.: *See—*
  - Krasij, Bohdan, 4,812,793, Cl. 335-8.000.
  - Sorenson, Richard W.; Ives, Milton N.; and Sapone, Frank P., 4,803,314, Cl. 200-11.00J.
  - Sorenson, Richard W., 4,853,505, Cl. 200-315.000.
- Carlini, Filippo M.: *See—*
  - Bornengo, Giorgio; Carlini, Filippo M.; Marabini, Anna; and Alesse, Vittorio, 4,851,037, Cl. 75-2.000.
  - Guglielmo, Giorgio; Conte, Lino; and Carlini, Filippo M., 4,827,024, Cl. 560-300.000.
- Carlino, Charles. Windbreaker for a convertible automobile. 4,850,4 7-25-89, Cl. 296-180.100.
- Carlisi, Joseph: *See—*
  - DiRe, Felix M.; and Carlisi, Joseph, 4,836,546, Cl. 273-138.00A.
- Carlisle, Arthur W.; Darden, Bruce V.; and Myers, Clyde J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber connector. 4,812,009, 3-14-89, Cl. 350-96.210.
- Carlisle, Billy M., Jr. Universal accumulator. 4,835,986, 6-6-89, Cl. 62-503.000.
- Carlisle Corporation: *See—*
  - Backenstow, Don E.; Cotsakis, Daniel J.; and Gish, Larry E., 4,849,268, Cl. 428-57.000.
  - Harlow, Norman R., 4,801,501, Cl. 428-383.000.
  - Harlow, Norman R., 4,826,725, Cl. 428-375.000.
  - Resan, Stevan A., 4,841,706, Cl. 52-410.000.
- Carlisle, Robert: *See—*
  - Browning, Shane C.; Carlisle, Robert; and Wright, Alexander H., 4,870,979, Cl. 131-196.000.
- Carlisle, Thomas P.; Thek, Mark R.; and Suchannek, Rudolph G., to Hughes Aircraft Company. Multipactor device with radioactive electron source. 4,816,785, 3-28-89, Cl. 333-99.0MP.
- Carlisle Tire & Rubber Company: *See—*
  - Mullen, Paul A., 4,848,058, Cl. 52-585.000.

- Carlo Erba Strumentazione S.p.A.: *See—*
  - Munari, Fausto; Ostan, Giovanni; and Tosi, Bruno, 4,863,871, Cl. 436 161.000.
  - Trisciani, Adriano; and Carera, Rosolino, 4,835,109, Cl. 436-178.000.
- Carlo Geoffrey Richard Monticolombi: *See—*
  - Monticolombi, Carlo G.; and Norris, James M., 4,805,910, Cl. 273-153.00R.
- Carlo, Gulmini, to Govoni, SpA. System for recovering, selecting and recycling rejected plastic containers. 4,884,386, 12-5-89, Cl. 53-438.000.
- Carlon Company, The: *See—*
  - Fochler, Helmut P.; Urkewich, Joseph; and Sauerbrei, Daryl J., 4,864,080, Cl. 174-65.00G.
- Carlos, Donald D.: *See—*
  - Tibs, Omar; Culbertson, Billy M.; and Carlos, Donald D., 4,814,223, Cl. 428-246.000.
- Carlotto, John A.: *See—*
  - Bannister, A. Karen; Brandriff, Kristen; Carlotto, John A.; DiDonato, Richard J.; Haigh, Virginia; and Sirois, Edmond, 4,796,443, Cl. 63-14.500.
- Carlough, Mark S.; and Meszaros, Laszlo A., to Sandoz Ltd. One-bath dyeing of polyester-cellulosic blends using disperse and sulfur dyes. 4,801,303, 1-31-89, Cl. 8-532.000.
- Carlquist, Mats; Jornvall, Hans; Forssmann, Wolf-Georg; Thulin, Lars; Johansson, Catja; and Mutt, Viktor, to Kabigen AB; and Skandigen AB. Human intestinal hormone and its use. 4,806,336, 2-21-89, Cl. 424-9.000.
- Carlquist, Mats: *See—*
  - Gafvelin, Guro; Carlquist, Mats; and Mutt, Viktor, 4,840,785, Cl. 424-9.000.
- Carlqvist, Stig G., to Stig G. Carlqvist Motor Consultant (C.M.C.). Method and arrangement in heat engines. 4,815,291, 3-28-89, Cl. 60-520.000.
- Carlsen, James A.: *See—*
  - Regan, James B.; Ikovich, George J.; Carlsen, James A.; Juelich, Richard J.; and Kogel, Henry G., 4,878,452, Cl. 114-293.000.
- Carlsen, Richard A., to John Brown, Inc. Die-lip adjusting mechanism. 4,854,844, 8-8-89, Cl. 425-141.000.
- Carlsmith, Lawrence A.: *See—*
  - Luthi, Oscar; Lewis, Frederick S.; and Carlsmith, Lawrence A., 4,808,265, Cl. 162-60.000.
- Carlson, Allan I., to North American Philips Corporation. Apparatus for addressing active displays. 4,870,399, 9-26-89, Cl. 340-811.000.
- Carlson, Allan I., to North American Philips Corporation. Apparatus for addressing active displays. 4,890,101, 12-26-89, Cl. 340-811.000.
- Carlson, Arthur W.: *See—*
  - Maxwell, Ronald M.; and Carlson, Arthur W., 4,825,780, Cl. 108-144.000.
- Carlson, Bertyl W.: *See—*
  - Anderson, Robert K.; Foster, Ruth E.; and Carlson, Bertyl W., 4,828,210, Cl. 248-229.000.
- Carlson, Carl J.: *See—*
  - Coon, Warren; and Carlson, Carl J., 4,829,395, Cl. 360-104.000.
- Carlson, Chesley F., to Chesley F. Carlson Company. Step and repeat system. 4,855,793, 8-8-89, Cl. 355-53.000.
- Carlson, Christopher M.; and Deninno, Nicholas, to ITT Corporation. Adaptive blanking interface apparatus for self-protection jamming equipment employed in conjunction with radar systems. 4,876,545, 10-24-89, Cl. 342-14.000.
- Carlson, Clifford H.: *See—*
  - Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
- Carlson, Danis R., to Dan Carlson Scientific Enterprises, Inc. Process for treating plants. 4,834,789, 5-30-89, Cl. 71-117.000.
- Carlson, David E.; Dickson, Charles R.; and D'Aiello, Robert V., to Solarex Corporation. Electrical contacts for a thin-film semiconductor device. 4,854,974, 8-8-89, Cl. 136-244.000.
- Carlson, Dennis L., to Kelley Company Inc. Vehicle restraint. 4,865,508, 9-12-89, Cl. 414-401.000.
- Carlson, Dennis L.: *See—*
  - Fingerson, Conrad F.; Carlson, Dennis L.; Nelson, Bruce A.; and Eickhoff, Robert D., 4,874,180, Cl. 273-416.000.
- Carlson, Donald E.: *See—*
  - Martin, John R.; and Carlson, Donald E., 4,859,270, Cl. 156-361.000.
- Carlson, Drew E., to Rhode Island Hospital. Conductance catheter. 4,840,182, 6-20-89, Cl. 128-694.000.
- Carlson, Elmer V., to Industrial Research Products, Inc. Cleanable in-the-ear electroacoustic transducer. 4,800,982, 1-31-89, Cl. 181-130.000.
- Carlson, Elmer V., to Industrial Research Products, Inc. Passive ear protector. 4,807,612, 2-28-89, Cl. 128-868.000.
- Carlson, Elmer V., to Industrial Research Products, Inc. Hearing aid transducer. 4,867,267, 9-19-89, Cl. 181-130.000.
- Carlson, Emery J.; Armor, John N.; Cunningham, William J.; and Smith, Addison M., to Allied-Signal Inc. Chromium aerogel method of producing same and fluorinating process utilizing same. 4,828,818, 5-9-89, Cl. 423-607.000.
- Carlson, Eric J., to Motorola, Inc. Digital poly-phase pulse compressor. 4,833,479, 5-23-89, Cl. 342-194.000.
- Carlson, Franklin B.: *See—*
  - Binning, Jack E.; Ferraro, Frances M.; and Carlson, Franklin B., 4,869,833, Cl. 210-761.000.
- Carlson, Gary F.: *See—*
  - Krupnick, Steven B.; and Carlson, Gary F., 4,867,146, Cl. 128-858.000.
- Carlson, Gary M.: *See—*
  - Dammann, Laurence G.; Blakley, Brent A.; and Carlson, Gary M., 4,855,383, Cl. 528-51.000.
- Carlson, Gerald L.: *See—*
  - Byers, William A.; Carlson, Gerald L.; and Bellows, James C., 4,801,551, Cl. 436-133.000.
- Carlson, James O. Screed extender with berm-forming screed. 4,818,140, 4-4-89, Cl. 404-118.000.
- Carlson, Jason L.: *See—*
  - Perkins, Rodney C.; and Carlson, Jason L., 4,817,609, Cl. 128-420.600.
- Carlson, Jerrold L., to E. F. Johnson Company. Graphite trace electrical interconnect. 4,889,961, 12-26-89, Cl. 29-846.000.
- Carlson, John C., to General Electric Company. Closed loop machining system calibration. 4,816,729, 3-28-89, Cl. 318-568.000.
- Carlson, John H., to Quincy Technologies, Inc. Uniform wall flexspline. 4,817,457, 4-4-89, Cl. 74-640.000.
- Carlson, John T. Mixing apparatus. 4,880,312, 11-14-89, Cl. 366-130.000.
- Carlson, Joseph W., to University of California, The Regents of the. Rapid MRI using multiple receivers producing multiply phase-encoded data derived from a single NMR response. 4,857,846, 8-15-89, Cl. 324-309.000.
- Carlson, Joseph W., to University of California, The Regents of the. Widened and shaped MRI surface coil having increased signal-to-noise ratio. 4,878,022, 10-31-89, Cl. 324-318.000.
- Carlson, Joseph W.: *See—*
  - Crooks, Lawrence E.; and Carlson, Joseph W., 4,820,988, Cl. 324-318.000.
- Carlson, Kenneth A.; LeBrun, John F.; Giacomazzo, Salvatore; and Saperia, Jonathan D., to Wang Laboratories, Inc. Electronic processing system using printer and microprocessor to create forms template with pre-printed forms. 4,809,220, 2-28-89, Cl. 364-900.000.
- Carlson, Kurt: *See—*
  - Coury, Arthur J.; Hobot, Christopher M.; and Carlson, Kurt, 4,873,308, Cl. 528-75.000.
- Carlson, Larry W.; and Herman, Harold, to United States of America, Energy. Continuous cryopump with a method for removal of solidified gases. 4,838,035, 6-13-89, Cl. 62-55.500.
- Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, to Spectra Physics, Inc. Gas resupply valve with microscopic aperture for gas lasers. 4,815,100, 3-21-89, Cl. 372-58.000.
- Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, to Spectra Physics, Inc. Valve with metal diaphragm and flat surface valve body. 4,846,440, 7-11-89, Cl. 251-129.170.
- Carlson, Lee R.: *See—*
  - DeBell, Gary W.; Wright, David L.; Ruddock, Kenneth A.; Petersen, Alan B.; Carlson, Lee R.; and Von Gunten, Marc K., 4,809,293, Cl. 372-98.000.
- Carlson, Norman R.: *See—*
  - McWhirter, Vernie C.; Pickett, James E.; and Carlson, Norman R., 4,878,180, Cl. 364-507.000.
- Carlson, Randolph S., to XOC Devices, Inc. Packaging system for stacking integrated circuits. 4,862,249, 8-29-89, Cl. 357-80.000.
- Carlson, Rene C. Disposable evaporative cooler pad assembly. 4,833,896, 5-30-89, Cl. 62-304.000.
- Carlson, Richard A. Chess games. 4,856,789, 8-15-89, Cl. 273-261.000.
- Carlson, Richard A.: *See—*
  - DiGiovacchino, David J.; Carlson, Richard A.; Jonas, Rodger H.; and Marion, Sheila, 4,800,096, Cl. 426-577.000.
- Carlson, Richard O.: *See—*
  - Glascock, Homer H., II; and Carlson, Richard O., 4,828,597, Cl. 65-42.000.
- Carlson, Robert L., to Ford Motor Company. Electrochromic optical shutter. 4,805,996, 2-21-89, Cl. 350-357.000.
- Carlson, Robert S. Hand held drilling tool for removing spot welds. 4,830,550, 5-16-89, Cl. 408-72.00R.
- Carlson, Roger W.: *See—*
  - Robeson, John D.; Carlson, Roger W.; and Fritts, Rex E., 4,831,226, Cl. 219-10.55B.
- Carlson, Rolland D.: *See—*
  - Bird, Kimon T.; and Carlson, Rolland D., 4,869,017, Cl. 47-1.400.
- Carlson, Ronald C., to Perkin-Elmer Corporation, The. Apparatus and method to distinguish between oil and gas combustion by remote observation using an infrared spectrometer. 4,810,884, 3-7-89, Cl. 250-338.500.
- Carlson, Sterling R. Printing press idle roller braking system. 4,889,211, 12-26-89, Cl. 188-68.000.
- Carlson Systems Corporation: *See—*
  - Montgomery, Rodney L., 4,801,130, Cl. 269-37.000.
- Carlson, Thomas C.: *See—*
  - Russell, I. Jon; Carlson, Thomas C.; and Vipraio, Gilbert A., 4,823,807, Cl. 128-773.000.
- Carlson, Thommy, to Nestec S.A. Antioxidant surfactants. 4,888,133, 12-19-89, Cl. 252-400.610.
- Carlson, Timothy L.: *See—*
  - Ward, John W.; Carlson, Timothy L.; and Millman, William S., 4,826,587, Cl. 208-111.000.
  - Ward, John W.; and Carlson, Timothy L., 4,877,762, Cl. 502-77.000.
- Carlson, Todd S.: *See—*
  - Laessle, David L.; Carlson, Todd S.; Krochmalny, Andrew J.; and Anderson, Leroy C., 4,871,296, Cl. 415-123.000.

Carlson, Ulf: *See—*
Helmer, Ulla; Johansen, Randi; and Carlson, Ulf, 4,816,073, Cl. 106-238.000.
Carlson, Vincent; Fenlon, Michael N.; Mansur, Robert P.; and Kadomiya, Ronald H., to Minolta Camera Kabushiki Kaisha. Keyboard to prevent erroneous simultaneous activation of keys. 4,859,100, 8-22-89, Cl. 400-715.000.
Carlson, Warner P.; Wirth, Lawrence W.; and Parks, Dale B., to Eastman Kodak Company. Disk-loading station for automated disk library. 4,817,071, 3-28-89, Cl. 369-36.000.
Carlson, Wesley R.: *See—*
Webb, Frederick W., Jr.; Almendinger, Allen D.; Bright, Kevin L.; Hendren, Kenneth J.; Petersen, Donald D.; Dandrea, Michael B.; and Carlson, Wesley R., 4,819,162, Cl. 364-401.000.
Carlson, William C.: *See—*
Radford, Kenneth C.; and Carlson, William C., 4,826,630, Cl. 252-478.000.
Carlson, William P. Leaf vacuum and shredder. 4,875,630, 10-24-89, Cl. 241-56.000.
Carlson, William R.; and Piplica, Eugene J., to Westinghouse Electric Corp. Spectral shift reactor. 4,826,647, 5-2-89, Cl. 376-209.000.
Carlsson, Claes G.: *See—*
Borgstrom, Leonard; Carlsson, Claes G.; Franzen, Peter; Inge, Claes; Lagerstedt, Torgny; Moberg, Hans; and Nabo, Olle, 4,861,329, Cl. 494-73.000.
Carlsson, Ingemar: *See—*
Jarvenkyla, Jyri; and Carlsson, Ingemar, 4,867,928, Cl. 264-508.000.
Carlsson, Karl L.: *See—*
Larsson, Karl-Erik; and Carlsson, Karl L., 4,834,307, Cl. 242-245.000.
Carlsson, Kurt, to Flakt AB. Method for cleansing a contaminated medium in a contact reactor. 4,795,566, 1-3-89, Cl. 210-675.000.
Carlsson, Lars, to AB Tetra Pak. Arrangement on packing containers. 4,801,078, 1-31-89, Cl. 229-123.200.
Carlsson, Lars; Martensson, Kjell; and Melle, Hans-Georg, to Tetra Pak International AB. Opening arrangement on packing containers. 4,819,839, 4-11-89, Cl. 222-541.000.
Carlsson, Lars-Olof: *See—*
Lassi, Karl-Gunnar; and Carlsson, Lars-Olof, 4,830,307, Cl. 242-84.50A.
Carlsson, Leif E. C., to Prodec Inter AB. Method and apparatus for separating fine and coarse materials from excavated materials. 4,805,703, 2-21-89, Cl. 171-132.000.
Carlsson, Lennart: *See—*
Andersson, Olle; and Carlsson, Lennart, 4,800,992, Cl. 188-4.00B.
Carlsson, Per A. E.: *See—*
Arvidsson, Folke L. E.; Carlsson, Per A. E.; Hacksell, Uli A.; Hjorth, John S. M.; Johansson, Anette M.; and Lindberg, Per L., 4,876,284, Cl. 514-657.000.
Carlsson, Per-Olof A. V.: *See—*
Aall-Flood, Kjell J.; and Carlsson, Per-Olof A. V., 4,846,787, Cl. 604-5.000.
Carlsson, Per-Olov A., to Gambro AB. Coupling components. 4,824,145, 4-25-89, Cl. 285-38.000.
Carlsson, Sune R.: *See—*
Jonsson, Olov T.; and Carlsson, Sune R., 4,813,860, Cl. 425-142.000.
Carlsson, Tage; and Sandberg, Jan, to ASEA Aktiebolag. Synchronous machine. 4,859,887, 8-22-89, Cl. 310-59.000.
Carlstedt, Kenneth T.; and Penn, Richard S., to Tecon, Inc. Apparatus for digitizing a composite video signal. 4,876,598, 10-24-89, Cl. 358-160.000.
Carlsten, Ronald W., to International Business Machines Corporation. Sense circuit for detecting absence of a pulse train. 4,845,379, 7-4-89, Cl. 328-120.000.
Carlton Associates: *See—*
Carlton, William C.; and England, Margaret P., 4,867,449, Cl. 273-29.00R.
Carlton, Bernard J.; and Downs, David R., to Marq Packaging Systems, Inc. Computer adjustable case handling machine. 4,821,203, 4-11-89, Cl. 364-478.000.
Carlton, Dale E.; Baker, Clifford E.; and Henricksen, Ronald M., to Tektronix, Inc. Method and apparatus for evaluating jitter. 4,876,655, 10-24-89, Cl. 364-487.000.
Carlton, Donald G., to Fibergrate Corporation. Hold-down clamp. 4,798,029, 1-17-89, Cl. 52-177.000.
Carlton, Richard J., to Phase 2 Automation. Walking beam gripper. 4,865,509, 9-12-89, Cl. 414-416.000.
Carlton, Wayne. Animal call device holder and assembly. 4,883,171, 11-28-89, Cl. 206-315.110.
Carlton, William C., and England, Margaret P., to Carlton Associates. Electrically operated line monitor for tennis. 4,867,449, 9-19-89, Cl. 273-29.00R.
Carlucci, Vito; and Kunz, Raymond, to Clairol Incorporated. Waterproof switch assembly for electrical appliances. 4,879,443, 11-7-89, Cl. 200-293.100.
Carlyle, Richard. Automobile window shield and covering. 4,811,982, 3-14-89, Cl. 296-95.100.
Carmack, Paul D.: *See—*
Nitzberg, Leonard R.; and Carmack, Paul D., 4,800,913, Cl. 137-68.100.
Nitzberg, Leonard R.; and Carmack, Paul D., 4,827,960, Cl. 137-68.100.
Nitzberg, Leonard R.; and Carmack, Paul D., 4,827,961, Cl. 137-68.100.
Carman, Edward R. Golf club holster. 4,838,416, 6-13-89, Cl. 206-315.200.
Carman, Justice N.: *See—*
Hoffman, Gregory C.; Logan, Mark A.; and Carman, Justice N., 4,845,366, Cl. 250-425.000.
Carman, R. Jan; Fitzgibbons, Michael R.; and Sweety, James A., to Ferranti Subsea Systems, Inc. Method and apparatus for remote control of an underwater valve. 4,805,657, 2-21-89, Cl. 137-68.200.
Carme, Christian E.; and Roure, Alain R., to Centre National de la Recherche Scientifique. Method and apparatus for attentuating external origin noise reaching the eardrum, and for improving intelligibility of electro-acoustic communications. 4,833,719, 5-23-89, Cl. 381-72.000.
Carmean, Ronald E., to Nicolet Instrument Corporation. X-ray sensitive camera pick-up tube. 4,835,379, 5-30-89, Cl. 250-213.0VT.
Carmean, Ronald E., to Nicolet Instrument Corporation. Gated video mixer. 4,855,832, 8-8-89, Cl. 358-183.000.
Carmely, Shmuel: *See—*
Kashman, Yoel; Spector, Ilan; Carmely, Shmuel; and Blasberger, Dina, 4,857,538, Cl. 514-369.000.
Carmen, Raleigh A.; Chong, Chiyong; and Leng, Barry S., to Miles Laboratories, Inc. Red blood cell filtering system. 4,810,378, 3-7-89, Cl. 210-206.000.
Carmen, Raleigh A.; Chong, Chiyong, and Leng, Barry S., to Miles Laboratories, Inc. Red blood cell filtering system. 4,855,063, 8-8-89, Cl. 210-749.000.
Carmen, Ralph, to Superior Electric Company, The. Magnetoresistive sensor having inter-leaved magnetoresistive elements for detecting encoded magnetic information. 4,853,631, 8-1-89, Cl. 324-208.000.
Carmen, Ralph; and Campbell, Peter, to Superior Electric Company. Magnetic rotary encoder system having a multi-element magnetoresistive sensor. 4,866,382, 9-12-89, Cl. 324-208.000.
Carmes, Francis, to Alsthom. Device for operating a railroad switch. 4,842,225, 6-27-89, Cl. 246-439.000.
Carmichael, Evan P.: *See—*
Covington, Roger G.; Muller, Bruce R.; Carmichael, Evan P.; and Niedospial, John J., 4,807,271, Cl. 378-182.000.
Carmichael, Even P.; Niedospial, John J.; Covington, Roger G.; and Muller, Bruce R., to Eastman Kodak Company. Photographic cassette. 4,813,063, 3-14-89, Cl. 378-182.000.
Carmichael, Hugh: *See—*
Stewart, Charles; Horrobin, David F.; and Carmichael, Hugh, 4,826,877, Cl. 514-560.000.
Carmichael, Kathleen M.: *See—*
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Carmichael, Maurice; and Binatena, Janis. Internal combustion engine scrubber. 4,877,043, 10-31-89, Cl. 134-57.00R.
Carmichael, Paul D.: *See—*
Bussian, Alfred E.; Williams, Thomas M.; Carmichael, Paul D.; and Paap, Hans J., 4,802,361, Cl. 73-61.10R.
Carmichael, Philip D.; and Finley, Thomas E., to ITT Defense Communications, A Division of ITT Corporation. Digital divider with integer and fractional division capability. 4,837,721, 6-6-89, Cl. 364-703.000.
Carmichael, Robert J.; Dykes, Charles D.; and Woodrow, Ronald, to Hazelett Strip-Casting Corporation; and USX Corporation. Method and apparatus for setting precise nozzle/belt and nozzle/edge dam block gaps. 4,830,089, 5-16-89, Cl. 164-481.000.
Carmichael, Stephen L.: *See—*
Yater, Jerry L.; and Carmichael, Stephen L., 4,860,862, Cl. 19[illegible]18.00A.
Carmichael, Thomas F., to Syncro Corporation. Ignition system. 4,829,970, 5-16-89, Cl. 123-595.000.
Carminati, Antonio; and Perillo, Andrea, to Snamprogetti, S.p.A. Method for cooling gases and/or vapors from non-ferrous metal treatment plants, and the relative apparatus. 4,878,654, 11-7-89, Cl. 266-159.000.
Carmine, Benjamin C. Attachment to a lawn trimmer. 4,803,8[illegible], 2-14-89, Cl. 56-16.900.
Carmody, Michael A.; and Lembcke, Jefferey J., to Baker Oil Tools, Inc. Subsurface well safety valve. 4,796,705, 1-10-89, Cl. 166-323.000.
Carmody, Michael J.: *See—*
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Begley, William J.; Carmody, Michael J.; and Buchanan, John M., 4,857,440, Cl. 430-382.000.
Carmon, Lawrence J., Jr., to Singleton Corporation. Plating barrel door apparatus. 4,826,038, 5-2-89, Cl. 220-345.000.
Carmona, Angel C.; and Martinez-Gomez, Gregorio. Self-centering needle-less magnetic compass. 4,848,002, 7-18-89, Cl. 33-364.000.
Carmosin, Richard J.; and Carson, John R., to McNeilab, Inc. Hexahydropyrrolizine compounds useful as analgesics. 4,800,207, 1-24-89, Cl. 514-413.000.
Carn, Patrick. Rigging, in particular for a sail board. 4,815,407, 3-28-89, Cl. 114-91.000.
Carn, Ronald C.: *See—*
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Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagami, Steven P.; and Kirk, Robert C., 4,887,076, Cl. 340-825.160.
Carnahan, Blake A.; and Ilacqua, Peter P., to General Electric Company. Stripline to stripline coaxial transition. 4,816,791, 3-28-89, Cl. 333-33.000.

Carnahan, Blake A.: *See—*
Krueger, James W., Jr.; Carnahan, Blake A.; Schill, Allan A.; Berical, Albert H.; and Younger, Cousby, Jr., 4,870,375, Cl. 333-33.000.
Carnahan, David A. Remotely variable multiple bore ram system and method. 4,825,948, 5-2-89, Cl. 166-277.000.
Carnahan, Thomas G.: *See—*
Flynn, Charles M., Jr.; and Carnahan, Thomas G., 4,888,207, Cl. 423-87.000.
Carnaud Kerplas: *See—*
Billoud, Alain; Lorin, Victor; and Vanney, Alain, 4,817,806, Cl. 215-12.100.
Carnaud S.A.: *See—*
Riviere, Maurice, 4,820,100, Cl. 413-6.000.
Carnegie Group Inc.: *See—*
Kahn, Gary S.; Pepper, Jeffrey A.; Kepner, Al N.; Richer, William; and Enand, Rajiv, 4,866,635, Cl. 364-513.000.
Carnegie-Mellon University: *See—*
Hoo, Stanley S. K.; and Re, Mark E., 4,825,318, Cl. 360-121.000.
Kaufman, William M.; and Guzman, Alberto, 4,812,826, Cl. 340-682.000.
Kryder, Mark; Cain, William C.; and Meiklejohn, William H., 4,800,457, Cl. 360-113.000.
Kung, Hsiang-Tsung; Hsu, Feng-Hsiung; Sussman, Alan L.; and Nishizawa, Teiji, 4,807,183, Cl. 364-900.000.
McFeaters, John S., 4,851,262, Cl. 427-217.000.
Carnel, Alain, to Electricite de France; and Service National and Enertec. Device for remote metering. 4,881,072, 11-14-89, Cl. 340-870.020.
Carnell, Brian L.; Fansler, John D.; and Pramanik, Mukunda B., to United States of America, Army. Cyclic control sticks for helicopters. 4,887,782, 12-19-89, Cl. 244-234.000.
Carnell, Peter J. H.; and Lywood, Warwick, to Imperial Chemical Industries PLC. Desulphurization. 4,865,826, 9-12-89, Cl. 423-230.000.
Carnell, Peter J. H.; and Denny, Patrick J., to Imperial Chemical Industries PLC. Sulphur compounds removal. 4,888,157, 12-19-89, Cl. 423-230.000.
Carnelly, Stephen: *See—*
Stancliffe, John N.; Carnelly, Stephen; Ferguson, Robert W.; and Andors, Derik K., 4,865,011, Cl. 126-77.000.
Carner, Barbara A. Fishing lure using infrared attracting means. 4,885,864, 12-12-89, Cl. 43-17.500.
Carner, Gary A.: *See—*
Lounsberry, Stephen M., III; Lounsberry, Peter C.; Rodems, James D.; and Carner, Gary A., 4,856,617, Cl. 184-3.100.
Carnes Company, Inc.: *See—*
Prochnow, Kenneth, 4,817,508, Cl. 98-41.100.
Prochnow, Kenneth E.; and Burke, Richard C., 4,858,520, Cl. 98-40.050.
Carnes, Larry N. Intake manifold with removable baffles. 4,872,424, 10-10-89, Cl. 123-52.0MV.
Carnevale, Francesco L., to Sunbeam Corporation. Electronic bath scale. 4,819,750, 4-11-89, Cl. 177-256.000.
Carnevale, Francesco L.; and Morrow, Kirk D., to Sunbeam Corporation. Bath scale. 4,836,316, 6-6-89, Cl. 177-256.000.
Carnewal, Jose A. C. L.; Mesure, Georges M.; and Van Herpe, Francois, to Ford New Holland, Inc. Modular combine harvester. 4,846,198, 7-11-89, Cl. 460-21.000.
Carnewal, Jose A. C. L.; Gunst, Wilfried E. D.; Hollevoet, Willy C.; and Jonckheere, Marc R. M., to Ford New Holland, Inc. Combine harvester cleaning apparatus. 4,863,415, 9-5-89, Cl. 460-101.000.
Carney, Donald P.: *See—*
Carney, William P.; and Carney, Donald P., 4,794,805, Cl. 73-862.470.
Carney, William P.; and Carney, Donald P., 4,876,900, Cl. 73-862.480.
Carney, Francis J.: *See—*
Knapp, James H.; Carney, George F.; and Carney, Francis J., 4,877,482, Cl. 156-643.000.
Carney, George F.: *See—*
Knapp, James H.; Carney, George F.; and Carney, Francis J., 4,877,482, Cl. 156-643.000.
Carney, Raymond V.: *See—*
Che, Tessie M.; Carney, Raymond V.; and Dotson, Duane L., 4,810,674, Cl. 501-12.000.
Carney, Robert L.; Lui, Alfred S. T.; Kuhnen, Fred; and Gruber, John M., to Sandoz Ltd. Substituted N-benzoyl-N'-thienylureas. 4,859,699, 8-22-89, Cl. 514-447.000.
Carney, Robert L.; and Brown, Thomas L., to Sandoz Ltd. Novel compositions. 4,877,899, 10-31-89, Cl. 560-262.000.
Carney, Wayne D.; and Patterson, Wayne D. Battery handling machine. 4,808,058, 2-28-89, Cl. 414-343.000.
Carney, William P.; and Carney, Donald P. Tennis racket string tension tester. 4,794,805, 1-3-89, Cl. 73-862.470.
Carney, William P.; and Carney, Donald P. Racket string tension tester. 4,876,900, 10-31-89, Cl. 73-862.480.
Carney, William V.: *See—*
De Luca, Paul V.; Carney, William V.; Neuwirth, Helmuth; and Fasano, Michael, 4,824,403, Cl. 439-714.000.
Carniglia, Francis J., to Roncari, Raymond A. Composition of matter for increasing intracellular ATP levels and physical performance levels and for increasing the rate of wound repair. 4,871,718, 10-3-89, Cl. 514-23.000.
Carnley, Franklin D.: *See—*
Peele, Camille; and Carnley, Franklin D., 4,835,851, Cl. 29-272.000.
Carnot, S.A.: *See—*
Rosado, Serafin M.; and Vallejo, Luiz E. D., 4,838,027, Cl. 60-671.000.
Caro, Richard G.; and Harmon, Troy M., to Summit Technology, Inc. High energy laser-to-waveguide coupling devices and methods. 4,842,360, 6-27-89, Cl. 350-96.180.
Caroff, Martine G.: *See—*
Bundle, David R.; Perry, Malcolm B.; Cherwonogrodzky, John W.; Duncan, J. Robert; and Caroff, Martine G., 4,831,126, Cl. 536-53.000.
Carol Cable Company, Inc.: *See—*
Varatta, Thomas R., 4,826,457, Cl. 439-755.000.
Carol, Mark P. Method and apparatus for performing stereotactic surgery. 4,805,615, 2-21-89, Cl. 128-303.00B.
Carol, Mark P. Flexible support arm for medical instruments. 4,827,926, 5-9-89, Cl. 128-303.00R.
Carolina Masters, Inc.: *See—*
Blankenship, James E., 4,858,384, Cl. 49-460.000.
Carolina Medical Products Company, Inc.: *See—*
Olsen, James L., 4,837,015, Cl. 424-79.000.
Carolina Medical Products, Inc.: *See—*
Olsen, James L., 4,837,029, Cl. 424-451.000.
Olsen, James L., 4,837,211, Cl. 514-175.000.
Caroline Christ, abgasfreie Werkzeugreinigungsapparate fur die Kunststoffindustrie: *See—*
Schmidt, Rudolf, 4,848,379, Cl. 134-7.000.
Caroll, James E.; and Zillig, Steven R. Controlled leak path. 4,875,709, 10-24-89, Cl. 285-14.000.
Carolla, Donald J., to Minnesota Mining and Manufacturing Company. Supersensitization of and reduction of dark decay rate in photoconductive films. 4,820,620, 4-11-89, Cl. 430-84.000.
Carolla, Donald J., to Minnesota Mining and Manufacturing Company. Binder for photoconductive layer of persistent conductivity-type electrophotographic recording member. 4,822,706, 4-18-89, Cl. 430-89.000.
Carolla, Russell A.; and Gammon, Nathan A., to Goodyear Tire & Rubber Company, The. Pneumatic tire. 4,854,362, 8-8-89, Cl. 152-554.000.
Carolus, Thomas: *See—*
Rubig, Heinz; and Carolus, Thomas, 4,878,420, Cl. 98-2.080.
Caroma Industries, Ltd.: *See—*
Thompson, Bruce R., 4,882,793, Cl. 4-324.000.
Carome, Edward F., to Litton Systems, Inc. Fiber optic gradient hydrophone and method of using same. 4,799,752, 1-24-89, Cl. 350-96.150.
Carome, Edward F. Optical fiber accelerometer. 4,829,821, 5-16-89, Cl. 73-516.0LM.
Caron, Bernard G.; and Hoffer, John C., to AMP Incorporated. Packaging a bare optical fiber interconnection. 4,846,564, 7-11-89, Cl. 350-96.200.
Caron, Bernard G.; Gutterman, Pamela R.; and Murray, Dale D., to AMP Incorporated. Fiber optic connector including ferrule with filter isolator. 4,878,731, 11-7-89, Cl. 350-96.210.
Caron, Charles: *See—*
Furugard, Erik G.; and Caron, Charles, 4,821,327, Cl. 381-67.000.
Caron Compactor Co.: *See—*
Caron, James O.; and Pratt, Kenneth H., 4,865,400, Cl. 305-54.000.
Caron, Daniele; and Shroot, Braham, to Centre International de Recherches Dermatologiques (C.I.R.D.). Pharmaceutical vehicle for active substances in the form of an anhydrous gel. 4,837,213, 6-6-89, Cl. 514-179.000.
Caron, James O.; and Pratt, Kenneth H., to Caron Compactor Co. Demolition and compaction track shoe and assembly for crawler vehicle. 4,865,400, 9-12-89, Cl. 305-54.000.
Caron, Pierre: *See—*
Khan, Tasadduq; Caron, Pierre; and Raffestin, Jean-Louis, 4,837,384, Cl. 148-3.000.
Carondelet Foundry Company: *See—*
Culling, John H., 4,795,610, Cl. 420-582.000.
Culling, John H., 4,818,483, Cl. 420-45.000.
Culling, John H., 4,824,638, Cl. 420-582.000.
Culling, John H., 4,836,985, Cl. 420-582.000.
Culling, John H., 4,861,547, Cl. 420-53.000.
Culling, John H., 4,873,055, Cl. 420-582.000.
Caroon, Linald R., to A. O. & ME, Inc. Crab picking machine. 4,829,636, 5-16-89, Cl. 17-71.000.
Caroselli, Hellmut, to Hoechst Aktiengesellschaft. Threading apparatus for films. 4,821,935, 4-18-89, Cl. 226-92.000.
Carothers, Richard G.: *See—*
Bragg, Gordon M.; Carothers, Richard G.; MacLeod, Kenneth A.; and Nelson, Marvin D., 4,817,863, Cl. 236-49.400.
Carousel Commons: *See—*
Cho, David; and Steckler, Richard M., 4,884,662, Cl. 186-36.000.
Carousel Industries, Inc.: *See—*
Gold, Arthur, 4,823,738, Cl. 119-51.00R.
Carousel Investment Corporation: *See—*
Johnson, Larry B.; Curtis, Thomas K., Jr.; and Alli[illegible]ry A., 4,858,822, Cl. 229-137.000.
Carow International, Inc.: *See—*
Carow, Robert N., 4,813,577, Cl. 222-486.000.
Carow, Robert N., to Carow International, Inc. Multiple flow dispensing cap. 4,813,577, 3-21-89, Cl. 222-486.000.
Carp, Stuart L.; Swain, Howard L.; and Nguyen, Bich N., to Hewlett-Packard Company. Direct frequency synthesizer using powers of two synthesis techniques. 4,878,02[illegible], 10-31-89, Cl. 328-15.000.
Carpani, Anthony J., to Glass Containers Pty. Ltd. Machine for removing basecups from plastic bottles. 4,807,352, 2-28-89, Cl. 29-564.100.

Carpco, Inc.: *See—*
Knoll, Frank S.; and Jackson, Arnold H., 4,849,099, Cl. 209-127.100.
Carpenter, Alan E., to Alpine Map Company. Aerodynamic shell for bicycle luggage and bags. 4,813,583, 3-21-89, Cl. 224-30.00R.
Carpenter, B. Stephen; Horvath, Csaba; and Vogt, Corazon R., to University of Missouri, The Curators of The. Production of microporous finely divided matrix material with nuclear tracks from an isotropic source and product thereof. 4,830,917, 5-16-89, Cl. 428-315.500.
Carpenter, Brent, to Goodard, Dan J. Headband with multipositioned lenspiece. 4,885,808, 12-12-89, Cl. 2-452.000.
Carpenter, Carolyn R.: *See—*
Graves, William H., Jr.; Wallace, Gary W.; Bradford, Bruce P.; Carpenter, Carolyn R.; Smith, Kenneth W.; and Toft, Howard C., 4,880,018, Cl. 131-375.000.
Toft, Howard C.; Smith, Kenneth W.; and Carpenter, Carolyn R., 4,821,749, Cl. 131-575.000.
Carpenter, Charles T.; and Bayly, Robert M., to Commercial Knife, Inc. Chipper knife. 4,850,408, 7-25-89, Cl. 144-241.000.
Carpenter, Clarence W.; and Wood, Coleman. Gas metering apparatus for use with small volume, small flow gas source. 4,823,598, 4-25-89, Cl. 73-232.000.
Carpenter, Conrad L. Cane guard. 4,884,730, 12-5-89, Cl. 224-162.000.
Carpenter, Dianne M. Carrying device for strollers. 4,815,764, 3-28-89, Cl. 280-769.000.
Carpenter, Gene: *See—*
Kress, Edward S.; and Carpenter, Gene, 4,886,580, Cl. 202-228.000.
Carpenter, Grant; Lee, Fred C.; and Chen, Dan Y., to Virginia Tech Intellectual Properties, Inc. Non-destructive tester for transistors. 4,851,769, 7-25-89, Cl. 324-158.00T.
Carpenter, Jeffrey W., to Sasco Energy. Device for installing an electrical outlet box. 4,832,297, 5-23-89, Cl. 248-205.100.
Carpenter, Jerry R.: *See—*
Abramowitz, Howard M.; Carpenter, Jerry R.; and Meddles, Dennis, 4,845,545, Cl. 357-74.000.
Carpenter, John F.; Hand, Steven C.; Crowe, John H.; and Crowe, Lois M., to University of Southwestern Louisiana. Cryogenic protectant for proteins. 4,806,343, 2-21-89, Cl. 424-450.000.
Carpenter, Keith J.: *See—*
Murray, Gerald D.; Gibson, Shelby R.; Carpenter, Keith J.; Carpenter, Kenneth E.; and Carpenter, Michael R., 4,854,784, Cl. 407-114.000.
Carpenter, Kenneth E.: *See—*
Murray, Gerald D.; Gibson, Shelby R.; Carpenter, Keith J.; Carpenter, Kenneth E.; and Carpenter, Michael R., 4,854,784, Cl. 407-114.000.
Carpenter, Larry L.; Morrell, Mark L.; and Schrauth, Peter A., to Corning Incorporated. Apparatus for molding glass optical elements. 4,883,528, 11-28-89, Cl. 65-275.000.
Carpenter, Lester E.; and Waddell, Charles E., Jr., to American Tourister, Inc. Suitcase having removable divider with clothing pockets. 4,854,432, 8-8-89, Cl. 190-110.000.
Carpenter, Loren C.: *See—*
Drebin, Robert A.; and Carpenter, Loren C., 4,835,712, Cl. 364-518.000.
Carpenter, Marvin E.: *See—*
Schmidt, Edward H.; Carpenter, Marvin E.; and Walters, David W., 4,860,222, Cl. 364-550.000.
Carpenter, Michael K.: *See—*
Verbrugge, Mark W.; and Carpenter, Michael K., 4,883,567, Cl. 204-39.000.
Carpenter, Michael R.: *See—*
Murray, Gerald D.; Gibson, Shelby R.; Carpenter, Keith J.; Carpenter, Kenneth E.; and Carpenter, Michael R., 4,854,784, Cl. 407-114.000.
Carpenter, Robert. System for integrating related numerical functions. 4,843,548, 6-27-89, Cl. 364-406.000.
Carpenter, Robert B.: *See—*
Wilson, William N.; Miles, Leon H.; Boyd, Brett H.; and Carpenter, Robert B., 4,883,125, Cl. 166-291.000.
Carpenter, Robert E.; and Morrison, Robert D., to Norton Company. Device for transfer of fluid into sealable vials. 4,823,623, 4-25-89, Cl. 73-864.740.
Carpenter, Robert L.; and Swisher, Steven L., to Zebco Corporation. Quick bail opening system for fishing reel. 4,824,040, 4-25-89, Cl. 242-84.20G.
Carpenter, Roy B., Jr. Automated moisturized grounding electrode system. 4,861,940, 8-29-89, Cl. 174-6.000.
Carpenter Technology Corporation: *See—*
DeBold, Terry A.; Magee, John H., Jr.; and Schmidt, Norman B., 4,818,484, Cl. 420-46.000.
DeBold, Terry A.; Englehart, David A.; and Martin, James W., 4,832,765, Cl. 148-325.000.
Frank, Richard B., 4,844,864, Cl. 420-447.000.
Garner, Harrison A., Jr.; Hemphill, Raymond M.; McGraw, John F.; Schmidt, Michael L.; Smith, Bruce A.; and Wert, David E., 4,886,640, Cl. 420-111.000.
Harner, Leslie L.; and Frantz, Earl L., 4,853,298, Cl. 428-630.000.
Magee, John H., Jr., 4,814,140, Cl. 420-56.000.
Schmidt, Michael L.; and Hemphill, Raymond M., 4,832,909, Cl. 420-95.000.
Carpenter, Theresa L.; Sipinen, Alan J.; and Bany, Stephen W., to Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive closure for disposable diaper. 4,861,635, 8-29-89, Cl. 428-40.000.
Carpenter, Thomas L.; Fisher, William; and Smith, Thomas A., to General Foods Corp. Coating cereal with fruit juice. 4,880,645, 11-14-89, Cl. 426-89.000.
Carpenter, Thomas L.: *See—*
Bolles, Albert D.; Spradlin, Joseph E.; and Carpenter, Thomas L., 4,834,989, Cl. 426-28.000.
Carpenter, Thomas O.; and Pitha, Josef, to Children's Medical Center Corporation, The. Method of enhancing lipophile transport using cyclodextrin derivatives. 4,877,778, 10-31-89, Cl. 514-58.000.
Carpenter, Victor S. Retractable tie-down. 4,842,458, 6-27-89, Cl. 410-3.000.
Carpenter, Weda B. Fan blade cleaning device. 4,823,431, 4-25-89, Cl. 15-394.000.
Carpenter, William A.: *See—*
Matson, Don P.; and Carpenter, William A., 4,847,507, Cl. 250-551.000.
Carpentier, Alain; Koik, Victor E.; and Lane, Ernest, to Baxter International Inc. Mitral valve holder. 4,865,600, 9-12-89, Cl. 623-2.000.
Carpentier, Eugene A.: *See—*
Desai, Narendra R.; Shinal, Edward C.; Ganesan, Madurai; and Carpentier, Eugene A., 4,816,247, Cl. 424-80.000.
Carpentier, Jean-Claude; Michel, Bernard; and Sayers, Kenneth H., to Bertin & Cie. Elastic suspension blade provided with end connectors for a vehicle. 4,886,254, 12-12-89, Cl. 267-148.000.
Carpentier, Yves; and Royer, Michel, to Societe Anonyme de Telecommunications. HgCdTe avalanche photodiode. 4,801,990, 1-31-89, Cl. 357-30.000.
Carper, Robert L.; and Goewey, James R., to GenCorp Inc. Heat riveting rubber for effecting a mechanical lock. 4,822,671, 4-18-89, Cl. 428-33.000.
Carpin Manufacturing, Inc.: *See—*
Carpinella, Ralph; and Becher, Karl, 4,876,782, Cl. 29-234.000.
Carpinella, Ralph; and Becher, Karl, to Carpin Manufacturing, Inc. Apparatus for attaching a glide to a chair leg. 4,876,782, 10-31-89, Cl. 29-234.000.
Carpio S.r.l.: *See—*
Tomiolo, Andrea, 4,889,997, Cl. 250-561.000.
Carr, Albert A.; Koerner, John E.; Dage, Richard C.; Li, Tung; and Hay, David A., to Merrell Dow Pharmaceuticals Inc. Imidazole antiarrhythmics. 4,868,194, 9-19-89, Cl. 514-318.000.
Carr, Albert A.; Nieduzak, Thaddeus R.; Miller, Francis P.; and Sorensen, Stephen M., to Merrell Dow Pharmaceuticals Inc. 1,4-Disubstituted-piperidinyl compounds useful as analgesics and muscle relaxants. 4,870,083, 9-26-89, Cl. 514-317.000.
Carr, Ann M. Inflation/deflation device for balloon catheter. 4,808,165, 2-28-89, Cl. 604-97.000.
Carr, Clyde E.: *See—*
Rodino, Louis S.; and Carr, Clyde E., 4,844,212, Cl. 188-79.560.
Carr, Dale D.; and DeGeorge, Nicholas, deceased (by DeGeorge, Isabella, executrix), to Hatco Chemical Corporation. Synthetic lubricant base stock of monopentaerythritol and trimethylolpropane esters. 4,826,633, 5-2-89, Cl. 252-56.00S.
Carr, Earnest F., Jr. Orthopedic exercise glove. 4,830,360, 5-16-89, Cl. 272-67.000.
Carr, F. Patrick; Dillard, Robert D.; Marshall, Winston S.; and McCullough, Doris E., to Eli Lilly and Company. Disubstituted tetrazoles and their use as leukotriene antagonists. 4,820,722, 4-11-89, Cl. 514-381.000.
Carr, F. Patrick; Dillard, Robert D.; and McCullough, Doris E., to Eli Lilly and Company. Leukotriene antagonists and use thereas. 4,853,398, 8-1-89, Cl. 514-381.000.
Carr, F. Patrick; Dillard, Robert D.; and McCullough, Doris E., to Eli Lilly and Company. Leukotriene antagonists. 4,874,777, 10-17-89, Cl. 514-381.000.
Carr, Greg: *See—*
Anderson, Sara H.; McGeever, Jocelyne; McGeever, Casey; and Carr, Greg, 4,828,609, Cl. 75-96.000.
Carr, Harold B., to Carr, Harold Brian; and Lundy, Arnold Stephen. Marine propulsion and control arrangement. 4,815,996, 3-28-89, Cl. 440-75.000.
Carr, Harold B. Guide device for toothed roll shredder. 4,871,120, 10-3-89, Cl. 241-224.000.
Carr, Harold Brian: *See—*
Carr, Harold B., 4.815,996, Cl. 440-75.000.
Carr, Howard S.: *See—*
Maricle, Donald L.; and Carr, Howard S., 4,849,253, Cl. 427-115.000.
Carr, James L.; and Maxwell, Marvin S. Direction finding method and apparatus. 4,845,502, 7-4-89, Cl. 342-430.000.
Carr, James R.; and Sarr, Dennis P., to Boeing Company, The. Method and apparatus for gap measurement between a graphite/epoxy structure and a metallic model. 4,814,703, 3-21-89, Cl. 324-207.000.
Carr, Jim L. Aerobic skipping exercise device. 4,813,665, 3-21-89, Cl. 272-75.000.
Carr, Keith E., to Whirlpool Corporation. Cabinet construction for a dryer. 4,840,285, 6-20-89, Cl. 220-47.000.
Carr, Kenneth L., to M/A Com, Inc. Hyperthermia treatment method and apparatus. 4,815,479, 3-28-89, Cl. 128-804.000.
Carr Lane Mfg. Co.: *See—*
Okolischan, Raymond A.; Wood, William C.; and Metz, Theodore R., 4,832,325, Cl. 269-305.000.
Okolischan, Raymond A.; Wood, William C.; and Metz, Theodore R., 4,834,358, Cl. 269-309.000.
Carr, Michael A.: *See—*
Westphal, James A.; and Carr, Michael A., 4,848,003, Cl. 33-384.000.

Carr, Michael D.: *See—*
Azam, Mohammad S.; and Carr, Michael D. 4,860,103, Cl. 558-160.000.
Carr, Neil: *See—*
Eidenschink, Rudolf; Krause, Joachim; Andrews, Beatrice M.; Gray, George W.; and Carr, Neil, 4,834,905, Cl. 252-299.610.
Carr, Peter W.: *See—*
Hagen, Donald F.; St. Mary, Steven J.; Errede, Louis A.; and Carr, Peter W., 4,810,381, Cl. 210-502.100.
Carr', Sergio: *See—*
Niederjaufner, Guido; Pontoglio, Achille; Storti, Giuseppe; Morbidelli, Massimo; and Carr', Sergio, 4,795,839, Cl. 570-211.000.
Carr, Thomas N.; and Crimmins, David M., to McDermott International, Inc. Grouted closure assembly. 4,804,018, 2-14-89, Cl. 138-93.000.
Carr, Thomas W.; Rose, Philip M.; and Marsh, Alan H., to Aeronautic Development Corp. Ltd. Quiet nacelle system and hush kit. 4,817,756, 4-4-89, Cl. 181-214.000.
Carr, Timothy H.; and Felton, Donald W., to Lawless Container Corporation. Automatically-operating bottom structure. 4,856,705, 8-15-89, Cl. 229-109.000.
Carr, Timothy W.: *See—*
Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.
Carr, William N.: *See—*
Byars, Steven J.; and Carr, William N., 4,802,161, Cl. 370-94.000.
Opderbeck, Holger; Sencer, Gulay; Carr, William N.; and Byars, Steven J., 4,796,256, Cl. 370-110.100.
Carrara, Sidney L. A.: *See—*
Kim, Byoung Y.; Carrara, Sidney L. A.; and Shaw, Herbert J., 4,881,817, Cl. 356-350.000.
Carras, Andrew N.: *See—*
Grosselfinger, Robert A.; and Carras, Andrew N., 4,813,226, Cl. 60-39.200.
Carreel, Eric: *See—*
Lewiner, Jacques; Taudin, Dominique; and Carreel, Eric, 4,825,462, Cl. 379-131.000.
Carrell, Michael W.; and Gericke, Stephen H., to Rialto Enterprises, Ltd. Protective system for safe disposition of a syringe and hypodermic injection device carried thereon. 4,846,796, 7-11-89, Cl. 604-110.000.
Carrell, Ross M., to General Electric Company. Apparatus for rapidly accessing a large data base employing an optical disc reading system with multiple heads and track position compensation means. 4,871,903, 10-3-89, Cl. 235-375.000.
Carreno, Diether E.; and Morgan, Peter J., to General Electric Company. Method and apparatus for monitoring turbomachine material. 4,796,465, 1-10-89, Cl. 73-116.000.
Carrera, Armando N.: *See—*
Ford, John R.; Gutierrez, Robelino C.; Carrera, Armando N.; and Galik, William T., 4,865,093, Cl. 144-144.00R.
Carreras, Richard A.: *See—*
Wallentine, Patricia J.; Baciak, Mark G.; Carreras, Richard A.; Coates, Elinor L.; and Haralson, David G., 4,831,246, Cl. 250-20.00J.
Carri-Med Ltd.: *See—*
Deer, John J., 4,878,379, Cl. 73-60.000.
Carrick, Gordon S.: *See—*
Butcher, Ian; Carrick, Gordon S.; and Hillman, Kevin P., 4,878,425, Cl. 99-450.200.
Carrico, Robert J.; and Patterson, William L., to Miles Inc. Immobilization of nucleic acids on derivatized nylon supports. 4,806,546, 2-21-89, Cl. 536-27.000.
Carrico, Robert J.; Hatch, Robert P.; and Patterson, William L., to Miles Inc. Immobilization of nucleic acids on solvolyzed nylon supports. 4,806,631, 2-21-89, Cl. 536-27.000.
Carrico, Robert J., to Miles Inc. Monoclonal antibody specific for DNA.RNA hybrids. 4,833,084, 5-23-89, Cl. 435-240.270.
Carrie, Susan E.: *See—*
Lien, Sheue-Ling; Shantz, Michael J.; Evans, Jerald R.; Ergene, Serdar; and Carrie, Susan E., 4,855,935, Cl. 364-521.000.
Carrier Corporation: *See—*
Ballard, Gary W., 4,850,852, Cl. 431-6.000.
Ballard, Gary W.; and Thompson, Kevin D., 4,860,231, Cl. 364-571.010.
Bench, Ronald W.; Peitz, Robert W., Jr.; Palmer, John M.; and Erbs, Daryl G., 4,835,715, Cl. 364-557.000.
Bentley, Richard M.; Ripka, Chester D.; and Keller, Henry F., 4,807,588, Cl. 126-110.00R.
Bentley, Richard M., 4,848,314, Cl. 126-116.00R.
Bolton, Theodore S.; and Lang, Richard D., 4,856,295, Cl. 62-263.000.
Boot, Jay L.; Ripka, Chester D.; and Shapiro, Ian M., 4,880,157, Cl. 236-25.00R.
Brandemuehl, Michael J.; and Reason, John R., 4,875,341, Cl. 62-115.000.
Currier, Frederick A.; and Herb, Carl C., 4,811,575, Cl. 98-41.100.
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Dempsey, Daniel J.; and Ballard, Gary W., 4,815,524, Cl. 165-12.000.
Dreibelbis, Richard C.; and Coleman, Milton H., 4,844,149, Cl. 165-22.000.
Esformes, Jack L., 4,817,709, Cl. 165-151.000.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,795,321, Cl. 418-1.000.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,795,322, Cl. 418-55.000.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,811,471, Cl. 29-156.40R.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,834,633, Cl. 418-1.000.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,854,831, Cl. 417-366.000.
Gormley, Thomas P., 4,867,652, Cl. 417-353.000.
Gray, Kenneth P., 4,815,185, Cl. 29-157.30B.
Gray, Kenneth P., 4,843,860, Cl. 72-318.000.
Gray, Kenneth P., 4,858,296, Cl. 29-157.30C.
Gray, Kenneth P.; McDonough, Michael L.; Poplawski, Bruce J.; Gaffaney, Daniel P.; and Moyer, Ross A., 4,858,305, Cl. 29-727.000.
Gray, Kenneth P., 4,876,779, Cl. 29-157.30R.
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Jennings, William B.; Thompson, John; and Hayes, Richmond S., Jr., 4,811,570, Cl. 62-263.000.
Kropiwnicki, Tadek M.; Braymer, Joseph E.; and Dreiman, Nelik I., 4,795,316, Cl. 417-312.000.
LaCount, Nelon N., II; Vyavaharkar, Dilip Y.; and Bussjager, Rudy, 4,882,913, Cl. 62-409.000.
Lang, Richard D.; and Bolton, Theodore S., 4,800,735, Cl. 62-298.000.
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McDonough, Michael L.; and Poplawski, Bruce J., 4,850,101, Cl. 29-727.000.
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McManus, John R., 4,807,488, Cl. 74-567.000.
McManus, John R., 4,827,602, Cl. 29-611.000.
McManus, John R., 4,885,840, Cl. 29-611.000.
Neville, Donald G.; Giordano, David A.; and Hogan, Mark R., 4,877,106, Cl. 181-224.000.
Otto, Nancy M., 4,803,843, Cl. 62-85.000.
Otto, Nancy M., 4,878,837, Cl. 431-328.000.
Sacks, Paul S., 4,860,822, Cl. 165-151.000.
Schrank, Douglas A.; Carter, Thomas W.; Vaccaro, Joseph P.; and Lane, William R., 4,834,631, Cl. 417-283.000.
Shaw, David N., 4,878,818, Cl. 417-308.000.
Thompson, Kevin D.; and Ballard, Gary W., 4,887,767, Cl. 236-1.0EB.
Voorhis, Roger J.; Palmer, John M.; Marris, Derrick A.; and D'Agostino, James, 4,796,436, Cl. 62-77.000.
Voorhis, Roger J.; and Palmer, John M., 4,873,838, Cl. 62-207.000.
Vyavaharkar, Dilip Y.; and Bussjager, Rudy C., 4,835,984, Cl. 62-285.000.
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Carrier, Paula J.: *See—*
Lakshmanan, Pallavoor R.; and Carrier, Paula J., 4,826,909, Cl. 524-478.000.
Lakshmanan, Pallavoor R.; and Carrier, Paula J., 4,833,192, Cl. 524-476.000.
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Brown, Jerry L.; and Lukenbill, Harry N., 4,829,892, Cl. 99-475.000.
Carriere, Claude; Renard, Jean; and Lavolee, Thierry, to Societe Anonyme dite: Alcatel Cit. Method of etching a surface of an indium phosphide part. 4,861,423, 8-29-89, Cl. 156-643.000.
Carriere, Joseph F.: *See—*
Baun, Philip J., Jr.; Carriere, Joseph F.; Eng, Stephen K.; Landry, Joseph E.; Lee, Jonghee; Nolan, Thomas M.; and Rhodes, David C., 4,849,977, Cl. 371-49.000.
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Carriere, Ron: *See—*
Lindner, Charles E., 4,885,812, Cl. 5-113.000.
Carrigan, Erwin R.; Johnson, Harold R., III; and Phillips, Allyn E., to Emerson Electric Co. Helical gearsets. 4,794,811, 1-3-89, Cl. 74-458.000.
Carriker, John W.: *See—*
Wampler, Richard K.; Carriker, John W.; Butler, Kenneth C.; and Moise, John C., 4,846,152, Cl. 128-1.00D.
Carrillo, Gerardo: *See—*
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Carrillon, Henri, to Comptoir General d'Emballage. Device for mixing fluids, notably liquids, and dispensing the mixture thus obtained, and apparatus incorporating this device. 4,860,925, 8-29-89, Cl. 222-145.000.
Carrington, James E.; and Westcott, Gerald R., to International Business Machines Corporation. Control for enabling flight timing of hammers during printing. 4,821,639, 4-18-89, Cl. 101-93.140.
Carrington Laboratories, Inc.: *See—*
McAnalley, Bill H., 4,851,224, Cl. 424-195.100.

Carrington, Michael R.; and Harms, Jack L., to Kendall Company, The. Multi-chamber porting device. 4,827,912, 5-9-89, Cl. 128-24.00R.

Carrish, Jeffrey J., to Delphax Systems. Document inverter. 4,842,262, 6-27-89, Cl. 271-186.000.

Carro-de-la-Fuente, Guillermo: *See—*
  Pita, Antonio; Carro-de-la-Fuente, Guillermo; and Ruiz-Ontiveros, Saul-Roman, 4,801,321, Cl. 65-90.000.

Carroccio, Joseph A. Two cycle engine with injected fuel at intake passage. 4,800,849, 1-31-89, Cl. 123-73.0PP.

Carrodus, Melvin A.: *See—*
  Livesey, John K.; Maier, Alfred E.; and Carrodus, Melvin A., 4,829,278, Cl. 337-50.000.

Carrol, Frank L. Flexible tethered wind turbine. 4,832,571, 5-23-89, Cl. 416-132.00B.

Carrol, Richard J.; Fluderer, Albert A.; Smith, Ward C.; and Zine, Anthony R., Jr., to Becton Dickinson & Company. Separation of lymphocytes and monocytes from blood samples. 4,816,168, 3-28-89, Cl. 210-782.000.

Carroll, Christopher J., to Motorola, Inc. Non-volatile memory incremental counting system. 4,860,228, 8-22-89, Cl. 364-561.000.

Carroll, Clifford C.; Miley, John W.; and Van Dahm, Richard A., to Milliken Research Corporation. Liquid, non-crystallizing two mole diphenol alkoxylate mixtures. 4,846,996, 7-11-89, Cl. 252-182.160.

Carroll, Clive R. E.; and Sen, Debasish, to BICC Public Limited Company. Cable clipping. 4,832,269, 5-23-89, Cl. 242-25.00R.

Carroll, David T., to DCI Technology. Switching power supply VCO. 4,797,803, 1-10-89, Cl. 363-95.000.

Carroll, Edward J.; and Walker, Nigel, to Plessey Overseas Limited. Optical FSK demodulator. 4,887,314, 12-12-89, Cl. 455-619.000.

Carroll, Francis A., to Institute for Industrial Research and Standards. Product display and dispensing unit. 4,874,210, 10-17-89, Cl. 312-257.100.

Carroll, Gary T., to Bi Inc. Single chip transponder device. 4,857,893, 8-15-89, Cl. 340-572.000.

Carroll, Gary T.: *See—*
  Howson, David C.; Pauley, J. Donald; and Carroll, Gary T., 4,804,054, Cl. 128-898.000.

Carroll, George W.: *See—*
  Pinto, Albert A.; Selis, Edward W.; and Carroll, George W., 4,850,833, Cl. 425-6.000.

Carroll, Glenn T.; Lindstrom, Michael J.; and Tuszynski, William J., to Pennwalt Corporation. Polyalkyleneoxyamine catalysts for dialkyl disulfides and/or polysulfides used in dissolving sulfur. 4,804,485, 2-14-89, Cl. 252-8.552.

Carroll, James R.; McGinnis, Leon W.; Miller, Terry L.; and Norris, Michael B., to Rogers Corporation. Glass fiber reinforced fluoropolymeric circuit laminate. 4,886,699, 12-12-89, Cl. 428-228.000.

Carroll, John E.: *See—*
  White, Ian H.; Linton, Richard S.; and Carroll, John E., 4,809,290, Cl. 372-44.000.

Carroll, John F., to Ergomed, Inc. Medical tube holder. 4,844,061, 7-4-89, Cl. 128-201.000.

Carroll, John F., Jr., to Eastman Kodak Company. Process for improving dimensional stability of polymeric films useful in optical disk assemblies. 4,847,033, 7-11-89, Cl. 264-346.000.

Carroll, John M. Chisel plow point. 4,869,328, 9-26-89, Cl. 172-719.000.

Carroll, Joseph J. Deburring tool. 4,860,453, 8-29-89, Cl. 30-347.000.

Carroll, Michael W. Granular material storage system. 4,887,400, 12-19-89, Cl. 52-195.000.

Carroll, Noel. Transom member for sliding doors. 4,809,000, 2-28-89, Cl. 342-61.000.

Carroll, Noel; and Prendergast, Gavan, to Carroll, Noel. Liquid separating method. 4,816,165, 3-28-89, Cl. 210-708.000.

Carroll, Noel; and Prendergast, Gavan J. J., to Carroll, Noel. Cyclone separator. 4,820,414, 4-11-89, Cl. 210-512.100.

Carroll, Noel: *See—*
  Prendergast, Gavan J. J.; and Webb, David A., 4,815,536, Cl. 166-250.000.
  Prendergast, Gavan J. J.; and Webb, David A., 4,822,484, Cl. 210-96.100.

Carroll, Paul E.; James, Roy W., III; Bowen, Charles K.; and Smith, Gillan C., to Input/Output, Inc. Bandwidth enhancing seismic acquisition system and method. 4,875,166, 10-17-89, Cl. 364-421.000.

Carroll, Radford M., to United States of America, Energy. Method for in-situ restoration of plantinum resistance thermometer calibration. 4,795,884, 1-3-89, Cl. 219-497.000.

Carroll, Thomas J.; and Kehoe, Gary S., to Nabisco Brands, Inc. Stabilized APM in comestibles. 4,800,095, 1-24-89, Cl. 426-548.000.

Carroll Touch Inc.: *See—*
  Hough, Stewart E., 4,818,859, Cl. 250-221.000.

Carroll, William, to Reinforcer, Inc., The. Hole puncher and reinforcer. 4,826,561, 5-2-89, Cl. 156-518.000.

Carroll, William M., to Koller Manufacturing Corporation. Magnetic tape cassettes. 4,819,890, 4-11-89, Cl. 242-199.000.

Carroll, William M., to Koller Manufacturing Corporation. Process for making cassette spring. 4,845,820, 7-11-89, Cl. 29-173.000.

Carroll, William M., to Koller Manufacturing Corporation. Magnetic tape cassettes. 4,878,632, 11-7-89, Cl. 242-199.000.

Carroll, William R.: *See—*
  Bondoc, Alfredo A.; Carroll, William R.; and Lloyd, Bobbie J., 4,835,929, Cl. 52-518.000.

Carron & Company: *See—*
  Malicki, Raymond W., 4,823,606, Cl. 73-761.000.

Carron, Didier, to Schlumberger Technology Corporation. Inversion of a vertical seismic profile by minimization of an entropy like function. 4,841,490, 6-20-89, Cl. 367-38.000.

Carrot Top Inc.: *See—*
  Corrigan, John E., 4,882,189, Cl. 426-506.000.

Carrott, Richard F., to Careau Group, The. Process for producing a low fat content egg product. 4,882,193, 11-21-89, Cl. 426-614.000.

Carrozzino, Simona: *See—*
  Magagnini, Pierluigi; Pedretti, Ugo; Perego, Giovanni; Bresci, Bruno; Carrozzino, Simona; and Roggero, Arnaldo, 4,833,229, Cl. 528-193.000.

Carruba, Samuel C., to CBS Engineering, Inc. Offshore support structure methods and apparatus. 4,818,145, 4-4-89, Cl. 405-203.000.

Carruba, Samuel C., to CBS Engineering, Inc. Offshore support structure methods and apparatus. 4,842,446, 6-27-89, Cl. 405-227.000.

Carruth, Henry T., Jr.: *See—*
  Hamberg, Allan; Thomas, Elmer L.; Carruth, Henry T., Jr.; and Peterson, Mitchell F., 4,804,906, Cl. 324-65.00R.

Carruth, John C., to General Electric Company. Check valve test method for control rod drive. 4,863,673, 9-5-89, Cl. 376-230.000.

Carruthers, Malcolm E.: *See—*
  Orr, Thomas; and Carruthers, Malcolm E., 4,869,262, Cl. 128-672.000.

Carruthers, Nicholas I.: *See—*
  Barker, Andrew J.; Carruthers, Nicholas I.; and Cooke, Michael D., 4,849,419, Cl. 514-192.000.
  Ross, Barry C.; Cooke, Michael D.; Carruthers, Nicholas I.; and Barker, Andrew J., 4,795,748, Cl. 514-192.000.

Cars & Concepts, Inc.: *See—*
  Hennessy, Robert E., 4,840,421, Cl. 296-122.000.
  Hennessy, Robert E., 4,842,327, Cl. 296-201.000.
  Williams, Randy S., 4,819,985, Cl. 296-218.000.

Carscallen, Gregory A.: *See—*
  Bruggeman, Rudyard J.; and Carscallen, Gregory A., 4,876,875, Cl. 72-199.000.

Carse, Gregg D., to Pacific Bell. Apparatus and method for TDM data switching. 4,811,332, 3-7-89, Cl. 370-58.000.

Carson, Brian. Flue restrictor. 4,803,931, 2-14-89, Cl. 110-163.000.

Carson, David G.: *See—*
  Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli, John L., 4,829,425, Cl. 364-200.000.

Carson, Dean F.: *See—*
  Newman, Garry F.; Carson, Dean F.; and Cherry, Steve B., 4,849,256, Cl. 427-202.000.

Carson, Dennis W.: *See—*
  Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,837,253, Cl. 523-443.000.
  Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,849,297, Cl. 428-457.000.

Carson, Donald G. Non-linear rotary drive apparatus. 4,796,471, 1-10-89, Cl. 74-89.200.

Carson, Douglas W., to Thomas Industries, Inc. Plaster frame. 4,803,603, 2-7-89, Cl. 362-150.000.

Carson, Forrest L.; and Johnson, Kenneth M., to J. M. Huber Corporation. Coupling with improved elastomeric face seal. 4,886,303, 12-12-89, Cl. 285-99.000.

Carson, Gary A.; Elgas, Roger J.; and Gordon, Timothy M., to Cobe Laboratories, Inc. Integral blood oxygenator. 4,818,490, 4-4-89, Cl. 422-46.000.

Carson, Glenn S., to R. E. Wright Associates, Inc. In well separator for heavier liquid. 4,824,562, 4-25-89, Cl. 210-104.000.

Carson Industries, Inc.: *See—*
  Jacobs, Sheldon L., 4,869,456, Cl. 248-678.000.

Carson, James E.; and Owens, James P., to BASF Corporation. Polymers which form gels at low concentrations in water. 4,810,503, 3-7-89, Cl. 424-76.300.

Carson, James E.: *See—*
  Frentrup, Mark A.; Gibson, Joseph R.; Carson, James E.; and Davis, Pauls, 4,797,229, Cl. 252-345.000.

Carson, John C.; and Clark, Stewart A., to Irvine Sensors Corporation. Thermal imager incorporating electronics module having focal plane sensor mosaic. 4,806,761, 2-21-89, Cl. 250-332.000.

Carson, John R.: *See—*
  Carmosin, Richard J.; and Carson, John R., 4,800,207, Cl. 514-413.000.

Carson, Keith J., to Process Automation Business, Inc. Sheet inspection station with pneumatic sheet guide. 4,877,485, 10-31-89, Cl. 162-263.000.

Carson, Kenneth M.: *See—*
  Naimark, Michael; and Carson, Kenneth M., 4,857,902, Cl. 340-709.000.

Carson, Mark E.: *See—*
  Burger, Wilhelm F.; Carson, Mark E.; Johri, Abhai; and Stokes, Ellen J., 4,885,789, Cl. 380-25.000.

Carson, Steven R.; Griffin, Raymond T.; and Spear, Scott A., to Lightolier, Inc. Control switch. 4,880,950, 11-14-89, Cl. 200-547.000.

Carson, Steven R.: *See—*
  Slovak, Michael J.; Griffin, Raymond T.; and Carson, Steven R., 4,871,893, Cl. 200-16.00R.

Carstens, Felix, to Hall Surgical, division of Zimmer, Inc. Coupling assembly. 4,863,201, 9-5-89, Cl. 285-317.000.

Carstens, Ronald. Shirt folding and packaging method and apparatus. 4,798,293, 1-17-89, Cl. 206-495.000.

Carstensen, Calvin L.; and Schommer, Randall J. Rail joint alignment system and method of connection. 4,800,817, 1-31-89, Cl. 104-2.000.

Carstensen, Kenneth J. Apparatus and method for improving the integrity of coupling sections in high performance tubing and casing. 4,872,253, 10-10-89, Cl. 29-507.000.

Carstensen, Kenneth J., to Carstensen, Kenneth J. Internally coated tubular system. 4,875,713, 10-24-89, Cl. 285-55.000.

Carstensen, Kenneth J. Method of assembling coupling to tubing or casting. 4,878,285, 11-7-89, Cl. 29-451.000.

Carstensen, Kenneth J. Method for improving the integrity of coupling sections in high performance tubing and casing. 4,882,830, 11-28-89, Cl. 29-421.100.

Carswell, Robert: *See—*
  Meyer, Louis W.; Vanderhider, James A.; and Carswell, Robert, 4,876,019, Cl. 252-32.500.

Carswell, William R.: *See—*
  Friedman, Evelyn; and Carswell, William R., 4,844,229, Cl. 194-226.000.

Cartasegna, Silvestro, to Exxon Chemical Patents Inc. Elastomer modified polycarbonate compositions of improved impact strength. 4,883,840, 11-28-89, Cl. 525-146.000.

Cartee, Larry A.; and Barot, Harry A., to Detroit Armor Corporation. Bullet trap with anti-splatter safety screen. 4,821,620, 4-18-89, Cl. 89-36.020.

Carten, Daniel J., to Harsco Corporation. Parallel-motion dual-diaphragm valve. 4,867,201, 9-19-89, Cl. 137-625.180.

Carter, Alice L. Combination seat cushion tote bag. 4,863,003, 9-5-89, Cl. 190-8.000.

Carter, Andrew C.: *See—*
  Morgan, Peter J.; Carter, Andrew C.; Davis, Richard; and Randle, Frederick A., 4,836,633, Cl. 350-96.180.

Carter, Andrew J., to Smith & Nephew Associated Companies p.l.c. Contoured film. 4,798,604, 1-17-89, Cl. 604-383.000.

Carter, Arlen J. Open boat windscreen. 4,838,195, 6-13-89, Cl. 114-343.000.

Carter Automotive Company, Inc.: *See—*
  Bollinger, Steven R., 4,820,138, Cl. 418-71.000.

Carter, Barrie J.; and Tratschin, Jon D., to United States of America, Health and Human Services. Adeno-associated virus as eukaryotic expression vector. 4,797,368, 1-10-89, Cl. 435-320.000.

Carter, Calvin E., to Coats & Clark, Inc. Traveller having inner yarn guide path with no mold parting line. 4,866,923, 9-19-89, Cl. 57-125.000.

Carter, Calvin H., Jr.: *See—*
  Davis, Robert F.; Carter, Calvin H., Jr.; and Hunter, Charles E., 4,866,005, Cl. 437-100.000.

Carter, Charles G., to Stauffer Chemical Company. Certain 2-(2-substituted benzoyl)-1,3,5-cyclohexanetriones. 4,797,150, 1-10-89, Cl. 71-103.000.

Carter, Charles G., to Stauffer Chemical Company. Certain 2-(2-substituted benzoyl)-1,3-cyclohexanediones. 4,806,146, 2-21-89, Cl. 71-98.000.

Carter, Charles G., to Stauffer Chemical Company. Method of controlling undesirable vegetation with certain 2-phenylacetyl-1,3,5-cyclohexanetriones. 4,816,059, 3-28-89, Cl. 71-88.000.

Carter, Charles G., to Stauffer Chemical Company. Certain 2-(2-substituted benzoyl)-1,3-cyclohexanediones. 4,822,906, 4-18-89, Cl. 558-416.000.

Carter, Charles G.; Lee, David L.; and Michaely, William J., to Stauffer Chemical Company. Certain 2-(2-substituted benzoyl)-1,3-cyclohexanediones. 4,853,028, 8-1-89, Cl. 71-103.000.

Carter, Charles G.: *See—*
  Lee, David L.; and Carter, Charles G., 4,797,147, Cl. 71-92.000.
  Quirk, Jennifer M.; Carter, Charles G.; and Kupper, Robert J., 4,801,742, Cl. 562-450.000.
  Quirk, Jennifer M.; and Carter, Charles G., 4,873,358, Cl. 560-22.000.

Carter, Clyde T., to Wells Electronics, Inc. Zero insertion socket with normally closed contacts. 4,836,798, 6-6-89, Cl. 439-268.000.

Carter, Daniel C., to United States of America, National Aeronautics and Space Administration. Human serum albumin crystals and method of preparation. 4,833,233, 5-23-89, Cl. 530-363.000.

Carter, Daniel C.; and Smith, Robbie E., to United States of America, National Aeronautics and Space Administration. Hanging drop crystal growth apparatus and method. 4,886,646, 12-12-89, Cl. 422-245.000.

Carter, David C. M.; Dunckley, Ian; and Lait, Leonard G., to Molins PLC. Apparatus for handling rod-like articles. 4,795,020, 1-3-89, Cl. 198-370.000.

Carter, David C. M., to Molins PLC. Conveyor system for rod-like articles. 4,813,527, 3-21-89, Cl. 198-347.000.

Carter, David C. M.; and Hierons, Kerry, to Molins PLC. Conveyor system for rod-like articles. 4,865,179, 9-12-89, Cl. 198-347.000.

Carter, David C. M.: *See—*
  Cahill, Michael J.; Carter, David C. M.; and Simcoe, Michael D., 4,834,[illegible], Cl. [illegible]-282.000.

Carter-Day Company: *See—*
  Smith, Charles A.; and Deane, Donald, 4,865,721, Cl. 209-135.000.

Carter, Donald B.: *See—*
  McEwan, Robert N.; and Carter, Donald B., 4,863,851, Cl. 435-7.000.

Carter, Douglas V., to Entravision, Inc. Method of packaging and sterilizing a pharmaceutical product. 4,805,377, 2-21-89, Cl. 53-415.000.

Carter, Duane E.: *See—*
  Davis, Cecil J.; Wooldridge, Timothy J.; and Carter, Duane E., 4,842,680, Cl. 156-643.000.
  Davis, Cecil J.; Carter, Duane E.; and Jucha, Rhett B., 4,849,068, Cl. 156-643.000.
  Jucha, Rhett B.; Davis, Cecil J.; Carter, Duane E.; Crank, Sue E.; and Jones, John I., 4,849,067, Cl. 156-643.000.
  Jucha, Rhett B.; Carter, Duane E.; Davis, Cecil J.; and Crank, Sue E., 4,874,723, Cl. 437-245.000.

Carter, E. Ray. Plastic standard for supporting a light fixture adjacent to the ground. 4,858,677, 8-22-89, Cl. 248-545.000.

Carter, Edward L., to United States of America, National Aeronautics and Space Administration. Magnetic drive coupling. 4,836,826, 6-6-89, Cl. 464-29.000.

Carter, Edward V., to Hunter Engineering Company. Vehicle elevating apparatus and method of assembly thereof. 4,804,068, 2-14-89, Cl. 187-8.720.

Carter, Frederic D. Bicycle stand assembly and storage structure. 4,856,803, 8-15-89, Cl. 280-293.000.

Carter, Garry L., to Medical Engineering Corporation. Identification marker for a breast prosthesis. 4,863,470, 9-5-89, Cl. 623-8.000.

Carter, Gary M.: *See—*
  Chen, Yung-Jui; Elman, Boris S.; and Carter, Gary M., 4,808,285, Cl. 204-157.150.

Carter, Guy T.; Borders, Donald B.; Goodman, Joseph J.; and Labeda, David P., to American Cyanamid Company. Antibiotic LL-D42067β. 4,859,598, 8-22-89, Cl. 435-252.100.

Carter, H. Randy: *See—*
  Berthold, John W.; and Carter, H. Randy, 4,843,234, Cl. 250-227.000.

Carter, Herman L. Bullet. 4,879,953, 11-14-89, Cl. 102-507.000.

Carter-Hoffmann Corporation: *See—*
  Fortmann, Robert C., 4,832,422, Cl. 312-330.0SM.
  Fortmann, Robert C.; and Pinnow, Curtis C., 4,835,368, Cl. 219-401.000.
  Pinnow, Curtis C.; and Fortmann, Robert C., 4,834,470, Cl. 312-311.000.

Carter, Howard E.; Pugh, Joel A.; and Pierce, Byron C., to Message-Phone, Inc. Line interface unit for caller-controlled receipt and delivery of voice messages. 4,825,460, 4-25-89, Cl. 379-67.000.

Carter, Hudson R.; and Upperman, Eugene T., to Babcock & Wilcox Company, The. Method and system for on-line calibration and validation of process instrumentation. 4,887,453, 12-19-89, Cl. 73-1.00R.

Carter, Jeff C.; Federico, Anthony M.; and Comparetta, Christopher, to Xerox Corporation. Task control manager. 4,800,521, 1-24-89, Cl. 364-900.000.

Carter, John E.; and Hernandez, David R. Mat with sound system. 4,841,587, 6-27-89, Cl. 5-419.000.

Carter, John P.: *See—*
  Rzeszotarski, Waclaw J.; Guzewska, Maria E.; Carter, John P.; Adams, Theodore C.; Dupont, Andrea C.; and Kaiser, Carl, 4,877,779, Cl. 514-63.000.
  Wolgemuth, Richard L.; and Carter, John P., 4,831,019, Cl. 514-34.000.

Carter, Jon R.: *See—*
  Cecco, Valentino S.; and Carter, Jon R., 4,855,676, Cl. 324-220.000.

Carter, Joseph F.: *See—*
  Maass, James A.; Stewart, John F.; and Carter, Joseph F., 4,867,617, Cl. 408-17.000.

Carter, Lawrence D.: *See—*
  McVay, David R.; Carter, Lawrence D.; Jonasky, John D.; and Jefferson, Chris A., 4,872,939, Cl. 156-354.000.

Carter, Lee R. Vehicle parking apparatus. 4,869,634, 9-26-89, Cl. 414-240.000.

Carter, Lewis S. Baseball card game. 4,822,043, 4-18-89, Cl. 273-93.00C.

Carter, Michael J.; and Welford, David, to Massachusetts Institute of Technology. One- and two-dimensional optical wavefront synthesis in real time. 4,862,467, 8-29-89, Cl. 372-18.000.

Carter, Neil A., to Owens-Corning Fiberglas Corporation. Method and apparatus for coating elongate members. 4,883,690, 11-28-89, Cl. 427-430.100.

Carter, Nigel F.: *See—*
  Balding, Alan S.; Carter, Nigel F.; Frampton, Paul F.; and Rosso, Vincent A., 4,829,448, Cl. 364-509.000.

Carter, Paul M.; Wilson, Gary L.; and Bucksdrucker, Arthur H., to Durand-Raute Industries Ltd. Veneer lathe with dual powered backup rolls. 4,815,508, 3-28-89, Cl. 144-213.000.

Carter, Philip S., to Metcal, Inc. High power self-regulating heater. 4,814,587, 3-21-89, Cl. 219-552.000.

Carter, Philip S., Jr., to Metcal, Inc. Temperature control in which the control parameter is the degree of imperfection in the impedance matching. 4,795,886, 1-3-89, Cl. 219-505.000.

Carter, Philip S., Jr.: *See—*
  Cowell, Mark J.; Ladd, Kevin; and Carter, Philip S., Jr., 4,877,944, Cl. 219-548.000.

Carter, Robert; and Hamilton, Allan. Sound system with anechoic enclosure. 4,805,728, 2-21-89, Cl. 181-141.000.

Carter, Rodney A.: *See—*
  Roberts, Randy D.; Carter, Rodney A.; and Ogden, Gary J., 4,825,716, Cl. 74-5.340.

Carter, Russell P., Jr.: *See—*
  Potter, Terry A.; Pantone, Richard S.; and Carter, Russell P., Jr., 4,814,103, Cl. 252-182.220.

Carter, Stanley R., Jr. Frame for barbell weights or similar article. 4,865,314, 9-12-89, Cl. 272-123.000.

Carter, Stephen J.: *See—*
  Cliffton, Michael D.; and Carter, Stephen J., 4,851,589, Cl. 568-730.000.
  Foote, Mark A.; and Carter, Stephen J., 4,889,231, Cl. 206-363.000.

- Carter, Steven F.: *See—*
  - France, Paul W.; Williams, John R.; and Carter, Steven F., 4,848,997, Cl. 65-3.110.
  - France, Paul W.; Carter, Steven F.; and Moore, Martin W., 4,856,868, Cl. 350-96.230.
- Carter, Thomas P.; Haman, Lindsay L.; Miller, Robert P.; and Schinner, Edward N., to Baltimore Aircoil Company, Inc. Thermal storage unit with coil extension during melt. 4,831,831, 5-23-89, Cl. 62-59.000.
- Carter, Thomas W.: *See—*
  - Schrank, Douglas A.; Carter, Thomas W.; Vaccaro, Joseph P.; and Lane, William R., 4,834,631, Cl. 417-283.000.
- Carter, Timothy J. N.; Groucutt, Carol J.; Stott, Richard A. W.; Thorpe, Gary H. G. H.; and Whitehead, Thomas P., to National Research Development Corporation. Enhanced luminescent and luminometric assay. 4,842,997, 6-27-89, Cl. 435-6.000.
- Carter, Trevor: *See—*
  - Haddow, Andrew J.; and Carter, Trevor, 4,832,268, Cl. 241-5.000.
- Carter-Wallace, Inc.: *See—*
  - Dixon, Richard P.; and Foxx, Mary E., 4,810,490, Cl. 424-59.000.
  - Ott, Bruce S.; Haus, Joseph; and Kohlhepp, Frederick F., 4,808,615, Cl. 514-89.000.
  - Stiefel, Frank J., 4,868,327, Cl. 560-164.000.
- Carter, William, to Bussell, Carol. Respiratory aid device. 4,870,963, 10-3-89, Cl. 128-205.240.
- Carter, William A., to HEM Research, Inc. Modulation of AIDS virus-related events by double-stranded RNAS. 4,795,744, 1-3-89, Cl. 514-44.000.
- Carter, William A., to HEM Research, Inc. Modulation of AIDS virus-related events by double-stranded RNAS. 4,820,696, 4-11-89, Cl. 514-44.000.
- Carter, William H.: *See—*
  - Smith, Donald A.; Carter, William H.; Dingfelder, Howard E.; Burgess, Dale L.; and Gates, Alan B., 4,879,808, Cl. 29-845.000.
- Carter, William P.: *See—*
  - Sammons, Larry P.; Smith, Larry D.; and Carter, William P., 4,869,179, Cl. 108-56.100.
- Carter, William S.: *See—*
  - Hsieh, Hung-Cheng; and Carter, William S., 4,855,619, Cl. 307-443.000.
- Carter, Willie J.; and Suttmeier, Denise D., to Colgate-Palmolive Company. Non-bleeding striped dentifrice. 4,814,160, 3-21-89, Cl. 424-7.100.
- Cartex Corporation: *See—*
  - Kerman, Michael L., 4,800,984, Cl. 181-290.000.
- Carthage Machine Co., Div. of Industrial General Corp.: *See—*
  - Robinson, Mark D.; and Farrell, Eugene A., 4,887,772, Cl. 241-92.000.
- Carthew, Maximilian K.: *See—*
  - Johnson, Jeffrey C.; and Carthew, Maximilian K., 4,801,262, Cl. 432-8.000.
- Carthew, Millie A.: *See—*
  - Blake, Scott L.; Carthew, Millie A.; and Collins, Christopher G., 4,880,531, Cl. 210-169.000.
- Cartier, George E.; and Farmer, Peter H. Cross-linked polyvinyl butyral. 4,814,529, 3-21-89, Cl. 525-61.000.
- Cartier, George E.; and Farmer, Peter H., to Monsanto Company. Cross-linked polyvinyl butyral. 4,874,814, 10-17-89, Cl. 525-61.000.
- Cartier International B.V.: *See—*
  - Bonnefoy, Alain, 4,821,533, Cl. 63-3.000.
  - Perrin, Alain D., 4,862,562, Cl. 24-71.00J.
- Cartier, Michel; and Farjaudon, Jean-Paul, to Centre Stephanois de Recherches Mecaniques Hydromecanique et Frottement. Permanent anti-adherent coating for glassmaking moulds and associated equipment. 4,806,139, 2-21-89, Cl. 65-170.000.
- Cartillier, Andre: *See—*
  - Ardaillon, Pierre; Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, 4,877,621, Cl. 424-498.000.
  - Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, 4,832,967, Cl. 426-96.000.
  - Autant, Pierre; Cartillier, Andre; and Pigeon, Raymond, 4,876,097, Cl. 426-74.000.
- Cartmell, David W.: *See—*
  - Clubley, Brian G.; Cartmell, David W.; and Parker, David C., 4,847,017, Cl. 562-24.000.
- Cartmell, James V.; Burcham, Larry R.; and Wolf, Michael L., to Baxter International Inc. Medical electrode with reusable conductor and method of manufacture. 4,827,939, 5-9-89, Cl. 128-640.000.
- Cartmell, James V., to Baxter International Inc. Medical electrode. 4,832,036, 5-23-89, Cl. 128-640.000.
- Cartmell, James V., to Baxter International Inc. Medical electrode. 4,838,273, 6-13-89, Cl. 128-640.000.
- Cartmell, Robert L., to Becton, Dickinson and Company. Electrosurgical knife with visual alarm. 4,800,878, 1-31-89, Cl. 128-303.140.
- Cartmell, Robert R.; and Horecky, Carl J., to Amoco Corporation. Process for mixing cracking catalyst with a fluid hydrocarbon. 4,808,382, 2-28-89, Cl. 422-140.000.
- Cartmell, Robert R.; and Horecky, Carl J., to Amoco Corporation. Process for mixing cracking catalyst with a fluid hydrocarbon. 4,824,557, 4-25-89, Cl. 208-146.000.
- Carton-Bacon, Philip H., to Custom Products Corporation. Cone clutch. 4,880,407, 11-14-89, Cl. 464-43.000.
- Carton, Georges; Kuntz, Pierre; and Drutel, Yves, to Renault Vehicules Industriels. Device for electronic control of an actuator of transmission dog clutches. 4,847,767, 7-11-89, Cl. 364-424.100.
- Cartry, Jean P.; and Fraissenet, Bruno, to Framatome. Process for attachment of a hollow cylindrical component within a tube and cylindrical component for carrying out this process. 4,819,315, 4-11-89, Cl. 29-157.400.
- Cartry, Jean P.; and Fraissenet, Bruno, to Framatome. Process for lining a peripheral tube of a steam generator. 4,827,594, 5-9-89, Cl. 29-157.400.
- Cartwright, David, to Imperial Chemical Industries PLC. Herbicidal pyridine derivatives. 4,840,664, 6-20-89, Cl. 71-94.000.
- Cartwright, Garry E.; and Palmer, Paul. Liquid dispensing apparatus. 4,821,921, 4-18-89, Cl. 222-65.000.
- Cartwright, James E.: *See—*
  - Bourke, Edward L.; and Cartwright, James E., 4,834,136, Cl. 137-549.000.
- Cartwright, John S.: *See—*
  - Palmer, David N.; Cartwright, John S.; and O'Neill, James K., 4,808,494, Cl. 429-101.000.
  - Palmer, David N.; Cartwright, John S.; and O'Neill, James K., 4,847,174, Cl. 429-112.000.
- Cartwright, John V. Pop-up table furniture with storage facility. 4,810,353, 3-7-89, Cl. 108-33.000.
- Cartwright, Richard V., to Hercules Incorporated. Ignition modifying overcoat for deterrent-coated smokeless propellant. 4,886,560, 12-12-89, Cl. 149-12.000.
- Caruel, Jacques E. J., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A." . Flameholder for a turbojet engine afterburner. 4,802,337, 2-7-89, Cl. 60-749.000.
- Caruolo, Antonio B.: *See—*
  - McFarlin, David J.; Caruolo, Antonio B.; Minford, Eric; and Prewo, Karl M., 4,870,827, Cl. 62-6.000.
- Carus, Alwin B.: *See—*
  - Kucera, Henry; and Carus, Alwin B., 4,864,501, Cl. 364-419.000.
  - Kucera, Henry; and Carus, Alwin B., 4,864,502, Cl. 364-419.000.
  - Kucera, Henry; Carus, Alwin B.; and Hopkins, Jeffrey G., 4,868,750, Cl. 364-419.000.
- Caruso, Daniel J.: *See—*
  - Caruso, John W.; and Caruso, Daniel J., 4,815,566, Cl. 184-1.500.
- Caruso, Jeffrey L.: *See—*
  - Izuhara, Koichi; Caruso, Jeffrey L.; and Johnson, Theodore C., 4,841,472, Cl. 364-900.000.
- Caruso, Jerome: *See—*
  - Wilkins, Allen L.; Hottmann, Philip F.; and Caruso, Jerome, 4,867,512, Cl. 312-245.000.
- Caruso, John T.: *See—*
  - Jordan, Howard E.; Woods, Edward J.; Caruso, John T.; and Forte, Luciano, 4,862,053, Cl. 318-786.000.
- Caruso, John W.; and Caruso, Daniel J. Drain valve and system. 4,815,566, 3-28-89, Cl. 184-1.500.
- Caruthers, Edward B., Jr., to Du Pont de Nemours, E. I., and Company. Method and apparatus for reading a transparent photostimulable luminescent screen. 4,797,553, 1-10-89, Cl. 250-327.200.
- Caruthers, Scott, to DAR Products Corporation. Exercise devices. 4,813,669, 3-21-89, Cl. 272-122.000.
- Caruthers, Scott, to Dar Products Corporation. Exercise devices. 4,880,228, 11-14-89, Cl. 272-122.000.
- Carvalho, Joseph J.; and Mapili, Sequndo R., Jr., to Carvalho, Joseph J. Motorized tool with easily replaceable switch. 4,808,862, 2-28-89, Cl. 310-50.000.
- Carver, Barbara; and Spector, Donald. Woman's convertible shirt. 4,866,791, 9-19-89, Cl. 2-106.000.
- Carver Corporation: *See—*
  - Carver, Robert W.; and Richardson, Victor O., 4,815,141, Cl. 381-94.000.
- Carver, David L. Mixer apparatus. 4,838,704, 6-13-89, Cl. 366-307.000.
- Carver, Donnie R. Portable console and arm rest apparatus. 4,878,436, 11-7-89, Cl. 108-44.000.
- Carver, George C.: *See—*
  - St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,843,701, Cl. 29-235.000.
  - St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,852,240, Cl. 29-559.000.
  - St. Angelo, Stephen, Jr.; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,839,958, Cl. 29-450.000.
- Carver, George P.: *See—*
  - Reineman, Richard G.; and Carver, George P., 4,854,641, Cl. 297-345.000.
- Carver, John F., to Milton Roy Company. Ultrasonic streaming current detector. 4,825,169, 4-25-89, Cl. 324-453.000.
- Carver, Ray T.: *See—*
  - Harrop, Kenneth T.; and Carver, Ray T., 4,842,214, Cl. 242-130.000.
- Carver, Robert G., to Coburn, Inc. Display carrier for articles. 4,798,291, 1-17-89, Cl. 206-426.000.
- Carver, Robert L. Method and apparatus for measuring moisture content of granular material. 4,853,614, 8-1-89, Cl. 324-61.00R.
- Carver, Robert W.; and Croft, James J. Loudspeaker diaphragm mounting system and method. 4,803,733, 2-7-89, Cl. 381-193.000.
- Carver, Robert W.; and McKinley, M. Robert. Lightweight, high power audio amplifier and power supply. 4,808,946, 2-28-89, Cl. 330-297.000.
- Carver, Robert W.; and Richardson, Victor O., to Carver Corporation. Apparatus and methods for removing unwanted components from a communications signal. 4,815,141, 3-21-89, Cl. 381-94.000.
- Carvin, David A. System to permit cargo to be pre-slung after warehouse palletization. 4,850,283, 7-25-89, Cl. 108-51.100.
- Cary, Andrew S.; and Rutter, Carl A., to IRD Mechanalysis, Inc. Transducer assemblage for hand-held vibration meters. 4,827,771, 5-9-89, Cl. 73-644.000.

- Cary, Paul O.: *See—*
  - Saccomanno, Geno; and Cary, Paul O., 4,807,979, Cl. 350-520.000.
- Cary, Richard W.; and Guyon, Richard D., to Amdahl Corporation. Version management system using plural control fields for synchronizing two versions of files in a multiprocessor system. 4,875,159, 10-17-89, Cl. 364-200.000.
- Cas Medical Systems, Inc.: *See—*
  - Bahr, Dennis E.; Clark, Kenneth R.; and Post, Kendall E., 4,796,184, Cl. 364-413.030.
- Casa Bernardo Ltd.: *See—*
  - Bernardo, Orlando, 4,863,718, Cl. 424-40.000.
- Casa, Fausto; Mendichi, Raniero; and Bassi, Angelo C., to Consiglio Nazionale Delle Ricerche. Method for controlling the cross-linking of elastomers in a mould. 4,824,620, 4-25-89, Cl. 264-40.100.
- Casacia, Edward A.: *See—*
  - May, Joe T.; and Casacia, Edward A., 4,841,156, Cl. 250-461.100.
- Casad, Burton M.; and Gant, Preston L., to Conoco Inc. Reservoir evaluation using partitioning tracer. 4,876,449, 10-24-89, Cl. 250-259.000.
- Casad Manufacturing Corp.: *See—*
  - Casad, Thomas R., 4,863,407, Cl. 441-69.000.
- Casad, Thomas R., to Casad Manufacturing Corp. Water ski tow handle assembly. 4,863,407, 9-5-89, Cl. 441-69.000.
- Casagrande, Angelo F.; and Casagrande, Rocco J. Pool flotation device. 4,861,300, 8-29-89, Cl. 441-81.000.
- Casagrande, Francesco: *See—*
  - Gardano, Andrea; Casagrande, Francesco; Foa, Marco; Petrini, Guido; Barisone, Riccardo; and Chapoy, Lawrence, 4,885,409, Cl. 568-834.000.
- Casagrande, Giulio; and Gastaldi, Roberto, to SGS Microelecttronica S.p.A. Device for the verification of memory cells on the basis of the threshold drop obtainable during writing. 4,802,166, 1-31-89, Cl. 371-21.000.
- Casagrande, Giulio, to SGS-Thomson Microelectronics s.p.a. Nonvolatile memory device with a high number of cycle programming endurance. 4,807,188, 2-21-89, Cl. 365-182.000
- Casagrande, Giulio: *See—*
  - Gastaldi, Roberto; and Casagrande, Giulio, 4,847,811, Cl. 365-203.000.
- Casagrande, Joseph E., to Spalding & Evenflo Companies, Inc. Inclined-axis pendulum swing. 4,805,902, 2-21-89, Cl. 272-86.000.
- Casagrande, Mark T.: *See—*
  - Cox, William C.; Goetschius, Gary C.; and Casagrande, Mark T., 4,813,003, Cl. 364-557.000.
- Casagrande, Rocco J.: *See—*
  - Casagrande, Angelo F.; and Casagrande, Rocco J., 4,861,300, Cl. 441-81.000.
- Casalatina, Silvano: *See—*
  - Andre, DeSchutter; and Casalatina, Silvano, 4,864,792, Cl. 52-426.000.
- Casale, Liborio: *See—*
  - Pontoglio, Enrico; Parodi, Sandro; Ghielmetti, Giuseppe; and Casale, Liborio, 4,808,345, Cl. 260-544.00D.
- Casalegno, Italo: *See—*
  - Coslovi, Giuliano; and Casalegno, Italo, 4,854,136, Cl. 66-191.000.
- Casali, Gianpaolo. Bootie testing machine. 4,799,384, 1-24-89, Cl. 73-45.500.
- Casamata, Gilbert: *See—*
  - Bouchez, Dominique; Casamata, Gilbert; Fournier, Pascale; and Bernasconi, Christian, 4,804,495, Cl. 252-312.000.
- Casanave, Anthony J. Cabinetry instrument. 4,873,769, 10-17-89, Cl. 33-194.000.
- Casanellas Bassols, Francesc. Electronic circuitry for converting direct voltage to alternating voltage. 4,802,075, 1-31-89, Cl. 363-16.000.
- Casanova, Alberto L.: *See—*
  - Rist, Bruno A.; and Casanova, Alberto L., 4,882,772, Cl. 455-617.000.
- Casanova, Giuseppe. Refrigerated cabinet with an improved control panel. 4,829,776, 5-16-89, Cl. 62-125.000.
- Casanova, Hector A.: *See—*
  - Rice, Ronald B.; Lobo, Edward M.; Casanova, Hector A.; and Kosnosky, Theodore P., 4,812,941, Cl. 361-15.000.
- Casanova, Philippe; and Lateulere, Jean-Louis, to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Tire with radial carcass reinforcement provided with a protective rib on at least one side wall. 4,856,572, 8-15-89, Cl. 152-454.000.
- Casarcia, Dominick A.; and Feldman, Robert F., to General Electric Company. Cylindrical bearing inspection. 4,864,239, 9-5-89, Cl. 324-262.000.
- Casares, Pete P.: *See—*
  - Aguillen, Domingo V., Jr.; Casares, Pete P.; DeForrest, John E.; Green, Kevin C.; Kavanagh, Rocque A.; Wilkinson, Bryan; Marks, Marc K.; and Zuniga, Gerardo, 4,796,347, Cl. 29-280.000.
- Casariego, Adrian: *See—*
  - Fournier, Jean; and Casariego, Adrian, 4,809,645, Cl. 122-6.00A.
- Casasent, David; and Lambert, James, to Teledyne Industries, Inc. Acousto-optic multi-channel space integrating correlator. 4,833,637, 5-23-89, Cl. 364-822.000.
- Casazza, Mark L., to Morton Machine Company, Inc. Device and method for metal stitching. 4,824,279, 4-25-89, Cl. 403-294.000.
- Casberg, John M., to Olin Corporation. Encased pool chemical tablet with domed ends. 4,876,003, 10-24-89, Cl. 210-169.000.
- Cascade Corporation: *See—*
  - Olson, John E., 4,861,223, Cl. 414-661.000.
- Cascade Microtech, Inc.: *See—*
  - Gleason, K. Reed; Jones, Keith E.; and Strid, Eric W., 4,849,689, Cl. 324-158.00P.
  - Jones, Keith E.; and Harwood, Warren K., 4,855,697, Cl. 333-33.000.
  - Leake, Bernard W.; and Davidson, Andrew C., 4,864,218, Cl. 324-57.00N.
  - Strid, Eric W.; and Gleason, Kimberly R., 4,827,211, Cl. 324-158.00P.
  - Strid, Eric W.; and Jones, Keith E., 4,858,160, Cl. 364-571.010.
- Cascade Wood Products Incorporated: *See—*
  - Roberts, William F.; and Collins, Truman D., 4,854,549, Cl. 256-69.000.
- Cascades Dominion Inc.: *See—*
  - McIntyre, David A., 4,795,080, Cl. 229-2.5EC.
- Cascadia Technology Corporation: *See—*
  - Knodle, Daniel W.; Mace, Leslie E.; and Labuda, Lawrence L., 4,859,858, Cl. 250-504.00R.
  - Knodle, Daniel W.; and Crone, William E., 4,859,859, Cl. 250-504.00R.
- CasChem, Inc.: *See—*
  - Brauer, Melvin; and Simone, Dominic, 4,877,455, Cl. 106-244.000.
  - Brauer, Melvin; and Crawford, Clayton C., 4,889,915, Cl. 525-458.000.
  - Chu, Yuan C.; and Brauer, Melvin, 4,865,735, Cl. 210-321.610.
  - Chu, Yuan C.; and Brauer, Melvin, 4,886,600, Cl. 210-321.800.
  - Simone, Dominic; and Brauer, Melvin, 4,812,533, Cl. 525-437.000.
- Casci, John L.; Lowe, Barrie M.; and Lowe, Thomas V., to Imperial Chemical Industries PLC. Method of making zeolite Eu-2. 4,836,996, 6-6-89, Cl. 423-328.000.
- Casci, John L.; Lowe, Barrie M.; and Lowe, Thomas V., to Imperial Chemical Industries PLC. Zeolite EU-2. 4,876,412, 10-24-89, Cl. 585-640.000.
- Casciani, Robert V., to Sandoz Ltd. Ethoxylates of alkyl and alkenyl catechols. 4,855,075, 8-8-89, Cl. 252-174.210.
- Casciani, Robert V.: *See—*
  - Latella, Anthony; and Casciani, Robert V., 4,879,399, Cl. 558-34.000.
- Cascieri, Margaret A.: *See—*
  - Applebaum, Joy D.; Bayne, Marvin L.; and Cascieri, Margaret A., 4,876,242, Cl. 514-3.000.
- Cascino, Lawrence A., to Gaska Tape, Inc. Self-adherent spacer for fragile objects. 4,806,404, 2-21-89, Cl. 428-40.000.
- Casco Nobel AB: *See—*
  - Axelsson, Anders R.; Bylander, Lolo; Porrvik, Sten; and Tanner, Olof, 4,837,107, Cl. 430-138.000.
  - Helmer, Ulla; Johansen, Randi; and Carlson, Ulf, 4,816,073, Cl. 106-238.000.
- Casco Products Corporation: *See—*
  - Beauvais, Thomas; Krenke, Vincent G.; Lupoli, Peter J.; and Mattis, Donald J., 4,840,137, Cl. 116-227.000.
  - Lupoli, Peter J.; and Mattis, Donald J., 4,803,320, Cl. 200-342.000.
  - Markus, James A., 4,859,987, Cl. 340-450.000.
- Case, Allen W., Jr.; Lillquist, Robert D.; and Sundell, Robert E., to General Electric Company. Method of determining the weldability of a part. 4,859,830, 8-22-89, Cl. 219-130.010.
- Case, Arnold A.; Lau, Frederick L.; and Basov, Emma, to Switchcraft, Inc. Terminal contact assembly. 4,826,455, 5-2-89, Cl. 439-744.000.
- Case, Bruce E.; and Kadlec, Phillip E., to BRS, Inc. Parachute reefing system. 4,863,119, 9-5-89, Cl. 244-152.000.
- Case, Cecil L.: *See—*
  - Guinn, Ronald K.; and Case, Cecil L., 4,815,265, Cl. 56-297.000.
  - O'Halloran, Michael L.; and Case, Cecil L., 4,821,494, Cl. 56-1.000.
- Case, Christopher; Loferski, Joseph J.; and Sanchez-Quesada, Francisco, to Brown University Research Foundation. Method and apparatus for sputter deposition of a semiconductor homojunction and semiconductor homojunction products created by same. 4,818,357, 4-4-89, Cl. 204-192.250.
- Case, Gerald P.: *See—*
  - Schulman, Marvin; Hannah, Harry; Stevenson, Richard B.; and Case, Gerald P., 4,820,538, Cl. 426-533.000.
- Case Group P.l.c.: *See—*
  - Leventis, Chris; and Pollard, Brian J., 4,866,295, Cl. 307-43.000.
- Case, Manson D.; Wilfong, Harry B., Jr.; and Hoffmeyer, William C., to Sonoco Products Company. Bag roll. 4,849,090, 7-18-89, Cl. 206-390.000.
- Case, Michael B.; and Farach, Orlando F. Installable headlight alarm system. 4,862,140, 8-29-89, Cl. 340-457.200.
- Case, Paul D.; and Dittrich, David J., to British-American Tobacco Company Limited. Smoking articles. 4,878,507, 11-7-89, Cl. 131-336.000.
- Case Poclain: *See—*
  - Lefevre, Jean-Claude A.; and Mauboussin, Antoine T., 4,872,472, Cl. 137-116.300.
- Case, Robert: *See—*
  - Bartlett, Randall N.; Case, Robert; Sauls, John; Jenkins, Arden; and McNew, James, 4,824,190, Cl. 312-138.00R.
- Case, Steven K.: *See—*
  - Jalkio, Jeffrey A.; and Case, Steven K., 4,872,747, Cl. 350-421.000.
- Case, Thomas A.: *See—*
  - Ailion, David C.; Case, Thomas A.; and Ganesan, Krishnamurthy, 4,818,937, Cl. 324-309.000.
- Case Western Reserve University: *See—*
  - Goodwin, George B.; and Kenney, Malcolm E., 4,824,985, Cl. 556-460.000.
  - Raviv, Daniel, 4,873,651, Cl. 364-513.000.

Caseley, Clifford D.: *See—*

Sunstein, Drew E.; and Caseley, Clifford D., 4,856,906, Cl. 356-435.000.

Casella, Tracey L.: *See—*

Lewis, Sheldon N.; Choy, Clement K.; Mizusawa, Eugene A.; and Casella, Tracey L., 4,851,139, Cl. 252-8.800.

Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., 4,882,917, Cl. 68-17.00A.

Casement, John M.: *See—*

De Vargas, Angela; and Casement, John M., 4,805,246, Cl. 4-251.000.

Caserta, Joseph N.: *See—*

Reed, Joseph; and Caserta, Joseph N., 4,843,229, Cl. 250-213.0VT.

Casey, Brendan: *See—*

Sheridan, Nicholas K.; Stearns, Richard G.; Frank, John A.; Casey, Brendan; and Gary, William, 4,812,860, Cl. 346-159.000.

Casey, Brendan C.; Gary, William L.; and Andrews, Albert E., to Xerox Corporation. Biased pretransfer baffle. 4,823,158, 4-18-89, Cl. 355-3.0TR.

Casey, Christine T.; and Record, Stephen E., to International Business Machines Corp. Full-screen input/output application program interface. 4,855,936, 8-8-89, Cl. 364-521.000.

Casey, Donald J.; Rosati, Louis; Jarrett, Peter K.; and Lehmann, Leonard T., to American Cyanamid Company. Bioabsorbable surgical suture coating. 4,857,602, 8-15-89, Cl. 525-408.000.

Casey, Donald J.; and Rosati, Louis, to American Cyanamid Company. Polyesters containing alkylene oxide blocks as drug delivery systems. 4,882,168, 11-21-89, Cl. 424-468.000.

Casey, Donn. Surgical clips. 4,822,348, 4-18-89, Cl. 604-346.000.

Casey, Edward P. J. Device for removing water from a fuel tank. 4,861,470, 8-29-89, Cl. 210-172.000.

Casey, Gary L., to Allied-Signal Inc. Dual disk brake. 4,844,206, 7-4-89, Cl. 188-18.00A.

Casey, Gary L. Variable rate shock absorber and system therefor. 4,854,429, 8-8-89, Cl. 188-299.000.

Casey, Gary L., to Allied-Signal Inc. Dual disk brake. 4,865,160, 9-12-89, Cl. 188-18.00A.

Casey, James O.: *See—*

Phillips, Bobby M.; and Casey, James O., 4,829,761, Cl. 57-248.000.

Casey, Jeremiah P.; Clift, Susan M.; and Milligan, Barton, to Air Products and Chemicals, Inc. Process of preparing polyurethanes cured with 2,6-idaminobenzoic acid derivatives and blends of the 2, 4 and 2,6 isomers. 4,810,769, 3-7-89, Cl. 528-64.000.

Casey, Jeremiah P.: *See—*

Burgoyne, William F., Jr.; Casey, Jeremiah P.; Dixon, Dale D.; and Milligan, Barton, 4,816,543, Cl. 528-64.000.

Casey, Jon A.: *See—*

Anderson, Herbert R., Jr.; Divakaruni, Renuka S.; Dynys, Joseph M.; Kandetzke, Steven M.; Kirby, Daniel P.; Master, Raj N.; and Casey, Jon A., 4,885,038, Cl. 156-89.000.

Casey, Joseph N.: *See—*

Binderman, Melvin D.; and Casey, Joseph N., 4,803,016, Cl. 260-403.000.

Casey, Larry D., to Nalco Chemical Company. Process for separating solids with a keratin filter aid. 4,869,829, 9-26-89, Cl. 210-706.000.

Casey, Lawrence J.: *See—*

Mushinski, Roger J.; Lewis, Charles E.; and Casey, Lawrence J., 4,884,385, Cl. 53-399.000.

Casey, Richard G.; and Mohiuddin, Kottappuram M., to International Business Machines Corporation. Method and apparatus for establishing pixel color probabilities for use in OCR logic. 4,831,657, 5-16-89, Cl. 382-39.000.

Casey, Robert F., to RCA Licensing Corporation. Interlace inversion corrector for a picture-in-picture video signal generator. 4,811,103, 3-7-89, Cl. 358-183.000.

Casey, Robert F., to RCA Licensing Corporation. Picture-in-picture video signal generator. 4,839,728, 6-13-89, Cl. 358-183.000.

Casey, Shawn E.; and West, Terence H., to Seagate Technology, Inc. Crash stop and magnetic latch for a voice coil actuator. 4,890,176, 12-26-89, Cl. 360-105.000.

Casey, Susan D. Modular energy saving covering. 4,878,258, 11-7-89, Cl. 5-420.000.

Casey, Walter P., Jr., to Wetco of Delaware, Inc. Tubular element for reverse osmosis water pruification. 4,874,514, 10-17-89, Cl. 210-321.870.

Casey, William L., to United States of America, Air Force. Diffraction limited dichroic combiner diode laser. 4,823,357, 4-18-89, Cl. 372-92.000.

Casey, William W. Performance motivational game. 4,864,499, 9-5-89, Cl. 364-412.000.

Cash, Glenn L.; Hatamian, Mehdi; and Ligtenberg, Adrianus, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Pipeline arithmetic adder and multiplier. 4,887,233, 12-12-89, Cl. 364-757.000.

Cash, Walter, Jr.: *See—*

Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gosselin, Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, 4,885,182, Cl. 426-482.000.

Cashell, Edmund M.; and McDonnell, Liam, to Tekscan Limited. Manipulator for handling objects within a sealed chamber. 4,850,779, 7-25-89, Cl. 414-3.000.

Cashell, Edmund M.; and McDonnell, Liam, to Tekscan Limited. Surface analysis spectroscopy apparatus. 4,860,224, 8-22-89, Cl. 364-551.010.

Cashman, John J., to Ridgeline Corporation. Roof vent. 4,817,506, 4-4-89, Cl. 98-42.210.

Casi-Rusco, Inc.: *See—*

Khandwala, Bhupendra J.; Young, Jorge A.; and Kalustian, Sarkis V., 4,816,658, Cl. 235-382.000.

Casida, John E.: *See—*

Palmer, Christopher J.; and Casida, John E., 4,876,274, Cl. 514-452.000.

Casiello, Nicholas. Reusable container handle. 4,821,372, 4-18-89, Cl. 16-114.00R.

Casier, Dirk: *See—*

Botzolakis, John E.; Casier, Dirk; and Harris, Michael R., 4,864,876, Cl. 73-862.540.

Casio Computer Co., Ltd.: *See—*

Aihara, Toshiharu, 4,864,604, Cl. 379-110.000.

Aihara, Toshiharu, 4,881,205, Cl. 365-222.000.

Atsumi, Hiroki, 4,836,712, Cl. 400-22.000.

Bitoh, Hiroyasu, 4,804,825, Cl. 235-380.000.

Chikauchi, Masami, 4,823,395, Cl. 382-48.000.

Fujii, Hiroshi, 4,815,032, Cl. 364-900.000.

Fujimura, Koh; Endo, Kenzo; and Saito, Kohei, 4,832,460, Cl. 350-346.000.

Fujimura, Koh; Higa, Masakatsu; and Aoki, Hisashi, 4,836,654, C 350-346.000.

Fuse, Takahiro; and Yamagishi, Koji, 4,878,047, Cl. 340-784.000.

Hanzawa, Kohtaro; Morikawa, Shigenori; and Nakamura, Kazuhisa, 4,864,625, Cl. 381-61.000.

Hara, Kazuya; and Rikuna, Kenji, 4,795,895, Cl. 235-492.000.

Hara, Kazuya, 4,797,542, Cl. 235-380.000.

Hara, Kazuya; Inoue, Takanori; and Bito, Hiroyasu, 4,876,441, Cl. 235-488.000.

Hara, Kazuya; and Rikuna, Kenji, 4,889,980, Cl. 235-488.000.

Homma, Satoshi; and Watanabe, Tohru, 4,839,506, Cl. 235-379.000.

Iba, Akio; and Uchiyama, Shigeru, 4,817,484, Cl. 84-1.160.

Kizaki, Seiichi, 4,846,999, Cl. 252-299.630.

Kondo, Akio, 4,827,111, Cl. 235-380.000.

Kudo, Toshio, 4,837,094, Cl. 428-694.000.

Kudo, Toshio, 4,865,658, Cl. 148-121.000.

Kurashima, Isao, 4,847,798, Cl. 364-708.000.

Matsubara, Akinori; Tsutsumi, Kenichi; Kaneko, Youji; Akutsu, Takashi; and Tateishi, Naofumi, 4,854,209, Cl. 84-1.010.

Matsuda, Takashi, 4,805,509, Cl. 84-1.010.

Matsunaga, Tsuyoshi; and Shimizu, Hideaki, 4,803,560, Cl. 358-236.000.

Muranaga, Yoshinobu; and Sato, Takashi, 4,851,896, Cl. 358-443.000.

Nakano, Harumi; and Shigenaga, Yoshimi, 4,810,862, Cl. 235-380.000.

Nakano, Harumi; and Tani, Kazutomo, 4,816,656, Cl. 235-380.000.

Nakano, Harumi, 4,839,504, Cl. 235-379.000.

Nakano, Harumi; and Kawana, Shigeyuki, 4,845,351, Cl. 235-492.000.

Ohta, Morio; and Inoue, Hideaki, 4,819,186, Cl. 364-519.000.

Okuda, Hiroko; and Takenaka, Makoto, 4,875,400, Cl. 84-626.000.

Rikuna, Kenji, 4,827,113, Cl. 235-432.000.

Sato, Takashi; and Sano, Teruo, 4,851,921, Cl. 358-474.000.

Sato, Takashi; Yamauchi, Kazuki; and Ishibashi, Norio, 4,862,281, Cl. 358-400.000.

Shigenaga, Yoshimi, 4,803,351, Cl. 235-492.000.

Shigenaga, Yoshimi, 4,809,326, Cl. 380-23.000.

Shigenaga, Yoshimi, 4,852,156, Cl. 379-172.000.

Shimazaki, Tatsuo, 4,824,210, Cl. 350-331.00R.

Shimizu, Atsuko; Fujii, Hiroshi; and Ohki, Shinichi, 4,807,639, Cl. 128-690.000.

Shinohara, Isao, 4,876,938, Cl. 84-611.000.

Shoji, Masaru; and Yatabe, Mitsunobu, 4,853,909, Cl. 368-190.000.

Suga, Fusao, 4,831,605, Cl. 368-113.000.

Sugiyama, Kazuhiro; and Kawai, Yoshio, 4,801,768, Cl. 200-5.00A.

Suzuki, Hideo, 4,801,787, Cl. 235-380.000.

Tamaki, Nobuo; Okuyama, Masayoshi; Ida, Yasushi; and Yamada, Toru, 4,835,716, Cl. 364-558.000.

Uchiyama, Shigeru, 4,841,827, Cl. 84-1.010.

Umeda, Osamu; Nakakusu, Tohru; Sato, Makoto; and Shimazaki, Tatsuo, 4,875,064, Cl. 353-78.000.

Usui, Minoru, 4,816,816, Cl. 340-784.000.

Usui, Norihisa; and Hihara, Hisashi, 4,817,065, Cl. 368-62.000.

Yabe, Nobol; Hirata, Kazumasa; Mori, Shuri; and Yamauchi, Ken 4,809,078, Cl. 358-236.000.

Yabe, Noboru; and Yasui, Yoshimata, 4,828,944, Cl. 429-97.000.

Yamada, Wataru; Fujio, Satoshi; and Nakamura, Kenichi, 4,858,210, Cl. 368-238.000.

Yanai, Tsuguo; Inagaki, Yukio; Matsuo, Shoji; and Fujiwara, Hidetaka, 4,806,923, Cl. 340-784.000.

Yoshida, Junichi; Sugano, Shinichi; and Koike, Masaaki, 4,887,188, Cl. 361-413.000.

Yoshida, Tetsushi, 4,874,543, Cl. 252-299.610.

Yoshimoto, Itsuro; and Otsuki, Kuniyoshi, 4,833,549, Cl. 360-191.000.

Casio Electronics Manufacturing Co., Ltd.: *See—*

Ohta, Morio; and Inoue, Hideaki, 4,819,186, Cl. 364-519.000.

Caskey, Kenneth D.; and MacLaughlin, Scott, to Halliburton Company. Plugging apparatus for a gravel packer. 4,871,018, 10-3-89, C 166-142.000.

Caskey, Terrence L., to Dow Chemical Company, The. Assembly of water wet hollow fibers and a tubesheet derived from a diglycidyl ether of a dihydroxy benzene. 4,842,910, 6-27-89, Cl. 428-36.300.

Caskey, Terrence L.: *See—*

DeVellis, Robert; Schroeder, Lawrence R.; Paalman, H. Hunter; Tong, Curtis M.; Caskey, Terrence L.; and Martin, Charles W., 4,846,977, Cl. 210-640.000.

Casler, Richard J., Jr.: *See—*

Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; and Booth, Barrett L., 4,851,748, Cl. 318-568.200.

Daggett, Kenneth E.; Onaga, Eimei M.; and Casler, Richard J., Jr., 4,864,204, Cl. 318-568.200.

Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; and Johnson, Richard A., 4,874,997, Cl. 318-568.100.

Daggett, Kenneth E.; Onaga, Eimei M.; and Casler, Richard J., Jr., 4,876,494, Cl. 318-568.220.

Lancraft, Roy E.; Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; Booth, Barrett L.; Bergman, Norman J.; and Nuncy, Marcus D., 4,868,474, Cl. 318-568.200.

Onaga, Eimei M.; and Casler, Richard J., Jr., 4,807,153, Cl. 364-513.000.

Onaga, Eimei M.; and Casler, Richard J., Jr., 4,864,206, Cl. 318-568.110.

Casma S.p.A.: *See—*

Marinoni, Mario, 4,881,296, Cl. 16-237.000.

Casna, Nancy J.: *See—*

Shub, David A.; and Casna, Nancy J., 4,845,031, Cl. 435-68.000.

Caspar, Manfred, to Fichtel & Sachs AG. Torsional vibration damper. 4,848,551, 7-18-89, Cl. 192-106.200.

Caspar, Manfred: *See—*

Drexl, Hans-Jurgen; Schierling, Bernhard; Hartig, Franz; and Caspar, Manfred, 4,813,295, Cl. 74-572.000.

Schierling, Bernhard; Caspar, Manfred; Raab, Harald; Hartig, Franz; Pieper, Norbert; and Grosspietsch, Wolfgang, 4,809,830, Cl. 192-3.290.

Caspari, Richard B.: *See—*

McGurk-Burleson, Erin; Koehler, Elmer; Packham, Victor; Thimsen, James A.; Whipple, Terry L.; and Caspari, Richard B., 4,867,157, Cl. 128-305.000.

Thimsen, James A.; Whipple, Terry L.; and Caspari, Richard B., 4,844,064, Cl. 128-305.000.

Casparian, Robert E., to Hanover Research Corporation. Apparatus for improved top feed distribution for falling film evaporator. 4,857,144, 8-15-89, Cl. 159-13.200.

Caspell, George J., to Tektronix, Inc. High speed R-S latch. 4,825,100, 4-25-89, Cl. 307-279.000.

Casper Colosimo & Son, Inc.: *See—*

Johnson, Harry; and Ware, Ralph M., 4,812,079, Cl. 405-164.000.

Van Pelt, Norman, 4,877,355, Cl. 405-159.000.

Casper, Don: *See—*

Burkhart, Gilbert B., III; Casper, Don; and Rosenberg, David E., 4,821,400, Cl. 29-527.400.

Casper, Hannelore: *See—*

Puchta, Rolf; Nuesslein, Hans; and Casper, Hannelore, 4,839,075, Cl. 252-8.[illegible]00.

Casper, Paul W.: *See—*

Bent, Rodney B.; and Casper, Paul W., 4,812,852, Cl. 342-457.000.

Casper, Rudolf; Wendling, Peter; Konter, Wolfgang; and Hohmann, Gerhard, to Bayer Aktiengesellschaft. Polymerization of chloroprene. 4,839,447, 6-13-89, Cl. 526-225.000.

Casper, Rudolf: *See—*

Buding, Hartmuth; and Casper, Rudolf, 4,853,441, Cl. 525-339.000.

Eichenauer, Herbert; Buding, Hartmuth; Doring, Joachim; Casper, Rudolf; and Ott, Karl-Heinz, 4,857,591, Cl. 525-74.000.

Casper, Thomas J.: *See—*

Fillar, John A.; Casper, Thomas J.; and Wiegand, James H., 4,863,418, Cl. 474-207.000.

Caspers, John: *See—*

Van Driesen, Roger P.; Adams, William R.; Baldasarri, Mario; Caspers, John; and Trimble, Harold, 4,875,995, Cl. 208-152.000.

Casperson, John R., to Phillips Petroleum Company. Method for carbon black production. 4,826,669, 5-2-89, Cl. 423-456.000.

Casperson, Stephen: *See—*

Berg, Richard D.; Murphy, John H.; and Casperson, Stephen, 4,814,165, Cl. 424-63.000.

Caspian International, Inc.: *See—*

Doble, Florimel; Gallego, Jose M.; Steidl, El; and Jaffari, Cyrus, 4,826,605, Cl. 210-721.000.

Cass, Philip. Security closure. 4,826,264, 5-2-89, Cl. 312-312.000.

Cassaday, Michael M., to Technicon Instruments Corporation. Minimum carryover container, and analysis system incorporating the same. 4,865,993, 9-12-89, Cl. 436-52.000.

Cassaday, Michael M.: *See—*

Saros, Stephen; Smith, John L.; Cassaday, Michael M.; Herron, Rand E.; and Pelavin, Milton H., 4,853,336, Cl. 436-53.000.

Cassady, Henry W., Jr.; Hanset, Richard E.; Livingston, James W.; and Moreland, Gary D., to Beta Technology, Inc. Standpipe support for flexible tube. 4,865,232, 9-12-89, Cl. 222-464.000.

Cassady, Henry W., Jr.: *See—*

Livingston, James W.; Cassady, Henry W., Jr.; Hosking, Stephen G.; Warner, Thomas J.; and Moreland, Gary D., 4,848,381, Cl. 134-57.00R.

Cassagne, Jean-Pierre; and Scrive, Laurent, to Gas De France. Inner ceramic tube in particular for a glove finger-shaped radiant tube for recirculation. 4,850,334, 7-25-89, Cl. 126-91.00R.

Cassal, Jean-Marie: *See—*

Barner, Richard; Burri, Kaspar; Cassal, Jean-Marie; Hadvary, Paul; Hirth, Georges; and Muller, Klaus, 4,863,941, Cl. 514-365.000.

Cassani, Alexandre, to Tesa S.A. Feeler for omnidirectional contactor system. 4,859,817, 8-22-89, Cl. 200-61.410.

Cassani, Giovanni: *See—*

Riva, Ernesto; Selva, Enrico; Denaro, Maurizio; Cassani, Giovanni; and Parenti, Francesco, 4,804,534, Cl. 424-118.000.

Selva, Enrico; Riva, Ernesto; Cassani, Giovanni; and Parenti, Francesco, 4,868,171, Cl. 514-183.000.

Cassar, Luigi: *See—*

Greco, Alberto; Cassar, Luigi; Costanzi, Silvestro; and Neri, Carlo, 4,888,375, Cl. 524-262.000.

Cassard, Denis J., to S.A.R.L. Etablissements Rigaux. Clip-frame type device for displaying a document. 4,805,325, 2-21-89, Cl. 40-152.000.

Cassaro, Michael, Jr. Boat bow protector. 4,815,412, 3-28-89, Cl. 114-343.000.

Cassat, Robert, to Ciba-Geigy Corporation. Metallizable substrate composites and printed circuits produced therefrom. 4,799,996, 1-24-89, Cl. 162-136.000.

Casse, Pierre; and Billet, Rene, to Valeo. Locking assembly for hydrokinetic device suitable for automobile transmission. 4,844,222, 7-4-89, Cl. 192-3.280.

Casse, Pierre; and Chasseguet, Gustave, to Valeo. Torsional damper device comprising two coaxial parts cooperating with circumferentially acting springs. 4,874,350, 10-17-89, Cl. 464-68.000.

Casse, Pierre: *See—*

Chasseguet, Gustave; Naudin, Jacky; and Casse, Pierre, 4,838,395, Cl. 188-378.000.

Casseau, William U.: *See—*

Mundloch, James D.; and Casseau, William U., 4,805,540, Cl. 105-358.000.

Cassel, Scott T., to BKS Company. Band clamp with improved clamping arrangement. 4,813,720, 3-21-89, Cl. 285-419.000.

Cassel, Willard F., Jr.: *See—*

Bogar, Jerry H.; Cassel, Willard F., Jr.; Mummey, Dale B.; Oberman, Carl D.; and Summers, Donald J., 4,861,271, Cl. 439-63.000.

Cassella Aktiengesellschaft: *See—*

Bauer, Wolfgang; Keil, Karl-Heinz; Nagl, Gert; Kaiser, Manfred; Steinbach, Joachim; and Sternberger, Klaus, 4,810,254, Cl. 8-554.000.

Bauer, Wolfgang; and Steckelberg, Willi, 4,871,754, Cl. 514-373.000.

Bauer, Wolfgang; Steckelberg, Willi; and Ritter, Josef, 4,881,977, Cl. 106-22.000.

Bohn, Helmut; Just, Melitta; and Nitz, Rolf-Eberhard, 4,888,333, Cl. 514-212.000.

Buhler, Ulrich; Schophoff, Friedrich; and Weidemuller, Wolf, 4,795,807, Cl. 534-58.000.

Buhler, Ulrich; Tappe, Horst; Kuhn, Reinhard; Bode, Albert; and Boss, Margareta, 4,802,889, Cl. 8-639.000.

Buhler, Ulrich; Kruse, Hubert; Kuhn, Reinhard; and Boos, Margareta, 4,851,012, Cl. 8-639.000.

Engelhardt, Fritz; Hintermeier, Karl; Muller, Manfred; Munch, Norbert; and Wagener, Hans, 4,877,540, Cl. 252-8.750.

Forster, Frank; Keller, Karlfried; Becker, Hermann; and Lotz, Werner, 4,822,372, Cl. 8-94.240.

Hofmann, Klaus; Buhler, Ulrich; and Dietz, Erwin, 4,812,143, Cl. 8-528.000.

Riegel, Ulrich; Engelhardt, Fritz; Reh, Kuno; Croon, Helmut; Becker, Hermann; and Lotz, Werner, 4,828,570, Cl. 8-94.19R.

Ruger, Wolfgang; Driesen, Gerd; Bohn, Helmut; and Martorana, Piero, 4,845,099, Cl. 514-253.000.

Schonafinger, Karl; Beyerle, Rudi; Bohn, Helmut; Just, Melitta; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,845,091, Cl. 514-212.000.

Zoller, Gerhard; Beyerle, Rudi; Just, Melitta; Bohn, Helmut; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,816,454, Cl. 514-211.000.

Zoller, Gerhard; Beyerle, Rudi; Schindler, Ursula; Nitz, Rolf-Eberhard; and Martorana, Piero, 4,837,225, Cl. 514-427.000.

Cassereau, Philippe: *See—*

Jaffe, Jules S.; Cassereau, Philippe; and Sato, Tomomasa, 4,855,961, Cl. 367-7.000.

Casserly, Edward W.: *See—*

Venier, Clifford G.; and Casserly, Edward W., 4,849,566, Cl. 585-23.000.

Cassese, Antoine. Device for assembling, by clipping, moldings incorporating several rabbets. 4,817,965, 4-4-89, Cl. 227-3.000.

Cassese, Antoine. Automatic vertical glass cutting machine. 4,871,104, 10-3-89, Cl. 225-96.000.

Cassese, Ferdinando, to Ferrari Engineering S.p.A. Rear frame forming part of a supporting structure of a motor vehicle. 4,811,812, 3-14-89, Cl. 180-295.000.

Cassese, Ferdinando, to Ferrari Engineering S.p.A. Front frame forming part of a supporting structure of a motor vehicle. 4,811,970, 3-14-89, Cl. 280-788.000.

Cassese, Ferdinando, to Ferrari Engineering S.p.A. Supporting structure for a motor vehicle. 4,869,539, 9-26-89, Cl. 280-781.000.

Cassia, Antonio M., to Steiner Company, Inc. Liquid soap dispenser. 4,886,192, 12-12-89, Cl. 222-181.000.

Cassiani-Ingoni, Serge: *See—*

Aubry, Jean; Cassiani-Ingoni, Serge; and Hauschild, Remi, 4,861,821, Cl. 524-512.000.

Cassidy, Donald J.; Van Alsten, Roy L.; and Milberg, Morton E., to Ford Motor Company. Method of making a stress resistant, partially stabilized zirconia ceramic. 4,866,014, 9-12-89, Cl. 501-103.000.

Cassidy, Edward F.; Gillis, Herbert R.; Leenslag, Jan W.; and Parfondry, Alain, to ICI Americas Inc.; and Imperial Chemical Industries PLC. Polyisocyanate compositions. 4,866,103, 9-12-89, Cl. 521-159.000.

Cassidy, Frederick; and Faruk, Erol A., to Beecham Group p.l.c. Pyrrolidinyl benzopyrans as hypotensive agents. 4,831,050, 5-16-89, Cl. 514-422.000.

Cassidy, Frederick: *See—*

Evans, John M.; Stemp, Geoffrey; and Cassidy, Frederick, 4,812,459, Cl. 514-254.000.

Cassidy, Jerald L. Combination running light and spot light device for a boat. 4,884,173, 11-28-89, Cl. 362-61.000.

Cassidy, Michael F.: *See—*

Dorsey-Zinn, Denise; Meiser, Sue M.; and Cassidy, Michael F., 4,811,951, Cl. 273-157.00R.

Cassidy, Patrick A. Firewood bundling apparatus and method. 4,829,750, 5-16-89, Cl. 53-556.000.

Cassidy, Stephen A., to British Telecommunications public limited company. Wavelength sensitive optical devices. 4,867,522, 9-19-89, Cl. 350-96.190.

Cassidy, Stephen A.: *See—*

Reeve, Michael H.; and Cassidy, Stephen A., 4,796,970, Cl. 350-96.230.

Cassidy, Thomas: *See—*

Sharp, David P.; Lee, Charles H.; and Cassidy, Thomas, 4,885,482, Cl. 307-465.000.

Cassimatis, Eric: *See—*

Guichard, Jacques; and Cassimatis, Eric, 4,841,464, Cl. 364-725.000.

Cassinelli, Edgar, to Prime Computer, Inc. Semiconductor chip carrier package. 4,860,165, 8-22-89, Cl. 361-388.000.

Cassity, Thomas G.; Montgomery, William C.; Baker, Gerald S.; Wedel, Alfred W.; and Taylor, William M., to Cameron Iron Works USA, Inc. Method and apparatus for operating equipment in a remote location. 4,862,426, 8-29-89, Cl. 367-81.000.

Cassity, Thomas G.: *See—*

Szymozak, Edward J.; Cassity, Thomas G.; Taylor, William M.; Tiemer, Peer H.; Hoes, Larry M.; Smith, Jerry D.; and Davies, Timothy C., 4,869,319, Cl. 166-115.000.

Taylor, William M.; and Cassity, Thomas G., 4,817,716, Cl. 166-277.000.

Cassola, Adrian; Kwok, John C.; Robinson, Keith J.; Smith, Brian H. A.; and Longuet, Michel, to Polysar Limited. Thermoset resin compositions. 4,877,832, 10-31-89, Cl. 525-64.000.

Cassoli Macchine Automatiche Confezionatrici S.r.l.: *See—*

Cassoli, Paolo, 4,854,108, Cl. 53-209.000.

Cassoli, Paolo, to Cassoli Macchine Automatiche Confezionatrici S.r.l. Automatic wrapping machine. 4,854,108, 8-8-89, Cl. 53-209.000.

Cassou, Bertrand: *See—*

Cassou, Robert; Cassou, Bertrand; and Cassou, Maurice, 4,821,490, Cl. 53-423.000.

Cassou, Robert; Cassou, Bertrand; and Cassou, Maurice, 4,846,785, Cl. 600-34.000.

Cassou, Maurice: *See—*

Cassou, Robert; Cassou, Bertrand; and Cassou, Maurice, 4,821,490, Cl. 53-423.000.

Cassou, Robert; Cassou, Bertrand; and Cassou, Maurice, 4,846,785, Cl. 600-34.000.

Cassou, Robert; Cassou, Bertrand; and Cassou, Maurice. Method of and apparatus for closing the end of a paillette. 4,821,490, 4-18-89, Cl. 53-423.000.

Cassou, Robert; Cassou, Bertrand; and Cassou, Maurice. Instrument for artificial insemination, embryo transfer or sampling follicular liquids in mammals. 4,846,785, 7-11-89, Cl. 600-34.000.

Castagna, John F.: *See—*

Freadman, Tommyca; and Castagna, John F., 4,884,655, Cl. 181-145.000.

Castagna, Joseph T.; and Cardona, Joseph C., to Priam Corporation. Spindle motor assembly for low acoustic noise environments. 4,833,667, 5-23-89, Cl. 369-263.000.

Castagna, Joseph T.: *See—*

Hazebrouck, Henry B.; and Castagna, Joseph T., 4,843,503, Cl. 360-106.000.

Castagnozzi, Daniel M., to Tektronix, Inc. Digital trigger. 4,888,588, 12-19-89, Cl. 341-122.000.

Castaldi, Graziano; and Giordano, Claudio, to Zambon S.p.A. Intermediates for the synthesis of carboxylic acids. 4,824,970, 4-25-89, Cl. 549-296.000.

Castaldi, Graziano: *See—*

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,810,819, Cl. 562-56.000.

Giordano, Claudio; and Castaldi, Graziano, 4,845,243, Cl. 549-296.000.

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,855,464, Cl. 549-450.000.

Giordano, Claudio; and Castaldi, Graziano, 4,861,903, Cl. 549-434.000.

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,888,433, Cl. 549-450.000.

Castaldi, Steven A.: *See—*

Larson, Gary B.; Ruszczyk, Stanley J.; and Castaldi, Steven A., 4,804,615, Cl. 430-314.000.

Larson, Gary B.; Ferrier, Donald R.; Ruszczyk, Stanley J.; and Castaldi, Steven A., 4,831,210, Cl. 174-35.0MS.

Castan, Joseph, to Societe Industrielle de l'Anhydride Carbonique. Process for apparatus for cryogenic cooling using liquid carbon dioxide as a refrigerating agent. 4,886,534, 12-12-89, Cl. 62-35.000.

Castaneda, Henry B., to Chemetrics, Inc. Test kit for colorimetric analysis. 4,876,068, 10-24-89, Cl. 422-58.000.

Castaneda, Julio C.: *See—*

Siddoway, Craig F.; Castaneda, Julio C.; and Iezzi, Peter D., 4,858,798, Cl. 224-242.000.

Castanys, Santiago: *See—*

Osuna Carillo de Albornoz, Antonio; and Castanys, Santiago, 4,844,900, Cl. 424-81.000.

Castec, Inc.: *See—*

Cooper, David; Wadhwani, Suresh K.; and Praamsma, Michael, 4,846,249, Cl. 160-345.000.

Casteel, Carroll M.: *See—*

Hwang, Bor-Yuan; Casteel, Carroll M.; and Mastroianni, Sal T., 4,847,210, Cl. 437-3.000.

Casteel, Eric P.: *See—*

Delucia, R. Ralph; Wolf, Daniel J.; and Casteel, Eric P., 4,819,233, Cl. 371-19.000.

Casteel, Larry L.; and Bowlin, Robert L., Sr., to Liberty Industries, Inc. Stretch wrapping roping apparatus. 4,807,427, 2-28-89, Cl. 53-556.000.

Castel, Egil D.: *See—*

Kulkarni, Vivek D.; and Castel, Egil D., 4,824,521, Cl. 156-643.000.

Riley, Paul E.; Kulkarni, Vivek D.; and Castel, Egil D., 4,839,311, Cl. 437-228.000.

Castel, Jean. Supple bag made by flat assembly of a system of films intended to constitute, by extension, a stable recipient, and process for obtaining same. 4,810,109, 3-7-89, Cl. 383-105.000.

Castel, Yves: *See—*

Berson, Xavier; Bouyssou, Michel; Castel, Yves; Chaumont, Daniel; and Gudin, Claude, 4,868,123, Cl. 435-290.000.

Castel, Yvon, to Institut Francais du Petrole. Device and method for remotely positioning and connecting an end of an elongate element to a connector. 4,848,949, 7-18-89, Cl. 403-12.000.

Castel, Yvon, to Institut Francais du Petrole. Method and device for the remote positioning of an elbow coupling. 4,878,694, 11-7-89, Cl. 285-24.000.

Castel, Yvon: *See—*

Joubert, Philippe; and Castel, Yvon, 4,809,952, Cl. 254-29.00A.

Castelas, Bernard L., to Centre Meridional d'Oenologie. Processes for manufacturing thin membranes composed of an organic lattice of titanium and silicon oxides and powder composed of submicronic grains of mixed titanium and silicon oxides. 4,814,202, 3-21-89, Cl. 427-226.000.

Castellan, Arsenio: *See—*

Cuzzato, Paolo; Castellan, Arsenio; and Pasquale, Antonio, 4,814,113, Cl. 260-544.00F.

Castellani, Norman; Holland, Robert C.; and Holland, Gerard, to Castellani, Norman; Holland, Robert C.; Holland, Gerard; and Raceway Components, Inc. Multiple service fitting. 4,827,080, 5-2-89, Cl. 174-48.000.

Castellano, Anthony J., to Century Container Corporation. Sun screen for vehicle. 4,877,074, 10-31-89, Cl. 160-84.100.

Castellano, Claudio: *See—*

Brufani, Mario; Castellano, Claudio; Marta, Maurizio; Oliverio, Alberto; Pavone, Flaminia; and Pomponi, Massimo, 4,831,155, Cl. 548-429.000.

Castellano, Maurizio: *See—*

Faggian, Lucio; Castellano, Maurizio; Platone, Edoardo; and Franco, Cosimo, 4,843,184, Cl. 585-864.000.

Castelli, Arrigo, to Elettronica Trentina S.p.A. Armlet device with an electrode for picking up physiological electrical potentials. 4,809,70 3-7-89, Cl. 128-644.000.

Castelli, Cesare. Low profile siphonic flush closet. 4,835,797, 6-6-89, Cl. 4-332.000.

Castelli, Charles C.: *See—*

McKinley, Milton A.; and Castelli, Charles C., 4,844,335, Cl. 237-8.00R.

Castelli, Clino T. Soundproof structure for generic interior facing and particularly for so-called open-space working, interiors. 4,829,72 5-16-89, Cl. 52-145.000.

Castelli, Giovanni, to Simac S.r.l. Automatic espresso coffee making machine for household use. 4,858,522, 8-22-89, Cl. 99-280.000.

Castelli, Pierluigi: *See—*

Pariani, Emilio; Caramaschi, Vittorio; and Castelli, Pierluigi, 4,808,075, Cl. 416-140.000.

Castelli, Renato; Van Hoye, Willy; Sijmons, Eric; Morel, Henri; and Nowacki, Jean M., to Samsonite Corporation. Adjustable portfolio strap arrangement. 4,844,214, 7-4-89, Cl. 190-103.000.

Castellini, Carlo; and Longobardi, Giuseppe, to Instituto Nazionale D Ottica. Device for the control of the weft yarn in the looms operated by compressed air. 4,805,671, 2-21-89, Cl. 139-370.200.

Castellini, Franco, to Castellini S.p.A. Method and an apparatus for cold sterilization of surgical instruments, in particular dental surgery instruments. 4,839,004, 6-13-89, Cl. 204-128.000.

Castellini, Franco, to Castellini S.p.A. Compact apparatus for the support of suspended power driven instruments, in particular for dental surgery instruments. 4,889,488, 12-26-89, Cl. 433-110.000.

Castellini S.p.A.: *See—*

Castellini, Franco, 4,839,004, Cl. 204-128.000.

Castellini, Franco, 4,889,488, Cl. 433-110.000.

Castello, Josep M.: *See—*

Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; Castello, Josep M.; and Ortiz, Jose A., 4,843,165, Cl. 548-341.000.

Castells, Raul: *See—*

Witkowski, Jan, 4,884,537, Cl. 123-248.000.

Castelluzzo, James. Utility knife. 4,813,132, 3-21-89, Cl. 30-162.000.

Castelluzzo, James, to Unique Knife Manufacturing Corp. Apparatus for ensuring that a knife is opened in a desired orientation. 4,858,319, 8-22-89, Cl. 30-125.000.

Castenmiller, Wilhelmus A. M.; Chesters, Allan K.; and Ernsting, Peter B., to Lever Brothers Company. Edible plastic product. 4,874,626, 10-17-89, Cl. 426-564.000.

Caster, Kenneth C.; and Readshaw, Ronald L., to Union Carbide Corporation. Paint removing composition containing lower alkyl-substituted 2-oxazolidinones. 4,865,758, 9-12-89, Cl. 252-171.000.

Castera, Charles: *See—*

Guesnet, Patrice; Kawamura, Tetsuchi; Savin, Gerard; Poncet, Sabine; and Castera, Charles, 4,880,552, Cl. 252-34.000.

Castetter, Thomas L.: *See—*

Chesnut, M. Gaines; and Castetter, Thomas L., 4,862,620, Cl. 42-50.000.

Ca[illegible] Products Limited: *See—*

[illegible]itehead, Derek J., 4,863,455, Cl. 604-890.100.

Castiglioni, Achille; Zerbi, Ernesto; and Pozzi, Giancarlo. Rest structure in the form of rod-shaped bodies removably connected to cross-members. 4,827,543, 5-9-89, Cl. 5-191.000.

Castiglioni, Albino. Apparatus for the continuous shearing off and cold swaging of metal workpieces. 4,866,970, 9-19-89, Cl. 72-337.000.

Castiglioni, Claudio. Articulated cover-holder to be mounted on small suitcases. 4,867,494, 9-19-89, Cl. 292-263.000.

Castiglioni, Giovanni P., to F.I.C.I. Finanziaria Industriale Commerciale Immobiliare SpA. Machine for slitting continuous tapes into stripes, in particular with cutting cylinders having variable size. 4,836,073, 6-6-89, Cl. 83-344.000.

Castilla, Antonio J. Portable luggage carrier for automobiles. 4,799,609, 1-24-89, Cl. 224-42.070.

Castille, Leopold A.: *See—*

Smith, Roderick J.; and Castille, Leopold A., 4,859,180, Cl. 433-31.000.

Castillo, Bradley E., to Barnes-Hind, Inc. Contact lens case. 4,826,001, 5-2-89, Cl. 206-5.100.

Castillo, David D. Grip apparatus for weightlifting bar. 4,867,444, 9-19-89, Cl. 272-123.000.

Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., to Innovation Sports, Inc. Knee brace having adjustable width frame pivoted to cuffs. 4,856,501, 8-15-89, Cl. 128-80.00C.

Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., to Innovation Sports, Inc. Knee brace with cammed stop lever. 4,886,054, 12-12-89, Cl. 128-80.00F.

Castillo, James D.: *See—*

Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., 4,856,501, Cl. 128-80.00C.

Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., 4,886,054, Cl. 128-80.00F.

Castillo, Michael S.: *See—*

Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., 4,856,501, Cl. 128-80.00C.

Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., 4,886,054, Cl. 128-80.00F.

Castip Industrial Co., Ltd.: *See—*

Lee, Jung T., 4,850,624, Cl. 292-228.000.

Castle, Homer, to Carl Orser. Reusable form for storm sewer collection box inlets. 4,844,403, 7-4-89, Cl. 249-10.000.

Castleberry, Donald E., to General Electric Company. Redundant conductor structures for thin film FET driven liquid crystal displays. 4,804,953, 2-14-89, Cl. 340-784.000.

Castleberry, Donald E., to General Electric Company. Method and system for eliminating cross-talk in thin film transistor matrix addressed liquid crystal displays. 4,873,516, 10-10-89, Cl. 340-784.000.

Castleberry, Donald E.: *See—*

Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., 4,855,806, Cl. 357-59.000.

Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., 4,889,411, Cl. 350-334.000.

Castlebury, Gerald E. Canopy apparatus for childrens' swings. 4,825,890, 5-2-89, Cl. 135-96.000.

Castleman, Bruce W., to Brunswick Corporation. System for trace gas detection. 4,828,800, 5-9-89, Cl. 422-83.000.

Castleman, Bruce W.; Cates, Marion H.; Szonntagh, Eugene L.; Walker, Rex R.; and Wilhite, W. Frank, to Brunswick Corporation. Sorption/desorption method and apparatus. 4,865,996, 9-12-89, Cl. 436-161.000.

Castleman, Lawrence D. Foldable intraocular disc lens. 4,878,912, 11-7-89, Cl. 623-6.000.

Castles, Stephen H.; and Schein, Michael E., to United States of America, National Aeronautics and Space Administration. Surface tension confined liquid cryogen cooler. 4,821,907, 4-18-89, Cl. 220-5.00A.

Castleton, Inc.: *See—*

Coelho, Philip H.; and Comerchero, Victor, 4,803,842, Cl. 62-64.000.

Castner, Bryan G., to Castner, Bryan G. Package for an expandable remote interface unit. 4,807,759, 2-28-89, Cl. 206-576.000.

Castner, John F., Jr.: *See—*

Castner, John F., Sr.; and Castner, John F., Jr., 4,888,188, Cl. 426-109.000.

Castner, John F., Sr.; and Castner, John F., Jr. Disposable food feeder package. 4,888,188, 12-19-89, Cl. 426-109.000.

Castoldi, Daniele: *See—*

Di Domenico, Roberto; Castoldi, Daniele; Spinelli, Silvano; Tofanetti, Odoardo; Tognella, Sergio; and Gandolfi, Carmelo A., 4,849,437, Cl. 514-365.000.

Castolin S.A.: *See—*

Delaplace, Philippe; and Steine, Hans-Theo, 4,794,953, Cl. 137-630.190.

Muller, Niklaus, 4,877,937, Cl. 219-121.590.

Steine, Hans-Theo, 4,806,394, Cl. 427-423.000.

Streb, Karl-Peter; Szieslo, Uwe; and Oechsle, Manfred, 4,805,836, Cl. 239-80.000.

Castonguay, Lise; Nadkarni, Sadashiv; and Jain, Mukesh, to Alcan International Limited. Cement for cathode blocks. 4,816,511, 3-28-89, Cl. 524-496.000.

Castonguay, Roger N.; Morris, Robert A.; Dziura, Richard A.; Scott, Graham A.; and DiVincenzo, Gregory T., to General Electric Company. Molded case circuit breaker actuator-accessory unit. 4,806,893, 2-21-89, Cl. 335-20.000.

Castonguay, Roger N.; and Meiners, David J., to General Electric Company. Method of assembling a molded case circuit breaker operating mechanism. 4,835,842, 6-6-89, Cl. 29-622.000.

Castonguay, Roger N.; and Meiners, David J., to General Electric Company. Molded case circuit breaker latch and operating mechanism assembly. 4,864,263, 9-5-89, Cl. 335-167.000.

Castonguay, Roger N.; Palmieri, Joseph M.; and Scott, Graham A., to General Electric Company. Molded case circuit breaker current transformer assembly. 4,884,048, 11-28-89, Cl. 335-18.000.

Castonguay, Roger N.: *See—*

Morris, Robert A.; Panus, Irenaeus S.; and Castonguay, Roger N., 4,796,154, Cl. 361-353.000.

Morris, Robert A.; Mitsch, James M.; Panus, Irenaeus S.; Yu, Yuet-Ying; and Castonguay, Roger N., 4,803,774, Cl. 29-622.000.

Morris, Robert A.; and Castonguay, Roger N., 4,827,089, Cl. 200-50.00C.

Morris, Robert A.; and Castonguay, Roger N., 4,843,359, Cl. 335-6.000.

Palmieri, Joseph M.; Castonguay, Roger N.; Arnold, David; and Morris, Robert A., 4,809,132, Cl. 361-353.000.

Castor, Trevor P., to ENG, Inc. Leak detection method and device. 4,813,275, 3-21-89, Cl. 73-49.200.

Castricum, Wilhelmus P., to Spiro America Inc. Apparatus for cutting hollow pipes. 4,823,579, 4-25-89, Cl. 72-49.000.

Castrignano, Frank: *See—*

Foote, James C., Jr.; Castrignano, Frank; and Huot, Robert D., 4,821,066, Cl. 355-14.00R.

Castrilli, Paul. Nonlinear torsion spring. 4,884,790, 12-5-89, Cl. 267-154.000.

Castro, Anthony J.; Frank, Dieter; and Madlock, Cleve, Jr., to Akzo NV. Method for making porous structures. 4,865,789, 9-12-89, Cl. 264-122.000.

Castro, Artemio; and Showell, Michael S., to Procter & Gamble Co., The. Controlled sudsing stable isotropic liquid detergent compositions. 4,798,679, 1-17-89, Cl. 252-174.150.

Castro, Bertrand; and Fehrentz, Jean, to Sanofi. Process for synthesis of alpha aklyl amino aldehydes. 4,886,914, 12-12-89, Cl. 564-343.000.

Castro, Edgar O.: *See—*

Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., 4,887,780, Cl. 244-137.200.

Castro, Felix, to Fuelock, Inc. Vehicle anti-theft device. 4,842,092, 6-27-89, Cl. 180-287.000.

Castro, Jose' M.; Straus, Elliott J.; and Shanoski, Henry, to Gencorp Inc. Method for forming an in-mold coated fiber reinforced part. 4,808,361, 2-28-89, Cl. 264-255.000.

Castro, Jose M. I., to Pescanova S.A. Process for manufacturing reconstituted squid. 4,859,478, 8-22-89, Cl. 426-272.000.

Castro, Manuel, Jr.; and Bush, Bruce. Multishot underwater survival gun. 4,821,441, 4-18-89, Cl. 42-1.140.

Castrogiovanni, Anthony: *See—*

Socci, Robert L.; Ismailer, Anatoly A.; and Castrogiovanni, Anthony, 4,832,944, Cl. 424-61.000.

Castrol Limited: *See—*

Hill, Adrian C.; and Jepson, Derek, 4,840,206, Cl. 141-349.000.

Casual Living International Inc.: *See—*

Wang, Oliver, 4,881,776, Cl. 297-379.000.

Casuso, Jose G. Multi-gas valves compact set for cookers. 4,870,993, 10-3-89, Cl. 137-883.000.

Casutt, Michael: *See—*

Poetsch, Eike; and Casutt, Michael, 4,837,402, Cl. 548-303.000.

Poetsch, Eike; and Casutt, Michael, 4,877,882, Cl. 548-303.000.

Caswell, Debra S., to Procter & Gamble Company, The. Liquid detergent containing conditioning agent and high levels of alkyl sulfate/alkyl ethoxylated sulfate. 4,857,213, 8-15-89, Cl. 252-8.750.

Caswell, Debra S., to Procter & Gamble Company, The. Conditioning agent containing amine ion-pair complexes and composiitons thereof. 4,861,502, 8-29-89, Cl. 252-8.750.

Caswell, Ty J. Funnel hole ice auger. 4,819,744, 4-11-89, Cl. 175-18.000.

Catalano, Anthony W. Method for fabricating photovoltaic device having improved short wavelength photoresponse. 4,845,043, 7-4-89, Cl. 437-4.000.

Catalano, Anthony W.: *See—*

O'Dowd, James G.; Catalano, Anthony W.; Fortmann, Charles M.; and Lee, Ora J., 4,880,664, Cl. 427-109.000.

- Catalano, Gennaro J.; and George, Larry D., to American Temporing, Inc. Polyurethane visionary laminate glass and method of manufacture. 4,822,680, 4-18-89, Cl. 428-425.600.
- Catalano, Gennaro J.; and George, Larry D., to American Temporing, Inc. Process for manufacturing architectural glass. 4,863,540, 9-5-89, Cl. 156-87.000.
- Catalano, Guy G. Golf putter with slope indicating means therein. 4,824,114, 4-25-89, Cl. 273-162.00B.
- Catalano, J. Denis. Surgical needle holder. 4,800,880, 1-31-89, Cl. 128-340.000.
- Catalano, Mike: *See—*
  - Swan, Richard; Catalano, Mike; and Feldman, Richard, 4,806,852, Cl. 324-73.00R.
- Catalo, Irenee. Suitcase for arranging golf equipment, convertible to a golf cart. 4,836,565, 6-6-89, Cl. 280-37.000.
- Catalyst and Chemicals Industries, Co., Ltd.: *See—*
  - Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.
- Catalyst Semiconductor, Inc.: *See—*
  - Hsia, Steve K.; Mahal, Pritpal S.; and Shih, Wei-Ren, 4,861,730, Cl. 437-43.000.
  - Miller, Gary L., 4,811,191, Cl. 363-127.000.
- Catalyst Technology, Inc.: *See—*
  - Sapoff, Paul C., 4,820,496, Cl. 422-197.000.
- Catalysts & Chemical Co., Ltd.: *See—*
  - Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
- Catalysts & Chemicals Industries Co., Ltd.: *See—*
  - Fukuda, Morio; Hanada, Masayuki; Inutsuka, Hideo; and Ogata, Katsuya, 4,802,840, Cl. 425-464.000.
  - Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.
  - Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.
- Catalytica, Associates: *See—*
  - Vasilevskis, Janis; Ridgway, Paul L.; and Evitt, Eric R., 4,847,421, Cl. 568-401.000.
  - Vasilevskis, Janis; De Deken, Jacques C.; Saxton, Robert J.; Wentrcek, Paul R.; Fellmann, Jere D.; and Kipnis, Lyubov S., 4,853,357, Cl. 502-165.000.
- Catalytica Inc.: *See—*
  - King, David L.; Cooper, Michael D.; and Faber, Michael A., 4,868,343, Cl. 568-697.000.
  - Newman, Stanley F.; De Deken, Jacques C.; and Cook, Michael L., 4,885,399, Cl. 568-410.000.
- Catanese, John A., to Westinghouse Electric Corp. Apparatus for and method of machining around an opening in a workpiece. 4,825,736, 5-2-89, Cl. 82-1.110.
- Catanese, John A., to Westinghouse Electric Corp. Liquid level detector. 4,852,404, 8-1-89, Cl. 73-319.000.
- Catani, Mario J., to Dur-O-Wall Inc. Veneer wall anchor system. 4,869,038, 9-26-89, Cl. 52-410.000.
- Catania, Victor M.: *See—*
  - Steiger Jr., H. M.; and Catania, Victor M., 4,854,856, Cl. 431-253.000.
- Cataudella, John. Disposable shaver. 4,800,649, 1-31-89, Cl. 30-41.000.
- Catch, John B., to Engineering Measurments Company. Protected flow meter rotor bearing. 4,886,420, 12-12-89, Cl. 416-174.000.
- Catchman, Vernon C.: *See—*
  - Broderick, Kevin; Catchman, Vernon C.; Herrington, Fox J.; Johnston, Shirley K.; Olson, Robert H.; and Stell, Donald, 4,850,946, Cl. 493-194.000.
- Catchpole, Clive: *See—*
  - Yaniv, Zvi; Catchpole, Clive; Cannella, Vincent D.; McGill, John C.; Prewarski, Mike; and Mulberger, Ronald G., 4,827,084, Cl. 178-18.000.
  - Yaniv, Zvi; and Catchpole, Clive, 4,827,085, Cl. 178-18.000.
- Cate, Grant M.; Habitzreiter, Richard K.; Lovelady, Kenneth T.; and Woolston, Mark S., to Recognition Equipment Incorporated. Letter mail address block locator system. 4,845,761, 7-4-89, Cl. 382-1.000.
- Catelli, Camillo. Plant for refining foodstuffs. 4,809,595, 3-7-89, Cl. 99-472.000.
- Catena, Americo R.: *See—*
  - Muenger, James R.; Catena, Americo R.; Stevenson, John S.; Bergin, Anthony E.; Veillon, John M.; and Becker, Michael W., 4,801,307, Cl. 48-69.000.
- Catena, Robert J.: *See—*
  - Kveglis, Albert A.; and Catena, Robert J., 4,870,139, Cl. 525-420.500.
- Caterpillar Inc.: *See—*
  - Abshire, James B.; and Fuhr, Peter L., 4,806,732, Cl. 219-124.340.
  - Abshire, James B., 4,850,712, Cl. 356-376.000.
  - Adams, Carl P.; Spivey, William J., Jr.; and Oertley, Thomas E., 4,887,872, Cl. 305-10.000.
  - Adams, Marshal; and Lechner, Jerry M., 4,847,964, Cl. 29-156.50R.
  - Alexander, George F.; Coutant, Alan R.; Fee, David M.; and Riediger, Craig W., 4,798,099, Cl. 74-473.00R.
  - Atherton, Kim W.; Clow, Charles R.; and Mawet, Patrick H., 4,806,847, Cl. 324-61.00P.
  - Avery, Bennett W.; and Engel, William K., 4,873,894, Cl. 74-785.000.
  - Bianchi, Raymond A.; Kistner, David; Oswald, Joseph; and Phelps, Elmer B., 4,852,662, Cl. 173-119.000.
  - Blake, William W.; Golan, Kenneth F.; Coutant, Alan R.; and Morris, Hugh C., 4,865,176, Cl. 192-3.630.
  - Bowman, David E.; Diekevers, Mark S.; and Renski, William J., 4,848,013, Cl. 37-142.00A.
  - Breitbarth, Warren H., 4,864,983, Cl. 123-90.610.
  - Budzich, Tadeusz, 4,798,126, Cl. 91-518.000.
  - Budzich, Tadeusz, 4,799,420, Cl. 91-529.000.
  - Cemenska, Richard A.; Schneider, Marvin P.; and Buege, Thomas J., 4,800,721, Cl. 60-393.000.
  - Cooper, Bruce C.; Erickson, Kenton L.; Green, James A.; and Nycz, David S., 4,867,119, Cl. 123-193.00P.
  - Coutant, Alan R., 4,817,770, Cl. 192-3.580.
  - Crayton, John W.; Kinas, Charles T.; and Sinn, Scott G., 4,864,2 Cl. 340-635.000.
  - Degeeter, Robert L.; and Knell, Harvey A., 4,854,813, Cl. 414-723.000.
  - Diekevers, Mark S.; and Fidler, Jerry D., 4,823,486, Cl. 37-142.00R.
  - Durand, James C., 4,858,880, Cl. 248-635.000.
  - Eftefield, Larry G.; and Phelps, Elmer B., 4,867,253, Cl. 173-124.000.
  - Fee, David M.; and Riediger, Craig W., 4,796,736, Cl. 192-4.00C.
  - Fidler, Jerry D.; Krone, John J.; and Roussin, Michael A., 4,834,461, Cl. 299-37.000.
  - Getz, Marvin G.; McFeeters, Brian D.; and Purcell, Robert J., 4,854,650, Cl. 305-10.000.
  - Grant, Robert C.; and Johnson, John L., 4,827,715, Cl. 60-283.00
  - Groezinger, John J.; and Moldenhauer, Philip E., 4,859,328, Cl. 210-232.000.
  - Gudat, Adam J., 4,852,674, Cl. 177-141.000.
  - Hardy, Gerald D.; Hoffman, John P.; and Kendrick, Larry E., 4,852,657, Cl. 172-2.000.
  - Hopkins, DeLaney C., 4,869,065, Cl. 60-444.000.
  - Jeffries, James R.; and Verheyen, Michael R., 4,858,576, Cl. 123-145.00A.
  - Knox, Lawrence D.; and Tsals, Izrail, 4,858,818, Cl. 228-164.00
  - Krause, Michael W.; and Windish, Willis E., 4,823,639, Cl. 74-360.000.
  - Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., 4,845,975, Cl. 73-11.000.
  - Kyrtsos, Christos T.; and Long, Gregory E., 4,866,419, Cl. 340-443.000.
  - Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., 4,887,454, Cl. 73-11.000.
  - Livesay, Richard E.; Purcell, Robert J.; and Maust, Blair A., 4,819,999, Cl. 305-11.000.
  - Lonn, Alan H.; and Nelson, Daniel W., 4,883,129, Cl. 172-777.00
  - Loyd, Calvin D., 4,853,049, Cl. 148-318.000.
  - Menke, Jeffery W., 4,887,938, Cl. 414-694.000.
  - Morris, Leslie C.; and Amdall, John K., 4,836,043, Cl. 74-579.00E
  - Oertley, Thomas E., 4,818,041, Cl. 305-56.000.
  - Oertley, Thomas E., 4,881,930, Cl. 474-162.000.
  - Paluska, Roy T., Jr., 4,846,009, Cl. 74-331.000.
  - Price, Robert J.; Gee, James E.; Tonsor, Andrew J.; Satzler, Ronald L.; and Stevens, Samuel B., 4,838,373, Cl. 180-9.460.
  - Purcell, Robert J.; Simmons, Gerald P.; and Farris, Robert R., 4,817,746, Cl. 180-9.100.
  - Purcell, Robert J.; and Farris, Robert R., 4,819,754, Cl. 180-9.100
  - Purcell, Robert J.; and Farris, Robert R., 4,874,052, Cl. 180-9.100
  - Purcell, Robert J.; and Farris, Robert R., 4,881,609, Cl. 180-9.500
  - Rehn, Bryce H.; Penick, Ronald J.; Esters, Daniel W.; and Blair, Harold A., 4,829,956, Cl. 123-198.0DB.
  - Rieke, Brent E., 4,883,373, Cl. 384-585.000.
  - Ryerson, Lee T., 4,802,537, Cl. 172-812.000.
  - Sartain, Stephen C.; and Chamberlain, Richard W., 4,856,622, Cl. 188-170.000.
  - Scholl, Rolland D.; Zimmer, Mike T.; and Allen, William E., 4,845,416, Cl. 318-600.000.
  - Sorrells, Giles K., 4,835,719, Cl. 364-567.000.
  - Stevens, Samuel B.; Gee, James E.; and Tonsor, Andrew J., 4,834,478, Cl. 305-21.000.
  - Styfhoorn, John, 4,798,086, Cl. 73-168.000.
  - Tonsor, Andrew J.; Nelson, David E.; Gee, James E.; and Stevens, Samuel B., 4,836,318, Cl. 180-9.500.
  - Tonsor, Andrew J., 4,881,786, Cl. 305-10.000.
- Caterpillar Industrial Inc.: *See—*
  - Baumgartner, Kenneth A.; and Pickering, William, 4,879,623, Cl. 361-33.000.
  - Blau, Andrew P.; and Masso, Joseph A., 4,807,714, Cl. 180-168.00
  - Burkholder, Gary F., 4,818,171, Cl. 414-497.000.
  - Harding, Joseph J., 4,823,901, Cl. 180-167.000.
  - Krahn, Darren L., 4,869,635, Cl. 414-274.000.
  - Melocik, Grant C., 4,804,893, Cl. 318-258.000.
  - Melocik, Grant C., 4,849,731, Cl. 340-435.000.
  - Smith, Adam J., 4,861,220, Cl. 414-495.000.
- Cates, Barbara J.: *See—*
  - Davis, James K.; and Cates, Barbara J., 4,814,222, Cl. 428-229.00
- Cates, Glenn F. Golf club alignment device and method. 4,884,8 12-5-89, Cl. 273-183.00D.
- Cates, Marion H.: *See—*
  - Castleman, Bruce W.; Cates, Marion H.; Szonntagh, Eugene L.; Walker, Rex R.; and Wilhite, W. Frank, 4,865,996, Cl. 436-161.000.
  - Sides, Gary D.; and Cates, Marion H., 4,805,441, Cl. 73-23.100.
- Cathcart, John V.; and Liu, Chain T., to United States of America, Energy. Chromium modified nickel-iron aluminide useful in sulfur bearing environments. 4,839,140, 6-13-89, Cl. 420-445.000.
- Cathcart, Martha K. Human suppressor factor. 4,849,507, 7-18-89, Cl. 530-351.000.
- Catherall, Colin L. R.; and Fuller, Martin J., to Thorn EMI plc. Infrared phosphors. 4,806,825, 2-21-89, Cl. 313-486.000.
- Catherall, Roger: *See—*
  - Forrest, John; Catherall, Roger; Stewart, William; and Pounds, Randall J., 4,807,708, Cl. 175-45.000.
- Cathex Tray Corporation: *See—*
  - Dingeman, David L.; and Hendrickson, Christine E., 4,888,005, Cl. 604-326.000.
- Cathey, David A.; Freeman, John C.; Dale, James; Crane, William J.; Powell, Eric A.; and Musser, Jeffrey V., to Micron Technology, Inc. Temperature controlled anode for plasma dry etchers for etching semiconductor. 4,859,304, 8-22-89, Cl. 204-298.000.
- Cathey, LeConte: *See—*
  - McLaurin, A. Porter; Cathey, LeConte; and Jones, Edwin R., Jr., 4,807,024, Cl. 358-88.000.
- Cathiard, Jean-Pierre, to Pomagalski SA. Bicable aerial transport system operating on two carrier and haulage ropes running on off-set pulleys. 4,833,997, 5-30-89, Cl. 104-28.000.
- Cathignol, Dominique; and Lacruche, Bernard. Method and apparatus for detecting and correcting the positions of electrodes, in particular in shock wave generator apparatus using a feeler finger, e.g. the rod of an actuator, movable to the focus. 4,868,791, 9-19-89, Cl. 367-13.000.
- Cathignol, Dominique: *See—*
  - Lacruche, Bernard; Mestas, Jean-Louis; and Cathignol, Dominique, 4,866,330, Cl. 313-146.000.
- Catlin, Gary M., to Daisy Systems Corporation. Digital computer for implementing event driven simulation algorithm. 4,814,983, 3-21-89, Cl. 364-200.000.
- Catlin, Gary M., to Daisy Systems Corporation. Multiple processor accelerator for logic simulation. 4,872,125, 10-3-89, Cl. 364-578.000.
- Catlin, Gary M., to Daisy Systems Corporation. Multiple processor accelerator for logic simulation. 4,873,656, 10-10-89, Cl. 364-578.000.
- Catlow, Ronald, to Rolls-Royce plc. Turbine. 4,826,403, 5-2-89, Cl. 416-129.000.
- Catlow, Ronald, to Rolls-Royce plc. Method of manufacture of an axial flow compressor stator assembly. 4,850,090, 7-25-89, Cl. 29-156.80R.
- Cato, Robert T.: *See—*
  - Broockman, Eric C.; Cato, Robert T.; Gregory, William D., Jr.; and Laurer, George J., 4,800,256, Cl. 235-467.000.
- Caton, Dennis W., to Penford Products Co. Starch hydrolyzate product and method for producing same. 4,810,307, 3-7-89, Cl. 127-63.000.
- Catranis, John: *See—*
  - Ruxton, James; and Catranis, John, 4,862,120, Cl. 333-34.000.
- Catros, Jean Yves; and Malo-Renault, Francois, to Thomson-CGR. Method of bridging between contour elements in an image. 4,843,630, 6-27-89, Cl. 382-6.000.
- Catsimpoolas, Nicholas; Kamarei, Ahmad R.; Griffith, Ann L.; and Sinn, Robert S., to Angio-Medical Corporation. Lipids from omentum and methods for cosmetic use. 4,879,114, 11-7-89, Cl. 424-95.000.
- Catsimpoolas, Nicholas; McCluer, Robert; Sinn, Robert S.; and Evans, James, to Angio-Medical Corporation; and Boston University, Trustees of. Method for enhancing angiogenesis with lipid containing molecules. 4,888,324, 12-19-89, Cl. 514-25.000.
- Catta, David, to 221241 Alberta Ltd. Console structure. 4,836,625, 6-6-89, Cl. 312-257.0SK.
- Cattanach, James B., to Imperial Chemical Industries PLC. Shaping of syntactic foam. 4,876,055, 10-24-89, Cl. 264-512.000.
- Cattanach, John F., to Chattan Nominees Pty, Ltd. Valved vaginal collection device. 4,848,363, 7-18-89, Cl. 128-834.000.
- Cattaneo, Giacomo: *See—*
  - Bisson, Flavio; Cattaneo, Giacomo; and Peiretti, Domenico, 4,819,573, Cl. 112-454.000.
- Cattani, Augusto, to Officine Augusto Cattani & C. S.p.A. Clamp fitting, in particular for pipes and tube. 4,802,646, 2-7-89, Cl. 248-316.500.
- Cattani, Augusto, to Officine Augusto Cattani & C. S.P.A.; and Daicei Chemical Industries Ltd. Work rest, as used in particular by dental technicians and goldsmiths. 4,824,083, 4-25-89, Cl. 269-15.000.
- Cattani, Luciano: *See—*
  - Curti, Carlo; and Cattani, Luciano, 4,819,449, Cl. 62-345.000.
- Catterfeld, Robert J.: *See—*
  - Haraveth, Garry R.; Catterfeld, Robert J.; and Trasen, Benjamin, 4,880,536, Cl. 210-232.000.
- Cattini, Flavio, to FK Arna S.r l. Carriage with turret support for bolts of fabric for spreading on the bedplate of automatic spreaders. 4,836,524, 6-6-89, Cl. 270-31.000.
- Cattrall, Thomas J.; and Lord, Richard E. Lumber cutting system. 4,839,816, 6-13-89, Cl. 364-474.090.
- Catwin Industrial Corp.: *See—*
  - Yeh, Ching H., 4,813,250, Cl. 70-104.000.
- Caude, Marie-Celine; Morel, Didier; and Pulicani, Jean-Pierre, to Rhone-Poulenc Sante. Electrochemical process for recovering metallic rhodium from aqueous solutions of spent catalysts. 4,795,538, 1-3-89, Cl. 204-111.000.
- Caudel, Edward N.: *See—*
  - Marshall, Steven P.; Caudel, Edward N.; Stone, Michele; and McNeely, Margaret D., 4,868,784, Cl. 364-900.000.
- Caudill, Charles R. Tobacco leaf cleaning machine. 4,809,716, 3-7-89, Cl. 131-325.000.
- Caudill, Charles R. Tobacco leaf cleaning device. 4,817,639, 4-4-89, Cl. 131-325.000.
- Caudill, Garland E.: *See—*
  - Doering, Charles W.; Caudill, Garland E.; Johnson, Henry L.; and Thomas, Bruce A., 4,836,610, Cl. 298-6.000.
- Caughey, Robert A., to New Hampshire Flakeboard, Inc. Dryer for combustible chip-like material. 4,888,885, 12-26-89, Cl. 34-33.000.
- Caughey, Thomas K.: *See—*
  - Masri, Sami F.; Dehghanyar, Tejav J.; and Caughey, Thomas K., 4,841,685, Cl. 52-1.000.
- Cauley, William J.; and Dudley, Cheatham T. Electric receptacle. 4,822,290, 4-18-89, Cl. 439-137.000.
- Caulfield, Hubert E. Seawall extension apparatus. 4,842,442, 6-27-89, Cl. 405-31.000.
- Caulier, Paul W.; and Johenning, Leon C., II, to Genicom Corporation. Dot matrix printer/module using print wires having different lenth but equal mass. 4,867,583, 9-19-89, Cl. 400-124.000.
- Cauquelin, Claude; and Poitrenaud, Pierre, to Framatome. Device for locking a guide ring on a plate having an orifice and its use for a guide tube of a nuclear reactor. 4,842,815, 6-27-89, Cl. 376-463.000.
- Cauquil, Gerard: *See—*
  - Chazot, Henri; Cauquil, Gerard; and Muller, Jean-Paul, 4,854,355, Cl. 141-130.000.
- Causey, David H.: *See—*
  - Lo, Young S.; Shamblee, Dwight A.; Causey, David H.; and Mays, Richard P., 4,870,189, Cl. 548-954.000.
- Causey, James D., III; Schloss, Harold C.; and Snell, Jeffery D., to Siemens-Pacesetter, Inc. Interactive programming and diagnostic system for use with implantable pacemaker. 4,809,697, 3-7-89, Cl. 128-419.0PT.
- Causley, Gary C.; and Peterson, Mary J., to Tektronix, Inc. Ink jet printer ink composition and process for producing same. 4,818,285, 4-4-89, Cl. 106-22.000.
- Causton, Peter: *See—*
  - Dust, Richard A.; and Causton, Peter, 4,889,884, Cl. 524-314.000.
- Cauwet, Daniele: *See—*
  - Grollier, Jean F.; Fiquet, Claire; Fourcadier, Chantal; Dubief, Claude; Mondet, Jean; and Cauwet, Daniele, 4,842,849, Cl. 424-70.000.
  - Grollier, Jean F.; Dubief, Claude; and Cauwet, Daniele, 4,871,530, Cl. 424-47.000.
- Cauzin Systems, Incorporated: *See—*
  - Glaberson, John; and Santulli, Scott, 4,886,957, Cl. 235-482.000.
- Cava, Robert J.; and Sunshine, Steven A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Bismuth-lead-strontium-calcium-cuprate superconductors. 4,880,771, 11-14-89, Cl. 505-1.000.
- Cavaca, Roger, to Bucci, Andrew A., a part interest. Vehicle repair apparatus. 4,802,358, 2-7-89, Cl. 72-308.000.
- Cavada, David R.: *See—*
  - Ezekoye, L. Ike; and Cavada, David R., 4,836,974, Cl. 376-258.000.
- Cavada, Luis O.: *See—*
  - Martone, Louis C.; Burkholder, Robert F.; Asbjornsen, Lars F.; and Cavada, Luis O., 4,833,978, Cl. 99-280.000.
- Cavaggioni, Andrea: *See—*
  - Sorbi, Robert T.; Caretta, Antonio; Cavaggioni, Andrea; and Marchesi Gastaldi, Liliana, 4,797,480, Cl. 536-27.000.
- Cavagna, Elio, to Elio Cavagna S.R.L. Device for the alternate positioning of the blade edge in a cutting machine. 4,823,665, 4-25-89, Cl. 83-529.000.
- Cavagna, Elio, to Elio Cavagna S.R.L. Apparatus for cutting and/or creasing of laminar sheet material. 4,824,428, 4-25-89, Cl. 493-370.000.
- Cavagna, Elio. Device for the selective or simultaneous traverse of the cutting members in a machine for the chopping and/or cutting of material in sheet. 4,836,458, 6-6-89, Cl. 241-101.200.
- Cavalcante, Vittorio, to ASKOLL S.r.l. Filter device, particularly for aquariums. 4,820,410, 4-11-89, Cl. 210-169.000.
- Cavalcante, Vittorio: *See—*
  - Marioni, Elio; and Cavalcante, Vittorio, 4,861,240, Cl. 417-423.300.
- Cavalier, Albert R.: *See—*
  - Companion, John A.; Heyman, Joseph S.; Mineo, Beth A.; Cavalier, Albert R.; and Blalock, Travis N., 4,852,578, Cl. 128-661.030.
- Cavalier, Lenest W.: *See—*
  - McGee, Danny C.; and Cavalier, Lenest W., 4,830,339, Cl. 254-235.000.
- Cavaliere, Gerald F.: *See—*
  - Meyer, Edmond G.; Meyer, Lee G.; and Cavaliere, Gerald F., 4,832,831, Cl. 208-431.000.
  - Meyer, Edmond G.; Meyer, Lee G.; and Cavaliere, Gerald F., 4,842,615, Cl. 44-51.000.
- Cavalieri, Dominic A. Turbine blade positioning fixture. 4,829,720, 5-16-89, Cl. 51-217.00R.
- Cavalieri, Michel. Security unit for a hanging stage scaffolding. 4,821,842, 4-18-89, Cl. 182-19.000.
- Cavalla, David J.: *See—*
  - Oxford, Alexander W.; and Cavalla, David J., 4,808,581, Cl. 514-212.000.
- Cavallaro, Joseph L.; and Kelly, Patrick J., Jr., to Bird-Johnson Company. Inboard servo for marine controllable pitch propellers. 4,872,811, 10-10-89, Cl. 416-162.000.
- Cavallaro, Leonardo: *See—*
  - Yampolsky, Jack S.; Cavallaro, Leonardo; Paulovich, Kenneth F.; and Schleicher, Robert W., 4,863,675, Cl. 376-298.000.
- Cavallerano, Alan P.: *See—*
  - Tsinberg, Mikhail; Cavallerano, Alan P.; and Basile, Carlo, 4,847,682, Cl. 358-31.000.

Cavalleri, Bruno; Turconi, Marco; and Tamborini, Giovanni, to Gruppo Lepetit S.p.A. 2'-Substituted-4-deoxy-thiazolo(5,4-c)-rifamycin SV derivatives. 4,880,789, 11-14-89, Cl. 514-183.000.

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  Rangoni, Marco; Rangoni, Roberto; Cavalli, Dante; and Cavalli, Walter, 4,809,693, Cl. 128-207.160.

Cavalli, Luigi; Cucchetto, Mario; Petrini, Guido; and Viola, Augusto, to Ausimont S.p.A. Catalyst suitable for the oxidation of methyl alcohol to formaldehyde and method for preparing the catalyst. 4,829,042, 5-9-89, Cl. 2-316.000.

Cavalli, Nicholas J., to Finic, B. V. Underground leachate and pollutant drainage barrier system. 4,863,312, 9-5-89, Cl. 405-128.000.

Cavalli, Walter: *See—*
  Rangoni, Marco; Rangoni, Roberto; Cavalli, Dante; and Cavalli, Walter, 4,809,693, Cl. 128-207.160.

Cavallin, Riccardo, to Ferrero oHG m.b.H. Sweets and process for their manufacture. 4,855,155, 8-8-89, Cl. 426-564.000.

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  Tubaro, Ezio; and Cavallo, Giovanni, 4,831,021, Cl. 514-54.000.

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  Aurouet, Claude; Blumenfeld, Henry; Bourdinaud, Michel; Calvet, Jean; Cavan, Jean-Claude; Meyer, Joao; and Thevenin, Jean-Claude, 4,812,013, Cl. 350-96.290.

Cavanagh, Kenneth M., to Marshall & Williams Company. Force indicator for casting machines. 4,810,179, 3-7-89, Cl. 425-141.000.

Cavanagh, Patrick E., to Maghemite Inc. Starter procedure for permanent magnet motors. 4,808,893, 2-28-89, Cl. 318-254.000.

Cavanagh, Robert D.; and Nelson, Paul E., to United States of America, Navy. At-sea recovery handling system. 4,869,149, 9-26-89, Cl. 89-1.580.

Cavanaugh, John F. Air deflector for securing b top. 4,881,484, 11-21-89, Cl. 114-361.000.

Cavaness, Jack D. Color changeable guitar body. 4,815,355, 3-28-89, Cl. 84-291.000.

Cavani, Fabrizio: *See—*
  Riva, Alfredo; and Cavani, Fabrizio, 4,849,391, Cl. 502-202.000.
  Riva, Alfredo; and Cavani, Fabrizio, 4,870,195, Cl. 549-248.000.

Cavanna S.p.A.: *See—*
  Francioni, Renzo, 4,862,673, Cl. 53-373.000.

Cavanna, Vicente: *See—*
  Crandall, Douglas; Cavanna, Vicente; Shankar, Pradip; and Nordby, Rasmus, 4,873,703, Cl. 375-118.000.

Cavanna, Vicente V., to Hewlett-Packard Company. Optical transmitter driver with current peaking. 4,818,896, 4-4-89, Cl. 307-362.000.

Cavataio, Frank: *See—*
  Coleman, Patrick W.; Bell, Craig J.; and Cavataio, Frank, 4,834,087, Cl. 128-207.140.

Cavaterra, Enrico; and Bossi, Alessandro, to Ausimont S.p.A. Method for preparing a catalyst for the synthesis of 1,2-dichloroethane. 4,871,707, 10-3-89, Cl. 502-225.000.

Cavazos, Guillermo. Method and apparatus for mold cooling. 4,824,461, 4-25-89, Cl. 65-83.000.

Cavazos, Raul V., Jr.: *See—*
  Edminister, Robert E.; and Cavazos, Raul V., Jr., 4,858,530, Cl. 102-208.000.

Cavazza, Claudio; De Witt, Paolo; and Tinti, Maria O., to Sigma-Tau Industrie Farmaceutiche Riunite S.p.A. Novel class of acyl-derivatives of carnitine, process for preparing same and therapeutic use thereof. 4,859,698, 8-22-89, Cl. 514-445.000.

Cavazza, Paolo; and Fiorentini, Giulio, to Avantgarde S.p.A. N-alkylamides of D(+)-carnitine having antibacterial activity, process for their preparation and pharmaceutical and cosmetic compositions containing same. 4,871,773, 10-3-89, Cl. 514-626.000.

Cave, James B. Muzzle brake with improved stabilization and blast control. 4,879,942, 11-14-89, Cl. 89-14.300.

Cavender, Keith D.; Derderian, Edmond J.; Jarrett, Eugene L.; and Nielsen, Kenneth A., to Union Carbide Chemicals and Plastics Company Inc. Mold release coating process and apparatus using a supercritical fluid. 4,882,107, 11-21-89, Cl. 264-51.000.

Caveney, Jack E.; and Richardson, Mark B., to Panduit Corp. Single cable tie loading gate assembly for an automatic cable tie installation tool. 4,862,928, 9-5-89, Cl. 140-93.200.

Caveney, Jack E., to Panduit Corp. One-piece cable tie. 4,866,816, 9-19-89, Cl. 24-16.0PB.

Caveny, Jack E.; Bulanda, John J.; Fischer, Richard L.; Stroede, Andrew J.; and Wiencek, Donald C., to Panduit Corp. Communication box assembly. 4,875,881, 10-24-89, Cl. 439-535.000.

Cavero, Leonard P., to General Electric Company. Apparatus for providing distance protection and distance measurement for a high voltage transmission line. 4,868,704, 9-19-89, Cl. 361-80.000.

Cavey, Marie-Therese: *See—*
  Shroot, Braham; Watts, Oliver; Gazith, Joseph; and Cavey, Marie-Therese, 4,880,941, Cl. 549-57.000.

Cavezzan, Jacques; Frances, Jean-Marc; and Millet, Claude, to Rhone-Poulenc Chimie. Tin monochelate catalysis of organopolysiloxane compositions. 4,873,305, 10-10-89, Cl. 528-18.000.

Cavicchi, Umberto. Device serving to generate infrared radiation effective on cutaneous and on deep-seated tissue of the human body. 4,816,689, 3-28-89, Cl. 250-493.100.

Cavicchia, Ugo: *See—*
  Chiapparelli, Marco; and Cavicchia, Ugo, 4,870,057, Cl. 514-23.000.

Cavicchioli, Silvia: *See—*
  Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,810,819, Cl. 562-56.000.
  Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,855,464, Cl. 549-450.000.
  Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,888,433, Cl. 549-450.000.

Cavill, Barry R.: *See—*
  Malkemes, Charles D.; and Cavill, Barry R., 4,844,635, Cl. 400-124.000.

Cavin, Dennis: *See—*
  Little, James A.; and Cavin, Dennis, 4,853,533, Cl. 250-223.00R.

Cavin, Michael G.; Binford, Robert N.; and Halphide, Kenneth, to Boeing Company, The. Method and apparatus for forming an elongated composite part. 4,816,102, 3-28-89, Cl. 156-222.000.

Cavins Corporation, The: *See—*
  Burroughs, Thomas C., 4,815,538, Cl. 166-312.000.

Cavitt, Michael B., to Dow Chemical Company, The. Thermoplastic epoxy resin and coatings prepared therefrom. 4,797,432, 1-10-89, Cl. 523-172.000.

Cavitt, Michael B.; and Duncan, David J., to Dow Chemical Company, The. Flexible thermoplastic epoxy resin and coatings prepared therefrom. 4,837,248, 6-6-89, Cl. 523-172.000.

Cavitt, Michael B., to Dow Chemical Company, The. Thermoplastic epoxy resin and coatings prepared therefrom. 4,845,135, 7-4-89, Cl. 523-172.000.

Cavitt, Michael B., to Dow Chemical Company, The. Monocarboxylic acid derivatives of aromatic based epoxy resins. 4,855,366, 8-8-89, Cl. 525-533.000.

Cavitt, Michael B., to Dow Chemical Company, The. Monocarboxylic acid derivatives of aliphatic based epoxy resins. 4,855,385, 8-8-89, Cl. 528-97.000.

Cavitt, Michael B.; and Duncan, David J., to Dow Chemical Company, The. Flexible thermoplastic epoxy resin and coatings prepared therefrom. 4,876,295, 10-24-89, Cl. 523-172.000.

Cavnar, Jeffery W.: *See—*
  Woodard, Harry L.; Herring, Billy W.; Willis, Curtis O.; and Cavnar, Jeffery W., 4,864,734, Cl. 33-428.000.

Cavon, Joseph F. Non-enveloped gel prosthesis. 4,840,628, 6-20-89, Cl. 623-8.000.

Cawelti, Dale W.: *See—*
  Hill, William H.; and Cawelti, Dale W., 4,858,819, Cl. 228-179.000.

Cawiezel, Kay E., to Dow Chemical Company, The. Flocculation of coal particles and coal slimes. 4,816,166, 3-28-89, Cl. 210-727.000.

Cawley, Keith, to Lineal Thermotech Limited. Conveyors. 4,858,75 8-22-89, Cl. 198-778.000.

Cawley, Leo P.; Bryant, Steven A.; and Minard, Barbara J. On-line plasma modification method. 4,839,058, 6-13-89, Cl. 210-670.000.

Cawley, Patrick W.: *See—*
  Mason, Jeffery T.; Cawley, Patrick W.; and Mason, Bradley R., 4,850,877, Cl. 434-274.000.

Cawley, Robin A.; and Keller, Paul R. N., to Quantel Limited. Video wipe processing apparatus. 4,855,834, 8-8-89, Cl. 358-183.000.

Cawley, Scott A.; and Vidler, Malcolm E., to Thiess Contractors Pty Ltd. Waste bin lid. 4,878,596, 11-7-89, Cl. 220-331.000.

Cawley, William E.; and Mercer, Basil W., to Bio Tech, Inc. Water recycle system. 4,812,237, 3-14-89, Cl. 210-605.000.

Cawlfield, David W.; Bolick, Roger E., II; and Mabesoone, Joan A., to Olin Corporation. Process for producing anhydrous alkali metal hydrosulfites. 4,810,483, 3-7-89, Cl. 423-512.00R.

Cawlfield, David W., to Olin Corporation. Sodium hydrosulfite electrolytic cell process control system. 4,836,903, 6-6-89, Cl. 204-228.000.

Cawlfield, David W., to Olin Corporation. Sodium hydrosulfite electrolytic cell process control system. 4,857,158, 8-15-89, Cl. 204-92.000.

Cawood, Charles D.: *See—*
  MacAnally, Richard B.; and Cawood, Charles D., 4,846,154, Cl. 128-6.000.

Cawthorne, Chris E.: *See—*
  Minikus, James C.; and Cawthorne, Chris E., 4,832,139, Cl. 175-374.000.

Cawthorne, Christopher D., to STC PLC. Signal processing. 4,876,4 10-24-89, Cl. 342-383.000.

Cawthorne, Michael A., to Beecham Group p.l.c. Novel treatment 4,847,280, 7-11-89, Cl. 514-392.000.

Cay, Norman S.; and Bowers, Gerald M., to Motion Manufacturing Inc. Automatic wafer loading method and apparatus. 4,806,0 2-21-89, Cl. 414-225.000.

Caya, Arthur J.; and Beck, Paul A., to Raytheon Company. High voltage pulse generating apparatus. 4,831,280, 5-16-89, Cl. 307-265.000.

Cayley, Michael P.: *See—*
  Keith, Malcolm E.; and Cayley, Michael P., 4,794,740, Cl. 51-273.000.
  Keith, Malcolm E.; and Cayley, Michael P., 4,805,353, Cl. 51-273.000.
  Keith, Malcolm E.; and Cayley, Michael P., 4,829,634, Cl. 17-24.000.

Cayot, Jean-Francois, to Lucas Industries Public Limited Company. Fuel injection pump. 4,831,991, 5-23-89, Cl. 123-516.000.

Cazares, Albert; and Gibson, Holland R., Jr. Basketball gripping glove. 4,881,275, 11-21-89, Cl. 2-161.00A.

Cazares, Arturo S., to Quimica Organica De Mexico, S.A. De C.Y. Purification of pentachloronitrobenzene by distillation. 4,842,696, 6-27-89, Cl. 203-49.000.

Cazaux, Yvon, to Thomson-Csf. Photosensor with frame transfer structure and its use in an image sensor with reduced smearing effect. 4,862,274, 8-29-89, Cl. 358-213.240.

Cazaux, Yvon; Thenoz, Yves; Herault, Didier; and Blanchard, Pierre, to Thomson-CSF. Charge-coupled device with lowering of transfer potential at output and fabrication method thereof. 4,873,562, 10-10-89, Cl. 357-24.000.

Cazaux, Yvon; Herault, Didier; Thenoz, Yves; and Blanchard, Pierre, to Thomson-CSF. Charge transfer memory and fabrication method thereof. 4,878,103, 10-31-89, Cl. 357-24.000.

Cazaux, Yvon: *See—*
  Berger, Jean L.; Brissot, Louis; and Cazaux, Yvon, 4,819,067, Cl. 357-24.000.
  Boucharlat, Gilles; Cazaux, Yvon; and Chabbal, Jean-Joseph, 4,819,072, Cl. 358-213.290.

Cazers, Alexander R.; and Koshy, K. Thomas, to Upjohn Company, The. Zinc ceftiofur complexes. 4,877,782, 10-31-89, Cl. 514-186.000.

Cazort, John G., III: *See—*
  Islava, Steven T.; and Cazort, John G., III, 4,867,275, Cl. 182-198.000.

Cazzarolli, Gianmaurizio: *See—*
  Benedetti, Paolo; Mazzetto, Maurizio; and Cazzarolli, Gianmaurizio, 4,851,194, Cl. 422-28.000.

Cazzolla, John J., Jr.: *See—*
  Crouse, Richard S.; Boudreaux, Randall P.; and Cazzolla, John J., Jr., 4,831,517, Cl. 364-200.000.

Cazzulani, Pietro: *See—*
  Leonardi, Amedeo; Pennini, Renzo; Cazzulani, Pietro; and Nardi, Dante, 4,806,534, Cl. 514-233.500.

CBC Industries, Inc.: *See—*
  Tsui, Gary; and Heimbigner, Thomas, 4,804,300, Cl. 408-56.000.
  Tsui, Gary; and Heimbigner, Thomas, 4,841,817, Cl. 76-101.00R.

CBD Corporation: *See—*
  Kasha, Walter J.; and Burnison, Chantal S., 4,855,322, Cl. 514-546.000.

CBI Research Corporation: *See—*
  Knodel, Bryan D., 4,838,039, Cl. 62-330.000.
  Marvin, Jack C.; and Shepherd, Benjamin G., 4,856,662, Cl. 212-176.000.
  Pawski, Rolf P., 4,878,329, Cl. 52-245.000.

CBS Engineering, Inc.: *See—*
  Carruba, Samuel C., 4,818,145, Cl. 405-203.000.
  Carruba, Samuel C., 4,842,446, Cl. 405-227.000.

CBS Explosives Pty Limited: *See—*
  Waldock, Kevin H.; and Wasson, Daniel A., 4,875,950, Cl. 149-21.000.

CCA, Inc.: *See—*
  Williams, Leslie P., 4,828,038, Cl. 169-15.000.

CCL Industries Inc.: *See—*
  Nickason, Barry F.; and DiGirolamo, Orazio, 4,872,491, Cl. 141-20.000.

CCM S.r.l.: *See—*
  Crispoldi, Antonio; Moriconi, Andrea; and Chiappafreddo, Mario, 4,874,595, Cl. 423-397.000.

CD Medical Inc.: *See—*
  Mills, Gary N.; and Willock, Charles B., 4,812,239, Cl. 210-647.000.
  Mills, Gary N.; Peterson, Bruce A.; and Preston, William G., Jr., 4,821,769, Cl. 137-554.000.

CDC Partners: *See—*
  Purcell, John R.; and Sarwinski, Raymond E., 4,866,943, Cl. 62-6.000.

CDI Technologies, Inc.: *See—*
  Falk, Edward K., 4,888,713, Cl. 364-522.000.

CDK Corporation: *See—*
  Suzuki, Shigeaki; and Nozaki, Tatsuya, 4,800,254, Cl. 235-380.000.

Cea, Gary L., to Phipps, Richard Bryan. Method of making a three dimensional composite display card. 4,823,489, 4-25-89, Cl. 40-124.100.

Cearley, James E.; Salmon, David A.; and Van Diemen, Paul, to General Electric Company. Hafnium control rod for nuclear reactors. 4,882,123, 11-21-89, Cl. 376-333.000.

Cearley, James E.: *See—*
  Charnley, James E.; Cearley, James E.; Dixon, Robert C.; Izzo, Kenneth R.; and Aiello, Louis L., 4,853,176, Cl. 376-333.000.

Cearley, Thomas W.: *See—*
  Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gonding, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.; Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.

Cebal: *See—*
  Jupin, Alain; and Schneider, Bernard, 4,807,784, Cl. 222-207.000.
  Jupin, Alain; and Schneider, Bernard, 4,809,887, Cl. 222-207.000.

Cebalo, Tony; and Buntrock, Robert E. Thiadiazole compounds and methods of use. 4,876,044, 10-24-89, Cl. 71-90.000.

Cebollero, Carlos G. Spring mechanism for the hinge of a motor-vehicle sun visor. 4,841,599, 6-27-89, Cl. 16-297.000.

Cebora S.p.A.: *See—*
  Dallavalle, Silvano; and Ansaloni, Raffaele, 4,814,577, Cl. 219-121.570.

Cebula, Crispin R., to Sterling Drug Inc. Improvement in the preparation of intermediates for quinoline antibacterial agents. 4,868,305, 9-19-89, Cl. 546-156.000.

CEC Electrical Manufacturing (Int'l) Co. Ltd.: *See—*
  Chau, Kwok Y., 4,808,071, Cl. 416-5.000.

Ceca S.A.: *See—*
  Fritsch, Georges, 4,859,216, Cl. 55-28.000.
  Vandermeersch, Jean; and Durand, Guy, 4,857,584, Cl. 524-791.000.

Ceccarelli, Christopher: *See—*
  Garg, Diwaker; Klucher, Beth A.; Dyer, Paul N.; Kidd, Richard W.; and Ceccarelli, Christopher, 4,874,642, Cl. 427-249.000.

Ceccarelli, Pietro, to Olivetti Synthesis, S.p.A. Support for writing desks. 4,836,481, 6-6-89, Cl. 248-188.100.

Cecchellero, Sergio; and Salvatore, Daniele, to Italtel Tecnomeccanica S.p.A. Method and apparatus for soldering a platelike body. 4,835,358, 5-30-89, Cl. 219-107.000.

Ceccherini, Gianni: *See—*
  Cinel, Luciano; Cortiana, Giorgio; Freschie, Filippo; Ceccherini, Gianni; and Cocchi, Vittorio, 4,844,132, Cl. 139-449.000.

Ceccherini, Massimo; and Dondoli, Silvio, to Officine Galileo SpA. Lubrication circuit of rotary vacuum pumps. 4,844,702, 7-4-89, Cl. 417-281.000.

Cecchi, Delbert R.; Kim, Hyung S.; Mitby, John S.; Swart, David P.; Stanisic, Balsha R.; and Wu, Philip T., to International Business Machines Corporation. CMOS to GPI interface circuit. 4,866,308, 9-12-89, Cl. 307-475.000.

Cecchi, Marino; and DeVolpi, Dean, to Suncom, Inc. Joystick controller. 4,864,272, 9-5-89, Cl. 338-128.000.

Cecchini, Douglas J.: *See—*
  Giese, Roger W.; Warden, Beverly; Kariman, Allam; Ehrat, Markus; Cecchini, Douglas J.; and Sentissi, Abdellah, 4,801,726, Cl. 556-419.000.

Cecco, Valentino S.; McIlquham, Richard; and Sharp, F. Leonard, to Canada, Atomic Energy of, Limited. Circumferentially compensating eddy current probe with alternately polarized transmit coils and receiver coils. 4,808,924, 2-28-89, Cl. 324-220.000.

Cecco, Valentino S.; McIlquham, Richard; and Sharp, F. Leonard, to Canada, Atomic Energy of, Limited. Circumferentially compensating eddy current probe with alternately polarized receiver coil. 4,808,927, 2-28-89, Cl. 324-220.000.

Cecco, Valentino S.; and Carter, Jon R., to Atomic Energy of Canada Limited. Ferromagnetic eddy current probe having transmit and receive coil assemblies. 4,855,676, 8-8-89, Cl. 324-220.000.

Cecconi, Angelo. Apparatus and method for the mixing and diffusion of warm and cold air for dissolving fog. 4,836,086, 6-6-89, Cl. 98-1.000.

Cecere, Andrew P.: *See—*
  Milligan, William D.; and Cecere, Andrew P., 4,882,819, Cl. 26-18.600.

Cecil, Dimitrios G. Resistance spot welding gun and transformer assembly. 4,861,959, 8-29-89, Cl. 219-89.000.

Cecil & Hume Associates, Inc.: *See—*
  Miller, John H.; and Moore, Peter C., 4,811,144, Cl. 360-106.000.

Cecil, James B.: *See—*
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Ceco Filters, Inc.: *See—*
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Cedar Surgical, Inc.: *See—*
  Dickhudt, Eugene A.; and Ray, Charles D., 4,824,089, Cl. 269-328.000.
  Ray, Charles D., 4,800,875, Cl. 128-92.00V.
  Ray, Charles D., 4,805,599, Cl. 128-2.000.

Cedarapids, Inc.: *See—*
  Musil, Joseph E., 4,801,218, Cl. 404-84.000.

Cedars Sinai Medical Center: *See—*
  Rubinstein, Alan, 4,845,074, Cl. 514-2.000.

Cedergreen, Steven D., to Tempress Incorporated. Hatch with releasable hinge assembly. 4,846,089, 7-11-89, Cl. 114-201.00R.

Cederlind, Gregory: *See—*
  Osterhout, Ralph; Kash, Richard; Cederlind, Gregory; and Gleason, Greta L., 4,794,803, Cl. 73-865.100.

Cedrone, Nicholas J., to Daymarc Corporation. Vacuum pick and place mechanism for integrated circuit test handler. 4,801,234, 1-31-89, Cl. 414-224.000.

Cedrone, Nicholas J., to Daymarc Corporation. Contactor assembly for testing integrated circuits. 4,866,374, 9-12-89, Cl. 324-158.00F.

Ced's, Inc.: *See—*
  Csaszar, Gabor, 4,848,513, Cl. 181-265.000.

Ceelen, Dietrich: *See—*
  Schemenau, Wolfgang; Bennert, Jurgen; and Ceelen, Dietrich, 4,845,942, Cl. 60-39.120.

Ceelen, Theodorus M.; and Jeromin, Lothar, to Xerox Corporation. Liquid control assembly. 4,801,971, 1-31-89, Cl. 355-10.000.

CEF Industries, Inc.: *See—*
  Nelson, Neil M.; Sponzilli, William A.; and Lott, Quitman W., 4,854,120, Cl. 60-39.020.

Cefin S.p.A.: *See—*
  Pazzaglia, Luigi, 4,830,094, Cl. 165-2.000.

Cegedur Societe de Transformation de l'Aluminium Pechiney: *See—*
  Baril, Jacques; Re, Angel; Vannier, Gerard; and Saugier, Yves, 4,826,347, Cl. 403-282.000.
  Boutin, Francois-Regis; and Raynaud, Guy-Michel, 4,816,088, Cl. 148-11.50A.

Charbonnier, Jean; and Goliard, Francois, 4,889,177, Cl. 164-97.000.
Constant, Didier; and Gutmann, Gilbert, 4,814,022, Cl. 148-2.000.
Dubost, Bruno, 4,804,423, Cl. 148-437.000.
Dubost, Bruno, 4,840,683, Cl. 148-12.70A.
Meyer, Jean-Luc, 4,848,441, Cl. 164-466.000.
Teirlinck, Didier; and Gagniere, Jacques, 4,855,107, Cl. 420-546.000.
Teirlinck, Didier, 4,872,921, Cl. 148-2.000.
Vives, Charles; Forest, Bernard; and Riquet, Jean-Pierre, 4,807,694, Cl. 164-466.000.
Cegedur Societe de Transformation de l'Aluminum Pechiney: *See—*
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Cegelec Industrie Inc.: *See—*
Jeanjean, Robert; Demissy, Daniel; and Landry, Michel, 4,829,149, Cl. 200-148.00E.
Ceglio, Natale M.; Stearns, Daniel S.; Hawryluk, Andrew M.; and Barbee, Troy W., Jr., to United States of America, Energy. X-ray beamsplitter. 4,870,648, 9-26-89, Cl. 372-5.000.
Cel Systems Corporation: *See—*
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Celada-Salmon, Juan, to Hylsa, S.A. De C.V. Graphite electrode with internal cooling for electric arc furnaces. 4,853,942, 8-1-89, Cl. 373-91.000.
Celamerck GmbH & Co.: *See—*
Vite, Jean Pierre, 4,839,383, Cl. 514-456.000.
Celamerck GmbH & Co. KG: *See—*
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Mengel, Rudolf; Pfleiderer, W.; Linden, Gerbert; and Schneider, Gerhart, 4,826,528, Cl. 71-92.000.
Celanese Corporation: *See—*
Auerbach, Andrew B.; and McKie, Derrick B., 4,801,626, Cl. 523-208.000.
Browne, Colin L., 4,821,750, Cl. 131-345.000.
Kusumgar, Rajal; Natarajan, K. M.; and Amond, Carl A., 4,795,477, Cl. 8-471.000.
Rosenfeld, Jerold C., 4,803,236, Cl. 524-83.000.
Rosenfeld, Jerold C., 4,824,895, Cl. 524-370.000.
Rosenfeld, Jerold C., 4,829,113, Cl. 524-128.000.
Celanese Engineering Resins, Inc.: *See—*
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Stautzenberger, A. Lee; Langford, Ellen A.; and Quick, Edward E., 4,868,324, Cl. 560-78.000.
Celanese Fibers, Inc.: *See—*
Doerr, Marvin L., 4,824,930, Cl. 528-272.000.
Simons, Frank H.; and Ferguson, Benjamin A., 4,798,152, Cl. 112-262.100.
Steiner, Thomas L.; Minnick, Dana T.; Domeshek, Kenneth A.; and Lester, Donald H., Jr., 4,888,420, Cl. 536-64.000.
Celarier, Stuart A.: *See—*
Abramovitz, Robert G.; Anderson, Robert L., Jr.; Busse, Frederick L.; Celarier, Stuart A.; Poublan, Jean-Yves H.; and Shorthill, Lawrence R., 4,809,351, Cl. 382-59.000.
Celaya, Emparanza y Galdos, S.A. (Cegasa): *See—*
Umerez, Ignacio Z., 4,857,885, Cl. 340-321.000.
Celenza, Nicholas; and Najm, Elie M., to International Business Machines Corp. Improved tap switching power supply. 4,888,545, 12-19-89, Cl. 323-258.000.
Celeste, Richard J.: *See—*
Wilhelm, Robert E., Jr.; Reader, John R., Jr.; Gormley, Kenneth W., Sr.; Hendrick, Kendall B.; and Celeste, Richard J., 4,816,730, Cl. 318-568.000.
Celgene Corporation: *See—*
Hsieh, Jih-Han, 4,833,078, Cl. 435-142.000.
Celi, Antonio M. Process for recovery of metals from metal/plastic waste. 4,828,661, 5-9-89, Cl. 204-109.000.
Celia, Wayne M. Apparatus for and a method of bonding a low density material to a plastic substrate and product thereof. 4,854,993, 8-8-89, Cl. 156-219.000.
Celiano, Eugene. System and method for maintaining a swimming pool cover drained of accumulated precipitation. 4,853,984, 8-8-89, Cl. 4-496.000.
Celico, Joseph M. A. Marker device. 4,837,959, 6-13-89, Cl. 40-584.000.
Celine, David H., to Control Logic (Proprietary) Limited. Method and apparatus for detecting presence of objects. 4,857,828, 8-15-89, Cl. 324-61.00R.
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Bacus, James W., 4,887,892, Cl. 350-523.000.
Cella, Albert F.: *See—*
Miller, Daniel W.; and Cella, Albert F., 4,815,493, Cl. 137-454.500.
Shane, Bruce E.; Leady, Keith D.; Conner, Wayne L.; and Cella, Albert F., 4,867,095, Cl. 116-204.000.
Cella, James A.; Gallagher, Patrick E.; and Shank, Gary K., to General Electric Company. Silicone-polyimides, and method for making. 4,808,686, 2-28-89, Cl. 528-27.000.
Cella, James A.; and Haitko, Deborah A., to General Electric Company. Method for making thianthrene dianhydride and polyimides obtained therefrom. 4,814,466, 3-21-89, Cl. 549-15.000.
Cella, James A.; O'Neil, Elbridge A., Jr.; and Williams, David A., to General Electric Company. Zinc borate as a smoke suppressant. 4,833,190, 5-23-89, Cl. 524-405.000.
Cella, James A.; and Guggenheim, Thomas L., to General Electric Company. Cyclic imides from spirobiindane diamines and methods of preparation. 4,837,298, 6-6-89, Cl. 528-352.000.
Cella, James A.; and Haitko, Deborah A., to General Electric Company. Method for making thianthrene dianhydride and polyimides obtained therefrom. 4,864,015, 9-5-89, Cl. 528-352.000.
Cella, James A.; and Faler, Gary R., to General Electric Company. Spiro(bis)indane bis-oxyphthalic acids and functional derivatives thereof. 4,864,034, 9-5-89, Cl. 548-473.000.
Cella, James A.: *See—*
Berdahl, Donald R.; Cella, James A.; and Shank, Gary K., 4,855,391, Cl. 528-188.000.
Cellai, Marino, to SGS Microelecttronica S.p.A. Method and package for dissipating heat generated by an integrated circuit chip. 4,807,018, 2-21-89, Cl. 357-70.000.
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Celleco AB: *See—*
Frykhult, Rune H., 4,814,093, Cl. 210-780.000.
Celler, George K.; and Trimble, Lee E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fabrication of dielectrically isolated devices with buried conductive layers. 4,835,11[illegible], 5-30-89, Cl. 437-37.000.
Cellich, William A.: *See—*
Hodgens, Henry M., II; and Cellich, William A., 4,834,912, Cl. 252-545.000.
Cellier Corporation: *See—*
Crawford, John E.; and Crofut, Keith, 4,880,539, Cl. 210-408.000.
Cellier, Francis; and Cady, Albert B., to Westinghouse Electric Corp. High strength cemented carbide dies and mandrels for a pilgering machine. 4,866,968, [illegible]-19-89, Cl. 72-208.000.
Cellini, John V.; Ronghi, Mario F.; and Geren, James G. Vacumm distillation system with spiralled cold coil. 4,880,504, 11-14-89, Cl. 202-185.600.
Cello Bag Company, Inc.: *See—*
Ball, James R.; and Barnard, Delbert J., 4,874,255, Cl. 383-8.000.
Barnard, Delbert J., 4,877,335, Cl. 383-6.000.
Wood, Jerry W., 4,867,575, Cl. 383-17.000.
Wood, Jerry W., 4,877,337, Cl. 383-21.000.
Cells, Paul L., to Mooney Chemicals, Inc. Preparation of hydrocarbon-soluble transition metal salts of organic carboxylic acids. 4,824,611, 4-25-89, Cl. 260-414.000.
Celltech, Limited: *See—*
Boss, Michael A.; Kenten, John H.; Emtage, John S.; and Wood, Clive R., 4,816,397, Cl. 435-68.000.
Cellular Communications Corporation: *See—*
Franklin, Philip G., 4,819,263, Cl. 379-390.000.
Celmac Limited: *See—*
Ozagir, Ozcan; and Proffitt, Raymond, 4,861,084, Cl. 292-359.000.
Ozagir, Ozcan; and Proffitt, Raymond, 4,884,834, Cl. 292-350.000.
Celmayster, James M.; and Clenet, Alain J-M. Trash bag holder. 4,802,647, 2-7-89, Cl. 248-544.000.
Celniker, Leo: *See—*
Krawetz, Barton; and Celniker, Leo, 4,850,551, Cl. 244-97.000.
Celorier, George M., Jr.: *See—*
Gerstmann, Joseph; Celorier, George M., Jr.; and Hill, Wayne S., 4,798,240, Cl. 165-48.100.
Celotex Corporation, The: *See—*
Betzner, William E., 4,842,786, Cl. 264-40.100.
Gluck, David G.; Soukup, Thomas G.; and Moore, William J., 4,795,763, Cl. 521-99.000.
Jennus, Robert E.; and Major, Dale P., 4,869,942, Cl. 428-77.000.
Kyminas, Stanley C.; Phillips, John C.; and Einhaus, Bernard J., 4,859,723, Cl. 524-31.000.
Celwave Systems Inc.: *See—*
Arnold, Pitt W.; and Gaukel, Kevin M., 4,810,984, Cl. 333-202.000.
CEM Corporation: *See—*
Collins, Michael J.; and Manchester, Dennis P., 4,835,354, Cl. 219-10.55B.
Floyd, Terry S.; and Hargett, Wyatt P., Jr., 4,877,624, Cl. 426-241.000.
Neas, Edwin D.; and Floyd, Terry S., 4,861,556, Cl. 422-78.000.
Neas, Edwin D.; and Floyd, Terry S., 4,882,286, Cl. 436-175.000.
Cemax, Inc.: *See—*
Woolson, Steven T., 4,841,975, Cl. 128-653.000.
Cemenska, Richard A.; Schneider, Marvin P.; and Buege, Thomas J., to Caterpillar Inc. Force feedback lever. 4,800,721, 1-31-89, Cl. 60-393.000.
Cemtech Laboratories Inc.: *See—*
Colin, Laurence; and Pardiso, Vincent A., 4,836,969, Cl. 264-311.000.
Cenanovic, Matija, to Ontario Hydro. Electromagnetic method for positioning objects located behind a conductive wall. 4,867,940, 9-19-89, Cl. 376-260.000.
Cencorp, Inc.: *See—*
Lopez, Gilbert T., 4,830,554, Cl. 409-164.000.
Cendre, Andre ; and Boulet, Jean, to SMF International. Actuator for an appliance associated with a ducted body, especially a drill rod. 4,821,817, 4-18-89, Cl. 175-269.000.
Cendre, Andre; and Boulet, Jean, to SMF International. Drilling device having a controlled path. 4,844,178, 7-4-89, Cl. 175-73.000.
Cendre, Andre ; and Boulet, Jean, to SMF International. Method and device for adjusting the path of a drilling tool fixed to the end of a set of rods. 4,848,488, 7-18-89, Cl. 175-61.000.
Cendres & Metaux, S.A.: *See—*
Von Allmen, Martin; and Blatter, Andreas, 4,797,166, Cl. 148-13.100.

Cenfold Holdings S.A.: *See—*
Karpas, Abraham, 4,814,269, Cl. 435-5.000.
Karpas, Abraham, 4,863,730, Cl. 424-86.000.
Cenky, Mark A., to Therm-O-Disc, Incorporated. Thermal protector. 4,808,965, 2-28-89, Cl. 337-408.000.
Cenky, Mark A., to Therm-O-Disc, Incorporated. Thermal cutoff. 4,825,187, 4-25-89, Cl. 337-407.000.
Censini, Stefano: *See—*
Verdini, Antonio S.; Bonelli, Fabio; Pessi, Antonello; Cardinali, Franco; Boraschi, Diana; Censini, Stefano; and Di Trapani, Romano, 4,816,560, Cl. 530-323.000.
Censtor Corporation: *See—*
Hamilton, Harold J., 4,860,139, Cl. 360-126.000.
Centafanti, Rocco. Self-watering flower pot. 4,829,709, 5-16-89, Cl. 47-79.000.
Centafanti, Rocco. Portable golf putting course. 4,877,250, 10-31-89, Cl. 273-176.0FB.
Centaur Sciences, Inc.: *See—*
Deckert, Clinton; and Wilson, Larry L., 4,821,028, Cl. 340-606.000.
Williams, David R., 4,856,339, Cl. 73-714.000.
Centenko, Wiaczeslaw A.: *See—*
Carethers, Mary E.; Centenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,874,758, Cl. 514-226.500.
Centennial Machine Company, Inc.: *See—*
Harben, Grover S., Jr., deceased, 4,868,950, Cl. 17-11.200.
Harben, Grover S., III, 4,799,29[illegible], Cl. 17-11.000.
Center D'Activitate et de Recherches Pharmaceutique Industrielle Biologique Medicale: *See—*
Bru-Magniez, Nicole; Teulon, Jean-Marie; and Launay, Michele, 4,886,805, Cl. 514-253.000.
Center for Innovative Technology: *See—*
Claus, Richard O.; and Sankar, Ashok, 4,809,362, Cl. 455-607.000.
Hutchinson, Thomas E., 4,836,670, Cl. 351-210.000.
Reid, Samuel K.; and Chen, Dan D., 4,831,376, Cl. 341-13.000.
Schoenbach, Karl H.; Germer, Rudolf K. F.; Lakdawala, Vishnukumar K.; and Albin, Sacharia, 4,825,061, Cl. 250-211.00R.
Schoenbach, Karl H.; Lakdawala, Vishnukumar K.; Germer, Rudolf K. F.; and Schmitt, Klemens B., 4,831,248, Cl. 250-211.00R.
Sonenshine, Daniel; and Hamilton, James G. C., 4,884,361, Cl. 43-132.100.
Center for Molecular Medicine & Immunology: *See—*
Mattes, Michael J., 4,859,449, Cl. 424-9.000.
Siegel, Jeffrey A., 4,846,187, Cl. 128-659.000.
Center-Tech Incorporated: *See—*
Wright, William J., Jr., 4,809,897, Cl. 224-282.000.
Centers, Phillip W., to United States of America, Air Force. Molybdenum disulfide - molybdenum oxide lubricants. 4,828,729, 5-9-89, Cl. 252-25.000.
Centiforce (Proprietary) Limited: *See—*
Engelbrecht, Fillippus T., 4,888,871, Cl. 30-276.000.
Centigram Corporation: *See—*
Enstrom, Paul M., 4,807,275, Cl. 379-68.000.
Enstrom, Paul M., 4,825,130, Cl. 315-317.000.
Centind - Centro Studi Industriali - S.R.L.: *See—*
Romagnoli, Andrea, 4,829,742, Cl. 53-134.000.
Centkowski, Mark; Manios, Steven E., Sr.; and Weaver, James, to Innovision Optics, Inc. Adjustable adapter for borescope and film/video camera. 4,862,199, 8-29-89, Cl. 354-62.000.
Centocor, Inc.: *See—*
Chang, Nancy T.; and Ghrayeb, John, 4,808,536, Cl. 435-5.000.
Schoemaker, Hubert J. P.; Wands, Jack R.; Westrick, Barbara L.; and Zurawski, Vincent R., Jr., 4,837,167, Cl. 436-513.000.
Schoemaker, Hubert J. P.; Wands, Jack R.; Westrick, Barbara L.; and Zurawski, Vincent R., Jr., 4,837,167, Cl. 436-513.000.
Centofanti, Salvatore J.: *See—*
Napoleon, David P.; and Centofanti, Salvatore J., 4,797,977, Cl. 19-97.000.
Centorr Associates, Inc.: *See—*
Lavoie, Gerard H.; Miller, Charles W., Jr.; Currier, John K.; Saunders, Lionel F.; and Leary, Daniel J., 4,885,454, Cl. 219-390.000.
Central Electricity Generating Board: *See—*
Bibby, Geoffrey W., 4,859,06[illegible], Cl. 356-45.000.
Roberts, Ian A.; and Hargis, Colin, 4,812,751, Cl. 324-546.000.
Woollam, Paul B., 4,808,827, Cl. 250-370.020.
Central Glass Company, Limited: *See—*
Akiyama, Saburo, 4,804,713, Cl. 525-185.000.
Aramaki, Minoru; Kubo, Masahiro; Nakano, Hisaji; and Kurashige, Hiroyuki, 4,863,762, Cl. 427-255.600.
Aratani, Shin-ichi, 4,846,868, Cl. 65-30.140.
Aratani, Shinichi; Katano, Masaaki; and Mizoguchi, Takeshi, 4,859,636, Cl. 501-72.000.
Furuuchi, Toshiharu; Nagano, Makoto; and Tsuji, Yoshiaki, 4,833,015, Cl. 428-309.900.
Furuuchi, Toshiharu, 4,879,159, Cl. 428-161.000.
Iida, Yasunobu; Yanai, Toshiharu; and Furuya, Koichi, 4,869,948, Cl. 428-216.000.
Imai, Yoshio; Kakimoto, Masaaki; Maruyama, Yutaka; and Koishi, Toshio, 4,806,618, Cl. 528-125.000.
Imai, Yoshio; Kakimoto, Masaaki; Oishi, Yoshiyuki; and Maruyama, Yutaka, 4,820,793, Cl. 528-183.000.
Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,803,492, Cl. 343-713.000.
Inaba, Hiroshi; Nakase, Kiyoshi; and Yanagida, Yukitoshi, 4,818,352, Cl. 204-59.00R.
Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,849,766, Cl. 343-713.000.
Inaba, Hiroshi; Nakase, Kiyoshi; Yanagida, Yukitoshi; and Nishii, Hiroyuki, 4,850,684, Cl. 350-357.000.
Kita, Yasushi; and Moroi, Shirou, 4,859,444, Cl. 423-439.000.
Kondo, Takeshi; Negishi, Junji; Goto, Yoshihiko; Minezaki, Matsue; and Kawai, Toshikazu, 4,849,557, Cl. 570-177.000.
Kondo, Takeshi; Kawai, Toshikazu; and Oshio, Hideki, 4,876,404, Cl. 570-145.000.
Maeda, Kazuhiko; and Koishi, Toshio, 4,835,048, Cl. 428-323.000.
Maeda, Kazuhiko, 4,851,323, Cl. 430-275.000.
Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, 4,861,835, Cl. 525-200.000.
Makita, Kensuke; Hattori, Akimasa; and Tanaka, Katsuto, 4,874,462, Cl. 156-635.000.
Mohri, Yoshio; and Sano, Kinji, 4,820,660, Cl. 501-8.000.
Murata, Katsuyoshi; Nakazora, Toru; and Isago, Takashi, 4,837,366, Cl. 568-490.000.
Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, 4,798,758, Cl. 428-213.000.
Nishimura, Yasunobu; Kawai, Toshikazu; and Sugimori, Yoshikazu, 4,808,746, Cl. 558-314.000.
Nishimura, Yasunobu; Gotoh, Yoshihiko; and Kawai, Toshikazu, 4,845,279, Cl. 562-438.000.
Nishimura, Yasunobu; and Kawai, Toshikazu, 4,876,382, Cl. 560-109.000.
Teshima, Shinichi; Katsuta, Shigeki; Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, 4,842,369, Cl. 350-96.340.
Central Institute for the Deaf: *See—*
Jongman, Allard; and Miller, James D., 4,809,332, Cl. 381-43.000.
Miller, James D., 4,813,076, Cl. 381-43.000.
Miller, James D.; and Chang, Hisao M., 4,820,059, Cl. 381-43.000.
Central Machine and Tool Company: *See—*
Parrish, James [illegible]., 4,871,195, Cl. 285-91.000.
Vargo, Edward E., 4,802,694, Cl. 285-87.000.
Central Mine Equipment Company: *See—*
Rassieur, Charles L.; and Burns, Raymond W., 4,854,395, Cl. 173-163.000.
Rassieur, Charles L., 4,870,738, Cl. 29-240.000.
Smith, Francis L., 4,795,222, Cl. 305-35.0EB.
Central National De La Recherche Scientifique (CNRS): *See—*
Bouix, Jean; Viala, Jean C.; Vincent, Henri; Vincent, Christiane; Ponthenier, Jean L.; and Dazord, Jacques, 4,859,503, Cl. 427-249.000.
Central Plastics Company: *See—*
Sehorn, Bobby W., 4,801,159, Cl. 285-55.000.
Central Soya Company, Inc.: *See—*
Beery, Kenneth E.; and Konwinski, Arthur H., 4,888,198, Cl. 426-656.000.
Binderman, Melvin D.; and Casey, Joseph N., 4,803,016, Cl. 260-403.000.
Central Sprinkler Corporation: *See—*
Polan, George S., 4,830,115, Cl. 169-38.000.
Polan, George S., 4,854,342, Cl. 137-516.290.
Centralina Laboratoria Po Sistemi Za Upravlenie: *See—*
Zapryanov, Yordan D.; Boyadjiev, Dimcho I.; Mladenov, Desho I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadin B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michail P.; and Kolev, Kolyo E., 4,814,993, Cl. 364-442.000.
Centre de Recherche Scientifique: *See—*
Chanzy, Henri D.; and Paillet, Michel, 4,880,469, Cl. 106-203.000.
Centre de Recherches Metallurgiques-Centrum Voor Research in de Metallurgie: *See—*
Economopoulos, Marios, 4,810,311, Cl. 148-128.000.
Halleux, Jacques, 4,847,112, Cl. 427-53.100.
Monfort, Guy; Crahay, Jean; and Bragard, Adolphe, 4,850,089, Cl. 29-121.800.
Monfort, Guy A.; and Bragard, Adolphe A., 4,803,374, Cl. 250-571.000.
Terreur, Frederic, 4,885,751, Cl. 372-26.000.
Wilmotte, Stephan, 4,874,471, Cl. 164-437.000.
Centre d'Etude de l'Energie Nucleaire, "C.E.N.": *See—*
Musyck, Emile P.; Binard, Luc A.; and Coupe, Bernard G., 4,816,655, Cl. 235-380.000.
Centre d'Etude des Materiaux Organiques pour Technologies Avancees: *See—*
Dussart-Lermusiaux, Annie; Senneron, Michel; Rabilloud, Guy; and Sillion, Bernard, 4,814,403, Cl. 526-265.000.
Centre Electronique Horloger S.A.: *See—*
Bourgeois, Claude, 4,873,465, Cl. 310-361.000.
Centre Experimental de Recherche et d'Etudes du Batiment: *See—*
Paquet, Jean, 4,881,405, Cl. 73-146.000.
Centre for Frontier Engineering Research: *See—*
Slack, Maurice W., 4,870,866, Cl. 73-599.000.
Centre International de Recherches Dermatologiques (C.I.R.D.): *See—*
Caron, Daniele; and Shroot, Braham, 4,837,213, Cl. 514-179.000.
Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, 4,826,969, Cl. 536-55.200.
Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, 4,833,240, Cl. 536-55.200.
Maignan, Jean; Restle, Serge; and Colin, Michel, 4,851,541, Cl. 548-209.000.

Maignan, Jean R.; Shroot, Braham; and Restle, Serge A., 4,810,694, Cl. 514-54.000.
Shroot, Braham; Eustache, Jacques; Bernardon, Jean-Michel; and Nedoncelle, Philippe, 4,874,747, Cl. 514-23.000.
Shroot, Braham; Hensby, Christopher; Maignan, Jean, Lang, Gerard; Restle, Serge; and Colin, Michel, 4,877,789, Cl. 514-255.000.
Shroot, Braham; Watts, Oliver; Gazith, Joseph; and Cavey, Marie-Therese, 4,880,941, Cl. 549-57.000.
Shroot, Braham; Eustache, Jacques; and Bouclier, Martine, 4,886,907, Cl. 562-490.000.
Shroot, Braham; Lang, Gerard; Maignan, Jean; Restle , Serge; Hensby, Christopher; and Colin, Michel, 4,889,865, Cl. 514-332.000.
Centre Meridional d'Oenologie: *See*—
Castelas, Bernard L., 4,814,202, Cl. 427-226.000.
Centre National de la Recherce Scientifique: *See*—
Huynh Dinh, Tam; Gouyette, Catherine; and Igolen, Jean, 4,845,205, Cl. 536-28.000.
Centre National de la Recherche Scientifique: *See*—
Aptel, Philippe; and Espenan, Jean-Michel, 4,382,223, Cl. 428-398.000.
Armand, Michel, 4,818,644, Cl. 429-192.000.
Aubert, Guy, 4,812,765, Cl. 324-320.000.
Aubert, Guy, 4,823,101, Cl. 335-299.000.
Balanzat, Emmanuel; and Bieth, Claude, 4,832,997, Cl. 428-131.000.
Bernier, Jean-Claude; Poix, Paul J. L.; Rehspringer, Jean-Luc; Vilmin, Gabriel G. J.; and Vilminot, Serge, 4,888,314, Cl. 501-119.000.
Biardeau, Gilles; Demazeau, Gerard; and Pouchard, Michel, 4,810,479, Cl. 423-290.000.
Bisagni, Emile; Chi Hung, Nguyen; and Pepin, Odile, 4,835,160, Cl. 514-292.000.
Boivineau, Michel; Jouvet, Christophe; and Piuzzi, Francois, 4,849,983, Cl. 372-57.000.
Bolomey, Jean-Charles, 4,870,423, Cl. 342-368.000.
Bonnet, Radelani A.; and Macchi, Odile M., 4,852,081, Cl. 370-32.100.
Calvat, Claude; Colle, Laurent; Couchaud, Maurice; LeJus, Anne-Marie; Moncorge, Richard; Vivien, Daniel; and Wyon, Christophe, 4,853,354, Cl. 501-119.000.
Carme, Christian E.; and Roure, Alain R., 4,833,719, Cl. 381-72.000.
Chanzy, Henri; Paillet, Michel; and Peguy, Alain, 4,851,522, Cl. 536-56.000.
Chesnoy, Jose; and Fini, Lorenzo, 4,815,080, Cl. 372-30.000.
Chevrel, Roger A.; Sergent, Marcel M.; and Hirrien, Maryvonne F., 4,808,488, Cl. 428-614.000.
Clot, Jean; and Falipou, Jean, 4,800,723, Cl. 60-545.000.
Commeyras, Auguste A.; Taillades, Jacques R.; Brugidou, Jean; Sola, Regine; Previero, Aldo; Mion, Louis; Pascal, Robert J.; Lasperas, Monique; and Rousset, Alain, 4,851,576, Cl. 564-126.000.
Corriu, Robert J.; Cerveau, Genevieve E.; Chuit, Claude G.; and Reye, Catherine, 4,841,084, Cl. 556-464.000.
Dittmar, Andre; Foray, Jacques; Delhomme, Georges; Blain, Yves; and Berard, Pierre, 4,825,863, Cl. 128-203.270.
Dittmar, Andre; Delhomme, Georges; Roussel, Bernard; and Chatonnet, Joseph, 4,841,543, Cl. 374-44.000.
Edouard, Bridoux; Lievin, Camus; Christian, Bruneel; Marc, Gazalet; and Torguet, Roger, 4,799,777, Cl. 350-358.000.
Escribano-Crespo, Maria J.; and Burtin, Pierre, 4,843,019, Cl. 436-501.000.
Fajula, Francois; Figueras, Francois; and Moudafi, Latifa, 4,834,961, Cl. 423-328.000.
Gallot, Bernard; and Douy, Andre, 4,859,753, Cl. 526-238.100.
Huynh-Dinh, Tam; and Igolen, Jean, 4,842,996, Cl. 435-6.000.
Laurent, Yves; Verdier, Patrick; and Guyader, Jean, 4,797,377, Cl. 501-39.000.
Le Jeune, Claude, 4,873,445, Cl. 250-432.00R.
Lombardy wife Alric, Monique; and Renaud, Michel, 4,828,801, Cl. 422-102.000.
Maurice, Francois; Froyer, Gerard; Pelous, Yvan; Petit, Michel; and Fauvarque, Jean-Francois, 4,863,574, Cl. 204-59.00R.
Menet, Jacques; and de Gabrielli, Olivier, 4,886,992, Cl. 313-153.000.
Naud, Claude; Guillot, Gerard; Deveaud, Benoit; and Clerjaud, Bernard, 4,821,274, Cl. 372-43.000.
Nguyen, Thanh T.; Helene, Claude; and Asseline, Ulysse, 4,835,263, Cl. 536-27.000.
Oiry, Joel; and Imbach, Jean-Louis, 4,816,482, Cl. 514-513.000.
Rey, Pierre; Leandri, Jacqueline; Abbou, Clement; and Sezeur, Alain, 4,857,059, Cl. 604-185.000.
Rioux, Christian; Guillet, Roger; Lucidarme, Jean; Roche, Jean; and Pouillange, Jean, 4,864,169, Cl. 310-12.000.
Rousset, Abel, Salvaing, Christiane B.; Mollard, Paul; Manoux, Alain; and Tailhades, Philippe, 4,805,291, Cl. 556-31.000.
Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Gougeon, Michel; and Tailhades, Philippe, 4,808,327, Cl. 252-62.560.
Sabban, Joseph C.; Rodier, Jean-Claude; Roussel, Andre; and Simon, Jacques F., 4,886,351, Cl. 351-221.000.
Schearer, Laird; Leduc, Michele; Laloe, Franck; and Hamel, Joseph M., 4,806,864, Cl. 324-301.000.
Toulemonde, Marcel; and Balanzat, Emmanuel, 4,855,049, Cl. 210-500.400.
Vijayalakshmi, Mookambeswaran; and Sunanda, Rajgopal, 4,833,075, Cl. 435-8.000.
Voisin, Paul; and Brum, Jose A., 4,806,993, Cl. 357-4.000.
Centre National d'Etudes des Telecommunications: *See*—
d'Avitaya, Francois A.; and Campidelli, Yves, 4,847,216, C 437-105.000.
Pommier, Daniel; and Alard, Michel, 4,881,241, Cl. 375-38.000.
Quinquis, Jean-Paul; and Lespagnol, ALbert, 4,864,560, C 370-60.000.
Thioulouse, Pascal, 4,808,880, Cl. 313-507.000.
Centre National d'Etudes Spatiales: *See*—
Groslambert, Jacques; and Brunet, Michel, 4,845,692, C 368-156.000.
Jouffreau, Jacques, 4,804,571, Cl. 428-77.000.
Remondiere, Olivier; Bourquin, Patrick; and Pailler, Rene 4,880,960, Cl. 219-273.000.
Centre Scientifique et Technique du Batiment: *See*—
Sallee, Hebert; and Quenard, Daniel, 4,817,436, Cl. 73-708.000.
Centre Stephanois de Recherches Mecaniques Hydromecanique Frottement: *See*—
Cartier, Michel; and Farjaudon, Jean-Paul, 4,806,139, C 65-170.000.
Centre Suisse d'Electronique et de Microtechnique S.A.: *See*—
Falco, Lucien G.; and Parriaux, Olivier M., 4,846,547, C 350-96.290.
Falco, Lucien G.; and Parriaux, Olivier M., 4,887,901, C 356-352.000.
Genequand, Pierre; and Schwab, Philippe, 4,813,830, C 409-174.000.
Schwab, Philippe M.; and Genequand, Pierre M., 4,805,543, C 108-20.000.
Centre Technique de l'Industrie des Papiers, Cartons Et Cellulose *See*—
Bernard, Emile; Galland, Gerard; Vernac, Yves; and Doublie Charles, 4,865,690, Cl. 162-4.000.
Centrem S.A.: *See*—
Metz, Paul, 4,863,509, Cl. 75-0.50C.
Centrite Corporation: *See*—
Staneluis, James M.; and Rodenbeck, Donald L., 4,828,897, C 428-71.000.
Centro de Investigacion y de Estudios Avanzados Del Instituto Politecnico Nacional: *See*—
Joseph-Nathan, Pedro; and Morales-Rios, Martha S., 4,803,284, C 548-497.000.
Centro Studi e Laboratori Telecomunicazioni Spa: *See*—
DeBernardi, Carlo; and Modone, Eros, 4,820,323, Cl. 65-3.120.
Centro Sviluppo Materiali S.p.A.: *See*—
Alota, Santa; Ferrari, Vincenzo; Memmi, Massimo; Pacelli, Leonardo; and Ramundo, Susanna, 4,875,983, Cl. 204-28.000.
Tamba, Alberto; Fioravanti, Silverio; and Scaccia, Antoni 4,812,288, Cl. 420-443.000.
Vacchiano, Sergio; Lanfranco, Giovanni; and Gubiotti, Robert 4,824,636, Cl. 420-59.000.
Centronics Data Computer Corporation: *See*—
Fuller, Douglas D., 4,795,145, Cl. 271-10.000.
Century Adhesives Corp.: *See*—
Pike, Charles O.; and Viers, Tamela A., 4,810,745, Cl. 524-516.00
Pike, Charles O.; and Viers, Tamela A., 4,859,521, Cl. 428-195.00
Ramalingam, Balasubramaniam, 4,851,459, Cl. 523-414.000.
Ramalingam, Balasubramaniam, 4,883,694, Cl. 428-35.200.
Century Aero Products International, Inc.: *See*—
Dunwoodie, Edward H., 4,795,047, Cl. 220-1.500.
Dunwoodie, Edward H., 4,833,771, Cl. 220-1.500.
Century Container Corporation: *See*—
Castellano, Anthony J., 4,877,074, Cl. 160-84.100.
Century Electric, Inc.: *See*—
Barahia, Manoj M., 4,879,483, Cl. 310-63.000.
Sisk, Hollis D., 4,885,495, Cl. 310-216.000.
Century International Corporation: *See*—
Ingermann, Donald E.; Caffrey, Stephen F.; DeVoe, Alan R. Smith, Ronald L.; and Sullivan, Ronald G., 4,856,138, C 15-320.000.
Century Laboratories, Inc.: *See*—
Rubin, David, 4,843,095, Cl. 514-558.000.
Century Martial Art Supply, Inc.: *See*—
Hestilow, Gary P., 4,844,453, Cl. 272-126.000.
Century Products Company: *See*—
Sedlack, Mark A., 4,844,209, Cl. 188-5.000.
Wise, Robert D., 4,854,796, Cl. 411-366.000.
Century Wrecker Corporation: *See*—
Holmes, Gerald E.; and Pace, Jerry E., 4,836,737, Cl. 414-563.00
Nekola, Randy A., 4,846,484, Cl. 280-43.110.
Ceodeux S.A.: *See*—
Kerger, Leon, 4,887,645, Cl. 137-884.000.
Cera, Robin P.; and Davies, Ross H., to Burndy Corporation. Grou connector. 4,863,390, 9-5-89, Cl. 439-100.000.
Ceracon, Inc.: *See*—
Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Bri 4,808,224, Cl. 75-246.000.
Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Bri 4,869,869, Cl. 419-44.000.
Oslin, Brian L., 4,853,178, Cl. 419-23.000.
Ceradyne, Inc.: *See*—
Ezis, Andre; and Beckwith, Elaine C., 4,848,984, Cl. 51-309.000
Falce, Louis R., 4,823,044, Cl. 313-346.0DC.
Negrych, John A., 4,820,545, Cl. 427-2.000.
Palicka, Richard J.; and Negrych, John A., 4,824,624, C 264-67.000.

Ruge, Arthur A.; and Kenagy, Donald A., 4,887,528, Cl. 101-148.000.
Takvorian, Lawrence K., 4,860,942, Cl. 228-220.000.
Ceram-Sna, Inc.: *See*—
Delvaux, Pierre; and Lesmerises, Normand, 4,812,204, Cl. 162-3.000.
Ceramaspeed Limited: *See*—
Morgan, Derek E.; and Jackson, James D. J., 4,864,105, Cl. 219-542.000.
Ceramatec, Inc.: *See*—
Cutler, Raymond A., 4,825,584, Cl. 51-307.000.
Cutler, Raymond A.; Virkar, Anil V.; and Hurford, Andrew C., 4,829,027, Cl. 501-89.000.
Joshi, Ashok V., 4,879,016, Cl. 204-242.000.
Virkar, Anil V., 4,876,148, Cl. 428-384.000.
Ceramed Corporation: *See*—
Starling, L. Brian; Stephan, James E.; and Hubbard, William G., 4,839,215, Cl. 428-131.000.
Cerami, Anthony; and Kawakami, Masanobu, to Rockefeller University, The. Lipoprotein lipase suppression by endotoxin-induced mediator (shock assay). 4,822,776, 4-18-89, Cl. 514-21.000.
Ceramic Bonding, Inc.: *See*—
Johnson, Barrett; and Rubenstein, Charles B., 4,882,067, Cl. 210-688.000.
Ceramica Filippo Marazzi S.p.A.: *See*—
Marazzi, Filippo, 4,798,164, Cl. 118-308.000.
Marazzi, Filippo, 4,805,551, Cl. 118-64.000.
Ceramics Process Systems Corporation: *See*—
Adams, Richard W.; and Wei, Wen-Cheng J., 4,888,313, Cl. 501-103.000.
Barringer, Eric A.; Foster, Brian C.; Hodge, James D.; and Lind, Roger S., 4,835,039, Cl. 428-210.000.
Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark S.; Hodge, James D.; Waack, Richard, Kelley, Donald J.; Saxton, Brian W.; and Gruber, William C., 4,861,646, Cl. 428-210.000.
Foster, Brian C.; and Lind, Roger S., 4,861,641, Cl. 428-137.000.
Novich, Bruce; and Pober, Richard, 4,816,182, Cl. 252-313.100.
Novich, Bruce E., 4,882,088, Cl. 252-313.100.
Novich, Bruce E.; and Halloran, John W., 4,882,304, Cl. 501-32.000.
Cerankowski, James A.: *See*—
Sperduti, Bernard D.; and Cerankowski, James A., 4,798,282, Cl. 198-781.000.
Ceraver S.A.: *See*—
Parraud, Rene; and Thuillier, Denis, 4,825,188, Cl. 338-21.000.
Parraud, Rene; and Thuillier, Denis, 4,833,438, Cl. 338-21.000.
Thevenet, Guy, 4,885,039, Cl. 156-294.000.
Cerberus AG: *See*—
Muller, Kurt; and Wuthrich, Alfred, 4,847,488, Cl. 250-225.000.
Muller, Kurt; and Mahler, Hansjurg, 4,880,980, Cl. 250-353.000.
Cerceau, Jean-Michel, to Societe Industrielle de Combustible Nucleaire. Thermostable abrasive diamond-containing product. 4,798,026, 1-17-89, Cl. 51-204.000.
Cerceau, Jean-Michel, to Societe Industrielle de Combustible Nucleaire. Method of manufacturing composite thermostable abrasive products. 4,824,442, 4-25-89, Cl. 51-293.000.
Cercek, Boris; and Cercek, Lea. Differential binding of membrane potential sensitive materials to lymphocytes. 4,835,103, 5-30-89, Cl. 435-29.000.
Cercek, Lea: *See*—
Cercek, Boris; and Cercek, Lea, 4,835,103, Cl. 435-29.000.
Cerdan-Diaz, Juan M.; Sanders, Michael J.; and Wellar, Mark E., to Stemcor Corporation. Spray-applied ceramic fiber insulation. 4,822,679, 4-18-89, Cl. 428-392.000.
Ceresa, Emiliano M.; Gennaro, Antonio; and Cortesi, Paolo, to Montedison S.p.A. Alpha-alumina in the form of spherical non-aggregated particles having a narrow size distribution and sizes below 2 microns and process for preparing same. 4,818,515, 4-4-89, Cl. 423-625.000.
Ceresa, Emiliano M.: *See*—
Albizzati, Enrico; Ceresa, Emiliano M.; and Zaninetta, Luciano, 4,808,397, Cl. 423-608.000.
Cerex: *See*—
Bienvenu, Gerard-Pierre; Chaleat, Bernard; Dubruque, Dominique; Girardot, Jean-Claude; and Vaxelaire, Philippe, 4,820,339, Cl. 75-0.5BB.
Cerex Corporation: *See*—
Colvin, Arthur E., Jr.; and Scott, Stephen C., 4,868,767, Cl. 364-525.000.
Cerf, Alain A., to Polycerf, Inc. Machines and methods for doubling the capacity of packaging machines. 4,870,802, 10-3-89, Cl. 53-442.000.
Cerff, Karlheinz; Giraud, Helmut; and Krieg, Gunther, to Kernforschungszentrum Karlsruhe GmbH. Method and apparatus for continuously measuring the concentration of a gas component. 4,849,637, 7-18-89, Cl. 250-345.000.
Cergeus, Sture: *See*—
Brattstrom, Leif; Gustafsson, Hans; Strom, Tommy; Arvidsson, Bertil; and Cergeus, Sture, 4,831,936, Cl. 102-476.000.
Cerier, Jeffrey C.; Trotta, Robert A.; and Shurtleff, Jill M., to Gillette Company, The. Shaving device. 4,807.360, 2-28-89, Cl. 30-49.000.
Cerier, Jeffrey C., to Gillette Company, The. Razor with stackable cartridge. 4,831,730, 5-23-89, Cl. 30-47.000.
Cerier, Jeffrey C.: *See*—
Trotta, Robert A.; and Cerier, Jeffrey C., 4,875,288, Cl. 30-49.000.
Cerit SpA: *See*—
Marchiori, Mirko; Lancerotto, Fabio; and Gerin, Umberto, 4,862,687, Cl. 57-354.000.
Marchiori, Mirko; Lant, Danny; Lancerotto, Fabio; and Gerin, Umberto, 4,870,815, Cl. 57-299.000.
Cermak, Ivan A.: *See*—
Curtis, Bobby B.; and Cermak, Ivan A., 4,815,470, Cl. 128-662.030.
Cermak, Jan: *See*—
Vitovec, Jaroslav; Cermak, Jan; and Smolik, Jiri , 4,874,409, Cl. 55-267.000.
Cernansky, Joe: *See*—
Rudell, Elliott; Cernansky, Joe; Ayton, Ian; Kamrath, Rick; and Foster, George, 4,850,496, Cl. 215-12.100.
Cernea, Raul-Adrian: *See*—
Wong, Ting-Wah; and Cernea, Raul-Adrian, 4,888,738, Cl. 365-218.000.
Cerni, Samuel; Wilson, John F.; and Gjertsen, Robert K., to Westinghouse Electric Corp. Wear sleeve for a control rod end plug. 4,798,699, 1-17-89, Cl. 376-327.000.
Cerni, Samuel: *See*—
Wilson, John F.; Cerni, Samuel; and Gjertsen, Robert K., 4,820,058, Cl. 376-327.000.
Cerni, Todd A.: *See*—
Nelson, Loren D.; and Cerni, Todd A., 4,874,572, Cl. 376-256.000.
Cernich, Thomas: *See*—
Shouldice, David R.; Treu, Dennis M.; Powell, Daniel A.; and Cernich, Thomas, 4,857,181, Cl. 210-87.000.
Cerny, Alexander. System to install a vandal-resistant screw. 4,800,787, 1-31-89, Cl. 81-121.100.
Cerny, Anton. Process for producing workpieces. 4,868,969, 9-26-89, Cl. 29-558.000.
Cerny, David E.; Bacehowski, David V.; and Foley, John T., to Baxter International Inc. Fluid transfer workstation. 4,807,676, 2-28-89, Cl. 141-98.000.
Cerny, David E.: *See*—
Brown, Richard I.; Cerny, David E.; Foley, John T.; and West, Joseph C., Jr., 4,806,252, Cl. 210-744.000.
Brown, Richard I.; Smith, Sidney; Cerny, David E.; and Foley, John T., 4,834,890, Cl. 210-739.000.
Cerny, Elmer J.; and Stanton, Mark F., to Beltone Electronics Corporation. Battery holder. 4,860,890, 8-29-89, Cl. 206-333.000.
Cerny, John R., Jr.; Olson, Jay H.; Hall, James W.; and Erdman, Leon P., to Deere & Company. Modular mower deck with light-weight housing. 4,887,420, 12-19-89, Cl. 56-320.200.
Cerny, Mark S.: *See*—
Daly, Paul D.; Brooks, Mark A.; Fallis, Robert E.; and Cerny, Mark S., 4,878,650, Cl. 251-129.150.
Cerny, Peter W.: *See*—
Patzschke, Hans-Peter; Cerny, Peter W.; Goebel, Armin; and Stransky, Karlheinz, 4,857,580, Cl. 524-507.000.
Cero, Larry J. Target projecting apparatus. 4,831,996, 5-23-89, Cl. 124-8.000.
Ceroni, Ettore; and Lo Curto, Michelangelo, to GTE Telecommunicazioni, S.p.A. Method and circuit for carrier synchronism recovery in PSK coherent demodulators. 4,795,986, 1-3-89, Cl. 329-124.000.
Cerra, Richard D.: *See*—
Lodovico, Frank J.; Wagner, John W.; and Cerra, Richard D., 4,862,796, Cl. 100-173.000.
Cerreta, Jonathan D. Blower attachment for filament trimmers. 4,827,702, 5-9-89, Cl. 56-12.700.
Cerreta, Jonathan D. Filament trimmer including a blower. 4,835,950, 6-6-89, Cl. 56-12.800.
Cerretti, Douglas P.; Davis, Brian S.; and Maliszewski, Charles R., to Immunex Corporation. Bovine interleukin-1β DNA sequence. 4,879,374, 11-7-89, Cl. 536-27.000.
Cerretti, Douglas P.: *See*—
Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.300.
Cerri, Alberto: *See*—
Farina, Carlo; Pinza, Mario; Cerri, Alberto; and Parravicini, Francesco, 4,873,328, Cl. 544-239.000.
Cerrington, Brian E.; Arrindell, Michael W.; Cooper, Kenneth E.; and Isaacson, Philip G., to GKN Axles Limited. Lubrication of gearing 4,841,797, 6-27-89, Cl. 74-467.000.
Cerrone, Frank J., Jr. Cover for container with screen to prevent insect intrusion. 4,869,389, 9-26-89, Cl. 220-90.200.
CertainTeed Corporation: *See*—
Moss, Robert L., 4,829,738, Cl. 52-743.000.
Cerutti, Jean-Pierre: *See*—
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Cerutti, Walter, to Ing. C. Olivetti & C., S.p.A. Electronic circuit for extending the addressing capacity of a processor. 4,805,092, 2-14-89, Cl. 364-200.000.
Cervantes, Adan R. Portable electronic bowling scoring device. 4,824,109, 4-25-89, Cl. 273-54.00C.
Cerveau, Genevieve: *See*—
Corriu, Robert; Cerveau, Genevieve; Chuit, Claude; Reye, Catherine; and Boudin, Alain, 4,835,316, Cl. 564-505.000.
Cerveau, Genevieve E.: *See*—
Corriu, Robert J.; Cerveau, Genevieve E.; Chuit, Claude G.; and Reye, Catherine, 4,841,084, Cl. 556-464.000.
Cerveny, John G.: *See*—
Anders, Robert J.; Cerveny, John G.; and Milkowski, Andrew L., 4,798,729, Cl. 426-326.000.
Anders, Robert J.; Cerveny, John G.; and Milkowski, Andrew L., 4,888,191, Cl. 426-281.000.

Cervini, Maria A.: *See—*
  Temperilli, Aldemio; Brambilla, Enzo; Gobbini, Mauro; and Cervini, Maria A., 4,843,073, Cl. 514-288.000.
Cerwin, Robert J.: *See—*
  Roshdy, Constance E.; Cerwin, Robert J.; and Alpern, Marvin, 4,884,681, Cl. 206-63.300.
  Roshdy, Constance E.; Cerwin, Robert J.; and Alpern, Marvin, 4,887,710, Cl. 206-63.300.
Cesa, Mark C.; Dubbert, Robert A.; and Burrington, James D., to Standard Oil Company, The. 1,6-hexanediamides from 3-pentenamides. 4,847,411, 7-11-89, Cl. 564-132.000.
Cesa, Mark C.; Rinz, James E.; and Kopp, Teodora T., to Standard Oil Company, The. Olefinic aryl oxime derivatives of hydantoins. 4,868,061, 9-19-89, Cl. 526-258.000.
Cesare Fiorucci S.p.A.: *See—*
  Imperi, Giovanni, 4,871,306, Cl. 425-437.000.
Cesare, Frank C., to Uniroyal Chemical Company, Inc. Elastomeric composition having increased ozone resistance. 4,843,128, 6-27-89, Cl. 525-193.000.
Cesare, Frank C.; Whelan, William P., Jr.; Petersen, Henno A.; Coolbaugh, Thomas S.; and Davis, Robert G., to Uniroyal Chemical Company, Inc. Carboxyl modified olefinic copolymer compositions. 4,888,393, 12-19-89, Cl. 525-285.000.
Cesaroni, Anthony: *See—*
  Shuster, Jerry P.; and Cesaroni, Anthony, 4,859,265, Cl. 156-292.000.
Cesaroni, Anthony J. Headers for thermoplastic panel heat exchangers. 4,871,017, 10-3-89, Cl. 165-170.000.
Cesco-Cancian, Anna M.: *See—*
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Ceska, Gary W., to Sartomer Company, Inc. Method of protecting or reconditioning a surface with a polymer concrete. 4,874,675, 10-17-89, Cl. 428-521.000.
Ceske Vysoke Uceni Technicke: *See—*
  Pavlansky, Rudolf; and Petrtyl, Miroslay, 4,878,919, Cl. 623-23.000.
Ceske vysoke uceni Technicke, rektorat: *See—*
  Kabatek, Jan; and Ditl, Pavel, 4,874,249, Cl. 366-339.000.
Ceske vysoke uceni technicke v Praze: *See—*
  Hamal, Karel; and Marek, Jan, 4,852,107, Cl. 372-19.000.
Ceskoslovenska akademie ved: *See—*
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  Holy, Antonin; and Rosenberg, Ivan, 4,808,716, Cl. 544-244.000.
  Kahovec, Jaroslav; and Porsch, Bedrich, 4,835,269, Cl. 544-69.000.
  Rypacek, Frantisek; Uher, Jan; and Drobnik, Jaroslav, 4,808,399, Cl. 424-2.000.
  Sulc, Jiri; Krcova, Zuzana; and Vacik, Jiri, 4,806,287, Cl. 264-1.100.
  Sulc, Jiri ; and Krcova, Zuzana, 4,834,753, Cl. 623-6.000.
  Svec, Frantisek; Bleha, Miroslav; Tennikova, Tatiana B.; and Belenkii, Boris G., 4,889,632, Cl. 210-500.280.
  Vitovec, Jaroslav; Cermak, Jan; and Smolik, Jiri , 4,874,409, Cl. 55-267.000.
  Wichterle, Otto, 4,846,832, Cl. 623-6.000.
  Wichterle, Otto, 4,874,234, Cl. 351-161.000.
  Wichterle, Otto, 4,886,350, Cl. 351-160.00H.
Ceste, Mario G., Sr., to Food Automation-Service Techniques, Inc. Temperature control system for cooking apparatus. 4,812,625, 3-14-89, Cl. 219-497.000.
Cesti, Pietro: *See—*
  Francalanci, Franco; Ricci, Marco; Cesti, Pietro; and Venturello, Carlo, 4,865,771, Cl. 562-567.000.
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  Romagnoli, Andrea, 4,828,851, Cl. 426-79.000.
  Romagnoli, Andrea, 4,853,071, Cl. 156-443.000.
  Romagnoli, Andrea, 4,856,257, Cl. 53-134.000.
  Romagnoli, Andrea, 4,885,896, Cl. 53-116.000.
Cetec AG: *See—*
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Cetec Corporation: *See—*
  Bingaman, Barrett P.; Krum, Richard G.; and Williams, James R., 4,858,808, Cl. 226-95.000.
Cetenko, Wiaczeslaw A.; Connor, David T.; Mullican, Michael D.; and Sorenson, Roderick J., to Warner-Lambert Company. Process for the preparation of n-1H-tetrazol-5-yl-2-pyrrole carboxamides. 4,824,958, 4-25-89, Cl. 548-251.000.
Cetenko, Wiaczeslaw A.: *See—*
  Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.
  Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,199, Cl. 514-411.000.
  Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,200, Cl. 514-418.000.
  Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,205, Cl. 514-456.000.
Cetinkaya, Ismail B., to UOP Inc. Low pressure mixing process for atomizing fluids. 4,861,459, 8-29-89, Cl. 208-157.000.
Cetinkaya, Ismail B., to UOP. Heat exchanger with backmix and flow through particle cooling. 4,881,592, 11-21-89, Cl. 165-104.160.
Cetinkaya, Ismail B.: *See—*
  Julian, Scott C.; and Cetinkaya, Ismail B., 4,859,430, Cl. 422-310.000.
Cetlin, Norman, to GAC International, Inc. Orthodontic appliances for dental arch expansion. 4,886,451, 12-12-89, Cl. 433-7.000.
Cetrone, Vincent B., to Warren Tool Corporation. Spring clamp. 4,813,107, 3-21-89, Cl. 24-557.000.
Cetronio, Antonio; Moretti, Sergio; and Di Bona, Maurizio, to Selenia Industrie Elettroniche Associate S.P.A. Photolithographic method of aligning a structure on the back of a substrate. 4,818,724, 4-4-89, Cl. 437-203.000.
Cetus Corporation: *See—*
  Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,865,974, Cl. 435-68.000.
  Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,870,017, Cl. 435-212.000.
  Chang, Shing, 4,816,396, Cl. 435-68.000.
  Chang, Shing, 4,822,739, Cl. 435-172.300.
  Chong, Kong-Teck, 4,879,111, Cl. 424-85.200.
  Ferris, Robert, 4,808,705, Cl. 530-391.000.
  Francis, Daniel L., 4,797,388, Cl. 514-23.000.
  Gelfand, David H.; Greenfield, Lawrence I.; and Lawyer, Frances C., 4,830,962, Cl. 435-68.000.
  Gelfand, David H.; Lawyer, Frances C.; and Stoffel, Susanne, 4,870,013, Cl. 435-68.000.
  Gelfand, David H.; Stoffel, Susanne; Lawyer, Frances C.; and Saiki, Randall K., 4,889,818, Cl. 435-194.000.
  Kaswasaki, Ernest S.; Ladner, Martha B.; Van Arsdell, Janelle N.; Wang, Alice M.; Ralph, Peter; Coyne, Mazie Y.; and Warren, Mary K., 4,847,201, Cl. 435-70.000.
  Levenson, Corey H.; and Mullis, Kary B., 4,803,297, Cl. 560-159.000.
  Linsley, Peter S.; Ochs, Vincent W.; Horn, Diane; Brown, Joseph P.; Ring, David B.; and Frankel, Arthur E., 4,803,169, Cl. 435-7.000.
  Mark, David F.; Lin, Leo S.; and Yu Lu, Shi-Da, 4,853,332, Cl. 435-252.330.
  McCabe, Dennis E.; Platt, Steven G.; and Paau, Alan S., 4,828,600, Cl. 71-76.000.
  McCormick, Francis P.; Wong, Gail L.; Clark, Robin; Arnheim, Norman; and Nitecki, Danute E., 4,798,787, Cl. 435-7.000.
  Mezei, Louis M.; Albom, Bradley S.; Coppock, Stan; Moehle, Stephen J.; Noorda, Brent S.; Widunas, Joseph T.; and Zeitlin, James A., 4,873,633, Cl. 364-413.080.
  Mullis, Kary B.; Erlich, Henry A.; Arnheim, Norman; Horn, Glenn T.; Saiki, Randall K.; and Scharf, Stephen J., 4,800,159, Cl. 435-172.300.
  Nitecki, Danute E.; and Moreland, Margaret, 4,797,491, Cl. 546-291.000.
  Nunberg, Jack H.; Doyle, Michael; Newell, Arthur; and White, Thomas, 4,818,769, Cl. 514-2.000.
  Shadle, Paula J.; Koths, Kirston E.; Moreland, Margaret; and Katre, Nandini, 4,847,325, Cl. 525-54.100.
  Stevens, Paul; Houston, L. L.; Koths, Kirston E.; Issell, Brian; and Zimmerman, Robert, 4,863,726, Cl. 424-85.200.
  Thomson, James W., 4,816,440, Cl. 514-12.000.
  Watson, Robert M.; Sheldon, Edward L., III; and Snead, Richard M., 4,822,731, Cl. 435-6.000.
  Williams, Fred G., 4,824,641, Cl. 422-100.000.
  Zimmerman, Robert; and Winkelhake, Jeffrey L., 4,863,727, Cl. 424-85.200.
Ceurvorst, Joseph G.: *See—*
  Lee, Fu M.; and Ceurvorst, Joseph G., 4,859,781, Cl. 548-555.000.
Cevasco, Albert A.: *See—*
  Maulding, Donald R.; and Cevasco, Albert A., 4,814,486, Cl. 560-44.000.
Ceylan, Ahmet: *See—*
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Cezanne, Rudolf: *See—*
  Tandler, Peter; and Cezanne, Rudolf, 4,841,107, Cl. 200-84.00C.
CF Systems Corporation: *See—*
  Kingsley, George; and Shallice, Christopher. 4,848,918, Cl. 366-262.000.
  Moses, John M., 4,877,530, Cl. 210-511.000.
CFC Fabrication Corporation: *See—*
  Shook, Hal C.; and Holland, Carmon D., 4,873,738, Cl. 14-1.000.
CFM Technologies, Inc.: *See—*
  McConnell, Christopher F., 4,856,544, Cl. 134-95.000.
CGEE Alsthom: *See—*
  Borne, Andre ; and Jusseau, Marcel, 4,802,725, Cl. 350-96.200.
  Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, 4,830,627, Cl. 439-586.000.
  Heng, Jean-Paul; Jusseau, Marcel; and Humbert-Labeaumaz, Alain, 4,832,439, Cl. 350-96.210.
  Heng, Jean-Paul; Ruiz, Ariel; and Boissonnet, Alain, 4,840,579, Cl. 439-395.000.
  Schaeffer, Maurice, 4,851,620, Cl. 200-14.000.
CH Guernsey & Company: *See—*
  Lowry Jr., William L.; Woods, Maurice G.; and Martin, Charles A., 4,882,903, Cl. 60-39.182.
Ch. Wauters & Fils: *See—*
  Wauters, Jacques G., 4,860,947, Cl. 229-103.000.
Cha, Tongil, to Pop-Limited. Non-toxic rubber-based composition and method for making the rubber based composition. 4,877,566, 10-31-89, Cl. 264-118.000.

Chabal, Maurice L. Training device for percussion musicians. 4,817,489, 4-4-89, Cl. 84-411.00P.
Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Graham, Donald W.; Heck, James V.; and Yang, Shu S., to Merck & Co., Inc. Antihypercholesterolemic beta-lactones. 4,806,564, 2-21-89, Cl. 514-449.000.
Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Girotra, Narindar M.; Graham, Donald W.; and Yang, Shu S., to Merck & Co., Inc. Antihypercholesterolemic β-lactones. 4,847,271, 7-11-89, Cl. 514-336.000.
Chabala, John C.: *See—*
  Christensen, Burton G.; Chabala, John C.; and Ratcliffe, Ronald W., 4,833,167, Cl. 514-210.000.
Chabani, Kamel: *See—*
  Prevot, Julien; Chabani, Kamel; Courgeon, Michel; Duquenoy, Denis; Duquenoy, Roger; and Le Navenec, Regis, 4,868,971, Cl. 29-602.100.
Chabbal, Jean-Joseph: *See—*
  Boucharlat, Gilles; Cazaux, Yvon; and Chabbal, Jean-Joseph, 4,819,072, Cl. 358-213.290.
Chabiera, Mieczyslaw: *See—*
  Piekarczyk, Wladyslaw; Berkowski, Marek; Jasiolek, Gabriel; Ryba-Romanowski, Witold; and Chabiera, Mieczyslaw, 4,820,445, Cl. 252-301.40R.
Chablais, Claude: *See—*
  Roch, Roger; Chablais, Claude; and Vitous, Vaclav, 4,847,775, Cl. 364-469.000.
Chabot, Ferdinand E., to Square D Company. Low resistance electrical connecting assembly. 4,810,213, 3-7-89, Cl. 439-825.000.
Chabot, Luc G.: *See—*
  Petty, Terry D.; and Chabot, Luc G., 4,850,744, Cl. 405-224.000.
Chabries, Douglas M., to Brigham Young University. Data compression method and apparatus for radar image formation and like data processing operations. 4,872,012, 10-3-89, Cl. 342-25.000.
Chackalamannil, Samuel, to Schering Corporation. Preparation of azetidinones via novel protected intermediates. 4,827,006, 5-2-89, Cl. 556-419.000.
Chacko, Tharayil; Soucie, Wayne; Tauer, Elroy J.; and Heimann, Robert, to Orscheln Co. Process for manufacturing corrosion resistant cable. 4,870,814, 10-3-89, Cl. 57-217.000.
Chaczyk, Adam W.; and Brown, Kelvin T., to Babcock Industries Inc. Manually controlled adjustable locking mechanism for a cable control system. 4,887,930, 12-19-89, Cl. 403-379.000.
Chado, Hiroyuki; Maeda, Tatsuo; and Nakano, Mitsusou, to Mazda Motor Corporation. Vehicle rear body structure. 4,875,733, 10-24-89, Cl. 296-195.000.
Chadwick, Arthur, to Essex Manufacturing Company. Ribbon cutting apparatus having multiple, independently driven groups of cutting blades. 4,819,528, 4-11-89, Cl. 83-13.000.
Chadwick, Charles: *See—*
  Abildgaard, William H.; Chadwick, Charles; Hotkowski, Peter; and Todaro, Frank A., 4,846,616, Cl. 412-7.000.
Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, to KLA Instruments Corporation. Method and apparatus for optical inspection of substrates. 4,877,326, 10-31-89, Cl. 356-394.000.
Chadwick, Curt H.: *See—*
  Rosenberg, Larry; Chadwick, Curt H.; and Brudny, Alex, 4,889,676, Cl. 264-255.000.
Chadwick, Dennis P.: *See—*
  Gibb, Allan W. M.; Gartner, Hans R.; Bauer, A. William; and Chadwick, Dennis P., 4,856,430, Cl. 102-307.000.
Chadwick, Donald T.; and Glass, Peter R., to American Seating Company. Chair seat-and-back support. 4,889,385, 12-26-89, Cl. 297-302.000.
Chadwick, Geoffrey A. Magnesium alloy. 4,886,557, 12-12-89, Cl. 148-3.000.
Chadwick Industries Pty. Limited: *See—*
  Mansell, William T., 4,803,111, Cl. 428-139.000.
Chadwick, Kirk M.; Halm, Roland L.; and Keyes, Brian R., to Dow Corning Corporation. Integrated process for alkylation and redistribution of halosilanes. 4,888,435, 12-19-89, Cl. 556-469.000.
Chadwick, William R. Hang glider launch vehicle. 4,824,047, 4-25-89, Cl. 244-2.000.
Chaffee, Brad A.; and Morse, George E., to Gates Rubber Company, The. Multi-plenum air float for load transportation and amusement ride system. 4,843,969, 7-4-89, Cl. 104-23.200.
Chaffee, Bradley A.; Morse, George; and Payne, Roger, to Gates Rubber Company, The. Air pallet and materials moving system. 4,815,926, 3-28-89, Cl. 414-676.000.
Chaffee, Edwin G., to American Laser Corporation. Cold welded laser mirror assembly. 4,803,697, 2-7-89, Cl. 372-107.000.
Chaffey, Wayne P.; Vaxmonsky, Joseph J.; Wagner, David L.; and Wiedmeyer, Warren G. Caulking method for forming a leak free cup. 4,836,400, 6-6-89, Cl. 220-81.00R.
Chaffin, Roger J., deceased (by Davis, Nancy, legal representative); Dawson, Ralph; Fritz, Ian J.; Osbourn, Gordon C.; and Zipperian, Thomas E., to United States of America, Energy. Field-effect transistor having a superlattice channel and high carrier velocities at high applied fields. 4,797,716, 1-10-89, Cl. 357-22.000.
Chaffoteaux Et Maury: *See—*
  Lauro, Fernand; Marvillet, Christophe; Mayoussier, Patrick; Amandjules, Michel; and Porcher, Jean-Michel, 4,850,427, Cl. 165-134.100.
  LeMer, Joseph, 4,887,963, Cl. 431-354.000.
Chagnard, Harold A., Jr.; Brayden, Mark K.; and LeBlanc, Thomas R., to Dow Chemical Company, The. Treatment for water systems to inhibit corrosion and scale formation. 4,869,827, 9-26-89, Cl. 210-700.000.
Chagnot, Bruce J., to Stirling Technology, Inc. Apparatus and method for the speed or power control of stirling type machines. 4,856,280, 8-15-89, Cl. 60-522.000.
Chagnot, Philippe; and Schreiber, Jean-Pierre, to Soletanche. Drilling machine for digging trenches in the ground. 4,800,967, 1-31-89, Cl. 175-96.000.
Chahabadi, Ziaedin; and Prenner, Christian, to kabelmetal electro Gesellschaft mit beschrankter Haftung. Circuit arrangement for the transmission of communication signals. 4,797,874, 1-10-89, Cl. 370-16.000.
Chahabadi, Ziaedin; Brahms, Martin; and Wittur, Olaf, to kabelmetal electro Gesellschaft mit beschrankter Haftung. Circuit for producing an alternating voltage. 4,799,138, 1-17-89, Cl. 363-21.000.
Chahin, Eduardo A. Noise and recoil suppressor apparatus for high powered rifles. 4,869,151, 9-26-89, Cl. 89-14.300.
Chahine, Richard: *See—*
  Bose, Tapan K.; Chahine, Richard; Marchildon, Louis; and St-Arnaud, Jean-Marie, 4,856,320, Cl. 73-30.000.
Chai, Bruce H.; Lai, Shui T.; and Long, Margaret N., to Allied-Signal Inc. Cr-doped scandium borate laser. 4,841,530, 6-20-89, Cl. 372-41.000.
Chai, Bruce H.: *See—*
  Hou, Janpu; Chai, Bruce H.; Badding, David D.; West, Gary A. and Marcus, Stephen L., 4,889,993, Cl. 250-365.000.
Chai, Mong-Hsiang. Walker. 4,884,799, 12-5-89, Cl. 272-70.300.
Chai, Sie-Yearl: *See—*
  Shepherd, Robin G.; Chai, Sie-Yearl; Lichty, Maynard E.; and Milowsky, Arnold S., 4,812,574, Cl. 548-151.000.
  Shepherd, Robin G.; Chai, Sie-Yearl; Lichty, Maynard E.; and Milowsky, Arnold S., 4,889,936, Cl. 548-149.000.
Chai-Tech Corporation: *See—*
  Dori, Zvi; Gershon, David; and Scharf, Yehuda, 4,866,053, Cl. 514-184.000.
  Dori, Zvi; and Gershon, David, 4,866,054, Cl. 514-184.000.
Chai, Teo C., to Motorola, Inc. Single turn ferrite rod antenna and method. 4,814,782, 3-21-89, Cl. 343-787.000.
Chaillot, Georges, to Francelco. Electric contact terminal. 4,834,681, 5-30-89, Cl. 439-856.000.
Chaillou, Michel B. Posture belt. 4,871,998, 10-3-89, Cl. 340-573.000.
Chaillout, Jean-Jacques: *See—*
  Briguet, Andre; Chaillout, Jean-Jacques; and Jeandey, Christian, 4,833,410, Cl. 324-318.000.
Chain-Tool Company, Inc.: *See—*
  Snow, A. Ray, 4,831,877, Cl. 73-290.00R.
Chainard, Armand, to Manufacture Francaise de Brosserie Industrielle. Quick packing for displaying in large-scale distribution outlets and for transporting products as flue-brushes. 4,825,006, 5-2-89, Cl. 206-362.400.
Chaintreuil, Rene, to Automobiles Peugeot; and Automobiles Citroen. Clamp for fastening a carpet on a floor. 4,875,250, 10-24-89, Cl. 16-4.000.
Chaiton, Jonathan A.: *See—*
  Allen, Standish K.; Chaiton, Jonathan A.; and Downing, Sandra L. 4,834,024, Cl. 119-4.000.
Chajuk, Igor A.: *See—*
  Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; Oleinik, Viktor N. Sushkov, Yaroslav P.; Lukin. Evgeny G.; Sokol, Petr G., Chajuk, Igor A.; Lipatov, Jury S.; Veselovsky, Roman A.; and Kiselevsky, Boris A., 4,865,673, Cl. 156-156.000.
Chak, Alexander: *See—*
  Chak, Maryan; and Chak, Alexander, 4,874,496, Cl. 204-229.000.
Chak, Maryan. Electrically heated fish tank unit. 4,839,498, 6-13-89, Cl. 219-311.000.
Chak, Maryan; and Chak, Alexander. Device for silverizing drinking water. 4,874,496, 10-17-89, Cl. 204-229.000.
Chakrabarti, Kirti B.; and English, George J., to GTE Products Corporation. Heat shield for low profile automotive headlight. 4,814,959, 3-21-89, Cl. 362-294.000.
Chakrabarti, Kirti B.: *See—*
  Hough, Harold L.; English, George J.; and Chakrabarti, Kirti B. 4,804,878, Cl. 313-113.000.
Chakrabarti, Paritosh M.; Crawford, Roger A.; and Juda, Robert H., to PPG Industries, Inc. Bromophor composition. 4,818,532, 4-4-89, Cl. 424-150.000.
Chakrabarti, Paritosh M.: *See—*
  Juda, Robert H.; Chakrabarti, Paritosh M.; and Crawford, Roger A., 4,844,899, Cl. 424-664.000.
Chakraborty, Asok; Urlaub, Herbert; Grof, Franz; and Cosack, Klaus, to Schleicher & Schuell GmbH. Disposable filter unit with filter support means at both sides of the filter element. 4,874,513, 10-17-89, Cl. 210-321.840.
Chakraborty, Utpal: *See—*
  Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; and Desai, Rohit, 4,839,369, Cl. 514-314.000.
  Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; Desai, Rohit; and Lee, Thomas D-Y, 4,874,769, Cl. 514-314.000.
Chakravarty, Abhijit J. M.; Gangsaas, Dagfinn; and Moore, John B., to Boeing Company, The. Decentralized cautious adaptive control system. 4,879,643, 11-7-89, Cl. 364-148.000.
Chakravarty, Prasun K.: *See—*
  Patchett, Arthur A.; Greenlee, William J.; Parsons, William H., and Chakravarty, Prasun K., 4,839,357, Cl. 514-235.800.

- Chakravarty, Rajat: *See—*
  - Barrette, Denis; Chakravarty, Rajat; and Loiselle, Andre, 4,862,926, Cl. 139-383.00A.
- Chakroff, Christopher N.: *See—*
  - Chakroff, Richard O.; and Chakroff, Christopher N., 4,871,185, Cl. 280-477.000.
- Chakroff, Richard O.; and Chakroff, Christopher N., to Middleton Enterprises, Inc. Universal trailer hitching alignment guide. 4,871,185, 10-3-89. Cl. 280-477.000.
- Chakvetadze, Revaz A.: *See—*
  - Kusov, Nikolai F.; Pshenichny, Valentin I.; Chakvetadze, Revaz A.; and Krekker, Gennady Y., 4,864,933, Cl. 102-312.000.
- Chalabian, Jack S. Vending machine with controlled return access door. 4,844,567, 7-4-89, Cl. 312-139.000.
- Chalain, Francois: *See—*
  - Berret, Jean; and Chalain, Francois, 4,829,927, Cl. 114-90.000.
- Chalasani, Rao M.: *See—*
  - Kimbrough, Scott S.; Chalasani, Rao M.; and Hallman, Steven J., 4,828,061, Cl. 180-79.100.
- Chalat, Kazimierz. Organizer chest. 4,844,279, 7-4-89, Cl. 220-22.000.
- Chalberg, Philip E.; Gordbegli, Manochehr; and Kenchel, Paul N., to Hydrabaths, Inc. Combined pneumatic switch and air control for use in whirpool baths. 4,823,413, 4-25-89, Cl. 4-544.000.
- Chalcographi Druck U. Papierverarbeitung Reingold & Wilck KG (GmbH): *See—*
  - Wilck, Karl H., 4,821,439, Cl. 40-638.000.
- Chaldar, Inc.: *See—*
  - Johnson, John W., 4,878,676, Cl. 277-24.000.
- Chaleat, Bernard; and Vaxelaire, Philippe, to Extramet Industrie S.A. Method and device for the granulation of a molten material. 4,818,279, 4-4-89, Cl. 75-0.50C.
- Chaleat, Bernard: *See—*
  - Bienvenu, Gerard-Pierre; Chaleat, Bernard; Dubruque, Dominique; Girardot, Jean-Claude; and Vaxelaire, Philippe, 4,820,339, Cl. 75-0.5BB.
- Chalemin, Glen E.: *See—*
  - Blakely-Fogel, Debora A.; Chalemin, Glen E.; Cummings, Stephen P.; and Jones, Carolyn K., 4,864,492, Cl. 364-200.000.
- Chalendard, Herve , to U.S. Philips Corp. Apparatus for establishing data transfers with a portable electronic card. 4,795,897, 1-3-89, Cl. 235-482.000.
- Chales, Bernard: *See—*
  - Pipon, Yves; and Chales, Bernard, 4,882,943, Cl. 74-409.000.
- Chalfant, Richard W.: *See—*
  - Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,989, Cl. 300-21.000.
  - Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,990, Cl. 300-21.000.
- Chalfant, Robert D.: *See—*
  - Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,989, Cl. 300-21.000.
  - Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,990, Cl. 300-21.000.
- Chalfant, Terrill L.: *See—*
  - Smoak, Copley H.; and Chalfant, Terrill L., 4,852,299, Cl. 47-42.000.
- Chalilpoyil, Purush; Parsen, Frank E.; and Wang, Chih-Chung, to Duracell Inc. Cell corrosion reduction. 4,840,644, 6-20-89, Cl. 29-623.100.
- Chalkley, Hatcher E.: *See—*
  - Holmes, Jerry D.; and Chalkley, Hatcher E., 4,807,256, Cl. 375-97.000.
- Chall, Louis E., Jr., to Ford Aerospace & Communications Corporation. Interconnection system for integrated circuit chips. 4,858,072, 8-15-89, Cl. 361-388.000.
- Challberg, Sharon S.; and Kiser, Randall, to Life Technologies, Inc. Reaction tray for membrane hybridizations. 4,822,742, 4-18-89, Cl. 435-310.000.
- Challener, Paul: *See—*
  - Welsh, William J.; Fenn, Brian A.; and Challener, Paul, 4,841,575, Cl. 381-36.000.
- Challenge Bag California, Inc.: *See—*
  - Stroh, Alvin L.; and Pilon, Terry C., 4,840,336, Cl. 248-97.000.
  - Stroh, Alvin L.; and Pilon, Terry C., 4,881,577, Cl. 140-71.00R.
- Challenge Cook Bros., Inc.: *See—*
  - Dongelmans, Anthony A., 4,835,882, Cl. 34-131.000.
- Challis, Brian, to Challis Stairways, Inc. Boring jig apparatus. 4,865,496, 9-12-89, Cl. 408-115.00R.
- Challis, Brian. Component fastening system. 4,883,383, 11-28-89, Cl. 403-407.100.
- Challis Stairways, Inc.: *See—*
  - Challis, Brian, 4,865,496, Cl. 408-115.00R.
- Challoner, A. Dorian; and Poeschel, Robert L., to Hughes Aircraft Company. Spacecraft with modulated thrust electrostatic ion thruster and associated method. 4,825,646, 5-2-89, Cl. 60-202.000.
- Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., to Hughes Aircraft Company. Satellite attitude determination and control system with agile beam sensing. 4,883,244, 11-28-89, Cl. 244-171.000.
- Chalmers, Brian D.; Mackenzie, Colin A.; and Kapoor, Kishore K., to Rodime PLC. Rotary voice coil micro-hard disk drive system. 4,890,174, 12-26-89, Cl. 360-78.120.
- Chalmers, David W.: *See—*
  - Sobodos, David W.; and Chalmers, David W., 4,838,592, Cl. 293-109.000.
- Chalon, Jean-Claude, to Anciens Etablissements Caffier & Barreau. Cast iron molds for glass making and method of making. 4,830,656, 5-16-89, Cl. 65-374.120.
- Chalupa, Rudolf P.: *See—*
  - Berg, Joseph F.; Chalupa, Rudolf P.; and Pokala, Prabhakar, 4,850,008, Cl. 379-93.000.
- Chalupnik, James D.; Garbini, Joseph L.; and Jorgensen, Jens E., to Washington Technology Center. Gap width probe and method. 4,841,224, 6-20-89, Cl. 324-61.00P.
- Chamaret, Solange: *See—*
  - Montagnier, Luc; Chamaret, Solange; and Gruest, Jacqueline, 4,798,797, Cl. 435-235.000.
- Chamayou dit Felix, Gerard. Device for joining tubes or bars. 4,806,041, 2-21-89, Cl. 403-171.000.
- Chambaere, Daniel, to N.V. Bekaert S.A. Welding wire. 4,841,119, 6-20-89, Cl. 219-146.100.
- Chambaere, Daniel, to N.V. Bekaert S.A. Method of testing for corrosion. 4,863,571, 9-5-89, Cl. 204-1.00T.
- Chambaere, Daniel: *See—*
  - Coppens, Wilfried; Chambaere, Daniel; and Lievens, Hugo, 4,883,722, Cl. 428-625.000.
- Chambellan, Domonique: *See—*
  - Tanguy, Jean-Claude; Chambellan, Domonique; and Pommet, Raymond, 4,856,044, Cl. 378-198.000.
- Chamber Ridge Pty. Ltd.: *See—*
  - Lucas, Michael A.; and Hughes, Terry C., 4,824,249, Cl. 356-311.000.
- Chamberlain, Craig H.: *See—*
  - Bradley, Norman F.; and Chamberlain, Craig H., 4,886,218, Cl. 241-294.000.
- Chamberlain, Donald N. Compressed air delivery system. 4,830,056, 5-16-89, Cl. 137-899.400.
- Chamberlain Group, Inc., The: *See—*
  - Chang, James S.; and Clark, Scott M., 4,885,872, Cl. 49-362.000.
  - Ferguson, Edward H.; and Iha, Kiyoshi, 4,872,239, Cl. 16-64.000.
  - Willmott, Colin B.; and Chang, James S., 4,794,731, Cl. 49-199.000.
- Chamberlain, Keith R.: *See—*
  - Brinegar, John R.; Chamberlain, Keith R.; Vresics, James J.; and DePue, William J., 4,832,112, Cl. 164-499.000.
- Chamberlain Manufacturing Corporation: *See—*
  - Wojciak, Bernard J., Jr., 4,806,930, Cl. 340-825.690.
- Chamberlain, Peter; and Couldwell, Simon, to Allied Colloids Limited. Silage production. 4,822,620, 4-18-89, Cl. 426-2.000.
- Chamberlain, Richard W.: *See—*
  - Sartain, Stephen C.; and Chamberlain, Richard W., 4,856,622, Cl. 188-170.000.
- Chamberlain, Winthrop D.: *See—*
  - Liberman, Barnet L., 4,840,034, Cl. 62-64.000.
  - Liberman, Barnet L., 4,840,035, Cl. 62-64.000.
- Chamberlin, David B.; Dwyer, John J.; Grey, Suzanne N.; Jachmann, Emil F.; and Saltzman, Jeremy, to Dictaphone Corporation. Modular dictation/transcription system. 4,817,127, 3-28-89, Cl. 379-67.000.
- Chamberlin, David B.; D'Agosto, Nicholas A., III; and Hoffman, Ernest D., to Dictaphone Corporation. Multi-line access module for telephone set. 4,817,132, 3-28-89, Cl. 379-165.000.
- Chamberlin, David B.: *See—*
  - D'Agosto, Nicholas A., III; Chamberlin, David B.; Su, Jy-Hong; Jachmann, Emil F.; and Grey, Suzanne N., 4,860,339, Cl. 379-67.000.
  - Dwyer, John J.; and Chamberlin, David B., 4,809,116, Cl. 360-137.000.
  - Jachmann, Emil F.; Saltzman, Jeremy; and Chamberlin, David B., 4,853,952, Cl. 379-88.000.
- Chamberlin, Davis W.; Leonard, Vurnen J.; and Koizumi, Osamu, to Minnesota Mining and Manufacturing Company; and Sony Corporation. Disk restraint. 4,879,621, 11-7-89, Cl. 360-133.000.
- Chamberlin, Davis W.: *See—*
  - Ahlberg, Carl S.; Chamberlin, Davis W.; Bushong, Jerold W.; Oliveira, Robert J.; and Kolpe, Vasant V., 4,880,076, Cl. 181-130.000.
  - Niles, Gerald J.; Chamberlin, Davis W.; and Ahlberg, Carl S., 4,815,600, Cl. 206-444.000.
- Chamberlin, John M. Thermally-activated drip valve. 4,809,727, 3-7-89, Cl. 137-62.000.
- Chamberlin, John M. Thermally-activated drip valve. 4,852,601, 8-1-89, Cl. 137-62.000.
- Chamberlin, Louis D., Jr.; and Chamberlin, Mark D. Folding mechanic's creeper. 4,889,352, 12-26-89, Cl. 280-32.600.
- Chamberlin, Mark D.: *See—*
  - Chamberlin, Louis D., Jr.; and Chamberlin, Mark D., 4,889,352, Cl. 280-32.600.
- Chamberlin, Thomas A.; and Stevens, James C., to Dow Chemical Company, The. Regeneration of an organouranium catalyst. 4,820,671, 4-11-89, Cl. 502-53.000.
- Chambers, Brent V.: *See—*
  - Cornie, James A.; Kattamis, Theodoulos; Chambers, Brent V.; Bond, Bruce E.; and Varela, Raul H., 4,853,182, Cl. 420-129.000.
- Chambers, David C., to Minnesota Mining and Manufacturing Company. Article removal control system. 4,881,061, 11-14-89, Cl. 340-568.000.
- Chambers, Derek; and Bortkiewicz, Andrzej, to Spellman High Voltage Electronics Corp. Multi-mode control systems for high-frequency resonant inverters. 4,805,081, 2-14-89, Cl. 363-96.000.
- Chambers, George M.: *See—*
  - Crew, Albert W.; Neuner, James A.; Remley, Gilbert W.; Hager, Robert E.; Chambers, George M.; Delava, Eric A.; Wilbur, Susan A.; Kenny, Thomas J.; and Sutherland, James F., 4,804,515, Cl. 376-216.000.
- Chambers, James W., to Atwood Industries, Inc. Fifth wheel hitch. 4,826,199, 5-2-89, Cl. 280-434.000.
- Chambers, John E.; and Joye, John D., to PPG Industries, Inc. Apparatus and method of washing air. 4,810,268, 3-7-89, Cl. 55-84.000.
- Chambers, John P., to British Broadcasting Corporation. CRT video display device with automatically adjustable scanning amplitude. 4,864,405, 9-5-89, Cl. 358-180.000.
- Chambers, Keith W., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Method and apparatus for on-sine monitoring of wear in machinery. 4,841,244, 6-20-89, Cl. 324-204.000.
- Chambers, Laura J.: *See—*
  - Mai, Jimbin; Chambers, Laura J.; and McDonald, Richard E., 4,839,187, Cl. 426-542.000.
- Chambers, Michael K.: *See—*
  - Sage, Ian C.; Chambers, Michael K.; Hittich, Reinhard; and Weber, Georg, 4,886,621, Cl. 252-299.610.
- Chambers, Randall P.; Dzung, John C.; and Gatto, Donald F., to Motorola, Inc. Self-locking, anti-rotational retaining washer for a "D" shaped shaft. 4,836,708, 6-6-89, Cl. 403-358.000.
- Chambers, Richard D. Polyether compounds and their preparation. 4,877,905, 10-31-89, Cl. 568-615.000.
- Chambers, Ronald E., to Western Atlas International, Inc. Method for identifying anomalous noise amplitudes in seismic data. 4,866,679, 9-12-89, Cl. 367-47.000.
- Chambers, Scott W.: *See—*
  - Angell, Barbara L.; Ash, Charles E.; and Chambers, Scott W., 4,832,782, Cl. 156-382.000.
- Chambers, Stephen T.; and Luce, Stephen T., to Intel Corporation. Dual glass contact process. 4,824,767, 4-25-89, Cl. 430-313.000.
- Chamblee, William A.; and Williamson, Raymond. Card game. 4,807,885, 2-28-89, Cl. 273-292.000.
- Chambliss, Patricia C., to Whirlpool Corporation. Static discharger for refrigerator external actuator lever. 4,807,086, 2-21-89, Cl. 361-212.000.
- Chambon, Jean-Pierre: *See—*
  - Bourguignon, Jean-Jacques; Chambon, Jean-Pierre; and Wermuth, Camille G., 4,810,705, Cl. 514-248.000.
- Chambonnet, Bernard, to La Spirotechnique Industrielle et Commerciale. Compressed-air breathing apparatus for underwater diving. 4,798,202, 1-17-89, Cl. 128-204.260.
- Chambre, Jacques, to Compagnie d'Informatique Militaire Spatiale et Aeronautique. Baking oven for printed circuit substrates. 4,830,608, 5-16-89, Cl. 432-11.000.
- Chambrette, Jean-Paul; de Jaeger, Roger; and Potin, Philippe, to Atochem. Preparation of polychlorophosphazene. 4,810,480, 3-7-89, Cl. 423-300.000.
- Chambron, Edmond: *See—*
  - Staron, Alain; Claudepierre, Christian; Micheron, Francois; and Chambron, Edmond, 4,856,042, Cl. 378-147.000.
- Chamieh, Naji. Contoured cleaning device. 4,859,102, 8-22-89, Cl. 401-17.000.
- Chamla, Claude; and Speakman, John G., to BP Chemicals Limited. Process for polymerising ethylene using a chromium oxide catalyst. 4,879,359, 11-7-89, Cl. 526-105.000.
- Chamness, Leland D.: *See—*
  - Pastrone, John; Chamness, Leland D.; Fellingham, George H.; and Jimison, Walter L., 4,818,186, Cl. 417-63.000.
- Chamorra, Felix A. S.: *See—*
  - Polanco, Domingo R.; Bueno, Cebers O.; Salazar, Ramon; and Chamorra, Felix A. S., 4,832,701, Cl. 44-51.000.
- Chamot, Jean P.: *See—*
  - Cook, Andre; and Chamot, Jean P., 4,875,437, Cl. 123-411.000.
- Chamourian, Arto, to Hamelin Group Inc. Plastic container lid. 4,886,184, 12-12-89, Cl. 220-306.000.
- Champ, Larry B.: *See—*
  - Porter, Curtis H.; Tayon, Jeffrey E.; and Champ, Larry B., 4,841,798, Cl. 74-501.50R
- Champ, Robert B.; Shattuck, Meredith D.; and Stremel, Donald A., to International Business Machines Corporation. Organic photoconductors with improved wear. 4,889 784, 12-26-89, Cl. 430-58.000.
- Champa, Gary; and Jones, Joseph E. Grip joints for plastic ducts. 4,819,972, 4-11-89, Cl. 285-331.000.
- Champagne, Joel; and Champagne, Rejean. Ladder bracket. 4,880,200, 11-14-89, Cl. 248-547.000.
- Champagne, Patrick J.; and Rowden, David L., to Verbatim Corp. Self-positioning write protect mechanism for a cartridge. 4,805,061, 2-14-89, Cl. 360-133.000.
- Champagne, Patrick J.: *See—*
  - Ashe, Philip R.; Carey, James R.; Champagne, Patrick J.; and Rowden, David L., 4,858,050, Cl. 360-133.000.
- Champagne, Raymond P., to Jamesbury Corporation. Ball control valve. 4,881,718, 11-21-89, Cl. 251-209.000.
- Champagne, Rejean: *See—*
  - Champagne, Joel; and Champagne, Rejean, 4,880,200, Cl. 248-547.000.
- Champagne, Venerand R. Frame for supporting stairs or the like. 4,875,315, 10-24-89, Cl. 52-189.000.
- Champagne, Wendel J. Mounting clip for installing siding. 4,854,101, 8-8-89, Cl. 52-520.000.
- Champain, Roger; and Theurant, Gilbert, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process and device for supplying respiratory oxygen. 4,827,922, 5-9-89, Cl. 128-204.210.
- Champain, Roger, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Device for controlling the pressure of a fluid and injection system for this fluid employing this device. 4,848,332, 7-18-89, Cl. 128-204.210.
- Champane, Dean J. Motor vehicle sunshield. 4,878,708, 11-7-89, Cl. 296-97.700.
- Champetier, Robert J., to Hughes Aircraft Company. Self contained surface contamination sensor for detecting external particulates and surface discontinuities. 4,808,813, 2-28-89, Cl. 250-227.000.
- Champetier, Robert J., to Hughes Aircraft Company. Method and apparatus for atomic beam irradiation. 4,846,425, 7-11-89, Cl. 244-158.00R.
- Champetier, Robert J., to Hughes Aircraft Company. Barrier for molecular contaminates. 4,861,445, 8-29-89, Cl. 204-157.300.
- Champiau, Robert, to Bull S.A. Device for detecting cutoff and short circuit defects in at least one electrical circuit portion. 4,890,183, 12-26-89, Cl. 361-86.000.
- Champie, Canyon D.: *See—*
  - Champie, James M., III; and Champie, Canyon D., 4,807,921, Cl. 296-98.000.
- Champie, James M., III; and Champie, Canyon D. Sliding cover for truck bed. 4,807,921, 2-28-89, Cl. 296-98.000.
- Champigny, Patrick. Telescopic crutch and walking stick. 4,809,725, 3-7-89, Cl. 135-75.000.
- Champion, Alexander B.; and Collins, Michael S., to Miles Laboratories, Inc. Blood bag system incorporating quinolone carboxylic, acid derivatives. 4,850,993, 7-25-89, Cl. 604-408.000.
- Champion, C. Paul, III; Libero, Robert W.; and Palmer, Walter J. Telephone accessible information system. 4,812,843, 3-14-89, Cl. 340-905.000.
- Champion Chemicals, Inc.: *See—*
  - Naraghi, Ali R., 4,880,609, Cl. 423-226.000.
- Champion, Clive A., to Watercolour Bath Products, Inc. Fillers for use in casting marble products. 4,839,394, 6-13-89, Cl. 521-55.000.
- Champion, Clive A., to Watercolour Bath Products, Inc. Fillers for use in casting marble products and cast marble products formed therefrom. 4,849,456, 7-18-89, Cl. 521-54.000.
- Champion International Corporation: *See—*
  - Brenholdt, Irving R., 4,838,692, Cl. 356-343.000.
  - Fleck, John A., 4,867,846, Cl. 162-246.000.
  - Jokinen, Donald R., 4,865,358, Cl. 285-64.000.
  - Phillips, Robert D., 4,802,620, Cl. 229-125.420.
  - Thompson, Kenneth P.; and Ihde, Richard C., 4,835,025, Cl. 428-34.200.
- Champion, James R.; and Sartin, Darrel E., to International Business Machines Corporation. Toner concentration control method and apparatus. 4,829,336, 5-9-89, Cl. 355-246.000.
- Champion Road Machinery Limited: *See—*
  - Fifer, Jerry R., 4,821,837, Cl. 180-334.000.
  - Ross, Murray A.; Adams, Gordon L.; and Sully, Michael A., 4,852,659, Cl. 172-789.000.
- Champion Spark Plug Company: *See—*
  - Hadtke, Frederick B., 4,807,747, Cl. 206-327.000.
  - Lenk, Michael, 4,826,462, Cl. 445-7.000.
  - Manning, William R., 4,879,260, Cl. 501-32.000.
  - Nemeth, Joseph; and Kowalski, Charles I., 4,887,795, Cl. 252-511.000.
  - Rothenbuhler, Tom L., 4,814,664, Cl. 313-131.00R.
- Champion Spark Plug Europe S.A.: *See—*
  - Beneteau, Christian; and Guerard, Norbert, 4,796,326, Cl. 15-250.420.
  - Beneteau, Christian, 4,805,254, Cl. 15-250.320.
  - Guerard, Norbert, 4,831,679, Cl. 15-250.210.
- Champleboux, Jacques J.: *See—*
  - Bechu, Jean-Pierre; and Champleboux, Jacques J., 4,858,535, Cl. 105-15.000.
- Champlin, George B.; and Swan, Charles F., to New England Braiding, Inc. Diagonally reinforced mechanical packing. 4,802,398, 2-7-89, Cl. 87-8.000.
- Champlin, Keith S. Electronic battery testing device. 4,816,768, 3-28-89, Cl. 324-428.000.
- Champlin, Keith S. Electronic battery testing device with automatic voltage scaling. 4,825,170, 4-25-89, Cl. 324-436.000.
- Champlin, Keith S. Electric battery testing device with automatic voltage scaling to determine dynamic conductance. 4,881,038, 11-14-89, Cl. 324-426.000.
- Champonnois, Michel, to CLE. Method for transforming a rotary kiln intended in particular for the manufacture of cement, kiln obtained by this method and burning line equipped with this kiln. 4,880,379, 11-14-89, Cl. 432-3.000.
- Champseix, Henri; and Champseix, Serge, to A.B.X. Device for cleaning a liquid sample taking needle. 4,817,443, 4-4-89, Cl. 73-864.220.
- Champseix, Serge: *See—*
  - Champseix, Henri; and Champseix, Serge, 4,817,443, Cl. 73-864.220.
- Chamzas, Christodoulos; and Duttweiler, Donald L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Progressive transmission of high resolution two-tone facsimile images. 4,870,497, 9-26-89, Cl. 358-426.000.
- Chamzas, Christodoulos, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Edge decomposition for the transmission of high resolution facsimile images. 4,873,577, 10-10-89, Cl. 358-426.000.
- Chan, Aaron; Pierce, Ben; and Shafto, Leslie, to Harris Corp. Direct access test unit for central office. 4,841,560, 6-20-89, Cl. 379-29.000.

Chan, Adrian: *See—*
Richman, Jay L.; and Chan, Adrian, 4,809,302, Cl. 375-107.000.

Chan, Albert S. C.; Coleman, James P.; and Wagner, Grace M., to Monsanto Company. Asymmetric hydrogenolysis of epoxides. 4,870,208, 9-26-89, Cl. 562-579.000.

Chan, C. S.; Hanson, Gary E.; and Nelson, Terry M., to Hewlett-Packard Company. Multi-chamber ink jet recording head for color use. 4,812,859, 3-14-89, Cl. 346-140.00R.

Chan, C. S.; Meyer, Wesley L.; and Trueba, Kenneth E., to Hewlett-Packard Company. Plastic orifice plate for an ink jet printhead and method of manufacture. 4,829,319, 5-9-89, Cl. 346-1.100.

Chan, C. S., to Hewlett-Packard Company. Off board ink supply system and process for operating an ink jet printer. 4,831,389, 5-16-89, Cl. 346-140.00R.

Chan, Carl; and Feustel, Edwar A., to Prime Computer, Inc. Memory management system improving the efficiency of fork operations. 4,812,981, 3-14-89, Cl. 364-200.000.

Chan, Chi-Kong J.: *See—*
Geisler, C. Daniel; and Chan, Chi-Kong J., 4,809,708, Cl. 128-746.000.

Chan, Chi-Ming; Barma, Pradeep; Chazan, David; and Liu, David, to Raychem Corporation. Electrical devices. 4,801,785, 1-31-89, Cl. 219-549.000.

Chan, Chi-Ming: *See—*
Barma, Pradeep; and Chan, Chi-Ming, 4,866,452, Cl. 343-704.000.

Chan, David A., to Advanced Micro Devices, Inc. Multi-way polling, branching and waiting opcode. 4,868,469, 9-19-89, Cl. 318-254.000.

Chan, Dominic M.; El-Sayed, Lyla M.; Thanawalla, Chandrakant B.; and Trout, Torence J., to Du Pont de Nemours, E. I., and Company. Glycerides as charge directors for liquid electrostatic developers. 4,886,726, 12-12-89, Cl. 430-115.000.

Chan, Dominic M.: *See—*
Tufano, Thomas P.; and Chan, Dominic M., 4,804,621, Cl. 430-567.000.

Chan, Ellery Y.; and Sterling, Thomas L., to Harris Corporation. Method and apparatus for monitoring electronic apparatus activity. 4,872,121, 10-3-89, Cl. 364-551.010.

Chan, Eric Y., to Boeing Company, The. Method of making a monolithic interleaved LED/PIN photodetector array. 4,879,250, 11-7-89, Cl. 437-3.000.

Chan, Francis M.: *See—*
Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.

Chan, Fred N.; and Wensley, Gerald J., to Ford Aerospace & Communications Corporation. Digital first order hold circuit. 4,829,301, 5-9-89, Cl. 341-122.000.

Chan, Gilbert Y. H.: *See—*
Hazel, Robert L.; and Chan, Gilbert Y. H., 4,888,759, Cl. 369-110.000.

Chan, Hakchill: *See—*
Kay, Robert E.; Chan, Hakchill; Ju, Fred; and Bray, Burton A., 4,846,926, Cl. 156-612.000.

Chan, Hardy W.: *See—*
Nestor, John J., Jr.; Moffatt, John G.; and Chan, Hardy W., 4,859,765, Cl. 530-333.000.

Chan, Harry; and Yi, Basilio. Extruder screw with balanced flights of different functional sections. 4,798,472, 1-17-89, Cl. 366-89.000.

Chan, Harry; and Yi, Basilio. Pipe extrusion die with a cooled and vacuumed additional mandrel. 4,808,098, 2-28-89, Cl. 425-72.100.

Chan, Harry; and Yi, Basilio. Hydraulic clamping unit for a molding apparatus. 4,822,274, 4-18-89, Cl. 425-450.100.

Chan, Hing W., to Hing Wah Houseware Manufactory Ltd. Controllable temperature grid assembly for food. 4,798,132, 1-17-89, Cl. 99-331.000.

Chan, Hugo W. K.: *See—*
Cheung, Robin W.; Ho, Bernard W. K.; Chen, Hsiang-Wen; and Chan, Hugo W. K., 4,796,081, Cl. 357-71.000.

Chan, John K.; Reichard, Gordon E.; and Sirazi, Semir D., to Zenith Electronics Corporation. Method and apparatus for power level control in area networks. 4,816,825, 3-28-89, Cl. 340-825.500.

Chan, John Y.: *See—*
Chung, Shine C.; Tsang, Siu K.; Koo, James T.; Chen, Sho Long S.; and Chan, John Y., 4,837,748, Cl. 365-236.000.

Chan, Ka-kong; and Saucy, Gabriel G., to Hoffmann-La Roche Inc. Asymmetric synthesis of natural vitamin E. 4,831,185, 5-16-89, Cl. 560-85.000.

Chan, Ka-Kong; and Saucy, Gabriel G., to Hoffmann-La Roche Inc. Asymmetric synthesis of natural vitamin E. 4,855,085, 8-8-89, Cl. 260-396.00R.

Chan, Kenneth K.; Hartmann, Philip W.; Lamons, Scott P.; Lyons, Terry G.; and Milonas, Argyrios C., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Virtual local area network. 4,823,338, 4-18-89, Cl. 370-85.000.

Chan, Kenneth K.: *See—*
Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.

Chan, Kevin K.: *See—*
Bui, Vu Q.; Chan, Kevin K.; Hoffarth, Joseph G.; and Malueg, Vicki J., 4,797,178, Cl. 156-643.000.

Chan, King W., to Advanced Micro Devices, Inc. High-speed, high-drive output buffer circuits with reduced ground bounce. 4,820,942, 4-11-89, Cl. 307-542.000.

Chan, Kuan-Der. Water and air pumping apparatus for a fish-raising pool. 4,818,188, 4-4-89, Cl. 417-201.000.

Chan, Kwok K.: *See—*
Gauthier, Simon R.; and Chan, Kwok K., 4,847,574, Cl. 33-21.00A.
Watmough, David; and Chan, Kwok K., 4,889,122, Cl. 128-399.000.

Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Compounds for ferroelectric liquid crystal devices. 4,824,217, 4-25-89, Cl. 350-350.500.

Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; and Young, Daniel J. S., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. 19 -hydroxy carboxylic acid derivatives suitable for use in liquid crystal materials and devices. 4,852,977, 8-1-89, Cl. 350-350.00S.

Chan, Lawrence W.; Doan, Alpha N.; Torgerson, Curt N.; and Wield, Paul J., to Hewlett Packard Company. Retractable pin sheet feed mechanism. 4,865,478, 9-12-89, Cl. 400-616.300.

Chan, Lawrence W.: *See—*
Mebane, Janet E.; Chan, Lawrence W.; La, Duong T.; and Nevarez, Ruben, 4,806,106, Cl. 439-77.000.

Chan, Lo K.; and Cheung, Yui, to ASM Assembly Automation, LTD. Work chuck for wire bonder and method. 4,826,069, 5-2-89, Cl. 228-103.000.

Chan, Luen C.; and Menozzi, Jay P., to Harris Corporation. Elevation interpolator for simulated radar display system. 4,884,971, 12-5-89, Cl. 434-2.000.

Chan, Mike T. Parking meters capable of being operated without monetary coins. 4,861,971, 8-29-89, Cl. 235-384.000.

Chan, Philip P.: *See—*
Locker, Richard W.; Chan, Philip P.; and Nagi, Paramjit S., 4,833,295, Cl. 219-121.630.

Chan, Randolph W.: *See—*
Aune, Ted M.; Germeraad, Paul B.; and Chan, Randolph W., 4,845,343, Cl. 219-545.000.

Chan, Sham Y., to Miles Inc. Chemically defined growth medium. 4,851,346, 7-25-89, Cl. 435-240.310.

Chan, Shi-Kit: *See—*
Montaser, Akbar; Chan, Shi-Kit; and Van Hoven, Raymond L., 4,833,294, Cl. 219-121.520.

Chan, Shufan: *See—*
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Chan, Simon S.: *See—*
Hua, Chang-Hwang; Day, Ding-Yuan S.; and Chan, Simon S., 4,808,273, Cl. 204-15.000.
Hua, Chang-Hwang; Day, Ding-Yuan S.; and Chan, Simon S., 4,842,699, Cl. 204-15.000.

Chan, Steven S., to LSI Logic Corporation. Delay control circuit. 4,845,390, 7-4-89, Cl. 307-602.000.

Chan, Steven S.: *See—*
Wong, Anthony Y.; Wong, Daniel; and Chan, Steven S., 4,859,[illegible] Cl. 307-263.000.

Chan, Thomas: *See—*
Skakoon, James G.; and Chan, Thomas, 4,844,397, Cl. 248-231.700.

Chan, Ting Y.; and Colvert, James H., to Texaco Inc. Liquid degasser in an ebullated bed process. 4,886,644, 12-12-89, Cl. 422-140.000.

Chan, Tsiu C.; and Han, Yu-Pin, to SGS-Thomson Microelectronics Inc. Method for forming a self-aligned source/drain contact for a MOS transistor. 4,868,138, 9-19-89, Cl. 437-44.000.

Chan, Wallace C. W.: *See—*
Kong, Samuel K.; Jiang, William Y.; and Chan, Wallace C. W., 4,884,165, Cl. 361-98.000.

Chan, Wing M., to Tandem Computers Incorporated. Data integrity checking with fault tolerance. 4,827,478, 5-2-89, Cl. 371-38.000.

Chan, Wing M.: *See—*
Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.

Chan, Winston K., to Bell Communications Research, Inc. Phase shifted gratings by selective image reversal of photoresist. 4,885,23[illegible] 12-5-89, Cl. 430-321.000.

Chan, Yat-Sum: *See—*
Fitzpatrick, Mark E.; Chan, Yat-Sum; and Gouldsberry, Gary R., 4,868,427, Cl. 307-475.000.
Fitzpatrick, Mark E.; Gouldsberry, Gary R.; Chan, Yat-Sum; and Pang, Richard F., 4,871,931, Cl. 307-491.000.

Chan, Yuen H.; Nijhuis, Rolf H.; Rivadeneira, Carlos G.; and Stru[illegible] James R., to International Business Machines Corporation. Asymmetrical clock chopper delay circuit. 4,851,711, 7-25-89, Cl. 307-288.000.

Chance, David A.: *See—*
Lakey, Leroy E.; Peter, David A.; Chance, David A.; and Anderson, Stephen W., 4,883,973, Cl. 290-31.000.

Chance, Dudley A.; and Hu, Yung-Haw, to International Business Machines Corporation. Doped titanate glass-ceramic for grain boundary barrier layer capacitors. 4,870,539, 9-26-89, Cl. 361-321.000.

Chance, J. Larry: *See—*
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Wedel, Gregory L.; and Chance, J. Larry, 4,882,854, Cl. 34-115.000.

Chance, James L.; and Wicks, Laurie D., to Beloit Corporation. Profiling air/steam system for paper-making machines. 4,836,894, 6-6-89, Cl. 162-253.000.

Chance, Jeff. Interior protection system. 4,810,944, 3-7-89, Cl. 318-483.000.

Chance, Leon H.; and Danna, Gary F., to United States of America, Agriculture. Wrinkle resistant fabric produced by crosslinking cellulosic materials with acetals of glyceraldehyde. 4,818,243, 4-4-89, Cl. 8-116.400.

Chancellor, Craig A.: *See—*
Mathewes, James K., Jr.; Chancellor, Craig A.; and Howes, H. Frank, 4,875,209, Cl. 371-3.000.

Chancellor, James C. Wheel stud installer and method. 4,872,254, 10-10-89, Cl. 29-525.000.

Chancellor, Masters and Scholars of the University of Oxford, The: *See—*
Southern, Edwin, 4,886,589, Cl. 204-182.800.

Chancellor, Richard, to Ford Motor Company. Compactability and permeability control for fabricating ECP mold. 4,819,711, 4-11-89, Cl. 164-456.000.

Chandan, Ramesh C.: *See—*
Greenberg, Norman A.; Chandan, Ramesh C.; Deeslie, William D.; and Conolly, Daniel D., 4,840,813, Cl. 426-565.000.

Chande, Tushar S., to General Electric Company. Beam splitting fiber optic coupler. 4,795,227, 1-3-89, Cl. 350-96.180.

Chande, Tushar S.; and Ortiz, Angel L., Jr., to General Electric Company. Cooling rate determination apparatus for laser material processing. 4,817,020, 3-28-89, Cl. 364-557.000.

Chande, Tushar S.; Jones, Marshall G.; Ortiz, Angel L., Jr.; and August, John L., Jr., to General Electric Company. Laser beam directing system. 4,838,631, 6-13-89, Cl. 350-6.600.

Chande, Tushar S., to General Electric Company. Optical fiber output coupler for a power laser. 4,844,574, 7-4-89, Cl. 350-96.180.

Chande, Tushar S.; and Ortiz, Angel L., Jr., to General Electric Company. Coupling device for high power laser beam transmitting optical fibers. 4,868,361, 9-19-89, Cl. 219-121.620.

Chande, Tushar S.: *See—*
Jones, Marshall G.; Ortiz, Angel L., Jr.; Chande, Tushar S.; and August, John L., Jr., 4,840,450, Cl. 350-96.200.

Chandhok, Vijay K.; and Ma, Bao-Min, to Crucible Materials Corporation. Consolidation of magnet alloy powders by extrusion and product therefrom. 4,881,984, 11-21-89, Cl. 148-101.000.

Chandler, Charles L. Conveyor belt system for a continuous mining machine. 4,869,358, 9-26-89, Cl. 198-309.000.

Chandler, Curtis S.; and Marsh, Edward K., to AMP Incorporated. Shielded data connector. 4,884,981, 12-5-89, Cl. 439-610.000.

Chandler, Daniel E. Retractable tire change lights for automotive vehicle. 4,802,069, 1-31-89, Cl. 362-83.000.

Chandler, Daniel E. Beverage holder for attachment to vehicle heating and cooling vents. 4,852,843, 8-1-89, Cl. 248-311.200.

Chandler, David A. Car wash apparatus. 4,889,147, 12-26-89, Cl. 134-123.000.

Chandler, David A.: *See—*
Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.; Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.

Chandler, David R., to Foresight Industries, Inc. Ground anchor. 4,802,317, 2-7-89, Cl. 52-163.000.

Chandler, Donald G.; Batterman, Eric P.; and Shah, Govind, to United Parcel Service of America, Inc. Hexagonal, information encoding article, process and system. 4,874,936, 10-17-89, Cl. 235-494.000.

Chandler, Donald G.: *See—*
Simpson, Raymond W.; Chandler, Donald G.; and Bowers, John, 4,864,588, Cl. 375-1.000.

Chandler, Howard, to Quadra Logic Technologies Inc. Membrane-supported immunoassays. 4,874,691, 10-17-89, Cl. 435-7.000.

Chandler, Hugh P.: *See—*
Penenberg, Brad L.; Jasty, Murali; and Chandler, Hugh P., 4,808,185 Cl. 623-20.000.

Chandler, Jennifer K.: *See—*
Kahn, Alan R.; and Chandler, Jennifer K., 4,860,759, Cl. 128-668.000.

Chandler, Jerry W. Holder for rolled paper. 4,824,038, 4-25-89, Cl. 242-55.200.

Chandler, Jon A.: *See—*
Butler, John D.; and Chandler, Jon A., 4,822,058, Cl. 277-152.000.

Chandler, Joseph A., to United States of America, National Aeronautics and Space Administration. Bio-reactor chamber. 4,839,046, 6-13-89, Cl. 210-355.000.

Chandler, Mark A.; Goggin, David J.; Horne, Patrick J.; Kocurek, Gary G.; and Lake, Larry W., to Board of Regents, The University of Texas System. Electronic field permeameter. 4,864,845, 9-12-89, Cl. 73-38.000.

Chandler, Richard N.: *See—*
Barber, Thomas D.; Chandler, Richard N.; and Hunka, John F., 4,873,488, Cl. 324-339.000.

Chandler, Ronald E.: *See—*
Delphia, John B.; Heilenah, Louis; and Chandler, Ronald E., 4,867,498, Cl. 296-37.700.

Chandler, Roy L.: *See—*
Baxter, Genevieve S.; and Chandler, Roy L., 4,824,000, Cl. 225-103.000.

Chandler, Rupert P., Jr.; McDavid, Fred R.; Lough, Jimmie D.; and Dove, Gary E., to Hopeman Brothers, Inc. Kiosk with air conditioning. 4,835,983, 6-6-89, Cl. 62-259.100.

Chandler, Stephen H.: *See—*
McElheny, Donald C., Ponivas, Dale A.; Syracuse, David A.; Chandler, Stephen H.; and Nareau, Robert H., 4,801,912, Cl. 336-84.00M.

Chandley, George D., to General Motors Corporation. Countergravity casting apparatus and method. 4,858,672, 8-22-89, Cl. 164-63.000.

Chandley, George D., to General Motors Corporation. Vacuum countergravity casting apparatus and method. 4,862,946, 9-5-89, Cl. 164-63.000.

Chandley, George D., to General Motors Corporation. Countergravity casting process and apparatus using destructible patterns suspended in an inherently unstable mass of particulate mold material. 4,874,029, 10-17-89, Cl. 164-34.000.

Chandonnet, Luc: *See—*
Chandonnet, Michel; and Chandonnet, Luc, 4,875,654, Cl. 248-467.000.

Chandonnet, Michel; and Chandonnet, Luc, to Chandonnet, Yvon. Magnetic picture retainer. 4,875,654, 10-24-89, Cl. 248-467.000.

Chandonnet, Yvon: *See—*
Chandonnet, Michel; and Chandonnet, Luc, 4,875,654, Cl. 248-467.000.

Chandra, Ashileshwari N.; Comerford, Liam D.; and White, Steve R., to International Business Machines Corp. Software protection system using a single-key cryptosystem, a hardware-based authorization system and a secure coprocessor. 4,817,140, 3-28-89, Cl. 380-4.000.

Chandra, Grish; and Zank, Gregg A., to Dow Corning Corporation. Preceramic acetylenic polysilanes. 4,806,612, 2-21-89, Cl. 528-10.000.

Chandra, Prakash, to Degussa Aktiengesellschaft. Use of penicillamine for treating immune damaging illnesses. 4,847,297, 7-11-89, Cl. 514-562.000.

Chandra, Ramesh, to New York University. Phantom for imaging systems. 4,818,943, 4-4-89, Cl. 324-318.000.

Chandra, Seema: *See—*
Sanner, Martin W.; and Chandra, Seema, 4,845,712, Cl. 371-25.000.

Chandra, Sudhish: *See—*
Feldman, Fred; Klekamp, Mark S.; Hrinda, Michael E.; Shaw, Arthur B.; and Chandra, Sudhish, 4,876,241, Cl. 514-2.000.

Chandra, Suresh; and Paul, Jeffrey L., to United States of America, Army. Phase conjugated slab laser designator. 4,837,769, 6-6-89, Cl. 372-41.000.

Chandran, Rama S.: *See—*
Ford, Warren T.; Chandran, Rama S.; Hassanein, Mahmoud; and Turk, Hayrettin, 4,857,493, Cl. 502-159.000.

Chandraratna, Roshantha A. S., to Allergan, Inc. Acetylenes disubstituted with a phenyl group and a heterobicyclic group having retinoid-like activity. 4,810,804, 3-7-89, Cl. 514-311.000.

Chandrasekhar, Prasanna; and Venkatasetty, H. V., to Honeywell Inc. Electrochemical detection of carbon dioxide. 4,851,088, 7-25-89, Cl. 204-1.00T.

Chandross, Edwin A.: *See—*
Barns, Robert L.; Chandross, Edwin A.; and Nagel, Suzanne R., 4,842,626, Cl. 65-2.000.

Chandrupatla, Tirupathi R., to GMI Engrg., & Mgmt., Institute. Multiratio drive system for sprockets having translating pins. 4,854,925, 8-8-89, Cl. 474-212.000.

Chane-Ching, Jean-Yves; and Dumousseau, Jean-Yves, to Rhone-Poulenc Specialites Chimiques. Production of stannous salts. 4,822,580, 4-18-89, Cl. 423-293.000.

Chane, It S.: *See—*
Swanson, Ernest B.; and Chane, It S., 4,852,296, Cl. 43-112.000.

Chaneac, Andre, to Ateliers de Constructions et d'Innovations. Combustion engine having no connecting rods or crankshaft, of the radial cylinder type. 4,848,282, 7-18-89, Cl. 123-58.0AM.

Chanel: *See—*
Lehmann, Bernard, 4,824,703, Cl. 428-33.000.

Chanel, Arthur, to Fromageries Bresse-Bleu. Apparatus for injecting a neutral gas into receptacles of in particular food products. 4,809,486, 3-7-89, Cl. 53-510.000.

Chanel, Pierre. Device and method for producing artificial snow. 4,836,446, 6-6-89, Cl. 239-2.200.

Chaney, David B., to W. B. Marvin Manufacturing Company, The. Convertible fan assembly. 4,872,399, 10-10-89, Cl. 98-94.100.

Chaney, Richard: *See—*
Lim, Chun B.; Chaney, Richard; Jih, Felix; Johnson, Tim; and King, Steven E., 4,808,826, Cl. 250-363.00R.

Chang, A-Shen. Automatic and continuous mechanism for processing and assembling venetian blind slats. 4,823,449, 4-25-89, Cl. 29-24.500.

Chang, Andrew K.: *See—*
Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo, 4,823,523, Cl. 52-173.00R.
Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo J., 4,841,692, Cl. 52-173.00R.

Chang, B. Jin, to Kaiser Optical Systems. Holographic optical element having periphery with gradually decreasing diffraction efficiency and method of construction. 4,818,045, 4-4-89, Cl. 350-3.700.

Chang, B. Jin, to Kaiser Optical Systems. Holographic filter construction for protective eyewear. 4,830,441, 5-16-89, Cl. 350-3.700.

Chang, Biau-Hung: *See—*
Goel, Anil B.; and Chang, Biau-Hung, 4,798,872, Cl. 558-186.000.

Chang, Bo E. Three layered laptop computer. 4,839,837, 6-13-89, Cl. 364-708.000.

Chang, Byung J., to Kaiser Optical System, Inc. Real time holographic filter using nonlinear optical materials. 4,879,167, 11-7-89, Cl. 428-215.000.

Chang, Cheng-Hui. Outer layer drumhead structure. 4,809,582, 3-7-89, Cl. 84-414.000.

Chang, Chi-Huang M.: *See—*

Linyeav, Eugene J.; and Chang, Chi-Huang M., 4,857,006, Cl. 439-271.000.

Chang, Chia C. Multi-functional electrically activated stove. 4,889,972, 12-26-89, Cl. 219-472.000.

Chang, Chin-Fong: *See—*

Das, Santosh K.; and Chang, Chin-Fong, 4,853,035, Cl. 75-249.000.

Das, Santosh K.; and Chang, Chin-Fong, 4,857,109, Cl. 75-249.000.

Das, Santosh K.; Chang, Chin-Fong; and Bye, Richard L., Jr., 4,865,657, Cl. 148-113.000.

Laxmanan, Venkatasubramanian; Das, Santosh K.; and Chang, Chin-Fong, 4,807,693, Cl. 164-452.000.

Chang, Chin-Hsing, to UOP. Process for separating ketoses from alkaline-or pyridine-catalyzed isomerization products. 4,880,920, 11-14-89, Cl. 536-127.000.

Chang, Chin-Hsiung; and Seminara, Gary J., to Allied-Signal Inc. Removal of organic compounds from gas streams using carbon molecular sieves. 4,820,318, 4-11-89, Cl. 55-68.000.

Chang, Chin-Hsiung; and Seminara, Gary J., to Allied-Signal Inc. Preparation of hydrophobic carbon molecular sieves. 4,820,681, 4-11-89, Cl. 502-418.000.

Chang, Chin-Hsiung: *See—*

Zinnen, Hermann A.; Oroskar, Anil R.; and Chang, Chin-Hsiung. 4,810,266, Cl. 55-68.000.

Chang, Chin L., to Honeywell Inc. Fiber optic polarizer. 4,795,233, 1-3-89, Cl. 350-96.290.

Chang, Ching-Feng: *See—*

Lewis, Kenrick M.; and Chang, Ching-Feng, 4,889,838, Cl. 502-27.000.

Chang, Ching H.: *See—*

Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne L.; Hubbs, John C.; and Foster, Charles H., 4,839,344, Cl. 514-16.000.

Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne; Hubbs, John C.; and Foster, Charles H., 4,880,778, Cl. 514-12.000.

Chang, Chiu C.: *See—*

Khanna, Pyare L.; Chang, Chiu C.; and Ullman, Edwin F., 4,857,455, Cl. 435-7.000.

Pease, John; Tarnowski, Thomas L.; Berger, Donald; Chang, Chiu C.; and Chuang, Chun-Hua, 4,830,786, Cl. 260-396.00N.

Chang, Chu-An: *See—*

Marks, Martin E.; Littlehales, William J.; and Chang, Chu-An, 4,859,419, Cl. 422-56.000.

Chang, Chun-Yen, to National Science Council. Method of fabricating a Si/SiC amorphous heterojunction photo transistor. 4,810,662, 3-7-89, Cl. 437-4.000.

Chang, Chung-Chen; and Wu, Cheng C., to Atmel Corporation. EPROM fabrication process. 4,830,974, 5-16-89, Cl. 437-034.000.

Chang, Chung L.: *See—*

Moyer, George A.; and Chang, Chung L., 4,875,735, Cl. 297-367.000.

Chang, Chung N., to Polar Spring Corporation. Dual freezing chamber system and method for water purification. 4,799,945, 1-24-89, Cl. 62-532.000.

Chang, Clarence D.; Chu, Cynthia T-W.; and Lee, Carol S., to Mobil Oil Corporation. Ammonium activation of zeolites in the presence of gaseous ammonia. 4,837,398, 6-6-89, Cl. 502-86.000.

Chang, Clarence D.; and Hellring, Stuart D., to Mobil Oil Corporation. Layered divalent metal hydrogen phosphates. 4,846,853, 7-11-89, Cl. 55-35.000.

Chang, Clarence D.; and Perkins, Patrick D., to Mobil Oil Corp. Process for making alkyl pyrazines. 4,855,431, 8-8-89, Cl. 544-410.000.

Chang, Clarence D.; and Hellring, Stuart D., to Mobil Oil Corporation. Production of lactones and omega-hydroxycarboxylic acids. 4,870,192, 9-26-89, Cl. 549-272.000.

Chang, Clarence D.; Chu, Cynthia T-W.; Lee, Carol S.; and Partridge, Randall D., to Mobil Oil Corp. Ammonium activation of zeolites in the presence of gaseous ammonia. 4,871,702, 10-3-89, Cl. 502-86.000.

Chang, Clarence D.; Chu, Cynthia T-W.; Chu, Pochen; Dessau, Ralph M.; Garwood, William E.; Kuehl, Guenter H.; Miale, Joseph N.; and Shihabi, David S., to Mobil Oil Corporation. Zeolite modifications. 4,876,228, 10-24-89, Cl. 502-71.000.

Chang, Clarence D.: *See—*

Bowes, Emmerson; Chang, Clarence D.; Han, Scott; and Shihabi, David S., 4,876,411, Cl. 585-533.000.

Chang, Dale. Self-teaching book for children with an electronic device. 4,854,879, 8-8-89, Cl. 434-339.000.

Chang, Dane; and Wolfe, David L., to Dow Chemical Company, The. Bituminous compositions having high adhesive properties. 4,839,404, 6-13-89, Cl. 524-69.000.

Chang, Daniel, to Fairchild Semiconductor Corporation. Expandable multi-port random access memory. 4,817,051, 3-28-89, Cl. 365-154.000.

Chang, Dao-Pin. Hair circle for conjugal affection. 4,854,303, 8-8-89, Cl. 128-62.00R.

Chang, David C. K.: *See—*

Gilmer, Thomas C.; and Chang, David C. K., 4,812,506, Cl. 524-512.000.

Chang, David D., to Micropolis Corporation. Head positioner preloaded stop. 4,796,131, 1-3-89, Cl. 360-106.000.

Chang-Diaz, Franklin R., to United States of America, National Aeronautics and Space Administration. Method of infusion extraction. 4,832,951, 5-23-89, Cl. 424-95.000.

Chang, Donald C., to Baylor College of Medicine. Method of and apparatus for cell poration and cell fusion using radiofrequency electrical pulses. 4,822,470, 4-18-89, Cl. 204-299.00R.

Chang, Donald C. D.: *See—*

Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., 4,883,244, Cl. 244-171.000.

Wong, Mon N.; Patin, Robert J.; Fishkin, Theodore S.; and Chang, Donald C. D., 4,812,788, Cl. 333-113.000.

Chang, Franklin R., to United States of America, National Aeronautics and Space Administration. Hybrid plume plasma rocket. 4,815,279, 3-28-89, Cl. 60-202.000.

Chang, Fung M.; Hsu, Chien C.; and Chen, Wen C. Pneumatic type of hydraulic structure. 4,798,125, 1-17-89, Cl. 91-49.000.

Chang, Gan-How: *See—*

Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.

Chang, Glenn E. C.: *See—*

Jones, Robert J.; and Chang, Glenn E. C., 4,880,584, Cl. 264-135.000.

Chang, Haehie, to Non Nu, Inc. Eyeglasses case or contact lens case cover. 4,823,943, 4-25-89, Cl. 206-5.000.

Chang, Herry. Knockdown type inflatable sailboat. 4,796,555, 1-10-89, Cl. 114-39.100.

Chang, Hisao M.: *See—*

Miller, James D.; and Chang, Hisao M., 4,820,059, Cl. 381-43.000.

Chang, Hsi-Tien, to United States of America, Energy. Downhole pulse radar. 4,814,768, 3-21-89, Cl. 342-22.000.

Chang, Hsien-Ju: *See—*

Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.

Chang, Hsueh-Rong; Baliga, Bantval J.; and Chow, Tat-Sing P., to General Electric Company. Vertical double diffused metal oxide semiconductor VDMOS device with increased safe operating area and method. 4,801,986, 1-31-89, Cl. 357-23.400.

Chang, Hsueh-Rong: *See—*

Baliga, Bantval J.; Chow, Tat-Sing P.; and Chang, Hsueh-Rong, 4,823,176, Cl. 357-23.400.

Chang, Hui: *See—*

Grushkin, Bernard; Chang, Hui; and Ruhland, John G., 4,877,70 Cl. 430-106.600.

Chang, I-Cheng: *See—*

Sabet-Peyman, Farhang; and Chang, I-Cheng, 4,827,229, Cl. 333-187.000.

Chang, I-Te: *See—*

Kuo, Cheng-Deng; Bai, Jing-Jang; and Chang, I-Te, 4,848,900, Cl. 356-39.000.

Chang, Insoon: *See—*

Yoon, Myongwhan; Whang, Seongtae; Chang, Insoon; and Ha Pilsoon, 4,871,518, Cl. 423-11.000.

Chang, Irving B., to Allied-Signal Inc. Gels of telomer-copolymers of ethylene and a silane. 4,834,972, 5-30-89, Cl. 424-78.000.

Chang, James L. Orthopedic bed structure. 4,844,969, 7-4-89, Cl. 5-186.00R.

Chang, James S.; and Clark, Scott M., to Chamberlain Group, Inc., The. Garage door operator with plastic drive belt. 4,885,872, 12-12-89, Cl. 49-362.000.

Chang, James S.: *See—*

Willmott, Colin B.; and Chang, James S., 4,794,731, Cl. 49-199.000.

Chang, Jaw J.; and Yeh, Hen-Geul, to United States of America, National Aeronautics and Space Administration. Systolic VLSI array for implementing the Kalman filter algorithm. 4,823,299, 4-18-89, Cl. 364-735.000.

Chang, Jeffrey C.: *See—*

Chou, Hsin-Hsin; Elmasry, Mohamed A.; Chang, Jeffrey C.; and Kidnie, Kevin M., 4,822,643, Cl. 427-256.000.

Chang, Jih-Cheng. Warning device to alert passers-by before opening an automobile door. 4,833,448, 5-23-89, Cl. 340-425.500.

Chang, Jimmy C. K. Kinetic energy reclaiming system for vehicle. 4,798,053, 1-17-89, Cl. 60-712.000.

Chang, Jin K.: *See—*

Moon, Juhn W.; Hwang, Bun; and Chang, Jin K., 4,861,605, Cl. 426-96.000.

Chang, John C.: *See—*

Olson, Maynard H.; Chang, John C.; and Muggli, Imelda A., 4,822,373, Cl. 8-115.600.

Payet, George L.; and Chang, John C., 4,875,901, Cl. 8-115.56

Chang, John C. H.; and Dimitriou, Theodore, to Wallace Computer Services, Inc. Tamper evident document and use thereof. 4,846,502, 7-11-89, Cl. 283-57.000.

Chang, Joseph Y.: *See—*

McGregor, William H.; and Chang, Joseph Y., 4,824,996, Cl. 560-165.000.

Chang, Jun H.; and Baum, Jonathan S., to FMC Corporation. Amino phenylmethyl isoxazolidinones as plant regulators. 4,826,527, 5-2-89, Cl. 71-88.000.

Chang, Jun H., to FMC Corporation. 9-(2H-1,4-benzoxazin-3(4H)-on-6-yl)imino-8-thia-1,6-diazobicyclo[4.3.0]nonane-7-one(and thiones)herbicides. 4,830,659, 5-16-89, Cl. 71-90.000.

Chang, Jun H., to FMC Corporation. Herbicidal triazolinones. 4,846,875, 7-11-89, Cl. 71-92.000.

Chang, Jun H., to FMC Corporation. Herbicidal aryl tetrahydrophthalimides. 4,846,882, 7-11-89, Cl. 71-96.000.

Chang, Keh-Minn, to General Electric Company. High strength superalloy for high temperature applications. 4,814,023, 3-21-89, Cl. 148-2.000.

Chang, Keh-Minn, to General Electric Company. Method of forming fatigue crack resistant nickel base superalloys. 4,816,084, 3-28-89, Cl. 148-13.000.

Chang, Keh-Minn, to General Electric Company. Method of forming fatigue crack resistant nickel base superalloys and product formed. 4,820,353, 4-11-89, Cl. 148-2.000.

Chang, Keh-Minn, to General Electric Company. Method of making high strength superalloy components with graded properties. 4,820,358, 4-11-89, Cl. 148-13.000.

Chang, Keh-Minn, to General Electric Company. Method of forming strong fatigue crack resistent nickel base superalloy and product formed. 4,888,064, 12-19-89, Cl. 148-2.000.

Chang, Kelvin Y.: *See—*

Lipinski, Richard J.; and Chang, Kelvin Y., 4,798,675, Cl. 210-700.000.

Chang, Kern K. N., to RCA Licensing Corp. Thin cathode-ray tube. 4,812,708, 3-14-89, Cl. 313-477.00R.

Chang, Keun I. Helical cable tire chain having multi-angular traction sleeves and rubber rings. 4,830,078, 5-16-89, Cl. 152-222.000.

Chang, Ki S.: *See—*

Khosrovi, Aman; Lou, Perry W.; and Chang, Ki S., 4,831,594, Cl. 365-222.000.

Chang, Kin-Shiung: *See—*

Bridges, William G.; Armer, Thomas A.; and Chang, Kin-Shiung. 4,816,426, Cl. 437-207.000.

Chang, Koong M.: *See—*

Chang, Shyh T.; and Chang, Koong M., 4,845,865, Cl. 36-136.000.

Chang, Kuang-Yao: *See—*

Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.

Chang, Kuo Y.; Kohatsu, Iwao; and Garrou, Philip E., to Dow Chemical Company, The. Cleavage of polyethylene glycol ethers by hydrolysis. 4,806,658, 2-21-89, Cl. 549-368.000.

Chang, Kwangling. Numerical display module. 4,796,370, 1-10-89, Cl. 40-450.000.

Chang, Laurence W.; and Fischer, Robert G., to American Cyanamid Company. Substituted N-hydroxyphthalimides and their use as detergent additives. 4,863,636, 9-5-89, Cl. 252-542.000.

Chang, Laurence W.: *See—*

Singh, Balwant; Chang, Laurence W.; and Henderson, William A., Jr., 4,879,410, Cl. 560-344.000.

Chang, Lien-Kuei: *See—*

Chen, Hong-Bin; Chang, Lien-Kuei; Tsay, Shern-Ji; Chou, Tung-Sheng; and Shiue, Fong, 4,879,905, Cl. 73-579.000.

Chang, Linai: *See—*

Chen, Shixian; Wang, Hung S.; and Chang, Linai, 4,798,104, Cl. 74-804.000.

Chang, Main, to Exxon Chemical Patents Inc. Method for preparing a supported metallocene-alumoxane catalyst for gas phase polymerization. 4,814,310, 3-21-89, Cl. 502-107.000.

Chang, Manchium; and Colvin, Michael S. Magnetic particles. 4,873,102, 10-10-89, Cl. 427-130.000.

Chang, Mao J. Case for croquet equipment. 4,842,134, 6-27-89, Cl. 206-315.100.

Chang, Mao-Kuei. Excrement examination unit. 4,849,173, 7-18-89, Cl. 422-56.000.

Chang, Mau-Chung F.; Asbeck, Peter M.; Wang, Keh-Chung; and Miller, David L., to Rockwell International Corporation. Static memory cell using a heterostructure complementary transistor switch. 4,807,008, 2-21-89, Cl. 357-34.000.

Chang, Mei; Wang, David N. K.; White, John M.; and Maydan, Dan, to Applied Materials, Inc. Inlet manifold and methods for increasing gas dissociation and for PECVD of dielectric films. 4,854,263, 8-8-89, Cl. 118-715.000.

Chang, Mei: *See—*

Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., 4,842,683, Cl. 156-345.000.

Chang, Michael N.: *See—*

Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Graham, Donald W.; Heck, James V.; and Yang, Shu S., 4,806,564, Cl. 514-449.000.

Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Girotra, Narindar M.; Graham, Donald W.; and Yang, Shu S., 4,847,271, Cl. 514-336.000.

Chang, Mike F.; Yilmaz, Hamza; Gauffreau, George L.; and Owyang, King, to General Electric Company. IGT and MOSFET devices having reduced channel width. 4,803,533, 2-7-89, Cl. 357-23.400.

Chang, Mike F.; and Pifer, George C., to General Electric Company. Semiconductor device and method of fabrication. 4,810,665, 3-7-89, Cl. 437-30.000.

Chang, Mike F.: *See—*

Yilmaz, Hamza; Wrathall, Robert S.; Chang, Mike F.; and Hodgins, Robert G., 4,795,716, Cl. 437-27.000.

Chang, Mike F. S.: *See—*

Gray, Peter V.; Baliga, Bantval J.; Chang, Mike F. S.; and Pifer, George C., 4,883,767, Cl. 437-41.000.

Chang, Ming Z.; Yeh, Chuen M.; and Yeh, Chuen Y. Positioning device for percutaneous needle insertion. 4,841,967, 6-27-89, Cl. 128-303.00B.

Chang, Moon H.; Kim, Bong J.; Kim, Sung K.; and Kim, Woan J., to Korea Advanced Institute of Science and Technology. Process for the preparation of cephalosporin derivatives. 4,835,267, 5-30-89, Cl. 540-226.000.

Chang, Moon S., to Woo Kyong Industrial Co., Ltd. Positioning joint for folding ladders. 4,824,278, 4-25-89, Cl. 403-93.000.

Chang, Nan S.: *See—*

Chen, Po Y.; Chu, Shiao J.; Chen, Mei C.; Chang, Nan S.; and Lin, Wen C., 4,801,752, Cl. 564-401.000.

Chang, Nancy T.; and Ghrayeb, John, to Centocor, Inc. Immunochemical method for detection of antibody against HTLV-III core protein based upon recombinant HTLV-III gag gene encoded protein. 4,808,536, 2-28-89, Cl. 435-5.000.

Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Silvester, Lenard F., to Altus Corporation. Additive to improve voltage regulation in a lithium-copper chloride rechargeable cell. 4,844,993, 7-4-89, Cl. 429-50.000.

Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Sylvester, Lenard F., to Altus Corporation. Cell design for spirally wound rechargeable alkaline metal cell. 4,863,815, 9-5-89, Cl. 429-94.000.

Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Silvester, Lenard F., to Altus Corporation. Overdischarge protection for rechargeable cells. 4,873,158, 10-10-89, Cl. 424-61.000.

Chang, Paul S.; and Steely, Lee W., to AMP Incorporated. Time multiplexed data transmission system. 4,847,832, 7-11-89, Cl. 370-85.000.

Chang, Peng-Heng: *See—*

Malhi, Satwinder D. S.; Shen, Chi-Cheong; Bean, Kenneth E.; and Chang, Peng-Heng, 4,875,086, Cl. 357-54.000.

Chang, Peter; Bergman, Darrin J.; and Duda, Donald W., to Amphenol Corporation. Fiber optic connector for use in temporary repair of multiple fiber cable. 4,887,875, 12-19-89, Cl. 350-96.210.

Chang, Peter: *See—*

Duran, John A.; Young, Robert; and Chang, Peter, 4,865,500, Cl. 411-103.000.

Chang, Ping W.: *See—*

Meltz, Clifford N.; Gruetzmacher, Gordon D.; and Chang, Ping W., 4,821,802, Cl. 166-270.000.

Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, to Taiho Pharmaceutical Company, Limited. Substance 4181-2. 4,814,449, 3-21-89, Cl. 546-36.000.

Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, to Taiho Pharmaceutical Company, Limited. Substance 4181-2 and its derivatives having anti-leukemia activity. 4,866,069, 9-12-89, Cl. 514-279.000.

Chang, Raymond S.: *See—*

Lam, Yiu-kuen T.; Chang, Raymond S.; Hensens, Otto D.; Schwartz, Cheryl D.; and Zink, Deborah L., 4,859,690, Cl. 514-375.000.

Chang, Robert C. W.; Vorndran, Steven C.; and Joseph, Michael F., to Westinghouse Electric Corp. Apparatus for waste disposal and method. 4,870,911, 10-3-89, Cl. 110-246.000.

Chang, Robert C. W.; Vorndran, Steven C.; and Joseph, Michael F., to Westinghouse Electric Corp. Method and apparatus for plasma pyrolysis of liquid waste. 4,886,001, 12-12-89, Cl. 110-346.000.

Chang, Robert W. H.; and Relyea, Keith E., to Minnesota Mining and Manufacturing Company. Lipstick sampling device. 4,876,136, 10-24-89, Cl. 428-130.000.

Chang, Rongfeng: *See—*

Ramalingam, Subbiah; and Chang, Rongfeng, 4,839,011, Cl. 204-192.380.

Chang, San-Julie. Power source circuit device for monitors and host computers. 4,886,979, 12-12-89, Cl. 307-11.000.

Chang, Shao C. Method for manufacturing molded products of polyethylene terephthalate. 4,863,652, 9-5-89, Cl. 264-40.600.

Chang, Sheng-Yung: *See—*

Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,865,974, Cl. 435-68.000.

Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,870,017, Cl. 435-212.000.

Chang, Shi-Lung. Note paper-holding pen. 4,872,775, 10-10-89, Cl. 401-52.000.

Chang, Shih-Chia: *See—*

Howe, Roger T.; and Chang, Shih-Chia, 4,805,456, Cl. 73-517.0AV.

Howe, Roger T.; and Chang, Shih-Chia, 4,851,080, Cl. 156-647.000.

Chang, Shih-Chih. Device for damage protection against local flooding caused by sprinkler failure. 4,842,198, 6-27-89, Cl. 239-200.000.

Chang, Shih-Chih. Device for preventing flooding caused by sprinkler failure. 4,867,603, 9-19-89, Cl. 405-37.000.

Chang, Shih-Ger; Liu, David K.; Griffiths, Elizabeth A.; and Littlejohn, David, to United States of America, Energy. A process for the preparation of cysteine from cystine. 4,837,361, 6-6-89, Cl. 562-556.000.

Chang, Shih-Ger: *See—*

Liu, David K.; and Chang, Shih-Ger, 4,810,474, Cl. 423-235.000.

Chang, Shih-Jeh; Emery, Richard T.; Hakim, Shafik J.; Ho, Jen-Lie; Janssen, Paul E.; and McCullagh, Carol M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Broadcasting messages in a distributed processing system. 4,818,984, 4-4-89, Cl. 340-825.540.

Chang, Shih-Ling, to University of Kentucky Research Foundation, The. Qualitative metabolism assessment using high performance thin layer chromatography. 4,877,744, 10-31-89, Cl. 436-162.000.

Chang, Shing, to Cetus Corporation. Method and vector organism for controlled accumulation of heterologous gene products in *bacillus subtilis*. 4,816,396, 3-28-89, Cl. 435-68.000.

Chang, Shing, to Cetus Corporation. Partition proficiency in genetically engineered plasmids for transforming gram-positive organisms. 4,822,739, 4-18-89, Cl. 435-172.300.

Chang, Shing: *See*—

Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,865,974, Cl. 435-68.000.

Ben-Bassat, Arie; Bauer, Keith A.; Chang, Shing; and Chang, Sheng-Yung, 4,870,017, Cl. 435-212.000.

Chang, Shu-Kong: *See*—

Hoyle, David C.; Chang, Shu-Kong; and Varga, Gyula, 4,850,450, Cl. 181-102.000.

Chang, Shyh T.; and Chang, Koong M. Shoe having a vibratable ornament. 4,845,865, 7-11-89, Cl. 36-136.000.

Chang, Sou-Jen, to Rohm and Haas Company. Process for preparing isothiazolones. 4,868,310, 9-19-89, Cl. 548-213.000.

Chang, Stanley S.; Jones, Robert E.; and Bau, Hui, to Hughes Aircraft Company. Method of fabricating a hollow squarax inner conductor. 4,797,995, 1-17-89, Cl. 29-825.000.

Chang, Stanley S.; Ybarra-Rojas, Amilcar B.; and Bau, Hui, to Hughes Aircraft Company. Reflector surface adjustment structure. 4,845,510, 7-4-89, Cl. 343-880.000.

Chang, Stephen S.; Bao, Yongde; and Pelura, Timothy J. Purification of fish oil. 4,874,629, 10-17-89, Cl. 426-601.000.

Chang, Steve C. S.; Miller, Thomas E.; and Krodel, Elizabeth K., to Ciba Corning Diagnostics Corp. Method for determining thyroxine uptake. 4,824,777, 4-25-89, Cl. 435-7.000.

Chang, Steven, to C & M Sports Enterprises Inc. Archery arrow sighting apparatus. 4,858,589, 8-22-89, Cl. 124-24.00R.

Chang, Suae-Chen, to Ethyl Corporation. Acrylate cured polyphosphazenes. 4,816,532, 3-28-89, Cl. 525-538.000.

Chang, Suk K.: *See*—

Yeo, Jong K.; Oh, Jong M.; Chang, Suk K.; and Lee, Eon S., 4,829,125, Cl. 525-194.000.

Chang, Sung S.: *See*—

Kroll, Paul C.; and Chang, Sung S., 4,805,109, Cl. 364-464.020.

Kroll, Paul C.; and Chang, Sung S., 4,817,004, Cl. 364-464.020.

Kroll, Paul C.; and Chang, Sung S., 4,845,632, Cl. 364-464.020.

Chang, Te-Cheng. Shelter used to protect plants or crops from adverse environmental conditions. 4,827,957, 5-9-89, Cl. 135-101.000

Chang, Ted S. Stapler base. 4,838,470, 6-13-89, Cl. 227-120.000.

Chang, Thomas: *See*—

Mukherjee, Satyen; and Chang, Thomas, 4,868,619, Cl. 357-23.500.

Chang, Thomas M. S.; and Daka, Joseph N., to Royal Institution for the Advancement for Learning (McGill University), The. Removal of bilirubin by the pseudoperoxidase activity of immobilized hemoglobin. 4,820,416, 4-11-89, Cl. 210-632.000.

Chang, TsaiFa, to Climax Technology Co., Ltd. Selecting interface device for facsimile apparatuses. 4,802,204, 1-31-89, Cl. 379-100.000.

Chang, Tse W., to Tanox Biosystems, Inc. Immunoassay device enclosing matrixes of antibody spots for cell determinations. 4,829,010, 5-9-89, Cl. 422-58.000.

Chang, Tsong-Ju P., to Rohde & Schwartz-Polarad. Apparatus and method for monochrome/multicolor display of superimposed images. 4,868,552, 9-19-89, Cl. 340-721.000.

Chang, Tsung K.: *See*—

Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.

Chang, Wang S. Transmission mechanism for the adjustment of inclination angle of a venetian blind. 4,869,308, 9-26-89, Cl. 160-176.100.

Chang, Wen H.; Prucnal, Paul J.; Peffer, John R.; Dufford, Edward L.; and Ambrose, Ronald R., to PPG Industries, Inc. Method of preparing acrylic polymers containing hydrolyzable moieties from organosilane compounds. 4,808,663, 2-28-89, Cl. 525-100.000.

Chang, Wen-Hsuan: *See*—

O'Dwyer, James B.; Chang, Wen-Hsuan; Scriven, Roger L.; and Cherenko, Joseph, 4,824,926, Cl. 528-65.000.

Chang, Yeong-Ho; and Jenkins, Waylon L., to Eastman Kodak Company. Method of isolating copolymers of vinylpyridine and styrene. 4,853,461, 8-1-89, Cl. 528-486.000.

Chang, Yeong-Ho: *See*—

Light, Fred W., Jr.; Hood, James D.; and Chang, Yeong-Ho, 4,859,76[illegible], Cl. 528-45.000.

Wu, Stephen H. W.; Kirk, Shane K.; Perry, Kenneth P.; Smith, E. Phillip; Chang, Yeong-Ho; and Jenkins, Waylon L., 4,837,004, Cl. 424-438.000.

Chang, Yu-an: *See*—

Robins, Roland K.; Revankar, Ganapathi R.; and Chang, Yu-an, 4,861,873, Cl. 536-27.000.

Chang, Yuehsiung, to Amoco Corporation. Lubricant overbased phenate detergent with improved water tolerance. 4,865,754, 9-12-89, Cl. 252-39.000.

Chang, Yuehsiung, to Amoco Corporation. Method for producing sulfurized alkylphenols. 4,873,007, 10-10-89, Cl. 252-40.700.

Chang, Yuh-Loo: *See*—

Jain, Sangya; and Chang, Yuh-Loo, 4,863,827, Cl. 430-145.000.

Chang, Yunik; Patel, Dinesh C.; and Ebert, Charles D., to TheraTech Inc. Device for administering an active agent to the skin or mucosa. 4,849,224, 7-18-89, Cl. 424-434.000.

Chang, Yunik; and Patel, Dinesh C., to Theratech, Inc. Skin penetration enhancement using free base and acid addition salt combinations of active agents. 4,888,354, 12-19-89, Cl. 514-424.000.

Chang, Yunik: *See*—

Patel, Dinesh C.; and Chang, Yunik, 4,863,970, Cl. 514-784.000.

Chang, Zong-Shi. Gas pressure regulator. 4,817,664, 4-4-89, Cl. 137-458.000.

Changani, Pushpkumar D.: *See*—

McLoughlin, Robert H.; and Changani, Pushpkumar D., 4,798,752, Cl. 428-36.000.

Change, Nicholas D., Jr. Piezoelectric sensor with FET amplified output. 4,816,713, 3-28-89, Cl. 310-319.000.

Change, Nicholas D., III. Exercise towel with magnetic anchoring means. 4,885,195, 12-5-89, Cl. 428-36.100.

Change, Sung S.: *See*—

Brookner, George M.; and Change, Sung S., 4,837,714, Cl. 364-550.000.

Channel Products, Inc.: *See*—

Berlincourt, Don A., 4,863,372, Cl. 431-66.000.

Romanak, Alfred J.; and Moss, Russell W., 4,861,264, Cl. 431-263.000.

Channell, Alan B.: *See*—

Bevington, Jack T.; and Channell, Alan B., 4,802,819, Cl. 415-199.300.

Channing, Dean A.; and Chiang, Lih W., to Cherry Corporation, The. Drive circuit for operating electroluminescent display with enhanced contrast. 4,837,566, 6-6-89, Cl. 340-781.000.

Channing, Derek A., to Ford Motor Company. Multiple plate clutch release proportioning device. 4,809,834, 3-7-89, Cl. 192-70.270.

Chanock, Robert: *See*—

Prince, Gregory; Chanock, Robert; and Hemming, Val G., 4,800,078, Cl. 424-86.000.

Chanroo, Keith A.; and Steel, Francis R., deceased (by Steel, Lynne A., legal representative), to Motorola, Inc. Phase correcting DPSK/PSK receiver with digitally stored phase correction derived from received data. 4,888,793, 12-19-89, Cl. 375-84.000.

Chant, Peter R., to Firan Corporation. Method for producing circuit boards with deposited metal patterns and circuit boards produced thereby. 4,797,508, 1-10-89, Cl. 174-68.500.

Chant, Peter R., to Firan Corporation. Method for producing circuit boards with deposited metal patterns and circuit boards produced thereby. 4,853,277, 8-1-89, Cl. 428-209.000.

Chant, Philip, to Bluepoint Industries, Inc. Anti-theft device for automobiles. 4,835,999, 6-6-89, Cl. 70-238.000.

Chantelou, Olivier, to U.S. Philips Corporation. Method and apparatus for processing video signals. 4,825,288, 4-25-89, Cl. 358-166.000.

Chantepie, Bernard, to U.S. Philips Corporation. ECL-compatible semiconductor device having a prediffused gate array. 4,808,851, 2-28-89, Cl. 307-450.000.

Chanter, Edward G.: *See*—

Shaffer, Ralph E.; Chanter, Edward G.; Randleman, Randy J.; and Yeager, Robert H., 4,822,316, Cl. 446-466.000.

Chantiers Beneteau: *See*—

Berret, Jean; and Chalain, Francois, 4,829,927, Cl. 114-90.000.

Chantler, Ian D.: *See*—

Price, Norman W.; and Chantler, Ian D., 4,845,344, Cl. 219-547.000.

Chantraine, Philippe: *See*—

Merenda, Pierre; Chantraine, Philippe; and Lambert, Daniel, 4,826,786, Cl. 437-195.000.

Chantriaux, Eric; and Grobelny, Henri, to Aluminium Pechiney. Apparatus for the decomposition of sodium aluminate liquor for the production of alumina. 4,818,499, 4-4-89, Cl. 422-227.000.

Chantriaux, Eric; and Grobelny, Henri, to Aluminium Pechiney. Process for the decomposition of sodium aluminate liquor for the production of alumina. 4,865,825, 9-12-89, Cl. 423-127.000.

Chanvin, Jean-Louis; Cote, Anselme; and Menou, Georges, to Spie Batignolles; and Regie Autonome des Transports Parisiens. Device for aiding maintenance of an electromechanical installation having automatic monitoring and control means. 4,847,894, 7-11-89, Cl. 379-104.000.

Chanzy, Henri; Paillet, Michel; and Peguy, Alain, to Centre National de la Recherche Scientifique. Process for the preparation of solutions of a ligno-cellulosic material and solutions obtained. 4,851,522, 7-25-89, Cl. 536-56.000.

Chanzy, Henri D.; and Paillet, Michel, to Institut Textile de France; and Centre de Recherche Scientifique. Process for the preparation of a shapeable solution of cellulose in the presence of a tertiary amine oxide and an additive. 4,880,469, 11-14-89, Cl. 106-203.000.

Chao, Chien C.; Sherman, John D.; and Barkhausen, Craig H., to UOP. Latex polymer bonded crystalline molecular sieves. 4,822,492, 4-18-89, Cl. 210-679.000.

Chao, Chien C., to UOP. Process for separating nitrogen from mixtures thereof with less polar substances. 4,859,217, 8-22-89, Cl. 55-68.000.

Chao, Chung-Yao; and Breedis, John F., to Olin Corporation. Interdiffusion resistant Fe—Ni alloys having improved glass sealing. 4,816,216, 3-28-89, Cl. 420-94.000.

Chao, Dwight W. Card game. 4,795,161, 1-3-89, Cl. 273-292.000.

Chao, Fung-Ching, to Industry Technology Research Institute. Isolation structures for integrated circuits. 4,818,235, 4-4-89, Cl. 437-61.000.

Chao, Fung-Ching, to Industrial Technology Research Institute. Method of fabricating a LDDFET with self-aligned silicide. 4,818,715, 4-4-89, Cl. 437-44.000.

Chao, Fung-Ching, to Industrial Technology Research Institute. Ladder gate LDDFET. 4,837,180, 6-6-89, Cl. 437-44.000.

Chao, Herbert S., to General Electric Company. Photoactive and thermally active polymeric iodonium salts, use, and method for making. [illegible]5,159, 7-4-89, Cl. 525-390.000.

Chao, Herbert S.: *See*—

Johnson, Bruce C.; Hovatter, Thomas W.; Rice, Steven T.; and Chao, Herbert S., 4,808,674, Cl. 525-397.000.

Chao, Hsun-Wei. Retractable tool-free window frame. 4,856,255, 8-15-89, Cl. 52-769.000.

Chao, Hung-Hsiang J.; and Lee, Sang H., to Bell Communications Research, Inc. Time division multiplexer for DTDM bit streams. 4,833,673, 5-23-89, Cl. 370-94.000.

Chao, Hung-Hsiang J., to Bell Communications Research, Inc. DTDM multiplexer with cross-point switch. 4,855,999, 8-8-89, Cl. 370-112.000.

Chao, Hung-Hsiang J.: *See*—

Beckner, Mark W.; Chao, Hung-Hsiang J.; Robe, Thomas J.; and Smoot, Lanny S., 4,819,226, Cl. 370-55.000.

Chao, Kuo-Hua, to Shell Oil Company. Alkylation of amine compounds. 4,812,595, 3-14-89, Cl. 564-463.000.

Chao, Kuo-Hua, to Shell Oil Company. Process for the preparation of alkyl 4-ketoalkanoates. 4,837,356, 6-6-89, Cl. 560-174.000.

Chao, Kuo-Hua, to Shell Oil Company. Alkylation of amine compounds. 4,845,295, 7-4-89, Cl. 564-463.000.

Chao, Ming-Te, to Bell Communications Research, Inc. Methods and apparatus for fault recovery. 4,866,712, 9-12-89, Cl. 371-5.100.

Chao, Patrick. Collapsible ladder. 4,884,659, 12-5-89, Cl. 182-164.000.

Chao, Suyueh: *See*—

Hsu, Chi-Chu; Yu, Chin-ching; Chao, Suyueh; and Huang, Miguel C. J., 4,871,042, Cl. 180-220.000.

Huang, Miguel E. J.; Chao, Suyueh; Yu, Chin-Ching; and Hsu, Chi-Chu, 4,811,495, Cl. 34-131.000.

Chao, Tai-Hsiang, to Allied-Signal Inc. Stepwise formation of channel walls in honeycomb structures. 4,812,276, 3-14-89, Cl. 264-177.110.

Chao, Tai-Hsiang, to Allied-Signal Inc. Die for extruding ultrafine honeycomb structures. 4,846,657, 7-11-89, Cl. 425-190.000.

Chao, Tai-Hsiang, to Allied-Signal Inc. Die for extruding and wash coating. 4,884,960, 12-5-89, Cl. 425-97.000.

Chao, Tai-Hsiang: *See*—

Martindale, David C.; Kocal, Joseph A.; and Chao, Tai-Hsiang, 4,795,845, Cl. 585-415.000.

Chao, Tai S., to Atlantic Richfield Company. Oil additive having reduced lacquer forming tendencies. 4,861,504, 8-29-89, Cl. 252-48.200.

Chao, Tzy-Hong; Campbell, Edward R., III; and Lewis, Henry G., Jr., to RCA Licensing Corporation. Adaptive television ghost cancellation system including filter circuitry with non-integer sample delay. 4,864,403, 9-5-89, Cl. 358-167.000.

Chao, Tzy-Hong S., to RCA Licensing Corporation. Subnyquist demodulator as for a television receiver. 4,870,480, 9-26-89, Cl. 358-23.000.

Chao, Wen-Kwei. Push-type writing instrument. 4,844,639, 7-4-89, Cl. 401-65.000.

Chao, Yong-Sheng; Fernandez, Salvador M.; and Guignon, Ernest F., to Chimerix Corporation. Method and appartatus for improved time-resolved fluorescence spectroscopy. 4,855,930, 8-8-89, Cl. 364-497.000.

Chap, John P., to Selfix, Inc. Nestable stackable bin basket. 4,848,620, 7-18-89, Cl. 220-19.000.

Chap, John P.: *See*—

Gresens, Stanley T.; and Chap, John P., 4,826,119, Cl. 248-223.300.

Chaparral Communications: *See*—

Taggart, Robert B., 4,829,313, Cl. 343-756.000.

Chaparral Steel Company: *See*—

Wright, Peter, 4,824,492, Cl. 148-12.400.

Chapas, Richard B.; and Mavinkurve, Pramod, to Personal Products Company. Absorbent body with fluid transport means. 4,820,295, 4-11-89, Cl. 604-385.100.

Chapas, Richard B.: *See*—

Mattingly, William B., III; Cabe, Alex W., Jr.; Chapas, Richard B.; and Sampson, Arthur J., Jr., 4,806,411, Cl. 428-139.000.

Chapdelaine, Albert H.; Kures, Vasek J.; and Grey, Ronald T., to Wm. Wrigley Jr. Company. Method of optimizing texture and processability of chewing gums and compositions made therefrom. 4,803,083, 2-7-89, Cl. 426-3.000.

Chapdelaine, Albert H.: *See*—

Kubota, Robin M.; Thomas, Sharon M.; Chapdelaine, Albert H.; and Courtright, Steven B., 4,806,[illegible]64, Cl. 426-5.000.

Chapel, Roy W., Jr.; Duperon, David N.; and Meadows, Joseph E. Compound resistor and manufacturing method therefore. 4,803,457, 2-7-89, Cl. 338-195.000.

Chapelain, Jean C.: *See*—

Penicaut, Alain M. R.; and Chapelain, Jean C., 4,819,403, Cl. 52-741.000.

Chapin, David S.; and Stack, Paul D., Jr., to Cooper Industries, Inc. Conductor stripping tool. 4,805,301, 2-21-89, Cl. 30-90.100.

Chapin, David S.; Farnham, Gil; and Burgin, Al, to Cooper Industries, Inc. Self-igniting portable torch assembly. 4,881,894, 11-21-89, Cl. 431-255.000.

Chapin, Donald W., to Allied-Signal Inc. Fluidic set point amplifier apparatus and method, and uses thereof. 4,833,880, 5-30-89, Cl. 60-39.281.

Chapin, Jay R.; and Luich, Thomas M., to National Semiconductor Corp. High speed current limiting sense amplifier. 4,845,442, 7-4-89, Cl. 330-310.000.

Chapin, John T.; and Sabia, Raffaele A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Articles comprising a mineral-oil-free encapsulant. 4,849,579, 7-18-89, Cl. 174-74.00R.

Chapin, John T.; and Sabia, Raffaele A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Mineral-oil-free encapsulant composition. 4,876,303, 10-24-89, Cl. 524-296.000.

Chapin, Thomas B.: *See*—

Merrill, Marcellus S.; and Chapin, Thomas B., 4,856,199, Cl. 33-203.170.

Chapkovich, John S., III: *See*—

Paulis, George J.; and Chapkovich, John S., *III*, 4,848,133, Cl. 73-1.00H.

Chapleo, Christopher; and Myers, Peter L., to Reckitt & Colman Products Limited. Imidazoline derivative and method of treating depression therewith. 4,818,764, 4-4-89, Cl. 514-397.000.

Chaplick, Joseph S.: *See*—

Langlais, George O.; Wang, Pat Y. H.; and Chaplick, Joseph S., 4,822,416, Cl. 106-21.000.

Langlais, George O.; Wang, Pat Y. H.; and Chaplick, Joseph S., 4,822,769, Cl. 503-214.000.

Chaplin, Daniel J., to Grass Valley Group, Inc., The. Hybrid wipe generator. 4,811,102, 3-7-89, Cl. 358-183.000.

Chaplin, Daniel J., to Grass Valley Group Inc., The. Shadow visual effects wipe generator. 4,887,159, 12-12-89, Cl. 358-183.000.

Chaplin, Michael R.: *See*—

Storm, John M.; and Chaplin, Michael R., 4,845,328, Cl. 219-10.590.

Chapman, Alex B.: *See*—

Kage, Hermann J.; Detterman, Don E.; Eden, Wade A.; and Chapman, Alex B., 4,823,150, Cl. 346-146.000.

Chapman, Barry L. W.: *See*—

Mansfield, Peter; and Chapman, Barry L. W., 4,873,503, Cl. 335-216.000.

Chapman, Brenda S.; Sharon, James W.; and Shuler, Charles M., to Exxon Chemical Patents Inc. Extrusion coated circular woven fabric. 4,844,958, 7-4-89, Cl. 428-36.100.

Chapman, David C.; and Erck, Wesley R., to VLSI Technology, Inc. Method for making a reticle mask. 4,849,313, 7-18-89, Cl. 430-5.000.

Chapman, David J., to D. J. C. Electrical Engineering Pty. Ltd. Apparatus for preparing samples. 4,871,309, 10-3-89, Cl. 432-156.000.

Chapman, Derek D.; and Weber, Helmut, to Eastman Kodak Company. Thiadiazolyl-azo-pyrazole yellow dye-donor element for thermal dye transfer. 4,885,272, 12-5-89, Cl. 503-227.000.

Chapman, Derek D.: *See*—

Byers, Gary W.; and Chapman, Derek D., 4,871,714, Cl. 503-227.000.

Byers, Gary W.; and Chapman, Derek D., 4,876,237, Cl. 503-227.000.

Chen, Chung Y.; Riecke, Edgar E.; Harbison, Kenneth G.; and Chapman, Derek D., 4,877,724, Cl. 430-621.000.

Chapman, Dwain R., deceased (by Chapman, Twila V., legal representative), to Fused Kontacts of Chicago. Acrylic silicate compositions and methods and highly oxygen-permeable polyacrylates made therefrom. 4,824,922, 4-25-89, Cl. 526-279.000.

Chapman, Dwight E.: *See*—

Tedeschi, Vincent; and Chapman, Dwight E., 4,844,972, Cl. 428-246.000.

Chapman, Fred I. Tailgate assembly. 4,861,093, 8-29-89, Cl. 296-180.100.

Chapman, Glenn H.: *See*—

Herndon, Terry O.; and Chapman, Glenn H., 4,843,034, Cl. 437-189.000.

Raffel, Jack I.; Yasaitis, John A.; Chapman, Glenn H.; Naiman, Mark L.; and Burns, James A., 4,810,663, Cl. 437-19.000.

Chapman, James J.: *See*—

Walton, Charles F.; Sucheski, Robert J.; Bridenbaugh, James F.; and Chapman, James J., 4,858,381, Cl. 47-79.000.

Chapman, James M., Jr.: *See*—

Hall, Iris H.; Wyrick, Steven D.; and Chapman, James M., Jr., 4,861,778, Cl. 514-248.000.

Chapman, John P.: *See*—

Buuck, Bryce A.; Chapman, John P.; and Clark, David P., 4,815,424, Cl. 123-90.460.

Chapman, John W., to Micron Technology, Inc. Pressurized vessel with false bottom and throughpipe coated at weld site. 4,877,525, 10-31-89, Cl. 210-289.000.

Chapman, Lloyd R.: *See*—

Holcombe, Cressie E., Jr.; and Chapman, Lloyd R., 4,810,300, Cl. 106-086.100.

Chapman, Monty C., Jr.: *See*—

Bowser, Harold R., Sr.; and Chapman, Monty C., Jr., 4,838,176, Cl. 108-53.300.

Chapman, Richard A.; and Teng, Clarence W., to Texas Instruments Incorporated. Integrated circuit isolation process. 4,842,675, 6-27-89, Cl. 156-643.000.

Chapman, Richard A.: *See*—

Holloway, Thomas C.; Haken, Roger A.; and Chapman, Richard A., 4,845,047, Cl. 437-45.000.

Tang, Thomas E.; Wei, Che-Chia; Haken, Roger A.; and Chapman, Richard A., 4,890,141, Cl. 357-23.300.

Chapman, Robert C., to Mallinckrodt, Inc. Method of preparing alpha-arylalkanoic esters. 4,843,169, 6-27-89, Cl. 560-105.000.

Chapman, Robert D.; Andreshak, John L.; and Shackelford, Scott A., to United States of America, Air Force. Energetic diethers and process for their preparation. 4,855,508, 8-8-89, Cl. 568-589.000.
Chapman, Robert M.; and Menchetti, Robert J., to National Gypsum Company. Wall trim member. 4,843,771, 7-4-89, Cl. 52-288.000.
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Menchetti, Robert J.; Weir, Richard P.; and Chapman, Robert M., 4,843,784, Cl. 52-127.500.
Chapman, Ronald H., to Motorola, Inc. Adaptive range/DC restoration circuit for use with analog to digital convertes. 4,827,191, 5-2-89, Cl. 341-132.000.
Chapman, Tracy E.: *See—*
Clark, Howard W.; and Chapman, Tracy E., 4,840,676, Cl. 106-462.000.
Chapman, Twila V., legal representative: *See—*
Chapman, Dwain R., deceased, 4,824,922, Cl. 526-279.000.
Chapman, Walter C., to General Motors Corporation. Compartment panel control apparatus for a motor vehicle. 4,851,742, 7-25-89, Cl. 318-286.000.
Chapman, Walter C.: *See—*
Compeau, David E.; Rogers, Lloyd W.; Pyszel, Ronald J.; and Chapman, Walter C., 4,823,059, Cl. 318-454.000.
Chapman, Walter R. Intake valve for air compressors and the like. 4,826,134, 5-2-89, Cl. 251-333.000.
Chapman, Ward W. Machine for removing tiles and like covering material from roof surfaces. 4,837,933, 6-13-89, Cl. 30-120.000.
Chapman, William C. Adjustable vice-locking end wrench. 4,794,824, 1-3-89, Cl. 81-165.000.
Chapman, William I., to Williams International Corporation. Rotary fuel injection system. 4,870,825, 10-3-89, Cl. 60-745.000.
Chapnick, Bernard. Shoe insert and laminating method. 4,823,483, 4-25-89, Cl. 36-43.000.
Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Leong, Koon-Wah; and Kumar, Anand, to Technicon Instruments Corporation. Compounds, reagents and procedures for determining cations. 4,808,539, 2-28-89, Cl. 436-74.000.
Chapoteau, Eddy; and Scott, W. James, to Technicon Instruments Corporation. Carbonate selective membrane and electrode. 4,810,351, 3-7-89, Cl. 204-418.000.
Chapoteau, Eddy: *See—*
Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.
Chapotel, Bernard: *See—*
Mauleon, Jean-Louis; Sigaud, Jean-Bernard; Chapotel, Bernard; and Seglin, Leonard, 4,875,993, Cl. 208-113.000.
Chapotier, Daniel J., to Fournitures Electro Techniques. Prefabricated electric connection device for connection to a set of bars. 4,815,985, 3-28-89, Cl. 439-212.000.
Chapoton, Christian: *See—*
Millet, Jean M.; and Chapoton, Christian, 4,834,076, Cl. 128-65.000.
Chapotot, Michel, to Jaeger. Display device of the galvanometric or logometric type, including a control circuit in form of an integrated circuit chip. 4,835,460, 5-30-89, Cl. 324-97.000.
Chapoy, Lawrence: *See—*
Gardano, Andrea; Casagrande, Francesco; Foa, Marco; Petrini, Guido; Barisone, Riccardo; and Chapoy, Lawrence, 4,885,409, Cl. 568-834.000.
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Chappas, Walter J.: *See—*
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Chappel, Bernard, to Societe pour l'Application de l'Optique et de l'Electronique a la Recherche et a l'Automatisation Optelec. Electric transformer for microwave ovens. 4,812,798, 3-14-89, Cl. 336-98.000.
Chappel, Gilmore H. Automatic bicycle transmission. 4,836,046, 6-6-89, Cl. 74-594.200.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., to International Business Machines Corporation. Source-follower emitter-coupled-logic receiver circuit. 4,835,419, 5-30-89, Cl. 307-475.000.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., to International Business Machines Corporation. Complementary output, high-density CMOS decoder/driver circuit for semiconductor memories. 4,843,261, 6-27-89, Cl. 307-449.000.
Chappell, Barbara A.; Lien, Yeong-Chang; and Tang, Jeffrey Y., to International Business Machines Corporation. Transportable memory architecture. 4,845,669, 7-4-89, Cl. 365-51.000.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., to International Business Machines Corporation. Pipelined memory chip structure having improved cycle time. 4,845,677, 7-4-89, Cl. 365-189.020.
Chappell, Norman W. Spectacle frame having removable decorative elements. 4,884,883, 12-5-89, Cl. 351-52.000.
Chappell, Robert E., to Babcock & Wilcox Company, The. Fiber optic high and low level alarms. 4,813,759, 3-21-89, Cl. 350-96.160.
Chappell, Terry I.: *See—*
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., 4,835,419, Cl. 307-475.000.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., 4,843,261, Cl. 307-449.000.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., 4,845,677. Cl. 365-189.020.
Chapple, Andrew P., to Unilever Patent Holdings B.V. Process for preparing a silica-magnesia cogel catalyst. 4,849,394, 7-18-89, Cl. 502-234.000.

Chapple, James H. Voice override and amplitude control circuit. 4,881,123, 11-14-89, Cl. 381-104.000.
Chappoux, Claude; Rouesnel, Bernard; and Gillet, Guy, to Ronis S.A. and Super Market Systems. Deposit system installation for trolleys. 4,840,264, 6-20-89, Cl. 194-212.000.
Chappuis, John, to Kugler, Fonderie et Robinetterie S.A. Multipart handle for a sanitary tap. 4,823,435, 4-25-89, Cl. 16-121.000.
Charak, Betty J.: *See—*
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Charamnac, Jean-Marie: *See—*
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Charatan, Norman. Oral hygiene device. 4,836,227, 6-6-89, Cl. 132-324.000.
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Charbonnages de France: *See—*
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Delebarre, Arnaud; and Witwicki, Paul W., 4,880,311, Cl. 366-101.000.
Flament, Gerard, 4,838,185, Cl. 110-347.000.
Large, Jean-Francois; and Guigon, Pierre F., 4,796,691, Cl. 165-104.160.
Noel, Marc, 4,862,157, Cl. 340-825.000.
Charbonneau, Arthur G.; Hale, Stanley N.; and Sayed, Edmond A., to Movats Incorporated. Method and apparatus for remote monitoring of valves and valve operators. 4,831,873, 5-23-89, Cl. 73-168.000.
Charbonneau, Arthur G.; McMennamy, John A.; and Nafziger, Steven, to NSS of Delaware, Inc. Motor operated valve analysis and testing system with monitoring of spring pack movement through torque switch post. 4,860,596, 8-29-89, Cl. 73-862.320.
Charbonneau, Duane L.; Moore, Debra J.; and Shulman, Joel I., to Procter & Gamble Company, The. Oral treatment method for reducing plaque with reduced staining. 4,886,658, 12-12-89, Cl. 424-53.000.
Charbonneau, Duane L.: *See—*
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Charbonneau, Jack W., to Minnesota Mining and Manufacturing Company. Fragrance releasing pull-out sampler. 4,889,755, 12-26-89, Cl. 428-42.000.
Charbonneau, Louis. Arches driver. 4,800,673, 1-31-89, Cl. 47-1.00R.
Charbonnier, Francis M.; Rockwell, Martin G.; and Benvegar, Carl E., to Hewlett-Packard Company. Current-based defibrillator. 4,840,17 6-20-89, Cl. 128-419.00D.
Charbonnier, Jacques, to Bendix France. Drum brake with automatic adjustment. 4,809,826, 3-7-89, Cl. 188-79.520.
Charbonnier, Jean; and Goliard, Francois, to Cegedur Societe de Transformation de l'Aluminium Pechiney. Method and apparatus for sand moulding composite articles with a die made of light alloy and a fibrous insert. 4,889,177, 12-26-89, Cl. 164-97.000.
Charbonnier, Jean-Claude; Roche, Alain; Romand, Maurice; Lenor, Janine; and Sahakian, Eric, to Institut de Recherches de la Siderurgie Francaise. Process for the chemical surface treatment of an aluminous product with a view to its phosphating. 4,844,748, 7-4-89, Cl. 148-254.000.
Charbonnier, Roger, to Schlumberger Industries. Oscillator, in particular a surface acoustic wave oscillator, frequency controlled by controlling its temperature. 4,862,110, 8-29-89, Cl. 331-70.000.
Charczuk, Bogdan: *See—*
Evans, John G.; and Charczuk, Bogdan, 4,823,896, Cl. 180-24.01
Chard, Brian C.; Bale, Christopher R.; Gill, Beresford R.; Herron, David; and Garrett, Stephen J. Smoking device. 4,848,374, 7-18-8 Cl. 131-330.000.
Chardin, Michel: *See—*
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Chareire, Jean-Louis; and Lapeyre, Didier, to Aerospatiale Societe Nationale Industrielle. Total artificial heart comprising two disconnected pumps associated into one functionally indissociable unit. 4,820,301, 4-11-89, Cl. 623-3.000.
Chareire, Jean-Louis; and Lapeyre, Didier, to Aerospatiale Societe Nationale Industrielle. Extra-pericardial module for total cardiac prosthesis modules associated in a functionally indissociable unit. 4,822,356, 4-18-89, Cl. 623-3.000.
Chareire, Jean-Louis. Mechanical leg-propulsion assistance device. 4,872,665, 10-10-89, Cl. 272-70.000.
Chareire, Jean-Louis: *See—*
Renard, Pierre; and Chareire, Jean-Louis, 4,813,967, Cl. 623-66.000.
Charest, Joseph R. J. L. Apparatus for uncoupling the threaded connection of a pump impeller. 4,843,702, 7-4-89, Cl. 29-240.000.
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Charkey, Allen: *See—*
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Charkley, Neville J.: *See—*
Ogleby, John W.; and Charkley, Neville J., 4,882,285, Cl. 436-98.000.
Charkoudian, John C., to Kendall Company, The. Model human skin. 4,877,454, 10-31-89, Cl. 106-131.000.

Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P.; Kovarsky, Alexandr V.; and Egorov, Jury G., to Vitebsky Tekhnologichesky Institut Legkoi Promyshlennosti. Single warp-knitted pile fabric. 4,805,424, 2-21-89, Cl. 66-194.000.
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Lemieux, Andre; and Charland, Gabriel, 4,860,889, Cl. 206-315.600.
Charland, Robert S. Restraining device. 4,854,138, 8-8-89, Cl. 70-16.000.
Charles C. Worth Corporation: *See—*
Young, John N., 4,815,676, Cl. 242-219.000.
Charles, Fong and Associates: *See—*
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Charles Greiner and Company, Inc.: *See—*
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Charles, Herbert N., to Bendix Electronics Limited. Non-ram cooling system. 4,846,258, 7-11-89, Cl. 165-41.000.
Charles, James A.; Copham, Piers M.; and Fray, Derek J., to British Petroleum Company p.l.c., The. Metal separation process. 4,869,790, 9-26-89, Cl. 204-64.00R.
Charles, Kirk W.: *See—*
Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., 4,806,097, Cl. 432-60.000.
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Charles, Richard J.; and Gaddipati, Achuta R., to General Electric Company. Method of making a ferrite composite containing silver metallization. 4,880,599, 11-14-89, Cl. 419-6.000.
Charles, Richard J.: *See—*
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Charles, Robert G., to Westinghouse Electric Corporation. Superconducting niobium alloys. 4,865,644, 9-12-89, Cl. 75-84.500.
Charles Stark Draper Laboratory, Inc., The: *See—*
Araujo, Richard K., 4,812,654, Cl. 250-338.100.
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Browne, Fredrick D.; and Martin, Jacob H., 4,872,316, Cl. 62-129.000.
Byong-Ho, Ahn; Fulton, Donald E.; Gilinson, Philip J., Jr.; Whipple, David C.; and Curtiss, William P., 4,868,479, Cl. 318-721.000.
Coccoli, Joseph D.; Stemniski John R.; and Cardarelli, Donato, 4,796,968, Cl. 350-96.150.
Coccoli, Joseph D., 4,840,489, Cl. 356-350.000.
Coccoli, Joseph D., 4,863,272, Cl. 356-350.000.
Dahlgren, Robert P., 4,883,337, Cl. 350-96.290.
Dawson, Thomas F.; and Ewing, Paul C., 4,878,315, Cl. 51-165.00R.
De Fazio, Thomas L, 4,809,467, Cl. 51-358.000.
De Fazio, Thomas L., 4,848,757, Cl. 267-150.000.
Fulton, Donald E., 4,862,049, Cl. 318-689.000.
Fyler, Donald C., 4,858,906, Cl. 271-19.000.
Galler, Francis A., 4,839,832, Cl. 364-552.000.
Hoag, David G., 4,849.666, Cl. 310-90.500.
Nuytkens, Peter, 4,841,544, Cl. 375-1.000.
Seltzer, Donald S., 4,866,854, Cl. 33-558.000.
Siraco, Frank J.; and Barrett, David S., 4,836,119, Cl. 112-306.000.
Van Broekhoven, Paul; and Guinon, Walter J., 4,890,055, Cl. 324-77.00B.
Whitney, Daniel E., 4,841,616, Cl. 29-157.00A.
Williams, John R., 4,835,304, Cl. 560-144.000.
Yundt, George B., 4,804,903, Cl. 324-130.000.
Charleson, F. Peter, to Merck & Co., Inc. Stabilized radiopharmaceutical compositions. 4,880,615, 11-14-89, Cl. 424-1.100.
Charlier, Alain G. R., to Labofina, S.A. Dispersant compositions for treating oil slicks. 4,830,759, 5-16-89, Cl. 210-749.000.
Charlier, Jean; Geenen, Bernard; Laurent, Bernard; Lorsignol, Jean; Malherbe, Andre; and Perbos, Jean-Luc, to Matra. Optical data transmission with frequency multiplexing. 4,800,556, 1-24-89, Cl. 370-3.000.
Charlier, Michael L.: *See—*
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Charlson, Earl J.: *See—*
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Charlton, David E.: *See—*
Bhagavatula, Venkata A.; and Charlton, David E., 4,889,404, Cl. 350-96.160.
Charlton, John C. Foot-operated door security device. 4,797,970, 1-17-89, Cl. 16-82.000.
Charlton, John C.; Midgley, John E.; and Wilkins, Terence A., to Amersham International plc. Assay for the free portion of substances in biological fluids. 4,839,299, 6-13-89, Cl. 436-500.000.
Charlton, Roger: *See—*
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Charlton, Steven C.; and Kurchacova, Elva, to Miles Inc. Multiple oxidative indicator system for visual determination of hydrogen peroxide. 4,855,228, 8-8-89, Cl. 435-28.000.
Charm, Stanley E. High temperature, short time heating system and method of sterilizing or pasteurizing heat sensitive biological fluids. 4,839,142, 6-13-89, Cl. 422-21.000.

Charmac, Inc.: *See—*
McAfee, Thomas H., 4,799,529, Cl. 160-206.000.
McAfee, Thomas H., 4,850,145, Cl. 49-501.000.
Charman, Neil E. S.: *See—*
Begg, Alan R.; Brown, Colin W.; and Charman, Neil E. S., 4,859,542, Cl. 428-547.000.
Charmasson & Holz: *See—*
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Demellayer, Rene , 4,825,030, Cl. 219-69.120.
Diot, Jean-Claude; and Girardin, Roger, 4,888,462, Cl. 219-69.200.
Francois, Corcelle; and Laszlo, Lakatos, 4,820,894, Cl. 219-69.120.
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Charmley, Richard P., to Walbro Corporation. Diaphragm-controlled carburetor with manual fuel enrichment. 4,814,114, 3-21-89, Cl. 261-35.000.
Charmot, Dominique; and Grosjean, Pierre, to Rhone-Poulenc Films. Novel oriented polyester film composites. 4,880,700, 11-14-89, Cl. 428-337.000.
Charms, Bernard L. Apparatus and method of defibrillation. 4,834,100, 5-30-89, Cl. 128-419.00D.
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Charney, William, to Schering Corporation. Novel *Aspergillus niveus* microorganism used for the chiral reduction of carbonyl groups. 4,879,233, 11-7-89, Cl. 435-254.000.
Charnley, James E.; Cearley, James E.; Dixon, Robert C.; Izzo, Kenneth R.; and Aiello, Louis L., to General Electric Company. Hafnium stainless steel absorber rod for control rod. 4,853,176, 8-1-89, Cl. 376-333.000.
Charonis, Aristidis S.; and Furcht, Leo T., to University of Minnesota, Regents of the. Polypeptides with laminin activity. 4,870,160, 9-26-89, Cl. 530-326.000.
Charpentier, Albert J., to Commodore Business Machines, Inc. Raster monitor for video game displays. 4,813,671, 3-21-89, Cl. 273-1.00E.
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Charpie, Mark E.: *See—*
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Charpin, Jean; Grangeon, Andre; Pejot, Francis; Plurien, Pierre; Rasneur, Bernard; Richard, Serge; and Veyre, Rene, to Commissariat A L'Energie Atomique. Method of manufacturing permeable mineral membranes. 4,888,033, 12-19-89, Cl. 55-158.000.
Charping, Carol S. S. Treatment of disease. 4,818,759, 4-4-89, Cl. 514-260.000.
Charquet, Daniel: *See—*
Bunel, Gerard; Charquet, Daniel; and Dombre, Max, 4,881,992, Cl. 148-421.000.
Charrier, Jean-Michael: *See—*
Dealy, John M.; Charrier, Jean-Michael; and Doshi, Shailesh, 4,883,622, Cl. 264-108.000.
Charron, Jean: *See—*
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Charron, John R. E. Spinner blades for use in water or air. 4,800,669, 1-31-89, Cl. 43-42.190.
Charroppin, Pascal, to Schlumberger Industries. Graphic machine with continuous storing device. 4,823,147, 4-18-89, Cl. 346-136.000.
Charters, William E. Dust removal attachment. 4,821,365, 4-18-89, Cl. 15-339.000.
Chartier, Marc E. P., to Societe Anonyme de Telecommunications. Laser generator with zeolitic catalyst carrier and method of making same. 4,815,092, 3-21-89, Cl. 372-59.000.
Chartoff, Richard P.: *See—*
Butler, John M.; Chartoff, Richard P.; and Harvey, James A., 4,855,450, Cl. 548-522.000.
Charton, Rene; and Kleen, Berend, to WABCO Westinghouse Fahrzeugbremsen GmbH. Circuit arrangement for sensing the displacement of a movable iron core relative to a magnetic coil by measuring the decay time of a constant current flowing through the magnetic coil. 4,859,942, 8-22-89, Cl. 324-208.000.
Chartrand, Clement. Balcony ramp mounted table convertible into a seat. 4,889,057, 12-26-89, Cl. 108-42.000.
Chartrand, Raymond J.; and Deambrosio, Carlos A., to Electrovert Limited. Foam fluxer. 4,796,558, 1-10-89, Cl. 118-74.000.
Charvet, Jean L., to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Pneumatic tire having bead rings each formed by a stack of ribbons of curved shape. 4,794,967, 1-3-89, Cl. 152-539.000.
Charvin, Guy. Autonomous devices for heating food containers. 4,809,673, 3-7-89, Cl. 126-263.000.
Charvin, Guy. Connecting device for an extracorporeal circulation circuit. 4,850,954, 7-25-89, Cl. 604-4.000.
Chas S. Lewis & Co., Inc.: *See—*
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Chasar, Dwight W., to B. F. Goodrich Company, The. Vulcanization accelerators. 4,866,138, 9-12-89, Cl. 525-330.900.
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Chase, Alan L.; and Prevost, Michael T., to Simplicity Manufacturing, Inc. Mower belt transmission with blade brake. 4,813,215, 3-21-89, Cl. 56-11.600.

Chase, Anthony J.; and Payne, John E., to Sabre International Products Limited. Knives with molded protective cover and handle. 4,825,545, 5-2-89, Cl. 30-153.000.

Chase, Charles E., Jr.: *See—*

  Laton, Richard W.; Chase, Charles E., Jr.; and Montress, Gary K., 4,871,984, Cl. 331-107.00A.

Chase, Charles J., to Lockheed Corporation. Aircraft runway. 4,888,590, 12-19-89, Cl. 342-3.000.

Chase Chemical Company, L.P.: *See—*

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Chase, Douglas: *See—*

  Owen, William; Bell, Robert; Chase, Douglas; and Briese, Leonard, 4,828,225, Cl. 254-382.000.

Chase, Francis H., III. Composite access floor panel. 4,843,781, 7-4-89, Cl. 52-805.000.

Chase, Herbert S. Folding play structure. 4,883,443, 11-28-89, Cl. 446-478.000.

Chase Industries, Inc.: *See—*

  Mayne, Jimmy, 4,796,765, Cl. 212-205.000.

Chase, John G.; and Hardy, Charles T., to Honeywell Inc. Wireless slip ring assembly. 4,870,311, 9-26-89, Cl. 310-232.000.

Chase, Judith A.; Phelps, Douglas W., Jr.; Redmond, Robert J.; and Starr, Stephen G., to International Business Machines Corporation. Single lead automatic clamping and bonding system. 4,821,945, 4-18-89, Cl. 228-179.000.

Chase, Kathryn M.: *See—*

  Wiley, Ronald L.; Chase, Kathryn M.; Ellis, Annie T.; and Whigham, Roger C., 4,821,925, Cl. 222-129.400.

Chase, Lloyd L.: *See—*

  Payne, Stephen A.; Chase, Lloyd L.; Newkirk, Herbert W.; and Krupke, William F., 4,811,349, Cl. 372-41.000.

Chase, Robert P., Jr.: *See—*

  Leblang, David B.; McLean, Gordon, Jr.; Spilke, Howard; and Chase, Robert P., Jr., 4,809,170, Cl. 364-200.000.

Chasin, Gail U.: *See—*

  Chasin, Lawrence A.; and Chasin, Gail U., 4,818,679, Cl. 435-6.000.

Chasin, Lawrence A.; and Chasin, Gail U., to Columbia University in the City of New York, The Trustees of. Method for recovering mutant cells. 4,818,679, 4-4-89, Cl. 435-6.000.

Chassagneux, Evelyne M.; and Thomas, Gerard A., to ELF France. Process for protecting metallic surfaces against vanadosodic corrosion. 4,844,943, 7-4-89, Cl. 427-34.000.

Chassaing, Francoise; and Chatel, Jean, to L'Etat Francais represente par le Ministre des Ptt (CNET); and Etablissement Public de Diffusion dit Telediffusion de France. Digital double demodulator. 4,804,924, 2-14-89, Cl. 329-1.000.

Chasseguet, Gustave; Naudin, Jacky; and Casse, Pierre, to Valeo. Torsion damping device. 4,838,395, 6-13-89, Cl. 188-378.000.

Chasseguet, Gustave; and Paquin, Jacques, to Valeo. Torsion-damping flywheel. 4,889,218, 12-26-89, Cl. 192-106.200.

Chasseguet, Gustave: *See—*

  Casse, Pierre; and Chasseguet, Gustave, 4,874,350, Cl. 464-68.000.

Chasser, Anthony M.; and Makhlouf, Joseph M., to PPG Industries, Inc. Epoxide and rubber based curable compositions having good adhesion direct to metal. 4,861,833, 8-29-89, Cl. 525-122.000.

Chasseray, Yves. Process and device for opening by the median zone of their bodies, emptying and flattening hermetically closed metal or composite containers. 4,859,132, 8-22-89, Cl. 414-412.000.

Chastain, David M.; and Gostin, Gary B., to Convex Computer Corporation. Microcode computer having dispatch and main control stores for storing the first and the remaining microinstructions of machine instructions. 4,812,972, 3-14-89, Cl. 364-200.000.

Chastain, David M.: *See—*

  Harris, Michael C.; Chastain, David M.; and Gostin, Gary B., 4,873,629, Cl. 364-200.000.

Chastain, Lemuel J. Geodesic structure. 4,796,394, 1-10-89, Cl. 52-81.000.

Chastain, William P., to K-2 Corporaton. Process for treating the metal edge of a ski. 4,818,839, 4-4-89, Cl. 219-76.140.

Chastrette, Francine J.; and Stambouli, Abdelhamid, to Societe Francaise Hoechst. New substituted derivatives of N-ethyl(meth)acrylamide and a method for the preparation thereof. 4,851,577, 7-25-89, Cl. 564-208.000.

Chastrette, Francine J.: *See—*

  Blanc, Alain; Hamedi-Sangsari, Farid; and Chastrette, Francine J., 4,835,320, Cl. 568-465.000.

Chateau, Michel M. Door blocking device. 4,856,830, 8-15-89, Cl. 292-254.000.

Chateauneuf, Leo: *See—*

  Fenn, Lawrence E.; and Chateauneuf, Leo, 4,819,330, Cl. 30-45.000.

Chateignon, Claude: *See—*

  Nguyen, Van T.; Chateignon, Claude; and Deschamps, Georges, 4,797,582, Cl. 307-475.000.

Chatel, Jean: *See—*

  Chassaing, Francoise; and Chatel, Jean, 4,804,924, Cl. 329-1.000.

Chatelain, Francis: *See—*

  Jaques, Bernard; and Chatelain, Francis, 4,821,532, Cl. 63-3.000.

Chatelain, Jean; and LeGrand, Yves, to Atochem. Process for preparing vinyl chloride polymers by mass polymerization with spherical vessel. 4,868,255, 9-19-89, Cl. 526-65.000.

Chatelain, Roland: *See—*

  Lacroix, Roger; Chatelain, Roland; and Kvita, Petr, 4,851,011, Cl. 8-527.000.

Chatelot, Denis, to La Telemecanique Electrique. Inductive device for the rapid exchange of data between two data carriers. 4,864,633, 9-5-89, Cl. 455-41.000.

Chatenay epouse Compagnone, Catherine M. Mobile structure for meeting halls or auditoriums. 4,854,092, 8-8-89, Cl. 52-10.000.

Chatenever, David, to Medical Concepts, Incorporated. Adapter assembly for endoscopic video camera. 4,807,594, 2-28-89, Cl. 128-4.000.

Chatfield, Philip A.; and Shapiro, Eugene, to Olin Corporation. Optical fiber cables for motor vehicle engine compartment applications. 4,802,730, 2-7-89, Cl. 350-96.230.

Chatham, Dale: *See—*

  Ballard, Jerry L.; Chatham, Dale; and Gaulke, Gerald E., 4,866,600, Cl. 364-200.000.

Chatham, Gregory A.: *See—*

  Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., 4,806,097, Cl. 432-60.000.

Chatkis, Jacob. Growing doll. 4,828,528, 5-9-89, Cl. 446-320.000.

Chato, John D. Fluid heater using pulsating combustion. 4,846,149, 7-11-89, Cl. 126-360.00R.

Chatonnet, Joseph: *See—*

  Dittmar, Andre; Delhomme, Georges; Roussel, Bernard; and Chatonnet, Joseph, 4,841,543, Cl. 374-44.000.

Chattan Nominees Pty, Ltd.: *See—*

  Cattanach, John F., 4,848,363, Cl. 128-834.000.

Chattan, Victor. Method and apparatus for deterring birds. 4,841,914, 6-27-89, Cl. 119-97.0AR.

Chatten, Victor H. Drive mechanism. 4,827,642, 5-9-89, Cl. 40-426.000.

Chatterjea, Probir K., to Dresser Industries, Inc. Control system for vehicle transmissions. 4,871,048, 10-3-89, Cl. 192-3.580.

Chatterjee, Ananda M.; and Job, Robert C., to Shell Oil Company. Process for the in-reactor stabilization of polyolefins. 4,818,799, 4-4-89, Cl. 526-123.000.

Chatterjee, Ananda M., to Shell Oil Company. In-reactor stabilization of polyolefins via coated stabilizers. 4,853,426, 8-1-89, Cl. 524-100.000.

Chatterjee, Ananda M., to Shell Oil Company. In-reactor stabilization of polyolefins via coated stabilizers. 4,879,141, 11-7-89, Cl. 427-213.000.

Chatterjee, Devnandan; Harris, Neil V.; Parker, Trevor; Smith, Christopher; and Warren, Peter J., to May & Baker Limited. Pristinamycin process. 4,866,172, 9-12-89, Cl. 540-456.000.

Chatterjee, Dilip K.; and Rao, Srinivas T., to Eastman Kodak Company. Sputtering targets for magneto-optic films and a method for making. 4,824,481, 4-25-89, Cl. 75-246.000.

Chatterjee, Dipak K.: *See—*

  Dhar, Rajkumar; Venugopalan, Bindumadhavan; Chatterjee, Dipak K.; Rupp, Richard H.; and de Souza, Noel J., 4,803,204, Cl. 514-232.800.

Chatterjee, Pallab K., to Texas Instruments Incorporated. Method of fabricating an integrated circuit with metal interconnecting layers above and below active circuitry. 4,889,832, 12-26-89, Cl. 437-203.000.

Chatterjee, Pallab K.: *See—*

  Malhi, Satwinder; Bean, Kenneth E.; Driscoll, Charles C.; and Chatterjee, Pallab K., 4,855,809, Cl. 357-75.000.

  Shah, Ashwin H.; and Chatterjee, Pallab K., 4,810,906, Cl. 307-448.000.

Chatterjee, Ranjit; and Kirchner, Stephen J., to Procter & Gamble Company, The. Photoprotection compositions comprising sorbohydroxamic acid. 4,869,897, 9-26-89, Cl. 424-47.000.

Chatterjee, Ranjit: *See—*

  Bissett, Donald L.; Bush, Rodney D.; and Chatterjee, Ranjit, 4,847,071, Cl. 424-59.000.

  Bissett, Donald Lynn; and Chatterjee, Ranjit, 4,847,069, Cl. 424-47.000.

Chatterjee, Shyam S.; and Klessing, Klaus, to Dr. Willmar Schwabe GmbH & Company. 5-arylalkyl-4-alkoxy-2(5H)-furanones, intermediates and processes for the preparation thereof and medicaments containing them. 4,855,320, 8-8-89, Cl. 514-473.000.

Chatterson, Louis M.; and Cutean, Bruce, to Haworth, Inc. Panel por retention system. 4,882,885, 11-28-89, Cl. 52-221.000.

Chattha, Mohinder S.; and Gandhi, Harendra S., to Ford Motor Company. Metal articles having corrosion-resistant epoxy coatings. 4,808,441, 2-28-89, Cl. 427-386.000.

Chattha, Mohinder S.: *See—*

  Siegl, Walter O.; and Chattha, Mohinder S., 4,795,505, Cl. 14- 6.14R.

  Siegl, Walter O.; and Chattha, Mohinder S., 4,830,680, Cl. 148-248.000.

  Siegl, Walter O.; and Chattha, Mohinder S., 4,840,667, Cl. 106-14.150.

Chattin Binder Bows, Inc.: *See—*

  Chattin, Jesse, 4,834,061, Cl. 124-86.000.

Chattin, Jesse, to Chattin Binder Bows, Inc. Cable vibraguard. 4,834,061, 5-30-89, Cl. 124-86.000.

Chattin, Jesse R. Gear Mechanism for compound bow. 4,887,5 12-19-89, Cl. 124-23.00R.

Chattin, Robert A., to Gendex Corporation. MAS regulator circuit for high frequency medical X-ray generator. 4,831,642, 5-16-89, Cl. 378-108.000.

Chattin, Robert A., to Gendex Corporation. KVP regulator and resonant circuit for high frequency medical x-ray generator. 4,851,983, 7-25-89, Cl. 363-136.000.

Chattin, Robert A., to Gendex Corporation. High voltage transformer for high frequency medical X-ray generator. 4,868,462, 9-19-89, Cl. 315-277.000.

Chattopadhyay, Arun K.: *See—*

  Ghosh, Pushpito K.; Bhattacharyya, Dhirendra N.; Iyer, Rama S.; Chikale, Sudhakar V.; Chattopadhyay, Arun K.; Paul, Sasanka S.; and Rao, Vattipalli M., 4,808,251, Cl. 149-2.000.

Chatwin, Ian M. Electronic surveillance system and transceiver unit therefor. 4,812,820, 3-14-89, Cl. 340-518.000.

Chatzopoulos, Farroudja O.: *See—*

  Nofre, Claude; Tinti, Jean M.; and Chatzopoulos, Farroudja O., 4,877,895, Cl. 558-413.000.

Chau, Albert W.; and Mercer, John E., to Flow Industries, Inc. An above-ground arrangement for and method of locating a discrete in ground boring device. 4,806,869, 2-21-89, Cl. 324-326.000.

Chau, Albert W., to FlowMole Corporation. Inground boring technique including real time transducer. 4,864,293, 9-5-89, Cl. 340-856.000.

Chau, Albert W.; and Mercer, John E., to FlowMole Corporation. Homing technique for an in-ground boring device. 4,881,083, 11-14-89, Cl. 342-459.000.

Chau, Albert W.: *See—*

  Baker, Glen; Chau, Albert W., Fikse, James A.; and Mercer, John E., 4,856,600, Cl. 175-26.000.

  Baker, Glen C.; Chau, Albert W.; Fikse, James A.; and Mercer, John E., 4,821,815, Cl. 175-26.000.

  Baker, Glen O.; Feldman, Dmitry; Ng, Shiu S.; Chau, Albert W.; and Mercer, John E., 4,867,255, Cl. 175-61.000.

Chau, C. C.; Im, Jang-hi; Raspor, Otto C.; and Tung, Lu H., to Dow Chemical Company, The. Method for preparing an asymmetric semi-permeable membrane. 4,873,037, 10-10-89, Cl. 264-49.000.

Chau, C. C.; and Im, Jang-hi, to Dow Chemical Company, The. Process of making a porous membrane. 4,874,568, 10-17-89, Cl. 264-49.000.

Chau, Chieh-Chun; and Wessling, Ritchie A., to Dow Chemical Company, The. Preparation of asymmetric membranes by the solvent extraction of polymer components from polymer blends. 4,868,222, 9-19-89, Cl. 521-61.000.

Chau, Chieh-Chun: *See—*

  Wessling, Ritchie A.; Chau, Chieh-Chun; and Burmester, Alan F., 4,859,339, Cl. 210-500.340.

Chau, Hin-Leung: *See—*

  Wise, Kensall D.; and Chau, Hin-Leung, 4,815,472, Cl. 128-675.000.

  Wise, Kensall D.; and Chau, Hin-Leung, 4,881,410, Cl. 73-724.000.

Chau-Huu, Tri: *See—*

  Loser, Hans; Chau-Huu, Tri; and Meinecke, Albrecht, 4,882,855, Cl. 34-116.000.

Chau, Kwok Y., to CEC Electrical Manufacturing (Int'l) Co. Ltd. Ceiling fan. 4,808,071, 2-28-89, Cl. 416-5.000.

Chau, Michael M.: *See—*

  Makhlouf, Joseph M.; Chau, Michael M.; and Freid, James R., 4,812,508, Cl. 524-764.000.

Chau, N. Vo, to Bull S.A. Method of extracting a synchronous clock signal from a single- or double-density coded signal, and apparatus for performing the method. 4,809,304, 2-28-89, Cl. 375-110.000.

Chaudhry, Arshad-Ul-Haq, to Scott Bader Company Limited. Heat stable prepastes for wallcoverings. 4,873,124, 10-10-89, Cl. 427-207.100.

Chaudhuri, Dwaipayan: *See—*

  Callingham, Martin; Chaudhuri, Dwaipayan; Curry, Kenneth V.; Pike, Barry G.; and Taylor, Michael B., 4,822,596, Cl. 424-46.000.

Chaudhuri, Ratan K.; Helioff, Michael W.; and Login, Robert B., to GAF Corporation. Fragrance additive. 4,808,569, 2-28-89, Cl. 512-2.000.

Chaudhuri, Ratan K.; Tracy, David J.; and Login, Robert B., to GAF Corporation. Diquarternary nitrogen compounds. 4,886,890, 12-12-89, Cl. 548-519.000.

Chaudhuri, Ratan K.: *See—*

  Bires, Carmen D.; Helioff, Michael W.; and Chaudhuri, Ratan K., 4,848,377, Cl. 132-222.000.

  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,830,850, Cl. 424-70.000.

  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,834,970, Cl. 424-70.000.

  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,837,013, Cl. 424-70.000.

  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,883,655, Cl. 424-70.000.

Chaudhuri, Sujeet K.: *See—*

  Chow, Yung L.; and Chaudhuri, Sujeet K., 4,872,019, Cl. 343-753.000.

Chaudoir, Roderick J., to Hatco Corporation. Self-regulating warmer device for food products. 4,822,981, 4-18-89, Cl. 219-385.000.

Chaudon, Luc; Dobremelle, Michel; Fabre, Jean-Claude; and Geffroy, Jean, to Commissariat a l'Energie Atomique. Apparatus for the dry storage of heat-emitting radioactive materials. 4,834,916, 5-30-89, Cl. 252-633.000.

Chaudry, Imtiaz: *See—*

  Yim, Zachary; Zupon, Martin; and Chaudry, Imtiaz, 4,871,538, Cl. 424-85.700.

Chaudry, Imtiaz A.: *See—*

  Yim, Zachary; Zupon, Michael A.; and Chaudry, Imtiaz A., 4,851,220, Cl. 424-85.700.

  Yim, Zachary; Zupon, Michael A.; and Chaudry, Imtiaz A., 4,853,218, Cl. 424-85.700.

Chaumont, Daniel: *See—*

  Berson, Xavier; Bouyssou, Michel; Castel, Yves; Chaumont, Daniel; and Gudin, Claude, 4,868,123, Cl. 435-290.000.

Chaun-Tien, Chuang. Fishing toy. 4,834,373, 5-30-89, Cl. 273-1.0GG.

Chaun-Tien, Chuang. Fishing toy. 4,838,553, 6-13-89, Cl. 273-1.0GG.

Chaussadas, Jean; and Le Bras, Philippe, to Mead Corporation, The. Open-ended multipak with carrying strap and method. 4,796,754, 1-10-89, Cl. 206-434.000.

Chaussadas, Jean, to Mead Corporation, The. Multipack with top panel keel. 4,875,586, 10-24-89, Cl. 206-427.000.

Chaussadas, Jean, to Mead Corporation, The. Multipack for cans incorporating plastics securing band. 4,880,115, 11-14-89, Cl. 206-427.000.

Chaussard, Jacques: *See—*

  Moingeon, Marie-Odile; Chaussard, Jacques; Troupel, Michel; and Saboureau, Christophe, 4,824,532, Cl. 204-72.000.

Chaut, Yaron. Transfigurating timepieces. 4,858,209, 8-15-89, Cl. 368-223.000.

Chautemps, Jacques; and Vidal, Andre, to Thomson-CSF. Charge transfer matrix type photodetector with integrated charge-filtering device. 4,881,249, 11-14-89, Cl. 377-60.000.

Chauveau, Claude J., to Cycomm Corporation. Precise multiplexed transmission and reception of analog and digital data through a narrow-band channel. 4,864,566, 9-5-89, Cl. 370-109.000.

Chauvel, Gerard, to Texas Instruments Incorporated. System for displaying graphic information on video screen employing video display processor. 4,799,146, 1-17-89, Cl. 364-200.000.

Chauvel, Gerard; and Ciroux, Jean, to Texas Instruments Incorporated. Device for the testing and checking of the operation of blocks within an integrated circuit. 4,811,344, 3-7-89, Cl. 371-15.000.

Chauvel, Gerard, to Texas Instruments Incorporated. Video display control system having improved storage of alphanumeric and graphic display data. 4,814,756, 3-21-89, Cl. 340-750.000.

Chauvel, Gerard; and Boutaud, Frederic, to Texas Instruments Incorporated. Video system with combined text and graphics frame memory. 4,827,249, 5-2-89, Cl. 340-703.000.

Chauvet, Alain; and Bondoux, Didier, to Chauvet, Alain; and S. A. Prisme. Device for joining two skis together which is readily removable with the skis on the feet. 4,817,988, 4-4-89, Cl. 280-817.000.

Chauvet, Gerard: *See—*

  Baptist, Robert; Brenac, Ariel; Chauvet, Gerard; Meyer, Robert; and Muller, Francis, 4,835,438, Cl. 313-309.000.

Chauvet, Philippe: *See—*

  Brunet, Henri; Mabru, Michel; and Chauvet, Philippe, 4,873,695, Cl. 372-58.000.

Chauvier, Jean-Marie; Moussiaux, Leon; and Scoman, Henry, to INTEROX (Societe Anonyme). Stabilized particles of peroxygen compounds, process for their manufacture, and compositions containing them. 4,861,506, 8-29-89, Cl. 252-95.000.

Chauvin, Jean-Michel; and Chilardi, Jean-Pierre R. F., to Entreprise d'Equipments Mecanique et Hydrauliques E.M.H. Rotary joint device for a cryogenic liquid. 4,844,514, 7-4-89, Cl. 285-47.000.

Chauvin, Richard: *See—*

  Alsobrooks, Daniel E.; Bart, Hansueli; Chauvin, Richard; Horn, Thomas A.; Merte, John H.; Mesenich, Gerhard; and Mitts, Donna M., 4,840,163, Cl. 123-533.000.

Chauvin, Yves; Commereuc, Dominique; Hugues, Francois; and Saussine, Lucien, to Institut Francais Du Petrole. Rhenium-containing catalyst for the production of olefins by metathesis. 4,795,734, 1-3-89, Cl. 502-355.000.

Chauvin, Yves; Commereuc, Dominique; Hugues, Francois; Olivier, Helene; and Saussine, Lucien, to Institut Francais Du Petrole. Process for producing organolanthanides, the resultant compounds and their use. 4,845,201, 7-4-89, Cl. 534-15.000.

Chaux, Aurelio, to Pilling Co. Sternal retractor. 4,852,552, 8-1-89, Cl. 128-20.000.

Chavanne - Ketin: *See—*

  Terrasse, Joseph J.; Boucher, Andre; and Seux, Michel, 4,802,528, Cl. 164-428.000.

  Terrasse, Joseph J.; Seux, Michel; and Leveque, Robert, 4,823,451, Cl. 29-129.500.

Chavarria, Lazaro; and Morgan, Tommie J., to Board of Regents, The University of Texas System. Image receptor holder and bite block device. 4,866,750, 9-12-89, Cl. 378-168.000.

Chavdarian, Charles G., to Stauffer Chemical Company. S-cycloalkylmethyl trithiophosphonate insecticides. 4,837,209, 6-6-89, Cl. 514-141.000.

Chave, Jacques: *See—*

  Blanchet, Robert; Choujaa, Abdelkrim; Chave, Jacques; and Viktorovitch, Pierre, 4,865,656, Cl. 148-33.300.

Chaveron, Michel; and Neumann, Fred, to Nestec S.A. Process for treating dairy by-products. 4,803,089, 2-7-89, Cl. 426-239.000.

Chavez, Frank J.; and Bell, John A., to McKesson Corporation. Universal drip catcher. 4,865,225, 9-12-89, Cl. 222-108.000.

Chavez, Ruben E. Wheelchair tray slidable coin drawer. 4,867,506, 9-19-89, Cl. 297-188.000.

Chavkin, Leonard; and Mackles, Leonard, to Product Resources International, Inc. Liquid bran drink. 4,814,172, 3-21-89, Cl. 424-195.100.

Chavkin, Leonard: *See—*

  Mackles, Leonard; and Chavkin, Leonard, 4,889,709, Cl. 424-45.000.

Chawla, Manmohan S.; and McPhee, William A., to Western Atlas International, Inc. Implosion shaped charge perforator. 4,860,654, 8-29-89, Cl. 102-306.000.

Chawla, Manmohan S., to Western Atlas International, Inc. Implosion shaped charge perforator. 4,860,655, 8-29-89, Cl. 102-306.000.
Chawla, Manmohan S.; Collier, Nicholas; and Sehnert, Steven D., to Western Atlas International, Inc. Implosion shaped charge perforator. 4,862,804, 9-5-89, Cl. 102-309.000.
Chayka, Stanley J.: *See—*
Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,811,084, Cl. 358-22.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,823,184, Cl. 358-27.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,857,994, Cl. 358-22.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,862,251, Cl. 358-22.000.
Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,866,511, Cl. 358-27.000.
Chazalet, Maurice: *See—*
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Chazan, David: *See—*
Chan, Chi-Ming; Barma, Pradeep; Chazan, David; and Liu, David, 4,801,785, Cl. 219-549.000.
Chazard, Georges; Drapier, Julien; Gallant, Chantal; and van De Gaer, Daniel, to Colgate-Palmolive Company. Thixotropic clay aqueous suspensions containing long chain saturated fatty acid stabilizers. 4,801,395, 1-31-89, Cl. 252-99.000.
Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, to Taiyo Yuden Co., Ltd. Low temperature sintered ceramic capacitor having a high resistivity and bending strength, and method of manufacture. 4,809,130, 2-28-89, Cl. 361-321.000.
Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, to Taiyo Yuden Co. Ltd. Low temperature sintered ceramic capacitor having a high resistivity and bending strength, and method of manufacture. 4,809,131, 2-28-89, Cl. 361-321.000.
Chazono, Masashi; Yoshida, Iwao; Konobe, Takeo; Osame, Juichiro; and Takaku, Keisuke, to Research Foundation for Microbial Diseases of Osaka University, The. Method for culturing *bordetella pertussis,* a pertussis toxoid and a pertussis vaccine. 4,849,358, 7-18-89, Cl. 435-252.000.
Chazot, Henri; Cauquil, Gerard; and Muller, Jean-Paul, to Cogema, Compagnie Generale des Matieres Nucleaires. Stepwise advancing rotary conveyor and installation for taking liquid samples incorporating such a conveyor. 4,854,355, 8-8-89, Cl. 141-130.000.
Che, Stanley C.: *See—*
Minet, Ronald G.; and Che, Stanley C., 4,804,797, Cl. 585-500.000.
Che, Tessie M.; Carney, Raymond V.; and Dotson, Duane L., to Hoechst Celanese Corp. Porous glass monoliths. 4,810,674, 3-7-89, Cl. 501-12.000.
Che, Tessie M.; Stuetz, Dagobert E.; Buckley, Alan; and Ulrich, Donald R., to Hoechst Celanese Corporation. Inorganic-organic composite compositons exhibiting nonlinear optical response. 4,851,270, 7-25-89, Cl. 428-1.000.
Che, Tessie M.; Stuetz, Dagobert E.; Buckley, Alan; and Ulrich, Donald R., to Hoechst Celanese Corp. Inorganic-organic composite compositions exhibiting nonlinear optical response. 4,861,129, 8-29-89, Cl. 350-96.130.
Che, Tessie M.: *See—*
Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,814,211, Cl. 428-1.000.
Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,828,888, Cl. 428-1.000.
Gillberg-LaForce, Gunilla E.; Leslie, Thomas M.; Che, Tessie M.; and Borzo, Marie, 4,885,113, Cl. 252-582.000.
Kuder, James E.; McGinnis, James L.; Goldberg, Harris A.; Hart, Timothy R.; and Che, Tessie M., 4,878,224, Cl. 372-53.000.
Chebyshev, Vladimir A.: *See—*
Shmeleva, Ljubov A.; Chebyshev, Vladimir A.; Turkov, Roblen R.; Grokhotov, Vyacheslav T.; Alexandrovich, Jury B.; Ulyantsev, Valentin I.; Varfolomeev, Dmitry F.; Pecheny, Boris G.; Vitaliev, Vladimir P.; and Sheludko, Viktor V., 4,849,094, Cl. 208-208.00R.
Chechile, Robert A.: *See—*
Butler, Alfred L.; and Chechile, Robert A., 4,824,253, Cl. 356-350.000.
Check, Frank T.; and Sansone, Ronald P., to Pitney Bowes Inc. Apparatus and method for generating images by producing light spots of different sizes. 4,809,021, 2-28-89, Cl. 346-108.000.
Check, John M.; Clayton, William L., Jr.; Fitts, Frederick L.; and Walser, Thomas D., to Ex-Cell-O Corporation. Electrical discharge machining apparatus with exchangeable electrode refeed cartridge. 4,814,573, 3-21-89, Cl. 219-69.00E.
Check, Steven G.: *See—*
Leuthold, Oskar N.; and Check, Steven G., 4,829,268, Cl. 331-17.000.
Check Technology Corporation: *See—*
Heiller, Glenn H.; and Petersen, Michael P., 4,862,225, Cl. 355-288.000.
Checker Machine, Inc.: *See—*
Lipinski, Thomas L.; and Goedker, Joseph L., 4,798,062, Cl. 62-381.000.
Checki, Edward T. Catalytic converter with screen enclosure holding pellets under tension. 4,876,072, 10-24-89, Cl. 422-179.000.

Checkland, John A.: *See—*
Marsden, Eric P.; and Checkland, John A., 4,869,959, C 428-383.000.
Marsden, Eric P.; and Checkland, John A., 4,877,467, C 156-51.000.
Checkly, Robert W.; and Nielsen, Rudy B. Vertical bale elevator 4,865,158, 9-12-89, Cl. 187-7.000.
Checkpoint Systems, Inc.: *See—*
Lamond, Lee T.; and Gill, Peter L., 4,835,524, Cl. 340-572.000
Wolf, Albert E., 4,831,363, Cl. 340-572.000.
Chedgy, David G., to CLI International Enterprises, Inc. Method an apparatus for drying fine coal. 4,854,941, 8-8-89, Cl. 44-626.000
Chee, Seck W. Rotary cutting machines and components therefor 4,860,525, 8-29-89, Cl. 56-12.700.
Chee, Wan T., to Boeing Company, The. Engine mounting assembly 4,854,525, 8-8-89, Cl. 244-54.000.
Chee, Wan T.: *See—*
Clausen, Charles C.; Johnson, Ronald C.; Chee, Wan T.; an Schmidt, Warren E., 4,821,980, Cl. 244-54.000.
Cheek, Albert G.: *See—*
Pierce, William W.; June, George; Meadows, James M.; and Chee Albert G., 4,797,291, Cl. 426-63.000.
Cheek, Gary C.; and Rice, Andy, to Dow Chemical Company, Th Pour spout. 4,802,610, 2-7-89, Cl. 222-481.500.
Cheemalavagu, Suresh: *See—*
Ramesh, Nallepilli S.; Cheemalavagu, Suresh; and Erikson, Andr 4,879,727, Cl. 375-76.000.
Cheers, Brian: *See—*
Laviolette, Maurice A.; Evans, John R.; and Cheers, Bri 4,827,847, Cl. 102-503.000.
Cheers, Christopher F.: *See—*
Porucznik, Paul; and Cheers, Christopher F., 4,854,149, C 72-352.000.
Cheeseman, Charles D. Socket-wrench hand tool. 4,798,111, 1-17-8 Cl. 81-124.400.
Cheetham, Jeffery James: *See—*
Parker, Graham J., 4,859,240, Cl. 75-251.000.
Cheetham, Peter S. J.: *See—*
Rathbone, Einer B.; Mufti, Khizar S.; Khan, Riaz A.; Cheetha Peter S. J.; Hacking, Andrew J.; and Dordick, Jonathan S 4,826,962, Cl. 536-122.000.
Cheh, Huk Y.: *See—*
Halpern, Gregory; Campbell, Charles; Beavers, Ellington M. a Cheh, Huk Y., 4,801,475, Cl. 427-338.000.
Chehab, Firdausia; and Koch, Franz P., to Korber AG. Method f ascertaining the rate of fluid flow through the ventilation zone rod-shaped articles of the tobacco processing industry. 4,88 12-26-89, Cl. 73-38.000.
Chehab, Mohamed N. H.: *See—*
Langmeier, James R.; Chehab, Mohamed N. H.; De Caluwe, R bert C. J. M.; Hertogs, Willy A. M.; Van den Broeck, Jean B. A and van Loon, Miriam H. J. M., 4,807,787, Cl. 222-529.000
Chein, Chung-Min. Shoe structure with nails to extend out or retrac by kicking forwards or backwards. 4,821,434, 4-18-89, Cl. 36-134.0
Chek, Boh K., to Motorola, Inc. Low voltage LED driver circ 4,866,430, 9-12-89, Cl. 340-782.000.
Chekurishvili, Gia O.: *See—*
Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Em I.; Chekurishvili, Gia O.; Brekhman, Izrail I.; Bulanov, Alexa E.; and Polozhentseva, Mira I., 4,877,772, Cl. 514-23.000
Chellapa, Karumpatti L.; and Shah, Mukund C., to Witco Corporatio New flame retardant compositions of matter and cellulosic prod containing same. 4,888,136, 12-19-89, Cl. 252-607.000.
Chelminski, Paul, to Bolt Technology Corporation. Small powe hydro gun. 4,798,261, 1-17-89, Cl. 181-120.000.
Chelminski, Stephen V., to Bolt Technology Corporation. Tube-wa attenuation method, system and apparatus for use with an impul seismic energy source in liquid-containing wells. 4,858,718, 8-22 Cl. 181-106.000.
Chelsea Artisans Limited: *See—*
Leach, Roger J., 4,795,521, Cl. 156-382.000.
Chelsea, Daniel B., to Shaw-Walker Company, The. Wire manage assembly. 4,882,453, 11-21-89, Cl. 174-48.000.
Chem-Elec, Inc.: *See—*
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Chem-Nuclear Systems, Inc.: *See—*
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Chem-O Company, Inc.: *See—*
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Chem Tec Equipment Corp.: *See—*
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Custer, Craig S., 4,858,647, Cl. 137-599.100.
Chemap AG: *See—*
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Chembiomed Ltd.: *See—*
Lemieux, Raymond U.; Ratcliffe, Robert M.; and Baker, Don A., 4,855,126, Cl. 424-9.000.
Lemieux, Raymond U.; Ratcliffe, Robert M.; and Baker, Don A., 4,866,041, Cl. 514-23.000.
Chemcast Corporation: *See—*
DeLano, Don L.; and Benda, Edward K., 4,856,795, Cl. 2 212.0FB.
Patel, Praful J., 4,885,121, Cl. 264-255.000.

ChemCat Corporation: *See—*
Elvin, Frank J.; Otterstedt, Jan-Erik; and Yoo, Jin S., 4,800,185, Cl. 502-26.000.
Elvin, Frank J., 4,806,512, Cl. 502-65.000.
Elvin, Frank J.; and Yoo, Jin S., 4,824,814, Cl. 502-22.000.
Elvin, Frank J., 4,828,684, Cl. 208-251.00H.
Chemco Soest BV: *See—*
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Chemcrete International Corp.: *See—*
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Chemcut Corporation: *See—*
Senge, F. Gerhard; Watson, Angus A.; Sanner, Kenneth E.; and Corbin, Terry R., 4,859,298, Cl. 204-146.000.
Chemello, Jean-Pierre; and Mabboux, Michel, to Salomon S.A. Apparatus for wedging the heel of the foot of a skier in a ski boot. 4,835,886, 6-6-89, Cl. 36-119.000.
Chemello, Jean-Pierre: *See—*
Begey, Jean-Marie; and Chemello, Jean-Pierre, 4,864,743, Cl. 36-119.000.
Chemetrics, Inc.: *See—*
Castaneda, Henry B., 4,876,068, Cl. 422-58.000.
Chemetron-Railway Products, Inc.: *See—*
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Fee, Graham M., 4,844,337, Cl. 238-21.000.
Chemex Pharmaceuticals, Inc.: *See—*
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Chemfil Corporation: *See—*
Cape, Thomas W., 4,828,615, Cl. 106-14.130.
Chemfix Technologies, Inc.: *See—*
Reimers, Robert S.; Akers, Thomas G.; and Lo, C. Paul, 4,853,208, Cl. 423-659.000.
Chemi-Trol Chemical Company: *See—*
Wadsworth, Thomas P., 4,807,343, Cl. 29-221.500.
Chemical Dynamics Sweden AB: *See—*
Kjelleberg, Staffan; and Ronnow, Peter, 4,859,656, Cl. 514-54.000.
Chemical Fabrics Corporation: *See—*
Effenberger, John A.; Koerber, Keith G.; Latorra, Michael N.; and Petriello, John V., 4,883,716, Cl. 428-421.000.
Chemical Laboratories S.R.L.: *See—*
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Chemical New York Corporation: *See—*
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Chemical Products Corporation: *See—*
Adams, Charles, Jr.; and Cook, Jerry A., 4,806,331, Cl. 423-430.000.
Adams, Charles, Jr.; and Cook, Jerry A., 4,888,161, Cl. 423-430.000.
Adams, Charles, Jr.; and Cook, Jerry A., 4,888,308, Cl. 501-11.000.
Chemical Research & Licensing Company: *See—*
Smith, Lawrence A., Jr., 4,849,569, Cl. 585-446.000.
Chemical Vulcanising Systems (Proprietary) Limited: *See—*
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Chemical Waste Management, Inc.: *See—*
Ader, Milton; Glod, Edward F.; and Fochtman, Edward G., 4,844,815, Cl. 210-751.000.
Fochtman, Edward G.; Daley, Peter S.; Ader, Milton; Plys, Albert G.; and Swanstrom, Carl P., 4,864,942, Cl. 110-226.000.
Chemicoal, Inc.: *See—*
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Chemicraft International, Inc.: *See—*
Brown, Albert E., 4,828,638, Cl. 156-234.000.
Chemie Linz Aktiengesellschaft: *See—*
Binder, Dieter, 4,801,591, Cl. 514-373.000.
Binder, Dieter; and Rovenszky, Franz, 4,812,472, Cl. 514-374.000.
Binder, Dieter; Rovenszky, Franz; and Ferber, Hubert P., 4,818,760, Cl. 514-338.000.
Chemie Linz G.m.b.H.: *See—*
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Chemiefaser Lenzing Aktiengesellschaft: *See—*
Weinrotter, Klaus; Jeszenszky, Thomas; Schmidt, Heinrich; Baumann, Siegfried; and Kalleitner, Johann, 4,801,502, Cl. 428-397.000.
Chemin, Francois; and Ugon, Michel, to Bull CP8. Method and apparatus for certifying services obtained using a portable carrier such as a memory card. 4,825,052, 4-25-89, Cl. 235-380.000.
Cheminal, Bernard; and Lantz, Andre, to Societe ATOCHEM. Synthesis of 1-chloro-1, 1-difluoroethane. 4,849,555, 7-18-89, Cl. 570-165.000.
Cheminel, Daniel: *See—*
Coatrieux, Jean-Yvon; Cheminel, Daniel; and Thepaut, Bernard, 4,870,640, Cl. 370-60.000.
Chemipro Kasei Kaisha, Ltd.: *See—*
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Chemische Fabrik Grunau GmbH: *See—*
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Eiermann, Horst W.; and Muhl, Christian, 4,798,917, Cl. 174-72.00R.
Chemische Fabrik Stockhausen GmbH: *See—*
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Kaussen, Manfred; Stockhausen, Dolf; Hartan, Hans-Georg; and Landscheidt, Alfons, 4,813,968, Cl. 8-94.230.
Chemische Werke Huls Aktiengesellschaft: *See—*
Bollenrath, Franz-Michael; Bartmann, Martin; and Hentschel, Bernhard, 4,822,869, Cl. 528-216.000.
Chemla, Daniel S.; Miller, David A. B.; and Smith, Peter W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Laser controlled by a multiple-layer heterostructure. 4,860,296, 8-22-89, Cl. 372-44.000.
Chemla, Daniel S.: *See—*
Bar-Joseph, Israel; Chemla, Daniel S.; and Miller, David A. B., 4,822,992, Cl. 250-211.00J.
Chemnitzer, Eberhard, to Audi AG. Device for controlling the ignition timing of an internal combustion engine. 4,819,599, 4-11-89, Cl. 123-425.000.
Chemnitzer, Eberhard, to Audi AG. Device for adapting the air/fuel metering system and the ignition system of an internal combustion engine to enable the engine to run with all normally available grades of petrol (gasoline) fuel. 4,854,286, 8-8-89, Cl. 123-425.000.
Chemonics Industries, Inc.: *See—*
Strickland, Bruce G., 4,822,524, Cl. 252-603.000.
Chemrox, Inc.: *See—*
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Chemtronics: *See—*
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Sullivan, Mark P., 4,848,122, Cl. 72-53.000.
Chen, Abraham S. C.: *See—*
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Chen, Albert C.; DeLuca, Robert D.; Jones, Robin M. F.; Mueller, Donald S.; and Yeganeh, Mary S., to Johnson & Johnson Consumer Products, Inc. Adhesive primer for alumina brackets. 4,826,430, 5-2-89, Cl. 433-8.000.
Chen, Andrie C., to Exxon Production Research Company. Strengthened protective structure. 4,828,431, 5-9-89, Cl. 405-217.000.
Chen, Augustin T.; and Onder, Kemal, to Dow Chemical Company, The. Poly(alkylene terephthalate) compositions having improved crystallization rate and properties. 4,806,589, 2-21-89, Cl. 524-539.000.
Chen, Augustin T., to Dow Chemical Company, The. Polyamide resins with good toughness properties. 4,868,277, 9-19-89, Cl. 528-272.000.
Chen, Augustin T.: *See—*
Bonk, Henry W.; Chen, Augustin T.; and Ehrlich, Benjamin S., 4,822,827, Cl. 521-170.000.
Chen, Ben W. Dynamic switching circuit for multiple asynchronous clock sources. 4,870,299, 9-26-89, Cl. 307-269.000.
Chen, Bibiana S. Y.; and Henton, David E., to Dow Chemical Company, The. Functionalized elastomers blended with polar copolymers of styrene and acrylic acid methacrylic acid or maleic anhydride. 4,886,856, 12-12-89, Cl. 525-73.000.
Chen, Bo-Zhou. Self-retractable rubber nipple. 4,878,496, 11-7-89, Cl. 128-360.000.
Chen, C. H. Warm mist humidifier with automatic cleaning device. 4,869,853, 9-26-89, Cl. 261-142.000.
Chen, Carl L.: *See—*
Smay, John W.; Hummel, William F., Jr.; Chen, Carl L.; and Slafer, Loren I., 4,837,699, Cl. 364-434.000.
Chen, Carl W. Skis and boots carrying waist belt. 4,863,083, 9-5-89, Cl. 224-226.000.
Chen, Charles, to Cypress Medical Products Ltd. Height-adjustable crutch. 4,865,065, 9-12-89, Cl. 135-69.000.
Chen, Chau-Shiong A.: *See—*
Tobias, Eric; and Chen, Chau-Shiong A., 4,876,216, Cl. 437-67.000.
Chen, Chen-Tsung. Polygonal ring-like toy building block having means for interconnecting plural blocks together in differing orientations, and elongate stacking members for stacking plural blocks for storage. 4,804,350, 2-14-89, Cl. 446-127.000.
Chen, Chen-Tsung. Toy Xylophone. 4,885,972, 12-12-89, Cl. 84-403.000.
Chen, Cheng-Chi: *See—*
Morgan, Charles R.; Chen, Cheng-Chi; Blinka, Thomas A.; and Obligin, Alan S., 4,882,057, Cl. 210-500.230.
Chen, Cheng-Eng D.: *See—*
Teng, Clarence W.; Chen, Cheng-Eng D.; and Mao, Bor-Yen, 4,864,375, Cl. 357-23.600.
Chen, Chenson K.; and Tsaur, Bor-Yeu, to Massachusetts Institute of Technology. Capping technique for zone-melting recrystallization of insulated semiconductor films. 4,889,583, 12-26-89, Cl. 156-604.000.
Chen, Chia H.: *See—*
Recktenwald, Diether J.; Kerndt, Rickie S.; Loken, Michael R.; and Chen, Chia H., 4,867,908, Cl. 252-408.100.
Chen, Chia-Huei: *See—*
Lee, Linda G.; and Chen, Chia-Huei, 4,883,867, Cl. 536-28.000.
Chen, Chien F. Baseball chest protector. 4,847,913, 7-18-89, Cl. 2-2.000.
Chen, Chin H.; Fox, John L.; Specht, Donald P.; and Farid, Samir Y., to Eastman Kodak Company. Dye sensitized photographic imaging systems. 4,876,175, 10-24-89, Cl. 430-281.000.
Chen, Chin H.: *See—*
Goswami, Ramanuj; and Chen, Chin H., 4,812,393, Cl. 435-4.000.
Chen, Chin-Long, to International Business Machines Corp. Error correcting code for 8-bit-per-chip memory with reduced redundancy. 4,862,463, 8-29-89, Cl. 371-38.000.
Chen, Chin-Wen: *See—*
Kwak, Won S.; and Chen, Chin-Wen, 4,816,584, Cl. 544-71.000.
Chen, Ching-Hwa: *See—*
Chen, Jiann-Jong; and Chen, Ching-Hwa, 4,835,794, Cl. 2-150.000.
Chen, Jiann-Jong; and Chen, Ching-Hwa, 4,856,114, Cl. 2-149.000.
Chen, Ching-Shih. Contact lens washing apparatus. 4,852,594, 8-1-89, Cl. 134-140.000.
Chen, Chingfa; and Pastrick, Danny L., to Baxter Travenol Laboratories, Inc. Endoscope coupler device. 4,844,071, 7-4-89, Cl. 128-6.000.

Chen, Chun-Hong H., to Communications Satellite Corporation. Broadband circular polarization arrangement for microstrip array antenna. 4,866,451, 9-12-89, Cl. 343-700.0MS.

Chen, Chun-Shan. Adjustment apparatus for adjusting the speed of a plate roller relative to a pressing roller in a multi-color plastic bag printer. 4,833,983, 5-30-89, Cl. 101-181.000.

Chen, Chung C. Convertible bed. 4,862,530, 9-5-89, Cl. 5-66.000.

Chen, Chung F., to Jack Moon Co., Ltd. Fiber optic cable innerduct plug and assembly. 4,842,364, 6-27-89, Cl. 350-96.230.

Chen, Chung-Fang, to Jack Moon Co., Ltd. Holder for use in cable conduits. 4,806,705, 2-21-89, Cl. 174-135.000.

Chen, Chung-Ho; and Chen, Sumi C., to Johns Hopkins University, The. Cornea retainer. 4,844,242, 7-4-89, Cl. 206-5.100.

Chen, Chung-Ho; and Chen, Sumi C., to Johns Hopkins University, The. Cornea storage medium. 4,873,186, 10-10-89, Cl. 435-1.000.

Chen, Chung Y.; Riecke, Edgar E.; Harbison, Kenneth G.; and Chapman, Derek D., to Eastman Kodak Company. Method and composition for hardening gelatin. 4,877,724, 10-31-89, Cl. 430-621.000.

Chen, Da Q.: *See—*

Chen, Wenbing; and Chen, Da Q., 4,837,654, Cl. 361-93.000.

Chen, Dan D.: *See—*

Reid, Samuel K.; and Chen, Dan D., 4,831,376, Cl. 341-13.000.

Chen, Dan Y.: *See—*

Carpenter, Grant; Lee, Fred C.; and Chen, Dan Y., 4,851,769, Cl. 324-158.00T.

Chen, David. Adjustable umbrella support. 4,871,141, 10-3-89, Cl. 248-534.000.

Chen, Devereaux C.: *See—*

Wong, Siu-Weng S.; Chen, Devereaux C.; and Chiu, Kuang-Yi, 4,873,204, Cl. 437-200.000.

Chen, Evan N., to Warner-Lambert Company. Flexible razor head. 4,854,043, 8-8-89, Cl. 30-50.000.

Chen, Felix Y. C. Multiple tier ring with interchangeable settings. 4,841,746, 6-27-89, Cl. 63-15.000.

Chen, Frank; Rogers, Tony W.; and Blackaby, David E., to Spectrol Reliance Limited. Method of sealing an electrical feedthrough in a semiconductor device. 4,849,374, 7-18-89, Cl. 437-209.000.

Chen, Frank J.; Emert, Jacob; Lundberg, Robert D.; and Giffin, Gregory C., to Exxon Chemical Patents Inc. Process for preparing polybutenes having enhanced reactivity using boron trifluoride catalysts (PT-647). 4,849,572, 7-18-89, Cl. 585-525.000.

Chen, Fu, to Betz Laboratories, Inc. Water treatment polymers and methods of use thereof. 4,801,387, 1-31-89, Cl. 210-699.000.

Chen, Fu; and Carey, William S., to Betz Laboratories, Inc. Water treatment polymers and methods of use thereof. 4,849,129, 7-18-89, Cl. 252-181.000.

Chen, Fu; and Bair, Keith A., to Betz Laboratories, Inc. Water soluble phosphonated polymers. 4,851,490, 7-25-89, Cl. 526-278.000.

Chen, Fu; and Carey, William S., to Betz Laboratories, Inc. Water treatment polymers and methods of use thereof. 4,863,614, 9-5-89, Cl. 210-699.000.

Chen, Fu; and Carey, William S., to Betz Laboratories. Inc. Novel amine-containing copolymers and their use. 4,868,263, 9-19-89, Cl. 526-312.000.

Chen, Fu, to Betz Laboratories, Inc. Water treatment compositions. 4,869,845, 9-26-89, Cl. 252-181.000.

Chen, Fu; and Michalopoulos, Daniel L., to Betz Laboratories, Inc. Method for calcium oxalate scale control. 4,872,995, 10-10-89, Cl. 210-699.000.

Chen, Fu; and Bair, Keith A., to Betz Laboratories, Inc. Water soluble phosphonated polymers. 4,886,617, 12-12-89, Cl. 252-180.000.

Chen, Fung-Bor; Huang, Wu-Nan; and Rogers, Carl M., to Becton, Dickinson and Company. Glove configuration and method. 4,809,365, 3-7-89, Cl. 2-168.000.

Chen, Gilbert; Holmes, Timothy L.; Mastrodomenico, Augusto; and Binkley, Michael J., to Glitsch, Inc. Apparatus for flow distribution in packed towers. 4,842,778, 6-27-89, Cl. 261-97.000.

Chen, Grant K.: *See—*

Evans, Alfred J.; Chen, Grant K.; May, Dennis J.; and Brinson, Edward P., 4,821,485, Cl. 53-138.00A.

Chen, Hai C. Computer-controlled password lock. 4,812,841, 3-14-89, Cl. 340-825.310.

Chen, Hao A.: *See—*

Wang, C. David; Shultz, Jeffrey R.; Chen, Hao A.; Minter, James L.; and Brower, Charles H., 4,863,782, Cl. 428-204.000.

Chen, Harry H. Portable compression grid & needle holder. 4,875,478, 10-24-89, Cl. 128-303.00B.

Chen, Hong-Bin; Chang, Lien-Kuei; Tsay, Shern-Ji; Chou, Tung-Sheng; and Shiue, Fong, to China Steel Corporation. Apparatus for measuring the internal friction of a tranversely vibrating metal specimen. 4,879,905, 11-14-89, Cl. 73-579.000.

Chen, Hong C., to Chevron Research Company. Protective slurry mixture. 4,808,297, 2-28-89, Cl. 208-164.000.

Chen, Horng-Hwei, to Industrial Technology Research Institute. Surface mounting device pick-and-place head. 4,860,438, 8-29-89, Cl. 29-740.000.

Chen, Hsiang M.; Eusepi, Martin W.; and Johnson, Robert E., to Mechanical Technology Incorporated. Velocity and imbalance observer control circuit for active magnetic bearing or damper. 4,841,184, 6-20-89, Cl. 310-90.500.

Chen, Hsiang-Wen: *See—*

Cheung, Robin W.; Ho, Bernard W. K.; Chen, Hsiang-Wen; and Chan, Hugo W. K., 4,796,081, Cl. 357-71.000.

Chen, Hsin-Chien: *See—*

Hsieh, Kun-Chih; Chow, Jien-Hung; and Chen, Hsin-Chien, 4,872,796, Cl. 412-16.000.

Chen, Hsin-Chih: *See—*

Petty, Charles A.; and Chen, Hsin-Chih, 4,855,066, Cl. 210-788.000.

Chen, Hsing; and Juang, Dar-Chang, to Industrial Technology Research Institute. Digital computer writing board. 4,833,279, 5-23-89, Cl. 178-18.000.

Chen, Hsing-Hai: *See—*

Hsu, Je-Jung; and Chen, Hsing-Hai, 4,849,366, Cl. 437-42.000.

Chen, Hsuan S., to Saginaw Valley State University. HOE and indirect method of constructing same. 4,850,662, 7-25-89, Cl. 350-3.720.

Chen, Huang-Chuan: *See—*

Era, Hidenori; Shimizu, Mineo; and Chen, Huang-Chuan, 4,854,976, Cl. 148-2.000.

Chen, Ih-Chin; Shen, Bing W.; and Doering, Robert R., to Texas Instruments Incorporated. Nitride/oxide/nitride capacitor dielectric. 4,882,649, 11-21-89, Cl. 361-313.000.

Chen, Ih-Chin; Shen, Bing W.; Bohlman, James G.; and Tsai, Hun-Lian, to Texas Instruments Incorporated. Stacked insulating film including yttrium oxide. 4,888,820, 12-19-89, Cl. 361-313.000.

Chen, Inn-Ming; Shyy, Yeu-Hwa; Chung, Ching-Fu; Hwang, Dar-Jong; Yeh, Jenq-Chang; and Wu, Hsu-Lung, to Industrial Technology Research Institute. Machine vision process and apparatus for reading a plurality of separated figures. 4,866,629, 9-12-89, Cl. 364-468.000.

Chen, Inn-Ming: *See—*

Shyu, Jia-Ming; Chen, Inn-Ming; Lee, Tian-Quey; and Kung, Yunn-Chiang, 4,878,248, Cl. 382-9.000.

Chen, Jack; Thomas, Jeffrey A.; Petolino, Joseph A., Jr.; Begley, Michael J.; Shah, Ajay; Taylor, Michael D.; and Tobias, Richard J., to Amdahl Corporation. Cache move-in bypass. 4,851,993, 7-25-89, Cl. 364-200.000.

Chen, Jack: *See—*

Fong, Jach; and Chen, Jack, 4,826,129, Cl. 251-129.040.

Chen, Jack Y. C. Infrared ray detector control illumination system. 4,843,283, 6-27-89, Cl. 315-153.000.

Chen, James C.; Wong, Wah S.; and Pao, Cheng K., to Hughes Aircraft Company. Two-terminal semiconductor diode arrangement. 4,800,420, 1-24-89, Cl. 357-76.000.

Chen, James C.: *See—*

Kanber, Hilda; and Chen, James C., 4,876,211, Cl. 437-22.000.

Chen, James N. C., to Hewlett-Packard Company. Acoustic damper. 4,821,838, 4-18-89, Cl. 181-175.000.

Chen, James S. K. Cosmetic case with detachable plates. 4,821,751, 4-18-89, Cl. 132-295.000.

Chen, Jamin: *See—*

Khonsari, Ali M.; Chen, Jamin; Suciu, George D.; Fisher, William B.; and Crescentini, Lamberto, 4,851,086, Cl. 203-38.000.

Suciu, George D.; Khonsari, Ali M.; and Chen, Jamin, 4,857,151, Cl. 203-82.000.

Chen, Jiann-Jong; and Chen, Ching-Hwa. Preset necktie. 4,835,794, 6-6-89, Cl. 2-150.000.

Chen, Jiann-Jong; and Chen, Ching-Hwa. Seaman style preset necktie. 4,856,114, 8-15-89, Cl. 2-149.000.

Chen, Jin-Hai, to Bio-Rad Laboratories, Inc. Apparatus for preparative gel electrophoresis. 4,877,510, 10-31-89, Cl. 204-299.00R.

Chen, Joseph Y.: *See—*

Cowen, Stephen R.; Toreson, James S.; Chen, Joseph Y.; and Cochran, David S., 4,816,938, Cl. 360-75.000.

Chen, Kau-Ming; Hardtmann, Goetz E.; Kapa, Prasad K.; Lee, George T.; Linder, Jerome; and Wattanasin, Sompong, to Sandoz Pharm. Corp. Processes for the synthesis of diprotected R[R*,S*]-3,5-dihydroxy-6-oxohexanoate esters. 4,870,199, 9-26-89, Cl. 556-437.000.

Chen, Kau-Ming: *See—*

Kapa, Prasad K.; and Chen, Kau-Ming, 4,847,384, Cl. 548-409.000.

Chen, Kueing L.; and Pang, Roland H., to Texas Instruments Incorporated. Electrostatic discharge protection for semiconductor devices. 4,825,280, 4-25-89, Cl. 357-71.000.

Chen, Kwang-Ho. Valve for checking tire pressure. 4,884,593, 12-5-89, Cl. 137-557.000.

Chen, Lao-Jer; and Lowenkron, Steven B., to Dow Chemical Company, The. Color reduction of polymeric isocyanates via multiple solvent fractionation. 4,876,380, 10-24-89, Cl. 560-352.000.

Chen, Li-Kou: *See—*

Heh, Shiang-Jiun; Chen, Swe-Kai; Jin, Fu-Teh; and Chen, Li-Kou, 4,875,946, Cl. 148-103.000.

Chen, Liang-Erh. Laterally swinging hinge device. 4,864,690, 9-12-89, Cl. 16-276.000.

Chen, Loren: *See—*

Peterson, David; Chen, Loren; and Iliff, Robert J., 4,874,537, Cl. 252-99.000.

Chen, M. H.: *See—*

Wang, I. Kai; Lee, Biing-Jye; and Chen, M. H., 4,849,386, Cl. 502-62.000.

Chen, Mei C.: *See—*

Chen, Po Y.; Chu, Shiao J.; Chen, Mei C.; Chang, Nan S.; and Lin, Wen C., 4,801,752, Cl. 564-401.000.

Chen, Mei H.: *See—*

Lee, Lain-tze; Chen, Mei H.; and Yao, Chung-Niang, 4,885,389, Cl. 564-418.000.

Chen, Mei L., to Misasa Inc. Method for producing powder cake cosmetics. 4,804,538, 2-14-89, Cl. 424-401.000.

Chen, Michael C.; Chen, Pearl M.; and Klotz, Lynn C., to Biotechnica Diagnostics, Inc. Detection of human oral cells by nucleic acid hybridization. 4,866,167, 9-12-89, Cl. 536-27.000.

Chen, Michael W.: *See—*

Cann, Kevin J.; Chen, Michael W.; and Karol, Frederick J., 4,861,846, Cl. 526-75.000.

Chen, Mike S. S. Golf bag cart. 4,832,362, 5-23-89, Cl. 280-645.000.

Chen, Min-Liang; Leung, Chung W.; Lu, Chih-Yuan; and Tsai, Nun-Sian, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of making silicides by heating in oxygen to remove contamination. 4,886,765, 12-12-89, Cl. 437-200.000.

Chen, Ming H., to United States of America, Navy. Dual frequency launcher for circularly polarized antenna. 4,872,211, 10-3-89, Cl. 343-778.000.

Chen, Ming-Hui, to Lin, Li-Ling. Ultrasonic ranging device. 4,803,670, 2-7-89, Cl. 367-99.000.

Chen, Mu H. Electronic boiling point musical alarm. 4,857,897, 8-15-89, Cl. 340-692.000.

Chen, Nai Y.; Degnan, Thomas F.; and Weisz, Paul B., to Mobil Oil Corporation. Shape selective crystalline silicate zeolite containing intermetallic component and use as catalyst in hydrocarbon conversions. 4,803,186, 2-7-89, Cl. 502-66.000.

Chen, Nai Y.; and Walsh, Dennis E., to Mobil Oil Corporation. Process for dewaxing hydrocarbon feedstock. 4,808,296, 2-28-89, Cl. 208-111.000.

Chen, Nai Y.; Garwood, William E.; and McCullen, Sharon B., to Mobil Oil Corporation. Nitrogen resistant paraffin hydroisomerization catalysts. 4,814,543, 3-21-89, Cl. 585-739.000.

Chen, Nai Y.; and McCullen, Sharon B., to Mobil Oil Corporation. Aromatization with catalyst comprising noble-metal containing titanosilicate having the structure of zeolite beta. 4,827,068, 5-2-89, Cl. 585-408.000.

Chen, Nai Y.; and McCullen, Sharon B., to Mobil Oil Corporation. Zeolite beta with improved regeneration characteristics. 4,840,929, 6-20-89, Cl. 502-74.000.

Chen, Nai Y.; LaPierre, Rene B.; Partridge, Randall D.; and Wong, Stephen S., to Mobil Oil Corporation. Integrated hydroprocessing scheme for production of premium quality distillates and lubricants. 4,851,109, 7-25-89, Cl. 208-58.000.

Chen, Nai Y.; Degnan, Thomas F.; and McCullen, Sharon B., to Mobil Oil Corp. Aromatization process. 4,861,932, 8-29-89, Cl. 585-412.000.

Chen, Nai Y.; and Degnan, Thomas F., Sr., to Mobil Oil Corporation. Operation of an internal combustion engine with a pre-engine converter. 4,862,836, 9-5-89, Cl. 123-3.000.

Chen, Nai Y.; Huh, Billy K.; Ketkar, Anil B.; and Venkat, Chaya, to Mobil Oil Corporation. Distillate fuel quality of FCC cycle oils. 4,871,444, 10-3-89, Cl. 208-46.000.

Chen, Nai Y.; and Walsh, Dennis E., to Mobil Oil Corporation. Catalyst for dewaxing hydrocarbon feedstock. 4,877,581, 10-31-89, Cl. 585-751.000.

Chen, Nai Y.; and Degnan, Thomas F., to Mobil Oil Corporation. Catalytic cracking of hydrocarbons with oxygen promoted alkali metal zeolite cracking catalyst. 4,842,039, 11-21-89, Cl. 208-120.000.

Chen, Nai Y.: *See—*

McCullen, Sharon B.; Chen, Nai Y.; and Han, Scott, 4,828,812, Cl. 423-326.000.

Chen, Pao-Chaing, to Diversified Investments Corporation. Compound bicycle exercising apparatus. 4,889,335, 12-26-89, Cl. 272-73.000.

Chen, Patrick C., to Exxon Production Research Company. Analysis of thin section images. 4,868,883, 9-19-89, Cl. 382-1.000.

Chen, Patrick P.; Chiu, Taiwoo; and Skerrett, J. Richard, to Scott Paper Company. Creping device adhesive formulation. 4,883,564, 11-28-89, Cl. 162-112.000.

Chen, Paul N., Sr.: *See—*

Chung, Tai-Shung; Chen, Paul N., Sr.; and Provino, Vincent J., 4,842,740, Cl. 210-500.270.

Chen, Paul T. H., to NCR Corporation. Multilayer printed circuit board with domain partitioning. 4,799,128, 1-17-89, Cl. 361-414.000.

Chen, Pearl M.: *See—*

Chen, Michael C.; Chen, Pearl M.; and Klotz, Lynn C., 4,866,167, Cl. 536-27.000.

Chen, Philip L., to Microtek Lab., Inc. Optical color line scanning and imaging device having a roller drive. 4,809,062, 2-28-89, Cl. 358-75.000.

Chen, Philip T. Oxidative evaporation process and apparatus. 4,795,568, 1-3-89, Cl. 210-761.000.

Chen, Pi-Chi. Multipurpose handle grip for holding electric tools. 4,820,090, 4-11-89, Cl. 408-241.00R.

Chen, Po Y.; Chu, Shiao J.; Chen, Mei C.; Chang, Nan S.; and Lin, Wen C., to Industrial Technology Research Institute. Preparation of N-alkyl and N,N-dialkylaniline. 4,801,752, 1-31-89, Cl. 564-401.000.

Chen, Richard Y.: *See—*

Goldberg, Bruce S.; and Chen, Richard Y., 4,801,463, Cl. 426-36.000.

Chen, Richard Y. S., to Ocular Technologies, Inc. Gas permeable contact lens and method and materials for its manufacture. 4,812,598, 3-14-89, Cl. 523-107.000.

Chen, Richard Y. S., to Ocular Technologies, Inc. Gas permeable contact lens and method and materials for its manufacture. 4,820,747, 4-11-89, Cl. 523-107.000.

Chen, Richard Y. S., to Ocular Technologies, Inc. Gas permeable contact lens and method and materials for its manufacture. 4,822,864, 4-18-89, Cl. 526-279.000.

Chen, Samuel J., to Kendall Company, The. Adhesive tapes including same. 4,880,880, 11-14-89, Cl. 525-163.000.

Chen, Scott, to Tien Teng Wang. Flexible lamp-string device. 4,812,956, 3-14-89, Cl. 362-249.000.

Chen, Sen-Tsuen: *See—*

Becker, David F.; Chen, Sen-Tsuen; Perelberg, Azik I.; and Winbow, Graham A., 4,832,148, Cl. 181-104.000.

Winbow, Graham A.; Chen, Sen-Tsuen; and Rice, James A., 4,855,963, Cl. 367-31.000.

Chen, Shallop J.; and Johansson, Jan, to Advanced Micro Devices, Inc. Reset and synchronization interface circuit. 4,803,702, 2-7-89, Cl. 375-106.000.

Chen, Shallop J.; and Johansson, Jan, to Advanced Micro Devices, Inc. Current-limiting circuit. 4,808,905, 2-28-89, Cl. 323-222.000.

Chen, Shang-Hsieh. Improved trigger-type control switch for D.C. motors. 4,878,000, 10-31-89, Cl. 318-362.000.

Chen, Sheng-Chuan: *See—*

Lin, Wen-Tsung; and Chen, Sheng-Chuan, 4,884,062, Cl. 340-571.000.

Chen, Shien-Chi: *See—*

Marshall, Thomas C.; Schlesinger, S. Perry; Grossman, Arthur A.; and Chen, Shien-Chi, 4,825,441, Cl. 372-2.000.

Chen, Shih-Huei; and Davis, H. O., to Kaiser Aerotech. Structural ceramic materials having refractory interface layers. 4,837,230, 6-6-89, Cl. 501-88.000.

Chen, Shih L.: *See—*

Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., 4,851,201, Cl. 423-235.000.

Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., 4,861,567, Cl. 423-235.000.

Chen, Shih-Lu; Gadkaree, Kishor P.; and Mash, Joseph F., to Corning Incorporated. Extruded whisker-reinforced ceramic matrix composites. 4,853,350, 8-1-89, Cl. 501-9.000.

Chen, Shih-Ruey T., to Calgon Corporation. Stabilized cationic acrylate or methacrylate polymer admixtures. 4,816,508, 3-28-89, Cl. 524-300.000.

Chen, Shin H. Tone amplification in stringed instruments. 4,843,940, 7-4-89, Cl. 84-277.000.

Chen, Shirley C.: *See—*

Chow, Wing-Sun; Chen, Shirley C.; and Timmins, Peter, 4,883,785, Cl. 514-31.000.

Chen, Shixian; Wang, Hung S.; and Chang, Linai. Oscillatory tooth and needle gear transmitting devices. 4,798,104, 1-17-89, Cl. 74-804.000.

Chen, Sho Long S.: *See—*

Chung, Shine C.; Tsang, Siu K.; Koo, James T.; Chen, Sho Long S.; and Chan, John Y., 4,837,748, Cl. 365-236.000.

Chen, Shu-Mu. Soldering iron stand having an automatically actuated noxious fume removal arrangement. 4,868,369, 9-19-89, Cl. 219-242.000.

Chen, Shu P.; Engelmann, Theodore R.; and Oltmann, Harold D., to Allied-Signal Inc. Rotationally molding crosslinkable polyethylene composition. 4,857,257, 8-15-89, Cl. 264-310.000.

Chen, Shun; and Lee, Chin-Sheng, to Westinghouse Electric Corp. Bell seal of improved stability for high pressure turbines. 4,802,679, 2-7-89, Cl. 277-12.000.

Chen, Shye L., to Tatung-Conair Corporation. Two-purpose device of hand and hair dryers. 4,802,287, 2-7-89, Cl. 34-91.000.

Chen, Sinclair N. C.; and Archer, Donald H., to Raytheon Company. Radio frequency antenna with small cross-section. 4,864,319, 9-5-89, Cl. 343-786.000.

Chen, Sumi C.: *See—*

Chen, Chung-Ho; and Chen, Sumi C., 4,844,242, Cl. 206-5.100.

Chen, Chung-Ho; and Chen, Sumi C., 4,873,186, Cl. 435-1.000.

Chen, Sun C. Combination multi-contact synchronous slide switch. 4,816,625, 3-28-89, Cl. 200-16.00D.

Chen, Swe-Kai: *See—*

Heh, Shiang-Jiun; Chen, Swe-Kai; Jin, Fu-Teh; and Chen, Li-Kou, 4,875,946, Cl. 148-103.000.

Chen, Tai-Jun: *See—*

Liu, Jong-Min; Chen, Tai-Jun; Tsai, Lii-Chyuan; and Pai, Li-Wen, 4,882,250, Cl. 430-58.000.

Chen, Tasi A. Continuous processing machines for baking buns. 4,854,226, 8-8-89, Cl. 99-353.000.

Chen, Te-Hung: *See—*

Shaw, Donald J.; and Chen, Te-Hung, 4,863,699, Cl. 422-143.000.

Chen, Te-yu M.: *See—*

Staggs, Darrell W.; Stine, Laurence O.; and Chen, Te-yu M., 4,814,064, Cl. 208-50.000.

Chen, Teng-Mo. Fountain shaving device. 4,813,138, 3-21-89, Cl. 30-41.000.

Chen, Tianan: *See—*

Zhang, Wengong; Chen, Wending; and Chen, Tianan, 4,816,594, Cl. 556-182.000.

Chen, Tien T.: *See—*

Barnett, Gerald W.; and Chen, Tien T., 4,812,510, Cl. 524-807.000.

Chen, Tien-Teh: *See—*

Tang, Ping-Wah; Lau, Philip T. S.; Cowan, Stanley W.; Machonkin, Harold I.; and Chen, Tien-Teh, 4,804,620, Cl. 430-548.000.

Chen, Timothy S.: *See—*

Riccitiello, Salvatore R.; Hsu, Ming-Ta S.; and Chen, Timothy S., 4,851,491, Cl. 528-4.000.

Chen, Tsai A. Continuous processing baking machines. 4,886,041, 12-12-89, Cl. 126-19.00R.

Chen, Tsai-An. Flush control devices. 4,868,933, 9-26-89, Cl. 4-355.000.

Chen, Tsang J., to Eastman Kodak Company. Latex composition comprising polycarbonate having tertiary amine acid addition moiety. 4,824,902, 4-25-89, Cl. 524-611.000.

Chen, Tsang J., to Eastman Kodak Company. Photographic element comprising polycarbonate having tertiary amine acid addition salt. 4,855,392, 8-8-89, Cl. 528-203.000.

Chen, Tsu-Fang, to Magnetic Peripherals Inc. Disk spacer ring having air pumps. 4,873,594, 10-10-89, Cl. 360-97.030.

Chen, Tung C., to Therme, Inc. Circuit for providing electrical energy to a heatable means. 4,845,342, 7-4-89, Cl. 219-501.000.

Chen, Wayne G.; and Lin, Newman K., to Northern Telecom Limited. Measuring vibrational frequency of vibratable pins. 4,850,225, 7-25-89, Cl. 73-572.000.
Chen, Wen C.: *See—*
  Chang, Fung M.; Hsu, Chien C.; and Chen, Wen C., 4,798,125, Cl. 91-49.000.
Chen, Wen-Huang: *See—*
  Yuan, Chii-Yah; Tswei, Tsz-Gang; Lee, Chang-Franw; Wei, Wu-Yaw; Lin, Ching-Hwa; and Chen, Wen-Kuang, 4,848,618, Cl. 220-1.500.
Chen, Wen-Kuang: *See—*
  Yuan, Chii-Yah; Tswei, Tsz-Gang; Lee, Chang-Franw; Wei, Wu-Yaw; Lin, Ching-Hwa; and Chen, Wen-Kuang, 4,848,618, Cl. 220-1.500.
Chen, Wen Lin: *See—*
  Mar, Shih L., 4,830,345, Cl. 267-133.000.
Chen, Wen-Sen. Multi-function electric bell. 4,823,112, 4-18-89, Cl. 340-521.000.
Chen, Wen-Sherng: *See—*
  Soucie, William G.; Chen, Wen-Sherng; Witte, Vernon C.; Henry, George A.; and Drehkoff, William D., 4,885,179, Cl. 426-104.000.
Chen, Wenbing; and Chen, Da Q. Control apparatus for three phase alternating current load protection. 4,837,654, 6-6-89, Cl. 361-93.000.
Chen, Wending: *See—*
  Zhang, Wengong; Chen, Wending; and Chen, Tianan, 4,816,594, Cl. 556-182.000.
Chen, Wenpeng: *See—*
  Frazier, Claude C.; Guha, Shekhar; and Chen, Wenpeng, 4,879,479, Cl. 307-425.000.
Chen, Yan-rong: *See—*
  Yang, Ming-he; Chen, Yan-rong; Liu, Geng-tao; and Huang, Liang, 4,826,873, Cl. 514-467.000.
Chen, Yen-rong; Yang, Ming-he; Huang, Liang; Liu, Geng-tao; and Benz, Ulrich, to Chinese Academy of Medical Sciences; and Bayer Aktiengesellschaft. Delta-butyrolactams, thereof, processes for the preparation thereof and their medical use. 4,879,390, 11-7-89, Cl. 548-45[illegible].000.
Chen, Ying C.; Liu, Jia-ining; and Newkirk, Michael A., to GTE Laboratories Incorporated. Optically controlled semiconductor waveguide interferometer apparatus. 4,878,723, 11-7-89, Cl. 350-96.140.
Chen, Ying-Ho: *See—*
  Lunsford, Carl D.; and Chen, Ying-Ho, 4,806,555, Cl. 514-652.000.
Chen, Ying-Shiun. Computerized bingo-chain game. 4,863,173, 9-5-89, Cl. 273-237.000.
Chen, Ying T.; and Luo, Mary Z. Variable anamorphic lens system. 4,805,998, 2-21-89, Cl. 350-420.000.
Chen, Ying T.; and Luo, Mary Z. Adjustable water temperature cycling device. 4,809,728, 3-7-89, Cl. 137-112.000.
Chen, Yu-Hua. Burglar alarm including a reed relay actuated in response to a vibrating magnet to produce an alarm signal. 4,864,087, 9-5-89, Cl. 200-61.930.
Chen, Yu-Tsai: *See—*
  Poppe, Wassily; Chen, Yu-Tsai; and Paschke, Edward E., 4,863,991, Cl. 524-606.000.
Chen, Yue S.: *See—*
  Cuculo, John A.; Theil, Michael H.; Yang, Kap S.; and Chen, Yue S., 4,840,673, Cl. 106-198.000.
Chen, Yuhpyng L., to Pfizer Inc. 6-(Substituted)methylene-penicillanic and 6-(substituted)hydroxymethylpenicillanic acids and derivatives thereof. 4,826,833, 5-2-89, Cl. 514-192.000.
Chen, Yung-Jui; Elman, Boris S.; and Carter, Gary M., to GTE Laboratories Incorporated. Method of making micro-optical components on polydiacetylene optical devices. 4,808,285, 2-28-89, Cl. 204-157.150.
Chen, Zhenhai: *See—*
  Wilson, James F.; George, Rhett T., Jr.; and Chen, Zhenhai, 4,876,944, Cl. 91-35.000.
Chen, Ziuyun: *See—*
  Fang, Hongsheng; Zhao, Rufa; Zheng, Yankang; Chen, Ziuyun; He, Guangchu; Gu, Jiaoyou; Zhu, Mingang; Zhang, Zhixin; and Tong, Keging, 4,812,182, Cl. 148-330.000.
Chen, Zu-yuan: *See—*
  Jiang, Ke-zheng; Ren, Deng-ke; Chen, Zu-yuan; and You, Lianzhen, 4,860,019, Cl. 343-795.000.
Chenard, Bertrand L., to Du Pont de Nemours, E. I., and Company. 8-substituted pyrazolopentathiepins and related compounds. 4,795,817, 1-3-89, Cl. 548-370.000.
Chenausky, Peter P. RF transformer and diagnostic technique therefor. 4,809,284, 2-28-89, Cl. 333-24.00R.
Chene, Alain, to Rhone-Poulenc Agrochimie S.A. Process for the preparation of aryloxybenzoic acids containing a sulfonamide group. 4,874,846, 10-17-89, Cl. 534-560.000.
Chenest, Gerard, to Unisys Corporation. Endless ink ribbon cassette. 4,817,844, 4-4-89, Cl. 226-118.000.
Chenest, Gerard, to Unisys Corporation. Printer with printing shield. 4,840,507, 6-20-89, Cl. 400-713.000.
Cheney, Brian A.: *See—*
  Rioja, Roberto J.; Colvin, Edward L.; Vasudevan, Asuri K.; and Cheney, Brian A., 4,861,391, Cl. 148-12.70A.
Cheney, Glen T.; Kirsch, Howard C.; Nelson, James T.; and Stefany, James H., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Dual level polysilicon single transistor-capacitor memory array. 4,887,135, 12-12-89, Cl. 357-23.600.
Cheney, Paul G.: *See—*
  Eian, Gilbert L.; and Cheney, Paul G., 4,868,032, Cl. 428-198.000.
Cheney, Prescott J., to M. C. Johnson Co., Inc. Leg and ankle holder for assisting medical and radiological professionals in X-ray examination and filming of the ankle and foot structure. 4,827,496, 5-2-89, Cl. 378-180.000.
Cheng, Alan T., to Union Carbide Corporation. Method of separating gas and/or particulate matter from a liquid. 4,861,352, 8-29-89, Cl. 55-53.000.
Cheng, Anthony K.: *See—*
  Polito, Alan J.; and Cheng, Anthony K., 4,855,226, Cl. 435-7.000.
Cheng, Chen H. Lavatory seat controller. 4,862,525, 9-5-89, Cl. 4-251.000.
Cheng, Chen-Yen; Cheng, Sing-Wang; and Cheng, Wu-Cheh. Methods and apparatuses for conducting solid-liquid-vapor multiple phase transformation operations. 4,809,519, 3-7-89, Cl. 62-545.000.
Cheng, Chen-Yen; and Cheng, Sing-Wang. Vacuum freezing ambient pressure melting (VFAPM) process and sub-triple point vapor processing unit for use therein. 4,810,274, 3-7-89, Cl. 62-12.000.
Cheng, Chensan. Pair of goggles and the manufacturing method thereof. 4,850,058, 7-25-89, Cl. 2-439.000.
Cheng, Chih-Jen. Dust-proof caster with a brake mechanism. 4,854,00 8-8-89, Cl. 16-18.00A.
Cheng, Chin S., to Wilson Foods Corporation. Method of treating fresh meat cuts. 4,818,548, 4-4-89, Cl. 426-265.000.
Cheng, Chiun J. Stairway accessible carry cart with foldaway wheels. 4,858,940, 8-22-89, Cl. 280-5.200.
Cheng, Chu-Liang, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of making vertical enhancement mode group III-V compound MISFETS. 4,824,804, 4-25-89, Cl. 437-203.000.
Cheng, Chu-Liang; Cheng, Julian; and Forrest, Stephen R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Process for making indium gallium arsenide devices. 4,829,34 5-9-89, Cl. 357-22.000.
Cheng, Chun-Nang. Apparatus for producing leaves for christmas tree. 4,800,632, 1-31-89, Cl. 29-33.00R.
Cheng, Dah Y., to International Power Technology. Steam-injected free-turbine-type gas turbine. 4,823,546, 4-25-89, Cl. 60-39.040.
Cheng, David; and Zhang, Wesley W., to Applied Materials, Inc. System and method for detecting the center of an integrated circuit wafer. 4,819,167, 4-4-89, Cl. 364-167.010.
Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., to Applied Materials, Inc. Magnetic field-enhanced plasma etch reactor. 4,842,683, 6-27-89, Cl. 156-345.000.
Cheng, David S. K.; and Wang, Andrew S., to Sungene Technologies Corporation. Process for regenerating corn. 4,843,005, 6-27-89, Cl. 435-240.490.
Cheng, David W.; and Brown, Hugh O., to Beckman Instruments, Inc. Lid retention apparatus for coverage centrifuge rotors. 4,850,95 7-25-89, Cl. 494-16.000.
Cheng, David W.: *See—*
  Burolla, Victor P.; and Cheng, David W., 4,865,090, Cl. 141-165.000.
Cheng, Der C.: *See—*
  Chuan, Chuang T.; and Cheng, Der C., 4,839,780, Cl. 362-265.000.
Cheng, Fu. Method and apparatus for automatically cutting workpieces on a portable lathe. 4,794,831, 1-3-89, Cl. 82-1.00C.
Cheng, H. T., to Lisonic Electronic Co. Ltd. Tape recorder stop mechanism. 4,803,585, 2-7-89, Cl. 360-96.300.
Cheng, Herman C. T.: *See—*
  Boughton, John H.; Butz, Ralph A.; Cheng, Herman C. T.; Dennis Jonathan R.; Hannon, Brian T.; and Weigel, Janet H., 4,879,04 Cl. 210-651.000.
Cheng, Hsien C.: *See—*
  Jones, Winton D.; Claxton, George P.; Dage, Richard C.; Cheng, Hsien C.; and Robinson, Phillip J., 4,886,811, Cl. 514-314.000.
Cheng, Huan-Sung. Method and apparatus for control of engine idling circuit. 4,838,224, 6-13-89, Cl. 123-339.000.
Cheng, Huan-Sung. Backward driving device for tricycle. 4,852,43 8-1-89, Cl. 74-376.000.
Cheng, Josephine M.; Nomm, Nicholas V.; and Yothers, Jay A., to International Business Machines Corporation. Method for the relocation of linked control blocks. 4,833,604, 5-23-89, Cl. 364-200.000.
Cheng, Julian: *See—*
  Cheng, Chu-Liang; Cheng, Julian; and Forrest, Stephen R., 4,829,347, Cl. 357-22.000.
Cheng, Jun-Nan. Kite with improved structure. 4,830,313, 5-16-89, Cl. 244-153.00R.
Cheng, Kuang L., to Solar Scientific, Inc. Potential measuring method and apparatus having signal amplifying multiple membrane electrode. 4,886,584, 12-12-89, Cl. 204-1.00T.
Cheng, Leo. Digital meter automatic off power supply circuit. 4,825,143, 4-25-89, Cl. 323-351.000.
Cheng, Li-Jen, to United States of America, National Aeronautics and Space Administration. Tailorable infrared sensing device with strain layer superlattice structure. 4,843,439, 6-27-89, Cl. 357-4.000.
Cheng, Min-Lee: *See—*
  Gurske, William A.; Blessum, Cynthia R.; Cheng, Min-Lee; and Andrade, Mark S., 4,857,163, Cl. 204-299.00R.
Cheng, Paul J., to Phillips Petroleum Company. Apparatus for producing carbon black. 4,859,426, 8-22-89, Cl. 422-156.000.
Cheng, Peter S. C. Carrier with simultaneous formation of carrying handle and decorative bow. 4,809,353, 2-28-89, Cl. 383-6.000.
Cheng, Peter S. C. Decorative bow assembly and method of making same. 4,822,648, 4-18-89, Cl. 428-4.000.
Cheng, Peter S. C. Toothpick dispenser. 4,832,194, 5-23-89, Cl. 206-380.000.

Cheng, Peter S. C. Carrier container with improved closure. 4,836,690, 6-6-89, Cl. 383-6.000.
Cheng, Peter S. C. Decorative netting bow and method of making same. 4,840,822, 6-20-89, Cl. 428-4.000.
Cheng, Peter S. C. Reinforced joint, particularly for securing pull-type ribbon to a decorative carrying container. 4,863,284, 9-5-89, Cl. 383-18.000.
Cheng, Peter S. C. Decorative gift package. 4,867,577, 9-19-89, Cl. 383-78.000.
Cheng, Ping N. Nursing bottle with a liner and vent. 4,821,896, 4-18-89, Cl. 215-11.300.
Cheng, Se L., to Alltrade, Inc. Portable compressor kit with detachable lamp. 4,830,579, 5-16-89, Cl. 417-234.000.
Cheng, Sheng-Chi, to Cheng, Sheng-Chi; Mann, Robert; and Robert Mann Packaging, Inc. Method of manufacturing metallized thermoplastic flower pot cover. 4,795,601, 1-3-89, Cl. 264-138.000.
Cheng, Sheng-chuang. Improved structure of computer keyboard and circuit board. 4,827,243, 5-2-89, Cl. 341-22.000.
Cheng, Sing-Wang: *See—*
  Cheng, Chen-Yen; Cheng, Sing-Wang; and Cheng, Wu-Cheh, 4,809,519, Cl. 62-545.000.
  Cheng, Chen-Yen; and Cheng, Sing-Wang, 4,810,274, Cl. 62-12.000.
Cheng, Tai C.: *See—*
  Mercer, Frank W.; Froix, Michael F.; and Cheng, Tai C., 4,879,338, Cl. 524-508.000.
Cheng, Ton-Lin. Relating to a flow regulator for intravenous injection device. 4,870,987, 10-3-89, Cl. 137-192.000.
Cheng, Wan J.; Lin, Fu S.; Jong, Yun L.; and Huang, Fu J., to Dairen Chemical Corporation. Process for the manufacture of pyridine in high yield and selectivity during a prolonged period of operation. 4,866,179, 9-12-89, Cl. 546-250.000.
Cheng, Wenche W.; and Elder, George G., to Westinghouse Electric Corp. Process for heat treating a heat exchanger tube surrounded by a support plate. 4,816,089, 3-28-89, Cl. 148-127.000.
Cheng, Wenche W.: *See—*
  Bevilacqua, Bruce W.; Cheng, Wenche W.; Stoner, Donald R.; Pement, Fredric W.; Burack, Robert D.; and Gilkison, Joseph M., 4,820,359, Cl. 148-127.000.
Cheng, Wu-Cheh: *See—*
  Cheng, Chen-Yen; Cheng, Sing-Wang; and Cheng, Wu-Cheh, 4,809,519, Cl. 62-545.000.
Cheng, Wu-Cheng; Lundsager, Christian B.; and Spotnitz, Robert M., to W. R. Grace & Co.-Conn. Shaped catalyst and process for making it. 4,826,799, 5-2-89, Cl. 502-301.000.
Cheng, Wu-Hsun, to Du Pont de Nemours, E. I., and Company. Carbon dioxide calcination of methanol dissociation catalysts. 4,826,798, 5-2-89, Cl. 502-244.000.
Cheng, Wu-Hsun, to Du Pont de Nemours, E. I., and Company. Regeneration of methanol dissociation catalysts. 4,855,267, 8-8-89, Cl. 502-50.000.
Cheng, Yin-Ho. Copper cable wire peeler. 4,829,671, 5-16-89, Cl. 30-90.100.
Cheng, Ying Ying: *See—*
  Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, 4,849,501, Cl. 528-353.000.
Cheng, Yu-Ling; Gale, Robert M.; Sugihara, Edna; and Sanders, Harold F., to ALZA Corporation. Skin permeation enhancer compositions using sucrose esters. 4,865,848, 9-12-89, Cl. 424-449.000.
Cheng, Yu-Ling: *See—*
  Sanders, Harold F.; Cheng, Yu-Ling; Enscore, David J.; and Libicki, Shari B., 4,820,720, Cl. 514-356.000.
Chengdu Aircraft Corporation: *See—*
  Hua, Wang, 4,840,165, Cl. 123-606.000.
Chengdu Tool Research Institute of The State Commission for Machinery Industry: *See—*
  Huang, Tongnian; You, Dengyun; Lu, Tongjing; Kang, Deyuan; and Duan, Rongan, 4,831,872, Cl. 73-162.000.
Chengelis, Christopher P.: *See—*
  Burton, Earl G.; Chengelis, Christopher P.; and Walsh, Gerald M., 4,866,063, Cl. 514-258.000.
Chenier, Andre ; and Hamel, Andre, to Hydro-Quebec. Self-powered electrical measuring system isolated from electrical perturbances. 4,831,327, 5-16-89, Cl. 324-127.000.
Chenil Cont. S.p.A.: *See—*
  Sostegni, Giuliano, 4,813,961 Cl. 623-22.000.
Chenneh, Donald A. Soil stabilizing apparatus. 4,838,729, 6-13-89, Cl. 404-90.000.
Chenoweth, Darrell L.: *See—*
  Knecht, John A.; and Chenoweth, Darrell L., 4,881,270, Cl. 382-17.000.
Chenoweth, Dennis E.: *See—*
  Johnson, Richard J.; Chenoweth, Dennis E.; Boggs, Daniel R.; and Lysaght, Michael J., 4,882,106, Cl. 264-41.000.
Chenoweth, Vaughn C.; and Goodsell, Robert C., to Guardian Industries Corp. Improved non-woven fibrous product. 4,888,235, 12-19-89, Cl. 428-283.000.
Chenoweth, Vaughn C.; and Goodsell, Roger C., to Guardian Industries Corp. Non-woven fibrous product. 4,889,764, 12-26-89, Cl. 428-283.000.
Chepurnoi, Nikolai P.: *See—*
  Terskov, Alexei D.; Plavskikh, Vladimir D.; Kostylev, Alexandr D.; Nazarov, Nikolai G.; Chepurnoi, Nikolai P.; Cherednikov, Evgeny N.; and Karavaev, Andron T., 4,819,741, Cl. 173-91.000.
Cherbonnier, T. Dave. Load compensating system. 4,883,388, 11-28-89, Cl. 405-195.000.
Cherbonnier, T. Dave. Dynamic load compensating system. 4,886,397, 12-12-89, Cl. 405-195.000.
Cherbuy, Bernard; Kinet, Daniel; and Estavoyer, Jacques, to Bull S.A. Powdered substance for lubricating the recording carrier or a magnetic printer. 4,831,386, 5-16-89, Cl. 346-74.200.
Cherbuy, Bernard; and Estavoyer, Jacques, to Bull S.A. Device for intermittent application of particles of a powdered developer to the recording surface of a magnetographic printer. 4,877,341, 10-31-89, Cl. 400-119.000.
Cherbuy, Bernard: *See—*
  Raulin, Philippe; Messer, Jean-Pierre; Cherbuy, Bernard; and Estavoyer, Jacques, 4,811,476, Cl. 29-603.000.
Cherebedov, Dmitry N.: *See—*
  Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.
Cheredaryk, Lorne; and Cheredaryk, Wilfred. Reflecting ornament string. 4,858,425, 8-22-89, Cl. 59-80.000.
Cheredaryk, Wilfred: *See—*
  Cheredaryk, Lorne; and Cheredaryk, Wilfred, 4,858,425, Cl. 59-80.000.
Cherednikov, Evgeny N.: *See—*
  Terskov, Alexei D.; Plavskikh, Vladimir D.; Kostylev, Alexandr D.; Nazarov, Nikolai G.; Chepurnoi, Nikolai P.; Cherednikov, Evgeny N.; and Karavaev, Andron T., 4,819,741, Cl. 173-91.000.
Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., to Spetsialnoe Konstruktorskoe Bjuro Gidroimpulsnoi Tekniki Sibirskogo Otdelenia Akademii Nauk SSSR. Apparatus for deburring workpieces by gas detonation. 4,819,917, 4-11-89, Cl. 266-51.000.
Cherenko, Joseph: *See—*
  O'Dwyer, James B.; Chang, Wen-Hsuan; Scriven, Roger L.; and Cherenko, Joseph, 4,824,926, Cl. 528-65.000.
Cheresnowsky, John, to GTE Products Corporation. Process for purifying molybdenum. 4,885,144, 12-5-89, Cl. 423-54.000.
Cheresnowsky, Michael J., to GTE Products Corporation. Method for producing fine cobalt metal powder. 4,798,623, 1-17-89, Cl. 75-0.5AA.
Cheresnowsky, Michael J.; and Scheftic, Judy L., to GTE Products Corporation. Method for removing arsenic from ammonium dimolybdate. 4,814,148, 3-21-89, Cl. 423-55.000.
Cherian, Abraham; and Foerster, Joseph C., to Xerox Corporation. Magnetic roll for a copier. 4,823,102, 4-18-89, Cl. 335-306.000.
Cherian, Gabe. Anti-glare visor system. 4,818,011, 4-4-89, Cl. 296-97.200.
Cherian, Gabe. Anti-glare eyeglasses. 4,828,380, 5-9-89, Cl. 351-45.000.
Cherill, Robert J.: *See—*
  Kosley, Raymond W., Jr.; and Cherill, Robert J., 4,851,397, Cl. 514-63.000.
Cherin, Paul: *See—*
  Badesha, Santokh S.; Cherin, Paul; Foley, Geoffrey M. T.; Lees, Barry A.; and Wozniak, John, 4,842,973, Cl. 430-128.000.
  Foley, Geoffrey M.; Badesha, Santokh S.; Cherin, Paul; Pheilshifter, Kenneth J.; and Perry, Philip G., 4,822,712, Cl. 430-128.000.
Cherkez, Stephan: *See—*
  Vaya, Jacob; Ladkani, David; Schoenberger, Clara; Kaspi, Joseph; Salemnick, Gad; Yellin, Haim; and Cherkez, Stephan, 4,889,929, Cl. 540-318.000.
Cherko, Carl F., to Oerlikon Motch Corporation. Combination machine tool apparatus and pallet changing system. 4,797,989, 1-17-89, Cl. 29-568.000.
Cherko, Carl F.: *See—*
  Nowak, Ronald R.; and Cherko, Carl F., 4,875,693, Cl. 279-2.00R.
Chern, Bung-Hwang. Multi-purpose combination writing instrument. 4,815,881, 3-28-89, Cl. 401-52.000.
Chern, Geeng-Chuan: *See—*
  Huang, John Y.; and Chern, Geeng-Chuan, 4,833,096, Cl. 437-29.000.
  Wu, Tsung-Ching; Chern, Geeng-Chuan; and Hu, James C., 4,859,619, Cl. 437-43.000.
Chern, Jiuun F. Skate bike. 4,863,182, 9-5-89, Cl. 280-266.000.
Chern, Lu-Meng. Exercise machine weight guide. 4,878,662, 11-7-89, Cl. 272-118.000.
Chern, Mao-jin J.; and Wreede, John E., to Hughes Aircraft Company. Flare reduction in holograms. 4,815,800, 3-28-89, Cl. 350-3.700.
Chern, Ming J. Cordless remote control shutter activation device. 4,801,959, 1-31-89, Cl. 354-266.000.
Chern, Shyh. Ratchetless reversible wrench. 4,873,898, 10-17-89, Cl. 81-59.100.
Chern, Terry S., to Du Pont de Nemours, E. I., and Company. Method and apparatus for reducing the moisture content of wet yarns. 4,821,427, 4-18-89, Cl. 34-41.000.
Chern, Terry S.; De La Veaux, Stephan C.; Lahijani, Jacob; and Van Trump, James E., to Du Pont de Nemours, E. I., and Company. Process for manufacturing a high modulus poly-p-phenylene terephthalamide fiber. 4,883,634, 11-28-89, Cl. 264-555.000.
Chern, Wen-Bin. Cigarette case. 4,850,481, 7-25-89, Cl. 206-249.000.
Chern, Yan H. Fixture for holding different workpieces in different positions thereon. 4,832,324, 5-23-89, Cl. 269-91.000.

Chernack, Milton, to Production Previews, Inc. Liquid curable adhesive composition comprising a polyester resin and a microencapsulated peroxide curing agent. 4,808,639, 2-28-89, Cl. 523-211.000.

Chernack, Milton P. Child resistant closure. 4,838,441, 6-13-89, Cl. 215-216.000.

Chernack, Milton P., to Production Previews, Inc. Frangible capsules containing composition. 4,844,885, 7-4-89, Cl. 424-61.000.

Chernack, Milton P., to Production Previews, Inc. Dentifrice containing microencapsulated oxygen. 4,867,988, 9-19-89, Cl. 424-490.000.

Chernack, Milton P., to E-Z-EM, Inc. Hypodermic syringe assembly. 4,869,720, 9-26-89, Cl. 604-228.000.

Cherne Industries, Inc.: *See—*
  Mathison, Allen D.; and Nelson, Dale K., 4,817,671, Cl. 138-89.000.

Cherne, Lawrence W.; and Lyttle, Kevin A., to Union Carbide Corporation. Constant arc voltage gas metal arc welding process. 4,871,898, 10-3-89, Cl. 219-137.00R.

Cherne, Lawrence W.: *See—*
  Larson, Nils E.; Leturno, David B.; and Cherne, Lawrence W., 4,857,692, Cl. 219-74.000.

Cherne Medical, Inc.: *See—*
  Kroll, Mark W., 4,811,156, Cl. 361-58.000.
  Kroll, Mark W., 4,832,608, Cl. 439-67.000.
  Kroll, Mark W.; and Pommrehn, Mark R., 4,879,760, Cl. 455-605.000.

Chernega, John G.; Martens, John A.; Lau, Felix P.; and Milner, Leslie M., to Minnesota Mining and Manufacturing Company. Stretched surface recording medium. 4,835,647, 5-30-89, Cl. 360-135.000.

Chernega, John G.; Martens, John A.; Olsen, Roger A.; and Cottingham, Auburn B., deceased (by Cottingham, Sue E., administrator), to Minnesota Mining and Manufacturing Company. Electron beam curable copolymer useful in recording media. 4,889,895, 12-26-89, Cl. 525-278.000.

Cherney, Dale M., to Hayssen Manufacturing Company. Form, fill and seal registration system apparatus and method including variable length compensation and out of registration restoration. 4,860,522, 8-29-89, Cl. 53-451.000.

Cherniak, Jaime G. Base plate to form an insole for an orthotic foot brace and a method of forming an orthotic foot brace. 4,819,644, 4-11-89, Cl. 128-596.000.

Chernoff, Ira. Device for pinning bone fractures. 4,852,559, 8-1-89, Cl. 128-92.0YZ.

Chernomorsky, Simon A. Use of anorectal compositions. 4,797,392, 1-10-89, Cl. 514-185.000.

Chernyai, Alexandr I.: *See—*
  Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.
  Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Oleinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-18.000.

Chernysh, Elena N.: *See—*
  Grischenko, Valentin I.; Tarasov, Valery F.; Galchenko, Sergei E.; Kalugin, Jury V.; Paraschuk, Jury S.; Luchko, Nina A.; and Chernysh, Elena N., 4,817,397, Cl. 62-514.00R.

Cheron, Jacques: *See—*
  Ambrosino, Jean-Louis; Cohen, Choua; Cheron, Jacques; and Rouey, Alexandre, 4,812,250, Cl. 252-67.000.

Cherri, Allan; and Cooper, Peter W. Visual environment simulator for mobile viewer. 4,807,202, 2-21-89, Cl. 367-129.000.

Cherry Corporation, The: *See—*
  Channing, Dean A.; and Chiang, Lih W., 4,837,566, Cl. 340-781.000.
  Cherry, Walter L.; and Glaser, David, 4,849,674, Cl. 313-509.000.
  Cherry, Walter L., 4,882,518, Cl. 313-512.000.
  Glaser, David, 4,826,727, Cl. 428-403.000.

Cherry, Craig D., to Spectra-Physics, Inc. Method and system for control of a bar code scanner threshold. 4,798,943, 1-17-89, Cl. 235-463.000.

Cherry, Craig D., to Spectra-Physics, Inc. Bar code scanner laser emission reduction. 4,845,349, 7-4-89, Cl. 235-462.000.

Cherry, Craig D.; Taussig, Andrew P.; and Brooks, Michael T., to Spectra-Physics, Inc. Method of decoding a binary scan signal. 4,879,456, 11-7-89, Cl. 235-462.000.

Cherry, David A.; Maryanoff, Cynthia A.; Mills, John E.; Olofson, Roy A.; and Rodgers, James D., to McNeilab, Inc. Process for producing 1-(5-substituted-2-ethynylphenyl)-2-propanones. 4,798,893, 1-17-89, Cl. 544-215.000.

Cherry Division of Textron, Inc.: *See—*
  Gutnik, Saul, 4,815,193, Cl. 29-509.000.

Cherry, John A.: *See—*
  Johnson, Richard L.; Cherry, John A.; and Pankow, James F., 4,811,599, Cl. 73-155.000.

Cherry-Mikroschalter GmbH: *See—*
  Murmann, Gunter; and Mertel, Walter H., 4,800,245, Cl. 200-345.000.

Cherry, Peter C.: *See—*
  Kitchin, John; Cherry, Peter C.; Pipe, Adrian J.; Crame, Andrew J.; and Borthwick, Alan D., 4,880,801, Cl. 514-215.000.

Cherry, Roger L.; Burke, Joseph J.; Platt, Christopher W.; and Cowles, Craig H., to Tempress Measurement & Control Corporation. High-purity cleaning system, method, and apparatus. 4,832,753, 5-23-89, Cl. 134-22.180.

Cherry Semiconductor Corporation: *See—*
  Gontowski, Walter S., 4,820,935, Cl. 307-112.000.
  Gontowski, Walter S., 4,887,022, Cl. 323-284.000.
  Gontowski, Walter S., Jr.; Redl, Richard; and Sokal, Nathan O., 4,819,122, Cl. 361-93.000.
  Gontowski, Walter S., Jr., 4,885,525, Cl. 323-315.000.
  Skoutas, James P., 4,866,311, Cl. 307-490.000.

Cherry, Steve B.: *See—*
  Newman, Garry F.; Carson, Dean F.; and Cherry, Steve B., 4,849,256, Cl. 427-202.000.

Cherry, Walter L.; and Glaser, David, to Cherry Corporation, The. Electroluminescent display with interlayer for improved forming. 4,849,674, 7-18-89, Cl. 313-509.000.

Cherry, Walter L., to Cherry Corporation, The. Back cap for an electroluminescent display. 4,882,518, 11-21-89, Cl. 313-512.000.

Cherubini, Jack: *See—*
  Krause, Alan E., II; and Willett, Russell G., 4,886,287, Cl. 280-246.000.

Cherukuri, Satyam C.; and Butt, Sheldon H., to Olin Corporation. Semiconductor casing. 4,796,083, 1-3-89, Cl. 357-74.000.

Cherukuri, Satyam C.: *See—*
  Fister, Julius C.; Cherukuri, Satyam C.; Mahulikar, Deepak; and O'Donnelly, Brian E., 4,872,047, Cl. 357-67.000.

Cherukuri, Subraman R.; Faust, Steven M.; and Orlandi, Daniel A., to Warner-Lambert Company. Flavor and sweetness enhancement delivery systems and method of preparation. 4,803,082, 2-7-89, Cl. 424-493.000.

Cherukuri, Subraman R.; and Mansukhani, Gul, to Warner-Lambert Company. Sweetener delivery systems containing polyvinyl acetate. 4,816,265, 3-28-89, Cl. 426-5.000.

Cherukuri, Subraman R.; Mansukhani, Gul; and Jacob, Kapakkamannil C., to Warner-Lambert Company. Stable sweetner delivery system for use with cinnamon flavors. 4,839,184, 6-13-89, Cl. 426-307.000.

Cherukuri, Subraman R.; and Mansukhani, Gul, to Warner-Lambert Company. Reduced calorie chewing gum base and compositions containing the same. 4,872,884, 10-10-89, Cl. 426-3.000.

Cherukuri, Subraman R.: *See—*
  Faust, Steven M.; and Cherukuri, Subraman R., 4,822,597, Cl. 424-48.000.
  Faust, Steven M.; and Cherukuri, Subraman R., 4,853,212, Cl. 424-48.000.
  Oppenheimer, Alfred; Glass, Michael; and Cherukuri, Subraman R., 4,832,962, Cl. 426-3.000.

Cheruvu, Narayana S.: *See—*
  Reynolds, Samuel D., Jr.; and Cheruvu, Narayana S., 4,850,794, Cl. 415-136.000.

Chervonenko, Alfred G.; Naduty, Vladimir P.; Morus, Vladimir L.; Kravchenko, Valery I.; and Lavrukhin, Viktor A., to Institut Geotekhnicheskoj Mekhaniki. Elastomeric element for forming surface engageable with loose abrasive materials, and a sizing screen made from such elements. 4,879,024, 11-7-89, Cl. 209-352.000.

Chervu, Lakshman R.; Bhargava, Kuldeep K.; and Blaufox, M. Donald, to Albert Einstein College of Medicine - of Yeshiva University. Mercaptosuccinyl glycyl-glycyl-glycine a complex thereof with Tc-99m, and methods of making the same. 4,883,862, 11-28-89, Cl. 530-331.000.

Chervu, Lakshman R.: *See—*
  Bhargava, Kuldeep K.; Chervu, Lakshman R.; and Blaufox, M. Donald, 4,883,650, Cl. 424-1.100.

Cherwin, Charles. Motor-driven map holder. 4,794,715, 1-3-89, Cl. 40-514.000.

Cherwonogrodzky, John W.: *See—*
  Bundle, David R.; Perry, Malcolm B.; Cherwonogrodzky, John W.; Duncan, J. Robert; and Caroff, Martine G., 4,831,126, Cl. 536-53.000.

Chesarek, Richard H., to Quantum Medical Systems, Inc. Ultrasound imaging system for relatively low-velocity blood flow at relatively high frame rates. 4,888,694, 12-19-89, Cl. 364-413.240.

Chesebrough-Pond: *See—*
  Kinseley, Peter B., 4,863,131, Cl. 248-220.400.

Chesebrough-Pond's Inc.: *See—*
  Arnold, Donald L., 4,798,303, Cl. 215-329.000.
  Blasius, William G., Jr.; and Zygmont, Joseph F., Jr., 4,795,421, Cl. 604-1.000.
  Duffy, Karen; Helfer, Joel; and Campion, Terese, 4,824,071, Cl. 249-117.000.
  Gentile, James L.; LaRosa, Joseph P.; and Rainey, Dean R., 4,854,484, Cl. 222-256.000.
  Kinseley, Peter B.; Kipperman, Stuart R.; and Russo, John A., 4,800,904, Cl. 132-73.500.
  LaRosa, Joseph P.; and Lombardi, Michael H., 4,811,90 Cl. 239-10.000.
  Nelson, Bruce J.; Melnik, Joseph D.; and Schmitt, William H., 4,829,092, Cl. 514-738.000.
  Rainey, Dean R., 4,809,878, Cl. 222-321.000.
  Schlameus, Herman W.; Lew, Chel W.; and Atkinson, Donald M., 4,888,140, Cl. 264-4.300.
  Sheehan, Kathleen, 4,795,631, Cl. 424-64.000.
  Silberberg, Joseph, 4,815,608, Cl. 132-295.000.
  Siuta-Mangano, Patricia, 4,795,629, Cl. 424-70.000.
  Siuta-Mangano, Patricia, 4,812,307, Cl. 424-71.000.
  Thompson, Thomas E., 4,801,049, Cl. 222-179.500.
  Vishnupad, Mohan; Ramirez, Jose E.; and Bornfriend, Robert, 4,832,858, Cl. 252-49.500.

Cheshire, Philip: *See—*
  Ballard, Dennis G. H.; Cheshire, Philip; and Przeworski, Josef E., 4,822,701, Cl. 429-192.000.

Cheski, Ronald A.; and Maier, Alfred E., to Westinghouse Electric Corp. Molded case circuit breaker with viewing window and sliding barrier. 4,827,231, 5-2-89, Cl. 335-17.000.

Chesley F. Carlson Company: *See—*
  Carlson, Chesley F., 4,855,793, Cl. 355-53.000.

Chesney, Casey: *See—*
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Chesney, Henry M.: *See—*
  May, Michael D.; and Chesney, Henry M., 4,811,277, Cl. 370-94.000.

Chesney, Joseph J., Jr.: *See—*
  Schaefer, Robert E.; Broney, Scott C.; and Chesney, Joseph J., Jr., 4,833,178, Cl. 523-428.000.

Chesnoy, Jose; and Fini, Lorenzo, to Centre National de la Recherche Scientifique. Laser providing stable femtosecond pulses. 4,815,080, 3-21-89, Cl. 372-30.000.

Chesnut, M. Gaines. Cartridge magazine and method for increasing number of stored cartridges. 4,811,510, 3-14-89, Cl. 42-50.000.

Chesnut, M. Gaines; and Castetter, Thomas L., to Ram-Line, Inc. Side-by-side cartridge magazine for cartridges. 4,862,620, 9-5-89, Cl. 42-50.000.

Chesnut, M. Gaines; and Wood, W. Lawrence, to Ram-Line, Inc. Magazine for housing cartridges using a spirally wound conforce spring. 4,888,899, 12-26-89, Cl. 42-50.000.

Chesnut, Milton L.; Schroeder, Alfred A.; and Norman, Richard O. Housing and connector apparatus for electronic circuit. 4,811,168, 3-7-89, Cl. 361-399.000.

Chesnut, Milton L., to Lancer Corporation. Electronic ice bank control. 4,823,556, 4-25-89, Cl. 62-139.000.

Chesnut, Paul B., to Whirlpool Corporation. Modular home ice maker test apparatus. 4,799,362, 1-24-89, Cl. 62-127.000.

Chesnut, Paul B., to Whirlpool Corporation. Ice maker with overtemperature protection. 4,833,894, 5-30-89, Cl. 62-135.000.

Chesnut, William J. Acromioplasty guide pins. 4,815,467, 3-28-89, Cl. 128-329.00R.

Chess, Henry L., Jr.; Engdahl, Roger A.; and Wedin, James A., to Xerkon, Inc. High speed process for production of oriented structural yarn/polymer matrix composite structural parts. 4,842,787, 6-27-89, Cl. 264-40.600.

Chess, Robert L., to Hyster Company. Transmission control providing sequentially engaged high and low speed clutches. 4,848,530, 7-18-89, Cl. 192-3.580.

Chester, Arthur W.; Garwood, William E.; and Vartuli, James C., to Mobil Oil Corporation. Catalytic dewaxing of light and heavy oils in dual parallel reactors. 4,810,357, 3-7-89, Cl. 208-78.000.

Chester, Arthur W.: *See—*
  Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., 4,810,361, Cl. 208-213.000.
  Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., 4,873,216, Cl. 502-211.000.

Chester, John K.: *See—*
  Callahan, Michael; Chester, John K.; and Goddard, Robert M., 4,823,069, Cl. 323-235.000.

Chester, Stephen O.: *See—*
  Goggans, Gary L.; Everhart, Cherie H.; Chester, Stephen O.; Frost, J. Eric; and Ozbirn, Monica V., 4,801,482, Cl. 428-68.000.

Chesters, Allan K.: *See—*
  Castenmiller, Wilhelmus A. M.; Chesters, Allan K.; and Ernsting, Peter B., 4,874,626, Cl. 426-564.000.

Chesters, Thomas P. Graphic music system. 4,885,969, 12-12-89, Cl. 84-1.010.

Chesterton, S. Keith: *See—*
  Cobb, Richard G.; and Chesterton, S. Keith, 4,845,492, Cl. 340-825.490.

Chestnut, Benjamin F.; Lipp, Ellis P.; and Mark, Charles H. Control assembly having panel illumination means. 4,851,624, 7-25-89, Cl. 200-317.000.

Chestnut, Dennis H.: *See—*
  Boyd, David M.; Barwick, Daniel L.; Chestnut, Dennis H.; Jones, Timothy W.; Walburn, Douglas M.; and Wilt, Larry J., 4,813,147, Cl. 33-501.030.

Chestnut, H. Gary. Portable light support apparatus and method of erecting and collapsing same. 4,796,172, 1-3-89, Cl. 362-427.000.

Chesworth, Graham: *See—*
  Aspden, Garth J.; and Chesworth, Graham, 4,849,159, Cl. 376-404.000.

Chesworth, Peter; and Lowe, Martin, to Pilkington plc. Process of coating glass for reheating. 4,826,525, 5-2-89, Cl. 65-60.200.

ChetJack Limited: *See—*
  Di Bella, Antonio, 4,830,405, Cl. 283-70.000.

Cheung, Harry, to Union Carbide Corporation. Air separation process and apparatus for high argon recovery and moderate pressure nitrogen recovery. 4,822,395, 4-18-89, Cl. 62-22.000.

Cheung, Kin-Ling: *See—*
  Emarson, Jeffrey W.; and Cheung, Kin-Ling, 4,799,187, Cl. 364-900.000.

Cheung, Kwun-Wing W., to Boeing Company, The. Roll die assembly with misalignment damage protection. 4,811,590, 3-14-89, Cl. 72-462.000.

Cheung, Lawrence K.: *See—*
  Blanchet-Fincher, Graciela B.; Fincher, Curtis R., Jr.; Cheung, Lawrence K.; Dessauer, Rolf; and Looney, Catharine E., 4,818,660, Cl. 430-281.000.

Cheung, Lim H., to Standard Oil Company, The. Piezoelectric seismic vibration device and method. 4,850,449, 7-25-89, Cl. 181-101.000.

Cheung, Peter W.; Gauglitz, Karl F.; Mason, Lee R.; Prosser, Stephen J.; Smith, Robert E.; Wagner, Darrell O.; and Hunsaker, Scott W., to Physio-Control Corporation. Feedback-controlled method and apparatus for processing signals used in oximetry. 4,819,646, 4-11-89, Cl. 128-633.000.

Cheung, Philip S., to Schlumberger Technology Corporation. Method of acoustically detecting fractures in a borehole. 4,799,200, 1-17-89, Cl. 367-30.000.

Cheung, Robin W.; Ho, Bernard W. K.; Chen, Hsiang-Wen; and Chan, Hugo W. K., to Advanced Micro Devices, Inc. Low resistance metal contact for silicon devices. 4,796,081, 1-3-89, Cl. 357-71.000.

Cheung, Robin W., to Advanced Micro Devices, Inc. Method for measuring the size of vias. 4,871,962, 10-3-89, Cl. 324-65.00R.

Cheung, Yui: *See—*
  Chan, Lo K.; and Cheung, Yui, 4,826,069, Cl. 228-103.000.

Chevakin, Ivan V.; Radchenko, Petr A.; Pesin, Abram I.; and Zharov, Nikolai P. Apparatus for building-up bursting forces. 4,865,391, 9-12-89, Cl. 299-23.000.

Cheval, Benoit: *See—*
  Jungels, Erwin; Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,795,057, Cl. 220-401.000.
  Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,817,811, Cl. 220-85.0SP.
  Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,880,138, Cl. 220-320.000.

Chevalier, Andre; Morin, Pierre; and Chardin, Michel, to Institut Francais du Petrole. Assembly providing an electrical connection through a pipe formed of several elements. 4,806,115, 2-21-89, Cl. 439-194.000.

Chevalier, Bernard: *See—*
  Deslandes, Francis; Michel, Claude; Provost, Jackie; Raveau, Bernard; Sulpice, Andre; Tholence, Jean-Louis; and Chevalier, Bernard, 4,843,059, Cl. 505-1.000.

Chevalier, Christophe, to Thomson Semiconducteurs. Dynamic memory with single-cycle writing of a field of logic states. 4,845,673, 7-4-89, Cl. 365-149.000.

Chevalier, James L.: *See—*
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  Stubbe, James S.; Chevalier, James L.; and Pow, Edwin C., 4,879,801, Cl. 29-455.100.

Chevalier, Martin A., to BallistiVet, Inc. Injecting projectile dart. 4,863,428, 9-5-89, Cl. 604-130.000.

Chevalier, Michel: *See—*
  Briane, Alain; Chevalier, Michel; and Bouaziz, Joel, 4,806,744, Cl. 235-477.000.
  Briane, Alain; Chevalier, Michel; and Bouaziz, Joel, 4,864,114, Cl. 235-480.000.

Chevalier, Pierre A. Package provided with adhesive flaps. 4,823,954, 4-25-89, Cl. 206-424.000.

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  Milov, Vladimir N.; Loginov, Anatoly A.; Ostrenko, Nikolai S., deceased; Gorsky, Viktor I.; Demyanovich, Nikolai A.; Davletkhanov, Rifkhat B.; Klimets, Sergei N.; Dokshin, Gennady P.; Telyatnikov, Jury A.; Yarkin, Vladislav I.; Ostrenko, Ekaterina A., administrator; Chevalkova, Inna E., administrator; and Stebakova, Alla E., administrator, 4,817,700, Cl. 164-259.000.

Chevallet, Jacques, to Hospal Industrie. Method and apparatus for controlling the quantities of liquid circulating in the dialysis liquid circuit of an artificial kidney. 4,889,635, 12-26-89, Cl. 210-646.000.

Chevallier, Francois. Collecting bag for making quick medical analyses. 4,872,868, 10-10-89, Cl. 604-327.000.

Chevallier, Marc; and Froger, Guy, to Societe Anonyme: Societe Europeene de Propulsion. Metal static seal and assembly comprising such a seal. 4,877,272, 10-31-89, Cl. 285-111.000.

Chevallier, Rene; and Fouillet, Jean, to Alcatel Thomson Faisceaux Hertziens. Device for adjusting the polarization of an antenna and a method for the practical application of said device. 4,837,583, 6-6-89, Cl. 343-760.000.

Chevallier, Yvonick, to Rhone-Poulenc Specialites Chimiques. Silica with a high oil absorption capability and a controlled primary structure and process for the production thereof. 4,842,838, 6-27-89, Cl. 423-339.000.

Chevallier, Yvonick, to Rhone-Poulenc Specialites Chimiques. Silica with a high oil absorption capability and a controlled primary structure and process for the production thereof. 4,874,594, 10-17-89, Cl. 423-335.000.

Chevet, Bruno: *See—*
  Mousseaux, Daniel; Chevet, Bruno; and Grard, Emmanuel, 4,887,882, Cl. 350-96.200.

Chevillard, Paul F.: *See—*
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Chevion, Dan S.; Karnin, Ehud D.; and Walach, Eugeniusz, to International Business Machines Corp. Stereoscopic television system with predictive coding to minimize data bandwidth. 4,884,131, 11-28-89, Cl. 358-88.000.

Chevis, Robert W.; and Keetley, Reginald G., to Teledyne Industries, Inc. Centrifugal compressor diffuser system and method of making same. 4,854,126, 8-8-89, Cl. 60-726.000.

Chevrel, Roger A.; Sergent, Marcel M.; and Hirrien, Maryvonne F., to Centre National de la Recherche Scientifique. Hybrid superconductive wires or ribbons comprising a chevrel phase and another superconductive phase. 4,808,488, 2-28-89, Cl. 428-614.000.

Chevrier, Claude. Sprayer marker. 4,883,127, 11-28-89, Cl. 172-126.000.

Chevron, Inc.: *See—*

Nespor, Ronald R., 4,875,822, Cl. 414-563.000.

Chevron Research Company: *See—*

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Bacskai, Robert, 4,843,175, Cl. 564-409.000.

Bacskai, Robert, 4,857,612, Cl. 526-125.000.

Bae, J. H.; and Chou, S. I., 4,819,729, Cl. 166-305.100.

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Campbell, Curtis B., 4,877,416, Cl. 44-62.000.

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De, Bibhas R., 4,866,371, Cl. 324-58.50R.

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Devries, Louis; and Ryason, P. R., 4,814,534, Cl. 585-407.000.

Devries, Louis; and Ryason, P. R., 4,814,538, Cl. 585-500.000.

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Goodman, Jack E., 4,804,241, Cl. 350-96.190.

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Graebner, Peter; Sie, Swan A.; and Angehrn, Jorg A., 4,862,424, Cl. 367-33.000.

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Hamberg, Allan; Thomas, Elmer L.; Carruth, Henry T., Jr.; and Peterson, Mitchell F., 4,804,906, Cl. 324-65.00R.

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Lazo, Darryl E., 4,802,306, Cl. 49-31.000.

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Lopez, Jaime; and Pasek, Eugene A., 4,857,496, Cl. 502-220.000.

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Miller, Stephen J., 4,859,311, Cl. 208-89.000.

Miller, Stephen J., 4,859,312, Cl. 208-111.000.

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Wollenberg, Robert H., 4,803,002, Cl. 252-49.600.

Wollenberg, Robert H.; Plavac, Frank; and Erdman, Timothy R. 4,840,744, Cl. 252-51.50A.

Ziegler, Victor M., 4,813,483, Cl. 166-274.000.

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Zones, Stacey I., 4,834,958, Cl. 423-277.000.

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Chew, Anthony L.: *See—*

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Chew, David W.; Hagenlocher, Willi A.; Jih, Chentung R.; and Nambene, Ernie G., to International Business Machines Corporation. Apparatus for read/write head loading and unloading in a da recording disk file. 4,839,756, 6-13-89, Cl. 360-105.000.

Chew, Meng-Sang: *See—*

Patel, Ramanlal L.; Chew, Meng-Sang; Marsh, Richard A.; Rosenberg, Richard C.; and Thomas, Henry, Jr., 4,799,464, Cl. 123-90.410.

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Kleinberg, Robert L.; Clark, Brian; Chew, Weng C.; and Moran, David, 4,857,852, Cl. 324-339.000.

Marzetta, Thomas L.; and Chew, Weng C., 4,851,781, Cl. 324-371.000.

Cheyne, Neil G., to Fisher & Paykel Limited. Pulse width modulation control method and means. 4,841,207, 6-20-89, Cl. 388-811.000.

Cheysson, Francoise; and Migozzi, Jean B., to Thomson CSF. Wide field high optical efficiency display device. 4,830,464, 5-16-89, Cl. 350-174.000.

Cheysson, Francoise; and Migozzi, Jean-Blaise, to Thomson-CSF. Clear holographic helmet visor and process of producing same. 4,874,214, 10-17-89, Cl. 350-3.700.

Chhabra, Navjot, to Micron Technology, Inc. R-F electrode for removably providing electrical energy to an apparatus during R-F energy reactive treatment processes. 4,882,028, 11-21-89, Cl. 204-298.000.

Chi, Chao S., to Eastman Kodak Company. Predictive positioning offset compensation for high TPI disk systems. 4,802,033, 1-31-89, Cl. 360-77.040.

Chi, Gou-Chung; Sing, Shobha; Van Uitert, LeGrand G.; and Zydzik, George J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Devices and device fabrication with borosilicate glass. 4,819,039, 4-4-89, Cl. 357-17.000.

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Chi-Vit Corporation: *See—*

Lee, Paul R.; and Hingsbergen, Joseph P., 4,877,758, Cl. 501-24.000.

Chi, Yi-Chen. Bracket bearing axle device for bicycle. 4,810,040, 3-7-89, Cl. 301-105.00B.

Chi, Yi-Chen. Quick adjusting device for bicycle brake cable. 4,850,4 7-25-89, Cl. 188-24.190.

Chia, Chok J., to National Semiconductor Corporation. Plastic molded pin-grid-array power package. 4,868,349, 9-19-89, Cl. 174-52.400.

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Sinha, Uday K.; and Chia, E. Henry, 4,823,586, Cl. 72-257.000.

Chia, Han Lie; Popescu, Horia; and Boehmer, Gabrielle, to Solco Basel AG. Stable radiodiagnostic product. 4,857,299, 8-15-89, Cl. 424-1.100.

Chia, Han-Lie; Popescu, Horia; and Boehmer, Gabrielle, to Solco Basel AG. Process for the preparation of stable radiodiagnostic products. 4,873,074, 10-10-89, Cl. 424-1.100.

Chia-Hui, Lin. Twin-rate charging and discharging proportional type cursor position determining device. 4,837,716, 6-6-89, Cl. 364-559.000.

Chia, Jack T. Device for detecting urine in diapers. 4,796,014, 1-3-89, Cl. 340-573.000.

Chia, Weng-Kwen R.; and Anderson, George F., to Smith International, Inc. Mechanical face seal for rock bits. 4,822,057, 4-18-89, Cl. 277-84.000.

Chia, Weng-Kwen R.; and Anderson, George F., to Smith International, Inc. Mechanical face seal for rock bits. 4,824,123, 4-25-89, Cl. 277-84.000.

Chianelli, Russell R.; and Pecoraro, Theresa A., to Exxon Research and Engineering Company. Carbon-containing molybdenum and tungsten sulfide catalysts. 4,826,797, 5-2-89, Cl. 502-221.000.

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Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; and Pecoraro, Theresa, 4,820,677, Cl. 502-220.000.

Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,824,820, Cl. 502-219.000.

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Young, Archie R.; Ho, Teh C.; Jacobson, Allan J.; and Chianelli, Russell R., 4,801,570, Cl. 502-220.000.

Chianese, Richard B. G., to Westinghouse Electric Corp. Nonelectric temperature monitor. 4,802,772, 2-7-89, Cl. 374-205.000.

Chiang, Alan W., to Mobil Oil Corporation. Process for reducing draw resonance by heating film after extrusion. 4,859,379, 8-22-89, Cl. 264-25.000.

Chiang, Albert C., to Pitney Bowes Inc. Preparation of fluorescent thermal transfer ribbon. 4,816,344, 3-28-89, Cl. 428-483.000.

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Banks, Lori J.; Busk, Grant C., Jr.; Chiang, Bin; and Thulin, Robert, 4,873,098, Cl. 426-94.000.

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Chiang, C. Y. Method of fabricating a coil. 4,879,804, 11-14-89, Cl. 29-605.000.

Chiang, Chang-Long. Adjustable cutting-length controller and a cutting machine thereof. 4,805,499, 2-21-89, Cl. 83-71.000.

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Chiang, Ching, to Bionostics, Incorporated. Multiple control standard for blood analysis. 4,843,013, 6-27-89, Cl. 436-11.000.

Chiang, Chinn-Chann. Swivel glide bar rail table for a racquet stringing machine. 4,846,474, 7-11-89, Cl. 273-73.00A.

Chiang, Feng, to Allied-Signal Inc. Casting turbine components with integral airfoils. 4,813,470, 3-21-89, Cl. 164-122.100.

Chiang, George C.; and Toji, Masuo, to Du Pont de Nemours, E. I., and Company. Preparation of 2-amino triazines. 4,886,881, 12-12-89, Cl. 544-194.000.

Chiang, Hsi-Shih. Ball game device. 4,828,270, 5-9-89, Cl. 273-401.000.

Chiang, Lih W.: *See—*

Channing, Dean A.; and Chiang, Lih W., 4,837,566, Cl. 340-781.000.

Chiang, Long Y.; and Bloch, Aaron N., to Exxon Research and Engineering Company. Strongly magnetic organic solid state composition of matter. 4,803,006, 2-7-89, Cl. 252-62.510.

Chiang, Long Y., to Exxon Research and Engineering Company. Synthesis of novel highly intrinsic conducting organic polymers. 4,833,232, 5-23-89, Cl. 528-423.000.

Chiang, Long Y., to Exxon Research and Engineering Company. Quaternary salts of quinoline oligomer as metal surface protective materials (C-2212). 4,880,907, 11-14-89, Cl. 528-423.000.

Chiang, Robert L.; Perigard, Raymond G.; and Rabo, Jule A., to UOP. Catalytic cracking process. 4,855,036, 8-8-89, Cl. 208-120.000.

Chiang, Robert L.: *See—*

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Mohr, Donald H.; Wilson, Charles R.; Behan, Albert S.; Chiang, Robert L.; and Staniulis, Mark T., 4,830,732, Cl. 208-138.000.

Chiang, Shin-Wu: *See—*

Arnold, Allen J.; Bariether, Michael E.; Chiang, Shin-Wu; Dalal, Hormazdyar M.; Miller, Robert A.; Montegari, Frank A.; Oberschmidt, James M.; and Shen, David T., 4,831,494, Cl. 361-306.000.

Chiang, Tien-Hon; and Thatcher, Donald N., to Aerojet-General Corporation. Forming apparatus employing a shape memory alloy die. 4,797,085, 1-10-89, Cl. 425-405.200.

Chiang, Weilong L.; Fjare, Douglas E.; and Nowicki, Neal R., to Amoco Corporation. Polyimide polymers and copolymers using 3,5-diaminobenzotrifluoride. 4,876,329, 10-24-89, Cl. 528-353.000.

Chiang, William G.: *See—*

Reimschuessel, Herbert K.; Chiang, William G.; and Tichenor, George J. W., 4,888,396, Cl. 525-379.000.

Chiang, Yuan C.: *See—*

Lambert, Jack L.; Chiang, Yuan C.; and Paukstelis, Joseph V., 4,859,607, Cl. 426-135.000.

Chiang, Yuan-Ching P.: *See—*

Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Graham, Donald W.; Heck, James V.; and Yang, Shu S., 4,806,564, Cl. 514-449.000.

Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Girotra, Narindar M.; Graham, Donald W.; and Yang, Shu S., 4,847,271, Cl. 514-336.000.

Chiang, Yulin: *See—*

Glamkowski, Edward J.; Chiang, Yulin; and Ehrgott, Frederick J., Jr., 4,840,947, Cl. 514-219.000.

Vyas, Dolatrai M.; Chiang, Yulin; and Doyle, Terrence W., 4,803,212, Cl. 514-338.000.

Vyas, Dolatrai M.; Chiang, Yulin; and Doyle, Terrence W., 4,866,180, Cl. 546-271.000.

Chiantella, Michael J., to Michael J. Chiantella. Rotary spindle former. 4,848,422, 7-18-89, Cl. 142-37.000.

Chiao, Cherry C., to Dow Chemical Company, The. Surface modified gas separation membranes. 4,828,585, 5-9-89, Cl. 55-16.000.

Chiao, Stephen S.; and Lee, Wung K., to Elite Semiconductor & Systems Int'l, Inc. Gate controllable lightly doped drain mosfet devices. 4,868,617, 9-19-89, Cl. 357-23.300.

Chiao, Stephen S.: *See—*

Lee, Wung K.; and Chiao, Stephen S., 4,888,734, Cl. 365-185.000.

Lee, Wung K.; and Chiao, Stephen S., 4,888,735, Cl. 365-185.000.

Chiao, Wen B.; Iovine, Carmine P.; and Gold, Samuel, to National Starch and Chemical Corporation. Electroconductive coatings. 4,888,250, 12-19-89, Cl. 428-514.000.

Chiappafreddo, Mario: *See—*

Crispoldi, Antonio; Moriconi, Andrea; and Chiappafreddo, Mario, 4,874,595, Cl. 423-397.000.

Chiapparelli, Marco; and Cavicchia, Ugo, to Biomedica Foscama Industria Chimico-Farmaceutica S.p.A. Use of fructose-1,6-diphosphate in the treatment of acute alcoholic intoxication and chronic ethylism, and related pharmaceutical compositions. 4,870,057, 9-26-89, Cl. 514-23.000.

Chiappe, Wayne T.; and Gasquoine, Randy W., to Sardee Corporation. Workload regulator for automated production. 4,808,057, 2-28-89, Cl. 414-267.000.

Chiappini, Giuseppe: *See—*

Vittone, Andrea; and Chiappini, Giuseppe, 4,861,639, Cl. 428-105.000.

Chiarella, Michele A. Anatomical multilayer bicycle seat and method for making same. 4,815,361, 3-28-89, Cl. 297-219.000.

Chiarella, Michele A. Lightweight molded protective helmet. 4,845,786, 7-11-89, Cl. 2-412.000.

Chiarelli, Gerard: *See—*

Berte, Michel; Francillon, Eric; and Chiarelli, Gerard, 4,851,186, Cl. 376-364.000.

Chiarino, Dario; Grancini, Gian C.; Frigeni, Viviana; and Carenzi, Angelo, to Zambon Group S.p.A. Benzopyran[4,3-d]-thiazole-derivatives with anti-allergic, anti-anaphylactic and anti-arithritic activity and compositions containing them. 4,829,077, 5-9-89, Cl. 514-366.000.

Chiarino, Dario; Della Bella, Davide; and Ferrari, Vittorio, to Zambon S.p.A. Mono(2-ammonium-2-hydroxymethyl-1,3 propanediol)(2R-cis)-3-methyloxiranyl)phosphonate, its preparation and pharmaceutical compositions containing it. 4,863,908, 9-5-89, Cl. 514-76.000.

Chiarino, Dario; Della Bella, Davide; Jommi, Giancarlo; Badone, Domenico; Pagliarin, Roberto; and Tavecchia, Paolo. Process for the preparaiton of alkyl fluorides. 4,879,068, 11-7-89, Cl. 260-397.000.

Chiarino, Dario: *See—*

Della Bella, Davide; Carenzi, Angelo; Chiarino, Dario; and Pellacini, Franco, 4,840,936, Cl. 514-18.000.

Chiarion, Giovanni, to Tecnomasio Italiano Brown Boveri S.p.A. Power circuit for switching the number of poles on the rotor of synchronous machines by using rotative diodes. 4,866,364, 9-12-89, Cl. 318-704.000.

Chiarottino, Wolmer: *See—*

Appiano, Silvano; Chiarottino, Wolmer; Pozzi, Mauro; and Reali, Aldo, 4,800,423, Cl. 358-21.00R.

Chiarulli, Donald M.; Melhem, Rami; and Levitan, Steven P., to University of Pittsburgh. Optical selector switch. 4,883,334, 11-28-89, Cl. 350-96.130.

Chiavetta, Sebastiano R.; and De Guglielmi, Giorgio, to Applause, Inc.; and Jockline, S R L. Rocking toy. 4,874,163, 10-17-89, Cl. 272-53.200.

Chiba, Akira: *See—*

Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, 4,851,508, Cl. 528-272.000.

Chiba, Hiroshi: *See—*

Takahashi, Motoshi; Henmi, Kazuya; Chiba, Hiroshi; and Maegaki, Yasunobu, 4,807,145, Cl. 364-474.170.

Chiba, Jiro: *See—*

Kawakami, Keiichi; Takabatake, Mitsuo; and Chiba, Jiro, 4,883,705, Cl. 428-209.000.

Chiba, Katsutoshi: *See—*

Mizobuchi, Shotaro; Kanamori, Toshiya; Sasaki, Katsumi; Chiba, Katsutoshi; and Kimura, Yoshikazu, 4,820,949, Cl. 310-90.000.

Chiba, Katuaki: *See—*

Kato, Takeshi; Mizuishi, Kenichi; and Chiba, Katuaki, 4,812,002, Cl. 350-96.180.

Mizuishi, Kenichi; Tokuda, Masahide; and Chiba, Katuaki, 4,819,857, Cl. 228-121.000.

Chiba, Kazuhiro; and Bamba, Noriko, to Mitsubishi Denki Kabushiki Kaisha. Device for converting video image signals to printing data signals. 4,887,150, 12-12-89, Cl. 358-80.000.

Chiba, Kazuo; Ohishi, Yoshiaki; Migita, Jituo; Mochizuki, Hajime; and Kobayashi, Takao, to Furukawa Electric Co., Ltd., The. Composite magnetic and optical head. 4,883,950, 11-28-89, Cl. 235-440.000.

Chiba, Kazuo: *See—*

Obara, Yuichi; Fuse, Kenichi; Onuma, Yoshihiro; Toya, Takao; and Chiba, Kazuo, 4,836,636, Cl. 350-96.200.

Uno, Takaaki; Yamahata, Hiroshi; and Chiba, Kazuo, 4,889,328, Cl. 267-293.000.

Chiba, Kiyosi: *See—*

Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, 4,876,983, Cl. 118-722.000.

Chiba, Kyoko: *See—*

Takao, Shoji; Nakashima, Hiroshi; Watanabe, Makoto; Saitoh, Makoto; Chiba, Kyoko; and Suzuki, Kazuo, 4,882,180, Cl. 426-46.000.

Chiba, Mikio, to Canadian Patents and Development Limited/Societe Canadienne Des Brevets et D'Exploitation Limitee. Substituted benzimidazole fungicide. 4,857,541, 8-15-89, Cl. 514-388.000.

Chiba, Mitsuo: *See—*

Bannai, Tatsushi; Awamoto, Shigeru; Chiba, Mitsuo; and Sasaki, Seishi, 4,887,169, Cl. 358-335.000.

Sasaki, Seishi; Chiba, Mitsuo; Bannai, Tatsushi; and Awamoto, Shigeru, 4,807,056, Cl. 360-27.000.

Chiba, Moichi: *See—*

Shiratani, Takaaki; Suzuki, Hiroshi; and Chiba, Moichi, 4,830,518, Cl. 384-448.000.

Chiba, Naoki: *See—*
  Mizutani, Minoru; Hayashi, Kuniharu; Kikuchi, Hiroshi; and Chiba, Naoki, 4,823,038, Cl. 310-257.000.
Chiba, Seishi: *See—*
  Okutomi, Tsutomu; Chiba, Seishi; Okawa, Mikio; Sekiguchi, Tadaaki; Endo, Hiroshi; and Yamashita, Tsutomu, 4,830,821, Cl. 419-25.000.
Chiba, Shigeru. Ultrasonic cell-destroyer. 4,874,137, 10-17-89, Cl. 241-301.000.
Chiba, Shigesaburo: *See—*
  Muto, Yoshiyuki; Sakakibara, Kouzou; Iwata, Yasuo; and Chiba, Shigesaburo, 4,848,691, Cl. 242-58.100.
Chiba, Shunichi; and Inoue, Satoru, to Ricoh Company, Ltd. Electrophotographic method uses toner of special size relative to exposure light beam. 4,826,747, 5-2-89, Cl. 430-54.000.
Chiba, Synu-ichi: *See—*
  Futatsuka, Rensei; Chiba, Synu-ichi; and Sakakibara, Tadao, 4,877,577, Cl. 420-473.000.
Chiba, Tadao; Funabiki, Masaki; and Watanabe, Tsunao, to Engelhard Corporation. Catalyst for purifying motor vehicle exhaust gases and process for producing the catalyst. 4,806,519, 2-21-89, Cl. 502-252.000.
Chiba, Takashi, to Fujitsu Limited. Memory control system using a single access request for doubleword data transfers from both odd and even memory banks. 4,866,603, 9-12-89, Cl. 364-200.000.
Chiba, Takashi: *See—*
  Igusa, Masaru; and Chiba, Takashi, 4,871,901, Cl. 219-400.000.
Chiba, Terunobu: *See—*
  Kobayashi, Shigetoshi; and Chiba, Terunobu, 4,829,595, Cl. 455-346.000.
Chiba, Tohru: *See—*
  Kokubo, Hiroyasu; Chiba, Tohru; and Sekigawa, Fujio, 4,837,033, Cl. 424-494.000.
  Maruyama, Kazumasa; Chiba, Tohru; and Takamizawa, Minoru, 4,843,517, Cl. 361-323.000.
  Maruyama, Kazumasa; Kaneko, Tatsushi; and Chiba, Tohru, 4,882,517, Cl. 313-502.000.
Chiba, Toshiyuki: *See—*
  Nakai, Takeshi; and Chiba, Toshiyuki, 4,845,2.0, Cl. 540-200.000.
  Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyosha; and Chiba, Toshiyuki, 4,822,888, Cl. 548-195.000.
  Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyoshi; and Chiba, Toshiyuki, 4,841,062, Cl. 548-194.000.
Chiba Vision Inc.: *See—*
  Danker, Fred J.; and Hayes, Thomas P., 4,826,000, Cl. 206-5.100.
Chiba, Yoshio; Aihara, Kenichi; and Sudo, Fumihiko, to Sony Corporation. Solid state image pickup which has detecting elements and overflow drains and gates for the overflow drains as well as a number of first vertical shift registers and gates and a second plurality of vertical shift registers. 4,809,073, 2-28-89, Cl. 358-213.130.
Chiba, Yuji; Ando, Kenji; Sugata, Masao; Sugata, Hiroyuki; Kimura, Toshiaki; and Osabe, Kuniji, to Canon Kabushiki Kaisha. Apparatus for controlling fine particle flow. 4,875,810, 10-24-89, Cl. 406-14.000.
Chibnik, Sheldon, to Mobil Oil Corporation. Phenolic-containing mannich base reaction products and fuel compositions containing same. 4,806,130, 2-21-89, Cl. 44-63.000.
Chibnik, Sheldon, to Mobil Oil Corporation. Phenolic-containing Mannich base reaction products and lubricant compositions containing same. 4,859,355, 8-22-89, Cl. 252-47.500.
Chibnik, Sheldon: *See—*
  Axelrod, Joan C.; and Chibnik, Sheldon, 4,834,776, Cl. 44-63.000.
Chicago Lock Company: *See—*
  Steinbach, Robert, 4,821,539, Cl. 70-68.000.
  Steinbach, Robert, 4,835,998, Cl. 70-208.000.
Chicago Metallic Corporation: *See—*
  Dunn, James J.; Jahn, Martin D.; and Vukmanic, Ronald W., 4,852,325, Cl. 52-729.000.
  Dunn, James J., 4,858,408, Cl. 52-489.000.
  Dunn, James J., 4,866,900, Cl. 52-488.000.
Chicago Pneumatic Tool Company: *See—*
  Wittek, Winfried D., 4,852,261, Cl. 30-347.000.
Chicago Rawhide Manufacturing Co.: *See—*
  Christiansen, Keith W., 4,824,357, Cl. 425-417.000.
  Christiansen, Keith W.; and Kellner, James L., 4,851,176, Cl. 264-268.000.
Chicharro, Mario M., to Montaje Y. Construcciones Del Hierro, S.A. High temperature dyeing apparatus. 4,881,384, 11-21-89, Cl. 68-27.000.
Chichibu Cement Co., Ltd.: *See—*
  Kanagawa, Yutaka; Ishizaki, Kanjiro; and Ozawa, Mitsuzo, 4,851,155, Cl. 252-628.000.
  Suzuki, Osamu; Ishizaki, Kanjiro; Asami, Akira; and Kushida, Shizuko, 4,826,035, Cl. 220-203.000.
Chick, Lawrence A.: *See—*
  Pederson, Larry R.; Chick, Lawrence A.; and Exarhos, Gregory J., 4,880,772, Cl. 505-1.000.
Chick, Orest N.: *See—*
  Midgley, Charles A.; and Chick, Orest N., 4,803,240, Cl. 524-504.000.
Chicken, Leslie C.; and Houghton, Ian, to STC PLC. Optical fibre cable. 4,830,459, 5-16-89, Cl. 350-96.230.
Chickering, Robert; and Barabino, William A., to Triad Direct Incorporated. Self-contained liquid dispensing device. 4,875,602, 10-24-89, Cl. 222-187.000.
Chickering, Ronald W.; Miller, Richard S.; and Moss, H. Donald, to Westinghouse Electric Corp. Magnetic method and apparatus for measuring and locating wear of control rods in nuclear reactors. 4,862,079, 8-29-89, Cl. 324-227.000.
Chickneas, Arthur A.; and Talmadge, Paul C., to Pitney Bowes Inc. Secured printer for a value printing system. 4,813,912, 3-21-89, Cl. 364-464.020.
Chicopee: *See—*
  Aledo, Eduardo C. A.; and Pommez, Philippe, 4,850,988, Cl. 604-385.100.
  Amaral, Everson; and Das Neves, Rosana R., 4,850,992, Cl. 604-389.000.
  Buyofsky, Conrad C.; and Kennette, John W., 4,810,568, Cl. 428-284.000.
  Jackson, Lauren, 4,872,870, Cl. 604-366.000.
  Morris, Ronald R., 4,820,294, Cl. 604-383.000.
  Ness, Irving S., 4,842,594, Cl. 604-368.000.
  Ness, Irving S., 4,880,419, Cl. 604-368.000.
Chicoye, Etzer: *See—*
  Lindberg, Chris E.; Kot, Edward J.; and Chicoye, Etzer, 4,840,802, Cl. 426-16.000.
Chida, Katsunori; Tomita, Sigeo; and Koga, Kenji, to Hitachi, Ltd. Direct parallel connection circuit of self-turn-off semiconductor elements. 4,831,288, 5-16-89, Cl. 307-633.000.
Chida, Katsunori: *See—*
  Harada, Eiji; Matsuzaki, Hitoshi; Tomita, Sigeo; and Chida, Ka sunori, 4,884,126, Cl. 357-81.000.
Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, Hisao; Watanabe, Minoru; and Yoshioka, Naoki, to Nippon Telegraph & Telephone Public Corporation; and Sumitomo Electric Industries Ltd. Process for the production of optical fiber preforms. 4,797,14 1-10-89, Cl. 65-3.120.
Chida, Kazunori: *See—*
  Yokohama, Itaru; Chida, Kazunori; Noda, Juichi; Hanafusa, Hiroaki; Takeuchi, Yoshiaki; and Tateda, Mitsuhiro, 4,869,570, Cl. 350-96.150.
Chida, Kousaku: *See—*
  Momata, Kazuhiro; Chida, Kousaku; Takeura, Tooru; and Tsukada, Yukihisa, 4,860,140, Cl. 360-127.000.
  Tsuchiya, Hiroshi; Karakama, Yoshiakira; Nagaike, Sadanori; Nakajima, Hiroyasu; and Chida, Kousaku, 4,796,126, Cl. 360-103.000.
Chida, Noritaka: *See—*
  Yoshioka, Takeo; Chida, Noritaka; Watanabe, Azuma; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,812,563, Cl. 540-302.000.
Chida, Shouhei; Yamaoto, Naoki; Miyazaki, Yasuo; and Sato, Yasunori, to Nittoc Constructions Co., Ltd.; Osaka Bousui Constructions Co. Ltd.; Kashiyama Kogyo Co. Ltd.; and Chida, Shouhei. Liquid chemical grouting apparatus and valve switching arrangement in conduit system for supplying liquid chemicals to the apparatus. 4,859,119, 8-22-89, Cl. 405-269.000.
Chida, Yukio; Nishimura, Tetsunhiko; and Oguri, Yasuo, to Mitsubishi Chemical Industries Limited. Piezoelectric bending actuator. 4,812,698, 3-14-89, Cl. 310-330.000.
Chida, Yukio: *See—*
  Nishimura, Tetsuhiko; Basu, Swapan K.; Chida, Yukio; Oguri, Yasuo; and Inoue, Shoko, 4,882,078, Cl. 252-629.000.
Chidlaw, Robert H.: *See—*
  Hayden, John A.; Chidlaw, Robert H.; and Muha, Ralph J., 4,833,963, Cl. 84-1.220.
Chielens, Alain, to Dujardin Montbard Somenor Z. I. Lille-Seclin. Device for supporting and cooling a continuous casting emerging from a mold. 4,815,519, 3-28-89, Cl. 164-441.000.
Chielens, Alain: *See—*
  Benoit, Philippe; Chielens, Alain; Pinoncely, Andre; and Osselin, Florence, 4,817,008, Cl. 364-477.000.
Chieli, Davide, to SGS-Thomson Microelectronics S.r.l. Linear load current measurement circuit. 4,827,207, 5-2-89, Cl. 323-316.000.
Chien, Darin. Steal and burglar preventive purse. 4,885,570, 12-5-89, Cl. 340-571.000.
Chien, Du-Shieng: *See—*
  Schoenwald, Ronald D.; and Chien, Du-Shieng, 4,866,083, Cl. 514-374.000.
Chien, Fong K. Buoy structure for detecting fishing grounds. 4,890,334, 12-26-89, Cl. 455-89.000.
Chien, Kuei-Ru; Hui, Kin-Kwok; Stovall, H. Dean; Wang, John H. S. and Lamm, Albert J., to Hughes Aircraft Company. Crystal modulated laser with improved resonator. 4,885,752, 12-5-89, Cl. 372-33.000.
Chien Luen Industries Co., Ltd., Inc.: *See—*
  Bucher, John C., Sr.; and Wu, Shih T., 4,850,799, Cl. 416-134.00R.
Chien, Min-The: *See—*
  Chieng Ming, Kou, 4,850,060, Cl. 4-237.000.
Chien, Sze-Foo, to Texaco Inc. Apparatus and method for measuring the quality of steam. 4,849,988, 7-18-89, Cl. 374-42.000.
Chien, Sze-Foo: *See—*
  Redus, Clifford L.; Chien, Sze-Foo; and Sigwardt, Peter L., 4,836,032, Cl. 73-861.040.
Chien, Ta-Wei: *See—*
  Michael, Martin S.; Kanhere, Prashant A.; Burnley, Richard P.; Iacobelli, Franco; and Chien, Ta-Wei, 4,823,312, Cl. 364-900.000.
Chien, Te-Yen: *See—*
  Chien, Yie W.; Chien, Te-Yen; and Huang, Yih-Chain, 4,818,540, Cl. 424-448.000.
  Chien, Yie W.; Lee, Chia-Shun; Valia, Kirti H.; and Chien, Te-Yen, 4,883,669, Cl. 424-448.000.
Chien, Wan S.: *See—*
  Tseng, Su; and Chien, Wan S., 4,881,154, Cl. 362-102.000.

Chien, Wei-Shyan: *See—*
  Wu, Chia-Hsien; Chuang, Show-Zone; Chien, Wei-Shyan; and Feng, Teng-Chih, 4,864,726, Cl. 30-90.100.
Chien, Yie W.; Chiang, Chin-Chih; and Tojo, Kabuji, to Rutgers, The State University of New Jersey. Transdermal absorption dosage unit for narcotic analgesics and antagonists and process for administration. 4,806,341, 2-21-89, Cl. 424-448.000.
Chien, Yie W.; Chien, Te-Yen; and Huang, Yih-Chain, to Rutgers, The State University of New Jersey. Transdermal fertility control system and process. 4,818,540, 4-4-89, Cl. 424-448.000.
Chien, Yie W.; Lee, Chia-Shun; Valia, Kirti H.; and Chien, Te-Yen, to Rutgers, The State University of New Jersey. Transdermal absorption dosage unit for estradiol and other estrogenic steroids and process for administration. 4,883,669, 11-28-89, Cl. 424-448.000.
Chieng Ming, Kou, to Chien, Min-The. Molding process for automatic spraying hot lavatory seat and device produced thereby. 4,850,060, 7-25-89, Cl. 4-237.000.
Chiesa, David. Nailing device. 4,838,471, 6-13-89, Cl. 227-142.000.
Chiesa, John A.: *See—*
  Galani, Zvi; Skinner, Malcolm E.; and Chiesa, John A., 4,882,549, Cl. 331-14.000.
Chiesi Farmaceutici S.p.A.: *See—*
  Chiesi, Paolo; and Pavesi, Luciana, 4,824,841, Cl. 514-226.500.
  Chiesi, Paolo, 4,826,875, Cl. 514-534.000.
  Quadro, Giuseppe, 4,839,366, Cl. 514-312.000.
Chiesi, Paolo; and Pavesi, Luciana, to Chiesi Farmaceutici S.p.A. Aqueous pharmaceutical formulations of piroxicam monohydrate. 4,824,841, 4-25-89, Cl. 514-226.500.
Chiesi, Paolo, to Chiesi Farmaceutici S.p.A. Pharmaceutical compositions containing levodopa methyl ester, preparation and therapeutic applications thereof. 4,826,875, 5-2-89, Cl. 514-534.000.
Chifflet, Raymond: *See—*
  Allio, Roland; Chifflet, Raymond; and Jeantin, Phillipe, 4,802,665, Cl. 271-225.000.
  Delbe, Emmanuel; Gillet, Francois; Serot, Etienne; Chifflet, Raymond; Allio, Roland; Jeantin, Philippe; Del Fabro, Gilbert; and Forella, Guy, 4,877,229, Cl. 271-2.000.
Chigami, Makoto; Ogihara, Sumio; Hoaki, Hiroshi; Kondo, Tomonobu; and Okamura, Masao, to Kabushiki Kaisha Frontier; Nippon Unicar Kabushiki Kaisha; and Nittetsu Kougyo Kabushiki Kaisha. Plastic film packaging material. 4,840,823, 6-20-89, Cl. 428-35.500.
Chigasaki, Mitsuo: *See—*
  Ohno, Toshiyuki; Tamahashi, Kunihiro; and Chigasaki, Mitsuo, 4,804,606, Cl. 430-57.000.
Chigira, Tatsuo: *See—*
  Sumi, Akiyasu; Yoshida, Shigeru; Kurosawa, Akira; Takahashi, Tohru; Kondoh, Yoshitaka; and Chigira, Tatsuo, 4,806,813, Cl. 310-254.000.
Chignon, Jean-Claude: *See—*
  Chignon, Jean-Jacques P.; and Chignon, Jean-Claude, 4,838,251, Cl. 128-80.00C.
Chignon, Jean-Jacques P.; and Chignon, Jean-Claude. Dynamic knee brace. 4,838,251, 6-13-89, Cl. 128-80.00C.
Chigodo, Yoshikazu: *See—*
  Karaki, Shintaro; Chigodo, Yoshikazu; Okane, Masaaki; and Tanaka, Yukio, 4,795,496, Cl. 134-8.000.
Chigusa, Takehiko; Hashimoto, Hitoshi; Kawamura, Tsunenori; Fukushima, Kazunori; Kurokawa, Kiyoumi; and Miyazaki, Masakatsu, to Yokogawa Electric Corporation; and Ensuiko Sugar Refining Co., Ltd. Method for the program control of a pan. 4,848,321, 7-18-89, Cl. 127-61.000.
Chih, Liu P.; and Hwang, Chi Y. Convertible animal toy. 4,840,242, 6-20-89, Cl. 180-8.100.
Chih, Liu P.: *See—*
  Hwang, Chi Y.; and Chih, Liu P., 4,811,682, Cl. 114-345.000.
  Hwang, Chi Yung; and Chih, Liu P., 4,838,825, Cl. 446-136.000.
Chihara, Carol: *See—*
  Chin, Victor H.; Chihara, Carol; and Sha, Allen S., 4,823,347, Cl. 371-49.000.
Chihara, Hideaki: *See—*
  Tokizane, Soichi; and Chihara, Hideaki, 4,811,217, Cl. 364-300.000.
Chihara, Satoshi: *See—*
  Harada, Hidetoshi; Chihara, Satoshi; Suginaka, Yutaka; Suido, Shigeko; and Kobayashi, Toshitaka, 4,840,814, Cl. 426-580.000.
Chihiro, Masatoshi: *See—*
  Uchida, Minoru; Morita, Seiji; Chihiro, Masatoshi; and Nakagawa, Kazuyuki, 4,880,815, Cl. 5.4-303.000.
Chiji, Masahiro: *See—*
  Murata, Hiroyuki; Chiji, Masahiro; Tanaka, Takeshi; Kuwahara, Tadao; Kiuchi, Harunaga; and Cho, Masamichi, 4,834,298, Cl. 241-5.000.
  Murata, Hiroyuki; Tanaka, Takeshi; Hino, Chouji; Kiuchi, Harunaga; and Chiji, Masahiro, 4,871,119, Cl. 241-189.00R.
Chijiiwa, Masaru, to Pioneer Electronic Corporation. Signal recording conditioning device. 4,831,464, 5-16-89, Cl. 360-32.000.
Chikale, Sudhakar V.: *See—*
  Ghosh, Pushpito K.; Bhattacharyya, Dhirendra N.; Iyer, Rama S.; Chikale, Sudhakar V.; Chattopadhyay, Arun K.; Paul, Sasanka S.; and Rao, Vattipalli M., 4,808,251, Cl. 149-2.000.
Chikamasa, Hiroshi; Takagi, Akira; and Sakaguchi, Masaaki, to Fuji Photo Film Co., Ltd. Device for winding magnetic tape using magnetic alignment. 4,796,824, 1-10-89, Cl. 242-76.000.
Chikamasa, Hiroshi; Utsui, Masaaki; and Nojiri, Yasutami, to Fuji Photo Film Co., Ltd. Method of making magnetic recording medium. 4,840,818, 6-20-89, Cl. 427-130.000.
Chikamasa, Hiroshi: *See—*
  Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, 4,844,946, Cl. 427-48.000.
  Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, 4,874,633, Cl. 427-48.000.
  Sakaguchi, Masaaki; Usui, Mitsunobu; Chikamasa, Hiroshi; Wakatsuki, Keisuke; and Kiuchi, Seiji, 4,844,370, Cl. 242-67.10R.
  Sugiyama, Tuyoshi; Takeda, Hideo; Sato, Tsunehiko, and Chikamasa, Hiroshi, 4,887,623, Cl. 134-64.00R.
Chikamori, Sunao: *See—*
  Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, 4,846,496, Cl. 280-689.000.
Chikamori, Yoshihiro; Nakamura, Hiromi; Ariyoshi, Ayako; and Sugimoto, Norie. Articles of clothing for use in clean rooms. 4,829,683, 5-16-89, Cl. 36-51.000.
Chikamoto, Kouichi: *See—*
  Ando, Masahiro; Morita, Osamu; Kashimura, Kazunori; Sasaki, Takahide; Chikamoto, Kouichi; Takahasi, Koji; and Nagasawa, Kenichi, 4,868,924, Cl. 360-96.500.
Chikamune, Kaoru; Tokuda, Manabu; Inoue, Kazuo; Utsunomiya, Kyoshi; and Hitofude, Yoshii, to Nippon Seiro Company, Limited. Antioxidant wax for rubber. 4,877,456, 10-31-89, Cl. 106-270.000.
Chikano, Hisao; and Yokota, Takashi, to Ricoh Company, Ltd. Paper feeding arrangement. 4,801,981, 1-31-89, Cl. 355-3.0SH.
Chikano, Takahide: *See—*
  Takashio, Masachika; Chikano, Takahide; and Kamimura, Minoru, 4,882,280, Cl. 435-228.000.
Chikaoka, Yasuji: *See—*
  Sakaida, Atsuo; Chikaoka, Yasuji; Imoto, Yasuo; Iriguchi, Akira, and Ikezaki, Yoshiyuki, 4,874,978, Cl. 310-328.000.
Chikaraishi, Toshio: *See—*
  Ishiharada, Minoru; Chikaraishi, Toshio; Kaneda, Hiroshi, and Tomita, Seisuke, 4,830,461, Cl. 350-96.290.
Chikarashi, Shigeru, to Nichii Co., Ltd. Apparatus for manufacturing a foodstuff suitable for soybean milk production. 4,817,516, 4-4-89, Cl. 99-483.000.
Chikashige, Tadaaki, to Nakamichi Corporation. Data decoding system. 4,876,615, 10-24-89, Cl. 360-43.000.
Chikatsu, Yoshishige: *See—*
  Oshima, Noboru; Chikatsu, Yoshishige; Fukuhori, Toshiaki; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,812,525, Cl. 525-232.000.
Chikauchi, Masami, to Casio Computer Co., Ltd. Image information recognition apparatus. 4,823,395, 4-18-89, Cl. 382-48.000.
Chikazawa, Bunichiro: *See—*
  Ichida, Kozaburo; Yamaguchi, Susumu; and Chikazawa, Bunichiro, 4,882,923, Cl. 72-249.000.
  Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, 4,872,245, Cl. 29-81.00A.
Chikhani, Rene J.; and Weber, Frank, to Ampex Corporation. Method and system for recording and reproducing radar signal information. 4,839,657, 6-13-89, Cl. 342-190.000.
Chiku, Etsuko: *See—*
  Kai, Masanobu; and Chiku, Etsuko, 4,889,711, Cl. 424-47.000.
Chiku, Kazuyoshi: *See—*
  Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; Matsuzawa, Kunihiko; and Kanekura, Kazunori, 4,873,541, Cl. 346-160.100.
  Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,887,101, Cl. 346-134.000.
  Hoshino, Osamu; and Chiku, Kazuyoshi, 4,803,515, Cl. 355-4.000.
  Murayama, Yasushi; Kanekura, Kazunori; Aoki, Tomohiro; Chiku, Kazuyoshi; Hirose, Yoshihiko; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,847,642, Cl. 346-157.000.
  Uchida, Takashi; Hoshino, Osamu; Chiku, Kazuyoshi; Murayama, Yasushi; and Matsuzawa, Kunihiko, 4,816,844, Cl. 346-160.000.
Chiku, Shinji: *See—*
  Kawamura, Takanobu; Oohashi, Tamihiro; and Chiku, Shinji, 4,843,125, Cl. 525-98.000.
Chikuma, Isamu; Shimada, Satoru; and Eda, Hiroshi, to Nippon Seiko Kabushiki Kaisha. Four-wheel steering apparatus of a vehicle. 4,874,183, 10-17-89, Cl. 280-91.000.
Chikuma, Isamu: *See—*
  Miyazaki, Hiroya; Chikuma, Isamu; and Miyaura, Yasuhiko, 4,834,201, Cl. 180-79.100.
Chikuma Kouki Co., Ltd.: *See—*
  Mori, Yasumasa, 4,854,712, Cl. 366-129.000.
Chikuma, Tom K.; Jones, Rick O.; Nelson, William H.; and Price, Walter F., Jr., to International Business Machines Corporation. Scanning carriage system useful for optical scanners. 4,846,589, 7-11-89, Cl. 384-50.000.
Chikura, Takashi: *See—*
  Nishizawa, Shunichi; Tsubota, Toshio; and Chikura, Takashi, 4,803,895, Cl. 74-603.000.
Chikusa, Toshikazu: *See—*
  Kondo, Yozo; Mori, Mitsuhiro; Sato, Morihiko; Chikusa, Toshikazu; and Ito, Hitoshi, 4,804,726, Cl. 526-124.000.
Chikutei, Satoru: *See—*
  Shinomiya, Genichi; and Chikutei, Satoru, 4,829,188, Cl. 250-483.100.
Chilardi, Jean-Pierre R. F.: *See—*
  Chauvin, Jean-Michel; and Chilardi, Jean-Pierre R. F., 4,844,514, Cl. 285-47.000.

- Chilcote, Keith C.; and Mahlowski, Robert J., to Autra-Bike Co., Inc. Variable diameter sprocket assembly. 4,850,939, 7-25-89, Cl. 474-49.000.
- Child, Jonathan E., to Mobil Oil Corporation. NO_x control during multistage combustion. 4,812,430, 3-14-89, Cl. 502-42.000.
- Child, Jonathan E., to Mobil Oil Corporation. NOx control in fluidized bed combustion. 4,812,431, 3-14-89, Cl. 502-42.000.
- Child, Jonathan E.; and Sapre, Ajit V., to Mobil Oil Corporation. Method for reducing the effects of metals on FCC catalysts. 4,835,128, 5-30-89, Cl. 502-21.000.
- Child, Ralph G.; Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, to American Cyanamid Company. (Gem-heterocyclodimethanamine-N,N')platinum complexes. 4,880,790, 11-14-89, Cl. 514-184.000.
- Child, Ralph G.: *See—*
  - Bitha, Panayota; Child, Ralph G.; Hlavka, Joseph J.; and Lin, Yang-I, 4,866,092, Cl. 514-492.000.
  - Sutherland, Leslie H.; Sloboda, Adolph E.; Child, Ralph G.; Poletto, John F.; and Powell, Dennis W., 4,847,381, Cl. 546-156.000.
- Child, Robin E., to Concentric Pumps Limited. Variable output oil pump. 4,887,956, 12-19-89, Cl. 418-20.000.
- Child Safety Products: *See—*
  - Hair, John, II, 4,854,448, Cl. 206-1.500.
- Childers, Robert W.; Cook, Thomas G.; Karle, David A.; Krahe, Ronald P.; Sparber, George E.; and Yeaney, Gerald L., to American Sterilizer Company. Self-contained, closed loop steam sterilizer. 4,808,377, 2-28-89, Cl. 422-26.000.
- Childers, Thomas W.: *See—*
  - Johnson, Dale V.; Burkhardt, Joseph A.; and Childers, Thomas W., 4,858,694, Cl. 166-355.000.
- Childers, Todd A. Beverage chiller and method therefore. 4,843,836, 7-4-89, Cl. 62-293.000.
- Childers, Wayne E., Jr.; and Abou-Gharbia, Magid A., to American Home Products Corporation. Noradamantyl-carboxylic acid piperazinoalkyl esters. 4,873,331, 10-10-89, Cl. 544-295.000.
- Childers, Wayne E., Jr.: *See—*
  - Abou-Gharbia, Magid A.; Yardley, John P.; and Childers, Wayne E., Jr., 4,882,432, Cl. 544-295.000.
- Childre, Casey J.; Walker, George V.; and Speh, Michael, to Lew Childre & Sons, Inc. Sliding foregrip for a fishing rod. 4,850,130, 7-25-89, Cl. 43-23.000.
- Children On the Go, Inc.: *See—*
  - Greenwood, Mark H.; and Sherman, Alan P., 4,836,605, Cl. 297-250.000.
- Children'Fund, The: *See—*
  - Lee, Kenneth A.; and Palmquist, Robert J., 4,847,473, Cl. 235-381.000.
- Children's Hospital Medical Center of Northern California: *See—*
  - Perrine, Susan, 4,822,821, Cl. 514-557.000.
- Children's Medical Center Corporation, The: *See—*
  - Carpenter, Thomas O.; and Pitha, Josef, 4,877,778, Cl. 514-58.000.
  - Duffy, Frank H., 4,815,474, Cl. 128-731.000.
  - Duffy, Frank H., 4,844,086, Cl. 128-731.000.
  - Klagsbrun, Michael, 4,882,275, Cl. 435-68.000.
  - Sipe, Jean D.; Whitehead, Alexander S.; Cohen, Alan S.; and Skinner, Martha, 4,816,388, Cl. 435-6.000.
- Childress, Bobby B., to Pelton & Crane. Automatic sterilizer. 4,865,814, 9-12-89, Cl. 422-116.000.
- Childress, Jeffrey S., to General Electric Company. Adaptive limiter/detector which changes time constant upon detection of dotting pattern. 4,821,292, 4-11-89, Cl. 375-76.000.
- Childress, Joseph B. Open top floatable barge repair box with barge to box sealing system. 4,872,781, 10-10-89, Cl. 405-12.000.
- Childress, Thomas E.: *See—*
  - Lewis, Kenrick M.; and Childress, Thomas E., 4,864,044, Cl. 556-472.000.
- Childs, Henry T., to Temperature Adjusters, Inc. Wrap-around heat and smoke extractor. 4,831,941, 5-23-89, Cl. 110-317.000.
- Childs, Lee R.: *See—*
  - Kennedy, Kurtis R.; and Childs, Lee R., 4,836,492, Cl. 248-676.000.
- Childs, Michael E.: *See—*
  - Calcaterra, Lidia T.; DeFilippi, Louis J.; Childs, Michael E.; and Latos, Edwin J., 4,810,567, Cl. 428-224.000.
- Childs, Peter A.: *See—*
  - Butler, Alan L.; and Childs, Peter A., 4,833,097, Cl. 437-31.000.
- Childs, William M.: *See—*
  - Hinckley, Heidemarie; and Childs, William M., 4,868,981, Cl. 29-857.000.
- Chiles III, Robert E.; Neville, Bruce R.; Wattis, Richard D.; and Werthmann, Scott, to AMF Bowling, Inc. Bowling scoring display system. 4,887,813, 12-19-89, Cl. 273-54.00C.
- Chilewich, Sandy; and Moskal, Kathy, to Moskal & Chilewich, Inc. Slipper sock construction and method for making same. 4,852,272, 8-1-89, Cl. 36-12.000.
- Chilluffo, Ronald L.; and Gottlieb, Ellis J., to Allied-Signal Inc. Microwave diode tuning circuit. 4,799,035, 1-17-89, Cl. 333-223.000.
- Chilly Bones, Inc.: *See—*
  - Tobin, Cullin S., 4,854,319, Cl. 128-380.000.
- Chilly-Willee Products Div. of Gross-Given Manufacturing Company: *See—*
  - Peckjian, Bryan M., 4,795,061, Cl. 222-66.000.
- Chilton, David B.: *See—*
  - Woodin, George B.; and Chilton, David B., 4,848,655, Cl. 237-8.00R.
- Chilton, David C.; and Simmons, Richard E., to BCIRA. Method and apparatus for evaluating the hardening of chemically bonded foundry sand molds and cores. 4,888,982, 12-26-89, Cl. 73-81.000.
- Chilton, George A. A.: *See—*
  - Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., 4,857,944, Cl. 346-154.000.
  - Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., 4,888,603, Cl. 346-160.000.
  - Kirk, Richard A.; Lee, Peter R.; Hart, Peter B.; Chilton, George A. A.; and Cobb, Alan J., 4,884,086, Cl. 346-155.000.
- Chilton, Scott W.: *See—*
  - Sederoff, Ronald R.; Stomp, Anne-Marie; Moore, Larry W.; and Chilton, Scott W., 4,886,937, Cl. 800-1.000.
- Chilva, Timothy E., to Azdel, Inc. Method of preparing sheets of fiber reinforced thermoplastic resin or subsequent molding in a pres 4,802,843, 2-7-89, Cl. 432-8.000.
- Chimento, Philip F., Jr.: *See—*
  - Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., 4,827,411, C 364-300.000.
- Chimerix Corporation: *See—*
  - Chao, Yong-Sheng; Fernandez, Salvador M.; and Guignon, Ernes F., 4,855,930, Cl. 364-497.000.
- Chimicasa GmbH: *See—*
  - Lembke, Andreas; Deininger, Rolf; and Lembke, Jurgen, 4,834,9 Cl. 426-9.000.
- Chin, Aland K.; Ford, John W., Jr.; and Forouhar, Siamak, to Polaroid Corporation. Semiconductor holding fixture and method. 4,847,11 7-11-89, Cl. 427-282.000.
- Chin, Albert K.; and Goldman, Robert K., to Fogarty, Thomas J. Apparatus and method for applying hemostatic scalp clips. 4,821,72 4-18-89, Cl. 128-334.00R.
- Chin, Albert K., to Fogarty, Thomas J. Pressurized manual advancement dilatation catheter. 4,863,440, 9-5-89, Cl. 604-271.000.
- Chin, Albert K.; and Fogarty, Thomas J., to Fogarty, Thomas J. Method for implanting automatic implantable defibrillator. 4,865,03 9-12-89, Cl. 128-419.00D.
- Chin, Albert K., to Fogarty, Thomas J. Angioscope with flush solution deflector shield. 4,878,893, 11-7-89, Cl. 604-21.000.
- Chin, Albert K.: *See—*
  - Fogarty, Thomas J.; Chin, Albert K.; and Feehan, Joe, 4,860,7 Cl. 128-786.000.
- Chin, Arthur A.; Johnson, Ivy D.; Kresge, Charles T.; and Sarli, Michael S., to Mobil Oil Corporation. Additive for vanadium capture in catalytic cracking. 4,889,615, 12-26-89, Cl. 208-113.000.
- Chin, Arthur H.; and Taylor, William M., to Cameron Iron Works USA, Inc. Subsea tubular joint. 4,887,846, 12-19-89, Cl. 285-18.00
- Chin, Arthur H. T.: *See—*
  - Schmitz, Thomas R.; and Chin, Arthur H. T., 4,805,430, C 72-58.000.
- Chin, Gen M.: *See—*
  - Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.
- Chin, Hong B.: *See—*
  - Schmitt, George J.; Prevorsek, Dusan C.; Chin, Hong B.; and Lee, Kwok W., 4,845,162, Cl. 525-423.000.
- Chin, Hsiao-Ling M.: *See—*
  - Knudsen, Christopher G.; Michaely, William J.; James, Donald R.; and Chin, Hsiao-Ling M., 4,808,733, Cl. 549-292.000.
- Chin, James; and Sing, Ajaib, to Uniroyal Chemical Company, Inc. Water emulsified ketoxime blocked polyurethane. 4,835,210, 5-30-8 Cl. 524-732.000.
- Chin, Jimmie: *See—*
  - Martorella, Romeo P.; and Chin, Jimmie, 4,797,829, C 364-434.000.
- Chin, Kurt L. Flashlight with built-in lighter. 4,816,971, 3-28-89, C 362-200.000.
- Chin, Laurence D.: *See—*
  - Domeier, Wayne H.; and Chin, Laurence D., 4,809,191, C 364-513.000.
- Chin, Lin T.; and Wilber, James A., to Thomson Consumer Electronics Inc. Vertical tracking circuit. 4,843,285, 6-27-89, Cl. 315-408.000.
- Chin, Maw R.: *See—*
  - Farb, Joseph E.; and Chin, Maw R., 4,837,051, Cl. 427-97.000.
- Chin, Maw-Rong: *See—*
  - Chow, Yu C.; Liao, Kuan-Yang; and Chin, Maw-Rong, 4,847,11 Cl. 427-38.000.
- Chin, Roland L.: *See—*
  - Lewis, James M.; Owens, Robert A.; Ferguson, Susan A.; Chin, Roland L.; and Zuba, Valentine T., 4,822,722, Cl. 430-326.000.
- Chin, Seok W., to Goldstar Co., Ltd. Electromagnetic energy seal for a microwave oven. 4,822,968, 4-18-89, Cl. 219-10.55D.
- Chin, Seok W.: *See—*
  - Lee, Eon H.; and Chin, Seok W., 4,800,246, Cl. 219-10.55F.
- Chin, Stephen: *See—*
  - Duhl, David N.; and Chin, Stephen, 4,888,069, Cl. 148-404.000.
- Chin, Steven S.: *See—*
  - Willis, Carl L.; and Chin, Steven S., 4,882,384, Cl. 525-105.000.
- Chin, Victor H.; Chihara, Carol; and Sha, Allen S., to International Business Machines Corporation. Deferred parity checking of control signals across a bidirectional data transmission interface. 4,823,34 4-18-89, Cl. 371-49.000.

- Chin, Yee S.: *See—*
  - Lee, Jeffery H.; and Chin, Yee S., 4,843,632, Cl. 382-56.000.
- China National Petroleum & Chemical Equipment Engineering: *See—*
  - Xu, Jinghang, 4,820,678, Cl. 502-303.000.
- China National Seed Corporation: *See—*
  - Yuan, Long-Ping, 4,827,664, Cl. 47-58.000.
- China Petrochemical Corp.: *See—*
  - Mao, Bingquan; Yang, Aichun; Zheng, Ying; Yang, Juxiou; and Li, Zhulan, 4,861,847, Cl. 526-125.000.
- China Petrochemical Development Corporation: *See—*
  - Lin, Trong-Goang; Ho, Ling-Wen; Ko, An-Nan; and Perng, Yeong-Ju, 4,876,398, Cl. 568-804.000.
- China Steel Corporation: *See—*
  - Chen, Hong-Bin; Chang, Lien-Kuei; Tsay, Shern-Ji; Chou, Tung-Sheng; and Shiue, Fong, 4,879,905, Cl. 73-579.000.
  - Era, Hidenori; Shimizu, Mineo; and Chen, Huang-Chuan, 4,854,976, Cl. 148-2.000.
- China Technical Consultants, Inc.: *See—*
  - Gu, Jen-Tau, 4,847,428, Cl. 568-639.000.
- Chinchar, Victor M. Multi-leverage, variable handling twist turn wrench. 4,825,733, 5-2-89, Cl. 81-177.200.
- Chinchen, Godfrey C.; and Jennings, James R., to Imperial Chemical Industries PLC. Process for the manufacture of a catalyst. 4,863,894, 9-5-89, Cl. 502-342.000.
- Chinchen, Godfrey C.: *See—*
  - Waugh, Kenneth C.; and Chinchen, Godfrey C., 4,877,743, Cl. 436-116.000.
- Chinery, David. Manipulative device. 4,826,087, 5-2-89, Cl. 239-551.000.
- Chinese Academy of Medical Sciences: *See—*
  - Chen, Yen-rong; Yang, Ming-he; Huang, Liang; Liu, Geng-tao; and Benz, Ulrich, 4,879,390, Cl. 548-453.000.
  - Hartwig, Wolfgang, 4,803,285, Cl. 548-551.000.
  - Hartwig, Wolfgang, 4,847,287, Cl. 514-423.000.
  - Yang, Ming-he; Chen, Yan-rong; Liu, Geng-tao; and Huang, Liang, 4,826,873, Cl. 514-467.000.
- Chinese PLA General Hospital: *See—*
  - Wang, Xiangsheng, 4,870,974, Cl. 128-700.000.
- Ching-Hwei, Lan. Automobile multi-purpose auxiliary indicator. 4,825,191, 4-25-89, Cl. 340-472.000.
- Ching, Larry K. W., Jr.: *See—*
  - Adams, David W.; Ching, Larry K. W., Jr.; and Puester, Neil, 4,859,547, Cl. 429-121.000.
- Ching-Liang, Liu. Coil spring exerciser. 4,856,776, 8-15-89, Cl. 272-142.000.
- Ching-Tang, Huang. Hydraulic drive automobile horizontal driving device. 4,834,206, 5-30-89, Cl. 180-202.000.
- Chinman, Carole. Wrapper for articles with improved securing arrangement. 4,881,684, 11-21-89, Cl. 229-87.00A.
- Chinn, Leland J.; Desai, Bipinchandra N.; and Mueller, Richard A., to G. D. Searle & Co. 5-lipoxygenase inhibitors. 4,801,611, 1-31-89, Cl. 514-532.000.
- Chinnaswamy, Ackanaickenpalayam V.; Wilk, Stanley A.; and Torrey, James H., Jr, to Digital Equipment Corporation. Data processor performance advisor. 4,849,879, 7-18-89, Cl. 364-200.000.
- Chino, Hisayoshi: *See—*
  - Fujiwara, Jiro; Chino, Hisayoshi; Yoshida, Teruyuki; Takayama, Jun; Tachi, Katsuichi; and Suzuki, Hideto, 4,814,902, Cl. 360-33.100.
  - Hanatani, Shinji; Sugiyama, Yoshiaki; and Chino, Hisayoshi, 4,855,846, Cl. 360-84.000.
- Chino, Kiyozumi: *See—*
  - Komine, Hitoshi; and Chino, Kiyozumi, 4,810,830, Cl. 174-35.0GC.
- Chino, Koichi: *See—*
  - Kinoshita, Mitsuo; Ito, Tetsuo; Mikawa, Hiroji; and Chino, Koichi, 4,872,948, Cl. 159-6.200.
- Chino, Naoyoshi; Tanaka, Yasunori; Fukumura, Kenichi; and Hiraki, Yasuhito, to Fuji Photo Film Co., Ltd. Magnetic liquid application method and apparatus. 4,831,961, 5-23-89, Cl. 118-410.000.
- Chino, Naoyoshi; Hiraki, Yasuhito; and Sato, Tsunehiko, to Fuji Photo Film Co., Ltd. Coating apparatus. 4,854,262, 8-8-89, Cl. 118-411.000.
- Chino, Naoyoshi: *See—*
  - Shibata, Norio; Sato, Tsunehiko; Takeda, Hideo; and Chino, Naoyoshi, 4,796,557, Cl. 118-62.000.
- Chino, Shigeo: *See—*
  - Ohbayashi, Keiji; Chino, Shigeo; Okumura, Mitsuhiro; and Onodera, Kaoru, 4,797,350, Cl. 430-380.000.
- Chino, Shuichi: *See—*
  - Nakagawa, Nozomu; Kubota, Masaru; and Chino, Shuichi, 4,861,814, Cl. 524-102.000.
- Chino, Yasuaki, to Hitachi, Ltd. Automatic focusing device using a light sensor of center-split type. 4,857,717, 8-15-89, Cl. 250-201.000.
- Chino, Yoshiharu; Wakita, Nobuaki; Hibino, Masaru; Ikeya, Taro; Kanesaka, Toshiro; and Takeuchi, Kazuo, to Toyota Jidosha Kabushiki Kaisha. Oil pan arrangement for horizontally mounted engine. 4,825,825, 5-2-89, Cl. 123-195.00C.
- Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt.: *See—*
  - Balogh, Gyula; Boros nee Gundar, Iren; Gajary, Antal; Hidasi, Gyorgy; Rappi, Andras; Rakoczi, Jozsef; Soos, Rudolf; Szekely, Istvan; and Zoltan, Sandor, 4,843,174, Cl. 562-506.000.
  - Friesz, Antal; Nad, Zsuzsanna; Nagy, Lajos; and Kallay, Tamas, 4,820,838, Cl. 544-268.000.
  - Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,803,274, Cl. 546-13.000.
  - Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,806,645, Cl. 546-13.000.
  - Hermecz, Istvan; Kereszturi, Geza; Vasvavi, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Szuts, Tamas; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,871,849, Cl. 544-229.000.
  - Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.
  - Knoll, Jozsef; Birkmayer, Walter; Kalloy, Katalin; Marton, Jeno; and Ecsery, Zoltan, 4,880,833, Cl. 514-565.000.
  - Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.
  - Seres, Gabor; Jarai, Miklos; Piukovich, Sandor; Szigetvari nee Gabanyi, Maria; and Szejtli, Jozsef, 4,835,105, Cl. 435-97.000.
  - Stadler nee Szoke, Agnes; Szejtli, Jozsef; Weiszfeiler, Viktor; Vargay, Zoltan; Kaloy, Katalin; Gergely, Vera; and Szuts, Tamas, 4,826,963, Cl. 536-103.000.
  - Szabo, Tibor; Vidra nee Sandor, Ildiko ; Dalmadi, Gyula; Kaczmarek nee Sebestyen, Judit; and Ori, Janos, 4,820,852, Cl. 549-539.000.
  - Szego, Andras; Peterdi, Viktoria; Kovats, Ferenc; Sos, Jozsef; Racz, Istvan; Angyan, Sandor; and Marmarosi nee Kellner, Katalin, 4,826,863, Cl. 514-395.000.
  - Szentmikiosi, Peter; Hermecz, Istvan; Meszaros, Zoltan; Tardos, Laszlo; Marton, Jeno; Vasvari nee Debreczy, Lelle; Horvath, Agnes; and Marmarosi (nee Kellner), Katalin, 4,814,336, Cl. 514-263.000.
  - Szilagyi, Imre; Dekany, Gyula; Frank, Judit; Horvath, Gabor; and Kulcsar, Gabor, 4,873,348, Cl. 549-271.000.
  - Takacs, Kalman; Ajzert, Ilona K.; Kellner, Katalin M.; Fleischer, Judit; Puskas, Mariann E.; and Rimai, Jozsef, 4,861,888, Cl. 546-150.000.
  - Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.
- Chinomi, Isamu: *See—*
  - Munakata, Kiyohiko; Tanaka, Yuji; and Chinomi, Isamu, 4,821,989, Cl. 248-430.000.
- Chinon Kabushiki Kaisha: *See—*
  - Maruyama, Takashi; Watanabe, Osamu; Kitahara, Hidehiko; Fujimori, Tomoo; Soya, Akihiko; and Ootsuki, Katsuhiko, 4,816,859, Cl. 354-400.000.
  - Ogura, Wataru, 4,838,717, Cl. 400-322.000.
  - Takehana, Takamichi; Murayama, Osamu; Nakajima, Hideaki; Yamada, Masatoshi; and Hamada, Makoto, 4,878,080, Cl. 354-403.000.
- Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; Kajimura, Takashi; and Ohtoshi, Tsukuru, to Hitachi, Ltd. Semiconductor laser having a multiple quantum well structure doped with impurities. 4,881,235, 11-14-89, Cl. 372-45.000.
- Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; and Kajimura, Takashi, to Hitachi, Ltd. Semiconductor laser having quantum well active region doped with impurities. 4,881,238, 11-14-89, Cl. 372-68.000.
- Chinone, Naoki: *See—*
  - Fukuzawa, Tadashi; Chinone, Naoki; Nakatsuka, Shin'ichi; Saito, Katsutoshi; Kajimura, Takashi; and Ono, Yuuichi, 4,827,483, Cl. 372-45.000.
  - Katsuyama, Toshio; Matsumura, Hiroyoshi; Inoue, Hiroaki; Fukuzawa, Tadashi; and Chinone, Naoki, 4,861,130, Cl. 350-96.140.
  - Nakatsuka, Shinichi; Chinone, Naoki; Uomi, Kazuhisa; Ono, Yuichi; and Kajimura, Takashi, 4,821,275, Cl. 372-45.000.
  - Ohishi, Aiko; Hirao, Motohisa; Chinone, Naoki; Tsuji, Shinji; Nakamura, Hitoshi; and Matsumura, Hiroyoshi, 4,841,536, Cl. 372-46.000.
  - Ohtoshi, Tsukuru; Uomi, Kazuhisa; Fukuzawa, Tadashi; and Chinone, Naoki, 4,835,578, Cl. 357-4.000.
  - Okai, Makoto; Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; and Chinone, Naoki, 4,885,753, Cl. 372-45.000.
  - Sakano, Shinji; Inoue, Hiroaki; Matsumura, Hiroyoshi; Nakamura, Hitoshi; Katsuyama, Toshio; and Chinone, Naoki, 4,813,757, Cl. 350-96.140.
  - Uomi, Kazuhisa; Yoshizawa, Misuzu; Ono, Yuichi; Chinone, Naoki; and Kajimura, Takashi, 4,797,891, Cl. 372-46.000.
  - Uomi, Kazuhisa; Chinone, Naoki; Yoshizawa, Misuzu; Nakatsuka, Shin'ichi; Kajimura, Takashi; and Ono, Yuichi, 4,811,354, Cl. 372-46.000.
  - Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; Okai, Makoto; and Chinone, Naoki, 4,873,691, Cl. 372-20.000.
- Chinske, Louis M.: *See—*
  - Torgrimson, Lee A.; and Chinske, Louis M., 4,875,576, Cl. 206-219.000.
- Chinski, Carol A.: *See—*
  - Chinski, Michael D.; and Chinski, Carol A., 4,809,892, Cl. 224-155.000.
- Chinski, Michael D.; and Chinski, Carol A. Studio pack. 4,809,892, 3-7-89, Cl. 224-155.000.

Chio, Shiu-Shin. Method and apparatus for determining blood pressure and cardiovascular condition. 4,880,013, 11-14-89, Cl. 128-681.000.

Chiodini, Andrea S., to La Minerva di Chiodini Mario S.r.l. Molding apparatus to mold ground meat or the like. 4,881,300, 11-21-89, Cl. 17-32.000.

Chiodini, Graziella: *See—*

Moggi, Giovanni; Chiodini, Graziella; Cirillo, Gianna; and Geri, Sergio, 4,857,598, Cl. 525-194.000.

Chiodini, Laura; Gobbini, Mauro; Mantegani, Sergio; Ruggieri, Daniel; Temperilli, Aldemio; Traquandi, Gabriella; and Ferrari, Patrizia, to Farmitalia Carlo Erba S.p.A. Aminoglycoside steroids, a process for their preparation, their use and pharmaceutical compositions containing them. 4,882,315, 11-21-89, Cl. 514-26.000.

Chiodini, Laura: *See—*

Bernardi, Luigi; Chiodini, Laura; and Temperilli, Aldemio, 4,861,793, Cl. 514-410.000.

Chiodo, Alfred A. Portable highway barrier. 4,869,617, 9-26-89, Cl. 404-6.000.

Chiodo, Chris, to Activational Systems, Inc. Micropipettes and fabrication thereof. 4,885,945, 12-12-89, Cl. 73-863.320.

Chiodo, Daniel J.; and Maggio, Joseph A., to Medicore, Inc. Automatic lancet device. 4,844,095, 7-4-89, Cl. 128-314.000.

Chiodo, Gary T. Syringe holder. 4,802,645, 2-7-89, Cl. 248-309.100.

Chiodras, Peter J.: *See—*

Karras, Ernest; Chiodras, Peter J.; and Harrison, John M., 4,849,971, Cl. 370-110.100.

Chiomento, Renzo: *See—*

Balet, Daniel; Chiomento, Renzo; Beaulieu, Louis; and Poncel, Yves, 4,873,571, Cl. 358-93.000.

Chiong, Kaolin N.: *See—*

Allen, Robert D.; Chiong, Kaolin N.; Chow, Ming-Fea; MacDonald, Scott A.; Yang, Jer-Ming; and Willson, Carlton G., 4,810,601, Cl. 430-18.000.

Moreau, Wayne M.; and Chiong, Kaolin N., 4,880,722, Cl. 430-192.000.

Chiou, Chuang-Jiunn. Letter box. 4,869,425, 9-26-89, Cl. 232-17.000.

Chiou, George C. Y.; and Lam, Dominic M., to Houston Biotechnology, Inc. Ophthalmic compositions for treating nerve degeneration. 4,865,599, 9-12-89, Cl. 424-427.000.

Chiou, Golong. Stable water bed. 4,825,485, 5-2-89, Cl. 5-451.000.

Chiou, Jeng-Jong. Cassette stationery set. 4,807,744, 2-28-89, Cl. 206-214.000.

Chiou, Jeng-Jong. Cassette kitchen utensils set. 4,870,754, 10-3-89, Cl. 30-123.000.

Chiou, Jongwen: *See—*

Si, Stephen S. C.; Wang, Eugene T.; and Chiou, Jongwen, 4,835,728, Cl. 364-900.000.

Chiou, Joseph J.: *See—*

Clearman, Jack F.; Furin, Olivia P.; Chiou, Joseph J.; and Squires, William C., 4,881,556, Cl. 121-359.000.

Chiou, Minshon J.: *See—*

Yang, Hung H.; and Chiou, Minshon J., 4,859,393, Cl. 264-184.000.

Chiou, Shang-Jaw; and Winey, Donald A., to Rohm and Haas Company. Modified solution polymers for coatings, films, mastics, caulks, and adhesives. 4,863,990, 9-5-89, Cl. 524-517.000.

Chiovini, Jacky: *See—*

Margolis, Geoffrey; Chiovini, Jacky; and Pagliaro, Fulvio A., 4,861,607, Cl. 426-481.000.

Chip, Gerald K.; and Rudin, Alfred, to Tioxide Group PLC. Polymeric particles and their preparation. 4,863,973, 9-5-89, Cl. 521-64.000.

Chipchase, Frank: *See—*

Lupo, Joseph; and Chipchase, Frank, 4,850,475, Cl. 198-778.000.

Chipcom Corporation: *See—*

Abraham, Menachem; Linde, Yoseph; and Saussy, Gordon C., 4,809,264, Cl. 370-76.000.

Chipko, Paul A.: *See—*

Skinner, David J.; Chipko, Paul A.; and Okazaki, Kenji, 4,805,686, Cl. 164-423.000.

Chipnjay, Inc.: *See—*

Begley, Samuel E.; and Begley, Lana H., 4,856,780, Cl. 273-244.000.

Chippendale, Arthur J. Apparatus for pacing, queing and equipment control in audiovisual work. 4,858,033, 8-15-89, Cl. 360-14.200.

Chipper Industries, Inc.: *See—*

Kammler, Thomas L.; and Thomas, Charles L., 4,848,549, Cl. 192-85.0CA.

Chirife, Raul. Antitachyarrythmia pacemaker using pre-ejection period to distinguish physiologic from pathologic tachycardia. 4,865,036, 9-12-89, Cl. 128-419.00D.

Chiriffe, Jorge: *See—*

Favetto, Guillermo J.; Chiriffe, Jorge; Scorza, Osvaldo C.; and Hermida, Carlos A., 4,834,017, Cl. 116-207.000.

Chirillo, John R.; Kimbrough, Kellam C., II; and McHattie, Peder E., to Union Carbide Corporation. Method for reducing sheeting during polymerization of alpha-olefins. 4,855,370, 8-8-89, Cl. 526-74.000.

Chirinos, Maria L.; Graham, David E.; Layrisse, Ignacio; and Stockwell, Alan, to British Petroleum Company p.l.c., The; and Intevep, S.A. Method for desalting crude oil. 4,806,231, 2-21-89, Cl. 208-251.00R.

Chirinos, Maria L.: *See—*

Layrisse, Ignacio; Polanco, Domingo R.; Rivas, Hercilio; Jimenez G., Euler; Quintero, Lirio; Salazar, Jose P.; Rivero, Mayela; Cardenas, Antonio; Chirinos, Maria L.; Rojas, Daysi; and Marquez, Humberto, 4,795,478, Cl. 44-51.000.

Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, C 44-51.000.

Chiron Corporation: *See—*

Brake, Anthony J., 4,870,008, Cl. 435-70.000.

Burke, Rae L.; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia; Valenzuela, Pablo D. T.; and Barr, Philip J., 4,880,734, Cl. 435-68.000.

Burke, Rae Lyn; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia A.; and Valenzuela, Pablo D. T., 4,876,197, C 435-172.300.

Luciw, Paul; Parkes, Deborah L.; and Van Nest, Gary A., 4,876,089, Cl. 424-89.000.

Nussenzweig, Victor; and Barr, Philip J., 4,826,957, C 530-350.000.

Urdea, Mickey; and Warner, Brian, 4,868,105, Cl. 435-6.000.

Chiron, Paul J.; Watson, Kevin D.; and Shaw, Raymond W., to Comalco Aluminum Limited. Hot filter media. 4,880,541, 11-14- Cl. 210-496.000.

Chiron-Werke GmbH & Co. KG: *See—*

Rutschle, Eugen; and Winkler, Hans-Henning, 4,850,764, C 409-198.000.

Rutschle, Eugen; Winkler, Hans-Henning; and Haninger, Rudol 4,863,320, Cl. 409-134.000.

Winkler, Hans-Henning; Rutschle, Eugen; and Haninger, Rudol 4,827,599, Cl. 29-568.000.

Winkler, Hans-Henning; and Rutschle, Eugen, 4,842,455, C 409-134.000.

Winkler, Hans-Henning; Rutschle, Eugen; and Haninger, Rudol 4,863,319, Cl. 409-134.000.

Winkler, Hans-Henning; and Rutschle, Eugen, 4,866,834, C 29-568.000.

Winkler, Hans-Henning; and Rutschle, Eugen, 4,879,802, C 29-568.000.

Chisari, Paul R.; and Midon, Christian, to Wm. Wrigley Jr., Compan Method of improving chewing gum to reduce alditol bulking age spots using gum rework material. 4,861,600, 8-29-89, Cl. 426-3

Chisholm, John. Method of making a crimped wire mesh heat exchanger/sink. 4,843,693, 7-4-89, Cl. 29-157.30R.

Chisholm, John P., to Sundstrand Data Control, Inc. Advanced instrument landing system. 4,866,450, 9-12-89, Cl. 342-410.000.

Chisholm, Ron. Apparatus for applying a liquid to a wire rope 4,862,996, 9-5-89, Cl. 184-15.100.

Chisholm, Thomas, to U.S. Philips Corporation. Magnetic lens system 4,806,766, 2-21-89, Cl. 250-396.0ML.

Chism, Wayne R.; and Smeins, Larry G., to Hewlett-Packard Company. Programmatically generated in-circuit test for general purpose operational amplifiers. 4,797,627, 1-10-89, Cl. 330-2.000.

Chism, Wayne R., to Hewlett-Packard Company. Apparatus for the automatic in-circuit testing of subscriber line interface circuits and method therefor. 4,860,332, 8-22-89, Cl. 379-1.000.

Chism, Wayne R., to Hewlett-Packard Company. Programmatically generated in-circuit test of digital to analog converters. 4,888,54 12-19-89, Cl. 324-73.00R.

Chisso Corporation: *See—*

Abe, Morio, 4,861,633, Cl. 428-36.300.

Akutsu, Yoshinori; Nakano, Takaharu; Saho, Takahiro; Ohtake, Nobumasa; Yasuda, Hirofumi; and Kimura, Tamio, 4,839,443, C 525-474.000.

Daimon, Takashi; Sakamoto, Hideshi; and Adachi, Tatsuya, 4,857,377, Cl. 428-90.000.

Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, 4,818,587, C 428-198.000.

Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, 4,840,846, C 428-373.000.

Fujii, Hiroyuki; Kudo, Takamichi; Furukawa, Haruhiko; and Yamamoto, Nobusuke, 4,838,945, Cl. 134-1.000.

Fujii, Masahiro; Morita, Hiroshi; Hiraki, Jun; and Hatakeyama, Masakazu, 4,867,974, Cl. 424-89.000.

Fujita, Toshio; Yamashita, Yoshisato; Yoshida, Shigemitsu; and Yamahira, Katsutoshi, 4,881,963, Cl. 71-64.070.

Goto, Nobuo; Ishii, Hiroshisa; and Nakajima, Hirokazu, 4,820,77 Cl. 524-83.000.

Goto, Yasuyuki; Sugimori, Shigeru; and Ogawa, Tetsuya, 4,797,228, Cl. 252-299.630.

Goto, Yasuyuki; and Ogawa, Tetsuya, 4,816,180, Cl. 252-299.63

Goto, Yasuyuki; and Ogawa, Tetsuya, 4,820,443, Cl. 252-299.63

Goto, Yasuyuki; and Ogawa, Tetsuya, 4,839,091, Cl. 252-299.63

Goto, Yasuyuki, 4,853,152, Cl. 252-299.630.

Goto, Yasuyuki; Ogawa, Tetsuya; and Sugimori, Shigeru, 4,855,076, Cl. 252-299.630.

Harada, Masato; Iijima, Makoto; and Saito, Noriaki, 4,831,091, C 526-119.000.

Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hiros Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, C 71-88.000.

Inoue, Hiromichi; Saito, Shinichi; Miyazawa, Kazutoshi; Inukai, Takashi; and Terashima, Kanetsugu, 4,834,907, Cl. 252-299.65

Inoue, Hiromichi; Inukai, Takashi; Ohno, Kouji; Miyazawa, Kazutoshi; and Saito, Shinichi, 4,865,763, Cl. 252-299.610.

Inukai, Takashi; Furukawa, Kenji; Terashima, Kanetsugu; and Saito, Shinichi, 4,820,444, Cl. 252-299.650.

Kawamura, Takanobu; Oohashi, Tamihiro; and Chiku, Shun 4,843,125, Cl. 525-98.000.

Kitano, Kisei; and Goto, Yasuyuki, 4,824,596, Cl. 252-299.610.

Kitano, Kisei; Ushioda, Makoto; Uchida, Manabu; and Suzuki, Toshiharu, 4,877,548, Cl. 252-299.630.

Kitano, Kisei; Uchida, Manabu; Ushioda, Makoto; and Suzuki, Toshiharu, 4,880,562, Cl. 252-299.630.

Kunimune, Kouichi; Kutsuzawa, Yoshiya; Egawa, Hiromi; and Konotsune, Shiro, 4,818,806, Cl. 528-26.000.

Matsuda, Minoru; Itoh, Seiki; and Ono, Hiroshi, 4,888,392, Cl. 526-279.000.

Miya, Shinya; Harada, Masato; Mise, Takaya; and Yamazaki, Hiroshi, 4,874,880, Cl. 556-53.000.

Miyazawa, Kazutoshi; Saito, Shinichi; Inoue, Hiromichi; Inukai, Takashi; and Terashima, Kanetsugu, 4,816,181, Cl. 252-299.650.

Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,818,432, Cl. 252-299.660.

Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,886,622, Cl. 252-299.610.

Murata, Shizuo; Emoto, Naoyoshi; Furukawa, Kenji; Kunimune, Kouichi; Kobayashi, Ryuji; and Tanaka, Masami, 4,864,008, Cl. 528-125.000.

Nakajima, Sadaaki; and Terakawa, Taiju, 4,875,844, Cl. 425-131.500.

Noake, Kaneo, 4,840,781, Cl. 423-345.000.

Ohno, Kouji; Inoue, Hiromichi; Inukai, Takashi; Saito, Shinichi; and Miyazawa, Kazutoshi, 4,795,587, Cl. 252-299.610.

Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,827,052, Cl. 568-812.000.

Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,882,084, Cl. 252-299.660.

Saito, Hideo; Sawada, Shinichi; and Furukawa, Kenji, 4,822,519, Cl. 252-299.610.

Saito, Masayoshi; and I, Jiro, 4,806,335, Cl. 423-632.000.

Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,429, Cl. 252-299.610.

Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,430, Cl. 252-299.610.

Saito, Shinichi; Inoue, Hiromichi; Miyazawa, Kazutoshi; Ohno, Kouji; and Ushioda, Makoto, 4,876,026, Cl. 252-299.610.

Sawada, Shinichi; Matsushita, Tetsuya; and Isoyama, Toyoshiro, 4,877,549, Cl. 252-299.630.

Serita, Tamio; and Takeuchi, Hiroyuki, 4,873,039, Cl. 264-65.000.

Shimomura, Yozo; Mori, Kinya; and Kojima, Osamu, 4,871,805, Cl. 525-98.000.

Sugimori, Shigeru, 4,814,417, Cl. 528-182.000.

Sugimori, Shigeru; Goto, Yasuyuki; and Ogawa, Tetsuya, 4,816,179, Cl. 252-299.630.

Taniguchi, Masahiko; Goi, Shigeru; and Sugihara, Taizo, 4,814,032, Cl. 156-167.000.

Tanioka, Satoshi; Nishimoto, Yasuyuki; and Adachi, Yasuto, 4,804,561, Cl. 427-130.000.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,826,621, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Takeshita, Fusayuki; Kikuchi, Makoto; and Furukawa, Kenji, 4,882,083, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,882,086, Cl. 252-299.610.

Yashuda, Hirofumi; Saho, Takahiro; Ohtake, Nobumasa; and Nakano, Takaharu, 4,822,850, Cl. 528-28.000.

Yoshida, Naoyuki; Kitano, Kisei; and Ogawa, Tetsuya, 4,874,546, Cl. 252-299.610.

Yoshida, Naoyuki; Kaneoya, Masakazu; and Uchida, Manabu, 4,882,451, Cl. 556-440.000.

Chiste, Rolando: *See—*

Makovec, Francesco; Chiste, Rolando; Peris, Walter; and Rovati, Luigi, 4,826,878, Cl. 514-561.000.

Makovec, Francesco; Chiste, Rolando; and Rovati, Angelo L., 4,870,097, Cl. 514-419.000.

Chisvin, Lawrence A.: *See—*

Smelser, Donald W.; Stegeman, James C.; and Chisvin, Lawrence A., 4,817,095, Cl. 371-38.000.

Chitavat, Anwar. Linear motor with air-lift bearing unloading. 4,798,985, 1-17-89, Cl. 310-93.000.

Chitayat, Anwar. Positioning device with dual linear motor. 4,812,725, 3-14-89, Cl. 318-625.000.

Chitayat, Anwar. Linear motor with magnetic bearing preload. 4,834,353, 5-30-89, Cl. 269-73.000.

Chitavat, Anwar. Cooling system for linear motor. 4,839,545, 6-13-89, Cl. 310-12.000.

Chitjian, John R., to Clements National Company. Seam welding machine for thermoplastic material. 4,855,004, 8-8-89, Cl. 156-359.000.

Chitose Kagaku Kogyo Co., Ltd.: *See—*

Sekiya, Takashi, 4,811,842, Cl. 206-443.000.

Chittenden, Constance T.: *See—*

Weaver, Charles S.; and Chittenden, Constance T., 4,819,654, Cl. 128-680.000.

Weaver, Charles S.; Chittenden, Constance T.; and Conner, Allen B., Jr., 4,882,754, Cl. 381-35.000.

Chittenden, Duane R. Escape mechanism for sliding block puzzles. 4,836,548, 6-6-89, Cl. 273-153.00S.

Chittineni, Chittibabu, to Conoco Inc. Method for continuous estimation by non-linear signal matching of seismic traces. 4,841,444, 6-20-89, Cl. 364-421.000.

Chiu, Charles C., to Union Carbide Corporation. High coking value binder system. 4,844,740, 7-4-89, Cl. 106-273.100.

Chiu, Chung-Wai; and Chua, Hunter, to National Starch and Chemical Corporation. Replacement of mung bean starch by modified potato and sweet potato starch in oriental noodles. 4,871,572, 10-3-89, Cl. 426-557.000.

Chiu, Chung-Wai; and Zallie, James P., to National Starch and Chemical Corporation. Method for manufacture of jelly gum confections. 4,886,678, 12-12-89, Cl. 426-578.000.

Chiu, David. Mini foldable cycle. 4,824,130, 4-25-89, Cl. 280-239.000.

Chiu, Edison: *See—*

Tai, Jy-Der; and Chiu, Edison, 4,815,039, Cl. 365-189.000.

Chiu, Edison H.; and Pang, Roland H., to Texas Instruments Incorporated. Easily cascadable and testable cache memory. 4,831,625, 5-16-89, Cl. 371-51.000.

Chiu, Edison H.; Tai, Jy-Der; and Hsu, Te-Chuan, to Texas Instruments Incorporated. Architecture for memory multiplexing. 4,837,743, 6-6-89, Cl. 371-51.000.

Chiu, Edison H., to Texas Instruments Incorporated. Cache memory reset responsive to change in main memory. 4,860,262, 8-22-89, Cl. 365-218.000.

Chiu, Edison H.; and Pang, Roland H., to Texas Instruments Incorporated. Easily cascadable and testable cache memory. 4,884,270, 11-28-89, Cl. 371-21.200.

Chiu, Edison H.: *See—*

Pang, Roland H.; and Chiu, Edison H., 4,858,182, Cl. 365-156.000.

Chiu, Herman S., to Viskase Corporation. Method for external liquid smoke treatment of cellulosic food casings. 4,834,993, 5-30-89, Cl. 426-250.000.

Chiu, Herman S.: *See—*

Ellis, David E.; and Chiu, Herman S., 4,867,204, Cl. 138-118.100.

Chiu, I-Ching, to Pennzoil Products Company. Phosphorus-free antiwear/antifriction additives. 4,863,622, 9-5-89, Cl. 252-47.500.

Chiu, I-Ching, to Pennzoil Products Company. Alkylene diamines for use in friction and wear reducing compositions. 4,873,370, 10-10-89, Cl. 564-500.000.

Chiu, Jack. Structure of extendable tables. 4,794,869, 1-3-89, Cl. 108-86.000.

Chiu, Jessie T. Adhesive composition laminate with butyl rubber. 4,855,172, 8-8-89, Cl. 428-57.000.

Chiu, John S.: *See—*

Tann, Chou-Hong; Thiruvengadam, Tiruvettipuram K.; Chiu, John S.; and Colon, Cesar, 4,831,123, Cl. 536-13.900.

Chiu, Kuang Y.; and Hsu, Fu-Chieh, to Hewlett-Packard Company. Process for forming lightly-doped-drain (LDD) without extra masking steps. 4,843,023, 6-27-89, Cl. 437-34.000.

Chiu, Kuang-Yi: *See—*

Wong, Siu-Weng S.; Chen, Devereaux C.; and Chiu, Kuang-Yi, 4,873,204, Cl. 437-200.000.

Chiu, Ran-Fun. Method and apparatus for DC restoration in digital receivers. 4,873,702, 10-10-89, Cl. 375-76.000.

Chiu, Shui W. Sleep-preventing alarm device. 4,875,030, 10-17-89, Cl. 340-575.000.

Chiu, Taiwoo: *See—*

Chen, Patrick P.; Chiu, Taiwoo; and Skerrett, J. Richard, 4,883,564, Cl. 162-112.000.

Chiu, Thomas T.: *See—*

Tiefenbach, Lawrence W., Jr.; Schuetz, James E.; and Chiu, Thomas T., 4,867,759, Cl. 51-298.000.

Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Process for manufacturing semiconductor BICMOS device. 4,824,796, 4-25-89, Cl. 437-57.000.

Chiulli, Carl A., to Polaroid Corporation. Method for manufacturing an optical filter. 4,808,501, 2-28-89, Cl. 430-7.000.

Chiuminatta, Alan R.: *See—*

Chiuminatta, Edward; and Chiuminatta, Alan R., 4,889,675, Cl. 264-154.000.

Chiuminatta, Edward; and Chiuminatta, Alan R. Method for cutting unhardened concrete with a soft concrete saw. 4,889,675, 12-26-89, Cl. 264-154.000.

Chiurco, Anthony A.; and Littman, Michael G., to Thermapeutics, Inc. Thermal pattern generator for pain relief. 4,860,748, 8-29-89, Cl. 128-399.000.

Chivas Products Limited: *See—*

Delphia, John B.; Heilenah, Louis; and Chandler, Ronald E., 4,867,498, Cl. 296-37.700.

Lorence, Brian S.; and Phelps, Richard A., 4,794,668, Cl. 16-125.000.

Lorence, Brian S.; and Grabowski, David N., 4,854,536, Cl. 248-311.200.

Chivers, Dolores. Apartment mailbox signal device. 4,875,621, 10-24-89, Cl. 232-34.000.

Chiyoda Corporation: *See—*

Inooka, Masayoshi, 4,812,167, Cl. 75-63.000.

Inuzuka, Toshio; Hasegawa, Tsutomu; Tomikawa, Minato; and Aoki, Shigeru, 4,889,766, Cl. 428-324.000.

Wakabayashi, Ataru; Umehara, Yohichi; Morie, Satsuki; Kuwahara, Ikuro; and Okada, Yoshimi, 4,874,483, Cl. 204-94.000.

Chiyoda Kogyo Co., Ltd.: *See—*

Togoshi, Hideyuki, 4,843,859, Cl. 72-149.000.

Chiyoshi, Toyoharu: *See—*
Sugiura, Takashi; Matsuura, Ichiro; Miyauchi, Fumio; and Chiyoshi, Toyoharu, 4,886,630, Cl. 264-46.600.

Chlebda, Joseph: *See—*
Berkin, George; Heady, Richard F.; Clarke, Jeffrey; Raghavan, Asuri; Foran, Raymond; Mayer, Ralph; and Chlebda, Joseph, 4,823,394, Cl. 382-8.000.

Chlebina, Lawrence E.: *See—*
Smith, Michael W.; Steagall, Robert N., deceased; Banas, Mark D.; Chlebina, Lawrence E.; Greenlese, Brady G.; and Stokes, James D., 4,806,196, Cl. 156-422.000.

Chlorella Industry Co., Ltd.: *See—*
Shinpo, Kunihiro, 4,822,612, Cl. 424-195.100.

Chloride Group PLC: *See—*
Minter, Ronald H., 4,801,928, Cl. 340-691.000.

Chloride Silent Power Limited: *See—*
Heavens, Stephen N.; and Jones, Ivor W., 4,810,339, Cl. 204-180.100.

Chloupek, James E.; and Boucher, Richard E., to Texas Instruments Incorporated. Phase-frequency compare circuit for phase lock loop. 4,804,928, 2-14-89, Cl. 331-1.00A.

Chmelir, Miroslav; and Pauen, Josef, to Chemische Fabrik Stockhausen GmbH. Process for the continuous production of polymers and copolymers of water-soluble monomers. 4,857,610, 8-15-89, Cl. 526-88.000.

Chmiel, Chester T.; and Young, David A., to Uniroyal Plastics Company, Inc. Adhesive for bonding cured EPDM rubber containing a crosslinked halogenated butyl rubber. 4,851,462, 7-25-89, Cl. 524-290.000.

Chmiel, Horst: *See—*
Bauser, Herbert; Schindler, Bernd; and Chmiel, Horst, 4,840,636, Cl. 8-115.520.

Chmiel, Max; and Prange, Rainer, to Dolomitwerke GmbH. Refractory composition for refractory linings of metallurgical vessels. 4,877,761, 10-31-89, Cl. 501-109.000.

Chmielewski, Konrad G., to Rheem Manufacturing Company. System and method for refrigeration and heating. 4,888,957, 12-26-89, Cl. 62-84.000.

Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., to W. R. Grace & Co. Aspartyl-beta substituted phenylalanine dipeptides. 4,810,817, 3-7-89, Cl. 560-40.000.

Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., to W. R. Grace & Co. - Conn. Process for preparing aspartyl-phenylalanine dipeptides. 4,873,359, 10-10-89, Cl. 560-40.000.

Cho, Alfred Y.: *See—*
Capasso, Federico; Cho, Alfred Y.; and Sen, Susanta, 4,853,753, Cl. 357-4.000.

Cho, Antonio: *See—*
Cho, Chiliang; Cho, Antonio; and Cho, Viktor, 4,809,013, Cl. 346-19.000.

Cho, Boong Y., to Process Automation Business, Inc. Thickness measurement with automatic correction for changes in composition. 4,803,715, 2-7-89, Cl. 378-90.000.

Cho, Boong Y., to Process Automation Business, Inc. Method and apparatus for x-ray analysis of rapidly moving multicomponent materials. 4,815,116, 3-21-89, Cl. 378-53.000.

Cho, Byong K.; and Stock, Christopher J., to General Motors Corporation. Catalyst for simultaneous NO decomposition and CO oxidation under cycled operating conditions. 4,839,146, 6-13-89, Cl. 423-213.500.

Cho, Chiliang; Cho, Antonio; and Cho, Viktor, to Copo Praezisionsapparate AG. Television contest-entering device. 4,809,013, 2-28-89, Cl. 346-19.000.

Cho, Ching-Fai: *See—*
Sterns, William G.; and Cho, Ching-Fai, 4,814,780, Cl. 343-756.000.

Cho, Chul W., to Aluminum Company of America. Aluminum-lithium alloy products and method of making the same. 4,795,502, 1-3-89, Cl. 148-2.000.

Cho, Chul W.; and Sawtell, Ralph R., to Aluminum Company of America. Aluminum-lithium alloys and method of making the same. 4,806,174, 2-21-89, Cl. 148-12.70A.

Cho, Chul W., to Aluminum Company of America. Process for producing duplex mode recrystallized high strength aluminum-lithium alloy products with high fracture toughness and method of making the same. 4,816,087, 3-28-89, Cl. 148-2.000.

Cho, Chul W.; and Sawtell, Ralph R., to Aluminum Company of America. Aluminum-lithium alloys. 4,844,750, 7-4-89, Cl. 148-12.70A.

Cho, David; and Steckler, Richard M., to Carousel Commons. Driver interaction service center and method of operating such a center. 4,884,662, 12-5-89, Cl. 186-36.000.

Cho, George; and Furumoto, Horace, to Candela Laser Corporation. Rigid endoscope with flexible tip. 4,802,461, 2-7-89, Cl. 128-7.000.

Cho, Hae S.; and Kwon, In K., to Samsung Electronics Co., Ltd. Vacuum cleaner. 4,876,763, 10-31-89, Cl. 15-329.000.

Cho, Hidetsura; and Ueda, Masaru, to Suntory Limited. Novel 1,4-dihydropyridine derivatives, process for preparing the same, and agents for treating disorders of circulatory system. 4,824,837, 4-25-89, Cl. 514-356.000.

Cho, Hideyuki. Apparatus for actuating a sidemovement correcting member of a machine for correcting the sidemovement of a travelling sheet-like article. 4,807,791, 2-28-89, Cl. 226-19.000.

Cho, Hyun J., to T. D. Williamson, Inc. Foam pig with textured surface. 4,797,239, 1-10-89, Cl. 264-45.500.

Cho, Hyun J.; and Pickering, Seth, III, to TDW Delaware, Inc. Locking rotary die cutting cover. 4,867,024, 9-19-89, Cl. 83-659.000.

Cho, James B.: *See—*
McIver, George W.; and Cho, James B., 4,849,847, Cl. 361-88.00

Cho, James Y.: *See—*
Sachs, Howard G.; Cho, James Y.; and Hollingsworth, Walter H., 4,860,192, Cl. 364-200.000.
Sachs, Howard G.; Cho, James Y.; and Hollingsworth, Walter H., 4,884,197, Cl. 364-200.000.

Cho, Jim. DTMF-Code controlled lock device. 4,887,078, 12-12-89, Cl. 340-825.480.

Cho, Jin S. Liquid level control float valve. 4,830,042, 5-16-89, Cl. 137-315.000.

Cho, Kang-Rai. Natural ventilation type footwear. 4,837,948, 6-13-89, Cl. 36-3.00A.

Cho, Kenjiro, to Canon Kabushiki Kaisha. Image processing system. 4,817,172, 3-28-89, Cl. 382-21.000.

Cho, Lucky. Plate cutting device capable of being used to cut a plate along a curve. 4,884,485, 12-5-89, Cl. 83-473.000.

Cho, Masamichi; and Kurusu, Yasuo, to Dainippon Screen Mfg. Co., Ltd. Image signal filtering. 4,817,180, 3-28-89, Cl. 382-54.000.

Cho, Masamichi, to Dainippon Screen Seizo Kabushiki Kaisha. Reproduction picture sharpness emphasizing method and apparatus. 4,844,288, 7-4-89, Cl. 358-447.000.

Cho, Masamichi: *See—*
Murata, Hiroyuki; Chiji, Masahiro; Tanaka, Takeshi; Kuwahara, Tadao; Kiuchi, Harunaga; and Cho, Masamichi, 4,834,29 C 241-5.000.

Cho, Michio, to Fuji Photo Film Co., Ltd. Optical system for rangefinding devices. 4,865,435, 9-12-89, Cl. 350-432.000.

Cho, Michio: *See—*
Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu; Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, 4,812, Cl. 354-288.000.

Cho, Moo J.: *See—*
Sih, John C.; and Cho, Moo J., 4,873,337, Cl. 546-271.000.

Cho, Seog-Lae, to Samsung Electron Devices Co., Ltd. Focusing electrodes of an electron gun for use in a color television cathode ray tube. 4,827,181, 5-2-89, Cl. 313-414.000.

Cho, Seog-Lae, to Samsung Electron Devices Co., Ltd. CRT electron gun with multi-lens system. 4,866,335, 9-12-89, Cl. 313-412.000.

Cho, Sung C., to Haidon Industrial Co., Ltd. Golf bag fixing supporter. 4,798,357, 1-17-89, Cl. 248-96.000.

Cho, Sung C., to Haidon Industrial Co., Ltd. Golf bag with divider and putter housing. 4,881,638, 11-21-89, Cl. 206-315.300.

Cho, Toshiaki; Narasimhan, Krishnan; and Bhat, Deepak G., to GTE Valenite Corporation. Process for making cutting insert with titanium carbide coating. 4,830,886, 5-16-89, Cl. 427-249.000.

Cho, Toshitsura; and Yoshizako, Mamoru, to Tama Chemicals Co., Ltd. Method of producing granular synthetic silica. 4,806,329, 2-21-89, Cl. 423-339.000.

Cho, Viktor: *See—*
Cho, Chiliang; Cho, Antonio; and Cho, Viktor, 4,809,013, Cl. 346-19.000.

Cho, Wang M. Hair cutting device. 4,841,634, 6-27-89, Cl. 30-30.000.

Cho, Yoshio; and Kanda, Masahiko, to Sumitomo Electric Industries, Ltd. Tissue metabolism measuring apparatus. 4,832,035, 5-23-89, Cl. 128-633.000.

Cho, Young W., to Eurasiam Laboratories, Inc. Pharmaceutical compositions. 4,849,227, 7-18-89, Cl. 424-498.000.

Choay, Jean: *See—*
Lormeau, Jean-Claude; Petitou, Maurice; and Choay, Jean, 4,804,652, Cl. 514-56.000.
Lormeau, Jean-Claude; Choay, Jean; and Petitou, Maurice, 4,826,827, Cl. 514-56.000.
Petitou, Maurice; Lormeau, Jean-Claude; Choay, Jean; Jacquinet, Jean-Claude; and Sinay, Pierre, 4,801,583, Cl. 514-54.000.
Petitou, Maurice; Jacquinet, Jean-Claude; Sinay, Pierre; Choay, Jean; Lormeau, Jean-Claude; and Nassr, Mahmoud, 4,818, Cl. 536-55.200.

Choay, Patrick: *See—*
Roger, Pierre; Choay, Patrick; and Fournier, Jean-Paul, 4,871, Cl. 540-575.000.

Choay S.A.: *See—*
Lormeau, Jean-Claude; Petitou, Maurice; and Choay, Jean, 4,804,652, Cl. 514-56.000.
Lormeau, Jean-Claude; Choay, Jean; and Petitou, Maurice, 4,826,827, Cl. 514-56.000.
Petitou, Maurice; Lormeau, Jean-Claude; Choay, Jean; Jacquinet, Jean-Claude; and Sinay, Pierre, 4,801,583, Cl. 514-54.000.
Petitou, Maurice; Jacquinet, Jean-Claude; Sinay, Pierre; Choay, Jean; Lormeau, Jean-Claude; and Nassr, Mahmoud, 4,818, Cl. 536-55.200.

Chock Full O'Nuts Corp.: *See—*
Reich, Ismar M., 4,816,275, Cl. 426-422.000.

Chockey, William J.: *See—*
Spriggs, Leonard C.; and Chockey, William J., 4,844,960, Cl. 428-34.500.

Chocolate Pix, Inc.: *See—*
Newsteder, Robert, 4,832,966, Cl. 426-87.000.
Newsteder, Robert, 4,876,824, Cl. 47-66.000.

Chodorow, Ingram S., to Placontrol Corporation. Dental floss holder and package assembly of same. 4,807,752, 2-28-89, Cl. 206-63.500.

Chodos, Steven L.; Pope, Gordon T.; and Rue, Arthur K., to Hughes Aircraft Company. Dual mode video tracker. 4,849,906, 7-18-89, Cl. 364-516.000.

Chodzko, Richard A.: *See—*
Bernard, Jay M.; Chodzko, Richard A.; and Bixler, Timothy J., 4,799,780, Cl. 350-600.000.

Choe, Eui W., to Hoechst Celanese Corp. Acrylic polymers exhibiting chiral and nonlinear optical properties. 4,804,255, 2-14-89, Cl. 350-354.000.

Choe, Eui W., to Hoechst Celanese Corp. Hydrazide-containing thermoplastic polymers exhibiting nonlinear optical response. 4,818,802, 4-4-89, Cl. 526-305.000.

Choe, Eui W., to Hoechst Celanese Corporation. Hydrazide-containing thermoplastic polymers exhibiting nonlinear optical response. 4,824,219, 4-25-89, Cl. 350-354.000.

Choe, Eui W., to Hoechst Celanese Corporation. Acrylic pyrrolidine or piperidine. 4,835,277, 5-30-89, Cl. 546-222.000.

Choe, Jung S.: *See—*
Agrawal, Rakesh; Auvil, Steven R.; and Choe, Jung S., 4,817,392, Cl. 62-18.000.

Choe, Kum C.: *See—*
Lee, Jae B.; and Choe, Kum C., 4,810,149, Cl. 411-411.000.
Lee, Jae B.; and Choe, Kum C., 4,850,775, Cl. 411-366.000.

Choh, Nobuo: *See—*
Morimoto, Akira; Choh, Nobuo; and Noguchi, Noriyoshi, 4,876,251, Cl. 514-193.000.

Chohan, Satish M.; and Antosch, Jerry J., to Gates Rubber Company, The. Quick connect coupling. 4,802,696, 2-7-89, Cl. 285-317.000.

Choi, Byung C.: *See—*
Altman, Lawrence J.; Choi, Byung C.; and Karsner, Grant C., 4,880,748, Cl. 436-60.000.

Choi, Dennis W., to Leland Stanford Junior University, Board of Trustees of the. Method and compositions for reducing neurotoxic injury. 4,806,543, 2-21-89, Cl. 514-464.000.

Choi, Dong K., to Goldstar Co., Ltd. Door opening/closing device for electronic appliances. 4,809,867, 3-7-89, Cl. 220-211.000.

Choi, DooWhan, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Timing circuit including jitter compensation. 4,847,875, 7-11-89, Cl. 375-112.000.

Choi, Francis K., to Xerox Corporation. Fabrication of high resistive loads utilizing a single level polycide process. 4,859,278, 8-22-89, Cl. 156-643.000.

Choi, Hae Y., to Shin, Un Shik. Cap with binoculars. 4,839,926, 6-20-89, Cl. 2-199.000.

Choi, Harry Y. Album binding device and method of binding. 4,844,508, 7-4-89, Cl. 281-15.100.

Choi, Hee-June; Henley, Francois J.; and Barr, Maurice R., to Photon Dynamics, Inc. High frequency test head using electro-optics. 4,862,075, 8-29-89, Cl. 324-158.00F.

Choi, Hee-June: *See—*
Henley, Francois G.; Choi, Hee-June; Kratzer, Dean J.; and Barr, Maurice R., 4,875,006, Cl. 324-158.00R.

Choi, Hin-Fai; Matsushita, Hideo; and Suzawa, Masamiti, to Pegasus Sewing Machine Mfg. Co., Ltd. Reciprocating thread cutter for multi-needle looper thread type sewing machine. 4,834,010, 5-30-89, Cl. 112-292.000.

Choi, Hyeong I.; and Choi, Keh-Kun, to Mo, Bang H. Capacitive discharge electronic ignition system for automobiles. 4,839,772, 6-13-89, Cl. 361-256.000.

Choi, Hyeong I.: *See—*
Choi, Keh-Kun; and Choi, Hyeong I., 4,882,665, Cl. 363-60.000.

Choi, Hyun J., to Gold Star Co., Ltd. Device for automatic sensing of televiewing distance. 4,843,464, 6-27-89, Cl. 358-112.000.

Choi, Il-Hyun: *See—*
Lee, Ki W.; and Choi, Il-Hyun, 4,888,988, Cl. 73-204.260.

Choi, Ju; and Lee, Chong K., to Korea Advanced Institute of Science and Technology. Heat resistance Ni—Cr—W—Al—Ti—Ta alloy. 4,810,466, 3-7-89, Cl. 420-448.000.

Choi, Jung Hyuk: *See—*
Kwon, Sung T.; and Choi, Jung Hyuk, 4,796,116, Cl. 360-85.000.

Choi, Keh-Kun; and Choi, Hyeong I. High frequency, high power, power supply. 4,882,665, 11-21-89, Cl. 363-60.000.

Choi, Keh-Kun: *See—*
Choi, Hyeong I.; and Choi, Keh-Kun, 4,839,772, Cl. 361-256.000.

Choi, King F., to Eastman Kodak Company. Expert system shell for building photofinishing diagnostic systems. 4,885,705, 12-5-89, Cl. 364-525.000.

Choi, Kwang S. Portable cupboard. 4,867,513, 9-19-89, Cl. 312-258.000.

Choi, M. K.; and Russell, Ernest J., to Burlington Industries, Inc. Continuous process for dyeing nylon fabrics. 4,832,699, 5-23-89, Cl. 8-680.000.

Choi, M. K.: *See—*
Russell, Ernest J.; and Choi, M. K., 4,812,140, Cl. 8-492.000.

Choi, Mansam, to Adams Rite Manufacturing Company. Mechanism for controllably deadlocking a door to a door frame, for panic release. 4,838,587, 6-13-89, Cl. 292-216.000.

Choi, Mansam, to Adams Rite Manufacturing Company. Safety door with counterweight locking. 4,865,367, 9-12-89, Cl. 292-92.000.

Choi, Mansam: *See—*
Smith, Gregg L.; and Choi, Mansam, 4,824,150, Cl. 292-92.000.

Choi, Moo W. Portable table. 4,826,244, 5-2-89, Cl. 297-159.000.

Choi, Moo W.: *See—*
Sok Kyu, Bae, 4,846,204, Cl. 135-106.000.

Choi, Oong; Choi, Robert S.; and Buckwalter, Jude, to Woodstream Corporation. Depthfinder with color LCD display. 4,829,492, 5-9-89, Cl. 367-110.000.

Choi, Robert S.: *See—*
Choi, Oong; Choi, Robert S.; and Buckwalter, Jude, 4,829,492, Cl. 367-110.000.

Choi, Sam Kwon, to Korea Advanced Institute of Science and Technology. Novel bis(siloxane) derivatives and a process for their manufacture. 4,827,007, 5-2-89, Cl. 556-444.000.

Choi, Suki-Gi; Min, Sung-Ki; and Kahng, Chang-Won, to Samsung Semiconductor & Telecommunications Co., Ltd. Method for fabricating a BiCMOS device. 4,826,783, 5-2-89, Cl. 437-57.000.

Choi, Sunhee, to Colgate-Palmolive Company. Liquid dishwashing detergent composition for improved hand washing of dishes in cold water. 4,853,147, 8-1-89, Cl. 252-174.190.

Choi, Tai J., to Choi, Tai Jin; Kim, Jung B.; Park, Young Sung; and Kim, Sai H. Safety boat assembly. 4,802,435, 2-7-89, Cl. 114-360.000.

Choi, Tai Jin: *See—*
Choi, Tai J., 4,802,435, Cl. 114-360.000.

Choi, Yong-Kyu, to Dae Yeong Co., Ltd. Condenser with a securing ring. 4,809,136, 2-28-89, Cl. 361-519.000.

Choi, Young J., to Tae Lim Electronics Co., Ltd. Car phone antenna assembly. 4,825,217, 4-25-89, Cl. 343-715.000.

Choi, Young S. Portable golfball teeing device. 4,796,893, 1-10-89, Cl. 273-201.000.

Choi, Yun H., to Samsung Semiconductor & Telecommunications Co., Ltd. Level shifter for an input/output bus in a CMOS dynamic ram. 4,860,257, 8-22-89, Cl. 365-189.110.

Choice Products, Inc.: *See—*
LeCourt, James H.; Betts, Trueman R.; and Gates, Louis E., Jr., 4,869,662, Cl. 431-145.000.

Choiniere, Stanley W., to Olympic Manufacturing Group, Inc. Expansion fastener. 4,871,289, 10-3-89, Cl. 411-48.000.

Choinski, Edward J., to Epicor Technology, Inc. Method for temporarily sealing holes in printed circuit boards utilizing a thermodeformable material. 4,884,337, 12-5-89, Cl. 29-846.000.

Choisnet, Joel, to Thomson-CSF. Device for measuring the ratio of two low value capacities. 4,797,603, 1-10-89, Cl. 324-60.0CD.

Choisser, George P. Disposable rotary tool assembly for cleaning teeth. 4,795,343, 1-3-89, Cl. 433-116.000.

Choisser, George P. Disposable hand tool for health care procedures. 4,842,516, 6-27-89, Cl. 433-132.000.

Chojnacki, Daniel M. Safstrap. 4,862,554, 9-5-89, Cl. 16-126.000.

Chojoha Giken Kabushiki Kaisha: *See—*
Akazawa, Hozumi, 4,867,873, Cl. 210-106.000.

Chokai, Shoichi: *See—*
Yoshikuni, Yoshiaki; Chokai, Shoichi; Ozaki, Takayuki; Yoshida, Hirotsugu; Tanaka, Haruo; and Segawa, Jun, 4,831,055, Cl. 514-539.000.

Choksi, Himanshu; and Tang, Daniel, to Intel Corporation. High quality oxide on an ion implanted polysilicon surface. 4,818,711, 4-4-89, Cl. 437-21.000.

Choksi, Himanshu: *See—*
Tang, Daniel N.; Choksi, Himanshu; Wang, Simon; and Tam, Simon M., 4,806,202, Cl. 156-657.000.

Choksi, Pradip V.; and Ten Napel, Jamie M., to Choksi, Pradip V. Medical tube and/or cable holder. 4,820,274, 4-11-89, Cl. 604-174.000.

Choksi, Pradip V.: *See—*
Luther, Ronald B.; and Choksi, Pradip V., 4,832,696, Cl. 604-164.000.

Cholet, Henri; and Bardin, Christian, to Institut Francais du Petrole. Inclined-jet drilling tool. 4,886,131, 12-12-89, Cl. 175-340.000.

Cholet, Jacques; and Layotte, Pierre-Claude, to Institut Francais du Petrole. Device for generating in the ground both transverse and longitudinal acoustic waves in a plurality of different directions. 4,850,451, 7-25-89, Cl. 181-114.000.

Cholin, Jeffrey G.: *See—*
Cholin, John M.; and Cholin, Jeffrey G., 4,855,718, Cl. 340-578.000.

Cholin, John M.; and Cholin, Jeffrey G., to Firetek Corporation. Fire detection system employing at least one optical waveguide. 4,855,718, 8-8-89, Cl. 340-578.000.

Chollock, Ronald S.: *See—*
McMeekin, James H.; Lerch, Alan E.; Chollock, Ronald S.; and Wesdock, James F., 4,874,940, Cl. 250-223.00B.

Choly, Mitchell; Zuccaro, Dante C.; and McCurdy, Frederick A., to General Motors Corporation. Quick disconnect device. 4,809,747, 3-7-89, Cl. 137-614.060.

Chombart, Didier; Cormerais, Francois X.; and Laborde, Michel, to Compagnie de Raffinage et de Distribution Total France. Process for deasphalting a heavy hydrocarbon feedstock. 4,810,367, 3-7-89, Cl. 208-309.000.

Chombert, Dominique; and Hubert-Sternback, Francoise. Convertible valet bag. 4,880,089, 11-14-89, Cl. 190-18.00R.

Chomczynski, Piotr. Product and process for isolating RNA. 4,843,155, 6-27-89, Cl. 536-27.000.

Chomel, Denis; Devault, Michel; Le Bris, Herve; and Rouaud, Yvon. Asynchronous digital time-division multiplexing system with distributed bus. 4,849,965, 7-18-89, Cl. 370-85.000.

Chomerics, Inc.: *See—*
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Chomka, Frank; and Chomka, Ina T. Screen closure for garage door openings. 4,846,241, 7-11-89, Cl. 160-23.100.

Chomka, Ina T.: *See—*
Chomka, Frank; and Chomka, Ina T., 4,846,241, Cl. 160-23.100.

Chon, David N.: *See—*
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Chonan, Katsuhiko, to Mitsubishi Denki Kabushiki Kaisha. Inverter. 4,859,924, 8-22-89, Cl. 318-808.000.

Chonan, Yoshiya, to Sakae Ringyo Co., Ltd. Fixing structure of fork stem and fork shoulder. 4,887,828, 12-19-89, Cl. 280-280.000.
Chonde, Yohannes: *See—*
  Stanley, Frederick W., Jr.; Lamphere, Jack C.; and Chonde, Yohannes, 4,833,198, Cl. 524-560.000.
Chong, Chiyong: *See—*
  Carmen, Raleigh A.; Chong, Chiyong; and Leng, Barry S., 4,810,378, Cl. 210-206.000.
  Carmen, Raleigh A.; Chong, Chiyong; and Leng, Barry S., 4,855,063, Cl. 210-749.000.
Chong, David C. H.: *See—*
  Woudsma, Roberto; Chong, David C. H.; McSweeney, Brian T.; Borgers, Stephanus M. C.; and Habraken, Egidius A. P., 4,881,192, Cl. 364-725.000.
Chong, Kong-Teck, to Cetus Corporation. Treatment of infections with lymphokines. 4,879,111, 11-7-89, Cl. 424-85.200.
Chong, Wun C. Can cleaning system. 4,833,865, 5-30-89, Cl. 53-517.000.
Choo, Tat Y., to TMC Corporation. Method for treating, spent dryfilm stripping and developing solutions. 4,857,206, 8-15-89, Cl. 210-709.000.
Chookazian, Mark: *See—*
  Bowers, Robert B., and Chookazian, Mark, 4,880,580, Cl. 264-26.000.
Chopin, Philippe: *See—*
  Pitet, Guy; Cousse, Henri; Stenger, Antoine; Briley, Michel; and Chopin, Philippe, 4,851,411, Cl. 514-242.000.
Chopinet, Marie-Helene, to Vetrotex Saint-Gobain. Glass fibers resistant to basic media and their application to reinforcing of cement. 4,835,122, 5-30-89, Cl. 501-35.000.
Chopping, Geoffrey; and Maric, Milan Z., to Plessey Company plc., The. Synchronization arrangements for a digital telecommunications exchange system. 4,864,556, 9-5-89, Cl. 370-16.000.
Chopping, Geoffrey: *See—*
  Ansell, John W.; Chopping, Geoffrey; and Waters, Richard N., 4,858,223, Cl. 370-14.000.
Choquet, Bruno; and Siohan, Pierre, to Etat Francais represente par le Ministre des Postes et Telecommunications (Centre National d'Etudes des Telecommunications). Method and apparatus for processing picture signals having interlaced field scanning. 4,868,655, 9-19-89, Cl. 358-140.000.
Choquet, Pierre. Resistance wire tension measuring gauge. 4,803,888, 2-14-89, Cl. 73-862.390.
Choriyammakal, Pushpa M.: *See—*
  Craven, Tyson S.; and Choriyammakal, Pushpa M., 4,878,062, Cl. 343-872.000.
Chorkey, William J. Solenoid operated valve with balancing means. 4,821,774, 4-18-89, Cl. 137-625.650.
Chorkey, William J.; and Woodruff, Harold L., to Chorkey, William J. Solenoid operated valve with solenoid wattage adjustment means. 4,834,337, 5-30-89, Cl. 251-129.180.
Chorney, Karen: *See—*
  Feickert, Hans-Joachim; Rettig, Wolfgang; Chorney, Karen; Cordon-Cardo, Carlos; Melamed, Myron R.; Lloyd, Kenneth O.; Oettgen, Herbert F.; Old, Lloyd J.; and Anger, Bernd, 4,865,998, Cl. 436-548.000.
Chornogotsky, Vasily M.: *See—*
  Kanaljuk, Viktor L.; Surakov, Anatoly M.; Chornogotsky, Vasily M.; and Shifrin, Lazar N., 4,880,944, Cl. 174-138.00E.
Chosson, Francoise: *See—*
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Chou, Chi T.: *See—*
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Chou, Chih-Yueh. Process for blocking amino acids with the tertiary-alkoxycarbonyl group. 4,837,332, 6-6-89, Cl. 548-321.000.
Chou, Chin-Liang: *See—*
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Chou, Chung-Kwang; and Zhong, Qiang-Rong, to City of Hope. Hyperthermia applicator. 4,865,047, 9-12-89, Cl. 128-784.000.
Chou, David T.; and Cain, Paul A., to Rhone-Poulenc Nederland B.V. Novel pesticidal 1-(alkyl-phenoxy-aryl)-3-benzoyl ureas and process for preparation. 4,873,264, 10-10-89, Cl. 514-594.000.
Chou, David T., and Cain, Paul A., to Rhone-Poulenc. Pesticidal 1-(4-Phenoxyphenyl)-5-Benzoyl urea compounds and process for preparation. 4,880,838, 11-14-89, Cl. 514-594.000.
Chou, Eddie C.: *See—*
  Lussiez, Guy W.; Chou, Eddie C.; and Beckstead, Leo W., 4,810,303, Cl. 106-452.000.
Chou, George. Control circuit of the decorative light sets. 4,890,000, 12-26-89, Cl. 307-36.000.
Chou, Hsin-Hsin; Elmasry, Mohamed A.; Chang, Jeffrey C.; and Kidnie, Kevin M., to Minnesota Mining and Manufacturing Company. Thermal transfer imaging system. 4,822,643, 4-18-89, Cl. 427-256.000.
Chou, Hsin-Hsin; and Li, Wu-Shyong, to Minnesota Mining and Manufacturing Company. Thermal transfer recording material containing chlorinated paraffin wax. 4,839,224, 6-13-89, Cl. 428-323.000.
Chou, Jason L.; and McCollum, Gregory J., to PPG Industries, Inc. Fluorine containing polymer having a terminal ester group. 4,857,619, 8-15-89, Cl. 526-249.000.
Chou, Jason L.: *See—*
  McCollum, Gregory J.; Chou, Jason L.; Bodwell, James R.; and Das, Suryya K., 4,857,620, Cl. 526-255.000.
Chou, Jin-Long. Erratic toy vehicle with body tilt mechanism. 4,846,758, 7-11-89, Cl. 446-437.000.
Chou, Joseph S. Y. Multiple-function magazine for tee nails to be used with a nailing gun. 4,815,647, 3-28-89, Cl. 227-109.000.
Chou, Kechia J., to Texaco Inc. Polyoxyalkylene glycol conversion to monocarboxylic acid. 4,826,768, 5-2-89, Cl. 435-146.000.
Chou, S. I.: *See—*
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Chou, Shem-Mong: *See—*
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Chou-Sheng, Huang, to Pecoware Products, Inc. Child's canteen. 4,852,762, 8-1-89, Cl. 220-90.200.
Chou, Song-Tien, to ASD, Inc. Asbestos decomposition. 4,818,[illegible] 4-4-89, Cl. 405-128.000.
Chou, Tai-Sheng: *See—*
  Avidan, Amos A.; and Chou, Tai-Sheng, 4,822,477, Cl. 208-70.000.
Chou, Tom M. Gate control system. 4,887,205, 12-12-89, Cl. 364-400.000.
Chou, Tung-Sheng: *See—*
  Chen, Hong-Bin; Chang, Lien-Kuei; Tsay, Shern-J.; Chou, Tung-Sheng; and Shiue, Fong, 4,879,905, Cl. 73-573.000.
Chou, Tzeyang J.; Ma, Marshall; Flatau, Ralph; and Elderbroom, Fred, to S&S Inficon, Inc. Digital radiography with image brightness and contrast normalization. 4,868,651, 9-19-89, Cl. 358-111.000.
Chou, Yu-Chia T.; Garrison, David F.; and Lewis, William L., to Du Pont de Nemours, E. I., and Company. Acid purification of product from alkaline peroxide processing of nonwoody lignocellulosic substrates. 4,859,282, 8-22-89, Cl. 162-78.000.
Choudhry, Muhammad Y., to United States of America, Army. Fiber collection and storage device. 4,805,468, 2-21-89, Cl. 73-864.710.
Choudhury, Alok: *See—*
  Stenzel, Otto; Muller, Felix; Bruckmann, Gerhard; and Choudhury, Alok, 4,881,239, Cl. 373-70.000.
Chouinard, Gerald A., to Label Printers, The. Counterfeit resistant label and method of making the same. 4,889,365, 12-26-89, Cl. 283-70.000.
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Chouzadjian, Kevork: *See—*
  Swinkels, Dominicus A.; and Chouzadjian, Kevork, 4,836,990, Cl. 423-130.000.
Chow, Che C., to Xerox Corporation. Method to increase hot offset temperature of silicone fuser. 4,876,777, 10-31-89, Cl. 29-132.000.
Chow, Edward: *See—*
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Chow, Ho; and Testa, Joseph E., to Hunter-Melnor, Inc. Aspiration type sprayer with improved safety feature. 4,826,085, 5-2-89, Cl. 239-318.000.
Chow, Jack K.: *See—*
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Chow, Jessie. Control device for ratchet wrenches. 4,862,775, 9-5-89, Cl. 81-63.200.
Chow, Jien-Hung: *See—*
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Chow, Joseph S.: *See—*
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Chow, Kemneth. Electric fan with a speed selection device positioned near the motor. 4,867,647, 9-19-89, Cl. 417-423.700.
Chow, Kung C., to Westinghouse Electric Corp. Apparatus for detecting unsymmetrical bipolar waveforms. 4,876,624, 10-24-89, Cl. 361-87.000.
Chow, Mark K.: *See—*
  Bohman, Carl E.; and Chow, Mark K., 4,805,385, Cl. 56-10.200.
  McClure, John R.; and Chow, Mark K., 4,834,303, Cl. 241-101.200.
  Strosser, Richard P.; Wynn, Edward J.; Chow, Mark K.; and Schlotterbeck, Stephen C., 4,855,924, Cl. 364-468.000.
  Weaver, Marvin G., Jr.; Bohman, Carl E.; Strosser, Richard P.; McClure, John R.; and Chow, Mark K., 4,799,625, Cl. 241-30.000.
Chow, Ming-Fea: *See—*
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Chow, Rose. Convertible bathing suit. 4,815,145, 3-28-89, Cl. 2-67.000.
Chow, San-Laung; and Raghunathan, Yegnaswami, to Fisons Corporation. Coatable ion exchange resins. 4,859,461, 8-22-89, Cl. 424-79.000.

Chow, San-Laung; and Raghunathan, Yegnaswami, to Fisons Corporation. Polymer-treated ion exchange resins. 4,859,462, 8-22-89, Cl. 424-79.000.
Chow, Steven W. H.: *See—*
  Liu, Frederick F.; and Chow, Steven W. H., 4,835,456, Cl. 324-61.00R.
Chow, Tat-Sing P.: *See—*
  Baliga, Bantval J.; Chow, Tat-Sing P.; and Chang, Hsueh-Rong, 4,823,176, Cl. 357-23.400.
  Chang, Hsueh-Rong; Baliga, Bantval J.; and Chow, Tat-Sing P., 4,801,986, Cl. 357-23.400.
  Wildi, Eric J.; and Chow, Tat-Sing P., 4,862,242, Cl. 357-48.000.
Chow, Tze-Show, to United States of America, Energy. Photon Calorimeter. 4,848,922, 7-18-89, Cl. 374-31.000.
Chow, Wai Y.; and McAlpin, James J., to Exxon Chemical Patents Inc. Composition for preparing cement—adhesive reinforcing fibers. 4,801,630, 1-31-89, Cl. 524-5.000.
Chow, Wai Y.: *See—*
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  McElrath, Kenneth O.; Robertson, Martha L.; and Chow, Wai Y., 4,839,422, Cl. 525-74.000.
Chow, William W.: *See—*
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Chow, Wing-Sun; Chen, Shirley C.; and Timmins, Peter. Complex of anti-fungal agent and cyclodextrin and method. 4,883,785, 11-28-89, Cl. 514-31.000.
Chow, Yu C.; Liao, Kuan-Yang; and Chin, Maw-Rong, to Hughes Aircraft Company. Plasma-nitridated self-aligned tungsten system for VLSI interconnections. 4,847,111, 7-11-89, Cl. 427-38.000.
Chow, Yung L.; and Chaudhuri, Sujeet K., to Canada, Her Majesty The Queen in right of, as represented by the Minister of National Defence. Radome-lens EHF antenna development. 4,872,019, 10-3-89, Cl. 343-753.000.
Chowdhry, Uma; Corbin, David R.; and Subramanian, Munirpallam A., to Du Pont de Nemours, E. I., and Company. Anorthite-cordierite based ceramics from zeolites. 4,814,303, 3-21-89, Cl. 501-119.000.
Chowdhury, Mofazzal H., to Alfa-Laval, Inc. Milk claw. 4,807,566, 2-28-89, Cl. 119-14.550.
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Choy, Clement K.; and Valachovic, Ellen E., to Clorox Company, The. Aqueous based acidic hard surface cleaner. 4,804,491, 2-14-89, Cl. 252-94.000.
Choy, Clement K., to Clorox Company, The. Timed-release bleach coated with an amine with reduced dye damage. 4,867,895, 9-19-89, Cl. 252-91.000.
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  Lewis, Sheldon N.; Choy, Clement K.; Mizusawa, Eugene A.; and Casella, Tracey L., 4,851,139, Cl. 252-8.800.
  Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., 4,882,917, Cl. 68-17.00A.
  Rebos, Paul F.; Mitchell, Frances E.; and Choy, Clement K., 4,842,757, Cl. 252-76.000.
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  Lauffer, Adelbert, 4,848,532, Cl. 198-456.000.
  Lauffer, Adelbert, 4,862,781, Cl. 83-477.100.
CHR Industries, Inc.: *See—*
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Chretien, Michel J. E., to MacGregor-Navire (F) S.A. Device for at least partly closing a vertical opening in a building and its use as a mechanical anti-freeze shutter. 4,811,777, 3-14-89, Cl. 160-201.000.
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Chrisman, Ray W.: *See—*
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Christ, F. Richard: *See—*
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  Reich, Cary J.; and Christ, F. Richard, 4,868,251, Cl. 525-479.000.
  Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., 4,880,426, Cl. 623-6.000.
  Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., 4,888,013, Cl. 623-6.000.
Christ, Hubertus; Niemann, Klaus; and Mehren, Herbert, to Daimler-Benz Aktiengesellschaft. Safety system on track guidance lines. 4,836,475, 6-6-89, Cl. 246-169.00R.
Christ, Stewart H.: *See—*
  Bellman, Alfred H., Jr.; Fowler, Mark A.; and Christ, Stewart H., 4,831,438, Cl. 358-108.000.
Christ, Thomas, to Monsanto Company. Solutions of hydrolytically stable polymeric acetal carboxylate salts and stable liquid detergent compositions containing such salts. 4,847,005, 7-11-89, Cl. 252-545.000.
Christ, Wilhelm; and von der Eltz, Hans-Ulrich, to Hoechst Aktiengesellschaft. Process for drying textile material in rope form. 4,829,620, 5-16-89, Cl. 8-149.100.
Christ, Wilhelm: *See—*
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  von der Eltz, Hans-Ulrich; and Christ, Wilhelm, 4,862,546, Cl. 8-149.100.
  von der Eltz, Hans-Ulrich; and Christ, Wilhelm, 4,885,814, Cl. 8-149.100.
Christel, Conrad, Jr.; and White, Donald H., Jr., to Pall Corporation. Adsorbent fractionator with automatic temperature-sensing cycle control and process. 4,832,711, 5-23-89, Cl. 55-20.000.
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Christen, Felix; and Kracher, Fritz, to Givaudan Corporation. Chewing gum with biscuit-like texture. 4,804,544, 2-14-89, Cl. 426-5.000.
Christen, Werner, to Draiswerke GmbH. Process for gluing wood chips and the like with liquid glue and apparatus for performing the process. 4,862,826, 9-5-89, Cl. 118-303.000.
Christensen, Able B., Jr., to Dow Chemical Company, The. Accelerometer mounting device. 4,823,602, 4-25-89, Cl. 73-661.000.
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Christensen, Borge H.; and Storm, Ebbe, to Damino A/S. Method of feeding ruminants. 4,820,527, 4-11-89, Cl. 426-2.000.
Christensen, Bruce C., to Wormald, U.S. Inc. Pressure equalizing valve. 4,877,057, 10-31-89, Cl. 137-625.480.
Christensen, Burton G.; Mrozik, Helmut; and Fisher, Michael H., to Merck & Co., Inc. Avermectin derivatives. 4,806,527, 2-21-89, Cl. 514-30.000.
Christensen, Burton G.; and Ratcliffe, Ronald W., to Merck & Co., Inc. Process for preparing 3-substituted-6-substituted-7-oxo-1-azabicycl(3.2.0)-hept-2-ene-2-carboxylic acid. 4,820,817, 4-11-89, Cl. 540-350.000.
Christensen, Burton G.; Chabala, John C.; and Ratcliffe, Ronald W., to Merck & Co., Inc. 2-aza-substituted 1-carbadethiapen-2-em-3-carboxylic acids. 4,833,167, 5-23-89, Cl. 514-210.000.
Christensen, Burton G.; Cama, Lovji D.; and Schmitt, Susan M., to Merck & Co., Inc. Process for chiral synthesis of 1-beta-methyl-carbapenem intermediates. 4,873,324, 10-10-89, Cl. 540-200.000.
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  Barash, Louis; Christensen, Burton G.; Hannah, John; Leanza, William J.; and Shih, David H., 4,839,352, Cl. 514-210.000.
Christensen, Clad P., Jr.; and Moutoulas, Christopher, to Potomac Photonics, Inc. High duty factor rare gas halide laser. 4,796,271, 1-3-89, Cl. 372-57.000.
Christensen, Daniel R. Swing couch. 4,838,609, 6-13-89, Cl. 297-277.000.
Christensen, Donald R.; Bateman, Robert; and Grancey, Thomas A., to Grass Valley Group, Inc., The. Audio mixer architecture using virtual gain control and switching. 4,885,792, 12-5-89, Cl. 381-119.000.
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  Hvilsted, Niels; Pedersen, Kaj; and Christensen, Finn D., 4,846,048, Cl. 92-5.00R.
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Christensen, Harold F.; Thomas, Jeffrey A.; Isozaki, Jeffrey; and Petolino, Joseph A., to Amdahl Corporation. Error detection and correction scheme for main storage unit. 4,852,100, 7-25-89, Cl. 371-38.000.
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Christensen, James M.; and Westerfield, David A., to Sutter Biomedical, Inc. Surgically implanted prosthesis. 4,871,367, 10-3-89, Cl. 623-21.000.
Christensen, Joel R.; and Rorer, Morris P., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,801,327, 1-31-89, Cl. 71-92.000.
Christensen, Joel R.; Cuomo, John; and Levitt, George, to Du Pont de Nemours, E. I., and Company. Thiophenesulfonamide herbicides. 4,877,440, 10-31-89, Cl. 71-90.000.

Christensen, Jon B., to Halliburton Company. Perforate, test and sample tool and method of use. 4,878,538, 11-7-89, Cl. 166-264.000.
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Christenson, Philip A.; Eilerman, Robert G.; and Drake, Brian J., to BASF Corporation. Oxo-ionol carbonates. 4,827,012, 5-2-89, Cl. 558-260.000.
Christenson, Philip A.; and Drake, Brian J., to BASF K & F Corporation. Alkyltetramethylcyclohexane derivatives and their use as perfumes. 4,868,339, 9-19-89, Cl. 568-376.000.
Christenson, Philip A.; Drake, Brian; and Riker, Paul J., to BASF K&F Corporation. Poly-alkylated benzodioxin musk compositions. 4,880,775, 11-14-89, Cl. 512-12.000.
Christenson, Ronald E., to McNeilus Truck and Manufacturing, Inc. Tag axle assembly with limit switch. 4,812,044, 3-14-89, Cl. 366-54.000.
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Christianson, Roy O.; and Christianson, Frank W., to Christianson Systems, Inc. Cyclone separator with accelerator plate for pneumatic conveyor. 4,887,936, 12-19-89, Cl. 406-171.000.
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  Christianson, Roy O.; and Christianson, Frank W., 4,887,936, Cl. 406-171.000.
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Christianson, Tony. Regulator second stage for scuba. 4,862,884, 9-5-89, Cl. 128-204.260.

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Christopher, S. Craig; and Whiting, Donel R., to Staley Electric Company. Motor vehicle washing system with automatic sequencing of different cleaning liquids. 4,848,384, 7-18-89, Cl. 134-57.00R.
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Metti, Robert H., 4,796,165, Cl. 362-80.000.
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Miller, Paul D., 4,796,464, Cl. 73-115.000.
Moir, William H., 4,829,979, Cl. 293-132.000.
Moulds, Julie M., 4,871,075, Cl. 211-13.000.
Moulds, Julie M., 4,874,098, Cl. 211-13.000.
Murray, Theodore L., 4,873,837, Cl. 62-199.000.
Nankee, Robert J., II; Frantz, Douglas C.; Tamm, James R.; and Gutermuth, Terry R., 4,821,701, Cl. 123-520.000.
Noble, Gardiner A., 4,846,129, Cl. 123-425.000.
Noble, William L., Sr., 4,819,816, Cl. 211-189.000.
Noble, William L., Sr., 4,837,911, Cl. 29-159.100.
Nogle, Thomas D., 4,871,887, Cl. 200-83.00R.
Pavur, Carol P., 4,809,872, Cl. 220-307.000.
Perkins, E. James, 4,812,612, Cl. 219-89.000.
Peveto, Johnnie E., 4,886,467, Cl. 439-192.000.
Russell, Ronald W.; and Cox, Larry R., 4,888,854, Cl. 16-266.000.
Smith, Robert H., 4,813,704, Cl. 280-692.000.
Sway-Tin, Min; Merchant, Daniel P.; and Manghers, Thomas J., 4,888,637, Cl. 357-81.000.
Sweers, Michael J., 4,822,092, Cl. 296-63.000.
Thomas, Robert M., 4,887,331, Cl. 16-2.000.
Van Hout, James E.; and Dziekan, Lee M., 4,883,932, Cl. 200-339.000.
Viscome, Dennis M.; and Schwartz, Wilbur E., 4,813,722, Cl. 292-216.000.
Watson, James A., 4,838,197, Cl. 116-28.100.
Chrysler, Ralph W., to Row Runner Corp. of America. Apparatus for removing plastic film from raised plant beds. 4,796,711, 1-10-89, Cl. 171-1.000.
Chrystie, Henry. Non-inductive radio apparatus. 4,833,419, 5-23-89, Cl. 330-59.000.
Chu, Alan C. Bamboo board. 4,810,551, 3-7-89, Cl. 428-106.000.
Chu, Albert M.; and Griffin, William R., to International Business Machines Corporation. Transistor delay circuits. 4,812,688, 3-14-89, Cl. 307-605.000.
Chu, Alexander H. T.; and Levi, M. James, to Pitman-Moore, Inc. Lysocellin solids purification process. 4,871,866, 10-3-89, Cl. 549-414.000.
Chu Associates, Inc.: See—
Sikina, Thomas V., Jr., 4,835,542, Cl. 343-802.000.
Chu Bo Can, to Capital Wire & Cable Corporation. Insulated electrical products and processes of forming such products. 4,806,425, 2-21-89, Cl. 428-379.000.
Chu, Chaokang: See—
Repetti, Ronald V.; Yaeger, Scott P.; and Chu, Chaokang, 4,820,460, Cl. 264-41.000.
Chu, Chung K.; and Schinazi, Raymond F., to Emory University and University of Georgia Research Foundation, Inc. 2',3'-dideoxy-5-substituted uridines and related compounds as antiviral agents. 4,841,03 6-20-89, Cl. 536-29.000.
Chu, Cornel, to Hi Tech Industries, Ltd. Paper holder. 4,836,40 6-6-89, Cl. 248-442.200.
Chu, Cynthia T-W., to Mobil Oil Corporation. Process for the conversion of lower aliphatic oxygenates to olefins and aromatics with gallium containing ZSM-5 catalyst. 4,822,939, 4-18-89, C 585-408.000.
Chu, Cynthia T-W.: See—
Chang, Clarence D.; Chu, Cynthia T-W.; and Lee, Carol S., 4,837,398, Cl. 502-86.000.
Chang, Clarence D.; Chu, Cynthia T-W.; Lee, Carol S.; and Partridge, Randall D., 4,871,702, Cl. 502-86.000.
Chang, Clarence D.; Chu, Cynthia T-W.; Chu, Pochen; Dessau, Ralph M.; Garwood, William E.; Kuehl, Guenter H.; Miale, Joseph N.; and Shihabi, David S., 4,876,228, Cl. 502-71.000.
Valyocsik, Ernest W.; Page, Nancy M.; and Chu, Cynthia T-W., 4,873,067, Cl. 423-279.000.
von Ballmoos, Roland; Chu, Cynthia T-W.; Landis, Michael E.; and Derouane, Eric G., 4,880,611, Cl. 423-306.000.
Chu, Daniel T.; and Rosen, Terry J., to Abbott Laboratories. (S)-7-(3-aminopyrrolidin-1-yl)-1-(ortho, para-difluorophenyl)-1,4-dihydro-6-fluoro-4-oxo-1,8-naphthyridine-3-carboxylic acid and method for its preparation. 4,859,776, 8-22-89, Cl. 546-123.000.
Chu, Daniel T.; Rosen, Terry J.; and Cooper, Curt S., to Abbott Laboratories. 7-cycloalkyl naphthyridines. 4,880,814, 11-14-89, C 514-300.000.
Chu, Daniel T.: See—
Mitscher, Lester A.; and Chu, Daniel T., 4,826,985, Cl. 546-156.000.
Chu, Fun S.; Wei, Ru-Dong; and Zhang, Guang S., to Wisconsin Alumni Research Foundation. Assay for trichothecenes. 4,879,24 11-7-89, Cl. 436-543.000.
Chu, George. Universal swivel having a driving handle and valve means. 4,823,835, 4-25-89, Cl. 137-557.000.
Chu, George. Pneumatic tool holder. 4,864,727, 9-12-89, Cl. 30-272.1
Chu, George; Nathan, Ranga; and Seyedin, Saeid, to Collagen Corporation. Inductive collagen-based bone repair preparations. 4,888,36 12-19-89, Cl. 523-115.000.
Chu, George H.: See—
Piez, Karl A.; Pharriss, Bruce B.; Chu, George H.; Smestad, Thomas L.; and Hendricks, Diana, 4,795,467, Cl. 623-16.000.
Smestad, Thomas L.; Prows, Daniel; Chu, George H.; and Hendricks, Diana M., 4,865,602, Cl. 623-16.000.
Chu, George K.; Fandrianto, Jan; and Sing, Y. W., to Weitek Corporation. Floating point unit using combined multiply and ALU functions. 4,866,652, 9-12-89, Cl. 364-748.000.
Chu, Hong C.: See—
Tran, Chinh N.; Chu, Hong C.; and Light, William G., 4,830,8 Cl. 427-245.000.
Chu, Humbert H.; and Massie, Stephen N., to Shell Oil Company. Removal of HCN, and HCN and COS, from a substantially chloride-free gaseous stream. 4,810,475, 3-7-89, Cl. 423-236.000.
Chu, Humbert H., to Shell Oil Company. Removal of hydrogen sulfide from a carbon dioxide containing gas mixture. 4,822,576, 4-18-89, C 423-228.000.
Chu, Jen-Yeh. Vane type rotary compressor. 4,877,384, 10-31-89, C 418-184.000.
Chu, Kam C. Door lock. 4,845,471, 7-4-89, Cl. 340-542.000.
Chu, Kenneth C., to Du Pont Canada Inc. Polyolefin concentrate. 4,877,840, 10-31-89, Cl. 525-240.000.
Chu, Li, to Institute of Rock & Soil Mechanics Academia Sinica. The Inductance strain gauge. 4,890,084, 12-26-89, Cl. 336-30.000.
Chu, Matthew M.: See—
McCrimmon, Kenneth A., Jr.; and Chu, Matthew M., 4,854,756, C 400-322.000.
Chu, Michael S. H., to Tam Ceramics, Inc. Dielectric ceramic composition. 4,816,430, 3-28-89, Cl. 501-137.000.
Chu, Mike S. H.; Hodgkins, Charles E.; and Dean, Terence C., to TAM Ceramics, Inc. Dielectric ceramic composition with high dielectric constant and flat TC characteristics. 4,882,305, 11-21-89, C 501-138.000.
Chu, Ming Y. W.: See—
Calabresi, Paul; Wiemann, Michael C.; and Chu, Ming Y. W., 4,874,602, Cl. 424-10.000.
Chu, Mosi; Graziano, Anthony; and Kress, Kenneth, to Primages, Inc. Printer ribbon cartridge with means for transversely displacing ribbon during advance. 4,840,504, 6-20-89, Cl. 400-213.000.
Chu, Mosi, to Primages, Inc. Piezoelectric controlled electromagnetically driven printing. 4,886,380, 12-12-89, Cl. 400-121.000.
Chu, Paul P. L.: See—
Moller, Ole H.; Iyer, Sanjay; and Chu, Paul P. L., 4,868,735, C 364-200.000.
Chu, Pochen; and Mizrahi, Sadi, to Mobil Oil Corp. High equilibrium activity additive catalyst for catalytic cracking. 4,818,738, 4-4-89, C 502-67.000.
Chu, Pochen, to Mobil Oil Corporation. Zeolite catalyst of improved hydrothermal stability. 4,845,063, 7-4-89, Cl. 502-60.000.
Chu, Pochen; and Schwartz, Albert B., to Mobil Oil Corporation. Zeolite catalyst composition and synthesis method. 4,868,14 9-19-89, Cl. 502-71.000.

Chu, Pochen; Green, Larry A.; and Landis, Michael E., to Mobil Oil Corporation. Layered titanate containing interspathic silica catalysts. 4,889,839, 12-26-89, Cl. 502-242.000.
Chu, Pochen: See—
Angevine, Philip J.; Chu, Pochen; Degnan, Thomas F.; and Kirker, Garry W., 4,834,869, Cl. 208-213.000.
Chang, Clarence D.; Chu, Cynthia T-W.; Chu, Pochen; Dessau, Ralph M.; Garwood, William E.; Kuehl, Guenter H.; Miale, Joseph N.; and Shihabi, David S., 4,876,228, Cl. 502-71.000.
Landis, Michael E.; Aufdembrink, Brent A.; Chu, Pochen; Johnson, Ivy D.; Kirker, Garry W.; Page, Nancy M.; and Rubin, Mae K., 4,859,648, Cl. 502-242.000.
Chu, Russell. Octet space frame structure and components for assembling such space frames. 4,869,041, 9-26-89, Cl. 52-646.000.
Chu, Shao-Chun. Anatomical educational amusement ride. 4,865,550, 9-12-89, Cl. 434-267.000.
Chu, Shaw-Chang, to Mobil Oil Corporation. Blends and molded articles comprising methacrylate polymers and vinylidene fluoride-hexafluoropropylene copolymer. 4,824,911, 4-25-89, Cl. 525-199.000.
Chu, Shaw-Chang, to Mobil Oil Corporation. Linear polyethylene, fluorocarbon polymer and polyalkylsiloxane compositions, and improved method of film extrusion using same. 4,837,275, 6-6-89, Cl. 525-104.000.
Chu, Shiao J.: See—
Chen, Po Y.; Chu, Shiao J.; Chen, Mei C.; Chang, Nan S.; and Lin, Wen C., 4,801,752, Cl. 564-401.000.
Chu, Shu-Chen: See—
Lin, J. Y.; Hsieh, Yih-Shou; and Chu, Shu-Chen, 4,855,055, Cl. 210-635.000.
Chu, Stephen H.: See—
Herschitz, Roman; Demarest, Scott T.; Chu, Stephen H.; and Leung, John G., 4,849,600, Cl. 219-110.000.
Chu, Sung G.; Jabloner, Harold; and Swetlin, Brian J., to Hercules Incorporated. Thermosetting epoxy resin compositions and thermosets therefrom. 4,822,832, 4-18-89, Cl. 523-423.000.
Chu, Tak-Kin; and Santiago, Francisco, to United States of America, Navy. Method of sensitizing Pb-salt epitaxial films for schottky diodes. 4,853,339, 8-1-89, Cl. 437-2.000.
Chu, Tak-Kin; and Santiago, Francisco, to United States of America, Navy. Sensitization pretreatment of Pb-salt epitaxial films for Schottky diodes by sulfur vapor exposure. 4,870,027, 9-26-89, Cl. 437-3.000.
Chu, Ven-Chung. Multi-function automatic revolving christmas tree base. 4,890,808, 12-26-89, Cl. 307-149.000.
Chu, Yen C.; Bertcevich, Edward N.; and Soldenwagner, Max J., to FMC Corporation. Frame fixture for camouflage painting. 4,800,838, 1-31-89, Cl. 118-505.000.
Chu, Yuan C.; and Brauer, Melvin, to CasChem, Inc. Amine containing polyurethane compositions for separatory devices. 4,865,735, 9-12-89, Cl. 210-321.610.
Chu, Yuan C.; and Brauer, Melvin, to CasChem, Inc. Moisture and glycerine resistant polyurethane compositions for separatory devices. 4,886,600, 12-12-89, Cl. 210-321.800.
Chu, Yung F., to Mobil Oil Corporation. Process for ZSM-11 production. 4,847,055, 7-11-89, Cl. 423-328.000.
Chu, Yung F.; Marler, David O.; and McWilliams, John P., to Mobil Oil Corporation. Transalkylation of polyaromatics. 4,885,426, 12-5-89, Cl. 585-474.000.
Chu, Yung F.: See—
Baillargeon, David J.; and Chu, Yung F., 4,822,941, Cl. 585-417.000.
Chua, David L.: See—
Doddapaneni, Narayan; Chua, David L.; Hoff, Gerald F.; and Jensen, James D., 4,822,700, Cl. 429-50.000.
Chua, Hunter: See—
Chu, Chung-Wai; and Chua, Hunter, 4,871,572, Cl. 426-557.000.
Chua, Leon O.; and Sugawara, Isutomu, to University of California, The Regents of the. Real-time N-dimensional analog signal rotator. 4,819,200, 4-4-89, Cl. 364-841.000.
Chuan, Chang C. Bottle closure system. 4,804,099, 2-14-89, Cl. 215-279.000.
Chuan, Chang C. Structure of a container and closure. 4,886,185, 12-12-89, Cl. 220-307.000.
Chuan, Chuang T.; and Cheng, Der C., to Ta Yu Electric Co., Ltd. Simulative candle. 4,839,780, 6-13-89, Cl. 362-265.000.
Chuan Erh Industrial Co., Ltd.: See—
Tseng, Ray L., 4,856,229, Cl. 49-56.000.
Chuan, Jou H. Hook for releasably attaching to at least one end. 4,831,692, 5-23-89, Cl. 24-300.000.
Chuan-Tien, Chuang. Wishing game. 4,861,026, 8-29-89, Cl. 273-1.0GD.
Chuang, Ching-Te K.; Hackbarth, Edward; and Tang, Denny D., to International Business Machines Corporation. Radiation hardened bipolar static RAM cell. 4,864,539, 9-5-89, Cl. 365-155.000.
Chuang, Chun-Hua: See—
Pann, John; Tarnowski, Thomas L.; Berger, Donald; Chang, Chiu C.; and Chuang, Chun-Hua, 4,830,786, Cl. 260-396.00N.
Chuang, Cliff, to Prospects Corp. Automatic motor vehicle visor system. 4,874,938, 10-17-89, Cl. 250-203.00R.
Chuang, Cliff L. Automatic venting system. 4,852,469, 8-1-89, Cl. 98-2.010.
Chuang, Henry Y. H.; and He, Guo, to University of Pittsburgh. Pipeline feedback array sorter with multi-string sort array and merge tree array. 4,799,152, 1-17-89, Cl. 364-200.000.
Chuang, Jo-Yu, to TRW Inc. Elliptical thread design. 4,799,844, 1-24-89, Cl. 411-414.000.
Chuang, Jo-Yu, to Sandvik Rock Tools, Inc. Pilot-valve-controlled percussion drilling tool. 4,878,550, 11-7-89, Cl. 175-296.000.
Chuang, Jui-Chang; Cottrell, Ian W.; and Johnson, Stephen C., to GAF Corporation. Heterocyclic containing cellulosic graft polymers. 4,831,097, 5-16-89, Cl. 527-312.000.
Chuang, Patrick T.; Yau, Robert L.; Yoshida, Hiroshi; and Wang, Moon-Yee, to Advanced Micro Devices, Inc. Content addressable memory array system with multiplexed status and command information. 4,888,731, 12-19-89, Cl. 365-49.000.
Chuang, Patrick T.; Yau, Robert L.; Yoshida, Hiroshi; and Wang, Moon-Yee, to Advanced Micro Devices. Content addressable memory array with maskable and resettable bits. 4,890,260, 12-26-89, Cl. 365-49.000.
Chuang, Rong-Chao. Regulator means for automatically shutting the gas pipeline passage off during pressure reducing failure. 4,836,247, 6-6-89, Cl. 137-624.120.
Chuang, Shoon-Tsair. Shoes used for snow and slip-proof. 4,825,562, 5-2-89, Cl. 36-5[illegible].000.
Chuang, Show-Zone: See—
Wu, Chia-Hsien; Chuang, Show-Zone; Chien, Wei-Shyan; and Feng, Teng-Chih, 4,864,726, Cl. 30-90.100.
Chuang, Thomas C.; and Walters, Kenneth E., to Du Pont de Nemours, E. I., and Company. Laminar flow toning station having conductive and nonconductive elements therein. 4,851,317, 7-25-89, Cl. 430-119.000.
Chuang, Wen L. Braking mechanism for bicycle stem. 4,830,389, 5-16-89, Cl. 280-264.000.
Chuang, William J. Simulated eyebrow applicator. 4,858,631, 8-22-89, Cl. 132-218.000.
Chuangtian, Chen; Yicheng, Wu; Aidong, Jiang; Bochang, Wu; and Guming, You, to Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences. LiB_3O_5 crystal and its nonlinear optical devices. 4,826,283, 5-2-89, Cl. 350-96.120.
Chuba, Christian J.; Walden, Charles R., Jr.; Grecco, Joseph J.; and Feinstein, Jeffrey I., to Dialogic Corporation. Detection of single-frequency signals. 4,849,688, 7-18-89, Cl. 324-78.00R.
Chubb, Charles F.: See—
DiMatteo, Paul; Chubb, Charles F.; and Senator, Stewart, 4,796,313, Cl. 5-81.00R.
DiMatteo, Paul; Chubb, Charles F.; and Segnini, Robert, 4,813,088, Cl. 5-81.00R.
DiMatteo, Paul; Chubb, Charles F.; and Segnini, Robert, 4,819,283, Cl. 5-81.00R.
DiMatteo, Paul; Chubb, Charles F.; and Segnini, Robert, 4,821,352, Cl. 5-81.00R.
DiMatteo, Paul; and Chubb, Charles F., 4,837,873, Cl. 5-81.00R.
Vaiana, Joseph G.; DiMatteo, Paul; and Chubb, Charles F., 4,797,960, Cl. 5-81.00R.
Chubb Corporation, The: See—
Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, 4,831,526, Cl. 364-401.000.
Chubb Fire Security division of Racal-Chubb Canada Inc.: See—
Woodman, Stuart D., 4,862,968, Cl. 169-75.000.
Chubb & Son's Lock and Safe Co., Ltd.: See—
Franklin, Roy W.; and Luckett, Nicholas G., 4,850,623, Cl. 292-144.000.
Chubb, Walston, to Westinghouse Electric Corp. PCI resistant fuel and method and apparatus for controlling reactivity in a reactor core. 4,818,477, 4-4-89, Cl. 376-419.000.
Chubu Electric Power Co., Inc.: See—
Kawamoto, Ryuichi; Sakakibara, Shigeru; Wakahara, Kazuyuki; and Nebashi, Ikutoshi, 4,869,427, Cl. 236-12.120.
Chuchanis, Theodore, to Rogers Industrial Products. Bag control mechanism for tire press. 4,863,360, 9-5-89, Cl. 425-48.000.
Chuchem, David: See—
Rosenwaks, Salman; Levin, Lawrence A.; and Chuchem, David, 4,807,244, Cl. 372-89.000.
Chucholowski, Alexander W.; Roth, Bruce D.; and Sliskovic, Drago R., to Warner-Lambert Company. 6-[[Substituted)pyrimidinyl]ethyl]- and ethenyl]tetrahydro-4-hydroxypyran-2-one inhibitors of cholesterol biosynthesis. 4,868,185, 9-19-89, Cl. 514-256.000.
Chuchua, Brian N. Shackle for use in limiting the movement of an end of a leaf spring in a wheeled vehicle. 4,872,653, 10-10-89, Cl. 267-271.000.
Chucta, Thomas M., to Uniroyal Chemical Company, Inc. Polypropylene stabilized against oxidative degradation with mixtures of diarylamine derivatives and sterically hindered phenols. 4,837,259, 6-6-89, Cl. 524-258.000.
Chucta, Thomas M.: See—
Capotapo, Janet D.; and Chucta, Thomas M., 4,[illegible]1,511, Cl. 174-110.0PM.
Chudakov, Stanislav. Hydraulic valve with integrated solenoid. 4,848,721, 7-18-89, Cl. 251-30.020.
Chudy, John S.; Kniffin, M. John; and McNeil, D. Yvonne, to Ford Aerospace & Communications Corporation. Multi-detector dewar. 4,833,898, 5-30-89, Cl. 62-51.100.
Chudy, John S.: See—
Roberts, Dudley A.; and Chudy, John S., 4,850,041, Cl. 455-604.000.
Chudzik, Stephen J.: See—
Guire, Patrick E.; and Chudzik, Stephen J., 4,826,759, Cl. 435-4.000.
Chugai Denki Kogyo K.K.: See—
Shibata, Akira, 4,803,322, Cl. 200-268.000.

- Chugai Ro Co., Ltd.: *See*—
  - Kashiwadani, Nobuo; and Ohta, Hitoshi, 4,836,980, Cl. 419-36.000.
  - Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, 4,807,853, Cl. 266-81.000.
  - Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, 4,836,864, Cl. 148-16.500.
  - Murakami, Koji; Higeta, Kazuya; and Touchi, Hachiro, 4,881,185, Cl. 364-557.000.
  - Terasaka, Yoshiyasu; and Tanabe, Masao, 4,852,515, Cl. 118-663.000.
  - Ushijima, Shigemi, 4,820,150, Cl. 432-121.000.
- Chugai Seiyaku Kabushiki Kaisha: *See*—
  - Honda, Masamitsu; Morikawa, Kazumi; and Endoh, Kohichi, 4,822,892, Cl. 548-402.000.
  - Iida, Yoshimitsu; Terazono, Takashi; and Sumida, Shuji, 4,803,213, Cl. 514-355.000.
  - Iida, Yoshimitsu; and Sumida, Shuji, 4,822,808, Cl. 514-355.000.
  - Kawaguchi, Tsutomu; and Shimoda, Naoto, 4,806,524, Cl. 514-8.000.
  - Koga, Hiroshi; Mori, Takashi; Dan, Takashi; and Akima, Michitaka, 4,816,479, Cl. 514-455.000.
  - Machida, Minoru; and Arakawa, Masayuki, 4,853,226, Cl. 424-426.000.
  - Miwa, Kohtaro; Igusa, Kazuo; and Ogasawara, Toshichika, 4,871,772, Cl. 514-573.000.
  - Nemoto, Kaoru; Igusa, Kazuo; and Ogasawara, Toshichika, 4,836,957, Cl. 260-397.200.
  - Noda, Yukifumi; and Nabata, Hiroyuki, 4,870,090, Cl. 514-355.000.
  - Ono, Masayoshi; and Nomura, Hitoshi, 4,833,127, Cl. 514-21.000.
  - Shimoda, Naoto; and Kawaguchi, Tsutomu, 4,879,272, Cl. 514-8.000.
  - Takagi, Mitiro; Katoh, Yasuyuki; and Yamazaki, Tomatsu, 4,855,497, Cl. 564-182.000.
- Chugoku Kayaku Kabushiki Kaisha: *See*—
  - Hirose, Joji; and Uchida, Akira, 4,869,849, Cl. 261-78.200.
- Chui, Granger K.: *See*—
  - Ting, Loi-Lou; Chui, Granger K.; and King, Edward T., 4,856,466, Cl. 123-90.330.
- Chuit, Claude: *See*—
  - Corriu, Robert; Cerveau, Genevieve; Chuit, Claude; Reye, Catherine; and Boudin, Alain, 4,835,316, Cl. 564-505.000.
- Chuit, Claude G.: *See*—
  - Corriu, Robert J.; Cerveau, Genevieve E.; Chuit, Claude G.; and Reye, Catherine, 4,841,084, Cl. 556-464.000.
- Chujo, Masaki: *See*—
  - Tamura, Toru; Chujo, Masaki; and Jinnouchi, Kazuharu, 4,823,758, Cl. 123-564.000.
- Chujo, Noboru; and Mori, Shigeo, to Dai-Ichi Kogyo Seiyaku Co., Ltd. Method for production of modified polyesters. 4,845,186, 7-4-89, Cl. 528-272.000.
- Chujo, Yoshiki; Inoue, Tokuta; Konomi, Toshiaki; and Hyodo, Yoshihiko, to Toyota Jidosha Kabushiki Kaisha. Engine control system. 4,836,174, 6-6-89, Cl. 123-571.000.
- Chukoh Chemical Industries, Ltd.: *See*—
  - Motonari, Kazunori; Kumamoto, Kazuo; Turuda, Shigeto; Ito, Yutaka; and Mitsutake, Taiichiro, 4,801,506, Cl. 428-421.000.
  - Yokoyama, Shigeki; Kamiya, Takeshi; Niikawa, Takeo; Nagase, Masakatsu; and Kuroishi, Tetujiro, 4,812,355, Cl. 428-215.000.
- Chul-Jin, Kim: *See*—
  - Dongil, Song; Chul-Jin, Kim; and Byung-Jin, Kim, 4,819,062, Cl. 358-31.000.
- Chum, Stephen P.: *See*—
  - Rubens, Louis C.; and Chum, Stephen P., 4,804,507, Cl. 264-50.000.
- Chuma, Hiromune: *See*—
  - Sukimoto, Minobu; Chuma, Hiromune; and Tachi, Teruo, 4,805,435, Cl. 72-283.000.
- Chumachenko, Viktor A.: *See*—
  - Matros, Jury S.; Chumachenko, Viktor A.; Zudilina, Ljudmila J.; Noskov, Alexandr S.; and Bugdan, Evgeny S., 4,877,592, Cl. 423-245.100.
- Chuman, Tatsuji; Guss, Paul L., deceased (by Guss, Patricia, executrix); Doolittle, Robert E.; McLaughlin, John R.; and Tumlinson, James H., III, to United States of America, Agriculture. 6,12-dimethylpentadecan-2-one and its use in monitoring and controlling the banded cucumber beetle. 4,871,537, 10-3-89, Cl. 424-84.000.
- Chumley, Dexter W.; and Miller, Fredrick O., to Sandusky Plastics, Inc. Tamper evident container lid and method of making the same. 4,881,656, 11-21-89, Cl. 220-270.000.
- Chumley, Norris J. Method for causing large numbers of telephones to dial the same telephone numbers. 4,847,886, 7-11-89, Cl. 379-56.000.
- Chun-cheng, Huang, to Teh Yor Industrial Co., Ltd. Cutter, in particular for a slat, especially of a venetian blind. 4,876,795, 10-31-89, Cl. 30-254.000.
- Chun, Chung-Hwan; and Koppenwallner, Georg, to Deutsche Forschungs- und Versuchsanstalt fur Luft- und Raumfahrt e.V. Process and appliance for conveying liquid or gaseous fluids. 4,813,851, 3-21-89, Cl. 417-54.000.
- Chun, Duk K. Toilet odor filter assembly. 4,876,748, 10-31-89, Cl. 4-213.000.
- Chun-Hoi, Lo; and Kim, Douglas S. T., to Kim, Douglas S. T. Dancing keiki dolls. 4,824,416, 4-25-89, Cl. 446-298.000.
- Chun, Jino: *See*—
  - Norwood, Roger D.; Chun, Jino; and Patel, Pravin P., 4,876,671, Cl. 365-233.000.
- Chun, Joong H. Computer aided custom tailoring with disposable measurement clothing. 4,885,844, 12-12-89, Cl. 33-15.000.
- Cnun-Min, Hiekyung: *See*—
  - Teng, Chih-Sieh; Liou, Tian-I; and Chun-Min, Hiekyung, 4,877,751, Cl. 437-47.000.
- Chun, Victor: *See*—
  - Hunter, James R.; and Chun, Victor, 4,865,310, Cl. 271-296.000.
- Chun Yip Silver Ware Limited: *See*—
  - Yip, Chun-Kuen; and Yip, Chun-Tong, 4,816,003, Cl. 446-419.000.
- Chung, Alfred: *See*—
  - Ryan, James W.; and Chung, Alfred, 4,801,721, Cl. 548-411.000.
  - Ryan, James W.; and Chung, Alfred, 4,833,152, Cl. 514-362.000.
- Chung, Andrew, to Eastman Kodak Company. Solderless circuit connection for bowed circuit board. 4,832,609, 5-23-89, Cl. 439-67.000.
- Chung, Andrew Ho: *See*—
  - Kong, King-Leung, 4,829,572, Cl. 381-41.000.
- Chung, C. S. Non-toxic detergent for cleaning fruit and vegetables 4,808,330, 2-28-89, Cl. 252-170.000.
- Chung, Chan I., to Dow Chemical Company, The. Dimethyl sulfone as a solid solvent for vinylidene chloride containing polymers 4,843,117, 6-27-89, Cl. 524-173.000.
- Chung, Chang-Hwa: *See*—
  - Smith, Robert T.; and Chung, Chang-Hwa, 4,860,088, Cl. 357-69.000.
- Chung, Chang L. Multi-purpose presence grooming implement 4,864,735, 9-12-89, Cl. 34-90.000.
- Chung, Chi H.; Rees, Theodore D.; and Turner, Ian, to Laserdrive Ltd Apparatus and method for detecting and compensating for pit extension in an optical disk recording system. 4,873,680, 10-10-89, Cl. 369-59.000.
- Chung, Chih-Hua: *See*—
  - Miller, Les A.; Tabanfar, Shahin; and Chung, Chih-Hua, 4,832,57 Cl. 417-18.000.
- Chung, Ching-Fu: *See*—
  - Chen, Inn-Ming; Shyy, Yeu-Hwa; Chung, Ching-Fu; Hwang Dar-Jong; Yeh, Jenq-Chang; and Wu, Hsu-Lung, 4,866,629, Cl. 364-468.000.
- Chung, David Y., to Exxon Chemical Patents Inc. Ethylene copolymer viscosity index improver dispersant additive useful in oil compositions. 4,803,003, 2-7-89, Cl. 252-51.50A.
- Chung, Dennis E.: *See*—
  - Chung, Yun H.; and Chung, Dennis E., 4,813,545, Cl. 206-621.000.
- Chung, Dong K.; and Jones, Charles E., Jr., to Rockwell International Corporation. Method of cleaning a spent fuel assembly. 4,828,76 5-9-89, Cl. 252-627.000.
- Chung, Frank H. Y. Process for preparing an antistaling agent for baked goods. 4,851,234, 7-25-89, Cl. 426-7.000.
- Chung, Fred C.; and Clark, Ross P., to Memorex Corporation. Fabrication of magnetic recording medium with lubricant. 4,822,637, 4-18-89, Cl. 427-128.000.
- Chung, Harold S.; Silverman, Alan J.; and Yan, Tsoung Y., to Mobil Oil Corporation. Process for the liquefaction of natural gas. 4,813,98 3-21-89, Cl. 62-12.000.
- Chung, Hyun T.; and Hong, Sung C., to Gold Star Co., Ltd. Tape cassette loading device. 4,795,109, 1-3-89, Cl. 242-198.000.
- Chung, Jackson. Combination accessory drive and speed reducer 4,878,401, 11-7-89, Cl. 74-781.00R.
- Chung, Jae Heon, to Sindo Ricoh Co., Ltd. Device for sorting copied papers. 4,822,025, 4-18-89, Cl. 271-296.000.
- Chung, Jing-Yau. Food wrapper article. 4,844,920, 7-4-89, Cl. 426-94.000.
- Chung, Jore M.: *See*—
  - Auer, Robert T.; Keats, Richard L.; and Chung, Jore M., 4,889,5 Cl. 446-230.000.
- Chung, Kenneth: *See*—
  - Gordon, Harry W.; and Chung, Kenneth, 4,842,610, Cl. 8-160.000.
- Chung, Ki Ho, to Samhwa Electric Industrial Co., Ltd. Safety device for telecommunication equipment. 4,851,957, 7-25-89, Cl. 361-124.000.
- Chung, Koo-Heung; and Verhoff, Francis H., to Miles Inc. Method for the preparation of a hydrophobic enzyme-containing composition and the composition produced thereby. 4,849,357, 7-18-89, Cl. 435-188.000.
- Chung, Ku S., to Samsung Electronics Co., Ltd. Corner construction for joining angularly related members. 4,809,859, 3-7-89, Cl. 22 4.00R.
- Chung, Li C. Sunglasses in combination with cap visor. 4,869,58 9-26-89, Cl. 351-158.000.
- Chung, Nan Y. Method and apparatus for tabbing tape. 4,828,64 5-9-89, Cl. 156-511.000.
- Chung, Nan Y. Method of tabbing pressure sensitive tape. 4,867,83 9-19-89, Cl. 156-267.000.
- Chung, Paul W.; and Wang, Niantsu N., to International Business Machines Corporation. Dynamic edge-triggered latch. 4,808,84 2-28-89, Cl. 307-290.000.
- Chung, Paul W.; and Saber, Paik, to International Business Machines Corporation. Temperature stable voltage controlled oscillator with super linear wide frequency range. 4,812,784, 3-14-89, Cl. 331-113.00R.
- Chung, Paul W.; and Wang, Niantsu N., to International Business Machines Corporation. High speed CMOS differential driver 4,859,880, 8-22-89, Cl. 307-49[illegible].000.
- Chung, Rack H.; Swiger, Roger T.; and Beers, Melvin D., to General Electric Company. Novel Scavengers for one-component RTV compositions. 4,839,453, 6-13-89, Cl. 528-18.000.
- Chung, Randall M.; and Masters, Bradley S., to Western Digital Corporation. CMOS circuit with racefree single clock dynamic logic 4,841,174, 6-20-89, Cl. 307-469.000.

- Chung, Samuel S.; Rehkopf, Charles H.; Reigel, Franklin G.; Siefker, Doanld L.; and Stowe, James R., to North American Philips Consumer Electronics Corp. Aging process for cathode ray tubes. 4,832,646, 5-23-89, Cl. 445-6.000.
- Chung, Seung T.; Kwon, Hae W.; and Park, Tae S., to Samsung Electronics Co., Ltd. Laser drum for use in recording and reproducing information on optical tapes. 4,807,213, 2-21-89, Cl. 369-46.000.
- Chung Shan Institute of Science and Technology: *See*—
  - Hsu, Je-Jung; and Chen, Hsing-Hai, 4,849,366, Cl. 437-42.000.
- Chung, Shine C.; Tsang, Siu K.; Koo, James T.; Chen, Sho Long S.; and Chan, John Y., to Vitelic Corporation. Counting RAM. 4,837,748, 6-6-89, Cl. 365-236.000.
- Chung, Tai-Shung; Chen, Paul N., Sr.; and Provino, Vincent J., to Hoechst Celanese Corporation. Membranes prepared from blend of polybenzimidazole with polyarylates. 4,842,740, 6-27-89, Cl. 210-500.270.
- Chung, Tai-Shung: *See*—
  - McMahon, Paul; Chung, Tai-Shung; and Ying, Lincoln, 4,874,563, Cl. 264-29.200.
  - McMahon, Paul E.; and Chung, Tai-Shung, 4,799,985, Cl. 156-166.000.
  - McMahon, Paul E.; Chung, Tai-Shung; and Ying, Lincoln, 4,818,318, Cl. 156-166.000.
  - McMahon, Paul E.; Chung, Tai-Shung; and Ying, Lincoln, 4,871,491, Cl. 264-29.200.
- Chung, Tat K.: *See*—
  - Moorhouse, Harry R.; Jensen, Robert M.; and Chung, Tat K., 4,834,059, Cl. 124-67.000.
- Chung, Tze-Chiang, to Exxon Research & Engineering Co. Polyalcohol homopolymers. 4,812,529, 3-14-89, Cl. 525-326.100.
- Chung, Tze-Chiang, to Exxon Research and Engineering Company. Polyalcohol homopolymers. 4,877,846, 10-31-89, Cl. 525-369.000.
- Chung Yang Company, Ltd.: *See*—
  - Yong, Chin S., 4,833,746, Cl. 7-100.000.
- Chung, Yun H.; and Chung, Dennis E., to MPR Corporation. Rectangular paperboard package. 4,813,545, 3-21-89, Cl. 206-621.000.
- Chuo Hatsujo Kabushiki Kaisha: *See*—
  - Muramatsu, Tadao; Hoshino, Shigeru; Suzuki, Kenichi; and Yamamuro, Shinichi, 4,884,468, Cl. 74-502.400.
  - Yamamoto, Kazuo; Ono, Katsuyasu; and Yamamuro, Shinichi, 4,840,402, Cl. 280-804.000.
- Chuo Kagaku Kabushiki Kaisha: *See*—
  - Natori, Eiji, 4,805,797, Cl. 220-306.000.
- Chuo Precision Industrial Co., Ltd.: *See*—
  - Takada, Koji; Magara, Kenji; and Nishiyama, Yuzuru, 4,847,511, Cl. 250-561.000.
- Chuorika Co., Ltd.: *See*—
  - Yamada, Katsumi, 4,865,459, Cl. 366-270.000.
- Chupka, David E.; and Landegger, Carl C., to Black Clawson Company, The. Screen plates. 4,795,560, 1-3-89, Cl. 210-497.010.
- Chupka, David E.; and Landegger, Carl C., to Black Clawson Company, The. Screen plates. 4,885,090, 12-5-89, Cl. 210-497.010.
- Chupka, Francis L., to Hercules Incorporated. New cross-linking system for making toners that are useful in electrophotography using polyfunctional azide. 4,806,635, 2-21-89, Cl. 430-109.000.
- Church, Claire; and Clarke, Ronald D., to Consolidated Industrial Corporation. Window slider. 4,829,630, 5-16-89, Cl. 16-93.00R.
- Church & Dwight Co., Inc.: *See*—
  - Kaufman, George; and Usen, Norman, 4,813,376, Cl. 119-1.000.
  - Winston, Anthony; Marder, Herman; and Sorenson, Wayne, 4,812,308, Cl. 424-52.000.
  - Winston, Anthony E.; Brown, Raymond S.; Lawson, Frederick W.; and Usen, Norman, 4,851,212, Cl. 424-45.000.
- Church, Gordon M.; and Churvis, Michael A., to Heil-Quaker Corporation. Carton with self positioning interlocking corners. 4,850,527, 7-25-89, Cl. 229-110.000.
- Church, Henry: *See*—
  - Sable, Chester A.; Maldarelli, Lawrence V.; Church, Henry; and Graboff, Roy, 4,844,414, Cl. 251-319.000.
- Church Holdings: *See*—
  - Church, Leslie G., 4,836,748, Cl. 416-181.000.
- Church, John: *See*—
  - Kasarsky, James L.; Scanlon, John F.; Church, John; and Wigell, Gary, 4,834,616, Cl. 416-229.00R.
- Church, John A., to Colgate-Palmolive Co. Composition and method for removal of wrinkles in fabrics. 4,806,254, 2-21-89, Cl. 252-8.600.
- Church, John A.; and Mehta, Umesh J., to Colgate-Palmolive Company. Autogenously heated liquid soap composition. 4,839,081, 6-13-89, Cl. 252-108.000.
- Church, John F.; and Neff, Steve A., to Parker-Hannifin Corporation. Fluid filter drain assembly. 4,855,041, 8-8-89, Cl. 210-120.000.
- Church, John F.: *See*—
  - Popoff, Peter; Stone, Walter H.; and Church, John F., 4,836,923. Cl. 210-232.000.
- Church, John G. Downward gas-metal-arc welding process. 4,843,210, 6-27-89, Cl. 219-126.000.
- Church, John G. High rate deposition gas-metal-arc welding process. 4,866,246, 9-12-89, Cl. 219-137.00R.
- Church, John S.: *See*—
  - Okey, David W.; Church, John S.; Saatchi, Hossein; and Scanlon, John F., 4,837,251, Cl. 523-218.000.
- Church, Kenneth W., to Telephone and Telegraph Company, AT&T Bell Laboratories. Text analysis system with letter sequence recognition and speech stress assignment arrangement. 4,829,580, 5-9-89, Cl. 381-52.000.
- Church, Leslie G., to Church Holdings. Ring propeller. 4,836,748, 6-6-89, Cl. 416-181.000.
- Church, Russell W.; and Heltemes, Eugene C., to Minnesota Mining and Manufacturing Company. Dual status magnetic marker having magnetically biasable flux collectors for us in electronic article surveillance systems. 4,825,197, 4-25-89, Cl. 340-572.000.
- Church, Russell W.; and Heltemes, Eugene C., to Minnesota Mining and Manufacturing Company. Dual status magnetic marker having magnetically biasable flux collectors for use in electronic article surveillance systems. 4,884,063, 11-28-89, Cl. 340-572.000.
- Church, Thomas W.; and Hanko, Jimmy J., to Procter & Gamble Company, The. Carton with core retaining projections. 4,813,539, 3-21-89, Cl. 206-396.000.
- Church, William P., Jr., to Navistar International Transportation Corp. Air suspension deflation control system with automatic reinflation and control reset. 4,865,349, 9-12-89, Cl. 280-711.000.
- Churchill, Bruce A.; and Raugh, Jeffery D., to Borg-Warner Automotive, Inc. Centrifugally controlled two-speed accessory drive. 4,854,192, 8-8-89, Cl. 74-752.00E.
- Churchill, Donald: *See*—
  - Brown, Robert W.; and Churchill, Donald, 4,873,219, Cl. 503-204.000.
- Churchill, Jeffrey R.; and Hutchinson, Francis G., to Imperial Chemical Industries PLC. Biodegradable amphipathic copolymers. 4,877,606, 10-31-89, Cl. 424-78.000.
- Churchland, Mark T.; and Schilling, Walter W., to MacMillan Bloedel Limited. Apparatus for oriented strand lay-up. 4,872,544, 10-10-89, Cl. 198-382.000.
- Churchman, Ronald K.: *See*—
  - Hines, Craig D.; Bednarz, Michael J.; and Churchman, Ronald K., 4,842,074, Cl. 166-305.100.
- Churkin, Vladimir G.; Negrutsky, Sergei B.; Klimov, Sergei B.; and Negrutsky, Boris F., to Upravlenie po Montazhu, Demontazhu i Remontu Gornoshakhtnogo Oborudovania "Spetsshakhtomontazh" Karagandinskogo Proizvodstvennogo Obiedinenie po Dobyche Uglya "Karagandaugol" . Viscoelastoplastic-sealant packed flexible power transmission cable for hydraulic actuator. 4,856,414, 8-15-89, Cl. 92-83.000.
- Chursinoff, Fred. Reflex massager and method. 4,856,496, 8-15-89, Cl. 128-52.000.
- Churvis, Michael A.: *See*—
  - Church, Gordon M.; and Churvis, Michael A., 4,850,527, Cl. 229-110.000.
- Churyo Engineering Kabushiki Kaishi: *See*—
  - Fujitani, Makoto; Hirabayashi, Masashi; Honda, Hideo; Machida, Hiroshi; Kondo, Masami; and Onoda, Sachio, 4,884,956, Cl. 418-15.000
- Chushenkov, Igor M.: *See*—
  - Dimitrov, Dimith T.; Matjukhina, Ljudimila I.; Mikhalev, Alexandr S., and Chushenkov, Igor M. 4,888,538, Cl. 318-675.000.
- Chutjian, Ara, to United States of America, National Aeronautics and Space Administration. Trochoidal analysis of scattered electrons in a merged electron-ion beam geometry. 4,818,868, 4-4-89, Cl. 250-252.000.
- Chwalisz, Krzysztof; Beier, Sybille; Elger, Walter; and Neef, Guenter, to Schering Aktiengesellschaft. Oxytocins and antigestagens in combination for induction of birth. 4,870,067, 9-26-89, Cl. 514-171.000.
- Chwalisz, Krzysztof: *See*—
  - Elger, Walter; Beier, Sybille; Fahnrich, Marianne; Kosub, Beate; Chwalisz, Krzysztof; and Hasan, Syed H., 4,888,331, Cl. 514-170.000.
- Chyba, Joseph A.; Kihlmire, William M.; and Blackburn, Theodore J. Apparatus for handling large heavy components of motor vehicles. 4,838,530, 6-13-89, Cl. 269-15.000.
- Chylinski, Victoria S.: *See*—
  - Trager, Seymour F.; and Chylinski, Victoria S., 4,828,828, Cl. 424-81.000.
- Chyung, Kenneth; Gadkaree, Kishor P.; Ketcham, Thomas D.; and Wusirika, Raja R., to Corning Glass Works. Zirconia ceramic article toughened with SiC whiskers. 4,804,643, 2-14-89, Cl. 501-104.000.
- Chyung, Kenneth; Dawes, Steven B.; Gadkaree, Kishor P.; Morena, Robert M.; and Taylor, Mark P., to Corning Glass Works. Laminated structures containing an inorganic corrugated or honeycomb member. 4,808,460, 2-28-89, Cl. 428-116.000.
- Chyung, Kenneth; Gadkaree, Kishor P.; and Taylor, Mark P., to Corning Glass Works. Providing reinforced alkaline earth aluminosilicate glasses. 4,846,866, 7-11-89, Cl. 65-18.300.
- Ciacci, Franco, to Bull HN Information Systems Italia S.p.A. Transparent cache memory. 4,872,138, 10-3-89, Cl. 365-49.000.
- Ciaccia, Vittorio; and Milani, Federico, to Ausimont S.p.A. Polymeric compositions suitable for use as bitumen modifiers and bituminous compositions so modified. 4,829,109, 5-9-89, Cl. 524-68.000.
- Ciaccio, Richard J., to Dart Industries Inc. Salt and pepper shaker. 4,804,113, 2-14-89, Cl. 222-142.100.
- Ciago, Kim D. Combination toddler knee pads and/or ear muffs. 4,805,239, 2-21-89, Cl. 2-24.000.
- Ciallella, Loretta K.; and Buda, Charles, to Colgate-Palmolive Co. Detersive article. 4,806,261, 2-21-89, Cl. 252-90.000.
- Ciallella, Loretta K., to Colgate-Palmolive Co. Soil release promoting liquid detergent composition containing a pet-poet copolymer and narrow range alcohol ethoxylate. 4,883,610, 11-28-89, Cl. 252-559.000.
- Cialone, Henry J.: *See*—
  - Anderson, Kevin W.; and Cialone, Henry J., 4,830,828, Cl. 422-7.000.

- Cianci, Flavio: *See—*
  - Rescalli, Carlo; Ricci, Riziero; Scazzosi, Adriano; and Cianci, Flavio, 4,874,474, Cl. 203-18.000.
- Ciancibello, Carmine A.: *See—*
  - Lefebvre, Martin C.; Ciancibello, Carmine A.; and Geadah, Youssef A., 4,873,666, Cl. 365-189.070.
- Cianciolo, George J.: *See—*
  - Snyderman, Ralph D.; and Cianciolo, George J., 4,822,606, Cl. 424-88.000.
- Cianciullo, Joseph J.: *See—*
  - Bankuty, Geza E.; Byron, LeRoy F.; and Cianciullo, Joseph J., 4,811,850, Cl. 209-546.000.
- Cianflone, Stephen P. Shoulder cradle for supporting a cellular car phone. 4,878,237, 10-31-89, Cl. 379-58.000.
- Ciannella, Michael A.: *See—*
  - Sacks, Barry A.; Gould, Arnold S.; Manzo, Michael P.; and Ciannella, Michael A., 4,826,481, Cl. 604-54.000.
- Ciaperoni, Aldemaro; Cappelli, Alberto; D'Andolfo, Francesco; and Salan, Antonio, to SNIA Fibre S.p.A. Polyamide polyethylene glycolpolyamide block copolymer. 4,873,296, 10-10-89, Cl. 525-434.000.
- Ciappi, Rossella: *See—*
  - Pestellini, Vittorio; Ghelardoni, Mario; Giannotti, Danilo; Giolitti, Alessandro; Barzanti, Adriano; Ciappi, Rossella; and Ortolani, Carlo, 4,800,208, Cl. 514-397.000.
- Ciardi, John J.: *See—*
  - Coleman, Mike R.; and Ciardi, John J., 4,823,090, Cl. 328-114.000.
- Ciarlei, Joseph A.; and Pileski, Michael J., to Welch Allyn, Inc. Air vent for camera adaptor. 4,851,866, 7-25-89, Cl. 354-62.000.
- Ciarlei, Joseph A.: *See—*
  - Danna, Dominick A.; Salvati, Jon; and Ciarlei, Joseph A., 4,853,774, Cl. 358-98.000.
- Ciarletta, Agnes B.: *See—*
  - Clark, Steven C.; Ciarletta, Agnes B.; and Yang, Yu-Chung, 4,877,729, Cl. 435-48.000.
- Ciarlone, David F.: *See—*
  - Brahm, Leroy D.; Brown, Frank C.; Ciarlone, David F.; Dedrich, Mark R.; Hassall, James B.; and Salva, Fedor M., 4,865,801, Cl. 376-260.000.
- Ciaudelli, Joseph P., to Revlon, Inc. Fatty acid diesters. 4,867,965, 9-19-89, Cl. 424-59.000.
- Ciba Corning Diagnostics Corp.: *See—*
  - Chang, Steve C. S.; Miller, Thomas E.; and Krodel, Elizabeth K., 4,824,777, Cl. 435-7.000.
  - Cook, Thomas A.; Love, Walter F.; and Slovacek, Rudolf E., 4,852,967, Cl. 350-96.290.
  - Daley, Richard J.; and Potts, Robert S., 4,854,486, Cl. 222-484.000.
  - Herrmann, Raymond J., 4,799,599, Cl. 215-307.000.
  - Hoskins, Michael K., 4,883,762, Cl. 436-18.000.
  - Keck, Donald B.; and Love, Walter F., 4,880,752, Cl. 435-7.000.
- Ciba-Geigy AG: *See—*
  - Brent, Richard J.; and Moss, Brian F., 4,812,882, Cl. 355-77.000.
  - Buser, Hansjorg; and Morand, Adolf, 4,879,413, Cl. 564-63.000.
  - Doyle, James; Butcher, David W.; and Clark, John A., 4,816,360, Cl. 430-2.000.
  - Doyle, James; Bond, Anthony J.; and Davidson, Fiona E., 4,836,628, Cl. 350-3.610.
  - Ficken, Geoffrey E., 4,804,599, Cl. 430-2.000.
  - Furholz, Urs J., 4,879,203, Cl. 430-378.000.
  - Groves, Trevor; and Butcher, David W., 4,826,745, Cl. 430-1.000.
  - Guggi, Markus; and Gervais, Fernand, 4,830,305, Cl. 242-71.700.
  - Howell, Frederick H., 4,835,323, Cl. 568-662.000.
  - Kuhn, Jakob, 4,837,133, Cl. 430-358.000.
  - Marzinotto, Francesco; and Junghans, Jurgen, 4,881,770, Cl. 294-64.100.
  - Meyer, Armin, 4,878,111, Cl. 358-75.000.
  - Moss, Brian F.; and Brent, Richard J., 4,812,867, Cl. 354-313.000.
  - Steiger, Rolf; and Schellenberg, Matthias, 4,803,151, Cl. 430-562.000.
  - Steiger, Rolf; and Furholz, Urs J., 4,868,098, Cl. 430-393.000.
- Ciba-Geigy Corporation: *See—*
  - Abel, Heinz; Guth, Christian; and Berendt, Hans-Ulrich, 4,880,564, Cl. 252-321.000.
  - Ackermann, Peter, 4,822,806, Cl. 514-345.000.
  - Acklin, Georg; Aufderhaar, Ernst; Kaupp, Gunter; Raz, Bernhard; and Vogel, Ulrich, 4,847,374, Cl. 540-589.000.
  - Adam, Jean-Marie, 4,880,916, Cl. 534-606.000.
  - Aebli, Beat M.; and Gremmelmaier, Claude, 4,886,887, Cl. 548-490.000.
  - Albrecht, Bernhard; and Beyrich, Jurgen, 4,879,415, Cl. 564-412.000.
  - Alder, Alex; Stanek, Jaroslav; and Bellus, Daniel, 4,857,660, Cl. 562-435.000.
  - Alder, Alex, 4,883,877, Cl. 546-112.000.
  - Allgeier, Hans, 4,851,424, Cl. 514-400.000.
  - Andrews, Christopher M.; and Bagga, Madan M., 4,866,133, Cl. 525-109.000.
  - Arnold, Vladimir; and Rumo, Bernhard, 4,820,807, Cl. 534-565.000.
  - Babler, Fridolin, 4,801,702, Cl. 540-144.000.
  - Back, Gerhard; and Mosimann, Walter, 4,818,248, Cl. 8-620.000.
  - Back, Gerhard; and Beffa, Fabio, 4,874,848, Cl. 534-684.000.
  - Back, Gerhard; Beffa, Fabio; Schlesinger, Ulrich; and Puntener, Alois, 4,874,849, Cl. 534-696.000.
  - Banks, Christopher P.; Demmer, Christopher G.; and Irving, Edward, 4,857,437, Cl. 430-327.000.
  - Banks, Christopher P.; and Irving, Edward, 4,861,438, Cl. 204-15.000.
  - Baschang, Gerhard; Hartmann, Albert; Hirt, Hans; Lucas, Bohumir; and Wirz, Peter, 4,885,285, Cl. 514-114.000.
  - Bateman, John H., 4,830,953, Cl. 430-197.000.
  - Bauer, Sigrid, 4,835,085, Cl. 430-192.000.
  - Bauer, Sigrid, 4,871,644, Cl. 430-191.000.
  - Beck, Andreas; Breitenstein, Werner; von Sprecher, Andreas; Lang, Robert W.; and Oertle, Konrad, 4,808,572, Cl. 514-18.000.
  - Beck, Andreas; Sallmann, Alfred; and Wenk, Paul, 4,808,604, Cl. 514-381.000.
  - Beck, Andreas; Sallmann, Alfred; Lang, Robert W.; and Wenk, Paul, 4,820,726, Cl. 514-476.000.
  - Beffa, Fabio; and Koller, Josef, 4,799,933, Cl. 8-404.000.
  - Bellucci, Sergio; Hubele, Adolf; and Nyffeler, Andreas, 4,851,031, Cl. 71-92.000.
  - Beriger, Ernst; Eckhardt, Wolfgang; and Nyfeler, Robert, 4,861,787, Cl. 514-363.000.
  - Blackburn, John B.; and Hamilton, Alexander, 4,885,033, Cl. 106-494.000.
  - Boger, Manfred; and Drabek, Jozef, 4,812,466, Cl. 514-351.000.
  - Boger, Manfred; and Drabek, Jozef, 4,812,468, Cl. 514-346.000.
  - Boger, Manfred; and Drabek, Jozef, 4,866,079, Cl. 514-346.000.
  - Bohner, Beat; and Tobler, Hans, 4,801,708, Cl. 544-182.000.
  - Bohner, Beat; Fory, Werner; Schurter, Rolf; and Pissiotas, Georg, 4,804,757, Cl. 544-319.000.
  - Bohner, Beat; and Meyer, Willy, 4,871,853, Cl. 544-408.000.
  - Bonometti, Emil; and Seiler, Herbert, 4,843,148, Cl. 534-598.000.
  - Bouwknegt, Thys; and Abel, Heinz, 4,859,207, Cl. 8-455.000.
  - Bowman, Robert M., 4,859,691, Cl. 514-379.000.
  - Braig, Adalbert, 4,818,777, Cl. 524-83.000.
  - Brenner, Werner, 4,851,157, Cl. 260-356.000.
  - Browne, Leslie J., 4,889,861, Cl. 514-300.000.
  - Brunner, Hans-Georg, 4,797,152, Cl. 71-118.000.
  - Brunner, Hans-Georg; and Muller, Urs, 4,803,268, Cl. 544-58.400.
  - Brunner, Hans-Georg, 4,872,902, Cl. 71-105.000.
  - Brytus, Vincent; and Payne, Kenneth L., 4,845,172, Cl. 525-481.000.
  - Bugnon, Philippe; and Medinger, Bernhard, 4,808,230, Cl. 106-483.000.
  - Bugnon, Philippe; Grubenmann, Arnold; Medinger, Bernhard; and Schaefle, Jean, 4,880,472, Cl. 106-493.000.
  - Bugnon, Philippe; and Medinger, Bernhard, 4,889,562, Cl. 106-204.000.
  - Buhlmayer, Peter; Stanton, James L.; Fuhrer, Walter; Goschke, Richard; Rasetti, Vittorio; and Rueger, Heinrich, 4,889,869, Cl. 514-400.000.
  - Burdeska, Kurt; Weber, Kurt; and Reinehr, Dieter, 4,847,404, Cl. 558-401.000.
  - Camenzind, Hugo; and Phillips, Emyr, 4,803,001, Cl. 252-47.000.
  - Camenzind, Hugo; and Phillips, Emyr, 4,810,399, Cl. 252-47.000.
  - Cantatore, Erfinders G.; and Gugumus, Francois, 4,816,507, Cl. 524-100.000.
  - Cantatore, Giuseppe; and Borzatta, Valerio, 4,803,234, Cl. 524-100.000.
  - Cantatore, Giuseppe; and Borzatta, Valerio, 4,843,159, Cl. 544-198.000.
  - Cantatore, Giuseppe; and Borzatta, Valerio, 4,855,434, Cl. 546-190.000.
  - Cantatore, Giuseppe; and Borzatta, Valerio, 4,859,724, Cl. 524-91.000.
  - Cantatore, Giuseppe; Borzatta, Valerio; and Masina, Franca, 4,883,870, Cl. 540-598.000.
  - Cassat, Robert, 4,799,996, Cl. 162-136.000.
  - Clark, Kirtland P.; and Falk, Robert A., 4,859,342, Cl. 252-3.000.
  - Clausen, Martin; and Rys, Paul, 4,861,920, Cl. 568-741.000.
  - Clubley, Brian G.; Cartmell, David W.; and Parker, David C., 4,847,017, Cl. 562-24.000.
  - Coers, Klaus J., 4,883,871, Cl. 544-210.000.
  - Comninellis, Christos; Osterwalder, Robert U.; Plattner, Eric; and Seifert, Gottfried, 4,880,571, Cl. 562-297.000.
  - Cook, Barry; Richardson, Norman; and Tames, Joseph, 4,828,795, Cl. 422-15.000.
  - Cotting, Jacques-Alain; and Renner, Alfred, 4,857,607, Cl. 525-471.000.
  - Danel, Paul, 4,861,342, Cl. 8-444.000.
  - Danigel, Harald; and Schatzmann, Hans-Rudolf, 4,872,753, Cl. 356-246.000.
  - Debrodt, Heiner; and Kluger, Petra, 4,849,085, Cl. 204-290.00F.
  - Dechow, Frederick J., 4,837,255, Cl. 524-23.000.
  - Deiner, Hans; Sandner, Bernhard; Mosch, Franz; and Bernheim, Willy, 4,834,764, Cl. 8-115.640.
  - Delespesse, Guy, 4,866,037, Cl. 514-8.000.
  - Demmer, Christopher G.; and Irving, Edward, 4,839,253, Cl. 430-190.000.
  - Denz, Martin; and Kapp-Schwoerer, Diethard, 4,879,968, Cl. 118-300.000.
  - Diethelm, Hermann, 4,798,848, Cl. 521-89.000.
  - Dietz, Rolf; and Seiler, Herbert, 4,845,203, Cl. 534-637.000.
  - Drabek, Jozef; and Boger, Manfred, 4,798,837, Cl. 514-594.000.
  - Dubas, Henri, 4,822,506, Cl. 252-45.000.
  - Dubs, Paul; and Pitteloud, Rita, 4,810,740, Cl. 524-333.000.
  - Durr, Dieter; and Szczepanski, Henry, 4,824,466, Cl. 71-92.000.
  - Durr, Dieter; and Szczepanski, Henry, 4,824,471, Cl. 71-92.000.
  - Durr, Dieter; and Szczepanski, Henry, 4,851,029, Cl. 71-90.000.
  - Duthaler, Rudolf; Finter, Jurgen; Fischer, Walter; and Ramanathan, Visvanathan, 4,855,084, Cl. 260-377.000.
  - Ehrenfreund, Josef, 4,859,783, Cl. 549-439.000.

  - Ehrenfreund, Josef; Boger, Manfred; Kristiansen, Odd; Drabek, Jozef; and Kristinsson, Haukur, 4,888,348, Cl. 514-367.000.
  - Eichenberger, Kurt; and Kuhnis, Hans, 4,808,603, Cl. 514-356.000.
  - Eldin, Sameer H.; and Grieshaber, Peter, 4,851,494, Cl. 528-170.000.
  - Erkens, Leonardus J. H.; Algra, Gerben P.; Snijders, Jacobus M. H.; Geurts, Herman J. J. M.; and Rugin, Andre, 4,872,915, Cl. 106-433.000.
  - Evans, Samuel, 4,877,824, Cl. 524-83.000.
  - Fagerhol, Magne K.; Dale, Inge; and Naesgaard, Inger, 4,833,074, Cl. 435-7.000.
  - Fankhauser, Peter; Sinnreich, Joel; and Dobmeier, Rolf, 4,855,142, Cl. 424-434.000.
  - Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, 4,812,464, Cl. 514-333.000.
  - Farooq, Saleem, 4,853,396, Cl. 514-333.000.
  - Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, 4,870,184, Cl. 546-264.000.
  - Farooq, Saleem, 4,874,778, Cl. 514-403.000.
  - Fechtig, Bruno; and Baschang, Gerhard, 4,873,322, Cl. 536-4.100.
  - Ferrini, Pier G.; and Sprecher, Andreas v., 4,804,661, Cl. 514-255.000.
  - Finter, Jurgen, 4,797,347, Cl. 430-311.000.
  - Finter, Jurgen; Fischer, Walter; and Lohse, Friedrich, 4,849,533, Cl. 549-556.000.
  - Fischer, Jan A., 4,845,080, Cl. 514-21.000.
  - Fleury, Gilles A.; Lavallee, Robert L.; and Ohnstad, Thomas S., 4,825,912, Cl. 139-305.000.
  - Flierl, Klaus; Pfenninger, Heinz; and Marfurt, Hans-Rudolf, 4,810,390, Cl. 210-650.000.
  - Flury, Peter; and Alder, Alex, 4,859,761, Cl. 528-123.000.
  - Fory, Werner; and Meyer, Willy, 4,854,963, Cl. 71-91.000.
  - Fory, Werner; and Meyer, Willy, 4,881,964, Cl. 71-91.000.
  - Francis, John E., 4,831,013, Cl. 514-23.000.
  - Franklin, Janet, 4,824,601, Cl. 252-401.000.
  - Frei, Bruno; O'Sullivan, Anthony C.; and Gehret, Jean-Claude, 4,857,509, Cl. 514-30.000.
  - Frey, Christian; and Dill, Bernd, 4,825,005, Cl. 568-657.000.
  - Fritz, Hans; Dodt, Johannes; Seemuller, Ursula; and Fink, Ernst, 4,801,576, Cl. 514-12.000.
  - Fuhrer, Walter; Buhlmayer, Peter; Rasetti, Vittorio; and Riniker, Bernhard, 4,863,903, Cl. 514-17.000.
  - Gabutti, Claudio A., 4,861,861, Cl. 528-272.000.
  - Galli, Roberto; and Kvita, Petr, 4,838,895, Cl. 8-527.000.
  - Gass, Karl; Fory, Werner; Meyer, Willy; and Topfl, Werner, 4,835,311, Cl. 564-86.000.
  - Gehret, Jean-Claude; and Kristiansen, Odd, 4,824,845, Cl. 514-245.000.
  - Gehret, Jean-Claude, 4,855,317, Cl. 514-450.000.
  - Good, William R.; Mikes, John; and Sikora, Joseph, 4,873,086, Cl. 424-409.000.
  - Grade, Reinhardt; and Thomas, Brien M., 4,874,526, Cl. 210-697.000.
  - Graf, Jean-Francois; Hasslin, Hans W.; Schuurman, Hessel J.; Steiner, Theodor; and Wieland, Bruno, 4,853,223, Cl. 424-405.000.
  - Gsell, Laurenz; and Ackermann, Peter, 4,798,912, Cl. 568-637.000.
  - Guglielmetti, Leonardo; Meyer, Hans R.; Reinehr, Dieter; and Weber, Kurt, 4,867,906, Cl. 252-301.220.
  - Gugumus, Francois, 4,863,981, Cl. 524-97.000.
  - Guth, Christian; Haase, Jorg; and Stehlin, Albert, 4,844,710, Cl. 8-127.100.
  - Hahn, Holger; and Blattner, Rudolf, 4,886,880, Cl. 544-76.000.
  - Haring, Ulrich, 4,877,552, Cl. 252-392.000.
  - Hartling, Christiane; and Rabassa, Alberto, 4,865,744, Cl. 210-651.000.
  - Hefti, Heinz; Lehmann, Urs; Reinehr, Dieter; and Kaschig, Jurgen, 4,830,763, Cl. 252-8.600.
  - Hefti, Heinz; Artz, Klaus; Weber, Kurt; Burdeska, Kurt; and Reinehr, Dieter, 4,889,655, Cl. 252-301.220.
  - Hilti, Bruno; and Mayer, Carl W., 4,801,701, Cl. 540-1.000.
  - Hilti, Bruno; and Mayer, Carl W., 4,847,441, Cl. 570-129.000.
  - Hoehener, Alfred; and Smith, Roy E., 4,876,333, Cl. 534-575.000.
  - Hofer, Arnold; and Gempeler, Hans, 4,885,354, Cl. 528-94.000.
  - Horn, Peter J., 4,834,770, Cl. 8-495.000.
  - Hubele, Adolf, 4,822,884, Cl. 545-177.000.
  - Hubele, Adolf, 4,851,033, Cl. 71-94.000.
  - Hubele, Adolf, 4,853,399, Cl. 514-383.000.
  - Hunziker, Max, 4,882,415, Cl. 528-374.000.
  - Hurter, Rudolf, 4,843,151, Cl. 534-643.000.
  - Hurter, Rudolf, 4,866,164, Cl. 534-636.000.
  - Hutchison, Alan J., 4,801,605, Cl. 514-432.000.
  - Hutchison, Alan J., 4,816,474, Cl. 514-432.000.
  - Irving, Edward; and Smith, Terence J., 4,836,878, Cl. 156-307.300.
  - Irving, Edward; and Banks, Christopher P., 4,849,320, Cl. 430-280.000.
  - Jaeggi, Franz-Josef, 4,798,688, Cl. 260-512.00R.
  - Jaeggi, Knut A., 4,871,720, Cl. 514-79.000.
  - Jaffe, Edward E.; and Babler, Fridolin, 4,810,304, Cl. 106-494.000.
  - Jaffe, Edward E., 4,844,742, Cl. 106-448.000.
  - Jaffe, Edward E., 4,857,646, Cl. 546-49.000.
  - Janssen, Robert A., 4,833,196, Cl. 524-533.000.
  - Jost, Max; Jaffe, Edward E.; and Bugnon, Philippe, 4,863,522, Cl. 106-494.000.
  - Karlhuber, Bernhard; Fiaux, Andre; and Schaffhauser, Thierry, 4,810,776, Cl. 528-488.000.
  - Karydas, Athanasios, 4,823,873, Cl. 166-272.000.
  - Karydas, Athanasios, 4,836,958, Cl. 260-501.150.
  - Karydas, Athanasios, 4,876,018, Cl. 252-8.551.
  - Kaschig, Jurgen, 4,800,224, Cl. 546-12.000.
  - Kaschig, Jurgen, 4,851,534, Cl. 546-12.000.
  - Kaschig, Jurgen, 4,855,432, Cl. 546-12.000.
  - Kaschig, Jurgen; and Finter, Jurgen, 4,857,614, Cl. 526-172.000.
  - Kaser, Adolf, 4,804,767, Cl. 549-65.000.
  - Khanna, Satish C., 4,798,724, Cl. 424-480.000.
  - Khanna, Satish C.; and Ruttimann, Theresa, 4,857,336, Cl. 424-473.000.
  - Kirchmayr, Rudolf; and Rutsch, Werner, 4,831,177, Cl. 558-52.000.
  - Knecht, Hugo; and Luscher, Rene, 4,864,355, Cl. 355-27.000.
  - Koch, Herbert A., 4,820,637, Cl. 435-29.000.
  - Koci, Zdenek, 4,886,549, Cl. 106-19.000.
  - Kramer, Andreas, 4,847,335, Cl. 525-502.000.
  - Kramer, Andreas; and Darms, Roland, 4,861,885, Cl. 544-387.000.
  - Kramer, Andreas; and Perritaz, Francis, 4,885,346, Cl. 525-426.000.
  - Kristen, Ulrich; and Wirth, Hermann O., 4,889,938, Cl. 549-10.000.
  - Kump, Wilhelm; and Traxler, Peter, 4,876,258, Cl. 514-254.000.
  - Kunz, Walter; Eckhardt, Wolfgang; and Hubele, Adolf, 4,810,724, Cl. 514-473.000.
  - Kurihara-Bergstrom, Tamie; Good, William R.; and Ebert, Charles D., 4,853,227, Cl. 424-443.000.
  - Lacroix, Roger; Chatelain, Roland; and Kvita, Petr, 4,851,011, Cl. 8-527.000.
  - Landre, Jean-Francois, 4,826,503, Cl. 8-543.000.
  - Lang, Marc, 4,826,832, Cl. 514-192.000.
  - Lang, Robert W.; and Klingert, Bernd, 4,886,879, Cl. 540-486.000.
  - Langley, Robert; Stewart, John D.; and Walls, Arthur S., 4,801,634, Cl. 524-88.000.
  - Langley, Robert; Stewart, John D.; and Walls, Arthur S., 4,801,638, Cl. 524-88.000.
  - Lauton, Alain, 4,830,632, Cl. 8-94.330.
  - Lehmann, Hans; and Zahir, Abdul-Cader, 4,812,538, Cl. 525-505.000.
  - Lienhard, Paul, 4,847,365, Cl. 534-710.000.
  - Lienhard, Paul; and Jaffe, Edward E., 4,866,112, Cl. 524-87.000.
  - Lund, Richard B.; and Pass, Milo C., 4,808,342, Cl. 260-508.000.
  - Lund, Richard B.; and Brown, Glen W., 4,820,452, Cl. 260-510.000.
  - Maginness, Maxwell G.; and Volk, Patrick M., 4,870,257, Cl. 235-375.000.
  - Maienfisch, Peter, 4,871,719, Cl. 514-63.000.
  - Maier, Ludwig, 4,859,466, Cl. 424-605.000.
  - Martin, Peter; Singenberger, Hansjorg; and Lechleitner, Viktor, 4,848,533, Cl. 198-470.100.
  - Martin, Pierre, 4,812,580, Cl. 548-561.000.
  - Martin, Pierre; and Lang, Robert W., 4,822,919, Cl. 568-308.000.
  - Martin, Pierre; and Lang, Robert W., 4,868,202, Cl. 514-423.000.
  - Marzinotto, Francesco, 4,799,722, Cl. 294-64.100.
  - Meier, Hans R.; and Evans, Samuel, 4,828,741, Cl. 252-51.50R.
  - Meier, Hans-Rudolf; and Knobloch, Gerrit, 4,857,572, Cl. 524-289.000.
  - Meier, Kurt, 4,868,288, Cl. 534-15.000.
  - Metzger, Andre; Grimm, Peter; Nohl, Andre J.; and Nau, Vance J., 4,859,605, Cl. 436-43.000.
  - Metzner, Helmut; and Marshall, Alan B., 4,862,832, Cl. 119-86.000.
  - Meyer, Francois; Hinnen, Albert; Meister, Andreas; Grutter, Markus G.; and Alkan, Sefik, 4,885,166, Cl. 424-85.700.
  - Meyer, Hans R., 4,816,590, Cl. 548-379.000.
  - Meyer, Willy, 4,857,100, Cl. 71-93.000.
  - Michaelis, Klaus-Peter, 4,849,466, Cl. 524-105.000.
  - Mockli, Peter, 4,883,866, Cl. 534-606.000.
  - Molock, Frank; Robertson, J. Richard, Jr.; and Su, Kai C., 4,859,780, Cl. 548-550.000.
  - Moser, Hans; Pissiotas, Georg; Brunner, Hans-Georg; Bohner, Beat; and Baumann, Marcus, 4,804,400, Cl. 71-95.000.
  - Moser, Peter, 4,818,815, Cl. 534-607.000.
  - Mueller, Karl F.; and Harisiades, Paul, 4,837,289, Cl. 526-279.000.
  - Mulhaupt, Rolf; and Simon, Hubert, 4,874,805, Cl. 524-188.000.
  - Nohl, Andre J.; Nau, Vance J.; and Metzger, Andre, 4,836,037, Cl. 73-864.160.
  - Nyfeler, Robert; Eckhardt, Wolfgang; and Beriger, Ernst, 4,861,367, Cl. 71-92.000.
  - Nyffeler, Andreas; and Hubele, Adolf, 4,881,966, Cl. 71-94.000.
  - Odorisio, Paul A.; Pastor, Stephen D.; and Hyun, James L., 4,812,501, Cl. 524-117.000.
  - Odorisio, Paul A.; Pastor, Stephen D.; and Hyun, James L., 4,831,178, Cl. 558-76.000.
  - Odorisio, Paul A.; and Pastor, Steven D., 4,888,423, Cl. 544-238.000.
  - Oertle, Konrad; and Wetter, Hansjurg, 4,801,719, Cl. 548-335.000.
  - Ohtani, Shigeki; and Suzuoki, Kazuhiro, 4,818,613, Cl. 428-396.000.
  - Ostermayer, Franz; and Zimmermann, Markus, 4,818,766, Cl. 514-356.000.
  - O'Sullivan, Anthony C.; and Frei, Bruno, 4,859,657, Cl. 514-63.000.
  - Oxenius, Rudiger; and Wilhelm, Charles, 4,855,410, Cl. 534-591.000.
  - Oxenius, Rudiger; Burgi, Ernst; Arnold, Vladimir; and Rakoczi, Ferenc, 4,874,847, Cl. 534-565.000.
  - Pastor, Stephen D.; Spivack, John D.; and Hessell, Edward T., 4,835,202, Cl. 524-154.000.
  - Pfeifer, Josef, 4,808,732, Cl. 549-244.000.
  - Pfeifer, Josef, 4,814,233, Cl. 428-522.000.
  - Pfeifer, Josef; and Duthaler, Rudolf, 4,847,359, Cl. 528-353.000.

- Pfenninger, Heinz, 4,889,633, Cl. 210-639.000.
- Phaff, Rox; and Bedekovic, Davor, 4,876,357, Cl. 548-463.000.
- Phillips, Emyr; O'Neil, Robert M.; and Wirth, Hermann O., 4,859,354, Cl. 252-47.500.
- Pissiotas, Georg; and Bohner, Beat, 4,824,476, Cl. 71-095.000.
- Pitteloud, Rita; and Dubs, Paul, 4,820,756, Cl. 524-289.000.
- Poll, Dietmar, 4,837,776, Cl. 374-56.000.
- Prud'Homme, Christian, 4,820,446, Cl. 252-511.000.
- Prud'Homme, Christian, 4,822,523, Cl. 252-511.000.
- Puntener, Alois, 4,801,695, Cl. 534-684.000.
- Puntener, Alois; Back, Gerhard; and Koller, Josef, 4,818,246, Cl. 8-437.000.
- Puntener, Alois, 4,836,827, Cl. 8-437.000.
- Quadranti, Marco; Schmidli, Wilheim; and Zoschke, Andreas, 4,840,663, Cl. 71-93.000.
- Rakoczi, Ferenc; and Furtsch, Bruno, 4,845,638, Cl. 364-500.000.
- Rasberger, Michael; Hofmann, Peter; Meier, Hans R.; and Dubs, Paul, 4,798,822, Cl. 546-15.000.
- Ravichandran, Ramanathan; and Spivack, John D., 4,808,645, Cl. 524-99.000.
- Ravichandran, Ramanathan; and Pastor, Stephen D., 4,888,444, Cl. 564-300.000.
- Reinert, Gerhard; and Burdeska, Kurt, 4,831,068, Cl. 524-100.000.
- Reinert, Gerhard, 4,874,391, Cl. 8-442.000.
- Reinherz, Barry P., and Sullivan, Robert M., 4,822,396, Cl. 65-60.700.
- Rembold, Manfred; Sitek, Franciszek; Rutsch, Werner; and Berner, Godwin, 4,861,806, Cl. 522-66.000.
- Rempfler, Hermann; Stamm, Erich; and Thummel, Rudolph C., 4,802,909, Cl. 71-92.000.
- Rempfler, Hermann; and Kunz, Walter, 4,849,007, Cl. 71-76.000.
- Renn, John O.; Schlapfer, Hans U.; Hammerquist, Kenneth G.; and Caraconstantis, Charalambos, 4,823,162, Cl. 355-40.000.
- Reynolds, Richard P., 4,802,513, Cl. 141-311.00R.
- Riebli, Peter, 4,859,687, Cl. 514-336.000.
- Riediker, Martin; Lang, Robert W.; Duthaler, Rudolf; Herold, Peter; Oertle, Konrad; and Bold, Guido, 4,826,965, Cl. 536-18.100.
- Riediker, Martin; Meier, Kurt; and Zweifel, Hans, 4,855,468, Cl. 556-53.000.
- Riediker, Martin; Steiner, Eginhard; Beyeler, Harry; Rembold, Manfred; and Sitek, Franciszek, 4,857,654, Cl. 556-53.000.
- Rink, Hans, 4,859,736, Cl. 525-54.100.
- Robins, David G., 4,809,748, Cl. 137-625.110.
- Rody, Jean; and Slongo, Mario, 4,853,471, Cl. 548-261.000.
- Rohde, Ottmar; Perret, Andre-Etienne; and Pfeifer, Josef, 4,851,506, Cl. 528-353.000.
- Rohr, Otto, 4,871,753, Cl. 514-364.000.
- Rosenberg, Siegfried; and Schwarzenbach, Kurt, 4,889,883, Cl. 524-289.000.
- Rosenberger, Siegfried; and Meier, Hans-Rudolf, 4,855,345, Cl. 524-120.000.
- Roth, Martin, 4,806,448, Cl. 430-270.000.
- Roth, Martin; and Monnier, Charles E., 4,808,740, Cl. 528-97.000.
- Roth, Martin; Flury, Peter; and Eldin, Sameer H., 4,888,402, Cl. 526-262.000.
- Ruess, Wilhelm; Urech, Pierre; Eberle, Jurg; and Staub, Theodor, 4,886,824, Cl. 514-383.000.
- Ruess, Wilhelm; Urech, Pierre; Eberle, Jurg; and Staub, Theodor, 4,886,825, Cl. 514-383.000.
- Rusek, Milos; and Kny, Hermann, 4,833,255, Cl. 548-490.000.
- Rutsch, Werner; Kirchmayr, Rudolf; Husler, Rinaldo; and Dietliker, Kurt, 4,795,766, Cl. 522-44.000.
- Rutsch, Werner; and Slongo, Mario, 4,824,612, Cl. 260-513.700.
- Rutsch, Werner; and Husler, Rinaldo, 4,837,350, Cl. 558-52.000.
- Saitoh, Yoshiro; and Tatsumi, Takashi, 4,876,134, Cl. 428-73.000.
- Schafer, Horst; Kossmehl, Gerhard; and Neumann, Walter, 4,853,453, Cl. 528-28.000.
- Schar, Rudolf W.; and Hofmann-Sievert, Rita, 4,826,313, Cl. 356-51.000.
- Scheibli, Peter; Seitz, Karl; Seiler, Herbert; and Tzikas, Athanassios, 4,801,694, Cl. 534-637.000.
- Scheibli, Peter, 4,885,360, Cl. 534-642.000.
- Schmid, Rolf; Stauffer, Werner; and Zahir, Abdul-Cader, 4,826,927, Cl. 525-422.000.
- Schmid, Wolfgang, 4,876,265, Cl. 514-370.000.
- Schneider, Wolfgang; and Amsler, Kurt, 4,845,234, Cl. 548-335.000.
- Schneider, Wolfgang; and Amsler, Kurt, 4,853,455, Cl. 528-108.000.
- Schurter, Rolf; Siegrist, Urs; Rempfler, Hermann; and Baumeister, Peter, 4,831,148, Cl. 546-345.000.
- Schurter, Rolf; and Oertle, Konrad, 4,832,736, Cl. 71-94.000.
- Schurter, Rolf; and Diel, Peter J., 4,838,930, Cl. 71-94.000.
- Schurter, Rolf; Meyer, Willy; and Fory, Werner, 4,875,923, Cl. 71-92.000.
- Schurter, Rolf; and Diel, Peter J., 4,875,926, Cl. 71-94.000.
- Schutz, Hans U.; Schlesinger, Ulrich; and Back, Gerhard, 4,813,972, Cl. 8-599.000.
- Schwander, Hansrudolf, 4,801,406, Cl. 260-352.000.
- Seiler, Herbert, 4,808,706, Cl. 534-638.000.
- Seiler, Herbert; and Hegar, Gert, 4,866,162, Cl. 534-632.000.
- Seitz, Karl, 4,841,049, Cl. 544-76.000.
- Seltzer, Raymond; and Winter, Roland A. E., 4,847,367, Cl. 534-649.000.
- Seltzer, Raymond; and Winter, Roland A. E., 4,861,813, C 524-91.000.
- Seltzer, Raymond; Ravichandran, Ramanathan; and Patel, Ambela R., 4,876,300, Cl. 524-100.000.
- Sire, Jean-Marie; and Scheibli, Peter, 4,877,413, Cl. 8-543.000.
- Sire, Jean-Marie, 4,886,518, Cl. 8-566.000.
- Slongo, Mario; Rody, Jean; Sitek, Franciszek; and Valet, Andreas 4,880,859, Cl. 524-91.000.
- Spivack, John D.; Ravichandran, Ramanathan; and Pastor, Stephen D., 4,808,644, Cl. 524-94.000.
- Stanek, Jaroslav; and Schweizer, Ernst, 4,839,379, Cl. 514-421.00
- Staub, Theodor; Williams, Robert J.; and Margot, Paul, 4,849,21 Cl. 424-605.000.
- Stegmann, Werner; Troxler, Eduard; Hofmann, Peter; Meier Hans-Rudolf; and Dubs, Paul, 4,863,982, Cl. 524-101.000.
- Stegmann, Werner; Meier, Hans R.; Evans, Samuel; Martin, Roger and Luisoli, Reto, 4,874,885, Cl. 560-15.000.
- Steinberg, David H.; and Cortolano, Frank, 4,797,218, C 252-47.500.
- Steinmann, Alfred, 4,820,829, Cl. 556-87.000.
- Stingelin, Willy, 4,873,319, Cl. 534-604.000.
- Stockinger, Friedrich; and Stauffer, Werner, 4,883,845, C 525-534.000.
- Stockinger, Friedrich, 4,883,855, Cl. 528-171.000.
- Sturm, Elmar; Lang, Robert W.; and Kristiansen, Odd, 4,847,25 Cl. 514-274.000.
- Su, Kai C.; and Molock, Frank F., 4,857,606, Cl. 525-455.000.
- Su, Kai C.; and White, Jack C., 4,889,693, Cl. 422-113.000.
- Sutterlin, Wolfgang; and Begrich, Rainer, 4,828,572, Cl. 8-549.00
- Sutterlin, Wolfgang; and Defago, Raymond, 4,880,433, C 8-182.000.
- Tempel, Ernst, 4,820,311, Cl. 8-524.000.
- Tieke, Bernd; and Zahir, Sheik A., 4,840,999, Cl. 525-332.100.
- Tieke, Bernd, 4,879,350, Cl. 525-332.100.
- Topfl, Rosemarie; and Binz, Jorg, 4,822,374, Cl. 8-554.000.
- Topfl, Werner; and Pissiotas, Georg, 4,833,252, Cl. 548-186.000.
- Tsao, Fu-Pao; and Sills, M. Alicja, 4,812,173, Cl. 134-27.000.
- Tsao, Fupao, 4,889,689, Cl. 422-30.000.
- Tzikas, Athanassios; and Kaser, Adolf, 4,818,247, Cl. 8-549.000.
- Tzikas, Athanassios; and Herzig, Paul, 4,876,334, Cl. 534-632.000.
- Urano, Wataru; and Sugano, Yasuaki, 4,880,892, Cl. 528-89.000.
- Voirol, Peter; and Moser, Urs, 4,854,988, Cl. 156-155.000.
- von der Crone, Jost; Medinger, Bernhard; and Bugnon, Philippe 4,865,650, Cl. 106-494.000.
- von Sprecher, Georg; Frostl, Wolfgang; and Zust, Armin 4,833,169, Cl. 514-530.000.
- von Sprecher, Georg; and Waldmeier, Peter, 4,863,938, C 514-349.000.
- Waespe, Hans-Rudolf, 4,876,270, Cl. 514-439.000.
- Waldner, Adrian; and Meyer, Willy, 4,889,933, Cl. 546-114.000.
- Wallquist, Olof; Iqbal, Abul; Pfenninger, Johannes; and Rochat Alain C., 4,810,802, Cl. 548-453.000.
- Wasley, Jan W. F., 4,803,197, Cl. 514-211.000.
- Wasley, Jan W. F., 4,882,339, Cl. 514-319.000.
- Watthey, Jeffrey W. H., 4,824,868, Cl. 514-651.000.
- Watthey, Jeffrey W. H., 4,824,868, Cl. 514-651.000.
- Weith, Andrr J.; and Narbel, Philippe M., 4,818,765, C 514-440.000.
- Wenk, Paul; Sallmann, Alfred; and Beck, Andreas, 4,863,942, C 514-381.000.
- Winter, Ronald A. E.; and Galbo, James P., 4,831,134, C 540-524.000.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,808,755, C 564-501.000.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,830,770, C 252-77.000.
- Wirth, Hermann O.; Schneider, Rainer; and Friedrich, Hans-Helmut, 4,835,310, Cl. 252-47.500.
- Wirth, Hermann O.; and Muller, Klaus, 4,847,457, Cl. 562-8.000.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,863,621, C 252-47.500.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,886,610, C 252-32.500.
- Yokoyama, Naokata, 4,814,450, Cl. 546-82.000.
- Yokoyama, Naokata, 4,826,854, Cl. 514-293.000.
- Zahir, Abdul-Cader; and Mechera, Karl, 4,801,660, C 525-481.000.
- Zappia, Jean M.; and Capocci, Gerald A., 4,822,833, Cl. 524-99.000.
- Zimmermann, Markus, 4,853,393, Cl. 514-318.000.
- Zink, Rudolf, 4,806,657, Cl. 549-226.000.
- Zink, Rudolf, 4,847,378, Cl. 544-252.000.
- Zondler, Helmut; Hubele, Adolf; and Nyfeler, Robert, 4,840,66 Cl. 71-92.000.
- Zondler, Helmut; Eckhardt, Wolfgang; and Nyfeler, Robert 4,849,009, Cl. 71-92.000.
- Zondler, Helmut; Eckhardt, Wolfgang; Nyfeler, Robert; and Bruner, Hans-Georg, 4,851,028, Cl. 71-76.000.
- Ciba-Geigy Ltd.: *See—*
  - Nohl, Andre J.; Nau, Vance J.; and Metzger, Andre, 4,866,996, Cl. 73-864.000.
- Cibela Patents C.C.: *See—*
  - Lategan, Christiaan B.; and Schwellnus, Theodore E., 4,819,33 Cl. 33-437.000.
- Cibie Projecteurs: *See—*
  - Carel, Pierre; and Blusseau, Eric, 4,859,043, Cl. 350-452.000.
  - Collot, Patrice; and Luciani, Bernard, 4,803,601, Cl. 362-80.000.
  - Collot, Pierre; and Brun, Norbert, 4,797,797, Cl. 362-348.000.
  - Dilouya, Gilbert, 4,823,246, Cl. 362-328.000.
  - Dorleans, Guy, 4,822,302, Cl. 439-544.000.
  - Leleve, Joel, 4,865,059, Cl. 134-56.00R.
  - Luciani, Bernard, 4,827,367, Cl. 362-61.000.
  - Luciani, Bernard, 4,841,423, Cl. 362-304.000.
- Cibles Descos S.A.R.L.: *See—*
  - Descos, Rene; and Laporte, Jean-Claude, 4,802,676, Cl. 273-363.000.
- CIC Int'l. Corp.: *See—*
  - Levine, Morris M., 4,821,366, Cl. 15-344.000.
- CIC Systems, Inc.: *See—*
  - Gilmore, Kevin J.; Marrinson, Andrew H.; and Jahnke, William A., 4,795,892, Cl. 235-381.000.
- Cicak, Michael J., to Glasstech International, L.P. Controlled zone defrosting system. 4,864,100, 9-5-89, Cl. 219-203.000.
- Ciccarone, Angelo, to Alfa Romeo Auto S.p.A. Exhaust system for an internal combustion engine. 4,819,428, 4-11-89, Cl. 60-323.000.
- Ciccarone, Angelo, to Alfa-Lancia Industriale S.r.l. Device for the governing of the supercharging pressure of an internal combustion engine. 4,849,897, 7-18-89, Cl. 364-431.080.
- Ciccarone, Angelo; Oldani, Emilio, and Scapecchi, Pier L., to Alfa Lancia Industriale S.p.A. Head for an internal combustion reciprocating engine. 4,884,539, 12-5-89, Cl. 123-310.000.
- Cicchiello, James V.: *See—*
  - Ryles, Roderick G.; Robustelli, Albert G.; and Cicchiello, James V., 4,825,949, Cl. 166-294.000.
- Cicci, Thomas, to Fusion Systems Corporation. Ink transfer with partial curing. 4,836,102, 6-6-89, Cl. 101-41.000.
- Cicciarelli, Raymond J.; and Millis, David B., to International Business Machines Corp. System for ensuring device compatibility. 4,870,591, 9-26-89, Cl. 364-468.000.
- Ciccolallo, Gino; and Simoni, Giancarlo, to Siroflex s.r.l. Modular element based liquid distributor. 4,819,877, 4-11-89, Cl. 239-266.000.
- Ciccotelli, Stephen S. Swim fin. 4,869,696, 9-26-89, Cl. 441-61.000.
- Cicerone, Arnold. Universal master breakout unit for testing avionic systems. 4,870,347, 9-26-89, Cl. 324-73.00R.
- Cichanowicz, Peggy W.; and Belly, Robert T., to Eastman Kodak Company. Rapid differentiation of bacteria using polyether antibiotics. 4,885,239, 12-5-89, Cl. 435-34.000.
- Cichanowicz, Peggy W.; and Belly, Robert T., to Eastman Kodak Company. Rapid differentiation of fungi from bacteria using polyene antibiotics. 4,888,287, 12-19-89, Cl. 435-34.000.
- Cichanowski, Michael F. Fiber and resin construction. 4,800,114, 1-24-89, Cl. 428-175.000.
- Cichanski, Frank J., to Sonoscan, Inc. Method and system for dual phase scanning acoustic microscopy. 4,866,986, 9-19-89, Cl. 73-600.000.
- Cicin-Sain, Ivo, to Danieli & C. Officine Mecchaniche SpA; and ITI/CCM Impianti Tecnici Industriale SpA. Machine to restore railway road beds with a continuous endless-conveyor riddle. 4,846,282, 7-11-89, Cl. 171-16.000.
- Cielker, Werner. Clamp for gripping a flexible member. 4,819,911, 4-11-89, Cl. 254-134.3FT.
- Cielo, Paolo; Krapez, Jean-Claude; Cole, Kenneth C.; and Vaudreuil, Ghislain, to Canadian Patents and Development Limited. Method and apparatus for evaluating the degree of cure in polymeric composites. 4,874,948, 10-17-89, Cl. 250-341.000.
- Ciepichal, Thomas P., to Monroe Auto Equipment Company. Method and apparatus for sealing. 4,865,170, 9-12-89, Cl. 188-322.170.
- Cieri, Joseph J.; Kocher, Mark J.; Gareis, Ronald E.; Holet, Kenneth M.; and Tuso, Michael J., to GE Fanuc Automation North America, Inc. Programmable controller input/output communications system. 4,872,136, 10-3-89, Cl. 364-900.000.
- Cieri, Joseph J.: *See—*
  - Near, Timothy P.; Cieri, Joseph J.; and Holet, Kenneth M., 4,799,052, Cl. 340-825.500.
- Cierlak, Siegfried: *See—*
  - Reis, Werner; and Cierlak, Siegfried, 4,850,687, Cl. 350-486.000.
- Cierpka Henning. Complex salt. 4,822,784, 4-18-89, Cl. 514-184.000.
- Ciesiolka, Thomas: *See—*
  - Zeeck, Axel; Ciesiolka, Thomas; Rohr, Jurgen; Zahner, Hans; and Drautz, Hannelore, 4,859,655, Cl. 514-34.000.
- Cieslik, Jerzy; Flak, Marek; Kuczka, Eugeniusz; Oles, Franciszek; Marszycki, Zdsizlaw; and Olender, Kornel, to Gwarectwo Mechanizacji Gornictwa "Polmag" Przedsiebiorstwo Panstwowe Fabryka Zmechanizowanych Obudow Scianowych Fazos. Lemniscate mining supports. 4,856,940, 8-15-89, Cl. 405-296.000.
- Cieslik, Wolfgang: *See—*
  - Scafer, Hans G.; Cieslik, Wolfgang; Opdenwinkel, Heinz; Vogts, Axel; Poppel, Gunter; and Schurmann, Horst, 4,863,485, Cl. 44-16.00R.
- Cigarette Components Limited: *See—*
  - Hayes, Ernest B., 4,807,647, Cl. 131-336.000.
- Cigna, Giuseppe; Fasulo, Gian C.; Biglione, Gianfranco; and Borghi, Italo, to Montedipe S.p.A. Stengthened high impact styrene polymers showing improved physical-mechanical properties. 4,849,473, 7-18-89, Cl. 525-86.000.
- Cignetti, Nicolas P.; Mortimer, John H.; and Swaney, Richard U., to Inductotherm Corp. Micro mill continuous steel process. 4,836,273, 6-6-89, Cl. 164-471.000.
- Cigolotti, Jean-Pierre; Devillierre, Denis; Leblanc, Jean; and Schwartz, Reinhard, to Robert Bosch GmbH. Method for mounting an injection pump on an internal combustion engine. 4,829,646, 5-16-89, Cl. 29-156.40R.
- Cii Honeywell Bull: *See—*
  - Timsit, Claude, 4,817,035, Cl. 364-900.000.
  - Ugon, Michel; and Guillou, Louis, 4,807,288, Cl. 380-30.000.
- Cii Honeywell Bull (Societe Anonyme): *See—*
  - Timsit, Claude, 4,849,929, Cl. 364-900.000.
- Cikanek, Harry A.: *See—*
  - Hunter, Charles E.; and Cikanek, Harry A., 4,883,032, Cl. 123-276.000.
- Cilco, Inc.: *See—*
  - Gordy, Walker L., 4,815,218, Cl. 33-628.000.
  - Jaffe, Norman S., 4,822,358, Cl. 623-6.000.
- Cilen, Nellie: *See—*
  - McGuinness, Roger M.; and Cilen, Nellie, 4,869,741, Cl. 62-24.000.
- Ciliberti, David F.: *See—*
  - Griffin, Rodney L.; Ciliberti, David F.; and Lippert, Thomas E., 4,812,149, Cl. 55-71.000.
- Cilladi, David R.; Sunderlin, Jeffrey C.; Tippett, Steven R.; and Karns, Patrick B. Soft playing orthopedic splint. 4,829,992, 5-16-89, Cl. 128-90.000.
- Cilles, Arthur L., to Dresser Industries, Inc. Pilot operated stepping directional valve and method for single line operation. 4,813,749, 3-21-89, Cl. 299-80.000.
- Cima Impianti S.p.A.: *See—*
  - Galigani, Tiziano, 4,871,305, Cl. 425-35.000.
- Cimarron Technology Ltd.: *See—*
  - Guadagno, James R., 4,862,807, Cl. 104-130.000.
  - Guadagno, James R., 4,862,809, Cl. 104-292.000.
- Cimbal, Jochen: *See—*
  - Steijger, Wilfridus; Odemer, Michael; Schweingruber, Otto, and Cimbal, Jochen, 4,848,171, Cl. 74-42.000.
- Cimbalik, David J.: *See—*
  - Strong, Michael R.; Sell, James C., Jr.; and Cimbalik, David J., 4,799,513, Cl. 137-625.480.
- Cimco, Inc.: *See—*
  - Bagwell, James T.; and Howe, Blair E., 4,880,111, Cl. 206-209.100
  - Howe, Blair F., 4,819,625, Cl. 128-200.180.
- Cimenti, Giovanni: *See—*
  - Mailliet, Pierre; Lonardi, Emile; and Cimenti, Giovanni, 4,889,004, Cl. 74-479.000.
- Cimijotti, Raymond L.: *See—*
  - Behrens, Linda M.; Blohm, Neil A.; Cimijotti, Raymond L.; Corfits, William D.; and Rasmussen, Jerry R., 4,821,146, Cl. 361-383.000.
- Cimino, Gerald D., to Vans America, Inc. Camper van conversion kit. 4,834,273, 5-30-89, Cl. 224-42.210.
- Cimino, Robert. Random numeral selecting device. 4,807,882, 2-28-89, Cl. 273-144.00B.
- CIMM, Inc.: *See—*
  - Babcock, Douglas M., 4,845,843, Cl. 29-829.000.
  - Matrone, John L.; Stamp, Ronald L.; and Babcock, Douglas M., 4,850,104, Cl. 29-829.000.
- Cimperman, Fred J., to Ashlock Company, a Division of Vistan Corporation. Apparatus for aligning articles. 4,831,924, 5-23-89, Cl. 99-538.000.
- Cimperman, Fred J., to Ashlock Company. Method for pitting olives. 4,871,568, 10-3-89, Cl. 426-484.000.
- Cimperman, Fred J., to Ashlock Company. Method and apparatus for pitting and slicing olives. 4,876,954, 10-31-89, Cl. 99-545.000.
- Cimsa Sintra: *See—*
  - Martin, Jean C., 4,835,687, Cl. 364-402.000.
  - Oget, Christian, 4,803,685, Cl. 371-33.000.
- Cimulec, S.A.: *See—*
  - Eberhardt, Andre; Dominiak, Serge; Berveiller, Marcel; Lucas, Jean P.; and Guyon, Robert P. Y., 4,857,387, Cl. 428-209.000
- Cinadr, Bernard F., to B. F. Goodrich Company, The. Chlorinated polyvinyl chloride-vinyl acetate copolymers having good low and high temperature stability. 4,874,823, 10-17-89, Cl. 525-329.200.
- Cincinnati Electronics Corporation: *See—*
  - Dapore, Mark A.; and Titus, Daniel A., 4,864,639, Cl. 455-226.000.
  - Geile, Michael; Dapper, Mark; and Hill, Terrance, 4,879,527, Cl. 331-1.00A.
- Cincinnati Incorporated: *See—*
  - Dressing, Paul A.; and Macdonald, John L., 4,797,831, Cl. 364-474.070.
  - Graf, Raymond J.; and Tucker, Scott D., 4,819,467, Cl. 72-8.000.
- Cincinnati Microwave, Inc.: *See—*
  - Allen, Paul M., 4,887,753, Cl. 224-312.000.
  - Biggs, Michael A.; and Jaeger, James L., 4,862,175, Cl. 342-20.000.
- Cincinnati Milacron, Inc.: *See—*
  - Bailey, Edward J., 4,827,786, Cl. 74-409.000.
  - Berchtold, Merrill E.; and Witzel, John R., 4,807,518, Cl. 91-421.000.
  - Brande, David, 4,795,172, Cl. 277-165.000.
  - Clinkenbeard, William L.; and Lea, James G., 4,870,613, Cl. 364-900.000.
  - Dinerman, Alex, 4,850,851, Cl. 425-562.000.
  - Dobrowsky, Josef, 4,882,104, Cl. 264-40.100.
  - Dreisig, Robert C.; and McDonald, David I., 4,858,980, Cl. 294-99.100.
  - Gibbemeyer, Joseph F., 4,795,023, Cl. 198-468.600.
  - Gibbemeyer, Joseph F., 4,801,001, Cl. 198-468.200.
  - Gibbemeyer, Joseph F., 4,818,212, Cl. 425-529.000.
  - Haffner, James L., 4,840,483, Cl. 356-153.000.
  - Haggerty, William A., 4,796,195, Cl. 364-474.350.
  - Hasz, John R., 4,800,790, Cl. 82-31.000.
  - Leigh, Gary G.; and Schwab, James F., 4,807,501, Cl. 82-31.000.

Matson, Charles B., 4,823,516, Cl. 51-367.000.
Mayfield, Ralph W., 4,864,883, Cl. 74-424.80R.
Molmans, Albertus M. H., 4,828,730, Cl. 252-28.000.
Schnelle, Joseph W.; Webb, Gregory; Tarvin, Ronald L.; and Brown, James V., 4,835,710, Cl. 364-313.000.
Stone, Kirby L.; Kneifel, R. W., II; and Brockman, John P., 4,799,981, Cl. 156-64.000.
Swope, David C., 4,808,899, Cl. 318-619.000.
Vaniglia, Mario M., 4,872,619, Cl. 242-7.210.
Vaniglia, Milo M., 4,877,193, Cl. 242-7.210.
Wiebe, Harold D., 4,821,167, Cl. 364-138.000.
Wisbey, Jerry D., 4,869,774, Cl. 156-523.000.
Young, Frederick C.; and Binder, Walter, 4,804,170, Cl. 267-279.000.

Cincinnati-Vulcan Company: *See—*
Sturwold, Robert J., 4,885,104, Cl. 252-48.400.

Cindric, Emil J. Parts orientor & method. 4,801,043, 1-31-89, Cl. 221-1.000.

Cine Coasters, Inc.: *See—*
Stern, Jon L.; Katz, Richard S., Jr.; and Hippely, Keith A., 4,795,211, Cl. 297-194.000.

Cinel, Luciano; Cortiana, Giorgio; Freschie, Filippo; Ceccherini, Gianni; and Cocchi, Vittorio, to Enricherche, S.p.A.; and Enichem Augusta, S.p.A. Gripper tape drive device for shuttleless loom. 4,844,132, 7-4-89, Cl. 139-449.000.

Cineonix, Inc.: *See—*
Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 4,886,230, Cl. 248-170.000.

Cini, Carlo: *See—*
Pertotti, Franco; Cini, Carlo; Contiero, Claudio; and Galbiati, Paola, 4,887,142, Cl. 357-43.000.

Ciniglio, Alexander J., to Evenoak Limited. Soldering apparatus. 4,832,247, 5-23-89, Cl. 228-33.000.

Ciniglio, Alexander J. Soldering apparatus. 4,873,938, 10-17-89, Cl. 118-302.000.

Cino, Paul: *See—*
Dominico, James; Cino, Paul; and Fardin, Carlos E., 4,805,758, Cl. 198-444.000.

Cinotti, Andrea, to Wrapmatic S.p.A. Feed apparatus for strip wrapping material, used in conjunction with a wrapping machine of the type wherein the commodity to be enveloped impinges on the wrapping sheet. 4,811,544, 3-14-89, Cl. 53-64.000.

Cinotti, Andrea, to Wrapmatic S.p.A. Apparatus for the automatic separation of stacked sheets of large format paper into reams, and for subsequent transfer of the reams to wrapping machinery. 4,861,227, 8-29-89, Cl. 414-796.800.

Cinotti, Andrea, to Wrapmatic S.p.A. Apparatus for the automatic separation into reams of a stack of large format sheets of paper the ream divisions of which are counted off previously and indicated by markers. 4,877,367, 10-31-89, Cl. 414-796.000.

Cinpres Limited: *See—*
Hendry, James W.; and Cahan, Geoffery D., 4,824,732, Cl. 428-542.800.

Cinqualbre, Jean: *See—*
Karcher, Gilles; Amor, Max; Abensour, David; and Cinqualbre, Jean, 4,856,527, Cl. 128-634.000.

Cinquino, John. Method and apparatus for monitoring bridge structures for scouring. 4,855,966, 8-8-89, Cl. 367-99.000.

Cintas Corporation: *See—*
Milton, David W., 4,873,878, Cl. 73-865.800.

Cintolo, Carmelo. Metal plate for personalizing a bracelet. 4,838,042, 6-13-89, Cl. 63-3.000.

Cinzori, Carl; Williams, Carl, Jr.; Mitchell, Clair E.; and Striker, David L., to Ford Motor Company. Method of making a rectifier and control module for an alternator. 4,799,309, 1-24-89, Cl. 29-596.000.

Cioaca, Dumitru G., to Seeq Technology, Inc. Three transistor high endurance eeprom cell. 4,855,955, 8-8-89, Cl. 365-185.000.

Ciocca, Baldo; Formigoni, Attilio; and Epis, Gino, to S.I.P.C.A.M. S.p.A - Societa Italiana Prodotti Chimici e per l'Agricoltura Milano. Stabilized herbicide composition based on meta-biscarbamates. 4,814,000, 3-21-89, Cl. 71-111.000.

Ciolino, John V.: *See—*
Morse, Hugh B.; and Ciolino, John V., 4,802,609, Cl. 222-158.000.

Ciolino, Laura A.; and Clancy, Shaun F., to Drackett Company, The. Cleaning composition containing a colorant stabilized against fading. 4,803,008, 2-7-89, Cl. 252-162.000.

Ciolino, Laura A., to Drackett Company, The. Cleaning compositions containing a colorant stabilized against fading. 4,822,854, 4-18-89, Cl. 252-174.190.

Ciommer, Bernd: *See—*
Hammann, Peter; Grabley, Susanne; Raether, Wolfgang; Ciommer, Bernd; Kluge, Heinz; and Sachse, Burkhard, 4,873,347, Cl. 549-267.000.

Ciotola, Alfredo A. Self-aligning sealing means for pumps and other machinery, including rotating shafts. 4,832,351, 5-23-89, Cl. 277-81.00R.

Ciparisso, Delio, to Satis Vacuum AG. Vacuum vapor-deposition apparatus for coating an optical substrate. 4,817,559, 4-4-89, Cl. 118-731.000.

Cipel & Les Piles Wonder: *See—*
Lievin, Robert, 4,845,599, Cl. 362-72.000.

Cipelletti, Alberto, to Cipelletti, Alberto Ditta. Sterilizing device for an ice-cream or similar delivering machine. 4,867,052, 9-19-89, Cl. 99-451.000.

Cipelletti, Alberto Ditta: *See—*
Cipelletti, Alberto, 4,867,052, Cl. 99-451.000.

Cipher Data Products, Inc.: *See—*
McGee, Jeffrey S.; and Kadien, Thomas C., 4,812,825, Cl. 242-195.000.
Murphy, John F.; Barton, William M., Jr.; Jacobs, Lynn C.; McGee, Jeffrey S.; Netzeband, William F.; Johnson, Roger S.; and Dinas, Thomas J., 4,809,099, Cl. 360-95.000.

Cipolla, Stephen D.; Burnham, Paul W.; and Holland, Carl W., to Xerox Corporation. Developer apparatus with removable developer waste sump. 4,850,303, 7-25-89, Cl. 118-653.000.

Cipolla, Thomas M.; Horton, Raymond R.; Murphy, Philip; and Palmer, Michael J., to International Business Machines Corporation. Alignment device. 4,875,614, 10-24-89, Cl. 228-5.500.

Ciprandi, Riccardo, to Ciprandi S.n.c. di Ciprandi Riccardo & C. Motorized belt squeezing equipment for the treatment of wet fabrics, tapes, knitted goods and similar. 4,866,956, 9-19-89, Cl. 68-22.00R.

Ciprandi S.n.c. di Ciprandi Riccardo & C.: *See—*
Ciprandi, Riccardo, 4,866,956, Cl. 68-22.00R.

Cipriani, Gioacchino; and Landoni, Gianluigi, to Enichem Sintesi S.p.A. Self-extinguishing compositions of thermoplastic polymers. 4,812,499, 3-14-89, Cl. 524-96.000.

Cipriani, Gioacchino; and Mariano, Armando, to Enichem Sintesi S.p.A. Oligomer flame-retarding additive, process for its preparation and its use for endowing a linear polyester with self-extinguishing characteristics. 4,812,502, 3-14-89, Cl. 524-125.000.

Cipriano, Anthony P.; and Bortmas, Howard J., to Wean Industries Inc. Continuous treating of a strip-like product. 4,807,653, 2-28-89, Cl. 134-64.00R.

Cipriano, Joseph J.: *See—*
Parliment, Thomas H.; Cipriano, Joseph J.; and Scarpellino, Richard, 4,857,340, Cl. 426-96.000.

Cipriano, Robert A.; Snelgrove, R. Vernon; and McCullough, Francis P., Jr., to Dow Chemical Company, The. Non-aqueous electrochemical cell. 4,877,695, 10-31-89, Cl. 429-102.000.

Cipriano, Robert A.: *See—*
McCullough, Francis P., Jr.; Cipriano, Robert A.; and Snelgrove, R. Vernon, 4,886,715, Cl. 429-103.000.

Cipriano, Vicki L.: *See—*
Cochran, Stuart A.; Benjamin, Earl J.; Crocker, Mary E.; Seidel, William C.; and Cipriano, Vicki L., 4,885,180, Cl. 426-281.000.

Cips KB: *See—*
Hansen Kaad, Flemming; and Pettersson, Ola, 4,880,59[illegible], Cl. 419-1.000.

Cirami, Salvatore. Child-resistant disposable lighter. 4,830,603, 5-16-89, Cl. 431-153.000.

Circle A Product, Inc.: *See—*
Anderson, Marvin L.; and Irvine, Gerald O., 4,842,108, Cl. 19[illegible]-12.20A.

Circle Chemical Company, Inc.: *See—*
Duminy-Kovarik, Isabelle Y., 4,812,249, Cl. 252-62.520.

Circle K Enterprises, Inc.: *See—*
Kramer, Donald D., 4,881,548, Cl. 128-376.000.

Circon ACMI Division of Circon Corporation: *See—*
D'Amelio, Frank D.; DeLemos, Dawn M.; Esposito, Dominick G.; Maxfield, Michelle D.; Petruzzi, Claude E.; and Quint, Robert H., 4,823,791, Cl. 123-303.140.

Circon Corporation: *See—*
Morris, David L.; Filip, Mihail; D'Amelio, Frank D.; Esposito, Dominick G.; and Quint, Robert H., 4,874,364, Cl. 604-35.00[illegible]
Sluyter, Erik, 4,805,027, Cl. 358-225.000.

Circuits and Systems, Inc.: *See—*
Sunstein, Drew E.; and Caseley, Clifford D., 4,856,90[illegible], Cl. 356-435.000.

Cirelli, Giorgio; Steffen, Hans; and Surber, Christian, to Hoffmann-La Roche Inc. Portable injection appliance. 4,886,499, 12-12-89, Cl. 604-131.000.

Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irrure, Jose P., to Sociedad Espanola De Especialidades Terepeuticas, S.A. Vasodilatory dihydrodibenzocycloheptylidene ethyl piperazine derivatives and process for the preparation of these compounds. 4,835,156, 5-30-89, Cl. 514-255.000.

Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irurre, Jose P., to Sociedad Espanola de Especialidades Farmacoterapeuticas. Antiulcer dihydrodibenzocycloheptylidene ethylamine derivatives and process for the preparation of these compounds. 4,835,179, 5-30-89, Cl. 514-510.000.

Ciriacks, John A.; and Butcher, Charles H., to Engineered Systems International, Inc. Methods for reducing anions in process chemicals. 4,865,750, 9-12-89, Cl. 210-757.000.

Ciriello, Albert. Battery blanket device. 4,873,159, 10-10-89, Cl. 429-120.000.

Cirigliano, Michael C.: *See—*
Izzo, Henry J.; Pincus, Stephen M.; Theiler, Jane B.; and Cirigliano, Michael C., 4,882,187, Cl. 426-335.000.

Cirillo, Evelyn J. Hearing aid holding means and method of using same. 4,830,139, 5-16-89, Cl. 181-130.000.

Cirillo, Gianna: *See—*
Geri, Sergio; Costanzi, Fabio; Cirillo, Gianna; and Moggi, Giovanni, 4,831,083, Cl. 525-199.000.
Moggi, Giovanni; Cirillo, Gianna; Aglietto, Mauro; and Benedetti, Enzo, 4,840,994, Cl. 525-72.000.
Moggi, Giovanni; Chiodini, Graziella; Cirillo, Gianna; and Geri, Sergio, 4,857,598, Cl. 525-194.000.
Strepparola, Ezio; Moggi, Giovanni; and Cirillo, Gianna, 4,810,7[illegible], Cl. 525-359.300.

Cirillo, Nicholas C., Jr.: *See—*
Abrokwah, Jonathan K.; Cirillo, Nicholas C., Jr.; Shur, Michael S.; and Tufte, Obert N., 4,814,851, Cl. 357-42.000.

Ciriscioli, Peter R.; and Cook, Michael W., to L.C.P., Inc. Introductory portion. 4,858,966, 8-22-89, Cl. 285-200.000.

Cirkel, Hans-Jurgen; Bette, Willi; and Muller, Reinhard, to Kraftwerk Union Aktiengesellschaft. High-energy laser system. 4,887,275, 12-12-89, Cl. 372-83.000.

Ciroux, Jean: *See—*
Chauvel, Gerard; and Ciroux, Jean, 4,811,344, Cl. 371-15.000.

CISAP S.p.A.: *See—*
Fantacci, Tosco, 4,881,488, Cl. 118-320.000.
Fantacci, Tosco, 4,881,882, Cl. 425-38.000.

Cisar, Alan J.; and Henslee, Walter W., to Dow Chemical Company, The. Corrosion resistant refractory coating. 4,834,798, 5-30-89, Cl. 106-14.120.

Cisar, James M.: *See—*
Sadler, Stanley R., Jr.; and Cisar, James M., 4,830,407, Cl. 283-102.000.

Cisek, Richard J., Jr.: *See—*
Corbo, Thomas E.; Cisek, Richard J., Jr.; Matthews, Kathryn M.; and Sehringer, George K., 4,854,060, Cl. 40-152.100.

Cisler, Bruce W., to Prince Corporation. Two-way vanity mirror visor. 4,807,093, 2-21-89, Cl. 362-74.000.

Cisternino, Francesco: *See—*
Calvani, Riccardo; Caponi, Renato; and Cisternino, Francesco, 4,817,206, Cl. 455-616.000.
Calvani, Riccardo; Caponi, Renato; and Cisternino, Francesco, 4,832,492, Cl. 356-349.000.
Calvani, Riccardo; Caponi, Renato; Cisternino, Francesco; and Coppa, Gianni, 4,866,266, Cl. 250-227.000.

CITEC Corporation: *See—*
Morioka, Kazuo; Kokubo, Takashi; Imazeki, Youichi; and Murayama, Hideharu, 4,847,710, Cl. 360-72.200.

Citelli, Giosue': *See—*
Mancosu, Federico; and Citelli, Giosue', 4,823,785, Cl. 128-202.150.

CITIC Technology, Inc.: *See—*
Wang, Xiangsheng, 4,870,974, Cl. 128-700.000.

Cities Service Oil and Gas Corporation: *See—*
Gregoli, A. A.; Oko, Uriel M.; and Leder, Frederic, 4,818,370, Cl. 208-106.000.
Jasinski, Raymond J., 4,840,719, Cl. 204-404.000.
Jasinski, Raymond J., 4,863,572, Cl. 204-1.00T.
Sandiford, Burton B.; and Zillmer, Roger C., 4,796,700, Cl. 166-270.000.

Citisource Inc.: *See—*
Mosciatti, Roger; Foley, Thomas P.; Moritz, Frederick; and Burge, Jack, 4,828,406, Cl. 400-23.000.

Citizen Watch Co., Ltd.: *See—*
Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masaru; Wada, Toshiaki; and Nakaoka, Junichi, 4,794,736, Cl. 51-165.720.
Hasegawa, Kazumi; Ikeda, Hiroshi; and Ito, Wataru, 4,813,800, Cl. 400-606.000.
Hayashi, Yutaka; Ishihara, Seiichi; and Hiraishi, Hisato, 4,818,867, Cl. 250-229.000.
Hayashi, Yutaka; Hayabuchi, Itsunari; Tsuchiya, Tatsuo; and Ishihara, Seiichi, 4,868,632, Cl. 357-54.000.
Imoto, Satoshi, 4,826,294, Cl. 350-345.000.
Ishida, Yoshihiro; Iinuma, Yoshio; and Ichikawa, Shingo, 4,868,634, Cl. 357-68.000.
Iwamura, Hichihiro; and Kitabayashi, Eiichi, 4,856,687, Cl. 224-169.000.
Iwata, Masaji, 4,869,609, Cl. 400-323.000.
Kaneko, Masahiko, 4,821,221, Cl. 364-710.130.
Kawasaki, Yushi, 4,841,396, Cl. 360-104.000.
Kihara, Hiroyuki; and Mitaki, Kazuya, 4,879,669, Cl. 364-550.000.
Kimura, Soosaku; Itoh, Masaya; and Okabe, Takeshi, 4,811,525, Cl. 51-166.0MH.
Koike, Hirofumi; Endo, Yukio; and Mitsuhashi, Tadashi, 4,856,858, Cl. 350-6.600.
Komathu, Kathuzi, 4,822,550, Cl. 264-263.000.
Kunita, Masao; Koizumi, Michio; and Ohsawa, Seiichi, 4,852,480, Cl. 101-93.050.
Miyajima, Akira, 4,805,994, Cl. 350-336.000.
Moriya, Mikio; Furukawa, Jun'chi; Kawasaki, Makoto; and Iesaka, Tsutomu, 4,795,285, Cl. 400-320.000.
Moriya, Mikio, 4,832,244, Cl. 226-115.000.
Moriya, Takashi; Kunita, Masao; and Endo, Toshihiro, 4,795,283, Cl. 400-124.000.
Morokawa, Shigeru, 4,824,213, Cl. 350-336.000.
Morokawa, Shigeru; and Suzuki, Fuminori, 4,843,252, Cl. 307-264.000.
Nihira, Shohachi, 4,817,522, Cl. 101-93.340.
Ono, Kazuhito, 4,866,621, Cl. 364-413.030.
Shimizu, Shotaro; and Sakakibara, Yosuke, 4,853,048, Cl. 148-300.000.
Shinabe, Munehiro, 4,872,059, Cl. 358-241.000.
Sugimoto, Kenji; Takeuchi, Youji; and Yamashita, Shuichiro, 4,831,906, Cl. 82-118.000.
Suzuki, Yasushi, 4,852,976, Cl. 350-339.00R.
Takeuchi, Fumio, 4,858,283, Cl. 24-178.000.
Yokoyama, Takashi, 4,866,671, Cl. 364-900.000.

Citowsky, Elya L. Gold-tin eutectic lead bonding method and structure. 4,875,617, 10-24-89, Cl. 228-123.000.

Citron, Howard: *See—*
Costin, Dinu; and Citron, Howard, 4,802,800, Cl. 409-131.000.

Citron, Manning, to Jensen General Corp. Ventilator door and fan control assembly for range hood of a recreational vehicle. 4,867,047, 9-19-89, Cl. 98-116.000.

Citron, Robert A.: *See—*
Taylor, Thomas C.; and Citron, Robert A., 4,867,395, Cl. 244-158.00R.

Citron, Stephen J., to Purdue Research Foundation. Electrical technique for correcting bridge type mass air flow rate sensor errors resulting from ambient temperature variations. 4,807,151, 2-21-89, Cl. 364-510.000.

Citron, Stephen J.; and O'Higgins, John E., to Purdue Research Foundation. Cylinder-by-cylinder engine pressure and pressure torque waveform determination utilizing crankshaft speed fluctuations. 4,843,870, 7-4-89, Cl. 73-116.000.

Citrone, Gaetano W.: *See—*
Corsi, Vincent R.; and Citrone, Gaetano W., 4,872,534, Cl. 188-32.000.

Citrus Central, Inc.: *See—*
Brock, James E.; and DeUnger, William R., 4,812,172, Cl. 134-22.100.
Zysset, Edgar H.; and Atkinson, Raymond A., 4,804,105, Cl. 220-273.000.

Citta, Richard W.; Eck, John P.; and Mutzabaugh, Dennis M., to Zenith Electronics Corporation. Sound masking in phase reversal TV scrambling system. 4,802,213, 1-31-89, Cl. 380-7.000.

Citta, Richard W.; Gosc, Paul M.; Mutzabaugh, Dennis; and Sgrignoli, Gary J., to Zenith Electronics Corporation. Secure TV scrambling system using framing code switching. 4,817,144, 3-28-89, Cl. 380-20.000.

Citta, Richard W.; Gosc, Paul M.; Mutzabaugh, Dennis M.; and Sgrignoli, Gary J., to Zenith Electronics Corporation. Secure data packet transmission system and method. 4,876,718, 10-24-89, Cl. 380-42.000.

Citta, Richard W.; Long, Michael E.; and Mutzabaugh, Dennis M., to Zenith Electronics Corporation. Television signal encoder with reduced transient switching effects. 4,885,776, 12-5-89, Cl. 380-15.000.

Citterio, Attilio; and Fancelli, Daniele, to Blaschim S.p.A. Method of preparing ketoprofen. 4,845,281, 7-4-89, Cl. 562-460.000.

Citterio, Gianfranco. Metering container for thick and semi-thick cosmetic products, such as creams and the like. 4,801,052, 1-31-89, Cl. 222-386.000.

City of Hope: *See—*
Battifora, Hector A., 4,820,504, Cl. 424-3.000.
Chou, Chung-Kwang; and Zhong, Qiang-Rong, 4,865,047, Cl. 128-784.000.
Hogan, J. Martin, 4,869,719, Cl. 604-174.000.
Roberts, Eugene, 4,806,537, Cl. 514-253.000.
Roberts, Eugene, 4,812,447, Cl. 514-170.000.
Roberts, Eugene, 4,831,033, Cl. 514-255.000.
Roberts, Eugene, 4,835,147, Cl. 514-178.000.
Roberts, Eugene, 4,868,161, Cl. 514-49.000.
Rossi, John J., 4,874,853, Cl. 536-27.000.

City of Hope National Medical Center: *See—*
Hogan, J. Martin, 4,820,282, Cl. 604-263.000.
Hogan, John M., 4,842,586, Cl. 604-192.000.

City Technology Limited: *See—*
Tantram, Anthony D. S., 4,815,316, Cl. 73-38.000.
Tantram, Anthony D. S.; and Gilbey, Jonathon H., 4,829,809, Cl. 73-23.000.

Citycrown, Inc.: *See—*
Council, Buford W., Jr., 4,884,482, Cl. 82-1.110.

Ciucani, Mario. Device for operating and orientating a pair of automatic sewing machine needles. 4,846,086, 7-11-89, Cl. 112-121.130.

Ciucani, Mario. Automatic machine for sewing different kinds of articles, especially articles made of leather. 4,848,252, 7-18-89, Cl. 112-49.000.

Ciula, James C., to Louis Berkman Company, The. Plastic moldboards for snow plows and the like. 4,803,790, 2-14-89, Cl. 37-266.000.

Ciula, James C., to Louis Berkman Company, The. Plastic moldboards for snow plows and the like. 4,845,866, 7-11-89, Cl. 37-266.000.

Ciulli, Paolo. Portable table having a single supporting leg to be anchored to the ground and a tiltable top panel. 4,852,835, 8-1-89, Cl. 248-156.000.

Ciumaga, Massimo. Paint can pouring spout. 4,813,579, 3-21-89, Cl. 222-570.000.

Ciumaga, Massimo. Screw driving device. 4,873,900, 10-17-89, Cl. 81-436.000.

Civardi, Giuseppe: *See—*
Mizia, Franco; Rivetti, Franco; Romano, Ugo; Rivola, Luigi; and Civardi, Giuseppe, 4,849,170, Cl. 422-7.000.

Cividino, Lorenzo: *See—*
Guerrera, Nunzio; and Cividino, Lorenzo, 4,825,347, Cl. 363-41.000.

Civitelli, Gennaro. Door stop having multiple mounting positions. 4,858,273, 8-22-89, Cl. 16-86.00A.

Cizaire, Ivan. Bottle stand. 4,887,726, 12-19-89, Cl. 211-74.000.

Cizek, Arthur, to Baker Performance Chemicals Inc. Fluid for treatment of a subterranean well for enhancement of production. 4,871,024, 10-3-89, Cl. 166-307.000.

Cizek, Jaromir, to South African Inventions Development Corporation. Yarn testing method. 4,825,702, 5-2-89, Cl. 73-828.000.

Cizmecioglu, Muzaffer, to California Institute of Technology. Composites with improved fiber-resin interfacial adhesion. 4,842,933, 6-27-89, Cl. 428-378.000.

- CKD Corporation: *See—*
  - Mori, Nobuo; Takeuchi, Terumasa; and Kiyohara, Hiroshi, 4,805,516, Cl. 91-503.000.
  - Taki, Teluomi; and Toyoda, Shigehiro, 4,829,881, Cl. 92-88.000.
- CKD Kabushiki Kaisha: *See—*
  - Mizuno, Shinji; Kawato, Humio; Hanazawa, Kazuyoshi; Aoyama, Tatsuaki; and Ogasawara, Yoshinari, 4,875,911, Cl. 55-162.000.
- CL Pharma Aktiengesellschaft: *See—*
  - Binder, Dieter; Rovenszky, Franz; and Ferber, Hubert P., 4,841,065, Cl. 548-238.000.
  - Binder, Dieter; Rovensky, Franz; and Ferber, Hubert P., 4,877,809, Cl. 514-444.000.
  - Paltauf, Friedrich; Hermetter, Albin; and Franzmair, Rudolf, 4,814,112, Cl. 260-403.000.
  - Schermanz, Karl; Saischek, Gerald; Urmann, Robert; and Martetschlager, Kurt, 4,812,465, Cl. 514-340.000.
  - Schlunken, Heinrich, 4,795,646, Cl. 424-489.000.
- Cla-Val Co.: *See—*
  - Ensign, Harold W., 4,865,078, Cl. 137-636.100.
  - Ensign, Harold W., 4,874,531, Cl. 210-744.000.
- Claar, James A.; Thomas, Stephen J.; and Kindle, Betty J., to PPG Industries, Inc. Basecoat/clearcoat method of coating utilizing an anhydride additive in the thermoplastic polymer-containing basecoat for improved repairability. 4,798,746, 1-17-89, Cl. 427-407.100.
- Claar, James A.: *See—*
  - Martz, Jonathan T.; O'Dwyer, James B.; Thomas, Stephen J.; and Claar, James A., 4,798,745, Cl. 427-407.100.
- Claar, Klaus: *See—*
  - Mertin, Ralf; Claar, Klaus; Schilling, Jan; Schrader, Jurgen; Seel, Holger; Staiger, Helmut; Mangold, Artur; and Zweigart, Gerhard, 4,815,775, Cl. 292-201.000.
  - Robitschko, Peter; Claar, Klaus; Deischl, Hans, and Schumacher, Josef, 4,887,065, Cl. 340-430.000.
- Claar, Leslie M.: *See—*
  - Burgess, Roy T.; Campau, Gregory P.; Claar, Leslie M.; Hodges, Robert C.; Snow, Douglas G.; and Taylor, Roy, 4.862,789, Cl. 92-12.200.
- Claar, T. Dennis; Poste, Steven D.; Gesing, Adam J.; Sobczyk, Marek; Raghavan, Narashima S.; Creber, Dave K.; and Nagelberg, Alan S., to Lanxide Technology Company, LP. Production of ceramic and ceramic-metal composite articles incorporating filler materials. 4,824,625, 4-25-89, Cl. 264-126.000.
- Claar, Terry D.; Busch, Donald E.; and Picciolo, John J., to ARCH Development Corporation. Formation of thin walled ceramic solid oxide fuel cells. 4,883,497, 11-28-89, Cl. 29-623.500.
- Claar, Terry D.; Mason, Steven M.; Pochopien, Kevin P.; White, Danny R.; and Johnson, William B., to Lanxide Technology Company, LP. Process for preparing self-supporting bodies and products produced thereby. 4,885,130, 12-5-89, Cl. 419-12.000.
- Claas OHG: *See—*
  - Heidjann, Franz, 4,881,920, Cl. 460-66.000.
  - Hemker, Heinrich; and Heidjann, Franz, 4,884,993, Cl. 460-14.000.
  - Ostrup, Heinrich; and Sanders, Lambert, 4,864,807, Cl. 56-60.000.
  - Ostrup, Heinrich; and Eis, Gunter, 4,869,058, Cl. 56-208.000.
  - Ostrup, Heinrich; and Hegger, Josef, 4,875,331, Cl. 56-208.000.
  - Stein, Franz, 4,876,912, Cl. 74-535.000.
  - Weddeling, Otger, 4,825,760, Cl. 100-188.00R.
- Class Saulgau GmbH: *See—*
  - Arnold, Rudolf, 4,813,217, Cl. 56-228.000.
- Claasen, Theodoor A. C. M.: *See—*
  - Bergmans, Johannes W. M.; Claasen, Theodoor A. C. M.; and Van Gerwen, Petrus J., 4,835,765, Cl. 370-32.100.
  - Bergmans, Johannes W. M.; Claasen, Theodoor A. C. M.; and Van Gerwen, Petrus J., 4,856,026, Cl. 375-58.000.
  - Sommen, Petrus C. W.; Claasen, Theodoor A. C. M.; Van Gerwen, Petrus J.; and Kotmans, Hendrik J., 4,807,173, Cl. 364-724.180.
- Claassen, Cornelius J.: *See—*
  - Hickley, Pieter; and Claassen, Cornelius J., 4,854,129, Cl. 62-304.000.
- Claassen, Henning J., to Meltex Verbindungs-Technik GmbH. Slit nozzle. 4,798,163, 1-17-89, Cl. 118-410.000.
- Claassen, Henning J. Apparatus for liquefying a thermoplastic plastic. 4,811,863, 3-14-89, Cl. 222-146.500.
- Claassen, Henning J. Apparatus for liquefying a thermoplastic plastic. 4,848,420, 7-18-89, Cl. 141-82.000.
- Claassen, Henning J. Apparatus for the application of liquid adhesives to a substrate. 4,876,982, 10-31-89, Cl. 118-406.000.
- Clabburn, Robin J., to Raychem Limited. High voltage connector. 4,865,559, 9-12-89, Cl. 439-281.000.
- Clabburn, Robin J. T.; and Looms, John S. T., to Raychem Limited. Composite electrical insulator and method of forming same. 4,845,318, 7-4-89, Cl. 174-178.000.
- Clabes, Joachim G.; Hahn, Peter O.; Ho, Paul S.; Lefakis, Haralambos; and Rubloff, Gary W., to International Business Machines Corporation. Metal-polymer adhesion by low energy bombardment. 4,886,681, 12-12-89, Cl. 427-38.000.
- Clack, Robert A. Monitoring system for a liquid purification system. 4,806,912, 2-21-89, Cl. 340-603.000.
- Clack, William F.: *See—*
  - Scholz, Donald T.; and Clack, William F., 4,809,337, Cl. 381-94.000.
- Claerbaut, Kevin R.: *See—*
  - Rosenthal, Bruce C.; Zill, Kevin L.; Claerbaut, Kevin R.; Berglund, David M.; and Grover, Kenneth L., 4,878,524, Cl. 144-356.000.
- Claes, Paul E.: *See—*
  - Webster, Elizabeth A.; Newell, John C.; Baker, Brian J.; and Claes, Paul E., 4,815,067, Cl. 369-97.000.
- Claesson, Jan S.; Risman, Per O. G.; and Wass, Bo A., to U.S. Philips Corporation. Multi-resonant microwave oven having an improved microwave distribution. 4,816,632, 3-28-89, Cl. 219-10.55F.
- Claesson, Jan S.; and Risman, Per O. G., to U.S. Philips Corp. Feeding arrangement for a microwave oven. 4,849,592, 7-18-89, Cl. 219-10.55F.
- Claesson, Jan S.; and Risman, Per O. G., to U.S. Philips Corporation. Arrangement in a microwave oven. 4,855,554, 8-8-89, Cl. 219-10.55F.
- Claesson, Tore V., to Husqvarna Aktiebolag. Lawn mower support structure. 4,813,218, 3-21-89, Cl. 56-306.000.
- Claeys, Daniel A.; Timmerman, Daniel M.; Rutges, Antonius A.; Michels, Eddy A.; Vanmaele, Luc J.; and Kok, Piet, to AGFA-Gevaert, N.V. Dye diffusion transfer imaging process and image receptor used therein. 4,820,608, 4-11-89, Cl. 430-213.000.
- Claeys, Daniel A.: *See—*
  - Janssens, Wilhelmus; Timmerman, Daniel M.; and Claeys, Daniel A., 4,855,211, Cl. 430-213.000.
- Claeys, Ronald W.; and Decamp, Gary S. System for verifying and recording drug administration to a patient. 4,853,521, 8-1-89, Cl. 235-375.000.
- Claflin, David H. Mobile habitable container. 4,841,897, 6-27-89, Cl. 114-270.000.
- Clagett, Donald C.: *See—*
  - Blackmon, Kenneth P.; Clagett, Donald C.; Fox, Daniel W.; Maresca, Louis M.; and Shafer, Sheldon J., 4,876,317, Cl. 525-433.000.
  - Maresca, Louis M.; Clagett, Donald C.; and Wascher, Uwe S. 4,798,874, Cl. 525-425.000.
- Clagett, James A.: *See—*
  - Stanton, Thomas H.; Clagett, James A.; Schindele, Deborah C.; Renzoni, George E.; Andersen, Niels H.; and Opheim, Kent E. 4,803,170, Cl. 436-518.000.
- Claghorn, Roger O.: *See—*
  - Hwang, Shin L.; and Claghorn, Roger O., 4,865,576, Cl. 474-114.000.
  - Metzger, James I., Jr.; and Claghorn, Roger O., 4,846,036, Cl. 83-438.000.
- Clair Tech B.V.: *See—*
  - Ottengraf, Simon P. P., 4,806,148, Cl. 55-223.000.
- Clairol, Incorporated: *See—*
  - Anderson, James S., 4,857,071, Cl. 8-414.000.
  - Carlucci, Vito; and Kunz, Raymond, 4,879,443, Cl. 200-293.100.
  - Goeller, Loretta D., 4,834,118, Cl. 132-211.000.
  - Hahn, Charles R.; and Shapiro, Warren B., 4,873,079, Cl. 424-70.000.
  - Hilliard, Peter, 4,836,014, Cl. 73-76.000.
  - Jachowicz, Janusz; and Wong, Michael, 4,818,245, Cl. 8-188.000.
  - Kijek, James E.; Brown, Keith C.; and Murphy, Bryan P. 4,838,894, Cl. 8-412.000.
  - Lim, Mu-Ill; and Anderson, James S., 4,799,934, Cl. 8-414.000.
  - Reeves, Kevin E.; and Santhouse, Daniel, 4,860,775, Cl. 132-118.000.
  - Santhouse, Daniel; and Reeves, Kevin E., 4,797,533, Cl. 219-225.000.
  - Taylor, David C.; Springer, William E.; Goeller, Loretta; and Santhouse, Daniel, 4,799,124, Cl. 361-42.000.
- Clairson International: *See—*
  - Remmers, Lee, 4,795,041, Cl. 211-133.000.
- Clamens, Serge: *See—*
  - Teissier, Remy; and Clamens, Serge, 4,874,859, Cl. 544-221.000.
- Clamp Swing Pricing Co.: *See—*
  - Garfinkle, Benjamin L., 4,881,707, Cl. 248-221.400.
- Clamshell Partners, Ltd.: *See—*
  - Gardner, Kenneth; and Hunt, Rowland D., 4,879,848, Cl. 52-8.000.
  - Hunt, Rowland D.; and Gardner, Kenneth, 4,885,877, Cl. 52-2.000.
- Clancey, Patrick K.: *See—*
  - Selfridge, Philip T.; Leonard, John B., Jr.; and Clancey, Patrick K. 4,801,332, Cl. 106-273.100.
- Clancey, Stephen M.; Hjelmstad, Stanely D.; Lent, Mark S.; and Miller, Michael C., to Onan Corporation. Generator set and method. 4,835,405, 5-30-89, Cl. 290-1.00A.
- Clancey, William J., to Teknowledge, Inc. Knowledge based tutor. 4,847,784, 7-11-89, Cl. 364-513.000.
- Clancy, Gerald F.; Mundie, Craig J.; Schleimer, Stephen I.; Wallach, Steven J.; and Bratt, Richard G., to Data General Corporation. Universal addressing system for a digital data processing system. 4,821,184, 4-11-89, Cl. 364-200.000.
- Clancy, Kevin F., to Honeywell, Inc. Low cost keyboard with key tops defining surface of curved profile. 4,876,415, 10-24-89, Cl. 200-5.00A.
- Clancy, Robert L., to Broncostat Pty. Limited. Non-adjuvenated vaccine. 4,873,090, 10-10-89, Cl. 424-451.000.
- Clancy, Shaun F.: *See—*
  - Ciolino, Laura A.; and Clancy, Shaun F., 4,803,006, Cl. 252-162.000.
- Clancy, Vincent P.: *See—*
  - Majid, Abdul; Clancy, Vincent P.; and Sparks, Bryan D., 4,867,755, Cl. 44-604.000.
- Clanet, Frank; and Dellerm, Anne. Collapsible and inflatable piston for two- or multi- compartmental container. 4,877,156, 10-31-89, Cl. 222-386.500.
- Claney, Jim L.: *See—*
  - Fairchild, Paul W.; Claney, Jim L.; Fields, William G.; Bishop, Louis, Jr.; and Fly, Mark W., 4,876,949, Cl. 98-40.100.

- Clantex Limited: *See—*
  - Clarke, Frederick, 4,824,270, Cl. 401-48.000.
- Clanton, James M.: *See—*
  - Phillips, James G., Jr.; Harlow, Joanne; and Clanton, James M., 4,823,407, Cl. 2-202.000.
- Clanton, Thomas L.: *See—*
  - Larson, Douglas A.; and Clanton, Thomas L., 4,854,574, Cl. 272-99.000.
- Claor, Klaus: *See—*
  - Bruhnke, Ulrich; Korber, Jurgen; Fischer, Helmut; Jobmann, Ingo; Feichtiger, Dieter; Deischl, Hans; Weikert, Gunther; Schumacher, Josef; and Claor, Klaus, 4,848,509, Cl. 180-287.000.
- Clapham, Robert G., to Honeywell Inc. Wide dynamic range digital receiver. 4,804,963, 2-14-89, Cl. 342-195.000.
- Clapp, Guy C. Tilt-wall concrete panel and method of fabricating buildings therewith. 4,856,244, 8-15-89, Cl. 52-309.700.
- Clapp, Roy A. Simplified computer graphics perspectives. 4,845,643, 7-4-89, Cl. 364-518.000.
- Clapp, Timothy D.; and McCormick, William H., to Otis Engineering Corporation. Pressure actuated cleaning tool. 4,799,554, 1-24-89, Cl. 166-312.000.
- Clapp, William L.: *See—*
  - Bernasek, Edward; Bridle, Kenneth A.; Clapp, William L.; and Fagg, Barry S., 4,887,618, Cl. 131-297.000.
- Clapper, Dennis K.: *See—*
  - Perricone, Alphonse C.; Clapper, Dennis K.; and Enright, Dorothy P., 4,830,765, Cl. 252-8.510.
- Clapper, Robert C., to DCI Marketing. Tamper-proof display and dispensing apparatus. 4,807,779, 2-28-89, Cl. 221-92.000.
- Clar, Edward: *See—*
  - Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, 4,847,032, Cl. 264-322.000.
- Clardy, Bobbie. Method of cleaning a carpet. 4,853,041, 8-1-89, Cl. 134-6.000.
- Clardy, T. J.; and Meno, Henry, to Milam/Clardy, Inc. Apparatus for removing fluid from the ground and method for same. 4,871,302, 10-3-89, Cl. 417-404.000.
- Clare, Kenneth; and Hopkinson, Erle, to Kelco/AIL International Limited. Calcium/sodium alginate dye printing paste. 4,826,504, 5-2-89, Cl. 8-561.000.
- Clare, Kenneth; McMullen, James H.; Findlay, Medeana; and Gaisford, Susan E., to Kelco International Limited. Method of preparing a gelled omelette mix and the product produced thereby. 4,853,244, 8-1-89, Cl. 426-573.000.
- Clare, Kenneth; and Gibson, William, to Kelco International Limited. Calcium control system: hydrocolloid and alginate for dye printing. 4,859,208, 8-22-89, Cl. 8-557.000.
- Clare, Michael: *See—*
  - Hansen, Donald W., Jr.; Pitzele, Barnett S.; Clare, Michael; and Hamilton, Robert W., 4,822,775, Cl. 514-19.000.
  - Hansen, Donald W., Jr.; Hamilton, Robert W.; Pitzele, Barnett S.; and Clare, Michael, 4,847,241, Cl. 514-19.000.
  - Hansen, Donald W., Jr.; Pitzele, Barnett S.; Clare, Michael; and Hamilton, Robert W., 4,880,829, Cl. 514-445.000.
  - Pitzele, Barnett S.; Hansen, Donald W., Jr.; Hamilton, Robert W.; Pilipauskas, Daniel R.; and Clare, Michael, 4,797,470, Cl. 530-331.000.
- Claremon, David A.: *See—*
  - Baldwin, John J.; Ponticello, Gerald S.; Remy, David C.; Claremon, David A.; and King, Stella W., 4,803,286, Cl. 514-431.000.
- Clarenz, Werner: *See—*
  - Hess, Heinrich; Grogler, Gerhard; Kopp, Richard; Bock, Manfred; and Clarenz, Werner, 4,847,321, Cl. 524-788.000.
- Clarey, Robert J.: *See—*
  - Koslosky, Howard E.; Swedowski, John E.; Clarey, Robert J.; Grams, Allan E.; and Navratil, Frank, 4,870,542, Cl. 361-355.000.
- Clarion Co., Ltd.: *See—*
  - Akazawa, Shigeo; Mori, Masaharu; and Hamatsu, Masahiro, 4,866,734, Cl. 375-1.000.
  - Amazawa, Kiyoshi; and Mori, Akira, 4,862,097, Cl. 328-165.000.
  - Hamatsu, Masahiro; and Mori, Masaharu, 4,847,861, Cl. 375-1.000.
  - Hamatsu, Masahiro; and Kurihara, Takao, 4,862,479, Cl. 375-1.000.
  - Harada, Masaaki, 4,837,790, Cl. 377-33.000.
  - Harada, Masaaki; and Hamatsu, Masahiro, 4,845,654, Cl. 364-717.000.
  - Ito, Yukio; Yamada, Kimichika; and Ohkawa, Hiroyuki, 4,858,042, Cl. 360-96.500.
  - Kanai, Takao; Yamaguchi, Katsumi; Kinoshita, Shigeo; Yoshikawa, Kikuo; and Yokoi, Syouichiro, 4,835,636, Cl. 360-96.500.
  - Kinoshita, Shigeo; Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kanai, Takao; and Yokoi, Syouichiro, 4,828,158, Cl. 226-182.000.
  - Kobayashi, Shigetoshi; and Chiba, Terunobu, 4,829,595, Cl. 455-346.000.
  - Kobayashi, Shigetoshi, 4,877,925, Cl. 200-5.00A.
  - Koyama, Kazuo; and Amano, Yoshikai, 4,881,273, Cl. 455-161.000.
  - Kozaki, Kengo; and Nakazaki, Toshiyuki, 4,838,377, Cl. 180-287.000.
  - Kurihara, Takao; and Hamatsu, Masahiro, 4,845,726, Cl. 377-33.000.
  - Kurihara, Takao; and Hamatsu, Masahiro, 4,864,525, Cl. 364-717.000.
  - Mitsutsuka, Syuichi, 4,798,988, Cl. 310-313.00R.
  - Mori, Masaharu; and Hamatsu, Masahiro, 4,866,735, Cl. 375-1.000.
  - Mori, Masaharu, 4,875,221, Cl. 375-1.000.
  - Muramatsu, Hidenori; Yamada, Kimichika; Nozawa, Katsuya; and Goto, Yoshihiko, 4,841,392, Cl. 360-85.000.
  - Nakamura, Takayuki, 4,806,926, Cl. 340-825.310.
  - Okamoto, Takeshi; Niitsuma, Teruo; and Minagawa, Shoichi, 4,841,470, Cl. 364-821.000.
  - Sakata, Haruo, 4,811,018, Cl. 341-139.000.
  - Sakata, Haruo, 4,812,930, Cl. 360-84.000.
  - Sakuragi, Toshio, 4,816,936, Cl. 360-72.200.
  - Sugai, Kazuyoshi; Sato, Kiyotaka; and Nishizato, Hiroshi, 4,879,487, Cl. 310-313.00A.
  - Takashima, Shoji, 4,843,035, Cl. 437-209.000.
  - Tazaki, Satoru; and Yoshioka, Yasuhiro, 4,881,274, Cl. 455-296.000.
  - Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, 4,831,473, Cl. 360-96.500.
  - Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, 4,855,848, Cl. 360-96.500.
  - Yamaguchi, Katsumi; Yokoi, Syouichiro; Kanai, Takao; and Yoshikawa, Kikuo, 4,797,758, Cl. 360-85.000.
  - Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kinoshita, Shigeo; Kanai, Takao; and Yokoi, Syouichiro, 4,872,075, Cl. 360-85.000.
  - Yoshikawa, Kikuo; Kanai, Takao; Yamaguchi, Katsumi; and Yokoi, Syouichiro, 4,825,312, Cl. 360-96.500.
- Clarity: *See—*
  - Kramer, Gregory, 4,868,869, Cl. 381-61.000.
- Clark, Abbot F., to Alcon Laboratories, Inc. Methods for controlling ocular hypertension with angiostatic steroids. 4,876,250, 10-24-89, Cl. 514-179.000.
- Clark, Adrian P., to National Research Development Corporation. Channel estimation and detection for digital communication systems. 4,862,483, 8-29-89, Cl. 375-94.000.
- Clark, Alan C.; Richards, Edward P.; and Shaw, Douglas R., to Lubrizol Corporation, The. Ore flotation process and use of mixed hydrocarbyl dithiophosphoric acids and salts thereof. 4,879,022, 11-7-89, Cl. 209-166.000.
- Clark, Alan C.: *See—*
  - Hallenburg, Douglas J.; Clark, Alan C.; and Hambrick, James L., 4,808,344, Cl. 260-513.00N.
- Clark, Alan D.; and Hashim, Abdullah, to British Telecommunications Public Limited Company. Data transmission. 4,829,526, 5-9-89, Cl. 371-40.000.
- Clark, Albert L. Portable device for storing an endless metallic or fiber-optic cable. 4,871,127, 10-3-89, Cl. 242-86.50R.
- Clark, Alice M.: *See—*
  - Hufford, Charles D.; and Clark, Alice M., 4,873,250, Cl. 514-290.000.
- Clark, Allan; and Clark, Silvana. Directional picture story aids for children to identify left and right shoes. 4,832,606, 5-23-89, Cl. 434-258.000.
- Clark, Andrew J. Discharge collection system. 4,879,990, 11-14-89, Cl. 126-25.00R.
- Clark, Arthur E., Jr.: *See—*
  - Low, Samuel B.; Fetner, Alan E.; Clark, Arthur E., Jr.; Hench, Larry L.; and Wilson-Hench, June, 4,851,046, Cl. 106-35.000.
- Clark Automotive Development Limited: *See—*
  - Clark, Peter B., 4,827,393, Cl. 363-79.000.
- Clark, Billy V.: *See—*
  - Jean, Buford R.; Newton, Richard W.; Warren, Gary L.; and Clark, Billy V., 4,833,918, Cl. 73-290.00V.
  - Jean, Buford R.; Newton, Richard W.; Blanchard, Andrew J.; Clark, Billy V.; and Warren, Gary L., 4,847,623, Cl. 342-124.000.
- Clark, Brian, to Schlumberger Technology Corporation. Method and apparatus for testing and calibrating an electromagnetic logging tool. 4,876,511, 10-24-89, Cl. 324-338.000.
- Clark, Brian; Uken, William D.; Schoenstein, Paul; and Camin, Geary, to Raychem Corporation. Environmental sealing of a substrate. 4,888,070, 12-19-89, Cl. 156-48.000.
- Clark, Brian: *See—*
  - Kleinberg, Robert L.; Dudley, Donald G.; Chew, Weng C.; and Clark, Brian, 4,845,433, Cl. 324-338.000.
  - Kleinberg, Robert L.; Clark, Brian; Chew, Weng C.; and Mariani, David, 4,857,852, Cl. 324-339.000.
- Clark, Brian D., to Progressive Electronics, Inc. Apparatus for determination of the location of a fault in communications wires. 4,820,991, 4-11-89, Cl. 324-519.000.
- Clark, Bryan K.; and Guerra, Robert, to Tandy Corporation. Optical data storage media with spatially variable energy absorptivity. 4,852,077, 7-25-89, Cl. 369-284.000.
- Clark, Bryan K., to Tandy Corporation. Dye-polymer optical data storage media with improved recording sensitivity. 4,879,709, 11-7-89, Cl. 369-284.000.
- Clark, Burns W.; and Brown, Paul F., to Gorman-Rupp Company, The. Pumping system. 4,865,526, 9-12-89, Cl. 417-360.000.
- Clark, Carey S.; and Winch, Gordon B., to Clark, Carey S. Electronic lock system. 4,829,296, 5-9-89, Cl. 340-825.310.
- Clark, Ceffus, Jr. Trash container. 4,823,979, 4-25-89, Cl. 220-407.000.
- Clark, Charles R.: *See—*
  - Matthews, Robert R.; and Clark, Charles R., 4,856,593, Cl. 106-310.000.
- Clark, Christopher. Ice cream cone guard and the like. 4,821,906, 4-18-89, Cl. 220-4.00A.
- Clark, Clair D., to General Electric Company. Flux applying apparatus. 4,848,271, 7-18-89, Cl. 118-668.000.
- Clark, Clair D., to General Electric Company. Automated method of brazing. 4,860,938, 8-29-89, Cl. 228-102.000.
- Clark, Clarence O.; and Hong, Jauwhei, to General Electric Company. Emissive coating for X-ray target. 4,840,850, 6-20-89, Cl. 428-471.000.

Clark, Clifford D.; and Adkins, Delbert L., to Bundy Corporation. Tube cutting apparatus. 4,807,502, 2-28-89, Cl. 82-53.100.
Clark, Clinton B.: *See*—
  Riley, Joseph L., 4,825,778, Cl. 105-393.000.
Clark, Daniel O.: *See*—
  Sanders, Edgar S., Jr.; Clark, Daniel O.; and Jensvold, John A., 4,838,904, Cl. 55-158.000.
Clark, Danny R.; and Tanaka, Asami, to Tanaka Dental Enterprises. Method of preparing a dental restoration. 4,794,774, 1-3-89, Cl. 72-63.000.
Clark, Daren A.: *See*—
  Brown, Robert A.; and Clark, Daren A., 4,795,996, Cl. 337-169.000.
Clark, David A., to Conoco Inc. Through-tubing perforating apparatus. 4,844,167, 7-4-89, Cl. 175-4.530.
Clark, David B., to Sportech, Inc. Monoski system for snow. 4,867,470, 9-19-89, Cl. 280-611.000.
Clark, David E.; Dalzell, William J., Jr.; and Adams, Brenda L., to University of Florida. Inorganic salts as peptizing agents in the preparation of metal oxide sol-gel compositions. 4,801,399, 1-31-89, Cl. 252-315.010.
Clark, David E.; and Wistrom, Kenneth W., to University of Florida. Method for preparing Al_2O_3 powder and products. 4,844,848, 7-4-89, Cl. 264-43.000.
Clark, David E.; and Krabill, Robert H., to University of Florida. Method of joining metal oxide containing ceramic bodies. 4,861,410, 8-29-89, Cl. 156-325.000.
Clark, David G., to U.S. Philips Corporation. Pixel rounding method and circuit for use in a raster scan display device and a raster scan display device comprising such circuit. 4,796,016, 1-3-89, Cl. 340-750.000.
Clark, David M., to Research Foundation of State University of New York, The. Pattern recognition method and apparatus. 4,805,225, 2-14-89, Cl. 382-15.000.
Clark, David P.: *See*—
  Buuck, Bryce A.; Chapman, John P.; and Clark, David P., 4,815,424, Cl. 123-90.460.
Clark, Don L.: *See*—
  Moon, James B.; and Clark, Don L., 4,804,950, Cl. 340-715.000.
Clark, Earl, Jr.: *See*—
  Bobsein, Rex L.; and Clark, Earl, Jr., 4,808,698, Cl. 528-388.000.
Clark, Earl A.: *See*—
  Clark, Stephen E.; and Clark, Earl A., 4,838,732, Cl. 405-52.000.
Clark Equipment Company: *See*—
  Dahl, Dennis A., 4,834,249, Cl. 212-266.000.
  Haeder, Thomas Q.; and Shelbourn, William C., 4,881,371, Cl. 60-431.000.
  Link, David H., 4,834,424, Cl. 280-785.000.
  Mather, Joseph M.; Albright, Larry E.; Loraas, Orlan J.; Lynnes, Carman P.; and Schult, Leslie H., 4,815,550, Cl. 180-68.100.
  Sagaser, Thomas M., 4,844,685, Cl. 414-700.000.
  Wagner, Oryn B., 4,836,740, Cl. 414-686.000.
  Wagner, Oryn B., 4,869,337, Cl. 180-330.000.
  Watts, Verne C.; Loraas, Orlan J.; Kaczmarski, Wally L.; and Asche, James E., 4,811,983, Cl. 296-190.000.
Clark, Eric H.; McDonald, Henry; Sabnis, Jayant S.; and Weinberg, Bernard C., to Advanced Pulmonary Technologies, Inc. Multi-frequency jet ventilation technique and apparatus. 4,838,259, 6-13-89, Cl. 128-201.210.
Clark, Eugene V.; and Sievers, George K., to TMT Research Development Inc. Centrifugal pump. 4,826,401, 5-2-89, Cl. 415-200.000.
Clark, Eugene V.; and Sievers, George K. Process sensor tube having erosion and corrosion resistance. 4,850,717, 7-25-89, Cl. 374-208.000.
Clark, Frank J.: *See*—
  Schloman, William W., Jr.; Cole, William M.; Clark, Frank J.; and Beinor, Robert T. 4,829,117, Cl. 524-313.000.
Clark, Gary E., to Parker, Wade; and Heywood, Richard G. Stroller apparatus for juvenile car seat. 4,874,182, 10-17-89, Cl. 280-30.000.
Clark, Gary T.: *See*—
  Schick, Martin F.; Hickman, William C.; Clark, Gary T.; and Stockl, Rebecca R., 4,847,316, Cl. 524-88.000.
Clark, George L.; and Heflinger, Lee O., to TRW Inc. System for controlling the wavelength and colinearity of multiplexed laser beams. 4,847,479, 7-11-89, Cl. 250-201.000.
Clark, Gordon P.; Karwowski, Zbigniew T.; and Tebinka, Henry, to Northern Telecom Limited. Aerial splice closures for a telecommunications cable. 4,831,215, 5-16-89, Cl. 174-92.000.
Clark, Gordon P.; Karwowski, Zbigniew T.; and Tebinka, Henry, to Northern Telecom Limited. Seals. 4,839,471, 6-13-89, Cl. 174-92.000.
Clark, Graeme L.; and Maitland, Arthur, to English Electric Valve Company Limited. Laser apparatus. 4,890,295, 12-26-89, Cl. 372-61.000.
Clark, Howard W.; and Chapman, Tracy E., to Dow Chemical Company, The. Insoluble pigments and preparation thereof. 4,840,676, 6-20-89, Cl. 106-462.000.
Clark, Jack; and Geedes, Norman R., to Omark Industries, Inc. Rail fastening assembly. 4,819,870, 4-11-89, Cl. 238-351.000.
Clark, Jack E., II, to Harris Corporation. Fast voltage reference stabilization circuit. 4,804,865, 2-14-89, Cl. 307-297.000.
Clark, Jack P.: *See*—
  Richardson, David L.; Clark, Jack P.; Smith, Thurman D.; and Perry, Richard W., 4,818,470, Cl. 376-245.000.
  Richardson, David L.; Clark, Jack P.; Patterson, Peter M.; and Perry, Richard W., 4,826,650, Cl. 376-249.000.
Clark, James D.: *See*—
  Whitlock, Walter H.; Weltmer, William R., Jr.; and Clark, James D., 4,806,171, Cl. 134-7.000.
Clark, James W.; and De Pugh, Chauncey C., to Scott Paper Company. Adhesive material for creping of fibrous webs. 4,886,579, 12-12-89, Cl. 162-111.000.
Clark, James W.: *See*—
  Drummond, Fred; and Clark, James W., 4,804,8, Cl. 219-85.00.
Clark, Jeffrey A.: *See*—
  Bendoraitas, John A.; and Clark, Jeffrey A., 4,809,562, Cl. 74-567.000.
  Bendoraitas, John A.; and Clark, Jeffrey A., 4,847,963, Cl. 29-156.40R.
  Hartnett, Michael J.; Lugosi, Robert; Rollins, James; Cook, John P.; and Clark, Jeffrey A., 4,858,295, Cl. 29-156.40R.
Clark, Jim A., to United Technologies Corporation. Combustor dome heat shield. 4,843,825, 7-4-89, Cl. 60-756.000.
Clark, John; Martel, Brian J.; and Murray, James S., to Multi-Elmac Corporation. Automatic garage door operator with remote load control. 4,847,542, 7-11-89, Cl. 318-560.000.
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  Doyle, James; Butcher, David W.; and Clark, John A., 4,816,3 Cl. 430-2.000.
Clark, John E.; and Duhame, Dean C., to Stanley Automatic Openers. Accessory-expandable, radio-controlled, door operator with multiple security levels. 4,808,995, 2-28-89, Cl. 340-825.690.
Clark, John G.: *See*—
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Clark, John H.: *See*—
  Dixon, George J.; Anthon, Douglas W.; and Clark, John H., 4,879,722, Cl. 372-21.000.
  Dixon, George J.; Anthon, Douglas W.; and Clark, John H., 4,879,723, Cl. 372-21.000.
  Dixon, George J.; Anthon, Douglas W.; and Clark, John H., 4,884,276, Cl. 372-21.000.
Clark, John I.; Eckert, Alton B.; and Warren, David M., to Pitney Bowes Inc. System for the printing and reading of encrypted messages. 4,829,568, 5-9-89, Cl. 380-23.000.
Clark, John J. Method of mounting batteries on a bicycle. 4,833, 5-30-89, Cl. 29-854.000.
Clark, John K.: *See*—
  Savage, David S.; Sleigh, Thomas; and Clark, John K., 4,801,7 Cl. 564-426.000.
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  Schumacher, Doris P.; Murphy, Bruce L.; and Clark, Jon E., 4,863,931, Cl. 514-290.000.
  Schumacher, Doris P.; Murphy, Bruce L.; and Clark, Jon E., 4,873,335, Cl. 546-194.000.
  Schumacher, Doris P.; Clark, Jon E.; and Murphy, Bruce L., 4,876,352, Cl. 548-232.000.
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  Baile, Madhu; Braun, Joseph T.; and Clark, Joseph N., 4,795,7 Cl. 524-379.000.
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  Sodal, Ingvar E.; Bowman, Ronald R.; Hansell, Jerritt; Clark, Justin S.; and Criddle, Michael J., 4,847,493, Cl. 250-252.100.
Clark, Keith S., to DataTrak, Inc. Electronic secure entry system apparatus and method. 4,808,993, 2-28-89, Cl. 340-825.310.
Clark, Keith S.: *See*—
  Imran, Mir A.; and Clark, Keith S., 4,864,115, Cl. 235-492.000.
Clark, Kenneth E.: *See*—
  Long, Richard D.; Long, David L.; Long, Clifford D.; and Clark, Kenneth E., 4,870,946, Cl. 125-13.00R.
Clark, Kenneth H., to General Telephone Company of California. Car holder assembly for paystations. 4,866,867, 9-19-89, Cl. 40-642.00.
Clark, Kenneth M.; Borsuk, Leslie M.; and Coutts, Bruce, to ITT Corporation. Optic fiber contact. 4,798,431, 1-17-89, Cl. 350-96.20.
Clark, Kenneth M., to ITT Corporation. Fiber optic device coupling. 4,798,441, 1-17-89, Cl. 350-96.200.
Clark, Kenneth M.; and Coutts, Bruce, to ITT Corporation. Electrode arrangement for lensing method. 4,804,395, 2-14-89, Cl. 65-2.000.
Clark, Kenneth R.: *See*—
  Bahr, Dennis E.; Clark, Kenneth R.; and Post, Kendall E., 4,796,184, Cl. 364-413.030.
Clark, Kevin J. Level device for a chainsaw. 4,794,701, 1-3-89, C 33-334.000.
Clark, Kirtland P.; and Falk, Robert A., to Ciba-Geigy Corporation. Polysaccharide/perfluoroalkyl complexes. 4,859,349, 8-22-89, C 252-3.000.
Clark, Lawrence, to Armstrong World Industries, Inc. Dynamically crosslinked thermoplastic elastomer. 4,829,124, 5-9-89, C 525-108.000.
Clark, Leonard G.: *See*—
  Harben, Grover S., III; and Clark, Leonard G., 4,876,767, C 17-11.000.
Clark, Leonard R., to Textron Inc. Trigger mechanism for engines. 4,807,580, 2-28-89, Cl. 123-398.000.
Clark, Leonard R. M.; and Martenson, Aaron C., to Textron Inc. Blade guard system for rotary saws. 4,848,001, 7-18-89, Cl. 30-391.000.
Clark, Lloyd D. Dynamic measuring system for determining the amount of excess body fat. 4,831,527, 5-16-89, Cl. 364-413.020.
Clark, Lovine L., to Clark, Lovine L. Porch adapted for use with a mobile living unit. 4,869,030, 9-26-89, Cl. 52-79.600.
Clark, Lowell E.: *See*—
  Lesk, Israel A.; and Clark, Lowell E., 4,837,177, Cl. 437-31.000.
  Lesk, Israel A.; and Clark, Lowell E., 4,881,115, Cl. 357-64.000.
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  Bragg, Dale E.; Clark, Mark A.; and Fleming, Randy G., 4,886,367, Cl. 366-132.000.
Clark, Mark E.; Greever, Richard G.; Schmier, Larry J.; and Wong, Jerome D., to International Business Machines Corporation. Expert system for processing errors in a multiplex communications system. 4,881,230, 11-14-89, Cl. 371-20.100.
Clark, Mary G., to Dermasciences, Inc. Two-step procedure for indolent wound healing and aqueous medium and topical ointment used in connection therewith. 4,847,083, 7-11-89, Cl. 424-642.000.
Clark, Michael: *See*—
  Ashkin, Peter B.; and Clark, Michael, 4,875,158, Cl. 364-200.000.
Clark, Michael G.; Mosley, Alan; Bowry, Carolyn; and Nicholas, Beatrice M., to General Electric Company, p.l.c., The. Liquid crystal devices. 4,832,462, 5-23-89, Cl. 350-350.00S.
Clark, Michael G.; and Wiltshire, Michael C., to General Electric Company, p.l.c., The. Testing of thermal imagers. 4,861,992, 8-29-89, Cl. 250-316.100.
Clark, Michael G.: *See*—
  Migliorato, Piero; and Clark, Michael G., 4,834,505, Cl. 350-333.000.
Clark, Michael R.; Kuiper, Gerald J.; Monson, Donald B.; and Tringali, Dominick, to Square D Company. Moldings for isolation switch and fuse clips. 4,797,516, 1-10-89, Cl. 200-51.00R.
Clark, Michael T.: *See*—
  Miller, Duane D.; Feller, Dennis R.; Clark, Michael T.; Adejare, Adeboye; Romstedt, Karl J.; and Shams, Gamal, 4,855,476, Cl. 558-410.000.
Clark, Neville J.: *See*—
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Clark, Nigel: *See*—
  Flynn, Nigel; and Clark, Nigel, 4,840,840, Cl. 428-283.000.
Clark, Nigel L., to Unilever Patent Holdings B.V. Terpolymer emulsions. 4,853,451, 8-1-89, Cl. 526-331.000.
Clark, Noel A.; Douglas, Kenneth; and Rothschild, Kenneth J., to Boston University, Trustees of; and University of Colorado Foundation, Inc. Method for parallel fabrication of nanometer scale multi-device structures. 4,802,951, 2-7-89, Cl. 156-630.000.
Clark, Noel A.; and Lagerwall, Sven T. Surface stabilized ferroelectric liquid crystal devices. 4,813,767, 3-21-89, Cl. 350-341.000.
Clark, Noel A.; and Lagerwall, Sven T. Surface stabilized ferroelectric liquid crystal devices. 4,840,463, 6-20-89, Cl. 350-350.00S.
Clark, Noel A.: *See*—
  Handschy, Mark A.; and Clark, Noel A., 4,813,771, Cl. 350-350.00S.
Clark, Paul L. Continuously variable transmission. 4,875,894, 10-24-89, Cl. 474-49.000.
Clark, Peter: *See*—
  Dowle, Michael D.; Evans, Brian; and Clark, Peter, 4,833,153, Cl. 514-415.000.
Clark, Peter B., to Clark Automotive Development Limited. Alternator and regulator for use therewith. 4,827,393, 5-2-89, Cl. 363-79.000.
Clark, Peter P., to Polaroid Corporation. Preobjective scanning system. 4,848,885, 7-18-89, Cl. 350-469.000.
Clark, Peter P.: *See*—
  Cronin, David V.; Guerra, John M.; Sullivan, Paul F.; Mokry, Patricia A.; Clark, Peter P.; and Cocco, Vincent L., 4,843,494, Cl. 360-77.030.
Clark, Phillip C. Method for converting one or more steel shipping containers into a habitable building at a building site and the product thereof. 4,854,094, 8-8-89, Cl. 52-79.100.
Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., to Athens Corporation. Method and apparatus for the continuous on-site chemical reprocessing of ultrapure liquids. 4,828,660, 5-9-89, Cl. 204-82.000.
Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., to Athens, Inc. Method and apparatus for the continuous on-site chemical reprocessing of ultrapure liquids used in semiconductor wafer cleaning. 4,855,023, 8-8-89, Cl. 204-130.000.
Clark, R. Wayne: *See*—
  Dunn, Joseph E.; Clark, R. Wayne; Asmus, John F.; Pearlman, Jay S.; Boyer, Keith; Painchaud, Fraincois; and Hofmann, Gunter A., 4,871,559, Cl. 426-248.000.
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Clark, Richard A.: *See*—
  Richards, William D.; Clark, Richard A.; and Meade, John C., 4,821,942, Cl. 227-132.000.
Clark, Richard E., to Continental Group, Inc., The. Plastic container and method of forming same. 4,796,766, 1-10-89, Cl. 215-1.00C.
Clark, Richard H.: *See*—
  Dillier, Justin M.; and Clark, Richard H., 4,811,598, Cl. 73-154.000.
Clark, Richard J., to Sun Hydraulics Corp. Normally closed fluid switching logic element. 4,795,129, 1-3-89, Cl. 251-62.000.
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Clark, Robert N.; and Graham, Paul W. L., to Owens-Illinois Glass Container Inc. Solid film lubricant compositions. 4,806,257, 2-21-89, Cl. 252-29.000.
Clark, Robert N.; and Graham, Paul W. L., to Owens-Illinois Glass Container Inc. Solid film lubricant compositions and methods of using same. 4,822,646, 4-18-89, Cl. 427-387.000.
Clark, Robin: *See*—
  McCormick, Francis P.; Wong, Gail L.; Clark, Robin; Arnheim, Norman; and Nitecki, Danute E., 4,798,787, Cl. 435-7.000.
Clark, Robin D.; and Waterbury, L. David, to Syntex (U.S.A.) Inc. Method for treating intraocular hypertension. 4,847,269, 7-11-89, Cl. 514-331.000.
Clark, Robin D., to Syntex (U.S.A.) Inc. Optical isomers of sulfonyl-decahydro-8H-isoquino-(2,1-G)(1,6) naphthyridines and related compounds useful as α_2-blockers. 4,886,798, 12-12-89, Cl. 514-233.200.
Clark, Robin D.: *See*—
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Clark, Roger: *See*—
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Clark, Ross C.; and Burgum, Daniel R., to Merck & Co., Inc. Blends of high acyl gellan gum with starch. 4,869,916, 9-26-89, Cl. 426-573.000.
Clark, Ross C.: *See*—
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Clark, Ross P.: *See*—
  Chung, Fred C.; and Clark, Ross P., 4,822,637, Cl. 427-128.000.
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Clark, Stanley R.: *See*—
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Clark, Stephen H.: *See*—
  Flanagan, Dennis F.; and Clark, Stephen H., 4,812,120, Cl. 433-173.000.
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Clark, Stephen S.; and Donnelly, John M., to Dwyer Instruments, Inc. Differential pressure switch assembly with high static pressure use characteristics. 4,827,095, 5-2-89, Cl. 200-83.00J.
Clark, Steven C.; and Wong, Gordon G., to Genetics Institute, Inc. Hematopoietic growth factors. 4,868,119, 9-19-89, Cl. 435-240.200.
Clark, Steven C.; Ciarletta, Agnes B.; and Yang, Yu-Chung, to Genetics Institute, Inc. Recombinant DNA encoding novel family of primate hematopoietic growth factors. 4,877,729, 10-31-89, Cl. 435-68.000.
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Clark, William J. R.; Ward, John J.; Jones, Harry M.; and Powell, John H., to Ferranti plc; Smiths Industries Public Limited Company; Ferranti p.l.c.; and British Aerospace Public Limited Company. Data processing arrangements. 4,823,271, 4-18-89, Cl. 364-443.000.
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Clarke, Ellis W. Flow control. 4,856,755, 8-15-89, Cl. 251-6.000.
Clarke, Ellis W. Means for fluid administration. 4,863,437, 9-5-89, Cl. 604-246.000.
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Clarke, Jane; Patel, Amrit; and Robbins, Clarence R., to Colgate-Palmolive Company. Hair rinse conditioner. 4,818,523, 4-4-89, Cl. 424-70.000.
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Clarke, Ronald D.: *See—*
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Clarke, Stephen E.; Hendry, James D.; and Mijares, Ernest R., to Ford Aerospace & Communications Corporation. Telescoped ammunition round having subcaliber projectile sabot with integral piston. 4,802,415, 2-7-89, Cl. 102-434.000.
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Clarke, Thomas C.; Kovac, Caroline A.; Jung, Dae Y.; Park, Jae M.; and Thomas, Richard R., to International Business Machines Corporation. Method for preparing substrates for deposition of metal seed from an organometallic vapor for subsequent electroless metallization. 4,869,930, 9-26-89, Cl. 427-252.000.
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Clasen, Rolf, to U.S. Philips Corporation. Method of and arrangement for drying ceramic green bodies. 4,866,857, 9-19-89, Cl. 34-10.000.
Clasen, Rolf, to U.S. Philips Corporation. Method of manufacture of glass bodies. 4,888,036, 12-19-89, Cl. 65-18.100.
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Beha, Johannes G.; Blacha, Armin U.; Clauberg, Rolf; and Seitz, Hugo K., 4,868,492, Cl. 324-73.0PC.
Claude, George T., to General Motors Corporation. Isolation bracket assembly for engine cooling fan and motor. 4,805,868, 2-21-89, Cl. 248-603.000.
Claude, John P.: *See—*
Ingle, Frank W.; and Claude, John P., 4,800,317, Cl. 310-334.000.
Claudepierre, Christian: *See—*
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Claudet, Gerard; Dewanckel, Bernard; Ravex, Alain; and Reale, Serge, to Commissariat a l'Energie Atomique; and Air Liquid. Refrigerator, more particularly with Vuilleumier cycle, comprising pistons suspended by gas bearings. 4,840,032, 6-20-89, Cl. 62-6.000.
Claudius Peters AG: *See—*
Gerlach, Roland, 4,819,702, Cl. 141-232.000.
Claus, Guenter: *See—*
Kleemann, Stephan G.; and Claus, Guenter, 4,851,557, Cl. 556-110.000.
Claus, Jon S., to Rhone-Poulenc Agrochimie. Control of certain grasses with certain 5-(2-chloro-4-(trifluoromethyl)phenoxy-2-nitrobenzoic acid esters and amides. 4,851,034, 7-25-89, Cl. 71-107.000.
Claus, Richard O.; and Sankar, Ashok, to Center for Innovative Technology. Fiber-optic star tree network. 4,809,362, 2-28-89, Cl. 455-607.000.
Claus, Richard O.; and Bennett, K. D., to Virginia Tech Intellectual Properties, Inc. Modal domain optical fiber sensors. 4,854,706, 8-8-89, Cl. 356-345.000.
Claus, Thomas H.: *See—*
Goidl, Jo A.; and Claus, Thomas H., 4,814,350, Cl. 514-524.000.
Clausen, Charles C.; Johnson, Ronald C.; Chee, Wan T.; and Schmidt, Warren E., to Boeing Company, The. Vibration isolating engine mount. 4,821,980, 4-18-89, Cl. 244-54.000.
Clausen, Charles K. Building construction assembly including a laminated support beam for a glazed structure. 4,848,053, 7-18-89, Cl. 52-397.000.
Clausen, Edvin L., to Norsk Hydro a.s. Method of manufacture of manifolds and manifold provided by such method. 4,856,824, 8-15-89, Cl. 285-137.100.
Clausen, Eivind. Method and apparatus for cleaning operating components of a video player/recorder. 4,811,149, 3-7-89, Cl. 360-128.000.
Clausen, Eivind, to Allsop, Inc. Cleaning apparatus for a tape drive machine. 4,816,952, 3-28-89, Cl. 360-128.000.
Clausen, Henrik, to Biomembrane Institute, The. A-associated H-antigens, monoclonal antibodies specific thereto and methods for employing the same in blood typing. 4,857,639, 8-15-89, Cl. 536-1.100.
Clausen, Martin; and Rys, Paul, to Ciba-Geigy Corporation. Process for the preparation of 2,6-dihydroxynaphthalene. 4,861,920, 8-29-89, Cl. 568-741.000.
Clausen, Scott W.: *See—*
Sorenson, Carl C.; and Clausen, Scott W., 4,811,860, Cl. 220-380.000.
Clausen, Thomas; and Konrad, Eugen, to Wella Aktiengesellschaft. Oxidative hair dye composition based on 4-amino-2-aminomethylphenols. 4,797,130, 1-10-89, Cl. 8-421.000.
Clausen, Thomas; and Konrad, Eugen, to Wella Aktiengesellschaft. 5-alkoxy-2,4-diamino-alkyl-benzenes and hairdye compositions based on 5-alkoxy-2,4-diamino-alkyl-benzenes. 4,854,935, 8-8-89, Cl. 8-408.000.
Clausen, Thomas: *See—*
Konrad, Eugen; Clausen, Thomas; Braun, Hans-Jurgen; and Mager, Herbert, 4,835,314, Cl. 564-441.000.
Konrad, Eugen; and Clausen, Thomas, 4,845,294, Cl. 564-442.000.
Konrad, Eugen; and Clausen, Thomas, 4,886,516, Cl. 8-408.000.
Clauser, John F. Rotation, acceleration, and gravity sensors using quantum-mechanical matter-wave interferometry with neutral atoms and molecules. 4,874,942, 10-17-89, Cl. 250-251.000.
Clausi, Adolph: *See—*
Shenouda, Soliman; Clausi, Adolph; Rogers, Ann M.; and El-Hag, Nabil, 4,814,193, Cl. 426-321.000.
Clauson, Karl S.: *See—*
Nicoli, Robert; and Clauson, Karl S., 4,805,856, Cl. 248-74.300.
Clauss, Allen D.; Culver, Gayle E.; Piatt, David M.; and Wierenga, Thomas J., to Procter & Gamble Company, The. Detergent compatible, dryer released fabric softening/antistatic agents in a sealed pouch. 4,828,746, 5-9-89, Cl. 252-90.000.
Clauss, Allen D.; and Gosselink, Eugene P., to Procter & Gamble Company, The. Substituted glutaric and adipic diperoxyacids. 4,876,046, 10-24-89, Cl. 8-111.000.
Clauss, Fernand: *See—*
Arnold, Kraft-Ulrich; and Clauss, Fernand, 4,873,058, Cl. 422-89.000.
Clauss, Heinz; Drexel, Peter; Gosdowski, Gerhard; Kettner, Andreas; Leisner, Ernst; and Schwarze, Udo, to Robert Bosch GmbH. Linear unit for handling equipment. 4,831,290, 5-16-89, Cl. 310-12.000.
Claussen, Nils; Petzow, Gunter; Nieszery, Katharina; Panhorst, Wolfgang; and Weisskopf, Karl-Ludwig, to Schott Glaswerke, Firma. Process of making ceramic moldings containing cordierite. 4,855,259, 8-8-89, Cl. 501-9.000.
Claussen, Uwe; Neeff, Rutger; and Krock, Friedrich W., to Bayer Aktiengesellschaft. Anthraquinone dyestuffs. 4,863,634, 9-5-89, Cl. 252-299.100.
Clauzet, Henry: *See—*
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Montagnier, Luc; Guetard, Denise; Brun-Vezinet, Francoise; and Clavel, Francois, 4,839,288, Cl. 435-235.000.
Clavet, Alain, to Idee International R & D Inc. Toy building block. 4,808,140, 2-28-89, Cl. 446-127.000.
Clavette, Norman: *See—*
Parker, Kent; Batchelder, Bruce; and Clavette, Norman, 4,860,815, Cl. 164-47.000.
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Claxton, George P.: *See—*
Jones, Winton D.; Schnettler, Richard A.; Claxton, George P.; and Dage, Richard C., 4,803,210, Cl. 514-293.000.
Jones, Winton D.; Claxton, George P.; Dage, Richard C.; Cheng, Hsien C.; and Robinson, Phillip J., 4,886,811, Cl. 514-314.000.
Schnettler, Richard A.; Claxton, George P.; and Jones, Winton D., Jr., 4,866,085, Cl. 514-376.000.
Claxton, Nigel E. Manufacture of bags. 4,863,285, 9-5-89, Cl. 383-37.000.
Clay & Bailey Mfg. Co., Inc.: *See—*
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Clay, Howard: *See—*
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Clay, Stanton T., to Nimslo Corporation. Tamperproof security card. 4,869,946, 9-26-89, Cl. 428-167.000.
Claybaugh, David H.: *See—*
Best, Robert J.; and Claybaugh, David H., 4,839,743, Cl. 358-310.000.
Clayburn, C. Wayne, to Hunt Holdings, Inc. Printout support. 4,865,286, 9-12-89, Cl. 248-460.000.
Clayburn, Randall C., to RCA Licensing Corporation. High frequency signal suppression component. 4,890,044, 12-26-89, Cl. 315-411.000.
Claycomb, Jack R.: *See—*
Uhe[illegible], Robert J., Sr.; and Claycomb, Jack R., 4,889,185, Cl. 166-243.000.
Claydon, Glenn S.; Alley, Robert P.; and Laughton, William J., to General Electric Company. Circuit for providing on-chip DC power supply in an integrated circuit. 4,806,844, 2-21-89, Cl. 323-311.000.
Claydon, Paul C.; and Ball, Martin F., to Metal Box plc. Method of forming containers. 4,885,924, 12-12-89, Cl. 72-109.000.
Clayman, Donald A.: *See—*
Bortnik, John F.; Clayman, Donald A.; and Baker, Scott A., 4,816,230, Cl. 422-232.000.
Clayton, Cameron, to Willard L. Phelps Consultants Ltd. Cartridge holder. 4,860,478, 8-29-89, Cl. 42-71.010.
Clayton, Charles H. Straight hole drilling method and assembly. 4,874,045, 10-17-89, Cl. 175-57.000.
Clayton, Colin G., to United Kingdom Atomic Energy Authority. Analysis of fluids. 4,795,903, 1-3-89, Cl. 250-301.000.
Clayton, Colin G.; and Spackman, Ramon, to United Kingdom Atomic Energy Authority. Gold ore sorting. 4,830,193, 5-16-89, Cl. 209-3.100.
Clayton, Colin G.; and Spackman, Ramon, to United Kingdom Atomic Energy Authority. Flow measurement. 4,876,056, 10-24-89, Cl. 376-152.000.
Clayton and Colleagues, Inc.: *See—*
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Clayton, Erith T., 4,835,050, Cl. 428-328.000.
Clayton, Erith T., 4,849,258, Cl. 427-242.000.
Clayton Dewandre Co. Ltd.: *See—*
Coupland, Ralph; and Keegan, Michael P., 4,821,518, Cl. 60-579.000.

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Hawker, Michael J., 4,875,742, Cl. 303-119.000.

Keegan, Colm M. P.; Hawker, Michael J.; and Goodwin, Peter J., 4,866,938, Cl. 60-588.000.

Clayton, Erith T., to Clayton and Colleagues, Inc. New composition and process for mechanical plating and the resulting article. 4,832,985, 5-23-89, Cl. 427-242.000.

Clayton, Erith T., to Clayton and Colleagues, Inc. Antifouling paint compositions and method. 4,835,050, 5-30-89, Cl. 428-328.000.

Clayton, Erith T., to Clayton and Colleagues, Inc. Mechanical barrel plating-process and article. 4,849,258, 7-18-89, Cl. 427-242.000.

Clayton Foundation for Research: *See—*

Mullani, Nizar A., 4,864,138, Cl. 250-363.030.

Muller, Walter; and Krouskop, Thomas A., 4,840,634, Cl. 623-24.000.

Muller, Walter, 4,865,610, Cl. 623-24.000.

Clayton, James E.; and Shamash, Hooshang, to Wang Laboratories, Inc. Connecting apparatus for electrically connecting memory modules to a printed circuit board. 4,850,892, 7-25-89, Cl. 439-326.000.

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Clayton, Neil H.; Rivero, Jose L.; and Sun, Kuo-Chang, to International Business Machines Corporation. Relational data base lock avoidance system. 4,845,624, 7-4-89, Cl. 364-200.000.

Clayton, Neil H.: *See—*

Agnew, Palmer W.; Clayton, Neil H.; Judkovics, Monroe; Rivero, Jose L.; and Sun, Kuo-Chang, 4,884,218, Cl. 364-513.000.

Clayton, R. Paul, and Bowling, Rod A., to Monfort of Colorado, Inc. Animal slaughtering chemical treatment and method. 4,852,216, 8-1-89, Cl. 17-50.000.

Clayton, R. Paul; and Bowling, Rod A., to Monfort of Colorado, Inc. Animal slaughtering chemical treatment and method. 4,862,557, 9-5-89, Cl. 17-1.00R.

Clayton, Richard: *See—*

Thiel, Tamiko; Clayton, Richard; Feyman, Carl; Hillis, W. Daniel; and Kahle, Brewster, 4,805,091, Cl. 364-200.000.

Clayton, William L., Jr.: *See—*

Check, John M.; Clayton, William L., Jr.; Fitts, Frederick L.; and Walser, Thomas D., 4,814,573, Cl. 219-69.00E.

Clayton, Wilson A.; and Babilius, Algis P. J., to General Signal Corporation. Signal conditioning circuit. 4,797,774, 1-10-89, Cl. 361-86.000.

Claytor, Philippe R.: *See—*

Geissberger, Arthur E.; and Claytor, Philippe R., 4,832,761, Cl. 148-33.300.

CLE: *See—*

Champonnois, Michel, 4,880,379, Cl. 432-3.000.

Clean Scene Advertising, Inc.: *See—*

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Cleand, Maurice: *See—*

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Cleanup & Recovery Corp. (CURE): *See—*

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Clearman, Jack F.; Furin, Olivia P.; Chiou, Joseph J.; and Squires, William C., to R. J. Reynolds Tobacco Company. Low CO smoking article. 4,881,556, 11-21-89, Cl. 131-359.000.

Clearwater, Walter A., to Micro Control Technology Limited. Method of displaying detected information about a rotating mass. 4,887,087, 12-12-89, Cl. 342-61.000.

Cleary, Edward J., Jr.; and Hofer, Bruce E., to Tektronix, Inc. Two-tone test signal method for BTSC calibration. 4,811,395, 3-7-89, Cl. 381-4.000.

Cleary, Edward J., Jr.; Coleman, Mike R.; and Jones, Michael R., to Tektronix, Inc. Circuit for driving a multiple-element display. 4,841,200, 6-20-89, Cl. 315-363.000.

Cleary, Edward J., Jr.: *See—*

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Cleary, James A.: *See—*

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Cleary, James D., to Unitek Corporation. Orthodontic bracket and palatal bar system. 4,854,864, 8-8-89, Cl. 433-7.000.

Cleary, James W., to Phillips Petroleum Company. Production of aromatic sulfide/ketone polymers with alkali metal carbonate. 4,795,799, 1-3-89, Cl. 528-222.000.

Cleary, James W., to Phillips Petroleum Company. Arylene sulfide terpolymers and processes for making them. 4,880,901, 11-14-89, Cl. 528-388.000.

Cleary, Terrance M.; Donahue, Raymond J.; Hesterberg, William G.; and Toriello, Lawrence I., to Brunswick Corporation. Vacuum lift foam filled casting system. 4,830,085, 5-16-89, Cl. 164-255.000.

Cleary, Terrance M.: *See—*

Donahue, Raymond J.; Cleary, Terrance M.; Hauenstein, Frederick M.; and Marcellis, Daniel H., 4,875,517, Cl. 164-34.000.

Donahue, Raymond J.; Hesterberg, William G.; and Cleary, Terrance M., 4,875,985, Cl. 204-64.00T.

Hesterberg, William G.; and Cleary, Terrance M., 4,858,671, Cl. 164-34.000.

Cleary, Thomas P.; Gosciniak, Donald J.; and Phalangas, Charalambos J., to ICI Americas Inc. Ultraviolet radiation absorbing cyclohexenylidene method. 4,847,073, 7-11-89, Cl. 424-59.000.

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Cleasby, Kenneth G., to Vickers Systems Limited. Hydraulic latch device. 4,838,298, 6-13-89, Cl. 137-110.000.

Cleasby, Kenneth G., to Vickers Systems Limited. Spool for a spool valve and method of producing same. 4,862,920, 9-5-89, Cl. 137-625.300.

Cleavelin, Cloves R.; and Phillips, Danny, to Texas Instruments Incorporated. Forming an antireflective coating for VLSI metallization. 4,839,010, 6-13-89, Cl. 204-192.280.

Clecim: *See—*

Bessey, Guy; and Aubonnet, Jean-Claude, 4,825,677, Cl. 72-270.000.

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Janiak, Robert A.; and Davene , Georges J., 4,821,284, Cl. 373-107.000.

Morel, Michel, 4,841,767, Cl. 73-159.000.

Morel, Michel, 4,858,333, Cl. 33-552.000.

Quehen, Andre, 4,841,610, Cl. 29-116.200.

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Clecim S.A.: *See—*

Dominique, Boulot, 4,882,922, Cl. 72-243.000.

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Cleeves, James M., to Fairchild Semiconductor Corporation. Planarization method. 4,806,504, 2-21-89, Cl. 437-228.000.

Cleeves, James M.; and Heard, James G., to National Semiconductor Corporation. Process for making a self-aligned silicide shunt. 4,883,772, 11-28-89, Cl. 437-200.000.

Clegg, Charles T.; and Wallace, Garn A. Method for control of obesity, overweight and eating disorders. 4,823,808, 4-25-89, Cl. 128-773.000.

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Clegg, Philip M., 4,807,131, Cl. 364-424.010.

Clegg, Melodee L.; Clegg, Terry R.; and Maxwell, Leon R., to International Fried Ice Cream. Frozen confection suitable for deep frying. 4,822,627, 4-18-89, Cl. 426-101.000.

Clegg, Philip M., to Clegg Engineering, Inc. Grading system. 4,807,131, 2-21-89, Cl. 364-424.010.

Clegg, Robert D.: *See—*

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Clegg, Terry R.: *See—*

Clegg, Melodee L.; Clegg, Terry R.; and Maxwell, Leon R., 4,822,627, Cl. 426-101.000.

Cleland, Robert K. Particulate material storing and dispensing hopper structure. 4,850,515, 7-25-89, Cl. 222-161.000.

Cleland, Virginia: *See—*

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Clem, George K., to Holland Company. In-track rail base grinding method. 4,854,088, 8-8-89, Cl. 51-281.00R.

Clem, Jack L.; and Scott, Oscar T., IV, to J. M. Huber Corporation. Air recuperator cleaner. 4,846,894, 7-11-89, Cl. 134-1.000.

Clem, Kenneth R.; Heider, Kenneth J.; Kegerreis, James E.; and Shoukry, Ehsan I., to Exxon Research and Engineering Company. Multistage reforming with interstage aromatics removal. 4,872,967, 10-10-89, Cl. 208-65.000.

Clem, Michael L. Automated electrical switching system. 4,869,132, 9-26-89, Cl. 74-858.000.

Clem, Ronald D. Thigh mountable small modular pack system with demountable interchangeable pouches. 4,848,624, 7-18-89, Cl. 224-222.000.

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Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, to Roussel Uclaf. Amino-(hydroxy)alkoxy-4-phenylpropyl indoles having antiarrythmic activity. 4,808,609, 2-28-89, Cl. 514-415.000.

Clemence, Francois; Fortin, Michel; Le Martret, Odile; and Delevallee, Francoise, to Roussel Uclaf. Decahydroquinolines and analgesic use thereof. 4,816,465, 3-28-89, Cl. 514-314.000.

Clemence, Francois; Le Martret, Odile; and Delevallee, Francoise, to Roussel Uclaf. 4-OH-quinoline carboxylic acid amides having analgesic and anti-inflammatory activity. 4,845,105, 7-4-89, Cl. 514-312.000.

Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, to Roussel Uclaf. 4-phenylpropyl-indoles having antiarythmic activity. 4,853,408, 8-1-89, Cl. 514-415.000.

Clemence, Francois; Le Martret, Odile; Delevallee, Francoise; and Fortin, Michel, to Roussel Uclaf. Decahydroquinolines and central analgesic method of use thereof. 4,877,796, 10-31-89, Cl. 514-311.000.

Clemence, Francois; Le Martret, Odile; Fortin, Michel; and Delevallee, Francoise, to Roussel Uclaf. Indanes and their use as antiarrhythmic agents. 4,888,355, 12-19-89, Cl. 514-429.000.

Clemence, Francois: *See—*

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Clemens, David H.; Hurwitz, Marvin J.; and Walker, Robert W., to Rohm and Haas Company. Method of purifying condensate waters for steam regenerating equipment. 4,886,606, 12-12-89, Cl. 210-684.000.

Clemens, Donald F.: *See—*

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Clemens, Donald L.: *See—*

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Clemens, Forrest E.; and Doke, Jack, to Clemco Roll Forming, Inc. Wall stud assembly with flange retaining sections. 4,839,999, 6-20-89, Cl. 52-36.000.

Clemens, Gregory. Self-illuminating floral device. 4,812,952, 3-14-89, Cl. 362-84.000.

Clemens, John E. Training hopple for trotting horses. 4,864,804, 9-12-89, Cl. 54-71.000.

Clemens, Peter, to Siemens Aktiengesellschaft. Method for field-assisted ion exchange with anodic and cathodic contacting. 4,836,899, 6-6-89, Cl. 204-130.000.

Clemens, Peter; Michel, Herbert; and Thoma, Christoph, to Siemens Aktiengesellschaft. Method for producing buried regions of raised refractive index in a glass member by ion exchange. 4,842,629, 6-27-89, Cl. 65-30.130.

Clemens, Philip M.: *See—*

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Clement, A. J. F., to Tri-ex Tower Corporation. Azimuth array of rotory antennas with selectable lobe patterns. 4,843,402, 6-27-89, Cl. 343-758.000.

Clement, Bernard: *See—*

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Clement, Clifford. Direction indicating clamp for attachment to fire fighting hose lines. 4,844,000, 7-4-89, Cl. 116-205.000.

Clement, David C. Adjustable foot activated control apparatus for potentiometer. 4,855,707, 8-8-89, Cl. 338-153.000.

Clement, Eugene P. Stepped bottom for boat. 4,843,988, 7-4-89, Cl. 114-56.000.

Clement, Gilles; Detriche, Jean-Marie; and Villedieu, Eric, to Protee Groupement d'Interet Economique. System for determining the movement of a track vehicle. 4,815,319, 3-28-89, Cl. 73-493.000.

Clement, Harvey R.: *See—*

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Clement, John L., to K. W. Thompson Tool Company, Inc. Multipurpose tool for a muzzle loading cap lock firearm. 4,817,321, 4-4-89, Cl. 42-90.000.

Clement, Thomas P., II; Li, Taie; and Hager, John P., to Asarco Incorporated. Process for the recovery and separation of arsenic from antimony. 4,808,221, 2-28-89, Cl. 75-63.000.

Clemente, Emmett: *See—*

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Henricksen, Douglas A.; Clemente, Joseph R.; and Miller, Thomas P., 4,813,582, Cl. 224-42.430.

Clemente, Roger. Electric fan assembly for over-the-road trucks. 4,875,521, 10-24-89, Cl. 165-39.000.

Clements, Brice P.; Kurihara, Tatsuo; Marshall, Sammy D.; and Syrowatka, Rupert, to Arus-Andritz Ruthner, Inc. Floating chicane system for liquid-solid separation equipment. 4,857,193, 8-15-89, Cl. 210-396.000.

Clements, Don A.: *See—*

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Guerra, Diane R.; Kent, Michael J.; and Clements, Don A., 4,865,189, Cl. 206-221.000.

Clements, Harold J., to Airflex Containers Limited. Air tight shelters. 4,867,314, 9-19-89, Cl. 206-524.800.

Clements, Jack T., to Standard Havens, Inc. Baghouse with integral wall stiffeners. 4,860,915, 8-29-89, Cl. 220-4.00R.

Clements, James M. Soil sample extraction tool. 4,848,484, 7-18-89, Cl. 175-20.000.

Clements, James R.; Yu, Terry T. J.; and Yu, Laura H. C. Electronic device including uniaxial conductive adhesive and method of making same. 4,868,637, 9-19-89, Cl. 357-72.000.

Clements-Jewery, Stephen; Kennewell, Peter D.; and Westwood, Robert, to Roussel Uclaf. 8-phenylthio-tetrahydroquinolines and anti-allergic use thereof. 4,847,268, 7-11-89, Cl. 514-311.000.

Clements, John A., to University of California, The Regents of the. Lung surfactant compositions. 4,826,821, 5-2-89, Cl. 514-78.000.

Clements, John A.: *See—*

Park, Ronald S.; Clements, John A.; and Maloney, William H., 4,828,908, Cl. 428-247.000.

Clements, John D.: *See—*

Anderson, Porter W.; and Clements, John D., 4,808,700, Cl. 530-403.000.

Clements National Company: *See—*

Chitjian, John R., 4,855,004, Cl. 156-359.000.

Clements, Thomas R., to United Technologies Corporation. Augmentor pilot. 4,798,048, 1-17-89, Cl. 60-261.000.

Clements, Thomas W.: *See—*

Fallon, Merton R.; and Clements, Thomas W., 4,874,116, Cl. 222-399.000.

Cleminshaw, John D.: *See—*

Hood, Richard D., Jr.; Cleminshaw, John D.; and Blakeman, Jack E., 4,870,988, Cl. 137-343.000.

Clemmensen, Inge D.; and Kluft, Cornelis, to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek. Protein isolated from blood, process for preparing said protein, aantibodies against said new protein, and pharmaceutical compositions containing said protein or said antibodies. 4,853,220, 8-1-89, Cl. 424-101.000.

Clemmer Industries Limited: *See—*

Fernandes, Elson G., 4,883,194, Cl. 220-307.000.

Meyers, Arnold G., 4,878,707, Cl. 296-91.000.

Clemons, Carl W. Bee trap. 4,858,374, 8-22-89, Cl. 43-122.000.

Clemow, Alastair J. T.; and Jaeger, Scott H., to Johnson & Johnson Orthopaedics, Inc. Bone pin. 4,858,603, 8-22-89, Cl. 128-92.0ZW.

Clemson University: *See—*

Cross, Dee L., 4,889,732, Cl. 426-319.000.

Fain, Charles C., 4,798,815, Cl. 428-373.000.

Fain, Charles C., 4,820,664, Cl. 501-95.000.

Giles, Durham K.; Delwiche, Michael J.; and Dodd, Roy B., 4,823,268, Cl. 364-424.070.

von Recum, Andreas F.; and Cooke, Francis W., 4,846,834, Cl. 623-11.000.

von Recum, Andreas F.; and Cooke, Francis W., 4,871,366, Cl. 623-11.000.

Clendinning, Robert A.; and Kelsey, Donald R., to Amoco Corporation. Modified poly(aryl ether ketones) derived from biphenol. 4,829,143, 5-9-89, Cl. 528-125.000.

Clendinning, Robert A.; Maresca, Louis M.; Matzner, Markus; and Schwab, Thomas H., to Amoco Corporation. Aromatic amorphous thermoplastic terpolymers. 4,857,625, 8-15-89, Cl. 528-171.000.

Clendinning, Robert A.; Harris, James E.; Kwiatkowski, George T.; McMaster, Lee P.; Matzner, Markus; and Winslow, Paul A., to Amoco Corporation. Poly (aryl ether ketone) block copolymers. 4,861,915, 8-29-89, Cl. 568-328.000.

Clenet, Alain J-M. Vehicle drivetrain. 4,805,720, 2-21-89, Cl. 180-248.000.

Clenet, Alain J-M: *See—*

Celmayster, James M.; and Clenet, Alain J-M, 4,802,647, Cl. 248-544.000.

Cler, Edward C.; and Cler, Kenneth R., to Pauls's Machine and Welding Corporation. Steering mechanism for a vehicle. 4,865,343, 9-12-89, Cl. 280-91.000.

Cler, Kenneth R.: *See—*

Cler, Edward C.; and Cler, Kenneth R., 4,865,343, Cl. 280-91.000.

Clerc, Jean-Frederic; Deutsch, Jean-Claude; and Perrin, Aime, to Commissariat a l'Energie Atomique. Cell with a double liquid crystal layer using the electrically controlled birefringence effect and process for producing a uniaxial medium with negative optical anisotropy usable in said cell. 4,813,770, 3-21-89, Cl. 350-347.00E.

Clerc, Jean-Frederic, to Commissariat A L'Energie Atomique. Active matrix display screen permitting the display of gray levels. 4,841,294, 6-20-89, Cl. 340-793.000.

Clerc, Jean-Frederic; Deutsch, Jean-Claude; Vaudaine, Pierre; and Vey, Sylvie, to Commissariat A l'Energie Atomique. Liquid crystal cell using the electrically controlled birefringence effect and a uniaxial medium of negative optical anisotropy usable therein. 4,889,412, 12-26-89, Cl. 350-347.00E.

Clerc-Renaud, Jacques; Leroux, Francis; and Ravier, Dominique, to Atochem. Cathode for electrolysis and a process for the manufacture of the said cathode. 4,798,662, 1-17-89, Cl. 204-290.00R.

Clere, Jean-Michel; and Lebrun, Dominic, to Etat Francais. Method and device for recording analog parameters on a static digital memory. 4,807,179, 2-21-89, Cl. 364-900.000.

Clerici, Guido, to Industrie Magneti Marelli S.r.l. Electrical accumulators and batteries of accumulators provided with coverings which reflect infra-red radiation. 4,830,937, 5-16-89, Cl. 429-120.000.

Clerici, Mario: *See—*

Bellussi, Giuseppe; Buonomo, Franco; Esposito, Antonio; Clerici, Mario; Romano, Ugo; and Notari, Bruno, 4,859,785, Cl. 549-531.000.

Roggero, Arnaldo; Clerici, Mario; and Bertolini, Guglielmo, 4,833,211, Cl. 525-333.300.

Clerici, Mario G.; and Romano, Ugo, to Eniricerche, S.p.A.; and Enichem Sintesi, S.p.A. Process for the epoxidation of olefinic compounds and catalysts used therein. 4,824,976, 4-25-89, Cl. 549-531.000.

Clerici, Mario G.: *See—*

Romano, Ugo; Clerici, Mario G.; Bellussi, Giuseppe; and Buonomo, Franco, 4,849,387, Cl. 502-64.000.

Clerjaud, Bernard: *See—*

Naud, Claude; Guillot, Gerard; Deveaud, Benoit; and Clerjaud, Bernard, 4,821,274, Cl. 372-43.000.

Clerke, Edward A.; and Larson, Brent H., to Shell Oil Company. Thin bed evaluation device. 4,852,069, 7-25-89, Cl. 367-69.000.

Clerx, Henrikus P. M.: *See—*

van der Hoorn, Rudolf J. G. A.; and Clerx, Henrikus P. M., 4,801,259, Cl. 425-305.100.

Cleve, Peter; and Lomberg, Alfons, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Extrusion tool for producing a drill bit blank. 4,831,859, 5-23-89, Cl. 72-260.000.

Cleveland Clinic Foundation: *See—*

DeVore, Richard A.; and Kinney, Sam E., 4,888,017, Cl. 623-10.000.

Eliachar, Isaac, 4,794,924, Cl. 128-207.160.

Hertzer, Norman R., 4,846,794, Cl. 604-83.000.

Petre, John H., 4,795,122, Cl. 248-317.000.

Petre, John H., 4,879,798, Cl. 29-434.000.

Reger, Steven I.; Neth, Donald C.; and McGovern, Thomas F., 4,890,235, Cl. 364-468.000.

Cleveland Container Corporation: *See—*

VanCucha, James M., 4,881,658, Cl. 220-306.000.

VanCucha, James M., 4,887,736, Cl. 220-355.000.

Cleveland, Gary D. Miter saw utility stand. 4,874,025, 10-17-89, Cl. 144-287.000.

Cleveland Machine Controls, Inc.: *See—*
  Griebeler, Elmer L., 4,854,551, Cl. 266-76.000.
  Griebeler, Elmer L., 4,887,248, Cl. 367-181.000.
  Koenig, Robert G., 4,796,474, Cl. 73-862.650.
Cleveland, Thomas B.: *See—*
  Gaggar, Satish K.; Dumler, James M.; and Cleveland, Thomas B., 4,857,590, Cl. 525-64.000.
Cleveland Tramrail International S.A.: *See—*
  Roetzel, Hartmut, 4,798,146, Cl. 104-111.000.
Cleveland, William L.: *See—*
  Edelman, Isidore S.; Erlanger, Bernard F.; Tzilianos, Eftihia; and Cleveland, William L., 4,818,684, Cl. 435-7.000.
Cleven, Ronald D.: *See—*
  Knauer, Paul E.; and Cleven, Ronald D., 4,827,186, Cl. 313-485.000.
Clevenger, Dennis L. Mounting arrangement for snowplow blade control switches. 4,831,752, 5-23-89, Cl. 37-234.000.
Clevenger, James T., Jr.; Ashcroft, Dale A.; Strosser, Richard P.; and Anderson, Mark S., to Ford New Holland, Inc. Seat belt interlock for loaders. 4,844,196, 7-4-89, Cl. 180-273.000.
Clevenger, James T., Jr.; Ashcroft, Dale A.; Strosser, Richard P.; and Anderson, Mark S., to Ford New Holland, Inc. Method of controlling the operation of a loader. 4,856,612, 8-15-89, Cl. 180-273.000.
Clevenger, James T., Jr.: *See—*
  Seymour, Shaun A.; Crego, John B.; and Clevenger, James T., Jr., 4,804,145, Cl. 239-666.000.
Clevenhagen, Robert L., to Figgie International, Inc. Catcher's mitt. 4,853,975, 8-8-89, Cl. 2-19.000.
Clever, Carl W.: *See—*
  Ziegler, Herbert; Clever, Carl W.; and Roppelt, Gunter, 4,858,153, Cl. 364-550.000.
Cleverley, John A., to Exxon Chemical Patents Inc. Overbased additives. 4,797,217, 1-10-89, Cl. 252-42.700.
Cleverley, John A.: *See—*
  Marsh, John F.; and Cleverley, John A., 4,839,094, Cl. 252-42.700.
Clevite Industries Inc.: *See—*
  Strybel, Richard V., 4,813,260, Cl. 72-316.000.
  Strybel, Richard V., 4,827,755, Cl. 72-458.000.
Clextral: *See—*
  Fere, Guy; and Jouve, Daniel, 4,844,935, Cl. 426-549.000.
  Haas, Jean-Luc; Deymie, Beruard; Millet, Pierre; and Billon, Michel, 4,844,912, Cl. 426-46.000.
  Mange, Christian; and Allard, Georges-Aloin, 4,839,193, Cl. 426-633.000.
  Mange, Christian; and Toze, Jean-Yves, 4,846,054, Cl. 99-495.000.
  Vannier, Jean, 4,839,955, Cl. 29-402.080.
CLI International Enterprises, Inc.: *See—*
  Chedgy, David G., 4,854,941, Cl. 44-626.000.
Cliborn, David L. Windowed matrix display for baseball cards and similar objects. 4,860,468, 8-29-89, Cl. 40-124.200.
Cliburn, Samuel D. Arrow rest for archery bows. 4,838,237, 6-13-89, Cl. 124-41.00A.
Cliet, Christian: *See—*
  Dubesset, Michel; and Cliet, Christian, 4,881,207, Cl. 367-31.000.
Cliff, John O. Condensate-collecting ceiling for elevated water tower facility. 4,809,734, 3-7-89, Cl. 137-312.000.
Cliff, Kerry D.; and Warns, Richard A. Novelty T-shirt. 4,813,081, 3-21-89, Cl. 2-115.000.
Cliffe, Ian A.: *See—*
  White, Alan C.; Cliffe, Ian A.; and Todd, Richard S., 4,803,207, Cl. 514-267.000.
Clifford, Arthur L.: *See—*
  Dong, Dennis F.; Noonan, Edward B.; Rogers, Derek J.; Clifford, Arthur L.; Benesch, Katharina; and Loftfield, Richard E., 4,872,957, Cl. 204-84.000.
Clifford, David G., Jr.: *See—*
  Rosar, George C.; and Clifford, David G., Jr., 4,800,348, Cl. 333-202.000.
Clifford, David P.: *See—*
  Burgess, Michael J.; Clifford, David P.; and Sewell, Robert A., 4,795,746, Cl. 514-150.000.
  Burgess, Michael J.; Sewell, Robert A.; and Clifford, David P., 4,800,195, Cl. 514-150.000.
Clifford Electronics, Inc.: *See—*
  Drori, Ze'Ev; and Segal, Moti, 4,845,464, Cl. 340-429.000.
  Drori, Ze'ev; and Amirpoor, Manssor M., 4,887,064, Cl. 340-426.000.
  Drori, Ze'Ev; and Segal, Moti, 4,890,108, Cl. 341-176.000.
Clifford, George: *See—*
  Henze, Richard H.; McConica, Charles H.; Clifford, George; and Spenner, Bruce F., 4,796,136, Cl. 360-132.000.
Clifford, James R. Fishing reel protector. 4,876,819, 10-31-89, Cl. 43-26.000.
Clifford, James R. Fish hook carrier. 4,884,357, 12-5-89, Cl. 43-25.200.
Clifford, Richard P.: *See—*
  Clarkson, Douglas; and Clifford, Richard P., 4,853,411, Cl. 514-441.000.
  Clarkson, Douglas; Clifford, Richard P.; and Marshall, Alan, 4,863,616, Cl. 210-755.000.
Clifford & Snell Limited: *See—*
  Bennett, Brian S.; and Smith, David, 4,873,933, Cl. 441-36.000.
Clifft, Ricky C.; and Garrett, Melrose T. Oxygen controlling wastewater treatment system. 4,846,965, 7-11-89, Cl. 210-96.100.
Cliffton, Ethan W. Fixed shutter construction for a split-sphere observatory dome. 4,840,458, 6-20-89, Cl. 350-319.000.
Cliffton, Michael D.; and Geibel, Jon F., to Phillips Petroleum Company. Process for preparing poly(arylene sulfide ketone) with water addition. 4,812,552, 3-14-89, Cl. 528-226.000.
Cliffton, Michael D.; and Carter, Stephen J., to Amoco Corporation. Oxidative coupling of alkylphenols by copper catalysts. 4,851,589, 7-25-89, Cl. 568-730.000.
Cliffton, Michael D.: *See—*
  Geibel, Jon F.; Gaughan, Roger G.; and Cliffton, Michael D., 4,814,224, Cl. 428-252.000.
Clift, Roland; Hedge, Roger W.; Legros, Robert; and Millington, Clive A., to British-American Tobacco Company Limited. Treatment of particulate materials. 4,815,482, 3-28-89, Cl. 131-300.000.
Clift, Roland; Seville, Jonathan P. K.; and Take, Andrew H. J., to National Research Development Corporation. Method and apparatus for the measurement of the size of particles entrained in a gas. 4,829,838, 5-16-89, Cl. 73-865.500.
Clift, Susan M.: *See—*
  Casey, Jeremiah P.; Clift, Susan M.; and Milligan, Barton, 4,810,769, Cl. 528-64.000.
Clifton, Norman E., Jr. Hand tool organizer. 4,828,154, 5-9-89, Cl. 224-253.000.
Clifton, Richard J.: *See—*
  Giles, Charles E.; and Clifton, Richard J., 4,882,887, Cl. 52-126.000.
Clifton, Robert T.; and Cook, Woodrow L., to Vulcan Aircraft Corporation. Vertical/short take-off and landing aircraft. 4,828,203, 5-9-89, Cl. 244-12.300.
Clifton, Thomas S., Jr. Apparatus for trimming venetian blinds. 4,807,363, 2-28-89, Cl. 30-242.000.
Climax Portable Machine Tools, Inc.: *See—*
  Hunt, Christopher, 4,852,435, Cl. 82-113.000.
  Strait, David S., 4,824,296, Cl. 408-80.000.
  Strait, David S., 4,842,452, Cl. 408-80.000.
Climax Technology Co., Ltd.: *See—*
  Chang, TsaiFa, 4,802,204, Cl. 379-100.000.
Climent, Jean-Pierre; Petelet, Georges; and Tronel, Jean-Claude, to Commissariat a l'Energie Atomique. Apparatus for the detection of an electromagnetic pulse, more particularly due to a nuclear explosion. 4,876,551, 10-24-89, Cl. 342-460.000.
Climent, Jean-Pierre; and Tronel, Jean-Claude, to Commissariat a l'Energie Atomique. Device for protecting electronic equipment against strong electromagnetic pulses, more particulary due to lightening. 4,887,160, 12-12-89, Cl. 361-91.000.
Clinch, Anthony B.: *See—*
  Brinduse, Steven P.; Clinch, Anthony B.; McIntyre, Daniel K.; Noreen, Allen L.; and Pellerite, Mark J., 4,820,588, Cl. 428-422.000.
Cline, Allen W.: *See—*
  Blodgett, Mark S.; Ross, Robert C.; and Cline, Allen W., 4,846,482, Cl. 277-235.00B.
Cline, Billy M.: *See—*
  Shaw, Daniel G.; and Cline, Billy M., 4,800,968, Cl. 175-85.000.
Cline, Harvey E.; Ludke, Siegwalt; and Lorensen, William E., to General Electric Co. System for the simultaneous display of two or more internal surfaces within a solid object. 4,821,213, 4-11-89, Cl. 364-522.000.
Cline, Harvey E.; and Dumoulin, Charles L., to General Electric Company. Three-dimensional magnetic resonance flow-contrast angiography with suppression of stationary material. 4,849,697, 7-18-89, Cl. 324-306.000.
Cline, Harvey E.; Ludke, Siegwalt; and Lorensen, William E., to General Electric Company. Method of displaying internal surfaces of three-dimensional medical images. 4,879,668, 11-7-89, Cl. 364-522.000.
Cline, Jack B. Foldable tray assembly. 4,850,286, 7-25-89, Cl. 108-118.000.
Cline, Richard S.: *See—*
  Wilson, Roland B.; Shapiro, Jack M.; and Cline, Richard S., 4,796,946, Cl. 296-146.000.
Cline, Russell C.: *See—*
  Guilbault, Roger E.; and Gilbert, Chuck, 4,866,872, Cl. 43-4.000.
Clingen, Ryal. Hair waving device. 4,867,185, 9-19-89, Cl. 132-225.000.
Clinical Biotechnologies, Inc.: *See—*
  Stout, Robert L., 4,883,662, Cl. 424-101.000.
CliniCom Incorporated: *See—*
  Gombrich, Peter P.; and Robbins, Ernest E., 4,814,759, Cl. 340-771.000.
  Gombrich, Peter P.; and Seeland, Donna L., 4,818,850, Cl. 235-494.000.
  Gombrich, Peter P.; Beard, Richard J.; Griffee, Richard A.; Wilson, Thomas R.; Zook, Ronald E.; and Hendrickson, Max S., 4,835,372, Cl. 235-375.000.
  Gombrich, Peter P.; Zook, Ronald E.; and Hendrickson, Max S., 4,857,716, Cl. 235-462.000.
  Zook, Ronald E.; and Gombrich, Peter P., 4,850,009, Cl. 379-96.000.
Clinkenbeard, William L.; and Lea, James G., to Cincinnati Milacron Inc. Method for interactively changing video disks. 4,870,613, 9-26-89, Cl. 364-900.000.
Clinotherm Limited: *See—*
  Emblem, Harold G.; Jones, Kenneth; and Boulton, Jonathan M., 4,810,441, Cl. 264-56.000.
Clint, Inc.: *See—*
  Marc, Michel, 4,851,167, Cl. 264-26.000.
Clinthorne, Neal H.: *See—*
  Koral, Kenneth F.; Rogers, W. Leslie; and Clinthorne, Neal H., 4,839,808, Cl. 364-413.240.

  Rogers, W. Leslie; and Clinthorne, Neal H., 4,852,056, Cl. 364-581.000.
  Rogers, W. Leslie; Clinthorne, Neal H.; and Hutchins, Gary D., 4,864,140, Cl. 250-369.000.
Clipper, Robert B.: *See—*
  Bubeck, Robert A.; Clipper, Robert B.; and Henton, David E., 4,874,815, Cl. 525-71.000.
Clish, Frank; and Franklin, John B., to Veeder-Root Limited. Tachograph and vehicle speed control device. 4,858,135, 8-15-89, Cl. 364-426.040.
Clive, Robert J.; and Emerson, Keith R., to Lucas Industries Public Limited Company. Drive circuit. 4,825,333, 4-25-89, Cl. 361-154.000.
Cloeren, Peter F., to P.C.E. Corp. Layer width control. 4,839,131, 6-13-89, Cl. 264-171.000.
Cloetens, Rudolpha C.; Lidy, Werner A.; and Thanh, Huy P., to BP Chemicals Limited. Preparation of polymer polyols. 4,883,832, 11-28-89, Cl. 524-265.000.
Cloetens, Rudolphe C.; and Umpleby, Jeffrey D., to BP Chemicals Limited. Water-tree stable electrical insulating polymeric compositions. 4,859,810, 8-22-89, Cl. 174-110.0PM.
Cloetens, Rudolphe C.; Lidy, Werner A.; Phillips, Brian D.; and Thomas, David B., to BP Chemicals Limited. Modified polyols and their use in the manufacture of polymer polyols. 4,871,783, 10-3-89, Cl. 521-137.000.
Cloninger, Todd L.: *See—*
  Holmes, J. Fred; Hunt, John M.; Draper, Douglas C.; Cloninger, Todd L.; Mersereau, Tom R.; and Hosler, Michael J., 4,806,729, Cl. 219-121.630.
Cloonan, Thomas J.; Hinton, Harvard S.; and McCormick, Frederick B., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical switch. 4,830,444, 5-16-89, Cl. 350-3.730.
Cloosterman, Johannes H. G., to Chemco Soest BV. Transport pack. 4,826,008, 5-2-89, Cl. 206-413.000.
Clopper, Lawrence A.: *See—*
  Colodner, Jesse L.; and Clopper, Lawrence A., III, 4,812,124, Cl. 434-203.000.
Clopper, Lawrence A., III: *See—*
  Colodner, Jesse L.; and Clopper, Lawrence A., III, 4,812,124, Cl. 434-203.000.
Clopton, James, Jr.: *See—*
  Lopetrone, Juan P.; Valdes, Oliver; and Clopton, James, Jr., 4,837,519, Cl. 324-529.000.
Cloran, Scott Brian. Net game with central net opening. 4,826,178, 5-2-89, Cl. 273-411.000.
Clorox Company, The: *See—*
  Adkins, Adrian S.; and Englund, Diane J., 4,814,016, Cl. 106-250.000.
  Choy, Clement K.; and Valachovic, Ellen E., 4,864,491, Cl. 252-94.000.
  Choy, Clement K., 4,867,895, Cl. 252-91.000.
  Colborn, David W.; Campbell, G. Edward; Smith, William L.; Hsieh, Chung-Lu; Swatling, Donald K.; and Arbogast, Peter C., 4,863,633, Cl. 252-187.260.
  Coyne, Thomas; England, J. Bruce; Haendler, Blanca; Mitchell, Frances E.; and Steichen, Dale S., 4,863,626, Cl. 252-91.000.
  Coyne, Thomas S.; Klapprott, Daniel H.; Lutkin, Eric A.; Mitchell, Frances E.; Riggin, Ute H.; Steichen, Dale S.; and Thompson, Suzanne M., 4,865,759, Cl. 252-186.420.
  Cramer, Randall J.; and Smith, William L., 4,839,077, Cl. 252-98.000.
  Fong, Ronald A.; and Rowland, Richard R., 4,814,110, Cl. 260-400.000.
  Garrison, Robert A.; and Phillippi, Martin A., 4,810,331, Cl. 204-1.00T.
  Kaufmann, Edward J.; and Sudbury, Barry A., 4,828,744, Cl. 252-90.000.
  Lewis, Sheldon N.; Choy, Clement K.; Mizusawa, Eugene A.; and Casella, Tracey L., 4,851,139, Cl. 252-8.800.
  Mitchell, Frances E.; Campbell, G. Edward; and Steichen, Dale S., 4,858,758, Cl. 206-205.000.
  Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., 4,882,917, Cl. 68-17.00A.
  Munk, Barbara H., 4,801,544, Cl. 435-188.000.
  Newman, Garry F.; Carson, Dean F.; and Cherry, Steve B., 4,849,256, Cl. 427-202.000.
  Peterson, David; Chen, Loren; and Iliff, Robert J., 4,874,537, Cl. 252-99.000.
  Reboa, Paul F.; Mitchell, Frances E.; and Choy, Clement K., 4,842,757, Cl. 252-76.000.
  Smith, William L.; Kaufmann, Edward J.; and Sudbury, Barry A., 4,801,636, Cl. 524-236.000.
  Thykeson, Everett, 4,852,730, Cl. 206-145.000.
  Yang, Chihae; and Kaufmann, Edward J., 4,885,105, Cl. 252-90.000.
  Zielske, Alfred G.; and Fong, Ronald A., 4,859,800, Cl. 568-566.000.
Close, Donald S., to Syn-Coat Enterprises, Inc. Adhesive system. 4,822,835, 4-18-89, Cl. 524-114.000.
Close, Ernest F., to Magnavox Government and Industrial Electronics Company. Display control apparatus. 4,799,000, 1-17-89, Cl. 315-371.000.
Close, Frederick C.: *See—*
  Bannister, Ray L.; Close, Frederick C.; and Loeber, Peter J., 4,841,858, Cl. 101-232.000.
  Bannister, Ray L.; Close, Frederick C.; and Coeber, Peter J., 4,881,460, Cl. 101-91.000.
Close, Kelly R., to Sungene Technologies Corporation; Sungenetics, Inc.; and Sunagra Research. Process for regenerating corn. 4,830,966, 5-16-89, Cl. 435-240.490.
Close, Robert A.: *See—*
  McEvoy, Richard J.; and Close, Robert A., 4,872,717, Cl. 292-340.000.
Closs, Felix H.; Mueller, Johann R., and Zafiropulo, Pitro A., to International Business Machines Corporation. Method and apparatus for switching information between channels for synchronous information traffic and asynchronous data packets. 4,862,451, 8-29-89, Cl. 370-60.000.
Closs, Felix H.: *See—*
  Bux, Werner K.; Closs, Felix H.; Mueller, Johann R.; Van As, Harmen R.; and Zafiropulo, Pitro A., 4,843,606, Cl. 370-89.000.
Clossick, James P., to Cordis Corporation. Biopsy forceps with locking handle. 4,815,476, 3-28-89, Cl. 128-751.000.
Closson, Addison W., Jr. Layered patching composition. 4,824,726, 4-25-89, Cl. 428-349.000.
Clot, Jean; and Falipou, Jean, to Centre National de la Recherche Scientifique. Electrically-driven opposed flexible bellows pump and position-controlled opposed flexible bellows jack system. 4,800,723, 1-31-89, Cl. 60-545.000.
Cloth, Helmut. Pressure dependent release device for a parachute. 4,858,856, 8-22-89, Cl. 244-149.000.
Cloud, Randy G.; and Pretchel, David A., to Minnesota Mining & Manufacturing Company. Jumper connector. 4,869,684, 9-26-89, Cl. 439-402.000.
Clough, Arthur H.; Knight, Edwin L.; and Borbone, Joseph A., to Pratt & Whitney Co., Inc., The. Apparatus for grinding a workpiece. 4,831,782, 5-23-89, Cl. 51-48.00R.
Clough, Arthur H.; and Knight, Edwin L., to Pratt & Whitney Company, Inc., The. Apparatus for grinding a workpiece. 4,850,146, 7-25-89, Cl. 51-50.00R.
Clough, Arthur H.; and Knight, Edwin L. Apparatus for grinding a workpiece. 4,858,387, 8-22-89, Cl. 51-34.00E.
Clough, Douglas O.: *See—*
  Barratt, Peter J.; Clough, Douglas O.; Dickinson, Peter J.; and Farnhill, William M., 4,854,117, Cl. 57-301.000.
Clough, John; and Godfrey, Christopher R. A., to Imperial Chemical Industries PLC. Fungicidal alpha-substituted acrylates. 4,802,913, 2-7-89, Cl. 71-111.000.
Clough, John M.; and Godfrey, Christopher R. A., to Imperial Chemical Industries PLC. Fungicides. 4,870,075, 9-26-89, Cl. 514-255.000.
Clough, John M.; and Kay, Ian T., to Imperial Chemical Industries PLC. Amino substituted propenoates and their use as fungicides. 4,882,341, 11-21-89, Cl. 514-332.000.
Clough, John M.; Godfrey, Christopher R. A.; de Fraine, Paul J.; and Snell, Brian K., to Imperial Chemical Industries PLC. 1,2,5,6-tetrahydropyridyl triazoles and tetrazoles useful as fungicides. 4,883,807, 11-28-89, Cl. 514-427.000.
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  Anthony, Vivienne M.; Clough, John M.; Godfrey, Christopher R. A.; and de Fraine, Paul J., 4,812,162, Cl. 71-90.000.
  Anthony, Vivienne M.; Clough, John M.; deFraine, Paul; Godfrey, Christopher R. A.; Crowley, Patrick J.; and Anderton, Kenneth, 4,826,531, Cl. 71-94.000.
  Anthony, Vivienne M.; Clough, John M.; and Godfrey, Christopher R. A., 4,857,545, Cl. 514-452.000.
  Anthony, Vivienne M.; Clough, John M.; de Fraine, Paul; Godfrey, Christopher R. A.; and Beautement, Kevin, 4,863,503, Cl. 71-90.000.
  Anthony, Vivienne M.; Clough, John M.; DeFraine, Paul; and Godfrey, Christopher R. A., 4,876,264, Cl. 514-345.000.
  Anthony, Vivienne M.; Clough, John M.; and Godfrey, Christopher A., 4,877,811, Cl. 514-522.000.
Clough, Melvyn J. L.; Mackowiak, Stephen P.; and Lewis, Jeffrey C., to TRW, Inc. Push-on fastener. 4,850,778, 7-25-89, Cl. 411-433.000.
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  Fucci, Joseph G.; and Clough, Melvyn J. L., 4,819,954, Cl. 277-235.00B.
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  Miekka, Richard G.; Hubbard, Roswell E.; McDermott, John F.; and Clough, Philip J., 4,804,430, Cl. 156-233.000.
Clough, Richard S.; and Neal, Peter F., to Rolls-Royce plc. Gas turbine engine control system. 4,844,688, 7-4-89, Cl. 415-116.000.
Clough, Roger L.; and Sylwester, Alan P., to United States of America, Energy. Electrically conductive composite material. 4,832,870, 5-23-89, Cl. 252-511.000.
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  Arnold, Charles, Jr.; Aubert, James H.; Clough, Roger L.; Rand, Peter B.; and Sylwester, Alan P., 4,832,881, Cl. 264-29.700.
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Clough, Thomas J.; Sibert, John W.; and Riese, Arthur C., to Ensci Incorporated. Metal value recovery from carbonaceous ores. 4,801,329, 1-31-89, Cl. 75-97.00A.
Clough, Thomas J., to Ensci, Incorporated. Process for recovering hydrocarbon. 4,846,274, 7-11-89, Cl. 166-270.000.
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Clouse, James A.: *See—*
  Melody, Brian; and Clouse, James A., 4,812,951, Cl. 361-504.000.

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Cloutier, Marie-Louis. Seam forming apparatus for assembling flexible expansion joint systems. 4,823,452, 4-25-89, Cl. 29-235.000.
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Cloutier, Robert P.; and Fields, Roger A., to Eastman Kodak Company. Method and apparatus for recording and using exposure data in a photographic system. 4,811,042, 3-7-89, Cl. 354-410.000.
Cloutier, Robert P., to Eastman Kodak Company. Film cassette. 4,860,966, 8-29-89, Cl. 242-71.100.
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Clyne, Carl W.; Woolever, Gary L.; Teng, James; and Naji, Hooshang, to Anheuser-Busch, Incorporated. Pasteurization monitoring process. 4,841,457, 6-20-89, Cl. 364-557.000.
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Howie, Robin M., 4,876,746, Cl. 2-69.000.
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4,862,753, Cl. 73-863.230.
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Coates, David; Davey, Anthony B.; Bishop, David I.; Pearson, Andrew D.; and Sage, Ian C., to Merck Patent Gesellschaft mit Beschrankter Haftung. Smectic A liquid crystal compositions. 4,834,906, 5-30-89, Cl. 252-299.630.
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Coates, David: *See—*
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Coates, Donald A.; Manthei, Philip J.; and Allen, Max D., to Speed Queen Company. Reversible control console. 4,798,424, 1-17-89, Cl. 312-257.00R.
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Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; and Mitchell, William L., to Glaxo Group Limited Tetrahydro carbazolone intermediates. 4,822,881, 4-18-89, Cl. 540-603.000.
Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; Mitchell, William L.; and Price, Barry J., to Glaxo Group Limited. Tetrahydro-imidazolylmethylcarbazolones and analogs thereof for treating 5-HT function disturbances. 4,859,662, 8-22-89, Cl. 514-212.000.
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Oxford, Alexander W.; Coates, Ian H.; Bays, David E.; and Webb, Colin F., 4,870,096, Cl. 514-415.000.
Coates, Peter A., to American Cyanamid Company. Apparatus for manufacturing a surgical suture. 4,806,737, 2-21-89, Cl. 219-390.000.
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Coates, Vincent J., to Nanometrics, Incorporated. Thickness measurements of thin conductive films. 4,849,694, 7-18-89, Cl. 324-230.000.
Coates, Vincent J., to Nanometrics Incorporated. Method for normalizing the detection signals of magnified images of fluorescing materials. 4,884,890, 12-5-89, Cl. 356-384.000.
Coates, William J.; and Kruse, Lawrence I., to Smith Kline & French Laboratories Limited. Heterocyclic compounds. 4,861,773, 8-29-89, Cl. 514-222.800.
Coates, William J., to Smith Kline & French Laboratories Limited. Purinone derivatives which have bronchodilator, vasodilator and anti-allergic activities. 4,885,301, 12-5-89, Cl. 514-263.000.
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Cobb, Carleton M., III; Hirsbrunner, Hans G.; Gonsalves, Edward M.; Jenne, Richard L.; and Nott, Sepideh H., to Texas Instruments Incorporated. Miniature circuit breaker with improved longevity. 4,837,545, 6-6-89, Cl. 337-66.000.
Cobb, Carleton M., III; Strobel, Stephen J.; LeComte, Norman E.; and Nott, Sepideh H., to Texas Instruments Incorporated. Solid state circuit protector. 4,866,559, 9-12-89, Cl. 361-103.000.
Cobb, Dean L.; and Bleser, Edward M., to Grayline Housewares. Cabinet storage racks. 4,840,279, 6-20-89, Cl. 211-88.000.
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Rudick, Arthur G.; Credle, William S., Jr.; Heenan, Richard H.; and Paisley, Gary V., 4,839,107, Cl. 261-82.000.
Rudick, Arthur G., 4,846,234, Cl. 141-98.000.
Rudick, Arthur G.; and Credle, William S., Jr., 4,848,418, Cl. 141-5.000.
Rudick, Arthur G., 4,848,596, Cl. 222-162.000.
Rudick, Arthur G., 4,866,949, Cl. 62-307.000.
Rudick, Arthur G., 4,869,405, Cl. 222-518.000.

  - Saunders, William J.; and Crosby, Samuel C., 4,854,655, Cl. 312-257.100.
  - Smazik, Kenneth G., 4,830,511, Cl. 366-273.000.
  - Smazik, Kenneth G., 4,889,148, Cl. 137-1.000.
  - Smith, Ira A., 4,889,662, Cl. 261-35.000.
  - Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., 4,798,232, Cl. 141-1.000.
  - Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., 4,817,689, Cl. 141-198.000.
  - Takahama, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,888,936, Cl. 53-510.000.
  - Takehana, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,840,014, Cl. 53-432.000.
  - Whigham, Roger C.; and Bearden, John H., 4,884,720, Cl. 222-54.000.
  - Wiley, Ronald L.; Chase, Kathryn M.; Ellis, Annie T.; and Whigham, Roger C., 4,821,925, Cl. 222-129.400.
- Cocain, H. William: *See—*
  - Melby, Earl G.; and Cocain, H. William, 4,876,308, Cl. 524-780.000.
- Coccagna, Abramo B., to Cooper Industries, Inc. Method of manufacturing pronged skirt clip. 4,866,971, 9-19-89, Cl. 72-338.000.
- Coccaro, Albert V. Apparatus and method for jacking and dollying an affixed vehicle wheel assembly. 4,854,803, 8-8-89, Cl. 414-429.000.
- Coccetti, Silvano: *See—*
  - Gornati, Silvano; Viscardi, Roberto; and Coccetti, Silvano, 4,803,381, Cl. 307-228.000.
  - Merlo, Mauro; and Coccetti, Silvano, 4,801,816, Cl. 307-228.000.
  - Viscardi, Roberto; Gornati, Silvano; and Coccetti, Silvano, 4,837,464, Cl. 307-511.000.
- Cocchi, Pietro. Syringe for injections, especially intravenous made to be used only once, without any possibilityof re-aspiration. 4,863,427, 9-5-89, Cl. 604-110.000.
- Cocchi, Vittorio: *See—*
  - Cinel, Luciano; Cortiana, Giorgio; Freschie, Filippo; Ceccherini, Gianni; and Cocchi, Vittorio, 4,844,132, Cl. 139-449.000.
- Cocchiara, Ronald P.: *See—*
  - Wrobbel, Edward J.; Canzoneri, Louis S.; Cocchiara, Ronald P.; and Paul, Nikhil C., 4,799,853, Cl. 414-730.000.
- Coccia, Mario, to Farmitalia Carlo Erba S.p.A. Apparatus with safety locking members, for connecting a sytringe to a bottle containing a medicament. 4,872,494, 10-10-89, Cl. 141-383.000.
- Cocco, Roger, to Rhone-Poulenc Specialites Chimiques. Separation/-purification of para-hydroxybenzoic acid. 4,814,498, 3-21-89, Cl. 562-475.000.
- Cocco, Roger, to Rhone-Poulenc Specialites Chimiques. Separation/-purification of salicyclic acid. 4,827,027, 5-2-89, Cl. 562-477.000.
- Cocco, Vincent L., to Polaroid Corporation. Telescoping disk drive assembly. 4,797,761, 1-10-89, Cl. 360-99.060.
- Cocco, Vincent L.: *See—*
  - Cronin, David V.; Guerra, John M.; Sullivan, Paul F.; Mokry, Patricia A.; Clark, Peter P.; and Cocco, Vincent L., 4,843,494, Cl. 360-77.030.
- Coccodrilli, Gus D., Jr.: *See—*
  - Boyle, Peter C.; Steffen, Daniel G.; Melton, John L.; Coccodrilli, Gus D., Jr.; and Nagy, Michael A., 4,874,606, Cl. 426-74.000.
- Coccoli, Joseph D.; Stemniski, John R.; and Cardarelli, Donato, to Charles Stark Draper Laboratory, Inc., The. Single-mode optical-fiber directional coupler. 4,796,968, 1-10-89, Cl. 350-96.150.
- Coccoli, Joseph D., to Charles Stark Draper Laboratory, Inc., The. Interferometer gyroscope having two feedback loops. 4,840,489, 6-20-89, Cl. 356-350.000.
- Coccoli, Joseph D., to Charles Stark Draper Laboratory, Inc., The. Multi-mode fiber optic resonator gyroscope. 4,863,272, 9-5-89, Cl. 356-350.000.
- Coch, Lester G.; and Satow, Arnold, to McGean-Rohco, Inc. Process for plating adherent co-deposit of aluminum, zinc, and tin onto metallic substrates, and apparatus. 4,880,132, 11-14-89, Cl. 220-83.000.
- Cocherell, Francis E.; Harper, Homer C.; and Hsieh, George. Toothpaste or dental cream composition and method of preparing same. 4,812,306, 3-14-89, Cl. 424-52.000.
- Cochet, Xavier: *See—*
  - Roussel, Jacques and Cochet, Xavier, 4,853,136, Cl. 210-761.000.
- Cochlea Corporation: *See—*
  - Buckley, Bruce S.; Reichwein, Roy H.; and Brown, Steven W., 4,870,623, Cl. 367-7.000.
  - Pinyan, James A.; Buckley, B. S.; and Galitzine, Peter D., 4,819,783, Cl. 198-395.000.
- Cochlear Pty. Ltd.: *See—*
  - Kuzma, Janusz, 4,809,712, Cl. 128-784.000.
- Cochran, C. Norman; and Brown, Melvin H., to Aluminum Company of America. Process for carbothermic production of alkaline earth metal aluminide and recovery of same. 4,812,168, 3-14-89, Cl. 75-68.00A.
- Cochran, David S.: *See—*
  - Cowen, Stephen R.; Toreson, James S.; Chen, Joseph Y.; and Cochran, David S., 4,816,938, Cl. 360-75.000.
- Cochran, David W. Apparatus for dissolution of gas in liquid. 4,863,643, 9-5-89, Cl. 261-76.000.
- Cochran, Don W.; and Austin, James R., to Pressco, Inc. Pulsed-array video inspection lighting system. 4,882,498, 11-21-89, Cl. 250-571.000.
- Cochran, Dwayne V.: *See—*
  - Frink, Tommy S.; Reed, Lowell M.; Cochran, Dwayne V.; and McNair, Will L., 4,875,530, Cl. 175-27.000.
  - Gamboa, Gerardo; and Cochran, Dwayne V., 4,861,241, Cl. 417-454.000.
- Cochran, Frederick; Davis, Jack; and Apruzese, John, to United States of America, Navy. Thermally buffered sodium-neon laser target for coherent x-ray production. 4,803,687, 2-7-89, Cl. 372-5.000.
- Cochran, Gary L.; Seeley, Ronald D.; Shelton, Donald G.; and Stromberg, Gary D., to J. I. Case Company. Implement-coupling assembly for material-handling apparatus. 4,812,103, 3-14-89, Cl. 414-723.000.
- Cochran, Gene A.: *See—*
  - Quarderer, George J.; Stevens, Rex R.; Cochran, Gene A.; and Murchison, Craig B., 4,825,013, Cl. 568-902.200.
- Cochran, James C. Method and apparatus for constructing a walled pool excavation. 4,818,142, 4-4-89, Cl. 405-55.000.
- Cochran, Joe K., Jr., to Materials Technology Corporation. Methods for producing fiber reinforced microspheres made from dispersed particle compositions. 4,867,931, 9-19-89, Cl. 264-9.000.
- Cochran, Ken C.; and Frye, Donald R., to Pop-A-Shot, Inc. Basketball game. 4,805,917, 2-21-89, Cl. 273-397.000.
- Cochran, Mark D.: *See—*
  - Shih, Meng-Fu; Cochran, Mark D.; and Macdonald, Richard D., 4,877,737, Cl. 435-235.000.
- Cochran, Nancy P.; and Byrnes, Susan, to Cochran, Nancy P. Search system which continuously displays search terms during scrolling and selections of individually displayed data sets. 4,879,648, 11-7-89, Cl. 364-300.000.
- Cochran, Robert, to ECR Technologies, Inc. Fluid flow control system. 4,831,843, 5-23-89, Cl. 62-503.000.
- Cochran, Sharon: *See—*
  - Balint, Joseph P., Jr.; Cochran, Sharon; Jones, Frank R.; and Snyder, Harry W., 4,865,841, Cl. 424-85.800.
- Cochran, Stuart A.; Benjamin, Earl J.; Crocker, Mary E.; Seidel, William C.; and Cipriano, Vicki L., to General Foods Corporation. Microwaveable baked goods. 4,885,180, 12-5-89, Cl. 426-241.000.
- Cochran, Thomas J.: *See—*
  - Buechele, Alvin W.; Cochran, Thomas J.; and Hodge, Philo B. 4,816,754, Cl. 324-158.00F.
- Cochran, William T.; Garcia, Agustin M.; Hills, Graham W.; and Yeh, Jenn L., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Semiconductor devices having multi-level metal interconnects. 4,832,789, 5-23-89, Cl. 156-644.000.
- Cochrane, Benjamin A. Mold for improved press-on cap and seal. 4,819,906, 4-11-89, Cl. 249-67.000.
- Cochrane, Douglas A., Jr.; and Styer, Fred W., to Cochrane Subsea Acoustics, Inc. Subsea acoustic relocation system. 4,839,873, 6-13-89, Cl. 367-133.000.
- Cochrane, Faith E.; Smith, Michael J.; and Litvay, John D., to Kimberly-Clark Corporation. Tissue products containing sliced fibers. 4,874,465, 10-17-89, Cl. 162-111.000.
- Cochrane, Ronald, to Australian Building Industries Pty. Ltd. Purlin bridging. 4,840,005, 6-20-89, Cl. 52-667.000.
- Cochrane Subsea Acoustics, Inc.: *See—*
  - Cochrane, Douglas A., Jr.; and Styer, Fred W., 4,839,873, Cl. 367-133.000.
- Cocito, Giuseppe: *See—*
  - Bielli, Paolo; Bresciani, Daniele; Contu, Salvatore; and Cocito, Giuseppe, 4,835,087, Cl. 430-318.000.
- Cockburn, Ernest E.: *See—*
  - Salmon, Roy P.; and Cockburn, Ernest E., 4,850,518, Cl. 224-42.230.
- Cockcroft, Steven L.: *See—*
  - Richards, Gregory G.; Cockcroft, Steven L.; Brimacombe, James K.; and Toop, Gerald W., 4,820,340, Cl. 75-24.000.
- Cocke, John; and Markstein, Peter W., to International Business Machines Corporation. Method for improving the efficiency of arithmetic code generation in an optimizing compiler using the technique of reassociation. 4,802,091, 1-31-89, Cl. 364-300.000.
- Cockel, Ray S.; and Shakas, Pauline V. Patient transport and bed comfort aid. 4,843,665, 7-4-89, Cl. 5-65.000.
- Cockerham, Kevin, to Lucas Industries Public Limited Company. Angular position detector. 4,797,827, 1-10-89, Cl. 364-431.030.
- Cockerham, Kevin, to Lucas Industries public limited company. Knock detection system. 4,881,401, 11-21-89, Cl. 73-35.000.
- Cockerham, Kevin; and Packwood, Simon W., to Lucas Industries public limited company. Knock detection system. 4,887,456, 12-19-89, Cl. 73-35.000.
- Cockerill Mechanical Industries: *See—*
  - Widart, Jean E., 4,802,273, Cl. 29-421.100.
- Cockerill S.A.: *See—*
  - Winand, Rene, 4,830,665, Cl. 75-10.190.
- Cocking, Edward C. D.; Power, John B.; and Kinsara, Ahmed M., to DNA Plant Technology Corporation. Method of producing somatic hybrids of the genus Lycopersicon. 4,863,863, 9-5-89, Cl. 435-172.200.
- Cockman, Boyce R.; and Cockman, Norman F. Post anchor. 4,863,137, 9-5-89, Cl. 248-545.000.
- Cockman, Norman F.: *See—*
  - Cockman, Boyce R.; and Cockman, Norman F., 4,863,137, Cl. 248-545.000.
- Cockrell, John R., Jr.; and Thekkekandam, Joseph T., to Kay Chemical Company. Floor cleaning compositions and their use. 4,877,459, 10-31-89, Cl. 134-40.000.
- Cockrell, John R., Jr., to Kay Chemical Company. Soil release agent and method to facilitate the cleaning of ovens used for cooking. 4,877,691, 10-31-89, Cl. 428-688.000.
- Cocks, Franklin H.; and Gettliffe, Roland, to Duke University. X-ray reflection method and apparatus for chemical analysis of thin surface layers. 4,821,301, 4-11-89, Cl. 378-70.000.
- Cocks, Franklin H.; and Akers, Scott R., to Duke University. Method for comminuting kidney stones. 4,825,851, 5-2-89, Cl. 128-24.00A.
- Cockshott, Ian D.: *See—*
  - Martin, Graham E.; Cockshott, Ian D.; and Fildes, Francis J. T., 4,878,908, Cl. 623-1.000.
- Cocozza, Salvatore, to Miat S.p.A. Insufflator for the administration of drugs in the form of a powder pre-dosed into opercola. 4,884,565, 12-5-89, Cl. 128-203.210.
- Codatto, Antonio. Folding press for plates. 4,836,004, 6-6-89, Cl. 72-323.000.
- Coddens, Douglas W. Vehicle wheel alignment device. 4,869,527, 9-26-89, Cl. 280-663.000.
- Codding, Charles N., III; Rhodes, George F.; and McGrath, Philip I., Jr., to United States Pipe and Foundry Company. Earthquake resistant pipe joints. 4,871,197, 10-3-89, Cl. 285-231.000.
- Codding, Elias H., to Delta Technology Corporation. Multi-channel bichromatic product sorter. 4,878,582, 11-7-89, Cl. 209-580.000.
- Coddington, John D.; and Graebel, Jeffrey P., to Honeywell Inc. Reference voltage generator. 4,835,455, 5-30-89, Cl. 323-314.000.
- Coddington, Lyman. Metric block toy. 4,838,794, 6-13-89, Cl. 434-187.000.
- Code-A-Phone Corporation: *See—*
  - Shefler, Gerald E., 4,815,122, Cl. 379-67.000.
- Code Kaffee-Handelsges. mbH: *See—*
  - Gosswein, Claus, 4,865,847, Cl. 424-439.000.
- Codella, Christopher F.; and Ogura, Seiki, to International Business Machines Corporation. Fabrication of a gaas short channel lightly doped drain mesfet. 4,855,246, 8-8-89, Cl. 437-41.000.
- Coden, Michael H.: *See—*
  - Helbers, Jan; Scholl, Frederick W.; and Coden, Michael H., 4,885,743, Cl. 370-85.200.
- Codenoll Technology Corporation: *See—*
  - Hatfield, Walter B.; Tobol, Nathan; and Scholl, Frederick W., 4,888,763, Cl. 370-85.200.
  - Helbers, Jan; Scholl, Frederick W.; and Coden, Michael H., 4,885,743, Cl. 370-85.200.
- Codespi Corporation: *See—*
  - Lea Plaza, Carlos, 4,875,471, Cl. 128-69.000.
- Codex Corporation: *See—*
  - Eyuboglu, Vedat M., 4,833,693, Cl. 375-34.000.
  - Herman, Alexander, 4,882,728, Cl. 370-85.000.
  - Ling, Fuyun, 4,813,073, Cl. 379-410.000.
- Codina, Francisco C., to Texsa, S.A. Thermoplastic mass passed between rollers. 4,840,839, 6-20-89, Cl. 428-240.000.
- Codington, John F., to General Hospital Corporation, The. Anti-epiglycanin monoclonal antibodies. 4,837,171, 6-6-89, Cl. 436-548.000.
- Codisco, Inc.: *See—*
  - Wagner, Robert K.; Homery, Alex L.; Asbury, Richard C.; and Davis, Allen W., Jr., 4,815,354, Cl. 98-114.000.
- Codling, Daryl O., to Colt Industries, Inc. Fail-safe idle bypass system. 4,873,954, 10-17-89, Cl. 123-339.000.
- Codman & Shurtleff: *See—*
  - Newkirk, John B., 4,850,955, Cl. 604-9.000.
- Codman & Shurtleff, Inc.: *See—*
  - Kees, George, Jr., 4,796,625, Cl. 128-325.000.
  - Kees, George, Jr., 4,827,930, Cl. 128-325.000.
  - Walus, Richard L., 4,830,001, Cl. 128-310.000.
- Codon: *See—*
  - Dragon, Elizabeth A.; and Sias, Stacey, 4,870,006, Cl. 435-7.000.
- Codrington, Robert S., to Varian Associates, Inc. Multiple FIFO NMR acquistion system. 4,888,553, 12-19-89, Cl. 324-312.000.
- Cody, George D.; Joseph, Craig A.; Sela, Uri; and Baker, Charles L., to Exxon Research and Engineering Company. Acoustic monitoring of two phase feed nozzles. 4,824,016, 4-25-89, Cl. 239-8.000.
- Cody, George D.; Elzinga, Eugene R., Jr.; Callegari, Andrew J.; and Cohen, Roger W., to Exxon Research and Engineering Company. Passive acoustic power spectra to monitor and control processing. 4,877,488, 10-31-89, Cl. 201-1.000.
- Cody Trading Post, Inc.: *See—*
  - Tarr, Edmund S., Jr., 4,817,835, Cl. 224-150.000.
- Cody, Wayne: *See—*
  - Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne; Hubbs, John C.; and Foster, Charles H., 4,880,778, Cl. 514-12.000.
- Cody, Wayne L.: *See—*
  - Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne L.; Hubbs, John C.; and Foster, Charles H., 4,839,344, Cl. 514-16.000.
  - Hruby, Victor J.; Hadley, Mac E.; Dorr, Robert; Levine, Norman; Sugg, Elizabeth; and Cody, Wayne L., 4,866,038, Cl. 514-14.000.
- Coe, Charles D., to Combustion Developments Limited. Monitoring equipment for detection of emission. 4,883,972, 11-28-89, Cl. 250-575.000.
- COE Corporation: *See—*
  - Albert, Robert J.; and Martyn, Paul P., 4,794,940, Cl. 137-1.000.
- Coe, David J.: *See—*
  - Paxman, David H.; Slatter, John A. G.; and Coe, David J., 4,881,119, Cl. 357-23.400.
- Coe Manufacturing Company, The: *See—*
  - Durland, Sven O., 4,803,371, Cl. 250-560.000.
  - Ely, Gary W., 4,884,605, Cl. 144-357.000.
- Coe, Merlin D.: *See—*
  - Morris, Alan J.; and Coe, Merlin D., 4,803,056, Cl. 422-156.000.
- Coe, Richard J.; and Morse, Margaret S., to Boeing Company, The. Dipole antenna with parasitic elements. 4,812,855, 3-14-89, Cl. 343-818.000.
- Coe, Robert P.: *See—*
  - Kleinman, Bennett; Kleinman, Calvin; and Coe, Robert P., 4,819,258, Cl. 378-111.000.
- Coe, Thomas D., to Q A Technology Company, Inc. Electrical circuit test probe having an elongate cylindrical retaining and sliding bearing region. 4,885,533, 12-5-89, Cl. 324-158.00P.
- Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, to Furukawa Aluminum Co., Ltd.; Kawasaki Steel Corporation; and C. Itoh & Co., Ltd. Method of manufacturing substrate for memory disk. 4,823,578, 4-25-89, Cl. 72-47.000.
- Coe, Thomas U.; and Yamazaki, Atsushi, to Furukawa Aluminum Co., Ltd.; Kawasaki Steel Corp.; and C. Itoh & Co., Ltd. Method of manufacturing metal substrates for disk for memory storage media. 4,825,680, 5-2-89, Cl. 72-359.000.
- Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, to Furukawa Aluminum Co., Ltd.; Kawasaki Steel Corp.; and C. Itoh & Co., Ltd. Method of manufacturing substrate for memory disk. 4,829,799, 5-16-89, Cl. 72-47.000.
- Coe, Thomas U., to Furukawa Aluminum Co., Ltd.; Kawasaki Steel Corp.; and C. Itoh & Co., Ltd. Substrate for rigid disk storage media. 4,870,524, 9-26-89, Cl. 360-135.000.
- Coe, Thomas U., to Furukawa Aluminum Co., Ltd.; Kawasaki Steel Corp.; and Itoh & Co., Ltd. Substrate for rigid disk storage media and method and apparatus for making the same. 4,887,179, 12-12-89, Cl. 360-135.000.
- Coeber, Peter J.: *See—*
  - Bannister, Ray L.; Close, Frederick C.; and Coeber, Peter J., 4,881,460, Cl. 101-91.000.
- Coehoorn, Reinder; and Duisters, Dionysius J., to U.S. Philips Corporation. Method of manufacturing flakes from a magnetic material having a preferred crystallite orientation, flakes and magnets manufactured therefrom. 4,810,309, 3-7-89, Cl. 148-302.000.
- Coelho, Philip H.; and Comerchero, Victor, to Castleton, Inc. Direct contact cooling of foodstuffs with halocarbon heat transfer liquids. 4,803,842, 2-14-89, Cl. 62-64.000.
- Coelho, Urban J., to Nabisco Brands, Inc. Reheatable, resealable package for fried food. 4,797,010, 1-10-89, Cl. 383-109.000.
- Coen Company, Inc.: *See—*
  - Gotisar, Ted, 4,823,114, Cl. 340-578.000.
- Coenen, Hubert; Hagen, Rainer; and Reimann, Klaus, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Apparatus for separating a solid substance from a liquid mixture of substances. 4,812,233, 3-14-89, Cl. 210-177.000.
- Coenen, Hubert; Hagen, Rainer; and Reimann, Klaus, to Fried. Krupp gesellschaft mit beschrankter Haftung. Process for separating a solid substance from a liquid mixture of substances. 4,828,702, 5-9-89, Cl. 210-634.000.
- Coenen, Hubert: *See—*
  - Wetzel, Rolf; Coenen, Hubert; and Kreuch, Winfried, 4,797,198, Cl. 208-181.000.
- Coenen, Karl: *See—*
  - Flanhardt, Michael; and Coenen, Karl, 4,838,108, Cl. 74-417.000.
- Coenen, Wilfred: *See—*
  - Wittkopp, Helmut; Gruteser, Helmut; Coenen, Wilfred; and Elschenbroich, Walter, 4,798,963, Cl. 250-560.000.
- Coenraets, Benoit J. Roll-up shutter structure. 4,884,617, 12-5-89, Cl. 160-271.000.
- Coers, Bruce: *See—*
  - Turner, Reed J.; and Coers, Bruce, 4,821,744, Cl. 130-27.0HF.
- Coers, Klaus J., to Ciba-Geigy Corporation. Process for the preparation of 6-alkylthio-2,4-diamino-1,3,5-triazines. 4,883,871, 11-28-89, Cl. 544-210.000.
- Coetzee, John A.; Cranko, Ernest E.; and Moore, Roger K. Anchoring method and capsule therefor. 4,842,063, 6-27-89, Cl. 166-285.000.
- Coetzer, Johan; and Wedlake, Roger J., to Lilliwyte Societe Anonyme. Electrochemical cell. 4,797,333, 1-10-89, Cl. 429-103.000.
- Coetzer, Johan; and Wedlake, Roger J., to Lilliwyte Societe Anonyme. Manufacture of an alkali metal aluminum halide compound and alkali metal. 4,846,943, 7-11-89, Cl. 204-61.000.
- Coetzer, Johan: *See—*
  - Bones, Roger J.; Galloway, Roy C.; Coetzer, Johan; and Teagle, David A., 4,795,685, Cl. 429-104.000.
- Coey, John M. D.; and Ryan, Dominic H., to Provost, Fellows and Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin, The. Thermal analysis. 4,838,706, 6-13-89, Cl. 374-54.000.
- Coey, Thomas R.: *See—*
  - Watkins, Richard R.; Brumit, Dale E.; and Coey, Thomas R., 4,845,319, Cl. 200-5.00A.
- Coff, Richard P., to Soba (UK) Limited. Container for compacted material. 4,844,282, 7-4-89, Cl. 220-1.00T.
- Coffee, Louis G.: *See—*
  - Smith, Darrell F., Jr.; and Coffee, Louis G., 4,871,511, Cl. 420-96.000.
- Coffee, Robert L.: *See—*
  - Wilson, Dennis R.; and Coffee, Robert L., 4,867,237, Cl. 166-250.000.
- Coffee, Ronald A.; Noakes, Timothy J.; Bancroft, Stephen J.; and Bals, Edward J., to Imperial Chemical Industries plc. Electrostatic spraying apparatus. 4,846,407, 7-11-89, Cl. 239-690.000.
- Coffen, David L.; Schmid, Rudolf; and Sebastian, Mark J., to Hoffmann-La Roche Inc. Vitamin E intermediates. 4,853,472, 8-1-89, Cl. 549-407.000.
- Coffen, David L.; Holland, George W.; Mandeville, W. Harry; Rosen, Perry; and Wong, Frederick, to Hoffmann-La Roche Inc. Prostaglandin intermediates. 4,866,205, 9-12-89, Cl. 562-504.000.

Coffen, David L.; Schmid, Rudolf; and Sebastian, Mark J., to Hoffmann-La Roche Inc. Vitamin E intermediate. 4,879,395, 11-7-89, Cl. 549-408.000.
Coffen, David L.; Schmid, Rudolf; and Sebastian, Mark J., to Hoffmann-La Roche Inc. Lower-alkyl or aryl-sulfonyl unsaturated tacopherols. 4,882,441, 11-21-89, Cl. 549-407.000.
Coffey, Carl E.; and Coffey, Darlene M. Glove with easy safe removal means. 4,876,747, 10-31-89, Cl. 2-168.000.
Coffey, Charles T.: *See—*
  Engel, Steven J.; Augenblick, Kurt B.; Freed, Lesley M.; Coffey, Charles T.; and Dryden, Paul C., 4,847,474, Cl. 235-464.000.
Coffey, Darlene M.: *See—*
  Coffey, Carl E.; and Coffey, Darlene M., 4,876,747, Cl. 2-168.000.
Coffey, Freylon B.: *See—*
  Mehra, Yuv R.; and Coffey, Freylon B., 4,883,515, Cl. 62-17.000.
Coffey, Gerald P.: *See—*
  Loza, Roman; Cooper, Arthur J.; and Coffey, Gerald P., 4,836,283, Cl. 166-225.000.
Coffey, James B., to NCR Corporation. Glue head flushing system. 4,880,159, 11-14-89, Cl. 239-1.000.
Coffey, James B.: *See—*
  Whiteley, David C.; Coffey, James B.; Montgomery, Thimothy J.; and Dungan, Harvey H., 4,828,156, Cl. 226-1.000.
Coffey, Jerome T.: *See—*
  Brooks, William W., Jr.; Clemen, Curtis J.; Coffey, Jerome T.; Coffield, Timothy P.; and Larson, David R., 4,853,811, Cl. 360-103.000.
Coffey, John W.: *See—*
  Aig, Edward R.; Coffey, John W.; Lovey, Allen J., and Rosenberger, Michael, 4,883,613, Cl. 260-408.000.
  Aig, Edward R.; Coffey, John W.; Lovey, Allen J.; and Rosenberger, Michael, 4,883,614, Cl. 260-413.000.
Coffey, Kenneth W.; and Smith, Toby E., to Rich-Mar Corporation. Sonic transducer and method for making the same. 4,823,042, 4-18-89, Cl. 310-322.000.
Coffey, Michael; and Hollingsworth, Richard J., to Digital Equipment Corporation. Integrated circuit having laser-alterable metallization layer. 4,849,363, 7-18-89, Cl. 437-019.000.
Coffey, Robert G. Grove sprayer. 4,844,346, 7-4-89, Cl. 239-166.000.
Coffield, Timothy P.: *See—*
  Brooks, William W., Jr.; Clemen, Curtis J.; Coffey, Jerome T.; Coffield, Timothy P.; and Larson, David R., 4,853,811, Cl. 360-103.000.
Coffin, David A.: *See—*
  Vultaggio, Anthony; and Coffin, David A., 4,885,434, Cl. 200-4.000.
Coffin, David R.: *See—*
  Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; Rowan, Hugh H.; and Marshall, Robert M., 4,842,934, Cl. 428-378.000.
  Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; and Young, Steven A., 4,857,405, Cl. 428-378.000.
  Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; and Young, Steven A., 4,880,871, Cl. 525-43.000.
Coffinberry, George A., to General Electric Company. Multiple-propellant air vehicle and propulsion system. 4,817,890, 4-4-89, Cl. 244-135.00R.
Coffinberry, George A., to General Electric Company. Multiple-propellant air vehicle and propulsion system. 4,835,959, 6-6-89, Cl. 60-212.000.
Coffinberry, George A., to General Electric Company. Multiple-propellant air vehicle and propulsion system. 4,840,025, 6-20-89, Cl. 60-217.000.
Coffinberry, George A.: *See—*
  Lau, Monica M.; and Coffinberry, George A., 4,811,556, Cl. 60-206.000.
  Lau, Monica M.; and Coffinberry, George A., 4,841,723, Cl. 60-204.000.
Coffindaffer, Timothy W.; and Wong, Louis F., to Procter & Gamble Company, The. Curable amine functional silicone for fabric wrinkle reduction. 4,800,026, 1-24-89, Cl. 252-8.800.
Coffindaffer, Timothy W., to Procter & Gamble Company, The. Acidic liquid fabric softener with yellow color that changes to blue upon dilution. 4,863,620, 9-5-89, Cl. 252-8.800.
Coffman, Allen B.: *See—*
  Shoup, Gary L.; Coffman, Allen B.; and Fix, Robert L., 4,797,057, Cl. 414-563.000.
Coffman, Anthony; and Gender, Steven E. Cross country board game. 4,834,389, 5-30-89, Cl. 273-252.000.
Coffman, Bradford W.; and Siegel, William J., to Pace Incorporated. Method of soldering with heated fluid and device therefor. 4,805,827, 2-21-89, Cl. 228-20.000.
Coffman, James E.: *See—*
  Barron, Salvador; and Coffman, James E., 4,876,717, Cl. 380-25.000.
Coffman, Jeff. Therapeutic waterbed apparatus and method. 4,837,880, 6-13-89, Cl. 5-451.000.
Coffman, Paul M., to Rampart Packaging Inc. Screw cap jar. 4,844,270, 7-4-89, Cl. 215-274.000.
Coffman, Tim M.: *See—*
  Wilmoth, David D.; Coffman, Tim M.; Schreck, John F.; and Kaszubinski, Jeffrey K., 4,868,790, Cl. 365-210.000.
Coffman, Timmie M.: *See—*
  McElroy, David; Coffman, Timmie M.; and Ashmore, Buster, 4,905,138, Cl. 365-53.000.
  Schreck, John F.; Coffman, Timmie M.; and Wilmoth, David D., 4,797,857, Cl. 365-203.000.
Coffre, Eric; Gary, Daniel; di Giulio, Christophe; Loiseau, Gerard; and Torelli, Gerard, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Pressure reducer for pure gases. 4,836,242, 6-6-89, Cl. 137-505.420.
Coffrin, John C. Multi-way portable writing desk. 4,819,568, 4-11-89, Cl. 108-43.000.
Coflexip: *See—*
  Huvey, Michel; Do, Anh T., Gerez, Jean-Michel; and Le Gallais, Lucien, 4,858,653, Cl. 138-144.000.
  Rocher, Xavier; Faure, Bruno; and Legallais, Lucien, 4,842,445, Cl. 405-172.000.
Cofpa: *See—*
  Gauthier, Maurice, 4,839,213, Cl. 428-114.000.
Cofusa Enterprises, Inc.: *See—*
  Alcaraz, Alfonso; Aguilar, Gerardo; Gonzalez, Mauricio; and Elizarraraz, Antonio, 4,889,210, Cl. 186-38.000.
Cogan, Adrian: *See—*
  Blanchard, Richard A.; and Cogan, Adrian, 4,798,810, Cl. 437-29.000.
  Blanchard, Richard A.; and Cogan, Adrian, 4,816,882, Cl. 357-23.400.
Cogan, Adrian I., to Siliconix incorporated. Power DMOS transistor with high speed body diode. 4,811,065, 3-7-89, Cl. 357-23.400.
Cogan, Adrian I.; and Blanchard, Richard A., to Siliconix Incorporated. Dual-gate high density fet. 4,835,586, 5-30-89, Cl. 357-23.140.
Cogan, Adrian I.; and Blanchard, Richard A., to Siliconix incorporated. Buried gate JFET. 4,845,051, 7-4-89, Cl. 437-203.000.
Cogan, Adrian I., to GTE Laboratories Incorporated. Semiconductor integrated circuit structure with insulative partitions. 4,860,081, 8-22-89, Cl. 357-49.000.
Cogan, Adrian I.: *See—*
  Blanchard, Richard A.; and Cogan, Adrian I., 4,799,100, Cl. 357-52.000.
Cogan, George W.; Christel, Lee A.; Merchant, J. Thomas; and Gibbons, James F., to Sera Solar Corporation. Ultra-thin solar cell and method. 4,824,489, 4-25-89, Cl. 136-256.000.
Cogan, Kevin C.; Echols, Robert M.; and Dierl, Tina T., to Frito-Lay Inc. Automated system for processing whole potatoes. 4,831,922, 5-23-89, Cl. 99-486.000.
Cogan, Kevin C.; and Echols, Robert M., to Frito-Lay, Inc. Discharge chute with variable slope bottom for fragile article sorting system. 4,889,241, 12-26-89, Cl. 209-552.000.
Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., to Halliburton Company. Integrated blending control system. 4,850,750, 7-25-89, Cl. 406-82.000.
Cogbill, Randall B.: *See—*
  Allen, John T.; Pitts, Alan J.; Roberts, Don M.; and Cogbill, Randall B., 4,850,423, Cl. 165-5.000.
Cogema, Compagnie Generale des Matieres Nucleaires: *See—*
  Blum, Paul, 4,810,890, Cl. 250-506.100.
  Chazot, Henri; Cauquil, Gerard; and Muller, Jean-Paul, 4,854,355, Cl. 141-130.000.
  Tsitsichvili, Jean, 4,797,248, Cl. 376-261.000.
Cogensys Corporation: *See—*
  Burt, F. N., 4,829,426, Cl. 364-300.000.
Cogent Limited: *See—*
  Gent, John A. G., 4,847,120, Cl. 427-387.000.
  Payne, Peter A.; Bartlett, Jon G.; and Harris, Natalie K., 4,887,455, Cl. 73-27.00R.
  Wormald, Malcolm R., 4,841,153, Cl. 250-390.040.
Cogent Systems, Inc.: *See—*
  Costas, John P., 4,807,174, Cl. 364-724.030.
  Costas, John P., 4,811,259, Cl. 364-724.160.
  Costas, John P., 4,835,724, Cl. 364-724.030.
Cogert, Harmon I., to Short Takes, Inc. Video camera enablement system utilizing a video cassette characteristic. 4,841,378, 6-20-89, Cl. 358-335.000.
Coggin, J. Thayer; and Hilton, Robert R., to Thayer Coggin Incorporated. Furniture having wheel axles concealed on one side. 4,839,938, 6-20-89, Cl. 16-45.000.
Coggins, James M.: *See—*
  Fogarty, Kevin E.; Fay, Fredric S.; Isenstein, Louise M.; and Coggins, James M., 4,884,225, Cl. 364-559.000.
Coghi, Giovanni: *See—*
  Scapecchi, Pier L.; Coghi, Giovanni; and Lanati, Paolo, 4,889,006, Cl. 123-90.150.
Coghran, David S.; and Hsu, Gean-Chung, to Xebec. Voltage-boosting motor controller. 4,870,332, 9-26-89, Cl. 318-254.000.
Cogley, Gary C., to Industrial Electric Heating, Inc. Single cycle single frequency induction contour hardening process. 4,808,779, 2-28-89, Cl. 219-10.430.
Cognet, Gilles: *See—*
  Glemet, Michel; and Cognet, Gilles, 4,883,625, Cl. 264-136.000.
Cognitive Solutions, Inc.: *See—*
  Berquist, John F., 4,884,904, Cl. 400-120.000.
Cogswell, Frederic N.: *See—*
  Bailey, Derrick S.; Cogswell, Frederic N.; and Griffin, Brian P., 4,843,109, Cl. 521-182.000.
Cogswell, John; and Fokos, Robert, to Sequa Corporation. Apparatus for C-folding paper with variable spacing. 4,795,416, 1-3-89, Cl. 493-423.000.
Cogswell, John; and Fokos, Robert, to Sequa Corporation. Apparatus for stacking folded sheet material. 4,867,435, 9-19-89, Cl. 271-182.000.

Cogswell, Sarah L.; and Edington, Frederick R., II. Flag device such as a dive flag device and floats for use therewith. 4,796,553, 1-10-89, Cl. 116-173.000.
Cohan, Jay L.: *See—*
  Menon, Suresh M.; and Cohan, Jay L., 4,795,918, Cl. 307-297.000.
Cohen, Abraham B.; Fan, Roxy; and Quinn, John A., to Du Pont de Nemours, E. I., and Company. Embedded catalyst receptors for metallization of dielectrics. 4,859,571, 8-22-89, Cl. 430-272.000.
Cohen, Abraham D.; Diana, William D.; and Baiel, James J., to Exxon Chemical Patents Inc. Process for the recovery of alcohols using a perfluorinated ionomer membrane. 4,876,403, 10-24-89, Cl. 568-913.000.
Cohen, Aharon: *See—*
  Karger, Barry L.; and Cohen, Aharon, 4,865,706, Cl. 204-182.800.
Cohen, Aharon S.: *See—*
  Karger, Barry L.; and Cohen, Aharon S., 4,865,707, Cl. 204-182.800.
Cohen, Alan S.: *See—*
  Sipe, Jean D.; Whitehead, Alexander S.; Cohen, Alan S.; and Skinner, Martha, 4,816,388, Cl. 435-6.000.
Cohen, Albert; Lipscomb, James T.; Antos, Richard J.; and Wesson, Anthony E., to Westinghouse Electric Corp. Blade support and blade assembly. 4,820,127, 4-11-89, Cl. 416-221.000.
Cohen, Allen L. Cosmetic artificial nails. 4,876,121, 10-24-89, Cl. 428-15.000.
Cohen, Allen L. Multifocal phase plate with a pure refractive portion. 4,881,804, 11-21-89, Cl. 351-161.000.
Cohen, Allen L. Progressive intensity phase bifocal. 4,881,805, 11-21-89, Cl. 351-161.000.
Cohen, Allen L. Contact lens with cosmetic pattern. 4,889,421, 12-26-89, Cl. 351-162.000.
Cohen, Amir, to Agroteam Consultants Ltd. 2; and Plastro-Gvat. Rotary sprinklers. 4,886,211, 12-12-89, Cl. 239-222.170.
Cohen, Bernard: *See—*
  Brooker, Ronald W.; Cohen, Bernard; and Jackson, David M., 4,797,318, Cl. 428-283.000.
Cohen, Burton E., to Swingline Inc. Circuitry and method for controlling power to fastener machine solenoid. 4,810,952, 3-7-89, Cl. 323-300.000.
Cohen, Charle: *See—*
  Lefteriou, Nicholas; Rieven, Steve; and Cohen, Charle, 4,829,819, Cl. 73-204.210.
Cohen, Choua: *See—*
  Ambrosino, Jean-Louis; Cohen, Choua; Cheron, Jacques; and Rouey, Alexandre, 4,812,250, Cl. 252-67.000.
Cohen, Daniel E.; and Strobl, Frederick T., to CNS, Inc. Electroencephalographic monitoring. 4,817,627, 4-4-89, Cl. 128-731.000.
Cohen, David A.: *See—*
  Papurt, David M.; and Cohen, David A., 4,816,744, Cl. 324-61.00R.
Cohen, Donald, to Cordis Corporation. Suction ablation catheter. 4,832,048, 5-23-89, Cl. 128-786.000.
Cohen, Donald M.; Barcel, James E.; and Hooven, Michael D., to Siemens-Pacesetter, Inc. Implantable blood oxygen sensor and method of use. 4,815,469, 3-28-89, Cl. 128-634.000.
Cohen, Donald M.: *See—*
  Elliott, Clyde D.; and Cohen, Donald M., 4,884,567, Cl. 128-303.00R.
Cohen, Earl T.; and Swensen, John A., to Cyclotomics, Inc. Digital phase lock loop. 4,820,993, 4-11-89, Cl. 328-155.000.
Cohen, Earl T., to Cyclotomics, Inc. Hard-wired serial Galois field decoder. 4,833,678, 5-23-89, Cl. 371-37.000.
Cohen, Earl T.: *See—*
  Peile, Robert E.; and Cohen, Earl T., 4,835,772, Cl. 371-2.000.
Cohen, Edward I.; and Pierce, Bernard R., to International Business Machines Corporation. Dynamic queueing method. 4,807,111, 2-21-89, Cl. 364-200.000.
Cohen, Edwin; and Woycechowsky, Brian J. Device to measure the relative position and attitude of two bodies. 4,853,863, 8-1-89, Cl. 364-460.000.
Cohen, Elaine S., to Cohen, Elaine S.; and Beckman, Dale F. Fabric covered knock-down headboard for beds. 4,821,349, 4-18-89, Cl. 5-53.00R.
Cohen, Elie, to Societe de Traitement Automatique - Control et Etancheite. Method of leak testing a cavity. 4,840,058, 6-20-89, Cl. 73-40.000.
Cohen, Eric A.; Gaudreau, Pierrette; Michaud, Jacques; Brazeau, Paul; and Langelier, Yves. Antiviral peptides and means for treating herpes infections. 4,795,740, 1-3-89, Cl. 514-14.000.
Cohen, Esther R.: *See—*
  Cohen, Joel; and Cohen, Esther R., 4,815,964, Cl. 128-641.000.
Cohen, George L.: *See—*
  Markarian, Herand M.; Rosenberg, Allan H.; and Cohen, George L., 4,818,512, Cl. 423-462.000.
Cohen, Gordon M., to Du Pont de Nemours, E. I., and Company. Preparation of macromonomers. 4,845,156, 7-4-89, Cl. 525-259.000.
Cohen, Harold L., to Research Foundation of State University of New York, The. Insect traps. 4,819,371, 4-11-89, Cl. 43-131.000.
Cohen, Henry B. Support rail system for stacked components. 4,846,435, 7-11-89, Cl. 248-346.000.
Cohen, Henry E., to GEC Mechanical Handling Limited. Method and apparatus for separating relatively magnetic and relatively non-magnetic materials. 4,828,711, 5-9-89, Cl. 210-695.000.
Cohen, Herbert, to Sonin, Inc. Display stand for advertising distance measuring devices. 4,821,889, 4-18-89, Cl. 211-13.000.
Cohen, Howard. Tooth etching. 4,795,527, 1-3-89, Cl. 156-629.000.
Cohen, Howard I.: *See—*
  Kolodny, Gerald M.; and Cohen, Howard I., 4,856,069, Cl. 381-52.000.
Cohen, Hyman H.: *See—*
  Cohen, Joseph D.; and Cohen, Hyman H., 4,875,432, Cl. 116-223.000.
Cohen, Ilan: *See—*
  Rogozinski, Joseph; and Cohen, Ilan, 4,857,816, Cl. 318-632.000.
  Rogozinski, Joseph; and Cohen, Ilan, 4,868,475, Cl. 318-632.000.
Cohen, Irun R.: *See—*
  Vlodavsky, Israel; Eldor, Amiram; Naparstek, Yaakov; and Cohen, Irun R., 4,882,318, Cl. 514-56.000.
Cohen, Jack A.; Stricker, Gordon G. E.; and Silverberg, Morton, to Pitney Bowes Inc. Inker module for a modular mailing machine. 4,865,139, 9-12-89, Cl. 177-4.000.
Cohen, Jacques; Lemarquand, Pierre; and Pichard, Christian, to La Telemecanique Electrique. Protective switching apparatus with remotely controlled opening and closing of the contacts. 4,855,698, 8-8-89, Cl. 335-14.000.
Cohen, Joel; and Cohen, Esther R. Electrode having lead wire attachment. 4,815,964, 3-28-89, Cl. 128-641.000.
Cohen, Jonathan D., to U.S. Government as represented by Director, National Security Agency. Microwave and millimeter-wave spectrum analyzer. 4,818,949, 4-4-89, Cl. 324-77.00B.
Cohen, Jonathan M.; Berry, Ira R.; and Borkan, Lionel, to Pharmacaps, Inc. Gelatin-encapsulated controlled-release composition. 4,795,642, 1-3-89, Cl. 424-455.000.
Cohen, Joseph D.; and Cohen, Hyman H. Volleyball scoreboard. 4,875,432, 10-24-89, Cl. 116-223.000.
Cohen, Kenneth W., to Aerco International, Inc. Gas fired water heater. 4,852,524, 8-1-89, Cl. 122-448.00R.
Cohen, Leonard G.; and Hegarty, John, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Waveguide-containing communications and sensing systems. 4,820,016, 4-11-89, Cl. 350-96.290.
Cohen, Leonard G.: *See—*
  Blyler, Lee L., Jr.; Cohen, Leonard G.; Lieberman, Robert A.; and MacChesney, John B., 4,834,496, Cl. 350-96.290.
Cohen, Leslie A.: *See—*
  Hallden-Abberton, Michael P.; Cohen, Leslie A.; and Wood, Robert S., 4,874,824, Cl. 525-379.000.
Cohen, Lewis. Ring mechanism. 4,810,125, 3-7-89, Cl. 402-37.000.
Cohen, Lewis S.; and Rodrigues, Ivan, to Venture Tape Corp. Insulation with tape adhering surface. 4,842,908, 6-27-89, Cl. 428-34.200.
Cohen, Marc M., to United States of America, Administrator, National Aeronautics and Space Administration. Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel. 4,807,834, 2-28-89, Cl. 244-159.000.
Cohen, Marc M.; Kaplicky, Jan; and Nixon, David A., to United States of America, National Aeronautics and Space Administration. Space station wardroom table. 4,836,114, 6-5-89, Cl. 108-77.000.
Cohen, Marc M., to United States of America, Administrator, National Aeronautics and Space Administration. Suitport extra-vehicular access facility. 4,842,224, 6-27-89, Cl. 244-159.000.
Cohen, Marlene L.; Fuller, Ray W.; Garbrecht, William L.; and Whitten, Kathleen R., to Eli Lilly and Company. 4-hydroxycyclohexyl 1-isopropyl-9,10-dihydro-lysergate for the treatment of migraine. 4,810,710, 3-7-89, Cl. 514-288.000.
Cohen, Martha G. Educational appliance for teaching handwriting skills. 4,822,284, 4-18-89, Cl. 434-162.000.
Cohen, Martin P.; and D'Sidocky, Richard M., to Goodyear Tire & Rubber Company, The. Rubber vulcanization system. 4,808,666, 2-28-89, Cl. 525-232.000.
Cohen, Martin P.; Brown, Robert J.; and Majerus, Norbert, to Goodyear Tire & Rubber Company, The. Cure system for sulfur vulcanizable rubber. 4,861,842, 8-29-89, Cl. 525-329.300.
Cohen, Martin P.; and D'Sidocky, Richard M., to Goodyear Tire & Rubber Company, The. Rubber vulcanization system with triazine compounds. 4,873,291, 10-10-89, Cl. 525-348.000.
Cohen, Martin S.: *See—*
  Pyne, John, Jr.; Stewart, Dorothy L.; Fredrickson, James K.; and Cohen, Martin S., 4,882,274, Cl. 435-68.000.
Cohen, Marvin; and Mancin, Susanne C., to Ident Corporation of America, Inc. Method of producing an element for personal identifications. 4,820,160, 4-11-89, Cl. 433-229.000.
Cohen, Michael, to Applied Medical Research. Compositions and methods of effecting contraception utilizing melatonin. 4,855,305, 8-8-89, Cl. 514-171.000.
Cohen, Mitchell S.; Sachdev, Krishna G.; Shen, John C. S.; and Pennington, Keith S., to International Business Machines Corporation. Scratch resistant recording materials for electroerosion printing comprising cross-linked polymer base layer. 4,830,909, 5-16-89, Cl. 428-331.000.
Cohen, Mordechai, to Sundstrand Corporation. Heat exchanger apparatus. 4,844,151, 7-4-89, Cl. 165-44.000.
Cohen, Morris: *See—*
  Olson, Gregory B.; Watton, John F.; and Cohen, Morris, 4,836,869, Cl. 148-331.000.
Cohen, Nathan. Multi-prong surface connector. 4,870,721, 10-3-89, Cl. 24-16.0PB.
Cohen, Noal, to Hoffmann-La Roche Inc. Vitamin E intermediate. 4,801,724, 1-31-89, Cl. 549-407.000.
Cohen, Noal, to Hoffmann-La Roche Inc. Chromanemelonate esters. 4,806,661, 2-21-89, Cl. 549-407.000.
Cohen, Noal, to Hoffmann-La Roche Inc. 2-allylchromans. 4,824,971, 4-25-89, Cl. 549-408.000.

- Cohen, Noal, to Hoffmann-La Roche Inc. Vitamin E intermediate. 4,877,890, 10-31-89, Cl. 549-407.000.
- Cohen, Norman B.: *See*—
  - Hill, John A., III; Miekka, Richard G.; and Cohen, Norman B., 4,857,398, Cl. 428-331.000.
- Cohen, Paul K.: *See*—
  - Glucksman, Dov Z.; Cohen, Paul K.; and Ratzlaff, Jorg, 4,819,353, Cl. 40-152.200.
- Cohen, Richard J.; and Smith, Joseph M., to Massachusetts Institute of Technology. Method and apparatus for assessing myocardial electrical stability. 4,802,491, 2-7-89, Cl. 128-702.000.
- Cohen, Richard J.; Broide, Michael L.; and Bowen, Mark S., to Massachusetts Institute of Technology. Immunoassay employing optical pulse particle size analysis. 4,851,329, 7-25-89, Cl. 435-5.000.
- Cohen, Richard J.: *See*—
  - Broide, Michael L.; Bowen, Mark S.; and Cohen, Richard J., 4,850,707, Cl. 356-336.000.
  - Gordon, David; Akselrod, Solange; Cohen, Richard J.; Tu, Jerome C.; Burns, Stephen K.; and DeLeon, Victoria H., 4,862,361, Cl. 364-413.060.
- Cohen, Richard K. Decorative faucet handle mounting apparatus. 4,876,766, 10-31-89, Cl. 16-114.00R.
- Cohen, Richmond R.; and Gibboni, David J., to Hercules Incorporated. Method and device for control of by-products from cigarette smoke. 4,811,745, 3-14-89, Cl. 131-342.000.
- Cohen, Robert; and Charak, Betty J. Clamp mechanism. 4,839,947, 6-20-89, Cl. 24-499.000.
- Cohen, Robert C.: *See*—
  - Averill, Robert G.; and Cohen, Robert C., 4,888,023, Cl. 623-22.000.
- Cohen, Robert K. Power control and line voltage monitor/compensator for resistance spot welding machines. 4,803,331, 2-7-89, Cl. 219-110.000.
- Cohen, Roberta S.; Huber, Kenneth M.; Mills, Deborah J.; Drapal, Myron E.; and Osterweil, Janis R., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Communication system having unified messaging. 4,837,798, 6-6-89, Cl. 379-88.000.
- Cohen, Roger W.: *See*—
  - Cody, George D.; Elzinga, Eugene R., Jr.; Callegari, Andrew J.; and Cohen, Roger W., 4,877,488, Cl. 201-1.000.
- Cohen, Ronald; Olesen, Ole L.; Faintani, Joseph J.; and Suljak, George T., to International Fuel Cells Corporation. Fuel cell power plant reformer. 4,820,314, 4-11-89, Cl. 48-94.000.
- Cohen, Ronald; and Buswell, Richard F., to International Fuel Cells Corporation. Fuel cell power plant with increased reactant pressures. 4,828,940, 5-9-89, Cl. 429-20.000.
- Cohen, Ronen: *See*—
  - Peled, Emanuel; Brand, Mordechai; Elster, Esther; Kimel, Josef; and Cohen, Ronen, 4,883,726, Cl. 424-120.000.
- Cohen, Samuel G.: *See*—
  - Farber, Glenn L.; Navarro, Maria C.; Hegemann, Manfred K.; Cohen, Samuel G.; and Cox, Cameron O., 4,817,785, Cl. 198-803.010.
- Cohen, Sara: *See*—
  - Velan, Baruch; Cohen, Sara; Grosfeld, Haim; and Shafferman, Avigdor, 4,877,865, Cl. 530-351.000.
- Cohen, Simon S.: *See*—
  - Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,845,050, Cl. 437-192.000.
  - Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,871,617, Cl. 428-450.000.
- Cohen, Stephen. Jacket for displaying information. 4,875,237, 10-24-89, Cl. 2-94.000.
- Cohen, Stuart L.: *See*—
  - Grigo, Ulrich R.; and Cohen, Stuart L., 4,847,153, Cl. 428-412.000.
- Cohen, Thomas S., to AMP Incorporated. Connector with compressible insulative body. 4,804,339, 2-14-89, Cl. 439-588.000.
- Cohen, William, to M. G. H. Automation Systems. Nest trap for laying hens. 4,889,076, 12-26-89, Cl. 119-50.000.
- Cohen, Yachin: *See*—
  - Farris, Richard J.; Cohen, Yachin; and DeTeresa, Steven J., 4,842,924, Cl. 428-221.000.
- Cohen, Yvan; and Deroubaix, Pierre, to Framatome. Process for automatic regulation of the soluble boron content of the cooling water of a pressurized water nuclear reactor. 4,844,856, 7-4-89, Cl. 376-217.000.
- Coherent General: *See*—
  - Smith, Donald E.; and Sasnett, Michael W., 4,799,231, Cl. 372-58.000.
- Coherent, Inc.: *See*—
  - Allcock, Geoffrey, 4,817,108, Cl. 372-82.000.
  - Couillaud, Bernard; and Mitchell, Gerald M., 4,862,469, Cl. 372-33.000.
  - Mefferd, Wayne S., 4,818,089, Cl. 350-634.000.
  - Owen, Kenneth H., 4,815,806, Cl. 350-96.180.
  - Proffitt, William P.; Williams, Gerald H.; Hobart, James L.; and Johnston, Thomas F., 4,864,578, Cl. 372-20.000.
- Cohn, Brian D.: *See*—
  - Cook, Lacy G.; Perron, Gerard M.; Zellers, Brian K.; and Cohn, Brian D., 4,826,287, Cl. 350-174.000.
- Cohn, Daniel; Younes, Hani; and Uretzky, Gideon, to Yissum Research Development Company of the Hebrew University of Jerusalem. Biodegradable polymeric materials based on polyether glycols, processes for the preparation thereof and surgical articles made therefrom. 4,826,945, 5-2-89, Cl. 528-76.000.
- Cohn, David B.; and Sasaki, Gregory R., to Hughes Aircraft Company. Resonant radiation protector. 4,880,978, 11-14-89, Cl. 250-332.000.
- Cohn, Jay N. Method of reducing mortality associated with congestive heart failure using hydralazine and isosorbide dinitrate. 4,868,179, 9-19-89, Cl. 514-248.000.
- Cohn, Michelle J.; Robinson, Delmar W.; and Lawson, R. Joe, to UOP Inc. Regeneration of a platinum-containing zeolite. 4,810,683, 3-7-89, Cl. 502-37.000.
- Cohn, Moritz. Articulator for dental model. 4,797,097, 1-10-89, Cl. 433-64.000.
- Conn, Patricia O.: *See*—
  - Matsumoto, Yasuo; Shrader, Eric J.; and Cohn, Patricia O., 4,825,229, Cl. 346-1.100.
- Cohn, Robert J.; Olsson, Frank C.; Holzman, James W.; and Santarelli, Paul, to Metropolitan Wire Corporation. Surgical case cart. 4,846,537, 7-11-89, Cl. 312-229.000.
- Cohn, Robert J.: *See*—
  - Sudimak, Michael J.; and Cohn, Robert J., 4,799,818, Cl. 403-107.000.
  - Welsch, John H.; and Cohn, Robert J., 4,843,975, Cl. 108-24.000.
- Cohn, Robert W., to Texas Instruments Incorporated. Optical interconnection networks. 4,859,012, 8-22-89, Cl. 350-96.240.
- Cohnen, Erich; Beuttler, Thomas; Hofferber, Eva; and Stenzel, Wolfgang, to Beiersdorf Aktiengesellschaft. Pyrido(1,8)naphthyridinones and their use as pharmaceuticals. 4,801,590, 1-31-89, Cl. 514-293.000.
- Cohnen, Erich; and Jacobitz, Petra, to Beiersdorf Aktiengesellschaft. Bicyclic lactams, processes for their use, and formulations containing these compounds. 4,810,712, 3-7-89, Cl. 514-312.000.
- Cohnen, Erich, to Beiersdorf Aktiengesellschaft. Substituted phenoxyalkanolamines and phenoxyalkanol-cycloalkylamines, and intermediate products. 4,864,061, 9-5-89, Cl. 564-349.000.
- Cohnen, Erich, to Beiersdorf Aktiengesellschaft. Substituted phenoxyalkanolamies and phenoxyalkanol-cycloalkylamines in pharmaceutical formulations and use thereof. 4,871,775, 10-3-89, Cl. 514-652.000.
- Cohodar, Alija. Retaining barrier assembly. 4,817,401, 4-4-89, Cl. 70-58.000.
- Cohodas, Mark S.: *See*—
  - Westerman, Everett A.; and Cohodas, Mark S., 4,858,853, Cl. 244-119.000.
- Cohrs, Donald E., to Kartridg Pak Co., The. Low pressure cap lift with hydraulic return. 4,875,324, 10-24-89, Cl. 53-88.000.
- Cohrs, Gary D.; Jackson, Ronald J.; and Francisco, Edward E., Jr., to Flow Technology, Inc. Apparatus for determining the characteristic of a flowmeter. 4,794,785, 1-3-89, Cl. 73-3.000.
- Coicolea, Juan I.: *See*—
  - Muller, Richard S.; and Coicolea, Juan I., 4,849,695, Cl. 324-252.000.
- Coils, Inc.: *See*—
  - Blackburn, Raymond L., 4,827,237, Cl. 336-212.000.
- Coin Acceptors, Inc.: *See*—
  - Houserman, Raymond L., 4,809,838, Cl. 194-317.000.
  - Levasseur, Joseph L., 4,834,689, Cl. 453-21.000.
  - Levasseur, Joseph L., 4,838,406, Cl. 194-346.000.
- Coin Controls Limited: *See*—
  - Bellis, Robert D., 4,798,558, Cl. 453-32.000.
- Coiner, Erich E.: *See*—
  - Regas, Kenneth A.; Coiner, Erich E.; and Beilicke, Frederich W., 4,806,953, Cl. 346-136.000.
- Coinview Corporation: *See*—
  - Nelson, William W., 4,821,862, Cl. 194-241.000.
- Coirre, Marie-Monique: *See*—
  - Roze, Danielle; Coirre, Marie-Monique; Rio, Francois; and Bernstein, Pierre, 4,868,010, Cl. 427-130.000.
- Cojan, Yves: *See*—
  - Guerin, Bernard; Coateval, Gilbert; and Cojan, Yves, 4,849,620, Cl. 250-203.00R.
- Cojocari, Brian S.; and Shivers, Joseph R., to Wickes Manufacturing Company. Seat construction. 4,854,643, 8-8-89, Cl. 297-452.000.
- Cok, Steven P.; and Lewandowski, Robert J. Wide range digital phase/frequency detector. 4,843,332, 6-27-89, Cl. 328-133.000.
- Cok, Steven P., to John Fluke Mfg. Co., Inc. N-PI phase/frequency detector. 4,878,231, 10-31-89, Cl. 375-80.000.
- Cok, Steven P.; and Lewandowski, Robert J., to John Fluke Mfg. Co., Inc. Wide range digital phase/frequency detector. 4,884,035, 11-28-89, Cl. 328-133.000.
- Coker, Guy C.: *See*—
  - Vietrogoski, Charles J.; Coker, Guy C.; and Obarowski, Richard, 4,833,959, Cl. 83-404.200.
- Coker, Jonathan D.: *See*—
  - Christensen, Thomas C.; Coker, Jonathan D.; Cunningham, Er A.; Jaworski, Richard C.; Kerwin, Gregory J.; Palmer, Dean C. and Roepke, Jeffrey R., 4,821,125, Cl. 360-31.000.
- Coker, Rick. Fire damper kit. 4,858,517, 8-22-89, Cl. 98-1.000.
- Coker, Thomas G.; Fragala, Anthony R.; LaConti, Anthony B.; and Austin, John F., to United Technologies Corporation. Dry process for fabricating a unitary membrane-electrode structure. 4,822,544, 4-18-89, Cl. 264-104.000.
- Coker, Thomas G.: *See*—
  - LaConti, Anthony B.; and Coker, Thomas G., 4,832,805, Cl. 204-98.000.
- Coker, Wesley F. Fuel saving method and device for internal combustion engines. 4,796,596, 1-10-89, Cl. 123-593.000.
- Colacci, John R.; and Nesbitt, James L., Jr., to Campbell Soup Company. Linear volumetric system with automatic latching means for clamping together adjacent filler cylinders. 4,838,326, 6-13-89, Cl. 141-147.000.

- Colacicco, Ralph D. Air operated plastic pail capper. 4,864,799, 9-12-89, Cl. 53-320.000.
- Colangelo, Gabriel. Self-tightening pivotable grippers. 4,881,304, 11-21-89, Cl. 24-511.000.
- Colanzi, Franco, to RIV-SKF Officine di Villar Perosa S.p.A. Support element of improved type for a vehicle wheel. 4,795,277, 1-3-89, Cl. 384-447.000.
- Colanzi, Franco; and Vignotto, Angelo, to Riv-SKF Officine di Villar Perosa S.p.A. Seal for bearings. 4,874,261, 10-17-89, Cl. 384-484.000.
- Colanzi, Franco: *See*—
  - Ernst, Horst M.; and Colanzi, Franco, 4,810,107, Cl. 384-482.000.
- Colarelli, Nicholas J., III, to Hunter Engineering Company. Vehicle wheel alignment transducer, system and method. 4,879,670, 11-7-89, Cl. 364-559.000.
- Colarusso, Peter R. Three-wheeled cycle. 4,799,704, 1-24-89, Cl. 280-267.000.
- Colato, Albert E.: *See*—
  - Pomroy, James F.; and Colato, Albert E., 4,886,948, Cl. 219-10.55F.
- Colautti, Roberto: *See*—
  - Babuin, Piero; and Colautti, Roberto, 4,833,900, Cl. 68-18.00F.
- Colavito, Dominick M.: *See*—
  - Neville, David I.; Herberger, William E.; and Colavito, Dominick M., 4,843,044, Cl. 501-111.000.
- Colbachini, Giuseppe. Flexible hose assembly for diving suits. 4,808,767, 2-28-89, Cl. 174-47.000.
- Colbaugh, Michael E.; and Wilhelm, John J., to Westinghouse Electric Corp. Axial alignment aid for remote control operations and related method. 4,815,845, 3-28-89, Cl. 356-153.000.
- Colbert, Brian S. Snack pack opener. 4,887,355, 12-19-89, Cl. 30-2.000.
- Colbert, Henry J.: *See*—
  - Doone, Rodney M.; and Colbert, Henry J., 4,851,955, Cl. 361-117.000.
- Colborn, David W.; Campbell, G. Edward; Smith, William L.; Hsieh, Chung-Lu; Swatling, Donald K.; and Arbogast, Peter C., to Clorox Company, The. Mitigation of stress-cracking in stacked loads of fragranced bleach-containing bottles. 4,863,633, 9-5-89, Cl. 252-187.260.
- Colborn, Robert E., to General Electric Company. Heat curable epoxy compositions, and amine adducts of cobalt (II) complexes. 4,814,391, 3-21-89, Cl. 525-370.000.
- Colborn, Robert E., to General Electric Company. Heat curable epoxy compositions, and amine adducts of cobalt(II) complexes. 4,855,467, 8-8-89, Cl. 556-40.000.
- Colborn, Robert E.: *See*—
  - Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853,423, Cl. 523-428.000.
- Colby Instruments, Inc.: *See*—
  - Knorr, Siegfried G., 4,843,355, Cl. 333-160.000.
- Colby, John: *See*—
  - Dalton, Howard; Colby, John; and Stirling, David I., 4,837,150, Cl. 435-123.000.
- Colby, Kenneth W.: *See*—
  - Vinberg, Anders B.; and Colby, Kenneth W., 4,800,510, Cl. 364-521.000.
- Colby, Kevin T. Mail, card and photograph display, storage and retrieval rack. 4,801,022, 1-31-89, Cl. 211-50.000.
- Colclaser, Robert G., III: *See*—
  - Vercellotti, Leonard C.; Anderson, Arthur A.; Christiansen, David A.; Johnson, Dannis R.; Brickner, Laurence R.; Colclaser, Robert G., III; and Leddy, John G., 4,885,564, Cl. 340-310.00A.
- Colclasure, Craig: *See*—
  - Nimberg, Richard B.; Colclasure, Craig; and Lloyd, Weldon S., 4,816,437, Cl. 514-8.000.
- Colclough, Terence, to Exxon Chemical Patents Inc. Sulphur-containing borate esters. 4,859,353, 8-22-89, Cl. 252-46.300.
- Colclough, Terence; Gibson, Frederick A.; and Marsh, John F. Lubricating oil compositions containing ashless dispersant, zinc dihydrocarbyldithiophosphate, metal detergent and a copper compound. 4,867,890, 9-19-89, Cl. 252-327.00E.
- Colcord-Hernandez, Laura J.: *See*—
  - Gutierrez, Antonio; Lundberg, Robert D.; and Colcord-Hernandez, Laura J., 4,870,197, Cl. 556-114.000.
- Cold Spring Harbor Laboratory: *See*—
  - Hanahan, Douglas, 4,851,348, Cl. 435-252.330.
  - Narang, Saran A.; Goodchild, John; and Bukhari, Ahmad I., deceased, 4,830,965, Cl. 435-172.300.
  - Wigler, Michael, 4,866,166, Cl. 536-27.000.
- Coldeco S.A.: *See*—
  - Simon, Laszlo; and Pfau, Jean, 4,840,652, Cl. 62-534.000.
- Colditz, Johannes K. E.: *See*—
  - Creusen, Caspard H. J.; and Colditz, Johannes K. E., 4,855,587, Cl. 250-213.0VT.
- Coldren, Larry A.; Scott, Jeffery W.; and Yan, Ran H., to University of California, The Regents of the. Surface-emitting lasers with periodic gain and a parallel driven nipi structure. 4,873,696, 10-10-89, Cl. 372-96.000.
- Coldren, Larry A.; and Skidmore, Jay A., to University of California, The Regents of the. Low damage-producing, anisotropic, chemically enhanced etching method and apparatus. 4,874,459, 10-17-89, Cl. 156-643.000.
- Coldwell, Geoffrey S.: *See*—
  - Ford, Lionel H.; Oruh, Samuel N.; Singh, Jaswant; and Coldwell, Geoffrey S., 4,817,428, Cl. 73-434.000.
- Cole, Barrett E., to Honeywell Inc. Ion beam sputtered mirrors for ring laser gyros. 4,848,909, 7-18-89, Cl. 356-350.000.
- Cole, Bill W.: *See*—
  - Bockrath, Ronald E.; and Cole, Bill W., 4,861,855, Cl. 528-125.000.
- Cole, Chris: *See*—
  - Agazzi, Oscar; Cole, Chris; and Levy, Steve, 4,866,739, Cl. 375-106.000.
  - Hedberg, Dave; Cole, Chris; and Levy, Steve, 4,870,370, Cl. 330-133.000.
- Cole, Edward W., III: *See*—
  - Shrewsburg, James E.; and Cole, Edward W., III, 4,812,350, Cl. 428-151.000.
- Cole, Eugene H.: *See*—
  - Urschel, Joe R.; Barlog, Mark J.; Cole, Eugene H.; and Urschel, Gerald W., 4,813,317, Cl. 83-356.300.
- Cole, Evelyn, to Cole, Evelyn. Facial spray guard. 4,837,861, 6-13-89, Cl. 2-9.000.
- Cole, Francis: *See*—
  - Bahar, Izak; and Cole, Francis, 4,868,108, Cl. 435-7.000.
- Cole, Francis T.; Livdahl, Philip V.; Mills, Frederick E., III; and Teng, Lee C., to Loma Linda University Medical Center. Multi-station proton beam therapy system. 4,870,287, 9-26-89, Cl. 250-492.300.
- Cole, Francis X.; Davis, Gene; and Sigillo, Eric, to Hygeia Sciences, Inc. Metal sol capture immunoassay procedure, kit for use therewith and captured metal containing composite. 4,859,612, 8-22-89, Cl. 436-523.000.
- Cole, Frederic W.; and Padden, James B., to Facet Enterprises Inc. Porous composite structure. 4,805,656, 2-21-89, Cl. 138-41.000.
- Cole, Gary W.: *See*—
  - Pomper, Seymour; Cole, Gary W.; and Davis, James R., 4,797,365, Cl. 435-256.000.
- Cole, Glen A. Multipurpose hook-on platform. 4,869,520, 9-26-89, Cl. 280-164.100.
- Cole, Gordon N.: *See*—
  - Cole, Leland G.; and Cole, Gordon N., 4,849,115, Cl. 210-748.000.
- Cole, Herbert S., Jr.; Levinson, Lionel M.; Liu, Yung S.; and Sitnik, Theresa A., to General Electric Company. Electroless deposition employing laser-patterned masking layer. 4,865,873, 9-12-89, Cl. 427-53.100.
- Cole, Howard W., Jr. Apparatus and method for controlling the flow of foam at low flow rates. 4,830,737, 5-16-89, Cl. 209-164.000.
- Cole, Jack, to Conoco Inc. Telescoping tube omni-directional shear wave vibrator. 4,871,045, 10-3-89, Cl. 181-114.000.
- Cole, Jack H., to Conoco Inc. Apparatus for generating elliptically polarized shear waves. 4,853,906, 8-1-89, Cl. 367-189.000.
- Cole, Jack H., to Conoco Inc. Downhole seismic sources. 4,862,990, 9-5-89, Cl. 181-106.000.
- Cole, Jack H., to Conoco Inc. Tubular shear wave source. 4,867,096, 9-19-89, Cl. 181-114.000.
- Cole, Jack H., to Conoco Inc. Downhole orbital seismic source. 4,874,061, 10-17-89, Cl. 181-106.000.
- Cole, Jack H.: *See*—
  - Myers, Wilbur J.; and Cole, Jack H., 4,881,210, Cl. 367-173.000.
- Cole, Jacqueline M.: *See*—
  - Arlington, David L.; Cole, Jacqueline M.; Hazelzet, Bruce G.; Krolak, David J.; Li, Hehching H.; Oza, Bharat J.; and Weaver, A. Frank, 4,888,773, Cl. 371-40.200.
- Cole, Jim R., Jr., to Syntrieve, Inc. Streamer retrieval system and method. 4,823,325, 4-18-89, Cl. 367-20.000.
- Cole, John B. Method and apparatus for washing and treating animals with a recirculating fluid system. 4,836,144, 6-6-89, Cl. 119-158.000.
- Cole, John C.: *See*—
  - Heath, William W.; and Cole, John C., 4,854,876, Cl. 434-29.000.
- Cole John M., to Kolene Corporation. Method and apparatus for settling sludge. 4,818,303, 4-4-89, Cl. 148-20.000.
- Cole, Joseph P.: *See*—
  - Schneider, Paul A.; and Cole, Joseph P., 4,846,243, Cl. 160-84.100.
- Cole, Kenneth C.: *See*—
  - Cielo, Paolo; Krapez, Jean-Claude; Cole, Kenneth C.; and Vaudreuil, Ghislain, 4,874,948, Cl. 250-341.000.
- Cole, Leland G.; and Cole, Gordon N. Process for oxidizing organic residues in an aqueous stream. 4,849,115, 7-18-89, Cl. 210-748.000.
- Cole, Malcolm P., Jr., to Methodist Hospital System, The. Apparatus and method for filtering electrocardiograph signals. 4,887,609, 12-19-89, Cl. 128-696.000.
- Cole & Manson, Limited: *See*—
  - Griffin, Anthony H., 4,844,352, Cl. 241-101.200.
- Cole, Marion P. Traffic generator analog. 4,852,144, 7-25-89, Cl. 379-11.000.
- Cole, Michael, to Ford Microelectronics, Inc. Shielded bar-cap. 4,870,541, 9-26-89, Cl. 361-328.000.
- Cole, Michael; Munden, Dennis L.; and Ryan, Marilynn J. Thread friction measurement arrangement. 4,883,531, 11-28-89, Cl. 73-9.000.
- Cole, Nigel G.; and Adams, Peter F., to British Telecommunications Public Limited Company. Detecting faults in transmission lines employing an echo cancellation signal. 4,859,951, 8-22-89, Cl. 324-534.000.
- Cole-Parmer Instrument Company: *See*—
  - Soderquist, Charles E.; and Beck, James P., 4,886,431, Cl. 417-477.000.
- Cole, Paul D.: *See*—
  - Goldstein, Yuri; Abdelsayed, William E.; and Cole, Paul D., 4,809,300, Cl. 375-94.000.
- Cole, Peter C.: *See*—
  - Newton, Glen E.; and Cole, Peter C., 4,833,866, Cl. 53-529.000.

Cole, Robert J. Bubble forming and stabilizing device for use in continuous extrusion process for making a blown film. 4,846,645, 7-11-89, Cl. 425-72.100.
Cole, Robert L., to A. O. Smith Corporation. Permanent magnet rotor with magnet retention band. 4,855,630, 8-8-89, Cl. 310-156.000.
Cole, Rodney D. Material applicator assembly and wiper therefor. 4,802,797, 2-7-89, Cl. 401-122.000.
Cole, Rodney D. Cosmetic applicator and wiper therefore. 4,810,122, 3-7-89, Cl. 401-122.000.
Cole, Rodney D. Cosmetic container and assembly. 4,886,080, 12-12-89, Cl. 132-320.000.
Cole, Roger J. Bright light mask. 4,858,609, 8-22-89, Cl. 128-395.000.
Cole, Ronald E., to Emhart Industries, Inc. Icemaker. 4,800,731, 1-31-89, Cl. 62-233.000.
Cole, Ronald E., to Emhart Industries, Inc. Timer with improved clutch and method of manufacturing the same. 4,811,312, 3-7-89, Cl. 368-107.000.
Cole, Ronald E., to Emhart Industries, Inc. Camstack and switch assembly and timer utilizing same. 4,814,556, 3-21-89, Cl. 200-38.00R.
Cole, Ronald E., to Emhart Industries, Inc. Icemaker with improved bail mechanism. 4,835,978, 6-6-89, Cl. 62-137.000.
Cole, Ronald E., to Emhart Industries, Inc. Icemaker with improved water quantity control. 4,866,948, 9-19-89, Cl. 62-233.000.
Cole, Ronald S. Safety umbrella. 4,872,468, 10-10-89, Cl. 135-16.000.
Cole, Setsuko J.: *See—*
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Williams, Roger M.; Wheeler, Bob L.; Jefferies-Nakamura, Barbara; Lamb, James L.; Bankston, Clyde P.; and Cole, Terry, 4,835,071, Cl. 429-11.000.
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Cole, William G., to Westinghouse Electric Corp. Short stud tensioning apparatus. 4,844,418, 7-4-89, Cl. 254-29.00A.
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Berliner, William, 4,808,142, Cl. 446-301.000.
Berliner, William; and Johnson-Williams, Mark B., 4,820,236, Cl. 446-369.000.
Berliner, William; and Koda, Walter, 4,854,911, Cl. 446-376.000.
Hemmann, Ronald S., 4,811,954, Cl. 273-283.000.
Rose, William J., 4,840,602, Cl. 446-175.000.
Rose, William J., 4,857,030, Cl. 446-303.000.
Colegrove, George T.; and Lindroth, Thomas A., to Merck & Co., Inc. Solid, herbicidal bipyridinium quaternary salt compositions. 4,832,730, 5-23-89, Cl. 71-92.000.
Colegrove, George T.; and Lindroth, Thomas A., to Merck & Co., Inc. Solid, herbicidal complexes. 4,874,423, 10-17-89, Cl. 71-95.000.
Colegrove, George T.; and Lindroth, Thomas A., to Merck & Co., Inc. Low viscosity heteropolysaccharides. 4,874,854, 10-17-89, Cl. 536-114.000.
Colella, James A. Disposable cover for telephone. 4,819,265, 4-4-89, Cl. 379-452.000.
Colella, Vincent J.; and Spector, George. Drill powered saber saw. 4,841,643, 6-27-89, Cl. 30-500.000.
Colella, Wayne: *See—*
Pilat, John; Keating, David; and Colella, Wayne, 4,873,652, Cl. 364-518.000.
Colelli, Robert P.: *See—*
Small, Jason W.; and Colelli, Robert P., 4,844,266, Cl. 211-88.000.
Coleman, Benny R. Indicating device. 4,842,279, 6-27-89, Cl. 273-183.00A.
Coleman, Billy M.: *See—*
Bean, Donald E.; and Coleman, Billy M., 4,890,105, Cl. 341-116.000.
Coleman, Brian: *See—*
Zon, Arie Van; and Coleman, Brian, 4,876,020, Cl. 252-40.500.
Coleman, Charles R.; and Rukavina, Thomas G., to PPG Industries, Inc. Low modulus interlayer. 4,857,407, 8-15-89, Cl. 428-412.000.
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Coleman, Clarence B., to Fabricated Metals, Inc. Bulk material container with a door movable over a rectilinear path. 4,858,791, 8-22-89, Cl. 222-510.000.
Coleman Company, Inc., The: *See—*
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Hefling, Dennis V., 4,870,314, Cl. 310-339.000.
Hefling, Dennis V., 4,881,520, Cl. 126-44.000.
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Coleman, Donald J., to Eaton Corporation. Dimmer switch. 4,812,6 3-14-89, Cl. 200-570.000.
Coleman, Donald J., Jr., to Texas Instruments Incorporated. Ferromagnetic gate memory. 4,831,427, 5-16-89, Cl. 357-27.000.
Coleman-Frizzell, Inc.: *See—*
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Coleman, Glenn H.: *See—*
McNulty, M. Christa; Schricker, Karl E.; Coleman, Glenn H. Dutton, Patricia L.; and Lystad, Garr S., 4,868,755, C 364-434.000.
Coleman, Guy B.; Henderson, James W.; and Sacks, Jack, to Multi Group. Method and apparatus for multiplexing television signa 4,868,658, 9-19-89, Cl. 358-141.000.
Coleman, Harry: *See—*
Raines, James G.; and Coleman, Harry, 4,842,453, Cl. 408-89.0
Coleman, Jack E., to Welded Products, Inc. Detachable van se 4,805,952, 2-21-89, Cl. 296-65.100.
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Coleman, Jeffrey O., to Boeing Company, The. Demodulation technique for coherence multiplexed optical data transmission syste 4,882,775, 11-21-89, Cl. 455-617.000.
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Coleman-Kammula, Seetha; and Hulskers, Harold, to Shell Oil Company. Process for the preparation of polymer-grafted cellulose fibers by reacting carboxymethyl cellulose peroxide with vinyl monome 4,851,010, 7-25-89, Cl. 8-115.620.
Coleman-Kammula, Seetha, to Shell Oil Company. Process for the preparation of hydrocarbyl-grafted cellulose fibers. 4,857,58 8-15-89, Cl. 525-54.200.
Coleman, Larry. Bicycle mounted water toy. 4,807,813, 2-28-89, C 239-153.000.
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Coleman, Samuel L.; and de Graaff, Willem T., to Coleman-Frizzell, Inc. Apparatus for engraving vein cuts. 4,868,961, 9-26-89, Cl. 29-33.00Q.

Coleman, Vincent R., to Van Dorn Company. Apparatus for heat treating steel plates. 4,826,138, 5-2-89, Cl. 266-115.000.
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Colin, Joseph F.; Kaercher, Leo T.; and Roberts, Charles D., to Babcock & Wilcox Company, The. Controlled slow cooling of steel tubulars. 4,861,394, 8-29-89, Cl. 148-153.000.
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Coller, John H.; and Littleton, Donald N., to D. G. Shelter Products Co. Method for producing thermoplastic frames for fenestration. 4,875,271, 10-24-89, Cl. 29-432.000.

Colleran, Stephen A.; and Geib, Lawrence E., to Molex Incorporated. Wiring harness connector retainer. 4,813,885, 3-21-89, Cl. 439-565.000.

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Colles, Joseph H., to Brooktree Corporation. Reference generator. 4,814,688, 3-21-89, Cl. 323-317.000.

Colles, Joseph H., to Brooktree Corporation. CMOS input circuit. 4,831,282, 5-16-89, Cl. 307-443.000.

Colles, Joseph H., to Brooktree Corporation. Apparatus for converting data between digital and analog values. 4,847,621, 7-11-89, Cl. 341-148.000.

Colles, Joseph H., to Brooktree Corporation. Flash analog-to-digital converter. 4,860,011, 8-22-89, Cl. 341-133.000.

Collet, Andre; Gourrier, Serge; and Maurin, Olivier, to U.S. Philips Corporation. Photolithographic method producing sub-micron patterns in the manufacture of electronic microcircuits. 4,816,[illegible], 3-28-89, Cl. 430-296.000.

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Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, to Goodyear Tire & Rubber Company, The. Pneumatic tire. 4,856,571, 8-15-89, Cl. 152-209.00R.

Collette, Jerry R. Asphalt recycling conveyor. 4,798,533, 1-17-89, Cl. 432-227.000.

Collette, Jerry R. Reflux volatilization system. 4,827,854, 5-9-89, Cl. 110-237.000.

Collette, Jerry R. Asphalt recycling conveyor. 4,865,259, 9-12-89, Cl. 241-186.00A.

Collette, Wayne N.; Piccioli, David P.; and Krishnakumar, Suppayan M., to Continental PET Technologies, Inc. Multilayer preform for hot fill containers. 4,847,129, 7-11-89, Cl. 428-35.700.

Collette, Wayne N.; Krishnakumar, Suppayan M.; and Piccioli, David P., to Continental PET Technologies, Inc. Hot fill container. 4,863,046, 9-5-89, Cl. 215-1.00C.

Collette, Wayne N.; and Krishnakumar, Suppayan M., to Continental PET Technologies, Inc. Plastic container, preform for and method of making same. 4,889,247, 12-26-89, Cl. 215-1.00C.

Colletti, Peter, to Johann Haviland China. Dinnerware [illegible] 4,830,185, 5-16-89, Cl. 206-449.000.

Colley, Alice M.: *See—*

Guggenheim, Thomas L.; McCormick, Sharon J.; Colley, Alice M.; and Guiles, Joseph W., 4,868,279, Cl. 528-324.000.

Colley, Charles R., deceased; and by Passant, Muriel E., executrix, to BOC Cryoplants Limited. Krypton separation. 4,805,412, 2-21-89, Cl. 62-22.000.

Colley, James D., to Tampa Electric Company. Process of desulfurization. 4,876,076, 10-24-89, Cl. 423-242.000.

Colley, William C., III; and Kachmarik, David, to Reliance Comm/Tec Corporation. Frequency controlled preload. 4,831,507, 5-16-89, Cl. 363-21.000.

Colli, Luigi; and Monego, Sergio, to Savio S.p.A. Yarn tensioning device in the form of rotary discs. 4,809,927, 3-7-89, Cl. 242-150.00R.

Colli, Luigi, to Savio, S.p.A. Unwinder arm rotating about a pivot suspended above a two-for-one twisting spindle for unwinding superposed bobbins. 4,856,268, 8-15-89, Cl. 57-58.520.

Colli, Luigi; Badiali, Roberto; and Franci, Giosue, to Savio S.p.A. Equipment and process to supply winding tubes to the individual winding stations of a textile machine. 4,865,260, 9-12-89, Cl. 242-35.50A.

Colli, Luigi, to Savio, S.p.A. Method and device for tube selection. 4,871,072, 10-3-89, Cl. 209-656.000.

Colli, Luigi: *See—*

Boller, Giorgio; Ferro, Francesco; and Colli, Luigi, 4,854,509, Cl. 242-18.00R.

Boller, Giorgio; Montali, Sergio; and Colli, Luigi, 4,854,513, Cl. 242-18.00R.

Montali, Sergio; Boller, Giorgio; and Colli, Luigi, 4,854,511, Cl. 242-18.0DD.

Montali, Sergio; Boller, Giorgio; and Colli, Luigi, 4,854,512, Cl. 242-18.0DD.

Montali, Sergio; Ferro, Francesco; and Colli, Luigi, 4,858,837, Cl. 242-18.00R.

Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, 4,854,510, Cl. 242-18.0DD.

Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, 4,854,514, Cl. 242-18.00R.

Collie, David E.: *See—*

Thigpen, F. Bruce; and Collie, David E., 4,837,838, Cl. 381-158.000.

Collienne, Franz-Joseph: *See—*

Corsten, Leonard; Collienne, Franz-Joseph; and Nicolin, Johannes, 4,841,875, Cl. 105-224.050.

Collier, Barry J.; Hale, Joseph F.; and Pitts, Ian, to Xerox Corporation. Toner fuser apparatus. 4,870,445, 9-26-89, Cl. 355-282.000.

Collier, Barry J.: *See—*

Bickerstaff, Alan E.; Collier, Barry J.; Hale, Joseph F.; Hitchmough, Peter M.; Pitts, Ian; Rasul, Ghulam; Saggers, Barry; Smyth, Kevin J.; Stevenson, Duncan; and Stewart, Mark A., 4,870,446, Cl. 355-282.000.

Collier, Charles A.: *See—*

Rockom, John W.; and Collier, Charles A., 4,889,252, Cl. 220-3.100.

Collier, Charles P., to Fluorographic Services, Inc. Method for color and black and white reproduction and formulation used therewith. 4,879,267, 11-7-89, Cl. 503-201.000.

Collier, Christopher J.: *See—*

Dewey, Richard J.; and Collier, Christopher J., 4,803,700, Cl. 375-77.000.

Collier, David S. Carpet repair steam system. 4,875,249, 10-24-89, Cl. 15-398.000.

Collier, Donald W.: *See—*

Fuller, Kip L.; and Collier, Donald W., 4,843,377, Cl. 340-573.000.

Collier, John C.; and Reeves, Stuart J., to BICC Public Limited Company. PTC adaptor. 4,865,561, 9-12-89, Cl. 439-391.000.

Collier, John P., to Boehringer Mannheim Corporation. Sugical method of attaching enclosure member for prosthetic joint. 4,822,368, 4-18-89, Cl. 623-22.000.

Collier, John R.; and Holker, Kenneth U., to Albright & Wilson Limited. Products for treating surfaces. 4,881,975, 11-21-89, Cl. 106-14.050.

Collier, Nicholas: *See—*

Chawla, Manmohan S.; Collier, Nicholas; and Sehnert, Steven D., 4,862,804, Cl. 102-309.000.

Collier, Richard J., to Kent Scientific; and Industrial Project Ltd. Apparatus for detecting the resonant frequency of a bone. 4,799,498, 1-24-89, Cl. 128-774.000.

Collier, William H.; Fadule, Matthew J.; and Dunn, James S., to Thomas & Betts Corporation. Metal shell electrical connector and subassembly therefor. 4,820,188, 4-11-89, Cl. 439-395.000.

Collier, William R. Climate control apparatus. 4,874,127, 10-17-89, Cl 236-49.500.

Collin, Edwin J.: *See—*

Kelaita, Joseph B., Jr.; and Collin, Edwin J., 4,801,907, Cl. 335-20.000.

Collin, Gerd: *See—*

Weitkamp, Jens; Neuber, Marita; Holtmann, Wilhelm; Collin, Gerd; and Spengler, Hans, 4,795,847, Cl. 585-467.000.

Collin, Pierre. Security grill for window opening. 4,835,906, 6-6-89, Cl. 49-57.000.

Collin, Robert, to Thomson-CSF. Wide band and low noise amplifier for metric waves. 4,853,652, 8-1-89, Cl. 330-294.000.

Collingborn, Peter A. G.: *See—*

Abinett, Raymond E.; and Collingborn, Peter A. G., 4,844,033, Cl. 123-383.000.

Collinge, Gary E.: *See—*

Coulson, Wayne C. S.; Jarman, Philip S.; and Collinge, Gary E., 4,848,703, Cl. 244-137.100.

Collings, Edwin L., Jr.: *See—*

Nolte, David G.; and Collings, Edwin L., Jr., 4,865,741, Cl. 210-635.000.

Collings, James A. Bar unit. 4,842,350, 6-27-89, Cl. 312-228.000.

Collings, Roger J.; and Bannon, David G., to Sundstrand Corporation. Solar energy apparatus with apertured shield. 4,850,337, 7-25-89, Cl. 126-417.000.

Collington, Eric W.; Finch, Harry; and Judd, Duncan B., to Glaxo Group Limited. Cyclopentyl ethers and their preparation and pharmaceutical formulation. 4,824,993, 4-25-89, Cl. 560-053.000.

Collington, Eric W., to Glaxo Group Limited. Cyclopentyl ethers and their preparation and pharmaceutical formulation. 4,837,363, 6-6-89, Cl. 560-053.000.

Collington, Eric W.; Finch, Harry; Judd, Duncan B.; Johnson, Malcolm; and Strong, Peter, to Glaxo Group Limited. Cyclopentyl ethers and their use in medicine. 4,847,255, 7-11-89, Cl. 514-212.000.

Collington, Eric W.; Finch, Harry; Judd, Duncan B.; and Meadows, James D., to Glaxo Group Limited. Cyclopentyl ethers [illegible] their preparation and pharmaceutical formulation. 4,847,369, 7-[illegible]9, Cl. 536-46.000.

Collington, Eric W.; Finch, Harry; Judd, Duncan B.; and Meadows, James D., to Glaxo Group Limited. Cyclopentyl ethers and their preparation and pharmaceutical formulation. 4,847,370, 7-11-89, Cl. 536-103.000.

Collington, Eric W.; and Finch, Harry, to Glaxo Group Limited. Cyclopentyl ethers and their preparation and pharmaceutical formulation. 4,851,523, 7-25-89, Cl. 536-103.000.

Collington, Eric W.; Finch, Harry; and Judd, Duncan B., to Glaxo Group Limited. Anti-inflammatory compositions comprising a systemic non-steroidal anti-inflammatory drug and a cyclopentyl ether. 4,855,293, 8-8-89, Cl. 514-212.000.

Collins & Aikman Corporation: *See—*

Endrenyi, Frank, Jr.; and Hankins, Larry W., 4,877,669, Cl. 428-88.000.

Queen, Robert A.; and Faloon, Michael D., 4,801,169, Cl. 296-39.100.

Reott, Gerald A., 4,822,663, Cl. 428-159.000.

Smith, Vernon C.; and Roberts, Ruth C., 4,808,459, Cl. 428-95.000.

Tschirch, Richard P., 4,824,709, Cl. 428-95.000.

Ward, Robert C.; and Stanton, Patrick A., 4,849,267, Cl. 428-41.000.

Weinle, Paul L.; and Hinshaw, Ivan E., 4,818,316, Cl. 156-88.000.

Weinle, Paul L.; Smith, Vernon C.; Gardner, Christopher H.; Peoples, Clarence A., Jr.; and Pierce, Matthew R., 4,840,832, Cl. 428-156.000.

Collins, Alan J.; and Husni, Mazen R., to University College Cardiff Consulatants Limited. Apparatus for identifying an electrically conducting material. 4,870,360, 9-26-89, Cl. 324-235.000.

Collins, Arthur A., to Arthur A. Collins, Inc. Dynamically reconfigurable time-space-time digital switch and network. 4,797,589, 1-10-89, Cl. 370-63.000.

Collins, Arthur K.: *See—*

Pearson, Phil E., Jr.; and Collins, Arthur K., 4,839,805, Cl. 364-413.140.

Collins, Arthur R.; and Clarkson, Carroll E. Radial pump. 4,874,297, 10-17-89, Cl. 417-265.000.

Collins, Bob: *See—*

LaMontagne, Brad; Kotil, Elwood; and Collins, Bob, 4,827,864, Cl. 114-343.000.

Collins, Bob W., to Power Tork Hyraulics, Inc. Stationary cylinder torque wrench. 4,819,520, 4-11-89, Cl. 81-57.390.

Collins, Burk. Fishing float. 4,858,369, 8-22-89, Cl. 43-43.100.

Collins, Cecil A.; and Smola, Joseph, to General Safety Corporation. Seat belt retractor having integral seat belt warning switch. 4,866,223, 9-12-89, Cl. 200-61.160.

Collins, Christopher G.: *See—*

Blake, Scott L.; Carthew, Millie A.; and Collins, Christopher G., 4,880,531, Cl. 210-169.000.

Collins, Cynthia L.: *See—*

Yanus, Theodore M.; Collins, Kevin M.; Collins, Cynthia L.; and Spicer, Robert J., 4,834,403, Cl. 280-30.000.

Collins, Dane H. Decorative message display. 4,879,823, 11-14-89, Cl. 40-124.100.

Collins, David: *See—*

Collins, Harvey C.; Shovan, Larry; and Collins, David, 4,846,443, Cl. 254-8.00B.

Trumbull, Douglas; Collins, David; Smith, Wayne; and Spieldiener, Robert, 4,798,376, Cl. 272-18.000.

Trumbull, Douglas; Collins, David; Smith, Wayne; and Spieldiener, Robert, 4,874,162, Cl. 272-18.000.

Collins, David J.: *See—*

Maurice, James; Collins, David J.; Hall, Michael O.; and McLoughlin, Peter D., 4,857,819, Cl. 318-778.000.

Collins, David M.: *See—*

Burger, Thomas F.; Collins, David M.; Collins, Stephen M.; and Burger, Manfred R., 4,846,856, Cl. 55-106.000.

Collins, Dawson M.: *See—*

Hitchcock, Gary L.; Thomey, Henry W.; Kodjat, Yahya; Cadarette, Marc R.; and Collins, Dawson M., 4,840,607, Cl. 474-167.000.

Collins Design Company, Inc.: *See—*

Collins, Jerry L., 4,814,744, Cl. 340-443.000.

Collins, Donald A., Jr.: *See—*

Mergenthaler, Barry M.; Detwiler, Paul O.; and Collins, Donald A., Jr., 4,851,667, Cl. 250-236.000.

Collins, Earl R., Jr., to United States of America, National Aeronautics and Space Administration. High density tape casting system. 4,839,121, 6-13-89, Cl. 264-114.000.

Collins, Earl R., Jr.; Marner, Wilbur J.; and Rohatgi, Naresh K., to California Institute of Technology. Vortex generator for flow control. 4,846,224, 7-11-89, Cl. 137-810.000.

Collins, Earl R., Jr.; Suitor, Jerry W.; and Dubis, David, to United States of America, National Aeronautics and Space Administration. Energy efficient continuous flow ash lockhoper. 4,860,669, 8-29-89, Cl. 110-165.00R.

Collins, Earl R., Jr., to United States of America, Administrator, National Aeronautics and Space Administration. Convergent strand array liquid pumping system. 4,877,082, 10-31-89, Cl. 165-104.260.

Collins, Earl R., Jr., to California Institute of Technology. In vivo electrode implanting system. 4,886,065, 12-12-89, Cl. 128-642.000.

Collins, Edward A.: *See—*

Moore, Dan T., III; Collins, Edward A.; and Wheeler, Maurice E., 4,851,271, Cl. 428-34.500.

Collins, Frederick H.: *See—*

Pontiff, Thomas M.; and Collins, Frederick H., 4,870,111, Cl. 521-60.000.

Collins, G. Robert: *See—*
Parker, Theodore L.; and Collins, G. Robert, 4,836,646, Cl. 350-96.340.
Collins, George A.: *See—*
Memmel, Robert A., Jr.; Wilfong, Daryl A.; and Collins, George A., 4,820,375, Cl. 156-566.000.
Collins, George J.; Meyer, Jack D.; and Yu, Zeng-qi, to Applied Electron Corporation. Mounting of a cold cathode directly to a vacuum chamber wall. 4,801,839, 1-31-89, Cl. 313-30.000.
Collins, George J.; and Krishnaswamy, Jayaram, to Applied Electron Corporation. Soft vacuum electron beam patterning apparatus and process. 4,827,137, 5-2-89, Cl. 250-492.200.
Collins, George J.; McNeil, John R.; and Yu, Zeng-qi. Magnetron deposition of ceramic oxide-superconductor thin films. 4,842,704, 6-27-89, Cl. 204-192.240.
Collins, George J.; and McNeil, John R. Method and apparatus for hermetic coating of optical fibers. 4,863,576, 9-5-89, Cl. 204-192.150.
Collins, George L.; and Wissbrun, Kurt F., to Hoechst Celanese Corp. Acetal polymer bonded articles and method of making same. 4,816,107, 3-28-89, Cl. 156-327.000.
Collins, George L.: *See—*
Powanda, Thomas M.; Imes, Robert H.; and Collins, George L., 4,859,792, Cl. 560-204.000.
Powanda, Thomas M.; Imes, Robert H.; and Collins, George L., 4,868,329, Cl. 560-205.000.
Collins, Harvey C.; Shovan, Larry; and Collins, David, to Collins, Harvey C. Floor covering installation tool. 4,846,443, 7-11-89, Cl. 254-8.00B.
Collins, Imack, to White Consolidated Industries, Inc. Line feed mechanism for line trimmers. 4,823,465, 4-25-89, Cl. 30-276.000.
Collins, Imack L.; Stuart, Jerry E.; and Foster, Gary H., to White Consolidated Industries, Inc. Apparatus for cutting vegetation. 4,835,867, 6-6-89, Cl. 30-276.000.
Collins, Jack N. Full width metatarsal pad. 4,803,989, 2-14-89, Cl. 128-586.000.
Collins, James M.; and Clark, Robert E., to United States of America, Army. Separable scraper bar attachment for track-type vehicles. 4,830,439, 5-16-89, Cl. 305-11.000.
Collins, James S.: *See—*
Sero, Samuel J.; Collins, James S.; and Yates, Victor, 4,843,785, Cl. 52-160.000.
Sero, Samuel J.; Collins, James S.; and Yates, Victor, 4,882,891, Cl. 52-742.000.
Collins, Jason H.; and Woodhead, Robert G. Umbilical cord clamp apparatus. 4,856,517, 8-15-89, Cl. 128-346.000.
Collins, Jason H. Surgical speculum. 4,884,559, 12-5-89, Cl. 128-17.000.
Collins, Jerry L., to Collins Design Company, Inc. Low tire-pressure warning system. 4,814,744, 3-21-89, Cl. 340-443.000.
Collins, Joel C.: *See—*
Hollingsworth, John D.; Garrison, Joe K.; Collins, Joel C.; Warnock, William A., deceased; Weiskel, Lillith, Legal Representative; Nyberg, Muriel R., Legal Representative; Warnock, Charles F., legal representative; and Pergande, Lorraine, legal representative, 4,831,691, Cl. 19-98.000.
Collins, John, to Mabey Hire Co., Limited. Steel soldier. 4,798,037, 1-17-89, Cl. 52-731.000.
Collins, John A., Jr. Rapid mandibular advancement and vertical and lateral development device. 4,802,849, 2-7-89, Cl. 433-19.000.
Collins, Kenneth S.: *See—*
Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilya; and Maydan, Dan, 4,872,947, Cl. 156-643.000.
Collins, Kent: *See—*
Tansel, David C.; and Collins, Kent, 4,841,663, Cl. 43-34.000.
Collins, Kevin M.: *See—*
Yanus, Theodore M.; Collins, Kevin M.; Collins, Cynthia L.; and Spicer, Robert J., 4,834,403, Cl. 280-30.000.
Collins, Malcolm G.; and Parry, Christopher S., to Metal Box plc. Method of securing handles to plastics containers. 4,799,306, 1-24-89, Cl. 29-453.000.
Collins, Malcolm G.; and Rayner, Adrien P., to Metal Box plc. Plug lid for a container. 4,799,602, 1-24-89, Cl. 220-307.000.
Collins, Malcolm G., to Metal Box plc. Pistons for pressure-dispensing containers. 4,854,485, 8-8-89, Cl. 222-386.000.
Collins, Marcus H., to Eaton Corporation. Clutch and brake assembly. 4,807,731, 2-28-89, Cl. 192-18.00A.
Collins, Marcus H.; and Winckler, Peter S., to Eaton Corporation. Brake/clutch with direct liquid cooling. 4,828,089, 5-9-89, Cl. 192-70.120.
Collins, Marcus H.; and Diesch, Ronald W., to Eaton Corporation. Clutch and brake rapid exhaust manifold. 4,874,068, 10-17-89, Cl. 192-18.00A.
Collins, Mary; Dougherty, Joseph P.; Ellwood, Marian S.; Fritsch, Edward F.; and Jacobs, Kenneth A. Method and kit involving displacement and rehybridization of labeled polynucleotide. 4,818,680, 4-4-89, Cl. 435-6.000.
Collins, Michael. Rice press rollers. 4,815,370, 3-28-89, Cl. 99-618.000.
Collins, Michael J.; and Manchester, Dennis P., to CEM Corporation. Microwave heating apparatus for laboratory analyses. 4,835,354, 5-30-89, Cl. 219-10.55B.
Collins, Michael S.; and Roby, Robert E., to Miles Laboratories, Inc. High titer pseudomonas immune serum globulin. 4,801,450, 1-31-89, Cl. 424-87.000.
Collins, Michael S.: *See—*
Champion, Alexander B.; and Collins, Michael S., 4,850,993, Cl. 604-408.000.
Collins Motor Corporation Limited: *See—*
Neale, Michael J.; and Polak, Thomas A., 4,884,536, Cl. 123-197.0AC.
Valentine, Ronald E., 4,794,887, Cl. 123-56.0AC.
Valentine, Ronald E., 4,819,591, Cl. 123-90.440.
Collins, Paul W.; and Gasiecki, Alan F., to G. D. Searle & Co. Tetraenyl prostaglandins. 4,820,728, 4-11-89, Cl. 514-530.000.
Collins, Paul W.; and Gasiecki, Alan F., to G. D. Searle & Co. Tetraenyl prostaglandins. 4,847,293, 7-11-89, Cl. 514-530.000.
Collins, Paul W.; and Gasiecki, Alan F., to G. D. Searle & Co. Tetraenyl prostaglandins. 4,863,961, 9-5-89, Cl. 514-530.000.
Collins, Richard; Pailthorpe, Bernard; and Bourke, Brendan, to University of Sydney, The; and Rheem Australia Ltd. Evacuated solar collector tube. 4,834,066, 5-30-89, Cl. 126-443.000.
Collins, Richard M.; and Beauchemin, Edward, to BULL HN Information Systems Inc. Computer network system for multiple processing elements. 4,835,674, 5-30-89, Cl. 364-200.000.
Collins, Richard W.: *See—*
Benigni, Samuel P.; and Collins, Richard W., 4,820,223, Cl. 445-6.000.
Collins, Robert A.; and Weighner, Philip F. Method of producing products for use in the treatment of bacterial and/or virus infections. 4,843,065, 6-27-89, Cl. 514-21.000.
Collins, Robert T.; Quinn, John D.; and Fidrych, Stephen A., to Digital Equipment Corporation. Mounting chassis for a graphics function control unit. 4,879,635, 11-7-89, Cl. 361-391.000.
Collins, Robert W.; Davidson, William S.; Dickes, Steven M.; Effle, James S.; Larson, Carle J.; Weinschenk, Russell J.; and Wottreng, Peter M., to International Business Machines Corporation. Job interrupt at predetermined boundary for enhanced recovery. 4,847,749, 7-11-89, Cl. 364-200.000.
Collins, Roger J.; and Hodgson, James R. T., to Brown & Root Vickers Technology. Marine tether anchoring device. 4,797,036, 1-10-89, Cl. 105-224.000.
Collins, Ross S. Fluid pumps. 4,842,481, 6-27-89, Cl. 415-206.000.
Collins, Scott D.: *See—*
Smith, Rosemary L.; and Collins, Scott D., 4,874,499, Cl. 204-403.000.
Collins, Scott J.; and Strandell, Timothy B., to Brenner Associates, Ltd. Paint valve. 4,824,272, 4-25-89, Cl. 401-197.000.
Collins, Seymour; and McClellan, William F., to Pipe Shields, Inc. Insulated pipe anchor apparatus. 4,804,158, 2-14-89, Cl. 248-74.400.
Collins, Stephen M.: *See—*
Burger, Thomas F.; Collins, David M.; Collins, Stephen M.; and Burger, Manfred R., 4,846,856, Cl. 55-106.000.
Collins, Stuart M. Reel seat assembly. 4,845,882, 7-11-89, Cl. 43-22.000.
Collins, Thomas J.; and Nieves, Anthony L., to Keptel, Inc. Telephone network interface apparatus. 4,809,323, 2-28-89, Cl. 379-399.000.
Collins, Thomas J.; and Graham, Thomas G., to Keptel, Inc. Network interface enclosure. 4,827,504, 5-2-89, Cl. 379-399.000.
Collins, Thomas J., to Keptel, Inc. Combination apparatus for clamping ground conductor and for mounting lightning protector. 4,882,647, 11-21-89, Cl. 361-119.000.
Collins, Thomas J.: *See—*
Bevacqua, Joseph P.; Eastep, Robert E.; and Collins, Thomas J., 4,861,287, Cl. 439-718.000.
Collins, Truman D.: *See—*
Roberts, William F.; and Collins, Truman D., 4,854,549, Cl. 256-69.000.
Collins, Truman F. Golf putter head. 4,852,879, 8-1-89, Cl. 273-164.000.
Collins, Walter L., to Gerber Legendary Blades, Inc. Sheath for a retractable knife. 4,805,819, 2-21-89, Cl. 224-232.000.
Collins, Walter W., to Wenoka Seastyle. Knife and sheath. 4,854,044, 8-8-89, Cl. 30-151.000.
Collins, Walter W., to Wenoka Seastyle. Adapter for knife and sheath assembly. 4,856,192, 8-15-89, Cl. 30-151.000.
Collins, Wayne M., to Pillar Technologies, Inc. Ozone generator system. 4,869,881, 9-26-89, Cl. 422-186.180.
Collins, William G., Jr., to Westinghouse Electric Corp. Thermally turbulent combustion system. 4,817,565, 4-4-89, Cl. 122-197.000.
Collis, John S., Jr. Surgical instrument. 4,827,928, 5-9-89, Cl. 128-305.000.
Collison, Michael E.; and Meyerhoff, Mark E., to University of Michigan, The. Catheter-type electrochemical sensors. 4,834,101, 5-30-89, Cl. 128-635.000.
Collmer, Rosemarie: *See—*
Burger, Karl-Heinz; Collmer, Rosemarie; Fimpel, Walter; Gieseler, Klaus; Kochendorfer, Heinrich; and Steegmuller, Helmut, 4,815,584, Cl. 198-463.300.
Colloids, Inc.: *See—*
White, Beverly M., 4,865,691, Cl. 162-168.100.
Collomb, Jean: *See—*
Rhenter, Jean-Luc; and Collomb, Jean, 4,878,916, Cl. 623-18.000.
Collomby, Michel; Bec, Daniel; and Gerard, Jean-Louis, to Alcatel Thomson Gigadisc. Prewritten data storage medium and optical scanning device therefor. 4,809,251, 2-28-89, Cl. 369-32.000.
Collopy, Thomas K.; and Haire, Donald F., to International Business Machines Corporation. High resolution automatic focus correction electronic subsystem for E-beam lithography. 4,821,196, 4-11-89, Cl. 364-468.000.
Collot, Patrice; and Luciani, Bernard, to Cibie Projecteurs. Motor vehicle headlight, suitable for emitting a beam limited by a cut-off, and including a modified rear portion. 4,803,601, 2-7-89, Cl. 362-80.000.
Collot, Pierre; and Brun, Norbert, to Cibie Projecteurs. Dipped headlamp for motor vehicles. 4,797,797, 1-10-89, Cl. 362-348.000.

Colmac, Inc.: *See—*
Stevenson, Clarence L., 4,824,306, Cl. 414-788.400.
Stevenson, Clarence L., 4,844,686, Cl. 414-788.400.
Colman, Derek A.; and Thew, Martin T., to B.W.N. Vortoil Rights Co. Pty. Ltd. Cyclone separator. 4,810,382, 3-7-89, Cl. 210-512.100.
Colman, Derek A.: *See—*
Thew, Martin T.; and Colman, Derek A., 4,849,107, Cl. 210-512.100.
Colman, Richard H.: *See—*
Greenblatt, Stanley; Colman, Richard H.; and Spierer, Edward D., 4,843,318, Cl. 324-225.000.
Colman, Robert W.: *See—*
Scott, Cheryl F.; and Colman, Robert W., 4,882,272, Cl. 435-13.000.
Colo, Steven; Patel, Sanjivkumar K.; and Smith, Melanie J., to Westinghouse Electric Corp. Hydraulic jack seal assembly. 4,867,460, 9-19-89, Cl. 277-12.000.
Colodner, Jesse L.; and Clopper, Lawrence A., III, to Clopper, Lawrence A. Hexadecimal abacus. 4,812,124, 3-14-89, Cl. 434-203.000.
Cologna, Rudy L.; and Eng, Melvin D., to Boeing Company, The. Blind-side repair patch kit. 4,820,564, 4-11-89, Cl. 428-63.000.
Colombier, Gabriel: *See—*
Lefebvre, Jacques; Gimenez, Philippe; Colombier, Gabriel; Golay, Armand; and Safrany, Jean S., 4,808,276, Cl. 204-28.000.
Colombo, Alessandro, to SGS- Thomson Microelectronics s.r.l. Power supply gradually developing an output voltage when switched on. 4,878,164, 10-31-89, Cl. 363-49.000
Colombo, Guglielmo: *See—*
Farina, Daniele; Colombo, Guglielmo; and Bonfanti, Lorenzo, 4,854,375, Cl. 165-53.000.
Colombo, Maristella; Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, to Farmitalia Carlo Erba S.p.A. 4-substituted 6-alkylidenandrosteine-3,17-dione derivatives and process for their preparation. 4,822,528, 4-18-89, Cl. 260-397.300.
Colombo, Maristella: *See—*
Longo, Antonio; Orzi, Fabrizio; Lombardi, Paolo; and Colombo, Maristella, 4,865,766, Cl. 260-397.300.
Colombo, Ottavio. Equipment for ski movement simulation. 4,869,496, 9-26-89, Cl. 272-97.000.
Colombo, Paolo; La Manna, Aldo; and Conte, Ubaldo, to Jagotec AG. System for the controlled-rate release of active substances. 4,839,177, 6-13-89, Cl. 424-482.000.
Colombo, Paolo: *See—*
Conte, Ubaldo; La Manna, Aldo; and Colombo, Paolo, 4,865,849, Cl. 424-466.000.
Colomina, Theodore S., to EG&G, Inc. Retainer for holding a printed circuit card between spaced surfaces. 4,823,951, 4-25-89, Cl. 206-328.000.
Colon, Cesar: *See—*
Tann, Chou-Hong; Thiruvengadam, Tiruvettipuram K.; Chiu, John S.; and Colon, Cesar, 4,831,123, Cl. 536-13.900.
Colon, Ismael: *See—*
Gardner, Hugh C.; Colon, Ismael; and Robeson, Lloyd M., 4,837,256, Cl. 524-141.000.
Colone, William M., to Impra, Inc. Vascular access fistula. 4,822,341, 4-18-89, Cl. 604-175.000.
Colonel, Richard C.; and Lindh, Devere. Spring apparatus for shoe soles and the like. 4,798,009, 1-17-89, Cl. 36-28.000.
Colonel, Richard C.; and Lindh, De Vere V. Shock relieving horseshoe. 4,823,883, 4-25-89, Cl. 168-12.000.
Colonel, Richard C.; Lindh, Devere V.; and Sutton, Frederick A. Spring for floors and the like. 4,869,479, 9-26-89, Cl. 267-158.000.
Colonel, Richard C.: *See—*
Hsu, Grace F.; and Colonel, Richard C., 4,818,632, Cl. 428-613.000.
Colonial Tool Operations Division of Textron Canada Ltd.: *See—*
Briggs, Godfrey T., 4,867,619, Cl. 408-158.000.
Reid, Ian R. S., 4,850,253, Cl. 76-101.00R.
Colonias, Karen W., to Simpson Strong-Tie Company, Inc. Multiple wood truss connection. 4,817,359, 4-4-89, Cl. 52-643.000.
Colonno, Richard; Garsky, Victor M.; Hannah, John; Stein, Robert B.; and Tolman, Richard L., to Merck & Co., Inc. Inhibitor of ribonucleotide reductase. 4,845,195, 7-4-89, Cl. 530-330.000.
Coloplast A/S: *See—*
Johannesson, Niels O., 4,882,049, Cl. 156-289.000.
Kamstrup-Larsen, Jorgen, 4,840,692, Cl. 156-252.000.
Nielsen, Per, 4,828,553, Cl. 604-339.000.
Petersen, Morten L., 4,826,495, Cl. 604-333.000.
Samuelsen, Peter, 4,867,748, Cl. 604-336.000.
Color Quest Inc.: *See—*
Hughes, Cleveland L.; Williams, Timothy N.; and Mandel, Paul M., Jr., 4,840,669, Cl. 106-19.000.
Hughes, Cleveland L.; Williams, Timothy N.; and Mandel, Paul M., Jr., 4,840,670, Cl. 106-19.000.
Hughes, Cleveland L.; Williams, Timothy N.; and Mandel, Paul M., Jr., 4,859,242, Cl. 106-19.000.
Colorado Memory Systems, Inc.: *See—*
Cannon, Thomas G.; Roemmich, Bruce D.; and Precht, Terry A., 4,858,047, Cl. 360-106.000.
Richards, Alan J. 4,819,092, Cl. 360-27.000.
Colorado School of Mines: *See—*
Kowalski, Frank V., 4,827,480, Cl. 372-28.000.
Matlock, David K.; Riendeau, Michael P.; and Robinson, Mark L., 4,883,545, Cl. 148-12.00B.
Colorcon, Inc.: *See—*
Porter, Stuart C.; and Woznicki, Edward J., 4,828,841, Cl. 424-479.000.
Woznicki, Edward J.; and Grillo, Susan M., 4,802,924, Cl. 427-3.000.
Colores Hispania, S.A.: *See—*
Vallvey, Juan A.; and Sole, Carlos M., 4,832,749, Cl. 106-419.000.
Colorgen, Inc.: *See—*
O'Brien, John K., 4,881,811, Cl. 356-323.000.
Colorite Plastics Co.: *See—*
Seckel, Peter H., 4,867,485, Cl. 285-175.000.
Colorization Inc.: *See—*
Markle, Wilson; and Mitchell, Christopher, 4,862,256, Cl. 358-81.000.
Colorlux A/S: *See—*
Rasmussen, Poul, 4,864,756, Cl. 40-603.000.
Colorocs Corporation: *See—*
Barry, Michael W.; Tompkins, E. Neal; and Zuber, Peter, 4,839,722, Cl. 358-80.000.
Davis, David R.; and Slayton, Danny L., 4,866,483, Cl. 355-299.000.
Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., 4,806,097, Cl. 432-60.000.
Slayton, Danny L.; Tompkins, E. Neal; Lak, Khosrow; and Palm, Charles S., 4,848,267, Cl. 118-653.000.
Wheatley, Maurice S., Jr.; and Slayton, Danny L., 4,847,660, Cl. 355-244.000.
Colortech Inc.: *See—*
Walsh, Martin J.; and Maury, Eufredo G., 4,820,469, Cl. 264-506.000.
Colotti, James J.; and DeFilippis, Tullio N. G., to Eaton Corporation. Dual threshold amplitude detector. 4,796,030, 1-3-89, Cl. 342-40.000.
Colozzi, Italo E.; and Gilbert, Sandi, to Rawl Engineering & Mfg. Co., Inc. Cake cutter. 4,847,998, 7-18-89, Cl. 30-114.000.
Colquitt, Albert D. Airbrush holder. 4,830,198, 5-16-89, Cl. 211-706.000.
Colquitt, Michael L.; Gerke, Robert D.; Kwoka, Mark A.; and Foster, Dennis M., to Harris Corporation. Chip carrier soldering pallet. 4,801,065, 1-31-89, Cl. 228-19.000.
Colson, Charles A.; Lejeune, Philippe; Walon, Corinne; and Willemot, Karine, to CPC International Inc. Mutant microorganisms containing recombinant DNA and their use in the production of amylases. 4,806,426, 2-21-89, Cl. 435-252.310.
Colson, Wendell; and Swiszcz, Paul, to Hunter Douglas,Inc. Method and apparatus for manufacturing blind material. 4,849,039, 7-18-89, Cl. 156-197.000
Colson, Wendell, to Hunter Douglas Inc. Vertical shade assembly. 4,862,941, 9-5-89, Cl. 160-84.100.
Colt Industries, Inc.: *See—*
Alsobrooks, Daniel E.; Bart, Hansueli; Chauvin, Richard; Horn, Thomas A.; Merte, John H.; Mesenich, Gerhard; and Mitts, Donna M., 4,840,163, Cl. 123-533.000.
Bauerle, David D.; and Rabotnick, Barry I., 4,802,902, Cl. 55-484.000.
Codling, Daryl O., 4,873,954, Cl. 123-339.000.
Lemp, Mark D., 4,836,246, Cl. 137-561.00A.
McAuliffe, Lawrence, Jr., 4,873,955, Cl. 123-339.000.
McCabe, Ralph P., 4,861,068, Cl. 280-714.000.
Mesenich, Gerhard, 4,798,329, Cl. 239-5.000.
Mesenich, Gerhard, 4,810,985, Cl. 335-261.000.
Mesenich, Gerhard, 4,883,252, Cl. 251-129.180.
Nasvytis, Pius J., 4,804,313, Cl. 415-53.00T.
Woodcock, William F.; and Kline, Loren H., 4,796,593, Cl. 123-518.000.
Woodcock, William F.; and Ruhig, William E., Jr., 4,809,863, Cl. 220-85.00F.
Woodcock, William F.; Ruhig, William E., Jr.; and Kline, Loren H., 4,887,578, Cl. 123-519.000.
Colt Industries Operating Corporation: *See—*
Hlavaty, Robert J., 4,798,070, Cl. 72-88.000.
Colt 7 Inc.: *See—*
Ausilio, John S., 4,847,467, Cl. 219-121.630.
Colterjohn, Walter L., Jr. Radiation device. 4,868,450, 9-19-89, Cl 313-36.000.
Colterjohn, Walter L., Jr. Optical radiation source. 4,877,991, 10-31-89, Cl. 313-22.000.
Coltin, Janis L.: *See—*
Familetti, Harry G.; Lickel, Charles W.; Mauri, Ross A.; Swallow, Mark E.; and Coltin, Janis L., 4,833,594, Cl. 364-200.000.
Coltman, Judith N.: *See—*
Carcia, Peter P.; and Coltman, Judith N., 4,876,566, Cl. 354-436.000.
Colton, Douglas E., to Slautterback Corporation. Joining of dissimilar surfaces by quasi-random adhesive splatter pattern. 4,849,049, 7-18-89, Cl. 156-291.000.
Colton, Russell F., to Rockwell International Corporation. Method and apparatus for vapor stream discrimination. 4,800,840, 1-31-89, Cl. 118-721.000.
Colucci, Michael J.: *See—*
Fibiger, Richard F.; Colucci, Michael J.; Forgach, David J.; Wessling, Ritchie A.; and Schmidt, Donald L., 4,828,700, Cl. 210-500.320.
Colucci, Vincent A.: *See—*
Elgass, Manfred; and Colucci, Vincent A., 4,795,929, Cl. 310-36.000.
Columbia Chase Corporation: *See—*
Psaltopoulos, Emmanuel, 4,826,089, Cl. 241-45.000.

Columbia Energy Storage, Inc.: *See—*
  Longardner, Robert L., 4,849,648, Cl. 290-54.000.
Columbia Equipment, Inc.: *See—*
  Bryant, Harold C., 4,838,752. Cl. 414-421.000.
Columbia Gas System Service Corporation: *See—*
  Bennett, Richmond; Schettler, Paul D.; and Gustafson, Todd D., 4,805,450, Cl. 73-155.000.
  Hemsath, Klaus H., 4,830,610, Cl. 432-146.000.
Columbia Lighting, Inc.: *See—*
  Plewman, Dale, 4,866,584, Cl. 362-225.000.
Columbia Manufacturing Corporation: *See—*
  Riegelman, Harry, 4,873,741, Cl. 16-105.000.
Columbia University in the City of New York, The Trustees of: *See—*
  Anderson, Roger N., 4,832,121, Cl. 166-254.000.
  Bito, Laszlo Z., 4,883,819, Cl. 514-573.000.
  Canfield, Robert E.; Armstrong, Elmo G.; Ehrlich, Paul H.; and Birken, Steven, 4,851,356, Cl. 436-510.000.
  Cantor, Charles R.; Axel, Richard; and Argarana, Carlos, 4,839,293, Cl. 435-320.000.
  Cantor, Charles R.; and Schwartz, David C., 4,861,448, Cl. 204-182.800.
  Chasin, Lawrence A.; and Chasin, Gail U., 4,818,679, Cl. 435-6.000.
  Edelman, Isidore S.; Erlanger, Bernard F.; Tzilianos, Eftihia; and Cleveland, William L., 4,818,684, Cl. 435-7.000.
  Freudenstein, Ferdinand, 4,821,695, Cl. 123-197.0AC.
  Freudenstein, Ferdinand, 4,865,577, Cl. 474-141.000.
  Khanna, S. M.; Willemin, J. F.; and Dandliker, R., 4,834,111, Cl. 128-774.000.
  Prucnal, Paul R.; Elby, Stuart DS.; and Harstead, Edward E., 4,887,879, Cl. 350-96.150.
  Reemtsma, Keith; Hardy, Mark A.; and Lau, Henry T., 4,861,704, Cl. 435-1.000.
  Saffran, Wilma A.; Edelson, Richard L.; Gasparro, Francis P.; Welsh, John T.; and Cantor, Charles R., 4,868,311, Cl. 548-303.000.
  Schachter, David, Kowarski, Szloma; Cowen, Lisa A.; and Abbott, Richard E., 4,840,894, Cl. 435-7.000.
  Stolfo, Salvatore J., 4,843,540, Cl. 364-200.000.
  Stolfo, Salvatore J.; and Miranker, Daniel P., 4,860,201, Cl. 364-200.000.
  Suciu-Foca, Nicole; and King, Donald W., 4,816,404, Cl. 435-240.270.
  Suciu-Foca, Nicole; and King, Donald W., 4,818,689, Cl. 435-7.000.
  Torbey, Habib H., 4,858,017, Cl. 358-426.000.
Columbian Chemicals Company. *See—*
  Ayala, Jorge A.; Joyce, George A.; and Crabbe, David, 4,798,856, Cl. 524-386.000.
  McGuffin, James E., 4,859,387, Cl. 264-117.000.
Columbus, Eugene P., to United States of America, Agriculture. Differential ginning process and apparatus. 4,835,818, 6-6-89, Cl. 19-55.00R.
Columbus, Eugene P., to United States of America, Agriculture. Differential ginning process and apparatus. 4,856,148, 8-15-89, Cl. 19-55.00R.
Columbus McKinnon Corporation: *See—*
  Dicky, John, 4,854,508, Cl. 241-236.000.
Colver, Frank, to HC Power, Inc. Power factor corrector. 4,876,497, 10-24-89, Cl. 323-211.000.
Colvert, James H.; Lionetti, Thomas A.; and MacLean, John P., to Texaco Inc. Method of FCCU spent catalyst regeneration and extension tube means. 4,828,802, 5-9-89, Cl. 422-144.000.
Colvert, James H., to Texaco Inc. Bubble cap assembly in an ebullated bed reactor. 4,874,583, 10-17-89, Cl. 422-143.000.
Colvert, James H.: *See—*
  Chan, Ting Y.; and Colvert, James H., 4,886,644, Cl. 422-140.000.
Colvin, Alex D.: *See—*
  Butler, James W.; Maker, Paul D.; Korniski, Thomas J.; and Colvin, Alex D., 4,801,805, Cl. 250-343.000.
Colvin, Arthur E.; Hanley, Matthew W.; and Hetrick, Richard C., to Life Technologies, Inc. Liquid container delivery and storage system. 4,869,398, 9-26-89, Cl. 222-83.000.
Colvin, Arthur E.: *See—*
  Nelson, Edmund A.; Colvin, Arthur E.; Hanley, Matthew W.; and Scott, Stephen C., 4,816,269, Cl. 426-232.000.
Colvin, Arthur E., Jr.; and Scott, Stephen C., to Cerex Corporation. Reflectance gradient densitometer. 4,868,767, 9-19-89, Cl. 364-525.000.
Colvin, David P.; and Mulligan, James C., to Triangle Research and Development Corp. Thermal energy storage apparatus using encapsulated phase change material. 4,807,696, 2-28-89, Cl. 165-10.000.
Colvin, David P., to Triangle Research and Development Corporation. Infusion method and means. 4,850,971, 7-25-89, Cl. 604-134.000.
Colvin, Edward L.: *See—*
  Rioja, Roberto J.; Colvin, Edward L.; Vasudevan, Asuri K.; and Cheney, Brian A., 4,861,391, Cl. 148-12.70A.
Colvin, Gregory N.; and Veeck, Stewart J., to Howmet Corporation. Aluminum-lithium alloy and method of investment casting an aluminum-lithium alloy. 4,842,822, 6-27-89, Cl. 420-533.000.
Colvin, Howard A., to Goodyear Tire & Rubber Company, The. Ames-negative diamine curative for polyurethanes. 4,812,487, 3-14-89, Cl. 521-159.000.
Colvin, Howard A.; Cottman, Kirkwood S.; and Parker, Dane K., to Goodyear Tire & Rubber Company, The. Functionalized monomers from 1-(1-isocyanato-1-methlethyl)-3 or 4-(1-methylethenyl) benzene. 4,853,478, 8-1-89, Cl. 560-32.000.
Colvin, Howard A.: *See—*
  Muse, Joel, Jr.; and Colvin, Howard A., 4,855,362, Cl. 525-194.000.
Colvin, Jack A.: *See—*
  Parrott, Richard M.; Colvin, Jack A.; and Shuey, Lyle W., 4,860,794, Cl. 137-637.200.
Colvin, Michael S.: *See—*
  Chang, Manchium; and Colvin, Michael S., 4,873,102, Cl. 427-130.000.
Colvin, Richard. Archery sight. 4,813,150, 3-21-89, Cl. 33-265.000.
Colvin, Robert D.: *See—*
  Bottomley, Robin C.; Colvin, Robert D.; and Van Blanton, Madison, 4,888,184, Cl. 426-41.000.
Colwell, Robert A.; and Stone, Thomas W., to MagneTek Universal Electric. Electric motor and pump mounting bracket assembly and method of making. 4,877,984, 10-31-89, Cl. 310-66.000.
Colwell, Robert P.; O'Donnell, John; Papworth, David B.; and Rodman, Paul K., to Multiflow Computer, Inc. Hierarchical priority branch handling for parallel execution in a parallel processor. 4,833,599, 5-23-89, Cl. 364-200.000.
Colwell, William T.; and DeGraw, Joseph I., to SRI International. Synthesis and method of use for 2, 4 diaminoquinazoline. 4,818,773, 4-4-89, Cl. 514-155.000.
Colyer, Emerson K.: *See—*
  Liang, Rong-Chang; Colyer, Emerson K.; and Borello, Kelli J., 4,853,364, Cl. 503-216.000.
Colzani, James: *See—*
  Falk, Richard A.; and Colzani, James, 4,881,824, Cl. 374-140.000.
Com DEV Ltd.: *See—*
  Au-Yeung, Henry Y. M., 4,806,887, Cl. 333-106.000.
  Cameron, Richard J., 4,815,075, Cl. 370-123.000.
  Engel, Klaus G., 4,851,801, Cl. 335-230.000.
  Raab, Anthony R.; and Downs, Henry, 4,814,775, Cl. 342-373.000.
  Raab, Anthony R.; Thorpe, William; and Healy, Thomas P. G., 4,864,308, Cl. 342-351.000.
  Raab, Anthony R., 4,868,574, Cl. 342-81.000.
  Stajcer, Antun, 4,818,956, Cl. 331-96.000.
  Tang, Wai-Cheung; Cameron, Richard J.; and Bryant, David M T., 4,881,051, Cl. 333-208.000.
Com. Mer Italia S.p.A.: *See—*
  Righi, Nardino, 4,818,090, Cl. 350-634.000.
Comai, Luca: *See—*
  Fillatti, Joanne; and Comai, Luca, 4,795,855, Cl. 800-1.000.
Comalco Aluminum Limited: *See—*
  Andrews, William H., 4,810,682, Cl. 501-146.000.
  Chiron, Paul J.; Watson, Kevin D.; and Shaw, Raymond W., 4,880,541, Cl. 210-496.000.
  May, Robin F., 4,885,045, Cl. 148-440.000.
  Townsend, Douglas W., 4,795,540, Cl. 204-243.00R.
Comany Co., Ltd.: *See—*
  Araya, Kuniharu, 4,829,631, Cl. 16-95.00R.
Comark Merchandising, Inc.: *See—*
  Boggess, Charles H.; and Krautsack, Richard G., 4,805,371, Cl. 40-651.000.
  Krautsack, Richard G., 4,839,977, Cl. 40-658.000.
Comarme Marchetti FASpA: *See—*
  Tacchini, Franco, 4,857,038, Cl. 493-316.000.
Comarmond, Jacques; Purcell, Thomas; and Zard, Lydia, to Synthelabo. N-(imidazolylmethyl)diphenylazomethines and compositions containing them. 4,812,467, 3-14-89, Cl. 514-341.000.
Comarmond, Jean S., to Etablissements Montabert. Hydraulic percussion device and method of controlling same. 4,800,797, 1-31-89, Cl. 91-307.000.
Combastet, M. Michel. Mechanical system for the continuous and staged conversion of a torque. 4,800,778, 1-31-89, Cl. 74-682.000.
Combe Incorporated: *See—*
  Lapidus, Herbert, 4,844,712, Cl. 8-435.000.
Combe, Michel: *See—*
  Brugerolle, Jean-Renaud; Combe, Michel; and Paganessi, Joseph, 4,847,057, Cl. 423-234.000.
Comben, Richard H.; Gilman, Byron L.; and Shturman, Leonid, to Medilase, Inc. Control handle. 4,874,371, 10-17-89, Cl. 604-95.000.
Combes, Gilles; and Delage, Germain, to Alsthom. Automatic level-regulating sluice. 4,797,027, 1-10-89, Cl. 405-92.000.
Combi Co., Ltd.: *See—*
  Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,800,310, Cl. 310-105.000.
  Nakao, Shinroku; Suzuki, Yoshiyuki; and Kato, Hitoshi, 4,805,928, Cl. 280-642.000.
  Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,817,938, Cl. 272-73.000.
  Nakao, Shinroku; Suzuki, Yoshiyuki; and Kato, Hitoshi, 4,832,361, Cl. 280-642.000.
  Shinroku, Nakao; Ishikura, Takashi; and Arai, Yuuichi, 4,828,278, Cl. 280-644.000.
  Takahashi, Takehiko; Katou, Hitoshi; and Kaneko, Tomihiro, 4,846,521, Cl. 296-77.100.
  Takahashi, Takehiko; Saito, Hideo; Watanabe, Takashi; and Kaneko, Tomihiro, 4,880,277, Cl. 297-467.000.
Combier, Charles M., to J. B. Martin Company. Textile fabrics having a plurality of warp and filling layers and attendant method of making. 4,854,352, 8-8-89, Cl. 139-408.000.
Combined Information Technologies, Inc.: *See—*
  Rosen, Nathan C., 4,853,852, Cl. 364-401.000.
Combined Optical Industries Limited: *See—*
  Roote, Robert J.; Pasco, Ian K.; Smithers, Ian J.; and Fisher, Paul J., 4,836,659, Cl. 350-409.000.
Combined Power Systems Limited: *See—*
  Packer, Julian P.; and Almozaffar, Sam, 4,880,993, Cl. 290-2.000.

Combourieu, Michel; Simbille, Nadine; Landes, Marie-Paule; and Bernet, Yvon, to RIOM Laboratories C.E.R.M. 1,3-propanediamine derivatives and antiauhythnic pharmaceutical composition containing them. 4,803,219, 2-7-89, Cl. 514-469.000.
Combs, John W., to Automated Diagnostic Systems, Inc. Specimen processing system. 4,812,294, 3-14-89, Cl. 422-72.000.
Combs, Linsey L. Truck scaffolding. 4,828,074, 5-9-89, Cl. 182-152.000.
Combs, Linsey L. Pop-up stock guard. 4,844,423, 7-4-89, Cl. 256-17.000.
Combs, Linsey L. Well bottom release valve. 4,856,756, 8-15-89, Cl. 251-297.000.
Combs, Linsey L. Small animal trap. 4,858,373, 8-22-89, Cl. 43-61.000.
Combs, Robert F.: *See—*
  Hall, Arthur, III; and Combs, Robert F. 4,860,613, Cl. 74-687.000.
Combs-Rose, Kimberly; and Rose, Carl. Sun visor for infant car seats. 4,858,990, 8-22-89, Cl. 297-184.000.
Combs, Williams M. Remote controlled roller skating toy. 4,846,752, 7-11-89, Cl. 446-279.000.
Combustion Concepts, Inc.: *See—*
  Meyer, Robert W., 4,884,967, Cl. 432-127.000.
  Norton, John P.; Schneider, Steven; Wilder, William D.; and Hussell, Stephen J., 4,871,308, Cl. 432-29.000.
Combustion Developments Limited: *See—*
  Coe, Charles D., 4,883,972, Cl. 250-575.000.
Combustion Electromagnetics, Inc.: *See—*
  Ward, Michael A. V., 4,841,925, Cl. 123-143.00B.
  Ward, Michael A. V., 4,868,730, Cl. 363-21.000.
Combustion Engineering, Inc.: *See—*
  Barto, Ronald J.; Gabrielli, Frank; and Mohn, Nancy C., 4,833,622, Cl. 364-496.000.
  Bresowar, Gerald E., 4,812,295, Cl. 422-169.000.
  Bryan, William J.; and Lichtenberger, Harold V., 4,832,905, Cl. 376-352.000.
  Bryan, William J.; and Fuhrman, Nathan, 4,880,597, Cl. 376-419.000.
  Bryan, William J., 4,888,149, Cl. 376-287.000.
  Crick, David L.; and Hayes, James K., 4,874,041, Cl. 165-162.000.
  Daigle, Roland P.; Quevedo del Rio, Federico; and Lopez, Javier O., 4,834,935, Cl. 376-292.000.
  Fishburn, John D., 4,798,344, Cl. 241-79.100.
  Fuhrman, Nathan; and Bryan, William J., 4,824,634, Cl. 376-419.000.
  Garde, Anand M., 4,879,093, Cl. 420-422.000.
  Guerrero, Hector N., 4,826,217, Cl. 285-158.000.
  Hatfield, Stephen C., 4,844,860, Cl. 376-439.000.
  Hatfield, Stephen C., 4,863,681, Cl. 376-451.000.
  Hayes, James K., 4,856,461, Cl. 122-488.000.
  Ivester, Frank D.; Sransky, Kenneth P.; and Bonds, James C., 4,869,736, Cl. 55-156.000.
  Kiesche, Eric A.; and Crabtree, Samuel B., 4,873,753, Cl. 29-157.30R.
  Lassiter, Perry B.; and Rea, Larry B., 4,800,181, Cl. 501-89.000.
  Lewis, John T.; and Zumbrun, Harold K., 4,826,036, Cl. 220-232.000.
  McQuoid, Bryan K.; Charlson, Earl J.; and Graham, Huber, 4,878,226, Cl. 374-166.000.
  Overbay, Mark A., 4,800,637, Cl. 29-157.400.
  Overbay, Mark A., 4,804,817, Cl. 219-136.000.
  Overbay, Mark A., 4,841,118, Cl. 219-124.030.
  Overbay, Mark A., 4,856,354, Cl. 73-866.500.
  Palmer, David N.; Cartwright, John S.; and O'Neill, James K., 4,808,494, Cl. 429-101.000.
  Palmer, David N.; Cartwright, John S.; and O'Neill, James K., 4,847,174, Cl. 429-112.000.
  Perrotti, Patrick A.; Joffre, Paul F.; Karoutas, Zeses E.; Corsetti, Lawrence V.; Bryan, William J.; and Hatfield, Stephen C., 4,879,090, Cl. 376-462.000.
  Presbie, Edward W., 4,845,991, Cl. 73-37.500.
  Riley, Brian, 4,799,936, Cl. 29-623.100.
  Smith, William R., 4,833,688, Cl. 374-42.000.
  Southerland, Tommy J.; Hinds, Eugene L.; Brown, Timothy L.; and Kiesche, Eric A., 4,804,814, Cl. 219-69.00V.
  Sublette, Kerry L., 4,859,588, Cl. 435-68.000.
  Sublette, Kerry L.; Woolsey, Maron E.; Manning, Francis S.; Montgomery, Anne D.; and McInerney, Michael J., 4,879,240, Cl. 435-252.100.
  Sublette, Kerry L., 4,880,542, Cl. 210-611.000.
  Warren, Douglas H.; Matthews, John C.; Baldwin, Jay M.; Ashman, Charles M.; and Finlayson, James W., 4,801,423, Cl. 376-287.000.
  Weisel, Eric M.; and Schukei, Glen F., 4,860,919, Cl. 220-240.000.
  Wentzell, Timothy H., 4,797,613, Cl. 324-220.000.
Combustion Power Company: *See—*
  Goldbach, Gary O.; Cooper, Jerry L.; and Guillory, John L., 4,843,981, Cl. 110-347.000.
Combustion Research & Technology, Inc.: *See—*
  Albert, Albert F., 4,864,814, Cl. 60-39.630.
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  Hanson, Merle E.; and Titchener, Paul F., 4,821,035, Cl. 340-856.000.
  Hanson, Merle E.; and Titchener, Paul F., 4,845,494, Cl. 340-857.000.
  Hanson, Merle E.; and Thorson, Lewis D., 4,889,186, Cl. 166-252.000.
  Titchener, Paul F.; and Walsh, Michael J. M., 4,828,051, Cl. 175-50.000.
  Titchener, Paul F.; Walsh, Michael J. M.; and Hanson, Merle E., 4,848,480, Cl. 166-385.000.
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  Kajrup, Goran; and Bjerke, Goran, 4,862,719, Cl. 72-105.000.
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  Kearns, Michael J.; and Comer, Michael J., 4,840,905, Cl. 435-240.250.
Comera, Jean; Contamin, Pierre; Favier, Jean-Jacques; and Marquet, Guy, to Commissariat a l'Energie Atomique. Process and apparatus for the continuous checking of the supermelting of the solidification front of a monocrystal during formation and application to the checking of the growth of a crystal. 4,797,174, 1-10-89, Cl. 156-616.100.
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  Coelho, Philip H.; and Comerchero, Victor, 4,803,842, Cl. 62-64.000.
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  Chandra, Ashileshwari N.; Comerford, Liam D.; and White, Steve R., 4,817,140, Cl. 380-4.000.
Comert, Ahmet; and Petit, Dominique, to Norton Company. Container sealing means for air and moisture sensitive materials. 4,867,312, 9-19-89, Cl. 206-447.000.
Comet Trailer Corp.: *See—*
  Wiley, James G., Jr., 4,811,972, Cl. 280-683.000.
Cometa, Thomas D.: *See—*
  Gruber, Robert J.; Bov, Raphael F.; Cometa, Thomas D.; Eakin, Paul W.; Berkes, John S.; and Grushkin, Bernard, 4,859,550, Cl. 430-39.000.
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  Santi, Roberto; Cometti, Giuseppe; and Pagani, Anselmo, 4,812,592, Cl. 560-180.000.
Comey, David M., to Honeywell Inc. Sharp edge for thick coatings. 4,812,653, 3-14-89, Cl. 250-338.100.
Comey, David M.; Denley, Brian W.; and White, William J., to Honeywell Inc. Tilted array with parallel cold shield. 4,814,620, 3-21-89, Cl. 250-352.000.
Comez S.p.A.: *See—*
  Zorini, Luigi O., 4,835,990, Cl. 66-209.000.
  Zorini, Luigi O., 4,841,750, Cl. 66-204.000.
  Zorini, Luigi O., 4,845,962, Cl. 66-147.000.
  Zorini, Luigi O., 4,876,862, Cl. 66-207.000.
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  Atkins, Judy M.; Comfort, Benjamin J.; and Liebelt, Ralph A., 4,877,034, Cl. 128-664.000.
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Comfort, John J.; Hayter, Paul A.; Kargathra, Dinesh; Mason, Brian R.; Turner, Graham N.; Fisher, Ian R.; and Bailey, John W., to Mars Incorporated. Automatic test equipment. 4,807,161, 2-21-89, Cl. 364-550.000.
Comfortex Corporation: *See—*
  Schnebly, John; and Marusak, Thomas J., 4,807,686, Cl. 160-84.100.
  Schnebly, John; and Marusak, Thomas J., 4,884,612, Cl. 160-84.100.
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  Bollong, Alan B. I.; Bult, Roelof P.; and Proux, Gary T., 4,888,051, Cl. 75-10.110.
  Dunlop, John A.; and Rensing, Hans, 4,838,935, Cl. 75-230.000.
  Trevison, Robert L.; McKee, William E.; and Hunnel, Larry B., 4,837,928, Cl. 29-840.000.
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  Richards, Gregory G.; Cockcroft, Steven L.; Brimacombe, James K.; and Toop, Gerald W., 4,820,340, Cl. 75-24.000.
Cominetti, Mario; and Morello, Alberto, to RAI Radiotelevisione Italiana. Apparatus for the reception of radio broadcasted digital signals. 4,887,269, 12-12-89, Cl. 371-47.000.
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  Baum, Thomas H.; Comita, Paul B.; and Jackson, Robert L., 4,880,959, Cl. 219-121.850.
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  Sestero, Arrigo, 4,827,236, Cl. 335-299.000.
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  Jensen, Pamela S.; and Comite, Florence, 4,820,736, Cl. 514-651.000.
Comito, Charles. Window frame light hanger. 4,795,121, 1-3-89, Cl. 248-314.000.
Comley, Peter N., to Murdock, Inc. Heater for superplastic forming of metals. 4,888,973, 12-26-89, Cl. 72-342.000.
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  Willer, Allan, 4,869,563, Cl. 312-184.000.
Commander Electrical Materials, Inc.: *See—*
  Nattel, William, 4,842,156, Cl. 220-3.900.
Commarmot, Roger, to Rhone-Poulenc Recherches. Apparatus for automatically taking and analyzing samples of substances which are made available in random manner. 4,805,469, 2-21-89, Cl. 73-864.810.

- Comment, Alain; James, Yannick C.; Etienne, Jeanine; and Crisafulli, Emilio, to Sanofi. Skin reflectance measuring apparatus. 4,846,184, 7-11-89, Cl. 128-633.000.
- Commercial Decal, Inc.: *See—*
  - Schneider, Marvin; Blanco, Louis A.; and Milo, Salvatore A., 4,800,247, Cl. 219-10.55E.
- Commercial Knife, Inc.: *See—*
  - Carpenter, Charles T.; and Bayly, Robert M., 4,850,408, Cl. 144-241.000.
- Commercial Shearing, Inc.: *See—*
  - Birch, Robert M.; and Brown, Warren E., 4,830,536, Cl. 405-153.000.
  - Calcagni, Robert A.; and Sheppa, Alexander, 4,839,935, Cl. 14-24.000.
  - Haner, Lambert, 4,879,501, Cl. 318-645.000.
  - Kiffmeyer, Vernon A., 4,825,752, Cl. 91-422.000.
  - Sciortino, John L., 4,835,359, Cl. 219-121.590.
  - Sepesy, Paul A., 4,803,415, Cl. 318-696.000.
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  - Chauvin, Yves; Commereuc, Dominique; Hugues, Francois; and Saussine Lucien, 4,795,734, Cl. 502-355.000.
  - Chauvin, Yves; Commereuc, Dominique; Hugues, Francois; Olivier, Helene; and Saussine, Lucien, 4,845,201, Cl. 534-15.000.
- Commeyras, Auguste: *See—*
  - Benefice-Malouet, Sylvie; Blancou, Hubert; Calas, Patrick; and Commeyras, Auguste, 4,830,715, Cl. 204-59.00R.
- Commeyras, Auguste A.; Taillades, Jacques R.; Brugidou, Jean; Sola, Regine; Previero, Aldo; Mion, Louis; Pascal, Robert J.; Lasperas, Monique; and Rousset, Alain, to Centre National de la Recherche Scientifique. Process for catalytic hydrolysis of an α-amino- nitrile in heterogeneous phase, and polymeric resins having catalytic activity for affecting the process. 4,851,576, 7-25-89, Cl. 564-126.000.
- Commins, Alfred D., to Simpson Strong-Tie Company, Inc. Impact nailed connector. 4,841,690, 6-27-89, Cl. 52-105.000.
- Commissariat a l'Energie Atomique: *See—*
  - Balanzat, Emmanuel; and Bieth, Claude, 4,832,997, Cl. 428-131.000.
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  - Bardy, Andre; Conti, Maria-Louisa; Courtieu, Jacques; Mathieu, Evelyne; and Grzyb, Joelle, 4,804,529, Cl. 424-9.000.
  - Barraud, Andre; Ruaudel, Annie; and Vandevyver, Michel, 4,803,011, Cl. 252-500.000.
  - Barraud, Andre ; Derost, Gisele; Henrion, Laurence; and Ruaudel-Teixier, Annie, 4,871,680, Cl. 436-103.000.
  - Bellanger, Gilbert, 4,836,900, Cl. 204-140.000.
  - Berardo, Michel; Darnez, Charles; Martinet, Jean-Marie; and Roche, Gilbert, 4,861,480, Cl. 210-490.000.
  - Bernard, Patrice; Sauvage, Laurent; Girard, Henri; and Ferrero, Jean-Pierre, 4,876,057, Cl. 376-216.000.
  - Berson, Xavier; Bouyssou, Michel; Castel, Yves; Chaumont, Daniel; and Gudin, Claude, 4,868,123, Cl. 435-290.000.
  - Bethuel, Louis; Carles, Maurice; and Neige, Roger, 4,824,570, Cl. 210-511.000.
  - Blanc, Floreal; and Bonnejean, Claude, 4,797,547, Cl. 250-221.000.
  - Blanpain, Roland; Le Masson, Patrick; and Vidal, Jean-Charles, 4,885,536, Cl. 324-207.000.
  - Boen, Roger, 4,873,698, Cl. 373-156.000
  - Bois, Emmanuel; Huard, Serge; and Boisde, Gilbert, 4,861,131, Cl. 350-96.180.
  - Boisde, Gilbert; and Quanquin, Michel, 4,820,045, Cl. 356-319.000.
  - Boivineau, Michel; Jouvet, Christophe; and Piuzzi, Francois, 4,849,983, Cl. 372-57.000.
  - Bonnefoy-Claudet, Jean-Paul; and Mestais, Corinne, 4,882,680, Cl. 364-413.240.
  - Bonnefoy, Jean-Louis; and Prulhiere, Jean-Paul, 4,822,170, Cl. 356-375.000.
  - Borel, Michel; Boronat, Jean-Francois; Meyer, Robert; and Rambaud, Philippe, 4,857,161, Cl. 204-192.260.
  - Boullet, Joseph, 4,830,126, Cl. 177-207.000.
  - Bouyssi, Jean-Francois; Massard, Thierry; and Vienney, Jean, 4,809,690, Cl. 128-157.000.
  - Bridenne Alaux, Martine; Marquet-Ellis, Hubert; Keller, Nelly; and Folcher, Gerard, deceased, 4.857,294, Cl. 423-489.000.
  - Briguet, Andre; Chaillout, Jean-Jacques; and Jeandey, Christian, 4,833,410, Cl. 324-318.000.
  - Brissier, Raphael; and Gaillard, Christian, 4,815,605, Cl. 206-523.000.
  - Calvat, Claude; Colle, Laurent; Couchaud, Maurice; LeJus, Anne-Marie; Moncorge, Richard; Vivien, Daniel; and Wyon, Christophe, 4,853,354, Cl. 501-119.000.
  - Charpin, Jean; Grangeon, Andre; Pejot, Francis; Plurien, Pierre; Rasneur, Bernard; Richard, Serge; and Veyre, Rene, 4,888,033, Cl. 55-158.000.
  - Chaudon, Luc; Dobremelle, Michel; Fabre, Jean-Claude; and Geffroy, Jean, 4,834,916, Cl. 252-633.000.
  - Claudet, Gerard; Dewanckel, Bernard; Ravex, Alain; and Reale, Serge, 4,840,032, Cl. 62-6.000.
  - Clerc, Jean-Frederic; Deutsch, Jean-Claude; and Perrin, Aime, 4,813,770, Cl. 350-347.00E.
  - Clerc, Jean-Frederic, 4,841,294, Cl. 340-793.000.
  - Clerc, Jean-Frederic; Deutsch, Jean-Claude; Vaudaine, Pierre; and Vey, Sylvie, 4,889,412, Cl. 350-347.00E.
  - Climent, Jean-Pierre; Petelet, Georges; and Tronel, Jean-Claude, 4,876,551, Cl. 342-460.000.
  - Climent, Jean-Pierre; and Tronel, Jean-Claude, 4,887,180, Cl. 361-91.000.
  - Comera, Jean; Contamin, Pierre; Favier, Jean-Jacques; and Marquet, Guy, 4,797,174, Cl. 156-616.100.
  - Demay, Yves; Gailliard, Jean-Pierre; Million, Alain; and Piaguet, Jean, 4,813,373, Cl. 118-726.000.
  - Deroux-Dauphin, Patrice, 4,829,659, Cl. 29-603.000.
  - Deutsch, Jean-Claude, 4,870,263, Cl. 250-201.000.
  - Devillard, Jacques, 4,846,393, Cl. 228-178.000.
  - Dijon, Jean; and LeRoux, Thierry, 4,825,202, Cl. 340-752.000.
  - Dupoy, Marc; Dumesnil, Patrice; Mongault, Jacques; and Carisey, Camille, 4,818,871, Cl. 250-308.000.
  - Durr, Rene C.; and Rozain, Jean-Pierre, 4,844,612, Cl. 356-316.000.
  - Fedeli, Jean-Marc; and Magnin, Joel, 4,881,198, Cl. 365-12.000.
  - Genies, Eugene, 4,889,659, Cl. 252-500.000.
  - Gidon, Pierre; Lizet, Jacques; and Valette, Serge, 4,865,453, Cl. 356-358.000.
  - Girardeau-Montaut, Jean-Pierre; Girardeau-Montaut, Claire; and Erbeia, Angelo, 4,845,365, Cl. 250-423.00P.
  - Giroux, Pierre; Ochem, Dominique; and Durand, Jean-Claude, 4,882,093, Cl. 252-632.000.
  - Glaize, Christian; and Lemarquand, Guy, 4,870,358, Cl. 324-208.000.
  - Grenier, Gerard, 4,882,121, Cl. 376-159.000.
  - Gualandris, Rene; Ludwig, Paul; Rocco, Jean-Claude; and Zadworny, Francois, 4,859,909, Cl. 315-111.810.
  - Henri, Antoine; Lefevre, Daniel; and Massicot, Patrick, 4,803,098, Cl. 427-309.000.
  - Jeuch, Pierre; and Heitzmann, Michel, 4,849,369, Cl. 437-43.000.
  - Jeuch, Pierre, 4,851,365, Cl. 437-43.000.
  - Jeuch, Pierre, 4,882,291, Cl. 437-34.000.
  - Jeuch, Pierre, 4,889,828, Cl. 437-34.000.
  - Juvin, Didier; and Tan, Shenbiao, 4,845,765, Cl. 382-21.000.
  - Kajzar, Francois; and Messier, Jean, 4,795,255, Cl. 356-318.000.
  - Kertesz, Claude; Koehly, Gerard; Josso, Frank; and Bernard, Andre , 4,839,102, Cl. 252-628.000.
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  - Klein, Siegfried, 4,862,430, Cl. 367-168.000.
  - Koehly, Gerad; Madic, Charles; and Saulze, Jean-Louis, 4,869,794, Cl. 204-130.000.
  - Lambard, Jacques, 4,859,441, Cl. 423-259.000.
  - Lannes, Andre, 4,797,701, Cl. 354-288.000.
  - Lauro, Fernand; Marvillet, Christophe; Mayoussier, Patrick; Amandjules, Michel; and Porcher, Jean-Michel, 4,850,427, Cl. 165-134.100.
  - Lazzari, Jean-Pierre, 4,809,103, Cl. 360-103.000.
  - Lazzari, Jean-Pierre, 4,837,924, Cl. 29-603.000.
  - Lazzari, Jean-Pierre; and Cortial, Henri, 4,851,018, Cl. 55-356.000.
  - Lerat, Bernard, 4,840,445, Cl. 350-6.800.
  - Lerat, Bernard, 4,879,913, Cl. 73-862.040.
  - LeRoux, Thierry; and Truche, Robert, 4,846,557, Cl. 350-333.000.
  - Levillain, Claude, 4,860,832, Cl. 169-49.000.
  - Locatelli, Marcel, 4,887,433, Cl. 62-50.700.
  - Madic, Charles; and de Sanoit, Jacques, 4,839,149, Cl. 423-251.000.
  - Martin, Andre; Martin, Andre ; Murat, Jean; and Prulhiere, Jean-Pierre, 4,823,804, Cl. 128-733.000.
  - Milly, Gerard; and Le, Claude D., 4,845,801, Cl. 15-321.000.
  - Mulcey, Philippe; Pourprix, Michel; Pybot, Patrick; and Vendel, Jacques, 4,868,398, Cl. 250-458.100.
  - Musseau, Olivier; and Deschazeaux, Gerard, 4,839,586, Cl. 324-158.00F.
  - Nakach, Alain; Sole, Jean; and Starzynski, Pierre, 4,847,515, Cl. 307-255.000.
  - Rambaut, Michel, 4,837,720, Cl. 364-574.000.
  - Razafindrazaka, Lioka, 4,888,152, Cl. 376-462.000.
  - Roche, Michel; and Raboisson, Gerard, 4,849,649, Cl. 307-108.000.
  - Tanguy, Jean-Claude; Chambellan, Domonique; and Pommet, Raymond, 4,856,044, Cl. 378-198.000.
  - Toulemonde, Marcel; and Balanzat, Emmanuel, 4,855,049, Cl. 210-500.400.
  - Trambouze, Pierre; Euzen, Jean Paul; Bergez, Pierre; and Claveau, Michel, 4,816,140, Cl. 208-309.000.
  - Valette, Serge, 4,796,226, Cl. 365-122.000.
  - Vauchier, Claude; and Vinet, Francoise, 4,795,579, Cl. 252-299.620.
  - Voituriez, Bernard, 4,836,028, Cl. 73-726.000.
- Commisso, Louis: *See—*
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- Commodore-Amiga, Inc.: *See—*
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  - Miner, Jay G.; Dean, Dave; Decuir, Joseph C.; Nicholson, Ronald H.; and Tanaka, Akio, 4,874,164, Cl. 273-1.00E.
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  - Davis, Hedley; and Raible, Robert, 4,886,941, Cl. 178-18.000.
  - Davis, Hedley C., 4,851,826, Cl. 340-731.000.
- Commons, Thomas J.; Mewshaw, Richard E.; and Strike, Donald P., to American Home Products Corporation. Substituted acyloxyalkyl-phenylethylene inhibitors of 3-hydroxy-3-methylglutaryl-coa reductase. 4,812,583, 3-14-89, Cl. 549-292.000.
- Commonwealth of Australia, The: *See—*
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  - Jackett, Stephen G.; Kastel, Stephen N.; and Jandera, Zdenek, 4,862,428, Cl. 367-155.000.
  - Marwood, Warren, 4,799,182, Cl. 364-748.000.
- Commonwealth of Puerto Rico: *See—*
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- Commonwealth Scientific and Industrial Research Organisation: *See—*
  - Harrison, Alexander, 4,864,233, Cl. 324-227.000.
  - Sowerby, Brian D.; and Cutmore, Nicholas G., 4,817,021, Cl. 364-558.000.
  - Wingate-Hill, Robin; and Hadaway, Bernard M., 4,875,511, Cl. 144-208.00R.
- Commonwealth Scientific and Industrial Research Organization: *See—*
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  - Booth, Rodney I.; Edwards, David W.; Wrigley, Colin W.; and Orth, Robert A., 4,879,897, Cl. 73-59.000.
  - de Yong, John L., 4,872,340, Cl. 73-338.000.
  - Dixon, David R.; and Anderson, Nevil J., 4,882,064, Cl. 210-667.000.
  - Hughan, Robert R.; Hannink, Richard H. J.; Swain, Michael V.; Stringer, Robert K.; Murray, Michael J.; and Garvie, Ronald C., 4,885,266, Cl. 501-104.000.
  - Jellinek, Thomas; and Bain, Gregory C., 4,810,751, Cl. 524-811.000.
  - Sowerby, Brian D., 4,884,288, Cl. 378-51.000.
  - Watson, Dennis L., 4,840,794, Cl. 424-92.000.
- Commonwealth Serum Laboratories Commission: *See—*
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- Commonwealth Technology, Inc.: *See—*
  - Bowles, Romald E., 4,832,485, Cl. 356-71.000.
- Communication Manufacturing Co.: *See—*
  - Butler, Myron C.; and Madore, Christopher, 4,837,811, Cl. 379-96.000.
- Communication Satellite Corporation: *See—*
  - Assal, Francois T.; and Zaghloul, Amir I., 4,868,886, Cl. 455-12.000.
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- Communications Research Laboratory: *See—*
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- Communications Satellite Corporation: *See—*
  - Becker, Neal D.; Shenoy, Ajit; and Lee, Lin-Nan, 4,829,377, Cl. 358-147.000.
  - Bhaskar, Udaya, 4,809,334, Cl. 381-49.000.
  - Chen, Chun-Hong H., 4,866,451, Cl. 343-700.0MS.
  - Lee, Lin-Nan; and Becker, Neal D., 4,797,918, Cl. 380-20.000.
  - Lee, Lin-Nan; and Becker, Neal D., 4,815,130, Cl. 380-50.000.
  - Lee, Lin-Nan; and Hemmati, Farhad, 4,852,023, Cl. 364-717.000.
  - Poklemba, John J., 4,849,998, Cl. 375-121.000.
  - Ragavan, Vivek; and Wolfe, William H., 4,811,394, Cl. 380-21.000.
- Communications Systems, Inc.: *See—*
  - Gillis, Michael H.; and Field, Michael D., 4,850,014, Cl. 379-399.000.
- Comninellis, Christos; Osterwalder, Robert U.; Plattner, Eric; and Seifert, Gottfried, to Ciba-Geigy Corporation. Process for the preparation of 5-nitro-1,4-naphthoquinone. 4,880,571, 11-14-89, Cl. 552-297.000.
- Comolli, Alfred G.; and McLean, Joseph B., to HRI, Inc. Coal liquefaction process utilizing coal/CO_2 slurry feedstream. 4,839,030, 6-13-89, Cl. 208-403.000.
- Comolli, Alfred G.: *See—*
  - Hippo, Edwin J.; Comolli, Alfred G.; and O'Brien, Robert, 4,879,021, Cl. 208-413.000.
  - MacArthur, James B.; McLean, Joseph B.; and Comolli, Alfred G., 4,842,719, Cl. 208-421.000.
  - MacArthur, James B.; McLean, Joseph B.; and Comolli, Alfred G., 4,853,111, Cl. 208-421.000.
  - MacArthur, James B.; Comolli, Alfred G.; and McLean, Joseph B., 4,874,506, Cl. 208-413.000.
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- Comotto, Michael: *See—*
  - Willrett, Douglas L.; and Comotto, Michael, 4,851,347, Cl. 435-252.100.
- Compadre, Cesar M.: *See—*
  - Kinghorn, Alan D.; Compadre, Cesar M.; and Pezzuto, John M., 4,808,409, Cl. 424-439.000.
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  - Debroche, Claude; and Laurent, Daniel, 4,804,436, Cl. 156-441.000.
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  - Fensch, Thierry; and Compagne, Eric, 4,805,214, Cl. 379-399.000.
- Compagnie de Raffinage et de Distribution Total France: *See—*
  - Chombart, Didier; Cormerais, Francois X.; and Laborde, Michel, 4,810,367, Cl. 208-309.000.
  - Freychet, David; and Loutaty, Roben, 4,848,446, Cl. 165-94.000.
  - Lemoine, Guy; Lucas, Robert; and Soria, Meyer, 4,808,643, Cl. 524-87.000.
  - Loutaty, Roben; Maroy, Pierre; and Trinquet, Gilles, 4,882,035, Cl. 208-45.000.
  - Mauleon, Jean-Louis; Ville, Francois; and Sigaud, Jean-Bernard, 4,818,372, Cl. 208-113.000.
  - Mauleon, Jean-Louis; Demar, Michel; and Jean-Bernard, Sigaud, 4,832,825, Cl. 208-157.000.
  - Mauleon, Jean-Louis; Ville, Francois; and Mengus, Charles, 4,854,180, Cl. 73-863.860.
  - Mauleon, Jean-Louis; Sigaud, Jean-Bernard; Chapotel, Bernard; and Seglin, Leonard, 4,875,993, Cl. 208-113.000.
  - Mauleon, Jean-Louis; and Sigaud, Jean-Bernard, 4,883,583, Cl. 208-113.000.
  - Saumade, Frank; and Fontaine, Guy, 4,806,850, Cl. 324-71.100.
  - Szabo, Georges; and Cormerais, Francois-Xavier, 4,830,998, Cl. 502-66.000.
- Compagnie d'Electronique et de Piezo-Electricite C.E.P.E.: *See—*
  - Aubry, Jean-Pierre; Fragneau, Marc; Craveur, Jean-Charles; Janiaud, Denis; and Muller, Serge, 4,859,898, Cl. 310-353.000.
  - Marotel, Garard, 4,851,791, Cl. 331-158.000.
  - Robichon, Gilles; and Parly, Didier, 4,833,426, Cl. 331-158.000.
  - Thorax, Didier; and Marotel Gerard, 4,888,471, Cl. 219-501.000.
- Compagnie d'Enterprises CFE: *See—*
  - Duvieusart, Jean-Claude, 4,832,534, Cl. 405-261.000.
  - Duvieusart, Jean-Claude; and Le Begge, Maximilien, 4,869,033, Cl. 52-169.600.
- Compagnie des Transmissions Mecaniques Sedis: *See—*
  - Sosson, Pierre, 4,850,941, Cl. 474-110.000.
- Compagnie d'Informatique Militaire Spatiale et Aeronautique: *See—*
  - Chambre, Jacques, 4,830,608, Cl. 432-11.000.
- Compagnie Europeene pour l'Equipement Manager/CEPEM: *See—*
  - Gelineau, Jean M., 4,831,237, Cl. 219-398.000.
- Compagnie Europeenne de Compasants Electroniques LCC: *See—*
  - Delalande, Francois; and Bon, Serge, 4,811,914, Cl. 242-56.100.
- Compagnie Europeenne de Composants Electroniques LCC: *See—*
  - Poupard, Dominique; and Bureau, Jean-Marc, 4,855,022, Cl. 204-130.000.
  - Rolland, Jean-Luc; Meunier, Paul L.; and Mage, Jean-Claude, 4,821,403, Cl. 29-603.000.
- Compagnie Europeenne du Zirconium Cezus: *See—*
  - Alheritiere, Edouard; and Prandi, Bernard, 4,854,977, Cl. 148-12.70B.
  - Alheritiere, Edouard; and Prandi, Bernard, 4,878,966, Cl. 148-421.000.
  - Bunel, Gerard; Charquet, Daniel; and Dombre, Max, 4,881,992, Cl. 148-421.000.
  - Dubertret, Alain; and Prandi, Bernard, 4,878,954, Cl. 148-11.50F.
  - Paillere, Patrick; Alheritiere, Edouard; Garnier, Marcel; Driole, Jean; and Gagnoud, Annie, 4,838,933, Cl. 75-10.140.
- Compagnie Europenne du Zirconium Cezus: *See—*
  - Brun, Pierre, 4,874,559, Cl. 261-67.000.
- Compagnie Financiere Saint Nicolas: *See—*
  - Buffet, Jacques, 4,846,180, Cl. 128-419.00P.
  - Mourot, Franck; and Dana, Jean-Dominique, 4,818,029, Cl. 301-5.0VH.
- Compagnie Francaise de Produits Industriels: *See—*
  - Schapira, Joseph; Pecheur, Jacques; Vincent, Jacques; Droniou, Patrick; and Fournials, Jean-Paul, 4,813,999, Cl. 71-105.000.
  - Schapira, Joseph; Louis-Gavet, Paul; and Maillard, Pierre, 4,843,119, Cl. 524-730.000.
- Compagnie Francaise des Petroles: *See—*
  - Despax, Damien M.; Martin, Jean-Pierre A.; and Gueuret, Francois C., 4,800,753, Cl. 73-151.000.
- Compagnie Francaise d'Etudes et de Construction "Technip" : *See—*
  - Delbourgo, Patricia; Coupard, Michel; and Delorme, Jean-Jacques, 4,830,711, Cl. 202-173.000.
- Compagnie Generale d'Automatisme CGA-HBS: *See—*
  - Allio, Roland; Chifflet, Raymond; and Jeantin, Phillipe, 4,802,665, Cl. 271-225.000.
  - Feron, Jean-Marc; and Prasloix, Michel, 4,844,631, Cl. 400-120.000.
  - Guebey, Patrick, 4,805,226, Cl. 382-27.000.
  - Hertz, Dominique; and Couturier, Jean-Michel, 4,873,117, Cl. 427-37.000.
  - Smeets, Jacques; Dupuy, Marcel; and Rossi, Paul, 4,836,825, Cl. 453-49.000.
- Compagnie Generale de Geophysique: *See—*
  - Gildas, Omnes, 4,817,755, Cl. 181-106.000.
  - Guerendel, Philippe; Naville, Charles; Laurent, Jean; and Dedole, Pascal, 4,874,060, Cl. 181-102.000.
  - Laurent, Jean; Naville, Charles; and Paterna, Rene, 4,796,723, Cl. 181-102.000.
  - Manin, Michel, 4,852,004, Cl. 364-421.000.
  - Naville, Charles; Spitz, Simon; and Rocroi, Jean-Pierre, 4,884,030, Cl. 324-344.000
  - Regnaudin, Jacques; and Boucquaert, Francois, 4,855,962, Cl. 367-19.000.
- Compagnie Generale d'Electricite: *See—*
  - Brunet, Henri; Mabru, Michel; and Chauvet, Philippe, 4,873,695, Cl. 372-58.000.
  - Deslandes, Francis; Michel, Claude; Provost, Jackie; Raveau, Bernard; Sulpice, Andre; Tholence, Jean-Louis; and Chevalier, Bernard, 4,843,059, Cl. 505-1.000.
  - Lavarini, Bernard; Crancon, Jean-Pierre; and Thomas, Jean-Yves, 4,862,100, Cl. 330-4.300.
  - Mouchart, Jacques; Villela, Gerard; Dutois, Franck; and Pointu, Bernard, 4,840,442, Cl. 350-1.600.
  - Petitbon, Alain, 4,814,575, Cl. 219-121.640.
- Compagnie Generale des Etablissements Michelin-Michelin & Cie: *See—*
  - Bocquet, Jean-Louis; Gouttebessis, Jacques; and Rey, Maurice, 4,857,128, Cl. 156-244.120.
  - Casanova, Philippe; and Lateulere, Jean-Louis, 4,856,572, Cl. 152-454.000.
  - Charvet, Jean L., 4,794,967, Cl. 152-539.000.
  - Hebert, M. Jacques; and Pauc, M. Gilbert, 4,843,872, Cl. 73-146.500.
  - Lacour, Jean-Charles, 4,860,810, Cl. 152-540.000.
  - Lagnier, Alain, 4,794,965, Cl. 152-209.00R.
  - Laurent, Daniel; and Mayet, Jean C., 4,795,523, Cl. 156-397.000.
  - Laurent, Daniel; and Mayet, Jean C., 4,801,344, Cl. 156-117.000.

  - Laurent, Daniel, 4,867,217, Cl. 152-5.000.
  - Merle, Michel, 4,862,939, Cl. 152-452.000.
  - Pompier, Jean-Pierre, 4,823,107, Cl. 340-442.000.
  - Pompier, Jean-Pierre, 4,837,553, Cl. 340-442.000.
  - Reiniche, Andre, 4,830,684, Cl. 148-128.000.
- Compagnie Generale des Matieres Nucleaires: *See—*
  - Hertz, Dominique; and Couturier, Jean-Michel, 4,873,117, Cl. 427-37.000.
  - Moret, Jacques; Fosset, Jean-Maurice; Couturier, Jacques; and Viard, Noel, 4,797,524, Cl. 219-10.690.
  - Sartor, Pierre-Jean, 4,844,862, Cl. 376-441.000.
  - Thomazet, Joel; and Kolmayer, Andre, 4,804,516, Cl. 376-439.000.
- Compagnie Industrielle de Tubes et Lampes Electriques Citel: *See—*
  - Dorival, Michel, 4,866,561, Cl. 361-119.000.
- Compagnie Internationale de Participation et d'Investissement Cipart S.A.: *See—*
  - Geuskens, Georges; Deltour, Robert; and Vallier, Thierry, 4,808,470, Cl. 428-323.000.
- Compagnie Internationale des Produits Sanitaires "CIPS": *See—*
  - Delpla, Claude A.; Limet, Henri D.; and Janicaud, Francois P., 4,819,867, Cl. 236-12.160.
- Compagnie Oris Industrie S.A.: *See—*
  - Gauneus, Gilbert; Nicaise, Maryvonne; and Tran, Kifu O., 4,888,019, Cl. 623-18.000.
- Compagnie Plastic Omnium: *See—*
  - Plissonnier, Bernard, 4,809,641, Cl. 118-500.000.
- Compagnolo S.p.A.: *See—*
  - Romano, Antonio, 4,825,719, Cl. 74-594.400.
- Compagnon, Michel F., to Maillefer S.A. Device for feeding an extrusion head for plastic material. 4,832,960, 5-23-89, Cl. 425-131.100.
- Compagnucci, Rossano. Domestic clothes drying rack. 4,807,766, 2-28-89, Cl. 211-198.000.
- Compair Power Tools Limited: *See—*
  - Hall, Raymond J., 4,811,756, Cl. 137-498.000.
- Companie Generale d'Automatisme: *See—*
  - Doncel, Miguel, 4,806,943, Cl. 343-742.000.
- Companion, John A.; Heyman, Joseph S.; Mineo, Beth A.; Cavalier, Albert R.; and Blalock, Travis N., to United States of America, National Aeronautics and Space Administration. Rapidly quantifying the relative distention of a human bladder. 4,852,578, 8-1-89, Cl. 128-661.030.
- Company "A" (Foam) Limited: *See—*
  - Albertelli, Aldino; Hohmann, Lothar M.; and Curtis, Anthony N., 4,843,103, Cl. 521-83.000.
- Compaq Computer Corporation: *See—*
  - Brown, Alan E., 4,870,553, Cl. 363-16.000.
  - Culley, Paul R., 4,835,681, Cl. 364-200.000.
  - Duncan, Wayne P., Jr., 4,851,614, Cl. 174-68.500.
  - Haarde, John F., 4,835,345, Cl. 174-68.500.
  - Lower, Edwin M., 4,855,892, Cl. 363-86.000.
  - Mitchell, Tom; Williams, Gary L.; and Haner, Richard V., 4,832,419, Cl. 312-7.200.
  - Sharp, David P., 4,867,776, Cl. 65-2.000.
  - Sharp, David P.; Lee, Charles H.; and Cassidy, Thomas, 4,885,482, Cl. 307-465.000.
  - Taylor, Mark, 4,807,266, Cl. 377-48.000.
  - White, Alan V., 4,870,555, Cl. 363-21.000.
- Comparetta, Christopher: *See—*
  - Carter, Jeff C.; Federico, Anthony M.; and Comparetta, Christopher, 4,800,521, Cl. 364-900.000.
- Compax Corp.: *See—*
  - Milligan, William D.; and Cecere, Andrew P., 4,882,819, Cl. 26-18.600.
- Compeau, David E.; Rogers, Lloyd W.; Pyszel, Ronald J.; and Chapman, Walter C., to General Motors Corporation. Control apparatus for a compartment panel pull down mechanism. 4,823,059, 4-18-89, Cl. 318-454.000.
- Compeau, David E.; and Rogers, Lloyd W., to General Motors Corporation. Releasable connector for closure operating mechanism. 4,850,140, 7-25-89, Cl. 49-347.000.
- Compeau, David E.; Rogers, Lloyd W.; and Myslicki, Robert J., to General Motors Corporation. Vehicle venting arrangement responsive to side door opening and closing. 4,861,089, 8-29-89, Cl. 296-76.000.
- Compeau, David E.; and Priest, William L., to General Motors Corporation. Compartment panel pull down mechanism. 4,869,537, 9-26-89, Cl. 292-341.180.
- Compeau, David E.; Manuel, Mark; and Rogers, Lloyd W., Jr., to General Motors Corporation. Closure latch. 4,875,723, 10-24-89, Cl. 292-201.000.
- Compeau, David E.: *See—*
  - Rogers, Lloyd W.; and Compeau, David E., 4,796,916, Cl. 280-803.000.
- Compen, Johannes M. A. A., to U.S. Philips Corporation. Method of reducing doming in a color display tube and a color display tube made in accordance with the method. 4,801,842, 1-31-89, Cl. 313-402.000.
- Compen, Johannes M. A. A.; and Van Kemenade, Wilhelmus M. P., to U.S. Philips Corporation. Method of manufacturing an electron beam tube and electron beam tube thus manufactured. 4,806,823, 2-21-89, Cl. 313-479.000.
- Comper, Lucia; and Ferrari, Francesco, to Montedipe S.p.A. Cutting device for high-temperature granulation of thermoplastic polymers. 4,874,307, 10-17-89, Cl. 425-311.000.
- Competitive Athletics Technology, Inc.: *See—*
  - Fatool, Wade; and Ferraro, Robert J., 4,870,956, Cl. 128-80.00C.
- Compex Co., Ltd.: *See—*
  - Shimizu, Michitaka, 4,878,312, Cl. 47-1.100.
- CompFax Corporation: *See—*
  - Gruenberg, Elliot L., 4,805,216, Cl. 380-21.000.
- Compin, Michel: *See—*
  - Andiano, Jose; Houy, Germain; and Compin, Michel, 4,825,567, Cl. 37-117.500.
- Compix Incorporated: *See—*
  - Crall, Richart F., 4,814,870, Cl. 358-113.000.
- Completion Services, Inc.: *See—*
  - Rebardi, Wade A.; and Farley, David L., 4,858,690, Cl. 166-278.000.
- Completion Tool Company: *See—*
  - Bell, William T.; Ellis, Richard C.; and Snyder, Robert E. 4,871,179, Cl. 277-34.600.
- Comporgan Rendszerhaz K.V.: *See—*
  - Varkonyi, Laszlo; and Vaci, Gyula, 4,804,293, Cl. 405-15.000.
- Comporgan System House: *See—*
  - Varkonyi, Laszlo ; Vaci, Gyula; and Asszonyi, Csaba, 4,820,080, Cl. 405-45.000.
- Compos, Andre C., to Virbac, a French Corporation. Implantable ultrasonic probe and method of manufacturing the same. 4,823,80 4-25-89, Cl. 128-661.080.
- Composite Panel Manufacturing: *See—*
  - Webb, William, 4,852,316, Cl. 52-235.000.
- Compression Technologies, Inc.: *See—*
  - Hoffmann, Ralph M., 4,827,983, Cl. 137-899.400.
- Compression Technology Inc.: *See—*
  - Ansdale, Richard F., 4,823,743, Cl. 123-18.00R.
- Comprimo B.V.: *See—*
  - Berben, Pieter H.; and Geus, John W., 4,818,740, Cl. 502-313.000.
- Compter, Johan C.; and Heijmans, Peter M. S. M., to U.S. Philips Corporation. Method of and electronic circuit for starting a reluctance motor and reluctance motor provided with such an electronic circuit. 4,795,953, 1-3-89, Cl. 318-696.000.
- Comptoir General d'Emballage: *See—*
  - Carrillon, Henri, 4,860,925, Cl. 222-145.000.
- Compton, Arthur M. Lateral filing cabinet with rotary drawers 4,822,119, 4-18-89, Cl. 312-328.000.
- Compton, Carl L.; and Newman, James D., to Reynolds Metals Company. Method of casting aluminum. 4,850,422, 7-25-89, Cl. 164-473.000.
- Compton, Gary R.: *See—*
  - Cotton, Lawrence M.; Derler, John C.; and Compton, Gary R. 4,827,996, Cl. 144-134.00D.
- Compton, Gery R.: *See—*
  - Cotton, Lawrence M.; and Compton, Gery R., 4,860,809, Cl. 144-371.000.
- Compton, Ira. Portable truck and railroad car load conveyer. 4,813,83 3-21-89, Cl. 414-345.000.
- Compton, Ira. Bulk orchard harvest trailer with power assist. 4,844,68 7-4-89, Cl. 414-520.000.
- Compton, James B.: *See—*
  - Daleo, Stephen L.; and Compton, James B., 4,873,563, Cl. 357-41.000.
- Compton, John T., to Eastman Kodak Company. Video still player with internal capability for executing externally-generated viewing programs. 4,796,099, 1-3-89, Cl. 358-342.000.
- Compton, Lloyd A., to M & J Operations Corporation. Quick-connect lateral force coupling. 4,819,394, 4-11-89, Cl. 52-252.000.
- Compton, Peter M.: *See—*
  - Wood, Brian J.; Compton, Peter M.; and Gianotti, Jerome P. 4,808,112, Cl. 439-66.000.
- Compton, Richard A.: *See—*
  - Brown, Robert D.; and Compton, Richard A., 4,887,708, Cl. 198-831.000.
- Compton, Ronald E.; Brown, Bruce A.; Akhurst, Donald S.; Myers, Douglas R.; Smith, Robert W.; and DeBruyne, Robert W., to Cross Company, The. Apparatus for finishing pistons and the like and method therefor. 4,867,020, 9-19-89, Cl. 82-1.110.
- Compton, Wayne W., to Kidde Consumer Durables Corporation. Luminaire with different asymmetry along two horizontal axes. 4,856,103, 8-8-89, Cl. 362-340.000.
- CompuAdd Corporation: *See—*
  - Mast, Thomas R., 4,873,395, Cl. 174-35.0GC.
- Computed Anatomy Inc.: *See—*
  - Gersten, Martin; Mammone, Richard J.; and Zelvin, Joseph L. 4,863,260, Cl. 351-212.000.
- Computer Accessories Corporation: *See—*
  - Gronskog, Lennart A.; and McGrath, Timothy P., 4,823,019, Cl. 307-66.000.
- Computer Associates International, Inc.: *See—*
  - Vinberg, Anders B.; and Colby, Kenneth W., 4,800,510, Cl. 364-521.000.
  - Vinberg, Anders B.; Wright, Thomas J.; and Lehman, Kenneth A. 4,852,019, Cl. 364-521.000.
- Computer Basic Technology Research Association: *See—*
  - Tsuchiya, Hiroshi; Karakama, Yoshiakira; Nagaike, Sadanor Nakajima, Hiroyasu; and Chida, Kousaku, 4,796,126, Cl. 360-103.000.
  - Ueda, Toru; and Nishioka, Yoshiki, 4,833,711, Cl. 381-43.000.
- Computer and Communications Technology Corporation: *See—*
  - Valstyn, Erich P., 4,841,625, Cl. 29-603.000.
- Computer Design Ranges, Inc.: *See—*
  - Destry, Donald M.; and Destry, Christopher M., 4,889,346, Cl. 273-406.000.
- Computer Devices, Inc.: *See—*
  - Horgan, Thomas B., 4,857,990, Cl. 358-13.000.
- Computer Gaming Systems, Inc.: *See—*
  - Plevyak, Jerome B.; and Nicoletti, Adolph E., 4,832,342, Cl. 273-149.00R.
- Computer Graphics Laboratories, Inc.: *See—*
  - Maine, Stephen; Harrower, Duncan; and Mammen, Abraham, 4,864,517, Cl. 364-521.000.
- Computer Output Processors and Engineering, Inc.: *See—*
  - Spyra, Rudolf A., 4,875,668, Cl. 270-45.000.
- Computer Products Inc.: *See—*
  - Hunter, Patrick L., 4,831,508, Cl. 363-44.000.
- Computer Security Corporation: *See—*
  - Cairns, John P., 4,801,935, Cl. 340-825.340.
- Computer Services Corporation: *See—*
  - Horie, Kiyoshi, 4,881,215, Cl. 369-44.000.
  - Kimura, Fumio, 4,819,222, Cl. 369-124.000.
  - Kimura, Fumio; Takahashi, Shunzo; and Hamasaki, Yukio, 4,855,981, Cl. 369-44.000
- Computer Sports Medicine, Inc.: *See—*
  - Potash, Richard J.; and Burns, Steven K., 4,882,739, Cl. 375-109.000.
- Computer Sports Systems, Inc.: *See—*
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- Computer X, Inc.: *See—*
  - Kun, Andrew I., 4,835,685, Cl. 364-200.000.
- Computergesellschaft Konstanz: *See—*
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- Computerized Data Saytems for Mfg., Inc.: *See—*
  - Kobus, Paul, Jr., 4,864,494, Cl. 364-200.000.
- Computervision Corporation: *See—*
  - Malmquist, Richard G., 4,803,306, Cl. 174-35.0GC.
- Comroe, Richard A.; Major, John E.; Coombes, Daniel J.; Whitney, Susan M.; Sasuta, Michael D.; Zdunek, Kenneth J.; Pioch, Gerald E.; Borras, Jaime A.; Scheiderer, Ronald L.; and Blackston, Susan M., to Motorola, Inc. Method for dynamically regrouping subscribers on a communications system. 4,817,190, 3-28-89, Cl. 455-11.000.
- Comroe, Richard A.; and Zdunek, Kenneth J., to Motorola, Inc. Trunked communication system with nationwide roaming capability. 4,833,701, 5-23-89, Cl. 379-60.00C.
- Comroe, Richard A.: *See—*
  - Zdunek, Kenneth J.; Hess, Garry C.; and Comroe, Richard A., 4,870,408, Cl. 340-825.030.
- Comstock, W. Kenneth. Constant power system and method. 4,857,755, 8-15-89, Cl. 307-47.000.
- Comstream Corporation: *See—*
  - Gurantz, Itzhak; and Wright, David A., 4,837,786, Cl. 370-20.000.
- Comte, Georges, to Les Cables de Lyon. Echometer for locating defects which affect light conductors. 4,826,314, 5-2-89, Cl. 356-73.100.
- Comte, Georges: *See—*
  - Laboureau, Jacques P.; and Comte, Georges, 4,848,328, Cl. 128-92.0YC.
- Comte, Gilles; and Viode, Andre, to Societe Anonymes dite: SOGELERG; and Societe Nouvelle Auxim. Digital valve. 4,877,056, 10-31-89, Cl. 137-599.000.
- Comte, Marie-Therese: *See—*
  - Barreau, Michel; Comte, Marie-Therese; Farge, Daniel; Malleron, Jean-Luc; Ponsinet, Gerard; and Roussel, Gerard, 4,826,974, Cl. 540-593.000.
  - Barreau, Michel; Comte, Marie-Therese; Malleron, Jean-Luc; and Ponsinet, Gerard, 4,831,034, Cl. 514-255.000.
- Comte, Pierre-Andre; Schurch, Hans; and Ritter, Gebhard, to Synthes (U.S.A.). Device for treating a bone. 4,875,475, 10-24-89, Cl. 128-924.00Y.
- Comtois, Patrick; Moreau, Luc; Nourry, Daniel; and Paggi, Serge, to La Telemecanique Electrique. Protection cutting apparatus provided with an arc breaking screen. 4,849,591, 7-18-89, Cl. 200-151.000.
- Comurhex Societe pour la Conversion de l'Uranium en Metal et Hexafluorure: *See—*
  - Bachelard, Roland; and Germanaz, Patrick, 4,871,479, Cl. 252-636.000.
- Comven, Inc.: *See—*
  - Treatch, James E., 4,802,235, Cl. 455-76.000.
- Con/Span Culvert Systems, Inc.: *See—*
  - Lockwood, William D., 4,797,030, Cl. 405-125.000.
  - Lockwood, William D., 4,854,775, Cl. 405-126.000.
- Con-Tech Industries, Inc.: *See—*
  - Romano, James, 4,875,502, Cl. 137-627.500.
- Conachen, James A. Guide for window grouting device. 4,830,555, 5-16-89, Cl. 409-178.000.
- Conaghan, Thomas B.: *See—*
  - Moyer, James D.; Neuhauser, John K.; Conaghan, Thomas B.; and Kite, J. Sellers, 4,822,060, Cl. 277-166.000.
  - Tresslar, Marie C.; Kite, Joseph S., III; Piotrowski, Michael J.; and Conaghan, Thomas B., 4,870,887, Cl. 87-9.000.
- Conair Corporation: *See—*
  - Doyle, Edward J., 4,839,483, Cl. 200-302.100.
  - Lo, Hou-On, 4,837,892, Cl. 16-116.00R.
  - Raab, John J., 4,877,942, Cl. 219-225.000.
  - Rizzuto, Leandro P.; Leung, Kit-Lun; and Lo, Hou-On, 4,870,250, Cl. 219-225.000.
- Conanan, Virgilio D. Inclinometer of liquid in thin graduated cylinder. 4,854,047, 8-8-89, Cl. 33-377.000.
- Conanan, Virgilio D., to Home Box Office, Inc. Method and apparatus for determining earth station parameters such as rain margin, with attenuation pads. 4,888,596, 12-19-89, Cl. 343-703.000.
- Conant, John P.: *See—*
  - Forsyth, John L.; and Conant, John P., 4,889,438, Cl. 400-320.000.
- Conard, William A.: *See—*
  - Osting, Richard C.; and Conard, William A., 4,830,208, Cl. 215-252.000.
- Conaway, Robert M., to Vital Force, Inc. Apparatus and method for the rapid attainment of high hydrostatic pressures and concurrent delivery to a workpiece. 4,856,311, 8-15-89, Cl. 72-56.000.
- Conax Florida Corporation: *See—*
  - Endres, Merrick A., 4,853,637, Cl. 324-439.000.
  - Jankowiak, Roman; and Lutocka, John A., Jr., 4,799,907, Cl. 441-42.000.
  - Miller, Francis M., 4,827,844, Cl. 102-220.000.
  - Nowakowski, Donald E.; and Naab, Carlton W., 4,803,980, Cl. 128-201.230.
  - Nowakowski, Donald E.; and Naab, Carlton W., 4,869,245, Cl. 128-201.230.
- Conbraco Industries, Inc.: *See—*
  - Killian, Henry R., 4,887,634, Cl. 137-315.000.
- Concannon, Thomas P.: *See—*
  - Bragaw, Chester G., Jr.; Concannon, Thomas P.; and Davis, Robert F., 4,877,683, Cl. 428-421.000.
- Concentric Controls Limited: *See—*
  - James, Robert; and Roberts, Peter D., 4,832,070, Cl. 137-65.000.
- Concentric Pumps Limited: *See—*
  - Child, Robin E., 4,887,956, Cl. 418-20.000.
- Concept II, Inc.: *See—*
  - Dreissigacker, Peter D.; and Dreissigacker, Richard A., 4,875,674, Cl. 272-72.000.
- Concept, Inc.: *See—*
  - Bays, F. Barry; Trott, Arthur F.; and Marchand, Sam R., 4,884,572, Cl. 128-334.00R.
  - Trott, Arthur F.; and Marchand, Sam R., 4,796,624, Cl. 128-316.000.
- Concept Plastics Corp.: *See—*
  - Barnell, Anthony J.; and Palmer, James J., 4,813,540, Cl. 206-400.000.
- Concept Polymer Technologies, Inc.: *See—*
  - Johnson, Theodore D., 4,826,485, Cl. 604-170.000.
- Concept R.K.K. Limited: *See—*
  - Krieg, Ronald K.; and Drumheller, John A., 4,860,544, Cl. 62-45.100.
- Conception, Elaboration, Realisation D'Ensembles Electroniques et Mecaniques (C.E.R.E.M.): *See—*
  - Czajkowski, Didier; Labarthe, Joel; and Bouyou, Bertrand, 4,884,392, Cl. 56-13.100.
- Conceptus, Inc.: *See—*
  - Keldahl, Loren R.; and Lindquist, Dale C., 4,846,818, Cl. 604-329.000.
- Concha, Fernando; and Stancil, Charles J., to International Business Machines Corporation. Error checking and correcting for read-modified-write operations. 4,884,271, 11-28-89, Cl. 371-40.200.
- Concklin, Barry J.: *See—*
  - Hill, Lorimer K.; Harnden, James A.; and Concklin, Barry J., 4,853,563, Cl. 307-475.000.
- Concord Data Systems, Inc.: *See—*
  - Lindbergh, David; and Helf, Brant M., 4,870,662, Cl. 375-122.000.
- Concord Industries, Inc.: *See—*
  - Burns, Russell W., 4,889,321, Cl. 254-332.000.
- Concordia University: *See—*
  - Le Van Mao, Raymond; and Nguyen, Thanh M., 4,847,223, Cl. 502-62.000.
  - Le Van Mao, Raymond, 4,873,392, Cl. 585-640.000.
- ConCoyle Oilfield Tools, Inc.: *See—*
  - Coyle, Gary W., 4,813,485, Cl. 166-372.000.
- Concrete Pipe & Products, Corp.: *See—*
  - Melfi, Nicholas W., 4,862,992, Cl. 181-210.000.
- Concrete Technology Corporation: *See—*
  - Hodson, Harry, 4,889,428, Cl. 366-1.000.
- Condamin, Bernard: *See—*
  - Monquin, Felix; and Condamin, Bernard, 4,811,629, Cl. 74-710.500.
- Conde Nast Publications Inc., The: *See—*
  - Marion, Elliott, 4,830,619, Cl. 434-382.000.
- Conder, George A.: *See—*
  - Rector, Douglas L.; Conder, George A., and Folz, Sylvester D., 4,870,082, Cl. 514-311.000.
- Condes Corporation: *See—*
  - Memmel, Robert A., Jr.; Wilfong, Daryl A.; and Collins, George A., 4,820,375, Cl. 156-566.000.
- Condit, Timothy B.; German, John F.; and Irish, Ellwood, to Unistrut International Corp. Unitary connection assembly for metal channels and method for assembly. 4,830,531, 5-16-89, Cl. 403-348.000.
- Condit, William C., Jr.: *See—*
  - McKee, Bobby D.; Rindal, Roald A.; and Condit, William C., Jr., 4,864,911, Cl. 89-8.000.
- Condne, Claus; and Mattes, Bernhard, to Robert Bosch GmbH. Sensor for automatic release of occupant protective devices in the event of an accident. 4,831,879, 5-23-89, Cl. 73-516.00R.
- Condon, David C.; and Stumfall, David M., to Printronix, Inc. Magnetic print hammer actuator protection circuit. 4,875,409, 10-24-89, Cl. 101-93.290.

- Condon, Dennis E.: *See—*
  - Watson, David A.; Jensen, Michele R.; and Condon, Dennis E., 4,823,815, Cl. 128-897.000.
- Condotta, Roberto. Automatic sliver distributor for spinning machines. 4,809,495, 3-7-89, Cl. 57-408.000.
- Condrashoff, Sergi F.: *See—*
  - Puritch, George S.; and Condrashoff, Sergi F., 4,861,762, Cl. 514-122.000.
- Conductex, Inc.: *See—*
  - Bryant, Kenneth G., 4,815,299, Cl. 66-202.000.
  - Bryant, Kenneth G., 4,856,299, Cl. 66-202.000.
- Conductron Corporation: *See—*
  - Kinnan, Frank R., 4,886,939, Cl. 174-77.00R.
- Cone, Michael P. Tool for removing lateral deflection in a wood plank. 4,821,784, 4-18-89, Cl. 144-381.000.
- Cone, Richard E., to Gerico, Inc. Tray apparatus for use with a chair. 4,807,928, 2-28-89, Cl. 297-153.000.
- Cone, Richard E., to R/D/ & D, Inc. Juvenile walker. 4,822,030, 4-18-89, Cl. 272-70.300.
- Cone, Richard E., to U.S. Brands. Folding chair. 4,836,601, 6-6-89, Cl. 297-16.000.
- Cone, Robert L. Liquid container. 4,834,269, 5-30-89, Cl. 222-465.100.
- Cone, Robert L., to Buckler Corporation. Accessory storage device having modular construction. 4,848,855, 7-18-89, Cl. 312-107.000.
- Conemac, Timothy D. Wireless electronic alarm for installation in sliding door or window casings. 4,888,578, 12-19-89, Cl. 340-546.000.
- Coneys, Thomas A.: *See—*
  - Caggiani, Carlos A.; Coneys, Thomas A.; and Larson, Kenneth W., 4,842,592, Cl. 604-283.000.
- Confalonieri, Carlo: *See—*
  - Gatti, Gaetano; Oldani, Diego; Confalonieri, Carlo; and Gambini, Luciano, 4,840,938, Cl. 514-34.000.
- Confalonieri, Pierangelo; Senderowicz, Daniel; and Nicollini, Germano, to SGS Microelecttronica S.p.A. Apparatus and method for offset voltage correction in an analog to digital converter. 4,799,042, 1-17-89, Cl. 341-118.000.
- Confalonieri, Pierangelo; Senderowicz, Daniel; and Tirelli, Augusto, to SGS Microelecttronica S.p.A. Method and apparatus for pulse code modulation combination chip having an improved autozero circuit. 4,805,192, 2-14-89, Cl. 375-25.000.
- Confalonieri, Pierangelo; Pernici, Sergio; and Nicollini, Germano, to SGS-Thomson Microelectronics s.r.l. Antibounce circuit for digital circuits. 4,883,993, 11-28-89, Cl. 307-542.100.
- Confalonieri, Pierangelo: *See—*
  - Nicollini, Germano; and Confalonieri, Pierangelo, 4,888,500, Cl. 307-475.000.
- Confon AG: *See—*
  - Halm, Hans, 4,864,751, Cl. 40-381.000.
  - Preusker, Rosel; and Preusker, Werner, 4,884,933, Cl. 411-177.000.
- Conforex AB: *See—*
  - Eckerud, Ove, 4,835,931, Cl. 52-586.000.
- Conforti, Fred J.: *See—*
  - Bellavia, Nicholas J.; Birk, Daniel J.; Conforti, Fred J.; and Sisselman, Ronald, 4,827,244, Cl. 340-514.000.
- Congdon, Danny D. Agricultural wagon protective cover. 4,796,945, 1-10-89, Cl. 296-100.000.
- Congedo, Thomas V.: *See—*
  - Bartko, John; Anderson, Stanwood L.; Congedo, Thomas V.; and Ruddgy, Francis H., 4,804,514, Cl. 376-154.000.
  - Bartko, John; Schoch, Karl F., Jr.; Congedo, Thomas V.; and Anderson, Stanwood L., Jr., 4,857,259, Cl. 376-154.000.
- Congleton, Stephen R. Oil tank catwalk assembly for automotive service facility. 4,880,081, 11-14-89, Cl. 184-1.500.
- Congoleum Corporation: *See—*
  - Miller, Charles H.; Mansolillo, Robert D.; Kaminski, Stanley J.; and Mushall, Susan G., 4,844,849, Cl. 264-46.400.
- Conigliaro, Thomas S.; and Coniliaro, Samuel J. Seat belt indicator system. 4,849,733, 7-18-89, Cl. 340-457.100.
- Coniliaro, Samuel J.: *See—*
  - Conigliaro, Thomas S.; and Coniliaro, Samuel J., 4,849,733, Cl. 340-457.100.
- Conine, James W.; and Stowers, Julian L., to Eli Lilly and Company. Stabilized pergolide compositions. 4,797,405, 1-10-89, Cl. 514-288.000.
- Conjerti, Samuel N.: *See—*
  - Groutage, Frederick D.; Conjerti, Samuel N.; and Shaw, Lockburn S., 4,842,218, Cl. 244-3.280.
- Conkey, Carroll E. Aid for loading bullets into a magazine. 4,827,651, 5-9-89, Cl. 42-87.000.
- Conkle, Gary L. Night light for walking assistance devices. 4,837,666, 6-6-89, Cl. 362-102.000.
- Conkle, H. Nicholas, to Battelle Memorial Institute. Removing pollutant. 4,861,354, 8-29-89, Cl. 55-96.000.
- Conkle, Urban C.: *See—*
  - Durham, Daniel K.; Conkle, Urban C.; and Downs, Hartley H., 4,855,060, Cl. 210-708.000.
- Conklin, Charles C.; Faber, Michael W.; Schachter, David; Spira, Philip M.; Wang, Chi-Wen; and Williams, Paul L. Radio signal controlled digital clock. 4,823,328, 4-18-89, Cl. 368-47.000.
- Conklin, Dave: *See—*
  - Johnson, Donald A.; and Conklin Dave, 4,800,492, Cl. 364-403.000.
- Conklin, Edward K.: *See—*
  - Rather, John D. G.; Ames, Gregory H.; Conklin, Edward K.; Lazzarini, Albert J.; Mangano, Joseph; and Ulich, Bobby L., 4,825,062, Cl. 250-201.000.
- Conklin Instrument Corporation: *See—*
  - Mantovani, John C., 4,839,905, Cl. 375-12.000.
- Conkling, Charles R., Jr.: *See—*
  - Hampton, Herbert R.; Fodale, Robert; and Conkling, Charles R., Jr., 4,840,069, Cl. 73-802.000.
- Conlan, John T., to Betz Laboratories, Inc. Apparatus and process for feeding hypochlorite solution. 4,818,412, 4-4-89, Cl. 210-704.000.
- Conley, Alan J.: *See—*
  - Young, Donald F.; Waite, Leroy R.; Ford, Stephen P.; and Conley, Alan J., 4,869,260, Cl. 128-662.040.
- Conley, Arthur; Darcey, Owen; and Mulligan, Joseph, Jr., to Rail Car America, Inc. Gas return railway car hydraulic cushioning unit and method of converting a spring return unit. 4,805,517, 2-21-89, Cl. 92-8.000.
- Conley, Edward V.: *See—*
  - Greenfield, Mark S.; and Conley, Edward V., 4,859,543, Cl. 428-552.000.
- Conley, James A. Torch support for plasma cutting system. 4,880,95 11-14-89, Cl. 219-121.580.
- Conley, John L. Innerlock member for sheet gripping assembly 4,847,958, 7-18-89, Cl. 24-461.000.
- Conley, Joseph M.: *See—*
  - Bradley, James G.; Conley, Joseph M.; and Wittry, David B. 4,847,502, Cl. 250-396.0ML.
- Conley, Larry. Pin panel circuit board assembly. 4,822,288, 4-18-89, Cl. 439-84.000.
- Conley, Larry E.: *See—*
  - Beamenderfer, Robert E.; Conley, Larry E.; Miller, Charles A.; Nauman, Warren D.; Pala, Ronald S.; and Zelko, William E. 4,834,674, Cl. 439-494.000.
- Conley, Larry R. High speed discrete wire pin panel assembly with embedded capacitors. 4,878,155, 10-31-89, Cl. 361-401.000.
- Conley, Peter L.: *See—*
  - Bohner, John J.; and Conley, Peter L., 4,890,027, Cl. 310-328.00
- Conley, Richard A.; and Barton, Donald L., to Ortho Pharmaceutical Corporation. Process for preparing 2-acyl-3, 4-dialkoxyaniline 4,883,787, 11-28-89, Cl. 564-414.000.
- Conley, Willard E.: *See—*
  - Brunsvold, William R.; Conley, Willard E.; Jacobs, Scott L.; Mack, George L.; Merritt, David P.; and Uptmor, Ann M., 4,828,964 Cl. 430-271.000.
- Conlon, David A.: *See—*
  - Crivello, James V.; and Conlon, David A., 4,864,054, Cl. 560-64.000.
- Conlon, Edward J.: *See—*
  - Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J. 4,808,770, Cl. 174-68.500.
  - Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J. 4,816,615, Cl. 174-68.500.
  - Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J. 4,874,550, Cl. 252-512.000.
  - Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J. 4,880,567, Cl. 252-512.000.
- Conlow, Frank J., to Transamerica DeLaval Inc. Turbine blade retainer. 4,797,065, 1-10-89, Cl. 416-220.00R.
- Conmed: *See—*
  - Abraham, William W.; and Gentelia, John S., 4,799,480, Cl. 128-303.130.
- Conn, David J.: *See—*
  - Solomon, Daniel M.; Kaminski, James J.; and Conn, David J. 4,847,377, Cl. 544-251.000.
- Conn, Francis E., to General Motors Corporation. Gas turbine engine starting mechansim. 4,870,817, 10-3-89, Cl. 60-39.141.
- Conn, James K.: *See—*
  - Guler, Michael G.; Patel, Sharadchandra D.; Conn, James K.; and Foster, Marcus L., 4,797,685, Cl. 343-912.000.
- Conn, Kirk O.; Finlay, William, Jr.; Sutyn, Caroll S.; and Mast Michael G., to West Company, The. Wet-dry bag with lypho vial. 4,871,354, 10-3-89, Cl. 604-89.000.
- Conn, Leroy C. Blending apparatus. 4,813,787, 3-21-89, Cl. 366-290.00
- Conn, Robert W.: *See—*
  - Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dinner Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; May Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.
- Conn, Roy S., Jr.; and Spector, George. Driveway safety light 4,843,337, 6-27-89, Cl. 340-906.000.
- Conn, Sidney H. Electrically non-conductive suspension cables for hot air balloons. 4,813,630, 3-21-89, Cl. 244-31.000.
- Conn-Weld Industries, Inc.: *See—*
  - Connolly, James D.; and Huff, Darrel, 4,840,728, Cl. 209-405.000.
- Connacher, Patrick J. Cutter and method to remove surface contam 4,822,107, 4-18-89, Cl. 299-10.000.
- Connaught Laboratories Limited: *See—*
  - Goosen, Mattheus F. A.; O'Shea, Geraldine M.; and Sun, Anthony M. F., 4,806,355, Cl. 424-424.000.
  - Magnin, Anthony A.; Wah, Po-Shing; and Dennis, Paul, 4,889,5 Cl. 530-387.000.
- Conneally, Martin L., to Sears, Roebuck & Co. Single hand operated can opener. 4,860,455, 8-29-89, Cl. 30-404.000.
- Connec AG Systembau-Technik: *See—*
  - Swoboda, Hellmuth, 4,799,819, Cl. 403-252.000.
- Connect Computer Company, Inc.: *See—*
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- Connecticut Artcraft Corp.: *See—*
  - Viesturs, Eric, 4,794,935, Cl. 128-774.000.
- Connectron, Inc.: *See—*
  - Norden, Alexander R., 4,810,212, Cl. 439-709.000.
  - Norden, Alexander R., 4,826,379, Cl. 411-366.000.
  - Norden, Alexander R., 4,861,285, Cl. 439-621.000.
  - Norden, Alexander R., 4,872,855, Cl. 439-717.000.
- CONNEI S.p.A.: *See—*
  - Lancella, Attilio, 4,840,587, Cl. 439-851.000.
  - Lancella, Attilio, 4,840,588, Cl. 439-851.000.
- Connell, Calvin C. Cylindrical tappet. 4,885,952, 12-12-89, Cl. 74-569.000.
- Connell, Charles R.: *See—*
  - Fung, Steven; Woo, Sam L.; Haugland, Richard P.; Menchen, Steven M.; and Connell, Charles R., 4,855,225, Cl. 435-6.000.
  - Hunkapiller, Michael W.; Connell, Charles R.; Mordan, William J.; Lytle, John D.; and Bridgham, John A., 4,811,218, Cl. 364-413.010.
- Connell, G. A. Neville; and Kowalski, Daniel C., to Xerox Corporation. Method of utilizing a multiple emitter solid state laser in a raster output scanner (ROS). 4,796,964, 1-10-89, Cl. 350-6.800.
- Connell, Ian M.; MacDonald, Brian M.; and Stanghan, Christopher J., to British Telecommunications public limited company. Optical fibre termination. 4,830,450, 5-16-89, Cl. 350-96.200.
- Connell, John W.: *See—*
  - Hergenrother, Paul M.; Connell, John W.; and Bass, R. Gerald, 4,861,882, Cl. 544-216.000.
  - Hergenrother, Paul M.; Connell, John W.; and Havens, Stephen J., 4,889,912, Cl. 528-125.000.
- Connell, Lawrence E., to Motorola, Inc. Fully integrated, adjustable oscilator for use with a crystal. 4,827,226, 5-2-89, Cl. 331-116.0FE.
- Connell Limited Partnership: *See—*
  - Lawrance, Harold R.; and McCutchen, John R., 4,846,262, Cl. 165-72.000.
- Connell, Richard A.: *See—*
  - Sisson, Robert W.; and Connell, Richard A., 4,856,604, Cl. 177-210.0FP.
- Connelly, Bruce A.; Wehrle, Matthew E.; and Greigger, Paul P., to PPG Industries, Inc. Fluoropolymer based coating composition for adhesion direct to glass. 4,879,345, 11-7-89, Cl. 525-104.000.
- Connelly Containers, Inc.: *See—*
  - Heaps, Harry D., Jr.; and Boy, Charles E., 4,850,506, Cl. 220-403.000.
- Connelly, John F.: *See—*
  - Fisher, Patrick; Stifelman, Jack; Connelly, John F.; Theisen, Jeff J.; and Fisher, Patrick, 4,883,083 Cl. 137-110.000.
- Connelly, John H., to Corning Glass Works. Glass for projection cathode ray tube faceplate. 4,830,990, 5-16-89, Cl. 501-64.000.
- Connelly, Patrick J.: *See—*
  - Ackert, Gail M.; Gillis, Donald B.; and Connelly, Patrick J., 4,869,697, Cl. 441-70.000.
- Connelly, Richard E., to Richard E. Connelly Co., Inc. Resistance-type exercise apparatus. 4,867,445, 9-19-89, Cl. 272-130.000.
- Connelly Skis, Inc.: *See—*
  - Ackert, Gail M.; Gillis, Donald B.; and Connelly, Patrick J., 4,869,697, Cl. 441-70.000.
- Connelly, Stephen F.: *See—*
  - Gott, F. Kenneth, Jr.; Rickard, John T.; and Connelly, Stephen F., 4,823,809, Cl. 128-776.000.
- Conner, Allen B., Jr.: *See—*
  - Weaver, Charles S.; Chittenden, Constance T.; and Conner, Allen B., Jr., 4,882,754, Cl. 381-35.000.
- Conner, Ancel U.: *See—*
  - Garris, Sidney J.; Conner, Ancel U.; and Goodman, Gerald, 4,813,333, Cl. 89-14.300.
- Conner, Arlie R., to Tektronix, Inc. Complex waveform multiplexer for liquid crystal displays. 4,857,906, 8-15-89, Cl. 340-784.000.
- Conner, Craig R., to Allen-Bradley Company, Inc. Flux profile control for startup of an induction motor. 4,845,418, 7-4-89, Cl. 318-778.000.
- Conner, David E.: *See—*
  - Abramson, Paul; Conner, David E.; and Haas, Lee C., 4,814,634, Cl. 307-243.000.
- Conner, Donald W., Jr.; and Munoz, Craig A. Cushioning seat covering for a cycle saddle. 4,842,332, 6-27-89, Cl. 297-214.000.
- Conner, James M.; Harden, Daniel K.; and Genaro, Donald M., to Henry Dreyfuss Associates. System for containment and digital insertion of suppositories and other objects. 4,795,422, 1-3-89, Cl. 604-14.000.
- Conner, John P., to Irwin Seating Company. Collapsible seating system with automatically folding seats. 4,850,159, 7-25-89, Cl. 52-9.000.
- Conner, Leo B., Jr., to Motorola, Inc. Identification system. 4,837,575, 6-6-89, Cl. 342-45.000.
- Conner Peripherals, Inc.: *See—*
  - Squires, John P.; and Shrinkle, Louis J., 4,876,491, Cl. 318-138.000.
- Conner, Steven A. Graphic dynamic greeting card and method for making same. 4,841,651, 6-27-89, Cl. 40-160.000.
- Conner, Trevor J.: *See—*
  - Worsley, David R.; and Conner, Trevor J., 4,849,915, Cl. 364-562.000.
- Conner, Wayne L.: *See—*
  - Shane, Bruce E.; Leady, Keith D.; Conner, Wayne L.; and Celia, Albert F., 4,867,095, Cl. 116-204.000.
- Connerley, James J., to FMC Corporation. Vehicle track shoe with reinforcing grouser. 4,805,968, 2-21-89, Cl. 305-39.000.
- Connerton Appliance Company: *See—*
  - Reynolds, Howard S., 4,805,588, Cl. 126-51.000.
- Connery, Colin A., to Living Water Corporation. Crystallizing apparatus. 4,801,436, 1-31-89, Cl. 422-245.000.
- Connery, Colin A., to Living Water Corporation. Thermoelectric module optimized for low temperature difference. 4,828,627, 5-9-89, Cl. 136-203.000.
- Connery, Colin A., to Living Water Corporation. Water treatment apparatus and method. 4,883,520, 11-28-89, Cl. 62-542.000.
- Connery, James G.; and Shaffer, Earl W., Jr., to General Signal Corporation. Instrument for potentiometric electrochemical measurements. 4,851,104, 7-25-89, Cl. 204-406.000.
- Connery, James G.; and Shaffer, Earl W., Jr., to General Signal Corporation. Temperature compensation for potentiometrically operated ISFETS. 4,879,517, 11-7-89, Cl. 324-438.000.
- Connick, William J., Jr.: *See—*
  - Marois, James J.; Fravel, Deborah R.; Connick, William J., Jr.; Walker, H. Lynn; and Quimby, Paul C., Jr., 4,818,530, Cl. 424-93.000.
- Connolly, Donald P.; McMaster, William K.; and Hamilton, William M., to Connolly & McMaster. Body joint rotation support device. 4,846,842, 7-11-89, Cl. 623-43.000.
- Connolly, Donald P. Support systems and apparatus for suspending and resuspending articles at selected height positions. 4,875,653, 10-24-89, Cl. 248-332.000.
- Connolly, Douglas P., to Xerox Corporation. Scavenging field for electrostatographic printing machine. 4,837,104, 6-6-89, Cl. 430-125.000.
- Connolly, James D. Feed box assembly. 4,814,075, 3-21-89, Cl. 210-156.000.
- Connolly, James D.; and Huff, Darrel, to Conn-Weld Industries, Inc. Vibrating screening apparatus. 4,840,728, 6-20-89, Cl. 209-405.000.
- Connolly, John C., to Fireanster Corporation, The. Method and apparatus for destroying fire ants and fire ant beds. 4,815,234, 3-28-89, Cl. 43-132.100.
- Connolly, John F.; Thrash, Robert J.; and Webber, Bruce D., to Amoco Corporation. Electrolyte additive for lithium-sulfur dioxide electrochemical cell. 4,869,977, 9-26-89, Cl. 429-101.000.
- Connolly, John F.; and Thrash, Robert J., to Amoco Corporation. Lithium-sulfur dioxide electrochemical cell with an iodine-catalyzed cathode. 4,889,779, 12-26-89, Cl. 429-196.000.
- Connolly, Joseph; Holt, Neil L.; Richardson, Anthony R. W.; and Siedenburg, Jay, to Raychem Corporation. Solder delivery device. 4,889,506, 12-26-89, Cl. 439-874.000.
- Connolly, Kevin J.: *See—*
  - Studer, S. Nicholas, Jr.; and Connolly, Kevin J., 4,882,592, Cl. 343-715.000.
- Connolly & McMaster: *See—*
  - Connolly, Donald P.; McMaster, William K.; and Hamilton, William M., 4,846,842, Cl. 623-43.000.
- Connolly, Patrick J., to Ethos Medical Research Limited. Therapeutic bed. 4,868,937, 9-26-89, Cl. 5-61.000.
- Connolly, Peter F., to Jencraft Corporation. Mounting bracket for venetian blinds. 4,848,432, 7-18-89, Cl. 160-178.100.
- Connolly, Robert E.: *See—*
  - Becker, Jerome; and Connolly, Robert E., 4,805,340, Cl. 43-58.000.
- Connolly, Wayne P.: *See—*
  - Topic, Michael W.; and Connolly, Wayne P., 4,829,872, Cl. 84-453.000.
- Connon, Helen A.: *See—*
  - Bivens, Donald B.; and Connon, Helen A., 4,810,403, Cl. 252-67.000.
- Connor, Bonnie G.: *See—*
  - Asquith, Janet L.; and Connor, Bonnie G., 4,872,414, Cl. 116-210.000.
- Connor, Daniel S.: *See—*
  - MacBrair, Clifford L., Jr.; Connor, Daniel S.; Kretschmar, Herbert C.; and Cleary, James A., 4,798,907, Cl. 562-583.000.
- Connor, David T.; and Flynn, Daniel L., to Warner-Lambert Company. Diarylalkanoids having activity as lipoxygenase inhibitors. 4,810,716, 3-7-89, Cl. 514-365.000.
- Connor, David T.: *See—*
  - Belliotti, Thomas R; Connor, David T.; Flynn, Daniel L.; Kostlan, Catherine R.; and Nies, Donald E., 4,877,881, Cl. 548-240.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,199, Cl. 514-411.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,200, Cl. 514-418.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,205, Cl. 514-456.000.
  - Carethers, Mary E.; Centenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S., Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,874,758, Cl. 514-226.500.
  - Cetenko, Wiaczeslaw A.; Connor, David T.; Mullican, Michael D.; and Sorenson, Roderick J., 4,824,958, Cl. 548-251.000.
- Connor, Gary L. Microwave popcorn popper. 4,873,406, 10-10-89, Cl. 219-10.55E.

- Connor, Herbert G., to Imperial Chemical Industries PLC. Coloration process for cellulose polyester textile blends with a reactive dye container a quaternary nitrogen substituent (e.g. nicotinic acid) and a disperse dye. 4,881,942, 11-21-89, Cl. 8-532.000.
- Connor, Lee: *See—*
  - Jordan, Chalmer; Connor, Lee; Lybarger, Robert; and Gutshall, Charles, 4,824,297, Cl. 408-217.000.
- Connor, Linda A.: *See—*
  - Radwanski, Fred R.; Trimble, Lloyd E.; Smith, Roland C.; and Connor, Linda A., 4,879,170, Cl. 428-233.000.
- Connor, Michael J., to Boeing Company, The. Conically-shaped corrugated seal. 4,875,692, 10-24-89, Cl. 277-212.0FB.
- Connor, Richard J.; and Justice, Gerald F., to International Paper Company. Method of heat activating top closure panels. 4,838,009, 6-13-89, Cl. 53-477.000.
- Connor, Susan J.: *See—*
  - Ebling, Thomas D.; Connor, Susan J.; Howd, Thomas C.; and Thompson, Olin W., Jr., 4,864,507, Cl. 364-468.000.
- Connor, William G.; and Coliandris, Chris, to GTE Products Corporation. Reflector lamp. 4,797,794, 1-10-89, Cl. 362-226.000.
- Connors, Donald J. Cardiopulmonary resuscitation device. 4,819,627, 4-11-89, Cl. 128-203.110.
- Connors, Edward, to Aquality, Inc. Child resistant top for a swimming pool chemical dispenser. 4,828,805, 5-9-89, Cl. 422-264.000.
- Connors, Edward W.; Julien, Paul C.; and Martin, Robert G., to Xerox Corporation. Ultrasonics traveling wave for toner transport. 4,794,878, 1-3-89, Cl. 118-653.000.
- Connors, Lucy M.: *See—*
  - Bott, David C.; and Connors, Lucy M., 4,857,426, Cl. 430-18.000.
- Connors, William: *See—*
  - Byrd, William A.; Oman, Joel E.; and Connors, William, 4,877,985, Cl. 310-86.000.
- Conoco Inc.: *See—*
  - Allison, Joe D.; Thomas, Sally A.; and Yang, Kang, deceased, 4,839,154, Cl. 423-244.000.
  - Braswell, Frank M., 4,857,919, Cl. 340-870.360.
  - Burnette, Colin; and Kolts, Juri, 4,866,999, Cl. 73-87.000.
  - Cantu, Lisa A.; McBride, Edward F.; and Osborne, Marion W., 4,848,467, Cl. 166-281.000.
  - Carlberg, Bob L.; Wolf, Nicholas O.; Pober, Kenneth W.; and Nash, William D., 4,860,829, Cl. 166-279.000.
  - Casad, Burton M.; and Gant, Preston L., 4,876,449, Cl. 250-259.000.
  - Chittineni, Chittibabu, 4,841,444, Cl. 364-421.000.
  - Clark, David A., 4,844,167, Cl. 175-4.530.
  - Cole, Jack, 4,871,045, Cl. 181-114.000.
  - Cole, Jack H., 4,853,906, Cl. 367-189.000.
  - Cole, Jack H., 4,862,990, Cl. 181-106.000.
  - Cole, Jack H., 4,867,096, Cl. 181-114.000.
  - Cole, Jack H., 4,874,061, Cl. 181-106.000.
  - Corn, Kruger C.; and Raney, Gary L., 4,800,539, Cl. 367-72.000.
  - Delphin, Joseph P., 4,856,836, Cl. 294-74.000.
  - De Oliveira, Joao G., 4,880,088, Cl. 188-377.000.
  - Dew, Edward G., 4,843,317, Cl. 324-221.000.
  - Flanigan, David A.; Shimoda, Elwyn; and Stolhand, James E., 4,844,817, Cl. 210-788.000.
  - Folse, Keith A., 4,861,196, Cl. 405-224.000.
  - Fu, Ta-Wei; and Newman, Bruce A., 4,822,479, Cl. 208-131.000.
  - Gant, Preston L., 4,857,234, Cl. 252-645.000.
  - Gregory, M. Duane, 4,862,963, Cl. 166-270.000.
  - Hardy, Bryant J.; and Swartz, Charles J., 4,842,752, Cl. 252-17.000.
  - Hudgins, Roger L.; and Wolf, Nicholas O., 4,810,375, Cl. 210-112.000.
  - Hudgins, Roger L.; and Hawkins, Steven E., 4,889,639, Cl. 210-739.000.
  - Hunter, Andrew F., 4,797,035, Cl. 405-205.000.
  - Hunter, Andrew F.; and Zimmer, Robert A., 4,844,659, Cl. 405-224.000.
  - Hunter, Andrew F.; and Bozeman, James D., 4,848,970, Cl. 405-224.000.
  - Le, Hanh T., 4,886,520, Cl. 44-62.000.
  - Leach, Colin P., 4,813,495, Cl. 175-6.000.
  - Lilienthal, Walter B., 4,836,935, Cl. 210-788.000.
  - Matthews, Robert R.; and Clark, Charles R., 4,856,593, Cl. 106-310.000.
  - Meier, Patricia A.; Meier, W. Jeff; and Woodland, Brent J., 4,889,600, Cl. 203-2.000.
  - Morton, Arthur W., 4,798,500, Cl. 405-158.000.
  - Myers, Roderick J.; and Delgado, Jorge H., 4,867,605, Cl. 405-169.000.
  - Myers, Roderick J.; and Delgado, Jorge H., 4,883,387, Cl. 405-195.000.
  - Myers, Wilbur J., 4,853,905, Cl. 367-143.000.
  - Myers, Wilbur J.; and Cole, Jack H., 4,881,210, Cl. 367-173.000.
  - Myers, Wilbur J., 4,881,211, Cl. 367-143.000.
  - Myers, Wilbur J., 4,885,726, Cl. 367-142.000.
  - Page, Gary L., 4,852,324, Cl. 52-506.000.
  - Pober, Kenneth W., 4,817,721, Cl. 166-295.000.
  - Radd, Frederick J.; and Ferrell, Howard H., 4,833,915, Cl. 73-153.000.
  - Romine, Hugh E., 4,832,820, Cl. 208-39.000.
  - Seidner, David S., 4,856,584, Cl. 166-250.000.
  - Shupe, Russell D., 4,886,120, Cl. 166-274.000.
  - Stockinger, Michael P.; Tietema, James R.; and Bass, Lee S., 4,881,598, Cl. 166-250.000.
  - Ubels, Sibrand A.; and Baxter, Steven L., 4,881,566, Cl. 137-13.000.
  - Welch, Gary E.; Appel, Marvin R.; and Bittle, Jerry R., 4,886,354, Cl. 356-70.000.
  - Whitfill, Donald L.; Wolf, Nick O.; and Purkaple, Jerry D., 4,819,723, Cl. 166-248.000.
  - Wilson, Dennis R.; and Coffee, Robert L., 4,867,237, Cl. 166-250.000.
  - Wolf, Nicholas O.; Hudgins, Roger L.; and Seidner, David S., 4,853,119, Cl. 210-181.000.
- Conolly, Daniel D.: *See—*
  - Greenberg, Norman A.; Chandan, Ramesh C.; Deeslie, William D.; and Conolly, Daniel D., 4,840,813, Cl. 426-565.000.
- Conolly, Steven M., to Leland Stanford Junior University, The Board of Trustees of the. Method and means for magnetic resonance spin-echo imaging using an adiabatic three pi pulse sequence. 4,868,501, 9-19-89, Cl. 324-309.000.
- Conoscenti, Craig S.; Gandi, Robert A.; Meduri, Gianfranco U.; and Ostrowski, David S. Bronchoscopic balloon tipped catheter and method of making the same. 4,886,496, 12-12-89, Cl. 604-96.000.
- Conour, John F.: *See—*
  - Callies, Gerald A.; Albach, Eberhard R.; Conour, John F.; and Herrington, Richard A., 4,835,040, Cl. 428-215.000.
- Conover, George E.: *See—*
  - Frisby, Raymond A.; and Conover, George E., 4,887,931, Cl. 405-171.000.
- Conprinta Ltd.: *See—*
  - Lauber, Peter, 4,856,429, Cl. 101-486.000.
- Conrac Corporation: *See—*
  - Roberts, Frank D., 4,803,754, Cl. 16-49.000.
- Conrad, Bernhard; and Tresal, Gunther, to Siemens Aktiengesellschaft. Light guide optics. 4,801,188, 1-31-89, Cl. 350-96.100.
- Conrad, Bernhard: *See—*
  - Tresal, Guenther; and Conrad, Bernhard, 4,827,129, Cl. 250-327.200.
- Conrad, Ernst. Bran-gluten meat replacement product and meat products comprising same. 4,818,557, 4-4-89, Cl. 426-618.000.
- Conrad, George R., to General Electric Company. Bottle feeder. 4,830,251, 5-16-89, Cl. 215-10.000.
- Conrad, George R., to General Electric Company. Pet food container. 4,880,112, 11-14-89, Cl. 206-216.000.
- Conrad, George R., to General Electric Company. Beverage container and dispenser. 4,889,261, 12-26-89, Cl. 222-130.000.
- Conrad, Horst: *See—*
  - Franke, Heinrich; Conrad, Horst; and Schild, Wolfgang, 4,795,376, Cl. 439-715.000.
- Conrad, Jeffery P.: *See—*
  - Zupancic, Joseph J.; Frechet, Jean M. J.; Zweig, Andrew M.; and Conrad, Jeffery P., 4,816,498, Cl. 522-166.000.
- Conrad, Jeffrey P.: *See—*
  - Zupancic, Joseph J.; and Conrad, Jeffrey P., 4,804,721, Cl. 525-502.000.
  - Zupancic, Joseph J.; Conrad, Jeffrey P.; Wrezel, James A.; Zweig, Andrew M.; and Frechet, Jean M. J., 4,824,920, Cl. 525-534.000.
  - Zweig, Andrew M.; and Conrad, Jeffrey P., 4,871,831, Cl. 528-205.000.
- Conrad, Morgan P.; Reichert, Thomas A.; and Bezdek, James C., to Becton, Dickinson and Company. Method of displaying multi-parameter data sets to aid in the analysis of data characteristics. 4,845,65 7-4-89, Cl. 364-521.000.
- Conrad, Peter G., to Sobstad Sailmakers, Inc. Structural sail with improvements in leech area. 4,815,409, 3-28-89, Cl. 114-103.000.
- Conrad, Peter G., to Sobstad Sailmakers, Inc. Structural sails. 4,831,95 5-23-89, Cl. 114-103.000.
- Conrad, Rene A., to Dynapower Corporation. Conveyor tracking roller having helical guides with variable pitch. 4,822,186, 5-23-89, Cl. 198-840.000.
- Conrad, Richard J.: *See—*
  - Wassilak, Chester W.; and Conrad, Richard J., 4,821,535, Cl. 6 3.00R.
- Conrad Scholtz AG: *See—*
  - Nolte, Gunther, 4,865,182, Cl. 198-699.000.
- Conrad, Thomas W.: *See—*
  - Rofer, David; Hyzin, Peter J.; and Conrad, Thomas W., 4,812,12 Cl. 439-79.000.
- Conrad, Werner: *See—*
  - Doleschel, Walter; Doleschel, Walter N.; and Conrad, Werner, 4,880,913, Cl. 530-387.000.
- Conrads, Hermann-Josef, to Kraftwerk Union Aktiengesellschaft. Pressurized water reactors. 4,844,857, 7-4-89, Cl. 376-247.000.
- Conradsson, Ake, to Industriverktyg AB. Indicator device. 4,826,37 5-2-89, Cl. 409-218.000.
- Conradty GmbH & Co. Metalleletroden KG: *See—*
  - Koziol, Konrad; and Wenk, Erich, 4,814,055, Cl. 204-286.000.
- Conrardy, John E.: *See—*
  - Wollermann, Kenneth; Gudmestad, Ragnar; Kroening, Terry R.; and Conrardy, John E., 4,819,533, Cl. 83-154.000.
- Conrardy, Mary L.: *See—*
  - Wundrock, John A.; and Conrardy, Mary L., 4,852,201, Cl. 15-145.000.
- Conrath, Christian, to La Telemecanique Electrique. Adjustment and dialogue device more particularly for speed variators. 4,801,854, 1-31-89, Cl. 318-305.000.
- Conrey, Richard N.: *See—*
  - Landsman, Steve, 4,822,042, Cl. 273-73.00R.
- Conrotto, Paul A.: *See—*
  - Hebert, Raymond T.; and Conrotto, Paul A., 4,870,274, Cl. 250-236.000.

- Conroy, Francis; Flahavan, John; and Flahavan, Edward, to Food and Cereal Research Limited. Process for manufacturing a reconstitutable cereal. 4,874,624, 10-17-89, Cl. 426-457.000.
- Conroy, Gary M., to Morton Thiokol, Inc. Stabilizers for rigid halogen-containing organic polymers comprising a primary heat stabilizer and an ester of a polyhydrocarbyl ether glycol. 4,839,409, 6-13-89, Cl. 524-179.000.
- Conroy, Joseph L.: *See—*
  - Ferguson, Kenneth H.; Gatlin, Bobby J.; Real, Philip; Conroy, Joseph L.; and Ehrman, James P., 4,816,833, Cl. 342-95.000.
- Conroy, Paul M.: *See—*
  - Campbell, John R.; Williams, Robert E., Jr.; Brown, Sterling B.; Conroy, Paul M.; and Florence, Robert A., 4,840,982, Cl. 524-151.000.
- Conroy, Peter J., to United Kingdom Atomic Energy Authority. Temperature measurement. 4,876,059, 10-24-89, Cl. 376-247.000.
- Conroy, Thomas J.; and Graham, Martin H., to Autoseq, Inc. Apparatus and method of analyzing nucleic acid molecules. 4,870,004, 9-26-89, Cl. 435-6.000.
- Conry, Ronald D., to Multistack, Inc. Modular refrigeration system. 4,852,362, 8-1-89, Cl. 62-175.000.
- Consani Engineering (PTY) Ltd.: *See—*
  - Upsher, Stanley M.; and Essop, Sulaiman, 4,813,567, Cl. 220-5.00A.
- Conseil National de Recherches du Canada: *See—*
  - Bock, Wojtek; and Chrostowski, Jacek, 4,883,336, Cl. 350-96.200.
- Conser, Richard E.: *See—*
  - Vora, Bipin V.; Pujado, Peter R.; and Conser, Richard E., 4,816,607, Cl. 568-697.000.
- Conservatome: *See—*
  - Bergeret, Marcel; Pellerin, Daniel; Rochette, Vincent; and Rubert, Andre, 4,852,136, Cl. 378-69.000.
- Conserve, Inc.: *See—*
  - Harris, Kenneth J., 4,852,366, Cl. 62-238.600.
- Considine, Richard, to Original Lincoln Logs Ltd., The. Structural wall panel, method of manufacture and assembly system for a housing unit. 4,841,710, 6-27-89, Cl. 52-741.000.
- Considine, Richard, to Original Lincoln Logs Ltd., The. Method of manufacture and assembly system for a structural wall panel. 4,842,669, 6-27-89, Cl. 156-288.000.
- Considine, William H., to Stonefield Systems Plc. Data processing arrays and a method of producing them. 4,800,383, 1-24-89, Cl. 340-825.790.
- Consiglio Nazionale Delle Ricerche: *See—*
  - Bertini, Vincenzo; De Munno, Angela; Lucchesini, Francesco; Buffoni, Franca; and Bertocci, Barbara, 4,888,283, Cl. 435-184.000.
  - Bornengo, Giorgio; Carlini, Filippo M.; Marabini, Anna; and Alesse, Vittorio, 4,851,037, Cl. 75-2.000.
  - Brufani, Mario; Castellano, Claudio; Marta, Maurizio; Oliverio, Alberto; Pavone, Flaminia; and Pomponi, Massimo, 4,831,155, Cl. 548-429.000.
  - Casa, Fausto; Mendichi, Raniero; and Bassi, Angelo C., 4,824,620, Cl. 264-40.100.
  - Degani, Iacopo; Fochi, Rita; and Regondi, Valeria, 4,868,322, Cl. 558-243.000.
  - Muzzarelli, Riccardo, 4,835,265, Cl. 536-18.700.
  - Santi, Roberto; Cometti, Giuseppe; and Pagani, Anselmo, 4,812,592, Cl. 560-180.000.
  - Sottini, Stefano; Russo, Vera; Crea, Filippo; and Margheri, Giancarlo, 4,842,390, Cl. 350-96.150.
- Consilium Materials Handling Marine AB: *See—*
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- Consolication Coal Company: *See—*
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- Consolidated Ceramic Products, Inc.: *See—*
  - Johnson, Howard B., 4,869,468, Cl. 266-44.000.
- Consolidated Chemical & Consulting Co.: *See—*
  - Wyman, John E., 4,855,079, Cl. 252-62.520.
- Consolidated Controls Corporation: *See—*
  - Standke, Helmut, 4,802,621, Cl. 236-93.00R.
  - Walker, Frederick J., 4,798,951, Cl. 250-227.000.
- Consolidated Devices Inc.: *See—*
  - Grabovac, Bosko; and Kurtovic, Zlatko, 4,802,540, Cl. 177-211.000.
  - Grabovac, Bosko, 4,805,464, Cl. 73-862.260.
  - Grabovac, Bosko; and Kurtovic, Jadranka, 4,852,386, Cl. 73-1.00C.
- Consolidated Engineering and Manufacturing Corp.: *See—*
  - White, Gorman W., Sr., 4,827,841, Cl. 101-66.000.
- Consolidated Environmental Technologies Limited: *See—*
  - Copeou, Alexander G., 4,815,894, Cl. 405-128.000.
- Consolidated Industrial Corporation: *See—*
  - Church, Claire; and Clarke, Ronald D., 4,829,630, Cl. 16-93.00R.
- Consolidated International Automotive, Inc.: *See—*
  - Plumer, Mark J., 4,870,842, Cl. 70-232.000.
- Consolidated Natural Gas Service Company, Inc.: *See—*
  - Bjerklie, John W., 4,850,862, Cl. 432-182.000.
  - Breen, Bernard P.; Gabrielson, James E.; and Pohl, John H., 4,848,251, Cl. 110-347.000.
  - Swenson, Paul F., 4,831,830, Cl. 62-59.000.
- Consolidated Papers, Inc.: *See—*
  - Damrau, Wayne A., 4,859,507, Cl. 427-356.000.
  - Gabrys, Ronald B., 4,846,374, Cl. 222-153.000.
  - Williams, Donald H., 4,806,183, Cl. 156-64.000.
- Consolidated Rail Corporation: *See—*
  - Myers, Larry F.; Tharp, Douglas B.; and Holl, Ralph H., 4,878,437, Cl. 105-451.000.
- Consolidated Systems, Inc.: *See—*
  - Stohs, Larry A., 4,837,994, Cl. 52-221.000.
  - Stohs, Larry A., 4,845,908, Cl. 52-221.000.
- Consolidated Technologies, Corp.: *See—*
  - St. Louis, Paul T.; and Welch, Charles L., 4,836,741, Cl. 414-723.000.
  - St. Louis, Paul T.; and Welch, Charles L., 4,844,513, Cl. 285-39.000.
- Consolidation Coal Company: *See—*
  - Bessinger, Stephen L.; and Nelson, Michael G., 4,884,847, Cl. 299-1.000.
  - Doerr, Richard E.; and McCormick, Thomas W., 4,817,786, Cl. 198-834.000.
  - El-Saie, Ahmed A., 4,834,783, Cl. 55-176.000.
  - El-Saie, Ahmed A., 4,836,611, Cl. 299-7.000.
  - Fonseca, Anthony G., 4,810,371, Cl. 209-166.000.
  - Nelson, Michael G.; and Oblad, Hayward B., 4,797,550, Cl. 250-227.000.
  - Oblad, Hayward B.; Nelson, Michael G.; and Sandbrook, Thomas D., 4,797,559, Cl. 250-227.000.
  - Shrader, Samuel E.; Singleton, Peter F.; Young, William G.; and Kaminsky, Robert, 4,865,390, Cl. 299-11.000.
  - Wasson, George E., 4,830,637, Cl. 44-550.000.
- Consonni, Pietro: *See—*
  - Omodei-Sale, Amedeo; Consonni, Pietro; and Galliani, Giulio, 4,888,350, Cl. 514-384.000.
- Consortium fur Elektrochemische Industrie GmbH: *See—*
  - Friedrich, Wilhelm; Gebauer, Helmut; Hafner, Walter; and Regiert, Marlies, 4,849,401, Cl. 512-25.000.
  - Gebauer, Helmut; and Kreuzer, Franz-Heinrich, 4,842,853, Cl. 424-76.100.
  - Grill, Erwin; Winnacker, Ernst-Ludwig; and Zenk, Meinhart H., 4,883,861, Cl. 530-326.000.
  - Kreuzer, Franz-Heinrich; and Gebauer, Helmut, 4,863,723, Cl. 424-76.400.
  - Schmid, Gerhard; and Eberle, Hans-Jurgen, 4,822,874, Cl. 536-102.000.
- Constable, Alan: *See—*
  - Wright, Peter; Hinton, Alan; Constable, Alan; Moran, Charles; and Smith, Martin, 4,869,664, Cl. 431-328.000.
- Constansa, Jordi F.; Pinol, Augusto C.; and Corominas, Juan P., to Provesan S.A. Process for the preparation of oxazinobenzothiazine 6,6-dioxide derivatives. 4,797,482, 1-10-89, Cl. 544-33.000.
- Constant, Bernard: *See—*
  - Bergerioux, Jean-Marcel; Pavie, Claude; Plent, Christian; and Constant, Bernard, 4,870,799, Cl. 53-55.000.
- Constant, Didier; and Gutmann, Gilbert, to Cegedur Societe de Transformation de l'Aluminium Pechiney. Weldable aluminum alloy workable into sheet form and process for its production. 4,814,022, 3-21-89, Cl. 148-2.000.
- Constant, James N. Holographic identification system using incoherent light. 4,820,006, 4-11-89, Cl. 350-3.850.
- Constant, Odile: *See—*
  - Vinot, Bernard; and Constant, Odile, 4,878,711, Cl. 299-9.000.
- Constant, W. David; Wolcott, Joanne M.; and Cambridge, Vivian J., to Louisiana State University. Method and apparatus for measuring fluid-fluid interfacial rheological properties. 4,884,437, 12-5-89, Cl. 73-54.000.
- Constantin, Daniel, to L'Oreal. Device intended for testing the mechanical strength of pressurized containers in a hot condition. 4,836,013, 6-6-89, Cl. 73-41.000.
- Constantinescu, Teodor E.: *See—*
  - Warrin, George E.; Perdreaux, Rene J.; Paschke, Richard H.; Constantinescu, Teodor E.; and McGill, Robert, 4,820,152, Cl. 433-86.000.
- Constantino, Cynthia L. Upright baby-nipple sanitizer. 4,836,392, 6-6-89, Cl. 211-181.000.
- Constantino, Umberto: *See—*
  - Alberti, Giulio; Bartoli, Francesco; Constantino, Umberto; Di Gregorio, Francesco; and Valentini, Claudio, 4,826,663, Cl. 423-157.000.
- Constantz, Brent R., to Norian Corporation. In situ calcium phosphate minerals—method and composition. 4,880,610, 11-14-89, Cl. 423-305.000.
- Constien, Vernon G.; and Brannon, Harold D., to Dowell Schlumberger Incorporated. Method of hydrating oil based fracturing concentrate and continuous fracturing process using same. 4,828,034, 5-9-89, Cl. 166-308.000.
- Conston, Stanley R.: *See—*
  - Yamamoto, Ronald; Conston, Stanley R.; and Pesotchinsky, Sophia, 4,856,504, Cl. 128-92.0ZW.
- Construcciones Mecanicas AGMI, S.A.: *See—*
  - Vinas I Nogueroles, Jose M., 4,877,632, Cl. 426-502.000.
- Construction Fasteners, Inc.: *See—*
  - Hulsey, Tommy R., 4,816,346, Cl. 428-582.000.
- Construction Forms, Inc.: *See—*
  - Klemm, Robert E.; and Lehnhardt, Gary D., 4,796,814, Cl. 239-430.000.
- Construction Products Research, Inc.: *See—*
  - Babcock, Warner K.; and Ruefenacht, David A., 4,849,018, Cl. 106-104.000.
- Construction Specialties, Inc.: *See—*
  - Shreiner, Thomas A.; Vincent, William W.; and Olsen, Robert W., 4,866,896, Cl. 52-235.000.
  - Shreiner, Thomas A., 4,877,672, Cl. 428-156.000.

Construction Technology, Inc.: *See—*
Livingston, Johnston R.; and St. Louis, Paul T., 4,813,163, Cl. 37-103.000.
Constructions Metalliques Ardechoises CMA: *See—*
Mouraret, Guy; and Gleyze, Jean, 4,829,688, Cl. 40-622.000.
Constructions Navales et Industrielles de la Mediterranee: *See—*
Bernard, Jean; and Brunet, Roger, 4,853,998, Cl. 14-2.400.
Dequenes, Pierre; and Franceschi, Jean C., 4,817,492, Cl. 89-1.800.
Durand, Jean-Pierre; Labrot, Maxime; Truc, Joel; and Valy, Yves, 4,831,944, Cl. 110-346.000.
Orquera, Henri; and Jennequin, Gerard, 4,878,416, Cl. 89-1.810.
Construzioni Meccaniche Manea S.r.l.: *See—*
Manea, Giovanni, 4,848,415, Cl. 139-434.000.
Consumer Care Products Incorporated: *See—*
Grall, Terrand B., 4,848,833, Cl. 297-162.000.
Consumers Glass Company Limited: *See—*
Mancini, Derek V., 4,819,413, Cl. 53-478.000.
Conta, Renato; Rocchi, Remo; and Scardovi, Alessandro, to Ing. C. Olivetti & C., S.p.A. Manufacture of tubular elements for ink jet printers. 4,834,637, 5-30-89, Cl. 425-110.000.
Contact Systems, Inc.: *See—*
Mims, Bruce L., 4,846,620, Cl. 414-273.000.
Container Corporation of America: *See—*
Everman, Wayne F.; Klug, Randy J.; and Russell, Raymond L., 4,798,571, Cl. 493-114.000.
Everman, Wayne F., 4,872,493, Cl. 141-59.000.
Hart, Joseph J., 4,801,774, Cl. 219-10.55E.
Hart, Joseph J., 4,826,072, Cl. 229-104.000.
Hart, Joseph J., 4,836,439, Cl. 229-104.000.
Hart, Joseph J.; and Springman, Christine S., 4,883,176, Cl. 206-387.000.
Keefe, Walter D.; and Pomplin, John A., 4,809,208, Cl. 229-150.000.
Knight, Onis A., Jr., 4,830,282, Cl. 229-135.000.
Murray, Lowell C.; and Wyss, Frederick, 4,854,474, Cl. 220-462.000.
Murray, Lowell C.; and Wyss, Frederick, 4,867,374, Cl. 229-110.000.
Russell, Raymond L., 4,854,353, Cl. 141-74.000.
Container Design Limited: *See—*
Fossey, Robin E., 4,809,873, Cl. 220-324.000.
Fossey, Robin E., 4,882,912, Cl. 2-297.000.
Container Strapping, Inc.: *See—*
Austin, Robert C., 4,877,568, Cl. 264-211.210.
Contal, Maurice: *See—*
Fournier, Bernard; Contal, Maurice; and Vergez, Andre, 4,803,587, Cl. 361-24.000.
Contamin, Pierre: *See—*
Comera, Jean; Contamin, Pierre; Favier, Jean-Jacques; and Marquet, Guy, 4,797,174, Cl. 156-616.100.
Contardo, Remo: *See—*
Debortoli, George; Contardo, Remo; and Despault, Paul R., 4,826,449, Cl. 439-411.000.
Contartese, Giulio; and Batlle, Alain, to Societe anonyme dite: Alcatel Thomson Espace. Cycle-controlled power converter. 4,862,057, 8-29-89, Cl. 323-285.000.
Contat, Bernard, to Etablissements Contat Freres (S.A.). Snap-hook, primarily for rock-climbing, and its process of manufacture. 4,835,823, 6-6-89, Cl. 24-234.000.
Conte, Garibaldi; Guglielmo, Mario; and Oliveri, Fabrizio, to CSELT-Centro Studi e Laboratori Telecomunicazioni S.p.A. Method of and system for digital signal coding by vector quantization. 4,807,298, 2-21-89, Cl. 382-56.000.
Conte, John R. Cigarette-lighter holder. 4,852,729, 8-1-89, Cl. 206-86.000.
Conte, Lino: *See—*
Guglielmo, Giorgio; Conte, Lino; and Carlini, Filippo M., 4,827,024, Cl. 560-300.000.
Conte, Robert. Snelled fishhook case. 4,862,635, 9-5-89, Cl. 43-57.100.
Conte, Ubaldo; La Manna, Aldo; and Colombo, Paolo, to Pharmidea. Tablet for pharmaceutical use able to release active substances at successive times. 4,865,849, 9-12-89, Cl. 424-466.000.
Conte, Ubaldo: *See—*
Colombo, Paolo; La Manna, Aldo; and Conte, Ubaldo, 4,839,177, Cl. 424-482.000.
Contech Construction Products Inc.: *See—*
Brinegar, O'Dell, 4,865,357, Cl. 285-55.000.
Drossbach, Hubert M., 4,846,660, Cl. 425-503.000.
Contel Corporation: *See—*
House, Charles E., 4,796,232, Cl. 365-189.000.
Contel Information Systems, Inc.: *See—*
Florea, Michael; Foster, Stephen C.; and Bisaga, Gary J., 4,800,559, Cl. 370-94.000.
Contempo Products, P. Herrli: *See—*
Herrli, Peter, 4,889,527, Cl. 604-29.000.
Conterno, Bruno: *See—*
Barbagelata, Giuseppe; Conterno, Bruno; Luperini, Vildo; Perroni, Enrico; Pesce, Fernando; and Pugliese, Osvaldo, 4,814,970, Cl. 364-200.000.
Contestable, Paul B.: *See—*
Snyder, Brian A.; and Contestable, Paul B., 4,808,524, Cl. 435-36.000.
Conti, Calogero; Meyer, Jean-Luc; Netter, Pierre; and Riquet, Jean-Pierre, to Aluminium Pechiney. Process for separating the inclusions contained in a bath of molten metal, by filtration. 4,837,385, 6-6-89, Cl. 210-695.000.
Conti Complett S.p.A: *See—*
Conti, Roberto, 4,875,423, Cl. 112-438.000.
Conti, Franco; and Marinoni, Vito, to Establissement Texcontor. Chitosan derivatives in the form of coordinated complexes with ferrous ions. 4,810,695, 3-7-89, Cl. 514-55.000.
Conti, Franco, to Establissement Texcontor. Methylated chitosans and their use for the preparation of pharmaceutical compositions. 4,826,826, 5-2-89, Cl. 514-55.000.
Conti, Maria-Louisa: *See—*
Bardy, Andre; Conti, Maria-Louisa; Courtieu, Jacques; Mathieu, Evelyne; and Grzyb, Joelle, 4,804,529, Cl. 424-9.000.
Conti, Marisa: *See—*
Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, 4,879,311, Cl. 514-533.000.
Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, 4,886,791, Cl. 514-100.000.
Conti-Ramsden, John N.; Powell, Richard L.; Young, Brian D.; Farrar, Jeffrey; and Brown, Debra K., to Imperial Chemical Industries PLC Fluorocopolymer compositions. 4,877,839, 10-31-89, Cl. 525-200.000.
Conti, Richard, to Electro-Nite Company. Two temperature measuring probe. 4,842,418, 6-27-89, Cl. 374-139.000.
Conti, Rino: *See—*
Miselli, Carlo A.; and Conti, Rino, 4,854,930, Cl. 493-315.000.
Newton, Brian L.; Conti, Rino; and Wolff, Martin J., 4,826,120, Cl. 248-221.400.
Conti, Roberto, to Conti Complett S.p.A. Overedge stitch seam. 4,875,423, 10-24-89, Cl. 112-438.000.
Conti, Vincent N., to American Safety Closure Corp. Process of removing a plastic cap from a mold. 4,806,301, 2-21-89, Cl. 264-334.000.
Conti, William S. Remote transmitter kit. 4,847,601, 7-11-89, Cl. 341-176.000.
Contiero, Claudio: *See—*
Bertotti, Franco; Cini, Carlo; Contiero, Claudio; and Galbiati, Paola, 4,887,142, Cl. 357-43.000.
Continental Aktiengesellschaft: *See—*
Bebermeier, Jurgen; Fischer, Werner; Heitzig, Jurgen; and Eberhard, Gunter, 4,811,934, Cl. 267-140.100.
Eberhard, Gunter; and Heitzig, Jurgen, 4,830,346, Cl. 267-140.100.
Engst, Wilhelm, 4,809,845, Cl. 198-819.000.
Flebbe, Werner, 4,843,871, Cl. 73-146.000.
Frerichs, Udo; and Rach, Heinz-Dieter, 4,825,924, Cl. 152-540.000.
Frerichs, Udo; Boltze, Carsten; Rach, Heinz-Dieter; and Kloe, Hans-Ulrich, 4,865,532, Cl. 425-11.000.
Haack, Dietmar, 4,841,766, Cl. 73-146.000.
Hermann, Dietmar; and Bethge, Michael, 4,870,783, Cl. 49-477.000.
Huinink, Heinrich; Frerichs, Udo; and Poque, Dionysius, 4,794,970, Cl. 152-158.000.
Muller, Friedhelm; and Ruthenberg, Klaus, 4,877,328, Cl. 366-76.000.
Seitz, Hans; Rach, Heinz-Dieter; Pieper, Henner; and Frerichs, Udo, 4,850,411, Cl. 152-379.300.
Continental Bondware, Inc.: *See—*
Fear, Robert E., 4,805,775, Cl. 206-459.000.
Continental Brokers and Consultants, Inc.: *See—*
Jolliff, Daniel; Hahn, Michael W.; and Oldham, Dean C., 4,854,59 Cl. 273-138.00A.
Continental Can Company, Inc.: *See—*
Arends, Craig W.; and Lam, Robert, 4,827,696, Cl. 53-432.000.
Guss, Theodore; and Fu, Sing, 4,863,071, Cl. 222-207.000.
Hekal, Ihab M., 4,857,343, Cl. 426-239.000.
Kubis, Charles S.; and Walter, John, 4,834,259, Cl. 220-359.000.
Kubis, Charles S.; and Walter, John, 4,848,060, Cl. 53-308.000.
Kubis, Charles S.; and Walter, John, 4,863,011, Cl. 198-705.000.
Mohr, Glenn R.; and Roth, Donald J., 4,853,510, Cl. 219-10.790.
Newman, Frederick C.; and Marsella, Louis J., 4,810,541, Cl. 428-36.700.
Newman, Frederick C.; and Marsella, Louis J., 4,879,147, Cl. 428-35.000.
Walter, John, 4,830,048, Cl. 137-560.000.
Walter, John, 4,836,359, Cl. 198-803.010.
Walter, John, 4,877,054, Cl. 137-560.000.
Continental Coach Ltd.: *See—*
Buday, John M., 4,848,831, Cl. 296-165.000.
Continental Colloids, Inc.: *See—*
Bielskis, Edward; Leo, Albert J.; and Zeien, Jane K., 4,859,484, Cl. 426-573.000.
Continental Engineering Co., Inc.: *See—*
Man, Henry H., 4,889,040, Cl. 98-121.200.
Continental Grain Company: *See—*
Hartsuiker, Hendrik; and Knapp, Dorcel W., 4,799,584, Cl. 198-709.000.
Continental Group, Inc., The: *See—*
Clark, Richard E., 4,796,766, Cl. 215-1.00C.
Mahaffy, John W., 4,799,723, Cl. 294-87.200.
Continental Industries, Inc.: *See—*
Dosmann, Thomas R., 4,884,497, Cl. 98-40.130.
Continental Machines, Inc.: *See—*
Coleman, Lawrence B., 4,886,091, Cl. 137-625.650.
Continental Manufacturing & Sales Inc.: *See—*
Pohoreski, Anton P., 4,882,069, Cl. 210-713.000.
Continental/Midland, Inc.: *See—*
Gottlieb, Alfred; and Wirtes, Joseph B., 4,830,252, Cl. 227-8.000.
Continental PET Technologies, Inc.: *See—*
Collette, Wayne N.; Piccioli, David P.; and Krishnakumar, Suppayan M., 4,847,129, Cl. 428-35.700.

Collette, Wayne N.; Krishnakumar, Suppayan M.; and Piccioli, David P., 4,863,046, Cl. 215-1.00C.
Collette, Wayne N.; and Krishnakumar, Suppayan M., 4,889,247, Cl. 215-1.00C.
Continental Plastic Containers, Inc.: *See—*
Blomquist, Leonard A., 4,878,823, Cl. 425-116.000.
Continental Plastics, Inc.: *See—*
Dutt, Herbert V., 4,844,272, Cl. 215-232.000.
Dutt, Herbert V.; and Lewis, Duane H., 4,856,665, Cl. 215-252.000.
Lewis, Duane H., 4,823,995, Cl. 222-545.000.
Continental White Cap, Inc.: *See—*
Begley, Douglas G., 4,796,770, Cl. 215-252.000.
Begley, Douglas G., 4,801,029, Cl. 215-250.000.
Begley, Douglas G., 4,805,791, Cl. 215-252.000.
Begley, Douglas G., 4,813,560, Cl. 215-235.000.
Begley, Douglas G., 4,813,562, Cl. 215-252.000.
Lecinski, Frank H., Jr., 4,805,792, Cl. 215-253.000.
Continuous Concrete Casting PTY. Limited: *See—*
Camelleri, Paul, 4,843,742, Cl. 37-90.000.
Continuous Graphics, Inc.: *See—*
McAnelly, Jan A.; and Joiner, Joseph, 4,842,260, Cl. 270-52.000.
Contos, Simos, to Istituto Biochimico Sperimentale Ibis S.P.A. Analgesic and antiinflammatory pharmaceutical composition containing a naphthyl-acetic acid derivative. 4,888,359, 12-19-89, Cl. 514-569.000.
Contour Hardening Investors, Ltd.: *See—*
Storm, John M.; and Chaplin, Michael R., 4,845,328, Cl. 219-10.590.
Contour, Inc.: *See—*
Moglianesi, Carlos J.; Falco, Mark; and Peoples, Leslie, 4,847,936, Cl. 15-167.100.
Contractor Tool and Equipment Textron Inc.: *See—*
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Contrafatto, Guido: *See—*
Puozzo, Luciano; Contrafatto, Guido; and Gay, Paolo, 4,808,791, Cl. 219-121.780.
Puozzo, Luciano; Contrafatto, Guido; and Gay, Paolo, 4,851,637, Cl. 219-121.780.
Contraves AG: *See—*
Kern, Heiner; and Heller, Rudolf, 4,865,084, Cl. 139-449.000.
Contraves Italiana S.p.A.: *See—*
Grattarola, Maurizuo; and Stella, Domenico, 4,884,464, Cl. 74-50.000.
Contreras, Joseph P., Sr. Compact with removable and replaceable storage tray. 4,863,034, 9-5-89, Cl. 206-581.000.
Control Chemicals (Proprietary) Limited: *See—*
Buchan, Leon, 4,842,729, Cl. 210-198.100.
Control Data Canada Limited: *See—*
Maki, Melvin C.; and Feller, Walter J., 4,879,544, Cl. 340-552.000.
Maki, Melvin C.; Feller, Walter J.; and Adams, Edward L., 4,887,069, Cl. 340-552.000.
Control Data Corporation: *See—*
Daane, Don A., 4,847,800, Cl. 364-717.000.
Fourdraine, John D., 4,845,741, Cl. 379-98.000.
Langner, Guenther O.; and Harte, Kenneth J., 4,820,927, Cl. 250-492.200.
McKenna, William J.; Silvers, Kenneth W.; Nickerson, Rand B.; Welsh, Russell J.; Walker, Harold R.; Cullity, Joseph A.; and Stryzak, Bohdan, 4,816,904, Cl. 358-84.000.
Nay, Daniel L.; Korn, Darryl K.; and Ralph, John T., 4,878,197, Cl. 364-900.000.
Pai, Deepak K.; Julik, Michael J.; and Fluhrer, Robert W., 4,827,611, Cl. 29-843.000.
Pombrio, Philip R., Jr., 4,879,672, Cl. 364-566.000.
Teske, Judy L.; Borchers, Brian D.; Daane, Don A.; Baxter, Daniel J.; and Ehrich, William G., 4,860,288, Cl. 371-1.000.
Control Logic (Proprietary) Limited: *See—*
Ceine, David H., 4,857,828, Cl. 324-61.00R.
Control Module Inc.: *See—*
Bianco, James S.; Darcy, Emile; and Drummond, Bernard, 4,816,659, Cl. 235-462.000.
Controlled Release Technologies, Inc.: *See—*
Tran, Loi H., 4,822,339, Cl. 604-82.000.
Tran, Loi H., 4,842,598, Cl. 604-891.100.
Tran, Loi H., 4,871,352, Cl. 604-82.000.
Contu, Salvatore: *See—*
Bielli, Paolo; Bresciani, Daniele; Contu, Salvatore; and Cocito, Giuseppe, 4,835,087, Cl. 430-313.000.
Convault, Inc.: *See—*
Lindquist, Thomas R.; and Bambacigno, Ralph, 4,826,644, Cl. 264-71.000.
Convergent Technologies: *See—*
Lowenthal, Richard W.; Reeber, Larke E.; Hoffman, Drew S.; and Ramsay, Michael, 4,800,380, Cl. 340-750.000.
Converse, Alvin O.; Grethlein, Hans E.; and Holland, Joseph E., to United States of America, Energy. Cyclone reactor. 4,818,295, 4-4-89, Cl. 127-1.000.
Converse Inc.: *See—*
Franklin, Craig A.; Parracho, Rui M.; Smith, Lloyd S.; Bunch, Richard P.; Boys, Jack A., II; Gross, Alexander L.; and Pagluiso, Robert W., 4,794,707, Cl. 36-107.000.
Converse, Merle E.: *See—*
Peel, H. Herbert; Converse, Merle E.; McGinnis, William H.; Shirley, Donald J.; and Prudhomme, John P., 4,803,996, Cl. 128-710.000.
Convert, Guy: *See—*
Azam, Guy; Convert, Guy; Cosset, Jean M.; Dufour, Jacques; and Mabire, Jean P., 4,821,725, Cl. 128-420.00A.
Convex Computer Corporation: *See—*
Chastain, David M.; and Gostin, Gary B., 4,812,972, Cl. 364-200.000.
Dozier, Harold W.; Jones, Thomas M.; Wallach, Steven J.; and Gruger, Jeffrey H., 4,809,171, Cl. 364-200.000.
Gant, Alan D.; Nobles, David A.; Jones, Thomas M.; and Kimmel, Arthur T., 4,868,742, Cl. 364-200.000.
Harris, Michael C.; Chastain, David M; and Gostin, Gary B., 4,873,629, Cl. 364-200.000.
Weatherford, James R.; and Kimmel, Arthur T., 4,884,191, Cl. 364-200.000.
Conveyor Units Limited: *See—*
Toye, Edward W.; Bowen, Leslie, deceased; Bowen, Janet R., legal representative; and Danks, Walter L., legal representative, 4,842,129, Cl. 198-790.000.
Convotherm Elektrogerate GmbH: *See—*
Schwarzbacker, Werner, 4,884,553, Cl. 126-20.000.
Conway, David D., to Marathon Oil Company. Solar enhanced separation of volatile components from a liquid. 4,853,088, 8-1-89, Cl. 203-10.000.
Conway, David W., to Norand Corporation. Universal power supply, independent converter stages for respective hardware components of a computerized system. 4,890,217, 12-26-89, Cl. 363-143.000.
Conway Engineering, Inc.: *See—*
Fields, Gary C.; and Stamos, Mark E., 4,839,916, Cl. 379-13.000.
Conway, Gerald A.: *See—*
Schott, David B.; Kump, Danny J.; and Conway, Gerald A., 4,860,905, Cl. 211-59.100.
Conway, Jean M.; and McInnes, Peter R., to Advanced Cardiovascular Systems, Inc. Steerable perfusion dilatation catheter. 4,877,031, 10-31-89, Cl. 128-344.000.
Conway, John K.: *See—*
Fanshawe, Hew D.; and Conway, John K., 4,813,461, Cl. 141-4.000.
Conway, John W.; Farrell, Robert J.; Hirtle, Allen C.; and Niessen, Leonard E., to Bull HN Information Systems Inc. Controller for controlling multiple LAN types. 4,831,620, 5-16-89, Cl. 370-85.000.
Conway, Kevin, to Prab Robots, Inc. Material-handling apparatus. 4,805,949, 2-21-89, Cl. 294-61.000.
Conway, Larry J.; Pulsifer, Paul I.; and Cornish, William D., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Wide band, complex microwave waveform receiver and analyzer, using distributed sampling techniques. 4,866,441, 9-12-89, Cl. 341-122.000.
Conway, Mark M.: *See—*
Stevens, Rex R.; and Conway, Mark M., 4,831,060, Cl. 518-714.000.
Conway, Michael R.: *See—*
Toth, Laszlo; and Conway, Michael R., 4,795,494, Cl. 127-48.000.
Conway, Robert. Anti-theft device for motor vehicles. 4,881,615, 11-21-89, Cl. 180-287.000.
Conway, Thomas G., to United States of America, Army. Production line emissivity measurement system. 4,884,896, 12-5-89, Cl. 374-9.000.
Conway, Timothy F.: *See—*
Ott, Edward L.; Conway, Timothy F.; and Kubala, Thomas S., 4,883,195, Cl. 220-339.000.
Conway, Wallace R., to United States of America, Army. Apparatus for suppressing infrared radiation emitted from gas turbine engines. 4,800,715, 1-31-89, Cl. 60-39.500.
Conwell, Peter R., to Unisys Corporation. Special purpose neurocomputer system for solving optimization problems. 4,858,147, 8-15-89, Cl. 364-513.000.
Conzelmann, Gerhard; and Nagel, Karl, to Robert Bosch GmbH. Monolithic integrated semiconductor means to reduce power dissipation of a parasitic transistor. 4,829,360, 5-9-89, Cl. 357-46.000.
Conzemius, Robert J., to Iowa State University Research Foundation, Inc. Characterization of compounds by time-of-flight measurement utilizing random fast ions. 4,818,862, 4-4-89, Cl. 250-287.000.
Coody, Bruce F.: *See—*
Lucas, James F.; and Coody, Bruce F., 4,880,225, Cl. 272-73.000.
Coogan, Richard G., to Polyvinyl Chemicals Inc. Coating compositions. 4,801,644, 1-31-89, Cl. 524-839.000.
Coogan, Ronald S., to UNISYS Corporation. Peripheral-controller for multiple disk drive modules having different protocols and operating conditions. 4,805,090, 2-14-89, Cl. 364-200.000.
Coogan, Ronald S., to Unisys Corporation. Self-testing peripheral-controller system. 4,885,683, 12-5-89, Cl. 364-200.000.
Cook, Alex; and Lents, Charles E., to Sundstrand Corporation. Cooling technique for compact electronics inverter. 4,805,691, 2-21-89, Cl. 165-104.330.
Cook, Alex; and Shekhawat, Sampat S., to Sundstrand Corporation. DC to DC power converter. 4,811,185, 3-7-89, Cl. 365-17.000.
Cook, Alexander, to Sundstrand Corporation. Filter for variable speed, constant frequency electrical system. 4,862,341, 8-29-89, Cl. 363-37.000.
Cook, Alexander; and Barnet, Robert, to Sundstrand Corporation. Regulated transformer rectifier unit. 4,866,591, 9-12-89, Cl. 363-67.000.
Cook, Andre; and Chamot, Jean P., to Procedes Vernet. Apparatus for controlling the flow of cooling fluid in an engine. 4,875,437, 10-24-89, Cl. 123-411.000.
Cook, Barry; Richardson, Norman; and Tames, Joseph, to Ciba-Geigy Corporation. Systems inhibited against corrosion and/or scale deposition. 4,828,795, 5-9-89, Cl. 422-15.000.
Cook Bates Company, The: *See—*
Barchas, Myron, 4,813,976, Cl. 51-293.000.

Cook, Benjamin H., Jr., to Melles Griot San Marcos Company. Apparatus and method for suppressing diffraction rings in a laser. 4,827,484, 5-2-89, Cl. 372-61.000.

Cook, Benjamin H., Jr., to Melles Griot San Marcos Company. Apparatus and method for suppressing diffraction rings in a laser. 4,873,693, 10-10-89, Cl. 372-33.000.

Cook, Bernard L., to Standard Products Company, The. Trim strip with three-dimensional markings. 4,826,713, 5-2-89, Cl. 428-31.000.

Cook, Brian E.; and Keen, Ralph S., to Texas Instruments Incorporated. Topside substrate contact in a trenched semiconductor structure and method of fabrication. 4,887,144, 12-12-89, Cl. 357-50.000.

Cook, C. Edgar; Tallent. C. Ray; Reel, Jerry R.; and Wani, Mansukh C., to Research Triangle Institute. 17 α-(substituted-methyl)-17β-hydroxy/esterified hydroxy steroids and their progestational use. 4,861,763, 8-29-89, Cl. 514-172.000.

Cook, Charles E.: *See—*

Teijido, Joseph A.; Cook, Charles E.; and Roe, Dennis M., 4,843,803, Cl. 56-14.600.

Tompkins, John C.; and Cook, Charles E., 4,857,820, Cl. 320-2.000.

Cook, Charles F.: *See—*

Eastman, Alan D.; Guillory, Jack P.; Cook, Charles F.; and Kimble, James B., 4,835,127, Cl. 502-213.000.

Cook, Charles R., Jr.: *See—*

Lee, Ki W.; and Cook, Charles R., Jr., 4,884,443, Cl. 73-204.160.

Cook, Charles S., to Westinghouse Electric Corp. Pilger die for tubing production 4,819,471, 4-11-89, Cl. 72-214.000.

Cook, Clem H.: *See—*

Arnold, Claude M.; and Cook, Clem H., 4,794,723, Cl. 43-55.000.

Cook, David K., and Cook, Keith V. Single arm backhoe. 4,808,061, 2-28-89, Cl. 414-695.700.

Cook, Erick M.; Phelps, Andrew E.; and Potash, Hanan, to Scientific Computer Systems Corporation. Linking scalar results directly to scalar operation inputs on a bidirectional databus in a computer which superpositions vector and scalar operations. 4,837,730, 6-6-89, Cl. 364-200.000.

Cook, Frederick A., Jr.: *See—*

Santos, Alfred J.; Cook, Frederick A., Jr.; Duncan, Scott M.; and Moseley, John, 4,875,785, Cl. 384-448.000.

Cook, Gary E. Apparatus and method for separating liquids and solids. 4,886,608, 12-12-89, Cl. 210-785.000.

Cook, Gary L.: *See—*

Smith, Leonard S.; and Cook, Gary L., 4,881,873, Cl. 417-12.000.

Cook, Gerald R.: *See—*

Goldstein, Joel E.; Iacoviello, John G.; Hawn, Gary G.; and Cook, Gerald R., 4,844,970, Cl. 428-198.000.

Cook, Gerry. Pneumatic exercise device. 4,880,230, 11-14-89, Cl. 272-130.000.

Cook, Graeme E. Pulverizing apparatus. 4,801,098, 1-31-89, Cl. 241-37.000.

Cook, Gwendolyn K.; and McDonald, John H., III, to Eli Lilly and Company. Process for preparing 3-unsubstituted cephalosporins and 1-carba(dethia)cephalosporins. 4,820,832, 4-11-89. Cl. 540-205.000.

Cook, Gwendolyn K.; and McDonald, John H., III, to Eli Lilly and Company. Process for production of ceophalosporins. 4,855,418, 8-8-89, Cl. 540-205.000.

Cook, Harold D. Cam actuated collet tool holder. 4,808,049, 2-28-89, Cl. 409-234.000.

Cook, Harold D. Tool holder system and method of use. 4,818,161, 4-4-89, Cl. 409-233.000.

Cook, Harold T., Jr., to Marco Seattle, Inc. Artificial bait feeding apparatus. 4,858,362, 8-22-89, Cl. 43-4.000.

Cook, Henry W., Jr., to Du Pont de Nemours, E. I., and Company. On-line electrostatic defect detector for polyester base. 4,857,853, 8-15-89, Cl. 324-456.000.

Cook Imaging: *See—*

Plum, Thomas M.; and Green, T. David, 4,817,027, Cl. 364-732.000.

Cook Imaging Corporation: *See—*

Sovak, Milos; and Foster, Stephen J., 4,863,714, Cl. 424-5.000.

Cook, Incorporated: *See—*

Gianturco, Cesare, 4,800,882, Cl. 128-343.000.

Sos, Thomas A.; DeBruyne, Michael; and Osborne, Thomas A., 4,848,344, Cl. 128-344.000.

Cook, James C., II: *See—*

Eccleston, Larry; Cook, James C., II; and Goodrich, Earl R., II, 4,795,995, Cl. 336-199.000.

Cook, James E.; Kennedy, James C.; and Young, Fred D., to Boeing Company, The. Variable angle transducer system and apparatus for pulse echo inspection of laminated parts through a full radial arc. 4,807,476, 2-28-89, Cl. 73-620.000.

Cook, Jeffrey A., to Nicor, Inc. Method and apparatus for connecting electrical conductors together. 4,797,509, 1-10-89, Cl. 174-84.00C.

Cook, Jeffrey A., to Ford Motor Company. Fuel injection control system. 4,886,026, 12-12-89, Cl. 123-478.000.

Cook, Jeffrey T.: *See—*

Dean, Walter L.; Moore, Danny R.; Owens, James W.; Schoggen, Howard L.; Bourbon, Robert M.; and Cook, Jeffrey T., 4,888,093, Cl. 162-157.600.

Schoggen, Howard L.; Cook, Jeffrey T.; and Bourbon, Robert M., 4,889,596, Cl. 162-157.600.

Cook, Jerry A.: *See—*

Adams, Charles, Jr.; and Cook, Jerry A., 4,806,331, Cl. 423-430.000.

Adams, Charles, Jr.; and Cook, Jerry A., 4,888,161, Cl. 423-430.000.

Adams, Charles, Jr.; and Cook, Jerry A., 4,888,308, Cl. 501-11.000.

Cook, John: *See—*

McLoughlin, Robert H.; Park, George B.; Cook, John; and Myers, Stephen E., 4,882,828, Cl. 29-623.100.

Cook, John A.; and Singleton, Raymond W., to Scimat Limited. Waterproof article and method for making a waterproof article. 4,818,596, 4-4-89, Cl. 428-265.000.

Cook, John A.; Park, George B.; and McLoughlin, Robert H., to Raychem Limited. Materials for electrical devices. 4,818,643, 4-4-89, Cl. 429-188.000.

Cook, John E., to Bendix Electronics Limited. Throttle assembly. 4,827,884, 5-9-89, Cl. 123-336.000.

Cook, John E.; Hagerty, Robert O.; and Jacob, Frederick W., to Mobil Oil Corporation. Reactor system for rapid kill gas injection to gas phase polymerization reactors. 4,834,947, 5-30-89, Cl. 422-117.000.

Cook, John E., to Bendix Electronics Limited. Electrically actuated EGR valve. 4,840,350, 6-20-89, Cl. 251-129.110.

Cook, John E., to Siemens-Bendix Automotive Electronics Limited Electric vacuum regulator. 4,850,384, 7-25-89, Cl. 137-14.000.

Cook, John L. Can holder. 4,874,109, 10-17-89, Cl. 220-94.00R.

Cook, John M., to Dow Corning Corporation. Insect trap and container for olfactory lure. 4,813,174, 3-21-89, Cl. 43-107.000.

Cook, John M.; and Weiss, Lon L., to Dow Corning Corp. Carrier for scented material. 4,817,868, 4-4-89, Cl. 239-55.000.

Cook, John P.: *See—*

Hartnett, Michael J.; Lugosi, Robert; Rollins, James; Cook, John P.; and Clark, Jeffrey A., 4,858,295, Cl. 29-156.40R.

Cook, Keith R.: *See—*

Rogakos, Deno J.; Johnston, Lynn M.; and Cook, Keith R., 4,850,466, Cl. 192-78.000.

Cook, Keith V.: *See—*

Cook, David K.; and Cook, Keith V., 4,808,061, Cl. 414-695.700.

Cook, Kenna M. Child restraining safety belt or harness. 4,867,464, 9-19-89, Cl. 280-33.993.

Cook, Kenneth J., to GTE Valenite Corporation. Apparatus for linear measurements. 4,884,346, 12-5-89, Cl. 33-542.000.

Cook, Kenneth P.: *See—*

DeMeo, Deborah A.; Bross, Robert M.; and Cook, Kenneth P., 4,798,580, Cl. 604-30.000.

Cook, Lacy G.; Perron, Gerard M.; Zellers, Brian K.; and Cohn, Brian D., to Hughes Aircraft Company. Display system having coma-control plate in relay lens. 4,826,287, 5-2-89, Cl. 350-174.000.

Cook, Lacy G., to Hughes Aircraft Company. Method and apparatus for receiving optical signals. 4,834,517, 5-30-89, Cl. 350-505.000.

Cook, Lacy G.: *See—*

Rafanelli, Gerard L.; and Cook, Lacy G., 4,834,537, Cl. 356-346.000.

Wheeler, Bryce A.; and Cook, Lacy G., 4,824,243, Cl. 356-121.000.

Cook, Leonard C. Method to control the discharge of effluent. 4,875,178, 10-17-89, Cl. 364-578.000.

Cook, Louis V. Surface grade crossing structure. 4,880,158, 11-14-89, Cl. 238-8.000.

Cook, Max W.; Moose, Wade E.; and Steele, David C. Apparatus and method for protecting the contacts of an electrical switch from current surges. 4,847,719, 7-11-89, Cl. 361-13.000.

Cook, Michael F.: *See—*

Stanton, Paul N., and Cook, Michael F., 4,808,035, Cl. 405-195.000.

Cook, Michael L.: *See—*

Newman, Stanley F.; De Deken, Jacques C.; and Cook, Michael L., 4,885,399, Cl. 568-410.000.

Cook, Michael S., to Deere & Company. Method and apparatus for adjusting the backlash on a differential. 4,821,395, 4-18-89, Cl. 29-407.000.

Cook, Michael W.: *See—*

Ciriscioli, Peter R.; and Cook, Michael W., 4,858,966, Cl. 285-200.000.

Cook Paint and Varnish Company: *See—*

Leonard, David P.; Truesdale. James H.; and Scherrer, Joseph H., 4,804,715, Cl. 525-245.000.

Cook, Philip J., to Air Products and Chemicals, Inc. Reliquefaction of boil-off from liquefied natural gas. 4,846,862, 7-11-89, Cl. 62-9.000.

Cook, Phillip D.; and Berry, David A., to Warner-Lambert Company. Process for preparing diaminopyrimido(4,5-d)pyrimidine glycoside and glycotide. 4,801,698, 1-31-89, Cl. 536-28.000.

Cook, Phillip D.; Robins, Roland K.; and McNamara, Dennis J., to Warner-Lambert Company. Methods of using 2-chloro-2'-deoxyadenosine-5'-phosphate and its salts. 4,826,823, 5-2-89, Cl. 514-46.000.

Cook, Phillip M., to Eastman Kodak Company. Radiation-polymerizable cellulose esters. 4,839,230, 6-13-89, Cl. 428-423.100.

Cook, Randall W.: *See—*

Anderson, Howard B., II; Marks, Stephen D.; and Cook, Randall W., 4,866,423, Cl. 340-541.000.

Cook, Rebecca H.: *See—*

Rogers, Charles E.; and Van Ardell, Fred, 4,801,111, Cl. 244-62.000.

Cook, Robert C.; and Barton, Mark R., to Securitron-Magnalock Corporation. Touch bar release locking system. 4,871,204, 10-3-89, Cl. 292-251.500.

Cook, Robert V.: *See—*

Fox, Rodney T.; Cowen, Raymond A.; Pool, Hazel; and Cook, Robert V., 4,802,997, Cl. 252-8.600.

Cook, Roger J., to Ford Motor Company. Circuit for prevention of undesired operation in multiple power drivers. 4,851,952, 7-25-89, Cl. 361-92.000.

Cook, Sherry A.; Gerstle, Patrick J.; Smith, David R.; and Stilz, Kathryn R., to International Business Machines Corporation. Automatic page end feature for an electronic typewriter. 4,889,439, 12-26-89, Cl. 400-706.000.

Cook, Stephen J.; and Bullock, Michael L., to Hewlett-Packard Company. Bendable pin board test fixture. 4,799,007, 1-17-89, Cl. 324-158.00F.

Cook, Stephen J., to Hewlett-Packard Company. Pre-loaded compression spring assembly. 4,870,353, 9-26-89, Cl. 324-158.00F.

Cook, Steven: *See—*

Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., 4,868,863, Cl. 379-98.000.

Cook, Steven L.; and Mayfield, George G., to Eastman Kodak Company. Liquid-phase process for the oxyiodination of naphthalene. 4,810,826, 3-7-89, Cl. 570-203.000.

Cook, Terry D., to Sencore, Inc. Method and apparatus for measuring the equivalent series resistances of a capacitor. 4,795,966, 1-3-89, Cl. 324-60.00R.

Cook, Terry D.; and Ortman, Ross, to Sencore, Inc. Capacitance measuring method and apparatus. 4,825,147, 4-25-89, Cl. 324-60.00C.

Cook, Thomas A.; Love, Walter F.; and Slovacek, Rudolf E., to Ciba Corning Diagnostics Corp. Evanescent wave sensors. 4,852,967, 8-1-89, Cl. 350-96.290.

Cook, Thomas E.; Delgado, Rodolfo; Linares, Carlos G.; Sakkab, Nabil Y.; and Trinh, Toan, to Procter & Gamble Company, The. Articles and methods for treating fabrics in clothes dryer. 4,834,895, 5-30-89, Cl. 252-8.600.

Cook, Thomas G.: *See—*

Childers, Robert W.; Cook, Thomas G.; Karle, David A.; Krahe, Ronald P.; Sparber, George E.; and Yeaney, Gerald L., 4,808,377, Cl. 422-26.000.

Cook, Timothy; Craigen, Joseph G.; and Morgan, Clive A., to British Gas Corporation. Valve assembly for controlling fluid flow. 4,799,647, 1-24-89, Cl. 251-356.000.

Cook Urological Incorporated: *See—*

Elkins, Dexter J., 4,869,259, Cl. 128-660.000.

Cook, Vincent C.: *See—*

Martin, Glenn E.; Salatin, Timothy D.; and Cook, Vincent C., 4,818,792, Cl. 525-286.000.

Cook, William C.: *See—*

Williams, Cleo M.; Sanders, Myron D.; and Cook, William C., 4,853,069, Cl. 156-401.000.

Cook, William H.; and Thorne, Randall J., to Eastman Kodak Company. Battery charger. 4,816,735, 3-28-89, Cl. 320-2.000.

Cook, Woodrow L.: *See—*

Clifton, Robert T.; and Cook, Woodrow L., 4,828,203, Cl. 244-12.300.

Cooke, D. Wayne; and Jahan, Muhammad S., to United States of America, Energy. Detection of surface impurity phases in high T_c superconductors using thermally stimulated luminescence. 4,873,444, 10-10-89, Cl. 250-337.000.

Cooke, Edward J., Jr.; and Cooper, Frank S., Jr. Detachable message-carrying device. 4,862,617, 9-5-89, Cl. 40-663.000.

Cooke, Francis W.: *See—*

von Recum, Andreas F.; and Cooke, Francis W., 4,846,834, Cl. 623-11.000.

von Recum, Andreas F.; and Cooke, Francis W., 4,871,366. Cl. 623-11.000.

Cooke, Michael D.: *See—*

Barker, Andrew J.; Carruthers, Nicholas I.; and Cooke, Michael D., 4,849,419, Cl. 514-192.000.

Ross, Barry C.; Cooke, Michael D.; Carruthers, Nicholas I.; and Barker, Andrew J., 4,795,748, Cl. 514-192.000.

Cooke, Robert S.: *See—*

Mohajer, Yousef; Lazarus, Stanley D.; and Cooke, Robert S., 4,839,124, Cl. 264-211.000.

Cooke, Stephen J.: *See—*

Sharpe, Michael R.; and Cooke, Stephen J., 4,832,491, Cl. 356-326.000.

Cooke, Theodore M.; Mikalsen, Arthur; Belmont, Ernest O.; and Van Brimer, R. H., to Dataproducts Corporation. Cartridge and method of using a cartridge for phase change ink in an ink jet apparatus. 4,823,146, 4-18-89, Cl. 346-1.100.

Cooke, Theodore M.: *See—*

Lin, An-Chung R.; Cooke, Theodore M.; and Merritt, Alfred R., 4,822,418, Cl. 106-27.000.

Van Brimer, R. Hugh; Allred, Donald; Cooke, Theodore M.; Lin, An C. R.; and Rubbo, Julia E., 4,853,706, Cl. 346-1.100.

Cookie Cup International: *See—*

Savage, Don H., 4,812,323, Cl. 426-496.000.

Cookman, William T. Dual frequency feed apparatus. 4,829,315, 5-9-89, Cl. 343-779.000.

Cooksey, George E. One shot valve. 4,821,775, 4-18-89, Cl. 137-68.200.

Cookson Graphics Inc.: *See—*

Sypek, Maria T.; and Rorke, Thomas P., 4,886,731, Cl. 430-156.000.

Cookson Group plc: *See—*

Anseau, Michael R.; Lawson, James M.; and Slasor, Shaun, 4,804,644, Cl. 501-98.000.

Olby, John K., 4,806,507, Cl. 501-17.000.

Cookson Laminox Laminox: *See—*

Laundon, Roy D.; Wickens, Anthony J.; and Turner, John H. W., 4,865,833, Cl. 423-633.000.

Cool, Donald L.: *See—*

Mrotz, Walter C., III; Cool, Donald L.; and Liebertz, Fred C., 4,796,950, Cl. 297-302.000.

Cool Lux Lighting Industries, Inc.: *See—*

Panagiotou, George N., 4,800,475, Cl. 362-294.000.

Coolbaugh, Thomas S.: *See—*

Cesare, Frank C.; Whelan, William P., Jr.; Petersen, Henno A.; Coolbaugh, Thomas S.; and Davis, Robert G., 4,888,393, Cl. 525-285.000.

Tomko, Richard F.; Sigworth, William D.; and Coolbaugh, Thomas S., 4,818,789, Cl. 525-64.000.

Cooledge, Joseph T.; and Gahr, Thanh J., to Boeing Company, The. Automatic testing of position sensing devices employing stored sensed position. 4,845,475, 7-4-89, Cl. 340-644.000.

Cooley, Bradford S., to Aristacom International, Inc. Clock disabling circuit. 4,890,254, 12-26-89, Cl. 364-900.000.

Cooley, Charles; and Fenton, William, Jr. Electrical continuity load monitoring circuit. 4,799,019, 1-17-89, Cl. 324-546.000.

Cooley, Craig H.: *See—*

Smith, Redd H.; and Cooley, Craig H., 4,884,477, Cl. 76-108.00A.

Cooley, Curtis D.: *See—*

Brandenburg, Bruce L.; Cooley, Curtis D.; and Ellis, Claude E., 4,812,243, Cl. 210-761.000.

Cooley, Jack L.: *See—*

Grace, Richard C.; Cooley, Jack L.; and Cabahug, Eric F., 4,822,213, Cl. 405-303.000.

Cooley, John. Belt adjuster. 4,826,469, 5-2-89, Cl. 474-101.000.

Cooley, John. Pizza utensil. 4,836,593, 6-6-89, Cl. 294-1.100.

Cooley, Judith; and Douglas, Diane, to Brady Enterprises Inc. Method for producing flavored popcorn. 4,888,186, 12-19-89, Cl. 426-99.000.

Cooley, Richard. Method and apparatus for making ice cubes. 4,815,691, 3-28-89, Cl. 249-120.000.

Cooley, William E.: *See—*

Pickens, Herman L.; and Cooley, William E., 4,817,134, Cl. 379-291.000.

Cooley, William U.: *See—*

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Coombes, Daniel J.: *See—*

Comroe, Richard A.; Major, John E.; Coombes, Daniel J.; Whitney, Susan M.; Sasuta, Michael D.; Zdunek, Kenneth J.; Pioch, Gerald E.; Borras, Jaime A.; Scheiderer, Ronald L.; and Blackston, Susan M., 4,817,190, Cl. 455-11.000.

Coombs, Christopher E., to Cairns & Brother Inc. Laminate for fire protective gear. 4,849,280, 7-18-89, Cl. 428-233.000.

Coombs, Daniel M.: *See—*

Brown, Ronald E.; Hogan, Robert J.; Coombs, Daniel M.; and Kukes, Simon G., 4,885,080, Cl. 208-218.000.

Coombs, Dennis W., to Neuro Delivery Technology, Inc. Multi-lumen epidural-spinal needle. 4,808,157, 2-28-89, Cl. 604-44.000.

Coombs, Gregory P.: *See—*

Rowley, Robin; and Coombs, Gregory P., 4,833,668, Cl. 370-1.000.

Coombs, Malcolm M. Method and apparatus for finger jointing lumber. 4,800,938, 1-31-89, Cl. 144-356.000.

Coombs, Mandy E., to Shell Internationale Research Maatschappij B.V. Thiazinone derivatives. 4,839,356, 6-13-89, Cl. 514-227.200.

Coombs, Mandy E.: *See—*

Gilkerson, Terence; Jennens, David C.; and Coombs, Mandy E., 4,833,137, Cl. 514-224.200.

Coombs, Paul G.: *See—*

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Coombs, Richard R. H., to National Research Development Corporation. Orthopaedic splints. 4,862,879, 9-5-89, Cl. 128-87.00R.

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Laursen, Larry J.; Coomer, Virgil W.; and Schrenk, Walter J., 4,871,487, Cl. 264-1.500.

Coon, Darryl D.; Karunasiri, Runkiri P.; and Liu, Hui C., to University of Pittsburgh of the Commonwealth System of Higher Education. Intraband quantum well photodetector and associated method. 4,873,555, 10-10-89, Cl. 357-4.000.

Coon, Dennis C.: *See—*

Brendgord, Thomas; Sanders, Ward L.; and Coon, Dennis C., 4,872,656, Cl. 269-322.000.

Coon, Jessie H.: *See—*

Hilker, G. Daniel; Lausen, Verne H.; Coon, Jessie H.; Bodette, James E.; Grimes, Jerry L.; Wright, Roger D.; Disque, Donny R.; and Bultemeier, Keith D., 4,826,706, Cl. 427-120.000.

Coon, Paul A., to AMP Incorporated. Electrical harness having one connector intended for circuit board mounting. 4,871,326, 10-3-89, Cl. 439-502.000.

Coon, Thomas L.: *See—*

Ligon, James T., Sr.; Coon, Thomas L.; and Peters, Joseph R., 4,810,548, Cl. 428-71.000.

Coon, Warren; and Carlson, Carl J. Load beam/assembly. 4,829,395, 5-9-89, Cl. 360-104.000.

Cooney, Barry F.; and Camden, Thomas M., Jr., to Westinghouse Electric Corp. Standardized reduced length burnable absorber rods for a nuclear reactor. 4,836,977, 6-6-89, Cl. 376-333.000.

Cooney, Barry F.: *See—*

Machado, Octavio J.; Moore, Jay T.; and Cooney, Barry F., 4,857,263, Cl. 376-272.000.

Cooney, Catherine M., to C. R. Bard, Inc. Venous reservoir. 4,795,457, 1-3-89, Cl. 604-408.000.

Cooney, Charles L.: *See—*

Cabral, Joaquim M. S.; Robinson, Elizabeth M.; and Cooney, Charles L., 4,830,753, Cl. 210-638.000.

- Cooney, Daniel J. Safety razor. 4,879,811, 11-14-89, Cl. 30-89.000.
- Cooney, Daniel J.: *See—*
  - Reiling, Victor G., Jr.; Dean, Brian L.; and Cooney, Daniel J., 4,869,700, Cl. 446-90.000.
- Cooney, Henry G., to NCR Corporation. System and method for providing for secure encryptor key management. 4,888,802, 12-19-89, Cl. 380-49.000.
- Cooney, James S.: *See—*
  - Bertoglio, Guido; Boyle, Michael C.; Cooney, James S.; and Walkup, William B., 4,838,801, Cl. 439-83.000.
- Coons, Andrew M., III, to BASF Corporation. Notched guide filament yarn interlacer. 4,841,606, 6-27-89, Cl. 28-274.000.
- Coons, Gex B. Pressurizable game ball. 4,872,678, 10-10-89, Cl. 273-61.00R.
- Coons, James O.: *See—*
  - Hamilton, L. Joe; and Coons, James O., 4,828,055, Cl. 177-134.000.
- Coons, Melvin S.: *See—*
  - Skillen, John D.; Coons, Melvin S.; and Brannstrom, Olav H., 4,800,681, Cl. 49-440.000.
- Coons, Robert A., Jr., to Xerox Corporation. Sheet registration in copier for multiple sizes of sheets. 4,826,148, 5-2-89, Cl. 271-245.000.
- Coons, Teresa; and Avner, Barry, to Lovelace Medical Foundation. Efficient cell fusion process. 4,806,476, 2-21-89, Cl. 435-172.200.
- Coons, Terry L., to Tech Development Inc. Pneumatic starters. 4,830,571, 5-16-89, Cl. 415-36.000.
- Coop Design, Inc.: *See—*
  - Ely, Donald B.; Ely, Dale A.; and Anderson, Eric W., 4,796,884, Cl. 272-113.000.
- Coop Weiproduktenfabriek "Borculo" W.A.: *See—*
  - Ybema, Jan; and Schutte, Gerhard, 4,857,338, Cl. 426-2.000.
- Cooper, Alan: *See—*
  - Brocklebank, Norman; and Cooper, Alan, 4,859,138, Cl. 414-694.000.
- Cooper, Alan N.; Taylor, James K.; and Cooper, Erwin E., to Texas Instruments Incorporated. Time discrete digital reformattor. 4,819,068, 4-4-89, Cl. 358-113.000.
- Cooper, Arthur J.: *See—*
  - Loza, Roman; Cooper, Arthur J.; and Coffey, Gerald P., 4,836,283, Cl. 166-225.000.
- Cooper, Bret A.; Havanas, William H.; Lanning, Thomas R.; and Martinka, Mark A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Interexchange carrier automatic route selection system. 4,866,763, 9-12-89, Cl. 379-221.000.
- Cooper, Bruce C.; Erickson, Kenton L.; Green, James A.; and Nycz, David S., to Caterpillar Inc. Engine piston assembly and forged piston member therefor having a cooling recess. 4,867,119, 9-19-89, Cl. 123-193.00P.
- Cooper, Bryan, to BASF Aktiengesellschaft. Preparation of coniferylaldehyde by a microorganism. 4,874,701, 10-17-89, Cl. 435-147.000.
- Cooper, Clayton C., III: *See—*
  - Beasock, Robert J.; and Cooper, Clayton C., III, 4,865,309, Cl. 271-227.000.
- Cooper Companies, Inc., The: *See—*
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- Cooper Concepts, Inc.: *See—*
  - Cooper, Ian A., 4,795,652, Cl. 426-549.000.
- Cooper, Curt S.: *See—*
  - Chu, Daniel T.; Rosen, Terry J.; and Cooper, Curt S., 4,880,814, Cl. 514-300.000.
- Cooper, Curtis L.: *See—*
  - Renfro, Wesley E., 4,862,915, Cl. 137-556.000.
- Cooper, Daniel: *See—*
  - Andrews, James S.; and Cooper, Daniel, 4,843,579, Cl. 364-567.000.
- Cooper, David; Wadhwani, Suresh K.; and Praamsma, Michael, to Castec, Inc. Window shade carrier and carrier assembly. 4,846,249, 7-11-89, Cl. 160-345.000.
- Cooper, David A.; and Barlow, Robert W., to GTE Products Corporation. Splice cradle. 4,854,661, 8-8-89, Cl. 350-96.200.
- Cooper, David G.; Miles, Peter D.; and Young, Rodney C., to Smith Kline & French Laboratories Limited. 3-hydroxypyridines. 4,863,933, 9-5-89, Cl. 514-314.000.
- Cooper, David G.: *See—*
  - Reintjes, John F.; and Cooper, David G., 4,868,515, Cl. 330-4.300.
- Cooper, Diane. Method for making an art work from colored adhesives. 4,830,690, 5-16-89, Cl. 156-63.000.
- Cooper, Edward, to Lesco Development. Harmonic inductor for generation of an energy conserving power wave. 4,795,959, 1-3-89, Cl. 323-308.000.
- Cooper, Edward W.: *See—*
  - Mottur, George P.; Kishbaugh, Dennis L.; Cope, Hilbert J., Jr.; and Cooper, Edward W., 4,844,930, Cl. 426-438.000.
- Cooper, Emanuel. Warning device activated by a key left in a lock. 4,864,279, 9-5-89, Cl. 340-568.000.
- Cooper, Erwin E., to Texas Instruments Incorporated. Wide spectral band infrared refractive lens. 4,871,219, 10-3-89, Cl. 350-1.400.
- Cooper, Erwin E.: *See—*
  - Cooper, Alan N.; Taylor, James K.; and Cooper, Erwin E., 4,819,068, Cl. 358-113.000.
- Cooper, Frank S., Jr.: *See—*
  - Cooke, Edward J., Jr.; and Cooper, Frank S., Jr., 4,862,617, Cl. 40-663.000.
- Cooper, Gary F.; Wren, Douglas L.; Van Horn, Albert R.; Li, Tsung-Tee; and Beard, Colin C., to Syntex (U.S.A.) Inc. Processes and intermediates for making 16-phenoxy and 16-substituted phenoxy-prostatrienoic acid derivatives. 4,804,787, 2-14-89, Cl. 568-649.000.
- Cooper, George D.: *See—*
  - Fowlkes, Robert L.; Forester, Lewis S.; and Cooper, George D., 4,868,335, Cl. 564-497.000.
- Cooper, George R. Videocassette security-lock-box. 4,799,370, 1-24-89, Cl. 70-63.000.
- Cooper, Gerald. System for and method of photocatalytically modifying a chemical composition and method of constructing a panel utilized in the system and the method. 4,888,101, 12-19-89, Cl. 204-157.150.
- Cooper, Gershon, to Alliance Research Corporation. Universally adjustable mounting device. 4,836,485, 6-6-89, Cl. 248-278.000.
- Cooper, Gershon, to Alliance Research Corporation. Universally adjustable mounting device. 4,872,630, 10-10-89, Cl. 248-278.000.
- Cooper, Gordon J.: *See—*
  - Munsey, R. Jack; Rose, Todd N.; and Cooper, Gordon J., 4,850,176, Cl. 52-829.000.
- Cooper, Henry H., Jr. Method and apparatus for photographic analysis of dental restorations. 4,887,106, 12-12-89, Cl. 354-62.000.
- Cooper, Herbert; and Loomis, Harry, to Cooper, Herbert. Power-operated lateral actuator for a fishing outrigger. 4,813,171, 3-21-89, Cl. 43-27.400.
- Cooper, Herbert E.; de Fazekas, Josef P.; and Smith, E. Dallas, to DBX Corporation. Trailer suspension apparatus. 4,878,691, 11-7-89, Cl. 280-189.000.
- Cooper, Hill M., Jr.; Cooper, William B.; and Cooper, Robert M. Tandem sawmill assembly. 4,823,664, 4-25-89, Cl. 83-367.000.
- Cooper, Ian A., to Cooper Concepts, Inc. Method for forming an edible food container. 4,795,652, 1-3-89, Cl. 426-549.000.
- Cooper Industries, Inc.: *See—*
  - Bannister, James R., Jr.; Hall, Julian W., Jr.; and Rosenberger, G J., 4,846,163, Cl. 128-124.000.
  - Beeson, John M.; McAskill, John P.; and Burnham, James D. 4,864,881, Cl. 74-360.000.
  - Berry, Richard C., 4,840,194, Cl. 128-155.000.
  - Bzdak, Richard J., 4,803,588, Cl. 361-118.000.
  - Chapin, David S.; and Stack, Paul D., Jr., 4,805,301, Cl. 30-90.100.
  - Chapin, David S.; Farnham, Gil; and Burgin, Al, 4,881,894, Cl. 431-255.000.
  - Coccagna, Abramo B., 4,866,971, Cl. 72-338.000.
  - Degelmann, Paul G., 4,851,979, Cl. 362-290.000.
  - Degelmann, Paul G., 4,860,180, Cl. 362-150.000.
  - Dunn, Glen A., 4,888,573, Cl. 337-164.000.
  - Ensminger, Gerald H.; and Kalazny, Andrzej, 4,869,061, Cl. 59-35.100.
  - Ensminger, Gerald H.; and Kalazny, Andrzej, 4,872,306, Cl. 59-78.000.
  - Espevik, Craig S.; and Wolf, Christopher R., 4,831,213, Cl. 174-65.00R.
  - Fitzgerald, James J.; and Demas, Nickolas P., 4,795,373, Cl. 439-619.000.
  - Gaia, Aldino J.; Suher, Frank; Douglass, Robert; Ehlmann, Arlie and Urani, Angelo, 4,831,353, Cl. 337-255.000.
  - Gurevich, Leon, 4,873,506, Cl. 337-290.000.
  - Hamm, Sidney R., 4,841,108, Cl. 200-148.00A.
  - Hamm, Sidney R.; and Wainio, Ronald A., 4,879,441, Cl. 200-144.00B.
  - Harrell, Timothy J., 4,854,894, Cl. 439-606.000.
  - Haynes, Charles W.; and Pitts, Adrian E., 4,827,808, Cl. 81-57.180.
  - Herbert, William G., 4,798,546, Cl. 439-830.000.
  - Herbert, William G., 4,846,738, Cl. 439-831.000.
  - Holman, Curtis D., 4,845,604, Cl. 362-431.000.
  - Hovanic, Steven F., 4,835,501, Cl. 335-16.000.
  - Hovanic, Steven F.; and Bryce, David W., 4,882,456, Cl. 200-43.150.
  - Kettner, Konrad K., 4,822,264, Cl. 418-150.000.
  - Knapp, Todd K.; Mikulecky, Harvey W.; and Reicher, Paul R. 4,820,183, Cl. 439-310.000.
  - Layne, Bruce N., 4,851,973, Cl. 362-147.000.
  - Lazar, Lawrence W.; and Wainio, Ronald A., 4,885,444, Cl. 200-401.000.
  - Levko, Fred; and Speas, Thomas P., Jr., 4,814,627, Cl. 250-566.000.
  - Maass, James A.; Stewart, John F.; and Carter, Joseph F. 4,867,617, Cl. 408-17.000.
  - Marach, David R., 4,872,262, Cl. 29-884.000.
  - Maye, David; and Choung, Moon, 4,884,836, Cl. 294-101.000.
  - Merry, Steven R., 4,830,901, Cl. 428-206.000.
  - Moore, Bill V.; and Jackson, John A., 4,809,200, Cl. 364-551.000.
  - Nash, William H.; and Bestel, Ernest F., 4,839,481, Cl. 200-144.00B.
  - Nipper, James H.; Men, Grigory; and Lindstrand, Douglas K. 4,813,223, Cl. 57-294.000.
  - Ohlhaber, Ronald L., 4,801,764, Cl. 174-70.00C.
  - Patton, Jon R.; and Harris, Robert W., 4,843,902, Cl. 74-335.000.
  - Riley, Leonard; and Young, Lister, 4,814,547, Cl. 174-65.0SS.
  - Sappington, Gayle L., 4,801,278, Cl. 439-746.000.
  - Shaw, Richard E.; and Wolverton, Steven R., 4,872,481, Cl. 137-543.170.
  - Stein, Dieter; and Mattheiss, Eugen, 4,833,952, Cl. 81-474.000.
  - Stone, Ralph S., 4,815,701, Cl. 251-174.000.
  - Ulijasz, Thaddeus R., 4,815,814, Cl. 350-96.230.
  - Urban, Paul, 4,796,795, Cl. 228-20.000.
  - Veverka, Edward F.; and Hassler, Stephen P., 4,885,561, Cl. 337-190.000.
  - Wainio, Ronald A.; and Schreiber, Daniel J., 4,855,862, Cl. 361-72.000.

- Cooper, J. Carl. Method and apparatus for continuously shifting phase of an electronic signal. 4,829,257, 5-9-89, Cl. 328-133.000.
- Cooper, J. Carl; and Yu, John P., to Electro Sound, Inc. Multiple slave video tape reproduction system. 4,866,543, 9-12-89, Cl. 360-15.000.
- Cooper, J. Carl. Apparatus for shifting the frequency of complex signals. 4,868,428, 9-19-89, Cl. 307-529.000.
- Cooper, J. Carl; and Yu, John P., to Electro Sound, Inc. System and method for high speed video tape reproduction. 4,872,070, 10-3-89, Cl. 360-15.000.
- Cooper, James, to Wickham Land Limited. Filtration apparatus control. 4,824,581, 4-25-89, Cl. 210-709.000.
- Cooper, James A., to United States of America, Energy. One-way transformation of information. 4,841,570, 6-20-89, Cl. 380-30.000.
- Cooper, James C. Waveform shaping apparatus and method. 4,816,830, 3-28-89, Cl. 341-153.000.
- Cooper, James R.: *See—*
  - Katz, Ira; and Cooper, James R., 4,835,341, Cl. 174-142.000.
- Cooper, Jerri L.: *See—*
  - McDowell, Donald J.; Maloney, Michael J.; Cooper, Jerri L.; and Pyle, Lawrence, 4,817,969, Cl. 277-235.00B.
- Cooper, Jerry L.: *See—*
  - Goldbach, Gary O.; Cooper, Jerry L.; and Guillory, John L., 4,843,981, Cl. 110-347.000
- Cooper, John; and Baker, Alan S., to Imperial Chemical Industries PLC. Emulsion explosive composition. 4,822,433, 4-18-89, Cl. 149-2.000.
- Cooper, John B., to Wiggins Teape Group Limited, The. Record material. 4,851,384, 7-25-89, Cl. 503-209.000.
- Cooper, John D.: *See—*
  - Petermann, Steven G.; Cabiran, Michel L.; Cooper, John D.; and Lara, Pedro F., 4,835,876, Cl. 33-313.000.
- Cooper, John D. H.: *See—*
  - Turnell, David C.; and Cooper, John D. H., 4,837,157, Cl. 436-20.000.
- Cooper, John E., to J. E. Hanger & Company Limited. Shift device for a prosthetic limb. 4,883,494, 11-28-89, Cl. 603-39.000.
- Cooper, Joseph N.: *See—*
  - Flohr, Keith W., 4,808,328, Cl. 252-106.000.
- Cooper, Kelvin; Fray, Michael J.; and Richardson, Kenneth, to Pfizer Inc. Dihydropyridine anti-allergic and anti-inflammatory agents. 4,801,598, 1-31-89, Cl. 514-333.000.
- Cooper, Kelvin; Fray, Michael J.; and Richardson, Kenneth, to Pfizer Inc. Dihydropyridine antiallergic and antiinflammatory agents. 4,851,412, 7-25-89, Cl. 514-266.000.
- Cooper, Kelvin; Cross, Peter F.; Fray, Michael J.; and Richardson, Kenneth, to Pfizer Inc. Fused 1,4-dihydropyridines as antiallergy and antiinflammatory agents. 4,853,392, 8-1-89, Cl. 514-311.000.
- Cooper, Kelvin; Steele, John; and Richardson, Kenneth, to Pfizer Inc. Dihydropyridine anti-allergic and anti-inflammatory agents. 4,859,686, 8-22-89, Cl. 514-330.000.
- Cooper, Kenneth E.: *See—*
  - Cerrington, Brian E.; Arrindell, Michael W.; Cooper, Kenneth E.; and Isaacson, Philip G., 4,841,797, Cl. 74-467.000.
- Cooper, Kenneth L. J-nut plier. 4,841,821, 6-27-89, Cl. 81-426.000.
- Cooper, Lance A.: *See—*
  - Crump, Druce K.; Cooper, Lance A.; and Hopkins, Thomas M., 4,799,995, Cl. 162-76.000.
  - Woodson, Jeffrey B.; Cooper, Lance A.; White, Helen M.; and Fischer, Gordon C., 4,808,235, Cl. 134-22.190.
- Cooper LaserSonics, Inc.: *See—*
  - Broadwin, Alan; Kreizman, Alexander; Puiam, Chana; Podany, Vaclav O.; and Emery, Leonard M., 4,827,911, Cl. 128-24.00A.
  - Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., 4,846,790, Cl. 604-22.000.
  - Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., 4,881,761, Cl. 285-239.000.
  - Kuhl, Peter; Broadwin, Alan; and Hornlein, Robert W., 4,832,021, Cl. 128-303.00R.
- Cooper, Lawrence: *See—*
  - Petraitis, Jeffery J.; Cardin, Walfred; Cooper, Lawrence; Rountree, Dave; and Plouffe, Leo A., 4,866,408, Cl. 337-104.000.
- Cooper, Leonard M., to Manville Corporation. Wrap-around carton with flange-receiving slots. 4,844,328, 7-4-89, Cl. 229-40.000.
- Cooper, Leonard M., to Manville Corporation. Sling-bottom article carrier. 4,852,731, 8-1-89, Cl. 206-167.000.
- Cooper, Leonard M., to Manville Corporation. Wrap-around carton locking means. 4,860,943, 8-29-89, Cl. 229-40.000.
- Cooper, LeRoy D.: *See—*
  - Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; Cooper, LeRoy D.; Wiseman, Jerry W.; and Brotherton, Robert L., 4,813,331, Cl. 86-20.120.
  - Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; and Cooper, LeRoy D., 4,817,685, Cl. 141-11.000.
- Cooper, Leslie A.: *See—*
  - Russell, Alexander; Cooper, Leslie A.; and Drudy, David P., 4,855,675, Cl. 324-208.000.
- Cooper, Lloyd G. B. Work station system. 4,880,270, 11-14-89, Cl. 297-188.000.
- Cooper, Lyndon F.: *See—*
  - Featherstone, John D. B.; Cooper, Lyndon F.; Myers, Michael L.; and Nelson, Dennis G. A., 4,874,315, Cl. 433-215.000.
- Cooper, Marshall H., to Babcock & Wilcox Company, The. Method for measuring free oxygen in a combustible atmosphere. 4,835,108, 5-30-89, Cl. 436-137.000.
- Cooper, Martin E.: *See—*
  - Phillipps, Gordon H.; Jones, Paul S.; and Cooper, Martin E., 4,851,399, Cl. 514-80.000.
- Cooper, Martin H.; and Petrosky, Lyman J., to Westinghouse Electric Corp. Package. 4,813,564, 3-21-89, Cl. 215-366.000.
- Cooper, Michael, to Advanced Micro Devices, Inc. Data assembly apparatus and method. 4,809,166, 2-28-89, Cl. 364-200.000.
- Cooper, Michael D.: *See—*
  - King, David L.; Cooper, Michael D.; and Faber, Michael A., 4,868,343, Cl. 568-697.000.
- Cooper, Michael J., to Denny Bros. Printing Limited. Tag attachment system. 4,847,130, 7-11-89, Cl. 428-40.000.
- Cooper, Michael N., to Knogo Corporation. Multiple frequency theft detection system. 4,870,391, 9-26-89, Cl. 340-572.000.
- Cooper, Peter W.: *See—*
  - Cherri, Allan; and Cooper, Peter W., 4,807,202, Cl. 367-129.000.
- Cooper Power Systems, Inc.: *See—*
  - Boliver, Vincent J.; Roscizewski, Paul M.; Sankey, Edward L.; and DeMeyer, Roy W., 4,857,021, Cl. 439-801.000.
  - Hay, Noah D., 4,839,622, Cl. 336-92.000.
  - Holmgren, Nils V.; Martin, Donald R.; and Phouybanhdyt, Hinhsomchay, 4,821,143, Cl. 361-335.000.
  - Humen, Michael W.; and Hernandez, Augusto, 4,837,543, Cl. 336-92.000.
  - Kalal, Theodore T.; and Kowitch, Richard, 4,878,143, Cl. 361-94.000.
  - Martin, Donald R.; and Holmgren, Nils V., 4,845,324, Cl. 200-400.000.
  - Martin, Donald R., 4,883,930, Cl. 200-148.00F.
  - Mikulecky, Harvey W., 4,818,967, Cl. 337-202.000.
  - Roloff, Frederick W., 4,870,742, Cl. 29-335.000.
- Cooper, Randall K.: *See—*
  - Hutchins, Walter J.; and Cooper, Randall K., 4,836,374, Cl. 206-373.000.
- Cooper, Randy G.: *See—*
  - Bosten, Donald R.; and Cooper, Randy G., 4,858,661, Cl. 144-134.00D.
  - Bosten, Donald R.; and Cooper, Randy G., 4,858,662, Cl. 144-136.00C.
  - Bosten, Donald R.; and Cooper, Randy G., 4,858,663, Cl. 144-136.00C.
- Cooper, Reid F.; and Gadkaree, Kishor P., to Corning Glass Works. Composite ceramic article and method for making it. 4,806,428, 2-21-89, Cl. 428-403.000.
- Cooper, Richard D.; and Pincers, Ojars W., to Allomatic Industries, Inc. Fluid filter with internal spacer. 4,804,466, 2-14-89, Cl. 210-168.000.
- Cooper, Richard F.; and Williamson, Michael R. Two-position ladder. 4,846,303, 7-11-89, Cl. 182-36.000.
- Cooper, Robert. Portable cooking grill device. 4,796,599, 1-10-89, Cl. 126-30.000.
- Cooper, Robert. Trickle jumping charging device. 4,831,321, 5-16-89, Cl. 320-25.000.
- Cooper, Robert E., to Sites, Alfred. Objectionable waste material retrieval and bagging device. 4,819,977, 4-11-89, Cl. 294-1.400.
- Cooper, Robert L. Underground surge irrigation system. 4,812,082, 3-14-89, Cl. 405-36.000.
- Cooper, Robert M.: *See—*
  - Cooper, Hill M., Jr.; Cooper, William B.; and Cooper, Robert M., 4,823,664, Cl. 83-367.000.
- Cooper, Ronald J.; Marsico, Mario A.; Matlack, Richard C., Jr.; Pescatore, John C.; and Smith, Robert L., Jr., to International Business Machines Corp. Scannerless message concentrator and communications multiplexer. 4,870,566, 9-26-89, Cl. 364-200.000.
- Cooper, Ronald J.: *See—*
  - Burrus, Gilbert S., Jr.; Cooper, Ronald J.; Marr, Michael R.; Marsico, Mario A.; Pescatore, John C.; and Sullivan, Paul D., 4,837,677, Cl. 364-200.000.
- Cooper, Roy; and Hansen, Charles, to Tri-Tech, Inc. Stepper motor and method of making the same. 4,841,189, 6-20-89, Cl. 310-257.000.
- Cooper, Roy; and Hansen, Charles, to Tri-Tech, Inc. Method of making a stepper motor. 4,884,333, 12-5-89, Cl. 29-596.000.
- Cooper, Roydon B.: *See—*
  - Silverwater, Bernard F.; and Cooper, Roydon B., 4,826,597, Cl. 210-387.000.
- Cooper, Scott: *See—*
  - Alameda, Daniel; and Cooper, Scott, 4,881,868, Cl. 414-773.000.
- Cooper, Steven J.: *See—*
  - Borlinghaus, Hans J.; Orlowsky, Michael G.; Goodbred, Neil G.; Humer, Mladen; and Cooper, Steven J., 4,881,827, Cl. 384-47.000.
- Cooper, Stuart L.: *See—*
  - Grasel, Timothy G.; and Cooper, Stuart L., 4,880,883, Cl. 525-454.000.
- Cooper, Susan M., to Siecor Corporation. High count optical fiber distribution cable. 4,881,795, 11-21-89, Cl. 350-96.230.
- Cooper, Terence A.: *See—*
  - Cannarsa, Michael J.; Kesling, Haven S., Jr.; Hostetler, Donald E.; Cooper, Terence A.; and Sun, Hsiang-Ning, 4,833,036, Cl. 428-412.000.
- Cooper Tire & Rubber Company: *See—*
  - Klose, Karl W., 4,820,373, Cl. 156-405.100.
- Cooper, Wallace L. Small vehicle garage. 4,848,386, 7-18-89, Cl. 135-90.000.

- Cooper, William B.: *See—*
  - Cooper, Hill M., Jr.; Cooper, William B.; and Cooper, Robert M., 4,823,664, Cl. 83-367.000.
- Cooper, William I. Guidance device for ultrasound guided surgical procedures. 4,838,506, 6-13-89, Cl. 248-200.000.
- Cooper, William J.: *See—*
  - Baker, Daniel G.; Cooper, William J.; and Penney, Bruce J., 4,890,158, Cl. 358-10.000.
  - Franklin, Harlow; Cooper, William J.; and Deschenes, Charles L., 4,877,172, Cl. 227-67.000.
- Cooperatieve Vereniging Suiker Unie U.A.: *See—*
  - Bakker, Age; Schepers, Genesius J. J. M.; and Koerts, Kees, 4,799,965, Cl. 127-46.200.
- Cooperatieve Verkoop- en Productievereniging van Aardappelmeel en Derivaten 'AVEBE' B.A : *See—*
  - Jansen, Johannes J.; Mossou, Bernardus H. F.; and Poort, Hans, 4,873,147, Cl. 428-533.000.
- Cooperative Agricole des Eleveurs de la Region de Lamba l Amballe Dite C.O.O.P.E.R.L.: *See—*
  - Bourdel, Jacques A. J., 4,810,515, Cl. 426-524.000.
- Cooperative Institute for Research in Environmental Sciences Univers. of Colorado: *See—*
  - Birks, John W.; and Shellum, Curtis L., 4,806,485, Cl. 436-140.000.
- Cooperman, Michael; and Sieber, Richard W., to GTE Laboratories Incorporated. Line delay compensation for digital transmission systems utilizing low power line drivers. 4,805,196, 2-14-89, Cl. 375-107.000.
- Cooperman, Michael; and Sieber, Richard W., to GTE Laboratories Incorporated. Crosspoint switching array. 4,818,988, 4-4-89, Cl. 340-825.850.
- Cooperman, Michael; and Sieber, Richard W., to GTE Laboratories Incorporated. Bidirectional digital signal transmission system. 4,859,877, 8-22-89, Cl. 307-443.000.
- Coopers Animal Health Australia Limited: *See—*
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  - Imonti, Maurice M., 4,870,977, Cl. 128-890.000.
  - Krasner, Gary N., 4,836,202, Cl. 128-303.00R.
  - Seger, Ronald G.; and Mutti, Donald O., 4,820,038, Cl. 351-160.00H.
- Coopetanche S.A.: *See—*
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- Coopman, Lucien: *See—*
  - Moeneclaey, Denis; Lagache, Remi; Victoor, Johnny; and Coopman, Lucien, 4,840,203, Cl. 139-453.000.
  - Moeneclaey, Denis; Coopman, Lucien; and Victoor, Johnny, 4,875,505, Cl. 139-448.000.
  - Victoor, Johnny; Coopman, Lucien; and Moeneclaey, Denis, 4,860,800, Cl. 139-448.000.
- Cooprider, Lee W.: *See—*
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- Coops, Peter, to U.S. Philips Corporation. Apparatus for optically scanning a radiation-reflective information plane. 4,835,378, 5-30-89, Cl. 250-201.000.
- Coops, Peter: *See—*
  - Bressers, Andreas J. M.; Coops, Peter; and Duijvestijn, Adrianus J., 4,829,506, Cl. 369-112.000.
- Cooray, Boyd; Hope, Peter; Vleggaar, Jan; Helle, Kees; and Roos, Arie, to Akzo N.V. Metallized polymer compositions, processes for their preparation and their uses. 4,795,660, 1-3-89, Cl. 427-123.000.
- Coors Porcelain Company: *See—*
  - Bruggeman, Rudyard J.; and Carscallen, Gregory A., 4,876,875, Cl. 72-199.000.
  - Dinkha, Brian I.; Jasa, Paul B.; Seegmiller, Brian; and Simmons, Alden C., 4,850,278, Cl. 102-501.000.
- Coosemans, Luc M. C.; and van den Bosch, Frans J. P. G., to Stamicarbon B.V. Catalyst system for (co)polymerization of ethylene in solution. 4,826,794, 5-2-89, Cl. 502-110.000.
- Coosemans, Luc M. C.: *See—*
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- Copa, William M.; and Vollstedt, Thomas J., to Zimpro/Passavant Inc. Two-stage wastewater treatment. 4,810,386, 3-7-89, Cl. 210-616.000.
- Copal Company Limited: *See—*
  - Hijiya, Toshinori; and Saitou, Katumi, 4,820,950, Cl. 310-90.500.
  - Muto, Yoshio; Takahashi, Mitsuo; and Asako, Koji, 4,811,137, Cl. 360-77.200.
  - Nagaoka, Tomoo; and Kimura, Takashi, 4,855,850, Cl. 360-99.120.
  - Nakagawa, Norifumi; and Matsumoto, Junichi, 4,835,564, Cl. 354-435.000.
  - Ooe, Haruki; and Kobayashi, Kouichi, 4,851,871, Cl. 354-435.000.
  - Takano, Hiroshi; and Shimane, Teiichi, 4,807,239, Cl. 372-38.000.
- Copal Electronics Co., Ltd.: *See—*
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  - Takano, Hiroshi; and Shimane, Teiichi, 4,807,239, Cl. 372-38.000.
  - Watanabe, Masaru; and Tabei, Ichiro, 4,799,628, Cl. 242-84.420.
- Cope Allman Plastics Limited: *See—*
  - Young, David F.; and Wortley, Michael J., 4,828,127, Cl. 215-252.000.
- Cope, Dennis. Inflatable bag. 4,877,334, 10-31-89, Cl. 383-3.000.
- Cope, Hilbert J., Jr.: *See—*
  - Mottur, George P.; Kishbaugh, Dennis L.; Cope, Hilbert J., Jr.; and Cooper, Edward W., 4,844,930, Cl. 426-438.000.
- Cope, Richard L., to Eubanks Engineering Co. Wire insulation stripping apparatus. 4,838,129, 6-13-89, Cl. 81-9.500.
- Cope, Richard P.; and Fisher, Leo, to Crest-Foam Corporation. Conductive polyurethane foam compositions containing tetralyanoethylene and method. 4,886,626, 12-12-89, Cl. 252-500.000.
- Cope, Roy: *See—*
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- Cope, Samuel M. Eye dropper bottle attachment for post-surgical and general use. 4,834,727, 5-30-89, Cl. 604-300.000.
- Cope & Timmins Ltd.: *See—*
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- Copelan, James B.: *See—*
  - Copelan, Russell I., 4,830,854, Cl. 424-445.000.
- Copelan, Russell I., to Copelan, James B. Chemical splinter removal 4,830,854, 5-16-89, Cl. 424-445.000.
- Copeland, Claude T.; and Gurley, Derrel G., to Dowell Schlumberger Incorporated. Matched particle/liquid density well packing technique. 4,850,430, 7-25-89, Cl. 166-276.000.
- Copeland Corporation: *See—*
  - Bush, James W.; and Anderson, Gary J., 4,827,174, Cl. 310-261.000
  - Bush, James W.; and Fogt, James F., 4,850,819, Cl. 417-368.000.
  - Caillat, Jean-Luc M.; Weatherston, Roger C.; and Bush, James W., 4,877 382, Cl. 418-55.000.
  - DiFlora, Michael A., 4,854,839, Cl. 417-571.000.
  - Elson, John P.; and Kramp, Stephen F., 4,836,758, Cl. 418-55.000
- Copeland, Hugh D.; and Pease, David C., Jr., to Copeland, Hugh D. System for automatically shutting down auxiliary power devices in a vehicle. 4,864,154, 9-5-89, Cl. 307-10.700.
- Copeland, J. William. Airborne stereoscopic imaging system. 4,805,015, 2-14-89, Cl. 358-88.000.
- Copeland, James L.; Nystuen, David L.; van Dijk, Lambertus P., deceased; and by Snyder, Father Peter, administrator, to Ecolab, Inc Solid block chemical dispenser for cleaning systems. 4,826,661, 5-2-89, Cl. 422-106.000.
- Copeland, James L.; and Brady, Daniel F., to Ecolab Inc. Method and apparatus for dispensing solutions. 4,845,965, 7-11-89, Cl. 68-17.00R.
- Copeland, John A., III, to Hayes Microcomputer Products, Inc. Adaptive data compression method and apparatus. 4,862,167, 8-29-89, Cl. 341-107.000.
- Copeland, Judith, to Paper P.S. Inc. Tamper-resistant box. 4,846,397, 7-11-89, Cl. 229-102.000.
- Copeland, Richard L.: *See—*
  - Watkins, Harry E.; Balch, Brent F.; Oakes, Jeffery T.; Copeland, Richard L.; Patterson, Hubert A.; and Martinson, Mart. 4,859,991, Cl. 340-572.000.
- Copeland-Sirois Enterprises, Inc.: *See—*
  - Sirois, William L., 4,832,638, Cl. 440-83.000.
  - Sirois, William L., 4,854,903, Cl. 440-83.000.
  - Sirois, William L., 4,875,430, Cl. 114-355.000.
- Copella, Robert A.; Flannery, Ann M.; Garrelts, David R.; and Krigers, Sandra I., to National Computer Print, Inc. Secure system and method for providing personal identifier. 4,852,165, 7-25-89, Cl. 380-24.000.
- Copella, Robert A.: *See—*
  - Pease, Kevin J.; Copella, Robert A.; and Flannery, Ann M., 4,837,426, Cl. 235-440.000.
- Copen, Robert L. Apparatus for machining slots in apertures. 4,810,141, 3-7-89, Cl. 409-259.000.
- Copes, Rene J. Strap cover. 4,838,378, 6-13-89, Cl. 280-808.000.
- Copham, Piers M.: *See—*
  - Charles, James A.; Copham, Piers M.; and Fray, Derek J. 4,869,790, Cl. 204-64.00R.
- Coplan, Myron, to Albany International Corp. Hollow fiber separatory module with encased fiber bundle. 4,865,736, 9-12-89, Cl. 210-321.790.
- Coplan, Myron J.; and Giglia, Salvatore, to Albany International Corp Method of manufacturing a hollow filament separatory module with constricted bundle end. 4,812,184, 3-14-89, Cl. 156-84.000.
- Copley, John A.; Kwok, Hoi S.; and Domankevitz, Yacov. Method and device for stand-off laser drilling and cutting. 4,870,244, 9-26-89, Cl. 219-121.700.
- Copley Pharmaceuticals, Inc.: *See—*
  - Iorio, Theodore L., 4,812,303, Cl. 424-44.000.
- Copley, Russell D.: *See—*
  - Deutsch, Timothy A.; and Copley, Russell D., 4,821,498, Cl. 56-50.000.
- Copley, Stephen M.: *See—*
  - Bass, Michael; and Copley, Stephen M., 4,888,490, Cl. 250-561.000
- Coplin, John F., to Rolls-Royce plc. Turbofan gas turbine engine 4,827,712, 5-9-89, Cl. 60-226.100.
- Copo Praezisionsapparate AG: *See—*
  - Cho, Chiliang; Cho, Antonio; and Cho, Viktor, 4,809,013, Cl. 346-19.000.
- Copp, David F.; and Wojciehowski, Stephen J., to Chrysler Motors Corporation. Bumper facia attachment structure. 4,875,728, 10-24-89, Cl. 293-126.000.
- Copp, Douglas M., to General Motors Corporation. Blind cable assembly. 4,886,146, 12-12-89, Cl. 188-2.00D.

- Copp, Frederick C.: *See—*
  - Sawyer, David A.; and Copp, Frederick C., 4,847,249, Cl. 514-242.000.
- Copp, John B. Composite board press. 4,857,135, 8-15-89, Cl. 156-580.000.
- Coppa, Anthony P., to General Electric Company. Truss structure and method and apparatus for construction thereof. 4,803,824, 2-14-89, Cl. 52-648.000.
- Coppa, Anthony P., to General Electric Company. Method for construction of a truss structure. 4,829,739, 5-16-89, Cl. 52-745.000.
- Coppa, Anthony P., to General Electric Company. Truss structure and method for construction thereof. 4,878,286, 11-7-89, Cl. 29-467.000.
- Coppa, Gianni: *See—*
  - Calvani, Riccardo; Caponi, Renato; Cisternino, Francesco; and Coppa, Gianni, 4,866,266, Cl. 250-227.000.
- Coppage, Edward A., Jr.: *See—*
  - Sullivan, Thomas M.; and Coppage, Edward A., Jr., 4,858,245, Cl. 2-21.000.
- Coppe, Dino L. Universal trailer hitch apparatus. 4,863,185, 9-5-89, Cl. 280-491.200.
- Coppedge, Benjamin. Christmas tree stand. 4,825,586, 5-2-89, Cl. 47-40.500.
- Coppens, Anton, to Heerema Engineering Service BV. Offshore tower structures. 4,824,291, 4-25-89, Cl. 405-204.000.
- Coppens, Anton, to Heerema Engineering Service BV. Stabilization system. 4,848,968, 7-18-89, Cl. 405-204.000.
- Coppens, Paul J.; Stroobants, Marcel; and Matthe, Herman L., to Agfa-Gevaert, N.V. Silver complex diffusion transfer processing. 4,845,010, 7-4-89, Cl. 430-204.000.
- Coppens, Wilfried; Chambaere, Daniel; and Lievens, Hugo, to N.V. Bekaert S.A. Brass-coated steel elements having improved rubber adhesion properties. 4,883,722, 11-28-89, Cl. 428-625.000.
- Coppens, Wilfried: *See—*
  - Lievens, Hugo; and Coppens, Wilfried, 4,811,583, Cl. 72-38.000.
  - Lievens, Hugo; and Coppens, Wilfried, 4,828,000, Cl. 152-451.000.
- Copperi, Maurizio; and Sereno, Daniele, to CSELT-Centro Studi e Laboratori Telecomunicazioni S.p.A. Method of and device for speech signal coding and decoding by subband analysis and vector quantization with dynamic bit allocation. 4,811,398, 3-7-89, Cl. 381-37.000.
- Copperi, Maurizio, to Cselt Centro Studi e Laboratori Telecomunicazioni S P.A. Method of and device for speech signal coding and decoding by parameter extraction and vector quantization techniques. 4,860,355, 8-22-89, Cl. 381-36.000.
- Copperweld Corporation: *See—*
  - Malone, William M.; and Fraser, Malcolm J., 4,819,858, Cl. 228-173.700.
  - McDougall, Wallace R.; and Seastone, James C., 4,799,971, Cl. 148-12.00B.
- Coppi, Bruno; Koch, Alfred; Lanzavecchia, Lorenzo; and Rauch, Jon, to BBC Brown Boveri AG. Magnetic coil arrangement for fusion reactors. 4,851,180, 7-25-89, Cl. 376-142.000.
- Coppi, Bruno: *See—*
  - Bussard, Robert W.; and Coppi, Bruno, 4,836,972, Cl. 376-131.000.
- Coppi, Germano: *See—*
  - Springolo, Vanna; Coppi, Germano; and Scevola, Mario E., 4,861,599, Cl. 424-494.000.
- Coppin, William, to Maxon Corporation. Carbon monoxide reducing endplate apparatus. 4,869,665, 9-26-89, Cl. 431-351.000.
- Coppock, Stan: *See—*
  - Mezei, Louis M.; Albom, Bradley S.; Coppock, Stan; Moehle, Stephen J.; Noorda, Brent S.; Widunas, Joseph T.; and Zeitlin, James A., 4,873,633, Cl. 364-413.080.
- Coppola, Frank; Dumbaugh, William H., Jr.; and Ryszytiwskyj, William P., to Corning Incorporated. Method for making glass articles with defect-free surfaces and soluble glasses therefor. 4,880,453, 11-14-89, Cl. 65-23.000.
- Coppola, Mario, to Delta Elettronica s.r.l. Attitude detection device. 4,814,753, 3-21-89, Cl. 340-686.000.
- Coppolani, Joseph, to Femia Industrie. Method for the treatment of an elongated agricultural produce. 4,873,105, 10-10-89, Cl. 426-481.000.
- Copson, Alexander G., to Consolidated Environmental Technologies Limited. Construction and use of subsea bore holes. 4,815,894, 3-28-89, Cl. 405-128.000.
- Copson, Alexander G.; and Baig, Mirza N., to Maersk Company Limited, The; and General Environmental Technologies Limited. Sewage disposal. 4,829,923, 5-16-89, Cl. 114-27.000.
- Copytele, Inc.: *See—*
  - Di Santo, Frank J.; Krusos, Denis A.; and Lewit, Edward, 4,833,464, Cl. 340-793.000.
  - DiSanto, Frank J.; and Krusos, Denis A., 4,850,919, Cl. 445-24.000.
  - Di Santo, Frank J.; and Krusos, Denis A., 4,870,677, Cl. 379-96.000.
  - DiSanto, Frank J.; Krusos, Denis A.; and Schubert, Frederic E., 4,889,603, Cl. 204-180.100.
- Coquard, Jean; and Goletto, Jean, to Rhone-Poulenc Chimie. Homogenous hexamethylenediamine/adipic acid/dimer acid copolyamide preparation. 4,826,951, 5-2-89, Cl. 528-339.300.
- Coquelet, Claude: *See—*
  - Bonne, Claude; Coquelet, Claude; and Latour, Elisabeth, 4,871,742, Cl. 514-262.000.
  - Maurin, Florence; Coquelet, Claude; and Alain, Tournoux A., 4,866,088, Cl. 514-420.000.
- Coquille, Rene: *See—*
  - Lambert, Bertrand; Toudic, Yves; and Coquille, Rene, 4,853,077, Cl. 156-605.000.
- Cor-A-Vent, Inc.: *See—*
  - Sells, Gary L., 4,807,409, Cl. 52-95.000.
  - Sells, Gary L., 4,843,953, Cl. 98-42.210.
- Corah, Susan E.: *See—*
  - Maher, Galeb H.; and Corah, Susan E., 4,882,650, Cl. 361-321.000
- Corain, Luciano; and Maitan, Gianni, to Nuovopignone-Industrie Meccaniche e Fonderia S.p.A. Improvements in the gripper transportation system of a shuttleless loom. 4,870,996, 10-3-89, Cl. 139-1.00R
- Corain, Luciano; Maitan, Gianni; and Valsecchi, Enrico, to NUOVO-PIGNONE-Industrie Meccaniche e Fonderia, S.p.A. System for instantaneously detecting breakage of a weft yarn in a multiphase loom shed. 4,884,598, 12-5-89, Cl. 139-371.000.
- Coral Industrial Sales, Inc.: *See—*
  - Magdars, John T.; and Siegal, Burton L., 4,821 370, Cl. 16-94.00D.
- Corallo, Valeriano; and Rattazzini, Paolo, to Giustina International S.p.A. Measuring apparatus for grinding machines for cylinders with structural and surface checking devices. 4,807,400, 2-28-89, Cl. 51-165.00R.
- Corallo, Valeriano, to Giustina International S.P.A. Cylinder grinding machine with tracing and dimensional and surface checking. 4,811,524, 3-14-89, Cl. 51-165.00R.
- Coran, Aubert Y.; and Davis, Leonard H., to Monsanto Company. Rubber article comprising contiguous portions of an isoprene rubber composition and a butadiene rubber composition containing a polymeric activator. 4,869,968, 9-26-89, Cl. 428-495.000.
- Corbach, Rainer; Mohr, Adolf; Utsch, Berthold; and Zimmermann, Kurt, to Robert Bosch GmbH. Commutator motor, especially a small motor for motor vehicles. 4,827,173, 5-2-89, Cl. 310-218.000.
- Corbalis, Charles M.: *See—*
  - Baran, Paul; Corbalis, Charles M.; Holden, Brian D.; Masatsugu, Jon K.; Marggraff, Lewis J.; Owen, David P.; and Stonebridge, Peter W. J., 4,819,228, Cl. 370-85.000.
- Corban, Earle: *See—*
  - Shepard, Richard W.; Corban, Earle; and Preston, Peter, 4,881,830, Cl. 384-577.000.
- Corbasson, Gerard, to Etablissements Pierre Angenieux. Variable-focus objective-lens device and a method for the control of said device. 4,854,685, 8-8-89, Cl. 350-427.000.
- Corbeels, Roger J.: *See—*
  - Najjar, Mitri S.; and Corbeels, Roger J., 4,801,438, Cl. 423-230.000.
  - Najjar, Mitri S.; and Corbeels, Roger J., 4,801,440, Cl. 423-415.00A.
  - Najjar, Mitri S.; and Corbeels, Roger J., 4,808,386, Cl. 423-226.000.
  - Najjar, Mitri S.; Corbeels, Roger J.; and Kokturk, Uygur, 4,851,151, Cl. 252-373.000.
  - Najjar, Mitri S.; and Corbeels, Roger J., 4,876,031, Cl. 252-373.000.
- Corbel, Henri: *See—*
  - Couderc, Pierre; and Corbel, Henri, 4,854,845, Cl. 425-363.000.
- Corbesero, Steve R.: *See—*
  - Mendenhall, David W.; Marian, Steve P.; Goff, Jay T.; Cotter, Neil J.; and Corbesero, Steve R., 4,881,901, Cl. 439-65.000.
- Corbet, Jean P.; and Mas, Jean M., to Rhone-Poulenc Agrochimie. Process for the preparation of compounds containing a triazole and tetrahydrofuran group, and new compounds capable of being employed for the preparation of the said compounds. 4,883,882, 11-28-89, Cl. 548-262.000.
- Corbett, James D.: *See—*
  - Cornett, Johnny A.; and Corbett, James D., 4,845,500, Cl. 342-90.000.
- Corbett, James J.: *See—*
  - Futch, John E.; and Corbett, James J., 4,809,460, Cl. 47-33.000.
- Corbett, Kevin T.: *See—*
  - Russell, Larry R.; and Corbett, Kevin T., 4,796,670, Cl. 138-110.000.
- Corbett, Paul P.: *See—*
  - Lin, Kou C.; Burkhardt, Charles E.; and Corbett, Paul P., 4,809,411, Cl. 29-605.000.
- Corbett, Peter F., to General Electric Company. Safe logic zero and one supply for CMOS integrated circuits. 4,868,903, 9-19-89, Cl. 307-296.600.
- Corbett, Peter F.: *See—*
  - Hartley, Richard I.; and Corbett, Peter F., 4,860,240, Cl. 364-757.000.
- Corbett, Reg D. Floating docks. 4,803,943, 2-14-89, Cl. 114-263.000.
- Corbett, Scott S.: *See—*
  - Riley, Joseph L., 4,825,778, Cl. 105-393.000.
- Corbett, Thomas J.; Everhart, Vaughn D.; and Smith, Michele A., to Saturn Corporation. Adjustable shoulder belt. 4,832,366, 5-23-89, Cl. 280-808.000.
- Corbett, William D., to Brunswick Corporation. Foam pattern for engine cylinder block. 4,802,447, 2-7-89, Cl. 123-65.00K.
- Corbett, William D.: *See—*
  - Morgan, Edward J.; and Corbett, William D., 4,883,110, Cl. 164-249.000.
- Corbier, Jean P.: *See—*
  - Feichtiger, Dieter; Neuffer, Klaus; Biber, Wolfgang; Freitag, Elmar; Corbier, Jean P.; and Dragoni, Christian. 4,830,054, Cl. 137-884.000.
- Corbin, David R.; Kumpinsky, Enio; and Vidal, Antonio, to Du Pont de Nemours, E. I., and Company. Process for the manufacture of 1,4-bis(4-phenoxybenzoyl)benzene with a zeolite catalyst. 4,835,319, 5-30-89, Cl. 568-322.000.
- Corbin, David R.: *See—*
  - Abrams, Lloyd; Corbin, David R.; and Shannon, Robert D., 4,814,503, Cl. 564-474.000.
  - Chowdhry, Uma; Corbin, David R.; and Subramanian, Munirpallam A., 4,814,303, Cl. 501-119.000.

  Gier, Thurman E.; Shannon, Robert D.; Sonnichsen, George C.; Corbin, David R.; and Keane, Michael, Jr., 4,806,689, Cl. 564-474.000.
Corbin, Douglas L. Speed square interlocking holder. 4,872,600, 10-10-89, Cl. 224-245.000.
Corbin, Maxwell H., Jr.; and Butler, Peter D. Method of installing preformed pavement materials into asphalt surfaces. 4,854,771, 8-8-89, Cl. 404-79.000.
Corbin, Maxwell H., Jr.; and Butler, Peter D. Method of removing pavement marking materials from asphalt surfaces. 4,863,309, 9-5-89, Cl. 404-77.000.
Corbin, Normand D.; Hartline, Stephen D.; and Rossetti, George A., Jr., to Norton Company. Fiber-reinforced silicon nitride ceramics. 4,869,943, 9-26-89, Cl. 428-114.000.
Corbin, Normand D.; and Willkens, Craig A., to Norton Company. Fiber-reinforced silicon nitride composite ceramics. 4,885,199, 12-5-89, Cl. 428-113.000.
Corbin, Steven K. Folding wing toy glider. 4,836,817, 6-6-89, Cl. 446-62.000.
Corbin, Terry R.: *See—*
  Senge, F. Gerhard; Watson, Angus A.; Sanner, Kenneth E.; and Corbin, Terry R., 4,859,298, Cl. 204-146.000.
Corbisiero, Salvatore. Length-adjustable toy ski. 4,836,571, 6-6-89, Cl. 280-600.000.
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  Kahl, John J., Jr.; Vulpitta, Brian A.; Corbo, Thomas A.; Saunders, Craig M.; and Nottingham, John R., 4,884,734, Cl. 225-26.000.
Corbo, Thomas E.; Cisek, Richard J., Jr.; Matthews, Kathryn M.; and Sehringer, George K., to Manco, Inc. Self-erecting photo display. 4,854,060, 8-8-89, Cl. 40-152.100.
Corby, Michael P., to Diversey Corporation. Cleaning/disinfecting process and composition. 4,822,513, 4-18-89, Cl. 252-106.000.
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Corcoran, Patrick H., to Du Pont de Nemours, E. I., and Company. Two component coating composition of an anhydride containing polymer and a glycidyl component. 4,816,500, 3-28-89, Cl. 523-400.000.
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  Sanchez, Aracelia; and Cord, Don O., 4,821,950, Cl. 229-160.200.
Cordan, Ernest W., Jr., to NCR Corporation. Nonvolatile electronic odometer with excess write cycle protection. 4,803,707, 2-7-89, Cl. 377-24.100.
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Corday, Debbie J.: *See—*
  Lynch, Carol J.; and Corday, Debbie J., 4,874,028, Cl. 160-332.000.
Cordea, James N.; Jasper, Joseph C.; and Sheth, Harshad V., to Baltimore Specialty Steels Corporation. Austenitic stainless steel combining strength and resistance to intergranular corrosion. 4,822,556, 4-18-89, Cl. 420-59.000.
Cordell, James E. Leveler attachment for ladders. 4,802,471, 2-7-89, Cl. 182-204.000.
Cordell, Robert R., to Bell Communications Research, Inc. Digital phase aligner with outrigger sampling. 4,821,296, 4-11-89, Cl. 375-119.000.
Cordemans de Meulenaer, Eric; and Hannecart, Baudoin, to Undatim Ultrasonics S.A. Method for controlling the working frequency of an electro-acoustic vibrating device. 4,882,525, 11-21-89, Cl. 310-316.000.
Cordemans de Meulenaer, Eric D.; and Hannecart, Baudouin O., to Undatim Ultrasonics. Process of use of an electroacoustical vibrator device and plant for carrying out this process. 4,804,131, 2-14-89, Cl. 228-110.000.
Corder, Thomas E.; and Mullin, James B., to Intelock Corporation. Battery-powered door lock assembly and method. 4,802,353, 2-7-89, Cl. 70-277.000.
Corder, Thomas E.; and Stewart, John F., to Intelock Corporation. Bolt assembly and method. 4,854,143, 8-8-89, Cl. 70-218.000.
Cordera, Robert J., to Nabisco Brands, Inc. Flowable material distribution sampling method. 4,873,103, 10-10-89, Cl. 426-233.000.
Cordery, Robert A., to Pitney Bowes Inc. Magnetic marker having a rectangular configuration for electronic article surveillance. 4,849,736, 7-18-89, Cl. 340-551.000.
Cordery, Robert A.; and Hubbard, David W., to Pitney Bowes Inc. Apparatus and method of weighing articles based upon harmonic motion. 4,856,602, 8-15-89, Cl. 177-210.0FP.
Cordes, Arno; Kula, Maria-Regina; Kroner, Karl-Heinz; and Stach, Wolfgang, to Gesellschaft fur Biotechnologische Forschung mbH (GBF). Process for the purification and recovery of formate-dehydrogenase (FDH) from *Candida boidinii*, and FDH-containing product. 4,879,234, 11-7-89, Cl. 435-189.000.
Cordes, Claus: *See—*
  Pipper, Gunter; and Cordes, Claus, 4,816,557, Cl. 528-500.000.
Cordes, Fred G.: *See—*
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Cordi, Alex A.; and Gorissen, Hugo J., to G. D. Searle & Co. Biarylalkylimidazole derivatives as anti-depressants. 4,882,343, 11-21-89, Cl. 514-341.000.
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Cordiano, Ettore; Garnero, Pierino; and Frigo, Domenico, to CORINT S.r.l.; and GARRIG 4 S.s. Pneumatic vane pumps with oil separator. 4,799,869, 1-24-89, Cl. 418-97.000.
Cordier, Jean; and Rist, Andre, to Union Siderurgique du Nord et de l'Est de la France. Process for desulfurizing fuel gas containing sulfur. 4,852,995, 8-1-89, Cl. 48-197.00R.
Cordier, Jean A. G.; Dussart, Bernard E. A.; and Rollot, Pierre H., to Usinor Aciers. Process and apparatus for producing moulded coke in a vertical furnace which is at least partly electrically heated. 4,867,848, 9-19-89, Cl. 201-6.000.
Cordill, Rexford W.; Woods, John T.; and Fellwock, Louis W., to Whirlpool Corporation. Adhesive-bonded mullion bracket for household refrigerator. 4,801,181, 1-31-89, Cl. 312-214.000.
Cordill, Rexford W.; Woods, John T.; and Fellwock, Louis W., to Whirlpool Corporation. Method of making a refrigerator cabinet. 4,862,577, 9-5-89, Cl. 29-525.100.
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  Box, John W.; and Folger, John H., Jr., 4,832,692, Cl. 604-99.000.
  Box, John W.; and Donadio, James V., 4,846,186, Cl. 128-657.000.
  Callaghan, Frank J., 4,860,751, Cl. 128-419.0PG.
  Clossick, James P., 4,815,476, Cl. 128-751.000.
  Cohen, Donald, 4,832,048, Cl. 128-786.000.
  DeCote, Robert, Jr.; and Livingston, John H., 4,815,017, Cl. 364-602.000.
  Hess, Stanley R.; Miller, Sandra L.; Pohndorf, Peter J.; and Tarjan, Peter P., 4,800,898, Cl. 128-785.000.
  Higgins, Sheryl W., 4,875,481, Cl. 128-344.000.
  Hillstead, Richard A., 4,798,594, Cl. 604-167.000.
  Hillstead, Richard A., 4,821,398, Cl. 29-450.000.
  Hillstead, Richard A., 4,856,516, Cl. 128-343.000.
  Hillstead, Richard A., 4,874,378, Cl. 604-167.000.
  Hillstead, Richard A., 4,885,003, Cl. 604-22.000.
  Smith, Kevin W.; and Slater, Charles R., 4,861,340, Cl. 604-141.000.
  Stevens, Robert C., 4,798,586, Cl. 604-96.000.
  Stevens, Robert C., 4,811,743, Cl. 128-772.000.
  Stevens, Robert C.; and Braun, Robert R., 4,857,046, Cl. 604-22.000.
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  Hess, Stanley R., 4,841,971, Cl. 128-419.00P.
  Schroeppel, Edward A., 4,802,481, Cl. 128-419.0PG.
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  Rettig, Wolfgang J.; Cordon-Cardo, Carlos; Koulos, John F.; Lewis, John L., Jr.; Oettgen, Herbert F.; and Old, Lloyd J., 4,851,332, Cl. 435-7.000.
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Cordova, Colleen W.; and Cordova, David S., to Allied-Signal Inc. Organic reinforcing fibers with bundle separation during fiber cutting and storage. 4,880,704, 11-14-89, Cl. 428-395.000.
Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; Rowan, Hugh H.; and Marshall, Robert M., to Allied-Signal Inc. Fiber for reinforcing plastic composites and reinforced plastic composites therefrom. 4,842,934, 6-27-89, Cl. 428-378.000.
Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; and Young, Steven A., to Allied-Signal Inc. Fiber for reinforcing plastic composites and reinforced plastic composites therefrom. 4,857,405, 8-15-89, Cl. 428-378.000.

Cordova, David S.; Rowan, Hugh H.; and Young, John A., to Allied-Signal Inc. Organic reinforcing fibers with bundle separation during fiber cutting. 4,879,179, 11-7-89, Cl. 428-361.000.
Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; and Young, Steven A., to Allied-Signal Inc. Fiber for reinforcing plastic composites and reinforced plastic composites therefrom. 4,880,871, 11-14-89, Cl. 525-43.000.
Cordova, David S.: *See—*
  Cordova, Colleen W.; and Cordova, David S., 4,880,704, Cl. 428-395.000.
Cordova, Jackie: *See—*
  Titcomb, Forrest; and Cordova, Jackie, 4,795,275, Cl. 384-107.000.
Cordray International Corporation: *See—*
  Cordray, Robert K., 4,854,837, Cl. 417-492.000.
Cordray, Robert K., to Cordray International Corporation. Rotary actuated pump or motor. 4,854,837, 8-8-89, Cl. 417-492.000.
Cordrey, Nancy A.: *See—*
  Carey, Francis J.; Cordrey, Nancy A.; and Hipkins, James J., 4,814,204, Cl. 427-286.000.
Corduan, Horst: *See—*
  Rottmann, Dietrich; and Corduan, Horst, 4,824,453, Cl. 62-22.000.
  Skolaude, Werner; Eggendorfer, Gunnar; and Corduan, Horst, 4,883,518, Cl. 62-38.000.
Core-Guard Industries, Inc.: *See—*
  Helmstetter, John G., 4,886,548, Cl. 106-18.120.
Core, Ronald S.: *See—*
  Young, Ronald J.; Core, Ronald S.; and Marino, Joseph T., Jr., 4,821,173, Cl. 364-200.000.
Corecon Corporation: *See—*
  Sheehan, Robert K.; and Smester, Paul R., 4,861,279, Cl. 439-412.000.
Corella, Arthur P. Self-supporting, flexible, dispensing package. 4,886,373, 12-12-89, Cl. 383-104.000.
Corenman, James E.; Braig, James R.; Goldberger, Daniel S.; Rojas, Emil P.; and Stone, James H., to Nellcor, Incorporated. Multichannel gas analyzer and method of use. 4,817,013, 3-28-89, Cl. 364-497.000.
Corenman, James E.: *See—*
  Goodman, David E.; and Corenman, James E., 4,802,486, Cl. 128-633.000.
  Goodman, David E.; Corenman, James E.; New, William, Jr.; and Yelderman, Mark, 4,830,014, Cl. 128-665.000.
Corespan, Inc.: *See—*
  Mayer, John M., 4,821,915, Cl. 220-441.000.
Corey, John C.; Looney, Brian B.; and Kaback, Dawn S., to United States of America, Energy. In-situ remediation system and method for contaminated groundwater. 4,832,122, 5-23-89, Cl. 166-266.000.
Corey, Paul. Pulsating liquid cleaning device. 4,813,602, 3-21-89, Cl. 239-101.000.
Corey, Paul F., to Miles Inc. Chromogenic acridinone enzyme substrates. 4,810,636, 3-7-89, Cl. 435-14.000.
Corey, Thomas J., to Permclip Products Corporation. Combined sheet compressor and transfer device for attachment to spaced prongs of a file folder fastener. 4,869,613, 9-26-89, Cl. 402-7.000.
Corfin Technologies Inc.: *See—*
  Cornellier, J. Rene, 4,799,450, Cl. 118-63.000.
Corfine Inc.: *See—*
  O'Connor, Barry J.; and Vigder, Robert B., 4,848,204, Cl. 83-659.000.
Corfits, William D.; Mosley, Claude J.; Rasmussen, Jerry R.; and Wheeler, Stephen E., to International Business Machines Corporation. Pluggable assembly for printed circuit cards. 4,821,145, 4-11-89, Cl. 361-383.000.
Corfits, William D.; Gullicksrud, John T.; Martin, Bradley L.; McCutcheon, Robert W.; Rasmussen, Jerry R.; Westphal, Gordon W.; and Wheeler, Stephen E., to International Business Machines Corporation. Three stage self alignment structure and method. 4,853,830, 8-1-89, Cl. 361-391.000.
Corfits, William D.: *See—*
  Behrens, Linda M.; Blohm, Neil A.; Cimijotti, Raymond L.; Corfits, William D.; and Rasmussen, Jerry R., 4,821,146, Cl. 361-383.000.
Corghi, Remo. Lift with transducer for balancing tires on a vehicle. 4,882,932, 11-28-89, Cl. 73-457.000.
Corigliano, Francesco; Di Pasquale, Sebastiana; Primerano, Patrizia; and Zipelli, Cesare, to Ente Minerario Siciliano. Process for the high-yield recovery of vanadium from petroleum combustion residues. 4,814,150, 3-21-89, Cl. 423-67.000.
Corin, Claes O.: *See—*
  Ehlbeck, Hans E.; Corin, Claes O.; and Kamareddine, Imad, 4,864,780, Cl. 51-410.000.
CORINT S.r.l.: *See—*
  Cordiano, Ettore; Garnero, Pierino; and Frigo, Domenico, 4,799,869, Cl. 418-97.000.
Cork, William H., to Prism Technology, Inc. System for optically interrogating liquid samples and for withdrawing selected sample portions. 4,873,875, 10-17-89, Cl. 73-863.010.
Corke, Michael: *See—*
  Sweeny, Kevin L.; Corke, Michael; and Schmidt, Kevin M., 4,822,126, Cl. 350-96.150.
Corken International Corporation: *See—*
  Byram, Alfred A.; and Wystemp, Willie, 4,830,593, Cl. 418-253.000.
Corkigian, Archibald, to Westinghouse Canada Inc. Heat transfer enclosure. 4,794,982, 1-3-89, Cl. 165-104.330.
Corkin, William R.; and Bedi, Ram D., to General Motors Corporation. Method and apparatus for press forming intricate metallic shapes such as spool valve elements. 4,885,927, 12-12-89, Cl. 72-342.000.
Corl, John L.; and Triplett, Gregory S., to Systron Donner Corp. Smoke detector with improved testing. 4,870,394, 9-26-89, Cl. 340-630.000.
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  Segal, Jerome; Corl, Paul D.; and Haase, Wayne C., 4,869,263, Cl. 128-692.000.
Corle, Timothy R.: *See—*
  Kino, Gordon S.; and Corle, Timothy R., 4,861,975, Cl. 250-201.000.
Corlett, Edwin H.; and Corlett, Edwin H., Jr. Low-drag sailboat mast. 4,838,191, 6-13-89, Cl. 114-90.000.
Corlett, Edwin H., Jr.: *See—*
  Corlett, Edwin H.; and Corlett, Edwin H., Jr., 4,838,191, Cl. 114-90.000.
Corlett, Ewan C. B., to Hydronic, Ltd. Marine propulsion system. 4,832,633, 5-23-89, Cl. 440-67.000.
Corlew, Fred J. Bathtub with access door in the side thereof. 4,796,312, 1-10-89, Cl. 4-555.000.
Corley, Edward: *See—*
  Volante, Ralph P.; Corley, Edward; and Shinkai, Ichiro, 4,814,452, Cl. 546-89.000.
Corley, Edward G.: *See—*
  Abramson, Newton L.; Karady, Sandor; Corley, Edward G.; and Weinstock, Leonard M., 4,834,846, Cl. 204-59.00R.
Corley, Larry S., to Shell Oil Company. Cure rate control in epoxy resin compositions. 4,831,099, 5-16-89, Cl. 528-91.000.
Corley, Larry S., to Shell Oil Company. Stabilized flame-retardant epoxy resin composition from a brominated epoxy resin and a vinyl monomer diluent. 4,873,309, 10-10-89, Cl. 528-102.000.
Corliss, John M.; and Cox, Earl W., to Gas Research Institute. Gaseous fuel range. 4,794,907, 1-3-89, Cl. 126-39.00R.
Corliss, Lyal S.; and Nielsen, James W. Hoof lotion. 4,822,595, 4-18-89, Cl. 424-61.000.
Corliss, William, to Schwinn Bicycle Company. Cyclist's shoe and the like with separately adjustable diagonal and transverse straps for independent instep and forefoot fit control. 4,845,864, 7-11-89, Cl. 36-131.000.
Cormack, Robert H.; and Brown, Carey S., to Ball Corporation. Portable, shock-proof container surface profiling instrumentation. 4,863,275, 9-5-89, Cl. 356-376.000.
Cormack, Robert H.; and Brown, Carey S., to Ball Corporation. Optical convex surface profiling and gauging apparatus and method therefor. 4,872,757, 10-10-89, Cl. 356-376.000.
Corman, Blaine G.; Korbach, Paul F.; and Webber, Kenneth M., to Exxon Research and Engineering Company. Process oil manufacturing process. 4,801,373, 1-31-89, Cl. 208-210.000.
Cormerais, Francois X.: *See—*
  Chombart, Didier; Cormerais, Francois X.; and Laborde, Michel, 4,810,367, Cl. 208-309.000.
Cormerais, Francois-Xavier: *See—*
  Szabo, Georges; and Cormerais, Francois-Xavier, 4,830,998, Cl. 502-66.000.
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  Bailey, Brian A., 4,845,909, Cl. 52-235.000.
Cormier, Jean-Pierre M.; and Horvat, Philippe N., to U.S. Philips Corp. Receiving head end for polarized microwaves, parabolic aerial and receiving station equipped with such a receiving head end. 4,806,945, 2-21-89, Cl. 343-756.000.
Cormier, Michel J. N.; Ledger, Philip W.; Amkraut, Alfred; and Marty, Jean P., to Alza Corporation. Method for reducing sensitization or irritation in transdermal drug delivery and means therefor. 4,885,154, 12-5-89, Cl. 424-10.000.
Cormier, Murphy. Waste material treatment apparatus. 4,859,325, 8-22-89, Cl. 210-195.300.
Cormier, Wayne L. Method and apparatus for computing golf game parameters. 4,815,020, 3-21-89, Cl. 364-709.110.
Cormier, William E., Jr.; Kuehl, Guenter H.; and Stover, William A., to Mobil Oil Corporation. Octane improvement with large size ZSM-5 catalytic cracking. 4,828,679, 5-9-89, Cl. 208-120.000.
Corn, John E.: *See—*
  Flood, Paul W.; Corn, John E.; and Schafer, Robert J., 4,814,379, Cl. 525-66.000.
Corn, Kruger C.; and Raney, Gary L., to Conoco Inc. Method and apparatus for seismic dip filtering. 4,800,539, 1-24-89, Cl. 367-72.000.
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  Helfgott, Theodore; and Corn, Michael R., 4,844,813, Cl. 210-747.000.
Cornacchia, Vincent, to General Machine Design, Inc. Conveyor for turning packages upside down. 4,798,278, 1-17-89, Cl. 198-399.000.
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  Fitoussi, Jean Guy; Goudeau, Jacques; and Cornebois, Michel, 4,869,743, Cl. 65-3.110.
Cornelis Dirk Ferguson: *See—*
  Brown, Leonard C., 4,821,917, Cl. 221-69.000.
Cornelison, Richard C.; and Retallick, William B., to W. R. Grace & Co.-Conn. Catalyst support and method for making same. 4,829,655, 5-16-89, Cl. 29-527.400.
Cornelison, Richard C., to W. R. Grace & Co.-Conn. Corrosion resistant corrugated metal foil for use in wound and folded honeycomb cores. 4,838,067, 6-13-89, Cl. 72-196.000.
Cornelison, Richard C., to W. R. Grace & Co.-Conn. Honeycomb fluid conduit. 4,849,274, 7-18-89, Cl. 428-116.000.
Cornelison, Richard C.: *See—*
  Smith, Edward M.; and Cornelison, Richard C., 4,875,436, Cl. 122-7.00R.

- Cornelissen, Andreas H. W. M., to Instituut Voor Bewaring en Verwerking Van Landbouwprodukten. Device for peeling onions or other bulbous or tuberous plants. 4,889,046, 12-26-89, Cl. 99-546.000.
- Cornelissen, Bernardus H. J., to U.S. Philips Corp. Integrated memory circuit. 4,800,534, 1-24-89, Cl. 365-233.000.
- Cornelissen, Bernardus H. J., to U.S. Philips Corporation. CMOST input buffer for TTL level input signals. 4,801,826, 1-31-89, Cl. 307-482.000.
- Cornelissen, Bernardus H. J., to U.S. Philips Corporation. ECL to CMOS transition amplifier. 4,864,159, 9-5-89, Cl. 307-264.000.
- Cornelissen, Johannes M.; Klugkist, Jan; Lagerwaard, Cornelis A.; Swarthoff, Ton; Thom, David; and Thom, David, to Lever Brothers Company. Enzymatic detergent and bleaching composition. 4,861,509, 8-29-89, Cl. 252-174.120.
- Cornelius, Billie G. Hand-held suction dredge and metal detector. 4,889,391, 12-26-89, Cl. 299-9.000.
- Cornelius, Craig J.: *See—*
  - Peters, Rex B.; and Cornelius, Craig J., 4,872,343, Cl. 73-517.0AV.
- Cornelius, Klaus; and Exner, Rainer, to Sartorius GmbH. Platform balance. 4,848,494, 7-18-89, Cl. 177-259.000.
- Cornelius, Klaus; and Exner, Rainer, to Sartorius GmbH. Nonsystem-connected electronic balance. 4,856,605, 8-15-89, Cl. 177-210.00R.
- Cornelius, Paul A.; Hochstrasser, Robin M.; Kallenbach, Neville R.; Rubin, Harvey; and Todaro, George J., to Kollmorgen Corporation. Pulsed light selective photolysis process for treatment of biological media and products made thereby. 4,880,512, 11-14-89, Cl. 204-157.610.
- Cornelius, Robert S.: *See—*
  - Anderson, Terry M.; and Cornelius, Robert S., 4,821,034, Cl. 340-825.800.
- Cornell, Donald E., to Owens-Corning Fiberglas Corporation. Curing oven apparatus. 4,825,561, 5-2-89, Cl. 34-242.000.
- Cornell, James C. Joist hanger. 4,856,252, 8-15-89, Cl. 52-702.000.
- Cornell, Jeffrey K., to Microwave Products of America, Inc. Shading band compensation for continuous transformer and motor. 4,801,775, 1-31-89, Cl. 219-10.55R.
- Cornell, Jeffrey K., to Microwave Products of America, Inc. Flux reduction compensation for continuous transformer and motor. 4,801,776, 1-31-89, Cl. 219-10.55B.
- Cornell, Jeffrey K., to Microwave Products of America, Inc. Compensation for improved continuous transformer and motor. 4,812, 3-14-89, Cl. 219-10.55B.
- Cornell, Jeffrey K., to Litton Systems, Inc. Continuous transformer and motor. 4,827,097, 5-2-89, Cl. 219-10.55B.
- Cornell, John, to Medi-Tech International Corporation. Wound dressings in gelled paste form. 4,885,161, 12-5-89, Cl. 424-78.000.
- Cornell, Lorne T.; Sisto, Eugene; Ohtola, Victoria L.; and Kenney, Lawrence P., to Eastman Kodak Company. Film belt loader package. 4,811,839, 3-14-89, Cl. 206-303.000.
- Cornell Research Foundation, Inc.: *See—*
  - Baker, Robert C.; Fugigaki, Arturo H.; Lu, Choing-Liang; and Hotchkiss, Joseph H., 4,849,232, Cl. 426-92.000.
  - Behfar-Rad, Abbas; and Wong, S. Simon, 4,851,368, Cl. 437-129.000.
  - Blackburn, Gary F., 4,812,888, Cl. 357-26.000.
  - Brot, Nathan; Elkon, Keith; Skelly, Susan M.; and Weissbach, Herbert, 4,865,970, Cl. 435-7.000.
  - Efthymiou, George S.; and Shuler, Michael L., 4,861,483, Cl. 210-636.000.
  - Georgi, Jay K., and Wade, Susan E., 4,850,305, Cl. 119-1.000.
  - Harpel, Peter C., 4,849,353, Cl. 435-7.000.
  - Henion, John D.; Covey, Thomas R.; and Bruins, Andries P., 4,861,988, Cl. 290-288.000.
  - Howland, Howard C.; Schaeffel, Frank; and Farkas, Leslie, 4,834,528, Cl. 351-211.000.
  - Jagota, Sujata; and Raj, Rishi, 4,806,198, Cl. 156-623.00R.
  - Lee, Chih-Kung; and Moon, Francis C., 4,868,447, Cl. 310-328.000.
  - Lobo, Hubert; and Wang, Kuo K., 4,861,167, Cl. 374-44.000.
  - Maynard, Brian K.; and Bassuk, Nina L., 4,885,868, Cl. 47-58.000.
  - Meister, Alton, 4,879,370, Cl. 530-331.000.
  - Moon, Francis C.; and Raj, Rishi, 4,886,778, Cl. 505-1.000.
  - Nation, John A.; and Greenwald, Shlomo, 4,835,446, Cl. 315-5.130.
  - Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, 4,849,142, Cl. 264-40.600.
  - Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, 4,871,496, Cl. 264-65.000.
  - Pollock, Clifford R.; Pinto, Joseph F.; and Georgiou, Efstratios, 4,839,009, Cl. 204-157.480.
  - Saxena, Brij B.; and Rathnam, Premila, 4,880,914, Cl. 530-395.000.
  - Theopold, Klaus H.; and Byrne, Erin K., 4,879,397, Cl. 556-11.000.
  - Timmons, Michael B.; and Kreher, Neal B., 4,889,741, Cl. 426-614.000.
  - Toledo-Flores, Luis J.; and Zall, Robert R., 4,832,972, Cl. 426-327.000.
  - Torng, Hwa C., 4,807,115, Cl. 364-200.000.
- Cornell Research Foundation Inc., Cornell University: *See—*
  - Scotto, Anthony W.; and Zakim, David, 4,873,089, Cl. 424-450.000.
- Cornell, Robert W., to United Technologies Corporation. Ballistically tolerant actuator. 4,831,920, 5-23-89, Cl. 92-258.000.
- Cornellier, J. Rene, to Corfin Technologies Inc. Tinning system for surface mount components. 4,799,450, 1-24-89, Cl. 118-63.000.
- Corner, Michael R.; Griffiths, Phillip N.; Holmes, Tom; and Kemp, Ian, to SP Tyres UK Limited. Wheel rim for a pneumatic tire. 4,836,260, 6-6-89, Cl. 152-375.000.
- Cornett, Frank N., to Motorola, Inc. High gain, programmable differential amplifier circuitry. 4,825,173, 4-25-89, Cl. 330-252.000.
- Cornett, Johnny A.; and Corbett, James D., to Sperry Marine Inc. Radar video detector and target tracker. 4,845,500, 7-4-89, Cl. 342-90.000.
- Cornette, Henri: *See—*
  - Arnau-Munoz, Jose L.; and Cornette, Henri, 4,835,804, Cl. 8-158.000.
  - Arnau-Munoz, Jose L.; and Cornette, Henri, 4,874,107, Cl. 220-20.000.
- Cornette, Michel A. G.; Carbonel, Jack; Franc, Jacques E. A.; and Grammont, Paul D. A., to Rohm and Haas Company. Alkylaminophosphonic chelating resins, their preparation and use in purifying brines. 4,818,773, 4-4-89, Cl. 521-32.000.
- Cornhill, Fred: *See—*
  - Tomei, L. David; Cornhill, Fred; Jagadeesh, Jogikal; and Bosinger, Michael, 4,877,966, Cl. 250-458.100.
- Cornia, Paul B.: *See—*
  - Baker, John R.; Spencer, Timothy T.; and Cornia, Paul B., 4,847,795, Cl. 364-579.000.
- Cornie, James A.; Kattamis, Theodoulos; Chambers, Brent V.; Bond, Bruce E.; and Varela, Raul H., to Massachusetts Institute of Technology. Method of making metal matrix composites reinforced with ceramic particulates. 4,853,182, 8-1-89, Cl. 420-129.000.
- Corniea, Donald G., to Liquipak International, Inc. Method and device for driving double bellows pump. 4,817,688, 4-4-89, Cl. 141-140.000.
- Corniea, Donald G., to Liquipak International, Inc. Double bellows purge valve. 4,838,462, 6-13-89, Cl. 222-377.000.
- Corniea, Donald G.; Marty, Steven J.; and McCaleb, David E., to Liquipak International, Inc. Adjustable fill motor assembly. 4,869,397, 9-26-89, Cl. 222-63.000.
- Corniea, Donald G.: *See—*
  - Drevfors, Gunnar; Corniea, Donald G.; and Paulson, Norman J., 4,840,205, Cl. 141-2.000.
- Cornillon, Jean-Paul: *See—*
  - Alexandre, Bernard; Cornillon, Jean-Paul; and Rollet, Georges, 4,838,435, Cl. 209-555.000.
- Cornils, Boy; Konkol, Werner; Bach, Hanswilhelm; Gick, Wilhelm; Wiebus, Ernst; Bahrmann, Helmut; and Hahn, Heinz-Dieter, to Ruhrchemie Aktiengesellschaft. Process for the preparation of aldehydes. 4,808,757, 2-28-89, Cl. 568-454.000.
- Cornils, Boy: *See—*
  - Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Konkol, Werner; and Wiebus, Ernst, 4,795,727, Cl. 502-161.000.
  - Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Diekhaus, Gerhard; Konkol, Werner; and Wiebus, Ernst, 4,801,754, Cl. 568-454.000.
  - Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Hahn, Heinz-Dieter; Konkol, Werner; and Wiebus, Ernst, 4,808,758, Cl. 568-454.000.
  - Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Gick, Wilhelm; Heim, Volker; Konkol, Werner; and Wiebus, Ernst, 4,879,418, Cl. 568-454.000.
- Corning Glass Works: *See—*
  - Alpha, James W.; Schermerhorn, Paul M.; and Teter, Michael P., 4,816,299, Cl. 427-221.000.
  - Beall, George H.; Pierson, Joseph E.; and Stookey, Stanley D., 4,814,297, Cl. 501-7.000.
  - Berkey, George E., 4,807,959, Cl. 350-96.210.
  - Berkey, George E., 4,822,389, Cl. 65-2.000.
  - Bhagavatula, Venkata A., 4,804,248, Cl. 350-96.150.
  - Bickford, Fred A.; and Wise, Warren M., 4,810,680, Cl. 501-103.000.
  - Borrelli, Nicholas F.; Smith, Dennis W.; and Wedding, Brent M., 4,832,724, Cl. 65-30.110.
  - Borrelli, Nicholas F.; and Wedding, Brent M., 4,840,655, Cl. 65-30.110.
  - Boudot, Jean E.; and Mazeau, Jean-Pierre, 4,822,758, Cl. 501-65.000.
  - Boudot, Jean E.; and Mazeau, Jean P., 4,839,314, Cl. 501-78.000.
  - Boylan, Elizabeth A.; and Fong, Gerald D., 4,847,138, Cl. 428-209.000.
  - Buckley, Milford L., 4,842,632, Cl. 65-38.000.
  - Chyung, Kenneth; Gadkaree, Kishor P.; Ketcham, Thomas D.; and Wusirika, Raja R., 4,804,643, Cl. 501-104.000.
  - Chyung, Kenneth; Dawes, Steven B.; Gadkaree, Kishor P.; Morena, Robert M.; and Taylor, Mark P., 4,808,460, Cl. 428-116.000.
  - Chyung, Kenneth; Gadkaree, Kishor P.; and Taylor, Mark P., 4,846,866, Cl. 65-18.300.
  - Connelly, John H., 4,830,990, Cl. 501-64.000.
  - Cooper, Reid F.; and Gadkaree, Kishor P., 4,806,428, Cl. 428-403.000.
  - DeMeritt, Jeffery A.; Patykula, Thomas E.; and Sachenik, Paul A., 4,797,144, Cl. 65-102.000.
  - DeMeritt, Jeffery A.; and Long, Richard A., 4,834,694, Cl. 350-96.210.
  - Dumbaugh, William H., Jr., 4,824,808, Cl. 501-66.000.
  - Duncan, John K., 4,868,360, Cl. 219-10.55E.
  - Gilliland, John W., 4,810,276, Cl. 65-3.120.
  - Kar, Gitimoy, 4,877,306, Cl. 350-96.330.
  - Keck, Donald B.; Lyons, Donald R.; and Nolan, Daniel A., 4,799,949, Cl. 65-3.120.
  - Lachman, Irwin M.; and Patil, Mallanagouda D., 4,800,187, Cl. 502-64.000.
  - Lipp, G. Daniel, 4,822,660, Cl. 428-113.000.
  - MacDowell, John F.; and Paisley, Robert J., 4,833,104, Cl. 501-10.000.
  - Marechal, Jean-Pierre; and Maschmeyer, Richard O., 4,854,958, Cl. 65-64.000.
  - Martin, Francis W., 4,853,349, Cl. 501-8.000.
  - Nelson, John W.; and Pinckney, Linda R., 4,814,298, Cl. 501-17.000.
  - Rittler, Hermann L., 4,826,628, Cl. 252-378.00R.
  - Rittler, Hermann L., 4,836,954, Cl. 252-378.00R.
  - Webb, Thomas W., 4,822,129, Cl. 350-96.180.
- Corning Incorporated: *See—*
  - Bagley, Rodney D.; and Wusirika, Raja R., 4,871,621, Cl. 428-549.000.
  - Beall, George H.; Pierson, Joseph E.; and Quinn, Candace J., 4,874,724, Cl. 501-10.000.
  - Bhagavatula, Venkata A., 4,877,304, Cl. 350-96.290.
  - Bhagavatula, Venkata A.; and Charlton, David E., 4,889,404, Cl. 350-96.160.
  - Borrelli, Nicholas F.; and Sachenik, Paul A., 4,854,957, Cl. 65-30.110.
  - Buckley, Milford L.; and Burke, Harry L., 4,883,525, Cl. 65-37.000.
  - Cain, Michael B.; Kannabiran, Rengan; and Urruti, Eric H., 4,867,775, Cl. 65-3.430.
  - Carpenter, Larry L.; Morrell, Mark L.; and Schrauth, Peter A., 4,883,528, Cl. 65-275.000.
  - Chen, Shih-Lu; Gadkaree, Kishor P.; and Mash, Joseph F., 4,853,350, Cl. 501-9.000.
  - Coppola, Frank; Dumbaugh, William H., Jr.; and Ryszytiwskyj, William P., 4,880,453, Cl. 65-23.000.
  - Day, John P.; and Locker, Robert J., 4,855,265, Cl. 501-128.000.
  - DeAngelis, Thomas P., 4,876,227, Cl. 501-97.000.
  - DeAngelis, Thomas P.; Lachman, Irwin M.; and Wusirika, Raja R., 4,888,317, Cl. 502-60.000.
  - Dumbaugh, William H., Jr.; and Hagy, Henry E., 4,855,260, Cl. 501-66.000.
  - Fine, Gerald J., 4,868,141, Cl. 501-59.000.
  - Frost, Rodney I., 4,877,766, Cl. 502-439.000.
  - Goepfert, Serge P. P.; and Guillevic, Gildas J. M., 4,865,668, Cl. 156-74.000.
  - Ketcham, Thomas D., 4,871,489, Cl. 264-9.000.
  - Lentz, William P., deceased, 4,875,917, Cl. 65-3.110.
  - MacDowell, John F., 4,861,734, Cl. 501-10.000.
  - Newhouse, Mark A.; Nolan, Daniel A.; and Weidman, David L., 4,877,300, Cl. 350-96.150.
  - Urruti, Eric H., 4,848,869, Cl. 350-96.330.
- Cornish, Darrell G.: *See—*
  - Grindrod, Paul E.; Griesbach, Ray H.; and Cornish, Darrell G., 4,866,911, Cl. 53-432.000.
- Cornish, Paul M.: *See—*
  - Rhoads, Thomas G.; and Cornish, Paul M., 4,883,374, Cl. 384-618.000.
- Cornish, Rodney H.: *See—*
  - Weber, James H.; and Cornish, Rodney H., 4,856,478, Cl. 123-407.000.
- Cornish, Verle E.: *See—*
  - Staley, Charles M.; and Cornish, Verle E., 4,880,568, Cl. 252-548.000.
- Cornish, William D.: *See—*
  - Conway, Larry J.; Pulsifer, Paul I.; and Cornish, William D., 4,866,441, Cl. 341-122.000.
- Cornu, Pierre: *See—*
  - Brahm, Jacques; Cornu, Pierre; Garnier, Pierre; Verlaeten, Jean; and Van Diest, Jacques, 4,857,292, Cl. 423-473.000.
- Corominas, Juan P.: *See—*
  - Constansa, Jordi F.; Pinol, Augusto C.; and Corominas, Juan P., 4,797,482, Cl. 544-33.000.
- Corompt, Antoine, to Bennes Marrel. Device for multi-directional tipping of a skip or container carried by a vehicle. 4,826,386, 5-2-89, Cl. 414-421.000.
- Corompt, Antoine, to Bennes Marrel. Device for the handling of a container. 4,848,619, 7-18-89, Cl. 220-1.500.
- Corona Clipper Company: *See—*
  - Maxwell, Georges A.; and Jasperson, Stephen, 4,809,433, Cl. 30-254.000.
- Corona Enterprises, Inc.: *See—*
  - Asada, Tahei, 4,806,226, Cl. 204-37.600.
- Corona, James; and Iida, Yoshio, to International Business Machines Corporation. Method and apparatus for drawing wide lines in a raster graphics display system. 4,819,185, 4-4-89, Cl. 364-518.000.
- Corona, Stephen C., to Xerox Corporation. Mechanism and method for controlling the temperature and output of an amalgam fluorescent lamp. 4,827,313, 5-2-89, Cl. 355-30.000.
- Coronado, Martin P., to Baker Hughes Incorporated. Inflatable tool for a subterranean well. 4,832,120, 5-23-89, Cl. 166-187.000.
- Coronet-Werke Heinrich Schlerf GmbH: *See—*
  - Weihrauch, Georg, 4,807,938, Cl. 300-21.000.
  - Weihrauch, Georg, 4,849,271, Cl. 428-88.000.
  - Weihrauch, Georg, 4,874,115, Cl. 222-386.000.
- Corovin GmbH: *See—*
  - Mente, Kurt, and Knitsch, Gerhard, 4,818,466, Cl. 264-555.000.
  - Mente, Kurt; and Knitsch, Gerhard, 4,847,035, Cl. 264-555.000.
- Corp, David O.: *See—*
  - Duthie, George A.; Frey, Mark C.; Gleadall, Wilfred L.; Skrovanek, Ambroz C.; and Corp, David O., 4,821,150, Cl. 361-395.000.
- Corpak, Inc.: *See—*
  - Nassif, George, 4,832,584, Cl. 417-477.000.
  - Quinn, David G.; Edwards, Robert B., II; and Andersen, Erik, 4,795,430, Cl. 604-97.000.
  - Quinn, David G.; Edwards, Robert B., II; Andersen, Erik; and Thompson, Michael Q., 4,834,712, Cl. 604-175.000.
- Corpal Systems, Inc.: *See—*
  - Quasnick, Robert J., 4,867,074, Cl. 108-51.300.
- Corporacion Nacional del Corbe de Chile: *See—*
  - Jorquera, Luis T., 4,848,750, Cl. 266-44.000.
- Corporate Communications Consultants, inc.: *See—*
  - Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,811,084, Cl. 358-22.000.
  - Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,823,184, Cl. 358-27.000.
  - Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,857,994, Cl. 358-22.000.
  - Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,862,251, Cl. 358-22.000.
  - Belmares-Sarabia, Armand; and Chayka, Stanley J., 4,866,511, Cl. 358-27.000.
- Corporation for Laser Optic Research: *See—*
  - Crowley, Ronald P., 4,851,918, Cl. 358-231.000.
- Corporation of the City of Toronto, The: *See—*
  - Dinneen, Maurice J., 4,840,531, Cl. 414-409.000.
- Corpron, Gary P.; Kleven, Lowell A.; and Johnson, Lawrence A., to Rosemount Inc. Optical displacement sensor. 4,806,016, 2-21-89, Cl. 356-373.000.
- Corrado, Daniel R., to Pennwalt Corporation. Residual analyzer assembly. 4,822,474, 4-18-89, Cl. 204-402.000.
- Corral, Cecilio M.; Perez, Carlos L.; and Fernandez, Jose F., to Valeo. Hydraulically controlled clutch actuation device. 4,869,355, 9-26-89, Cl. 192-98.000.
- Corrales, Patrick G.: *See—*
  - Borsuk, Leslie M.; Woith, Blake F.; and Corrales, Patrick G., 4,804,243, Cl. 350-96.200.
- Corrales, Richard C. Panoramic camera. 4,864,335, 9-5-89, Cl. 354-99.000.
- Corrao, Anthony J.: *See—*
  - Misevich, Kenneth W.; McGregor, Rob R.; and Corrao, Anthony J., 4,854,057, Cl. 36-114.000.
- Correa, Carlos G. Universal personal computer visor/organizer assembly. 4,863,242, 9-5-89, Cl. 350-276.00R.
- Correa, Cynthia J.: *See—*
  - Correa, German E.; and Correa, Cynthia J., 4,808,937, Cl. 328-155.000.
- Correa, David I. Fitted sheet and sheet-holding fixture for a waterbed. 4,833,744, 5-30-89, Cl. 5-496.000.
- Correa, German E.; and Correa, Cynthia J., to Hayes Microcomputer Products, Inc. Phase-locked loop for a modem. 4,808,937, 2-28-89, Cl. 328-155.000.
- Correa, German E.: *See—*
  - Easley, Matthew F.; Correa, German E.; Nash, Randy D.; Panella, Cynthia A.; and Tjahjadi, Taruna, 4,849,703, Cl. 328-63.000.
  - Tjahjadi, Taruna; Panella, Cynthia A.; Easley, Matthew F.; Nash, Randy D.; Sweitzer, Steven R.; Martin, John N.; Correa, German E.; and Thomas, George R., 4,868,864, Cl. 379-98.000.
- Correale, Anthony, to International Business Machines Corp. Method for providing engineering changes to LSI PLAs. 4,880,754, 11-14-89, Cl. 437-51.000.
- Correale, Mariano: *See—*
  - Maggioni, Paolo; Minisci, Francesco; and Correale, Mariano, 4,816,592, Cl. 549-462.000.
- Correard, Jean-Yves, to SAMES S.A. Apparatus for spraying a powder coating with enclosure surrounding a vibrating hose. 4,79[illegible],094, 1-3-89, Cl. 239-229.000.
- Correard, Jean-Yves, to SAMES S.A. Powder recovery method and device. 4,797,038, 1-10-89, Cl. 406-138.000.
- Correc, Pascal: *See—*
  - Bouley, Jean-Claude; and Correc, Pascal, 4,802,187, Cl. 372-96.000.
- Correll, Daniel J. System for laying communications cable especially adapted for aerially stringing fiber optic cable and adapted for interchangeable use with conventional cable. 4,8[illegible],856, 8-1-89, Cl. 254-134.30R.
- Correll, Glenn D.: *See—*
  - Cummings, Frederick L.; and Correll, Glenn D., 4,873,274, Cl. 523-500.000.
- Correll, Ronald E., to Tektronix, Inc. Traveling wave push-pull electron beam deflection structure having voltage gradient compensation. 4,812,707, 3-14-89, Cl. 313-435.000.
- Corren, Dean R. Computer system user interface. 4,827,410, 5-2-89, Cl. 364-200.000.
- Correnti, Frank. Universal dead bolt. 4,815,774, 3-28-89, Cl. 292-145.000.
- Correnti, Frank. Sliding door and lock combination. 4,872,715, 10-10-89, Cl. 292-302.000.
- Correro, Dominic F. Electric game. 4,848,767, 7-18-89, Cl. 273-138.00A.
- Correy, Thomas B., to Battelle Memorial Institute. Welding arc initiator. 4,829,153, 5-9-89, Cl. 219-130.400.
- Corridori, Anthony J., to Augat Inc. Floatable surface mount terminal. 4,854,882, 8-8-89, Cl. 439-83.000.
- Corrie, John D.: *See—*
  - Littler, Vincent H.; and Corrie, John D., 4,816,960, Cl. 363-131.000.
- Corrie, Narelle G.; and Read, Robert J. R., to Steaka-Maka Marketing Pty Limited. Food compressor. 4,885,822, 12-12-89, Cl. 17-39.000.
- Corriea, David J.: *See—*
  - Moe, Rolf; Corriea, David J.; and Premeau, John E., 4,850,381, Cl. 134-62.000.

  - Moe, Rolf; Corriea, David J.; and Premeau, John E., 4,875,824, Cl. 414-751.000.
- Corrigan, Alfred E.: *See—*
  - Mauchan, Donald E.; and Corrigan, Alfred E., 4,886,732, Cl. 430-210.000.
- Corrigan, Colleen M.; Hunter, Lawrence W.; and Modry, John A., to International Business Machines Corporation. Apparatus and method for extracting documentation text from a source code program. 4,860,203, 8-22-89, Cl. 364-300.000.
- Corrigan, Dennis, to Atlantic Richfield Company. Predictive noise filtering of multi-component seismic data. 4,853,902, 8-1-89, Cl. 367-44.000.
- Corrigan, Dennis A. Electrooptical device. 4,865,428, 9-12-89, Cl. 350-357.000.
- Corrigan, Dennis A., to General Motors Corporation. Hydrogen generator having a low oxygen overpotential electrode. 4,882,024, 11-21-89, Cl. 204-242.000.
- Corrigan, Eugene E.: *See—*
  - Bardsley, Robert F.; and Corrigan, Eugene E., 4,804,550, Cl. 426-397.000.
- Corrigan, Eugene J.; and Atkinson, Earl R., Jr., to A. H. Robins Company, Incorporated. Co-extrustion of multi-component insecticidal pet collars. 4,803,956, 2-14-89, Cl. 119-106.000.
- Corrigan, Gerald E.: *See—*
  - Levine, Stephen N.; Puhl, Larry C.; Bliss, Harry M.; and Corrigan, Gerald E., 4,803,726, Cl. 380-48.000.
- Corrigan, John E., to Carrot Top Inc. Method of spraying water mist onto produce in a display case. 4,882,189, 11-21-89, Cl. 426-506.000.
- Corrigan, Robert F. Foot powered ice auger. 4,817,735, 4-4-89, Cl. 173-30.000.
- Corrigau, James F., III. Constantly changing polyphonic pitch controller. 4,794,838, 1-3-89, Cl. 84-1.010.
- Corring, Robert, to Lever Brothers Company. Viscoelastic gel detergent compositions. 4,836,948, 6-6-89, Cl. 252-99.000.
- Corriu, Robert; Cerveau, Genevieve; Chuit, Claude; Reye, Catherine; and Boudin, Alain, to Rhone-Poulenc Chimie. New organomagnesium complexes in solid form, process for their preparation, and their use. 4,835,316, 5-30-89, Cl. 564-505.000.
- Corriu, Robert J.; Cerveau, Genevieve E.; Chuit, Claude G.; and Reye, Catherine, to Centre National de la Recherche Scientifique. New hexacoordinate silicon complexes, the process for their preparation and their application. 4,841,084, 6-20-89, Cl. 556-464.000.
- Corriveau, Joseph A. Air disperser for air conditioner/heater ducts. 4,852,470, 8-1-89, Cl. 98-39.100.
- Corrosion Service Company Limited: *See—*
  - Webster, Harold A., 4,863,578, Cl. 204-197.000.
- Corrothers, Robert S., to Cams, Inc. Multi-mode force control circuit. 4,812,722, 3-14-89, Cl. 318-561.000.
- Corrpro Companies, Inc.: *See—*
  - Kochilla, Richard J.; and Esterle, Otto J., 4,798,657, Cl. 204-147.000.
- Corrugated Products Limited: *See—*
  - Haggart, John A., 4,854,483, Cl. 222-95.000.
- Corsberg, Daniel R., to United States of America, Energy. Functional relationship-based alarm processing system. 4,812,819, 3-14-89, Cl. 340-517.000.
- Corsentino, John A.: *See—*
  - Korbach, William; Corsentino, John A.; Jones, Allen R.; and McCaskie, John E., 4,836,897, Cl. 204-51.000.
- Corser, George; Hammond, Gary C.; and Eddy, Dale P., to GMI Engineering & Management Institute. Flow meter and method of measuring flow. 4,838,093, 6-13-89, Cl. 73-861.530.
- Corser, George A.: *See—*
  - Hammond, Gary C.; Corser, George A.; and Eddy, Dale P., 4,860,594, Cl. 73-861.420.
- Corsette, Douglas F., to Calmar Inc. Viscous product dispenser. 4,872,596, 10-10-89, Cl. 222-380.000.
- Corsetti, Carmine: *See—*
  - Alberico, Joseph S.; Corsetti, Carmine; and Brandolino, Fiore, 4,819,687, Cl. 137-367.000.
- Corsetti, John A. Ceiling fan blade cleaning devices. 4,827,556, 5-9-89, Cl. 15-244.100.
- Corsetti, Lawrence V.: *See—*
  - Perrotti, Patrick A.; Joffre, Paul F.; Karoutas, Zeses E.; Corsetti, Lawrence V.; Bryan, William J.; and Hatfield, Stephen C., 4,879,090, Cl. 376-462.000.
- Corsi, Armando, to Jobs S.p.a. Apparatus and a method of support and retaining a curved sheet in position. 4,838,531, 6-13-89, Cl. 269-21.000.
- Corsi, Vincent R.; and Citrone, Gaetano W. Wheeled chair restraint. 4,872,534, 10-10-89, Cl. 188-32.000.
- CorSling, Inc.: *See—*
  - Symonds, Darrell; King, Kenneth R.; and Smith, William N., 4,796,939, Cl. 294-67.100.
- Corsmeier, Robert J.; and Kelm, James S., to General Electric Company. Stator vane mounting method and assembly. 4,868,963, 9-26-89, Cl. 29-156.80R.
- Corsmeier, Robert J.: *See—*
  - Reigel, James R.; Corsmeier, Robert J.; Bertke, James H.; and Lenahan, Dean T., 4,882,902, Cl. 60-39.750.
- Corso, Anthony J.: *See—*
  - Thompson, Glenn A.; Corso, Anthony J.; and Steuernagel, Hans H., 4,855,411, Cl. 534-629.000.
- Corso, Joseph A.: *See—*
  - Arnold, Anthony F.; Corso, Joseph A.; Kapur, Shukla; Lange, Walter F.; and Shih, Da-Yuan, 4,835,593, Cl. 357-71.000.
- Corso, Nicholas P.: *See—*
  - Robbat, Jr. Albert; and Corso, Nicholas P., 4,801,430, Cl. 422-52.000.
- Corson, James R.; Hubbard, Benjamin W.; and Steinaway, Veryl F., to R & B Machine Tool Company. Reciprocating tool spindle and tool changer mechanism operable during spindle backstroke. 4,807,353, 2-28-89, Cl. 29-568.000.
- Corsten, Leonard; Collienne, Franz-Joseph; and Nicolin, Johannes, to Waggonfabrik Talbot. Suspension arrangement for rail vehicles. 4,841,875, 6-27-89, Cl. 105-224.050.
- Cort, Joseph H.; and Fischman, Alan J., to Vega Laboratories, Inc. N-substituted derivatives of 1-desaminovasopressin. 4,829,051, 5-9-89, Cl. 514-11.000.
- Cort, Robert W., to Hewlett-Packard Company. Ferrite toroid isolator 4,818,957, 4-4-89, Cl. 333-12.000.
- Cortell, Dominick J.: *See—*
  - Humble, Walter P.; Durkos, John C.; DiMargio, Nick A.; Cortell, Dominick J.; and Syak, Charles W., 4,838,523, Cl. 256-13.100.
- Cortellino, Charles A.: *See—*
  - Ahn, Kie Y.; Basavaiah, Saryadevara; Brodsky, Stephen B.; Cortellino, Charles A.; and Levine, Joseph E., 4,803,110, Cl. 428-137.000.
- Cortes, Nestor E., to Omega Engineering, Inc. Mounting clip for a thermocouple assembly. 4,830,515, 5-16-89, Cl. 374-208.000.
- Cortese, Richard: *See—*
  - Eckenhoff, James B.; Cortese, Richard; and Landrau, Felix A., 4,844,984, Cl. 424-438.000.
  - Eckenhoff, James B.; Magruder, Judy A.; Cortese, Richard; Peery, John R.; and Wright, Jeremy C., 4,855,141, Cl. 424-423.000.
  - Guittard, George V.; Wong, Patrick S. L.; Theeuwes, Felix; and Cortese, Richard, 4,859,470, Cl. 424-473.000.
  - Wong, Patrick S. L.; Theeuwes, Felix; Cortese, Richard; and Eckenhoff, James B., 4,824,675, Cl. 424-438.000.
- Cortesi, Paolo: *See—*
  - Ceresa, Emiliano M.; Gennaro, Antonio; and Cortesi, Paolo, 4,818,515, Cl. 423-625.000.
- Cortesi, Roy L. Container with lining bag dispenser. 4,798,363, 1-17-89, Cl. 248-97.000.
- Cortesi, Roy L. Game and apparatus for playing the game. 4,834,384, 5-30-89, Cl. 273-123.00R.
- Corteville, Jacques; Pauc, Andre; and Hoffmann, Frederic, to Institut Francais du Petrole. Device for positioning a tool or instrument in a duct. 4,860,825, 8-29-89, Cl. 166-68.000.
- Corti, Aldo; and Falcon, John A., to Gulf Canada Resources Limited and RTR Oil Sands (Alberta) Ltd. Method and apparatus for treatment of oil contaminated sludge. 4,812,225, 3-14-89, Cl. 208-13.000.
- Corti, Aldo; and Falcon, John A., to Gulf Canada Resources Limited and Alberta RTR Oil Sands (Ltd.). Method for separation of heterogeneous phases. 4,828,688, 5-9-89, Cl. 208-391.000.
- Corti, Ciulio: *See—*
  - Abbate, Mariarosa, 4,836,192, Cl. 128-38.000.
- Cortial, Henri: *See—*
  - Lazzari, Jean-Pierre; and Cortial, Henri, 4,851,018, Cl. 55-356.000.
- Cortial, Jean-Loup, to Hospal Industrie. Method and system for pumping two liquids in equal quantities in an artificial kidney. 4,857,199, 8-15-89, Cl. 210-646.000.
- Cortiana, Giorgio: *See—*
  - Cinel, Luciano; Cortiana, Giorgio; Freschie, Filippo; Cecchernu, Gianni; and Cocchi, Vittorio, 4,844,132, Cl. 139-449.000.
- Cortina International Corp.: *See—*
  - Lin, Jui S.; and Lin, Daniel, 4,804,193, Cl. 273-376.000.
- Cortinovis, Paolo, to Linea A S.r.l. Fixing clamp for straightening the bodywork of accident-damaged automobiles, and in particular the sheet metal setas for MacPherson suspension heads. 4,825,679, 5-2-89, Cl. 72-308.000.
- Cortolano, Frank: *See—*
  - Steinberg, David H.; and Cortolano, Frank, 4,797,218, Cl. 252-47.500.
- Cortopassi, Jeffery J., to Taco Bell. Multi-compartmented container arrangement. 4,807,776, 2-28-89, Cl. 220-23.830.
- Corver, Jozef; A. W. M.: *See—*
  - Berkhout, Ronald; Van Stiphout, Johannes G. V.; Corver, Jozef; A. W. M.; Hoep, Antoon L.; and Knapen, Berend J., 4,884,188, Cl. 346-160.100.
- Corvino, Phil; and McCormick, Tom, to Reliance Comm/Tec Corporation. System for providing power to a central office protector module with alarm indicator and including remote alarm indication 4,862,314, 8-29-89, Cl. 361-119.000.
- Corvita Corporation: *See—*
  - MacGregor, David C., 4,880,002, Cl. 125-335.500.
  - Pinchuk, Leonard, 4,798,606, Cl. 623-1.000.
  - Pinchuk, Leonard, 4,810,749, Cl. 524-730.000.
  - Pinchuk, Leonard, 4,851,009, Cl. 623-66.000.
  - Pinchuk, Leonard; and Martin, John B., Jr., 4,872,455, Cl. 128-305.000.
  - Pinchuk, Leonard, 4,882,148, Cl. 424-423.000.
- Corwin, Richard R.: *See—*
  - Allen, James P.; and Corwin, Richard R., 4,872,909, Cl. 75-101.00R.
- Corwon, Michael E.; and Oliver, Randy L., to Schlumberger Industries, Inc. Omega-shaped, coriolis-type mass flow rate meter 4,852,410, 8-1-89, Cl. 73-861.380.
- Cory, Robert M., to General Dynamics Land Systems, Inc. Pin and bushing assembly for shoe assembly of track laying vehicle. 4,840,438, 6-20-89, Cl. 305-36.000.
- Cory, Robert M., to General Dynamics Land Systems, Inc. Hollow pin assembly for shoe assembly of track laying vehicle. 4,871,216, 10-3-89, Cl. 305-58.00R.
- Cory, Roger P.: *See—*
  - Pichel, Marlowe A.; McDiarmid, James; Pfefferkorn, Glenn A.; and Cory, Roger P., 4,823,735, Cl. 118-730.000.
- Cosack, Klaus: *See—*
  - Chakraborty, Asok; Urlaub, Herbert; Grof, Franz; and Cosack, Klaus, 4,874,513, Cl. 210-321.840.
- Cosaert, Pierre, to N.V. Bekaert S.A. Reel land crate containing one or more reels according to the invention. 4,863,028, 9-5-89, Cl. 206-391.000.
- Cosan Chemical Corporation: *See—*
  - Gaglani, Kamlesh; and Eilender, Albert, 4,841,064, Cl. 548-215.000.
  - Gaglani, Kamlesh; and Eilender, Albert L., 4,855,312, Cl. 514-374.000.
- Cosandier, Paul-Andre. Prop support for plants grown in boxes. 4,839,987, 6-20-89, Cl. 47-70.000.
- Cosar, Paul, to Fives-Cail Babcock. Apparatus for the combustion of poorly combustible fuels. 4,809,620, 3-7-89, Cl. 110-263.000.
- Coscia, Charles M.: *See—*
  - Fielder, William A.; and Coscia, Charles M., 4,801,479, Cl. 428-31.000.
- Cosco, Inc.: *See—*
  - Knoedler, Roy E.; Morton, Kenneth P.; and Schroer, Charles E., 4,799,700, Cl. 280-87.051.
  - Moore, Donald L.; Spilman, Raymond; and Pendleton, Thomas, 4,844,566, Cl. 312-108.000.
  - Spilman, Raymond; Krapowicz, Jacob; and Fowler, Alvin, 4,807,872, Cl. 272-86.000.
- Cosentino, Frank: *See—*
  - Sanyal, Amalendu; Moy, Peter; and Cosentino, Frank, 4,872,261, Cl. 29-840.000.
- Cosentino, Leonard J.; and Rubin, Harold. Hygienic device. 4,815,456, 3-28-89, Cl. 128-859.000.
- Cosentino, Patrick A.; Shea, Amy L.; Haefner, Michael E.; Ziegler, Douglas V.; Murphy, Thomas E.; and Bubie, Walter C., to Eastman Kodak Company. Process for producing human-computer interface prototypes. 4,866,638, 9-12-89, Cl. 364-521.000.
- Cosentino, Stephen J.: *See—*
  - Mauntel, Richard W.; Cosentino, Stephen J.; Parrillo, Louis C.; and Holly, Patrick J., 4,808,555, Cl. 437-191.000.
- Cosenza, Frank J.; and Warkentin, Roy L., to Rexnord Inc. Method for making and using a locking beam nut. 4,805,288, 2-21-89, Cl. 29-426.500.
- Cosgrave, Dara, and Roydhouse, John. Fracturable-key activated control system. 4,871,053, 10-3-89, Cl. 194-208.000.
- Cosgrove, Patrick A.: *See—*
  - Backus, Richard J.; and Cosgrove, Patrick A., 4,821,073, Cl. 355-68.000.
- Cosgrove, Ronald C.; and Barrowclough, Philip, to ITW, Ltd. Closure assemblies. 4,809,869, 3-7-89, Cl. 220-288.000.
- Coslovi, Giuliano; and Casalegno, Italo, to Ausonia S.p.A. Textile manufactured article for contact fastener. 4,854,136, 8-8-89, Cl. 66-191.000.
- Cosmai, Pietro, to SICIM SpA. Portable endermic injector. 4,850,967, 7-25-89, Cl. 604-68.000.
- Cosmai, Pietro, to SICIM SpA. Loader-mixer device for endermic injectors. 4,856,567, 8-15-89, Cl. 141-302.000.
- Cosman, Armond D.; and Minarovic, Joe T., to Minnesota Mining and Manufacturing Company. System and method with passive resonant circuit markers for locating buried electrical conductors. 4,866,388, 9-12-89, Cl. 324-326.000.
- Cosman, David J., to Immunex Corporation. Use of interleukin-1 to induce development of multipotent hemopoietic cell populations. 4,808,611, 2-28-89, Cl. 514-12.000.
- Cosman, David J.: *See—*
  - Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.3[illegible]0.
- Cosman, Eric R.; and Onik, Gary M. Localization device for probe placement under CT scanner imaging. 4,838,265, 6-13-89, Cl. 128-303.00B.
- Cosmetic Production: *See—*
  - Vola, Jean-Jacques, 4,889,254, Cl. 220-23.400.
- Cosmo Instruments Co., Ltd.: *See—*
  - Uchiyama, Yoshichika; and Tsuchiya, Atsushi, 4,875,932, Cl. 73-202.000.
- Cosmo Oil Company, Ltd.: *See—*
  - Yamamoto, Yojiro, 4,828,704, Cl. 210-635.000.
  - Yamazoe, Seigo; and Tsuji, Hiroshi, 4,843,247, Cl. 250-573.000.
- Cosmolab, Inc.: *See—*
  - Porter, A. Michael; Spivey, J. R.; and Dee, William J., 4,828,419, Cl. 401-126.000.
- Cosmos Chemical, Inc.: *See—*
  - Jabalee, Gerald, 4,810,406, Cl. 252-87.000.
- Cosmos, Pete; Mosser, Benjamin H., III; and Ohl, William C., to AMP Incorporated. One-piece shield for a circular din. 4,842,554, 6-27-89, Cl. 439-609.000.
- Cosmos, Peter; and Ohl, William C., to AMP Incorporated. Circular DIN receptacle cover for latching plug. 4,842,555, 6-27-89, Cl. 439-609.000.
- Cosner, Lane W., to Hughes Aircraft Company. Multiple exposure hologram for minimizing crosstalk. 4,889,780, 12-26-89, Cl. 430-1.000.
- Coss, Malcolm M.; and Tolman, Richard L., to Merck & Co., Inc. Alkylpiperazinylpyridines as hypoglycemic agents. 4,876,256, 10-24-89, Cl. 514-252.000.
- Cossement, Eric; Geerts, Jean-Pierre; Gobert, Jean; and Michel, Philippe, to U C B, S.A. Substituted 1H-imidazoles. 4,814,343, 3-21-89, Cl. 514-397.000.
- Cosset, Jean M.: *See—*
  - Azam, Guy; Convert, Guy; Cosset, Jean M.; Dufour, Jacques; and Mabire, Jean P., 4,821,725, Cl. 128-420.00A.
- Cosson, Keith J. Agricultural implements. 4,828,041, 5-9-89, Cl. 172-509.000.
- Cosson, Keith J. Stalk cutting apparatus. 4,884,391, 12-5-89, Cl. 56-53.000.
- Cossor Electronics Limited: *See—*
  - Bond, Kevin J., 4,864,314, Cl. 343-700.0MS.
- Costa, Alessandro. Conveyor and devices for conveying movable planes on automatic distribution lines showing a plan preferably quadrangular. 4,801,003, 1-31-89, Cl. 198-802.000.
- Costa, Bruno. Process for generating electrical energy by oxidation of a solid fuel in liquid metal. 4,826,740, 5-2-89, Cl. 429-17.000.
- Costa, Erminio: *See—*
  - Karoum, Farouk; and Costa, Erminio, 4,863,962, Cl. 514-561.000.
- Costa, Irenio. Rotary hydraulic piston motor with fluid path in pistons for inlet pressure. 4,806,085, 2-21-89, Cl. 418-184.000.
- Costa, Larry J., to Valmont Industries, Inc. Shunt latch. 4,857,876, 8-15-89, Cl. 336-165.000.
- Costa, Sylvestre M.: *See—*
  - Elkin, Alfred A.; and Costa, Sylvestre M., 4,874,446, Cl. 156-66.000.
- Costagliola, Michel, to Walton Medical. Device for garroting the breast. 4,813,414, 3[illegible]9, Cl. 128-303.00R.
- Costain Petrocarbon Limited: *See—*
  - Tomlinson, Terence R.; and Czarnecki, Bogdan, 4,846,863, Cl. 62-24.000.
- Costales, Mark J.: *See—*
  - Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.
  - Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,886,883, Cl. 544-263.000.
- Costall, Brenda, to National Research Development Corporation. Antipsychotic compositions containing dioxopiperidine derivatives. 4,877,800, 10-31-89, Cl. 514-328.000.
- Costall, Brenda: *See—*
  - Acher, Jacques; Monier, Jean-Claude; Schmitt, Jean-Paul; Gardaix-Luthereau, Renee; Costall, Brenda; and Naylor, Robert, 4,835,172, Cl. 514-392.000.
- Costantini, Michel; and Igersheim, Francoise, to Rhone-Poulenc Chimie. Cyclohexanol/cyclohexanone mixtures produced from cyclohexane. 4,877,903, 10-31-89, Cl. 568-342.000.
- Costantino, Cirillo L.: *See—*
  - Horst, Robert W.; Lynch, Shannon J.; Costantino, Cirillo L.; and Beirne, John M., 4,800,486, Cl. 364-200.000.
  - Horst, Robert W.; and Costantino, Cirillo L., 4,823,252, Cl. 371-8.000.
- Costantino, Rocco: *See—*
  - Boccalon, Gianfranco; Costantino, Rocco; and Zanobi, Antonio, 4,814,199, Cl. 427-38.000.
- Costanzi, Fabio: *See—*
  - Geri, Sergio; Costanzi, Fabio; Cirillo, Gianna; and Moggi, Giovanni, 4,831,083, Cl. 525-199.000.
- Costanzi, Silvestro: *See—*
  - Greco, Alberto; Cassar, Luigi; Costanzi, Silvestro; and Neri, Carlo, 4,888,375, Cl. 524-262.000.
- Costanzo, Jerome L.: *See—*
  - McNally, Donal; LaNieve, H. Leslie; and Costanzo, Jerome L., 4,880,866, Cl. 524-504.000.
- Costar Corporation: *See—*
  - Lyman, George; and Mathus, Gregory, 4,824,642, Cl. 422-100.000.
- Costas, John P., to Cogent Systems, Inc. Apparatus and method for quantizing a set of weights for a weighted sum signal processing system. 4,807,174, 2-21-89, Cl. 364-724.030.
- Costas, John P., to Cogent Systems, Inc. Limited shift signal processing system and method. 4,811,259, 3-7-89, Cl. 364-724.160.
- Costas, John P., to Cogent Systems, Inc. Apparatus and method of quantizing a set of weights for a weighted sun signal processing system. 4,835,724, 5-30-89, Cl. 364-724.030.
- Coste, Benoit; and Vanvoren, Claude. Apparatus for relaxing stresses at the end of oedometric compacting of a mixture of an aggregate and a binder. 4,826,419, 5-2-89, Cl. 425-330.000.
- Costell, Joshua D.: *See—*
  - Manning, Peter J.; Costell, Joshua D.; and Beckerman, Howard L., 4,864,829, Cl. 62-85.000.
- Costello, John F. Trinary bus communication system. 4,860,309, 8-22-89, Cl. 375-17.000.
- Costello, Lloyd M. Phone screen security system. 4,860,347, 8-22-89, Cl. 379-199.000.
- Costello, Norman F.: *See—*
  - Hughes, Gregory G.; Costello, Norman F.; and Guntly, Leon, 4,829,780, Cl. 62-288.000.
  - Larrabee, Scott R.; and Costello, Norman F., 4,834,171, Cl. 165-140.000.
- Costello, Philip: *See—*
  - Breuer, Edgar; Costello, Philip; Gondek, Konrad; Hauswirth, Andreas; and Schmid, Richard, 4,850,761, Cl. 409-132.000.

- Coster, A. Arthur: *See—*
  - Fox, Kenneth R.; and Coster, A. Arthur, 4,800,876, Cl. 128-303.100.
  - Fox, Kenneth R.; and Coster, A. Arthur, 4,848,336, Cl. 128-303.100.
- Coster, Harmen Z. K., to Borg-Warner Chemicals, Inc. Preparation of thermoformed plastics articles. 4,824,907, 4-25-89, Cl. 525-86.000.
- Coster, John H., to Hewlett-Packard Company. Clock signal generation. 4,835,491, 5-30-89, Cl. 331-2.000.
- Costerton, J. William F.; Cusack, Francene; MacLeod, Fraser A.; and Cyr, Theodore J., to Alberta Oil Sands Technology and Research Authority. Microbial process for selectively plugging a subterranean formation. 4,800,959, 1-31-89, Cl. 166-246.000.
- Costes, Michel L.; Dalboussiere, Gerard; and Barker, Kenneth J., to International Business Machines Corp. Very high speed line adapter for a communication controller. 4,809,155, 2-28-89, Cl. 364-200.000.
- Costescu, Dan L.: *See—*
  - Anderle, Friedrich; Costescu, Dan L.; Kempf, Stefan; Novak, Emmerich; and Zejda, Jaroslav, 4,886,592, Cl. 204-298.000.
- Costigan, Terry: *See—*
  - Perini, Richard; and Costigan, Terry, 4,805,287, Cl. 29-407.000.
- Costilow, Warren M.; and Fletcher, Roger L. Leg anterior muscle exerciser. 4,813,666, 3-21-89, Cl. 272-96.000.
- Costin, Darryl J.: *See—*
  - Johnston, Norman W.; and Costin, Darryl J., 4,813,198, Cl. 52-171.000.
- Costin, Dinu, and Citron, Howard, to Robotic Vision Systems, Inc. Passive positioning apparatus. 4,802,800, 2-7-89, Cl. 409-131.000.
- Costlow, Annette M.: *See—*
  - Arzenti, Thomas E.; Pirl, William E.; and Costlow, Annette M., 4,829,648, Cl. 29-157.400.
- Costlow, Raymond J.; and Bates, Alvin G., to Johns Hopkins University, The. RF circuit utilizing a voltage controlled saw oscillator. 4,868,524, 9-19-89, Cl. 331-16.000.
- Costruzione Macchine Speciali C.M.S. srl: *See—*
  - Lapini, Corrado; and Esposito, Franco, 4,872,305, Cl. 59-18.000.
- Costruzioni Aeronautiche Giovanni Agusta S.p.A.: *See—*
  - Pariani, Emilio; Caramaschi, Vittorio; and Castelli, Pierluigi, 4,808,075, Cl. 416-140.000.
  - Pariani, Emilio, 4,828,458, Cl. 416-141.000.
- Costruziono Aeronautiche Giovanni Agusta S.p.A.: *See—*
  - Ballerio, Dante; and Pancotti, Santino, 4,809,930, Cl. 244-17.110.
- Cosworth Research & Development Limited: *See—*
  - Wilkins, Philip S. A., 4,804,032, Cl. 164-34.000.
- Cosyns, Jean: *See—*
  - Boitiaux, Jean-Paul; and Cosyns, Jean, 4,849,577, Cl. 585-820.000.
- Cota, Albert O.: *See—*
  - Campbell, Jonathan L., 4,831,627, Cl. 372-37.000.
- Cote, Alfred J., Jr., to Johns Hopkins University, The. Speech waveform analyzer and a method to display phoneme information. 4,833,716, 5-23-89, Cl. 381-48.000.
- Cote, Anselme: *See—*
  - Chanvin, Jean-Louis; Cote, Anselme; and Menou, Georges, 4,847,894, Cl. 379-104.000.
- Cote, Daniel, to Videocolor. Cathode-inserting machine for cathode-ray tube. 4,846,748, 7-11-89, Cl. 445-63.000.
- Cote, Daniel, to Videocolor. Machine for inserting cathodes in cathode tube guns. 4,850,920, 7-25-89, Cl. 445-63.000.
- Cote, Denis: *See—*
  - Cournoyer, Andre; Berard, Serge; and Cote, Denis, 4,838,045, Cl. 66-196.000.
- Cote, Jean-Marie, to Forest Engineering Research Institute of Canada. Suspension system for a bogie vehicle. 4,861,065, 8-29-89, Cl. 280-678.000.
- Cote, Paul F., to Gardoc, Inc. Method of forming a patterned aluminum layer and article. 4,869,778, 9-26-89, Cl. 156-635.000.
- Cote, Warren E. Boat trailer. 4,858,943, 8-22-89, Cl. 280-414.100.
- Cote, William F.; and Smyth, Robert R., to Eaton Corporation. Method for controlling art system including wheel lock-up detection and tolerance. 4,843,559, 6-27-89, Cl. 364-424.050.
- Cote, William F.; and Speranza, Donald, to Eaton Corporation. Method for controlling AMT system including speed sensor signal fault detection and tolerance. 4,849,899, 7-18-89, Cl. 364-424.010.
- Cote, William F.: *See—*
  - Mack, William J.; and Cote, William F., 4,833,613, Cl. 364-424.050.
- Cote, William J.; Kenney, Donald M.; Kerbaugh, Michael L.; Leach, Michael A.; Robinson, Jeffrey A.; and Sweetser, Robert W., to International Business Machines Corporation. Process for defining organic sidewall structures. 4,838,991, 6-13-89, Cl. 156-643.000.
- Cothran, Michael W.; and Nelson, Alvin T., III. Adjustable anchor bracket for non-invasive attachment to masonry wall. 4,872,629, 10-10-89, Cl. 248-231.200.
- Cotillier, James C., Sr. Aerial fish probe. 4,850,128, 7-25-89, Cl. 43-4.000.
- Coto, Guillermo; Welter, Curtis L.; and Patrikios, Michael, to American Technology, Inc. Ultrasonically welding a conductor wire to an electrical terminal. 4,817,814, 4-4-89, Cl. 228-110.000.
- Coto, Guillermo: *See—*
  - Welter, Curtis; Coto, Guillermo; Patrikios, Michael; and Hawkins, Rodney H., 4,799,614, Cl. 228-1.100.
  - Welter, Curtis; Coto, Guillermo; Patrikios, Michael; and Hawkins, Rodney, 4,867,370, Cl. 228-110.000.
- Cotone, Cris A. Reciprocating rolling massager with varying pressure and varying wheel placement. 4,875,470, 10-24-89, Cl. 128-57.000.
- Cotreau, Gerald M., to Harris Corporation. High accuracy current source and high accuracy transconductance stage. 4,879,520, 11-7-89, Cl. 330-257.000.
- Cotreau, Gerald M., to Harris Corporation. High accuracy, high impedance differential to single-ended current converter. 4,879,523, 11-7-89, Cl. 330-288.000.
- Cotrel, Claude: *See—*
  - Barriere, Jean-Claude; Cotrel, Claude; and Paris, Jean-Marc, 4,798,827, Cl. 514-183.000.
- Cotrel, Yves P. C. A., to Societe de Fabrication de Materiel Orthopedique (SOFAMOR). Device for supporting the rachis. 4,815,453, 3-28-89, Cl. 128-69.000.
- Cotriss, E. James: *See—*
  - Herlein, Richard F.; Davis, Jeffrey A.; and Cotriss, E. James, 4,820,944, Cl. 307-603.000.
- Cotsakis, Daniel J.: *See—*
  - Backenstow, Don E.; Cotsakis, Daniel J.; and Gish, Laura E., 4,849,268, Cl. 428-57.000.
- Cotsford, Stephen G., to Tamper Corp. Undercutter with rotary trencher. 4,858,344, 8-22-89, Cl. 37-104.000.
- Cotswold Architectural Products Limited: *See—*
  - Wronski, Yurek A., 4,878,699, Cl. 292-143.000.
- Cotta, Gilbert A., to Senco Products, Inc. Power regulator for a pneumatic fastener driving tool. 4,821,941, 4-18-89, Cl. 227-130.000.
- Cottam, Howard B.: *See—*
  - Robins, Roland K.; and Cottam, Howard B., 4,880,784, Cl. 514-48.000.
- Cottam, Spencer D. Robotic crawling device. 4,865,140, 9-12-89, Cl. 180-8.500.
- Cotten, E. Ray: *See—*
  - Dove, W. Earl; and Cotten, E. Ray, 4,809,434, Cl. 30-140.000.
- Cottenceau, Remi; Zurcher, Erwin; and Vermot-Gaud, Jacques, to Sipra Patententwicklungs-und Beteiligungsgesellschaft mbH. Device for controlling the knitting positions of the needles in a knitting machine. 4,827,740, 5-9-89, Cl. 66-75.100.
- Cottenceau, Remi; and Zurcher, Erwin, to Mesdan S.p.A. Universal method for loosening and unravelling a textile yarn and device for carrying out this method. 4,829,759, 5-16-89, Cl. 57-22.000.
- Cottenceau, Remi; and Zurcher, Erwin, to Mesdan S.p.A. Apparatus for loosening and unravelling a yarn. 4,888,943, 12-26-89, Cl. 57-22.000.
- Cottenceau, Remi: *See—*
  - Vermot-Gaud, Jacques; Cottenceau, Remi; and Zuercher, Erwin, 4,875,347, Cl. 66-219.000.
- Cotter, David: *See—*
  - Smith, David W.; Cotter, David; and Wyatt, Richard, 4,807,953, Cl. 350-96.150.
- Cotter, George E.: *See—*
  - Wedgwood, Janet E.; Berde, Dennis W.; Bocskor, Steven J.; and Cotter, George E., 4,856,079, Cl. 455-50.000.
- Cotter, Jeffrey J., to Paulucci, Jeno F. Food order/delivery system. 4,797,818, 1-10-89, Cl. 364-401.000.
- Cotter, Neil J.: *See—*
  - Mendenhall, David W.; Marian, Steve P.; Goff, Jay T.; Cotter, Neil J.; and Corbesero, Steve R., 4,881,901, Cl. 439-65.000.
- Cotter, Robert F. Blood collection device. 4,850,964, 7-25-89, Cl. 604-4.000.
- Cotter, Robert J.; Rimsa, Stephen B.; and Barclay, Robert, Jr., to Amoco Corporation. Polyarylether sulfones useful for molding into a circuit board substrate. 4,814,419, 3-21-89, Cl. 528-174.000.
- Cotter, Robert J.; Rimsa, Stephen B.; and Barclay, Robert, Jr., to Amoco Corporation. New polyarylethersulfone circuit board substrates. 4,816,505, 3-28-89, Cl. 524-445.000.
- Cotter, Robert J.; Rimsa, Stephen B.; Barclay, Robert, Jr.; Kwiatkowski, George T.; and Harris, James E., to Amoco Corporation. Novel poly(aryl ethers). 4,849,503, 7-18-89, Cl. 528-171.000.
- Cotter, Terrence; Anderson, Theodore; Gansser, Robert; and Kryk, Louis, to Diversey Corporation. Highly alkaline detergent pellets and process therefor. 4,823,441, 4-25-89, Cl. 23-313.00R.
- Cotterell, Daniel E. C.; and Stewart, David J. Directional current finder. 4,839,601, 6-13-89, Cl. 324-559.000.
- Cotterell, Richard L.: *See—*
  - Schmitt, Eugene W.; and Cotterell, Richard L., 4,801,288, Cl. 474-140.000.
- Cotteret, Jean: *See—*
  - Bugaut, Andree; Junino, Alex; and Cotteret, Jean, 4,886,517, Cl. 8-416.000.
  - Grollier, Jean F.; and Cotteret, Jean, 4,875,902, Cl. 8-406.000.
  - Monnais, Christian; and Cotteret, Jean, 4,863,481, Cl. 8-414.000.
- Cottet, Gerard: *See—*
  - Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Trechot, Jean-Marc, 4,849,083, Cl. 204-206.000.
- Cotti, Benedicto, to Harris Corporation. Flexible zero insertion force interconnector between circuit boards. 4,834,660, 5-30-89, Cl. 439-67.000.
- Cotting, Jacques-Alain; and Renner, Alfred, to Ciba-Geigy Corporation. Epoxidized polycycloacetals. 4,857,607, 8-15-89, Cl. 525-471.000.
- Cottingham, Auburn B., deceased: *See—*
  - Chernega, John G.; Martens, John A.; Olsen, Roger A.; and Cottingham, Auburn B., deceased, 4,889,895, Cl. 525-278.000.
- Cottingham, Hugh V. Agglutination detection apparatus. 4,806,015, 2-21-89, Cl. 356-335.000.
- Cottingham, Sue E., administrator: *See—*
  - Chernega, John G.; Martens, John A.; Olsen, Roger A.; and Cottingham, Auburn B., deceased, 4,889,895, Cl. 525-278.000.

- Cottle, Wilbur W.: *See—*
  - Gibbons, Robert C.; and Cottle, Wilbur W., 4,877,317, Cl. 350-559.000.
- Cottman, Kirkwood S., to Goodyear Tire & Rubber Company, The. Organothioethyl alcohol segmers as antidegradant synergists. 4,829,115, 5-9-89, Cl. 524-255.000.
- Cottman, Kirkwood S.: *See—*
  - Colvin, Howard A.; Cottman, Kirkwood S.; and Parker, Dane K., 4,853,478, Cl. 560-32.000.
  - Muse, Joel; Grimm, Donald C.; Dillon, Jerry J.; Cottman, Kirkwood S.; and Bennett, Calvin A., 4,847,313, Cl. 324-291.000.
- Cotton Incorporated: *See—*
  - Morton, Glenn P.; McFadyen, George A.; and Stone, Rob L., 4,845,789, Cl. 8-150.000.
- Cotton, James D., to Kimberly-Clark Corporation. Preparation and dispensing container for hot, moist towels. 4,836,368, 6-6-89, Cl. 206-205.000.
- Cotton, Lawrence M.; Derler, John C.; and Compton, Gary R., to Robert Bosch Power Tool Corporation. Power tool for trimming laminate. 4,827,996, 5-9-89, Cl. 144-134.00D.
- Cotton, Lawrence M.; and Compton, Gery R., to Robert Bosch Power Tool Corporation. Device for and method of producing workpieces with alternating contour mating surfaces. 4,860,809, 8-29-89, Cl. 144-371.000.
- Cottone, Mark A., to Cougar Package Designers, Inc. Bracing and cushioning system and method for transporting massive loads. 4,854,792, 8-8-89, Cl. 410-118.000.
- Cottrell, Ben: *See—*
  - Jay, Jerry L., Jr.; and Cottrell, Ben, 4,858,632, Cl. 134-57.00R.
- Cottrell, Don M.: *See—*
  - Davis, Jeffrey A.; Bach, Glenn W.; Cottrell, Don M.; and Lilly, Roger A., 4,813,761, Cl. 350-162.150.
- Cottrell, Ian W.: *See—*
  - Chuang, Jui-Chang; Cottrell, Ian W.; and Johnson, Stephen C., 4,831,097, Cl. 527-312.000.
- Cottrell, John S.: *See—*
  - Caprioli, Richard M.; and Cottrell, John S., 4,820,648, Cl. 436-89.000.
- Cottrell, Paul R.; Fritsch, Thomas R.; and Gosling, Christopher D., to UOP. Combination process for the conversion of a C_2–C_6 aliphatic hydrocarbon. 4,861,930, 8-29-89, Cl. 585-317.000.
- Cottrell, Peter R.: *See—*
  - Box, Robert L.; and Cottrell, Peter R., 4,859,107, Cl. 403-24.000.
- Cottrell, Ronald A., to De La Rue Systems, Limited. Deflection gate driven by stepper motor. 4,836,387, 6-6-89, Cl. 209-657.000.
- Cottrell, Terence B. F.: *See—*
  - Smith, Charles G.; and Cottrell, Terence B. F., 4,877,427, Cl. 55-136.000.
- Cotts, David B., to SRI International. Highly conducting polymers and materials for polymeric batteries. 4,832,869, 5-23-89, Cl. 252-500.000.
- Cotts, David B.; and Brodrecht, Louisa, to SRI International. Polymer alloy compositions of rod-like aromatic polyamides and polyurethanes. 4,857,569, 8-15-89, Cl. 524-104.000.
- Cotts, Patricia M.: *See—*
  - Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, 4,849,501, Cl. 528-353.000.
- Couch, Francis O.: *See—*
  - Schroeder, George L.; Couch, Francis O.; and Saenguraiporn, Chamna, 4,881,221, Cl. 370-32.100.
- Couch, James S.: *See—*
  - Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., 4,796,034, Cl. 354-145.100.
  - Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., 4,819,016, Cl. 354-82.000.
- Couch, Nigel R.; Kelly, Michael J.; and Beton, Peter H., to General Electric Company, p.l.c., The. Electronic devices. 4,801,982, 1-31-89, Cl. 357-3.000.
- Couch, Richard W., Jr.: *See—*
  - Sanders, Nicholas A.; and Couch, Richard W., Jr., 4,816,637, Cl. 219-121.590.
  - Sanders, Nicholas A.; and Couch, Richard W., Jr., 4,861,962, Cl. 219-121.500.
- Couchaud, Maurice: *See—*
  - Calvat, Claude; Colle, Laurent; Couchaud, Maurice; LeJus, Anne-Marie; Moncorge, Richard; Vivien, Daniel; and Wyon, Christophe, 4,853,354, Cl. 501-119.000.
- Couder, Armand: *See—*
  - Aubry, Nestor; Couder, Armand; and Weverbergh, André, 4,798,614, Cl. 62-374.000.
- Couderc, Pascal: *See—*
  - Rakhodai, Issa; Lefebvre, Serge G.; and Couderc, Pascal, 4,860,100, Cl. 358-148.000.
- Couderc, Pierre; and Corbel, Henri, to Elf Isolation. Apparatus for embossing sections of a cladding element for outer facades. 4,854,845, 8-8-89, Cl. 425-363.000.
- Coudoux, Christian A. Very high performance loudspeaker enclosures. 4,869,340, 9-26-89, Cl. 181-146.000.
- Coudriet, Lawrence A. Liquid evacuation system. 4,867,646, 9-19-89, Cl. 417-40.000.
- Couetil, Jean-Paul A., to Delacroix-Chevalier. Sternal retractor. 4,829,985, 5-16-89, Cl. 128-20.000.
- Cougan, Kenneth S. Bracket assembly. 4,817,907, 4-4-89, Cl. 248-558.000.
- Cougar Package Designers, Inc.: *See—*
  - Cottone, Mark A., 4,854,792, Cl. 410-118.000.
- Coughenour, Linda L.; and Johnson, Graham, to Warner-Lambert Company. Polycyclic amine derivatives useful as cerebrovascular agents. 4,837,226, 6-6-89, Cl. 514-443.000.
- Coughlin, Daniel J.: *See—*
  - Goers, John W. F.; King, Hurley D.; Lee, Chyi; Coughlin, Daniel J.; Alvarez, Vernon L.; Rodwell, John D.; and McKearn, Thomas J., 4,867,973, Cl. 424-85.910.
- Coughlin, James P.: *See—*
  - Krall, Albert D.; and Coughlin, James P., 4,845,508, Cl. 343-785.000.
- Coughlin, Michael C.; Moss, Arthur Z.; and Stevens, Kenneth E., to Du Pont Canada Inc. Heterogeneous membranes from highly filled thermoplastic orientable polymers. 4,842,741, 6-27-89, Cl. 210-500.360.
- Coughlin, Paul R.: *See—*
  - Armijo, Richard L.; and Coughlin, Paul R., 4,802,587, Cl. 206-444.000.
- Coughlin, Peter K.; and Rabo, Jule A., to Union Carbide Corporation. UHP-Y-containing reforming catalysts and processes. 4,795,549, 1-3-89, Cl. 208-139.000.
- Coughlin, Peter K.: *See—*
  - Mercer, William C.; Coughlin, Peter K.; McLeod, Donald, Jr.; and Flanigen, Edith M., 4,860,584, Cl. 73-336.500.
  - Mercer, William C.; Coughlin, Peter K.; McLeod, Donald, Jr.; and Flanigen, Edith M., 4,876,890, Cl. 73-336.500.
  - Pellet, Regis J.; Coughlin, Peter K.; and Rabo, Jule A., 4,814,316, Cl. 502-214.000.
  - Pellet, Regis J.; Coughlin, Peter K.; Staniulis, Mark T.; Long, Gary N.; and Rabo, Jule A., 4,842,714, Cl. 208-114.000.
  - Pellet, Regis J.; Coughlin, Peter K.; Staniulis, Mark T.; Long, Gary N.; and Rabo, Jule A., 4,859,314, Cl. 208-114.000.
  - Pellet, Regis J.; Coughlin, Peter K.; Springer, Albert R.; and Gajek, Richard T., 4,861,739, Cl. 502-64.000.
- Couillaud, Bernard; and Mitchell, Gerald M., to Coherent, Inc. Suppression of the second intracavity pulse in a synchronously pumped dye laser. 4,862,469, 8-29-89, Cl. 372-33.000.
- Coulborn, John W.; and Krug, John A., to ACF Industries, Incorporated. End structure for railway car. 4,875,417, 10-24-89, Cl. 105-248.000.
- Couldwell, Simon: *See—*
  - Chamberlain, Peter; and Couldwell, Simon, 4,822,620, Cl. 426-2.000.
- Coulmance, Jean-Pierre R., to U.S. Philips Corp. Gain control circuit for suppressing Larsen effect in a loudspeaker telephone. 4,835,484, 5-30-89, Cl. 330-138.000.
- Coulombe, Maurice. Medical supplies container. 4,844,249, 7-4-89, Cl. 206-438.000.
- Coulon, Andre, to Alsthom. Protective tip for a titanium blade and a method of brazing such a tip. 4,795,313, 1-3-89, Cl. 416-224.000.
- Coulon, Andre, to Alsthom. Method of applying a protective coating to a titanium alloy blade, and a blade obtained thereby. 4,832,993, 5-23-89, Cl. 427-53.100.
- Coulon, Andre; and Bech, Ulrich, to Alsthom. Method of laying a cobalt-chromium-tungsten protective coating on a blade made of a tungsten alloy including vanadium, and a blade coated thereby. 4,839,237, 6-13-89, Cl. 428-610.000.
- Coulon, Jean C.; Kramer, Carl; Schaefer, Wolfgang; and Sustmann, Hans, to Saint-Gobain Vitrage. Process and apparatus for coating a substrate. 4,824,695, 4-25-89, Cl. 427-168.000.
- Coulon, Jean-Claude; and Douche, Jean-Pierre, to Saint-Gobain Vitrage. Uniformly coated glass substrates. 4,837,093, 6-6-89, Cl. 428-432.000.
- Coulon, Jean-Claude: *See—*
  - Douche, Jean-Pierre; Coulon, Jean-Claude; and Bernard, Claude, 4,807,814, Cl. 239-428.000.
- Coulon, Michel; Faron, Robert; and Besson, Daniel, to Le Carbone Lorraine; Uranium Pechiney; and Navatome. Thermal transfer layer. 4,852,645, 8-1-89, Cl. 165-180.000.
- Coulson Forest Products Ltd.: *See—*
  - Coulson, Wayne C. S.; Jarman, Philip S.; and Collinge, Gary E., 4,848,703, Cl. 244-137.100.
- Coulson, Kenneth A., to John Fluke Mfg. Co., Inc. Reset circuit for electrically isolated circuits communicating via uart. 4,860,289, 8-22-89, Cl. 371-12.000.
- Coulson, Kenneth A.; Wong, Warren H.; and Johnson, Tod K., to John Fluke Mfg. Co., Inc. Measurement apparatus with plural displays of measured parameter and selectable function thereof. 4,864,512, 9-5-89, Cl. 364-481.000.
- Coulson, Wayne C. S.; Jarman, Philip S.; and Collinge, Gary E., to Coulson Forest Products Ltd. Method of transporting objects by helicopter and grapple adapted therefor. 4,848,703, 7-18-89, Cl. 244-137.100.
- Coulston, Frederick; and Korte, Friedrich W. A. G. K., to Angus Chemical Company. Potentiated insect repellent composition and method. 4,869,896, 9-26-89, Cl. 424-45.000.
- Coulston, John W.; and Huffman, David C., to Lechler, Inc. Free passage nozzle. 4,875,627, 10-24-89, Cl. 239-466.000.
- Coulter Corporation: *See—*
  - Healy, Stephen F., Jr.; Rice, Michael L.; and Golick, Martin L., 4,816,410, Cl. 436-10.000.
  - Kortright, Kenneth H.; Malinconico, Scott M.; and Smith, R. Graham, 4,818,686, Cl. 435-7.000.
  - Kortright, Kenneth H.; Hofheinz, David E.; and Toedter, Gary P., 4,865,971, Cl. 435-7.000.

Kortright, Kenneth H.; Hofheinz, David E.; Allman, David M.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,870,003, Cl. 435-5.000.

Kortright, Kenneth H.; Hofheinz, David E.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,886,742, Cl. 435-5.000.

Kortright, Kenneth H.; Hofheinz, David E.; Sullivan, Carole; and Toedter, Gary P., 4,888,290, Cl. 435-240.270.

Lary, Todd P.; Quintana, Jorge A.; Miranda, Osvaldo E.; DeChristopher, John R., Sr.; and Hollinger, John D., 4,845,025, Cl. 435-2.000.

Coulter Electronics, Inc.: *See—*

Anderson, Frank C.; and Twedt, Dean E., 4,858,154, Cl. 364-554.000.

Mitchell, Gary A.; Jaffe, Gerald E.; and Solorzano, Marilyn M., 4,801,534, Cl. 435-13.000.

Proni, Oscar; Fayer, Ervin; Dominick, George G.; and Cambareri, Carmelo R., 4,887,473, Cl. 73-864.350.

Coulter Electronics, Ltd.: *See—*

Dunstan, Harvey J.; Harfield, John G.; Knight, Paul; and Podgorney, Harvey J., 4,797,624, Cl. 328-114.000.

Coulter, John E.; Evans, Robert S.; and Robertson, Michael O., to Babcock & Wilcox Company, The. Acoustic emission leak source location. 4,858,462, 8-22-89, Cl. 73-40.50A.

Coulter, John H., to Grove Valve and Regulator Company. Top entry expansible tube valve. 4,827,974, 5-9-89, Cl. 137-549.000.

Coultrup, Thomas; and Wessling, James E., to Variety International, Inc. Adjustable, collapsible sawhorse. 4,804,064, 2-14-89, Cl. 182-155.000.

Counard, Cletus J., to Pamarco Incorporated. High efficiency fluid metering roll. 4,819,558, 4-11-89, Cl. 101-348.000.

Council, Buford W., Jr., to Citycrown, Inc. Method and apparatus for cutting an aspheric surface on a workpiece. 4,884,482, 12-5-89, Cl. 82-1.110.

Council, Clifton T.: *See—*

Wing, Thomas; and Council, Clifton T., 4,809,585, Cl. 89-37.080.

Council for Scientific and Industrial Research: *See—*

Maree, Johannes P., 4,839,052, Cl. 210-603.000.

Council of Forest Industries of British Columbia Plywood Technical Centre: *See—*

Parasin, Alexander V., 4,807,416, Cl. 52-595.000.

Council of Scientific & Industrial Research: *See—*

Khan, M. M. Taqui; and Bhardwaj, R. Chandra, 4,889,604, Cl. 204-157.500.

Khan, Mirza M. T.; Bhardwaj, Ramesh C.; and Bhardwaj, Chhaya, 4,802,963, Cl. 204-157.500.

Councilman, Richard R., to Zebco Corporation. Cartridge rear mounted drag assembly and method. 4,796,828, 1-10-89, Cl. 242-84.50A.

Counoupas, Steve S., to Xerox Corporation. Bearing mounting system. 4,804,277, 2-14-89, Cl. 384-537.000.

Counsell, Raymond E.; Longino, Marc A.; Weichert, Jamey P.; and Schwendner, Susan P., to University of Michigan, The. Polyiodinated triglyceride analogs as radiologic agents. 4,873,075, 10-10-89, Cl. 424-1.100.

Counsell, Raymond E.; Van Dort, Marcian; and Neubig, Richard, to University of Michigan, The. Iodinated clonidine derivatives as radioactive imaging tracers. 4,883,649, 11-28-89, Cl. 424-1.100.

Counselman, Charles C., III, to Western Atlas International, Inc. Multi-antenna gas receiver for seismic survey vessels. 4,809,005, 2-28-89, Cl. 342-352.000.

Counselman, Charles C., III, to Western Atlas International, Inc. Continuous wave interference rejection for reconstructed carrier receivers. 4,860,018, 8-22-89, Cl. 342-357.000.

Counselman, Charles C., III, to Western Atlas International, Inc. Method and system for determining position from signals from satellites. 4,870,422, 9-26-89, Cl. 342-357.000.

Counter Computer Corporation: *See—*

Tetelman, Bruce; Milios, Yannis; Park, Il-Pyung; and Recht, Tom, 4,859,839, Cl. 235-385.000.

Countryman, Albert J.: *See—*

Biedermann, Robert E.; and Countryman, Albert J., 4,881,439, Cl. 83-879.000.

Counts, Richard; and Pritchett, Rob, to Prescolite, Inc. On-off switch system for a pair of conductors. 4,873,403, 10-10-89, Cl. 200-330.000.

Counts, Richard: *See—*

Tabor, Jim; and Counts, Richard, 4,803,586, Cl. 361-18.000.

Counts, Richard C., to Usi Lighting, Inc. Fluorescent lamp system. 4,866,350, 9-12-89, Cl. 315-209.00R.

Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo, to Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo J., a part interest. Electromagnetic radiation shielding enclosure and shielding components. 4,823,523, 4-25-89, Cl. 52-173.00R.

Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo J., to Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo J., a part interest. Shielded access apparatus for use in an enclosure for preventing propagation of electromagnetic energy into or out of the enclosure. 4,841,692, 6-27-89, Cl. 52-173.00R.

Coupard, Michel: *See—*

Delbourgo, Patricia; Coupard, Michel; and Delorme, Jean-Jacques, 4,830,711, Cl. 202-173.000.

Coupe, Bernard G.: *See—*

Musyck, Emile P.; Binard, Luc A.; and Coupe, Bernard G., 4,816,655, Cl. 235-380.000.

Coupe, Jean-Denis; Ryat, Marc; Raguet, Philippe; and Bardyn, Jean-Paul, to U.S. Philips Corp. Current mirror having a high output voltage. 4,829,231, 5-9-89, Cl. 323-315.000.

Coupek, Jiri; Voza, Stanislav; Strejc, Borivoj; and Tomsova, Zdenka. Storage container of samples for analysis. 4,871,675, 10-3-89, Cl. 435-288.000.

Couper, Malcolm J., to BBC Brown Boveri AG. Powder-metallurgical process for the production of a green pressed article of high strength and of low relative density from a heat-resistant aluminum alloy. 4,832,741, 5-23-89, Cl. 75-249.000.

Coupland, Ralph; and Keegan, Michael P., to Clayton Dewandre Co. Ltd. Clutch booster with overcenter means. 4,821,518, 4-18-89, Cl. 60-579.000.

Couprie, Pierre: *See—*

Aris, Raphael; Couprie, Pierre; and Gouvenot, Daniel, 4,834,579, Cl. 405-109.000.

Cour, Francis, to Geodia. Process and device for temporarily supporting the walls of a trench. 4,806,049, 2-21-89, Cl. 405-161.000.

Courdille, Michel: *See—*

Steers, Michel; Courdille, Michel; and Hazan, Jean-Pierre, 4,803,342, Cl. 219-257.000.

Courduvelis, Constantine I.; and DelGobbo, Anthony R., to Enthone, Incorporated. Three step process for treating plastics with alkaline permanganate solutions. 4,820,548, 4-11-89, Cl. 427-98.000.

Courgeon, Michel: *See—*

Prevot, Julien; Chabani, Kamel; Courgeon, Michel; Duquenoy, Denis; Duquenoy, Roger; and Le Navenec, Regis, 4,868,971, Cl. 29-602.100.

Courian, Curtis C. Sandal. 4,843,736, 7-4-89, Cl. 36-11.500.

Courier Products Limited: *See—*

Maidment, Robert A. M.; and Smith, Michael T., 4,821,373, Cl. 16-227.000.

Cournane, Thomas C.; and McSweeney, Cyril F. Level measurement for storage silos. 4,807,471, 2-28-89, Cl. 73-290.00R.

Courneya, Calice G., to Magnetronics, Inc. Microwave/steam sterilizer. 4,861,956, 8-29-89, Cl. 219-10.55A.

Cournoyer, Andre; Berard, Serge; and Cote, Denis, to Sport Maska Inc. Double Knit fabric with holes therethrough and knitted color bands. 4,838,045, 6-13-89, Cl. 66-196.000.

Courrege, Claude, to Stepack. Ignition device for a high speed burner of the cold nozzle type and a burner using said device. 4,846,716, 7-11-89, Cl. 431-263.000.

Courrege, Claude, to Stepack. Gas burner of the cold nozzle type. 4,886,446, 12-12-89, Cl. 431-329.000.

Courregelongue, Jean; and Maffrand, Jean-Pierre, to Monserbio. Process for eliminating cholesterol contained in a fatty substance of animal origin and the fatty substance with reduced cholesterol obtained. 4,880,573, 11-14-89, Cl. 260-420.000.

Coursin, Benjamin E., to A. O. Smith Corporation. Fiber reinforced resin drive shaft having improved resistance to torsional buckling. 4,838,833, 6-13-89, Cl. 464-181.000.

Court, John R. Oral hygiene device. 4,852,728, 8-1-89, Cl. 206-63.500.

Courtaulds Films & Packaging (Holdings) Ltd.: *See—*

Kendall, Kenneth D., 4,851,166, Cl. 264-22.000.

Courtaulds Packaging Australia Limited: *See—*

Anderson, Ian M., 4,854,734, Cl. 383-66.000.

Hackett, Malcolm J.; and Kalkipsakis, Charalambos G., 4,856,261, Cl. 53-469.000.

Courtaulds PLC: *See—*

Britton, Arthur, 4,883,551, Cl. 156-178.000.

Fanti, Luigi, 4,828,896, Cl. 428-67.000.

Courteau, Raymond: *See—*

Bose, Tapan K.; and Courteau, Raymond, 4,847,551, Cl. 324-60.00C.

Courter, Jack P., to Boeing Company, The. Cargo tray for use in aircraft. 4,824,050, 4-25-89, Cl. 244-118.100.

Courter, Jack P., to Boeing Company, The. Modular cargo conveyor and restraint system for aircraft. 4,875,645, 10-24-89, Cl. 244-137.100.

Courtieu, Jacques: *See—*

Bardy, Andre; Conti, Maria-Louisa; Courtieu, Jacques; Mathieu, Evelyne; and Grzyb, Joelle, 4,804,529, Cl. 424-9.000.

Courtiol, Christian: *See—*

Pontagnier, Henri; Courtiol, Christian; Creuzet, Marie-Helene; Feniou, Claude; and Prat, Gisele, 4,818,772, Cl. 514-651.000.

Courtis, Andrew: *See—*

Ballard, Denis G. H.; Courtis, Andrew; and Shirley, Ian M., 4,849,504, Cl. 528-491.000.

Courtney, Daniel P.; and Bailey, Timothy J., to United Technologies Corporation. Metallic bond for mounting of optical fibers to integrated optical chips. 4,867,524, 9-19-89, Cl. 350-96.200.

Courtney, Daniel P.; and Bailey, Timothy J., to United Technologies Corporation. Mounting of optical fibers to integrated optical chips. 4,871,226, 10-3-89, Cl. 350-96.170.

Courtney, John P.: *See—*

Jenkins, Thomas B.; Ulery, Dennis R.; Wilson, Blake W.; Walko, Steven C.; Lee, Lester H.; Salerno, Robert P.; Nason, Robert W.; and Courtney, John P., 4,859,891, Cl. 310-215.000.

Courtney, Marcella J. Baseball cap with built-in glove. 4,829,600, 5-16-89, Cl. 2-19.000.

Courtois, Alain: *See—*

Bussereau, Marcel; Courtois, Alain; and Huet, Jean-Pierre, 4,823,588, Cl. 72-453.060.

Courtois, Monique: *See—*

Grollier, Jean F.; Fourcadier, Chantal; and Courtois, Monique, 4,851,154, Cl. 252-546.000.

Courtois, Peter D.; and Truitt, Robert E., to Dayton Superior Corporation. Recess plug for precast concrete panels. 4,807,843, 2-28-89, Cl. 249-61.000.

Courtois, Peter D.; and Edgar, Roy L., to Dayton Superior Corporation. Adjustable hanger. 4,846,433, 7-11-89, Cl. 248-235.000.

Courtois, Yves: *See—*

Bussonniere, Andre; and Courtois, Yves, 4,872,108, Cl. 364-200.000.

Courtoise, Robert L. Attachment for cleaning and refacing concrete joints. 4,867,602, 9-19-89, Cl. 404-87.000.

Courtright, Steven B.: *See—*

Kubota, Robin M.; Thomas, Sharon M.; Chapdelaine, Albert H.; and Courtright, Steven B., 4,806,364, Cl. 426-5.000.

Courts, Howard R., to Texas Instruments Incorporated. Temporal garbage collector with indirection cells. 4,807,120, 2-21-89, Cl. 364-200.000.

Courtwright, Joel G.: *See—*

Leggett, David J.; and Courtwright, Joel G., 4,846,978, Cl. 210-748.000.

Courty, Philippe: *See—*

Dang Vu, Quang; Durand, Daniel; Le Page, Jean-Francois; Courty, Philippe; and Forestiere, Alain, 4,847,000, Cl. 252-373.000.

Quang, Dang Vu; Davidson, Michel; Durand, Daniel; and Courty, Philippe, 4,840,783, Cl. 423-648.100.

Courville, Bryan S.: *See—*

Richard, Kent J.; Courville, Bryan S.; and Legros, Shawn E., 4,830,379, Cl. 273-244.000.

Courvoisier, Guy; and Arieh, Simon, to Lange International S.A. Tensioning device for a ski boot tightening cable. 4,852,222, 8-1-89, Cl. 24-68.0SK.

Coury, Arthur J.; Hobot, Christopher M.; and Carlson, Kurt, to Medtronic, Inc. Biostable, segmented aliphatic polyurethanes and process therefor. 4,873,308, 10-10-89, Cl. 528-75.000.

Coury, Arthur J.; and Hobot, Christopher M., to Medtronic, Inc. Hydroxyl functional monomers. 4,883,854, 11-28-89, Cl. 528-28.000.

Coury, Arthur J.: *See—*

Fogt, Eric J.; Norenberg, Marye S.; Untereker, Darrel F.; and Coury, Arthur J., 4,846,182, Cl. 128-632.000.

Coury, Frank; Frank, Margaret A.; and Sivilich, Daniel M., to E. R. Squibb & Sons, Inc. Male external catheter. 4,820,289, 4-11-89, Cl. 604-349.000.

Coury, Glenn E. Apparatus and method for taking measurements while drilling. 4,881,406, 11-21-89, Cl. 73-154.000.

Couse, Robert F.; and Mercer, Patrick G., to Syquest Technology. Head loading velocity control. 4,864,437, 9-5-89, Cl. 360-75.000.

Cousens, James A.: *See—*

Dawson, John F.; Thompson, Eldon J.; and Cousens, James A., 4,876,651, Cl. 364-449.000.

Dawson, John F.; Bednarski, Joseph W.; Stoffer, Marie A.; and Cousens, James A., 4,884,220, Cl. 364-521.000.

Cousin, Andrew J.: *See—*

Adams, Robert; and Cousin, Andrew J., 4,834,825, Cl. 156-294.000.

Cousin, Michael J., to Mead Corporation, The. Tall oil neutrals to protect plants from insects and the like. 4,874,610, 10-17-89, Cl. 424-196.100.

Cousins, Morison. Scraper. 4,803,751, 2-14-89, Cl. 15-236.050.

Coussau, Jean, to Framatome. Removable and lockable guide ring in an orifice passing through a plate and its use for a guide tube of a nuclear reactor. 4,844,859, 7-4-89, Cl. 376-353.000.

Cousse, Henri: *See—*

Pitet, Guy; Cousse, Henri; Stenger, Antoine; Briley, Michel; and Chopin, Philippe, 4,851,411, Cl. 514-242.000.

Coussediere, Daniel; Gigliotti, Giuseppe; and Moguilewsky, Martine, to Uclaf, Roussel. Antiandrogenic 4-hydroxymethyl-2-imidazolidinediones. 4,873,256, 10-10-89, Cl. 514-391.000.

Coussemacq, J-Marc: *See—*

Meunier, Claude; Coussemacq, J-Marc; and Fourrey, Francois, 4,834,451, Cl. 297-218.000.

Coutant, Alan R., to Caterpillar Inc. Control system for independent control of fluid actuated devices. 4,817,770, 4-4-89, Cl. 192-3.580.

Coutant, Alan R.: *See—*

Alexander, George F.; Coutant, Alan R.; Fee, David M.; and Riediger, Craig W., 4,798,099, Cl. 74-473.00R.

Blake, William W.; Golan, Kenneth F.; Coutant, Alan R.; and Morris, Hugh C., 4,865,176, Cl. 192-3.630.

Coutier, Andre. Clamping device for removably securing shaping moulds on the plates of moulding presses. 4,842,506, 6-27-89, Cl. 425-193.000.

Coutier, Charles, to Coutier Industrie. Device for barring access to the top of a vertical tubular duct. 4,881,619, 11-21-89, Cl. 182-77.000.

Coutier Industrie: *See—*

Coutier, Charles, 4,881,619, Cl. 182-77.000.

Coutin, Pierre F.: *See—*

Grosselin, Daniel; and Coutin, Pierre F., 4,870,885, Cl. 89-1.819.

Coutrot, Francoise M. R.: *See—*

Murray, Bruce; Guillou, Louis; and Coutrot, Francoise M. R., 4,797,919, Cl. 380-20.000.

Coutts, Bruce: *See—*

Borsuk, Leslie M.; and Coutts, Bruce, 4,854,663, Cl. 350-96.200.

Clark, Kenneth M.; Borsuk, Leslie M.; and Coutts, Bruce, 4,798,431, Cl. 350-96.200.

Clark, Kenneth M.; and Coutts, Bruce, 4,804,395, Cl. 65-2.000.

Coutts, Ian M.: *See—*

Thornley, David J.; Smith, Moira A.; Dale, Philip; Leask, Samuel H.; and Coutts, Ian M., 4,884,368, Cl. 49-276.000.

Couture-Dorschner, Laurie: *See—*

Ungpiyakul, Tanakon; Morgan, Arch D.; Thomas Douglas C.; Ketenhofen, Timothy J.; Marver, Douglas J.; Couture-Dorschner, Laurie; and Pomplun, William S., 4,837,715, Cl. 364-552.000.

Couture, Joseph P.: *See—*

Sharpe, Kenneth R.; Cribb, William E.; McNicol, Melvin; and Couture, Joseph P., 4,829,902, Cl. 102-312.000.

Couture, Paul A.: *See—*

Jentoft, Arthur P.; and Couture, Paul A., 4,862,657, Cl. 52-200.000.

Couture, Raymond. Beam structure. 4,888,934, 12-26-89, Cl. 52-807.000.

Couture, Robert L.: *See—*

Giannetti, John; Couture, Robert L.; and Sleve, Jerry F., 4,884,097, Cl. 355-23.000.

Couture, William F., to IBP, Inc. Method and apparatus for supporting animal carcasses and pulling hides therefrom. 4,873,749, 10-17-89, Cl. 17-50.000.

Coutures, Jean-Louis, to Thomson-CSF. Device for analog multiplexing by charge transfer devices. 4,831,621, 5-16-89, Cl. 370-114.000.

Coutures, Jean-Louis, to Thomson-CSF. Charge-reading device for linear photosensor with line structure anti-dazzle device. 4,885,626, 12-5-89, Cl. 377-58.000.

Couturier, Jacques: *See—*

Moret, Jacques; Fosset, Jean-Maurice; Couturier, Jacques; and Viard, Noel, 4,797,524, Cl. 219-10.690.

Couturier, Jean-Michel: *See—*

Hertz, Dominique; and Couturier, Jean-Michel, 4,873,117, Cl. 427-37.000.

Couturier, Marysusan; and Trainor, Donna, to W. R. Grace & Co.-Conn. Hot melt gaskets. 4,870,128, 9-26-89, Cl. 524-556.000.

Couturier, Michel: *See—*

Dagard, Philippe; and Couturier, Michel, 4,799,538, Cl. 165-47.000.

Couty, Catherine, to Salomon S.A. Ski boot closure device. 4,823,484, 4-25-89, Cl. 36-117.000.

Couvrat-Desvergnes, Alexandre: *See—*

Lebrun, Bernard; and Couvrat-Desvergnes, Alexandre, 4,848,992, Cl. 55-410.000.

Couvrette, Edward F. Temperature control means for a self service banking system. 4,813,475, 3-21-89, Cl. 165-21.000.

Couvreur, Jean-Francois; and Olifant, Jacques, to La Telemecanique Electrique. Electromagnet with permanent magnet held by a cage. 4,843,361, 6-27-89, Cl. 335-229.000.

Couwenbergs, Paul. Roll-block and to a roll-way assembled from roll blocks. 4,860,875, 8-29-89, Cl. 193-35.0MD.

Couzens, Kenneth A. Mounting rack. 4,860,986, 8-29-89, Cl. 248-313.000.

Cova, Dario R.; and Thorman, John M., to Monsanto Company. Purification of alkyl glyoxylate in a continuous column by azeotropic distillation. 4,820,385, 4-11-89, Cl. 203-2.000.

Cova, Dario R.; and Thorman, John M. Purification of alkyl glyoxylate. 4,867,849, 9-19-89, Cl. 203-28.000.

Covell, Edward H., III. Poultry scalding system and process. 4,852,215, 8-1-89, Cl. 17-11.200.

Coveney, Leila D., to Procter & Gamble Company, The. Processes for making colored pharmaceutical compositions. 4,801,454, 1-31-89, Cl. 424-131.000.

Coventry City Council: *See—*

Economides, Apollo P.; Gergely, Stephen; and Walton, Christopher, 4,811,738, Cl. 128-419.0PG.

Coventry Health Authority: *See—*

Turnell, David C.; and Cooper, John D. H., 4,837,157, Cl. 436-20.000.

Coverdale, Kevin M.: *See—*

Norquest, Robert C.; and Coverdale, Kevin M., 4,881,644, Cl. 206-363.000.

Covert, Charles H.: *See—*

Turner, Kenneth W.; Covert, Charles H.; and Meyer, Karen M., 4,852,761, Cl. 220-85.0VR.

Covex, S.A.: *See—*

Mondelo, Fernando C., 4,870,178, Cl. 546-51.000.

Covey, Douglas F.; and Auchus, Ricahrd J., to Washington University. Open "D" ring hormone analogs. 4,874,891, 10-17-89, Cl. 560-256.000.

Covey, James H., to Boeing Company, The. Apparatus for providing a lightning protective vehicle surface. 4,839,771, 6-13-89, Cl. 361-218.000.

Covey, James H., to Boeing Company, The. Method for forming a high-conductivity junction between composite structures and metal fittings. 4,866,839, 9-19-89, Cl. 29-825.000.

Covey, Michael K., to Anchor Group, The. Injection molding tool. 4,861,256, 8-29-89, Cl. 425-378.100.

Covey, Ray M., Jr. Vaporizer/carburetor and method. 4,883,616, 11-28-89, Cl. 261-64.400.

Covey, Robert L., to General Electric Company. Automatic focussing system. 4,814,889, 3-21-89, Cl. 358-227.000.

Covey, Rupert A.; Forbes, Patricia J.; Bell, Allyn R.; and Blem, Allen R., to Uniroyal Chemical Company, Inc. Substituted tetrazolinones and herbicidal compositions thereof. 4,826,529, 5-2-89, Cl. 71-92.000.

Covey, Rupert A.; Forbes, Patricia J.; Bell, Allyn R.; and Blem, Allen R., to Uniroyal Chemical Company, Inc. Substituted tetrazolinones and herbicidal compositions thereof. 4,830,661, 5-16-89, Cl. 71-92.000.

Covey, Rupert A.; and Moore, Richard C., to Uniroyal Chemical Company, Inc. Phosphorus substituted tetrazolinones and pesticidal use. 4,839,349, 6-13-89, Cl. 514-92.000.

Covey, Thomas R.: *See—*

Henion, John D.; Covey, Thomas R.; and Bruins, Andries P., 4,861,988, Cl. 290-288.000.

Covill, Dennis H. Solid state transmitter protector. 4,802,237, 1-31-89, Cl. 455-117.000.

Coville, William E.; Grossman, Hyman; and Sokol, Michael, to Bio/-Data Corporation. Apparatus for receiving a test specimen and reagent. 4,818,493, 4-4-89, Cl. 422-102.000.

Coville, William W., to Pitney Bowes Inc. Electronic postage meter control system employing a membrane switch mechanism. 4,858,174, 8-15-89, Cl. 364-900.000.

Covington, Anne E.; Hunter, Thomas A.; and Dawes, Keith, to Raychem Corporation. Barrier material for gel sealant-cable jacket interface. 4,889,717, 12-26-89, Cl. 428-304.400.

Covington, John B.; Marriott, Vic B.; Venable, Larry G.; and Kim, Peter, to Texas Instruments Incorporated. Water soluble contrast enhancement layer method of forming resist image on semiconductor chip. 4,816,380, 3-28-89, Cl. 430-311.000.

Covington, Roger G.; Muller, Bruce R.; Carmichael, Evan P.; and Niedospial, John J., to Eastman Kodak Company. Film sheet presence indicating mechanism for a photographic cassette. 4,807,271, 2-21-89, Cl. 378-182.000.

Covington, Roger G., to Eastman Kodak Company. Carrier retainer for disk cartridge. 4,817,079, 3-28-89, Cl. 369-291.000.

Covington, Roger G.; Jensen, Thomas D.; Miller, Stephen H.; and Wilson, Craig B., to Eastman Kodak Company. Split carrier for data storage disks. 4,853,926, 8-1-89, Cl. 369-291.000.

Covington, Roger G.: *See—*

Carmichael, Even P.; Niedospial, John J.; Covington, Roger G.; and Muller, Bruce R., 4,813,063, Cl. 378-182.000.

Covington, William S. Hydrogel lens with a simulated iris portion. 4,824,688, 4-25-89, Cl. 427-2.000.

Covino, Charles P. Electrolytic formation of an aluminum oxide surface. 4,861,440, 8-29-89, Cl. 204-38.300.

Cowan, Carl E.: *See—*

Buettner, Albert V.; and Cowan, Carl E., 4,804,602, Cl. 430-42.000.

Cowan, Clarence E.; and Christensen, Ronald K., to Tektronix, Inc. Electronic delay control circuit having pulse width maintenance. 4,862,020, 8-29-89, Cl. 307-601.000.

Cowan, Jack C.; Granquist, Victor M.; and House, Roy F., to Venture Chemicals, Inc. Organophilic polyphenolic acid adducts. 4,853,465, 8-1-89, Cl. 530-506.000.

Cowan, Jack C.; House, Roy F.; and Granquist, Victor M., to Venture Chemicals, Inc. Organophilic modified polymers. 4,863,980, 9-5-89, Cl. 525-54.310.

Cowan, Jack C.: *See—*

House, Roy F.; Granquist, Victor M.; and Cowan, Jack C., 4,843,048, Cl. 501-148.000.

Cowan, James J., to Polaroid Corporation. Method of replicating volume phase reflection holograms. 4,839,250, 6-13-89, Cl. 430-1.000.

Cowan, James J., to Polaroid Corporation. Method of forming volume phase reflection holograms. 4,874,213, 10-17-89, Cl. 350-3.670.

Cowan, James J., to Polaroid Corporation. Volume phase reflection holograms and methods for fabricating them. 4,888,260, 12-19-89, Cl. 430-1.000.

Cowan, John D. Combination void drain vent chain. 4,852,319, 8-1-89, Cl. 52-302.000.

Cowan, Kevin P.: *See—*

Evans, Russell M., III; Machek, James E.; and Cowan, Kevin P., 4,854,330, Cl. 128-772.000.

Cowan, Maynard, to United States of America, Energy. Magnetic reconnection launcher. 4,817,494, 4-4-89, Cl. 89-8.000.

Cowan, Michael L.; and Goodman, David C., to Northern Telecom Limited. Selective connection of power supplies. 4,812,672, 3-14-89, Cl. 307-64.000.

Cowan, Patrick J., to Hercules Incorporated. Cross-linked organosiloxane polymers. 4,877,820, 10-31-89, Cl. 523-222.000.

Cowan, Peter: *See—*

Wong, Kwok-Ping; and Cowan, Peter, 4,825,953, Cl. 166-338.000.

Cowan, Philip B., to Tusco, Incorporated. Method for displacing oxygen from a mine. 4,842,444, 6-27-89, Cl. 405-132.000.

Cowan, Philip L. Automatic reversing valve. 4,870,890, 10-3-89, Cl. 91-50.000.

Cowan, Richard G.: *See—*

Allen, Charles R.; Greenhalgh, Wilbur O.; and Cowan, Richard G., 4,851,156, Cl. 252-629.000.

Cowan, Robert L.: *See—*

Head, Robert A.; Cowan, Robert L.; and Law, Robert J., 4,882,122, Cl. 376-245.000.

Cowan, Samuel C., Jr. Case with extendable wheels and handle. 4,852,705, 8-1-89, Cl. 190-18.00A.

Cowan, Stanley W.: *See—*

Tang, Ping-Wah; Lau, Philip T. S.; Cowan, Stanley W.; Machonkin, Harold I.; and Chen, Tien-Teh, 4,804,620, Cl. 430-548.000.

Cowan, Wavell; and McGurk, Stanley, to Inotech Process Ltd. Roll press for removing water from a web of paper using solid grooved roll and compressed air. 4,888,096, 12-19-89, Cl. 162-358.000.

Cowan, William S.; and Galle, Edward M., Jr., to National-Oilwell. Remotely installing a tubular string. 4,797,029, 1-10-89, Cl. 405-170.000.

Cowan, William S.: *See—*

Knerr, Edwin R.; Hart, Robert; and Cowan, William S., 4,852,611, Cl. 137-595.000.

Cowburn, David; Rawlings, Stephen P.; and Pollard, Andrew, to GKN Technology Limited. Vehicle suspension. 4,887,841, 12-19-89, Cl. 280-719.000.

Cowell, Ernest E. Chimney by-pass. 4,821,473, 4-18-89, Cl. 52-218.000.

Cowell, Mark J., to Metcal, Inc. Cartridge soldering iron. 4,839,501, 6-13-89, Cl. 219-237.000.

Cowell, Mark J.; Ladd, Kevin; and Carter, Philip S., Jr., to Metcal, Inc. Self regulating heater. 4,877,944, 10-31-89, Cl. 219-548.000.

Cowell, Mark J.: *See—*

Krumme, John F.; and Cowell, Mark J., 4,795,870, Cl. 219-9.500.

Cowen, Lisa A.: *See—*

Schachter, David; Kowarski, Szloma; Cowen, Lisa A.; and Abbott, Richard E., 4,840,894, Cl. 435-7.000.

Cowen, Raymond A.: *See—*

Fox, Rodney T.; Cowen, Raymond A.; Pool, Hazel; and Cook, Robert V., 4,802,997, Cl. 252-8.600.

Cowen, Stephen R.; Toreson, James S.; Chen, Joseph Y.; and Cochran, David S., to Xebec. Process for determining data disk track centers. 4,816,938, 3-28-89, Cl. 360-75.000.

Cowfer, Joseph A.: *See—*

Eden, Jamal S.; and Cowfer, Joseph A., 4,849,393, Cl. 502-225.000.

Cowger, Bruce: *See—*

Heffernan, Mary B.; Norton, Kenneth A.; and Cowger, Bruce, 4,885,932, Cl. 73-53.000.

Cowgill, Cynthia A.: *See—*

Brown, James E.; and Cowgill, Cynthia A., 4,795,806, Cl. 530-383.000.

Cowles, Charles M. Respirator system. 4,848,330, 7-18-89, Cl. 128-200.240.

Cowles, Craig H.: *See—*

Cherry, Roger L.; Burke, Joseph J.; Platt, Christopher W.; and Cowles, Craig H., 4,832,753, Cl. 134-22.180.

Cowles, Curtis R. Mechanical positioning or transferring system. 4,871,293, 10-3-89, Cl. 414-744.300.

Cowles, Richard A.; Georgalas, Nick; and Shah, Shailesh C., to BASF Corporation. Waterborne pigmented acrylic hydrosol coating composition and process. 4,797,444, 1-10-89, Cl. 524-501.000.

Cowley, Barry S.; and Calvert, George V., to PED Limited. Solenoid actuator. 4,863,143, 9-5-89, Cl. 251-129.150.

Cowley, Colin H., to Active Memory Technology Ltd. Vlsi data processor containing an array of ICs, each of which is comprised primarily of an array of processing. 4,876,641, 10-24-89, Cl. 364-200.000.

Cowley, Nicholas P., to Plessey Overseas Limited. Frequency modulation receiver employing frequency divider. 4,806,872, 2-21-89, Cl. 329-103.000.

Cowley, Nicholas P., to Plessey Overseas Limited. Phase comparator lock detect circuit and a synthesizer using same. 4,806,878, 2-21-89, Cl. 331-1.00A.

Cowley, Nicholas P.; Lawton, Rodney J.; and McClelland, Thomas D. S., to Plessey Overseas Limited. Frequency doubling oscillator and mixer circuit. 4,810,976, 3-7-89, Cl. 331-117.00R.

Cowley, Nicholas P., to Plessey Overseas Limited. Processor controlled phase locked loop multi-band frequency synthesizer. 4,862,109, 8-29-89, Cl. 331-16.000.

Cowley, Nicholas P., to Plessey Overseas Limited. Frequency dividing arrangements. 4,862,515, 8-29-89, Cl. 455-183.000.

Cowley, Nicolas P.: *See—*

Walbrou, Pascal; and Cowley, Nicolas P., 4,862,105, Cl. 331-1.00A.

Cowley, Richard; and Wills, Peter, to Barwell International Limited. Extrusion apparatus. 4,850,839, 7-25-89, Cl. 425-142.000.

Cowley, Scott W.: *See—*

Karpuk, Michael E., and Cowley, Scott W., 4,876,989, Cl. 123-3.000.

Cowley, Terry W.; Faulk, Allen R., Jr.; and Knode, Charles R., to Dow Chemical Company, The. On site vessel contents analyzer. 4,828,798, 5-9-89, Cl. 422-62.000.

Cowling, David H.: *See—*

Witriol, Norman M.; Brumage, William H.; and Cowling, David H., 4,853,771, Cl. 358-93.000.

Cowling, Graham J., to G. D. Searle & Co. Modified interferon gammas. 4,845,196, 7-4-89, Cl. 530-351.000.

Cowtronics, Inc.: *See—*

Leonardo, John, 4,846,106, Cl. 119-1.000.

Cox, Bernard K., Jr.: *See—*

Hall, Shade W.; Peters, Eugene L.; Jensen, Robert E.; and Cox, Bernard K., Jr., 4,815,400, Cl. 111-1.000.

Cox, Cameron O.: *See—*

Farber, Glenn L.; Navarro, Maria C.; Hegemann, Manfred K.; Cohen, Samuel G.; and Cox, Cameron O., 4,817,785, Cl. 198-803.010.

Cox, Cavan J. Skim board. 4,850,914, 7-25-89, Cl. 441-65.000.

Cox, Charles K., to W. R. Grace & Co.-Conn. Metalworking fluid. 4,882,077, 11-21-89, Cl. 252-49.500.

Cox, Christopher E.: *See—*

Cox, Raleigh L.; and Cox, Christopher E., 4,859,327, Cl. 210-219.000.

Cox, Clyde H. Inversion tube press. 4,842,749, 6-27-89, Cl. 210-783.000.

Cox & Company, Inc.: *See—*

Cox deceased, Duncan B.; and Schuyler, Martin, 4,841,124, Cl. 219-201.000.

Cox, Daniel D. Line tying device. 4,864,762, 9-12-89, Cl. 43-4.000.

Cox, David; Hall, David E.; Ingall, Anthony H.; and Suschitzky, John L., to Fisons plc. Certain 2-pyridinyl-phenylsulfinyl-benzoxazoles the corresponding benzothiazoles or benzimidazoles having anti-inflammatory or gastric acid secretion inhibition activity. 4,851,41 7-25-89, Cl. 514-338.000.

Cox, David A., to GTE Products Corporation. Arc lamp with surface arc resistant barrier. 4,876,483, 10-24-89, Cl. 313-634.000.

Cox, David H.: *See—*

Watkins, James D.; Andreas, David W.; and Cox, David H., 4,878,765, Cl. 383-116.000.

Cox deceased, Duncan B.; and Schuyler, Martin, to Cox & Company, Inc. Strain-resistant heated helicopter rotor blade. 4,841,124, 6-20-89, Cl. 219-201.000.

Cox, Donald C., to Bell Communications Research, Inc. Rapid phase correcting carrier recovery circuit. 4,811,424, 3-7-89, Cl. 455-260.000.

Cox, Donald G. Compact dust collector. 4,820,320, 4-11-89, Cl. 55-302.000.

Cox, Doyle W. Cooling plant load reduction apparatus and method. 4,873,834, 10-17-89, Cl. 62-87.000.

Cox, Earl W.: *See—*

Corliss, John M.; and Cox, Earl W., 4,794,907, Cl. 126-39.00R.

Cox, Edwin G.; and Ritter, David T., to Gulton Industries, Inc., Femco Division. Field telephone system. 4,847,888, 7-11-89, Cl. 379-64.000.

Cox, Fred D.: *See—*

Knego, Frank M.; Cox, Fred D.; and Klapheke, James W., 4,805,560, Cl. 119-51.120.

Cox, Frederick E.: *See—*

Torossian, Kevork A.; Heisler, Ralph T.; and Cox, Frederick E., 4,803,028, Cl. 264-263.000.

Cox, Gary L.: *See—*

Woedl, Stephen D.; and Cox, Gary L., 4,829,639, Cl. 27-6.000.

Cox, Geoffrey B.; and Stout, Richard W., to Du Pont de Nemours, E. I., and Company. Process for porosity control and rehydroxylations of silica bodies. 4,837,195, 6-6-89, Cl. 502-408.000.

Cox, George W.: *See—*

Bain, William L., Jr.; Bedichek, Robert C.; Cox, George W.; Grassl, Gerhard; Peterson, Craig B.; Rattner, Justin R.; Singh, Gurbir; Singh, Gurbir; and Wipfli, John L., 4,803,622, Cl. 364-200.000.

Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli, John L., 4,829,425, Cl. 364-200.000.

Cox, Harold S., to Roboserve Limited. Anti-static articles. 4,808,448, 2-28-89, Cl. 428-36.500.

Cox, Helen M.: *See—*

Rogers, Peter H.; and Cox, Helen M., 4,819,649, Cl. 128-660.020.

Cox, Herbert: *See—*

Plontges, Margret; and Cox, Herbert, 4,857,379, Cl. 428-102.000.

Cox, Howard W.: *See—*

Mentzer, Charles C.; Cox, Howard W.; and Short, William T., 4,828,637, Cl. 156-212.000.

Mentzer, Charles C.; Cox, Howard W.; and Short, WIlliam T., 4,838,973, Cl. 156-212.000.

Mentzer, Charles C.; Cox, Howard W.; and Short, William T., 4,868,030, Cl. 428-174.000.

Cox, J. Thomas: *See—*

Bly, Vincent T.; Bradford, Alan P.; and Cox, J. Thomas, 4,849,070, Cl. 156-643.000.

Cox, James E., to Cox-Uphoff International. Silicone foam and method for making it. 4,859,712, 8-22-89, Cl. 521-62.000.

Cox, James P.; and Cox, Robert W. D. Air scrubbing process. 4,844,721, 7-4-89, Cl. 55-85.000.

Cox, James P.; and Cox, Jeanne M. Cohesive vegetable products and process for manufacture. 4,844,936, 7-4-89, Cl. 426-549.000.

Cox, Jan. J. F. M.; and Ensing, Hendrik, to Oce-Nederland B.V. Method and means for determining a measure of the surface potential of a medium charged by means of a corona charging device. 4,800,337, 1-24-89, Cl. 324-455.000.

Cox, Jeanne M.: *See—*

Cox, James P.; and Cox, Jeanne M., 4,844,936, Cl. 426-549.000.

Cox, Jeffry A.: *See—*

Peck, Lawrence B.; Buttke, Robert D.; Ott, George L.; and Cox, Jeffry A., 4,808,298, Cl. 208-212.000.

Cox, Jimmy A.; and Wilson, Ian L., to Westinghouse Electric Corp. Method and apparatus for producing turbine blade roots. 4,888,863, 12-26-89, Cl. 29-156.80B.

Cox, Jimmy A.: *See—*

Kiger, William E.; and Cox, Jimmy A., 4,832,540, Cl. 407-34.000.

Cox, Joel L.: *See—*

Halasa, Adel F.; Gross, Bill B.; Cox, Joel L.; and Balogh, George F., 4,843,120, Cl. 525-53.000.

Cox, John: *See—*

Daniels, Kurt; Williams, John D.; Wise, Percy W.; Jackson, Ian; and Cox, John, 4,813,182, Cl. 49-501.000.

Cox, John B.: *See—*

Mower, Vaughn L.; Deneris, Evan A.; and Cox, John B., 4,839,603, Cl. 328-14.000.

Cox, John D.: *See—*

O'Callaghan, Gary L.; Haddock, Levi, Jr.; and Cox, John D., 4,863,596, Cl. 210-230.000.

Parker, Robin Z.; and Cox, John D., 4,816,211, Cl. 376-323.000.

Parker, Robin Z.; Hanrahan, Robert J.; and Cox, John D., 4,848,087, Cl. 60-641.150.

Cox, John P. A., to P.C. Cox (New bury) Limited. Pneumatic dispensers for viscous materials. 4,871,088, 10-3-89, Cl. 222-47.000.

Cox, Joseph A. Anti-theft locking device. 4,804,217, 2-14-89, Cl. 292-347.000.

Cox, Karen L.: *See—*

Birmingham, Virginia A.; Cox, Karen L.; and Seno, Eugene T., 4,889,809, Cl. 435-252.300.

Cox Larry R.: *See—*

Russell, Ronald W.; and Cox, Larry R., 4,888,854, Cl. 16-266.000.

Cox, M. Keith; and Archer, Virgil L., to Archeraire Industries, Inc. Recirculating high velocity hot air sterilizing device having improved internal insulation structure. 4,824,644, 4-25-89, Cl. 422-300.000.

Cox, Mary S. Protective garment. 4,884,295, 12-5-89, Cl. 2-2.000.

Cox, Mason F., to Monroe Electronics, Inc. High voltage amplifier. 4,843,344, 6-27-89, Cl. 330-264.000.

Cox, Mason F.: *See—*

Vosteen, William; and Cox, Mason F., 4,853,639, Cl. 324-457.000.

Cox, Michael. Mounting plate for attachment of electrical controls and accessories to walls and the like. 4,840,584, 6-20-89, Cl. 439-538.000.

Cox, Michael J., to Rolls-Royce plc. Method and apparatus for evaluating the working line characteristics of a compressor of a gas turbine engine. 4,856,274, 8-15-89, Cl. 60-39.330.

Cox, Ned, to Texas Instruments Incorporated. Thermal and electromagnetic shield for power meter. 4,795,975, 1-3-89, Cl. 324-156.000.

Cox, Ned, to Texas Instruments Incorporated. Miniaturized fan for printed circuit boards. 4,885,488, 12-5-89, Cl. 310-68.00R.

Cox, Raleigh L.; and Cox, Christopher E. Means for water and wastewater treatment. 4,859,327, 8-22-89, Cl. 210-219.000.

Cox, Raleigh L.: *See—*

Beard, Harold J.; and Cox, Raleigh L., 4,839,050, Cl. 210-540.000.

Cox, Richard H.: *See—*

Howe, Charles R.; Southwick, Everett W.; and Cox, Richard H., 4,872,917, Cl. 131-275.000.

Cox, Robert J., to Thomas Industries, Inc. Rotary vane compressor. 4,859,162, 8-22-89, Cl. 418-152.000.

Cox, Robert J.: *See—*

Gelorme, Jeffrey D.; Cox, Robert J.; and Gutierrez, Sergio A. R., 4,882,245, Cl. 430-14.000.

Cox, Robert W. Locking device for a vehicle wheel and tire. 4,878,366, 11-7-89, Cl. 70-14.000.

Cox, Robert W. D.: *See—*

Cox, James P.; and Cox, Robert W. D., 4,844,721, Cl. 55-85.000.

Cox, Roger D. Recycling spray apparatus for lounge. 4,854,502, 8-8-89, Cl. 239-124.000.

Cox, Ronald C.; Grosjean, Robert E.; Grosjean, Lola G.; and Grosjean, Victor E., to Strikes My Fancy, Inc. Candle manufacturing apparatus. 4,830,330, 5-16-89, Cl. 249-85.000.

Cox, Stuart A.: *See—*

Kraui, Douglas R.; and Cox, Stuart A., 4,852,045, Cl. 364-900.000.

Cox, Terry L. Plunger lock with removable core. 4,809,525, 3-7-89, Cl. 70-100.000.

Cox, Terry L. Master cylinder pressure-retaining vehicular anti-theft brake locking mechanism. 4,873,824, 10-17-89, Cl. 60-545.000.

Cox, Thomas B.; and Garber, Richard I., to Amax Inc. Method for producing normalized grade D sucker rods. 4,832,757, 5-23-89, Cl. 148-12.00B.

Cox-Uphoff International: *See—*

Bonomo, Donald J.; and Paulson, Robert C., 4,798,205, Cl. 128-344.000.

Cox, James E., 4,859,712, Cl. 521-62.000.

Cox, William C.; Goetschius, Gary C.; and Casagrande, Mark T., to Air Preheater Company, Inc., The. Method of detecting hot spots in a rotary heat exchanger. 4,813,003, 3-14-89, Cl. 364-557.000.

Cox, William C., III: *See—*

Hartung, Joe; and Cox, William C., III, 4,815,263, Cl. 56-235.000.

Cox & Wright Limited: *See—*

Peake, Roy P., 4,799,411, Cl. 83-50.000.

Coxon, Ronald J.: *See—*

Mansfield, Peter; and Coxon, Ronald J., 4,820,986, Cl. 324-322.000.

Coxwold (Proprietary) Limited: *See—*

Kallenbach, Dieter H. F., 4,807,318, Cl. 15-1.700.

Coy, Bruce H.; and Yuen, Raymond C., to Applied Micro Circuits Corporation. ECL output with Darlington or common collector-common emitter drive. 4,874,970, 10-17-89, Cl. 307-475.000.

Coy Corporation: *See—*

Coy, Richard A.; and Waycaster, Roy A., 4,865,986, Cl. 435-290.000.

Coy, David H.; and Hocart, Simon J., to Administrators of the Tulane Educational Fund, The. Method for synthesizing a peptide containing a non-peptide. 4,803,261, 2-7-89, Cl. 530-333.000.

Coy, David H.; Murphy, William A.; and Heiman, Mark L., to Administrators of the Tulane Educational Fund, The. Therapeutic somatostatin analogs. 4,853,371, 8-1-89, Cl. 514-12.000.

Coy, David H.; and Moreau, Jacques-Pierre, to Administrators of the Tulane Educational Fund, The. Therapeutic decapeptides. 4,866,160, 9-12-89, Cl. 530-313.000.

Coy, David H.; and Murphy, William A., to Administrators of the Tulane Educational Fund. Peptides. 4,871,717, 10-3-89, Cl. 514-11.000.

Coy, Peter. Valved container closure having nestable spouts. 4,828,141, 5-9-89, Cl. 220-380.000.

Coy, Peter. Valved container closure. 4,836,404, 6-6-89, Cl. 220-90.400.

Coy, Richard A.; and Waycaster, Roy A., to Coy Corporation. Temperature control apparatus. 4,865,986, 9-12-89, Cl. 435-290.000.

Coyle, E. Michael; Reichley, Fred J.; Verbrugge, Calvin J.; and Villarreal, John G., to S. C. Johnson & Son, Inc. Fabric finish with alpha olefin resins and process. 4,855,350, 8-8-89, Cl. 524-506.000.

Coyle, Edward J.; Gallagher, Neal C., Jr.; Bass, Steven C.; Fitch, Joseph P.; and Harber, Ronald G., to Purdue Research Foundation. Digital filtering by threshold decomposition. 4,868,773, 9-19-89, Cl. 364-724.010.

Coyle, Gary W., to ConCoyle Oilfield Tools, Inc. Gas and oil well pumping or swabbing device and method. 4,813,485, 3-21-89, Cl. 166-372.000.

Coyle, R. Tom; and Switzer, Jay A., to Union Oil Company of California. Electrochemical synthesis of ceramic films and powders. 4,882,014, 11-21-89, Cl. 204-1.500.

Coyle, Richard J., Jr.; and Mracek, Jaroslav, to American Telephone and Telegraph Company. Method for welding relatively small parts. 4,859,827, 8-22-89, Cl. 219-121.640.

Coyle, Roy T.; and Ho, Phillman N., to Union Oil Company of California. Production of silicon carbide. 4,839,150, 6-13-89, Cl. 423-345.000.

Coym, Jurgen: *See—*
Freidank, Michael; Coym, Jurgen; and Schubert, Axel, 4,873,970, Cl. 128-202.220.

Coyne, David: *See—*
Rich, David; Staley, Peter; and Coyne, David, 4,796,004, Cl. 341-143.000.

Coyne & Delany Co.: *See—*
Laverty, Martin J., Jr., 4,802,246, Cl. 4-427.000.
Laverty, Martin J., Jr., 4,805,247, Cl. 4-304.000.
Laverty, Martin J., Jr., 4,872,485, Cl. 137-624.110.

Coyne, Henry: *See—*
Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,828,545, Cl. 604-66.000.
Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,865,584, Cl. 604-67.000.

Coyne, Mazie Y.: *See—*
Kaswasaki, Ernest S.; Ladner, Martha B.; Van Arsdell, Janelle N.; Wang, Alice M.; Ralph, Peter; Coyne, Mazie Y.; and Warren, Mary K., 4,847,201, Cl. 435-70.000.

Coyne, Thomas; England, J. Bruce; Haendler, Blanca; Mitchell, Frances E.; and Steichen, Dale S., to Clorox Company, The. Encapsulated enzyme in dry bleach composition. 4,863,626, 9-5-89, Cl. 252-91.000.

Coyne, Thomas J., Jr., to T.C., Inc. Method of and apparatus for reducing iron oxide to metallic iron. 4,880,459, 11-14-89, Cl. 75-35.000.

Coyne, Thomas S.; Klapprott, Daniel H.; Lutkin, Eric A.; Mitchell, Frances E.; Riggin, Ute H.; Steichen, Dale S.; and Thompson, Suzanne M., to Clorox Company, The. Dry peracid based bleaching product. 4,865,759, 9-12-89, Cl. 252-186.420.

Cozean, Colette R. D.: *See—*
Borsanyi, Alexander S.; and Cozean, Colette R. D., 4,811,733, Cl. 128-303.140.

Cozewith, Charles; Ju, Shiaw; and Verstrate, Gary W., to Exxon Research and Engineering Company. Copolymer compositions containing a narrow MWD component and process of making same. 4,874,820, 10-17-89, Cl. 525-240.000.

Cozewith, Charles; Ju, Shiaw; and Verstrate, Gary W., to Exxon Research & Engineering Company. Nodular copolymers formed of alpha-olefin copolymers coupled by non-conjugated dienes. 4,882,406, 11-21-89, Cl. 526-336.000.

Cozewith, Charles: *See—*
Irani, Cyrus A.; Cozewith, Charles; and Kasegrande. Stephen S., 4,857,633, Cl. 528-498.000.

Cozine, Mark L.; Ferguson, David G.; Hansen, Loren F.; and Lamb, Mark E., to Outboard Marine Corporation. Turf aerating apparatus. 4,867,244, 9-19-89, Cl. 172-22.000.

Cozine, Mark L.: *See—*
Hansen, Loren F.; and Cozine, Mark L., 4,881,602, Cl. 172-22.000.

Cozzi, Ennio: *See—*
Federici, Franco; Pin, Giorgio; Cozzi, Ennio; and Trovati, Aldo, 4,851,475, Cl. 525-104.000.
Federici, Franco; Pallozzi, Franco; Cozzi, Ennio; and Turco, Pietro, 4,873,307, Cl. 528-60.000.

Cozzi, Lucio, to SGS Microelecttronica S.p.A. Method and apparatus for testing EPROM type semiconductor devices during burn-in. 4,799,021, 1-17-89, Cl. 324-73.00R.

Cozzi, Lucio, to SGS Microelecttronica S.p.A. Method and apparatus for testing EPROM type semiconductor devices during burn-in. 4,871,963, 10-3-89, Cl. 324-73.00R.

Cozzi, Paolo; Pillan, Antonio; Bertone, Leone; and Lovisolo, Pier P., to Farmitalia Carlo Erba S.p.A. Ethers of substituted hydroxymethlypyrazines. 4,801,711, 1-31-89, Cl. 544-336.000.

Cozzi, Paolo; Ferti, Corrado; Salvati, Patricia; Carganico, Germano; and Pillan, Antonio, to Farmitalia Carlo Erba S.p.A. "N-imidazolyl derivatives of bicyclic compounds and pharmaceutical compositions containing the same" . 4,882,347, 11-21-89, Cl. 514-396.000.

Cozzini Manufacturing Corp.: *See—*
Rudibaugh, C. Richard, 4,795,104, Cl. 241-78.000.

Cozzutto, Lyndon L.; Henry, James D.; and Hawley, Michael E., to Enterprises International, Inc. Plastic bag placement apparatus and method. 4,815,255, 3-28-89, Cl. 53-459.000.

CP Packaging, Inc.: *See—*
O'Meara, John R., 4,867,326, Cl. 215-250.000.
O'Meara, John R., 4,884,703, Cl. 215-6.000.

CPAC, Inc.: *See—*
Rhodes, Curtis O., 4,804,452, Cl. 204-238.000.

CPC Engineering Corporation: *See—*
Martin, Arnold D., 4,855,061, Cl. 210-709.000.

CPC International Inc.: *See—*
Colson, Charles A.; Lejeune, Philippe; Walon, Corinne; and Willemot, Karine, 4,806,426, Cl. 435-252.310.
Danzig, Morris J.; and Kinnersley, Alan M., 4,799,953, Cl. 71-98.000.
Danzig, Morris J.; and Kinnersley, Alan M., 4,806,149, Cl. 71-100.000.
Glittenberg, Detlev; and Stute, Rolf, 4,810,517, Cl. 426-578.000.
Kinnersley, Alan M.; Scott, Taylor C., III; Yopp, John H.; and Whitten, George H., 4,813,997, Cl. 71-66.000.
Lebuhn, Rolf; Feldmann, John; and Koebernick, Hubert, 4,797,478, Cl. 536-18.500.

CPC-Rexcel, Inc.: *See—*
Bruce, Robert; and Whitney, Robert W., 4,836,407, Cl. 220-276.000.

CPI Sales, Inc.: *See—*
Lilie, Kenneth R., 4,820,407, Cl. 209-397.000.

CPP, Inc.: *See—*
Flannery, Gene; Crouse, T. Blair; and Patterson, Wesley L., 4,883,329, Cl. 312-1.000.

CPR Systems Inc.: *See—*
Frehse, Lloyd J., 4,834,464, Cl. 301-108.00R.

CPS KEMI ApS: *See—*
Madsen, Claus H.; and Hansen, Charles M., 4,836,950, Cl. 252-153.000.

CPT Corporation: *See—*
Randall, Jack E., 4,873,704, Cl. 377-47.000.
Storberg, David G., 4,860,311, Cl. 375-19.000.

Crabb, Clarence R., to Dow Chemical Company, The. Thixotropic cement compositions. 4,822,421, 4-18-89, Cl. 106-89.000.

Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goodwin, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoer, Wiebe B., to Epsilon Technology, Inc. Chemical vapor deposition system. 4,828,224, 5-9-89, Cl. 251-298.000.

Crabbe, David: *See—*
Ayala, Jorge A.; Joyce, George A.; and Crabbe, David, 4,798,856, Cl. 524-386.000.

Crabill, Carl A., to Harris Corporation. Multiple spiral inductors for DC biasing of an amplifier. 4,841,253, 6-20-89, Cl. 330-277.000.

Crabtree, Glenn E.: *See—*
Haas, Adam J.; and Crabtree, Glenn E., 4,829,652, Cl. 29-451.000.

Crabtree, Robert H.; and Brown, Stephen H., to Yale University. Photochemical dimerization and functionalization of alkanes, ethers, primary and secondary alcohols, phosphine oxides and silanes. 4,874,488, 10-17-89, Cl. 204-157.150.

Crabtree, Samuel B.: *See—*
Kiesche, Eric A.; and Crabtree, Samuel B., 4,873,753, Cl. 29-157.30R.

Crabtree, Timothy L.; Fairchild, Robert G.; and Lindquist, Charles, to Odetics, Inc. Robotic materials handling system. 4,846,619, 7-11-89, Cl. 414-273.000.

Cracauer, Ray F.; Walker, Robert D.; and Gruenberg, Micheal L., to Endotronics, Inc. Hollow fiber cell culture device and method of operation. 4,804,628, 2-14-89, Cl. 435-240.242.

Crace Associates, Inc.: *See—*
Crace, Robert J., 4,877,417, Cl. 44-535.000.

Crace, R. Joseph, to Hickory Specialties, Inc. Flavor-imparting permanent briquette for gas and electric grills. 4,857,074, 8-15-89, Cl. 44-540.000.

Crace, Robert J., to Crace Associates, Inc. Artificial fireplace log. 4,877,417, 10-31-89, Cl. 44-535.000.

Crace, Robert L. Touch effective disinfectant tape. 4,832,942, 5-23-89, Cl. 428-40.000.

Crack, David J., to Morse Controls Limited. Remote control mechanisms. 4,887,481, 12-19-89, Cl. 74-500.500.

Crack, David J., to Morse Controls Limited. Remote control mechanisms. 4,889,005, 12-26-89, Cl. 74-501.600.

Cracraft, Larry A.: *See—*
Redmond, John P.; Sheak, Ray N.; Shirk, Albert; and Cracraft, Larry A., 4,820,170, Cl. 439-66.000.

Cradeur, Robert R.: *See—*
Krajicek, Richard W.; and Cradeur, Robert R., 4,805,653, Cl. 134-166.00C.
Krajicek, Richard W.; and Cradeur, Robert R., 4,817,653, Cl. 134-168.00R.
Krajicek, Richard W.; and Cradeur, Robert R., 4,856,545, Cl. 134-166.00C.
Krajicek, Richard W.; and Cradeur, Robert R., 4,869,638, Cl. 414-745.300.

Craft, Charles W., Jr.: *See—*
Murphy, Kent W.; and Craft, Charles W., Jr., 4,848,574, Cl. 206-444.000.

Craft, David C., to Magnetic Peripherals Inc. Static electricity discharge device for a magnetic head. 4,841,395, 6-20-89, Cl. 360-103.000.

Craft, Inc.: *See—*
Roy, Armand E.; and Roy, Leo T., 4,870,749, Cl. 29-798.000.

Craft, Jack: *See—*
Low, Michael L.; and Craft, Jack, 4,853,647, Cl. 330-256.000.

Crafts, Cynthia S. Mixologist mitt. 4,805,238, 2-21-89, Cl. 2-20.000.

Crafts, Douglas E.; and Leonov, Mark A., to Intel Corporation. Anode cathode parallelism gap gauge. 4,868,992, 9-26-89, Cl. 33-533.000.

Crafts, Harold S.; and Scaggs, Mark Q., to NCR Corporation. High frequency integrated circuit channel capacitor. 4,866,567, 9-12-89, Cl. 361-311.000.

Craftsman Printing Company: *See—*
Nail, James W., 4,799,661, Cl. 270-54.000.

Cragel, Daniel F., to Williams International Corporation. Compliant hydrodynamic gas bearing. 4,806,023, 2-21-89, Cl. 384-106.000.

Cragoe, Edward J., Jr.: *See—*
Pietruszkiewicz, Adolph M.; Cragoe, Edward J., Jr.; and Woltersdorf, Otto W., Jr., 4,835,313, Cl. 564-225.000.
Woltersdorf, Otto W., Jr.; Cragoe, Edward J., Jr.; and Pietruszkiewicz, Adolph M., 4,797,391, Cl. 514-[illegible]0.000.

Crahay, Jean: *See—*
Monfort, Guy; Crahay, Jean; and Bragard, Adolphe, 4,850,089, Cl. 29-121.800.

Craig, Alan R.; and Hartz, Thomas P., Jr., to Du Pont de Nemours, E. I., and Company. Use of polyoxyethylene ethers to improve the performance of immunoassays employing peroxidase conjugates. 4,810,630, 3-7-89, Cl. 435-7.000.

Craig, Clark E., to Valhi Inc. Flush mounted panel lock construction. 4,882,919, 11-28-89, Cl. 70-208.000.

Craig, Daniel H., to Hercules Incorporated. Small particle size non-surface active protective colloid-stabilized latexes derived from monomers of high aqueous phase grafting tendencies. 4,801,643, 1-31-89, Cl. 524-832.000.

Craig, Daniel H., to Aqualon Company. Suspension polymerization of a vinyl monomer in the presence of (A) carboxymethyl hydrophobically modified hydroxyethylcellulose (CMHMHEC) or (B) CMHMHEC in combination with an electrolyte or polyelectrolyte. 4,868,238, 9-19-89, Cl. 524-457.000.

Craig, Daniel H., to Aqualon Company. Process for preparation of polymers by suspension polymerization of vinyl monomer in the presence of hydrophobically modified watersoluble, nonionic cellulose ether polymer in combination with electrolyte. 4,883,850, 11-28-89, Cl. 526-200.000.

Craig, David J., to Unisys Corporation. Electronic component transportation container. 4,865,197, 9-12-89, Cl. 206-328.000.

Craig, Howard L., Jr., to Mobil Oil Corporation. Conversion of aluminum-mercury amalgam and incidental mercury in contact with aluminum alloy surfaces to harmless compounds. 4,830,829, 5-16-89, Cl. 422-7.000.

Craig, Kenneth C., Jr.; Gauglitz, Karl F.; Losh, G. Michael; Mason, Lee R.; Nova, Richard C.; Taylor, James W.; and Prosser, Stephen J., to Physio-Control Corporation. Method and apparatus for indicating perfusion and oxygen saturation trends in oximetry. 4,869,253, 9-26-89, Cl. 128-633.000.

Craig, Laurence B.: *See—*
Farina, Alfred J.; and Craig, Laurence B., 4,805,590, Cl. 126-101.000.

Craig, Philip A.; Haelsig, Richard T.; Kent, John D.; and Schmoker, Duane S., to Nuclear Packaging, Inc. On-site concrete cask storage system for spent nuclear fuel. 4,800,062, 1-24-89, Cl. 376-272.000.

Craig, Preston S.; and Fisher, Jeffrey A., to United Technologies Corporation. Grappling device. 4,815,782, 3-28-89, Cl. 294-119.300.

Craig, Richard; and Wilt, Brian L., to HealthPak, Incorporated. Disposable dental tray. 4,852,738, 8-1-89, Cl. 206-369.000.

Craig, Richard R.: *See—*
Pepper, David M.; and Craig, Richard R., 4,803,696, Cl. 372-95.000.

Craig, Susan P.: *See—*
Ainslie, Benjamin J.; and Craig, Susan P., 4,799,946, Cl. 65-3.120.

Craig, Wallace M., Jr., to Hi-Tek Polymers, Inc. Low viscosity noncrystalline dicyanate ester blends with prepolymers of dicyanate esters. 4,839,442, 6-13-89, Cl. 528-422.000.

Craigen, Joseph G.: *See—*
Cook, Timothy; Craigen, Joseph G.; and Morgan, Clive A., 4,799,647, Cl. 251-356.000.

Craighead, Jimmy R., to Manville Corporation. Packaging machine jamming detector. 4,875,323, 10-24-89, Cl. 53-48.000.

Craighead, Lawrence W.; and Niven, Clarence A., to Minnesota Mining and Manufacturing Company. Method of making a biomedical electrode. 4,798,642, 1-17-89, Cl. 156-252.000.

Craighead, Lawrence W., to Minnesota Mining and Manufacturing Company. Coated films. 4,848,348, 7-18-89, Cl. 128-639.000.

Craighero, Enrico: *See—*
Agostoni, Alberto; D'Agostino, Alfredo; Craighero, Enrico; and Marazza, Renzo, 4,881,620, Cl. 182-179.000.

Crain, Lewis E.: *See—*
Guest, John H.; and Crain, Lewis E., 4,858,536, Cl. 110-166.000.

Crain, Steven P.: *See—*
Mullins, Michael J.; Crain, Steven P.; Woo, Edmund P.; and Murray, Daniel J., 4,880,884, Cl. 525-469.000.
Silvis, H. Craig; Crain, Steven P.; and Nader, Bassam S., 4,837,293, Cl. 528-99.000.
Wang, Pen-Chung; and Crain, Steven P., 4,831,161, Cl. 548-312.000.

Crall, Hugh C.: *See—*
Thompson, Glenn A.; Corso, Anthony J.; and Steuernagel, Hans H., 4,855,411, Cl. 534-629.000.

Crall, Richart F., to Compix Incorporated. Portable infrared imaging apparatus. 4,814,870, 3-21-89, Cl. 358-113.000.

Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C., Kumar, Anand; and Leong, Koon-Wah, to Technicon Instruments Corporation; and University of California, The Regents of the. Method for detecting cations in a test sample utilizing chromogenic cryptahemispherands. 4,859,606, 8-22-89, Cl. 436-79.000.

Cramarossa, Francesco: *See—*
D'Agostino, Riccardo; Cramarossa, Francesco; Fracassi, Francesco; Illuzzi, Francesca; and Caporiccio, Gerardo, 4,869,922, Cl. 427-38.000.

Crambes, Michel. Process for compaction-reinforcement-grouting or for decompaction-drainage and for construction of linear works and plane works in the soils. 4,832,535, 5-23-89, Cl. 405-266.000.

Crame, Andrew J.: *See—*
Kitchin, John; Cherry, Peter C.; Pipe, Adrian J.; Crame, Andrew J.; and Borthwick, Alan D., 4,880,801, Cl. 514-215.000.

Cramer, Arthur A., Jr.; and Cramer, Brian S. Tolerance ring and shim. 4,828,423, 5-9-89, Cl. 403-372.000.

Cramer, Bernhard M. Steerable guide wire for catheters. 4,800,890, 1-31-89, Cl. 128-657.000.

Cramer, Brian S.: *See—*
Cramer, Arthur A., Jr.; and Cramer, Brian S., 4,828,423, Cl. 403-372.000.

Cramer, Claus: *See—*
Seibert, Rudolf; and Cramer, Claus, 4,890,003, Cl. 307-66.000.

Cramer GmbH & Co., Kommanditgesellschaft: *See—*
Kaselow, Dietmar G., 4,830,602, Cl. 431-80.000.
Krohn, Gunter; and Kaselow, Dietmar, 4,846,144, Cl. 126-39.00G.

Cramer, Gottfried: *See—*
Krumm, Valentin; Gsell, Siegbert; and Cramer, Gottfried, 4,817,681, Cl. 139-450.000.

Cramer, Herbert: *See—*
Ernst, Hans-Otto; and Cramer, Herbert, 4,811,178, Cl. 362-226.000.

Cramer, Jeffrey: *See—*
Piwinski, John J.; Green, Michael J.; Ganguly, Ashit K.; Wong, Jesse K.; Katchen, Bernard; and Cramer, Jeffrey, 4,804,666, Cl. 514-278.000.

Cramer, John O. Game assembly based on the Phi factor. 4,804,187, 2-14-89, Cl. 273-157.00R.

Cramer, Judith C. Security restraining blanket. 4,858,625, 8-22-89, Cl. 128-872.000.

Cramer, Paul S., to Avco Corporation. Combustion chamber liner having failure activated cooling and dectection system. 4,838,030, 6-13-89, Cl. 60-753.000.

Cramer, Paul S., to Avco Corporation. Internally cooled combustion chamber liner. 4,838,031, 6-13-89, Cl. 60-753.000.

Cramer, Paul S., to Avco Corporation. Combustor attachment device. 4,848,089, 7-18-89, Cl. 60-752.000.

Cramer, Randall J.; and Smith, William L., to Clorox Company, The. Thickened bleach composition. 4,839,077, 6-13-89, Cl. 252-98.000.

Cramer, Ronald G., to S. C. Johnson & Son, Inc. Sectional container for holding and displaying articles. 4,815,622, 3-28-89, Cl. 220-4.00B.

Crameri, Yvo: *See—*
Broger, Emil A.; Crameri, Yvo; and Heiser, Bernd, 4,857,648, Cl. 546-147.000.

Cramm, Russell H.: *See—*
Lancaster, Gerald M.; Kelley, David C.; Cramm, Russell H.; and Neywick, Charles V., 4,847,155, Cl. 428-421.000.

Crampton, C. Philip, to Hamilton Tool Company, The. Cut off or cross perforator or scoring cylinder with quick blade release. 4,848,202, 7-18-89, Cl. 83-343.000.

Crampton, Timothy P., to Applied Research & Technology, Inc. Unique computer power system with backup power. 4,885,521, 12-5-89, Cl. 320-14.000.

Crancon, Jean-Pierre: *See—*
Lavarini, Bernard; Crancon, Jean-Pierre; and Thomas, Jean-Yves, 4,862,100, Cl. 330-4.300.

Crandall, Douglas; Cavanna, Vicente; Shankar, Pradip; and Nordby, Rasmus, to Hewlett-Packard Company. Synchronizing system. 4,873,703, 10-10-89, Cl. 375-118.000.

Crandall, Earl F., to Digital Equipment Corporation. Low impedance cable. 4,808,773, 2-28-89, Cl. 174-113.00R.

Crandall, James A.: *See—*
Brown, David L.; Crandall, James A.; and Gilliard, Brian A., 4,866,883, Cl. 49-502.000.

Crandall, John W.; and Ream, Bernard C., to Union Carbide Corporation. Process for refining ethylene glycol. 4,830,712, 5-16-89, Cl. 203-35.000.

Crandall, Neil H. Picture hanger and method of using. 4,883,247, 11-28-89, Cl. 248-542.000.

Crandall, Robert P., to Eastman Kodak Company. Method for making multi-color reproductions on plain bond paper. 4,828,950, 5-9-89, Cl. 430-45.000.

Crandall, Robert P., to Eastman Kodak Company. Electronic printer apparatus with intelligent accent color. 4,857,955, 8-15-89, Cl. 355-328.000.

Crandall, Scott E.: *See—*
Dahowski, Donald E.; and Crandall, Scott E., 4,829,732, Cl. 52-298.000.

Crandall, Scott R.; Droste, Timothy A.; and Rosen, Stanley D., to Ford Motor Company. Torque converter lockup clutch control for an automatic transmission. 4,876,923, 10-31-89, Cl. 74-732.000.

Crandell, Walter R., to Fast Heat Element Manufacturing Co., Inc. Electrically heated nozzles and nozzle systems. 4,795,126, 1-3-89, Cl. 249-78.000.

Crane, Barry C.: *See—*
Markle, David R.; Crane, Barry C.; and Irvine, Michael P., 4,889,407, Cl. 350-96.290.

Crane Carrier Company: *See—*
Yeazel, Kenneth L.; and Forester, Robert J., 4,872,801, Cl. 414-409.000.

Crane, Carroll, to Peabody Coal Company. Brake system. 4,821,873, 4-18-89, Cl. 198-856.000.

Crane Carton Company: *See—*
Platt, Ronald, 4,798,323, Cl. 229-115.000.

Crane, Dale E.; and Qin, Yi, to Uniphase Corporation. Gas lasers with reduced turn-on delay. 4,864,583, 9-5-89, Cl. 372-61.000.

Crane, Harold E. Interactive dynamic real-time management system. 4,843,575, 6-27-89, Cl. 364-550.000.

Crane, Herbert R.; and Liddell, Margaret G., to Hobart Corporation. Food mixer/folder. 4,854,717, 8-8-89, Cl. 366-197.000.

Crane, Jack W.; Anstee, L. Lavern; VanGinhoven, Robert M.; and Jennings, Richard E., to Ford New Holland, Inc. Timing belt for disc cutterbars. 4,887,416, 12-19-89, Cl. 56-13.600.

Crane, Jack W., to Ford New Holland, Inc. Belt driven disc cutterbar. 4,888,939, 12-26-89, Cl. 56-13.600.

Crane, Jacob; Johnson, Barry C.; Mahulikar, Deepak; and Butt, Sheldon H., to Olin Corporation. Semiconductor package. 4,888,449, 12-19-89, Cl. 174-52.400.

Crane, Jacob: *See—*

Ashok, Sankaranarayanan; Crane, Jacob; and Fister, Julius C., 4,822,693, Cl. 428-614.000.

Crane, John J., Jr.; and Miller, Larry G., to Borg-Warner Corporation. Interlocking universal joint seal assembly. 4,810,233, 3-7-89, Cl. 464-131.000.

Crane, Larry A. Lateral support for ankle. 4,809,686, 3-7-89, Cl. 128-80.00H.

Crane, Larry A. Hair cutting device with a vacuum disposal. 4,843,717, 7-4-89, Cl. 30-133.000.

Crane, Michael B.; and Sullivan, Neil W., to Call It Co. Interactive computerized communications systems with voice input and output. 4,866,756, 9-12-89, Cl. 379-88.000.

Crane, Newell D.; and Moore, David E. Supersonic fan nozzle having a wide exit swath. 4,843,770, 7-4-89, Cl. 51-439.000.

Crane Packing Limited: *See—*

Lowe, David J.; and Kemp, John, 4,795,169, Cl. 277-87.000.

Parmar, Amrat, 4,850,599, Cl. 277-26.000.

Crane, Patrick E. Dual polarized monopulse orthogonal superposition. 4,821,039, 4-11-89, Cl. 342-153.000.

Crane, Robert A., to GTE Products Corporation. Strain relief device. 4,808,774, 2-28-89, Cl. 174-135.000.

Crane, Robert A.; and Napiorkowski, John J., to GTE Products Corporation. Coated electrical connector. 4,824,390, 4-25-89, Cl. 439-271.000.

Crane, Robert A.; and Morse, Harrod W., to GTE Products Corporation. Building entrance terminal. 4,890,318, 12-26-89, Cl. 379-399.000.

Crane, Ronald C., to 3Com Corporation. Impedance measuring apparatus for R.F. baseband signals over two wire telephone lines. 4,853,950, 8-1-89, Cl. 379-24.000.

Crane, Terry A.; and Way, Frank P., to Grass Valley Group, Inc., The. Centering sleeve for coaxial connectors. 4,826,450, 5-2-89, Cl. 439-578.000.

Crane, Toni C. Lunge whip for training horses. 4,863,095, 9-5-89, Cl. 231-2.100.

Crane, William J.: *See—*

Cathey, David A.; Freeman, John C.; Dale, James; Crane, William J.; Powell, Eric A.; and Musser, Jeffrey V., 4,859,304, Cl. 204-298.000.

Cranfield Institute of Technology: *See—*

Turner, Anthony P. F.; Hendry, Stuart P.; and Cardosi, Marco F., 4,882,013, Cl. 204-1.00T.

Cranford, Robert F., to Aline-A-Lite, Inc. Keystroke aligning system and margin indicator for typewriters and computer printers. 4,867,592, 9-19-89, Cl. 400-709.000.

Crank, Sue E.: *See—*

Jucha, Rhett B.; Davis, Cecil J.; Carter, Duane E.; Crank, Sue E.; and Jones, John I., 4,849,067, Cl. 156-643.000.

Jucha, Rhett B.; Davis, Cecil J.; and Crank, Sue E., 4,863,558, Cl. 156-643.000.

Jucha, Rhett B.; Carter, Duane E.; Davis, Cecil J.; and Crank, Sue E., 4,874,723, Cl. 437-245.000.

Cranko, Ernest E.: *See—*

Coetzee, John A.; Cranko, Ernest E.; and Moore, Roger K., 4,842,063, Cl. 166-285.000.

Crankshaft Machine Company: *See—*

Lubiarz, Arthur F., 4,859,125, Cl. 409-287.000.

Crankshaw, John H., to Dynetics, Inc. Method of forming crowned gear teeth. 4,872,791, 10-10-89, Cl. 409-12.000.

Crankshaw, Michael; and Kucheck, Leo, to Label-Aire Inc. Labeling system. 4,830,701, 5-16-89, Cl. 156-448.000.

Crankshaw, Michael; and Newell, Arthur B., to Label-Aire Inc. Printer-tamp label applicator. 4,844,771, 7-4-89, Cl. 156-387.000.

Cranston, Dean H.: *See—*

Creagh, Linda T.; Spehrley, Charles W., Jr.; Hine, Nathan P.; Cranston, Dean H.; and MacDonald, Jack B., 4,864,330, Cl. 346-140.00R.

Crapo, Alan D., to Seagate Technology, Inc. Disc drive spindle motor with low cogging torque. 4,847,712, 7-11-89, Cl. 360-99.080.

Crapo, Alan D., to Seagate Technology, Inc. Disc drive spindle motor with low cogging torque. 4,858,044, 8-15-89, Cl. 360-99.080.

Crapser, James R.: *See—*

Buhler, James E.; Crapser, James R.; Miller, Allen D.; and Wefler, Mark E., 4,875,626, Cl. 239-314.000.

Crary Company: *See—*

Majkrzak, David S., 4,805,390, Cl. 56-300.000.

Craske, Hadyn L.: *See—*

Hunt, Timothy J.; and Craske, Hadyn L., 4,887,698, Cl. 188-325.000.

Crasnianski, Serge. Integrated automatic machine for simultaneously and continuously effecting the development of photographic films and the printing and development of photographic prints. 4,864,354, 9-5-89, Cl. 355-27.000.

Crass, Guenther: *See—*

Bothe, Lothar; Schloegl, Gunter; and Crass, Guenther, 4,863,032, Cl. 206-444.000.

Bothe, Lothar; Crass, Guenther; Janocha, Siegfried; and Schloegl, Gunter, 4,883,698, Cl. 428-35.900.

Janocha, Siegfried; Crass, Guenther; Schloegl, Gunter; and Bothe, Lothar, 4,842,187, Cl. 229-87.00F.

Paschke, Klaus; Crass, Guenther; and Dinter, Peter, 4,875,763, Cl. 156-249.000.

Peiffer, Herbert; Crass, Guenther; Dietz, Wolfgang; and Schloegl, Gunter, 4,803,027, Cl. 264-210.500.

Crasto, Lloyd T.: *See—*

Bossier, Joseph A., III; Richards, Douglas M.; and Crasto, Lloyd T., 4,847,061, Cl. 423-347.000.

Crater, Timothy G.: *See—*

Petersen, James A.; and Crater, Timothy G., 4,860,784, C 137-315.000.

Crathern Engineering Co., Inc.: *See—*

Duquette, John B., 4,865,067, Cl. 137-4.000.

Craubner, Hans, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Density measuring apparatus. 4,813,283, 3-21-89, C 73-436.000.

Craven, Kenneth D.: *See—*

Caldwell, Glen D.; and Craven, Kenneth D., 4,872,282, C 43-121.000.

Craven, Malcolm; and Small, Mason S., to Automated Machinery Systems, Inc. Method for forming a template. 4,806,051, 2-21-89, C 409-84.000.

Craven, Tyson S.; and Choriyammakal, Pushpa M., to Dayton Granger, Inc. Global position satellite antenna. 4,878,062, 10-31-8 Cl. 343-872.000.

Cravens, James A.: *See—*

Cravens, Timothy J.; and Cravens, James A., 4,880,250, C 280-414.100.

Cravens, Timothy J.; and Cravens, James A. Attachment kit for mobile flatbed for carrying two vehicles. 4,880,250, 11-14-89, C 280-414.100.

Craver, James E.: *See—*

Duncan, Robert; and Craver, James E., 4,873,051, Cl. 376-438.0

Craver, Richard D., to Orrville Products, Inc. Firebox door arrangement. 4,817,585, 4-4-89, Cl. 126-200.000.

Craver, Richard D., to Orrville Products, Inc. Secondary combustion device for woodburning stove. 4,854,298, 8-8-89, Cl. 126-77.000.

Craveur, Jean-Charles: *See—*

Aubry, Jean-Pierre; Fragneau, Marc; Craveur, Jean-Charles; Ja niaud, Denis; and Muller, Serge, 4,859,898, Cl. 310-353.000.

Crawford, Alan D.; Johnson, Allan B.; and Trenary, John M., to Dena Research Corporation. Automatic cleaning device. 4,845,79 7-11-89, Cl. 15-22.00R.

Crawford, Alexander, to Massey-Ferguson Inc. Method and apparatus for forming bales. 4,803,832, 2-14-89, Cl. 56-341.000.

Crawford, Andrew S.: *See—*

Powell, Kenneth A.; and Crawford, Andrew S., 4,873,643, C 364-468.000.

Crawford, Carl R.; and Lorensen, William E., to General Electric Company. Apparatus and method for improvement of 3D image derived from tomographic data. 4,831,528, 5-16-89, Cl. 364-413.22

Crawford, Carl R.; Frazee, David M.; and Santos, Enrique, to General Electric Company. Rapid processing of three-dimensional graphics objects from tomographic data. 4,868,748, 9-19-89, Cl. 364-413.22

Crawford, Carl R., to General Electric Company. Minimization of directed points generated in three-dimensional dividing cube method. 4,885,688, 12-5-89, Cl. 364-413.220.

Crawford, Carl R.: *See—*

Gullberg, Grant T.; and Crawford, Carl R., 4,812,983, C 364-413.170.

Crawford, Clayton C.: *See—*

Brauer, Melvin; and Crawford, Clayton C., 4,889,915, C 525-458.000.

Crawford, Dawn: *See—*

Touchet, Paul; Rodriguez, Gumersindo; Gatza, Paul E.; Better, Daniel P.; Crawford, Dawn; Teets, Alan R.; Feuer, Hank O.; and Flanagan, David P., 4,843,114, Cl. 524-87.000.

Crawford, Delmar E.; and Fields, Harold T., to General Electric Company. Method of treating a core. 4,842,895, 6-27-89, C 427-116.000.

Crawford, Dennis W.; and Turner, Larry G., to Masco Corporation of Indiana. Self sealing anti-knock diverter valve. 4,798,221, 1-17-89, C 137-119.000.

Crawford, Douglas W.: *See—*

De Cuir, Perry J., 4,865,125, Cl. 166-178.000.

Crawford, Duane A.: *See—*

Avant, Odis L.; and Crawford, Duane A., 4,848,367, C 128-898.000.

Avant, Odis L.; and Crawford, Duane A., 4,873,977, Cl. 13 334.00R.

Crawford Fitting Company: *See—*

Grimm, Michael N.; Farley, Forrest F., Jr.; and Oliver, Randolph C., 4,843,858, Cl. 72-149.000.

Johnston, Lonnie E., 4,873,755, Cl. 29-237.000.

Johnston, Lonnie E.; and Volcansek, Steven J., 4,879,819, C 33-833.000.

Musil, James C.; and Zahuranec, Emery J., 4,796,877, C 269-87.200.

Zahuranec, Emery J., 4,826,218, Cl. 285-342.000.

Crawford, Frances G.; Shively, John E.; Todd, Charles W.; and Yang, Y. H. Joy, to Beckman Research Institute of City of Hope. Specific hybridoma cell line and monocolonal antibodies produced from such specific hybridoma cell line and method of using such monoclonal antibodies to detect carcinoembryonic antigens. 4,873,313, 10-10-8 Cl. 530-387.000.

Crawford, James A., to Hughes Aircraft Company. Sample-and-hold phase detector circuit. 4,810,904, 3-7-89, Cl. 307-353.000.

Crawford, John C., to Colgate-Palmolive Company. Dispenser with closure cap. 4,852,774, 8-1-89, Cl. 222-545.000.

Crawford, John E.; and Crofut, Keith, to Cellier Corporation. Filter for filtering solids out of a liquid having a doctor blade wiping means. 4,880,539, 11-14-89, Cl. 210-408.000.

Crawford, Keith F., to Siemens-Pacesetter, Inc. Pacemaker connector system. 4,848,346, 7-18-89, Cl. 128-419.00P.

Crawford, Paul A.; and Edwards, Douglas F., to Dana Corporation. Triple function shift mechanism. 4,844,227, 7-4-89, Cl. 192-3.540.

Crawford, Peter F.; Maycock, Ian C.; and Bicknell, Graham R., to Automotive Products plc. Friction facing material and carrier assembly. 4,821,860, 4-18-89, Cl. 192-107.00C.

Crawford, Richard J.; and Talamantez, Manuel. Storage tape for electronic components. 4,867,308, 9-19-89, Cl. 206-330.000.

Crawford, Robert J. Slip lock forming apparatus. 4,803,879, 2-14-89, Cl. 72-322.000.

Crawford, Roger A.: *See—*

Chakrabarti, Paritosh M.; Crawford, Roger A.; and Juda, Robert H., 4,818,532, Cl. 424-150.000.

Juda, Robert H.; Chakrabarti, Paritosh M.; and Crawford, Roger A., 4,844,899, Cl. 424-664.000.

Crawford, Steven M.; Crowder, Eugene W.; and Sparks, Timothy H., to Westvaco Corporation. Paper printability tester. 4,803,872, 2-14-89, Cl. 73-150.00R.

Crawford, Thomas, to Grumman Aerospace Corporation. Universal harness board. 4,867,207, 9-19-89, Cl. 140-92.100.

Crawford, Thomas C.; Keely, Stanley L.; Larson, David L.; Lombardino, Joseph G.; and Maciejko, James J., to Pfizer Inc. Antiinflammatory compositions and methods. 4,812,455, 3-14-89, Cl. 514-226.500.

Crawford, Thomas C.; Keely, Stanley L.; Larson, David L.; Lombardino, Joseph G.; and Maciejko, James J., to Pfizer Inc. Antinflammatory compositions and methods. 4,874,757, 10-17-89, Cl. 514-226.500.

Crawley, Charles R. Positive ventilation cooling augmentor. 4,870,832, 10-3-89, Cl. 62-89.000.

Crawley, Edward F.; and de Luis, Javier, to Massachusetts Institute of Technology. Embedded piezoelectric structure and control. 4,849,668, 7-18-89, Cl. 310-328.000.

Crawley, Matthew J. Football kicking practice device. 4,836,542, 6-6-89, Cl. 273-55.00B.

Crawley, Michael F.; and Snowdon, Brian, to Macawber Engineering, Inc. Pneumatic conveying system. 4,834,587, 5-30-89, Cl. 406-23.000.

Crawshaw, Roger: *See—*

Garrood, David; Crawshaw, Roger; Henderson, Ian; and Dutton, Frank A., 4,833,484, Cl. 343-781.0CA.

Cray Research, Inc.: *See—*

August, Melvin C.; Neumann, Eugene F.; Bowen, Stephen A.; and Williams, John T., 4,884,168, Cl. 361-382.000.

Halford, Robert J., 4,807,121, Cl. 364-200.000.

Jacobson, Terry W., 4,800,374, Cl. 340-649.000.

Massopust, Dan, 4,813,128, Cl. 29-830.000.

Neumann, Eugene F., 4,859,188, Cl. 439-45.000.

Craycroft, Robert S.; Lorenzo, Tina V.; Hansen, John H.; and Russell, Earnest J., to Burlington Industries, Inc. Process for rapid dyeing from entrained compositions of high-boiling solvents. 4,816,035, 3-28-89, Cl. 8-938.000.

Craycroft, Robert S.: *See—*

Davis, James K.; Craycroft, Robert S.; and Lorenzo, Tina V., 4,799,935, Cl. 8-922.000.

Craythorne, Colin M.; Parsley, George; and Lowe, Robert W. Ankle support apparatus. 4,865,023, 9-12-89, Cl. 128-80.00H.

Crayton, John W.; Kinas, Charles T.; and Sinn, Scott G., to Caterpillar Inc. Apparatus for sensing a failed position and velocity sensor. 4,864,284, 9-5-89, Cl. 340-635.000.

CRC-Evans Pipeline International, Inc.: *See—*

Slavens, Clyde M., 4,857,701, Cl. 219-125.120.

Crea, Filippo: *See—*

Sottini, Stefano; Russo, Vera; Crea, Filippo; and Margheri, Giancarlo, 4,842,390, Cl. 350-96.150.

Crea, Roberto, to Creative BioMolecules, Inc. Production of gene and protein analogs through synthetic gene design using double stranded synthetic oligonucleotides. 4,888,286, 12-19-89, Cl. 435-172.300.

Creagan, Richard W.; and Nicol, Alan J., to Black Clawson Company, The. Horizontal twin wire machine with vertically adjustable open roll and deflector blade. 4,875,977, 10-24-89, Cl. 162-300.000.

Creagh, Linda T.; Fulton, Steven F.; Hoisington, Paul A.; Paulson, Bruce A.; Schaffer, Robert R.; and Spehrley, Charles W., Jr., to Spectra, Inc. Method for preparing a hot melt ink transparency. 4,801,473, 1-31-89, Cl. 427-164.000.

Creagh, Linda T.; Spehrley, Charles W., Jr.; Hine, Nathan P.; Cranston, Dean H.; and MacDonald, Jack B., to Spectra, Inc. Method of forming a hot melt ink unit. 4,864,330, 9-5-89, Cl. 346-140.00R.

Creagh, Linda T.; Fulton, Steven F.; Hoisington, Paul A.; Paulson, Bruce A.; Schaffer, Robert R.; and Spehrley, Charles W., Jr., to Spectra, Inc. Hot melt ink transparency. 4,877,676, 10-31-89, Cl. 428-204.000.

Cream of Nutmeg Corporation: *See—*

Greene, Leonard M., 4,832,974, Cl. 426-651.000.

Crean, Robert F.: *See—*

Whitesides, Robert B.; Hovland, Lyle W.; and Crean, Robert F., 4,819,006, Cl. 343-880.000.

Creanova AG: *See—*

Wassilieff, Victor, 4,886,193, Cl. 222-446.000.

Creasey, James A.: *See—*

Allen, Francis; Creasey, James A.; and Brant, Ronald, 4,829,604, Cl. 2-170.000.

Creason, Kenneth C.; Salka, John A.; and Holland, Ralph R., to Fillmore-Piru Citrus Association. Fruit waxing method. 4,842,880, 6-27-89, Cl. 426-303.000.

Creasy, Walter S., to Hydromer, Inc. Hydrophilic polyvinylbutyral alloys. 4,847,324, 7-11-89, Cl. 525-57.000.

Creasy, Walter S.; and Lorenz, Donald H., to Hydromer, Inc. Shaving articles lubricious when wet and compositions therefor. 4,875,287, 10-24-89, Cl. 30-34.010.

Create System Co., Ltd.: *See—*

Matsumoto, Masatsugu, 4,884,984, Cl. 439-877.000.

Createc Gesellschaft fur Electrotechnik mbH: *See—*

Koslar, Manfred; and Hubski, Peter, 4,839,638, Cl. 340-784.000.

Creath, Katherine: *See—*

Wyant, James C.; and Creath, Katherine, 4,832,489, Cl. 356-359.000.

Creation de Mecanismes, d'Automatismes et d'Asservissements: *See—*

Hanser, Patrick E. L., 4,805,253, Cl. 15-246.500.

Hanser, Patrick E. L., 4,887,328, Cl. 15-246.500.

Creative Assets and Consulting Corporation: *See—*

Restaino, Alfred J., 4,822,870, Cl. 528-322.000.

Creative Associates: *See—*

Lahr, Roy J., 4,797,016, Cl. 400-237.000.

Lahr, Roy J., 4,828,413, Cl. 400-174.000.

Creative Athletic Products and Services, Inc.: *See—*

Wright, Robert L., 4,874,168, Cl. 273-26.00C.

Wright, Robert L., 4,883,170, Cl. 206-315.100.

Creative BioMolecules, Inc.: *See—*

Crea, Roberto, 4,888,286, Cl. 435-172.300.

Creative Devices Research Limited: *See—*

Holloway, Wynford, 4,816,622, Cl. 200-6.00A.

Creative Endeavors, Inc.: *See—*

Engel, Elton D., 4,831,810, Cl. 53-390.000.

Creative Environments, Inc.: *See—*

Luthy, Chella, 4,837,421, Cl. 219-272.000.

Creative Light & Sound Corporation: *See—*

White, Donald L., 4,842,311, Cl. 292-85.000.

Creative Packaging Corp.: *See—*

Beck, James M., 4,848,612, Cl. 215-235.000.

Creative Products Merchandising, Inc.: *See—*

Sainato, Anthony, 4,798,013, Cl. 40-651.000.

Sainato, Anthony V., 4,854,533, Cl. 248-221.100.

Creative Products Resource Associates, Ltd.: *See—*

Kellett, George W., 4,806,572, Cl. 521-112.000.

Kellett, George W.; and Murphy, Betty J., 4,856,541, Cl. 132-110.000.

Creative Structures, Inc.: *See—*

Winston, Robert H., 4,797,020, Cl. 403-231.000.

Creatura, John A.; and Maniar, Deepak R., to Xerox Corporation. Processes for maintaining the triboelectric stability of electrophotographic developers. 4,828,956, 5-9-89, Cl. 430-137.000.

Creber, Dave K.; and Gesing, Adam J., to Lanxide Technology Company, LP. Production of ceramic articles incorporating porous filler material. 4,820,461, 4-11-89, Cl. 264-57.000.

Creber, Dave K.: *See—*

Claar, T. Dennis; Poste, Steven D.; Gesing, Adam J.; Sobczyk, Marek; Raghavan, Narashima S.; Creber, Dave K.; and Nagelberg, Alan S., 4,824,625, Cl. 264-126.000.

White, Danny R.; Urquhart, Andrew W.; Aghajanian, Michael K.; and Creber, Dave K., 4,828,008, Cl. 164-66.100.

Crecelius, David B.: *See—*

Crecelius, Ross E.; O'Neal, Patrick E.; and Crecelius, David B., 4,872,571, Cl. 215-232.000.

Crecelius, Ross E.; O'Neal, Patrick E.; and Crecelius, David B. Container pour spout with peelable tamper-proof seal. 4,872,571, 10-10-89, Cl. 215-232.000.

Credali, Lino; Mulas, Carlo; Benetti, Ermanno; and Lunardon, Gianflavio, to Ausimont S.p.A. Thermoplastic polyurethane endowed with improved characteristics of resistance to heat distortion. 4,880,847, 11-14-89, Cl. 521-157.000.

Credix Corporation: *See—*

Suzuki, Shigeaki; and Nozaki, Tatsuya, 4,800,254, Cl. 235-380.000.

Credle, William S., Jr.; and Schroeder, Alfred A., to Coca-Cola Company, The. Beverage dispenser. 4,801,048, 1-31-89, Cl. 222-129.100.

Credle, William S., Jr., to Coca-Cola Company, The. Single-acting gas-operated pump. 4,828,465, 5-9-89, Cl. 417-395.000.

Credle, William S., Jr.; and Kirschner, Jonathan, to Coca-Cola Company, The. Premix dispensing system. 4,836,414, 6-6-89, Cl. 222-1.000.

Credle, William S., Jr.: *See—*

Burke, Robert W., II; Cahen, Albert J., Jr.; Credle, William S., Jr.; Gupta, Ashis S.; and Heenan, Richard H., 4,875,508, Cl. 141-2.000.

Rudick, Arthur G.; Credle, William S., Jr.; Heenan, Richard H.; and Paisley, Gary V., 4,839,107, Cl. 261-82.000.

Rudick, Arthur G.; and Credle, William S., Jr., 4,848,418, Cl. 141-5.000.

Cree, Charles M. N.; Landry, Grady J.; Scully, Keith J.; and Singh, Harinder S., to International Business Machines Corporation. Electronic calendaring method for confirmation of resource availability during event calendaring. 4,807,155, 2-21-89, Cl. 364-518.000.

Cree, Charles M. N.; Landry, Grady J.; Scully, Keith J.; and Singh, Harinder S., to International Business Machines Corporation. Electronic calendaring method which provides for automatic assignment of alternates in requested events. 4,817,018, 3-28-89, Cl. 364-518.000.

Cree, Charles M. N.; Landry, Grady J.; Scully, Keith J.; and Singh, Harinder S., to International Business Machines Corporation. Method for automatically reconciling entries on two copies of independently maintained electronic calendars. 4,866,611, 9-12-89, Cl. 364-300.000.

Cree, Ian C. Safety needle. 4,850,996, 7-25-89, Cl. 604-198.000.

Creech, Charles M., Jr. Meter reading aid. 4,884,871, 12-5-89, Cl. 350-319.000.

Creed, Jill A. Gum treating method and device. 4,863,380, 9-5-89, Cl. 433-89.000.

Creedon, Richard L., to General Atomics. Prestressed tube. 4,840,200, 6-20-89, Cl. 138-172.000.

Creedon, Richard L.: *See—*
- Bhadra, Dilip K.; Creedon, Richard L.; Harder, C. Ross; and Bourque, Robert F., 4,802,560, Cl. 188-264.00F.
- Bhadra, Dilip K.; Creedon, Richard L.; and Harder, C. Ross, 4,840,112, Cl. 91-459.000.

Creekmore, Thomas D. Placement apparatus for lingual and buccal brackets. 4,812,118, 3-14-89, Cl. 433-2.000.

Creemer, Laura J.: *See—*
- Anzeveno, Peter B.; Daniel, John K.; Creemer, Laura J.; and Liu, Paul S., 4,880,917, Cl. 536-17.400.

Creger, Paul L.; Hoefle, Milton L.; and Holmes, Ann, to Warner-Lambert Company. Novel N-(substituted-phenyl)-5-(substituted-2,5-dimethylphenoxy)-2,2-dimethylpentanamides. 4,882,357, 11-21-89, Cl. 514-622.000.

Cregg, James M.; and Sperl, George T., to Phillips Petroleum Company. *Pichia pastoris* argininosuccinate lyase gene and uses thereof. 4,818,700, 4-4-89, Cl. 435-252.330.

Cregg, James M., to Phillips Petroleum Company. Autonomous replication sequences for yeast strains of the genus pichia. 4,837,148, 6-6-89, Cl. 435-172.300.

Cregg, James M., to Phillips Petroleum Company. Site selective genomic modification of yeast of the genus pichia. 4,882,279, 11-21-89, Cl. 435-172.300.

Cregg, James M., to Phillips Petroleum Company. Genes from pichia histidine pathway and uses thereof. 4,885,242, 12-5-89, Cl. 435-68.000.

Cregg, James M.: *See—*
- Stroman, David W.; Cregg, James M.; Harpold, Michael M.; and Sperl, George T., 4,879,231, Cl. 435-172.300.

Crego, John B.: *See—*
- Seymour, Shaun A.; Crego, John B.; and Clevenger, James T., Jr., 4,804,145, Cl. 239-666.000.
- VanGinhoven, Robert M.; Crego, John B.; and Sheehan, Ronald T., 4,809,380, Cl. 15-5.000.
- VanGinhoven, Robert M.; Crego, John B.; and Sheehan, Ronald T., 4,825,495, Cl. 15-5.000.

Creighton, Timothy P.: *See—*
- Fuerschbach, Raymond F.; Creighton, Timothy P.; and Fijas, David F., 4,872,578, Cl. 165-167.000.

Crellin, Inc.: *See—*
- Thomas, Alvin D., 4,872,621, Cl. 242-118.110.

Cremascoli, Patrizio. Hip prothesis structure comprising a femoral component and an acetabular component. 4,813,959, 3-21-89, Cl. 623-22.000.

Cremer, Dirk: *See—*
- Langenbach, Michael; Cremer, Dirk; and Koppen, Reinhard, 4,887,986, Cl. 441-74.000.

Cremer, Gerard: *See—*
- Beeley, Nigel; and Cremer, Gerard, 4,840,967, Cl. 514-466.000.

Cremer, Gottfried; and Bard, Martin, to Buchtal Gesellschaft mit beschrankter Haftung. Large-format ceramic tile with holding elements provided on the side facing away from its visible side. 4,821,478, 4-18-89, Cl. 52-384.000.

Cremer, Gottfried; and Bard, Martin, to Buchtal Gesellschaft mit beschrankter Haftung. Double floor construction. 4,821,484, 4-18-89, Cl. 52-806.000.

Cremer, Gottfried; and Bard, Martin, to Buchtal Gesellschaft mit beschrankter Haftung. Covering for wall, ceiling or floor linings. 4,839,500, 6-13-89, Cl. 219-213.000.

Cremer, Gottfried: *See—*
- Bard, Martin; and Cremer, Gottfried, 4,833,300, Cl. 219-345.000.
- Bard, Martin; and Cremer, Gottfried, 4,868,899, Cl. 219-543.000.

Cremer, Heinz P.: *See—*
- Voss, Hans W.; Cremer, Heinz P.; Cwiertnia, Harald; and Putsch, Peter-Ulrich, 4,842,334, Cl. 297-338.000.

Cremins, John F.; Kim, Young R.; Malin, Michael J.; and Sclafani, Louis D., to Technicon Instruments Corporation. Method for the determination of a differential white blood cell count. 4,801,549, 1-31-89, Cl. 436-63.000.

Cremona, Angelo, to Angelo Cremona & Figlio S.p.A. System for selecting, on the basis of their size, wood veneers. 4,809,574, 3-7-89, Cl. 83-80.000.

Cremona, Lorenzo, to Angelo Cremona & Figlio S.p.A. Opposed belt drier for wood veneers. 4,862,600, 9-5-89, Cl. 34-117.000.

Cremonese, Joseph G. Cell culture flask utilizing a membrane barrier. 4,839,292, 6-13-89, Cl. 435-313.000.

Cremore, George J. J.: *See—*
- Brown, Ian A.; Cremore, George J. J.; and Gibson, Peter J., 4,863,474, Cl. 623-16.000.

Crenshaw, Mary M.: *See—*
- Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.

Creps, Wendell D.: *See—*
- Orrell, William B.; and Creps, Wendell D., 4,886,027, Cl. 123-478.000.

Crescentini, Lamberto: *See—*
- Khonsari, Ali M.; Chen, Jamin; Suciu, George D.; Fisher, William B.; and Crescentini, Lamberto, 4,851,086, Cl. 203-38.000.

Crescenzi, Robert J.: *See—*
- Roberts, Gerald E.; Toliver, Samuel; and Crescenzi, Robert J., 4,833,430, Cl. 333-191.000.

Cress, David R.; and Ellenberger, Eddie D., to Amerock Corporation. Hinge particularly adapted for use with a false cabinet front. 4,843,680, 7-4-89, Cl. 16-289.000.

Cressoni, Ermanno, to Alfa Romeo Auto S.p.A. Console with controls and services for a motor car. 4,818,008, 4-4-89, Cl. 296-37.800.

Cresswell, David L.; and Sims, Eric W., to Imperial Chemical Industries plc. Production of tetrafluoroethylene and hexafluoropropylene. 4,849,554, 7-18-89, Cl. 570-159.000.

Cresswell, Michael W.: *See—*
- Nathanson, Harvey C.; Driver, Michael C.; Cresswell, Michael W.; Freitag, Ronald G.; Alexander, Donald K.; and Yaw, Daniel F., 4,823,136, Cl. 342-368.000.

Cresswell, Thomas A. Disassemblable sulky vehicle. 4,861,058, 8-29-89, Cl. 280-278.000.

Crest-Foam Corporation: *See—*
- Cope, Richard P.; and Fisher, Leo, 4,886,626, Cl. 252-500.000.
- Fisher, Leo, 4,850,579, Cl. 269-21.000.
- Mozieka, Michael; and Fisher, Leo, 4,828,238, Cl. 269-21.000.

Crest Lock Co. Inc.: *See—*
- Sheiman, Samuel R.; and Sheiman, Julius, 4,831,860, Cl. 70-312.000.

Crestek, Inc.: *See—*
- Krsna, Steve, 4,864,547, Cl. 367-137.000.
- Uthe, P. Michael; and Bamburak, Paul S., 4,815,001, Cl. 364-477.000.

Cretin, Jacques; and Saussier, Daniel, to Institut Francais du Petrole. System for the transmission of signals between a reception assembly lowered into a well and a central control and recording laboratory. 4,855,732, 8-8-89, Cl. 340-856.000.

Cretin, Jacques; Therond, Jean-Francois; and Saussier, Daniel, to Institut Francais du Petrole. Device for acquiring seismic data in a borehole and transmission thereof to a central control and recording system. 4,862,425, 8-29-89, Cl. 367-33.000.

Cretser, Richard, to Schuyler Dynamics. Flat article conveyor. 4,823,940, 4-25-89, Cl. 198-817.000.

Creusen, Caspard H. J.; and Colditz, Johannes K. E., to U.S. Philips Corporation. X-ray image intensifier tube with carbon-reinforced plastic foil entrance window. 4,855,587, 8-8-89, Cl. 250-213.0VT.

Creusot-Loire: *See—*
- Piel, Daniel, 4,809,616, Cl. 105-73.000.

Creuzet, Marie-Helene: *See—*
- Pontagnier, Henri; Courtiol, Christian; Creuzet, Marie-Helene; Feniou, Claude; and Prat, Gisele, 4,818,772, Cl. 514-651.000.

Crevling, R. Lent, Jr.: *See—*
- Wacek, Rudolph W.; and Crevling, R. Lent, Jr., 4,800,312, Cl. 310-239.000.

Crevoisier, Rene. Fishing device. 4,794,722, 1-3-89, Cl. 43-42.720.

Crew, Albert W.; Neuner, James A.; Remley, Gilbert W.; Hager, Robert E.; Chambers, George M.; Delava, Eric A.; Wilbur, Susan A.; Kenny, Thomas J.; and Sutherland, James F., to Westinghouse Electric Corp. Distributed microprocessor based sensor signal processing system for a complex process. 4,804,515, 2-14-89, Cl. 376-216.000.

Crew, Randolph E. Rotationally contoured lumbar cushion. 4,796,111, 1-10-89, Cl. 5-431.000.

Crew, Randolph E. Rocker apparatus for use on a wheelchair. 4,832,357, 5-23-89, Cl. 280-304.100.

Crewe, Albert V., to Orchid One. Encapsulated high brightness electron beam source and system. 4,833,362, 5-23-89, Cl. 313-7.000.

Crews, Alvin D., Jr.: *See—*
- Alvarado, Sergio I.; Crews, Alvin D., Jr.; Wepplo, Peter J.; Doehner, Robert F., Jr.; Brady, Thomas E.; Gange, David M.; and Little, Desiree L., 4,883,914, Cl. 564-91.000.

Crews, Beverly J. Reusable therapeutic device. 4,886,063, 12-12-89, Cl. 128-403.000.

Crews, Eric J. Timing system. 4,857,886, 8-15-89, Cl. 340-323.00R.

Crews, Gary A.; and Martinez, David R., to Atlantic Richfield Company. Seismic exploration method and apparatus for cancelling non-uniformly distributed noise. 4,890,264, 12-26-89, Cl. 367-45.000.

Crews, George M.: *See—*
- Allan, G. Graham; Freepons, Donald E.; and Crews, George M., 4,832,728, Cl. 71-29.000.

Crews, Philip; Matthews, Thomas R.; Quinoa, Emilio; and Adamczeski, Madeline, to University of California, The Regents of the; and Syntex (U.S.A.), Inc. Bengamide anthelmintics. 4,831,135, 5-16-89, Cl. 540-526.000.

Crewson, Gary E.; and Pulliam, David J., to Rockwell International Corporation. Brake support assembly. 4,858,729, 8-22-89, Cl. 18 205.00R.

Creyf, Hubert S. G.; and Du Prez, Eddie R., to Recticel. Fire-resistant intermediate layer for covering articles of seating furniture, and articles of seating furniture which are provided with a covering containing such an intermediate layer. 4,824,719, 4-25-89, Cl. 428-285.000.

Cribb, Harry L. Fishing lure tuning mechanism. 4,807,388, 2-28-89, Cl. 43-42.220.

Cribb, William E.: *See—*
- Sharpe, Kenneth R.; Cribb, William E.; McNicol, Melvin; and Couture, Joseph P., 4,829,902, Cl. 102-312.000.

Cribbs, Robert W.: *See—*
- Briar, Herman P.; and Cribbs, Robert W., 4,817,155, Cl. 381-36.000.

Cribier, Alain: *See—*
- Wolff, Rodney G.; Dance, Creg W.; Letac, Brice; and Cribier, Alain, 4,830,003, Cl. 128-343.000.

Crichlow, Charles A.: *See—*
- Martin, Lawrence L.; Worm, Manfred; and Crichlow, Charles A., 4,822,914, Cl. 564-373.000.

Crick, David L.; and Hayes, James K., to Combustion Engineering, Inc. Bar support shim and method. 4,874,041, 10-17-89, Cl. 165-162.000.

Criddle, Michael J.: *See—*
- Sodal, Ingvar E.; Bowman, Ronald R.; Hansell, Jerritt; Clark, Justin S.; and Criddle, Michael J., 4,847,493, Cl. 250-252.100.

Crider, Curtis W. Mailbox delivery indicator. 4,836,441, 6-6-89, Cl. 232-35.000.

Crider, Thillmon F.: *See—*
- Mills, Charles D.; and Crider, Thillmon F., 4,813,501, Cl. 175-335.000.

Criel, Frans B.: *See—*
- Willemsens, Karel S.; Abbeneyen, Willy N. V.; and Criel, Frans B., 4,877,639, Cl. 427-13.000.

Crigger, Edward C., to Textron Inc. Fastener fabrication method. 4,827,756, 5-9-89, Cl. 72-377.000.

Crigger, Edward G., to Textron Inc. Fastener and fabrication method therefor. 4,797,022, 1-10-89, Cl. 403-408.100.

Crighton, James S.; and Malcolme-Lawes, David J., to British Petroleum Company p.l.c., The. Transport detector system. 4,820,044, 4-11-89, Cl. 356-315.000.

Criley, Ronald L. Tailgate step for pickup trucks. 4,846,487, 7-11-89, Cl. 280-166.000.

Crill, Marla S.: *See—*
- Sofia, Samuel C.; Johnson, Kerrie A.; Crill, Marla S.; Roop, Martin J.; Gotberg, Steven R.; Nigrelli, Anthony S.; and Hutchinson, Laurence S., 4,795,531, Cl. 162-164.600.

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- Rogers, Norman H.; O'Hanlon, Peter J.; Walker, Graham; and Crimmin, Michael J., 4,812,470, Cl. 514-365.000.
- Rogers, Norman H.; Walker, Graham; Crimmin, Michael J.; and O'Hanlon, Peter J., 4,861,788, Cl. 514-364.000.

Crimmins, David M.: *See—*
- Carr, Thomas N.; and Crimmins, David M., 4,804,018, Cl. 138-93.000.

Crine, David R. Recycling container unit. 4,834,253, 5-30-89, Cl. 220-1.00T.

Criner, Cecil L.: *See—*
- Muralidhara, Harapanahalli S.; and Criner, Cecil L., 4,802,964, Cl. 204-180.100.

Cringle, Stephen J., to Lions Eye Inst. of Western Australia. Electroretinogram apparatus. 4,874,237, 10-17-89, Cl. 351-221.000.

Crinon, Regis J.; and Jenq, Yih-Chyun, to Tektronix, Inc. Method and apparatus for carrying out a dithering operation. 4,800,443, 1-24-89, Cl. 338-280.000.

Crinos Industria Farmacobiologica S.p.A.: *See—*
- Gazzani, Giovanni, 4,808,415, Cl. 424-488.000.
- Gazzani, Giovanni, 4,885,169, Cl. 424-104.000.
- Gazzani, Giovanni, 4,889,843, Cl. 514-54.000.

Crinquette, Jean-Marie; and Long, Jacques, to Societe anonyme dite: Alcatel Cit. Method and apparatus for starting series-coupled vacuum pumps. 4,887,941, 12-19-89, Cl. 417-2.000.

Cripe, Alan R.; and Cripe, Christopher A. Vehicle coupler for connecting two or more convertible rail-highway vehicles end-to-end. 4,813,555, 3-21-89, Cl. 213-76.000.

Cripe, Alan R.; and Cripe, Christopher A. Container carrying convertible rail-highway vehicle. 4,817,537, 4-4-89, Cl. 105-404.000.

Cripe, Alan R.: *See—*
- Cripe, Christopher A.; and Cripe, Alan R., 4,817,536, Cl. 105-182.100.

Cripe, Christopher A.; and Cripe, Alan R. Rail bogie for convertible rail-highway vehicle. 4,817,536, 4-4-89, Cl. 105-182.100.

Cripe, Christopher A.: *See—*
- Cripe, Alan R.; and Cripe, Christopher A., 4,813,555, Cl. 213-76.000.
- Cripe, Alan R.; and Cripe, Christopher A., 4,817,537, Cl. 105-404.000.

Cripe, Gene F.; Luebbe, Robert W.; and Snyder, Andrew W., to Thomas Conveyor Company. Vacuum discharge bin for bulk materials. 4,838,443, 6-13-89, Cl. 220-1.00B.

Cripe, Jerry D. Simulated desert varnish products and methods of making same. 4,812,340, 3-14-89, Cl. 428-15.000.

Crippen, Warren S., to Digital Equipment Corporation. On-line filtration of potassium permanganate. 4,885,036, 12-5-89, Cl. 134-13.000.

Crippin, Albert B. Power chainsaw-ice auger conversion apparatus. 4,872,518, 10-10-89, Cl. 175-18.000.

Cripps, Harry: *See—*
- Varga, Andre; Cripps, Harry; and McHugh, Paul, 4,803,835, Cl. 57-350.000.

Crisafulli, Emilio: *See—*
- Comment, Alain; James, Yannick C.; Etienne, Jeanine; and Crisafulli, Emilio, 4,846,184, Cl. 128-633.000.

Crisafulli, Rosemarie M.: *See—*
- Gaffar, Abdul; Polefka, Thomas G.; Ferlauto, Robert J., Jr.; and Crisafulli, Rosemarie M., 4,806,340, Cl. 424-52.000.

Crisci, Harry E., to Northern Engineering & Plastics Corp. Closure for containers with convenient tear off skirt. 4,801,032, 1-31-89, Cl. 215-256.000.

Crisci, Harry E., to C.C.D.J., Inc. Tamper evident closure with handle. 4,834,252, 5-30-89, Cl. 215-256.000.

Crisci, Harry E., to Northern Engineering and Plastics Corp. Water bottle cap. 4,884,707, 12-5-89, Cl. 215-256.000.

Criscione, John M.: *See—*
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Crisenza, Giuseppe: *See—*
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Crishlow, Charles A.: *See—*
- Martin, Lawrence L.; Worm, Manfred; and Crishlow, Charles A., 4,855,502, Cl. 564-373.000.

Crisler, Kenneth J.: *See—*
- van den Heuvel, Anthony P.; Kotzin, Michael D.; and Crisler, Kenneth J., 4,860,312, Cl. 375-26.000.

Crisman, Elton M., Jr.: *See—*
- Adams, Mark J.; Crisman, Elton M., Jr.; and Khan, Asrar A., 4,795,906, Cl. 250-341.000.
- Adams, Mark J.; and Crisman, Elton M., Jr., 4,854,724, Cl. 374-5.000.

Crisp, David. Portable back support. 4,864,668, 9-12-89, Cl. 5-432.000.

Crisp, Harold A.; Clayton, John C.; Elliott, Leonard G.; and Wilson, Edward M., to Glaxo Group Limited. Preparation of a highly pure, substantially amorphous form of cefuroxime axetil. 4,820,833, 4-11-89, Cl. 540-220.000.

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- Smith, Michael J.; Sully, George R. W.; and Crisp, Martin, 4,854,027, Cl. 29-434.000.

Crisp, Richard D.; Hoekstra, George P.; and Watkins, George G., to Motorola, Inc. Testing arrangement for a DRAM with redundancy. 4,866,676, 9-12-89, Cl. 365-200.000.

Crisp, William E.; Kudlicki, Richard C.; and Smith, Judson L., to Scientific Growth, Inc. Hand and forearm cleansing apparatus. 4,817,651, 4-4-89, Cl. 134-102.000.

Crisp, William T., Sr., to Barrier Concepts, Inc. Vehicle security barrier. 4,828,424, 5-9-89, Cl. 404-6.000.

Crispin, Carl W.: *See—*
- Beard, Richard C.; and Crispin, Carl W., 4,812,281, Cl. 264-502.000.

Crispoldi, Antonio; Moriconi, Andrea; and Chiappafreddo, Mario, to Enichem Agricoltura S.p.A.; CCM S.r.l.; and Tecnocentro S.r.l. Process for producing calcium-urea nitrate. 4,874,595, 10-17-89, Cl. 423-397.000.

Crist, Larry L. Underlift attachment for tow trucks. 4,875,269, 10-24-89, Cl. 29-401.100.

Criste, Donald E. Reusable bottle cap. 4,846,360, 7-11-89, Cl. 215-226.000.

Cristea, Eugen D., to T.T.C. Termo Technica Ceramica S.p.A. Mixed air and gas nozzle for gas burners, in particular burners of low thermal output for firing kilns. 4,883,422, 11-28-89, Cl. 431-182.000.

Cristescu, Alex G.: *See—*
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- Beaulieu, Laurence A. J.; and Cristescu, Alex G., 4,861,283, Cl. 439-540.000.

Cristiani, Marcello; and Martoccia, Nicola, to Weber S.r.l. Fuel atomisation and metering valve for a fuel injection device of an internal combustion engine. 4,834,295, 5-30-89, Cl. 239-585.000.

Cristoni, Aldo: *See—*
- Foresta, Piero; Ghirardi, Orlando; Gabetta, Bruno; and Cristoni, Aldo, 4,879,376, Cl. 536-18.100.

Cristos, Juan: *See—*
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Criswell, David R. Multiconfiguration reusable space transportation system. 4,834,324, 5-30-89, Cl. 244-160.000.

Criswell, David R. Aerospace vehicle having multiple propulsion systems on a relatively rotatable flying wing. 4,836,470, 6-6-89, Cl. 244-2.000.

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- Galloway, Terry R.; Green, Thomas J.; and Criswell, Dennis M., 4,863,702, Cl. 422-189.000.

Criswell, Gerald W.; and Criswell, Gerald W., II. Pipe preparation device for soldering or brazing. 4,862,549, 9-5-89, Cl. 15-104.040.

Criswell, Gerald W., II: *See—*
- Criswell, Gerald W.; and Criswell, Gerald W., II, 4,862,549, Cl. 15-104.040.

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- Baker, Otis M.; Critchfield, Frank E.; and Westfall, Paul M., 4,814,359, Cl. 521-129.000.
- Myerly, Richard C.; Jorgenson, Michael W.; and Critchfield, Frank E., 4,797,501, Cl. 556-445.000.
- Westfall, Paul M.; Critchfield, Frank E.; and Gill, William A., 4,883,825, Cl. 521-112.000.

Critchlow, Dale L.; DeBrosse, John K.; Mohler, Rick L.; Noble, Wendell P., Jr.; and Parries, Paul C., to International Business Machines Corporation. Method for providing silicide bridge contact between silicon regions separated by a thin dielectric. 4,873,205, 10-10-89, Cl. 437-200.000.

Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J. K.; Johnson, Karle J.; Smetana, Bruce A.; and Westling, Gregory L., to International Mobile Machines Corporation. Subscriber unit for wireless digital telephone system. 4,825,448, 4-25-89, Cl. 375-8.000.

Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J.; Johnson, Karle J.; Smetana, Bruce A.; Westling, Gregory L.; Paneth, Eric; and Yehushua, Moshe, to International Mobile Machines Corporation.

AM equalizer circuit for digital systems. 4,881,240, 11-14-89, Cl. 375-15.000.

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    Kahn, Alan R.; and Chandler, Jennifer K., 4,860,759, Cl. 128-668.000.

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    Edelman, Howard; and Ritson, Carl, 4,878,646, Cl. 251-9.000.
    Hersh, Lawrence T.; Medero, Richard; and Hood, Rush W., Jr., 4,807,631, Cl. 128-633.000.
    Hood, Rush W., Jr., 4,848,901, Cl. 356-41.000.
    Kvalo, Michael L., 4,863,432, Cl. 604-177.000.
    Kvalo, Michael M., 4,828,549, Cl. 604-164.000.
    Madsen, Kay; and Ludding, Frans, 4,850,805, Cl. 417-18.000.
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    Tan, J. Kie S.; Baker, Jeffrey A.; and Jones, Daniel A., 4,825,879, Cl. 128-633.000.
    Tan, Josef K. S.; Baker, Jeffrey A.; Beczkiewicz, Pawel J.; and George, John J., 4,825,872, Cl. 128-633.000.
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Crittenden, Bradley J., to MacMillan Bloedel Limited. Bulk bin bag cassette. 4,863,021, 9-5-89, Cl. 206-328.000.

Critton, Thomas J.; Johnson, Donald S.; Pukalo, Walter P.; and Yorio, Ralph, to Vibratech, Inc. Torsional vibration damper having a roll spun housing and other improvements. 4,872,369, 10-10-89, Cl. 74-574.000.

Crivelli, Raymond J.; and Snellman, Roger, to Dresser Industries, Inc. Castable buttress for rotary kiln heat exchanger and method of fabricating. 4,846,677, 7-11-89, Cl. 432-118.000.

Crivello, James V.; and Lee, Julia L., to General Electric Company. Polymeric iodonium salts, method for making, and heat curable compositions. 4,840,977, 6-20-89, Cl. 522-25.000.

Crivello, James V.; and Conlon, David A., to General Electric Company. Method for making cationically polymerizable aromatic polypropenyl ethers. 4,864,054, 9-5-89, Cl. 560-64.000.

Crivello, James V.; and Lee, Julia L., to General Electric Company. Non-toxic aryl onium salts, UV curable coating compositions and food packaging use. 4,882,201, 11-21-89, Cl. 427-54.100.

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Croat, John J., to General Motors Corporation. High energy product rare earth-iron magnet alloys. 4,802,931, 2-7-89, Cl. 148-302.000.

Croat, John J., to General Motors Corporation. High energy product rare earth-iron magnet alloys. 4,851,058, 7-25-89, Cl. 148-302.000.

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Croce, Pasquale W., Jr. Method and apparatus for quantitative evaluation of back health. 4,858,126, 8-15-89, Cl. 364-413.020.

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Crocker, Mary E.: *See—*
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Crocker, Weyman S., to Burt Equipment Co., Inc. Spill-containment device. 4,809,866, 3-7-89, Cl. 220-86.00R.

Crockett, Dennis D.; and Munz, Robert P., to Lincoln Electric Company, The. Consumable welding electrode and method of using same. 4,833,296, 5-23-89, Cl. 219-145.220.

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Crockett, Gary B.; Torres-Ball, Jocelyn J.; and Olender, Arthur J., to Teknekron Infoswitch Corporation. Method for predictive dialing. 4,829,563, 5-9-89, Cl. 379-309.000.

Crockett, James C. Laminated gear shaving tools. 4,848,976, 7-18-89, Cl. 407-27.000.

Crockett, John M.; and Mort, Deborah K., to Westinghouse Electric Corp. Method and apparatus for identifying a faulted phase. 4,795,983, 1-3-89, Cl. 324-521.000.

Crockett, Robert N.; Kern, Robert F.; Miller, Arnold G.; Norris, Richard E.; Pousson, Michael W., Jr.; and Wagner, Robert E., to International Business Machines Corporation. Controlling asynchronously operating peripherals. 4,837,680, 6-6-89, Cl. 364-200.000.

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Crocoli, Pietro. Tables bolted to a wall. 4,803,930, 2-14-89, Cl. 108-48.000.

Crocoli, Pietro. Sanitary fittings and to collecting tanks, valves and WCS, particularly suitable for use in campers, caravans and domestic dwellings. 4,868,936, 9-26-89, Cl. 4-663.000.

Croes, Rosimbo E.; Gentry, Alice V.; Gentry, Milton L., Jr.; and Kendrick, Melvin R., to International Business Machines Corporation. Method for selectively returning to the beginning or the previous revision point in document edition. 4,827,447, 5-2-89, Cl. 364-900.000.

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Crofts, David; and Wright, Martin A., to Raychem Limited. Circuit protection arrangement. 4,799,125, 1-17-89, Cl. 361-91.000.

Crofts, David; and Wright, Martin A., to Raychem Limited. Circuit protection arrangement. 4,807,081, 2-21-89, Cl. 361-56.000.

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Crohn, David C., to ETA Systems, Inc. Interrupt system. 4,805,0 2-14-89, Cl. 364-200.000.

Croley, Henry C.; and Antesberger, A. Wayne, to United States of America, Army. Infrared aircraft landing system. 4,862,164, 8-29-8 Cl. 340-952.000.

Croll, John, to Digital Equipment Corporation. Boot system for distributed digital data processing system. 4,885,770, 12-5-89, Cl. 379-269.000.

Croll, Theodore P. Enamel-bonding etchant and procedure. 4,802,95 2-7-89, Cl. 156-629.000.

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Crompton, Geoffrey. Fire retardant additives and their uses. 4,879,0 11-7-89, Cl. 252-606.000.

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    Feeman, James F., 4,851,158, Cl. 562-16.000.
    Feeman, James F., 4,851,516, Cl. 534-641.000.
    Feeman, James F., 4,853,466, Cl. 534-617.000.
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    Kirjanov, Alexander S.; and Bannigan, Vincent W., Jr., 4,813,9 Cl. 8-442.000.
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    Kirjanov, Alexander S.; and Herlant, Michel A., 4,877,538, C 252-8.700.
    Rowe, Jay E., 4,840,643, Cl. 8-641.000.

Cromrich, John; and Cromrich, Lynn B., to Bloom, Leonard, a par interest. Insulated face brick. 4,831,802, 5-23-89, Cl. 52-311.000.

Cromrich, Lynn B.: *See—*
    Cromrich, John; and Cromrich, Lynn B., 4,831,802, Cl. 52-311.00

Cron, George M.: *See—*
    Lawrence, Frederick; and Cron, George M., 4,843,434, C 355-72.000.

Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, to Swiss Aluminium Ltd. Process for manufacturing a substrate for a lithographic printing plate. 4,800,950, 1-31-89, Cl. 164-467.000.

Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, to Swiss Aluminium Ltd. Substrate for a lithographic printing plate. 4,802,9 2-7-89, Cl. 148-437.000.

Cronan, Michael P.: *See—*
    Bokelund, Carl G.; Cronan, Michael P.; and Winters, Clyde J., 4,813,196, Cl. 52-775.000.

Cronauer, Thomas D.; and Plunkett, Galen P., to International Business Machines Corporation. Multi-channel shared resource processor. 4,837,688, 6-6-89, Cl. 364-200.000.

Crone, William E.: *See—*
    Knodle, Daniel W.; and Crone, William E., 4,859,859, Cl. 250-504.00R.

Cronenwett, Duane; and Gottfried, Robert W. Apparatus and method for injection tree with antibiotics, nutriments or the like. 4,833,824, 5-30-89, Cl. 47-57.500.

Crones & Co., GmbH: *See—*
    Hilgarth, Gunter, 4,860,961, Cl. 241-92.000.

Cronin, David V.; Guerra, John M.; Sullivan, Paul F.; Mokry, Patricia A.; Clark, Peter P.; and Cocco, Vincent L., to Polaroid Corporation. Data storage apparatus using optical servo tracks. 4,843,494, 6-27-89, Cl. 360-77.030.

Cronin, Dennis C., to Beloit Corporation. Twin wire former with roll press followed by extended nip press. 4,879,001, 11-7-89, Cl. 162-206.000.

Cronk, Christine E.: *See—*
    Widdoes, Harold D.; Katz, Solomon H.; and Cronk, Christine E., 4,883,066, Cl. 128-774.000.

Cronk, Scott; and Thomas, Michelle. Suction canister assembly for the collection of body fluids and tissue specimens. 4,870,975, 10-3-89, Cl. 128-749.000.

Crooimans, Anna Elizabeth: *See—*
    Crooimans, Peter, 4,850,143, Cl. 49-383.000.

Crooimans, Peter, to Crooimans, Anna Elizabeth, a part interest. Interpanel hermetic seal. 4,850,143, 7-25-89 Cl. 49-383.000.

Crook, David T.: *See—*
    Firooz, Kamran; Harwood, Vance R.; Illick, Robert C., Jr.; and Crook, David T., 4,799,023, Cl. 328-110.000.
    Peiffer, Ronald J.; and Crook, David T., 4,801,878, Cl. 324-158.00T.

Crook, Edward J., to Crosby Group, Inc. Wedge socket. 4,845,814, 7-11-89, Cl. 24-136.00R.

Crook, Geraldine: *See—*
    Crook, Tina; and Crook, Geraldine, 4,811,454, Cl. 16-82.000.

Crook, Kenneth L.: *See—*
    Wells, Gary G.; and Crook, Kenneth L., 4,832,852, Cl. 210-671.000.

Crook, Robert L.: *See—*
    Boyer, Donald R.; and Crook, Robert L., 4,795,480, Cl. 51-296.000.

Crook, Tina; and Crook, Geraldine. Door holder. 4,811,454, 3-14-89, Cl. 16-82.000.

Crooks, Evon L.: *See—*
    Roberts, Donald L.; Morrison, Carl C.; Brooks, Johnny L.; Crooks, Evon L.; and Ingebrethsen, Bradley J., 4,819,665, Cl. 131-195.000.

Crooks, James W., Jr.: *See—*
    Szlam, Aleksander; Crooks, James W., Jr.; and Marks, Curtis G., 4,797,911, Cl. 379-67.000.

Crooks, Lawrence E.; and Carlson, Joseph W., to University of California, The Regents of the. Magnetic gradient coil set for nuclear magnetic resonace system having substantially different coil-patient spacings. 4,820,988, 4-11-89, Cl. 324-318.000.

Crooks, Lawrence E.: *See—*
    Yao, Ching; Hale, James D.; Crooks, Lawrence E.; and Kaufman, Leon, 4,885,542, Cl. 324-313.000.

Crooks, Walter: *See—*
    Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., 4,810,119, Cl. 400-241.100.

Crookshanks, Rex J., to Hughes Aircraft Company. Time base converter employing two reference position phase lock loop. 4,796,253, 1-3-89, Cl. 370-50.000.

Crookshanks, Rex J., to Hughes Aircraft Company. Image processing system and method using modulated detector outputs. 4,809,194, 2-28-89, Cl. 364-518.000.

Crookston, Anthony J., to Old Reliable Wholesale, Inc. Insulated roof board. 4,804,578, 2-14-89, Cl. 428-304.400.

Crookston, James R. Shingle stripping tool. 4,809,436, 3-7-89, Cl. 30-171.000.

Croom, Warren J., Jr.; and Hagler, Winston M., Jr., to North Carolina State University. Method of maintaining ruminants on high energy low fiber diet. 4,857,534, 8-15-89, Cl. 514-299.000.

Croon, Helmut: *See—*
    Riegel, Ulrich; Engelhardt, Fritz; Reh, Kuno; Croon, Helmut; Becker, Hermann; and Lotz, Werner, 4,828,570, Cl. 8-94.19R.

Croonenbrock, Raimund: *See—*
    Markus, Eugen; Steven, Hubert; and Croonenbrock, Raimund, 4,850,700, Cl. 366-132.000.

Cropp, Michael E.; De Prado, Phillip; and Desai, Kamalesh S., to International Business Machines Corporation. Screen printing method for producing lines of uniform width and height. 4,808,435, 2-28-89, Cl. 427-97.000.

Cros, Patrick; and Pipon, Robert to Rhone-Poulenc Specialites Chimiques. Acid/heat modified polysaccharide biopolymers. 4,873,323, 10-10-89, Cl. 536-114.000.

Crosby, Eddie G. Quick cinch. 4,821,380, 4-18-89, Cl. 54-23.000.

Crosby Group, Inc.: *See—*
    Crook, Edward J., 4,845,814, Cl. 24-136.00R.

Crosby, Jane M.; Hutchins, MaryGail K.; and Ward, Susan K., to ICI Americas Inc. Void control in thermoplastics containing silicone interpenetrating polymer networks. 4,849,469, 7-18-89, Cl. 524-439.000.

Crosby, John J.; and Napiorkowski, John J., to GTE Products Corporation. Signal circuit protector device for consumer use. 4,876,713, 10-24-89, Cl. 379-412.000.

Crosby, Lawton H., to Morley Furniture Spring Corporation. Spring assembly for upholstered furniture. 4,815,717, 3-28-89, Cl. 267-110.000.

Crosby, Lawton H., to Morley Furniture Spring Corporation. Furniture wedge seat assembly. 4,846,450, 7-11-89, Cl. 267-112.000.

Crosby, Nobel W., to Tridem Manufactured Products Inc. Tap connector. 4,857,020, 8-15-89, Cl. 439-783.000.

Crosby, Philip M., to W. L. Gore & Associates, Inc. Test method for determination of moisture vapor transmission rate. 4,862,730, 9-5-89, Cl. 73-38.000.

Crosby, Philip S.: *See—*
    Jenq, Yih-Chyun; and Crosby, Philip S., 4,858,142, Cl. 364-487.000.

Crosby, Robert A., to Amoco Corporation. Housing for the output coupler of a laser. 4,890,296, 12-26-89, Cl. 372-107.000.

Crosby, Samuel C.: *See—*
    Saunders, William J.; and Crosby, Samuel C., 4,854,655, Cl. 312-257.100.

Crosby Valve & Gage: *See—*
    Eminger, Harry E., 4,844,410, Cl. 251-159.000.

Crosby, William: *See—*
    Duck, Peter; Bender, Robert; Crosby, William; and Robertson, John G., 4,876,187, Cl. 435-6.000.

Croser, Brian J., to Wine Technologies (S.A.) Ltd. Wine cask. 4,813,565, 3-21-89, Cl. 217-88.000.

Crosetto, John: *See—*
    Rocci, Joseph A.; Crosetto, John; Earle, Kent L.; and Kirby, David W., 4,797,604, Cl. 324-65.00R.

Crosetto, John J.; Earle, Kent L.; and Jordan, Anthony D., to Midwest Dynamometer & Engineering Co. Driven rotary shaft system using permanent magnets. 4,795,936, 1-3-89, Cl. 310-156.000.

Crosfield Electronics Limited: *See—*
    Gough, Martin, 4,857,745, Cl. 250-548.000.
    Kirk, Richard A., 4,803,548, Cl. 358-36.000.
    Mayne, Clive L.; Wilson, Robert C.; and MacDonald, Lindsay W., 4,829,370, Cl. 358-78.000.
    Stansfield, Peter W.; and Reed, Alastair, 4,879,594, Cl. 358-80.000
    Yeomans, Andrew J. V., 4,800,379, Cl. 340-731.000.
    Yeomans, Andrew J. V., 4,866,514, Cl. 358-80.000.

Crosfield Electronics (USA) Limited: *See—*
    Stansfield, Peter W., 4,843,379, Cl. 340-701.000.

Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., to Schlage Lock Company. Cryptographic based electronic lock system and method of operation. 4,837,822, 6-6-89, Cl. 380-23.000.

Crosman, Jay C.: *See—*
    Soriente, Alfonse J.; Crosman, Jay C.; Frisch, Sam; and Salem, Eli, 4,863,498, Cl. 55-198.000.

Crosnier, Jean-Jacques; de Mendez, Michel; and Maurin, Joel, to Sourtau & Cie. Method and apparatus for positioning and fixing an optic fibre termination in a connector, a connection terminal and an optic connector. 4,815,811, 3-28-89, Cl. 350-96.200.

Cross American Corporation: *See—*
    Valentine, Edward R., 4,800,612, Cl. 15-314.000.

Cross, Charley B.; and Moy, Diana Y., to Wang Laboratories, Inc. Multitask subscription data retrieval system. 4,815,030, 3-21-89, Cl. 364-900.000

Cross Company, The: *See—*
    Compton, Ronald E.; Brown, Bruce A.; Akhurst, Donald S.; Myers, Douglas R.; Smith, Robert W.; and DeBruyne, Robert W., 4,867,020, Cl. 82-1.110.
    DeBruyne, Robert W., 4,852,437, Cl. 82-165.000.

Cross, Dan A., to Boeing Company, The. Method for making a wire harness. 4,803,778, 2-14-89, Cl. 29-857.000

Cross, David E.; and Gent, John A. G., to Smiths Industries Public Limited Company. Medico-surgical and sanitary articles and materials. 4,868,024, 9-19-89, Cl. 428-35.200.

Cross, Debra A.: *See—*
    Klesius, Phillip H.; and Cross, Debra A., 4,878,895, Cl. 604-49.000.

Cross, Dee L., to Clemson University. Method for treating hays, grains & silages. 4,889,732, 12-26-89, Cl. 426-319.000.

Cross, Donald R., to Iwata Electric Co., Ltd. Hall effect motion detector responsive to dual frequency stimuli. 4,864,288, 9-5-89, Cl. 340-669.000.

Cross Equipment Company, Inc.: *See—*
    Cross, Hewis W.; and Paulk, Roger T., 4,805,088, Cl. 364-172.000.
    Cross, Hewis W.; and Lewis, James C., 4,807,544, Cl. 111-7.000.

Cross, Geoffrey; and Hargreaves, Brian, to Pilkington Brothers plc. Current probe. 4,825,154, 4-25-89, Cl. 324-127.000.

Cross, Harry R.: *See—*
    Arceneaux, Henry M.; and Cross, Harry R., 4,867,376, Cl. 236-49.200.

Cross, Hewis W.; and Paulk, Roger T., to Cross Equipment Company, Inc. Method and apparatus for microprocessor controlled sprayer. 4,805,088, 2-14-89, Cl. 364-172.000.

Cross, Hewis W.; and Lewis, James C., to Cross Equipment Company, Inc. Apparatus and method for subsurface injection of agrochemicals. 4,807,544, 2-28-89, Cl. 111-7.000.

Cross, Jack A.; and Jackson, Cletis M., to Technical Manufacturing Systems, Inc. Method of forming electro-discharge machining electrode. 4,819,325, 4-11-89, Cl. 29-825.000.

Cross, Jimmy D.; and Smith, Landon, to BASF Aktiengesellschaft. Process for preparing a web with an abrasion resistant resilient backing. 4,865,688, 9-12-89, Cl. 156-78.000.

Cross, Malcolm G.: *See—*
- Neaves, Bryan D.; Hill, Frederick W. L.; and Cross, Malcolm G., 4,879,148, Cl. 428-40.000.

Cross, Michael G., to J. Cinnamon Limited. Occupant-arising assist chair. 4,838,612, 6-13-89, Cl. 297-338.000.

Cross, Michael R.: *See—*
- Kiefer, Walter J.; and Cross, Michael R., 4,808,976, Cl. 340-665.000.

Cross, Patricia, to Avery International Corporation. Label stock with dry separation interface. 4,863,772, 9-5-89, Cl. 428-40.000.

Cross, Paul C.: *See—*
- Hansen, Craig N.; and Cross, Paul C., 4,813,392, Cl. 123-190.00E.

Cross, Peter: *See—*
- Scifres, Donald R.; Kung, Hsing; Cross, Peter; Burnham, Robert D.; and Streifer, William, 4,803,691, Cl. 372-150.000.
- Welch, David; Scifres, Donald R.; Cross, Peter; and Streifer, William, 4,809,288, Cl. 372-46.000.

Cross, Peter E.; and Dickinson, Roger P., to Pfizer, Inc. Piperazinyl-substituted pyridine and imidazole anti-arrhythmic agents. 4,806,536, 2-21-89, Cl. 514-252.000.

Cross, Peter E.; and Dickinson, Roger P., to Pfizer Inc. Antiarrhythmic 4-phenylpiperidines. 4,835,165, 5-30-89, Cl. 514-318.000.

Cross, Peter E.: *See—*
- Arrowsmith, John E.; and Cross, Peter E., 4,822,793, Cl. 514-213.000.
- Arrowsmith, John E.; and Cross, Peter E., 4,829,071, Cl. 514-311.000.
- Arrowsmith, John E.; Cross, Peter E.; and Thomas, Geoffrey N., 4,863,948, Cl. 514-416.000.
- Cooper, Kelvin; Cross, Peter E.; Fray, Michael J.; and Richardson, Kenneth, 4,853,392, Cl. 514-311.000.
- Kemp, John E. G.; and Cross, Peter E., 4,797,401, Cl. 514-255.000.

Cross, Sue S.: *See—*
- Gunasekera, Sarah P.; Cross, Sue S.; Kashman, Yoel; Lui, May S.; Rinehart, Kenneth L.; and Tsujii, Shinji, 4,866,084, Cl. 514-397.000.
- Higa, Tatsuo; Sakemi, Shinichi; and Cross, Sue S., 4,801,606, Cl. 514-452.000.
- Higa, Tatsuo; Sakemi, Shinichi; and Cross, Sue S., 4,808,590, Cl. 514-272.000.
- Komoto, Shigeo; McConnell, Oliver J.; and Cross, Sue S., 4,801,607, Cl. 514-468.000.

Cross, Wiley E., Jr., to Cardwell Machine Company, The. Vibratory and gas levitation particle treatment system. 4,843,732, 7-4-89, Cl. 34-57.00A.

Cross, William D., to Hughes Aircraft Company. Very high density interconnections. 4,861,275, 8-29-89, Cl. 439-289.000.

Crossan, Jimmey; Maynard, Buford; and Tew, Dennis, to Florida Rock Industries, Inc. Brake and clutch hub. 4,889,214, 12-26-89, Cl. 192-17.00R.

Crosser, Hayward B. Chill cylinder for beverage containers. 4,823,974, 4-25-89, Cl. 220-85.00H.

Crossland, William A.; Davey, Anthony B.; and Bone, Matthew F., to STC PLC. Ferroelectric liquid crystal cells having a helical liquid crystal structure. 4,799,775, 1-24-89, Cl. 350-350.00S.

Crossley, Alan M., to Thames Water Authority. Automatic sampling machine. 4,831,887, 5-23-89, Cl. 73-864.340.

Crossley, Ian A.: *See—*
- Koster, Peter B.; and Crossley, Ian A., 4,830,743, Cl. 210-96.100.

Crossley, John W. Method for making taxidermic eyes. 4,822,397, 4-18-89, Cl. 65-107.000.

Crossley, Peter W.; Fellerman, Bernard F.; and Goodchild, Graham H., to Thorn EMI Patents Limited. Heating assembly using tungsten-halogen lamps. 4,864,104, 9-5-89, Cl. 219-464.000.

Crossley, Peter W.; Fellerman, Bernard F.; and Goodchild, Graham H., to Thorn EMI Patents Limited. Heating assembly using tungsten-halogen lamps. 4,868,371, 9-19-89, Cl. 219-464.000.

Crossley, Roger; and Heatherington, Kenneth. Quinoline derivatives. 4,837,329, 6-6-89, Cl. 546-181.000.

Crossley, Roger, to John Wyeth & Brother Limited. 2,3-dihydrothiazolo- and thiazino- benzimidazoles as atni-hyper secretion agents. 4,873,237, 10-10-89, Cl. 514-222.800.

Crossley, Roger, to John Wyeth & Brother Limited. 3-(2,5-disubstituted phenylazo)-4-substituted phenylalkan-1-oic acids and esters thereof and method of treating inflammatory disorders therewith. 4,889,846, 12-26-89, Cl. 514-150.000.

Crossman, David D.; Mumford, Ernest J.; and Marshall, Jeremy, to Owen Mumford Limited. Blood sampling devices. 4,869,249, 9-26-89, Cl. 128-314.000.

Crossman, Douglas P., to Whitehawk Corporation. Box magazine and shell drive system for shotguns. 4,864,758, 9-12-89, Cl. 42-18.000.

Crosswhite, Lola E.: *See—*
- Hill, Francis V.; and Crosswhite, Lola E., 4,874,648, Cl. 428-35.900.

Crostack, Horst-Artur. Method and apparatus for non-destructive material testing, particularly for determination of thickness of coating layers on a base material by measuring electrical conductivity or magnetic permeability at the finished specimen. 4,803,428, 2-7-89, Cl. 324-230.000.

Crosti, Giovanni: *See—*
- Polvara, Maria; Crosti, Giovanni; and Lapo, Sergio, 4,859,825, Cl. 219-119.000.

Croteau, Rene, to Les Produits Duvernay Ltee. Method for applying a fabric material to a frame. 4,856,171, 8-15-89, Cl. 29-417.000.

Croteau, Stephen M. Suspended musical idiophone. 4,807,510, 2-28-89, Cl. 84-402.000.

Crothers, Paul; and Schaffer, Robert. Method and apparatus for superimposing scenes. 4,796,990, 1-10-89, Cl. 352-89.000.

Crotti, Gianpiero: *See—*
- Petrillo, Vincenzo; Crotti, Gianpiero; and Marchello, Giovanni, 4,861,824, Cl. 524-745.000.

Crotts, Lonnie; and Meadows, Thomas W., to Bivens Winchester Corporation. Vehicle treatment apparatus. 4,872,238, 10-10-89, Cl. 15-302.000.

Crotts, Lonnie M., to Bivens Winchester Corporation. Tangle-free carwash brush. 4,815,158, 3-28-89, Cl. 15-53.00A.

Crotts, Lonnie M.; and Rambo, William W., to Bivens Winchester Corporation. Roll over vehicle washing apparatus with high and low pressure spray systems. 4,865,058, 9-12-89, Cl. 134-45.000.

Crouch, Andrew M.: *See—*
- Langford, Cooper H.; Mak, Mark K. S.; and Crouch, Andrew M., 4,806,514, Cl. 502-159.000.

Crouch, Brian E.; and Roach, Maurice P., to Iowa Engineered Processes, Corp. Devurring and cleaning machine and process. 4,829,714, 5-16-89, Cl. 51-17.000.

Crouch, C. Jeremy: *See—*
- Mills, John B.; Peterson, Vicky J.; Young, Roger W.; Crouch, C. Jeremy; Schulz, Roman A.; Snyder, Irving F.; and DeHemmer, Larry J., 4,867,653, Cl. 417-360.000.

Crouch, Jeffrey P.: *See—*
- Autorino, Joseph A.; and Crouch, Jeffrey P., 4,871,168, Cl. 273-26.00B.
- Autorino, Joseph A.; and Crouch, Jeffrey P., 4,871,169, Cl. 273-26.00R.

Crouch, John H., to Paceco Corp. Personnel trolley and elevator platform for a cargo container handling gantry crane. 4,858,775, 8-22-89, Cl. 212-205.000.

Crouch, Joseph C. J.: *See—*
- Scowen, Geoffrey D.; and Crouch, Joseph C. J., 4,832,320, Cl. 267-227.000.

Crouch, Milton R.: *See—*
- Czelusniak, Paul A., Jr.; and Crouch, Milton R., 4,825,630, Cl. 57-22.000.
- Czelusniak, Paul A., Jr.; and Crouch, Milton R., 4,833,872, Cl. 57-22.000.

Crouch, Philip C.; and Finnigan, Patrick J., to Ainsworth Nominees Pty. Limited. Player operable lottery machine having display means displaying combinations of game result indicia. 4,817,951, 4-4-89, Cl. 273-143.00R.

Crouch, William M.: *See—*
- Meeker, Robert L.; and Crouch, William M., 4,815,743, Cl. 273-183.00B.

Croucher, Melvin D.; Wong, Raymond W.; and Drappel, Stephan, to Xerox Corporation. Processes for the preparation of liquid developers with low vapor pressure components. 4,797,342, 1-10-89, Cl. 430-137.000.

Croucher, Melvin D.; Wong, Raymond W.; and Hair, Michael L., to Xerox Corporation. Developer compositions with stabilizers to enable flocculation. 4,816,370, 3-28-89, Cl. 430-115.000.

Croucher, Melvin D.; Duff, James M.; Fuler, John R. C.; Pravat, George R.; and Wong, Raymond W., to Xerox Corporation. Liquid developer compositions. 4,822,710, 4-18-89, Cl. 430-115.000.

Croucher, Melvin D.: *See—*
- Drappel, Stephan; Wong, Raymond W.; and Croucher, Melvin D., 4,880,720, Cl. 430-115.000.
- Watson, P. Keith; Till, Henry R.; and Croucher, Melvin D., 4,804,601, Cl. 430-32.000.
- Watson, P. Keith; Morrison, Ian D.; and Croucher, Melvin D., 4,877,698, Cl. 430-45.000.
- Winnik, Francoise M.; Ober, Christopher K., and Croucher, Melvin D., 4,795,794, Cl. 526-259.000.
- Wong, Raymond W.; Drappel, Stephan; and Croucher, Melvin D., 4,830,945, Cl. 430-114.000.

Croucher, Meredith W., Jr.; Fisher, James M.; Letizia, Richard; Lutz, LeRoy A.; Makowski, Ralph F.; Moyse, Richard L.; Osgood, Richard W.; Rave, John N.; Wickwire, Ward A.; and Zillmer, James F., to Inryco, Inc. Structural joint members for space frame systems. 4,863,303, 9-5-89, Cl. 403-11.000.

Croudace, Michael C.; Wusz, Timothy; and Brass, Stephen, to Union Oil Company of California. Fuel composition and method for control of engine octane requirements. 4,844,717, 7-4-89, Cl. 44-71.000.

Croudace, Michael C.: *See—*
- Holstedt, Richard A.; and Croudace, Michael C., 4,801,729, Cl. 558-289.000.

Crouse, Gary D.: *See—*
- Boisvenue, Rudolph J.; and Crouse, Gary D., 4,870,109, Cl. 514-688.000.

Crouse, Jere W., to Beloit Corporation. Self-loading controlled deflection roll. 4,852,229, 8-1-89, Cl. 29-116.200.

Crouse, Richard S.; Boudreaux, Randall P.; and Cazzolla, John J., Jr., to International Business Machines Corporation. Branch and return to address instruction and methods and apparatus for implementing same in a digital data processing system. 4,831,517, 5-16-89, Cl. 364-200.000.

Crouse, Robert H.; and Ziese, William J., Jr., to Crouse, Robert H. Scented cleaner for guns. 4,806,274, 2-21-89, Cl. 252-548.000.

Crouse, Roger R.: *See—*
- Haber, Terry M.; Maze, Jack E., and Crouse, Roger R., 4,838,87 Cl. 604-187.000.

Crouse, Ronald J.; Lauer, Norris A.; and Pinto, David A., to Pacesetter Infusion, Ltd. Monitor for detecting tube position and air bubbles in tube. 4,884,065, 11-28-89, Cl. 340-632.000.

Crouse, Scott L. Method of and apparatus for automatic damper control. 4,846,400, 7-11-89, Cl. 236-93.00R.

Crouse, T. Blair: *See—*
- Flannery, Gene; Crouse, T. Blair; and Patterson, Wesley L., 4,883,329, Cl. 312-1.000.

Crouse, Walter C.; and McIntyre, Owen M., to Na-Churs Plant Food Company. High nutrient value liquid fertilizer. 4,832,735, 5-23-89, Cl. 71-36.000.

Crouser, Darwin S.; and Weber, Vincent L., to Hoover Company, The. Brush mounting arrangement. 4,888,851, 12-26-89, Cl. 15-371.000.

Crouther, Ronald: *See—*
- Banning, Robert D.; Crouther, Ronald; and Davison, Thomas W., 4,834,709, Cl. 604-170.000.
- Fecht, David C.; Ferguson, Thomas B.; Crouther, Ronald; and Ranford, Alan B., 4,842,589, Cl. 604-280.000.

Crouzet: *See—*
- Lescourret, Jean-Louis, 4,866,260. Cl. 324-78.00R.
- Mandle, Jacques; and Goudon, Jean-Claude, 4,829,441, Cl. 364-434.000.
- Oury, Robert, 4,806,865, Cl. 324-301.000.

Crouzet, Pierre, to BP Chemicals Limited. Treatment of catalyst particles. 4,818,417, 4-4-89, Cl. 210-768.000.

Crow, Chet H. Container with seal and cap. 4,863,047, 9-5-89, Cl. 215-32.000.

Crow, Jack E.: *See—*
- Salomon, Robert E.; Crow, Jack E.; and Kaczanowicz, Edward, 4,866,030, Cl. 505-1.000.

Crow, Mitchell A. Yarn package support for creel. 4,880,184, 11-14-89, Cl. 242-130.000.

Crow, Stanley. Flexible probe and sampling device for corrosion measuring. 4,855,668, 8-8-89, Cl. 324-65.0CR.

Crowden, Horace. Baseball pitching device. 4,872,675, 10-10-89, Cl. 273-26.00E.

Crowder, Eugene W.: *See—*
- Crawford, Steven M.; Crowder, Eugene W.; and Sparks, Timothy H., 4,803,872, Cl. 73-150.00R.

Crowder, Richard M.; and Whatley, David , to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Robotic gripping device having linkage actuated finger sections. 4,834,443, 5-30-89, Cl. 294-106.000.

Crowder, W. Kenneth: *See—*
- Forster, David A.; and Crowder, W. Kenneth, 4,822,357, Cl. 623-3.000.

Crowe, Charles: *See—*
- Gulick, Dale E.; Lawell, Terry G.; and Crowe, Charles, 4,852,088, Cl. 370-94.000.

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Crowe, Dennis E.; and Crowe, Julie L. Double pet walker. 4,879,972, 11-14-89, Cl. 119-109.000.

Crowe, John H.; and Crowe, Lois M., to University of California, The Regents of the. Method for preserving liposomes. 4,857,319, 8-15-89, Cl. 424-94.100.

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- Carpenter, John F.; Hand, Steven C.; Crowe, John H.; and Crowe, Lois M., 4,806,343, Cl. 424-450.000.

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- Crowe, Dennis E.; and Crowe, Julie L., 4,879,972, Cl. 119-109.000.

Crowe, Lawrence E.; and Sutrina, Thomas A., to Sundstrand Corp. Method of manufacturing hermetically sealed compression bonded circuit assemblies. 4,830,979, 5-16-89, Cl. 437-216.000.

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- Carpenter, John F.; Hand, Steven C.; Crowe, John H.; and Crowe, Lois M., 4,806,343, Cl. 424-450.000.
- Crowe, John H.; and Crowe Lois M., 4,857,319, Cl. 424-94.100.

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Crowell, Christopher S., to Structural Graphics, Inc. Spectral image viewing device. 4,799,764, 1-24-89, Cl. 350-162.180.

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- Adelman, Herbert B., 4,823,945, Cl. 206-204.000.
- D'Angelo, Joseph J., 4,864,802, Cl. 53-450.000.

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- Morino, Ronald; Swiggett, Brian E.; Keogh, Raymond J.; and Crowell, Jonathan C., 4,818,322, Cl. 156-272.800.
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Crowell, Richard J.: *See—*
- Weiss, Robert L.; Jentes, Charles; and Crowell, Richard J., 4,798,297, Cl. 211-65.000.

Crowell, Robert L. Stunt kite dihedral wing. 4,815,681, 3-28-89, Cl. 244-153.00R.

Crowhurst, Arthur G. Brushing and washing machine. 4,835,811, 6-6-89, Cl. 15-21.00E.

Crowle, Brian, to Digital Equipment Corporation. Digitally implemented modulators. 4,843,613, 6-27-89, Cl. 375-59.000.

Crowley, Christopher J.; and Stacy, W. Dodd. Magnetic pump for ferrofluids. 4,808,079, 2-28-89, Cl. 417-50.000.

Crowley, H. W.; Wales, R. Langdon; and Wright, Albert L., to Roll Systems, Inc. Web feed apparatus. 4,848,634, 7-18-89, Cl. 226-108.000.

Crowley, H. W.: *See—*
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- Wales, R. Langdon; and Crowley, H. W., 4,828,056, Cl. 177-145.000.
- Wales, R. Langdon; and Crowley, H. W., 4,851,616, Cl. 178-18.000.
- Wales, R. Langdon; and Crowley, H. W., 4,852,604, Cl. 137-392.000.

Crowley, Ivan P., to Femlib Medical Devices (Proprietary) Limited. Urological device. 4,799,928, 1-24-89, Cl. 604-329.000.

Crowley, Kevin J., to Wilson Sporting Goods Co. Athletic shoe with energy storing spring. 4,881,329, 11-21-89, Cl. 36-38.000.

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- Kaminski, Ronald S.; Snyder, Robert P.; and Crowley, Michael J., 4,861,541, Cl. 264-509.000.

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- Noon, Robert A.; Crowley, Patrick J.; and Worthington, Diana M., 4,855,510, Cl. 568-663.000.
- Shephard, Margaret C.; and Crowley, Patrick J., 4,808,628, Cl. 514-513.000.

Crowley, Raymond R.: *See—*
- Freeman, Gerald C.; Feinland, Seymour; and Crowley, Raymond R., 4,809,186, Cl. 364-464.000.

Crowley, Ronald P., to Corporation for Laser Optic Research. Sequential plane projection by laser video projector. 4,851,918, 7-25-89, Cl. 358-231.000.

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- Givens, Joe C.; Stevenson, William L.; Moses, Darcy; Kratochwill, William L.; and Anderson, George E., 4,869,910, Cl. 426-467.000.
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Crowninshield, Roy D.; and Zolman, Arden R., to Zimmer, Inc. Prosthesis with enhanced surface finish. 4,795,472, 1-3-89, Cl. 623-23.000.

Crowther, Gerald O., to U.S. Philips Corporation. Authorising coded signals. 4,864,614, 9-5-89, Cl. 380-10.000.

Crowther, Glenn W.; Hyde, Christopher T.; and Henn, Robert L., to W. L. Gore & Associates, Inc. Two component polyurethane system for casting expanded polytetrafluoroethylene. 4,814,412, 3-21-89, Cl. 528-28.000.

Crowther, Simon N., to Lucas Industries Public Limited Company. Method of manufacturing amorphous silicon field effect transistors. 4,797,108, 1-10-89, Cl. 437-41.000.

Croy, Dennis P. Method and means for providing consistent operation of a solenoid actuator. 4,829,275, 5-9-89, Cl. 335-273.000.

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Cruchon, Jean-Claude; Fontaine, Franck; and Brugidou, Michel, to Societe anonyme dite: Alcatel Thomson Faisceaux Hertziens. Orthogonal-polarization duplex send-receive microwave head. 4,853,657, 8-1-89, Cl. 333-137.000.

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- Chandhok, Vijay K.; and Ma, Bao-Min, 4,881,984, Cl. 148-101.000.
- Dulis, Edward J.; Dorsch, Carl J.; and Stasko, William, 4,839,139, Cl. 419-35.000.
- Dulis, Edward J.; Dorsch, Carl J.; and Stasko, William, 4,880,460, Cl. 75-236.000.

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Crucil, Guy A.; and Blaser, Laura J., to Nalco Chemical Company. Branched alkyl acrylamide types of polymer-zinc corrosion inhibitor. 4,820,423, 4-11-89, Cl. 210-697.000.
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Cruess, Michael; Mothersole, David; Zolnowsky, John; and MacGregor, Douglas B., to Motorola, Inc. Method and apparatus for selectively evaluating an effective address for a coprocessor. 4,821,231, 4-11-89, Cl. 364-900.000.
Cruess, Michael W.; Moyer, William C.; and Zolnowsky, John, to Motorola, Inc. Paged memory management unit which evaluates access permissions when creating translator. 4,890,223, 12-26-89, Cl. 364-200.000.
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Crugnola, Angelo; di Salle, Enrico; and Lombardi, Paolo, to Farmitalia Carlo Erba S.p.A. Cycloalkyl-substituted 4-pyridyl derivatives and use as aromatase inhibitors. 4,797,411, 1-10-89, Cl. 514-357.000.
Crugnola, Angelo; di Salle, Enrico; and Lombardi, Paolo, to Farmitalia Carlo Erba S.p.A. Cycloalkyl-substituted 4-aminophenyl halo derivatives and process for their preparation. 4,847,295, 7-11-89, Cl. 514-538.000.
Cruickshank, John S., to L.B.P. Partnership C.P.I. Corporation, The. Method and apparatus for the inspection of tubular members. 4,800,104, 1-24-89, Cl. 427-230.000.
Cruise, Thomas E. Insulated concrete masonry unit with low density heat bridges. 4,819,396, 4-11-89, Cl. 52-405.000.
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CSELT - Centro Studi E Laboratori Telecomunicazioni SPA: *See—*
Gaidano, Roberto; Gandini, Marco; and Sartori, Mario, 4,808,947, Cl. 330-307.000.
Licciardi, Luigi; and Torielli, Alessandro, 4,873,659, Cl. 364-784.000.
Mazzucco, Michelangelo; Poletto, Vanni; and Siligoni, Marco, 4,835,490, Cl. 330-285.000.
Melindo, Flavio, 4,845,702, Cl. 370-1.000.
Riolfo, Benedetto, 4,849,922, Cl. 364-725.000.
CSENTIND - Centro Studi Industriali - S.r.l.: *See—*
Romagnoli, Andrea, 4,870,808, Cl. 53-529.000.
Csepel Autogyar: *See—*
Simonyi, Sandor; Torocsik, Laszlo; Valoczi, Gyorgy; and Toth, Istvan, 4,823,647, Cl. 74-867.000.
Simonyi, Sandor; Torocsik, Laszlo; Toth, Istvan; and Valoczi, Gyorgy, 4,867,288, Cl. 192-1.230.
Cser, Gyula; Csikos, Antal; and Timar, Peter, to Autoipari Kutato es Fejleszto Vallalat. Reciprocating piston-type internal combustion engine with resonance charging. 4,858,569, 8-22-89, Cl. 123-52.0MB.
Cserhati nee Botka, Ilona: *See—*
Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
Cseri, Zoltan, to Sloan Valve Company. Fast-acting quick release valve. 4,858,638, 8-22-89, Cl. 137-115.000.
Csernus, Istvan: *See—*
Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.
Csikos, Antal: *See—*
Cser, Gyula; Csikos, Antal; and Timar, Peter, 4,858,569, Cl. 123-52.0MB
Csillag, Frank J., to General Electric Company, The. Supported polycrystalline compacts. 4,797,326, 1-10-89, Cl. 428-552.000.
Csillag, Frank J., to General Electric Company. System for improved flaw detection in polycrystalline diamond. 4,810,447, 3-7-89, Cl. 264-125.000.
Csillag, Frank J., to General Electric Company. System For improved flaw detection in polycrystalline diamond. 4,832,708, 5-23-89, Cl. 51-309.000.
Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, to Magyar Aluminiumipari Troszt. Air-jet mill and associated pregrinding apparatus for comminuating solid materials. 4,807,815, 2-28-89, Cl. 241-39.000.
Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, to Magyar Aluminiumipari Troszt. Priming and body paint having an active anti-corrosive and surface cleaning effect. 4,828,617, 5-9-89, Cl. 106-14.340.
Csiszar, Janos: *See—*
Csanyi, Istvan; Csiszar, Janos; Feher, Laszla ; Losonczi, Zoltan; and Szabo, Gyorgy, 4,870,318, Cl. 313-113.000.
Csizer, Eva: *See—*
Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.
CSK Corporation: *See—*
Horie, Kiyoshi, 4,885,736, Cl. 369-275.000.
Izawa, Shigeru; and Hasemi, Takashi, 4,881,214, Cl. 369-44.000.
Suzuki, Hidefumi, 4,815,062, Cl. 369-48.000.
Suzuki, Hidefumi, 4,831,609, Cl. 369-44.000.
Suzuki, Hidefumi, 4,879,691, Cl. 365-215.000.
Takahashi, Shunzo; and Nishioka, Masaaki, 4,817,067, Cl. 369-44.000.
Csomor, Katalin: *See—*
Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.
Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
Csonka, Paul L.; and Tatchyn, Roman O., to State of Oregon, Acting by and through the State Board of Higher Education on Behalf of the University of Oregon, The. Micropole undulator. 4,800,353, 1-24-89, Cl. 335-210.000.
Csuri, John O.; DeSiena, Bernard A.; Johnson, Chris G.; and Kisenwether, David L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Mounting bracket. 4,795,119, 1-3-89, Cl. 248-222.200.
Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona;

Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, to Borsodi Vegyi Kombinat. Seed dressing composition based on a phosphonic acid monoester salt. 4,866,043, 9-12-89, Cl. 514-75.000.

CSX Transportation, Incorporated: *See—*
  McLean, Leonard A., 4,871,047, Cl. 182-90.000.

CTB, Inc.: *See—*
  Brembeck, Howard S.; and Swartzendruber, Ray E., 4,834,026, Cl. 119-53.000.
  Sheets, Keith A., 4,850,307, Cl. 119-51.00R.
  Yoder, Dennis G., 4,867,046, Cl. 98-55.000.

CTE Valeron Corporation: *See—*
  Begin, John D.; Berry, James E.; and Kretzmer, Paul D., 4,839,819, Cl. 364-483.000.

CTI Industries: *See—*
  Davis, John C.; and Milne, James A., 4,802,877, Cl. 446-222.000.
  Milne, James A., 4,837,059, Cl. 428-12.000.

CTS Corporation: *See—*
  Kohle, Michael R.; and Priebe, Durward H., 4,881,320, Cl. 29-841.000.

Cubbison, Richard J., Jr., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Static electric discharge apparatus with active electrical circuit. 4,849,851, 7-18-89, Cl. 361-212.000.

Cubbison, Richard J., Jr., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Static electric discharge apparatus. 4,862,315, 8-29-89, Cl. 361-212.000.

Cube Overseas Trading Ltd: *See—*
  Barrett, Garth J. M., 4,836,079, Cl. 86-50.000.

Cubic Western Data: *See—*
  Aubrey, Kenneth R., 4,798,942, Cl. 235-384.000.
  Baker, Joseph R.; Golland, Wesley A.; Mullens, Paul A.; and Trimble, Roger B., 4,877,179, Cl. 232-7.000.

Cubides, Wilson J., to Art Materials Service, Inc. Easel hinge. 4,878,266, 11-7-89, Cl. 16-225.000.

Cubric, Robert; and Roedseth, John K., to Goodyear Tire & Rubber Company, The. Tire building drum shaft connection. 4,854,612, 8-8-89, Cl. 285-18.000.

Cucchetto, Mario: *See—*
  Cavalli, Luigi; Cucchetto, Mario; Petrini, Guido; and Viola, Augusto, 4,829,042, Cl. 2-316.000.

Cucchiari, Joseph, deceased (by McInerney, William K., executor); Lilje, James J.; and Mita, Makoto, to Aviation Supplies and Academics. Hand-held navigation and flight performance computer. 4,831,538, 5-16-89, Cl. 364-443.000.

Cucchietti, Flavio; and Bruno, Carlo M., to SIP-Societa Italiana per l'Esercizio Delle Telecomunicazioni S.p.A. Instrument for measuring the phase jitter of analog signals. 4,819,080, 4-4-89, Cl. 324-83.00R.

Cuccia, Barry J.: *See—*
  Gammarino, Rudolph R.; Doerning, Mark S.; and Cuccia, Barry J., 4,823,401, Cl. 455-606.000.

Cucheran, John S.: *See—*
  Bott, John A.; and Cucheran, John S., 4,838,467, Cl. 224-326.000.

Cuckler, Robert E.: *See—*
  Scott, Marshall H.; Cuckler, Robert E.; Polstra, John D.; Vannelli, Anthony R.; and Hazelton, W. Douglas, 4,868,822, Cl. 371-16.000.

Cucksey, Edward L.: *See—*
  LaManna, Richard J.; Hinton, James L.; Cucksey, Edward L.; and Kull, Leo, 4,866,545, Cl. 360-53.000.

Cucksey, Fred, to Specialty Hoisting Services, Inc. Removable and stackable hoistway door assesmbly. 4,880,210, 11-14-89, Cl. 256-26.000.

Cuculo, John A.; Theil, Michael H.; Yang, Kap S.; and Chen, Yue S., to North Carolina State University. Anisotropic cellulose articles, fibers, and films and method of producing same. 4,840,673, 6-20-89, Cl. 106-198.000.

Cuda, Joseph. Fiber optic light carrying curing probe. 4,846,546, 7-11-89, Cl. 350-96.240.

Cudaback, Roger L., to Baldwin Filters, Inc. Oil filter with multiple function valve. 4,872,976, 10-10-89, Cl. 210-130.000.

Cudd, Charles A., to Yale Security Inc. Lock deadbolt protector. 4,870,841, 10-3-89, Cl. 70-107.000.

Cuddy Farms, Inc.: *See—*
  Galbraith, Robert H., 4,849,245, Cl. 426-644.000.

Cuddy, Jared G.; and Juntunen, William H., to Abitibi-Price Corporation. Method and apparatus for accent coating of lap panels. 4,871,588, 10-3-89, Cl. 427-264.000.

Cudini, Ivano G., to TI Corporate Services Limited. Method of forming box-like frame members. 4,829,803, 5-16-89, Cl. 72-367.000.

Cudnoch, Ludwik: *See—*
  Foldesi, Istvan; Cudnoch, Ludwik; and Belanger, Marcel P., 4,816,110, Cl. 156-499.000.

Cuellar, Edward A.: *See—*
  Davis, James C.; McGuiggan, Michael F.; Cuellar, Edward A.; and Haas, Frederick W., 4,857,159, Cl. 204-149.000.

Cuellar, Raul D.: *See—*
  Busta, Heinz H.; and Cuellar, Raul D., 4,855,636, Cl. 313-306.000.

Cuellar, Richard E.: *See—*
  Larkins, Brian; Cuellar, Richard E.; and Wallace, John C., 4,885,357, Cl. 530-373.000.
  Larkins, Brian; Cuellar, Richard E.; Wallace, John C.; and Galili, Gad, 4,886,878, Cl. 536-26.000.

Cueman, Michael K., to General Electric Company. Carbon dioxide monitoring of composites. 4,826,770, 5-2-89, Cl. 436-6.000.

Cueman, Michael K.; Trzaskos, Casmir R.; Thomas, Lewis J., III; and Greskovich, Charles D., to General Electric Company. High resolution X-ray detector. 4,870,279, 9-26-89, Cl. 250-368.000.

Cueman, Michael K.: *See—*
  Schoenig, Frederick C., Jr.; Walker, Edward S.; Cueman, Michael K.; Haughton, Robert A.; and Zuloaga, Jaime A., Jr., 4,857,260, Cl. 376-245.000.

Cuenin, Paul J.: *See—*
  Becker, Thomas A.; Cuenin, Paul J.; and Mintzer, Lester, 4,835,721, Cl. 364-717.000.

Cues, Inc.: *See—*
  Jones, David P.; and McElroy, William D., 4,855,838, Cl. 358-229.000.

Cueva, Roberto A.: *See—*
  Olson, Bradley J.; and Cueva, Roberto A., 4,848,589, Cl. 206-621.100.

Cuevas, Jess, to Talley Automotive Products, Inc. Filter assembly for non-welded inflator device. 4,865,635, 9-12-89, Cl. 55-276.000.

Cuevas, Jess, to Talley Automotive Products, Inc. Aspirating/venting air bag module assembly. 4,877,264, 10-31-89, Cl. 280-731.000.

Cuevas, Peter, to VLSI Technology, Inc. Voltage level shifting circuit. 4,845,381, 7-4-89, Cl. 307-264.000.

Cuffiani, Illaro; Fabbri, Roberto; Margelli, Gian F.; and Zucchini, Umberto, to Ausimont. Catalysts for the preparation of elastomeric olefinic copolymers. 4,886,770, 12-12-89, Cl. 502-104.000.

Cuilleron, Jean, to Societe Francaise d'Etudes et de Realisation d'Outillage. Quick change adapter with a torque limiter for a tapping chuck. 4,861,201, 8-29-89, Cl. 408-139.000.

Cuisia, Dionisio G.; Hwa, Chih M.; and Salutsky, Murrell L., to W. R. Grace & Co.-Conn. Control of corrosion in aqueous systems. 4,847,001, 7-11-89, Cl. 252-389.620.

Cuisin, Thierry A.; Dody, Jean-Noel E.; and Flochel, Jean-Pierre, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S. N. E. C. M. A." Cristobalitic shell-mould for casting, the products and the process used for preparing the said mould. 4,844,14 7-4-89, Cl. 164-519.000.

Cuisinarts, Inc.: *See—*
  Shibata, Koichiro, 4,817,878, Cl. 241-282.200.
  Williams, James E., 4,813,624, Cl. 241-252.200.

Cukier, Daniel S. Apparel having a breach indicator. 4,843,014, 6-27-89, Cl. 436-63.000.

Culbert, James A.; and Seslar, Daniel M., to Hazeltine Corporation. Noise trap circuit. 4,872,145, 10-3-89, Cl. 367-87.000.

Culberton, Billy M.; and Tiba, Omar, to Ashland Oil, Inc. Copolymerization of bisoxazoline and polyphenolic compound with a hydrocarbon halide catalyst. 4,843,143, 6-27-89, Cl. 528-211.000.

Culbertson, Billy M.; and Tiba, Omar, to Ashland Oil, Inc. Liquid aromatic bisoxazoline and bisoxazine monomer mixtures and process for crosslinking using phenolics. 4,806,267, 2-21-89, Cl. 252-182.230.

Culbertson, Billy M.; and Tiba, Omar, to Ashland Oil, Inc. Thermosetting bis oxazoline-polyphenol based resins for resin transfer molding which contain a monooxazine or monooxazoline diluent. 4,839,44 6-13-89, Cl. 525-504.000.

Culbertson, Billy M.; and Tiba, Omar, to Ashland Oil, Inc. Liquid aromatic bisoxazoline and disoxazine monomer mixtures cured with polyphenolic compounds. 4,841,002, 6-20-89, Cl. 525-504.000.

Culbertson, Billy M.: *See—*
  Tiba, Omar; Culbertson, Billy M.; and Carlos, Donald D., 4,814,223, Cl. 428-246.000.
  Tufts, Timothy A.; Borgnaes, Dan; Culbertson, Billy M.; and Wilkinson, Theodore C., 4,855,368, Cl. 525-454.000.

Culbertson, Timothy D.: *See—*
  McCormick, Peter E.; Culbertson, Timothy D.; and Autry, Walter D., Jr., 4,884,670, Cl. 192-56.00F.

Culbreath, J. Charles. Mouthpiece plates of flute-type wind instruments. 4,875,401, 10-24-89, Cl. 84-384.000.

Culican, Edward F.; Davis, John D.; Powell, Martin E.; and Pritzlaff, Philip E., Jr., to International Business Machines Corporation. Oscillator with noise rejection and square wave output. 4,825,178, 4-25-89, Cl. 331-116.00R.

Culican, Edward F., Sr.; Davis, John D.; Ewen, John F.; Mc Cabe, Scott A.; Mosley, Joseph M.; Muligrav, Allan L., Jr.; Noto, Philip F.; Peterson, Clarence I., Jr.; and Pritzlaff, Philip E., Jr., to International Business Machines Corporation. Analog macro embedded in a digital gate array. 4,833,425, 5-23-89, Cl. 331-1.00A.

Culkin, Joseph B. Method and device for separation of colloidal suspensions. 4,872,988, 10-10-89, Cl. 210-636.000.

Cullen, Donald L.: *See—*
  Fawcett, Sherwood L.; Fawcett, Martha S.; and Cullen, Donald L. 4,794,726, Cl. 47-9.000.

Cullen, James H.: *See—*
  Taranto, James; and Cullen, James H., 4,871,957, Cl. 320-26.000.

Cullen, John S.; Incorvia, Samuel A.; and Vogt, James A., to Multiform Desiccants, Inc. Method of fabricating dual compartment powder cartridge. 4,813,212, 3-21-89, Cl. 53-450.000.

Cullen, John S.; and Incorvia, Samuel A., to Multiform Desiccants, Inc. Bag with integral material treating packets. 4,813,791, 3-21-89, Cl. 383-40.000.

Cullen, John S., to Multiform Desiccants, Inc. Liquid absorbing and immobilizing packet containing a material for treating the absorbed liquid. 4,853,266, 8-1-89, Cl. 421-35.700.

Cullen, Robert: *See—*
  Burchall, James J.; Bushby, Stanley R. M.; Cullen, Robert; Dunkley, Michael J. W.; and Ferone, Robert, 4,795,639, Cl. 514-249.000.

Cullen, Steven R. Clamshell loader bucket with broom brushes. 4,832,390, 5-23-89, Cl. 294-68.230.

Cullen, Thomas G.: *See—*
  Meier, Gary A.; Sieburth, Scott M.; Cullen, Thomas G.; and Engel, John F., 4,808,762, Cl. 514-336.000.

Cullen, Walter P.; Hauske, James R.; Maeda, Hiroshi; and Tone, Junsuke, to Pfizer Inc. Neutral macrolide antibiotics from Streptomyces. 4,835,141, 5-30-89, Cl. 514-30.000.

Culler, Glen J.; Pearson, Robert B.; McCammon, Michael; Proctor, William L.; and Richardson, John L. Instruction sequencer for parallel operation of functional units. 4,837,678, 6-6-89, Cl. 364-200.000.

Culler, Glen J., to Glen Culler & Associates. Bus arbitration system and method. 4,837,682, 6-6-89, Cl. 364-200.000.

Culler, Paul T.: *See—*
  Steuck, Roger A.; Culler, Paul T.; and Drake, Kelly, 4,809,857, Cl. 212-153.000.

Culley, Paul R., to Compaq Computer Corporation. Personal computer having normal and high speed execution modes. 4,835,681, 5-30-89, Cl. 364-200.000.

Culley, Scott A.; Keblys, Kestutis A.; and Nalepa, Christopher J., to Ethyl Corporation. 1,3-Diaminocyclohexanes. 4,849,544, 7-18-89, Cl. 564-461.000.

Culligan, Robert L.; and Roller, George J., to Xerox Corporation. Recirculating document handler with integral SADH. 4,881,729, 11-21-89, Cl. 271-3.100.

Cullman, George J.; Rowland, George F.; and Simmonds, Robin G., to Lilly Industries Limited. Immunoglobulin conjugates. 4,845,200, 7-4-89, Cl. 530-391.000.

Cullinane, Dolores M. Receptacle hanger. 4,825,590, 5-2-89, Cl. 47-67.000.

Cullinane, Dolores M. Bud vase and attachment bracket. 4,880,133, 11-14-89, Cl. 220-85.00H.

Culling, Gerald C.: *See—*
  Del Pesco, Thomas W.; and Culling, Gerald C., 4,810,411, Cl. 252-162.000.

Culling, John H., to Carondelet Foundry Company. Corrosion resistant alloy. 4,795,610, 1-3-89, Cl. 420-582.000.

Culling, John H., to Carondelet Foundry Company. Alloy resistant to seawater and corrosive process fluids. 4,818,483, 4-4-89, Cl. 420-45.000.

Culling, John H., to Carondelet Foundry Company. Corrosion resistant alloy. 4,824,638, 4-25-89, Cl. 420-582.000.

Culling, John H., to Carondelet Foundry Company. Ni-Cr-Fe corrosion resistant alloy. 4,836,985, 6-6-89, Cl. 420-582.000.

Culling, John H., to Carondelet Foundry Company. Iron-chromium-nickel heat resistant alloys. 4,861,547, 8-29-89, Cl. 420-53.000.

Culling, John H., to Carondelet Foundry Company. Corrosion resistant Fe-Ni-Cr alloy. 4,873,055, 10-10-89, Cl. 420-582.000.

Cullis, Herbert M.: *See—*
  Patullo, Martha C.; Bacehowski, David V.; Bilstad, Arnold C.; Cullis, Herbert M.; Dennehey, T. Michael; Yang, James W.; and Brown, William C., 4,829,002, Cl. 435-284.000.

Cullis-Hill, David. Preparation of hyaluronic acid from synovial fluid. 4,879,375, 11-7-89, Cl. 536-55.100.

Cullis, Pieter R.: *See—*
  Bally, Marcel B.; Loughrey, Helen; and Cullis, Pieter R., 4,885,172, Cl. 424-417.000.
  Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.

Cullity, Joseph A.: *See—*
  McKenna, William J.; Silvers, Kenneth W.; Nickerson, Rand B.; Welsh, Russell J.; Walker, Harold R.; Cullity, Joseph A.; and Stryzak, Bohdan, 4,816,904, Cl. 358-84.000.

Cullo, Leonard A.; and Shiring, Francis J., III, to Aristech Chemical Corporation. Silica-titania hydrocarbon conversion catalyst. 4,814,531, 3-21-89, Cl. 585-467.000.

Cullom, James P. Apparatus and method for sorting demolition debris. 4,813,618, 3-21-89, Cl. 241-79.100.

Cullum, Dennis, to Eastman Kodak Company. High speed video tape duplicator. 4,888,653, 12-19-89, Cl. 360-15.000.

Cullum, Douglas L., to Cap Snap Co. Tamper-evident container cap having sealed disc retention means. 4,815,617, 3-28-89, Cl. 215-232.000.

Cullum, Leonard R.: *See—*
  Menown, Hugh; Baker, Robert E.; and Cullum, Leonard R., 4,890,034, Cl. 313-595.000.

Cullum, Phillip: *See—*
  Ferren, Bran; Cullum, Phillip; Harrison, Charles F.; and Wisner, Kenneth R., 4,815,694, Cl. 221-25.000.

Culmo, Robert F.: *See—*
  Norem, Stanley D.; Ferranti, Richard T.; and Culmo, Robert F., 4,795,614, Cl. 422-94.000.

Culp, Bradfred W., to Hewlett-Packard Company. Tape positioning using reverse boundary capture: tape drive system and method. 4,821,129, 4-11-89, Cl. 360-74.400.

Culp, Charles H.: *See—*
  Takach, Eugene J., Jr.; and Culp, Charles H., 4,830,328, Cl. 248-639.000.

Culp, Gary. Tool and method for repairing flat bearing surfaces. 4,817,340, 4-4-89, Cl. 51-241.00S.

Culp, Gordon W.: *See—*
  Voss, David L.; DeCamp, Howard S.; and Culp, Gordon W., 4,874,930, Cl. 219-522.000.
  Voss, David L.; DeCamp, Howard S.; and Culp, Gordon W., 4,876,178, Cl. 430-314.000.

Culpepper, Charles F., to Tektronix, Inc. Laser driver. 4,813,045, 3-14-89, Cl. 372-38.000.

Culpepper, Will L.; and Feliks, James J., to Mead Corporation, The. Container sealing apparatus. 4,852,328, 8-1-89, Cl. 53-300.000.

Culshaw, Brian; and Uttamchandani, Deepak G., to University of Strathclyde. Optically excited vibratile transducer. 4,844,585, 7-4-89, Cl. 350-96.290.

Cultor Oy: *See—*
  Aaltonen, Pirkko K.; and Siissalo, Ilkka T., 4,873,111, Cl. 426-623.000.

Culver, Cindy L.: *See—*
  Culver, Robert A.; and Culver, Cindy L., 4,795,216, Cl. 297-467.000.

Culver, Craig F. Multifunction tactile manipulatable control. 4,823,634, 4-25-89, Cl. 74-471.0XY.

Culver, Gayle E.: *See—*
  Clauss, Allen D.; Culver, Gayle E.; Piatt, David M.; and Wierenga, Thomas J., 4,828,746, Cl. 252-90.000.

Culver, Robert A.; and Culver, Cindy L. Child retaining belt. 4,795,216, 1-3-89, Cl. 297-467.000.

Culwell, William S.: *See—*
  Lowe, Archie H.; Gooding, Addison; and Culwell, William S., 4,847,536, Cl. 315-127.000.

Cumberland, Glenn W., to Foot Technology, Inc. Method and apparatus for molding shoe inserts. 4,888,841, 12-26-89, Cl. 12-38.000.

Cumberland, Keith. Inflatable cervical traction pillow. 4,805,603, 2-21-89, Cl. 128-75.000.

Cumberland Packing Corp.: *See—*
  Bakal, Abraham I.; and Eisenstadt, Marvin E., 4,844,921, Cl. 426-98.000.

Cumes, David M.; and Honikman, Terence C. Medical irrigation device. 4,880,408, 11-14-89, Cl. 604-36.000.

Cuminale, Francesco, to Alcan Aluminio Do Brasil, S.A. Pressure regulating valve for presure cooker. 4,799,508, 1-24-89, Cl. 137-534.000.

Cumming, Carl P.; and Kraft, Russell H., to Fargo Mfg. Co., Inc. Wildlife guard for electrical insulator bushings. 4,845,307, 7-4-89, Cl. 174-5.00R.

Cumming Corporation: *See—*
  Cumming, Newell E.; and Sidell, James E., 4,805,068, Cl. 361-213.000.
  Cumming, Newell E.; and Sidell, James H., 4,834,297, Cl. 239-690.000.

Cumming, J. S. Sealed fresnel intraocular lens. 4,846,833, 7-11-89, Cl. 623-6.000.

Cumming, J. Stuart. Instrument for inserting a deformable intraocular lens into the eye. 4,862,885, 9-5-89, Cl. 128-303.00R.

Cumming, Newell E.; and Sidell, James E., to Cumming Corporation. Film cleaner method and apparatus. 4,805,068, 2-14-89, Cl. 361-213.000.

Cumming, Newell E.; and Sidell, James H., to Cumming Corporation. Air and ion supply via dispensing nozzle. 4,834,297, 5-30-89, Cl. 239-690.000.

Cummings, Arthur L., to American Sterilizer Company. System for monitoring sterilant vapor concentration. 4,843,867, 7-4-89, Cl. 73-23.000.

Cummings, Bruce A.: *See—*
  Tetley, William C.; Cummings, Bruce A.; and Westcott, Daniel R., 4,847,503, Cl. 250-435.000.

Cummings, Charles A., to Kenner Parker Toys Inc. Talk back doll. 4,799,171, 1-17-89, Cl. 364-513.500.

Cummings, Elihu C. Navigation system. 4,796,190, 1-3-89, Cl. 364-449.000.

Cummings, Frederick L.; and Correll, Glenn D., to Morton Thiokol, Inc. In-mold coating powders with two initiators or 1,1-di(t-butylperoxy)-3,3,5-trimethylcyclohexane as a single initiator. 4,873,274, 10-10-89, Cl. 523-500.000.

Cummings, Gerald W., to Ned Strongin Creative Services. Ball catcher and thrower. 4,863,174, 9-5-89, Cl. 273-322.000.

Cummings, Hazel H.: *See—*
  Vick, Eddie E.; and Cummings, Hazel H., 4,844,103, Cl. 132-245.000.

Cummings, John G., to Indak Manufacturing Corp. Pushbutton cartridge switch for automotive air control units. 4,801,769, 1-31-89, Cl. 200-16.00C.

Cummings, John G., to Indak Manufacturing Corp. Snap-action electrical switch for automotive air control units. 4,816,629, 3-28-89, Cl. 200-438.000.

Cummings, Larry E. Tuning mechanism for stringed instrument. 4,811,645, 3-14-89, Cl. 84-207.000.

Cummings, Lowell O., to Adhesive Coatings Co. Dual cure rate water-based coating compositions. 4,812,493, 3-14-89, Cl. 523-412.000.

Cummings, Michael A.: *See—*
  Brockmeyer, Jerry W.; and Cummings, Michael A., 4,802,527, Cl. 164-358.000.

Cummings, Michael T.: *See—*
  Senor, Ronald; and Cummings, Michael T., 4,828,515, Cl. 439-862.000.

Cummings, Stephen P.: *See—*
  Blakely-Fogel, Debora A.; Chalemin, Glen E.; Cummings, Stephen P.; and Jones, Carolyn K., 4,864,492, Cl. 364-200.000.

Cummins Engine Company, Inc.: *See—*
  Baugh, James D.; and Hager, Francis M., 4,854,746, Cl. 384-432.000.

  - Bentz, Joseph C., 4,848,286, Cl. 123-90.610.
  - Bremmer, Robin J.; and Baker, Roscoe A., 4,869,219, Cl. 123-383.000.
  - Gill, Daniel E., 4,794,894, Cl. 123-90.610.
  - Gill, Daniel E.; Suzuki, Shigeo; and Sakata, Yasuo, 4,806,040, Cl. 403-24.000.
  - Gustafson, Richard J., 4,872,427, Cl. 123-90.160.
  - Hixon, Charles E., 4,874,047, Cl. 175-369.000.
  - McAvoy, Paul C., 4,844,030, Cl. 123-193.00H.
  - Reid, David L.; and Weimer, Robert J., 4,862,393, Cl. 364-550.000.
  - Shultz, David E.; Muntean, George L.; and Vogt, Kevin L., 4,813,600, Cl. 239-88.000.
  - Sweetland, Roger D.; and Hager, Francis M., 4,885,953, Cl. 74-606.00R.
  - White, James E., 4,865,136, Cl. 175-227.000.
- Cummins, Ian G. Amphibious accommodation units. 4,869,194, 9-26-89, Cl. 114-344.000.
- Cummins, Joseph M., to Texas A&M University System. Low dosage of interferon to enhance vaccine efficiency. 4,820,514, 4-11-89, Cl. 424-85.400.
- Cummins, Joseph M., to Texas A&M University System. Method of using interferon in low dosage to regulate appetite and efficiency of food utilization. 4,820,515, 4-11-89, Cl. 424-85.700.
- Cummins, Kenneth L.; Hecox, Kurt E.; and Williamson, Malcolm J., to Nicolet Instrument Corporation. Adaptive, programmable signal processing hearing aid. 4,887,299, 12-12-89, Cl. 381-68.400.
- Cummins, Nolan W., to Unit Rig & Equipment Co. Dual rate equalizer suspension. 4,798,398, 1-17-89, Cl. 280-708.000.
- Cummins, Richard D., to Moog Inc. Piezoelectric torque motor. 4,825,894, 5-2-89, Cl. 137-82.000.
- Cummins, Richard F. Controlled wall casting process. 4,840,764, 6-20-89, Cl. 264-102.000.
- Cummins, Robert, to Mosebach Manufacturing Company. Pedestal liner. 4,825,777, 5-2-89, Cl. 105-225.000.
- Cummins, Robert: *See—*
  - Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., 4,837,549, Cl. 338-279.000.
  - Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., 4,847,585, Cl. 338-58.000.
- Cundari, Francesco, to S.P.T. S.r.l. Increased volume synthetic fibres, procedure for producing them and their use, in particular for filters. 4,858,629, 8-22-89, Cl. 131-332.000.
- Cuneo, Andrew A., Jr.: *See—*
  - Berry, Mark D.; Brisker, Henry C.; and Cuneo, Andrew A., Jr., 4,888,546, Cl. 324-64.000.
- Cunha, Daniel; Brown, Wayne M.; Pool, James E.; and Sheperd, Thomas M., to United States of America, Navy. Missile equipment section structure. 4,798,141, 1-17-89, Cl. 102-293.000.
- Cuni, Juvenal A.: *See—*
  - Sheppard, Ray I.; and Cuni, Juvenal A., 4,847,078, Cl. 424-80.000.
- Cunitz, Donald G.: *See—*
  - Ankenman, Bruce E.; and Cunitz, Donald G., 4,873,508, Cl. 338-25.000.
- Cunkle, Glen T.: *See—*
  - Willer, Rodney L.; Cunkle, Glen T.; and Klein, Nathan, 4,878,968, Cl. 149-45.000.
- Cunliffe, John; and Grabham, Brian J., to GTE Sylvania Limited. Fluorescent lamp unit having plural separate tubes and particular arrangement of circuit elements. 4,862,035, 8-29-89, Cl. 315-58.000.
- Cunnane, Francis J., to Asten Group, Inc. Seamed multi-layered papermaker's fabric. 4,865,083, 9-12-89, Cl. 139-383.00A.
- Cunnane, Francis J., to Asten Group, Inc. Method for making a multi-layered papermakers fabric with seam. 4,887,648, 12-19-89, Cl. 139-383.00H.
- Cunningham, Allen R.: *See—*
  - Kobayashi, Herbert S.; Lichtenberg, Christopher L.; Shores, Paul W.; and Cunningham, Allen R., 4,818,999, Cl. 342-59.000.
- Cunningham, Ben J., to Westinghouse Electric Corp. Drag soldering method and apparatus for printed wiring boards. 4,848,644, 7-18-89, Cl. 228-180.100.
- Cunningham, Charles L.; and Gwaltney, Robert E., to Hennessy Industries, Inc. System for controlling the inflation of tires. 4,850,402, 7-25-89, Cl. 141-38.000.
- Cunningham, Charles R., to General Electric Company. More durable modified connector for nuclear power plant pressurizer heater applications. 4,826,451, 5-2-89, Cl. 439-589.000.
- Cunningham, Colin W.; Malits, Steven J.; and Bertalan, Charles W., to General Foods Corporation. Powdered mix for producing a three-layered dessert and process therefore. 4,869,917, 9-26-89, Cl. 426-576.000.
- Cunningham, David C.: *See—*
  - Jacot, A. Dean; Hamilton, Brian J.; Cunningham, David C.; and Davis, L. Porter, 4,848,525, Cl. 188-378.000.
  - Neglia, Joseph D.; and Cunningham, David C., 4,857,926, Cl. 341-116.000.
- Cunningham, Donald J., to Morton Thiokol, Inc. Light weight vehicle restraint bag inflator. 4,878,690, 11-7-89, Cl. 280-741.000.
- Cunningham, Donald M., to Emerson Electric Co. Self-regulating baseboard heater and system. 4,879,453, 11-7-89, Cl. 219-213.000.
- Cunningham, Douglas J., to Britax Limited. Clamping means for a strap. 4,838,388, 6-13-89, Cl. 188-65.100.
- Cunningham, Earl A.: *See—*
  - Christensen, Thomas C.; Coker, Jonathan D.; Cunningham, Earl A.; Jaworski, Richard C.; Kerwin, Gregory J.; Palmer, Dean C.; and Roepke, Jeffrey R., 4,821,125, Cl. 360-31.000.
  - Vinal, Albert W.; and Cunningham, Earl A., 4,860,138, C 360-113.000.
- Cunningham, Eldon R.: *See—*
  - Forbes, Franklin L.; and Cunningham, Eldon R., 4,883,982, C 310-62.000.
- Cunningham, Ernest R., to Grip-Pak, Inc. Carrier assembling apparatus. 4,817,361, 4-4-89, Cl. 53-48.000.
- Cunningham, Francis V., to Joslyn Corporation. Gas operated electrical connector. 4,822,291, 4-18-89, Cl. 439-187.000.
- Cunningham, George D. Article holding device for dishwashers 4,832,206, 5-23-89, Cl. 211-41.000.
- Cunningham, Glenn R.; and Senules, Alex, to Mitchell Chemical Co Emulsion-type explosive compositions. 4,836,870, 6-6-89, C 149-2.000.
- Cunningham, Howard G., Jr.: *See—*
  - Beck, Kent L.; and Cunningham, Howard G., Jr., 4,885,717, C 364-900.000.
- Cunningham, Linda: *See—*
  - Adams, Brian; and Cunningham, Linda, 4,889,145, Cl. 131-365.00
- Cunningham, Michael T.: *See—*
  - Spiering, Michael W.; and Cunningham, Michael T., 4,886,300, C 285-26.000.
- Cunningham, Patricia H.: *See—*
  - Newman, Paul R.; Warren, Leslie F., Jr.; and Cunningham, Patricia H., 4,814,259, Cl. 430-319.000.
- Cunningham, Paul D. Clamp for welding platens. 4,867,427, 9-19-89, C 269-88.000.
- Cunningham, Paul E. Tethered flying disc with two-piece bearing means. 4,802,875, 2-7-89, Cl. 446-46.000.
- Cunningham, Roy T.: *See—*
  - McGovern, Terrence P.; Flath, Robert A.; and Cunningham, Roy T., 4,877,607, Cl. 424-84.000.
- Cunningham, Sinclair: *See—*
  - Wusthof, Peter; and Cunningham, Sinclair, 4,807,519, C 91-492.000.
- Cunningham, Theresa L.; Shaw, Richard G.; and Su, Tien-Kuei, to Mobil Oil Corporation. High impact blends and films of linear polyethylene, polyphenylene oxide and styrene resin. 4,814,383, 3-21-89, Cl. 525-133.000.
- Cunningham, Theresa L.; Shaw, Richard G.; and Su, Tien-Kuei, to Mobil Oil Corporation. Compositions of linear polyethylene and ethylene-vinyl alcohol polymer and films having reduced blocking 4,826,908, 5-2-89, Cl. 524-448.000.
- Cunningham, Timothy: *See—*
  - Linsky, Gary; Cunningham, Timothy; and Pines, Eli, 4,840,626, C 604-364.000.
- Cunningham, William C.; Ramsey, Randy A.; and Autenrieth, Randi E., to Dow Chemical Company, The. Polymer concrete having high bond strength and long working time. 4,816,503, 3-28-89, C 523-521.000.
- Cunningham, William D., to Atlanta Cutlery Corporation. Pocket knife. 4,811,486, 3-14-89, Cl. 30-161.000.
- Cunningham, William J., to Topaz Development Corp. Dispensing for shaving lubricant. 4,858,314, 8-22-89, Cl. 30-90.000.
- Cunningham, William J.: *See—*
  - Carlson, Emery J.; Armor, John N.; Cunningham, William J.; and Smith, Addison M., 4,828,818, Cl. 423-607.000.
- Cuno Incorporated: *See—*
  - Artinyan, Arto; and Krzyston, John, 4,881,313, Cl. 29-163.80
  - Black, John J., Jr.; and Lamb, Harold A., III, 4,865,738, C 210-484.000.
  - Giordano, Edward C.; and Petrucci, Raymond M., 4,806,240, C 210-232.000.
  - Hou, Kenneth C.; and Ostreicher, Eugene A., 4,859,340, C 210-502.100.
  - Marinaccio, Paul J.; and Repetti, Ronald V., 4,888,115, C 210-636.000.
  - Padilla, James M., 4,801,375, Cl. 210-100.000.
  - Padilla, James M., 4,822,076, Cl. 285-8.000.
  - Petrucci, Raymond M.; Taylor, Bruce G.; Giordano, Edward C.; Padiall, James M.; and Palmer, Carl, 4,877,521, Cl. 210-171.00
  - Petrucci, Raymond M.; Giordano, Edward; Hafner, Bruce; and Taylor, Bruce G., 4,882,061, Cl. 210-652.000.
  - Repetti, Ronald V.; Yaeger, Scott P.; and Chu, Chaokang 4,820,460, Cl. 264-41.000.
  - Repetti, Ronald V.; and Troy, Stephen, 4,867,934, Cl. 264-41.00
- Cuomo, Andrea: *See—*
  - Rossi, Domenico; and Cuomo, Andrea, 4,879,641, Cl. 363-98.00
- Cuomo, Carlo; and Brigati, David J., to Fisher Scientific Company Slide pair holder and assembly. 4,801,431, 1-31-89, Cl. 422-104.00
- Cuomo, Jerome J.; Dibble, Eric P.; and Levine, Solomon L., to International Business Machines Corp. Process for preparing low electrical contact resistance composition. 4,849,079, 7-18-89, Cl. 204-192.1
- Cuomo, John: *See—*
  - Christensen, Joel R.; Cuomo, John; and Levitt, George, 4,87 Cl. 71-90.000.
- Cuozzo, Karlina D.: *See—*
  - Scoville, Eugene; Turek, Evan J.; Wragg, Anthony; Cuozzo, Karlina D.; and Rankowitz, Marshall M., 4,798,730, C 426-432.000.
- Cupo, Robert L., to American Telephone and Telegraph Company and American Telephone and Telegraph Company, AT&T Information Systems Inc. Equalization arrangement. 4,800,573, 1-24-89, C 375-14.000.
- Cupo, Robert L.; and Farrow, Cecil W., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Equalizer-based timing recovery. 4,815,103, 3-21-89, Cl. 375-14.000.

- Cupo, Robert L.; and Farrow, Cecil W., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Digital signal processor architecture. 4,843,581, 6-27-89, Cl. 364-724.010.
- Cupo, Robert L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Phase jitter compensation arrangement using an adaptive IIR filter. 4,847,864, 7-11-89, Cl. 375-14.000.
- Cupp, Carl J., to Pachmayr Ltd. Gun grip. 4,878,304, 11-7-89, Cl. 42-71.020.
- Cupp, John P. Adjustable base bracket for pitched roof scaffolding post. 4,826,122, 5-2-89, Cl. 248-237.000.
- Cuppen, Johannes J. M., to U.S. Philips Corporation. Method of reconstructing a nuclear magnetization distribution from a partial magnetic resonance measurement. 4,853,635, 8-1-89, Cl. 324-309.000.
- Cuppen, Johannes J. M.: *See—*
  - Fuderer, Miha; and Cuppen, Johannes J. M., 4,812,753, Cl. 324-307.000.
  - Fuderer, Miha; and Cuppen, Johannes J. M., 4,823,085, Cl. 324-312.000.
- Cuppens, Roger; and Koomen, Ioannes J. M., to U.S. Philips Corp. Non-volatile, programmable semiconductor memory having reduced testing time. 4,862,418, 8-29-89, Cl. 365-201.000.
- Cupples Paper Bag Company: *See—*
  - DeMatteis, Robert B.; and Pflueger, Wayne A., 4,821,985, Cl. 248-97.000.
- CuQ, Jean: *See—*
  - Dieu, Bernard; and CuQ, Jean, 4,877,625, Cl. 426-250.000.
- Cur, Omer N.: *See—*
  - Kruck, Richard W.; and Cur, Omer N., 4,808,457, Cl. 428-69.000.
- Curaden AG: *See—*
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- Curatek Pharmaceuticals, Inc.: *See—*
  - Borgman, Robert J., 4,837,378, Cl. 424-81.000.
- Curbelo, Raul; and Brown, David C., to Bio-Rad Laboratories, Inc. Interferometer bearing assembly. 4,828,367, 5-9-89, Cl. 356-345.000.
- Curcio, Philip L. Electrically heated ski goggles. 4,868,929, 9-26-89, Cl. 2-435.000.
- Cure, Omer P., to Electro-Nite Co. Process intended to prevent deposition on the walls of metallurgical containers and metallurgical containers suitable for carrying out this process. 4,850,572, 7-25-89, Cl. 266-44.000.
- Cure, Richard L.; and Meyer, David A., to Water Purification Systems, Inc. Heat sensitive shut-off diverter valve. 4,853,134, 8-1-89, Cl. 210-742.000.
- Curfman, Paul D., to Union Carbide Corporation. Electrolytic method of and bath for stripping coating from aluminum bases. 4,886,588, 12-12-89, Cl. 204-146.000.
- Curfman, William A., to General Motors Corporation. Method of making an epoxy mold. 4,824,628, 4-25-89, Cl. 264-225.000.
- Curie, Kevin J.; and Jesse, Jerry F., to American National Can Company. Packaging method. 4,862,675, 9-5-89, Cl. 53-440.000.
- Curiel Contreras, Jorge H.: *See—*
  - Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.
  - Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,874,266, Cl. 403-407.100.
- Curiger, Karl: *See—*
  - Bruderlin, Hans R.; Gasser, Hermann; Rutz, Hans; and Curiger, Karl, 4,809,405, Cl. 19-159.00R.
  - Gasser, Hermann; Curiger, Karl; and Rutz, Hans, 4,884,320, Cl. 19-106.00R.
- Curington, Alfred R.; and Arizmendi, Napoleon, to Baker Hughes Incorporated. Packer with electrical conduit bypass. 4,798,243, 1-17-89, Cl. 166-65.100.
- Curlett, Harry B., to Pangaea Enterprises, Inc. Drill pipes and casings utilizing multi-conduit tubulars. 4,799,544, 1-24-89, Cl. 166-65.100.
- Curlett, Harry B., to Pangaea Enterprises, Inc. Drill pipes and casings utilizing multi-conduit tubulars. 4,836,305, 6-6-89, Cl. 175-215.000.
- Curletto, Giorgio F. Slender housing for electronic M.I.D.I. accordion. 4,884,488, 12-5-89, Cl. 84-376.00R.
- Curley, Charles M.; and Longrod, Scott J., to Smith Corona Corporation. Electronic keyboard. 4,818,828, 4-4-89, Cl. 200-5.00A.
- Curley, Charles M.; and Longrod, Scott J., to Smith Corona Corporation. Keybutton guide assembly for a keyboard. 4,855,548, 8-8-89, Cl. 200-345.000.
- Curley, John L.: *See—*
  - Dunwell, Llewelyn S.; Brown, Richard P.; Peters, Arthur; and Curley, John L., 4,827,400, Cl. 364-200.000.
- Curlin, L. C.: *See—*
  - Romine, Richard L.; and Curlin, L. C., 4,834,859, Cl. 204-242.000.
- Curlin, Lemuel C.: *See—*
  - Nelson, Bonnie I.; Turk, Randolph C.; and Curlin, Lemuel C., 4,816,177, Cl. 252-181.000.
- Curliss, Danny R.; and Looney, Dwight E., to Mt. Vernon Plastics Corporation. One-piece molded end closure. 4,830,214, 5-16-89, Cl. 220-270.000.
- Curnes, Dennis A.: *See—*
  - Bakula, Robert J.; and Curnes, Dennis A., 4,869,023, Cl. 49-395.000.
- Curran, Bernard J., to Filterpure Corporation. Smoke reduction system. 4,825,652, 5-2-89, Cl. 60-309.000.
- Curran Company, The: *See—*
  - Sims, Richard E., 4,806,703, Cl. 174-35.0MS.
- Curran, Earl J., Jr., to Square D Company. Up to speed detector for an electric motor using measured values of the current lag; and voltage ramp controller using the up to speed indication. 4,833,628, 5-23-89, Cl. 364-550.000.
- Curran, Earl J., Jr.: *See—*
  - Reed, Ryan T.; and Curran, Earl J., Jr., 4,823,226, Cl. 361-85.000.
- Curran, John H.: *See—*
  - Anderson, Benjamin C.; and Curran, John H., 4,796,147, Cl. 361-92.000.
- Curran, Kenneth J.: *See—*
  - Baer, Ralph H.; Curran, Kenneth J.; and Smith, Jay, III, 4,875,096, Cl. 358-143.000.
  - May, Richard L.; and Curran, Kenneth J., 4,836,465, Cl. 242-192.000.
- Curran, Neal J.: *See—*
  - Haury, Gilbert E.; Patel, Nathalal C.; Lockard, Walter G.; Wiatrak, Thomas R.; and Curran, Neal J., 4,805,925, Cl. 280-250.100.
- Curran, Thomas A., Jr., to Du Pont de Nemours, E. I., and Company. Multi-boom field sprayer. 4,813,604, 3-21-89, Cl. 239-163.000.
- Curran, Thomas M. Isometric strength testing method and equipment for disability evaluation. 4,882,677, 11-21-89, Cl. 364-413.020.
- Curran, William V.; and Lenhard, Robert H., to American Cyanamid Company. Novel monocycle β-lactam antibacterials. 4,808,579, 2-28-89, Cl. 514-210.000.
- Curran, William V.: *See—*
  - Babine, Robert; Curran, William V.; and Lee, Ving J., 4,866,169, Cl. 540-226.000.
  - Lee, Ving J.; and Curran, William V., 4,803,280, Cl. 548-127.000.
- Current, Andrew: *See—*
  - Nimee, George S.; and Current, Andrew, 4,852,919, Cl. 292-251.500.
- Currie, James R.; Kissel, Ralph R.; Oliver, Charles E.; Smith, Earnest C.; Redmon, John W.; Wallace, Charles C.; and Swanson, Charles P., to United States of America, Administrator, National Aeronautics and Space Administration. Cylindrical surface profile and diameter measuring tool and method. 4,821,425, 4-18-89, Cl. 33-520.000.
- Currie, Peter K.: *See—*
  - Roberts, David L.; Stewart, Robert B.; and Currie, Peter K., 4,808,038, Cl. 405-237.000.
- Currier, David W.; and Pesek, Pavel, to Motorola, Inc. Assembly for circuit modules. 4,811,165, 3-7-89, Cl. 361-386.000.
- Currier, Frederick A.; and Herb, Carl C., to Carrier Corporation. Sound insulated bellows-type air terminal valve. 4,811,575, 3-14-89, Cl. 98-41.100.
- Currier, Frederick A.; and Herb, Carl C., to Carrier Corporation. Snap-secured bladder for air-distribution terminal. 4,851,066, 7-25-89, Cl. 156-244.110.
- Currier, John K.: *See—*
  - Lavoie, Gerard H.; Miller, Charles W., Jr.; Currier, John K.; Saunders, Lionel F.; and Leary, Daniel J., 4,885,454, Cl. 219-390.000.
- Currier, Joseph G.: *See—*
  - Powers, Richard G.; Currier, Joseph G.; and Zeets, Joseph S., 4,869,653, Cl. 417-339.000.
  - Powers, Richard G.; Currier, Joseph G.; and Zeets, Joseph S., 4,869,655, Cl. 417-360.000.
  - Powers, Richard G.; Currier, Joseph G.; and Zeets, Joseph S., 4,884,594, Cl. 137-625.480.
- Currier, Sam L., to Currier, Sam L. Safety device and method of establishing group communication. 4,833,452, 5-23-89, Cl. 340-539.000.
- Curro, John J.; Trusty, Alan J.; and Vernon, George M., to Procter & Gamble Company, The. Formed material produced by solid-state formation with a high-pressure liquid stream. 4,839,216, 6-13-89, Cl. 428-134.000.
- Curro, John J.: *See—*
  - Lyons, Julie W.; Battrell, Charles F.; Ouellette, William R.; and Curro, John J., 4,846,821, Cl. 604-369.000.
- Curry, Douglas N., to Xerox Corporation. Scan linearity correction. 4,860,237, 8-22-89, Cl. 364-718.000.
- Curry, Kenneth V.: *See—*
  - Callingham, Martin; Chaudhuri, Dwaipayan; Curry, Kenneth V.; Pike, Barry G.; and Taylor, Michael B., 4,822,596, Cl. 424-46.000.
- Curry, Leonard O. Portable tire X-ray apparatus and method. 4,839,914, 6-13-89, Cl. 378-61.000.
- Curry, Renwick: *See—*
  - Raskin, Jef; Winter, James; and Curry, Renwick, 4,806,916, Cl. 340-709.000.
- Curry, Sean: *See—*
  - Baumrind, Sheldon; and Curry, Sean, 4,836,778, Cl. 433-69.000.
  - Leberl, Franz W.; Curry, Sean; and Karspeck, Milan, 4,809,066, Cl. 358-107.000.
  - Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,829,373, Cl. 358-88.000.
  - Leberl, Franz W.; Curry, Sean; Henrot, Denis; Karspeck, Milan; and Lee, Scott, 4,841,455, Cl. 364-525.000.
  - Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,849,912, Cl. 364-525.000.
- Curry, Stephen J., to Avco Corporation. Signal added vibration transducer. 4,872,348, 10-10-89, Cl. 73-653.000.

Curry, Wayne T.: *See—*
  Romberg, Val. G.; Kiang, Patty H.; and Curry, Wayne T., 4,808,453, Cl. 428-36.800.
  Romberg, Val G.; Kiang, Patty H.; Curry, Wayne T.; and Pfister, Ralph E., 4,882,210, Cl. 428-34.700.
Curt G. Joa, Inc.: *See—*
  Hirsch, John L.; and Wingender, Mark L., 4,802,570, Cl. 414-790.000.
Curtenius, Frederick B., to Curtenius Products Company. Electrical extension for wall mounting. 4,867,702, 9-19-89, Cl. 439-527.000.
Curtenius Products Company: *See—*
  Curtenius, Frederick B., 4,867,702, Cl. 439-527.000.
Curths, Gary, to McInerney Incorporated. Air injection pipe assembly and method of making. 4,873,823, 10-17-89, Cl. 60-293.000.
Curti, Carlo; and Cattani, Luciano, to Sauer S.p.A. Closed loop system for making ice confections having a holding stick embedded therein. 4,819,449, 4-11-89, Cl. 62-345.000.
Curti, Ezio. Method of and apparatus for aligning printed circuit carriers preparatory to the application of printed circuits. 4,805,316, 2-21-89, Cl. 33-613.000.
Curtice-Burns, Inc.: *See—*
  Fielding, Mimi S., 4,855,151, Cl. 426-144.000.
  Meyer, Richard S.; Root, Jeffrey M.; Campbell, Michael L.; and Winter, Daryl B., 4,840,815, Cl. 426-611.000.
Curtin, James J.; Dorler, Jack A.; Jordy, George J.; and Leiner, Kenneth L., to International Business Machines Corporation. Logic redundancy circuit scheme. 4,798,976, 1-17-89, Cl. 307-441.000.
Curtin, Marilyn A. Method and apparatus for measuring physical attributes of a human body. 4,823,476, 4-25-89, Cl. 33-512.000.
Curtin, Mark, to Board of Governors for Higher Education, State of Rhode Island and Providence Plantations, The. Compliant tactile sensor. 4,817,440, 4-4-89, Cl. 73-862.040.
Curtin, Paul M.: *See—*
  Luecke, Robert A.; Gould, Gordon E., and Curtin, Paul M., 4,804,510, Cl. 264-169.000.
Curtin, William J. Series connected telephone service system. 4,876,711, 10-24-89, Cl. 379-94.000.
Curtis, Adam S. G.; and Wilkinson, Christopher D. W., to University of Glasgow, The University Court of the. Microstructures. 4,832,759, 5-23-89, Cl. 435-285.000.
Curtis, Anthony N.: *See—*
  Albertelli, Aldino; Hohmann, Lothar M.; and Curtis, Anthony N., 4,843,103, Cl. 521-83.000.
Curtis, Bobby B.; and Cermak, Ivan A., to Advanced Diagnostic Medical Systems, Inc. Inflatable sheath for ultrasound probe. 4,815,470, 3-28-89, Cl. 128-662.030.
Curtis, Daniel L., to Hughes Aircraft Company. Non-temperature cycling cryogenic cooler. 4,802,345, 2-7-89, Cl. 62-514.00R.
Curtis, Daniel L., to Hughes Aircraft Company. Temperature stable optical bonding method and apparatus obtained thereby. 4,857,130, 8-15-89, Cl. 156-292.000.
Curtis Dyna-Products Corporation: *See—*
  Stevens, Robert E.; and Roudebush, Dennis A., 4,811,901, Cl. 239-138.000.
Curtis, Ernest S.: *See—*
  Murphy, John H.; Curtis, Ernest S.; and Horton, Donald D., 4,820,518, Cl. 424-401.000.
Curtis, George C. Paint bucket handle accessory. 4,823,433, 4-25-89, Cl. 16-114.00R.
Curtis, George S., to Hewlett-Packard Company. Signal generator utilizing a combined phase locked and frequency locked loop. 4,890,071, 12-26-89, Cl. 331-11.000.
Curtis, Guy T., to TriTech Laboratories, Inc. Telephone network interface tester. 4,841,559, 6-20-89, Cl. 379-27.000.
Curtis, Huntington W.; Fung, Min-Su; and Verkuil, Roger L., to International Business Machines Corporation. Contactless technique for semicondutor wafer testing. 4,812,756, 3-14-89, Cl. 324-158.00R.
Curtis Instruments, Inc.: *See—*
  Finger, Eugene P., 4,852,104, Cl. 371-57.000.
Curtis, Jeff: *See—*
  Nyberg, Eric D.; Klingman, Ken A.; Curtis, Jeff, and Stewart, Ray F., 4,888,098, Cl. 204-1.00R.
Curtis, Jeff K., to Stauffer Chemical Company. Certain 3-benzoyl-4-oxolactams. 4,808,720, 2-28-89, Cl. 546-220.000.
Curtis, Jeff K., to Stauffer Chemical Company. Certain 3-benzoyl-4-oxolactams. 4,871,856, 10-3-89, Cl. 71-94.000.
Curtis, Jeff K., to Stuaffer Chemical Company. Certain 3-benzoyl-4-oxolactams. 4,871,857, 10-3-89, Cl. 546-220.000.
Curtis, John M. Test specimen grip apparatus. 4,888,995, 12-26-89, Cl. 73-859.000.
Curtis, Lindy J.: *See—*
  Poole, Jon M.; and Curtis, Lindy J., 4,818,482, Cl. 419-33.000.
Curtis Manufacturing Company, Inc.: *See—*
  Judd, Thomas W., 4,852,498, Cl. 108-43.000.
Curtis, Mark D.; and Heidel, David W., to Brunswick Corporation. Cowl and air inlet assembly. 4,869,693, 9-26-89, Cl. 440-77.000.
Curtis, Mark D.; and Heidel, David, to Brunswick Corporation. Cowl-locking mechanism. 4,871,333, 10-3-89, Cl. 440-77.000.
Curtis, Matthew P.: *See—*
  Sallavanti, Robert A.; and Curtis, Matthew P., 4,846,408, Cl. 241-18.000.
Curtis, Neil J.: *See—*
  Page, Steven J.; Wills, Derek P. M.; Lowe, Barry M.; Brown, John G.; Curtis, Neil J.; Hall, Adrian J.; and Holmes, Kim P., 4,849,893, Cl. 364-434.000.

Curtis-Prior, Peter B.; Leslie, Stewart T.; Miller, Ronald B.; and Shil Alison L., to Euroceltique, S.A. Contraceptive composition 4,795,761, 1-3-89, Cl. 514-652.000.
Curtis-Prior, Peter B.; Leslie, Stewart T.; Miller, Ronald B.; and Shil Alison L., to Euroceltique, S.A. Vaginal pharmaceutical compo tion. 4,804,674, 2-14-89, Cl. 514-400.000.
Curtis, R. Eugene; Narayanan, G. Hari; and Quist, William E., to Boeing Company, The. Low temperature underaging process for lithium bearing alloys. 4,840,682, 6-20-89, Cl. 148-12.70A.
Curtis, Richard H., to Artel. Comparative colorimeter. 4,797,00 1-10-89, Cl. 356-436.000.
Curtis, Robert A., to Digital Equipment Corporation. Twisted pair adapter. 4,875,223, 10-17-89, Cl. 375-36.000.
Curtis, Robert G.: *See—*
  Baumbach, Randall L.; Berard, Richard G.; and Curtis, Robert G. 4,847,876, Cl. 375-113.000.
Curtis, Stephen S.; and Allen, Michael, to Decamor Limited. Process for separating potato flesh from a potato half. 4,865,860, 9-12-89, C 426-482.000.
Curtis, Susan A., to Texas Instruments Incorporated. Impact bipolar integrated circuit designed to eliminate output glitches caused by negative chip ground spikes. 4,839,538, 6-13-89, Cl. 307-456.000.
Curtis, Thomas K., Jr.: *See—*
  Johnson, Larry B.; Curtis, Thomas K., Jr., and Allred, Gary A. 4,858,822, Cl. 229-137.000.
Curtis, William: *See—*
  Rice, Verle; Curtis, William; Keener, Richard; and Rafferty, Robert, 4,838,138, Cl. 83-698.000.
Curtis, William A. Locking device for a shaft end, such as a trailer kingpin. 4,841,756, 6-27-89, Cl. 70-232.000.
Curtiss, Alan C.; and Lo, Jeelin, to Pfizer Inc. Rolled matrix device having enhanced ability to unroll and method for its production. 4,861,596, 8-29-89, Cl. 424-438.000.
Curtiss, Linda K.: *See—*
  Smith, Richard; Lamb, Peta-Maree; Curtiss, Linda K., and Witztum, Joseph, 4,876,188, Cl. 435-7.000.
  Smith, Richard S.; Hogle, Doreen M.; Curtiss, Linda K.; Witztum, Joseph L.; and Young, Steven, 4,828,986, Cl. 435-7.000.
Curtiss, Peter: *See—*
  May, Larry; Curtiss, Peter; and Foshee, Terry, 4,803,88 C 73-862.390.
Curtiss, Roy, III, to Research Corporation. Vaccines obtained from antigenic gene products of recombinant genes. 4,888,170, 12-19-89, Cl. 424-93.000.
Curtiss, William P.: *See—*
  Byong-Ho, Ahn; Fulton, Donald E.; Gilinson, Philip J., Jr.; Whipple, David C.; and Curtiss, William P., 4,868,479, Cl. 318-721.000.
Curtman, Wendell B.: *See—*
  Baxter, Bobby G.; Curtman, Wendell B.; and Peveler, Michael W. 4,838,566, Cl. 280-149.200.
Curty: *See—*
  Genin, Bernard C., 4,856,796, Cl. 277-235.00B.
Curtz, William C., to Tyee Aircraft, Inc. Construction of hollow continuously wound filament load-bearing structure. 4,851,0 7-25-89, Cl. 156-172.000.
Curvat, Rene: *See—*
  Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, 4,830, Cl. 439-586.000.
  Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, 4,846, Cl. 439-439.000.
Curwen, Peter W.; and Hurst, Ralph, to Mechanical Technology Incorporated. Flat plunger linear electrodynamic machine. 4,814,6 3-21-89, Cl. 310-22.000.
Curwen, Peter W.; and Hurst, Ralph, to Mechanical Technology Incorporated. Pressure actuated movable head for a resonant reciprocating compressor balance chamber. 4,836,757, 6-6-89, Cl. 417-416.000.
Curzon, Andrew F., to National Nuclear Corporation Ltd. Nuclear reactor core restraint. 4,859,400, 8-22-89, Cl. 376-172.000.
Curzon, Francis L.: *See—*
  Whitehead, Lorne A.; Clark, Robert L.; and Curzon, Francis L. 4,885,783, Cl. 381-191.000.
Cusack, Francene: *See—*
  Costerton, J. William F.; Cusack, Francene; MacLeod, Fraser A. and Cyr, Theodore J., 4,800,959, Cl. 166-246.000.
Cusack, Michael D., to United Technologies Corporation. Variable pitch IC bond pad arrangement. 4,875,138, 10-17-89, Cl. 174-52.4
Cusack, Robert F., to GTE Valeron Corporation. Magnetostrictive pump with reversible valves. 4,795,317, 1-3-89, Cl. 417-322.000.
Cusack, Robert F., to GTE Valeron Corporation. Magnetostrictive pump. 4,795,318, 1-3-89, Cl. 417-322.000.
Cusack, Robert F., to GTE Valeron Corporation. Precision pump mechanical float. 4,803,786, 2-14-89, Cl. 33-644.000.
Cusack, Robert F., to GTE Valeron Corporation. Magnetostrictive hydraulic injector. 4,804,314, 2-14-89, Cl. 417-322.000.
Cusack, Robert F., to GTE Valeron Corporation. Magnetostrictive pump with reversible valves. 4,815,946, 3-28-89, Cl. 417-322.000.
Cusano, Dominic A., and Possin, George E., to General Electric Company. Digital radiographic imaging system and method therefor 4,873,708, 10-10-89, Cl. 378-62.000.
Cusati, Ward R., to Torrington Company, The. Midpoint connector for intermediate shaft subassembly. 4,856,927, 8-15-89, C 403-104.000.
Cuschera, Casper. Motorized stirring apparatus. 4,856,910, 8-15-89, C 366-282.000.
Cuschera, Casper. Disengagable ring fitting for a toilet. 4,873, 10-17-89, Cl. 4-252.00R.

Cuscurida, Michael, to ARCO Chemical Company. Dispersing agents for producing vinyl polymer polyols utilizing an alkoxylated alkyl or alkylphenyl polyoxyalkylene isopropylamine. 4,797,459, 1-10-89, Cl. 526-209.000.
Cuscurida, Michael: *See—*
  Klein, Howard P.; and Cuscurida, Michael, 4,888,446, Cl. 564-478.000.
  Larkin, John M.; Zimmerman, Robert L.; Cuscurida, Michael; and Waddill, Harold G., 4,825,000, Cl. 564-347.000.
  Larkin, John M.; and Cuscurida, Michael, 4,827,039, Cl. 564-505.000.
Cusdin, Anthony R.; Dadds, Alan F.; and Mallinson, Peter, to U. S. Philips Corporation. Radio direction-finding using time of arrival measurements. 4,797,679, 1-10-89, Cl. 342-387.000.
Cush, Rosemary: *See—*
  Bennion, Ian; Cush, Rosemary; and Groves-Kirkby, Christopher J., 4,834,511, Cl. 350-354.000.
Cushing, Donald S.: *See—*
  Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.
Cushing, R. Rand. Swimming pool protector and converter. 4,807,309, 2-28-89, Cl. 4-494.000.
Cusick, Donald J.; and Cusick, Douglas T., to Infab Corporation. Radiation shield garment. 4,843,641, 7-4-89, Cl. 2-2.000.
Cusick, Douglas T.: *See—*
  Cusick, Donald J.; and Cusick, Douglas T., 4,843,641, Cl. 2-2.000.
Cusick, Joseph B., III; Steuart, Kyle; and Bervig, Dale R., to Tweco Products, Inc. Water cooled semi-automatic welding gun. 4,864,099, 9-5-89, Cl. 219-137.620.
Cusinecrafts, Inc.: *See—*
  Kingsley, I. Stephen, 4,844,929, Cl. 426-326.000.
Cusolar Industries, Inc.: *See—*
  Hayes, Mark B.; and Scanlon, Daniel, 4,853,123, Cl. 210-316.000.
Cussans, Nigel J., to Pfizer Inc. Tetrahydroisoquinoline antiarrhythmic agents. 4,882,337, 11-21-89, Cl. 514-307.000.
Cussler, Edward L., to University of Minnesota, Regents of the. Temperature-sensitive method of size-selective extraction from solution. 4,828,701, 5-9-89, Cl. 210-634.000.
Cussler, Edward L.: *See—*
  Johnson, Dale W.; Cussler, Edward L.; and Trank, Steven J., 4,863,613, Cl. 210-670.000.
Custeau, Lincoln. Paint brush cleaning assembly. 4,865,188, 9-12-89, Cl. 206-209.000.
Custer, Craig S., to Chem Tec Equipment Corp. Level sensing system. 4,796,473, 1-10-89, Cl. 73-308.000.
Custer, Craig S., to Chem Tec Equipment Corp. Attitude-insensitive, by-pass sensor. 4,858,647, 8-22-89, Cl. 137-599.100.
Custin, James R., to GB Electrical, Inc. Shielded cable cutter with improved cable clamp. 4,884,339, 12-5-89, Cl. 30-90.400.
Custode, Frank Z., to Rockwell International Corporation. Diffused field CMOS-bulk process and CMOS transistors. 4,879,583, 11-7-89, Cl. 357-42.000.
Custom Air, Inc.: *See—*
  McKown, James M., 4,826,103, Cl. 244-1.00R.
Custom Chrome, Inc.: *See—*
  Panzica, Ignatius J., 4,836,158, Cl. 123-193.0CH.
  Panzica, Ignatius J., 4,848,154, Cl. 73-493.000.
  Panzica, Ignatius J., 4,869,213, Cl. 123-73.0AD.
  Panzica, Ignatius J., and Hoeptner, Herbert W., 4,880,280, Cl. 301-105.00B.
Custom Controls Co., Inc.: *See—*
  Emplit, Raymond H., and Daily, Donald Y., 4,819,483, Cl. 73-304.00C.
Custom Equipment Corporation: *See—*
  Peterson, Joseph L., and Wilson, Robert A., 4,837,423, Cl. 219-190.000.
Custom Industries, Inc.: *See—*
  Pugh, J. Robert; and Matherly, James F., 4,877,182, Cl. 236-44.00C.
Custom Machinery Design, Inc.: *See—*
  Gietman, Peter J., Jr., 4,889,522, Cl. 493-193.000.
Custom Medical Plastics, Inc.: *See—*
  Laible, Rodney; and Brown, Daniel, 4,809,850, Cl. 206-366.000.
Custom Metalcraft, Inc.: *See—*
  May, Lindy L., 4,815,585, Cl. 198-672.000.
Custom Packaging Systems, Inc.: *See—*
  LaFleur, Arthur E.; LaFleur, Arnie; and LaFleur, Lee, 4,798,572, Cl. 493-195.000.
  LaFleur, Arthur E.; LaFleur, Arnie; and LaFleur, Lee, 4,817,824, Cl. 222-105.000.
Custom Products Corporation: *See—*
  Bacon, Walter H., 4,883,255, Cl. 254-266.000.
  Carlon-Bacon, Philip H., 4,880,407, Cl. 464-43.000.
Custom Products of Litchfield, Inc.: *See—*
  Halberg, Laurie L., 4,854,628, Cl. 296-3.000.
Custom Technologies, Inc.: *See—*
  Dotson, Richard N.; and Brewer, Bruce L., 4,828,102, Cl. 198-588.000.
Custro, Sergio: *See—*
  Agostinis, Enrico; Custro, Sergio; and Zazzetta, Alessandro, 4,874,821, Cl. 525-271.000.
Cusumano, Ted A.: *See—*
  Iakman, William P.; Garza, Cesario S.; and Cusumano, Ted A., 4,852,178, Cl. 381-205.000.

Cutburth, Ronald W., to United States of America, Energy. Motorized control for mirror mount apparatus. 4,811,619, 3-14-89, Cl. 74-424.80B.
Cutchaw, John M., to Technology Enterprises Company. Bubble generation in condensation wells for cooling high density integrated circuit chips. 4,884,169, 11-28-89, Cl. 361-385.000.
Cutean, Bruce: *See—*
  Chatterson, Louis M.; and Cutean, Bruce, 4,882,885, Cl. 52-221.000.
Cuthbert, Roy M. Variable orifice flow meter. 4,840,072, 6-20-89, Cl. 73-861.580.
Cutie, Sergio S.; Langhorst, Martin A.; and Wood, Stewart P., to Dow Chemical Company, The. Column holder for on-column photometric detection. 4,854,700, 8-8-89, Cl. 356-72.000.
Cutler, David N.: *See—*
  Butts, H. Bruce, Jr.; Cutler, David N.; Schnorr, Peter C.; and Short, Robert T., 4,812,971, Cl. 364-200.000.
Cutler, Gregory M., to Hewlett-Packard Company. Frequency locking circuit with sideband imbalance correction. 4,862,108, 8-29-89, Cl. 331-9.000.
Cutler, Raymond A., to Ceramatec, Inc. Dense, fine-grained tungsten carbide ceramics and a method for making the same. 4,828,584, 5-9-89, Cl. 51-307.000.
Cutler, Raymond A.; Virkar, Anil V.; and Hurford, Andrew C., to Ceramatec, Inc. Liquid phase sintering of silicon carbide. 4,829,027, 5-9-89, Cl. 501-89.000.
Cutler, Winnifred B.; Preti, George; and Huggins, George R., to Monell Chemical Senses Center; and University of Pennsylvania. Birth control method involving monitoring of axillary androstenol and dehydroepiandrosterone. 4,879,244, 11-7-89, Cl. 436-65.000.
Cutmore, Nicholas G.: *See—*
  Sowerby, Brian D.; and Cutmore, Nicholas G., 4,817,021, Cl. 364-558.000.
Cutrell, Mitchell R.: *See—*
  Pope, Thomas A., deceased; Wallin, Walter B.; Cutrell, Mitchell R.; and Melton, James J., 4,852,029, Cl. 364-556.000.
Cutri, Joseph: *See—*
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Cutright, James W., to Homer Laughlin China Company, The. One-fire underglaze decal system. 4,888,230, 12-19-89, Cl. 428-195.000.
Cutting, Lawrence R.: *See—*
  Ameen, Joseph G.; Carden, Timothy F.; Cutting, Lawrence R.; Engle, Stephen R.; and Moore, Ronald J., 4,803,100, Cl. 427-387.000.
Cutting/Sewing Room Equipment Company, Inc.: *See—*
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  Andersen, David R.; and Cuykendall, Robert R., 4,811,258, Cl. 364-713.000.
Cuypers, Maximiliaan Joseph Hubertus, to Lyons Eye Institute of Western Australian Incorporated. Magnifying binocular ophthalmoscope. 4,838,678, 6-13-89, Cl. 351-205.000.
Cuzin, Daniel, to Atochem. Bonding method employing polyamide oligomer-epoxy polymer adhesives. 4,820,367, 4-11-89, Cl. 156-283.000.
Cuzin, Daniel; and Judas, Didier, to Atochem. Polyesteramides, polyetheresteramides and process for preparation thereof. 4,839,441, 6-13-89, Cl. 528-328.000.
Cuzin, Daniel; and Judas, Didier, to Atochem. Polyester amides and polyether thioether ester amides and process for preparing them. 4,864,014, 9-5-89, Cl. 528-279.000.
Cuzin, Marc, to SA Martin. Device for piling up flat pieces. 4,808,054, 2-28-89, Cl. 414-795.000.
Cuzzato, Paolo; Castellan, Arsenio; and Pasquale, Antonio, to Ausimont S.p.A. Process for the preparation of perfluoroacyl fluorides. 4,814,113, 3-21-89, Cl. 260-544.00F.
CV International, Inc.: *See—*
  Tatge, Robert J., and Pfenning, Thomas E., 4,830,642, Cl. 55-273.000.
CVD Systems & Services: *See—*
  Witmer, Warner H., 4,882,203, Cl. 427-124.000.
Cvek, Sava. Trace cutter for roll material. 4,858,807, 8-22-89, Cl. 225-58.000.
Cvetkovic, Milutin. Fluid mattress. 4,827,546, 5-9-89, Cl. 5-455.000.
Cvijanovich, George B.; Williams, Richard T.; and Wu, Jeff C., to AMP Incorporated. Method and apparatus for plating composite. 4,832,798, 5-23-89, Cl. 204-15.000.
Cvopa, Rudolf: *See—*
  Urbanek, Peter; Farkas, Peter; Cvopa, Rudolf; Faskova, Maria; and Drbohlav, Jaroslav, 4,843,207, Cl. 219-121.600.
Cwielong, Heinrich; Mertens, Wilfried; and Merten, Gerhard, to Gewerkschaft Eisenhutte Westfalia GmbH. Drive assemblies for chain-driven mining machinery. 4,887,991, 12-19-89, Cl. 474-92.000.
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  Voss, Hans W.; Cremer, Heinz P.; Cwiertnia, Harald; and Putsch, Peter-Ulrich, 4,842,334, Cl. 297-338.000.
Cwirzen, Casimir Z.; and Kupferschmidt, Albert, to Northern Telecom Limited. Electrically protected connector for telephone distribution frames. 4,875,868, 10-24-89, Cl. 439-188.000.
CWR Manufacturing: *See—*
  Sinclair, Mark A., 4,810,146, Cl. 411-342.000.
CWS International AG: *See—*
  Arabian, Sandro; and Baumann, Manfred, 4,818,042, Cl. 312-38.000.
Cwycyshyn, Walter; and Kudwa, Frank J., to General Motors Corporation. Clutch for robot or like. 4,860,864, 8-29-89, Cl. 192-56.00R.

- CXA Ltd./CXA LTEE: *See—*
  - Simon, James R.; True, Donald C.; and Lafond, Jacques, 4,870,902, Cl. 102-201.000.
  - True, Donald C.; and Carriere, Raymond, 4,821,646, Cl. 102-322.000.
- Cy Vi Co: *See—*
  - Hanisko, John-Cyril P.; and Borowski, Victor J., 4,804,856, Cl. 307-10.0AT.
- Cyanide Destruct Systems, Inc.: *See—*
  - Robey, Herbert L., 4,877,519, Cl. 210-86.000.
- Cybela, Jeffrey J.; and Reichard, Jerome J., to Square D Company. Programmable controller capacitor and battery backed ram memory board. 4,874,960, 10-17-89, Cl. 307-64.000.
- Cybernetic Systems, Inc.: *See—*
  - Aita, Anthony; and Goldman, H. Warren, 4,848,366, Cl. 128-863.000.
- CyberOptics Corporation: *See—*
  - Jalkio, Jeffrey A.; and Case, Steven K., 4,872,747, Cl. 350-421.000.
- Cybex Corporation: *See—*
  - Asprey, Robert R.; and Shatas, Remigius G., 4,885,718, Cl. 364-900.000.
- Cyborg Systems, Inc.: *See—*
  - Wexler, Joel S.; and Bednarz, John J., 4,812,627, Cl. 235-377.000.
- Cycle Composites, Inc.: *See—*
  - Hollingsworth, Ritchie D., 4,856,801, Cl. 280-284.000.
- Cyclean, Inc.: *See—*
  - Radomsky, John, 4,856,202, Cl. 34-10.000.
- Cycles Peugeot: *See—*
  - Beley, Serge; and Fourrey, Francois, 4,799,733, Cl. 297-379.000.
  - Fourrey, Francois; and Deley, Serge, 4,804,225, Cl. 297-452.000.
- Cyclomatic Industries, Inc.: *See—*
  - Kotecki, Mariusz B.; and Thommes, James M., 4,839,499, Cl. 219-121.390.
- Cyclopark Inc.: *See—*
  - Bernier, Denis; and Simard, Jean-Francois, 4,807,423, Cl. 70-233.000.
- Cyclops Corporation: *See—*
  - McKeown, Patrick D.; and Neiger, Jack W., 4,838,524, Cl. 256-24.000.
- Cyclotomics, Inc.: *See—*
  - Berlekamp, Elwyn R., 4,821,268, Cl. 371-37.000.
  - Cohen, Earl T.; and Swensen, John A., 4,820,993, Cl. 328-155.000.
  - Cohen, Earl T., 4,833,678, Cl. 371-37.000.
  - Peile, Robert E., 4,821,288, Cl. 375-11.000.
  - Peile, Robert E., 4,821,289, Cl. 375-14.000.
  - Peile, Robert E.; and Cohen, Earl T., 4,835,772, Cl. 371-2.000.
  - Seroussi, Gadiel, 4,835,775, Cl. 371-37.000.
  - Tong, Po, 4,843,607, Cl. 371-37.000.
  - Tong, Po, 4,847,801, Cl. 364-746.100.
- Cycomm Corporation: *See—*
  - Chauveau, Claude J., 4,864,566, Cl. 370-109.000.
- Cydzik, Edward: *See—*
  - Jacobs, Brian; McGaffigan, Thomas; and Cydzik, Edward, 4,821,147, Cl. 361-388.000.
- Cydzik, Edward A.: *See—*
  - Gen, Tamar G.; and Cydzik, Edward A., 4,809,901, Cl. 228-56.300.
- Cygnarowicz, Robert M.; Lazar, Arthur J.; and Patella, Joseph G., to Babcock & Wilcox Company, The. Updating physical property correlations with laboratory data. 4,847,793, 7-11-89, Cl. 364-570.000.
- Cygnet Systems, Inc.: *See—*
  - Hug, Paul; Umeda, Bill; Yesnosky, Paul A.; Raudebaugh, Bart; Ricco, Gary; and McCabe, Gary E., 4,855,990, Cl. 369-36.000.
  - Hug, Paul M.; Frese, Dale C.; Yesnosky, Paul A.; Umeda, William H.; and Suchomel, Frank R., 4,817,070, Cl. 369-36.000.
- Cygnor, John E., to Sundstrand Corporation. Fuel supply system with turbine driven start pump. 4,864,815, 9-12-89, Cl. 60-39.141.
- Cykman, Jose. Protective casing against theft of car radio sets. 4,862,715, 9-5-89, Cl. 70-58.000.
- Cymbaluk, Ted H.: *See—*
  - Nowack, Gerhard P.; Johnson, Marvin M.; and Cymbaluk, Ted H., 4,849,576, Cl. 585-670.000.
- Cymbaluk, William J., Jr.: *See—*
  - Barbarito, James L.; Cymbaluk, William J., Jr.; and Poggie, Matthew P., 4,827,919, Cl. 128-92.00Y.
- Cyngier, Roseann M.: *See—*
  - Loza, Roman; and Cyngier, Roseann M., 4,853,138, Cl. 252-8.554.
- Cyphert, David L.: *See—*
  - Robertson, John A.; and Cyphert, David L., 4,808,018, Cl. 400-121.000.
- Cypress Medical Products Ltd.: *See—*
  - Chen, Charles, 4,865,065, Cl. 135-69.000.
- Cypress Semiconductor: *See—*
  - Platt, Paul E., 4,877,978, Cl. 307-473.000.
- Cypress Semiconductor Corporation: *See—*
  - Bloker, Raymond; Burd, Robert; and Frederick, Bruce, 4,870,304, Cl. 307-468.000.
  - Frederick, Bruce; and Keswick, Paul, 4,888,739, Cl. 365-221.000.
  - Pathak, Jagdish; Douglas, Stephen M.; Kurkowski, Hal; and Vider, Dov-Ami, 4,851,720, Cl. 307-530.000.
  - Pathak, Jagdish; Douglass, Stephen M.; and Vider, Dov-Ami, 4,879,481, Cl. 307-465.000.
- Cyprien, Guy; Fisch, Alain; Haggiage, Johnny; Porte, Hugues; Prazuck, Thierry; and Torres, Ghislaine, to Rhone-Poulenc Chimie. Polyaddition silicone elastomer dosage forms for the controlled release of iodine values. 4,871,547, 10-3-89, Cl. 424-81.000.
- Cyprien, Guy; Fisch, Alain; Haggiage, Johnny; Porte, Hugues; Prazuck, Thierry; and Torres, Ghislaine, to Rhone-Poulenc Chimie. Diorganopolysiloxane dosage forms for the controlled release of iodine values. 4,886,661, 12-12-89, Cl. 424-78.000.
- Cyprus Foote Mineral Company: *See—*
  - Boryta, Daniel A.; and Wellhoffer, Peter D., 4,867,956, C 423-281.000.
- Cyprus Minerals Company: *See—*
  - Weber, Kenneth E., 4,814,019, Cl. 106-469.000.
  - Weber, Kenneth E., 4,820,347, Cl. 106-469.000.
- Cyr, Martin E.: *See—*
  - MacLeod, J. Martin; and Cyr, Martin E., 4,814,042, Cl. 162-17.00
- Cyr, Michel L. Potatoe drawer. 4,854,463, 8-8-89, Cl. 220-18.000.
- Cyr, Richard A.; and Raley, Ronald J., to General Motors Corporation. Door handle for vehicle with flush glass. 4,886,310, 12-12-89, C 292-336.300.
- Cyr, Theodore J.: *See—*
  - Costerton, J. William F.; Cusack, Francene; MacLeod, Fraser A. and Cyr, Theodore J., 4,800,959, Cl. 166-246.000.
- Cyril Bath Company, The: *See—*
  - Moroney, Edward E., 4,803,878, Cl. 72-296.000.
  - Moroney, Edward E., 4,815,308, Cl. 72-296.000.
  - Moroney, Edward E., 4,827,753, Cl. 72-296.000.
- Cyron, Theodor; and Maus, Wolfgang, to Interatom GmbH. Mounting for a metallic exhaust gas catalyst carrier body and method for manufacturing the same. 4,795,615, 1-3-89, Cl. 422-179.000.
- Cyron, Theodor, to Interatom GmbH. Metal catalyst carrier or support body rolled or laminated from metal sheets and having a double or multiple corrugated or wave structure. 4,818,746, 4-4-89, C 502-527.000.
- Cyron, Theodor; and Staubwasser, Wolfgang, to Interatom GmbH. Catalyst carrier foil and method of manufacturing the same. 4,822,766, 4-18-89, Cl. 502-439.000.
- Cyron, Theodor, to Interatom GmbH. Honeycomb body, especially a catalyst carrier body having sheet metal layers twisted in opposite directions and a method for producing the same. 4,832,998, 5-23-8 Cl. 428-116.000.
- Cyron, Theodor; Vierkotter, Manfred; and Hetzelberger, Rolf, to Emitec Gesellschaft fur Emissionstechnologie mbH. Metal catalyst carrier body, blank for producing the body. 4,842,954, 6-27-89, C 428-593.000.
- Cyron, Theodor, to EMITEC Gesellschaft fur Emissionstechnologie mbH. Metal catalyst carrier body having two dissimilarly corrugated sheet-metal layers. 4,845,073, 7-4-89, Cl. 502-439.000.
- Cyron, Theodor, to Interatom GmbH. Wound metallic exhaust gas catalyst carrier body having a geometrically complex cross-sectional shape. 4,847,230, 7-11-89, Cl. 502-439.000.
- Cyron, Theodor, to Emitec Gesellschaft fur Emissionstechnologie mbH. Method of oxidation of the surface of a catalyst carrier body and a catalyst carrier body produced according to the method. 4,885,269, 12-5-89, Cl. 502-439.000.
- Cyron, Theodor: *See—*
  - Maus, Wolfgang; Kottmann, Rolf; Cyron, Theodor; and Wiere Ludwig, 4,824,011, Cl. 228-173.700.
- Cysewski, Jerome. Vertically rotatable gate. 4,881,345, 11-21-89, C 49-385.000.
- Cysewski, Jerome. Gate assembly. 4,887,393, 12-19-89, Cl. 49-385.00
- Cytocolor, Inc.: *See—*
  - Kass, Lawrence, 4,810,487, Cl. 424-3.000.
  - Kass, Lawrence, 4,853,210, Cl. 424-3.000.
- Cytocorp, Inc.: *See—*
  - Maksem, John A., 4,857,300, Cl. 424-3.000.
- Cytogen Corporation: *See—*
  - Goers, John W. F.; King, Hurley D.; Lee, Chyi; Coughlin, Daniel J.; Alvarez, Vernon L.; Rodwell, John D.; and McKearn, Thomas J., 4,867,973, Cl. 424-85.910.
  - Quash, Gerard A.; Rodwell, John D.; McKearn, Thomas J.; and Ripoll, Jean P., 4,853,326, Cl. 435-5.000.
- Cyvas, Matthew K.: *See—*
  - Hyne, Joseph H.; Cyvas, Matthew K.; and Long, David D. 4,815,770, Cl. 285-140.000.
- Czafit, Sandor: *See—*
  - Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Mora Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sakos, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
- Czaja, Anthony J.: *See—*
  - Scheiterlein, Ernst, 4,860,719, Cl. 124-25.000.
- Czaja, Julius. Atmospheric latent heat engine. 4,878,349, 11-7-89, C 60-674.000.
- Czaja, Julius. Open cycle latent heat engine. 4,885,913, 12-12-89, C 60-673.000.
- Czajkowski, Didier; Labarthe, Joel; and Bouyou, Bertrand, to Conception, Elaboration, Realisation D'Ensembles Electroniques et Mecaniques (C.E.R.E.M.). Process and machine for collecting of products especially fruit, from the ground. 4,884,392, 12-5-89, Cl. 56-13.1
- Czajkowski, Julian: *See—*
  - Perry, Paul D.; and Czajkowski, Julian, 4,869,461, Cl. 251-129.1
- Czako, Klara: *See—*
  - Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kuthy, Maria; Kincsesy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
- Czapiewski, Manfred: *See—*
  - Fey, Hans; and Czapiewski, Manfred, 4,859,072, Cl. 366-165.00

- Czaplewski, Steven E.: *See—*
  - Blankenship, David J.; George, Richard A.; and Czaplewski, Steven E., 4,825,923, Cl. 152-213.00A.
- Czaplinsky, Ernst: *See—*
  - Loeblich, Karl-Richard; Bruns, Guenter; Zentgraf, Helmut; and Czaplinsky, Ernst, 4,848,675, Cl. 241-21.000.
- Czarka, Michael W., to Dana Corporation. Clutch assembly with combined variable and fixed speed pulleys. 4,857,033, 8-15-89, Cl. 474-14.000.
- Czarnecki, Bogdan: *See—*
  - Tomlinson, Terence R.; and Czarnecki, Bogdan, 4,846,863, Cl. 62-24.000.
- Czarnecki, Kenneth R.: *See—*
  - Amelio, William J.; Czarnecki, Kenneth R.; Lemon, Gary K.; Markovich, Voya; Sambucetti, Carlos J.; and Zarr, Richard S., 4,820,643, Cl. 436-37.000.
- Czarnetzki, Edwin: *See—*
  - Reinartz, Hans-Dieter; Steffes, Helmut; and Czarnetzki, Edwin, 4,838,305, Cl. 137-505.130.
- Czarniecki, Michael F.; and Bauer, Barr E., to Schering Corporation. Sulfonamide compounds, compositions and method of use. 4,857,301, 8-15-89, Cl. 424-40.000.
- Czarnocki, Walter S.; Harper, Peter W.; Moran, Kevin S.; and Alexander, Steven W., to Motorola Inc. Mass fluid flow sensor. 4,854,167, 8-8-89, Cl. 73-204.190.
- Czeban, Sandor (Stan) J.; and Stittle, Kenneth W., to Canadiana Outdoor Products Inc. Control system for apparatus. 4,869,124, 9-26-89, Cl. 74-526.000.
- Czech, Bronislaw P., to Technicon Instruments Corporation. Process for the preparation of chromogenic cryptahemispherands. 4,845,212, 7-4-89, Cl. 540-469.000.
- Czech, Bronislaw P.: *See—*
  - Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Leong, Koon-Wah; and Kumar, Anand, 4,808,539, Cl. 436-74.000.
  - Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.
- Czech, Erwin: *See—*
  - Ostertag, Werner; Czech, Erwin; Schmitt, Franz-Ulrich; and Schulze-Hagenest, Detlef, 4,803,143, Cl. 430-106.600.
- Czech, Joachim. Dispenser for paste-like products. 4,796,786, 1-10-89, Cl. 222-256.000.
- Czech, Joachim. Dispenser for pasty products. 4,856,679, 8-15-89, Cl. 222-136.000.
- Czech, Joachim. Dispenser for paste-like products. 4,875,604, 10-24-89, Cl. 222-257.000.
- Czechowski, Joseph, III: *See—*
  - Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
- Czelusniak, Paul A., Jr.; and Crouch, Milton R., to Fieldcrest Cannon, Inc. Method and apparatus for air splicing yarn. 4,825,630, 5-2-89, Cl. 57-22.000.
- Czelusniak, Paul A., Jr.; and Crouch, Milton R., to Fieldcrest Cannon, Inc. Method and apparatus for air splicing yarn in a textile creel. 4,833,872, 5-30-89, Cl. 57-22.000.
- Czenkusch, David A.: *See—*
  - Twerlein, Ronald L.; and Czenkusch, David A., 4,870,629, Cl. 368-120.000.
- Czerniachowski, Lech E.: *See—*
  - Nowosinski, George B.; Miller, Arthur; and Czerniachowski, Lech E., 4,806,288, Cl. 261-94.000.
- Czerwinski, Kenneth S.: *See—*
  - Turko, John W.; and Czerwinski, Kenneth S., 4,815,659, Cl. 239-6.000.
  - Turko, John W.; and Czerwinski, Kenneth S., 4,817,684, Cl. 141-4.000.
- Czerwinski, Richard W.; and Xiao, Han X., to Genesco Inc. Novel urethane polymer alloys with reactive epoxy functional groups. 4,870,142, 9-26-89, Cl. 525-528.000.
- Czeschka, Franz; and Schafer, Richard, to ERNI Elektroapparate GmbH. Method of making contact springs. 4,825,541, 5-2-89, Cl. 29-885.000.
- Czetwertynski, Albert S., to E. R. Squibb & Sons, Inc. Dosating dispenser for topical formulations. 4,805,810, 2-21-89, Cl. 222-319.000.
- Czibor, Janos: *See—*
  - Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis, Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.
- Czibula, Laszlo: *See—*
  - Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
- Czich, Erhard; Endler, Wolfgang; and Wagner, Juergen, to Alfred Teves GmbH. Actuating device for a disc brake for automotive vehicles. 4,819,768, 4-11-89, Cl. 188-196.00D.
- Czep, Werner; Kuenzel, Ulrich; and Ruh, Wolf-Dieter, to International Business Machines Corp. Producing viaholes in plastic sheets and application of the method. 4,834,835, 5-30-89, Cl. 156-643.000.
- Czikkely, Vilmos: *See—*
  - Von Maessenhausen, Walter; Czikkely, Vilmos; and Jung, Johann, 4,883,530, Cl. 71-36.000.
- Czinner, Robert L., to Integrated Wood Research Inc. Apparatus and method for processing lumber. 4,805,679, 2-21-89, Cl. 144-357.000.
- Czipri, John. Pop up cleat. 4,809,634, 3-7-89, Cl. 114-218.000.
- Cziptschirsch, Kurt: *See—*
  - Mahler, Gert; Cziptschirsch, Kurt; and Oltmanns, Oltmann, 4,844,530, Cl. 296-97.100.
- Czogalla, Claus-D., to von der Haar-Czogalla, Rita. Process for the production of thiophenes from alpha-methylene ketones in the single-stage process and new ortho-fused thiophenes produced by means of the process. 4,876,361, 10-24-89, Cl. 549-41.000.
- Czollner, Laszlo: *See—*
  - Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.
- Czopor, Edmund J., Jr., to Stanley Works, The. Level package with sleeve positioning element. 4,863,022, 9-5-89, Cl. 206-349.000.
- Czosnyka, Mitch. Self-supporting storage container. 4,842,189, 6-27-89, Cl. 229-143.000.
- Czubatyj, Wolodymyr; Hack, Michael G.; and Shur, Michael, to Energy Conversion Devices, Inc. Method of making a double injection field effect transistor. 4,882,295, 11-21-89, Cl. 437-101.000.
- Czuma, Dean M.: *See—*
  - Roman, Christopher D.; and Czuma, Dean M., 4,795,869, Cl. 200-255.000.
- Czytko, Michael; Ishii, Kiyoshi; and Kawai, Kimitoshi, to Huls Aktiengesellschaft. Continuous process for preparing organic acids by fermentation. 4,882,277, 11-21-89, Cl. 435-136.000.
- Czyzewski, Jerzy: *See—*
  - Hardy, Colin; Martin, Tony R.; Czyzewski, Jerzy; and Levin, Daniel, 4,845,285, Cl. 564-97.000.
- D B Industries, Inc.: *See—*
  - Wolner, J. Thomas, 4,877,110, Cl. 182-232.000.
- D & C Limited: *See—*
  - Pierson, Henri G. W., 4,857,194, Cl. 210-406.000.
- D-Con-Tainer, Inc.: *See—*
  - Hutton, Corrin H., 4,869,156, Cl. 98-1.500.
- D.E.A. Digital Electronic Automation S.p.A.: *See—*
  - De Alessi, Renato; and Garau, Enrico, 4,844,194, Cl. 180-125.000.
  - Ercole, Maurizio; De Alessi, Renato; and Garau, Enrico, 4,848,005, Cl. 33-568.000.
  - Fondeur, Bernard, 4,886,353, Cl. 356-4.500.
  - Zona, Mauro, 4,833,789, Cl. 33-503.000.
- D. G. Shelter Products Co.: *See—*
  - Coller, John H.; and Littleton, Donald N., 4,875,271, Cl. 29-432.000.
- D & H Bowling Supply, Inc.: *See—*
  - Sternhagen, David A., 4,796,887, Cl. 273-51.000.
- D. H. Haden Limited: *See—*
  - Haden, John D.; and Duxbury, Eric, 4,812,623, Cl. 219-437.000.
- D. H. Technology, Inc.: *See—*
  - Kersey, Kevin T., 4,886,381, Cl. 400-124.000.
- D. J. Batchen Pty. Limited: *See—*
  - Batchen, David J.; and Capilli, Francesco, 4,865,077, Cl. 137-614.040.
- D. J. C. Electrical Engineering Pty. Ltd.: *See—*
  - Chapman, David J., 4,871,309, Cl. 432-156.000.
- D.J. Incorporated: *See—*
  - Pelle, Theos R.; and Allen, Bobby H., 4,867,880, Cl. 210-474.000.
- D-K Gleason, Inc.: *See—*
  - Stritzel, Gene A., 4,885,958, Cl. 74-715.000.
- D. L. Auld Company, The: *See—*
  - Fielder, William A.; and Coscia, Charles M., 4,801,479, Cl. 428-31.000.
  - Yaver, Perry N., 4,877,657, Cl. 428-31.000.
- D. L. Martin Company: *See—*
  - Martin, Donnie L., 4,807,724, Cl. 187-110.000.
- D M Enterprises Inc.: *See—*
  - Mraz, Dennis, 4,842,130, Cl. 198-839.000.
  - Mraz, Dennis; and Skuce, Donald R., 4,860,878, Cl. 198-309.000.
- D.O.M. Associates, Inc.: *See—*
  - Fateley, William G., 4,799,795, Cl. 356-310.000.
  - Fateley, William G.; and Tilotta, David C., 4,856,897, Cl. 356-301.000.
- D.S.D.P. - S.p.A.: *See—*
  - Ghiraldi, Alberto, 4,798,238, Cl. 165-32.000.
- D.S.R. Products: *See—*
  - Goldberg, Elisabeth, 4,804,103, Cl. 220-251.000.
- D. Swarovski & Co.: *See—*
  - Swarovski, Daniel, 4,842,904, Cl. 428-28.000.
  - Swarovski, Helmut, 4,884,237, Cl. 368-276.000.
- D. W. Haber & Son, Inc.: *See—*
  - Haber, Robert H., 4,823,966, Cl. 211-128.000.
- Da-Lite Screen Co., Inc.: *See—*
  - Kindig, Omer L., 4,826,124, Cl. 248-452.000.
- Da-Tel Research Company, Incorporated: *See—*
  - Gilbert, Everett A., 4,878,241, Cl. 379-106.000.
- Daalmans, Gabriel M., to Siemens Aktiengesellschaft. Thin film SQUID magnetometer for a device for measuring weak magnetic fields. 4,801,882, 1-31-89, Cl. 324-248.000.
- Daamen, Jacobus J. H. G.; De Haan, Peter J.; and Klip, Evert J., to Organon Teknika B.V. Process for the manufacture of bundles of

semi-permeable hollow filaments for use in blood, plasma and dialysate filters. 4,838,972, 6-13-89, Cl. 156-175.000.

Daamen, Jacobus T.; and Huizinga, Tom, to Shell Oil Company. Silica-alumina extrudates. 4,888,319, 12-19-89, Cl. 502-235.000.

Daane, Don A., to Control Data Corporation. Input register for test operand generation. 4,847,800, 7-11-89, Cl. 364-717.000.

Daane, Don A.: *See—*

  Teske, Judy L.; Borchers, Brian D.; Daane, Don A.; Baxter, Daniel J.; and Ehrich, William G., 4,860,288, Cl. 371-1.000.

Daane, Robert A.: *See—*

  Stibbe, Paul H.; Downham, Roy E.; and Daane, Robert A., 4,833,794, Cl. 34-156.000.

Daas, Balbhadra: *See—*

  Hammel, Joseph J.; Robertson, Walter J.; Marshall, William P.; Baruch, Herbert W.; Daas, Balbhadra; Smoot, Michael A.; and Beaver, Richard P., 4,842,620, Cl. 55-16.000.

Dabbish, Ezzat A.: *See—*

  Brown, Daniel P.; Danielsen, Carl M.; and Dabbish, Ezzat A., 4,853,884, Cl. 364-602.000.

  Krolopp, Robert K.; Auchter, Thomas J.; Pregont, Gary J.; and Dabbish, Ezzat A., 4,811,377, Cl. 379-62.000.

Dabby, Joseph; and Gurberg, Barry. Garment hanger and counting system. 4,831,638, 5-16-89, Cl. 377-6.000.

Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel C.; and Thomas, Jeffrey A., to Amdahl Corporation. Cache storage queue. 4,855,904, 8-8-89, Cl. 364-200.000.

Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel Carl; and Thomas, Jeffrey A., to Amdahl Corporation. Monolithic semi-custom IC having standard LSI sections and coupling gate array sections. 4,872,111, 10-3-89. Cl. 364-200.000.

Dabirnia, Shahriar: *See—*

  Wallick, Clarence H.; and Dabirnia, Shahriar, 4,830,3[illegible], Cl. 280-35.000.

Dabney, Upton R., to Hoover Group, Inc. Spring module with improved mounting foot structure. 4,861,002, 8-29-89, Cl. 267-103.000.

Dabney, Upton R., to Hoover Group, Inc. Box spring with wire columns and partial coils. 4,867,424, 9-19-89, Cl. 267-103.000.

Daboub, Henry A. Singulator for document feeder. 4,884,796, 12-5-89, Cl. 271-111.000.

Dabrowski, Michael D.: *See—*

  Ehrenfried, Albert D.; and Dabrowski, Michael D., 4,816,799, Cl. 338-13.000.

Dabrowski, Roman; Dziaduszek, Jerzy; Szczucinnski, Tomasz; Drzewinski, Witold; Stolarz, Zofia; Zmija, Jozef; Parka, Janusz; and Sosnowska, Bozena, to Wojskowa Akademia Techniczna; and Zaklady Kineskopowe Unitra-Polkolor Zaklady Kineskopow Kolorowych. Liquid crystalline ethane derivatives, their preparation and the liquid crystal compositions containing same. 4,849,130, 7-18-89, Cl. 252-299.610.

Dabrowski, Stanley P., to Ardac, Inc. Bulk coin hopper. 4,881,919, 11-21-89, Cl. 453-57.000.

Dacey, Ernest A., Jr., to Utica Enterprises, Inc. Method and apparatus for establishing the position of a datum reference from an object having dimensional variations within a tolerance range. 4,813,125, 3-21-89, Cl. 29-714.000.

Dacey, Ernest A., Jr., to Utica Engineering Company. Method for hemming overlapped sheet material. 4,827,595, 5-9-89, Cl. 29-432.200.

Dacey, Ernest A., Jr., to Utica Enterprises, Inc. Apparatus for body panel attachment. 4,884,431, 12-5-89, Cl. 72-334.000.

Dach, Hans-Jurgen; and Ott, Anton, to Zahnradfabrik Friedrichshafen AG. Planetary shift gear unit. 4,817,462, 4-4-89, Cl. 74-740.000.

Dach, Michael M., to Texaco Inc. Quench ring insulating collar. 4,828,580, 5-9-89, Cl. 48-69.000.

Dachiku, Kenshi: *See—*

  Ozeki, Kazuo; Sugiyama, Fumio; Dachiku, Kenshi; Fujiwara, Hisao; and Watanabe, Toshiaki, 4,833,535, Cl. 358-135.000.

  Sugiyama, Fumio; and Dachiku, Kenshi, 4,797,742, Cl. 358-141.000.

Dachtler, John D.: *See—*

  Hawkins, Paul; and Dachtler, John D., 4,852,870, Cl. 272-3.000.

Dackus, Arnold J. G.; and Brasser, Cornelis G. J., to Rijnstaal B.V. Method and apparatus for the manufacture of powder-filled steel tube from steel strip. 4,811,889, 3-14-89, Cl. 228-148.000.

Da Col, Diego, to Da Col, Diego. Structural glazing system. 4,887,402, 12-19-89, Cl. 52-235.000.

Da Col, Marco: *See—*

  Bolis, Goffredo A.; Cantarini, Giuseppe; and Da Col, Marco, 4,851,563, Cl. 560-41.000.

Dacomed Corporation: *See—*

  Penney, Richard C.; Kukowski, Thomas R.; Sundquist, Stephen K.; and Mike, Charles J., 4,848,361, Cl. 128-774.000.

  Timm, Gerald W.; and Sundquist, Stephen K., 4,881,531, Cl. 128-79.000.

Da Costa, Jose J. P. P. T. Extension for light protection visor for motor cars. 4,848,822, 7-18-89, Cl. 296-97.800.

Dadakarides, Simos D.: *See—*

  Lusignan, Bruce B.; and Dadakarides, Simos D., 4,843,356, Cl. 333-236.000.

Dadbeh, Bemanali H., to Harvard Sports, Inc. Basketball goal height adjustment apparatus. 4,798,381, 1-17-89, Cl. 273-1.50R.

Dadds, Alan F., to U.S. Philips Corporation. Data element position indication. 4,857,937, 8-15-89, Cl. 342-377.000.

Dadds, Alan F.: *See—*

  Cusdin, Anthony R.; Dadds, Alan F.; and Mallinson, Peter, 4,797,679, Cl. 342-387.000.

Dader, Pierre T.: *See—*

  Homolko, Johannes; Dader, Pierre T.; and Assier, Bernard, 4,801,428, Cl. 422-61.000.

Dadgar, Ahmad, to Great Lakes Chemical Corporation. Antifloc additives for sodium bromide compositions. 4,804,484, 2-14-89, Cl. 252-8.551.

Dadgar, Ahmad: *See—*

  Shin, Charles C.; Favstritsky, Nicolai A.; and Dadgar, Ahmad, 4,886,543, Cl. 71-88.000.

Dadhich, Ghanshyam M., to Westinghouse Electric Corp. Method of salvaging stationary blades of a steam turbine. 4,819,313, 4-11-89, Cl. 29-156.80R.

Dadley, David A.: *See—*

  Lloyd, Peter G.; and Dadley, David A., 4,797,941, Cl. 382-27.000.

Dady, Kenneth J., Sr., to Olofsson Corporation, The. Reach attachment. 4,810,161, 3-7-89, Cl. 414-700.000.

Dae Ryung Vacumm Co. Ltd.: *See—*

  Lee, Hee-Yong, 4,879,017, Cl. 204-298.000.

Dae Yeong Co., Ltd.: *See—*

  Choi, Yong-Kyu, 4,809,136, Cl. 361-519.000.

Daeges, Johannes; and Van Der Linden, Klaus, to Siemens Aktiengesellschaft. Piezoelectrically excitable resonance system. 4,888,5 12-19-89, Cl. 310-323.000.

Daelmans, Adriaan L.: *See—*

  Wuyten, Johannes M.; and Daelmans, Adriaan L., 4,860,918, C 220-84.000.

Daenicke, Heinrich: *See—*

  Kruger, Volker; and Daenicke, Heinrich, 4,854,401, C 175-107.000.

  Kruger, Volker; and Daenicke, Heinrich, 4,889,195, C 175-107.000.

Daes, Guido F.: *See—*

  Van Biesen, Jozef A.; Daes, Guido F.; and Verstringe, Jan E., 4,879,196, Cl. 430-100.000.

Daeschner, John, to Allied-Signal Inc. Electro-hydraulic proportional actuator. 4,807,517, 2-28-89, Cl. 91-384.000.

Daewoo Electronics Co., Ltd.: *See—*

  Kim, Keum M., 4,828,466, Cl. 418-88.000.

Daffarn, Patrick A., to U.S. Philips Corp. Method of and apparatus for producing a digital indication of the time-integral of an electric current. 4,821,036, 4-11-89, Cl. 341-172.000.

da Fonseca, Marcus C.: *See—*

  de Castro Morshbacker, Antonio L. R.; Filho, Dante F. F.; Filho, Joaquim M. F.; da Fonseca, Marcus C.; and de Mello, Ricardo T., 4,849,190, Cl. 423-124.000.

Dagan, Jacob; and Nezer, Shlomo, to State of Israel, Ministry of Defence, Armament Development Authority Rafael. Viewfinder system for a periscope. 4,859,045, 8-22-89, Cl. 350-623.000.

Dagard, Philippe; and Couturier, Michel, to Framatome. Device for condensing steam under pressure and its application to the cooling of a nuclear reactor after an incident. 4,799,538, 1-24-89, Cl. 165-47.000.

Dagata, Frank J., to Union Carbide Corporation. Joint for carbon electrodes. 4,813,805, 3-21-89, Cl. 403-32.000.

Dage, Richard C., to Merrell Dow Pharmaceuticals Inc. Enhancement of prazosin. 4,868,182, 9-19-89, Cl. 514-254.000.

Dage, Richard C.: *See—*

  Carr, Albert A.; Koerner, John E.; Dage, Richard C.; Li, Tung; and Hay, David A., 4,868,194, Cl. 514-318.000.

  Jones, Winton D.; Schnettler, Richard A.; Claxton, George P.; and Dage, Richard C., 4,803,210, Cl. 514-293.000.

  Jones, Winton D.; Dage, Richard C.; and Schnettler, Richard A., 4,849,522, Cl. 546-288.000.

  Jones, Winton D.; Schnettler, Richard A.; and Dage, Richard C., 4,853,395, Cl. 514-332.000.

  Jones, Winton D.; Claxton, George P.; Dage, Richard C.; Cheng, Hsien C.; and Robinson, Phillip J., 4,886,811, Cl. 514-314.000.

  Schnettler, Richard A.; Jones, Winton D.; and Dage, Richard C., 4,866,182, Cl. 548-230.000.

  Schnettler, Richard A.; Dage, Richard C.; Grisar, J. Martin; and Palopoli, Frank P., 4,868,197, Cl. 514-392.000.

Dagenais, Mario; Sharfin, Wayne F.; and Seymour, Robert J., to GTE Laboratories Incorporated. Optical digital matrix multiplication apparatus. 4,809,204, 2-28-89, Cl. 364-713.000.

Dagenais, Robert. Folding access door in a foldable closure assembly. 4,848,436, 7-18-89, Cl. 160-199.000.

Dagger, Raymond E.; and Motyka, Linda A., to SmithKline Beckman Corporation. Certain 3-(2-phenethyl)-1-carbamoyloxypyridinium halide intermediates. 4,843,163, 6-27-89, Cl. 546-194.000.

Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; and Booth, Barrett L., to Westinghouse Electric Corp. Basic digital multi-axis robot control having modular performance expansion capability. 4,851,748, 7-25-89, Cl. 318-568.200.

Daggett, Kenneth E.; Onaga, Eimei M.; and Casler, Richard J., Jr., to Westinghouse Electric Corp. Multiprocessor torque servo control for multiaxis digital robot control system. 4,864,204, 9-5-89, Cl. 318-568.200.

Daggett, Kenneth E., to Unimation, Inc. Communication interface for multi-microprocessor servo control in a multi-axis robot control system. 4,868,472, 9-19-89, Cl. 318-568.200.

Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; and Johnson, Richard A., to Unimation, Inc. Digital robot control providing pulse width modulation for a brushless DC drive. 4,874,99 10-17-89, Cl. 318-568.100.

Daggett, Kenneth E.; Onaga, Eimei M.; and Casler, Richard J., Jr., to Unimation, Inc. Position and velocity feedback system for a digital robot control. 4,876,494, 10-24-89, Cl. 318-568.220.

Daggett, Kenneth E.: *See—*

  Lancraft, Roy E.; Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; Booth, Barrett L.; Bergman, Norman J.; and Nuncy, Marcus D., 4,868,474, Cl. 318-568.200.

Daggett, Pierre-Marc; and Simione, Frank P., to American Type Culture Collection. Method of culturing freeze-dried microorganisms and resultant preparation. 4,879,239, 11-7-89, Cl. 435-252.100.

Daggett, Robert C.; Helinski, Richard R.; Howard, Robert; and Magee, Mark W., to Howtek, Inc. Solid ink delivery system. 4,870,430, 9-26-89, Cl. 346-140.00R.

Daggett, Walter E.; and Zaracki, Stanley J., to Ford Motor Company. Four speed ratio automatic power transmission. 4,884,471, 12-5-89, Cl. 74-758.000.

Daghe, Joseph L., to Mueller Co. Underground meter box. 4,813,281, 3-21-89, Cl. 73-201.000.

Daghe, Joseph L.: *See—*

  Logman, Timothy M.; Daghe, Joseph L.; Humes, Dennis W.; Floren, Carl E.; and Bouc, Gary L., 4,848,730, Cl. 251-367.000.

  Stanley, Mervin D.; and Daghe, Joseph L., 4,823,977, Cl. 220-243.000.

  Weller, Michael E.; and Daghe, Joseph L., 4,883,085, Cl. 137-315.000.

Dagma Deutsche Automaten- und Getrankemaschinen GmbH & Co. KG: *See—*

  Freese, Uwe, 4,817,825, Cl. 222-129.200.

  van Zijverden, Willem, 4,807,783, Cl. 222-129.200.

  van Zijverden, Willem, 4,842,166, Cl. 222-129.200.

D'Agnolo, Armando, to Matics Srl. Device to convey yarn packages. 4,810,155, 3-7-89, Cl. 414-331.000.

Dagon, Alfred P. Door lock with locking pin. 4,844,519, 7-4-89, Cl. 292-57.000.

Dagostine, Leslie J., to Paperboard Industries Corporation. Carton having premium card formed integrally therewith. 4,834,240, 5-30-89, Cl. 206-459.000.

D'Agostino, Alfredo: *See—*

  Agostoni, Alberto; D'Agostino, Alfredo; Craighero, Enrico; and Marazza, Renzo, 4,881,620, Cl. 182-179.000.

D'Agostino, James: *See—*

  Voorhis, Roger J.; Palmer, John M.; Marris, Derrick A.; and D'Agostino, James, 4,796,436, Cl. 62-77.000.

D'Agostino, Riccardo; Cramarossa, Francesco; Fracassi, Francesco; Illuzzi, Francesca; and Caporiccio, Gerardo, to Ausimont S.p.A. Method of coating with polyfluorocarbons. 4,869,922, 9-26-89, Cl. 427-38.000.

D'Agostino, Saverio A.: *See—*

  Longerich, Ernest P.; and D'Agostino, Saverio A., 4,888,663, Cl. 361-385.000.

D'Agosto, Nicholas A., III; Smith, Steven M.; and Jachmann, Emil F., to Dictaphone Corporation. Method and apparatus for creating and storing telephone directory listings. 4,800,582, 1-24-89, Cl. 379-216.000.

D'Agosto, Nicholas A., III; Chamberlin, David B.; Su, Jy-Hong; Jachmann, Emil F.; and Grey, Suzanne N., to Dictaphone Corporation. Programmable telephone/dictation terminal and method of operating same. 4,860,339, 8-22-89, Cl. 379-67.000.

D'Agosto, Nicholas A., III: *See—*

  Chamberlin, David B.; D'Agosto, Nicholas A., III; and Hoffman, Ernest D., 4,817,132, Cl. 379-165.000.

Daguet, Alain P. M.; Glowacki, Pierre A.; and Lassignardie, Herve, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Casing for a turbojet engine combustion chamber. 4,870,826, 10-3-89, Cl. 60-751.000.

Daguio, Gerard N.: *See—*

  Estabrook, Andrew R.; Shook, Laura A.; Daguio, Gerard N.; and Baker, Robert M., 4,846,545, Cl. 350-96.210.

Daharsh, Ross S.: *See—*

  Gilker, Clyde; Dunk, Michael P.; Dolnik, Thomas G.; Daharsh, Ross S.; and Berezinski, Mark A., 4,847,780, Cl. 364-483.000.

Dahbura, Anton T.; Hery, William J.; and Sabnani, Krishan K., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of spare capacity use for fault detection in a multiprocessor system. 4,807,228, 2-21-89, Cl. 371-9.000.

Dahhan, Philippe: *See—*

  Rey, Pierre; Leandri, Jacqueline; and Dahhan, Philippe, 4,804,383, Cl. 623-13.000.

Dahl, Christian; and Dall, Thoge. Scraping conveyor. 4,871,060, 10-3-89, Cl. 198-716.000.

Dahl, Dennis A., to Clark Equipment Company. Oscillation suppressor for self-leveling boom. 4,834,249, 5-30-89, Cl. 212-266.000.

Dahl, Ernest A. Compact storage files. 4,832,195, 5-23-89, Cl. 206-387.000.

Dahl, Ernest A., to United States of America, Navy. Liquid level measurement system for analog and digital readout. 4,857,894, 8-15-89, Cl. 340-619.000.

Dahl, Frank L. Translatory drive linkage type of power transmission apparatus. 4,862,757, 9-5-89, Cl. 74-89.210.

Dahl, Frank L. Vending machine for vending one-at-a-time merchandise articles of a plurality of similar such merchandise objects, each of a substantially rectangular parallelopiped shape, such as a newspaper, magazine, or the like. 4,875,598, 10-24-89, Cl. 221-4.000.

Dahl, Hans: *See—*

  Weisshuhn, Elmer; Bubik, Alfred; Dahl, Hans; Holik, Herbert; Kurtz, Rudiger; Zembrot, Anton; Stotz, Wolf-Gunter; Seider, Werner; and Trondle, Robert, 4,888,094, Cl. 162-198.000.

Dahl, Helmut: *See—*

  Skuballa, Werner; Vorbrueggen, Helmut; Dahl, Helmut; Stuerzebecher, Claus-Steffen; and Thierauch, Karl-Heinz, 4,886,788, Cl. 514-58.000.

Dahl, Ingolf: *See—*

  Lagerwall, Sven T.; Andersson, Gunnar; Dahl, Ingolf; Kuczynski, Wojciech; Sharp, Kent; and Stebler, Bengt, 4,838,663, Cl. 350-350.00S.

Dahl, Klaus J.; Jansons, Viktors; and Moore, Stephen, to Raychem Corporation. Aryl ether ketone copolymers. 4,808,693, 2-28-89, Cl. 528-125.000.

Dahl, Klaus J.; Horner, Patrick J.; Gors, Heinrich C.; Jansons, Viktors; and Whiteley, Richard H., to Raychem Corporation. Novel aromatic polymers. 4,868,271, 9-19-89, Cl. 528-171.000.

Dahl, Randy L., to Motorola, Inc. Air driven whistle generator. 4,849,646, 7-18-89, Cl. 290-1.00R.

Dahlander, Par N. O.; and Tyren, Carl H. Method for the control of a burner equipped with an injector nozzle and an arrangement for executing the method. 4,830,601, 5-16-89, Cl. 431-12.000.

Dahlback, Gunnar, to Advanced Underwater Techology. Device for heat-insulated diving suits for work at great depths under water. 4,820,084, 4-11-89, Cl. 405-186.000.

Dahlbeck, Gary A.: *See—*

  Graiver, Daniel; Kalinowski, Robert E.; and Dahlbeck, Gary A., 4,851,168, Cl. 264-28.000.

Dahlberg, Anders; and Dahlberg, Leif, to Tatis Plasttatningar AB. Method and device for intimate mixing of two components in a package. 4,795,265, 1-3-89, Cl. 366-69.000.

Dahlberg, Carl H. Beneficiator for recovery of metal fractions from particulate gangue. 4,839,034, 6-13-89, Cl. 209-44.000.

Dahlberg, Larry J.: *See—*

  Brackett, John E.; and Dahlberg, Larry J., 4,817,324, Cl. 43-23.000.

Dahlberg, Leif: *See—*

  Dahlberg, Anders; and Dahlberg, Leif, 4,795,265, Cl. 366-69.000.

Dahlby, Larry C., to S. C. Johnson & Son, Inc. Apparatus and method for segregating parts. 4,854,454, 8-8-89, Cl. 209-616.000.

Dahlem, Christopher: *See—*

  Olness, Alan E.; Dahlem, Christopher; and Bohlman, Larry F., 4,816,161, Cl. 210-638.000.

Dahlem, David F. Nozzle lock gas cap. 4,802,516, 2-7-89, Cl. 141-392.000.

Dahlen, Lars M. G.; Larsson, Lars E.; and Othzen, Bo L. A., to AB Volvo. Insulation material and method of applying the same to a component in a combustion engine. 4,862,865, 9-5-89, Cl. 123-669.000.

Dahlgren, Harvey W., to Epic Products International Corp. Apparatus for coating a web with wet ink thereon. 4,836,129, 6-6-89, Cl. 118-46.000.

Dahlgren International, Inc.: *See—*

  DiRico, Mark A.; and Rodriguez, Phillip, 4,825,804, Cl. 118-46.000.

Dahlgren, Lennart. Periscope with one piece housing and mirror holding elements. 4,887,893, 12-19-89, Cl. 350-618.000.

Dahlgren, Richard M.: *See—*

  Medcalf, Ralph F., Jr.; Visscher, Martha O.; Knochel, John R.; and Dahlgren, Richard M., 4,820,447, Cl. 252-117.000.

Dahlgren, Robert P., to Charles Stark Draper Laboratory, Inc., The. Low strain optical fiber coil. 4,883,337, 11-28-89, Cl. 350-96.290.

Dahlin, Dale L.; and Dahlin, Edward D. Flow selector device. 4,869,285, 9-26-89, Cl. 137-270.000.

Dahlin, Edward D.: *See—*

  Dahlin, Dale L.; and Dahlin, Edward D., 4,869,285, Cl. 137-270.000.

Dahlin, Erik B. Fluid measurement apparatus providing flow tube strain relief. 4,803,867, 2-14-89, Cl. 73-32.00A.

Dahlin, Erik B. Coriolis-type mass flowmeter. 4,823,614, 4-25-89, Cl. 73-861.380.

Dahlin, Erik B. Acoustic wave supressor for Coriolis flow meter. 4,831,885, 5-23-89, Cl. 73-861.380.

Dahlke, Hermann; and Willmen, Hans-Rainer, to Ethicon, Inc. Pad-like implant. 4,796,603, 1-10-89, Cl. 128-899.000.

Dahlman, Ervin H. Mole trap. 4,827,662, 5-9-89, Cl. 43-87.000.

Dahlman, Sten, to Industrimekanik I Stockholm AB. Portable drive means supported on a skier. 4,811,669, 3-14-89, Cl. 105-30.000.

Dahlmann, Peter; Jachowski, Johannes; Pant, Paul; and Stein, Gerald, to Fried. Krupp GmbH. Product of a high-strength nitrogen containing fully austenitic cobalt steel having yield strengths above 600 N/MM2. 4,865,661, 9-12-89, Cl. 148-325.000.

Dahlquist, Charles W., II; and North, Vaughn N. Cupholder adaptive device. 4,854,468, 8-8-89, Cl. 220-85.00H.

Dahlquist, Jeffery D.: *See—*

  McNeil, Charles B.; McEvoy, Thomas J.; and Dahlquist, Jeffery D., 4,828,546, Cl. 604-73.000.

Dahlquist, John A., to Measurex Corporation. Rapid-scanning infrared sensor. 4,879,471, 11-7-89, Cl. 250-359.100.

Dahlquist, John A.: *See—*

  Frohardt, Allen; Dahlquist, John A.; and Howarth, John J., 4,830,504, Cl. 356-448.000.

Dahlqvist, Bjarne, to OY BD Produkt AB. Piece of seating furniture convertible to bed. 4,866,795, 9-19-89, Cl. 5-18.00R.

Dahlstrom, Jack A.: *See—*

  Deziel, Edward W.; Rueb, John T.; Sorlien, Mark D.; Dahlstrom, Jack A.; and Ersmann, David W., 4,821,359, Cl. 15-159.00R.

Dahm, Dennis R.: *See—*

  McKay, Robert S.; and Dahm, Dennis R., 4,799,916, Cl. 446-444.000.

Dahm, Horst: *See*—
Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, 4,860,173, Cl. 362-61.000.
Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, 4,866,577, Cl. 362-80.000.
Krug, Martin; Dahm, Horst; and Motting, Gotz, 4,806,713, Cl. 200-85.00A.
Dahm, Manfred: *See*—
Weimann, Norbert; Dahm, Manfred; Nehen, Ulrich; and Schafer, Walter, 4,804,687, Cl. 521-53.000.
Weimann, Norbert; Dahm, Manfred; Nehen, Ulrich; and Schafer, Walter, 4,882,362, Cl. 521-54.000.
Dahm, Ralf: *See*—
Becker, Heinz D.; Bederke, Klaus; Dahm, Ralf; Kerber, Hermann; Sadowski, Fritz; and Stephan, Werner, 4,855,342, Cl. 524-31.000.
Dahm, Wolfram: *See*—
Schopf, Hans-J.; Kizler, Wolfgang; Dahm, Wolfram; and Thom, Rudolf, 4,817,454, Cl. 74-572.000.
Dahmberg, Sven; Jonsson, Elof; Lilius, Per; Olsson, Ingemar; Hesselbom, Hjalmar; and Wennergren, Rolf, to Nitro Nobel AB. Detonator. 4,869,170, 9-26-89, Cl. 102-202.500.
Dahmen, Joseph E., to Cruising Design, Inc. Furling stay cover. 4,821,664, 4-18-89, Cl. 114-107.000.
Dahmen, Theo: *See*—
Klee, Helmut; Haas, Hans; Kowalski, Werner; and Dahmen, Theo, 4,800,055, Cl. 264-118.000.
Dahms, Gerd, to Deutsche ICI GmbH. Composition for personal care product comprising alkoxylated fatty alcohol and polysiloxane. 4,880,563, 11-14-89, Cl. 252-312.000.
Dahms, Ronald H., to Monsanto Company. Maleimide-maleamic acid resin solution. 4,808,646, 2-28-89, Cl. 524-104.000.
Dahms, Ronald H., to Monsanto Company. Maleimide resin composition comprising polyamine, maleimide and maleamic acid. 4,816,512, 3-28-89, Cl. 524-606.000.
Dahms, Ronald H., to Monsanto Company. Polyimide laminates. 4,861,650, 8-29-89, Cl. 428-251.000.
Dahne, Claus: *See*—
Sutherland, Ranald M.; Dahne, Claus; and Revillet, Georges, 4,818,710, Cl. 436-527.000.
Dahne, Cynthia F. Apparatus for connecting containers. 4,856,647, 8-15-89, Cl. 206-5.100.
Dahnert, Dean L., to Spacesaver Corporation. Light bar. 4,810,044, 3-7-89, Cl. 312-223.000.
Dahowski, Donald E.; and Crandall, Scott E., to Quaker Plastic Corporation. Anchor socket jig assembly. 4,829,732, 5-16-89, Cl. 52-298.000.
Dahowski, Donald E., to Quaker Plastic Corporation. Plastic module rigidizing system. 4,873,802, 10-17-89, Cl. 52-184.000.
Dahrendorf, Klaus-Dieter; Huennebeck, Volker; and Hoffman, Wilfried, to Auergesellschaft GmbH. Self-rescuer apparatus. 4,840,170, 6-20-89, Cl. 128-202.260.
Dai, Eugene P.: *See*—
Lewis, Paul H.; Dai, Eugene P.; and Holst, Edward H., 4,798,819, Cl. 502-304.000.
Dai-Ichi Kogyo Seiyaku Co., Ltd.: *See*—
Chujo, Noboru; and Mori, Shigeo, 4,845,186, Cl. 528-272.000.
Ibuki, Masahisa; Sugai, Hiroshi; and Wakui, Masanori, 4,863,754, Cl. 426-643.000.
Maki, Hirohisa; and Suzuki, Eiichiro, 4,882,112, Cl. 264-109.000.
Taniuchi, Akira; Komori, Hirohito; and Niwa, Koichi, 4,883,843, Cl. 525-327.600.
Watanabe, Akio; and Doyama, Toshiaki, 4,831,098, Cl. 528-45.000.
Yokota, Kinya; and Ichihara, Akinobu, 4,814,514, Cl. 568-608.000.
Dai-Ichi Seiko Co., Ltd.: *See*—
Konishi, Akira; and Wakano, Teruo, 4,823,234, Cl. 361-386.000.
Dai-ichi Seiko Kabushiki Kaisha: *See*—
Mogi, Hiroyuki; and Ozawa, Kazuhisa, 4,799,897, Cl. 439-264.000.
Mogi, Hiroyuki; and Ozawa, Kazuhisa, 4,872,850, Cl. 439-264.000.
Dai Nippon Ink and Chemicals Inc.: *See*—
Sato, Onshiro, 4,814,794, Cl. 346-140.00R.
Dai Nippon Insatsu Kabushika Kaisha: *See*—
Hida, Yoshiaki; Ishihara, Satoshi; Take, Seiji; Gogami, Masao; and Suzuki, Toshiyuki, 4,841,134, Cl. 235-488.000.
Dai Nippon Insatsu Kabushiki Kaisha: *See*—
Ashizawa, Kenji; and Uematsu, Hiroshi, 4,795,065, Cl. 222-541.000.
Ishii, Taiji; and Shibata, Masayuki, 4,871,503, Cl. 264-248.000.
Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
Kawasaki, Sadanobu; Yamauchi, Mineo; and Akada, Masanori, 4,820,687, Cl. 503-227.000.
Kishida, Hideo, 4,859,027, Cl. 350-128.000.
Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Egashira, Noritaka; Iwata, Tamami; and Satake, Naoto, 4,837,200, Cl. 503-227.000.
Kubota, Yasuo; Kani, Nobumoto; Okawa, Kazutaka; Tobita, Takuo; and Miyasaka, Tsuneo, 4,817,005, Cl. 364-468.000.
Okabe, Mitsuo; Tomita, Hirohito; and Kubo, Shoichi, 4,818,588, Cl. 428-201.000.
Takeda, Mitsuru; and Kuramochi, Wataru, 4,816,362, Cl. 430-14.000.
Takeuchi, Satoshi; Danjo, Koutaro; Tahara, Shigehiko; Yui, Yoshiharu; and Ikeda, Satoshi, 4,856,857, Cl. 350-3.600.
Uchiyama, Takashi; Homma, Yuji; Sakamoto, Tetsuya; Horiguchi, Satoru; Mizuno, Mikizo; and Obata, Hiroyuki, 4,814,891, Cl. 358-296.000.
Yamakawa, Noboru; and Yamauchi, Mineo, 4,883,234, Cl. 24 67.30R.
Dai Nippon Printing Co., Ltd.: *See*—
Kenichi, Mizuno, 4,803,923, Cl. 101-365.000.
Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.
Daicel Chemical Industries Ltd.: *See*—
Bartmann, Martin; and Ikeda, Naoki, 4,873,310, Cl. 528-208.000.
Cattani, Augusto, 4,824,083, Cl. 269-15.000.
Funaki, Yoshinori, 4,853,922, Cl. 369-72.000.
Goto, Yukihisa; Masamoto, Kazuhisa; Yagihara, Hiroshi; Morishima, Yasuo; and Osabe, Hirokazu, 4,844,732, Cl. 71-94.000.
Higo, Yakichi; and Morimoto, Hiroshi, 4,820,910, Cl. 235-439.000.
Hinenoya, Masayoshi; and Endo, Mamoru, 4,830,789, Cl. 660-546.000.
Izuka, Akihiro; Onizawa, Yoshio; and Yamashita, Mitsuru, 4,841,501, Cl. 369-13.000.
Kanno, Tatsuya; Takahashi, Ikuo; Sasaki, Kenichi; Habe, Tsuyoshi; and Sei, Tsuyoshi, 4,831,110, Cl. 528-204.000.
Koga, Kunio; Shima, Koji; and Samejima, Mutsumi, 4,883,912, Cl. 562-608.000.
Kotani, Motoharu; Ishikawa, Shinzo; and Sato, Keishi, 4,808,46 Cl. 428-254.000.
Murabayashi, Katsuyoshi; and Mitani, Katsuyoshi, 4,877,816, Cl. 521-92.000.
Murabayashi, Katuyoshi, 4,839,424, Cl. 525-92.000.
Murabayashi, Katuyoshi, 4,871,804, Cl. 525-92.000.
Murai, Takaaki; Watanabe, Shoji; Inoue, Kimio; Isobe, Tomoharu; Nakashima, Naoki; Miho, Takuya; and Ikemoto, Yoshiyuki, 4,835,213, Cl. 525-36.000.
Murai, Takaaki; and Sakai, Katsuhisa, 4,841,017, Cl. 525-327.300.
Namikoshi, Hajime; and Goto, Tatsuo, 4,877,617, Cl. 424-409.000.
Namikoshi, Hajime; Shibata, Tohru; and Okamoto, Ichiro, 4,879,038, Cl. 210-635.000.
Ohtake, Etsuo; Yamaki, Kaoru; and Kuroda, Takayuki, 4,878,971, Cl. 156-85.000.
Okamoto, Yoshio; Hatada, Koichi; Shibata, Tohru; Okamoto, Ichiro; and Nakamura, Hiroyuki, 4,818,394, Cl. 210-198.200.
Okamoto, Yoshio; and Hatada, Koichi, 4,861,872, Cl. 536-18.700.
Sato, Kazuo; Yamasaki, Noritsugu; and Takase, Ichirou, 4,845,30 Cl. 568-310.000.
Shibata, Tohru; Namikoshi, Hajime; and Okamoto, Ichiro, 4,830,752, Cl. 210-635.000.
Takenaka, Fumio; Tohya, Kouzi; and Ohtsuka, Yoshihiro, 4,885,229, Cl. 430-285.000.
Tanaka, Yasutaka; Kojima, Hidetaka; and Tsuji, Yasuo, 4,843,172, Cl. 562-406.000.
Tsuda, Kenzi, 4,818,797, Cl. 525-329.900.
Tsukane, Nagayoshi; and Sato, Masaru, 4,831,608, Cl. 369-14.000.
Yagihara, Hiroshi; Goto, Yukihisa; Masamoto, Kazuhisa; Morishima, Yasuo; and Osabe, Hirokazu, 4,886,546, Cl. 71-88.000.
Yuki, Yoichi; Okamoto, Ichiro; Shibata, Tohru; and Nakamura, Hiroyuki, 4,846,968, Cl. 210-198.200.
Daicho, Hiroyuki: *See*—
Umehara, Teruo; Daicho, Hiroyuki; and Taketomi, Seiki, 4,888,506, Cl. 310-13.000.
Daicolo Co., Ltd.: *See*—
Ota, Kenshiro; and Namiki, Yoshio, 4,888,606, Cl. 354-76.000.
Daicolo Electron Optic Instr. Inc.: *See*—
Matsumoto, Hajime, 4,888,605, Cl. 354-75.000.
Daido Metal Company Ltd.: *See*—
Iijima, Yoshio, 4,796,457, Cl. 72-370.000.
Mori, Sanae, 4,795,220, Cl. 384-420.000.
Mori, Sanae, 4,832,801, Cl. 204-37.300.
Muto, Takashi, 4,877,696, Cl. 428-645.000.
Daido Sangyo Co., Ltd.: *See*—
Nakahashi, Yoshinao; Osada, Soichi; Shimizu, Chuji; and Ichida, Shinshichi, 4,852,572, Cl. 128-640.000.
Daido Sanso K.K.: *See*—
Fraas, Lewis M.; McLeod, Paul S.; and Cape, John A., 4,829,0 Cl. 437-81.000.
Fraas, Lewis M.; McLeod, Paul S.; and Cape, John A., 4,838,2 Cl. 118-719.000.
Daido Steel Sheet Corporation: *See*—
Fujii, Haruki; Miyawaki, Isao; Sakai, Motoomi; Kanazawa, Fumio; and Watanabe, Tadahiko, 4,863,794, Cl. 428-325.000.
Daido Tokushuko Kabushiki Kaisha: *See*—
Aoki, Hiroyuki; Yahagi, Shinichiro; and Saito, Takanori, 4,840,073, Cl. 73-862.360.
Fukizawa, Kazunori; Higuchi, Mitsushi; and Namiki, Kunio, 4,838,961, Cl. 148-12.400.
Kato, Tetsuo; Abeyama, Shozo; and Saito, Makoto, 4,842,818, Cl. 420-100.000.
Kimura, Atsuyoshi; Nakamura, Sadayuki; and Saito, Makoto, 4,806,304, Cl. 420-84.000.
Kimura, Atsuyoshi; and Nakamura, Sadayuki, 4,810,465, Cl. 420-417.000.
Kimura, Atsuyoshi; and Shibata, Noriyoshi, 4,837,108, Cl. 420-41.000.
Nishiyama, Yukio; Miyashita, Takuya; Noda, Toshiharu; and Isobe, Susumu, 4,849,168, Cl. 420-418.000.
Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, 4,795,609, Cl. 420-109.000.
Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, 4,810,287, Cl. 75-49.000.

Takagi, Yoshiaki; Isobe, Susumu; and Matsunaga, Kenkichi, 4,871,512, Cl. 420-448.000.
Daido, Toshihiko; Fujiwara, Mitsugu; and Nishimura, Shigeo, to Koyo Seiko Co., Ltd. Power steering system incorporating electric motor. 4,871,039, 10-3-89, Cl. 180-79.100.
Daido, Yoshimasa: *See*—
Takenaka, Sadao; Aono, Yoshihito; Iwamatsu, Takanori; Minowa, Morihiko; Daido, Yoshimasa; and Nakamura, Hiroshi, 4,860,316, Cl. 375-39.000.
Daidoh, Yoshimasa: *See*—
Sakane, Toshiaki; Takenaka, Sadao; Minowa, Morihiko; Aono, Yoshihito; and Daidoh, Yoshimasa, 4,809,298, Cl. 375-17.000.
Daidotokushuko Kabushiki Kaisha: *See*—
Hatsutori, Seiji, 4,818,167, Cl. 411-386.000.
Tsunashima, Shigeru, 4,799,114, Cl. 360-59.000.
Daidousanso Co., Ltd.: *See*—
Yoshino, Akira, 4,853,015, Cl. 62-40.000.
D'Aiello, Robert V.: *See*—
Carlson, David E.; Dickson, Charles R.; and D'Aiello, Robert V., 4,854,974, Cl. 136-244.000.
Daifoil Company, Ltd.: *See*—
Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,857,396, Cl. 428-315.500.
Daifuki, Co., Ltd.: *See*—
Takeuchi, Toshiyuki; and Tsuneta, Masayuki, 4,841,869, Cl. 104-292.000.
Daifuku Co., Ltd.: *See*—
Fujita, Shigeyoshi; Sasaki, Tomoyuki; Fukuhara, Kazuyoshi; and Nishikawa, Hiroshi, 4,823,704, Cl. 104-247.000.
Ishida, Hideo; Moriya, Susumu; Taya, Takuo; and Shimokata, Hiroshi, 4,817,750, Cl. 180-168.900.
Katsuragi, Hifumi; Fujio, Yoshihiko; and Ogita, Kazuyoshi, 4,815,588, Cl. 198-781.000.
Daifuku, Hideharu: *See*—
Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.
Daigger, Glen T.; Borberg, James R.; and Morales, Liliana M., to Hampton Roads Sanitation District of the Commonwealth of Virginia. High-rate biological waste water treatment process using activated sludge recycle. 4,867,883, 9-19-89, Cl. 210-605.000.
Daigle, Clement; and Gonthier, Emile, to Les Industries Fortier Ltee. Method for installing gasket in a poured concrete structure. 4,842,785, 6-27-89, Cl. 269-35.000.
Daigle, Clement; and Gonthier, Emile, to Les Industries Fortier Ltee. Apparatus for forming an opening with a gasket in a masonry manhole. 4,854,543, 8-8-89, Cl. 249-95.000.
Daigle, Emanuel L., to Dow Chemical Company. The Water vapor addition for gas chromatography, and gas chromatographs. 4,806,315, 2-21-89, Cl. 422-89.000.
Daigle, Roland P.; Quevedo del Rio, Federico; and Lopez, Javier O., to Combustion Engineering, Inc. Feedwater sparger assembly. 4,834,935, 5-30-89, Cl. 376-292.000.
Daigle, Ronald E.: *See*—
Hwang, Juin-Jet; Hurt, William A.; and Daigle, Ronald E., 4,887,306, Cl. 382-54.000.
Daigne, Bernard: *See*—
Slodzian, Georges; Daigne, Bernard; and Girard, Francois, 4,801,849, Cl. 315-111.810.
Daiho Construction Co., Ltd.: *See*—
Hagimoto, Hakumi; Kashima, Yutaka; Kondo, Norio; and Inoue, Masami, 4,797,031, Cl. 405-133.000.
Daiichi Denshi Kogyo Kabushiki Kaisha: *See*—
Kuboi, Sadao; and Ohtsuki, Tomonari, 4,797,122, Cl. 439-589.000.
Ohtsuka, Hiroo; Hara, Osamu; Hori, Akira; and Nodoa, Minoru, 4,854,889, Cl. 439-395.000.
Ohtsuki, Tomonari; Igarashi, Yoshiaki; Uno, Toru; and Tanaka, Yoshiaki, 4,843,221, Cl. 235-441.000.
Daiichi Pure Chemicals Co., Ltd.: *See*—
Ushizawa, Koji; Maki, Akemichi; Akimoto, Toshiyuki; Nagasaki, Senkichi; and Hirata, Miyoshi, 4,816,394, Cl. 435-26.000.
Ushizawa, Koji, 4,889,801, Cl. 435-25.000.
Daiichi Seiyaku Co., Ltd.: *See*—
Fujiwara, Toshihiro; Tsurumi, Hideaki; and Sato, Yukio, 4,880,926, Cl. 544-105.000.
Furukawa, Minoru; Tagawa, Hiroaki; Hayano, Takeshi; and Ejima, Akio, 4,833,242, Cl. 540-225.000.
Hayakawa, Isao; Atarashi, Shohgo; Yokohama, Shuichi; and Imamura, Masazumi, 4,871,852, Cl. 544-363.000.
Ikada, Junji; and Mano, Eiko, 4,873,227, Cl. 514-47.000.
Kitagawa, Masayuki; and Tanaka, Makoto, 4,841,076, Cl. 549-401.000.
Kobayashi, Setsuo; Nakazawa, Tsugio; Yoshie, Yasumasa; Abiko, Yasushi; and Kameda, Kinya, 4,874,772, Cl. 514-341.000.
Nerome, Kuniaki; Oya, Akira; Ohkuma, Kunio; and Inoue, Atsuo, 4,826,687, Cl. 424-450.000.
Daijyo, Masakatsu: *See*—
Hirose, Kenji; Sugishima, Eiichi; and Daijyo, Masakatsu, 4,819,157, Cl. 363-56.000.
Daiken Industries, Ltd.: *See*—
Nagata, Yasuhiro; and Fujimura, Hidetaka, 4,871,440, Cl. 204-403.000.
Daiken Kogyo Kabushiki Kaisha: *See*—
Matsuoka, Akira; and Asano, Kazuhiko, 4,826,516, Cl. 55-388.000.
Daiken Trade & Industry Co., Ltd.: *See*—
Yoshimi, Satoshi; Matsuoka, Akira; and Asano, Kazuhiko, 4,818,602, Cl. 428-304.400.
Yoshimi, Satoshi; and Koga, Youichiro, 4,860,506, Cl. 52-144.000.
Yoshimi, Satoshi; and Koga, Yoichiro, 4,888,927, Cl. 52-303.000.
Daikin Industries, Ltd.: *See*—
Amimoto, Yoshio; Shinjo, Masayoshi; Hayashi, Kazunori; and Enomoto, Takashi, 4,795,793, Cl. 526-243.000.
Hisanaga, Yorisato; Shimokawa, Kazuhiro; Kawano, Toshihiko; Suita, Yasunori; and Yamashita, Tsuneo, 4,876,245, Cl. 514-29.000.
Kubo, Motonobu; and Shimizu, Yoshiki, 4,873,375, Cl. 568-812.000.
Mikoshi, Tadafumi; Oka, Hitoshi; and Fukuda, Akira, 4,828,451, Cl. 414-680.000.
Miura, Kazuo; Kang, Yoon M.; Taneya, Shoichi; Noguchi, Satoshi; and Sakitani, Katsumi, 4,827,736, Cl. 62-51.100.
Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, 4,810,766, Cl. 526-279.000.
Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, 4,832,712, Cl. 55-158.000.
Ohmori, Akira; and Yasuhara, Takashi, 4,871,820, Cl. 526-245.000.
Ohsaka, Yohnosuke; Tohzuka, Takasni; and Takaki, Shoji, 4,845,268, Cl. 560-184.000.
Ohsaka, Yohnosuke; Takaki, Shoji; and Sakai, Hiroo, 4,886,581, Cl. 203-80.000.
Okamura, Kazuo; Kitamura, Ikuo; Aomi, Hideki; Koyama, Satoshi; Tokunaga, Katsushi; Shibuya, Yoshiyuki; and Daimon, Shiego, 4,842,759, Cl. 252-62.510.
Okochi, Kastuhiko; Toya, Mitsuo; Naito, Masahito; Inoue, Yoshiaki; and Egusa, Takahiro, 4,812,997, Cl. 364-505.000.
Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,854,131, Cl. 62-51.200.
Sako, Junichi; and Kanenobu, Muneaki, 4,807,479, Cl. 73-730.000.
Shimizu, Tetsuo; and Hosokawa, Kazutaka, 4,840,998, Cl. 525-276.000.
Takei, Toshitaka; and Funatsu, Tsunemasa, 4,827,867, Cl. 118-64.000.
Tamaru, Sinji; and Kubo, Motonobu, 4,841,005, Cl. 526-245.000.
Tamaru, Sinji; and Kubo, Motonobu, 4,841,093, Cl. 560-65.000.
Tamaru, Sinji; Kubo, Motonobu; and Kashiwagi, Masato, 4,877,859, Cl. 528-129.000.
Tatemoto, Masayoshi; and Yagi, Toshiharu, 4,826,435, Cl. 433-199.100.
Tatemoto, Masayoshi; Yutani, Yuji; and Fujiwara, Koji, 4,861,836, Cl. 525-276.000.
Tatsukami, Yoshiharu; Doi, Toshiki; and Oka, Masahiko, 4,812,011, Cl. 350-96.340.
Tohzuka, Takashi; Ishikawa, Sueyoshi; Kubo, Katsuyoshi; Honda, Yoshitaka; Ohmure, Yukio; and Kataoka, Norio, 4,836,944, Cl. 252-54.000.
Tsukuda, Hiroshi, 4,815,657, Cl. 236-47.000.
Yagi, Toshiharu; Sakuma, Hiromichi; and Saito, Jouji, 4,810,294, Cl. 106-35.000.
Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.
Yamamoto, Katsutoshi; and Honda, Norimasa, 4,830,062, Cl. 138-177.000.
Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Yoshizawa, Toru; Kawano, Toshihiko; and Iwai, Hiroyuki, 4,810,790, Cl. 544-311.000.
Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Tanaka, Kunitada; and Hisanaga, Yorisato, 4,847,366, Cl. 536-23.000.
Yoshimura, Tatsushiro; Tomihashi, Nobuyuki; and Shimasaki, Shuhei, 4,853,425, Cl. 524-83.000.
Daikin Kogyo Co., Ltd.: *See*—
Fukui, Shosin; Shijo, Masayoshi; and Aoyama, Hirokazu, 4,835,300, Cl. 560-25.000.
Fukui, Shosin; Shinjo, Masayoshi; and Aoyama, Hirokazu, 4,840,675, Cl. 106-38.220.
Ohsaka, Yohnosuke; and Sonoyama, Heikitsu, 4,825,014, Cl. 570-144.000.
Yoshimura, Tatsushiro; Tomihashi, Nobuyuki; and Terada, Tsutomu, 4,842,940, Cl. 428-422.000.
Daikoku, Akihiro, to Sharp Kabushiki Kaisha. Optical system for copier. 4,854,672, 8-8-89, Cl. 350-255.000.
Daikoku, Kazuhiro; and Ogose, Shigeaki, to Nippon Telegraph and Telegraph Corporation. SSB communication system. 4,803,739, 2-7-89, Cl. 455-47.000.
Daikoku, Takahiro: *See*—
Nakajima, Tadakatsu; Nakayama, Wataru; Oohashi, Shigeo; Kuwabara, Heikichi; and Daikoku, Takahiro, 4,823,863, Cl. 165-80.400.
Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, 4,872,606, Cl. 228-121.000.
Daikoku, Takashi: *See*—
Masuyama, Fujimitsu; Daikoku, Takashi; Haneda, Hisao; Yoshikawa, Kunihiko; Teranishi, Hiroshi; and Iseda, Atsuro, 4,799,972, Cl. 148-14.000.
Daiku, Yoshiharu: *See*—
Oinuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yo-

- shiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.
- Daikuhara, Norio: *See*—
  - Yamaguchi, Shuichiro; Daikuhara, Norio; and Shimomura, Takeshi, 4,839,020, Cl. 204-431.000.
  - Yamaguchi, Shuichiro; Daikuhara, Norio; and Shimomura, Takeshi, 4,871,442, Cl. 204-418.000.
- Dailey, David C.; and Mott, Richard B., to Princeton Gamma Tech., Inc. Apparatus and method for processing digital images. 4,825,388, 4-25-89, Cl. 364-518.000.
- Dailey, George F.; and Morrison, Paul E., to Westinghouse Electric Corp. Rotor-in-stator examination magnetic carriage and positioning apparatus. 4,803,563, 2-7-89, Cl. 358-100.000.
- Dailey, George F., to Westinghouse Electric Corp. Nuclear reactor fuel assembly mixing vane repair method. 4,832,901, 5-23-89, Cl. 376-261.000.
- Dailey, George F.: *See*—
  - Jaafar, Hamedo A.; Katzor, Karl A.; Rethage, Wilbert B.; Pompa, Gerard A.; Dailey, George F.; and Guenther, Paul, 4,889,000, Cl. 73-865.800.
  - Morrison, Paul E.; Stout, George H.; Dailey, George F.; and Fischer, Mark W., 4,811,091, Cl. 358-100.000.
  - Wood, John D.; Savinell, Alan; Roth, Charles H., Jr.; Ellingson, Frederick J.; and Dailey, George F., 4,822,554, Cl. 376-261.000.
- Dailey, Jack H. Bait station for rodents and the like. 4,825,581, 5-2-89, Cl. 43-131.000.
- Dailey Petroleum Services, Corp.: *See*—
  - Evans, Robert W., 4,844,183, Cl. 175-296.000.
- Dailey, Robert, III, to IFC Non-Wovens, Inc. Flexible dispenser packet for pre-moistened towelettes. 4,863,064, 9-5-89, Cl. 221-48.000.
- Dailmer-Benz Aktiengesellschaft: *See*—
  - Burckhardt, Manfred; Brugger, Franz; and Faulhaber, Andreas, 4,861,118, Cl. 303-110.000.
- Daily, Donald Y.: *See*—
  - Emplit, Raymond H.; and Daily, Donald Y., 4,819,483, Cl. 73-304.00C.
- Daily Instruments, Inc.: *See*—
  - Daily, Jeffrey N.; Orr, Bruce B.; and Martinez, Guillermo J., 4,848,927, Cl. 374-208.000.
- Daily, Jeffrey N.; Orr, Bruce B.; and Martinez, Guillermo J., to Daily Instruments, Inc. Thermocouple containment chamber. 4,848,927, 7-18-89, Cl. 374-208.000.
- Daily, Joseph V., to Union Carbide Corporation. In-situ pipeline coating system. 4,798,474, 1-17-89, Cl. 118-408.000.
- Daimatsu Kagaku Kogyo Co., Ltd.: *See*—
  - Matsuguchi, Tadashi; and Matsuguchi, Noboru, 4,826,213, Cl. 283-108.000.
- Daimer, Wolfgang: *See*—
  - Staritzbichler, Werner; Dworak, Gert; and Daimer, Wolfgang, 4,871,807, Cl. 525-113.000.
- Daimler Benz AG: *See*—
  - Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,886,140, Cl. 180-197.000.
- Daimler-Benz Aktiengesellschaft: *See*—
  - Ableitner, Erich, 4,802,448, Cl. 123-90.550.
  - Abthoff, Joerb; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, 4,852,349, Cl. 60-303.000.
  - Abthoff, Joerg; Schuster, Hans-Dieter; Schmidt, Karlwalter; Wollenhaupt, Gottfried; and Schmitz, Hans-Georg, 4,824,363, Cl. 432-222.000.
  - Abthoff, Joerg; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, 4,876,852, Cl. 60-275.000.
  - Abthoff, Jorg; Fortnagel, Manfred; Fricker, Ludwig; Kutschera, Immanuel; Kramer, Michael; and Kuhn, Michael, 4,836,161, Cl. 123-299.000.
  - Alt, Claus-Christian; Gobel, Rudolf; Koch, Heinz; Niechoj, Wolfgang; Grossmann, Theodor; and Deffner, Felix, 4,877,258, Cl. 277-212.0FB.
  - Augustin, Ulrich, 4,824,341, Cl. 417-499.000.
  - Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Gedig, Alfred; Klink, Josef; and Koucky, Antonin, 4,805,481, Cl. 74-528.000.
  - Baumann, Karl-Heinz, 4,836,321, Cl. 180-232.000.
  - Baumert, Heinz, 4,842,321, Cl. 296-97.100.
  - Bergmann, Horst; Daudel, Helmut; Brandner, Burkhard; and Klueppel, Klemens, 4,843,558, Cl. 364-431.030.
  - Beutin, Ulrich; Korte, Richard; and Wehr, Jurgen, 4,869,480, Cl. 267-273.000.
  - Bopp, Stefan, 4,799,571, Cl. 180-294.000.
  - Britze, Manfred, 4,819,771, Cl. 188-299.000.
  - Bruhnke, Ulrich; Korber, Jurgen; and Jobmann, Ingo, 4,838,599, Cl. 296-37.900.
  - Bruhnke, Ulrich; Korber, Jurgen; Fischer, Helmut; Jobmann, Ingo; Feichtiger, Dieter; Deischl, Hans; Weikert, Gunther; Schumacher, Josef; and Claor, Klaus, 4,848,509, Cl. 180-287.000.
  - Buhl, Horst; Kleinekathofer, Wolfgang; and Tank, Eggert, 4,811,701, Cl. 123-188.0AA.
  - Burckhardt, Manfred; and Zimmer, Richard, 4,826,257, Cl. 303-111.000.
  - Christ, Hubertus; Niemann, Klaus; and Mehren, Herbert, 4,836,475, Cl. 246-169.00R.
  - Doncker, Francis; Helber, Rolf; Welzel, Gerhard; and Bung, Richard, 4,852,533, Cl. 123-192.00R.
  - Eckert, Dieter; Henseler, Wolfgang; and Luetze, Hans, 4,811,51 Cl. 49-145.000.
  - Epple, Anton; Trube, Hans; and Pfeiffer, Martin, 4,817,236, C 15-250.340.
  - Faust, Eberhard; Bossert, Heinz; Niethammer, Kurt; and Ohlhausen, Otto, 4,798,416, Cl. 297-452.000.
  - Feichtiger, Dieter; Waschitschek, Franz; Motting, Gotz; Muninger, Walter; and Deischl, Hans, 4,815,306, Cl. 70-240.000.
  - Feichtiger, Dieter; Neuffer, Klaus; Biber, Wolfgang; Freitag, Elmar; Corbier, Jean P.; and Dragoni, Christian, 4,830,054, C 137-884.000.
  - Ferrada, Stephen, 4,838,076, Cl. 73-489.000.
  - Freitag, Elmar; Weller, Karl-Heinz; and Trube, Hans-Wilhelm, 4,840,113, Cl. 98-2.000.
  - Freiwald, Wolfgang; and Ebert, Horst, 4,844,278, Cl. 220-1.00V.
  - Fricker, Ludwig, 4,811,700, Cl. 123-198.00E.
  - Frotschner, Eberhard; Merkle, Hans; and Worner, Otto, 4,825,521, Cl. 29-156.40R.
  - Fussnegger, Wolfgang; Rieth, Egon; Koucky, Antonin; and Hector, Bernd, 4,842,318, Cl. 296-65.100.
  - Gaus, Hermann; Jurgens, Gunter; and Greiner, Albrecht, 4,823,645, Cl. 74-866.000.
  - Gimmler, Helmut, 4,881,174, Cl. 364-484.000.
  - Guenther, Michael; and Hufendiek, Ernst-Wilhelm, 4,863,594, C 210-248.000.
  - Gutfleisch, Siegfried; Hopsch, Gerhard; and Kleinschmit, Einhart, 4,886,481, Cl. 464-162.000.
  - Hafner, Gunther; Noreikat, Karl-Ernst; and Bauer, Bernhard, 4,829,962, Cl. 123-425.000.
  - Haussermann, Gerd, 4,886,251, Cl. 267-140.100.
  - Haussermann, Gerd, 4,886,252, Cl. 267-140.100.
  - Heber, Klaus, 4,811,630, Cl. 74-752.00A.
  - Heimbrodt, Klaus-J.; Simon, Dieter; Feichtiger, Dieter; Kneib, Rudi; Weikert, Gunther; Schneider, Wolfgang; Hoffmann, Ruediger; and Reinhard, Theodor, 4,827,976, Cl. 137-606.000.
  - Heinle, Dieter; and Volz, Wolfgang, 4,848,444, Cl. 165-21.000.
  - Heinze, Reinhard; Morgenthaler, Klaus; Maiwald, Ines; and Kroenert, Wolfgang, 4,810,677, Cl. 501-95.000.
  - Herzog, Siegfried; Eckert, Dieter; and Bausch, Max, 4,840,475, C 350-604.000.
  - Hiereth, Hermann; and Messerschmidt, Dieter, 4,803,969, C 123-561.000.
  - Hoffmann, Friedrich; and Scheller, Franz X., 4,802,689, C 280-688.000.
  - Hoffmann, Ruediger; Feichtiger, Dieter; and Schwerdt, Paul, 4,796,662, Cl. 137-596.160.
  - Hoffmann, Ruediger; Feichtiger, Dieter; Schumacher, Josef; Haller, Peter H.; and Heimbrodt, Klaus-J., 4,811,562, Cl. 60-370.00
  - Holzhauer, Horst; Weikert, Gunther; Kneib, Rudi; Polic, Marko; Robitschko, Peter; and Reinhard, Theodor, 4,866,416, C 340-426.000.
  - Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, 4,860,173, C 362-61.000.
  - Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, 4,866,577, C 362-80.000.
  - Katz, Egon; Bossenmaier, Alban; and Barmbilla, Luigi, 4,840,1 Cl. 280-739.000.
  - Klie, Wolfgang; Fischer, Wolfgang; Tomforde, Johann; Klein Horst; and Ellenrieder, Gunther, 4,826,226, Cl. 293-120.000.
  - Klink, Josef; and Maier, Ulrich, 4,838,509, Cl. 248-393.000.
  - Konzmann, Rainer; Ohlhausen, Otto; Schmitt, Joachim; Koucky, Antonin; and Klink, Josef, 4,886,317, Cl. 297-417.000.
  - Korber, Jurgen; Arold, Klaus; and Bossenmaier, Alban, 4,834,4 Cl. 280-732.000.
  - Kotzab, Werner; and Zielke, Horst, 4,840,150, Cl. 123-90.390.
  - Koukal, Heinz; Arold, Klaus; and Grimm, Hermann, deceased, 4,795,090, Cl. 236-49.000.
  - Koukal, Heinz; and Arold, Klaus, 4,838,110, Cl. 74-502.600.
  - Krohn, Hellmut; and Frank, Jurgen, 4,849,891, Cl. 364-426.000.
  - Krug, Martin; Dahm, Horst; and Motting, Gotz, 4,806,713, C 200-85.00A.
  - Kuerschner, Michael; Juergens, Gunter; and Greiner, Albrecht, 4,811,224, Cl. 364-424.100.
  - Kunzer, Adolf; and Klaiber, Thomas, 4,852,429, Cl. 74-866.000.
  - Lay, Kurt; and Sailer, Erwin, 4,840,551, Cl. 425-12.000.
  - Lay, Kurt; and Sailer, Erwin, 4,851,169, Cl. 264-36.000.
  - Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, 4,796,1 Cl. 180-197.000.
  - Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, 4,804,0 Cl. 180-197.000.
  - Leiber, Heinz, 4,809,807, Cl. 180-197.000.
  - Leiber, Heinz, 4,821,606, Cl. 74-866.000.
  - Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, 4,824,1 Cl. 303-110.000.
  - Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, 4,824,1 Cl. 303-110.000.
  - Leiber, Heinz; and Ohnemuller, Hans-Joachim, 4,841,446, C 364-426.020.
  - Leiber, Heinz; and Resch, Reinhard, 4,846,534, Cl. 303-115.000.
  - Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,850,446, Cl. 180-197.000.
  - Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,856,610, Cl. 180-197.000.
  - Leiber, Heinz, 4,875,338, Cl. 60-550.000.
  - Leiber, Heinz; and Resch, Reinhard, 4,877,296, Cl. 303-115.000.

  - Leistenschneider, Raimund; Neuffer, Klaus; and Frey, Egon, 4,821,018, Cl. 340-471.000.
  - Leschke, Harald; Baumert, Heinz; and Kneib, Rudi, 4,821,668, Cl. 116-28.00R.
  - Lutze, Norbert, 4,886,531, Cl. 55-244.000.
  - Matthias, Klaus; Disson, Arno; Schick, Gerald; Baumann, Karl-Heinz; and Euteneuer, Albert, 4,830,402, Cl. 280-756.000.
  - Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disson, Arno; Moller, Hermann; Seel, Holger; Topfer, Claus; Nerger, Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, Cl. 280-756.000.
  - Mertin, Ralf; Claar, Klaus; Schilling, Jan; Schrader, Jurgen; Seel, Holger; Staiger, Helmut; Mangold, Artur; and Zweigart, Gerhard, 4,815,775, Cl. 292-201.000.
  - Munz, Rudolf; Kurzmann, Peter; and Faas, Ute, 4,847,160, Cl. 428-447.000.
  - Nisi, Dieter; and Paul, Helmut, 4,886,105, Cl. 164-16.000.
  - Notz, Wolfgang; Schwarz, Volker; and Augustin, Ulrich, 4,840,060, Cl. 73-119.00A.
  - Oblaender, Kurt; Abthoff, Joerg; and Schmidt, Karlwalter, 4,829,963, Cl. 123-436.000.
  - Oeffling, Heiner; Bohringer, Harald; Scheurenbrand, Dieter; and Wawra, Helmut, 4,869,283, Cl. 137-43.000.
  - Ohrle, Rolf; Herlemann, Werner; and Parisch, Jochen, 4,805,959, Cl. 296-216.000.
  - Papenhagen, Dieter; Klemm, Eberhard; and Steilner, Aurel, 4,846,012, Cl. 74-512.000.
  - Peitsmeier, Karl; and Schremmer, Gottfried, 4,798,067, Cl. 70-252.000.
  - Peitsmeier, Karl; and Patzelt, Helmut, 4,840,386, Cl. 277-212.0FB.
  - Peitsmeier, Karl; and Steinkamper, Reinhard, 4,854,142, Cl. 70-186.000.
  - Pfeiffer, Klaus; Pieper, Andreas; Scholz, Hans-Jurgen; Jahn, Walter; and Gimbel, Jurgen, 4,795,191, Cl. 280-808.000.
  - Resch, Reinhard, 4,802,712, Cl. 303-114.000.
  - Resch, Reinhard, 4,836,617, Cl. 303-100.000.
  - Resch, Reinhard, 4,885,910, Cl. 60-562.000.
  - Robitschko, Peter; Kneib, Rudi; and Polic, Marko, 4,805,233, Cl. 455-346.000.
  - Robitschko, Peter; Claar, Klaus; Deischl, Hans; and Schumacher, Josef, 4,887,065, Cl. 340-430.000.
  - Roller, Traugott, 4,811,451, Cl. 15-250.040.
  - Roller, Traugott, 4,874,198, Cl. 296-192.000.
  - Sacco, Bruno; Gallitzendorfer, Josef; Klein, Michael V.; Janz, Gerhard; and Ernst, Alfred, 4,805,962, Cl. 297-454.000.
  - Scarpatetti, Diether V.; and Sahm, Dietrich, 4,820,168, Cl. 439-33.000.
  - Schereer, Friedrich; Schmied, Kurt; and Osterwald, Henning, 4,858,578, Cl. 123-276.000.
  - Scheurenbrand, Dieter; Wawra, Helmut; and Kleineberg, Wolfgang, 4,842,006, Cl. 137-202.000.
  - Scheurenbrand, Dieter; and Wawra, Helmut, 4,886,031, Cl. 123-516.000.
  - Schiessle, Edmund; and Alasafi, Khaldoun, 4,805,466, Cl. 73-862.360.
  - Schopf, Hans-J.; Kizler, Wolfgang; Dahm, Wolfram; and Thom, Rudolf, 4,817,454, Cl. 74-572.000.
  - Schuster, Hans-Dieter; Noller, Christoph; Wollenhaupt, Gottfried; Kreeb, Reiner; and Huss, Roland, 4,877,339, Cl. 384-218.000.
  - Schwerdt, Paul; and Kirschenhofer, Karl, 4,813,601, Cl. 239-91.000.
  - Senft, Ernst; Klemmer, Herbert; and Schefscik, Nikolaus, 4,822,228, Cl. 411-519.000.
  - Senft, Ernst; Klemmer, Herbert; Uhl, Ullrich; Naumann, Emil; and Schefcsik, Nikolaus, 4,889,007, Cl. 74-506.000.
  - Spaude, Heinz W., 4,825,037, Cl. 219-124.340.
  - Spaude, Heinz W., 4,827,213, Cl. 324-158.00R.
  - Titz, Walter, 4,794,867, Cl. 105-3.000.
  - Troster, Harry, 4,815,792, Cl. 303-113.000.
  - Trube, Hans; Korber, Jurgen; and Duenas, Santiago, 4,886,311, Cl. 296-37.120.
  - Ulmer, Rolf; Muller, Alfred; Hugger, William; and Hablitzel, Heinz, 4,830,241, Cl. 224-42.200.
  - v. Scarpatetti, Diether; and Sahm, Dietrich, 4,888,454, Cl. 191-30.000.
  - Vollmer, Karl; and Keilpflug, Klaus, 4,805,681, Cl. 152-417.000.
  - von Scarpatetti, Diether, 4,869,176, Cl. 104-247.000.
  - Wagner, Wolf-Dietrich; Klumpp, Rolf; and Hardt, Thomas, 4,823,747, Cl. 123-193.00H.
  - Wawra, Helmut; Scheurenbrand, Dieter; and Kleineberg, Wolfgang, 4,799,509, Cl. 137-587.000.
  - Weiler, Werner; and Patzelt, Helmut, 4,886,293, Cl. 280-736.000.
  - Werner, Johannes; Kerschbaum, Walter; and Heinrich, Rolf, 4,889,090, Cl. 123-197.0AC.
  - Wohlfarth, Peter, 4,823,897, Cl. 180-75.100.
  - Worner, Gunter; Moser, Franz; and Tscheplak, Ernest, 4,846,759, Cl. 464-68.000.
  - Wunderlich, Klaus, 4,886,416, Cl. 415-158.000.
  - Ziegenberg, Alfred; and Schiessle, Edmund, 4,868,882, Cl. 381-200.000.
  - Zivkovic, Milorad, 4,861,119, Cl. 303-115.000.
  - Zweigart, Gerhard; Belke, Werner; Gunther, Ewald; and Gantzhorn, Walter, 4,842,328, Cl. 296-214.000.
- Daimon, Akio: *See*—
  - Mitsuno, Tatsuyuki; Shinonaga, Hideo; and Daimon, Akio, 4,868,226, Cl. 523-212.000.
- Daimon, Hideo: *See*—
  - Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
- Daimon, Hiroshi; and Ino, Shozo, to Shimadzu Corporation. Charged particle analyzer. 4,849,629, 7-18-89, Cl. 250-305.000.
- Daimon, Masaru: *See*—
  - Sasakura, Tadao; Yamazoe, Otohiko; Othuka, Sachio; Ikeda, Tetsuro; Daimon, Masaru; and Tamura, Shinjuro, 4,795,674, Cl. 428-254.000.
- Daimon, Shiego: *See*—
  - Okamura, Kazuo; Kitamura, Ikuo; Aomi, Hideki; Koyama, Satoshi; Tokunaga, Katsushi; Shibuya, Yoshiyuki; and Daimon, Shiego, 4,842,759, Cl. 252-62.510.
- Daimon, Takashi; Sakamoto, Hideshi; and Adachi, Tatsuya, to Chisso Corporation. Electroconductive fabric sheet and molded article having it on surface thereof. 4,857,377, 8-15-89, Cl. 428-90.000.
- Dain, Lester C.; and Rubin, Steven A., to Sprague Electric Company; and Universal Products, Inc. Capacitor with mounting ring. 4,802,064, 1-31-89, Cl. 361-519.000.
- Dain, Lester C.: *See*—
  - Efford, Thomas W.; and Dain, Lester C., 4,803,598, Cl. 361-541.000.
- Daines, John W.: *See*—
  - Roberts, Derek A.; and Daines, John W., 4,858,815, Cl. 228-2.000.
- Dainichi Kogyo Kabushiki Kaisha: *See*—
  - Nakamura, Katsumi; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,795, Cl. 29-214.000.
  - Nakamura, Katsumi; Koide, Shigeyuki; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,796, Cl. 29-214.000.
- Dainichi-Nippon Cables, Ltd.: *See*—
  - Iri, Eiji; and Tabira, Masatoshi, 4,850,664, Cl. 350-96.200.
- Dainichiseika Color & Chemicals Mfg. Co., Ltd.: *See*—
  - Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.
  - Hanada, Kazuyuki; Misaizu, Iwao; Kashimura, Masashi; Goto, Tomoko; and Kuriyama, Katsumi, 4,853,418, Cl. 521-154.000.
  - Hoshino, Akira; Saji, Mikio; and Fujii, Shigeaki, 4,863,987, Cl. 524-293.000.
  - Hoshino, Akira; Saji, Mikio; and Yamaguchi, Isamu, 4,880,852, Cl. 523-102.000.
  - Kuriyama, Katsumi; Hanada, Kazuyuki; Nakamura, Susumu; Misaizu, Iwao; Kashimura, Masashi; and Goto, Tomoko, 4,837,198, Cl. 503-227.000.
  - Saito, Nobuo; and Noda, Mitsuo, 4,879,332, Cl. 524-436.000.
  - Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, 4,853,429, Cl. 524-29.000.
  - Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, 4,881,343, Cl. 47-57.600.
- Dainihon Glass Industry Company Ltd.: *See*—
  - Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, 4,819,395, Cl. 52-309.160.
  - Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noberu; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.
- Dainin, Takashi, to Nippon Pneumatic Manufacturing Co., Ltd. Hydraulic pulse wrench. 4,838,133, 6-13-89, Cl. 81-465.000.
- Dainippon Ink and Chemicals, Inc.: *See*—
  - Araki, Shingo; Tsuchiya, Kikuo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,843,058, Cl. 503-209.000.
  - Fujii, Haruki; Miyawaki, Isao; Sakai, Motoomi; Kanazawa, Fumio; and Watanabe, Tadahiko, 4,863,794, Cl. 428-325.000.
  - Haraguchi, Kazutoshi; Tanigawa, Eiji; Nukina, Kenji; Morita, Hiroaki; and Maeda, Toyohiro, 4,859,382, Cl. 264-29.200.
  - Hashimoto, Yutaka; Kamei, Masayuki; and Umaba, Toshihiko, 4,884,866, Cl. 350-96.340.
  - Hattori, Kenji; Tanaka, Hiroshi; and Tanaka, Shinichi, 4,835,505, Cl. 335-302.000.
  - Hirosawa, Takumi; Hirayama, Yuzo; Sagara, Keiki; Isomichi, Mituhiro; and Kumabe, Junichi, 4,826,898, Cl. 524-88.000.
  - Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teruo; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, 4,886,756, Cl. 435-199.000.
  - Khe, Nguyen C.; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,868,079, Cl. 430-72.000.
  - Kinoshita, Masafumi; Maeda, Shuichi; and Urabe, Akira, 4,870,118, Cl. 523-207.000.
  - Kojima, Yasuhiko; Pilot, John; and Waxman, Burton H., 4,882,261, Cl. 430-264.000.
  - Kuwamura, Shinichi; and Ooka, Masataka, 4,886,862, Cl. 526-247.000.
  - Maruyama, Osamu; Ishikawa, Hidenobu; and Takahashi, Nobuo, 4,855,334, Cl. 522-96.000.
  - Morita, Hiroaki; Haraguchi, Kazutoshi; and Tanigawa, Eiji, 4,859,381, Cl. 264-29.200.
  - Murakami, Haruhiko; Takeda, Hirofumi; and Sakamoto, Hiroshi, 4,818,791, Cl. 525-124.000.
  - Nishio, Yoshihiro; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,859,555, Cl. 430-72.000.
  - Ooka, Masataka; Kuwamura, Shinichi; and Ozawa, Hiroshi, 4,818,790, Cl. 525-103.000.

  - Sasaki, Makoto; Takeuchi, Kiyohumi; and Takatsu, Haruyoshi, 4,880,936, Cl. 546-339.000.
  - Sato, Yoneji; Hoshino, Masato; Kitazawa, Seiichi; and Yasuda, Tadashi, 4,888,269, Cl. 430-280.000.
  - Tabayashi, Isao; Harada, Hiroshi; Inoue, Sadahiro; and Fukutomi, Hiroshi, 4,878,946, Cl. 106-27.000.
  - Takagaki, Hidetsugu; Abe, Masayoshi; Watanabe, Michihiro; Takeuchi, Kazuyuki; Nakanishi, Shigenori; Nakata, Yuuko; and Yamazaki, Keiji, 4,874,855, Cl. 540-3.000.
  - Takatsu, Haruyoshi; Sasaki, Makoto; Tanaka, Yasuyuki; and Sato, Hisato, 4,820,878, Cl. 568-659.000.
  - Takehara, Sadao; Fujisawa, Toru; Arai, Yoshi; and Kurokawa, Jitsuo, 4,828,754, Cl. 252-299.650.
  - Takei, Toshio; and Tanaka, Toshio, 4,810,297, Cl. 106-186.000.
  - Takei, Toshio; and Tanaka, Toshio, 4,888,422, Cl. 540-135.000.
  - Takeuchi, Kiyohumi; Sasaki, Makoto; and Takatsu, Haruyoshi, 4,814,516, Cl. 568-631.000.
  - Tanaka, Yasuyuki; Takatsu, Haruyoshi; Takeuchi, Kiyohumi; and Tamura, Yuji, 4,814,523, Cl. 570-129.000.
  - Tsuchiya, Kikuo; Araki, Shingo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,885,270, Cl. 503-209.000.
  - Tsukamoto, Yukihide; Sato, Yasuhiro; Seino, Minoru; and Toyoda, Akio, 4,835,041, Cl. 428-215.000.
  - Umehara, Kiyoshi; Yamamoto, Hisaomi; Kobayashi, Nobuo; and Imai, Tsutomu, 4,839,099, Cl. 252-607.000.
  - Yamaguchi, Kouichi; and Goto, Tokio, 4,888,059, Cl. 106-314.000.
- Dainippon Pharmaceutical Co., Ltd.: *See—*
  - Hashimoto, Masanori; Yamamoto, Takeshi; Kawachi, Toru; Kuwashima, Junji; and Kitaoka, Hirokazu, 4,885,168, Cl. 424-95.000.
  - Kon, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hino, Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, 4,870,074, Cl. 514-233.800.
  - Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, 4,795,751, Cl. 514-254.000.
  - Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, 4,886,810, Cl. 514-312.000.
  - Sawayama, Tadahiro; Tsukamoto, Masatoshi; Sasagawa, Takashi; Nishimura, Kazuya; Hosoki, Kanoo; and Takeyama, Kunihiko, 4,826,814, Cl. 514-18.000.
  - Uno, Hitoshi; Kurokawa, Mikio; Sato, Fuminori; Naruto, Shunsuke; and Masuda, Yoshinobu, 4,889,858, Cl. 514-254.000.
- Dainippon Plastics Co., Ltd.: *See—*
  - Hotta, Masahiro; and Inoue, Tadasu, 4,822,684, Cl. 428-426.000.
  - Kashima, Yoshio; Kinugasa, Hirofumi; Yoshida, Yasuo; and Iwanaga, Teruo, 4,817,447, Cl. 73-865.600.
- Dainippon Screen Mfg. Co., Ltd.: *See—*
  - Cho, Masamichi; and Kurusu, Yasuo, 4,817,180, Cl. 382-54.000.
  - Endo, Kenji; Nagata, Shinichi; and Uemura, Haruo, 4,878,745, Cl. 350-469.000.
  - Hirosawa, Makoto; and Yamada, Susumu, 4,807,020, Cl. 358-75.000.
  - Hirosawa, Makoto; and Yamada, Mitsuhiko, 4,823,289, Cl. 364-523.000.
  - Hirosawa, Makoto; and Sasada, Shigeru, 4,866,512, Cl. 358-75.000.
  - Hirosawa, Makoto, 4,873,569, Cl. 358-75.000.
  - Hirosawa, Makoto, 4,884,224, Cl. 364-550.000.
  - Hoki, Tetsuo; Sano, Tetsuo; Kitakado, Ryuji; Sezaki, Yoshinori; Hotta, Tomiji; and Yano, Hironobu, 4,797,939, Cl. 382-8.000.
  - Ikeda, Masahide; Atoji, Hitomi; Ohara, Takashi; and Mizuno, Yuuzi, 4,796,061, Cl. 355-73.000.
  - Ikuta, Kunio; and Murai, Masayuki, 4,825,298, Cl. 358-298.000.
  - Ishida, Akira; and Katsuyama, Mikizo, 4,870,504, Cl. 358-489.000.
  - Isono, Koichi; Tomohisa, Kunio; Oka, Junichi; and Sakamoto, Takashi, 4,872,065, Cl. 358-494.000.
  - Isono, Koichi; and Sho, Ikuo, 4,876,456, Cl. 250-561.000.
  - Iwamoto, Hiroshi; Tamura, Yutaka; Mizuno, Yuji; and Yokota, Akihiro, 4,812,916, Cl. 358-289.000.
  - Kawai, Kenji; Ohtorii, Masakzu; Ueyama, Tsutomu; and Yoshida, Takumi, 4,847,634, Cl. 346-136.000.
  - Kobayashi, Atsuo; Yamada, Takuma; and Akao, Kiyoshi, 4,830,888, Cl. 427-430.100.
  - Kurusu, Yasuo; Kan, Kazuma; and Tamura, Hiroshi, 4,870,454, Cl. 355-69.000.
  - Masuda, Yoshihiro, 4,804,152, Cl. 242-67.10R.
  - Masuda, Yoshihiro; Yagi, Takashi; and Murata, Akira, 4,857,949, Cl. 354-322.000.
  - Matsumura, Yoshio; and Matsui, Hiroshi, 4,856,641, Cl. 198-346.200.
  - Mitsuki, Kiyoomi, 4,870,505, Cl. 358-494.000.
  - Miyazaki, Ryuichi; Kakihara, Yosuke; Doi, Yasushi; and Takizawa, Hirokazu, 4,868,884, Cl. 382-30.000.
  - Morita, Yoshio, 4,852,020, Cl. 364-521.000.
  - Morizumi, Yoshiaki, 4,823,202, Cl. 358-294.000.
  - Murakami, Shigeo, 4,821,110, Cl. 358-285.000.
  - Murakami, Shigeo, 4,868,671, Cl. 358-447.000.
  - Muraoka, Yusuke; Tamada, Atsushi; Sakai, Takamasa; Haibara, Hitoshi; and Nakagawa, Keiji, 4,849,608, Cl. 219-390.000.
  - Murayama, Minoru; Yamamoto, Takaharu; and Hashimoto, Takeji, 4,825,555, Cl. 33-1.00M.
  - Nakagawa, Keiji; Nakatani, Ikuyoshi; Sakai, Takamasa; and Muraoka, Yusuke, 4,803,948, Cl. 118-725.000.
  - Nishida, Fumihiko; Taniuchi, Osami; Yonetani, Hideaki; Kawada, Toru; and Yazaki, Tatsuo, 4,821,078, Cl. 355-75.000.
  - Nishida, Masami; and Orgami, Nobutoshi, 4,838,979, Cl. 156-345.000.
  - Nishizawa, Hisao, 4,811,443, Cl. 15-97.100.
  - Nishizawa, Hisao; Morita, Masaru; and Tanaka, Masato, 4,871,41 Cl. 156-640.000.
  - Nonura, Akihiro, 4,853,971, Cl. 382-56.000.
  - Oda, Osamu, 4,854,232, Cl. 101-211.000.
  - Ohi, Michio, 4,835,574, Cl. 355-27.000.
  - Onishi, Hiroyuki; Sano, Tetsuo; Hoki, Tetsuo; Kodama, E Tsujinaka, Hisayuki; and Kitakado, Ryuji, 4,803,734, C 382-8.000.
  - Otani, Masami; Nishida, Masami; Himoto, Masahiro; and Tsuch Akio, 4,846,623, Cl. 414-225.000.
  - Sakai, Takamasa, 4,798,926, Cl. 219-10.430.
  - Sakai, Takamasa; and Muraoka, Yuusuke, 4,883,424, Cl. 432-77.0
  - Sano, Tetsuo; Hohki, Tetsuo; Kodama, Eiji; Yoshida, Taku Kawatani, Masafumi; and Tsujinaka, Hisayuki, 4,799,175, C 364-552.000.
  - Sasada, Shigeru; Yamamoto, Masahiro; Shimizu, Yoshio; and Sun oka, Tsutomu, 4,797,711, Cl. 355-32.000.
  - Sasada, Shigeru; Nagata, Shinichi; Hirosawa, Makoto; and Kishi Yoshihiro, 4,861,983, Cl. 250-235.000.
  - Shimano, Noriyuki, 4,807,045, Cl. 358-282.000.
  - Shimano, Noriyuki, 4,829,584, Cl. 382-41.000.
  - Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyu Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yosh 4,810,068, Cl. 350-358.000.
  - Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyu Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yosh 4,867,542, Cl. 350-358.000.
  - Shinichi, Nagata, 4,852,980, Cl. 350-432.000.
  - Sugimoto, Kenji, 4,870,923, Cl. 118-715.000.
  - Terauchi, Kenichi; and Okamoto, Takeo, 4,820,907, C 219-494.000.
  - Uemura, Haruo, 4,884,869, Cl. 350-169.000.
  - Wakimoto, Zenji; Nagata, Shinichi; and Katsuyama, Miki 4,852,957, Cl. 350-6.600.
  - Wakimoto, Zenji; and Hayashi, Takahisa, 4,867,545, C 350-415.000.
  - Yamaguchi, Katsuya; and Kitamura, Hideaki, 4,809,082, C 358-283.000.
  - Yamamoto, Yoshihisa; and Sarumaru, Masahiko, 4,847,689, C 358-80.000.
- Dainippon Screen Seizo Kabushiki Kaisha: *See—*
  - Cho, Masamichi, 4,844,288, Cl. 358-447.000.
- Dainty, Robin K., to British Gas plc. Rack arrangement. 4,887,7 12-19-89, Cl. 224-42.110.
- Dair, Roderick L.: *See—*
  - Dion, Paul A.; and Dair, Roderick L., 4,798,932, Cl. 219-118.0
- Dairaku, Kazuo, to Kanegafuchi Kagaku Kogyo Kabushiki Kais Method for measuring a concentration of saccharides having a lo molecular weight and sensor for measuring the same. 4,865,9 9-12-89, Cl. 436-94.000.
- Dairanieh, Issam: *See—*
  - Lahalih, Shawqui; Dairanieh, Issam; and Abu-Halabi, Ma'mu 4,839,095, Cl. 252-8.514.
- Dairen Chemical Corporation: *See—*
  - Cheng, Wan J.; Lin, Fu S.; Jong, Yuh L.; and Huang, Fu 4,866,179, Cl. 546-250.000.
- Dairiki, Kenichi: *See—*
  - Hashinoki, Kazuhiro; and Dairiki, Kenichi, 4,800,757, C 73-597.000.
- Dairkee, Shahnaz H.: *See—*
  - Hackett, Adeline J.; and Dairkee, Shahnaz H., 4,853,464, C 530-387.000.
- Dairoku, Yorimichi: *See—*
  - Shioji, Shobu; Sasabe, Masazumi; Dairoku, Yorimichi; an Fujiwara, Teruaki, 4,818,783, Cl. 524-425.000.
- Dairy Equipment Co.: *See—*
  - Pulvermacher, Ronald J., 4,873,943, Cl. 119-14.160.
- Dairy Research, Inc.: *See—*
  - Ahmed, Salah H.; Kadlec, John D.; and Luksas, Anthony J 4,804,552, Cl. 426-580.000.
- Daishowa Seiki Co., Ltd.: *See—*
  - Kubo, Haruaki; Umeda, Mitsuru; and Iwakoshi, Hiromits 4,799,838, Cl. 409-234.000.
  - Kubo, Haruaki, 4,817,972, Cl. 299-42.000.
  - Yuzuru, Tanaka, 4,829,677, Cl. 33-561.000.
- Daiso Co., Ltd.: *See—*
  - Fujio, Yoshiharu; Matsukuma, Kanemasa; and Nishimoto, To shihiko, 4,879,363, Cl. 526-314.000.
- Daisuzu Kogyou Co. Ltd: *See—*
  - Suzuki, Seiichi, 4,813,318, Cl. 83-533.000.
- Daisy Systems Corporation: *See—*
  - Catlin, Gary M., 4,814,983, Cl. 364-200.000.
  - Catlin, Gary M., 4,872,125, Cl. 364-578.000.
  - Catlin, Gary M., 4,873,656, Cl. 364-578.000.
- Daisyo Seiki Kabushiki Kaisha: *See—*
  - Shirai, Hikaru, 4,856,232, Cl. 51-215.0AR.
- Daito Communication Apparatus Co., Ltd.: *See—*
  - Okita, Kumakazu; Abe, Toshiaki; and Kiriyama, Masaru, 4,880,5 Cl. 264-22.000.
- Daito, Hiroshi; and Hara, Sigeo, to Hitachi, Ltd. Structure for suppor ing magnetic head. 4,853,812, 8-1-89, Cl. 360-104.000.
- Daito, Hiroshi: *See—*
  - Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Dai Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Ha suo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.

  - Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.
- Daito Manufacturing Co., Ltd.: *See—*
  - Wada, Kikuo, 4,848,591, Cl. 221-124.000.
- Daito Shozi Co., Ltd.: *See—*
  - Ozaki, Haruo, 4,864,779, Cl. 51-283.00E.
- Daitou, Hiroshi: *See—*
  - Suzuki, Shoji; Kazama, Toshinori; Daitou, Hiroshi; Takeuchi, Yoshinori; and Yamaguchi, Yuzo, 4,814,906, Cl. 360-75.000.
- Daiwa Can Company, Limited: *See—*
  - Iino, Toshio; and Kai, Takayuki, 4,862,596, Cl. 33-522.000.
  - Masuda, Masayuki; and Umeyama, Tamotsu, 4,800,932, Cl. 141-83.000.
- Daiwa Kasei Kogyo Kabushiki Kausha: *See—*
  - Takagi, Akira; Oyaizu, Hirotsugu; Takahashi, Nobuatsu; and Kume, Kiyotaka, 4,875,647, Cl. 248-74.300.
- Daiwa Seiko Co., Ltd.: *See—*
  - Yamaguchi, Nobuyuki, 4,807,828, Cl. 242-84.52B.
- Daiwa Seiko, Inc.: *See—*
  - Hashimoto, Hiroshi; and Yamaguchi, Nobuyuki, 4,813,629, Cl. 242-217.000.
  - Hashimoto, Hiroshi, 4,871,129, Cl. 242-255.000.
  - Iwama, Shinichi, 4,811,503, Cl. 36-119.000.
  - Iwama, Shinichi, 4,881,330, Cl. 36-117.000.
  - Kaneko, Kyoichi, 4,798,355, Cl. 242-218.000.
  - Kaneko, Kyoichi, 4,821,978, Cl. 242-84.10R.
  - Kaneko, Kyoichi, 4,834,311, Cl. 242-84.10K.
  - Kaneko, Kyoichi, 4,840,327, Cl. 242-217.000.
  - Kaneko, Kyoichi, 4,848,695, Cl. 242-232.000.
  - Kaneko, Kyoichi, 4,858,845, Cl. 242-285.000.
  - Kaneko, Kyoichi, 4,881,697, Cl. 242-254.000.
  - Nanbu, Kazuya; Yamaguchi, Nobuyuki; and Masubuchi, Kaoru, 4,798,354, Cl. 242-84.10R.
  - Nanbu, Kazuya, 4,805,849, Cl. 242-84.50R.
  - Ozeki, Takafumi; Sakai, Kikuo; and Fukushima, Noriyasu, 4,848,022, Cl. 43-23.000.
  - Takeuchi, Shinji, 4,804,150, Cl. 242-84.50A.
- Daiwa Shinku Corporation: *See—*
  - Goda, Shigeru, 4,806,784, Cl. 307-125.000.
  - Hata, Kazuo, 4,831,371, Cl. 340-783.000.
- Dajnko, Daniel M.: *See—*
  - Dajnko, Milan A.; Dajnko, Marjan J.; and Dajnko, Daniel M., 4,838,002, Cl. 52-489.000.
- Dajnko, Marjan J.: *See—*
  - Dajnko, Milan A.; Dajnko, Marjan J.; and Dajnko, Daniel M., 4,838,002, Cl. 52-489.000.
- Dajnko, Milan A.; Dajnko, Marjan J.; and Dajnko, Daniel M. Clip fastener securable to ceiling T-bar to retain wall partition in position. 4,838,002, 6-13-89, Cl. 52-489.000.
- Daka, Joseph N.: *See—*
  - Chang, Thomas M. S.; and Daka, Joseph N., 4,820,416, Cl. 210-632.000.
- Dake, Roger L.: *See—*
  - Webb, Jerry E.; Dake, Roger L.; and Wolfe, Rodney E., 4,860,403, Cl. 17-1.00E.
- Dake, Timothy W.: *See—*
  - Braun, Steven D.; Dake, Timothy W.; and Tsai, Chee-Hway, 4,830,862, Cl. 426-74.000.
- Dakin, James T.; and El-Hamamsy, Sayed A., to General Electric Company. Electrodeless panel discharge lamp liquid crystal display. 4,872,741, 10-10-89, Cl. 350-345.000.
- Dakin, James T.: *See—*
  - Johnson, Peter D.; Dakin, James T.; and Anderson, John M., 4,810,938, Cl. 315-248.000.
- Dakin, John P.; Wade, Christopher A.; and Pratt, David J., to Plessey Overseas Limited. Optical fibre transducer injected data transmission system. 4,849,960, 7-18-89, Cl. 370-3.000.
- Dakin, John P., to Plessey Overseas Limited. Optical fiber sensing system. 4,853,534, 8-1-89, Cl. 250-227.000.
- Dakin, John P.; and Wade, Christopher A., to Plessey Overseas Limited. Optical sensor having stationary co-terminus ends of the input and output optical fibres. 4,861,980, 8-29-89, Cl. 250-227.000.
- Dakin, John P., to Plessey Overseas Limited. Optical fiber sensing systems. 4,885,462, 12-5-89, Cl. 250-227.000.
- Dakin, John P.; and Pratt, David J., to Plessey Overseas Limited. Optical sensing arrangements with wavelength and time-displacement detection. 4,888,480, 12-19-89, Cl. 250-226.000.
- Dakka, Jihad; Zoran, Amikam; and Sasson, Yoel, to Gadot Petrochemical Industries, Ltd.; and Yissum Research Development Company of the Hebrew University of Jerusalem. Process for the manufacture of aromatic dicarboxylic acids and derivatives thereof. 4,853,479, 8-1-89, Cl. 566-77.000.
- Daiku Kabushiki-Kaisha: *See—*
  - Seiichi, Nakane; Sigeru, Nakamura; and Kenichi, Ikari, 4,816,751, Cl. 324-73.0PC.
- Dakof, Michael; Beebe, Gene; and Fretwell, Paul, to Hot Glide. Ski waxing apparatus. 4,813,371, 3-21-89, Cl. 118-59.000.
- Dakss, Mark L.: *See—*
  - Melman, Paul; and Dakss, Mark L., 4,820,018, Cl. 350-96.330.
- Dakubu, Salifu, to Ekins, Roger Philip, a part interest. Labelled and labellable reagents for fluorometric assays. 4,857,475, 8-15-89, Cl. 436-546.000.
- Dal Bianco, Giancarlo, to Remy Montavon S.A. Rotating-bezel watch. 4,815,053, 3-21-89, Cl. 368-294.000.
- Dal Cero, Giovanni, to Greg di S. Greganti & C. S.a.s. Pressure sensing device for tires of motor vehicles. 4,804,808, 2-14-89, Cl. 200-61.250.
- Dal-Craft, Inc.: *See—*
  - Dalbo, Emil J., 4,832,240, Cl. 223-99.000.
  - Dalbo, Emil J., 4,838,426, Cl. 206-574.000.
- Dal-Tex Specialty & Mfg. Co.: *See—*
  - Knight, Michael R., 4,820,096, Cl. 411-169.000.
- Dala, Martin L.; and Baxter, William H. Towel clip. 4,858,285, 8-22-89, Cl. 24-555.000.
- Dalal, Hormazdyar M.: *See—*
  - Arnold, Allen J.; Bariether, Michael E.; Chiang, Shin-Wu; Dalal, Hormazdyar M.; Miller, Robert A.; Montegari, Frank A.; Oberschmidt, James M.; and Shen, David T., 4,831,494, Cl. 361-306.000.
- d'Alayer de Costemore d'Arc, Stephane M., to Staar, S.A. Apparatus and method for maintaining progression of recovery of recorded information. 4,799,207, 1-17-89, Cl. 369-58.000.
- d'Alayer de Costemore d'Arc, Stephane M.; and Agostini, Louis P. C., to Staar S.A. Apparatus for loading and unloading record disc player. 4,811,323, 3-7-89, Cl. 369-75.200.
- d'Alayer de Costemore d'Arc, Stephane M., to Staar S.A. Sound surge detector for alerting headphone users. 4,827,458, 5-2-89, Cl. 367-136.000.
- d'Alayer de Costemore d'Arc, Stephane M.; and Denis, Philippe V., to Staar S.A. Apparatus for loading record discs of different diameters in disc players. 4,839,880, 6-13-89, Cl. 369-75.200.
- Dalbera, Jacques M., to Aerospatiale Societe Nationale Industrielle. Autonomous onboard loading device for a cargo-aircraft. 4,858,855, 8-22-89, Cl. 244-137.100.
- Dalbey, Jeffrey C.: *See—*
  - Smith, William B.; Field, Martha M.; Pierce, Lawrence, Jr.; and Dalbey, Jeffrey C., 4,840,635, Cl. 623-36.000.
- Dalbke, Gary R., to Teledyne Industries, Inc. Means and method of eradicating images from electrostatic media. 4,872,777, 10-10-89, Cl. 401-199.000.
- Dalbo, Emil J., to Dal-Craft, Inc. Needle threader with needle-holding notch. 4,832,240, 5-23-89, Cl. 223-99.000.
- Dalbo, Emil J., to Dal-Craft, Inc. Combination of needle case and needle threader for needlework. 4,838,426, 6-13-89, Cl. 206-574.000.
- Dalboussiere, Gerard: *See—*
  - Costes, Michel L.; Dalboussiere, Gerard; and Barker, Kenneth J., 4,809,155, Cl. 364-200.000.
- Dale, Albie A.: *See—*
  - Wiley, Michael J.; Albrecht, Helen J.; and Dale, Albie A., 4,887,593, Cl. 606-45.000.
- Dale, Craig: *See—*
  - Ferman, Michael; and Dale, Craig, 4,817,984, Cl. 280-668.000.
- Dale Electronics, Inc.: *See—*
  - Bougger, Gary E., 4,884,053, Cl. 338-275.000.
  - Person, Herman R.; Veik, Thomas L.; Zwick, Scott D.; and Hesse, Joseph F., 4,811,004, Cl. 340-712.000.
  - Plough, Charles T., Jr., 4,837,550, Cl. 338-308.000.
- Dale, Harry L. Spin tack control. 4,823,718, 4-25-89, Cl. 114-113.000.
- Dale, Inge: *See—*
  - Fagerhol, Magne K.; Dale, Inge; and Naesgaard, Inger, 4,833,074, Cl. 435-7.000.
- Dale, James: *See—*
  - Cathey, David A.; Freeman, John C.; Dale, James; Crane, William J.; Powell, Eric A.; and Musser, Jeffrey V., 4,859,304, Cl. 204-298.000.
- Dale, James L.; Mannen, Bryce L.; and Titsworth, Raymond, to FMC Corporation. Tire changer safety arm. 4,809,759, 3-7-89, Cl. 157-1.100.
- Dale, James L.; Mannen, Bryce L.; and Titsworth, Raymond, to FMC Corporation. Tire Changer safety arm. 4,811,774, 3-14-89, Cl. 157-1.100.
- Dale Medical Products, Inc.: *See—*
  - Palsrok, Gary; and Palsrok, Bonnie, 4,826,486, Cl. 604-174.000.
  - Watson, Charles B., 4,821,736, Cl. 128-719.000.
- Dale, Philip: *See—*
  - Thornley, David J.; Smith, Moira A.; Dale, Philip; Leask, Samuel H.; and Coutts, Ian M., 4,884,368, Cl. 49-276.000.
- Dale, William, Jr. Support mechanism for insect repellant holder. 4,836,483, 6-6-89, Cl. 248-231.600.
- Dalebout, William T., to Weslo, Inc. Striding exerciser. 4,850,585, 7-25-89, Cl. 272-70.000.
- Daleco/Ivex Partners, Ltd.: *See—*
  - Blanton, Keith A.; and Tumblin, John E., 4,807,158, Cl. 364-521.000.
- Dalen Products, Inc.: *See—*
  - Caldwell, Edward N., 4,809,592, Cl. 98-32.000.
- D'Aleo, Michael J.: *See—*
  - Jacoby, Elliot G., Jr.; D'Aleo, Michael J.; Luchaco, David G.; Spira, Joel S.; Wagner, Richard A.; Yuhasz, Stephen J.; and Dowler, David H., 4,803,380, Cl. 307-157.000.
- Daleo, Stephen L.; and Compton, James B., to Synectics, Inc. Solid state monolithic switching device. 4,873,563, 10-10-89, Cl. 357-41.000.
- Daley, Nile W. Computerized sheet metal layout system. 4,847,778, 7-11-89, Cl. 364-474.220.
- Daley, Peter S.: *See—*
  - Fochtman, Edward G.; Daley, Peter S.; Ader, Milton; Plys, Albert G.; and Swanstrom, Carl P., 4,864,942, Cl. 110-226.000.
- Daley, Richard J.; and Potts, Robert S., to Ciba Corning Diagnostics Corp. Resealable container for dispensing liquid. 4,854,486, 8-8-89, Cl. 222-484.000.

- Dalferth, Hans, to Rud-Kettenfabrik Rieger & Dietz GmbH u. Co. Chain wheel with pockets. 4,850,942, 7-25-89, Cl. 474-155.000.
- Dalgety U.K. Limited: *See—*
  - Baines, David A.; Faulkes, Christopher G.; Tomlinson, Andrew J.; and Ning, Peter C. Y. K., 4,818,535, Cl. 424-407.000.
  - Baines, David A.; Filby, Paul K.; and Kierstan, Marek P. J., 4,886,659, Cl. 424-63.000.
- Dalgleish, Jack F.: *See—*
  - Kahn, David A.; Pacey, Grant K.; Hvezda, Jaroslav M.; and Dalgleish, Jack F., 4,872,739, Cl. 350-96.160.
- d'Aligny, Auguste: *See—*
  - Paramythioti, Michel; and d'Aligny, Auguste, 4,873,449, Cl. 250-560.000.
- Dalke, Brian D.: *See—*
  - Moore, Eugene R.; Dalke, Brian D.; Malanga, Michael T.; and Poindexter, Gary M., 4,883,846, Cl. 526-73.000.
- Dall, Larry N., to Whirpool Corporation. Flexible frame heater element for dryer. 4,857,707, 8-15-89, Cl. 219-375.000.
- Dall, Thoge: *See—*
  - Dahl, Christian; and Dall, Thoge, 4,871,060, Cl. 198-716.000.
- Dallabora, Marco; Gastaldi, Roberto; and Novosel, David, to SGS-Thomson Microelectronics S.p.A. Generator of reset pulses upon the rise of the power supply for CMOS-type integrated circuits. 4,888,497, 12-19-89, Cl. 307-272.300.
- Dall'Aglio, Marco. Flexible membrane for heavy duty application apparatus. 4,856,757, 8-15-89, Cl. 251-335.200.
- Dallago, Raymond P.: *See—*
  - Johnson, Grannis S.; Grinstein, Reuben H.; Hartman, Stuart J.; and Dallago, Raymond P., 4,879,414, Cl. 564-388.000.
- Dallaire, Michel; and Katz, Robert, to St. Lawrence Manufacturing Canada, Inc. Telescopic golf cart. 4,887,835, 12-19-89, Cl. 280-646.000.
- Dallaire, Rodney J. Autoguided vehicle using reflective materials. 4,855,915, 8-8-89, Cl. 364-424.020.
- Dallaire, Serge, to Canadian Patents and Development Limited/Societe Canadienne des brevets et d'exploitation limitee. Anti-oxidant barrier for carbon based material. 4,824,733, 4-25-89, Cl. 428-551.000.
- Dallas Cowboys Football Club Limited: *See—*
  - Friedman, Robert S., 4,809,117, Cl. 360-137.000.
- Dallas, Gust. Releasable fish hook. 4,841,666, 6-27-89, Cl. 43-43.160.
- Dallas Instruments Incorporated: *See—*
  - Thompson, David B.; Preskitt, Stanley V.; Downing, Harvey L.; and Allred, Michael V., 4,862,394, Cl. 364-551.010.
- Dallas, L. Murray: *See—*
  - Garner, Jonathan W.; and Dallas, L. Murray, 4,867,243, Cl. 66-379.000.
- Dallas Semiconductor Corporation: *See—*
  - Dias, Donald R., 4,810,975, Cl. 331-78.000.
  - Dias, Donald R., 4,850,000, Cl. 377-54.000.
  - Dias, Donald R., 4,855,690, Cl. 331-78.000.
  - Dias, Donald R., 4,868,525, Cl. 331-111.000.
  - Harrington, Thomas E., III, 4,862,310, Cl. 361-58.000.
  - Jiang, Ching-Lin, 4,843,265, Cl. 307-591.000.
  - Jiang, Ching-Lin; and Williams, Clark R., 4,873,665, Cl. 365-154.000.
  - Lee, Robert D.; and Dias, Donald R., 4,870,401, Cl. 340-825.310.
  - Little, Wendell L.; and Smith, Michael D., 4,857,767, Cl. 307-448.000.
  - Little, Wendell L., 4,885,716, Cl. 364-786.000.
  - Little, Wendell L., 4,890,263, Cl. 365-218.000.
  - Podkowa, William J.; and Williams, Clark R., 4,876,465, Cl. 307-443.000.
  - Smith, Michael D., 4,839,893, Cl. 370-100.000.
  - Smith, Michael D., 4,866,301, Cl. 307-351.000.
  - Williams, Clark R.; and Jiang, Ching-Lin, 4,871,982, Cl. 331-75.000.
- Dallas, Stanley A., Jr., to Thales Resources, Inc. Method of using a waveform to sound pattern converter. 4,812,746, 3-14-89, Cl. 324-121.00R.
- Dallaserra, Arthur B.; and Saland, Gerard, to Herve et Fils S.A. Apparatus for folding a band into accordion pleats including three panels. 4,850,949, 7-25-89, Cl. 493-418.000.
- Dallavalle, Carlo, to SGS-Thomson Microelectronics S.p.A. Latch-up prevention in a two-power-supply CMOS integrated circuit by means of a single integrated MOS transistor. 4,871,927, 10-3-89, Cl. 307-296.500.
- Dallavalle, Silvano; and Ansaloni, Raffaele, to Cebora S.p.A. Control circuit in plasma arc cutting and welding equipment designed for transferred arc operation. 4,814,577, 3-21-89, Cl. 219-121.570.
- Dallavia, Anthony J., Jr., to General Electric Company. Modified silicone release coating compositions. 4,830,924, 5-16-89, Cl. 428-429.000.
- Dallavia, Anthony J., Jr.; Vande Ven, Susan; and Smith, Bobby E., to J.M. Huber Corporation. Mineral filler fire retardant composition and method. 4,876,291, 10-24-89, Cl. 521-124.000.
- Dallavia, Anthony J., Jr.; Vande Ven, Susan; and Smith, Bobby E., to J. M. Huber Corporation. Mineral filler fire retardant compositoin and method. 4,886,839, 12-12-89, Cl. 521-124.000.
- Dalleva, Lilyana D.: *See—*
  - Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.
- Dallhammer, Richard; Neulinger, Franz; Schmidt, Walter; and Schar mer, Helmut, to Siemens Aktiengesellschaft. Electrostatic precipita tor power supply. 4,808,200, 2-28-89, Cl. 55-105.000.
- Dallin, William M., II, to Varo, Inc. Method and apparatus for provid ing gain control for an image intensifier tube. 4,839,569, 6-13-89, C 315-383.000.
- Dallman, Hermann; Hensel, Hartmut; and Schafer, Werner, to Hoechs Aktiengesellschaft. Multi-layer polyester film for magnetic tape 4,798,759, 1-17-89, Cl. 428-220.000.
- Dallmann, Harald: *See—*
  - Artzt, Peter; Ziegler, Kurt; Dallmann, Harald; and Egbers, Ge hard, 4,825,633, Cl. 57-328.000.
  - Artzt, Peter; Dallmann, Harald; Ziegler, Kurt; and Egbers, Ge hard, 4,845,936, Cl. 57-261.000.
- Dallmann, Hermann; Schaefer, Werner; Gawrisch, Wolfgang; an Hensel, Hartmut, to Hoechst Aktiengesellschaft. Polyester film hav ing improved abrasion resistance manufactured from particle-fille polyester having nucleating agent dispersed therein. 4,801,64 1-31-89, Cl. 524-394.000.
- Dallmeyer, Hermann: *See—*
  - Sauer, Heinz; Dallmeyer, Hermann; Zarnack, Uwe J.; Keggenhof Berthold; and Weber, Bernd, 4,851,571, Cl. 560-347.000.
- Dall'Osso, Gastone: *See—*
  - Mattei, Riccardo; and Dall'Osso, Gastone, 4,887,40 C 53-412.000.
- Dallum, Barry J., to Owens-Corning Fiberglas Corporation. Unde ground tank. 4,876,124, 10-24-89, Cl. 428-34.500.
- Dally, Ellen L.: *See—*
  - Mays, Thomas D.; and Dally, Ellen L., 4,863,719, Cl. 424-45.00
  - Mays, Thomas D.; and Dally, Ellen L., 4,879,228, Cl. 435-101.00
- Dally, William J.: *See—*
  - Wallace, David A.; Feldon, Steven E.; Mozack, Gary; Whitin Douglas L.; Dally, William J.; and Karns, Scott A., 4,817,432, C 73-602.000.
- d'Almada Remedios, Miguel A.; and Riedinger, Thomas R., to Boein Company, The. Apparatus for storing food and beverages in a passen ger seatback. 4,836,602, 6-6-89, Cl. 297-191.000.
- Dalmadi, Gyula: *See—*
  - Szabo, Tibor; Vidra nee Sandor, Ildiko; Dalmadi, Gyula; Kac marek nee Sebestyen, Judit; and Ori, Janos, 4,820,852, C 549-539.000.
- Dalo, Dominic N., to General Motors Corporation. Method for manu facturing a fitting for a heat exchanger. 4,881,312, 11-21-89, C 29-157.30C.
- D'Alo, Herbert F.; and Enger, Christine D., to Sherwood Medica Company. Vented spike connection component. 4,888,00 12-19-8 Cl. 604-411.000.
- Dalo, Jean: *See—*
  - Dalo, Pierre; and Dalo, Jean, 4,887,626, Cl. 135-119.000.
- Dalo, Pierre; and Dalo, Jean. Stretched cloth fixing device. 4,887,62 12-19-89, Cl. 135-119.000.
- D'Aloisio, Rino: *See—*
  - Venturello, Carlo; and D'Aloisio, Rino, 4,866,178, Cl. 544-40.0
- Daloz, Jacques, to Etablissements Daloz S.A. Multispeed reversi transmission for agricultural machine. 4,848,176, 7-18-89, C 74-333.000.
- Dalquist, H. David; Jorgensen, Jorgen A.; Keleny, Lloyd G.; Nygre Donald W.; and Taylor, John N., to Northland Aluminum Product Inc. Pressure cooker for microwave ovens. 4,796,776, 1-10-89, C 220-203.000.
- Dalrymple, Bruce H.: *See—*
  - Edwards, Robert B.; Dalrymple, Bruce H.; Long, Lawrence B Meisner, Paul; Bacon, Forrest C.; Pribbernow, Dale E.; an Warner, William L., 4,821,820, Cl. 177-25.180.
- Dalrymple, John C.; and Paul, Byron G., to Tektronix, Inc. Graphi display system with secondary pixel image storage. 4,862,1 8-29-89, Cl. 340-747.000.
- Dalrymple, Monte J., to Zilog, Inc. Serializer system with variab character length capabilities. 4,855,584, 12-5-89, Cl. 341-101.00
- Dalsat, Inc.: *See—*
  - Rose, Mark W., 4,841,305, Cl. 343-912.000.
- Dalsis, David E.: *See—*
  - Plester, George; Leddon, Warren E.; and Dalsis, David E 4,830,192, Cl. 209-3.100.
- Dalterio, Richard A.: *See—*
  - Nelson, Wilfred H.; Dalterio, Richard A.; and Sperry, Jay F 4,847,198, Cl. 435-34.000.
- Dalton, Arthur W.: *See—*
  - Rolfe, John A.; Dalton, Arthur W.; and Silvester, Rob 4,812,958, Cl. 362-431.000.
- Dalton, Barbara J.; and Rees, Robert C., to SmithKline Beckm Corporation. Immunomodulation. 4,803,072, 2-7-89, Cl. 424-85.5
- Dalton, Danny L., to Quantum Conditioning Technology, Inc. Wat conditioning system. 4,855,043, 8-8-89, Cl. 210-190.000.
- Dalton, Howard; Colby, John; and Stirling, David I., to Nation Research Development Corporation. Oxidation processes. 4,837,1 6-6-89, Cl. 435-123.000.
- Dalton, Jeffrey L.: *See—*
  - Sallavanti, Robert A.; Dalton, Jeffrey L.; and Olsen, Sharon M 4,800,122, Cl. 428-412.000.
- Dalton, John F., to Cameron Constructors, Inc. Wheeled vehicle fo ground work. 4,881,561, 11-21-89, Cl. 56-17.500.
- Dalton, Michael J. Matrix septum. 4,857,053, 8-15-89, Cl. 604-93.00
- Dalton, Thomas H. Underslung tire carrier for vehicles. 4,795,3 1-3-89, Cl. 414-466.000.

- Dalton, William J., to E. D. Etnyre & Company. Vehicle-mounted spray apparatus. 4,817,870, 4-4-89, Cl. 239-157.000.
- Daltrozzo, Ewald; and Sulger, Werner, to BASF Aktiengesellschaft. Methine dyes having a pyridyl group and a pyridyl or a quinolinyl group. 4,876,347, 10-24-89, Cl. 546-176.000.
- Daluge, Susan M.; and Leighton, Harry J., to Burroughs Wellcome co. Xanthine derivatives. 4,879,296, 11-7-89, Cl. 514-263.000.
- Daly, Benedict D. T.: *See—*
  - Poirier, Victor L.; Dasse, Kurt A.; Bowen, Mark A.; and Daly, Benedict D. T., 4,886,502, Cl. 604-175.000.
- Daly, Jeffery E.; and Schumacher, Percy W., to Reed Tool Company. Mounting means for cutting elements in drag type rotary drill bit. 4,830,123, 5-16-89, Cl. 175-329.000.
- Daly, John K.; and Kreinberg, Earl R., to AMP Incorporated. Method of staking a wave crimp for flat power cable termination. 4,859,204, 8-22-89, Cl. 439-424.000.
- Daly, John K.: *See—*
  - Beinhaur, Ernest L.; Daly, John K.; Kreinberg, Earl R.; and Vinson, Paul, 4,834,673, Cl. 439-422.000.
- Daly, John Kevin: *See—*
  - Bennett, Glenn E.; Daly, John Kevin; Grebe, Robert K.; and Lucus, John E., 4,887,976, Cl. 439-492.000.
- Daly, John M.; and Reynolds, John. Use of arginine as an lymphokine synergist. 4,883,661, 11-28-89, Cl. 424-85.200.
- Daly, Mark D.; Maerzke, James T.; Gengler, Jeffrey R.; and Trick, Robert E., to Medical Engineering Corporation. Penile implant with compensator. 4,823,779, 4-25-39, Cl. 128-79.000.
- Daly, Mary M.; Keown, Robert W.; and Knorr, Dietrich W., to University of Delaware. Chitosan alginate capsules. 4,808,707, 2-28-89, Cl. 536-3.000.
- Daly, Michael F.: *See—*
  - Grimstad, Ronald N.; and Daly, Michael F., 4,878,255, Cl. 4-236.000.
- Daly, Paul: *See—*
  - Brooks, Mark A.; Fallis, Robert; and Daly, Paul, 4,805,837, Cl. 239-125.000.
  - Brooks, Mark A.; Fallis, Robert; and Daly, Paul, 4,869,429, Cl. 239-473.000.
- Daly, Paul D.; Brooks, Mark A.; and Fallis, Robert E., to Allied Corporation. Two-cycle engine and method of operation. 4,813,395, 3-21-89, Cl. 123-65.00A.
- Daly, Paul D., to Allied-Signal Inc. Unit injector for gasoline engines. 4,877,187, 10-31-89, Cl. 239-89.000.
- Daly, Paul D.; Brooks, Mark A.; Fallis, Robert E.; and Cerny, Mark S., to Allied-Signal Inc. Armature with shear stress damper. 4,878,650, 11-7-89, Cl. 251-129.150.
- Daly, Raymond A., to Johnson Filtration Systems, Inc. Metal well screen assembly with plastic end fitting and method of attaching same. 4,819,722, 4-11-89, Cl. 166-231.000.
- Daly, Robert C.: *See—*
  - Snow, Robert A.; McGuckin, Hugh G.; Ponticello, Ignazio S.; Daly, Robert C.; Pace, Laurel J.; Fischer, Sandra K.; and Hanrahan, Michael J., 4,808,510, Cl. 430-287.000.
  - Snow, Robert A.; McGuckin, Hugh G.; Ponticello, Ignazio S.; Daly, Robert C.; Pace, Laurel J.; Fischer, Sandra K.; and Hanrahan, Michael J., 4,876,167, Cl. 430-7.000.
- Daly, Robert G.: *See—*
  - Dryden, Paul E.; Autieri, Richard J.; and Daly, Robert G., 4,838,258, Cl. 128-204.180.
- Dalzell, David T., to Logic Replacement Technology, Limited. Electronic pulse time measurement apparatus. 4,875,201, 10-17-89, Cl. 368-120.000.
- Dalzell, Lawrence B.: *See—*
  - Blakely, Lawrence A.; Boyer, Rodney R.; and Dalzell, Lawrence B., 4,848,934, Cl. 384-206.000.
- Dalzell, William J., Jr.: *See—*
  - Clark, David E.; Dalzell, William J., Jr.; and Adams, Brenda L., 4,801,399, Cl. 252-315.010.
- Dalziel, Kathleen M.: *See—*
  - Amen, Ronald C.; Smith, Christine F.; and Bakal, Abraham I., 4,851,239, Cl. 426-43.000.
- Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., to Tandon Corporation. Hard disk drive module and receptacle therefor. 4,833,554, 5-23-89, Cl. 360-98.040.
- Dalziel, Warren L., to Tandon Corporation. Storage media transducer loading/unloading and carriage lock mechanism. 4,884,261, 11-28-89, Cl. 360-105.000.
- Dam, Rudy J.: *See—*
  - Robertson, Charles W., Jr.; Dam, Rudy J.; and Prober, James M., 4,833,332, Cl. 250-458.100.
- D'Amato, Ralph J.; Godfrey, Richard H.; Morrell, Albert M.; and Ragland, Frank R., Jr., to RCA Licensing Corporation. Cathode-ray tube having faceplate panel with essentially planar screen periphery. 4,887,001, 12-12-89, Cl. 313-461.000.
- Dambach, Philip J.; and Brown, Ray, to Molex Incorporated. Optic sensing assembly. 4,812,003, 3-14-89, Cl. 350-96.180.
- Dambach, Philip J.: *See—*
  - Sampson, Stephen A.; Dambach, Philip J.; and Brunker, David L., 4,840,451, Cl. 350-96.200.
- D'Ambra, Thomas E.; and Bell, Malcolm R., to Sterling Drug Inc. 4-arylcarbonyl-1-[(4-morpholinyl)-lower-alkyl]-1H-indoles. 4,840,950, 6-20-89, Cl. 514-235.200.
- D'Ambra, Thomas E.; and Bell, Malcolm R., to Sterling Drug Inc. 4-arylcarbonyl-1-[(4-morpholinyl)-lower-alkyl]-1H-indoles. 4,874,761, 10-17-89, Cl. 514-235.200.
- Dambre, Paul, to N.B. Bekaert S.A. Compact steel cord structure. 4,829,760, 5-16-89, Cl. 57-212.000.
- Dambre, Paul, to N.V. Bekaert S.A. Method of manufacturing a steel wire with high tensile strength. 4,854,032, 8-8-89, Cl. 29-527.400.
- D'Ambrisi, Joseph J., to MacDermid, Incorporated. Conversion of manganese dioxide to permanganate. 4,853,095, 8-1-89, Cl. 204-82.000.
- DAMCO Plastics Corporation: *See—*
  - Denmark, Henry M., 4,802,443, Cl. 119-19.000.
- Dame, Margaret C.: *See—*
  - DeLuca, Hector F.; Dame, Margaret C.; and Pierce, Eric A., 4,816,417, Cl. 436-501.000.
- D'Amelio, Frank D.; DeLemos, Dawn M.; Esposito, Dominick G.; Maxfield, Michelle D.; Petruzzi, Claude E.; and Quint, Robert H., to Circon ACMI Division of Circon Corporation. Electrosurgical probe apparatus. 4,823,791, 4-25-89, Cl. 123-303.140.
- D'Amelio, Frank D.: *See—*
  - Morris, David L.; Filip, Mihail; D'Amelio, Frank D.; Esposito, Dominick G.; and Quint, Robert H., 4,874,364, Cl. 604-35.000.
- Damen, Franciscus A., to Calumatic B.V. Device for evacuating oxygen from a container. 4,848,419, 7-18-89, Cl. 141-61.000.
- Damento, Michael A.; and Gschneidner, Karl A., Jr., to Iowa State University Research Foundation, Inc. Millimeter size single crystals of superconducting $YBa_2Cu_3O_x$. 4,824,826, 4-25-89, Cl. 505-1.000.
- Dameron, Joseph T. Improved roof panel apparatus and panel locking method. 4,819,398, 4-11-89, Cl. 52-529.000.
- Dameron, Patrick S. Bedding attachment devices. 4,829,617, 5-16-89, Cl. 5-508.000.
- Dameron, Rodger S. Nursing shawl. 4,797,953, 1-17-89, Cl. 2-104.000.
- Damiano, Michael A.: *See—*
  - Baran, Michael S.; Beihoff, Bruce C.; Damiano, Michael A.; Hansen, James E.; Hastings, Jerome K.; Slomczewski, Allen J.; and Tennies, Charles J., 4,857,837, Cl. 324-117.00R.
- D'Amico, Carl: *See—*
  - Sjogren, Christer A.; and D'Amico, Carl, 4,812,099, Cl. 414-788.200.
- Damico, Dennis J.; and Bennett, Ruth M., to Lord Corporation. Structural adhesive formulations and bonding method employing same. 4,855,001, 8-8-89, Cl. 156-307.300.
- Damico, Dennis J.; Mushrush, Kenneth W.; and Bennett, Ruth M., to Lord Corporation. Two-part adhesive for bonding plastics and metals. 4,857,131, 8-15-89, Cl. 156-331.400.
- D'Amico, John A., to Molded Accoustical Products. Process to produce enveloped fiberglass product. 4,824,507, 4-25-89, Cl. 156-245.000.
- Damico, Joyce A.; and Weber, Rebecca J., to Kimberly-Clark Corporation. Incontinent garment with elasticized pouch. 4,886,512, 12-12-89, Cl. 609-385.200.
- D'Amico, Louie R.; Waring, Susan E.; and Lenchin, Julianne M., to National Starch and Chemical Corporation. Composition for preparing freeze-thaw microwaveable pre-fried foodstuffs. 4,842,874, 6-27-89, Cl. 426-94.000.
- D'Amico, Lynn W.; and Guyer, James M., to Data General Corporation. Interrupt handling in a multiprocessor computing system. 4,796,176, 1-3-89, Cl. 364-200.000.
- D'Amico, Nick. Soccer kick-training device. 4,865,330, 9-12-89, Cl. 273-411.000.
- D'Amico, Richard: *See—*
  - Riihimaki, Roy; D'Amico, Richard; and Zoll, Karl, 4,854,475, Cl. 220-337.000.
- D'Amico, Richard J.: *See—*
  - Walkup, William B.; and D'Amico, Richard J., 4,850,891, Cl. 439-326.000.
- Damin, Bernard; Eber, Daniele; Hoornaert, Pierre; and Rey, Claude, to ELF France. Additives for lubricating oils, their process of preparation and lubricating compositions containing them. 4,834,892, 5-30-89, Cl. 252-32.70E.
- Damino A/S: *See—*
  - Christensen, Borge H.; and Storm, Ebbe, 4,820,527, Cl. 426-2.000.
- Damjanovich, Sandor: *See—*
  - Resli, Istvan; Takacs, Tibor; Damjanovich, Sandor; Gaspar, Rezso; Tron, Lajos; Szollosi, Janos; and Matko, Janos, 4,880,732, Cl. 435-29.000.
- Damji, Dhirendra, to Xerox Corporation. Sealed bearings. 4,795,276, 1-3-89, Cl. 384-138.000.
- Damji, Dhirendra, to Xerox Corporation. Process unit for an imaging apparatus. 4,841,333, 6-20-89, Cl. 355-211.000.
- Damle, Shridhar P.: *See—*
  - Fillit, Howard; Damle, Shridhar P.; Zabriskie, John; and Gregory, John D., 4,849,339, Cl. 435-7.000.
- Damm, Norbert; and Parr, Thomas, to BMD Badische Maschinenfabrik Durlach GmbH. Process for mixing foundry molding materials. 4,818,112, 4-4-89, Cl. 366-2.000.
- Damm, Norbert, to BMD Badische Maschinenfabrik Durlach GmbH. Apparatus for compressing foundry moulding material by means of compressed gas. 4,846,253, 7-11-89, Cl. 164-169.000.
- Damm, Wendell W.; Taylor, Keith A.; Pollock, Ira G.; and Janowitz, Pedro M., to Tektronix, Inc. Test vector definition system employing template concept. 4,860,291, 8-22-89, Cl. 371-27.000.
- Dammann, Hans: *See—*
  - Schmitt, Hans J.; Schmitz, Gunter L.; and Dammann, Hans, 4,859,013, Cl. 350-96.120.

Dammann, Hans O. B.; Pross, Elke B.; Rahe, Gert; Tolksdorf, Wolfgang F. M.; and Zinke, Manfred B., to U.S. Philips Corp. Optical polarization regulator having a wave-guide structure. 4,798,434, 1-17-89, Cl. 350-96.110.

Dammann, Hans O. B.: *See—*

Schmitt, Hans-Jurgen; and Dammann, Hans O. B., 4,859,014, Cl. 350-96.130.

Dammann, Laurence G., to Ashland Oil, Inc. Flexibilized phenol/mercapto resins and their synthesis. 4,803,245, 2-7-89, Cl. 525-123.000.

Dammann, Laurence G., to Ashland Oil, Inc. Selective resin synthesis and dual functional resins made thereby. 4,826,617, 5-2-89, Cl. 525-107.000.

Dammann, Laurence G.; Blakley, Brent A.; and Carlson, Gary M., to Ashland Oil, Inc. In situ quaternary ammonium catalyst formation for curing polymeric isocyanates. 4,855,383, 8-8-89, Cl. 528-51.000.

Dammann, Peter, to Barmag AG. Yarn false twist crimping machine. 4,809,494, 3-7-89, Cl. 57-291.000.

Dammel, Ralph: *See—*

Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,256, Cl. 526-75.000.

Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,257, Cl. 526-75.000.

Dammers, Dieter: *See—*

Dammers, Helmut; and Dammers, Dieter, 4,843,273, Cl. 310-306.000.

Dammers, Helmut; and Dammers, Dieter, to Thermo-Watt Stromerzeugungsanlagen GmbH. Heater mechanism with thermoelectric power generator. 4,843,273, 6-27-89, Cl. 310-306.000.

Dammgen, Jurgen: *See—*

Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, 4,871,735, Cl. 514-213.000.

Damon Biotech, Inc.: *See—*

Jarvis, Allan P., Jr., 4,803,168, Cl. 435-240.220.

Damon, Edward K., to General Electric Company. Microwave proximity sensor. 4,845,422, 7-4-89, Cl. 324-585.00R.

Damon, Edward K., to General Electric Company. Microwave proximity sensor. 4,862,061, 8-29-89, Cl. 324-58.50R.

Damon, Gerald D.; and Godlew, David P., to Eaton Corporation. Torsional vibration damping mechanism. 4,874,074, 10-17-89, Cl. 192-106.200.

Damon, Neil F.; and Senor, Ronald E., to Augat Inc. Electronic socket carrier system. 4,887,981, 12-19-89, Cl. 439-885.000.

Damon, Robert E., II; and Wareing, James R., to Sandoz Pharm. Corp. Analogs of mevalonolactone and derivatives thereof. 4,829,081, 5-9-89, Cl. 514-438.000.

Damon, Robert E., II, to Sandoz Pharm. Corp. Arylcyclohexane and arylcyclohexene analogs of mevalonolactone derivatives and their use. 4,876,280, 10-24-89, Cl. 514-510.000.

Damore, Dolores. Artificial Christmas tree. 4,805,075, 2-14-89, Cl. 362-123.000.

D'Amore, Michael B.; and Pande, Nutan K., to Du Pont de Nemours, E. I., and Company. Preparation of promoted silica catalysts. 4,843,057, 6-27-89, Cl. 502-263.000.

D'Amore, Patricia; Leong, Kam W.; and Langer, Robert S., to Massachusetts Institute of Technology. Bioerodible articles useful as implants and prostheses having predictable degradation rates. 4,886,870, 12-12-89, Cl. 528-206.000.

Damour, Lawrence R. Spreader roll for wrinkle-free traveling web. 4,862,565, 9-5-89, Cl. 26-99.000.

Damouth, David E., to Xerox Corporation. Charge neutralization for plain paper electrography. 4,833,492, 5-23-89, Cl. 346-159.000.

Damp, James B. Fish scaling apparatus. 4,839,942, 6-20-89, Cl. 17-64.000.

Damrath, Volker; Lindner, Christian; Kress, Hans-Jurgen; and Wittmann, Dieter, to Bayer Aktiengesellschaft. Particulate multiphase polymers. 4,859,740, 8-22-89, Cl. 525-100.000.

Damrath, Volker; Lindner, Christian; Kress, Hans-Jurgen; and Wittmann, Dieter, to Bayer Aktiengesellschaft. Particulate multiphase polymers. 4,861,831, 8-29-89, Cl. 525-100.000.

Damrath, Volker: *See—*

Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, 4,865,917, Cl. 428-407.000.

Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, 4,885,209, Cl. 428-420.000.

Damrau, Wayne A., to Consolidated Papers, Inc. High speed paper coaters. 4,859,507, 8-22-89, Cl. 427-356.000.

Damrow Company, Inc.: *See—*

Blodgett, Frank W.; and Bokelmann, Paul R., 4,879,946, Cl. 99-453.000.

Dams, Michael J.: *See—*

Davis, James H.; and Dams, Michael J., 4,800,124, Cl. 428-391.000.

Damsohn, Herbert; Hoeing, Juergen; and Heck, Lieselotte, to Sueddeutsche Kuehlerfabrik Julius Fr. Behr GmbH & Co. KG. Clamping connection. 4,881,595, 11-21-89, Cl. 165-173.000.

Damus, Diane; and Kleinstuber, John F. Combination beach towel and tote bag. 4,856,912, 8-15-89, Cl. 383-4.000.

Dan Carlson Scientific Enterprises, Inc.: *See—*

Carlson, Danis R., 4,834,789, Cl. 71-117.000.

Dan Co., Ltd.: *See—*

Kuriyama, Zenkichi; Aoba, Masaho; and Takeuchi, Teruo, 4,839,875, Cl. 369-14.000.

Dan, Shigeyuki; Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; and Sera, Hidefumi. Liquid developer for electrostatic photography. 4,837,102, 6-6-89, Cl. 430-114.000.

Dan, Shigeyuki: *See—*

Kato, Eiichi; Dan, Shigeyuki; Ishibashi, Hiroshi; Ishii, Kazuo; an Sera, Hidefuji, 4,840,865, Cl. 430-114.000.

Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; Dan, Shigeyuki; an Sera, Hidefumi, 4,842,975, Cl. 430-137.000.

Dan, Takashi: *See—*

Koga, Hiroshi; Mori, Takashi; Dan, Takashi; and Akima, M chitaka, 4,816,479, Cl. 514-455.000.

Dan, Takuya: *See—*

Tabata, Toshiyuki; Ishiyama, Tatsuro; Ushijima, Takao; and Da Takuya, 4,872,650, Cl. 267-140.100.

Dan Wesson Arms, Inc.: *See—*

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Domian, Robert E.; and MacWilliams, Robert W., 4,833,809, C 42-65.000.

Domian, Robert E., 4,833,810, Cl. 42-59.000.

Dan, Yie-Fong: *See—*

Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Ye Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; She man, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.00

Dana Corporation: *See—*

Antonini, Joseph; and Gallo, Paul, 4,844,484, Cl. 277-153.000.

Antonini, Joseph; and Walinski, Edward L., 4,844,485, C 277-153.000.

Belter, Jerome G., 4,810,454, Cl. 264-271.100.

Belter, Jerome G., 4,813,913, Cl. 464-175.000.

Belter, Jerome G., 4,817,967, Cl. 277-199.000.

Booth, Dwight E.; and Lippincott, Gerry N., 4,818,840, C 219-121.720.

Cameron, Mickey G., 4,848,553, Cl. 192-107.00R.

Cameron, Mickey G., 4,858,742, Cl. 192-107.00C.

Cameron, Mickey G., 4,869,356, Cl. 192-107.00M.

Campbell, Edward N.; and Worley, Gerald D., 4,868,966, C 29-270.000.

Crawford, Paul A.; and Edwards, Douglas F., 4,844,227, C 192-3.540.

Czarka, Michael W., 4,857,033, Cl. 474-14.000.

Davis, Evy P., 4,872,795, Cl. 411-433.000.

Davison, Kent E.; and Rickert, Ervin M., 4,820,357, Cl. 148-12.40

Dick, Wesley M.; and Reuter, David C., 4,860,612, Cl. 74-665.00

Fett, Gregory A., 4,885,831, Cl. 29-159.200.

Flotow, Richard A., 4,832,164, Cl. 192-111.00B.

Flotow, Richard A., 4,860,872, Cl. 192-107.00R.

Gall, Ray A., 4,874,349, Cl. 464-14.000.

Gall, Ray A., 4,881,924, Cl. 464-134.000.

Gallo, Paul E.; Larsen, James H.; and Jurczyk, Mary K., 4,822,0 Cl. 277-235.00B.

Gray, Larry O.; and Lane, Wendell C., Jr., 4,848,531, Cl. 19 13.00R.

Gray, Larry O., 4,855,918, Cl. 364-426.040.

Gustin, David C., 4,828,091, Cl. 192-84.00C.

Heban, North A., Jr., 4,805,518, Cl. 92-169.000.

Heine, Charles F.; Barnholt, Mark C.; Hotson, Donald E.; an Pifer, Richard L., 4,795,403, Cl. 464-77.000.

Hoff, Steven R., 4,866,973, Cl. 72-402.000.

Hoff, Steven R.; and Zuber, Larry L., 4,887,451, Cl. 72-402.00

Holman, James L.; Willford, George A.; and Barr, Kurt 4,867,291, Cl. 192-4.00A.

Holman, James L.; and Willford, George A., 4,875,383, Cl. 7 473.00R.

Humbert, Kingsley E., Jr., 4,846,223, Cl. 137-625.190.

Jester, Terry L., 4,856,362, Cl. 74-477.000.

Kerr, Karle O., Jr., 4,875,794, Cl. 403-132.000.

Klinkenberg, Hubert E., 4,864,884, Cl. 74-459.000.

Kranis, Daniel, Jr., 4,863,214, Cl. 296-203.000.

Krisher, James A.; and Lloyd, Barry R., 4,862,363, Cl. 364-424.0

Kummer, Martin E.; and Flotow, Richard, 4,863,004, C 192-70.180.

Lafever, Edward E., 4,834,037, Cl. 123-188.00P.

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Loeffler, John M., 4,805,471, Cl. 74-331.000.

Loeffler, John M., 4,807,493, Cl. 74-745.000.

Loeffler, John M.; and Watson, Rick D., 4,827,793, Cl. 74-477.0

McBurnett, James R., 4,828,462, Cl. 417-291.000.

McClish, Arthur W.; and Richards, Kevin D., 4,850,196, C 138-103.000.

Meyers, Richard S.; and Willford, George A., 4,823,596, C 73-118.100.

Mullins, Dennis R., 4,837,941, Cl. 33-626.000.

Otteson, Jack O., 4,798,258, Cl. 180-175.000.

Pollock, Paul R.; and Stoneburner, Larry P., 4,798,104, C 280-96.100.

Schneider, Jack H.; and Gray, Larry O., 4,856,072, Cl. 381-86.0

Shifflet, Glenn; Johnson, Herbert C.; and Revenaugh, Paul 4,838,077, Cl. 73-118.100.

Zackrisson, Barry L.; and Beckman, John A., 4,888,224, C 428-35.900.

Ziotek, Thaddeus F., 4,878,570, Cl. 192-45.000.

Dana, David E.; Davis, Richard A.; Hudson, Howard J.; and Morr Steven J., to PPG Industries, Inc. Chemically treated glass fibers f reinforcing thermosetting polymers. 4,808,478, 2-28-89, C 428-391.000.

Dana-Farber Cancer Institute, Inc.: *See—*

Lambert, John M.; Blattler, Walter A.; and Senter, Peter 4,888,415, Cl. 530-390.000.

Schlossman, Stuart; Morimoto, Chikao; and Rudd, Christopher, 4,882,424, Cl. 530-387.000.

Todd, Robert F., III; Lucchesi, Benedict R.; Simpson, Paul J.; Griffin, James D.; and Schlossman, Stuart F., 4,840,793, Cl. 424-85.800.

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Dana, Michel: *See—*

Jutand, Francis; Demassieux, Nicolas; and Dana, Michel, 4,853,887, Cl. 364-784.000.

Danby, Clive M.: *See—*

Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,811,136, Cl. 361-79.000.

Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,812,943, Cl. 361-92.000.

Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,814,934, Cl. 361-88.000.

Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,879,624, Cl. 361-65.000.

Danby, Hal C.; and Rinson, Carl, to Critikon, Inc. Parenteral solution pump assembly. 4,846,636, 7-11-89, Cl. 417-413.000.

Dance, Creg W.: *See—*

Wolff, Rodney G.; Dance, Creg W.; Letac, Brice; and Cribier, Alain, 4,830,003, Cl. 128-343.000.

Dance, Mark N.: *See—*

McEwen, James A.; Godolphin, William J.; Bohl, Rainer M.; Dance, Mark N.; Furse, Martin L.; and Osborne, John C., 4,828,716, Cl. 210-740.000.

Dance, William E., to LTV Aerospace and Defense Company. Lightweight, low energy neutron radiography inspection device. 4,830,813, 5-16-89, Cl. 376-110.000.

Dancer, Jeffrey W.: *See—*

O'Connor, James E.; Beever, William H.; Dancer, Jeffrey W.; Beaulieu, William B.; Selby, Larry M.; and Rhodes, Virgil H., Jr., 4,883,552, Cl. 156-180.000.

Dancy, Carl Livingston, Sr.: *See—*

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Dancy, Hugh G., to Sonoco Products Company. Two-compartment plastic bag. 4,872,766, 10-10-89, Cl. 383-10.000.

Dancy, Steven A.: *See—*

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Dandan, Issa R.: *See—*

Linke, Thomas A.; Dandan, Issa R.; Livingston, Troy W.; and Wilkerson, Alan W., 4,873,792, Cl. 51-165.800.

Dandeneau, James V. Method and apparatus of forming extruded article. 4,888,146, 12-19-89, Cl. 264-171.000.

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Hunslein, Julius; Wittauer, Gunther; Knoll, Helmut; and Dandl, Robert, 4,798,938, Cl. 219-395.000.

Dandliker, R.: *See—*

Khanna, S. M.; Willemin, J. F.; and Dandliker, R., 4,834,111, Cl. 128-774.000.

Dandliker, Walter B.; Barr, Howard S.; Katzenstein, Henry S.; and Watson, Keith R., to Diatron Corporation. Fluorometer. 4,877,965, 10-31-89, Cl. 250-458.100.

D'Andolfo, Francesco; and Grampa, Fulvio, to Snia Fibre s.p.a. Single stage process for producing continuous polyester-based multifilament yarns at high speed. 4,855,099, 8-8-89, Cl. 264-103.000.

D'Andolfo, Francesco: *See—*

Ciaperoni, Aldemaro; Cappelli, Alberto; D'Andolfo, Francesco; and Salan, Antonio, 4,873,296, Cl. 525-434.000.

Dandrea, Michael B.: *See—*

Webb, Frederick W., Jr.; Almendinger, Allen D.; Bright, Kevin L.; Hendren, Kenneth J.; Petersen, Donald D.; Dandrea, Michael B.; and Carlson, Wesley R., 4,819,162, Cl. 364-401.000.

Dandridge, Anthony: *See—*

Kersey, Alan D.; and Dandridge, Anthony, 4,889,986, Cl. 250-227.000.

Koo, Kee P.; Bucholtz, Frank; and Dandridge, Anthony, 4,881,813, Cl. 356-345.000.

Danek, Robert J., to General Electric Company. Circuit breaker with removable display and keypad. 4,870,531, 9-26-89, Cl. 361-93.000.

Danel, Alexander R.: *See—*

Lohrey, David W.; and Danel, Alexander R., 4,803,348, Cl. 235-381.000.

Danel, Paul, to Ciba-Geigy Corporation. Dyeing or finishing process using padding with continuous fixing of textile materials: graft polymer and microwave heating. 4,861,342, 8-29-89, Cl. 8-444.000.

Daneshmandi, Shahram: *See—*

Ford, Douglas W.; Johnson, Walter A.; and Daneshmandi, Shahram, 4,853,861, Cl. 364-424.060.

Danesi, Pier R.: *See—*

Alexandratos, Spiro D.; Danesi, Pier R.; and Horwitz, E. Philip, 4,879,316, Cl. 521-27.000.

Danforth, John W. Controllable flexibility catheter. 4,822,345, 4-18-89, Cl. 604-282.000.

Danforth, John W. Angioplasty dilitation balloon catheter. 4,881,547, 11-21-89, Cl. 128-344.000.

Danforth, R. L.; Gergen, W. P.; and Neate, J. A., to Shell Oil Company. Method of composite part fabrication. 4,857,147, 8-15-89, Cl. 162-156.000.

Danforth, Richard L.; and Gilmore, Dennis W., to Shell Oil Company. Polyketone roofing membranes. 4,820,578, 4-11-89, Cl. 428-291.000.

Danforth, Richard L.; Handlin, Dale L., Jr.; Gergen, William P.; and Lutz, Robert G., to Shell Oil Company. Blends and articles of linear alternating polyketone polymer with polyurethane polymer. 4,851,482, 7-25-89, Cl. 525-455.000.

Danforth, Richard L.; and Smith, Darlene G., to Shell Oil Company. Polyketone flame retardant composition. 4,885,318, 12-5-89, Cl. 524-281.000.

Danforth, Richard L.; and Smith, Darlene G., to Shell Oil Company. Flame retardant compositions. 4,885,328, 12-5-89, Cl. 525-424.000.

Danforth, Richard L.: *See—*

George, Eric R.; Danforth, Richard L.; and Byrd, Paul S., 4,874,801, Cl. 523-214.000.

Samuelson, Gay M.; St. Clair, David J.; and Danforth, Richard L., 4,869,966, Cl. 428-428.000.

Danfoss A/S: *See—*

Avelov, Rolf L., 4,863,097, Cl. 236-12.200.

Berntsen, Bjarne K.; Prebensen, Mads F.; and Plong, Ole, 4,845,956, Cl. 62-225.000.

Harvest, Nils-Ole; and Rasmussen, Jorgen, 4,811,189, Cl. 363-53.000.

Iversen, Kristian; and Zachu, Per G., 4,853,671, Cl. 338-308.000.

Karlberg, Niels G., 4,858,515, Cl. 91-516.000.

Lund, Egon; and Petersen, Poul, 4,808,872, Cl. 310-215.000.

Outzen, Svend E., 4,871,300, Cl. 417-363.000.

Pedersen, Poul H. H.; and Rasmussen, Ivar, 4,827,800, Cl. 74-805.000.

Pedersen, Poul H. H., 4,828,272, Cl. 277-165.000.

Thomsen, Flemming; Nissen, Harry S.; Ravn, Kjeld; and Dixen, Carl C., 4,870,892, Cl. 91-361.000.

Dang, Chi H. Isokinetic physical exercise apparatus with controllable minimum resistance. 4,822,036, 4-18-89, Cl. 272-129.000.

Dang, Hiep D.: *See—*

Gardner, Gary L., Sr.; Pimlott, John R.; Dang, Hiep D.; and Hicks, Roy L., 4,846,952, Cl. 204-279.000.

Dang, Mieu-Hong; James, Nigel V.; Jreij, Elie A.; and Taborga, Jorge R., to International Business Machines Corporation. Method for monitoring telephone status changes. 4,847,893, 7-11-89, Cl. 379-95.000.

Dang Vu, Quang; Durand, Daniel; Le Page, Jean-Francois; Courty, Philippe; and Forestiere, Alain, to Institut Francais du Petrole. Process for manufacturing synthesis gas or hydrogen by catalytic conversion of methanol in the liquid phase. 4,847,000, 7-11-89, Cl. 252-373.000.

Dangayach, Kailash C. B., to Shell Oil Company. Stabilized epoxy resin compositions. 4,855,340, 8-8-89, Cl. 523-456.000.

D'Angelo, Charles; Baldoni, Joseph G., II; and Buljan, Sergej-Tomislav, to GTE Laboratories Incorporated. Method of coating metal carbide, nitride, and carbonitride whiskers with metal carbides, nitrides, carbonitrides, or oxides. 4,810,530, 3-7-89, Cl. 427-215.000.

D'Angelo, Domenico; and Visconti, Marco, to Alfa Romeo Auto S.p.A. Gasoline feed device for internal combustion engine. 4,829,966, 5-16-89, Cl. 123-478.000.

D'Angelo, Joseph J., to Crowell Corporation, The. Packaging. 4,864,802, 9-12-89, Cl. 53-450.000.

D'Angelo, Louis: *See—*

Owen, Charles S.; Silvia, John C.; D'Angelo, Louis; and Liberti, Paul A., 4,795,698, Cl. 435-4.000.

D'Angelo, Philip J.; Hetherington, Richard; and Rogan, Joseph J., to Epicor Incorporated. Method for purifying liquids. 4,853,130, 8-1-89, Cl. 210-663.000.

Danguy des Deserts, Loic M. J.; Sedillot, Francois O.; and Michel, Dominique, to Doris Engineering. Oscillating marine platform with a rigid base. 4,797,034, 1-10-89, Cl. 405-202.000.

Danho, Waleed; Triscari, Joseph; and Madison, Vincent S., to Hoffmann-La Roche Inc. Cyclic peptides having appetite regulating activity. 4,808,701, 2-28-89, Cl. 530-317.000.

Danico, Kathleen: *See—*

Danico, Richard; and Danico, Kathleen, 4,889,572, Cl. 156-63.000.

Danico, Richard; and Danico, Kathleen. Methods of making tile designs. 4,889,572, 12-26-89, Cl. 156-63.000.

Daniel, Aaron E.; and Rule, Daniel P., to Rule Steel Tanks, Inc. Storage box. 4,854,461, 8-8-89, Cl. 220-4.00R.

Daniel Aguilo Panisello S.A.: *See—*

Vilella, Antonio R., 4,799,620, Cl. 229-191.000.

Daniel, Arthur A.; Irvin, David R.; and Moore, Robert E., to International Business Machines Corp. Method and apparatus for communication network alert record identification. 4,823,345, 4-18-89, Cl. 371-37.000.

Daniel, Daniel S.; Delton, Mary H.; and Warren, Harold C., III, to Eastman Kodak Company. Lithium ion-selective compositions, electrodes and a method of use. 4,853,090, 8-1-89, Cl. 204-1.00T.

Daniel Den Hoed Stichting: *See—*

Martijnissen, Johannes P. A.; Jansen, Harald; and Star, Willem M., 4,848,323, Cl. 128-6.000.

Daniel, Horst: *See—*

Nirhawan, Subash-Chander; Daniel, Horst; and Dennstedt, Wolf, 4,840,857, Cl. 429-197.000.

Daniel, John K.: *See—*

Anzeveno, Peter B.; Daniel, John K.; Creemer, Laura J.; and Liu, Paul S., 4,880,917, Cl. 536-17.400.

Daniel, Len A.: *See—*

Swank, David T.; Eater, Edrick H.; and Daniel, Len A., 4,806,042, Cl. 403-341.000.

Daniel, Mervyn F.: *See—*

Smith, Gilbert W.; Daniel, Mervyn F.; Barton, John W.; and Ratcliffe, Norman M., 4,876,150, Cl. 428-411.100.

Daniel, Peter: *See—*

Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Daniel, Peter; Morgenstern, Rainer; Wehner, Wilfried; and Polster, Manfred, 4,801,300, Cl. 623-22.000.

Daniel, Podlesny B.; Lopez, Ralph; and Waldner, Kurt. Broad putty knife with snap-on tang. 4,794,694, 1-3-89, Cl. 30-169.000.

Daniel, Richard A., to Intelligent Instrumentation, Inc. Peripheral DMA controller for data acquisition system. 4,847,750, 7-11-89, Cl. 364-200.000.

Daniel, Richard A.: *See—*

Sanwo, Ikuo J.; Simeral, John D.; and Daniel, Richard A., 4,888,501, Cl. 307-475.000.

Daniel, Sabah S.: *See—*

Kaiser, Timothy D.; Daniel, Sabah S.; and Dykes, Charles D., 4,813,471, Cl. 164-451.000.

Daniel, Vernon T.; and Gettliffe, Jessie, to Burlington Industries, Inc. Solvent dyeing and heatsetting apparatus. 4,866,957, 9-19-89, Cl. 68-5.00D.

Daniel, Vernon T.; Gettliffe, Jessie; and Lorenzo, Tina V., to Burlington Industries, Inc. Elastomeric cleaner for grooved rotating rolls. 4,872,416, 10-10-89, Cl. 118-203.000.

Danielak, Ann C.; Andersen, Michael A.; and Disko, Harry, to Marvin Glass & Associates. Toy bowling game. 4,832,339, 5-23-89, Cl. 273-45.000.

Daniele, Joseph J.; and Lofthus, Robert M., to Xerox Corporation. Motion sensor for sensing the relative position and velocity of a recording member. 4,837,636, 6-6-89, Cl. 358-300.000.

Daniele, Vincenzo; and Benedetti, Mirella, to SGS Microelettronica S.p.A. Protection of integrated circuits from electrostatic discharges. 4,839,768, 6-13-89, Cl. 361-56.000.

Daniele, Vincenzo; and Benedetti, Mirella, to SGS Microelettronica S.p.A. TTL compatible CMOS logic circuit for driving heavy capacitive loads at high speed. 4,868,422, 9-19-89, Cl. 307-451.000.

Daniele, Vincenzo; Monti, Marco M.; Taliercio, Michele; and Capocelli, Piero, to SGS-Thomson Microelectronics s.r.l. Analog integrated circuit having intrinsic topologies and characteristics selectable by a digital control. 4,875,020, 10-17-89, Cl. 330-307.000.

Danieli & C. Officine Meccaniche SpA: *See—*

Benedetti, Giampietro; and Fasano, Fulvio, 4,797,154, Cl. 75-46.000.

Drigani, Fausto; and Poloni, Alfredo, 4,883,372, Cl. 384-585.000.

Durr', Antonino; and Nonini, Geremia, 4,879,893, Cl. 72-402.000.

Geremia, Nonini, 4,799,426, Cl. 100-218.000.

Geremia, Nonini, 4,815,371, Cl. 100-35.000.

Giancarlo, Cristiani, 4,873,857, Cl. 72-257.000.

Nigris, Giovanni; and Manera, Roberto, 4,889,178, Cl. 164-448.000.

Nonini, Geremia, 4,872,330, Cl. 72-131.000.

Poloni, Alfredo; Nonini, Geremia; and Tomat, Ferruccio, 4,807,457, Cl. 72-128.000.

Danieli & C. Officine Mecchaniche SpA: *See—*

Cicin-Sain, Ivo, 4,846,282, Cl. 171-16.000.

Danieli, Guido. Flexible endoscope. 4,873,965, 10-17-89, Cl. 128-6.000.

Daniello, Helene, legal representative: *See—*

Szekely, Ladislau, deceased; and Stieler, Fred, 4,889,555, Cl. 75-0.50R.

Daniels, Charles K., to N.L. Industries, Inc. Apparatus for increasing the load handling capability of support and manipulating equipment. 4,867,418, 9-19-89, Cl. 254-277.000.

Daniels, Charles M., Jr., to Bares Group, The. Power press. 4,845,826, 7-11-89, Cl. 29-252.000.

Daniels, Charley H. Hand and gut guard. 4,841,640, 6-27-89, Cl. 30-294.000.

Daniels, Darleen. Unitary contiguous face and neck protector all weather cover for hard head gear. 4,887,319, 12-19-89, Cl. 2-410.000.

Daniels, Donald L., Jr.; and Garcia, Ruben G., to Manville Corporation. Single-layered, chemical resistant floor covering material. 4,847,310, 7-11-89, Cl. 524-35.000.

Daniels, Donald V.: *See—*

Brown, David A.; Daniels, Donald V.; and Harrison, Joel N., 4,814,909, Cl. 360-78.070.

Brown, David A.; Daniels, Donald V.; and Harrison, Joel N., 4,872,074, Cl. 360-77.070.

Daniels, Duane D. Newspaper dispenser. 4,802,606, 2-7-89, Cl. 221-39.000.

Daniels, Edward P., Jr., to Pitney Bowes Inc. Postage value determining scale with recall and display of special fee entries. 4,814,995, 3-21-89, Cl. 364-464.020.

Daniels, Gary J. Cartridge loader for revolvers. 4,796,371, 1-10-89, Cl. 42-89.000.

Daniels, George R.: *See—*

Morris, Scott S.; and Daniels, George R., 4,796,066, Cl. 355-26.000.

Daniels, James A.; Douthett, Joseph A.; and Tack, John G., to Armco Advanced Materials Corporation. Duplex stainless steel with high manganese. 4,828,630, 5-9-89, Cl. 148-325.000.

Daniels, James A., to Imperial Chemical Industries PLC. Aromatic polymers. 4,866,273, 9-19-89, Cl. 528-173.000.

Daniels, John T. Non-fogging shower mirror. 4,832,475, 5-23-89, Cl. 350-588.000.

Daniels, John M.: *See—*

Macier, James E.; Binverse, Gregory J.; Calacino, David [illegible]; and Daniels, John M., 4,870,929, Cl. 123-78.00R.

Daniels, John R.: *See—*

Engelson, Erick T.; and Daniels, John R., 4,813,934, Cl. 604-99.000.

Daniels, Keith L., to Reading Technologies, Inc. Inverse flow depth filter assembly. 4,822,387, 4-18-89, Cl. 55-323.000.

Daniels, Kurt; Williams, John D.; Wise, Percy W.; Jackson, Ian; and Cox, John, to H. S. Jackson & Son (Fencing) Ltd. Gates. 4,813,1[illegible], 3-21-89, Cl. 49-501.000.

Daniels, Larry: *See—*

Andre, James R.; and Daniels, Larry, 4,838,317, Cl. 138-135.000.

Daniels, Martin D.; and Roskell, Derek, to Texas Instruments Incorporated. Logic circuit having individually testable logic modules. 4,860,290, 8-22-89, Cl. 371-25.000.

Daniels, Neil A.: *See—*

Soults, Donald J.; and Daniels, Neil A., 4,873,513, Cl. 340-723.000.

Daniels, Nicholas R., to Emerson Electric Co. Cover assembly to protect an electric motor centrifugal actuator. 4,839,549, 6-13-89, Cl. 310-68.00E.

Daniels, Pamela M.: *See—*

Williams, Barry W.; and Daniels, Pamela M., 4,883,657, Cl. 424-72.000.

Williams, Barry W.; and Daniels, Pamela M., 4,895,160, Cl. 424-72.000.

Daniels, Ralph S. Fertilizer process. 4,836,843, 6-6-89, Cl. 71-25.000.

Daniels, Raymond R. J., to Guy-Raymond Engineering Company Ltd. Castors braked either in response to a load or to the absence of a load. 4,821,369, 4-18-89, Cl. 16-35.00R.

Daniels, Steven D.; Maslanka, Daniel C.; and Morse, John E., to Eastman Kodak Company. Head transport assembly having simplified mutually independent positional adjustments. 4,875,122, 10-17-89, Cl. 360-109.000.

Daniels, Thomas E. Convertible tethering system. 4,796,566, 1-10-89, Cl. 119-124.000.

Daniels, William A.: *See—*

Ricker, William F.; and Daniels, William A., 4,816,588, Cl. 546-321.000.

Danielsen, Carl M.: *See—*

Brown, Daniel P.; Danielsen, Carl M.; and Dabbish, Ezzat A., 4,853,884, Cl. 364-602.000.

Danielson, Arvin D.; and Durbin, Dennis A., to Norand Corporation. Hand-held instant bar code reader system with automated focus based on distance measurements. 4,877,949, 10-31-89, Cl. 235-462.000.

Danielson, Jeanne D.; and Lewis, David D., to United States of America, Agriculture. Multiple bandmill for making a plurality of sawlines in the same longitudinal plane at one time. 4,864,905, 9-12-89, Cl. 83-808.000.

Danielson, Susan J.: *See—*

Burdick, Brent A.; and Danielson, Susan J., 4,801,504, Cl. 428-403.000.

Danielsson, Agneta: *See—*

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Danielsson, Dag, to ASEA Aktiebolag. Speed difference measurement in strip casting. 4,849,917, 7-18-89, Cl. 364-565.000.

Danielsson, Ingvar, to Thorsman & Co. Aktiebolag. Cable carrier. 4,844,419, 7-4-89, Cl. 254-134.3PA.

Danielsson, Per. Method and a device for deep hole drilling. 4,889,[illegible], 12-26-89, Cl. 175-65.000.

Danielsson, Sven-Arne; and Danielsson, Agneta. Device for securing tools in metal working machine. 4,822,220, 4-18-89, Cl. 409-233.000.

Danigel, Harald; and Schatzmann, Hans-Rudolf, to Ciba-Geigy Corporation. Process cell with temperature compensation. 4,872,[illegible], 10-10-89, Cl. 356-246.000.

Danilatos, Gerasimos D.; and Lewis, George C., to ElectroScan Corporation. Integrated electron optical/differential pumping/imaging signal detection system for an environmental scanning electron microscope. 4,823,006, 4-18-89, Cl. 250-310.000.

Danilatos, Gerasimos D.: *See—*

Mancuso, James F.; Maxwell, William B.; and Danilatos, Gerasimos D., 4,880,976, Cl. 250-310.000.

Danilova, Zinaida P.: *See—*

Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P.; Kovarsky, Alexandr V.; and Egorov, Jury G., 4,805,424, Cl. 66-194.000.

Danin, Colin. Frame. 4,827,648, 5-9-89, Cl. 40-154.000.

Danippon Screen Mfg. Co., Ltd.: *See—*

Yao, Koji, 4,887,225, Cl. 364-518.000.

Danisch, Lee A. Fiber optic liquid level sensor. 4,880,971, 11-14-89, Cl. 250-227.000.

Danisch, Robert: *See—*

Hay-Kaufman, Martha L.; Becker, Rosette; and Danisch, Robert, 4,818,677, Cl. 435-4.000.

Danisch, Ruediger; Krutzik, Norbert; Schad, Otto; Zerna, Wolfgang; and Stangenberg, Friedhelm, to Siemens Aktiengesellschaft. Building made from concrete walls, in particular for nuclear plants. 4,851,[illegible], 7-25-89, Cl. 376-285.000.

Danish Hyperthermia Foundation, The: *See—*

Andersen, Jorgen B.; and Raskmark, Povl, 4,819,642, Cl. 12[illegible]-419.00R.

Daniszewski, Edward J.: *See—*

Schwarz, James A.; Daniszewski, Edward J.; and Hutta, Joseph J., 4,810,926, Cl. 313-346.00R.

Danjo, Koutaro: *See—*

Takeuchi, Satoshi; Danjo, Koutaro; Tahara, Shigehiko; Yoshiharu; and Ikeda, Satoshi, 4,856,857, Cl. 350-3.600.

Danjo, Masamichi: *See—*

Kano, Koichi; Ka[illegible], Takayuki; Danjo, Masamichi; and Okada, Etsuo, 4,81[illegible], Cl. 366-162.000.

Danker, Fred J.; and Hayes, Thomas P., to Ciba Vision Inc. and Stockwell Ventures Inc. Container for storing contact [illegible] conditioning them with a liquid that releases gas. 4,826,000, 5-2-89, Cl. 206-5.100.

Danko, Donald. Brake durm cleaner assembly and method of cleaning. 4,841,999, 6-27-89, Cl. 134-22.100.

Dankowski, Manfred, to Degussa Aktiengesellschaft. Process for the production of water insoluble peroxycarboxylic acids. 4,795,594, 1-3-89, Cl. 260-502.00R.

Dankowski, Manfred; and Hofen, Willi, to Degussa Aktiengesellschaft. Process for the desensitization of water-insoluble peroxycarboxylic acids. 4,874,556, 10-17-89, Cl. 562-2.000.

Dankowski, Manfred; Lieser, Thomas; Prescher, Gunter; Leonhardt, Wolfgang; and Diehl, Manfred, to Degussa Aktiengesellschaft. Aqueous bleaching agent suspensions containing peroxycarboxylic acid, method for their preparation and use. 4,879,057, 11-7-89, Cl. 252-99.000.

Dankowski, Manfred: *See—*

Janda, Ralf; and Dankowski, Manfred, 4,866,146, Cl. 526-213.000.

Danks, Don: *See—*

Slechter, Charles G., III; Danks, Don; and Strong, Dale, 4,852,874, Cl. 272-137.000.

Danks, Walter L., legal representative: *See—*

Toye, Edward W.; Bowen, Leslie, deceased; Bowen, Janet R., legal representative; and Danks, Walter L., legal representative, 4,842,129, Cl. 198-790.000.

Danley, Thomas J.; and Rey, Charles A., to Intersonics Incorporated. Horn loaded transducer for acoustic levitation. 4,841,495, 6-20-89, Cl. 367-191.000.

Danley, Thomas J., to Intersonics Incorporated. Sound source having a plurality of drivers operating from a virtual point. 4,845,759, 7-4-89, Cl. 381-97.000.

Danly, Donald E.: *See—*

Pischke, Lemoyne W.; and Danly, Donald E., 4,851,466, Cl. 524-413.000.

Danmar Products, Inc.: *See—*

Marchello, John L., 4,821,345, Cl. 2-425.000.

Danmic Software and Technology, Inc.: *See—*

Boumberg, Iosif, 4,801,246, Cl. 417-121.000.

Dann, Lynn D.; and Rapp, Earl E., to Eastman Kodak Company. Video camera microphone with zoom variable acoustic focus. 4,862,278, 8-29-89, Cl. 358-225.000.

Danna, Dominick: *See—*

English, Stanley R.; and Danna, Dominick, 4,862,253, Cl. 358-42.000.

Wawro, Thaddeus J.; English, Stanley R.; and Danna, Dominick, 4,887,154, Cl. 358-98.000.

Danna, Dominick A.; Salvati, Jon; and Ciarlei, Joseph A., to Welch Allyn, Inc. Auxiliary light apparatus for borescope. 4,853,774, 8-1-89, Cl. 358-98.000.

Danna, Gary F.: *See—*

Chance, Leon H.; and Danna, Gary F., 4,818,243, Cl. 8-116.400.

Vigo, Tyrone L.; Frost, Cynthia M.; Bruno, Joseph S.; and Danna, Gary F., 4,851,291, Cl. 428-393.000.

Dannatt, Hugh S., to Pitney Bowes Inc. Tape module for a modular mailing machine. 4,852,786, 8-1-89, Cl. 226-137.000.

Dannatt, Hugh S., to Pitney Bowes Inc. Cutter module for a modular mailing machine. 4,886,132, 12-12-89, Cl. 177-4.000.

Dannels, Bobby F.; Fifolt, Michael J.; and Tang, David Y., to Occidental Chemical Corporation. Telomers prepared from chlorotrifluoroethylene and 1,2-dibromo-2-chlorotrifluoroethane. 4,808,760, 2-28-89, Cl. 570-139.000.

Dannels, Bobby F.; and Olsen, Deborah J., to Occidental Chemical Corporation. Process for preparing telomers from chlorotrifluoroethylene and trifluorotrichloroethane. 4,849,556, 7-18-89, Cl. 570-172.000.

Dannels, Bobby F.; Olsen, Deborah J.; and Forcucci, John, to Occidental Chemical Corporation. Purification of telomers prepared from chlorotrifluoroethylene and trichlorotrifluoroethane. 4,873,382, 10-10-89, Cl. 570-177.000.

Dannels, Bobby F.: *See—*

Maul, James J.; Dannels, Bobby F.; and Tang, David Y., 4,801,763, Cl. 570-177.000.

Dannenberg, Robert D., to Navistar International Transportation Corp. Time multiplexed control of air core gauges from a microprocessor address/data bus. 4,875,041, 10-17-89, Cl. 340-870.130.

Danner, Alfred; Mueller, Ulrich; Unger, Klaus; and Hoelderich, Wolfgang, to BASF Aktiengesellschaft. Alkali-free preparation of large pentasil crystals as coated catalysts and fully crystalline catalysts. 4,871,701, 10-3-89, Cl. 502-62.000.

Danner, B. Lee: *See—*

Pallini, Joseph W., Jr.; Milberger, Lionel J.; and Danner, B. Lee, 4,846,508, Cl. 285-175.000.

Danner, Bernard; and Schleusener, Eckart, to Sandoz Ltd. Water dispersible quaternized aminoamide-modified waxes useful as textile finishing agents. 4,885,325, 12-5-89, Cl. 524-236.000.

Danner, David L. Computer-telephone interface method and apparatus. 4,860,342, 8-22-89, Cl. 379-96.000.

Dannert, Horst; and Stormberg, Hans-Peter, to U.S. Philips Corporation. High-pressure discharge lamp having a thermal insulating member. 4,870,317, 9-26-89, Cl. 313-25.000.

D'Annessa, Anthony T.: *See—*

Baumgart, Jerry W.; D'Annessa, Anthony T.; Geyling, Franz T.; Flegal, William M.; and Miller, Thomas J., 4,820,322, Cl. 65-3.110.

Dannhaeuser, Friedrich, to Siemens Aktiengesellschaft. Method and apparatus for transmission of optical data between two electrically separated transmitting receiving units. 4,887,312, 12-12-89, Cl. 455-607.000.

Danninger Medical Technology: *See—*

Puno, Rolando M.; and Kelly, Kevin A., 4,805,602, Cl. 128-69.000.

Danno, Yoshiaki: *See—*

Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanae, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.

Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, 4,850,317, Cl. 123-306.000.

Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, 4,815,419, Cl. 123-41.420.

Dannoura, Sadayuki, to Ube Industries, Ltd. Die casting apparatus. 4,860,818, 8-29-89, Cl. 164-314.000.

Dannoura, Sadayuki, to Ube Industries, Ltd. Vertical injection apparatus for die casting machine. 4,871,010, 10-3-89, Cl. 164-253.000.

Dannoura, Sadayuki: *See—*

Ueno, Toyoaki; Dannoura, Sadayuki; and Uchida, Masashi, 4,799,534, Cl. 164-314.000.

Ueno, Toyoaki; Uchida, Masashi; and Dannoura, Sadayuki, 4,828,010, Cl. 164-113.000.

Ueno, Toyoaki; and Dannoura, Sadayuki, 4,836,267, Cl. 164-113.000.

D'Annunzio, Lynne M.; St. Phillips, Eric A.; and Sharps, Gordon V., Jr., to Mobil Oil Corporation. Extrusion apparatus for tubular thermoplastic films including two (tandem) spaced air rings for controlling cooling rate and production speeds. 4,834,924, 5-30-89, Cl. 264-40.300.

Danochemo A/S: *See—*

Thorengaard, Bitten, 4,870,166, Cl. 549-410.000.

Danon, Albert: *See—*

Amirav, Aviv; and Danon, Albert, 4,845,367, Cl. 250-423.00R.

Danos, Michael. Detection methods and apparatus for non-destructive inspection of materials with radiation. 4,821,304, 4-11-89, Cl. 378-86.000.

Dantee, Bernard; Houziaux, Patrick; and Lacolle, Jean-Yves, to Societe a Responsabilite Limitee: Institut de Recherches Chimiques et Biologiques Appliquees (I.R.C.E.B.A.). 5-[2-(pyrrolidin-1-yl)ethoxy]-p-cymene derivatives, the process for the preparation of the said derivatives and drugs in which the said derivatives are present. 4,795,758, 1-3-89, Cl. 514-428.000.

Dantee, Bernard; Faulques, Michelle; Lacolle, Jean-Yves; and Riffaud, Jean-Pierre, to Institut de Recherches Chimiques et Biologiques Appliquees (I.R.C.E.B.A.). Nicotinoylpiperazines useful for treatment of convulsions. 4,880,807, 11-14-89, Cl. 514-252.000.

Danregn Vindkraft A/S: *See—*

Vinther, Soren, 4,867,642, Cl. 416-23.000.

Dansk Industri Syndikat A/S: *See—*

Jacobsen, Ole A., 4,824,155, Cl. 294-88.000.

Jacobsen, Ole A., 4,840,416, Cl. 294-2.000.

Lund, Thomas A., 4,850,439, Cl. 175-52.000.

Danson, David P., to Wind Feather, United Science Asc. Wind turbine air foil. 4,886,421, 12-12-89, Cl. 416-236.00R.

Dant, Ronald E.: *See—*

Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.

DantecElectronik, Medicinsk OG Videnskabeligt Måleudstyr A/S: *See—*

Raagaard, Jacob; and Nielsen, Claus J., 4,886,337, Cl. 350-96.200.

Danti, Bernard R.: *See—*

Nechay, Jack A.; Bauer, Fritz E.; Danti, Bernard R.; and Lukkarinen, Mark, 4,832,783, Cl. 156-448.000.

Dantlgraber, Jorg, to Mannesmann Rexroth GmbH. Servo valve. 4,864,210, 9-5-89, Cl. 318-625.000.

D'Antonio, John: *See—*

Berg, Richard A.; Silver, Frederick H.; Pachence, James M.; and D'Antonio, John, 4,841,962, Cl. 128-156.000.

D'Antonio, Lawrence E. Method for the purification of parasite antigenic factors. 4,859,464, 8-22-89, Cl. 424-88.000.

Dantonio, Marietta T.: *See—*

Walsh, Brendan R.; and Dantonio, Marietta T., 4,858,349, Cl. 38-102.910.

D'Antonio, Nicholas D. Electronic-safety ski binding release. 4,851,706, 7-25-89, Cl. 307-119.000.

D'Antonio, Nicholas F.; and D'Antonio, Nicholas J. Sensor and transducer apparatus. 4,823,619, 4-25-89, Cl. 73-862.580.

D'Antonio, Nicholas F.; and D'Antonio, Nicholas J., to Pfizer Hospital Products Group, Inc. Dry bottle drainage system. 4,889,531, 12-26-89, Cl. 604-319.000.

D'Antonio, Nicholas F.: *See—*

Sugarman, Edward D.; D'Antonio, Nicholas F.; and D'Antonio, Nicholas J., 4,858,620, Cl. 128-774.000.

D'Antonio, Nicholas J.: *See—*

D'Antonio, Nicholas F.; and D'Antonio, Nicholas J., 4,823,619, Cl. 73-862.580.

D'Antonio, Nicholas F.; and D'Antonio, Nicholas J., 4,889,531, Cl. 604-319.000.

Sugarman, Edward D.; D'Antonio, Nicholas F.; and D'Antonio, Nicholas J., 4,858,620, Cl. 128-774.000.

D'Antonio, Peter; and Konnert, John H., to RPG Diffusor Systems, Inc. Sound absorbing diffusor. 4,821,839, 4-18-89, Cl. 181-198.000.
Danutec Werkstoff Gesellschaft m.b.H.: *See—*
  Horacek, Heinrich; and Kugler, Franz, 4,863,790, Cl. 428-285.000.
  Schnell, Peter; Maier-Lehner, Franz; and Spaun, Rudiger;, 4,886,684, Cl. 427-370.000.
Danyu, Jackson M. Erasable ballpoint-pen ink before being cured. 4,830,670, 5-16-89, Cl. 106-23.000.
Danz, J. Roger, to Danz Research & Mfg., Inc. Weapon holder. 4,858,359, 8-22-89, Cl. 42-94.000.
Danz Research & Mfg., Inc.: *See—*
  Danz, J. Roger, 4,858,359, Cl. 42-94.000.
Danzig, Morris J.; and Kinnersley, Alan M., to CPC International Inc. Method for regulating plant growth using sulfur-containing organic acids. 4,799,953, 1-24-89, Cl. 71-98.000.
Danzig, Morris J.; and Kinnersley, Alan M., to CPC International Inc. Method for regulating plant growth using xanthates. 4,806,149, 2-21-89, Cl. 71-100.000.
Danziger, Jay: *See—*
  Levy, Raymond H., 4,858,605, Cl. 128-203.110.
Danziger, Leslie A.: *See—*
  Hagerty, James J.; and Danziger, Leslie A., 4,883,522, Cl. 65-18.400.
Danzy, Roger D., to Dresser Industries, Inc. Valve seal. 4,848,729, 7-18-89, Cl. 251-332.000.
Daoud, Edward D., to Rockwell International Corporation. Single sideband signal generator. 4,835,791, 5-30-89, Cl. 375-61.000.
Daoud, Iyadh S. to Brewing Research Foundation, The. Separation of wort from mash. 4,844,932, 7-4-89, Cl. 426-489.000.
DAP Inc.: *See—*
  Strader, Hartzel G., 4,855,348, Cl. 524-317.000.
Dapo, Roland, to North American Philips Corporation. Use of choline as the cation in capacitor for electrolytes. 4,835,660, 5-30-89, Cl. 361-504.000.
Dapo, Roland F., to North American Philips Corporation. Long chain carboxylic acids for very high voltage aluminum electrolytic capacitors. 4,860,169, 8-22-89, Cl. 361-506.000.
Dapo, Roland F., to North American Philips Corporation. Electrolytic capacitor for use in a wide temperature range and high voltages. 4,885,660, 12-5-89, Cl. 361-506.000.
Dapo, Roland F.. *See—*
  Stevens, James L.; and Dapo, Roland F., 4,861,439, Cl. 204-27.000.
Daponte, Diego H., to Kimberly-Clark Corporation. Coformed ethylene-vinyl copolymer elastomeric fibrous webs. 4,803,117, 2-7-89, Cl. 428-228.000.
Daponte, Diego H.; Fox, Norman K.; and Funk, Robert A., to Kimberly-Clark Corporation. Health care laminate. 4,818,597, 4-4-89, Cl. 428-284.000.
Daponte, Diego H., to Kimberly-Clark Corporation. Composite elastomeric material. 4,863,779, 9-5-89, Cl. 428-152.000.
Daponte, Diego H.: *See—*
  Win, Maung H.; Lloyd, William D.; Abba, William A.; and Daponte, Diego H., 4,853,142, Cl. 252-90.000.
Dapore, Mark A.; and Titus, Daniel A., to Cincinnati Electronics Corporation. Self-test device and method having an amplifier converted into an oscillator. 4,864,639, 9-5-89, Cl. 455-226.000.
Dapper, Mark: *See—*
  Geile, Michael; Dapper, Mark; and Hill, Terrance, 4,879,527, Cl. 331-1.00A.
Dapperheld, Steffen; Heumuller, Rudolf, and Wildt, Manfred, to Hoechst Aktiengesellschaft. Electrochemical process for the replacement of halogen atoms in an organic compound. 4,300,012, 1-24-89, Cl. 204-73.00R.
D'Aquila, Daniel L.: *See—*
  Abrams, Martin L.; D'Aquila, Daniel L.; and Scheffler, Glenn W., 4,824,740, Cl. 429-24.000.
  Misage, Robert J.; D'Aquila, Daniel L.; and Grasso, Albert P., 4,824,738, Cl. 429-12.000.
D'Aquino, Anthony A. Self-propelled fishing device. 4,811,515, 3-14-89, Cl. 43-26.100.
DAR Products Corporation: *See—*
  Caruthers, Scott, 4,813,669, Cl. 272-122.000.
  Caruthers, Scott, 4,880,228, Cl. 272-122.000.
Dar, Tariq B., to General Electric Company. Satellite communications using the telemetry tracking and control system. 4,809,006, 2-28-89, Cl. 342-352.000.
Dara, Prithipal, to Reliance Comm/Tec Corporation. Mid-plane board and assembly therefor. 4,876,630, 10-24-89, Cl. 361-413.000.
d'Aragona, Frank S.; and Liaw, Hang M., to Motorola Inc. Method of making a void free wafer via vacuum lamination. 4,818,323, 4-4-89, Cl. 156-286.000.
d'Aragona, Frank S.: *See—*
  Hansen, Kent W.; d'Aragona, Frank S.; and Liaw, Hang M., 4,849,371, Cl. 437-82.000.
Darbo, Howard H. Tear-off tape and method of making the same. 4,851,064, 7-25-89, Cl. 156-153.000.
Darbut, Alexander L.; and Ralph, Vernon C., to Honeywell Inc. Undersea wet-mateable fiber optic connector. 4,887,883, 12-19-89, Cl. 350-96.210.
Darby, Christian. Game device for randomly selecting players. 4,842,276, 6-27-89, Cl. 273-1.00E.
Darby, Elaine B.: *See—*
  Shirtum, Robert P.; and Darby, Elaine B., 4,877,857, Cl. 528-95.000.
Darby, Robert J.: *See—*
  Powel, Stephen S.; and Darby, Robert J., 4,834,314, Cl. 242-125.100.
Darby, Ted A., to North American Philips Corporation. Noise measurement for video signals. 4,873,574, 10-10-89, Cl. 358-139.000.
Darbyshire, John: *See—*
  Buhler, Marcel; Darbyshire, John; and Jaccard, Michel, 4,815,95 Cl. 425-222.000.
Darcey, Owen: *See—*
  Conley, Arthur; Darcey, Owen; and Mulligan, Joseph, Jr. 4,805,517, Cl. 92-8.000.
Darche, Michel J. P., to Societe ECA. System for exploring and obser-ing subaquatic beds for a submarine device and for controlling same 4,843,996, 7-4-89, Cl. 114-245.000.
Darche, Yves: *See—*
  Gongora, Henri; and Darche, Yves, 4,876,389, Cl. 568-26.000.
Darcie, Thomas E.; and Saleh, Adel A. M., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. N×N single-mode optical waveguide coupler. 4,842,368, 6-27-89, Cl. 350-96.150.
Darcy, Emile: *See—*
  Bianco, James S.; Darcy, Emile; and Drummond, Bernard 4,816,659, Cl. 235-462.000.
Darcy, John J.: *See—*
  Thomsen, Karl V.; Darcy, John J.; Griswold, Augustus W.; Hartonoff, Boris W.; and Pond, Jacob, 4,838,964, Cl. 156-73.100.
  Thomsen, Karl V.; Darcy, John J.; Griswold, Augustus W.; Hartonoff, Boris W.; and Pond, Jacob, 4,878,985, Cl. 156-459.000.
Dard, Jean-Claude: *See—*
  Perville, Jacques; Lasjaunias, Thierry; Dard, Jean-Claude; and Jaffres, Remy, 4,832,512, Cl. 400-18.000.
Dard, Pierre; and Maes, Fabrice, to La Telemecanique Electrique. Device for the indexed fixing of a control unit. 4,851,962, 7-25-89, Cl. 361-334.000.
Dard, Pierre; and Maes, Fabrice, to La Telemecanique Electrique. Manually controlled switching apparatus. 4,879,437, 11-7-89, Cl. 200-1.00R.
Darda, Helmut. Spring motor. 4,832,156, 5-23-89, Cl. 185-38.000.
Dardat, Klaus: *See—*
  Knothe, Erich; Melcher, Franz-Josef; Maaz, Gunther; Dardat, Klaus; and Sodler, Walter, 4,798,250, Cl. 177-181.000.
Darden, Bruce V.: *See—*
  Anderson, Jerry M.; Cannon, Thomas C., Jr.; and Darden, Bruce V., 4,863,235, Cl. 350-96.210.
  Carlisle, Arthur W.; Darden, Bruce V.; and Myers, Clyde J. 4,812,009, Cl. 350-96.210.
Darden, Paul E.; and Dickson, Billy H., to Bell Helicopter Textron Inc. Landing gear load transducer. 4,850,552, 7-25-89, Cl. 244-100.00R.
Dardick, David; and Matcovich, John. Multiple tier ammunition magazine. 4,831,914, 5-23-89, Cl. 89-33.020.
Dardick, David. Cloud gun. 4,836,082, 6-6-89, Cl. 89-1.410.
Dardick, David: *See—*
  Rosenthal, Mark; and Dardick, David, 4,834,386, Cl. 273-146.000.
Dardik, Herbert. Mucoid absorbing dressing. 4,848,329, 7-18-89, Cl. 128-156.000.
Dardymov, Igor V.: *See—*
  Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.
Dare Products, Inc.: *See—*
  Wilson, Robert M., Jr., 4,845,317, Cl. 174-163.00F.
  Wilson, Robert M., Jr., 4,866,218, Cl. 174-158.00F.
Daren, Stephen L. J.; Vofsi, David; and Peled, Michael, to Yeda Research and Development Co., Ltd. Stabilization of bromostyrene. 4,835,326, 5-30-89, Cl. 570-105.000.
Darenth Equipment, Ltd.: *See—*
  Smith, John A. G., 4,844,297, Cl. 222-1.000.
Dargis, Daniel J.: *See—*
  Rumbolt, Robin B.; Guerinot, William F.; and Dargis, Daniel J. 4,841,368, Cl. 358-194.100.
D'Ari, Richard: *See—*
  Hofnung, Maurice; Quillardet, Philippe; Perrin, David; Husman, Olivier; and D'Ari, Richard, 4,849,335, Cl. 435-6.000.
D'Ariano, Emilio F.: *See—*
  Koninsky, Peter M.; and D'Ariano, Emilio F., 4,811,184, Cl. 363-17.000.
Darilek, Glenn T., to Southwest Research Institute; and Gas Research Institute. Circuit for fluorescent light power supply in a borehole television probe. 4,808,889, 2-28-89, Cl. 315-291.000.
Darish, Joseph J. Rotatably adjustable pipe joint/coupling sea 4,822,080, 4-18-89, Cl. 285-179.000.
Dark, Richard C. G. Self closing dispensing valve. 4,848,600, 7-18-89, Cl. 222-498.000.
Darken, Jeffrey, to OMI International Corporation. Treating laminate with a wetting/reducing solution after desmearing with permanganate. 4,873,122, 10-10-89, Cl. 427-97.000.
Darko Jorge Lazaneo Dragicevic: *See—*
  De Angelis, Pedro C.; and Dragicevic, Nedo D. L., 4,814,567, Cl. 219-10.510.
Darley, Henry M.; Gill, Michael C.; Earl, Dale C.; Ngo, Dinh T.; Wang, Paul C.; Hipona, Maria B. L.; and Dodrill, Jim, to Texas Instruments Incorporated. Floating point/integer processor with divide and square root functions. 4,878,190, 10-31-89, Cl. 364-752.000.
Darley, Henry M., to Texas Instruments Incorporated. Signed digit adder circuit. 4,890,127, 12-26-89, Cl. 364-786.000.
Darley, Kenneth S.: *See—*
  Sophianopoulos, Spyros; Darley, Kenneth S.; and Sair, Louis 4,883,676, Cl. 426-314.000.

Darling, Roy D.: *See—*
  Turner, John E.; Rutledge, David L.; and Darling, Roy D., 4,855,954, Cl. 365-185.000.
  Turner, John E.; Rutledge, David L.; and Darling, Roy D., 4,879,688, Cl. 365-201.000.
Darlington Fabrics Corporation: *See—*
  Rautenberg, Leonard J., 4,880,424, Cl. 604-396.000.
Darlington, William B., to PPG Industries, Inc. Method for deinking wastepaper with a halogenated polyethylene oxide and a polymeric material. 4,820,379, 4-11-89, Cl. 162-5.000.
Darmawan, Johan A., to Advanced Micro Devices, Inc. Method of integrated circuit isolation oxidizing walls of isolation slot, growing expitaxial layer over isolation slot, and oxidizing epitaxial layer over isolation slot. 4,853,344, 8-1-89, Cl. 437-38.000.
Darmenton, Patrick: *See—*
  Grollier, Jean-Francois; Allec, Josiane; Fourcadier, Chantal; Rosenbaum, Georges; and Darmenton, Patrick, 4,880,621, Cl. 424-74.000.
Darms, Roland: *See—*
  Kramer, Andreas; and Darms, Roland, 4,861,885, Cl. 544-387.000.
Darnanville, Jean-Paul: *See—*
  Dejaifve, Pierre E.; Darnanville, Jean-Paul; Dufour, Jacques J. J.; and Garin, Roland A. C., 4,857,498, Cl. 502-304.000.
Darnell, Hoyt C. Paper roll splitter. 4,878,410, 11-7-89, Cl. 83-635.000.
Darnell, James; and Defalco, Ralph. Load and roll pallet. 4,834,000, 5-30-89, Cl. 108-51.100.
Darnell, Larry W., to Kardiothor, Inc. Tube valve. 4,807,845, 2-28-89, Cl. 251-7.000.
Darnell, Peter A.: *See—*
  Morton, Milton A.; Darnell, Peter A.; Cooprider, Lee W.; and Bray, Gary, 4,829,422, Cl. 364-200.000.
Darnell, W. Ronald; and Jackson, Winston J., Jr., to Eastman Kodak Company. Process for the preparation of poly(ether-ketone) polymers. 4,839,459, 6-13-89, Cl. 528-220.000.
Darnell, W. Ronald; and Jackson, Winston J., Jr., to Eastman Kodak Company. Process for the preparation of polyketone and poly(ketone-sulfone) polymers. 4,861,856, 8-29-89, Cl. 528-125.000.
Darnell, William R.; and Jackson, Winston J., Jr., to Eastman Kodak Company. Process for preparing polyketone in the presence of perfluoroalkyl sulfonic acid and oxide of phosphorus. 4,820,794, 4-11-89, Cl. 528-271.000.
Darner, Ronald G.: *See—*
  Morris, John E.; and Darner, Ronald G., 4,848,434, Cl. 160-168.100.
Darnez, Charles: *See—*
  Berardo, Michel; Darnez, Charles; Martinet, Jean-Marie; and Roche, Gilbert, 4,861,480, Cl. 210-490.000.
Darnofall, George: *See—*
  Ward, Leonard; and Darnofall, George, 4,878,085, Cl. 355-47.000.
Darolia, Ramgopal; and Matey, David M., to General Electric Company. Dispersion strengthened single crystal alloys and method. 4,849,030, 7-18-89, Cl. 148-3.000.
DaRox Corporation: *See—*
  Heath, Roger L., 4,834,103, Cl. 128-798.000.
  Heath, Roger L., 4,850,356, Cl. 128-419.00D.
  Heath, Roger L., 4,852,585, Cl. 128-798.000.
Darr, Richard C., to Plastipak Packaging, Inc. Blow molded polyethylene terephthalate container having IML textured label wall and method for making same. 4,802,295, 2-7-89, Cl. 40-310.000.
Darrah, Shirley D.; DiGiusseppe, Thomas G.; Marram, Edward P.; Kamin, Richard A.; Nowack, Clarence; and Steendal, Rolf, to Geo-Centers, Inc.; and United States of America, America. Apparatus and method utilizing interference fringes to determine the thermal stability of a liquid. 4,842,410, 6-27-89, Cl. 356-357.000.
Darras, Robert L. Medical instrument cover. 4,886,049, 12-12-89, Cl. 128-4.000.
Darrasse, Luc: *See—*
  Yassine, Mohamed M.; Querleux, Bernard; Darrasse, Luc; Saint Jalmes, Herve; Taquin, Jacques; Sauzade, Michel; and Leveque, Jean-Luc, 4,870,363, Cl. 324-318.000.
D'Arrigo, Sebastiano; Imondi, Giuliano; Lin, Sung-Wei; and Gill, Manzur, to Texas Instruments Incorporated. Driving circuitry for EEPROM memory cell. 4,823,318, 4-18-89, Cl. 365-189.000.
D'Arrigo, Sebastiano: *See—*
  Smayling, Michael C.; and D'Arrigo, Sebastiano, 4,804,637, Cl. 437-52.000.
  Smayling, Michael C.; D'Arrigo, Sebastiano; Imondi, Giuliano; and Vergara, Sossio, 4,823,320, Cl. 365-189.000.
Darroch, John B., to Apollo Sprayers International, Inc. Series impeller air pump for liquid sprayer. 4,854,822, 8-8-89, Cl. 417-62.000.
Darrow, David S., to Dexter Corporation, The. Abrasion-resistant coating. 4,868,069, 9-19-89, Cl. 428-610.000.
Darrow, William K.: *See—*
  Bartow, Richard E.; Darrow, William K.; and Hartmann, Wayne T., 4,862,265, Cl. 358-139.000.
Darsey, Ralph J.; and Hurd, William J., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Recoated spliced lengths of optical fibers. 4,865,411, 9-12-89, Cl. 350-96.210.
Dart Controls, Inc.: *See—*
  Penn, Paul E., 4,853,828, Cl. 361-326.000.
  Penn, Paul E.; Werckman, Roger A., Jr.; and Waymire, John W., 4,873,473, Cl. 388-814.000.
  Penn, Paul E.; and Grissom, Gary R., 4,888,813, Cl. 388-838.000.
Dart Industries Inc.: *See—*
  Ciaccio, Richard J., 4,804,113, Cl. 222-142.100.
  Foster, Robert W., Jr., 4,827,104, Cl. 219-251.000.
  Loscalzo, Dominick; Scott, Bruce M.; Freese, Lawrence O.; and Picozza, Augusto A., 4,804,349, Cl. 446-93.000
  Newton, Brian L.; Conti, Rino; and Wolff, Martin J., 4,826,120, Cl. 248-221.400.
Dart, Peter J.; and Hebber, K. Prakash, to Lubrizol Genetics, Inc. Agricultural products from *Pseudomonas cepacia* strains and methods of preparation. 4,798,723, 1-17-89, Cl. 424-93.000.
Dartmouth College, Trustees of: *See—*
  Fanger, Michael W.; Guyre, Paul M.; and Anderson, Clark L., 4,833,234, Cl. 530-387.000.
  Ravaris, Charles L., 4,814,333, Cl. 514-255.000.
  Sinensky, Michael; and Spencer, Thomas A., 4,863,932, Cl. 514-307.000.
  Trumpower, Bernard L., 4,832,754, Cl. 134-30.000.
Dartnall, Adrian: *See—*
  Pijanowski, Stefan; Thompson, Peter; and Dartnall, Adrian, 4,802,601, Cl. 220-4.00R.
Dartois, Robert: *See—*
  Egee, Michel; Dartois, Robert; Marx, Jean; Merienne, Etienne; Regalia, Marcel; Poplimont, Philippe; and Van Schel, Etienne, 4,875,175, Cl. 364-551.010.
Dartt, Darlene A.: *See—*
  Gilbard, Jeffrey P.; and Dartt, Darlene A., 4,868,154, Cl. 514-13.000.
Darvell, Wayne K.; Konsti, Patricia R.; Klingen, Jurgen; and Kreckel, Karl W., to Minnesota Mining and Manufacturing Company. Pressure-sensitive tape construction incorporating resilient polymeric microspheres. 4,855,170, 8-8-89, Cl. 428-40.000.
Darwish, Mona: *See—*
  Rogosich, John; and Darwish, Mona, 4,867,324, Cl. 215-11.100.
Darzynkiewicz, Zbigniew: *See—*
  Kapuscinski, Jan; and Darzynkiewicz, Zbigniew, 4,801,550, Cl. 436-94.000.
Das, Aniruddha; Navon, Victor; and Reid, Daniel F., to General Electric Company. Cooperative tracking system. 4,827,265, 5-2-89, Cl. 342-78.000.
Das, Balbhadra: *See—*
  Klett, Michael W.; and Das, Balbhadra, 4,806,620, Cl. 528-244.000.
Das, K. Bhagwan, to Boeing Company, The. Method for making metal matrix composites. 4,797,155, 1-10-89, Cl. 75-229.000.
Das, Pawan K. AC to DC solid state power supply using high frequency pulsed power switching. 4,866,585, 9-12-89, Cl. 363-8.000.
Das, Pawan K. ROM driven PWM inverter. 4,879,640, 11-7-89, Cl. 363-41.000.
Das, Pralay K., to Anadrill, Inc. Apparatus and method for measuring differential pressure while drilling. 4,805,449, 2-21-89, Cl. 73-151.000.
Das, Sajal; and Prevorsek, Dusan C., to Allied-Signal Inc. Cyanato group containing phenolic resins, phenolic triazines derived therefrom. 4,831,086, 5-16-89, Cl. 525-504.000.
Das, Sajal; and Prevorsek, Dusan C., to Allied-Signal Inc. Fibers made from cyanato group containing phenolic resins, and phenolic triazines resins. 4,851,279, 7-25-89, Cl. 428-224.000.
Das, Santosh K.; and Chang, Chin-Fong, to Allied-Signal Inc. Rapidly solidified high strength, corrosion resistant magnesium base metal alloys. 4,853,035, 8-1-89, Cl. 75-249.000.
Das, Santosh K.; and Chang, Chin-Fong, to Allied-Signal Inc. Rapidly solidified high strength, corrosion resistant magnesium base metal alloys. 4,857,109, 8-15-89, Cl. 75-249.000.
Das, Santosh K.; Chang, Chin-Fong; and Bye, Richard L., Jr. Heat treatment of rapidly quenched Fe-6.5 wt % Si ribbon. 4,865,657, 9-12-89, Cl. 148-113.000.
Das, Santosh K.: *See—*
  Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., 4,828,632, Cl. 148-437.000.
  Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., 4,878,967, Cl. 148-437.000.
  Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., 4,879,095, Cl. 420-548.000.
  Bye, Richard L., Jr.; Bose, Debasis; Das, Santosh K.; Datta, Amitava; and Adam, Colin M., 4,838,341, Cl. 164-463.000.
  Laxmanan, Venkatasubramanian; Das, Santosh K.; and Chang, Chin-Fong, 4,807,693, Cl. 164-452.000.
Das, Shyam, to Digital Equipment Corporation. Lithographic technique using laser for fabrication of electronic components and the like. 4,877,480, 10-31-89, Cl. 156-635.000.
Das, Shyam C., to Digital Equipment Corporation. Thin film head having a magneto-restrictive read element. 4,885,649, 12-5-89, Cl. 360-113.000.
Das, Sunil: *See—*
  Hollenberg, Cornelis P.; Das, Sunil; De Leeuw, Albert; and van den Berg, Johannes A., 4,859,596, Cl. 435-172.300.
Das, Suryya K.; Dowbenko, Rostyslaw; and Porter, Samuel, to PPG Industries, Inc. Coating compositions prepared from hydroxyl functional graft copolymers. 4,801,653, 1-31-89, Cl. 525-286.000.
Das, Suryya K.; Porter, Samuel, Jr.; and Tyger, Wayne H., to PPG Industries, Inc. Polymers prepared by polymerizing alpha, beta-ethylenically unsaturated acids and epoxy compounds. 4,818,796, 4-4-89, Cl. 525-329.500.
Das, Suryya K.: *See—*
  Korenkiewicz, Stephen M.; Olson, Kurt G.; Boberski, William G.; Das, Suryya K.; Greer, S. Thomas; and Zaleski, Raymond E., 4,844,952, Cl. 427-258.000.
  McCollum, Gregory J.; Chou, Jason L.; Bodwell, James R.; and Das, Suryya K., 4,857,620, Cl. 526-255.000.
Dasai, Masashi, to Idemitsu Kosan Company Limited. Lubricating oil composition. 4,800,029, 1-24-89, Cl. 252-32.500.

Dasbach, Burkhard: *See—*
  Assel, Eugen; Dasbach, Burkhard; and Gebhard, Bruno, 4,879,434, Cl. 174-35.00R.

Daser, Moritz: *See—*
  Weckler, Joachim, 4,853,964, Cl. 381-156.000.

Dasgupta, Purnendu: *See—*
  Jackson, Charles R.; Rellis, Daniel, Jr.; Pielet, Howard M.; Bhattacharya, Debanshu; Frank, Larry A.; Dasgupta, Purnendu; and Knoepke, John R., 4,852,632, Cl. 164-437.000.

Dash, Georgia P.; and Borton, Dorothy L. Endoscopy shield. 4,848,322, 7-18-89, Cl. 128-4.000.

Dash, Glen. Subscriber telephone equipment test apparatus. 4,825,458, 4-25-89, Cl. 379-1.000.

Dasheff, Andrew N.: *See—*
  Moore, James A.; Dasheff, Andrew N.; and Kaufman, Frank B., 4,877,718, Cl. 430-326.000.
  Moore, James A.; Dasheff, Andrew N.; and Kaufman, Frank B., 4,886,734, Cl. 430-270.000.

Dashevsky, Leon G., to MAR Engineering, Inc. Cassette type tooling fixture. 4,845,899, 7-11-89, Cl. 51-217.00R.

Dashiell, Stephen R.; Prasad, Bindiganavele A.; Rider, Ronald E.; and Steffen, James A., to Xerox Corporation. Virtual memory cache for use in multi-processing systems. 4,843,542, 6-27-89, Cl. 364-200.000.

Dashwood, Nigel J. R., to Duracell Inc. Rear lights for bicycles and other vehicles. 4,803,608, 2-7-89, Cl. 362-72.000.

Da Silva, Flavio: *See—*
  Spence, Steven E.; Shamet, Robert F.; Da Silva, Flavio; and Eigruber, Horst, 4,846,648, Cl. 425-133.100.

Da Silva, Flavio R.; Spence, Steven E.; and Shamet, Robert F., to American Maplan Corporation. Safety air plug and extrusion apparatus using same. 4,867,669, 9-19-89, Cl. 425-326.100.

Da Silva, Jean, to E.R.C.D. Industries Inc. Air pump pressure control system for inflating pairs of automotive tires. 4,875,509, 10-24-89, Cl. 141-38.000.

Da Silva Telles, Affonso C. S.; and Vaz, Claudio M. Continuous process of optimized fermentation for the production of alcohol. 4,889,805, 12-26-89, Cl. 435-161.000.

Daskalakis, Stefanos: *See—*
  Samour, Carlos M.; and Daskalakis, Stefanos, 4,861,764, Cl. 514-177.000.

Das Neves, Rosana R.: *See—*
  Amaral, Everson; and Das Neves, Rosana R., 4,850,992, Cl. 604-389.000.

Dasse, Gerard, to Etat Francais as represented by the Delegue General pour l'Armement. Percussion-sensitive thermostable pyrotechnic compound. 4,877,466, 10-31-89, Cl. 149-108.600.

Dasse, Kurt A.: *See—*
  Poirier, Victor L.; Dasse, Kurt A.; Bowen, Mark A.; and Daly, Benedict D. T., 4,886,502, Cl. 604-175.000.

Dassen, Bernardus H. N.: *See—*
  Boesten, Wilhelmus H. J.; and Dassen, Bernardus H. N., 4,831,181, Cl. 560-41.000.
  Boesten, Wilhelmus H. J.; Schoemaker, Hans E.; and Dassen, Bernardus H. N., 4,847,412, Cl. 564-164.000.

Dassi, Francesco; Nebuloni, Ferdinando; and Sormani, Cosimo, to MAGIC LINE S.p.A. Combined set of household electrical appliances and a handgrip therefor. 4,810,855, 3-7-89, Cl. 219-361.000.

Dassler, Hans-Ulrich; Haas, Ruediger; Loeffler, Gerhard; and Liebers, Lutz, to OEM Messtechnik GmbH. Process for electro optical inspection of the mouth area of glass bottles. 4,807,995, 2-28-89, Cl. 356-240.000.

Dassler, Joachim; Girod, Detlef; Kramer, Klaus; and Liesch, Ingrid, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. High pressure discharge lamp with improved arc tube retention structure. 4,837,477, 6-6-89, Cl. 313-25.000.

Dastoli, Frank R.; Senkowski, Bernard Z.; Wagener, Dieter W.; Bogdanffy, George H.; and Vin, Gaurang R., to Alcon Laboratories, Inc. Means and method for aseptic particle-free production of articles. 4,880,581, 11-14-89, Cl. 264-39.000.

Data Card Corporation: *See—*
  Ogawa, Yoshihisa, 4,860,028, Cl. 346-76.0PH.
  Young, James L.; and Patterson, James M., Jr., 4,852,478, Cl. 101-18.000.
  Younger, Thomas L., 4,874,935, Cl. 235-492.000.

Data Compression Corporation: *See—*
  Storer, James A., 4,876,541, Cl. 341-51.000.

Data General Corporation: *See—*
  Berry, Kirk H.; and Mostafa, Asghar, 4,852,089, Cl. 370-95.000.
  Brewer, Tony M., 4,884,244, Cl. 365-240.000.
  Clancy, Gerald F.; Mundie, Craig J.; Schleimer, Stephen I.; Wallach, Steven J.; and Bratt, Richard G., 4,821,184, Cl. 364-200.000.
  D'Amico, Lynn W.; and Guyer, James M., 4,796,176, Cl. 364-200.000.
  Gershenson, Edward; Lemone, Louis A.; and Lippitt, Mark C., 4,825,403, Cl. 364-900.000.
  Goekjian, Kenneth S., 4,878,173, Cl. 364-200.000.
  Green, Nancy L., 4,829,427, Cl. 364-200.000.
  Murdoch, Robert, 4,858,180, Cl. 365-49.000.
  Pilat, John; Keating, David; and Colella, Wayne, 4,873,652, Cl. 364-518.000.
  Scheller, P. Karl, 4,806,870, Cl. 328-109.000.

Data, Harry L.: *See—*
  Klees, David A.; Hoganson, Robert B.; and Data, Harry L., 4,887,422, Cl. 57-220.000.

Data I/O Corporation: *See—*
  Nierescher, David; and Yip, Douglas, 4,840,576, Cl. 439-331.000.
  Yip, Douglas, 4,837,653, Cl. 361-86.000.

Data Instruments, Inc.: *See—*
  Weber, Daniel R., 4,818,866, Cl. 250-221.000.

Data Motion, Inc.: *See—*
  Milano, Arthur J. J., Jr., 4,805,822, Cl. 226-74.000.
  Seitz, Karl G., 4,819,849, Cl. 226-74.000.

Data Pad Corp.: *See—*
  House, V. Dean, 4,799,054, Cl. 340-710.000.

Data Recording Instrument Company Limited: *See—*
  Hammond, Francis P.; and Lewis, Martyn A., 4,831,315, Cl. 318-567.000.
  Smith, Michael J.; Sully, George R. W.; and Crisp, Martin, 4,854,027, Cl. 29-434.000.

Data Sciences, Inc.: *See—*
  Brockway, Brian P.; Mills, Perry A.; and Miller, Jonathan T., 4,846,191, Cl. 128-748.000.
  Mills, Perry A.; and Brockway, Brian P., 4,796,641, Cl. 128-748.000.

Data Switch Corporation: *See—*
  Tom, Gary E.; Breech, William K.; and Armstrong, C. Peter, 4,829,244, Cl. 324-158.00F.

Data Systems Technology Corp.: *See—*
  Glover, Neal; and Dudley, Trent, 4,839,896, Cl. 371-37.000.

Data Technology Corporation: *See—*
  Freeze, Robin J.; and Grimsley, John L., 4,879,612, Cl. 360-78.060.

Datac, Inc.: *See—*
  Abegg, Frank, III; and Gemmell, Stephen G., 4,881,184, Cl. 364-551.010.

DataCard Corporation: *See—*
  Lundstrom, Robert W.; and Emmons, Thomas R., 4,862,127, Cl. 335-257.000.
  Rust, Jeffrey J.; LeVasseur, Rodney J.; Meilach, Alan; Beech, Brian; Wetzel, Richard M.; and Freudenheim, Eric J., 4,825,054, Cl. 235-380.000.

Dataflow Computer Corporation: *See—*
  Dennis, Jack B., 4,814,978, Cl. 364-200.000.

Datamain 2000, Inc.: *See—*
  Baucom, Walter H., 4,877,164, Cl. 224-42.440.

Datanet Corp.: *See—*
  Son, Masayoshi, 4,873,720, Cl. 379-356.000.

Datapaq, Ltd.: *See—*
  Bates, Alexander J.; Wells, John R.; Shapiro, Ronald A.; and Tenney, Richard L., 4,817,049, Cl. 364-900.000.

Datapoint Corporation: *See—*
  Tompkins, E. Neil; Arends, Thomas C.; and Barry, Michael W., 4,847,829, Cl. 370-62.000.

Dataproducts Corporation: *See—*
  Amdahl, Paul O.; Ham, John K.; and Mazilo, Doina, 4,806,031, Cl. 400-157.300.
  Cooke, Theodore M.; Mikalsen, Arthur; Belmont, Ernest O.; and Van Brimer, R. H., 4,823,146, Cl. 346-1.100.
  DeYoung, Thomas W.; and McCormick, John A., 4,809,024, Cl. 346-140.00R.
  DeYoung, Thomas W., 4,873,539, Cl. 346-140.00R.
  Hirth, Gregory; and Branson, Terry L., 4,804,124, Cl. 226-74.000.
  Hirth, Gregory; and Branson, Terry L., 4,836,431, Cl. 226-74.000.
  Jezbera, Val K., 4,833,981, Cl. 101-93.290.
  Lin, An-Chung R.; Cooke, Theodore M.; and Merritt, Alfred R., 4,822,418, Cl. 106-27.000.
  Loewenthal, Werner; Leung, Patrick N.; and Wong, Yuen W., 4,796,202, Cl. 364-519.000.
  Martner, John G.; Gardner, William R.; and Maltsev, Viasheslav B., 4,823,149, Cl. 346-140.00R.
  Racicot, Dale F.; Ten Broeck, Dirk P.; and Aviles, Robert C., 4,829,318, Cl. 346-1.100.
  Smith, Phil N., 4,856,923, Cl. 400-247.000.
  Ten Broeck, Dirk P.; and Aviles, Robert C., 4,849,772, Cl. 346-139.00R.
  Wong, Kam C.; Rubinshtein, Bernard; and Arzoumanian, Aram, 4,840,501, Cl. 400-124.000.
  Zerillo, Samuel D., 4,833,486, Cl. 346-1.100.

Datascope Corp.: *See—*
  Zelin, Michael P., 4,819,752, Cl. 128-633.000.

Datatape, Incorporated: *See—*
  Andersen, Robert D., 4,857,825, Cl. 323-353.000.
  Grant, Frederic F.; and Grant, John P., 4,819,096, Cl. 360-108.000.
  Grant, Frederic F.; and Mondocea, Ionel, 4,826,097, Cl. 242-68.300.

DataTrak, Inc.: *See—*
  Clark, Keith S., 4,808,993, Cl. 340-825.310.
  Imran, Mir A., 4,800,255, Cl. 235-382.000.
  Imran, Mir A., 4,851,652, Cl. 235-382.000.
  Imran, Mir A.; and Clark, Keith S., 4,864,115, Cl. 235-492.000.

DataVend, Inc.: *See—*
  Paraskevakos, T. G.; and Paris, J. P., 4,858,743, Cl. 194-205.000.

Date, Nobuaki: *See—*
  Tezuka, Nobuo; Date, Nobuaki; Saito, Syuichiro; and Kozuki, Suzumu, 4,825,302, Cl. 358-335.000.
  Tsunekawa, Tokuichi; Date, Nobuaki; Aizawa, Hiroshi; Hosoe, Kazuya; and Urushibara, Kazunori, 4,823,200, Cl. 358-335.000.

Date, Nobuo: *See—*
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Date, Tamotsu: *See—*
  Otani, Mitsunobu; Date, Tamotsu; Nagayama, Takashi; and Kouzuki, Tsuneo, 4,869,823, Cl. 210-349.000.

Dathe, Joachim: *See—*
  Arlt, Manfred; and Dathe, Joachim, 4,804,641, Cl. 437-227.000.
  Hargasser, Hans; and Dathe, Joachim, 4,864,471, Cl. 361-417.000.

Datos Corporation: *See—*
  Westbrook, James E.; and Suarez, Adolfo B., 4,796,255, Cl. 370-100.000.
  Westbrook, James E.; and Suarez, Adolfo B., 4,852,085, Cl. 370-67.000.

Datox Organisation D. Schweinsberg GmbH & Co. KG: *See—*
  Schweinsberg, Dieter K. J., 4,884,885, Cl. 353-120.000.

Datron Systems Inc.: *See—*
  Thomas, Delmer L., 4,849,761, Cl. 342-153.000.

Datson, Ian A. Shoe and gaiter. 4,856,207, 8-15-89, Cl. 36-2.00R.

Datta, Amitava; Davis, Lance A.; DeCristofaro, Nicholas J.; and Marti, Jordi, to Allied-Signal Inc. Amorphous alloys for electromagnetic devices cross reference to related applications. 4,889,568, 12-26-89, Cl. 148-108.000.

Datta, Amitava: *See—*
  Bye, Richard L., Jr.; Bose, Debasis; Das, Santosh K.; Datta, Amitava; and Adam, Colin M., 4,838,341, Cl. 164-463.000.

Datta, Paul J.; Anderson, Gary C.; and Kressner, Bernhardt E., to Kimberly-Clark Corporation. Nonwoven pad cover with fluid masking properties. 4,801,494, 1-31-89, Cl. 428-283.000.

Datta, Rathin, to Michigan Biotechnology Institute. Recovery and purification of lactate salts from whole fermentation broth by electrodialysis. 4,885,247, 12-5-89, Cl. 435-139.000.

Datta, Rathin: *See—*
  Brumm, Phillip J.; and Datta, Rathin, 4,814,273, Cl. 435-140.000.
  Brumm, Phillip J.; and Datta, Rathin, 4,830,963, Cl. 435-140.000.

Datta, Sudhin; and Ouhadi, Trazollah, to Exxon Chemical Patents Inc. Stabilization of vanadium tetrachloride. 4,808,387, 2-28-89, Cl. 423-265.000.

Datta, Sudhin; and Ouhadi, Trazollah, to Exxon Chemical Patents Inc. Vanadium tetrachloride stabilization. 4,871,523, 10-3-89, Cl. 423-265.000.

Dattagupta, Nanibhushan; and Knowles, William J., to Molecular Diagnostics, Inc. Labelling of oligonucleotides. 4,808,520, 2-28-89, Cl. 435-6.000.

Dattagupta, Nanibhushan, to Molecular Diagnostics, Inc. Fast and specific immobilization of nucleic acids to solid supports. 4,818,681, 4-4-89, Cl. 435-6.000.

Dattagupta, Nanibhushan; and Kamarck, Michael E., to Molecular Diagnostics, Inc. Cells labeled with multiple Fluorophores bound to a nucleic acid carrier. 4,824,775, 4-25-89, Cl. 435-4.000.

Dattagupta, Nanibhushan, to Molecular Diagnostics, Inc. Enhanced phthalazinedione chemiluminescence. 4,853,327, 8-1-89, Cl. 435-6.000.

Datum, Klaus: *See—*
  Hill, Roy A.; and Datum, Klaus, 4,869,025, Cl. 51-122.000.

Datwyler, Max, to MDC Max Datwyler Bleienbach AG. Engraving head for apparatus for engraving printing cylinders. 4,805,312, 2-21-89, Cl. 33-18.100.

Daubenbuchel, Werner; and Jira, Alfred, to Krupp Kautex Maschinenbau GmbH. Process for producing hollow bodies of thermoplastic material. 4,874,649, 10-17-89, Cl. 428-36.500.

Daubenspeck, Timothy H., to International Business Machines Corporation. Binary chlorofluorocarbon chemistry for plasma etching. 4,836,886, 6-6-89, Cl. 156-643.000.

Daubenspeck, Timothy H.; and Ichishita, Faith S., to International Business Machines Corporation. Chlorofluorocarbon additives for enhancing etch rates in fluorinated halocarbon/oxidant plasmas. 4,836,887, 6-6-89, Cl. 156-643.000.

Daubin, Scott C.; and Clarke, Thomas L., to Daubin Systems Corporation. Paradac wind measurement system. 4,831,874, 5-23-89, Cl. 73-189.000.

Daubin Systems Corporation: *See—*
  Daubin, Scott C.; and Clarke, Thomas L., 4,831,874, Cl. 73-189.000.

Daubner, Edmund; and Mikusch, Gerald, to L. Schuler GmbH. Transfer press. 4,881,398, 11-21-89, Cl. 72-419.000.

Daud, Taher: *See—*
  Moopenn, Alexander W.; Thakoor, Anilkumar P.; Daud, Taher; and Lambe, John J., 4,839,859, Cl. 365-100.000.
  Ramesham, Rajeshuni; Thakoor, Sarita; Daud, Taher; and Thakoor, Aniklumar P., 4,83[illegible],700, Cl. 357-2.000.

Daude, Gerard; Bravet, Jean-Louis; Moncheaux, Michel; Drujon, Sylvie; and Dimier, Gerard, to Saint-Gobain Vitrage. Method and device for the manufacture of a high optical quality transparent sheet or plastic. 4,830,806, 5-16-89, Cl. 264-216.000.

Daudel, Helmut: *See—*
  Bergmann, Horst; Daudel, Helmut; Brandner, Burkhard; and Klueppel, Klemens, 4,843,558, Cl. 364-431.030.

Daudelin, Abraham N., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Automated operator assistance calls with voice processing. 4,797,910, 1-10-89, Cl. 379-67.000.

Daudi, Anwar R., to Motor Wheel Corporation. Wheel manufacture for correction of rotational non-uniformity of a pneumatic tire and wheel assembly. 4,815,186, 3-28-89, Cl. 29-159.100.

Daudi, Anwar R., to Motor Wheel Corporation. Method of wheel manufacture for correcting rotational non-uniformity of a pneumatic tire and wheel assembly. 4,819,472, 4-11-89, Cl. 72-335.000.

Daudin, Philippe; Levy, Pierre-Emmanuel; Aube, Jean-Yves; Duplessis, Bernard; and Boivent, Marcel, to Saint-Gobain Recherche. Electrical melting technique for glass. 4,809,294, 2-28-89, Cl. 373-41.000.

Daugan, Jean-Claude: *See—*
  Gandrez, Jean-Francois; and Daugan, Jean-Claude, 4,883,482, Cl. 604-385.200.
  Piron, Jean P.; and Daugan, Jean-Claude, 4,883,479, Cl. 604-365.000.

Daugherty, Daniel L.: *See—*
  McIntosh, Ronald M.; Rentzel, Richard T.; Stewart, Robert W.; and Daugherty, Daniel L., 4,859,200, Cl. 439-275.000.

Daugherty, Elon J.: *See—*
  Huston, Duane A.; and Daugherty, Elon J., 4,865,488, Cl. 405-129.000.

Daugherty, Thomas H.: *See—*
  Weisman, Paul T.; and Daugherty, Thomas H., 4,865,596, Cl. 604-368.000.

Daugherty, William T., to Magic Spray Inc. Apparatus and method for washing vehicles. 4,852,593, 8-1-89, Cl. 134-94.000.

Daugirda, Paul G., to Rheem Manufacturing Company. Water heater tank flushing device. 4,813,383, 3-21-89, Cl. 122-159.000.

Daugirdas, Kristupas, to Vapor Corporation. Door operator with locking mechanism. 4,882,876, 11-28-89, Cl. 49-141.000.

Daugulis, Andrew J.: *See—*
  Kollerup, Finn; and Daugulis, Andrew J., 4,865,973, Cl. 435-43.000.

Daum, Dieter, to Brown Boveri Reaktor GmbH. Method and apparatus for simulation of the operational demands acting an expanded tube joints. 4,822,176, 4-18-89, Cl. 374-57.000.

Daum, Edward D.; Downs, William; Jankura, Bryan J.; and McCoury, John M., Jr., to Babcock & Wilcox Company, The. Gas sampling system for reactive gas-solid mixtures. 4,856,352, 8-15-89, Cl. 73-863.250.

Daum, Ulrich: *See—*
  Pino, Piero; Venanzi, Luigi; Wittwer, Heinz; and Daum, Ulrich, 4,870,156, Cl. 528-487.000.

Daum, Werner; Hanssler, Gerd; and Ooms, Pieter, to Bayer Aktiengesellschaft. Carbamoyloxythiophene fungicides. 4,839,381, 6-13-89, Cl. 514-444.000.

Daum, Werner; and Hanssler, Gerd, to Bayer Aktiengesellschaft. Acyloxythiophene-carboxamide fungicides. 4,863,954, 9-5-89, Cl. 514-445.000.

Daum, Werner; Hanssler, Gerd; and Ooms, Pieter, to Bayer Aktiengesellschaft. Carbamoyloxythiophene fungicides. 4,871,864, 10-3-89, Cl. 549-60.000.

Daures, Jean-Pierre: *See—*
  Gaudin, Serge, 4,872,861, Cl. 441-79.000.

Dausey, George M.; and Barrett, Raymond B. Close quarters multiangle pipe wrench. 4,831,903, 5-23-89, Cl. 81-165.000.

Dausman, Jerome; and Avendt, Raymond J., to Bio Gro Systems, Inc. Apparatus and process for forming uniform, pelletizable sludge product. 4,872,998, 10-10-89, Cl. 210-710.000.

Daussan, Andre: *See—*
  Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, 4,799,652, Cl. 266-275.000.
  Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, 4,854,550, Cl. 266-45.000.

Daussan et Compagnie: *See—*
  Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, 4,799,652, Cl. 266-275.000.
  Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, 4,854,550, Cl. 266-45.000.

Daussan, Gerard: *See—*
  Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, 4,799,652, Cl. 266-275.000.
  Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, 4,854,550, Cl. 266-45.000.

Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, to Daussan et Compagnie. Lining for protecting the interior of a metallurgical vessel and a method for forming said lining. 4,799,652, 1-24-89, Cl. 266-275.000.

Daussan, Jean-Charles; Daussan, Gerard; and Daussan, Andre, to Daussan et Compagnie. Stopper for retaining slag and process for implementation and manufacture thereof. 4,854,550, 8-8-89, Cl. 266-45.000.

Dausseine, Sean-Paul: *See—*
  Fish, Aaron M.; Matzeld, Leon; Branwer, Alexander; Miresmaili, Masoud; and Dausseine, Sean-Paul, 4,861,083, Cl. 292-347.000.

Dautartas, Mindaugas F.; Harrus, Alain S.; Martin, Edward P., Jr.; and Stevie, Fred A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Low temperature intrinsic gettering technique. 4,861,126, 8-29-89, Cl. 350-96.110.

Dautel, Donald F.: *See—*
  Freeburg, Thomas A.; and Dautel, Donald F., 4,837,800, Cl. 379-59.000.

Dautel, Heinz; and Wesch, Johann G., to Alfred Karcher GmbH & Co. Rotor nozzle for a high-pressure cleaning device. 4,802,628, 2-7-89, Cl. 239-227.000.

Dautriche, Pierre B., to U.S. Philips Corporation. Zero to one hundred and eight-degree active phase shifter for microwave frequencies. 4,831,336, 5-16-89, Cl. 330-253.000.

Dauvergne, Jean, to Rockwell-CIM. Rotary bearing for a glass-raising arm of a motor vehicle. 4,846,591, 7-11-89, Cl. 384-322.000.

Dauvillier, Richard; and Giordano, Henri. Line scanning and accelerating voltage generating circuit. 4,864,196, 9-5-89, Cl. 315-408.000.

Dauvister, Pierre M. J.: *See—*
  Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 4,807,679, Cl. 152-209.00R.
  Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 4,856,571, Cl. 152-209.00R.

DAV: *See—*
  Saulgeot, Jean-Michel; Lepine, Gerard; and Caillon, Claude, 4,816,961, Cl. 361-142.000.

Weber, Jacques; and Torcheux, Bertrand, 4,801,913, Cl. 337-66.000.

Davari, Bijan; Hwang, Wei; and Lu, Nicky C., to International Business Machines Corporation. Integrated trench-transistor structure and fabrication process. 4,881,105, 11-14-89, Cl. 357-23.400.

Davari, Bijan; Ganin, Eti; Harame, David L.; and Sai-Halasz, George A., to International Business Machines Corporation. Method for fabricating shallow junctions by preamorphizing with dopant of same conductivity as substrate. 4,889,819, 12-26-89, Cl. 437-27.000.

Davarian, Faramaz; and Sumida, Joe T., to California Institute of Technology. Method and system for providing precise multi-function modulation. 4,812,786, 3-14-89, Cl. 332-16.00R.

Davarian, Faramaz, to California Institute of Technology. Universal FM receiver for mobile communications. 4,835,792, 5-30-89, Cl. 375-80.000.

Davaut, Jean F., to Zehntel, Inc. Apparatus for contacting a printed circuit board with an array of test probes. 4,870,354, 9-26-89, Cl. 324-158.00F.

Davco Manufacturing Corporation: *See—*

Davis, Leland L., 4,807,584, Cl. 123-557.000.

Davis, Leland L., 4,883,943, Cl. 219-306.000.

Dave, Jayant C.; Record, David W.; Nespor, Jill M.; and Hook, Jeffrey S., to Wm. Wrigley Jr. Company. Using cocoa powder to enhance the flavor of a mint flavored chewing gum. 4,889,726, 12-26-89, Cl. 426-3.000.

Dave, Jayant C.; Record, David W.; Nespor, Jill M.; and Hook, Jeffrey S., to Wm. Wrigley Jr. Company. Using cocoa powder to enhance the flavor of synthetic chewing gum base. 4,889,727, 12-26-89, Cl. 426-3.000.

Dave McKee (SHeffield) Limited: *See—*

Wilson, Geoffrey; and Hemingway, Trevor, 4,878,373, Cl. 72-420.000.

Dave, Shashi B.; and Cain, Clifford W., Jr., to Manville Corporation. Removal of alkali metals from polyols. 4,855,509, 8-8-89, Cl. 518-621.000.

Davel, Peter E. Can opener with continuously variable clutch. 4,833,783, 5-30-89, Cl. 30-422.000.

D'Avello, Robert F.; Rokusek, Daniel S.; and Tobolski, Francis P., Jr., to Motorola, Inc. Radiotelephone credit card data communications. 4,831,647, 5-16-89, Cl. 379-91.000.

D'Avello, Robert F.; Rokusek, Daniel S.; and Tobolski, Francis P., Jr., to Motorola, Inc. Radiotelephone credit card data communications. 4,860,336, 8-22-89, Cl. 379-63.000.

D'Avello, Robert F.; Tobolski, Francis P., Jr.; and Kowalski, Joseph L., to Motorola, Inc. Radiotelephone credit card call approval synchronization. 4,860,341, 8-22-89, Cl. 379-91.000.

Davene , Georges J.: *See—*

Janiak, Robert A.; and Davene , Georges J., 4,821,284, Cl. 373-107.000.

Davene, Jean G.: *See—*

Janiak, Robert A.; and Davene, Jean G., 4,805,186, Cl. 373-79.000.

Janiak, Robert A.; and Davene, Jean G., 4,856,021, Cl. 373-108.000.

Davenport, C. Brent: *See—*

Nguyen, Tanh V.; Davenport, C. Brent; Stevens, Christopher E.; Reis, John C.; and Millhone, Ralph S., 4,817,713, Cl. 166-252.000.

Davenport, Carl; and Murphy, Richard, to Torrington Company, The. Roller bearing. 4,830,516, 5-16-89, Cl. 384-44.000.

Davenport, George F.; Finn, Lyle D.; and Burns, Jerome Q., to Exxon Production Research Company. Compliant offshore structure with fixed base. 4,810,135, 3-7-89, Cl. 405-224.000.

Davenport, John M.; and Hansler, Richard L., to General Electric Company. Lighting systems employing optical fibers. 4,811,172, 3-7-89, Cl. 362-61.000.

Davenport, John M.; and Hansler, Richard L., to General Electric Company. Optical control system particularly suited for infrequently activated devices. 4,851,969, 7-25-89, Cl. 362-61.000.

Davenport, John M.; and Hansler, Richard L., to General Electric Company. Xenon lamp particularly suited for automotive applications. 4,868,458, 9-19-89, Cl. 315-77.000.

Davenport, John M.; Finch, William W.; and Hansler, Richard L., to General Electric Company. Forward illumination lighting system for vehicles. 4,868,718, 9-19-89, Cl. 362-32.000.

Davenport, John M.: *See—*

Ahlgren, Frederic F.; Davenport, John M.; Hansler, Richard L.; and Karikas, John J., 4,810,932, Cl. 313-579.000.

Ahlgren, Frederic F.; Bergman, Rolf S.; Davenport, John M.; Hansler, Richard L.; Hantman, Robert G.; and Hoegler, Leonard E., 4,839,559, Cl. 313-579.000.

Roll, Kenneth A.; Davenport, John M.; and von Herrmann, Pieter J., 4,857,810, Cl. 315-194.000.

Davenport, Karen A.: *See—*

Fraenkel, Howard A.; Davenport, Karen A.; and Spicciati, Frank A., 4,803,097, Cl. 427-307.000.

Davenport, Lizzie B. Multi-purpose chair. 4,883,317, 11-28-89, Cl. 297-193.000.

Davenport, Michael L. Collet holder. 4,799,615, 1-24-89, Cl. 228-44.700.

Davenport, William H., to TriQuint Semiconductor, Inc. Wide bandwidth push-pull parallel amplifier. 4,859,961, 8-22-89, Cl. 330-253.000.

Daverio, Jean-Claude; and Grein, Frederic, to Institut de Recherches de la Siderurgie Francaise. Method for axial alignment of an assembly for implanting a parietal probe in a reducing-smelting furnace, and associated implanting assembly. 4,817,293, 4-4-89, Cl. 33-228.000.

Daverio, Jean-Claude; and Rocchi, Dominique, to Institut de Recherches de la Siderurgie Francaise. Plug for probe nose, method for probing inside a blast furnace with a probe equipped with such a plug and device for carrying out said method. 4,829,836, 5-16-89, Cl. 73-866.500.

Daverio, Jean-Claude; and Rocchi, Dominique, to Institut de Recherches de la Siderurgie Francaise. Support and introduction bench for an elongated rectilinear probe, and probe adapted to same. 4,836,509, 6-6-89, Cl. 266-99.000.

Davern, John W.; and Mazurik, Frank T., to Gemcor Engineering Corp. Method and apparatus for inserting fasteners. 4,819,856, 4-11-89, Cl. 227-119.000.

Davern, John W.: *See—*

Speller, Thomas H., Sr.; Davern, John W.; Weaver, Jeffrey P.; and Andrews, Mark J., 4,864,702, Cl. 29-34.00B.

Davert, Edward J.; and McCowin, Peter D., to Boeing Company, The. Fastener driving tool. 4,879,875, 11-14-89, Cl. 60-588.000.

Davey, Anthony B.; and Bone, Matthew F., to STC PLC. Liquid crystal cell utilizing a ferroelectric liquid crystal having a natural pitch length is no longer than the longest wavelength of visible light. 4,852,978, 8-1-89, Cl. 350-350.00R.

Davey, Anthony B.: *See—*

Coates, David; Davey, Anthony B.; Bishop, David I.; Pearson, Andrew D.; and Sage, Ian C., 4,834,906, Cl. 252-299.630.

Crossland, William A.; Davey, Anthony B.; and Bone, Matthew F., 4,799,775, Cl. 350-350.00S.

Davey, John E., to United States of America, Navy. Self-aligned gaas fet with low 1/f noise. 4,888,626, 12-19-89, Cl. 357-22.000.

Davey, John R.; and Harris, William H., to General Hospital Corporation, The. Drill alignment guide for osteoplastic surgery. 4,860,735, 8-29-89, Cl. 128-92.00V.

Davey, Raymond G.; and Dees, Martin, Jr., to Armstrong World Industries, Inc. Surface covering product. 4,797,314, 1-10-89, Cl. 428-167.000.

Davey, Robert B.: *See—*

Staples, Linton D.; Norman, Robert I.; Davey, Robert B.; Hastings, Catherine; Kidd, Jennifer; and Rachmat, Jatni, 4,882,137, Cl. 424-423.000.

Davey Roofing, Inc.: *See—*

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David A. Clayton: *See—*

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David, Anton: *See—*

Budecker, Ludwig; David, Anton; Obersteiner, Georg; Zutt, Ulrich; and Guse, Hans-Albrecht, 4,807,945, Cl. 303-114.000.

Steffes, Helmut; Ocvirk, Norbert; Buschmann, Gunther; David, Anton; Graeber, Johannes; Determann, Otto; and Batistic, Ivica, 4,824,182, Cl. 303-92.000.

David & Baader - DBK: *See—*

Bohlender, Franz; and Buchlaub, Norbert, 4,814,534, Cl. 219-535.000.

David, Claire; Magnier, Claude; and Latourrette, Bertrand, to Rhone-Poulenc Chimie. Novel ceric oxide particulates and process of making. 4,859,432, 8-22-89, Cl. 423-21.100.

David, Constant V. Gas turbine with external free-piston combustor. 4,815,294, 3-28-89, Cl. 60-595.000.

David, Constant V. Method of fabrication of thin compressible mattresses. 4,818,324, 4-4-89, Cl. 156-292.000.

David, Constant V., to Phillips Petroleum Company. Flexible conformable vanes made of carbonaceous materials. 4,820,480, 4-11-89, Cl. 418-153.000.

David, Constant V. Obstacle proximity detector for moving vehicles and method for use thereof. 4,833,469, 5-23-89, Cl. 340-901.000.

David, Constant V. Method for fabricating and inserting reinforcing spikes in a 3-D reinforced structure. 4,854,990, 8-8-89, Cl. 156-173.000.

David, Constant V. Infinitely variable (IV) mechanical non-cylindrical drive. 4,856,357, 8-15-89, Cl. 74-63.000.

David, Doran: *See—*

Taylor, Ronald T.; Giles, George A.; and David, Doran, 4,862,018, Cl. 307-443.000.

David, Eugene C., to Timesavers, Inc. Wood surface treatment method and system employing tandemly oriented cross-belts and rotary abraders. 4,837,984, 6-13-89, Cl. 51-326.000.

David, Eugene C., to Timesavers, Inc. Cross-belt sanding machine with oscillating platen means. 4,864,775, 9-12-89, Cl. 51-142.000.

David, Frank K.: *See—*

Donald, David K.; Wang, Shih-Yuan; Ranganath, Tirumala R.; Newton, Steven A.; Trutna, William R.; Bloom, David M.; and David, Frank K., 4,805,237, Cl. 455-619.000.

David, Gerhard: *See—*

Maser, Brigitte; and David, Gerhard, 4,827,551, Cl. 15-24.000.

David, Guy; Lacasse, Claude; Metivier, Christian; and Veillette, Luc, to Mitel Corp. Gas cylinder monitor and control system. 4,866,594, 9-12-89, Cl. 364-138.000.

David, Heinrich. Apparatus for metering, measuring, or dosing flowing media. 4,809,549, 3-7-89, Cl. 73-271.000.

David, Helmut: *See—*

Schlemenat, Alfred; and David, Helmut, 4,852,644, Cl. 165-158.000.

David, John R.; and Pohl, Daniel P., to Minnesota Mining and Manufacturing Company. Pad forming method. 4,842,919, 6-27-89, Cl. 428-40.000.

David, John R.; and Pohl, Daniel P., to Minnesota Mining and Manufacturing Company. Pad forming method. 4,883,553, 11-28-89, Cl. 156-193.000.

David, Joseph S.: *See—*

Thomas, Terry M.; and David, Joseph S., 4,828,339, Cl. 305-39.000.

David Kennedy (Engineers) Holdings Limited: *See—*

Kennedy, James W., 4,848,854, Cl. 312-38.000.

David, Lawrence D., to International Business Machines Corporation. Method of synthesizing amorphous group IIIA-group VA compounds. 4,798,701, 1-17-89, Cl. 420-528.000.

David, Lennie F., to Hammond Royce Corporation Pty. Limited. Chlorinator cell. 4,861,451, 8-29-89, Cl. 204-230.000.

David Lior and Stanley Zipser: *See—*

Lior, David, 4,845,787, Cl. 4-488.000.

David, Morgan W. A., to Sony Corporation. Two-dimensional finite impulse response filter arrangements. 4,805,129, 2-14-89, Cl. 364-724.010.

David, Morgan W. A., to Sony Corporation. Two-dimensional finite impulse response filters. 4,821,223, 4-11-89, Cl. 364-724.050.

David, Morgan W. A.: *See—*

Hedley, David J.; and David, Morgan W. A., 4,811,099, Cl. 358-160.000.

Richards, John W.; and David, Morgan W. A., 4,802,110, Cl. 364-724.050.

David, Morton E., to Franklin Computer Corporation. Electronic spelling machine. 4,830,618, 5-16-89, Cl. 434-169.000.

David R. Webb Co., Inc.: *See—*

Weil, George, 4,821,754, Cl. 134-64.00R.

Weil, George, 4,874,003, Cl. 134-111.000.

David, Thomas; and Uyka, Dieter, to Vereinigte Edelstahlwerke A.G. Anatomical bone plate and/or transfixion plate. 4,800,874, 1-31-89, Cl. 128-92.0YP.

David, Wolfgang: *See—*

Stockermann, Horst; Bohm, Herman; Grober, Josef; and David, Wolfgang, 4,803,807, Cl. 49-26.000.

Daviddi, Neo. Bottle cork remover. 4,887,497, 12-19-89, Cl. 81-3.370.

Davidian, Michael. Metal casket containing a plastisol liner and method of making the same. 4,827,581, 5-9-89, Cl. 27-3.000.

Davidov, James. Anal medication applicator. 4,808,166, 2-28-89, Cl. 604-114.000.

Davidovics, Michel: *See—*

Davidovits, Nicolas; Davidovics, Michel; and Davidovits, Joseph, 4,888,311, Cl. 501-95.000.

Davidovits, Joseph. Waste solidification and disposal method. 4,859,367, 8-22-89, Cl. 252-628.000.

Davidovits, Joseph: *See—*

Davidovits, Nicolas; Davidovics, Michel; and Davidovits, Joseph, 4,888,311, Cl. 501-95.000.

Davidovits, Nicolas; Davidovics, Michel; and Davidovits, Joseph. Ceramic-ceramic composite material and production method. 4,888,311, 12-19-89, Cl. 501-95.000.

Davidow, Lance S.; and DeZeeuw, John R., to Pfizer Inc. Process for transformation of *Yarrowia lipolytica*. 4,880,741, 11-14-89, Cl. 435-172.300.

Davidow, Robert P. Speed changing mechanism. 4,813,302, 3-21-89, Cl. 74-351.000.

Davidow, William H.: *See—*

Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,807,116, Cl. 364-200.000.

Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,817,091, Cl. 371-9.000.

Davids, Geert J. T.; and Wiertsema, Wiegert, to U.S. Philips Corp. Compact charge-coupled device having a conductive shielding layer. 4,881,250, 11-14-89, Cl. 377-60.000.

Davids, Joseph; and Silvestri, George J., Jr., to Westinghouse Electric Corp. Segmental vane apparatus and method. 4,834,614, 5-30-89, Cl. 45-191.000.

Davidson, Albert C.: *See—*

Garner, Daniel C.; Sherwood, Donald G.; and Davidson, Albert C., 4,849,162, Cl. 376-458.000.

Davidson, Andrew C.: *See—*

Leake, Bernard W.; and Davidson, Andrew C., 4,864,218, Cl. 324-57.00N.

Davidson, Bruce L.: *See—*

Pavone, Robert J.; Davidson, Bruce L.; and Berdat, Henry F., 4,841,316, Cl. 354-4.000.

Davidson, C. Marshall, to Olin Corporation. Adjustable valving rod. 4,838,458, 6-13-89, Cl. 222-135.000.

Davidson, Charles F.; Shirts, Monte B.; and Harbuck, Donna D., to United States of America, Interior. Production of titanium nitride, carbide, and carbonitride powders. 4,812,301, 3-14-89, Cl. 423-440.000.

Davidson, Colin: *See—*

Parker, Alan; and Davidson, Colin, 4,889,563, Cl. 106-287.170.

Davidson, Colin J., to Shell Oil Company. Drilling fluid to minimize solids disintegration. 4,828,724, 5-9-89, Cl. 252-8.511.

Davidson, Curtis R.: *See—*

Young, William A.; Ko, Wai-Shing; Davidson, Curtis R.; and Whitehurst, Thomas, 4,873,469, Cl. 315-155.000.

Davidson, Dale D.; and Endrud, Douglas G., to Honeywell Inc. Digital automatic flight control system with disparate function monitoring. 4,799,159, 1-17-89, Cl. 364-424.060.

Davidson, David M.; Bungard, John R.; and Gatward, Robert, to STC PLC. Telephone exchange. 4,809,260, 2-28-89, Cl. 370-58.000.

Davidson, Fiona E.: *See—*

Doyle, James; Bond, Anthony J.; and Davidson, Fiona E., 4,836,628, Cl. 350-3.610.

Davidson, Frank E. Heavy duty staple remover. 4,869,464, 9-26-89, Cl. 254-28.000.

Davidson, Grant, and Gersho, Allen, to Voicecraft Inc. Vector excitation speech or audio coder for transmission or storage. 4,868,867, 9-19-89, Cl. 381-36.000.

Davidson, Harold D.: *See—*

Young, William R.; and Davidson, Harold D., 4,818,901, Cl. 307-451.000.

Davidson, James A. Adjustable template device for framing and cutting sheet materials. 4,831,739, 5-23-89, Cl. 33-427.000.

Davidson, James G.; Allard, Deborah A.; Sawyer, Philip J.; and Boynton, Philip E., to Malin Research Corporation. Process. for the desulfurization of coal. 4,886,522, 12-12-89, Cl. 44-624.000.

Davidson, Jim: *See—*

Heide, Jorgan; Gooch, Timothy D.; Prescott, Anthony D.; Sander, Thomas W.; Davidson, Jim; and Renz, Eric A., 4,800,884, Cl. 128-419.00R.

Davidson, Joel R.: *See—*

Vojir, William M.; and Davidson, Joel R., 4,816,805, Cl. 341-83.000.

Davidson, John F.; Niranjan, Keshavan; and Pandit, Aniruddha B., to National Research Development Corporation. Impellers. 4,799,862, 1-24-89, Cl. 416-242.000.

Davidson, Mark, to KLA Instruments Corporation. Method and apparatus of using a two beam interference microscope for inspection of integrated circuits and the like. 4,818,110, 4-4-89, Cl. 356-358.000.

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Davidson, Michel: *See—*

Lumbroso, Daniel; Orieux, Andrien; and Davidson, Michel, 4,828,651, Cl. 201-2.000.

Quang, Dang Vu; Davidson, Michel; Durand, Daniel; and Courty, Philippe, 4,840,783, Cl. 423-648.100.

Davidson, Peter G., to Clark, Robert H., III. Apparatus and process for marinating foodstuffs. 4,818,550, 4-4-89, Cl. 426-281.000.

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Timmons, Alban; and Davidson, Richard R., 4,849,128, Cl. 252-181.000.

Davidson, Richard W.; and Fletcher, John W., to Agtek Development Co., Inc. Position sensing system for surveying and grading. 4,820,041, 4-11-89, Cl. 356-1.000.

Davidson, Robert I., to Ethyl Corporation. Trifluoromethylation process. 4,814,480, 3-21-89, Cl. 558-378.000.

Davidson, Robert I., to Ethyl Corporation. Trifluoromethylation process. 4,814,482, 3-21-89, Cl. 558-378.000.

Davidson, Robert I., to Ethyl Corporation. Perfluoroalkylation process. 4,822,904, 4-18-89, Cl. 558-378.000.

Davidson, Robert I., to Ethyl Corporation. Perfluoroalkylation process. 4,889,951, 12-26-89, Cl. 562-427.000.

Davidson, Robert I.: *See—*

Lin, Ronny W.; and Davidson, Robert I., 4,808,748, Cl. 558-378.000.

Davidson, Robert J.: *See—*

Bhattacharyya, Manoj K.; Davidson, Robert J.; and Gill, Hardayal S., 4,881,143, Cl. 360-113.000.

Davidson, Rodney. Helmet visor with water storage. 4,813,083, 3-21-89, Cl. 2-422.000.

Davidson Textron Inc.: *See—*

Belleville, Ernest L.; and Betzig, Patricia A., 4,863,654, Cl. 264-46.600.

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Gray, John D., 4,851,177, Cl. 264-297.600.

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LaRoche, Wayne D.; and Gray, John D., 4,882,173, Cl. 425-130.000.

McCormack, Joseph A., 4,836,49[illegible], Cl. 249-83.000.

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Parker, Kent; Batchelder, Bruce; and Clavette, Norman, 4,860,815, Cl. 164-47.000.

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Sparling, Robert D., II; and Vachon, Gerard L., 4,877,652, Cl. 427-264.000.

Swenson, Harold W.; and Tuttle, Ken E., 4,839,117, Cl. 264-46.400.

Davidson, Todd W. Anterior-lateral "off-axis bite block system" for radiation therapy. 4,846,173, 7-11-89, Cl. 128-303.00B.

Davidson, Wayne A.; Ernst, John P.; Herkes, Marybeth; Kuppuswami, Ram; Satalich, Timothy A.; and Stanaway, John J., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Call coverage arrangement. 4,873,717, 10-10-89, Cl. 379-157.000.

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Collins, Robert W.; Davidson, William S.; Dickes, Steven M.; Effle, James S.; Larson, Carle J.; Weinschenk, Russell J.; and Wottreng, Peter M., 4,847,749, Cl. 364-200.000.

Davidson, Windell L. Muzzle brake system. 4,852,460, 8-1-89, Cl. 89-14.050.

Davidsson, Jan O. P., to Boliden Aktienbolag. Polymer dissolver. 4,846,582, 7-11-89, Cl. 366-150.000.

Davidsson, Mats I. Means for securing objects. 4,817,780, 4-4-89, Cl. 198-465.400.

Davidsson, Mats I. Device for securing objects. 4,830,174, 5-16-89, Cl. 198-465.400.

Davidts, Emmanuel, to Technic Gum. Scraper assembly for scraping a surface of a conveying belt. 4,825,996, 5-2-89, Cl. 198-497.000.

Davie, Alan J., to U.S. Philips Corporation. Arrangement for generating a sawtooth current. 4,890,043, 12-26-89, Cl. 315-408.000.
Davie, Doris L.: See—
Allen, Charles H., 4,852,918, Cl. 292-169.000.
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Davier, Jean-Pierre, to Robatel S.L.P.I. Centrifugal machine with retractable supply spout. 4,869,713, 9-26-89, Cl. 494-62.000.
Davies, Alan F. Visible file pockets. 4,870,767, 10-3-89, Cl. 40-360.000.
Davies, Brady R.: See—
Red, Walter E.; Davies, Brady R.; Wang, Xuguang; and Turner, Edgar R., 4,831,549, Cl. 364-513.000.
Davies, David H. Retrolasing catheter and method. 4,819,632, 4-11-89, Cl. 128-303.100.
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Davies, Donald W., to National Research Development Corporation. Apparatus and methods for granting access to computers. 4,799,258, 1-17-89, Cl. 380-21.000.
Davies, Dylan H.; and Takeda, Jiro, to Schlumberger Technology Corporation. Borehole casing diagnostic apparatus and method. 4,857,831, 8-15-89, Cl. 324-65.0CR.
Davies, Geoffrey J.; Hedges, Lesley K.; and Robertson, Stuart H. Cubic boron nitride manufacture. 4,883,648, 11-28-89, Cl. 423-290.000.
Davies, Glyndwr, to AE PLC. Plain bearing. 4,865,922, 9-12-89, Cl. 428-551.000.
Davies, Guy E., to Plessey Overseas Limited. Reaction jet control system. 4,856,734, 8-15-89, Cl. 244-3.220.
Davies, Gwilym R., to Imperial Chemical Industries PLC. Multi-jet ink jet printer. 4,814,788, 3-21-89, Cl. 346-75.000.
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Marcuson, Samuel W.; Diaz, Carlos M.; Bell, James A. E.; Davies, Haydn; and Stratton-Crawley, Richard, 4,830,667, Cl. 75-76.000.
Davies, Idwal; and Bellis, John. Method of producing abrasive particle-containing bodies. 4,832,705, 5-23-89, Cl. 51-293.000.
Davies, James S. Stringed musical instrument. 4,856,403, 8-15-89, Cl. 84-291.000.
Davies, John, to British United Shoe Machinery Ltd. Adhesive-applying apparatus. 4,836,139, 6-6-89, Cl. 118-696.000.
Davies, John H.: See—
Lay, Kenneth W.; Rosenbaum, Herman S.; Davies, John H.; and Marlowe, Mickey O., 4,869,866, Cl. 376-421.000.
Lay, Kenneth W.; Rosenbaum, Herman S.; and Davies, John H., 4,869,867, Cl. 376-421.000.
Lay, Kenneth W.; Rosenbaum, Herman S.; and Davies, John H., 4,869,868, Cl. 376-421.000.
Davies, John S., to Beecham Group p.l.c. 11-ether derivatives of erythromycins. 4,847,242, 7-11-89, Cl. 514-29.000.
Davies, John T.: See—
Hayes, James A.; and Davies, John T., 4,795,880, Cl. 219-121.520.
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Dobson, Brian; Whyman, Peter J. M.; Doy, Ralph J.; Engel, Manfred O.; and Davies, Raymond, 4,882,444, Cl. 549-534.000.
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Davies, Robert; and Johndrow, John P., to Sankey Vending Limited. Dispensing apparatus with pivotable article containers. 4,871,086, 10-3-89, Cl. 221-4.000.
Davies, Robert; Hoare, Percy W.; and Gibson, Peter J., to U.S. Philips Corp. Microwave balun. 4,882,553, 11-21-89, Cl. 333-26.000.
Davies, Robert B., to Motorola, Inc. Integrated Schottky diode and transistor. 4,871,686, 10-3-89, Cl. 437-39.000.
Davies, Robert L., to Parke-Davis & Co. Ltd. Apparatus and method for determining the amount of substance in a vessel. 4,841,770, 6-27-89, Cl. 73-290.00V.
Davies, Roger W.: See—
Buxton, Franics P.; Gwynne, David I.; and Davies, Roger W., 4,885,249, Cl. 435-172.300.
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Davies, Roy O. Portable shower. 4,866,794, 9-19-89, Cl. 4-599.000.
Davies, Roy V., to Boots Company plc, The. 1,4-dihydroquinolines-3-carboxamides. 4,855,291, 8-8-89, Cl. 514-312.000.
Davies, Roy V., to Boots Company, PLC, The. Thieno[3,2-b]pyridine-6-carboxamide compounds useful in treating hypertension. 4,877,793, 10-31-89, Cl. 514-301.000.

Davies, Stephen H., to Lucas Industries, public limited compan Coupling for a linear displacement transducer. 4,886,154, 12-12-8 Cl. 192-141.000.
Davies, Stephen P.; Horley, Susan M.; and Westby, Margaret J., t Imperial Chemical Industries plc. Coating compositions. 4,849,4 7-18-89, Cl. 524-375.000.
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Davies, Timothy C.: See—
Szymozak, Edward J.; Cassity, Thomas G.; Taylor, William M. Tiemer, Peer H.; Hoes, Larry M.; Smith, Jerry D.; and Davies Timothy C., 4,869,319, Cl. 166-115.000.
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Ponziani, Richard L.; Davies, William E.; and Trittschuh, Everet P., III, 4,797,110, Cl. 439-83.000.
Davila, Fernando E.; and Schmid, Richard G., to Zenith Electronic Corporation. Test fixture for circuit components on circuit boards 4,800,335, 1-24-89, Cl. 324-158.00F.
Davis, Adrian F.; and Ridgway Watt, Peter, to Beecham Group p.l. Striped paste dispenser. 4,842,164, 6-27-89, Cl. 222-94.000.
Davis Aerospace Corp.: See—
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Davis, Alan R.: See—
Hsiao, Chu-lai; Mason, Bruce B.; and Davis, Alan R., 4,853,333, C 435-256.000.
Davis, Albert F. Alarm transmission system and circuit interceptio switch. 4,801,925, 1-31-89, Cl. 340-574.000.
Davis, Alfred L., to Sheller-Globe Corporation. Method for formin fiber web for compression molding structural substrates for pane and fiber web. 4,865,785, 9-12-89, Cl. 264-112.000.
Davis, Allen R.; and Willis, Elbert A., to A. P. Green Industries, In Sprayable plastic refractory. 4,810,537, 3-7-89, Cl. 427-422.000.
Davis, Allen V. C. Method and apparatus for producing precise leng devices. 4,862,723, 9-5-89, Cl. 72-352.000.
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Wagner, Robert K.; Homery, Alex L.; Asbury, Richard C.; an Davis, Allen W., Jr., 4,815,364, Cl. 98-114.000.
Davis, Bill E.: See—
Stewart, G. Wayne; Davis, Bill E.; Thomas, William M.; Dobi Michael J.; and Bacigalupe, Carlos, 4,846,647, Cl. 432-8.000.
Davis, Bradley D.; Groshong, Judson C.; and Marcel, Leonard J., t Medalarm Corporation. Self-contained disposable timer for use wit medication. 4,849,948, 7-18-89, Cl. 368-10.000.
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Davis, Brian S.: See—
Cerretti, Douglas P.; Davis, Brian S.; and Maliszewski, Charles R 4,879,374, Cl. 536-27.000.
Davis, Bruce M., to Honeywell Inc. Self-calibrating scanner mot driver apparatus and method. 4,868,467, 9-19-89, Cl. 318-254.00
Davis, Bruce W., to Chevron Research Company. In situ chemica stimulation of diatomite formations. 4,828,031, 5-9-89, C 166-272.000.
Davis, Bruce W., to Chevron Research Company. Polydialkylsilalky lene polymer useful in enhanced oil recovery using carbon dioxid flooding. 4,852,651, 8-1-89, Cl. 166-268.000.
Davis, Cecil J.; and Matthews, Robert T., to Texas Instruments Inco porated. Apparatus for transferring workpieces. 4,816,098, 3-28-8 Cl. 156-345.000.
Davis, Cecil J.; Matthews, Robert; and Hildenbrand, Randall C., t Texas Instruments Incorporated. Semiconductor wafer transfe method and arm mechanism. 4,816,116, 3-28-89, Cl. 156-643.000.
Davis, Cecil J.; and Matthews, Robert T., to Texas Instruments Inco porated. Wafer processing apparatus. 4,818,327, 4-4-89, C 156-345.000.
Davis, Cecil J.; Matthews, Robert T.; Jucha, Rhett B.; and Loewe stein, Lee M., to Texas Instruments Incorporated. Method fo cleanup processing chamber and vacuum process module. 4,820,37 4-11-89, Cl. 156-643.000.
Davis, Cecil J.; Loewenstein, Lee M.; Jucha, Rhett B.; Matthew Robert T.; Hildenbrand, Randall C.; Freeman, Dean W.; and Jone John I., to Texas Instruments Incorporated. Processing apparatus an method. 4,822,450, 4-18-89, Cl. 156-643.000.
Davis, Cecil J.; Loewenstein, Lee M.; and Jucha, Rhett B., to Tex Instruments Incorporated. Method for etching an aluminum fil doped with silicon. 4,828,649, 5-9-89, Cl. 156-643.000.
Davis, Cecil J.; Matthews, Robert T.; and Fisher, Wayne G., to Tex Instruments Incorporated. Processing apparatus and metho 4,830,700, 5-16-89, Cl. 156-345.000.
Davis, Cecil J.; and Matthews, Robert T., to Texas Instruments Inco porated. Processing apparatus and method. 4,832,777, 5-23-89, C 156-345.000.
Davis, Cecil J.; Freeman, Dean W.; Matthews, Robert T.; and Tomi Joel T., to Texas Instruments Inc. Processing apparatus for wafe 4,832,778, 5-23-89, Cl. 156-345.000.
Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hilde brand, Randall C.; Simpson, Bruce; Bohlman, James G.; Loewe

stein, Lee M.; and Jones, John I., to Texas Instruments Incorporated. Processing apparatus. 4,836,905, 6-6-89, Cl. 204-298.000.
Davis, Cecil J.; Wooldridge, Timothy J.; and Carter, Duane E., to Texas Instruments Incorporated. Advanced vacuum processor. 4,842,680, 6-27-89, Cl. 156-643.000.
Davis, Cecil J.; Loewenstein, Lee M.; Matthews, Robert T.; Jones, John I.; and Jucha, Rhett B., to Texas Instruments Incorporated. Wafer processing apparatus and method. 4,842,686, 6-27-89, Cl. 156-643.000.
Davis, Cecil J.; Carter, Duane E.; and Jucha, Rhett B., to Texas Instruments Incorporated. Apparatus and method for plasma-assisted etching. 4,849,068, 7-18-89, Cl. 156-643.000.
Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., to Texas Instruments Incorporated. Processing apparatus. 4,872,938, 10-10-89, Cl. 156-345.000.
Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Abernathy, Joe V.; and Wooldridge, Timothy A., to Texas Instruments Incorporated. Wafer processing apparatus. 4,875,989, 10-24-89, Cl. 204-298.000.
Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Jucha, Rhett B.; Hildenbrand, Randall C.; and Jones, John I., to Texas Instruments Incorporated. Processing apparatus and method. 4,886,570, 12-12-89, Cl. 156-643.000.
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Garza, Cesar M.; Douglas, Monte A.; Loewenstein, Lee M.; and Davis, Cecil J., 4,882,008, Cl. 156-643.000.
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Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., 4,842,676, Cl. 156-643.000.
Jucha, Rhett B.; and Davis, Cecil J., 4,842,687, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; Carter, Duane E.; Crank, Sue E.; and Jones, John I., 4,849,067, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., 4,855,016, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Crank, Sue E., 4,863,558, Cl. 156-643.000.
Jucha, Rhett B.; Carter, Duane E.; Davis, Cecil J.; and Crank, Sue E., 4,874,723, Cl. 437-245.000.
Jucha, Rhett B.; Davis, Cecil J.; Tang, Tom; and Loewenstein, Lee M., 4,878,994, Cl. 156-643.000.
Liu, Jiann; Davis, Cecil J.; and Loewenstein, Lee M., 4,818,326, Cl. 156-345.000.
Loewenstein, Lee M.; and Davis, Cecil J., 4,830,705, Cl. 156-643.000.
Loewenstein, Lee M.; and Davis, Cecil J., 4,844,773, Cl. 156-643.000.
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Luttmer, Joseph D.; York, Rudy L.; Smith, Patricia B.; and Davis, Cecil J., 4,837,113, Cl. 427-38.000.
Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; York, Rudy L.; Loewenstein, Lee M.; and Jucha, Rhett B., 4,838,984, Cl. 156-643.000.
Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; and York, Rudy L., 4,855,160, Cl. 427-38.000.
York, Rudy L.; Luttmer, Joseph D.; Smith, Patricia B.; and Davis, Cecil J., 4,877,757, Cl. 437-235.000.
Davis, Charles; and Kennedy, Robert, to Aaxon Industrial, Inc. Particulate separation chamber and bag disposal means in a negative pressure system for collection of hazardous material. 4,828,187, 5-9-89, Cl. 241-24.000.
Davis, Charles B. Fire extinguishing appliance and appended supplementary appliances. 4,872,511, 10-10-89, Cl. 169-12.000.
Davis, Charles J., to Uni-Cepts, Inc. Swiveling, wall-mounted ironing board. 4,862,811, 9-5-89, Cl. 108-134.000.
Davis, Charles L.; and Spector, George. Finger and thumb protector. 4,796,302, 1-10-89, Cl. 2-21.000.
Davis, Charles L.: See—
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Davis, Charles M., to Optical Technologies, Inc. Fiber optic interferometric thermometer. 4,868,381, 9-19-89, Cl. 250-227.000.
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Davis, Charles W., Jr.; Fairchild, Charles L.; Folkers, Joanne Marie-Colletti; and Kendall, Robert C., to General Foods Corporation. Method for increasing stability of liquid beverage concentrate. 4,830,870, 5-16-89, Cl. 426-599.000.
Davis, Christopher K.; and Beasom, James D., to Harris Corporation. Low top gate resistance JFET structure. 4,876,579, 10-24-89, Cl. 357-22.000.
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Fritz, Marlene M.; Love, Betty J.; Sweeney, Mary D.; and Davis, Chuck, 4,855,723, Cl. 340-691.000.
Davis, Clint A.; and Trail, Melvin P., to Beckworth Davis International, Inc. Microprocessor controller welding apparatus. 4,821,202, 4-11-89, Cl. 364-477.000.

Davis, Clyde V., Jr., to Diversey Corporation. Unitary dishwashing product comprising detergent block in container and use thereof. 4,808,236, 2-28-89, Cl. 134-25.200.
Davis Controls Corporation: See—
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Davis, Craig M.; and Rasmussen, Richard R., to National Semiconductor Corporation. High frequency ECL voltage controlled ring oscillator. 4,876,519, 10-24-89, Cl. 331-57.000.
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Byrd, David A.; Tietz, Gary W.; and Davis, Craig M., 4,814,726, Cl. 331-1.00A.
Davis, Curry B., to Arizona Chemical Company. Tackifier resin composition and process for preparing same. 4,797,460, 1-10-89, Cl. 526-281.000.
Davis, D. G.; and Dicks, L. W. R., to Shell Oil Company. Coal gasification process with inhibition of quench zone plugging. 4,805,561, 2-21-89, Cl. 122-7.00R.
Davis, D. G.; Dicks, Lynton W. R.; and Horwege, J. A., to Shell Oil Company. Coal gasification process with inhibition of quench zone plugging. 4,805,562, 2-21-89, Cl. 122-7.00R.
Davis, D. G.; and Dicks, Lynton W. R., to Shell Oil Company. Coal gasification process with inhibition of quench zone plugging. 4,823,742, 4-25-89, Cl. 122-7.00R.
Davis, D. J., Jr.: See—
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Davis, Daren C.; and Earle, George A., III, to LTV Aerospace & Defense Co. Material transfer system. 4,862,649, 9-5-89, Cl. 51-437.000.
Davis, Darrel B. Foldable tow bar. 4,856,805, 8-15-89, Cl. 280-491.400.
Davis, David. Beverage bag assembly with supporting framework and vented cap and storage chamber. 4,828,850, 5-9-89, Cl. 426-77.000.
Davis, David R.; and Slayton, Danny L., to Colorocs Corporation. Cleaning station for use in an electrophotographic print engine. 4,866,483, 9-12-89, Cl. 355-299.000.
Davis, David R.: See—
Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., 4,806,097, Cl. 432-60.000.
Davis, Delbert A.; and McGee, James N., Jr., to Highland Industries, Inc. Elastomer-coated fabric products and process for producing the same. 4,828,909, 5-9-89, Cl. 428-253.000.
Davis, Dennis W.; and Davis, Russell D. Projected image tag game. 4,799,687, 1-24-89, Cl. 273-312.000.
Davis, Dennis W. P.; and Tough, Timothy. Wrecking apparatus. 4,805,707, 2-21-89, Cl. 173-139.000.
Davis, Dick E.; Brazell, Charles R.; and Johnston, Jerome E., to General Electrodynamics Corporation. Highly accurate platform weighing system. 4,836,308, 6-6-89, Cl. 177-25.140.
Davis, Donald D. Method of cutting hair and toothed template curves for cutting hair. 4,867,184, 9-19-89, Cl. 132-214.000.
Davis, Donald E., to Telescreed, Inc. Telescopic pivoting screed. 4,795,332, 1-3-89, Cl. 425-60.000.
Davis, Donald E.; Doran, Samuel K.; Perkins, Merlyn H.; and Pfeiffer, Hans C., to International Business Machines Corporation. Electron beam writing method and system using large range deflection in combination with a continuously moving table. 4,818,885, 4-4-89, Cl. 250-492.200.
Davis, Donald F.; Brodsky, Stuart; and Houska, Jeffrey. Needle guide and puncture protector. 4,799,927, 1-24-89, Cl. 604-192.000.
Davis, Donald J., Jr.: See—
Insetta, Victor; and Davis, Donald J., Jr., 4,856,102, Cl. 361-330.000.
Davis, Drucilla G.; Dicks, Lynton W. R.; and Horwege, J. A., to Shell Oil Company. Coal gasification process with inhibition of quench zone plugging. 4,823,741, 4-25-89, Cl. 122-7.00R.
Davis, Duane A.: See—
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Davis, Dwayne, to Emerson Electric Co. Explosion-proof fixture and method. 4,841,418, 6-20-89, Cl. 362-223.000.
Davis, Dwight P.: See—
Lyons, Larry A.; Davis, Dwight P.; and Swered, Paul, 4,816,163, Cl. 210-698.000.
Lyons, Larry A.; Davis, Dwight P.; and Swered, Paul, 4,857,209, Cl. 210-755.000.
Davis, E. Wayne. Oral injury prevention appliance for comatose patients and the like. 4,867,147, 9-19-89, Cl. 128-859.000.
Davis, Earl K.; Drye, James E.; and Reed, David J., to Motorola, Inc. Glass bonding means and method. 4,800,421, 1-24-89, Cl. 357-80.000.
Davis, Eddie L. Golf stance training aid. 4,819,940, 4-11-89, Cl. 273-187.00B.
Davis, Edward E., to Fine Metals Export Corporation Limited. Gold inquartation process. 4,857,107, 8-15-89, Cl. 75-97.00A.
Davis, Edward H.; Klaes, Gerald F.; Harris, Jack L.; and Douglass, Paul L., to Gates Rubber Company, The. Crimping apparatus. 4,885,928, 12-12-89, Cl. 72-410.000.
Davis, Edward J.: See—
Jacobs, Robert D.; and Davis, Edward J., 4,863,775, Cl. 428-91.000.
Davis, Elliot. Pattern recognition error reduction system. 4,802,231, 1-31-89, Cl. 382-34.000.
Davis, Emsley A. Apparatus and method for repairing and preventing para-stomal hernias. 4,854,316, 8-8-89, Cl. 128-334.00R.
Davis, Emsley A. Game. 4,854,589, 8-8-89, Cl. 273-123.00R.

Davis, Eric N. Record album storage and display device. 4,826,020, 5-2-89, Cl. 211-40.000.

Davis, Evy P., to Dana Corporation. Nut assembly with rotatable sleeve for taking up backlash. 4,872,795, 10-10-89, Cl. 411-433.000.

Davis, F. Darell, to American Angler Corporation. Fishing lure with double-walled annular region having plural passages. 4,881,340, 11-21-89, Cl. 42-42.060.

Davis Furniture Industries, Inc.: *See—*
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Davis, Gail F.; Baker, Robert L.; Bragg, Dale E.; and Stegemoeller, Calvin L., to Halliburton Company. Blender vehicle apparatus. 4,854,714, 8-8-89, Cl. 366-132.000.

Davis, Gail F.; and Baker, Robert L., to Halliburton Company. Tank mounting apparatus. 4,872,794, 10-10-89, Cl. 410-54.000.

Davis, Gail F.: *See—*
Stegemoeller, Calvin L.; and Davis, Gail F., 4,802,141, Cl. 366-132.000.
Stegemoeller, Calvin L.; Davis, Gail F.; and Walker, Lonnie R., 4,850,701, Cl. 366-132.000.

Davis, Gary J.: *See—*
Goodwin, Roy D.; Ostrowski, Henry S.; and Davis, Gary J., 4,824,498, Cl. 156-71.000.

Davis, Gayron N.; Haynes, Henry W., Sr.; and Parekh, Dhan N., to West Point Pepperell, Inc. Fire retarding polypropylene fiber and fabric and method for preparing. 4,863,764, 9-5-89, Cl. 427-393.300.

Davis, Gene: *See—*
Cole, Francis X.; Davis, Gene; and Sigillo, Eric, 4,859,612, Cl. 436-523.000.

Davis, George W., to Inner-Tite Corp. Locking device for utility meters. 4,830,414, 5-16-89, Cl. 292-327.000.

Davis, Glen: *See—*
Keel, Jerry L.; Hines, Thomas M.; Davis, Glen; and Parks, William E., 4,812,750, Cl. 324-158.00F.

Davis, Glenn T., to Arthur D. Little, Inc. Method and system for storing and retrieving compressed data. 4,868,570, 9-19-89, Cl. 341-106.000.

Davis, Gordon T.; and Mandalia, Baiju D., to International Business Machines Corporation. Differential phase modulation demodulator. 4,849,706, 7-18-89, Cl. 329-112.000.

Davis, Gordon T.; and Mandalia, Baiju D., to International Business Machines, Corp. Coherent phase shift keyed demodulator. 4,871,974, 10-3-89, Cl. 329-345.000.

Davis, Gregory B.: *See—*
Buchanan, Michael S.; Davis, Gregory B.; and Greenhouse, Walter V. V., 4,839,393, Cl. 521-53.000.

Davis, Guy M.: *See—*
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Davis, H. O.: *See—*
Chen, Shih-Huei; and Davis, H. O., 4,837,230, Cl. 501-88.000.

Davis, Harold A.; and Saude, Gerald B., to Willmar Manufacturing, a division of Waycrosse, Inc. Pneumatic spreader. 4,852,809, 8-1-89, Cl. 239-654.000.

Davis, Hedley; and Raible, Robert, to Commodore Business Machines, Inc. Circuit for interfacing mouse input device to computer system. 4,886,941, 12-12-89, Cl. 178-18.000.

Davis, Hedley C., to Commodore Business Machines, Inc. Computer video demultiplexer. 4,851,826, 7-25-89, Cl. 340-731.000.

Davis, Hubert P. Space launch vehicle. 4,796,839, 1-10-89, Cl. 244-158.00R.

Davis, Jack: *See—*
Cochran, Frederick; Davis, Jack; and Apruzese, John, 4,803,687, Cl. 372-5.000.

Davis, Jack W.; and Brown, Clyde O., to United Technologies Corporation. Laser gas composition control arrangement and method. 4,888,786, 12-19-89, Cl. 372-58.000.

Davis, James A., to Brunswick Corporation. Multipoint spark ignition system. 4,805,570, 2-21-89, Cl. 123-310.000.

Davis, James A., to Firestone Tire & Rubber Company, The. Method for improving green strength properties of vulcanizable rubber compositions. 4,839,428, 6-13-89, Cl. 525-215.000.

Davis, James A., to American Standard Inc. Positionable economizer. 4,843,839, 7-4-89, Cl. 62-326.000.

Davis, James A.: *See—*
Bloss, Karl H.; Davis, James A.; and Neuman, George A., 4,857,361, Cl. 427-109.000.
Valaitis, Joseph K.; and Davis, James A., 4,803,020, Cl. 264-22.000.

Davis, James B. Detachable handle system. 4,850,502, 7-25-89, Cl. 220-94.00R.

Davis, James C.; McGuiggan, Michael F.; Cuellar, Edward A.; and Haas, Frederick W., to Standard Oil Company, The. Electrodeposition recovery method for metals in polymer chelates. 4,857,159, 8-15-89, Cl. 204-149.000.

Davis, James E.: *See—*
Dilling, Peter; DelliColli, Humbert T.; and Davis, James E., 4,797,157, Cl. 106-20.000.
Rush, Hughey A.; Hibbard, Billy B.; Pursoo, Johnson L.; Lindsay, John W.; Smith, Thomas E.; Harper, Kenneth; Tullos, Michael V.; and Davis, James E., 4,886,706, Cl. 428-288.000.

Davis, James H.; and Dams, Michael J., to Dow Corning, Ltd. Silcone elastomer-forming compositions. 4,800,124, 1-24-89, Cl. 428-391.000.

Davis, James K.; Craycroft, Robert S.; and Lorenzo, Tina V., to Burlington Industries, Inc. Method for dyeing in high-boiling nonionic solvents. 4,799,935, 1-24-89, Cl. 8-922.000.

Davis, James K.; and Cates, Barbara J., to Burlington Industries, Inc. Aramid fibers with improved flame resistance. 4,814,222, 3-21-89, Cl. 428-229.000.

Davis, James K.; Althen, Wayne W.; Cloutier, Daniel R.; and Schm ler, Gerry R., to Sunnen Products Company. Computer controlled honing machine using look up table data for automatic programming. 4,887,221, 12-12-89, Cl. 364-474.230.

Davis, James M., to E-Systems, Inc. Passive aerodynamic load mitigation system. 4,804,154, 2-14-89, Cl. 244-1.00R.

Davis, James P.; and Henry, David W. Portable collapsible building system of modular construction. 4,802,500, 2-7-89, Cl. 135-97.000.

Davis, James R., to Fisher Controls International, Inc. High pressure flexible seat valve trim. 4,834,338, 5-30-89, Cl. 251-171.000.

Davis, James R.; and Wilson, Robert T., to Fisher Controls International, Inc. Valve stem packing containment for high pressure, high temperature. 4,886,241, 12-12-89, Cl. 251-214.000.

Davis, James R.: *See—*
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Davis, Jeffrey A.; Bach, Glenn W.; Cottrell, Don M.; and Lilly, Roger A. High efficiency spatial masks. 4,813,761, 3-21-89, Cl. 350-162.15

Davis, Jeffrey A.: *See—*
Herlein, Richard F.; Davis, Jeffrey A.; and Cotriss, E. James, 4,820,944, Cl. 307-603.000.
Herlein, Richard F.; and Davis, Jeffrey A., 4,837,521, Cl. 328-72.000.

Davis, Jeffrey R.: *See—*
Perzley, William; Penkar, Rajan C.; and Davis, Jeffrey R., 4,823,279, Cl. 364-513.000.

Davis, Jerry E.: *See—*
Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gonzale Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, 4,885,182, Cl. 426-482.000.

Davis, Jesse F.; and Prevost, John C. Vehicle motion indicator 4,812,807, 3-14-89, Cl. 340-464.000.

Davis, John, to Honeywell, Inc. Automated modeling method for tuning transformers. 4,817,011, 3-28-89, Cl. 364-481.000.

Davis, John: *See—*
Waugh, Gerald; Myers, Charley; Davis, John; and Sullivan, John, 4,858,119, Cl. 364-400.000.

Davis, John C.; and Milne, James A., to CTI Industries. Method and apparatus of tying the neck of a balloon. 4,802,877, 2-7-89, Cl. 446-222.000.

Davis, John D.: *See—*
Culican, Edward F.; Davis, John D.; Powell, Martin E.; and Pritzlaff, Philip E., Jr., 4,825,178, Cl. 331-116.00R.
Culican, Edward F., Sr.; Davis, John D.; Ewen, John F.; McCabe, Scott A.; Mosley, Joseph M.; Mullgrav, Allan L., Jr.; Ne Philip F.; Peterson, Clarence I., Jr.; and Pritzlaff, Philip E., Jr., 4,833,425, Cl. 331-1.00A.

Davis, John M. Apparatus for molding footwear. 4,886,238, 12-12-89, Cl. 249-83.000.

Davis, John R.; and Thurston, Marlin O., to Canaby Technologies Corporation. Paraxial stereoscopic projection system. 4,79 1-24-89, Cl. 350-137.000.

Davis, Jon P.: *See—*
Bobb, Lloyd C.; White, Barbara J.; and Davis, Jon P., 4,859,05 Cl. 356-345.000.

Davis, Kelvin R.: *See—*
Ryan, Paul T.; Davis, Kelvin R.; and Wyatt-Millington, Charles W., 4,846,954, Cl. 33-366.000.

Davis, Kenneth. Rotating blowout preventor for drilling rig. 4,825,9 5-2-89, Cl. 166-84.000.

Davis, Kenneth F., to Hester Industries, Inc. Electrical high current industrial oven or fryer compression connection. 4,831,240, 5-16-89, Cl. 219-539.000.

Davis, Kenneth P.: *See—*
Young, David E.; and Davis, Kenneth P., 4,881,299, Cl. 16-371.000.

Davis, Kent A.; Bekele, Solomon; and Stockley, Henry W., to W. R. Grace & Co. Peelable barrier film for vacuum skin packages and the like. 4,886,690, 12-12-89, Cl. 428-36.600.

Davis, Kent A.: *See—*
Friedrich, Steven G.; and Davis, Kent A., 4,859,514, Cl. 428-36.600.

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Davis, L. Porter: *See—*
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Davis, Lance A.: *See—*
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Davis, Larry: *See—*
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Effland, Richard C.; Davis, Larry; Kapples, Kevin J.; and Olsen, Gordon E., 4,879,382, Cl. 540-554.000.
Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,812,45 Cl. 514-225.500.
Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,822,7 Cl. 514-225.500.
Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,853,384, Cl. 514-255.000.
Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,861,889, Cl. 546-183.000.

Davis, Leland L., to Davco Manufacturing Corporation. Fuel tank heating system. 4,807,584, 2-28-89, Cl. 123-557.000.

Davis, Leland L., to Davco Manufacturing Corporation. Electric heater for fuel tank discharge opening coupling to prevent fuel waxing. 4,883,943, 11-28-89, Cl. 219-306.000.

Davis, Leo W., to Liquid Spring Investors, Ltd. Fluid suspension spring and dampener for vehicle suspension system. 4,877,222, 10-31-89, Cl. 267-64.130.

Davis, Leonard H.: *See—*
Coran, Aubert Y.; and Davis, Leonard H., 4,869,968, Cl. 428-495.000.

Davis, Leonard L. Structural member with forward guide and rearward mounting components. 4,795,405, 1-3-89, Cl. 272-23.000.

Davis, Leonard L., Jr.; and Schafer, Daniel J., to Span-America Medical Systems, Inc. Traction pillow and method. 4,832,007, 5-23-89, Cl. 128-70.000.

Davis, Lester W., Jr.; Geosits, John P.; Juedes, Dennis L.; and Kiczek, Edward F., to Exxon Research and Engineering Company. Low BTU gas staged air burner for forced-draft service. 4,859,173, 8-22-89, Cl. 431-175.000.

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Davis, Lois T.: *See—*
Hater, Gary R.; Krupka, Mark J.; and Davis, Lois T., 4,810,385, Cl. 210-606.000.
Stringfellow, William T.; Goldsmith, Charles D.; and Davis, Lois T., 4,872,986, Cl. 210-611.000.

Davis, Lori J. Substitute for oral smokeless tobacco and method of making the same. 4,811,746, 3-14-89, Cl. 131-359.000.

Davis, Mark F.: *See—*
Mandell, Douglas E.; Todd, Craig C.; Allen, Ioan R.; and Davis, Mark F., 4,799,260, Cl. 381-22.000.

Davis, Mark H.: *See—*
Bishop, Thomas P.; Davis, Mark H.; Fish, Robert W.; Peterson, James S.; and Surratt, Grover T., 4,811,216, Cl. 364-200.000.

Davis, Mark W.: *See—*
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Policastro, Peter P.; Hernandez, Pamela K.; and Davis, Mark W., 4,820,781, Cl. 525-431.000.

Davis, Marvin B., to Laser Magnetic Storage International Company. Disk drive for cartridge disks. 4,823,214, 4-18-89, Cl. 360-97.010.

Davis, Matthew A.; and Mismas, James R., to Tridelta Industries, Inc. Spa side control unit. 4,844,333, 7-4-89, Cl. 236-51.000.

Davis Meditech: *See—*
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Davis, Michael A.: *See—*
Neirinckx, Rudi D.; Holman, B. Leonard; Davis, Michael A.; and Harris, Gale I., 4,830,848, Cl. 424-1.100.

Davis, Michael B.: *See—*
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Davis, Michael D.: *See—*
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Davis, Michael J.: *See—*
Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853,423, Cl. 523-428.000.

Davis, Mike: *See—*
Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., 4,809,237, Cl. 367-35.000.
Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., 4,834,209, Cl. 181-105.000.

Davis, Murray W. System for rating electric power transmission lines and equipment. 4,806,855, 2-21-89, Cl. 324-127.000.

Davis, Murray W. Overhead power line clamp and antenna. 4,827,272, 5-2-89, Cl. 343-702.000.

Davis, Nancy, legal representative: *See—*
Chaffin, Roger J., deceased; Dawson, Ralph; Fritz, Ian J.; Osbourn, Gordon C.; and Zipperian, Thomas E., 4,797,716, Cl. 357-22.000.

Davis Newgard Revocable Family Living Trust: *See—*
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Davis, Norman C.: *See—*
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Marschman, Steven C.; and Davis, Norman C., 4,871,438, Cl. 204-291.000.

Davis, Patricia A.: *See—*
Upchurch, Billy T.; Davis, Patricia A.; and Miller, Irvin M., 4,855,274, Cl. 502-339.000.

Davis, Paul J.; and Reynolds, James F., to Unilever Patent Holdings B.V. Method and compositions for the control of coccidiosis in poultry. 4,863,731, 9-5-89, Cl. 424-93.000.

Davis, Paul J.; and Porter, Philip, to Unilever Patent Holdings B.V. Process and apparatus for carrying out specific binding assays. 4,889,816, 12-26-89, Cl. 436-518.000.

Davis, Paul R., to Videx, Inc. Replaceable reader head for optical code reader. 4,801,789, 1-31-89, Cl. 235-472.000.

Davis, Pauline D. Educational blocks. 4,802,854, 2-7-89, Cl. 434-159.000.

Davis, Pauls; Grace, Oscar M.; and Wujcik, Steven E., to BASF Corporation. Flexible flame resistant polyurethane foams. 4,810,729, 3-7-89, Cl. 521-94.000.

Davis, Pauls: *See—*
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Davis, Philip L.: *See—*
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Davis, Phillip, to Double Helix Enterprises. Vehicle immobilization device. 4,854,144, 8-8-89, Cl. 70-226.000.

Davis, Rex M.: *See—*
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Davis, Richard; Goodfellow, Robert C.; and Morgan, Peter J., to Plessey Overseas Limited. Fabrication of optical devices. 4,867,371, 9-19-89, Cl. 228-160.000.

Davis, Richard: *See—*
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Davis, Richard A.: *See—*
Dana, David E.; Davis, Richard A.; Hudson, Howard J.; and Morris, Steven J., 4,808,478, Cl. 428-391.000.

Davis, Richard C. Medical lavage apparatus. 4,842,581, 6-27-89, Cl. 604-38.000.

Davis, Richard C. Medical lavage apparatus. 4,872,866, 10-10-89, Cl. 604-227.000.

Davis, Richard E.; and DeVries, Ronald A., to DLP Inc. Combined needle protector and guidewire feeder. 4,846,804, 7-11-89, Cl. 604-164.000.

Davis, Richard E.; and Fuchs, Kathryn J. Applicator bottle. 4,859,105, 8-22-89, Cl. 401-286.000.

Davis, Richard E.: *See—*
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Davis, Robert. Article bagger. 4,798,042, 1-17-89, Cl. 53-572.000.

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Lai, Hoi K.; Davis, Robert A.; and Blem, Allen R., 4,857,649, Cl. 548-262.000.

Davis, Robert B.; and DeVack, Donald L., to Union Carbide Corporation. Droplet freezing method and apparatus. 4,848,094, 7-18-89, Cl. 62-64.000.

Davis, Robert B.; Kramer, Charles E.; and Barlow, Sandra K., to Albany Research (UK) Limited. Paper machine felts. 4,874,660, 10-17-89, Cl. 428-234.000.

Davis, Robert C., to Harris Corp. CPFSK communication system employing nyquist-filtered modulator/demodulator. 4,843,615, 6-27-89, Cl. 375-80.000.

Davis, Robert C., Jr.: *See—*
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Davis, Robert F.; Carter, Calvin H., Jr.; and Hunter, Charles E., to North Carolina State University. Sublimation of silicon carbide to produce large, device quality single crystals of silicon carbide. 4,866,005, 9-12-89, Cl. 437-100.000.

Davis, Robert F.: *See—*
Bragaw, Chester G., Jr.; Concannon, Thomas P.; and Davis, Robert F., 4,877,683, Cl. 428-421.000.

Davis, Robert G.: *See—*
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Davis, Robert H.: *See—*
Cardis, Angeline B.; Davis, Robert H.; and Piotrowski, Alfred B., 4,846,984, Cl. 252-47.500.

Davis, Robert J. Wheel chair restraint. 4,826,193, 5-2-89, Cl. 280-304.100.

Davis, Robert J., to Ferodo, Inc. Stairtread facings and a co-extrusion method for their manufacture. 4,840,824, 6-20-89, Cl. 428-67.000.

Davis, Robert L., to Ethyl Corporation. Decontamination of (hydrocarbylthio) aromatic amines. 4,825,002, 4-25-89, Cl. 564-438.000.

Davis, Roman: *See—*
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Davis, Ronald I.: *See—*
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Davis, Ronald P., to Interlock Industries Limited. Closure latch. 4,826,222, 5-2-89, Cl. 292-241.000.

Davis, Roxanne: *See—*
Romaine, C. Peter; Nelsen, Charles E.; and Davis, Roxanne, 4,803,800, Cl. 47-1.100.

Davis, Roy I.; and Patil, Prabhakar B. Computer controllable synchronous shifting of an automatic transmission. 4,855,914, 8-8-89, Cl. 364-424.100.

Davis, Russell D.: *See—*
Davis, Dennis W.; and Davis, Russell D., 4,799,687, Cl. 273-312.000.

Davis, Russell G. Hoop for stretching animal pelts. 4,811,576, 3-14-89, Cl. 69-19.300.
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Davis, Scott B.: *See*—
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Davis, Scott J.; Warfield, Wayne N.; and Booth, William M., III, to Stryker Corporation. Process and apparatus for measurement and monitoring of muscle compartment pressure. 4,817,629, 4-4-89, Cl. 128-748.000.
Davis, Shannon: *See*—
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Davis, Stanley S.; and Wotton, David E. M., to I.S.C. Chemicals Limited. Emulsions of perfluorocarbons in aqueous media. 4,859,363, 8-22-89, Cl. 252-312.000.
Davis, Stephen J., to Prince Manufacturing, Inc. Tennis racquet with double throat bridge. 4,828,259, 5-9-89, Cl. 273-73.00C.
Davis, Stephen J.: *See*—
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Davis, Steven D.: *See*—
Lane, William A., Jr.; and Davis, Steven D., 4,795,271, Cl. 383-104.000.
Davis, Steven S., to Envirotech Corporation. Apparatus for shifting filter plates in a filter press. 4,806,239, 2-21-89, Cl. 210-225.000.
Davis, Steven S., to Baker Hughes, Incorporated. Apparatus for shifting and washing filter plates in a filter press. 4,882,049, 11-21-89, Cl. 210-225.000.
Davis, Sydney: *See*—
Malakhoff, Alexander; and Davis, Sydney, 4,798,085, Cl. 73-148.000.
Davis, Terrence A.: *See*—
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Davis, Theodore: *See*—
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Brandes, Karlheinz K.; Kukes, Simon G.; and Davis, Thomas, 4,831,004, Cl. 502-220.000.
Kukes, Simon G.; Davis, Thomas; and Brandes, Karlheinz K., 4,814,315, Cl. 502-200.000.
Davis, Thomas A.; and Butterworth, Donald J., to Graver Company, The. Method and apparatus for generating acid and base regenerants and the use thereof to regenerate ion-exchange resins. 4,880,513, 11-14-89, Cl. 204-182.300.
Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., to Dow Chemical Company, The. Semi-permeable membranes prepared via reaction of cationic groups with nucleophilic groups. 4,797,187, 1-10-89, Cl. 204-180.200.
Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., to Dow Chemical Company, The. Semi-permeable membranes prepared via reaction of cationic groups with nucleophilic groups. 4,839,203, 6-13-89, Cl. 427-244.000.
Davis, Thomas E., to Vesuron, Inc. Ceramic brick. 4,881,348, 11-21-89, Cl. 52-127.700.
Davis, Thomas J. Counterbalancing torsion spring mechanism for devices which move up and down and method of setting the torsion springs thereof. 4,882,806, 11-28-89, Cl. 16-198.000.
Davis, Thomas L.; and Harper, Roy A., Jr., to Arrow Specialty Company. Engine breather assembly with oil drain back. 4,886,019, 12-12-89, Cl. 123-41.860.
Davis, Thomas L.: *See*—
Perry, Joseph W.; Uhl, Jonathan T.; Davis, Thomas L.; and Potts, David E., 4,846,114, Cl. 123-520.000.
Davis, Thomas O., Jr. Article using shape-memory alloy to improve and/or control the speed of recovery. 4,839,479, 6-13-89, Cl. 200-61.45R.
Davis, Virgil L.: *See*—
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Davis, Walter L.; and Parikh, Dakshesh D., to Motorola, Inc. Paging system using LPC speech encoding with an adaptive bit rate. 4,811,376, 3-7-89, Cl. 379-57.000.
Davis, Walter L., to Motorola, Inc. Radio communication receiver with apparatus for altering bit rate of the receiver. 4,816,820, 3-28-89, Cl. 340-825.440.
Davis, Walter L.; and Raghunathan, Kuppuswamy, to Motorola, Inc. Paging device with modifiable operational characteristics. 4,829,466, 5-9-89, Cl. 364-900.000.
Davis, Walter L.; Rivas, Mario A.; Burch, Kenneth R.; and Deems, Vincent B., to Motorola, Inc. Paging receiver having selectively protected regions of memory. 4,839,628, 6-13-89, Cl. 340-311.100.
Davis, Walter L., to Motorola, Inc. Digital selective calling receiver having a selectively attachable device for multiple independent address decoding capability. 4,860,004, 8-22-89, Cl. 340-825.440.
Davis, Walter L., to Motorola, Inc. Method of reprogramming an ide pattern. 4,868,561, 9-19-89, Cl. 340-825.440.
Davis, Walter L.: *See*—
Macnak, Philip P.; Irwin, James S.; and Davis, Walter L., 4,882,5 Cl. 455-193.000.
Davis, Walter W. Brassiere shoulder strap bearing pad. 4,795,36 1-3-89, Cl. 450-86.000.
Davis Water & Waste Industries, Inc.: *See*—
Pauwels, Julian R., 4,859,330, Cl. 210-264.000.
Davis, Wayne S., to AMP Incorporated. Connector with removable latch block and removable latch block therefor. 4,842,542, 6-27-8 Cl. 439-357.000.
Davis, Wayne S., to AMP Incorporated. Contact protection system for electrical connectors. 4,842,543, 6-27-89, Cl. 439-378.000.
Davis, Wesley; and Gasperi, Michael L., to Allen-Bradley Company, Inc. Machine vision system with illumination variation compensation. 4,855,830, 8-8-89, Cl. 358-168.000.
Davis, William A.; and Ballard, Lannis P., to Speedfeed, Inc. Gun stock incorporating magazine. 4,850,127, 7-25-89, Cl. 42-71.010.
Davis, William H.: *See*—
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Davis, William M., to United Pharmaceuticals. Anti-spasmodic agent having a heterocyclic ring. 4,857,535, 8-15-89, Cl. 514-317.000.
Davison, Alan: *See*—
Jones, Alun G.; Davison, Alan; and Abrams, Michael J., 4,826,9 Cl. 534-14.000.
Jones, Alun G.; Davison, Alan; Kronauge, James; and Abrams, Michael J., 4,872,561, Cl. 206-569.000.
Davison, Andrew J.: *See*—
Ellis, Ronald W.; Keller, Paul M.; Lowe, Robert S.; and Davison, Andrew J., 4,812,559, Cl. 536-27.000.
Davison, Derek G.; and Pover, Gordon T., to Derek George Davison. Scaffolding systems and clamping devices therefor. 4,883,1 11-28-89, Cl. 182-179.000.
Davison, Edward; and Wells, James I., to Pfizer Inc. Pharmaceutically acceptable salts. 4,879,303, 11-7-89, Cl. 514-356.000.
Davison, Ellison L.: *See*—
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Davison, Jerom G.; and Hollingshead, Gerald E. Dynamically balanced exhaust pipe cap. 4,821,629, 4-18-89, Cl. 98-59.000.
Davison, John B.: *See*—
Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,828,660, Cl. 204-82.000.
Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,855,023, Cl. 204-130.000.
Davison, John F.: *See*—
Gradeff, Peter S.; and Davison, John F., 4,836,830, Cl. 44-57.00.
Gradeff, Peter S.; and Davison, John F., 4,889,771, Cl. 428-341.00.
Davison, Kent E.; and Rickert, Ervin M., to Dana Corporation. Low grade material axle shaft. 4,820,357, 4-11-89, Cl. 148-12.400.
Davison, Peter E.: *See*—
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Davison, Steven W.; and McLeod, William D., to Richards Medical Company. Orthopedic prosthesis to aid and support the shoulder muscles in movement of the human arm. 4,862,878, 9-5-89, C 128-77.000.
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Davison, Wayne: *See*—
Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hilheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, C 380-23.000.
Davisson, Paul D., to Nelson Irrigation Corporation. Sprinkler having a flow rate compensating slow speed rotary distributor. 4,796,8 1-10-89, Cl. 239-222.170.
d'Avitaya, Francois A.; and Campidelli, Yves, to Centre National d'Etudes des Telecommunications. Process for the deposition by epitaxy of a doped material. 4,847,216, 7-11-89, Cl. 437-105.000.
Davitz, Daniel. Copper-free gold alloy composition. 4,865,809, 9-12-8 Cl. 420-580.000.
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Davy McKee Aktiengesellschaft: *See*—
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Davy McKee (Poole) Limited: *See*—
Grocock, Peter G.; and Round, Philip F., 4,813,259, Cl. 72-245.000.
Davy McKee (Sheffield) Limited: *See*—
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Davy McKee (Stockton) Limited: *See*—
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Davydov, Anatoly B.: *See*—
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Babaian, Eduard A.; Gerasimova, Galina A.; Davydov, Anatoly B.; Utyamyshev, Rustam I.; Khromov, Gennady L.; Metelitsa, Vladimir I.; Vikhert, Anatoly M.; Savvateev, Konstantin L.; Piotrovsky, Vladimir K.; and Novikova, Elizaveta B., 4,842,854, Cl. 424-8.100.
Belykh, Sergei I.; Davydov, Anatoly B.; Moschensky, Anatoly D.; Kamshin, Nikolai N.; Kovalenko, Igor L.; Kirillov, Jury B.; Osipov, Gennady I.; and Utyamyshev, Rustam I., 4,875,479, Cl. 128-335.500.
Daw, Jesse M.; and Daw, Laraine B. Attic stair insulating cover. 4,832,153, 5-23-89, Cl. 182-46.000.
Daw, Laraine B.: *See*—
Daw, Jesse M.; and Daw, Laraine B., 4,832,153, Cl. 182-46.000.
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Dawes, Ronald G.; Hilton, Geoffrey T.; Marshall, Anthony W.; and Bullivant, Derek, to British Telecommunications Public Limited Company. Heat sink. 4,802,532, 2-7-89, Cl. 165-80.300.
Dawes, Steven B.: *See*—
Chyung, Kenneth; Dawes, Steven B.; Gadkaree, Kishor P.; Morena, Robert M.; and Taylor, Mark P., 4,808,460, Cl. 428-116.000.
Dawitzon, Daniel. Orthopedic seat and backrest combination. 4,887,865, 12-19-89, Cl. 297-382.000.
Dawless, Robert K., to Aluminum Company of America. Silicon purification method using copper or copper-aluminum solvent metal. 4,822,585, 4-18-89, Cl. 423-348.000.
Dawley, Paul S.; and Dawley, Sally. Weeding and furrowing hoe. 4,865,133, 9-12-89, Cl. 172-383.000.
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Dawson, Andrew J., Jr.; Farrar, John C.; Pirc, Douglas J.; and Taylor, Atalee S., to AMP Incorporated. Filtered cable harness connector assembly. 4,880,397, 11-14-89, Cl. 439-620.000.
Dawson, Brian A. Epoxy applicator for corners. 4,830,594, 5-16-89, Cl. 425-87.000.
Dawson, Bruce K.: *See*—
Thorogood, Robert M.; Bennett, Douglas L.; Allam, Rodney J.; Prentice, Alan L.; and Dawson, Bruce K., 4,871,382, Cl. 62-18.000.
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Dawson, Dennis W.: *See*—
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Dawson, Geoffrey G.; and Williams, Michael K., to Procter & Gamble Company, The. Toilet soap bar compositions containing water soluble polymers. 4,874,538, 10-17-89, Cl. 252-117.000.
Dawson, John A.: *See*—
Strong, David S.; and Dawson, John A., 4,871,627, Cl. 429-27.000.
Dawson, John F.; Thompson, Eldon J.; and Cousens, James A., to Honeywell Inc. Digital map system. 4,876,651, 10-24-89, Cl. 364-449.000.
Dawson, John F.; Bednarski, Joseph W.; Stoffer, Marie A.; and Cousens, James A., to Honeywell Inc. Address generator with variable scan patterns. 4,884,220, 11-28-89, Cl. 364-521.000.
Dawson, Marisa. Clothing adaptor for early term pregnancy. 4,803,740, 2-14-89, Cl. 2-215.000.
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Day, Bobby L., to Brown, Boveri Reaktor, GmbH. Method and apparatus for assisting the process of loading a reactor core with elongated fuel elements. 4,826,651, 5-2-89, Cl. 376-264.000.
Day, Carol A.; and Holton, Brian W., to Microbial Developments Limited. Process for retarding bacterial growth in silage. 4,851,240, 7-25-89, Cl. 426-53.000.
Day, Charles E.; and Kuhrts, Eric H., to Hauser-Kuhrts, Inc. Method and composition for reducing serum cholesterol. 4,824,672, 4-25-89, Cl. 424-195.100.
Day, Charles E.; and Kuhrts, Eric H., to Hauser-Kuhrts, Inc. Method and composition for reducing serum cholesterol. 4,883,788, 11-28-89, Cl. 514-57.000.
Day, Christopher C., to MKS Instruments, Inc. Flow controller. 4,877,051, 10-31-89, Cl. 137-486.000.
Day, Constance J. Magnetic educational aid and teaching method. 4,846,689, 7-11-89, Cl. 434-168.000.
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Hua, Chang-Hwang; Day, Ding-Yuan S.; and Chan, Simon S., 4,842,699, Cl. 204-15.000.
Day, Donal F.; and Koenig, David W., to Louisana State University and Agricultural and Mechanical College. Method of producing dextranase. 4,820,640, 4-11-89, Cl. 435-211.000.
Day, Eric; and Field, John H., II, to AIL Corporation. Stepper motor control for fuel injection. 4,831,983, 5-23-89, Cl. 123-357.000.
Day, Eric; Aubin, Jean Paul; and Peyrot, Jan, to AIL Corporation. Timing and speed sensor for fuel injection pump. 4,879,985, 11-14-89, Cl. 123-501.000.
Day, Gene F., to Precision Image Corporation. Liquid toner recycling system and method. 4,799,452, 1-24-89, Cl. 118-645.000.
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Day, George B., V; Wells, Larry G.; Smith, Timothy D.; and Ross, Ira J., to University of Kentucky Research Foundation. Apparatus and method for automated tobacco harvesting. 4,813,216, 3-21-89, Cl. 56-27.500.
Day, Gerald G., to Coca-Cola Company, The. Mobile extra display module. 4,865,202, 9-12-89, Cl. 206-597.000.
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Day, James L., to James L. Day Co., Inc. Air flow metering terminal and control system. 4,873,873, 10-17-89, Cl. 73-861.630.
Day, James R.; and Lemaster, Milton R., to Airsystems Inc. Oscillating form roller and apparatus and method for controlling the oscillation thereof. 4,809,606, 3-7-89, Cl. 101-148.000.
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Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., 4,888,013, Cl. 623-6.000.
Day, Joel, to Capitol Hardware Mfg. Co., Inc. Hangrod system. 4,828,122, 5-9-89, Cl. 211-105.100.
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Day, Michael N., to International Business Machines Corporation. System for reducing processor power consumption by stopping processor clock supply if a desired event does not occur. 4,851,987, 7-25-89, Cl. 364-200.000.
Day, Richard A.; and Wallace, John, to University of Cincinnati. Application of 4-[1-oxoalkyl]-2,5-oxazolidinediones in selective stereospecific formation of biologically active α-lactams. 4,855,419, 8-8-89, Cl. 540-215.000.
Day, Robert A., to United States of America, Energy. Annular array and method of manufacturing same. 4,888,861, 12-26-89, Cl. 29-25.350.
Day, Robert L. Metal frame system. 4,819,392, 4-11-89, Cl. 52-211.000.
Day, Robert L., to Sabir Locks, Inc. Door security bracket. 4,869,087, 9-26-89, Cl. 70-417.000.
Day, Roger A., to British Aerospace Public Limited Company. Device for closing and opening in the leading edge of a wing. 4,880,189, 11-14-89, Cl. 244-214.000.
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Day, Roger W.; and Morgan, Michael J., to Olin Corporation. Optical and electrical switching devices and a polymer composition containing pendant organic charge transfer salt moieties useful in switching devices. 4,806,995, 2-21-89, Cl. 357-8.000.
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Day, San-Tong. Automatic single push button type umbrella. 4,823,821, 4-25-89, Cl. 135-24.000.
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Miranti, Joseph P., Jr., 4,884,998, Cl. 474-205.000.
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Dayen, Leonid; and Raines, Charles D., to Horton Manufacturing Co., Inc. End pivot webguide. 4,826,064, 5-2-89, Cl. 226-21.000.
Dayen, Leonid, to Horton Manufacturing Co., Inc. Device for enhancing cooling. 4,846,315, 7-11-89, Cl. 188-264.00A.
Dayen, Leonid; and Raines, Charles D., to Horton Manufacturing Co., Inc. Brake. 4,872,535, 10-10-89, Cl. 188-170.000.
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Dayton, David R.; Bucher, Lloyd K.; and Buck, Richard M., to Nort American Philips Corporation. Automotive lamp having an insula ing base. 4,864,185, 9-5-89, Cl. 313-318.000.
Dayton, Douglas C.; Bergeron, Richard; and Shriner, Donald R., t Wang Laboratories, Inc. Portable communication terminal for remote database query. 4,799,254, 1-17-89, Cl. 379-97.000.
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De Ark B.V.: *See—*
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De, Bibhas R.; and Keech, Dorothy A., to Chevron Research Company. Method and apparatus for interface location determination 4,831,331, 5-16-89, Cl. 324-338.000.
De, Bibhas R., to Chevron Research Company. Sample accommodator and method for the measurement of dielectric properties. 4,866,37 9-12-89, Cl. 324-58.50R.
de Brouwer, Rene E. R.: *See—*
de Brouwer-Elzenbroek, Grada; de Brouwer, Franciscus J. G. H. de Brouwer, Rene E. R.; and de Brouwer, Monique Y. M. 4,887,444, Cl. 70-233.000.
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De Erven De Weduwe J. Van Nelle B.V.: *See—*
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de Fontenay: Etienne; and Parisot, Patrick, to S.A. dite: Caoutchouc Manufacture et Plastiques. Elastic mounting with rigidity blocked in one direction by the tension of a cable embedded in elastomer 4,854,562, 8-8-89, Cl. 267-292.000.
De Forenede Bryggeier A/S: *See—*
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Hosking, Steven M.; and Calverley, Simon G., 4,867,431, C 271-3.000.
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Martin, Harvey G.; Pilling, Roger; and Hosking, Steven M. 4,854,570, Cl. 271-162.000.

Simpson-Davis, Raymon W.; and Bennett, Allan, 4,800,260, Cl. 235-487.000.
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De La Proise, Marc; Tanguy, Christian; and Kervagoret, Gilbert, to Bendix France. Hydraulic circuit for a motor vehicle. 4,886,321, 12-12-89, Cl. 303-92.000.
de La Chapelle, Michael; Hsu, Hui-Pin; Lewis, Gib F.; and Mantele, John E., to Hughes Aircraft Company. Fiber-optic feed network using series/parallel connected light emitting opto-electronic components. 4,832,433, 5-23-89, Cl. 350-96.150.
de la Cruz, Juan: *See—*
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De La Cuadra Herrera, Antonio: *See—*
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de la Fonteijne, Marcel R., to B.V. Optische Industrie 'De Oude Delft'. Elongated X-ray detector tube. 4,861,977, 8-29-89, Cl. 250-213.0VT.
de la Pena, Federico D.: *See—*
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De La Veaux, Stephan C.: *See—*
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De Abreu, Alfredo F., to Mida-Maquinas Industriais do Ave, Lda. Planing tool for a woodworking machine. 4,830,073, 5-16-89, Cl. 144-221.000.
De Abreu, Alfredo F., to Mida-Maquinas Industriais do Ave, Lda. Woodworking machine. 4,842,029, 6-27-89, Cl. 144-117.00R.
Deacon, Jim, to University of Utah. Inflatable, intraocular lens and method of implanting the lens in the capsule of an eye. 4,822,360, 4-18-89, Cl. 623-6.000.
Deacon, Malcolm J., to Marconi Company Limited, The. Impedance matching arrangement. 4,799,066, 1-17-89, Cl. 343-861.000.
de Agudelo, M. M. Ramirez; and Galarraga, C. E., to Intevep, S.A. Catalyst for the simultaneous hydrodemetallization and hydroconversion of heavy hydrocarbon feedstocks. 4,832,829, 5-23-89, Cl. 208-251.00R.
Deak, Gedeon I., to Du Pont de Nemours, E. I., and Company. Multilayer plastic container. 4,800,129, 1-24-89, Cl. 428-474.400.
Deakin, David. Method for joining plastic components. 4,813,590, 3-21-89, Cl. 228-120.000.
Deakins, Martin E.; Slutz, David E.; Johnson, Neil R.; Clark, Thomas J.; and Bovenkerk, Harold P., to General Electric Company. Saw-blade segments utilizing polycrystalline diamond grit. 4,883,500, 11-28-89, Cl. 51-298.000.
Deal, Clifton R. Baseball pitching practice devices. 4,872,674, 10-10-89, Cl. 273-26.00A.
Deal, Douglas O., to Rexnord Corporation. Table top chain link with rib. 4,880,107, 11-14-89, Cl. 198-779.000.
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Deal, Joseph H., to TIW Systems, Inc. TDMA terminal controller. 4,888,769, 12-19-89, Cl. 370-50.000.
Deal, Philip A., to R. J. Reynolds Tobacco Company. Variable air dilution cigarette filters. 4,809,718, 3-7-89, Cl. 131-336.000.
Deal, Samuel B.; Bartch, Donald W.; and Poff, Wayne R., to RCA Licensing Corporation. Method for selectively etching integral cathode substrate and support utilizing increased etchant turbulence. 4,849,066, 7-18-89, Cl. 156-640.000.
Deal, Samuel B.; and Bartch, Donald W., to RCA Licensing Corp. Color cathode-ray tube having a heat dissipative, electron reflective coating on a color selection electrode. 4,884,004, 11-28-89, Cl. 313-402.000.
Deal, Troy M. Apparatus for the dewatering of phosphate slimes. 4,808,304, 2-28-89, Cl. 210-170.000.
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De Alessi, Renato; and Garau, Enrico, to D.E.A. Digital Electronic Automation S.p.A. Air cushion shoe. 4,844,194, 7-4-89, Cl. 180-125.000.
De Alessi, Renato: *See—*
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Farrell, Nicholas; Hacker, Miles P.; McCormack, John J.; and DeAlmeida, Sergio G., 4,871,729, Cl. 514-188.000.
de Alvare, Louis R.: *See—*
Sappok, Reinhard J.; de Alvare, Louis R.; and Spence, Floyd G., 4,824,610, Cl. 260-391.000.
Dealy, John M.; Charrier, Jean-Michael; and Doshi, Shailesh, to Canadian Patents and Development Limited. Method of manufacturing discrete fiber reinforced, plastic tube and apparatus therefor. 4,883,622, 11-28-89, Cl. 264-108.000.
De Ambrosi, Luigi: *See—*
Del Bono, Rinaldo; De Ambrosi, Luigi; Ferrari, Gianni; Rugarli, Pier L.; and Pagella, Pier G., 4,870,166, Cl. 536-21.000.
Deambrosio, Carlos; and Morris, James M., to Electrovert Limited. Solder wave nozzle construction. 4,886,201, 12-12-89, Cl. 228-37.000.
Deambrosio, Carlos A., to Electrovert Limited. Restriction of dross formation in a soldering apparatus. 4,802,617, 2-7-89, Cl. 228-180.100.
Deambrosio, Carlos A.: *See—*
Chartrand, Raymond J.; and Deambrosio, Carlos A., 4,796,558, Cl. 118-74.000.
Deamer, David W.: *See—*
Deamer, Richard M.; and Deamer, David W., 4,829,989, Cl. 128-78.000.
Deamer, Richard M.; and Deamer, David W. Stoop laborer's body support having hinge with adjustable spring biasing. 4,829,989, 5-16-89, Cl. 128-78.000.
De Amorim, Lionel, to Alcate Cit. Active base for an optical connector. 4,836,635, 6-6-89, Cl. 350-96.200.
Dean, Alan J.; and Hopper, Hans P., to British Petroleum Company p.l.c., The. Sea bed process complex. 4,848,475, 7-18-89, Cl. 166-357.000.
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Dean, Barry D., to ARCO Chemical Technology, Inc. Thermoplastic interpolymers of methyl methacrylate, N-substituted maleimides, and alkyl acrylates. 4,826,937, 5-2-89, Cl. 526-262.000.
Dean, Barry D., to Arco Chemical Technology, Inc. Elastomer grafted with polymer matrix and method. 4,845,155, 7-4-89, Cl. 525-245.000.
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Dean, Consuelo M. Cannular instrument and method for inserting a cannular instrument into a vein. 4,808,156, 2-28-89, Cl. 604-43.000.
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Dean, Doyle E., to Neverwear Corporation. Topcoat composition and method. 4,851,456, 7-25-89, Cl. 523-122.000.
Dean, Malcolm; and Withers, Kenneth I., to Massey-Ferguson Services N.V. Seed drill. 4,811,795, 3-14-89, Cl. 172-456.000.
Dean, Michael J. Method and apparatus for bending rotor vanes. 4,845,992, 7-11-89, Cl. 72-7.000.
Dean, Raymond S.: *See—*
Barabino, William A.; and Dean, Raymond S., 4,799,815, Cl. 401-132.000.
Dean, Richard T.; Lin, Youlin; Weber, Robert W.; and White, David H., to Mallinckrodt, Inc. Methods and compositions for enhancing magnetic resonance imaging. 4,826,673, 5-2-89, Cl. 424-9.000.
Dean, Richard T.: *See—*
Nicolotti, Robert A.; and Dean, Richard T., 4,861,869, Cl. 530-402.000.
Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; and Runstadler, Peter W., Jr., to Verax Corporation. Weighted collagen microsponge for immobilizing bioactive material 4,861,714, 8-29-89, Cl. 435-68.000.
Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; Runstadler, Peter W., Jr.; and Maffia, Gennaro J., to Verax Corporation. Weighted collagen microsponge for immobilizing bioactive materials. 4,863,856, 9-5-89, Cl. 435-68.000.
Dean, Terence C.: *See—*
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Dean, Thomas E.; Henrich, William H.; Fischer, David M.; Stratton, Lawrence J.; and Pietsch, Herbert E., to Thomas Industries Inc. High frequency ballast for gaseous discharge lamps. 4,873,471, 10-10-89, Cl. 315-308.000.
Dean, Thomas R., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,844,727, 7-4-89, Cl. 71-91.000.
Dean, Tracy C., to Agnew, Paul. Uniform garment. 4,860,388, 8-29-89, Cl. 2-247.000.
Dean, Walter C., II, to Moore Business Forms, Inc. Transfer corona shield. 4,823,152, 4-18-89, Cl. 346-160.100.
Dean, Walter C., II, to Moore Business Forms, Inc. Cleaning system for non-impact printer. 4,823,153, 4-18-89, Cl. 346-160.100.
Dean, Walter C., II; and Kegelman, Thomas D., to Moore Business Forms, Inc. Conditioning apparatus for non-impact, direct charge electrographic printer belt. 4,827,295, 5-2-89, Cl. 346-160.100.

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Dean, Walter C., II; Coburn, Richard J.; and Kegelman, Thomas D., to Moore Business Forms, Inc. Belt and belt support for non-impact, direct charge electrographic printer. 4,831,393, 5-16-89, Cl. 346-160.100.

Dean, Walter L.; Moore, Danny R.; Owens, James W.; and Schoggen, Howard L., to Procter & Gamble Cellulose Company, The. Absorbent structure containing individualized, crosslinked fibers. 4,822,453, 4-18-89, Cl. 162-157.600.

Dean, Walter L.; Moore, Danny R.; Owens, James W.; Schoggen, Howard L.; Bourbon, Robert M.; and Cook, Jeffrey T., to Procter & Gamble Cellulose Company, The. Individualized crosslinked fibers and process for making said fibers. 4,888,093, 12-19-89, Cl. 162-157.600.

Dean, Walter L.: *See—*

Herron, Carlisle M.; Dean, Walter L.; Moore, Danny R.; Owens, James W.; and Schoggen, Howard L., 4,889,595, Cl. 162-157.600.

Dean, William G.: *See—*

Owen, James W.; and Dean, William G., 4,821,914, Cl. 220-421.000.

de Andrade Bruning, Inai M. R., to Petroleo Brasileiro S.A. - Petrobras. Process for determining the polarity of a crude oil. 4,889,813, 12-26-89, Cl. 436-60.000.

Deane, Donald: *See—*

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Deane, Donald L., to GenCorp Inc. Elastomeric hanger structure. 4,817,909, 4-4-89, Cl. 248-610.000.

Deane, Edwin R. I.: *See—*

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Deane, John D.; and Schumacher, Percy W., to Reed Tool Company. Drag drill bit having improved flow of drilling fluid. 4,794,994, 1-3-89, Cl. 175-329.000.

Deane, John D.; and Pastusek, Paul E., to Reed Tool Company. Drill bit having offset roller cutters and improved nozzles. 4,848,476, 7-18-89, Cl. 175-340.000.

Deane, John D., to Reed Tool Company. Drag drill bit having improved arrangement of cutting elements. 4,848,489, 7-18-89, Cl. 175-329.000.

Deane, Peter, to Xicor, Inc. Low power voltage clamp circuit. 4,874,967, 10-17-89, Cl. 307-296.800.

Deane, Peter, to Xicor, Inc. Low power dual-mode CMOS bias voltage generator. 4,883,976, 11-28-89, Cl. 307-291.200.

De Angelis, Pedro C.; and Dragicevic, Nedo D. L., to Darko Jorge Lazaneo Dragicevic. Electro-thermic resonance system for heating liquid. 4,814,567, 3-21-89, Cl. 219-10.510.

DeAngelis, Thomas P., to Corning Incorporated. Reaction sintered boride-oxide-silicon nitride for ceramic cutting tools. 4,876,227, 10-24-89, Cl. 501-97.000.

DeAngelis, Thomas P.; Lachman, Irwin M.; and Wusirika, Raja R., to Corning Incorporated. Catalyst-agglomerate bodies encapsulated in a structure and method for their production. 4,888,317, 12-19-89, Cl. 502-60.000.

Deans, John R.: *See—*

Dixon, Brian G.; Deans, John R.; and Jenney, Leah B., 4,834,772, Cl. 29-623.500.

Dear, Terrence A.; Ingard, Karl U.; and Scheinberg, Stephen P., to Du Pont de Nemours, E. I., and Company. Sound reduction membrane. 4,832,147, 5-23-89, Cl. 181-30.000.

de Araujo, Carlos P.: *See—*

Lyndon-James, Ross; Gnadinger, Alfred P.; Black, Donald L.; and de Araujo, Carlos P., 4,800,543, Cl. 368-10.000.

Dearborn Chemical Company, Limited: *See—*

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DeArdo, Anthony J., Jr.; Garcia, Calixto I.; and Ratz, George A. Method of pouring steel. 4,813,580, 3-21-89, Cl. 222-590.000.

Deardorff, Tim. Tablet dispenser. 4,844,295, 7-4-89, Cl. 221-263.000.

Dearien, John A., Jr. Continuous paper feeder and collector. 4,828,118, 5-9-89, Cl. 211-50.000.

Dearing, David G., to Dresser Industries, Inc. Well packer brake. 4,838,348, 6-13-89, Cl. 166-136.000.

Dearnaley, Geoffrey; Hughes, Antony E.; and Rosenbaum, Steven, to Millspin Limited. Ion beam dosimetry. 4,831,271, 5-16-89, Cl. 250-492.200.

Dearwester, Donald D., to Procter & Gamble Company, The. Compact, core-wound paper product. 4,886,167, 12-12-89, Cl. 206-389.000.

Deason, James R.; Stealey, Michael A.; and Weier, Richard M., to G. D. Searle & Co. Leukotriene LTD_4 and LTB_4 antagonists. 4,808,729, 2-28-89, Cl. 549-30.000.

Deason, James R.: *See—*

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Deason, Vance A.; and Ward, Michael B., to United States of America, Energy. Compact portable diffraction moire interferometer. 4,850,693, 7-25-89, Cl. 356-35.500.

Deasy, Patrick B., to Hoechst Aktiengesellschaft. Multi-component long-acting medicament formulation for implantation. 4,874,612, 10-17-89, Cl. 424-425.000.

Deatcher, John H.: *See—*

Estes, William E.; Deatcher, John H.; and Whitwell, George E., 4,801,507, Cl. 428-450.000.

De'Ath, Roderick M., to MB Group plc. Apparatus for injection moulding. 4,881,884, 11-21-89, Cl. 425-117.000.

Deaton, Hubert, to Schnabel Foundation Company. Earth retaining method and structure with improved corrosion protection and drainage. 4,836,718, 6-6-89, Cl. 405-262.000.

Deaton, Thomas M.; and Perkins, Donald H., to Otis Engineering Corporation. Solenoid operated safety valve and submersible pump system. 4,798,247, 1-17-89, Cl. 166-373.000.

Deaton, Thomas M.: *See—*

Perkins, Donald H.; Deaton, Thomas M.; and Sizer, Philip S., 4,886,114, Cl. 166-65.100.

Deaton, Thomas P.; and Ficker, Paul J., to Buckhorn Material Handling Group, Inc. Stacking arrangement for containers. 4,832,200, 5-23-89, Cl. 206-508.000.

Deavenport, Dennis L.: *See—*

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Deaver, Dann T.; and Nichols, Aris G. Aerodynamic spoiler for a pickup truck and a method for providing a generally common construction for a variety of pickup trucks. 4,863,213, 9-5-89, Cl. 296-180.100.

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Deb, Anup K., to Westinghouse Electric Corp. Undervoltage trip device. 4,864,262, 9-5-89, Cl. 335-20.000.

De Baan, Jacob; and Uittenbogaard, Marinus, to Bluewater Terminal Systems N.V. Device for mooring a floating body, for example a ship, to a body anchored to the seabed, for example a mooring tower. 4,838,823, 6-13-89, Cl. 441-3.000.

Debaes, Johny, to N.V. Michel Van De Wiele. Process and apparatus for guiding the weft threads in weaving looms. 4,875,507, 10-24-89, Cl. 139-450.000.

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DeBarea, Frank J., Sr. Roll forming apparatus. 4,821,550, 4-18-89, Cl. 72-181.000.

De Bastiani, Giovanni; Faccioli, Giovanni; Aldegheri, Roberto; and Renzi Brivio, Lodovico, to Orthofix S.r.l. Self-gradually locking chuck. 4,828,277, 5-9-89, Cl. 279-1.0SG.

de Baynast de Septfontaines, Regis J. M. P.; Brouard, Francois E. M. E.; Baret, Jean-Luc A. G.; Gicquiaux, Yvon G. A. J. M.; and Olsen, Hans S., to Sucre Recherches et Developpements; and Novo Industri A/S. Process for the liquefaction of beets and chicory roots by enzymatic hydrolysis and liquid hydrolysate obtained. 4,886,672, 12-12-89, Cl. 426-48.000.

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Arroyo, Candido J.; Debban, Harold P., Jr.; and Paucke, Walter J., 4,815,813, Cl. 350-96.230.

Debbaut, Christian A. M., to Raychem Corporation. Electrical connector and method of splicing wires. 4,864,725, 9-12-89, Cl. 29-871.000.

Debe, Mark K., to Minnesota Mining and Manufacturing Company. Article having surface layer of uniformly oriented, crystalline, organic microstructures. 4,812,352, 3-14-89, Cl. 428-142.000.

de Belaunde, Alfredo. Pressurized water cistern with floating valve. 4,858,251, 8-22-89, Cl. 4-358.000.

de Belder, Anthony N.; Ahrgren, Leif G.; and Malson, Tomas, to Pharmacia AB. Method for preparation of sulfated polysaccharide by treating the polysaccharide with a reducing agent before sulfation. 4,814,437, 3-21-89, Cl. 536-18.700.

de Belder, Anthony N.; and Malson, Tomas, to Pharmacia AB. Method of preventing adhesion between body tissues, means for preventing such adhesion, and process for producing said means. 4,886,7 12-12-89, Cl. 514-57.000.

DeBell, Gary W.; Wright, David L.; Ruddock, Kenneth A.; Petersen, Alan B.; Carlson, Lee R.; and Von Gunten, Marc K., to Spectra-Physics, Inc. Optical component of a laser. 4,809,293, 2-28-89, Cl. 372-98.000.

DeBell, Lawrence R., to Phi Technologies, Inc. Digital audio memory system. 4,813,014, 3-14-89, Cl. 365-45.000.

DeBenedictis, Erik P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of overlaying virtual tree networks onto a message passing parallel processing network. 4,845,744, 7-4-89, Cl. 379-221.000.

DeBernardi, Carlo; and Modone, Eros, to Centro Studi e Laboratori Telecomunicazioni Spa. Method of fabricating optical waveguides for the midinfrared portion of the spectrum. 4,820,323, 4-11-89, Cl. 65-3.120.

De Bernardi, Franco, to Duplomatic S.p.A. Revolving turret particularly for lathe machining centers. 4,799,410, 1-24-89, Cl. 82-36.00A.

De Bernardi, Stefano, to Bausano & Figli S.p.A. High torque drive means for two very close shafts which are also subjected to strong axial thrusts and application thereof to a double screw extruder. 4,796,487, 1-10-89, Cl. 74-665.0GA.

De Bernardini, Carlo. Hand fire-arm for shooting without ammunition. 4,811,955, 3-14-89, Cl. 273-310.000.

Debesis, John R., to Eastman Kodak Company. Holographic scanner spinner. 4,840,443, 6-20-89, Cl. 350-3.710.

Debetencourt, Jean, to Lynes Holding S.A. Pourer plug for a receptacle. 4,884,705, 12-5-89, Cl. 215-250.000.

DeBettignies, Jean. Biomechanically adapted custom footwear. 4,868,945, 9-26-89, Cl. 12-142.00N.

DeBin, Rene F., to FMC Corporation. Bag making machine. 4,798,5 1-17-89, Cl. 493-196.000.

DeBin, Rene F.; and Van Der Gucht, William, to FMC Corporation. Zero cycle interrupt wicket stacker. 4,850,781, 7-25-89, Cl. 414-27.000.

Debiopharm S.A.: *See—*

Tice, Thomas R.; Orsolini, Piero; and Schally, Andrew V., 4,835,139, Cl. 514-15.000.

Washer, Bernard; and Brunner, Hans R., 4,839,343, Cl. 514-12.000.

DeBlasi, Douglas S.; and Walsh, John P., to BASF Corporation. Phenolic-modified rosin ester printing inks. 4,857,624, 8-15-89, Cl. 528-129.000.

De Blasi, Italo: *See—*

Saubolle, Malcolm; De Blasi, Italo; and Livshitz, Stanley, 4,820,953, Cl. 310-338.000.

Debled, Beatrice: *See—*

Le Perchec, Pierre; Fixari, Bernard; Debled, Beatrice; and Thomas, Michel, 4,869,804, Cl. 208-106.000.

DeBlock, David A.; and Artwick, Kert E., to ODL, Incorporated. Venting door light with insulated glass. 4,872,498, 10-10-89, Cl. 160-90.000.

DeBlock, David A.; and Artwick, Kert E., to ODL, Incorporated. Sun porch. 4,884,376, 12-5-89, Cl. 52-90.000.

Debney, Martin F.: *See—*

Elsen, Jeffrey M.; Debney, Martin F.; and Kling, Thomas J., 4,869,950, Cl. 428-198.000.

De Boeck, Arthur: *See—*

Baudier, Philippe; De Boeck, Arthur; and Fossion, Jacques, 4,832,958, Cl. 424-473.000.

Baudier, Philippe; De Boeck, Arthur; and Fossion, Jacques, 4,859,469, Cl. 424-462.000.

Deboeck, Arthur M., to Galephar. Mucolytic acetylcysteine salts. 4,847,282, 7-11-89, Cl. 514-400.000.

DeBoer, Charles D., to Eastman Kodak Company. Dye-receiving element containing spacer beads in a laser-induced thermal dye transfer. 4,876,235, 10-24-89, Cl. 503-227.000.

de Boer, Herman A.; Heynerer, Herbert L.; and Seeburg, Peter H., to Genentech, Inc. Terminal methionyl bovine growth hormone and its use. 4,880,910, 11-14-89, Cl. 530-350.000.

De Boer, Jan R.: *See—*

Blanken, Pieter G.; and De Boer, Jan R., 4,868,518, Cl. 330-264.000.

De Boer, Jurrie: *See—*

Addink, Jaap H.; Beelen, Christiaan M. J. M.; Steen, Adam; Verhoog, Hendrik M.; and De Boer, Jurrie, 4,795,725, Cl. 501-101.000.

De Boer, Philipp: *See—*

Bruggmann, Remy; and De Boer, Philipp, 4,796,414, Cl. 57-6.000.

deBoer, Wiebe B.; Jensen, Klavs F.; Johnson, Wayne L.; Read, Gary W.; and Robinson, McDonald, to Epsilon. Apparatus for chemical vapor deposition using an axially symmetric gas flow. 4,798,165, 1-17-89, Cl. 118-715.000.

deBoer, Wiebe B.; and Ozias, Albert E. Rotatable substrate supporting mechanism with temperature sensing device for use in chemical vapor deposition equipment. 4,821,674, 4-18-89, Cl. 118-666.000.

deBoer, Wiebe B.: *See—*

Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goodwin, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoer, Wiebe B., 4,828,224, Cl. 251-298.000.

DeBold, Terry A.; Magee, John H., Jr.; and Schmidt, Norman B., to Carpenter Technology Corporation. Austenitic, non-magnetic, stainless steel alloy. 4,818,484, 4-4-89, Cl. 420-46.000.

DeBold, Terry A.; Englehart, David A.; and Martin, James W., to Carpenter Technology Corporation. Duplex alloy. 4,832,765, 5-23-89, Cl. 148-325.000.

DeBolt, Charles H. Ditch forming machine. 4,819,348, 4-11-89, Cl. 37-81.000.

De Bom Van Driessche, Dirk: *See—*

Bauwens, Frank; and De Bom Van Driessche, Dirk, 4,860,176, Cl. 362-72.000.

de Bonneville, Jean: *See—*

Ham, Pierre; Dessapt, Jean-Paul; Bischoff, Didier; and de Bonneville, Jean, 4,849,092, Cl. 208-140.000.

Debono, Manuel; Kirst, Herbert A.; and Leeds, James P., to Eli Lilly and Company. Modifications of 3-O-demethylmycinose in macrocin and lactenocin. 4,820,594, 4-11-89, Cl. 514-30.000.

Debono, Manuel; and Kirst, Herbert A., to Eli Lilly and Company. C-20-dihydro-deoxy-(cyclic amino)-derivatives of macrolide antibiotics. 4,820,695, 4-11-89, Cl. 514-30.000.

Debons, Francis E., to Texaco Inc. High salinity polymer drive for surfactant flooding systems. 4,821,803, 4-18-89, Cl. 166-273.000.

Debons, Francis E.; Pedersen, Larry D.; and Whittington, Lawrence E. Use of lignin/amine/surfactant blends in enhanced oil recovery. 4,822,501, 4-18-89, Cl. 252-8.554.

DeBonville, David A.; and Riedel, Gerard E., to Genetics Institute, Inc. Method for the isolation and purification of DNA molecules. 4,833,239, 5-23-89, Cl. 536-27.000.

DeBonville, David A.; and Riedel, Gerard E., to Genetics Institute, Inc. Novel composition for nucleic acid purification. 4,843,012, 6-27-89, Cl. 435-270.000.

De Boom, Willem C.: *See—*

Poldervaart, Leendert, and De Boom, Willem C., 4,825,797, Cl. 114-230.000.

Debortoli, George; Contardo, Remo; and Despault, Paul R., to Northern Telecom Limited. Insulation displacement members and electrical connectors. 4,826,449, 5-2-89, Cl. 439-411.000.

De Bortoli, Giuseppe: *See—*

Baggio, Giorgio; and De Bortoli, Giuseppe, 4,799,297, Cl. 24-68.0SK

DeBourge, Jean-Claude; Greiner, Alfred; and Pepin, Regis, to Rhone-Poulenc Agrochimie. Fungicides containing triazole and oligoether groups. 4,863,943, 9-5-89, Cl. 514-383.000.

Debouzie, Alain; Bouquet, Francois; and De Meringo, Alain, to Saint-Gobain Recherche. Forming of felts which have an isotropic structure. 4,826,722, 5-2-89, Cl. 428-280.000.

DeBraal, Stanley J.; and Nickles, Daniel R., to Deere & Company. Adjustable height vehicle roll-over bar. 4,877,265, 10-31-89, Cl. 280-756.000.

DeBraal, Stanley J.: *See—*

Wanie, Lee J.; Behrens, Robert N.; DeBraal, Stanley J.; and Bedis, Michael, 4,883,137, Cl. 180-6.340.

Debras, Guy; and Bodart, Philippe, to Labofina, S.A. Process for removing arsine from light olefin containing hydrocarbon feedstocks. 4,861,939, 8-29-89, Cl. 585-820.000.

Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; and Cahen, Raymond M., to Labofina, S.A. Process for removing carbonyl-sulfide from liquid hydrocarbon feedstocks. 4,830,735, 5-16-89, Cl. 208-244.000.

Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; Grootjans, Jacques F.; and Cahen, Raymond M., to Labofina, S.A. Process for the selective hydrogenation of alkynes. 4,831,200, 5-16-89, Cl. 585-259.000.

Debreceni Mezogazdasagi Gepgyarto Vallalat: *See—*

Szepessy, Istvan; Tundik, Ferenc; Gyurk, Istvan; and nee Kiss, Ibolya S., 4,817,333, Cl. 47-58.000.

Debreczeni, Lorand: *See—*

Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.

Debrie, Jean: *See—*

Millet, Jocelyn; and Debrie, Jean, 4,847,509, Cl. 250-560.000.

Debrie, Jean-Jacques: *See—*

Schwegler, Patrice; Debrie, Jean-Jacques; Clement, Bernard; Moreaux, Francois; and Olivier, Jacques, 4,840,353, Cl. 266-80.000.

Debroche, Claude; and Laurent, Daniel, to Compagine Generale des Etablissements Michelin. Machine for the manufacture of a tire reinforcement. 4,804,436, 2-14-89, Cl. 156-441.000.

de Brock, Raoul, to Theodor Hymman, Firma. Conveyor press. 4,807,525, 2-28-89, Cl. 100-153.000.

De Brock, Raoul, to Akzo NV. Arrangement for applying surface pressure to continuously moving workpiece webs. 4,877,392, 10-31-89, Cl. 425-371.000.

Debrodt, Heiner; and Kluger, Petra, to Ciba-Geigy Corporation. Anodes for electrolyses. 4,849,085, 7-18-89, Cl. 204-290.00F.

DeBrosse, John K.: *See—*

Critchlow, Dale L.; DeBrosse, John K.; Mohler, Rick L.; Noble, Wendell P., Jr.; and Parries, Paul C., 4,873,205, Cl. 437-200.000.

de Brouwer-Elzenbroek, Grada; de Brouwer, Franciscus J. G. H.; de Brouwer, Rene E. R.; and de Brouwer, Monique Y. M., to Karsten Metaal B.V. Locking means, and more particularly a lock for a bicycle. 4,887,444, 12-19-89, Cl. 70-233.000.

de Brouwer, Franciscus J. G. H.: *See—*

de Brouwer-Elzenbroek, Grada; de Brouwer, Franciscus J. G. H.; de Brouwer, Rene E. R.; and de Brouwer, Monique Y. M., 4,887,444, Cl. 70-233.000.

de Brouwer, Monique Y. M.: *See—*

de Brouwer-Elzenbroek, Grada; de Brouwer, Franciscus J. G. H.; de Brouwer, Rene E. R.; and de Brouwer, Monique Y. M., 4,887,444, Cl. 70-233.000.

Debrouwer, Yves: *See—*

Penato, Jean M.; Gabbay, Emile; and Debrouwer, Yves, 4,799,250, Cl. 378-144.000.

Debruhl, Ray, Jr. Traveling irrigation system. 4,842,204, 6-27-89, Cl. 239-744.000.

De Bruijne, Roeland P.: *See—*

Borgers, Stephanus M. C.; De Bruijne, Roeland P.; and De With, Peter H. M., 4,849,812, Cl. 358-133.000.

deBruin, Frank G., to Grand Rapids Label Company. Label or ticket. 4,872,707, 10-10-89, Cl. 283-102.000.

de Bruin, Johannes A. J.: *See—*

Kleijne, Theodoor A.; de Bruin, Johannes A. J.; and Goossens, Jan B., 4,811,288, Cl. 365-52.000.

DeBruler, Dennis L.; Hafer, Edward H.; Hiller, Thomas L.; Johnson, James M., Jr.; Kimber, Douglas A.; McHarg, Christopher G.; Pector, Scott W.; and Pierce, David A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Control information communication arrangement for a distributed control switching system. 4,821,259, 4-11-89, Cl. 370-60.000.

Debrunner, Ernst, to Ernst Debrunner AG. Muscle-powered shower. 4,829,609, 5-16-89, Cl. 4-603.000.

De Bruycker, Erwin, to Raychem Corporation. Indicator for dimensionally-recoverable sleeves. 4,795,509, 1-3-89, Cl. 156-49.000.

De Bruycker, Erwin; Hunter, Thomas; Pinyan, Jim; and Scalco, Emanuele, to Raychem Corporation. Telecommunications terminal block. 4,846,721, 7-11-89, Cl. 439-411.000.

De Bruycker, Patricia: *See—*

Legrand, Franz; and De Bruycker, Patricia, 4,798,710, Cl. 423-69.000.

De Bruyn, Marcel F. L.; Van Lommen, Guy R. E.; and Lutz, William R., to Janssen Pharmaceutica N.V. Herbicidal 1,5-substituted 1H-imidazoles. 4,878,940, 11-7-89, Cl. 71-92.000.

De Bruyn, Svend R.: *See—*

Buckingham, Danny W.; and De Bruyn, Svend R., 4,801,918, Cl. 340-114.00B.

DeBruyne, Michael: *See—*

Sos, Thomas A.; DeBruyne, Michael; and Osborne, Thomas A., 4,848,344, Cl. 128-344.000.

DeBruyne, Robert W., to Cross Company, The. Method and apparatus for locating and clamping a workpiece, such as a piston, prior to rotating same in a machining operation. 4,852,437, 8-1-89, Cl. 82-165.000.

DeBruyne, Robert W.: *See—*

Compton, Ronald E.; Brown, Bruce A.; Akhurst, Donald S.; Myers, Douglas R.; Smith, Robert W.; and DeBruyne, Robert W., 4,867,020, Cl. 82-1.110.

Debs, Victor. Venetian blind. 4,886,102, 12-12-89, Cl. 160-177.000.

Debsikdar, Jagadish, to Battelle Memorial Institute. Broadband antireflective coating composition and method. 4,830,879, 5-16-89, Cl. 427-162.000.

De Buhr, Harold E.; and Wilkes, Raymond S., to Deere & Company. Blower and discharge spout assembly. 4,821,495, 4-18-89, Cl. 56-13.300.

de Burbure, Stephane: *See—*

Raimondi, Tullio; Presle, Pierre; Galbiati, Leandro; and de Burbure, Stephane, 4,843,213, Cl. 219-159.000.

de Burlet, Georges: *See—*

Andermann, Guy; de Burlet, Georges; Dietz, Michel, and Spittler, Joseph, 4,837,021, Cl. 424-602.000.

De Burro, Agostino L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Unmated pin connector having improved electrostatic discharge protection. 4,824,377, 4-25-89, Cl. 439-186.000.

Debus, Gerhard; and Bartscher, Bernd, to Heimann GmbH. Thyristor triggering device. 4,868,461, 9-19-89, Cl. 315-209.0SC.

Debus, Jurgen, to Rittal-Werk Rudolf Loh GmbH & Co. KG. Device for electrical connection of two components. 4,802,863, 2-7-89, Cl. 439-387.000.

Debus, Jurgen; and Lehr, Lothar, to Rittal-Werk. Socket for a control panel. 4,878,777, 11-7-89, Cl. 403-205.000.

Debus, Walter, Jr.; and Stenger, Gerhard W., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Analog-to-digital converter with adaptable quantizing levels. 4,831,382, 5-16-89, Cl. 341-200.000.

De Buyer, Edouard, to Colgate-Palmolive Company. Dispensing device for washing products for a dishwashing machine. 4,823,818, 4-25-89, Cl. 134-95.000.

De Buyl, Marc H.; and Guidish, Thomas M., to Western Atlas International, Inc. Method for estimating subsurface porosity. 4,817,062, 3-28-89, Cl. 367-73.000.

Debuysscher, Pierre L.; Bauwens, Jan G.; and DeSomer, Michel P. M., to Alcatel NV. Switching system. 4,813,037, 3-14-89, Cl. 370-60.000.

Debuysscher, Pierre L., to Alcatel N.V. Asynchronous time division communication system. 4,881,223, 11-14-89, Cl. 370-77.000.

de Buzzaccarini, Francesco: *See—*

Konig, Axel; and de Buzzaccarini, Francesco, 4,806,255, Cl. 252-8.800.

Dec in Tech, Inc.: *See—*

Dechow, Frederick L., 4,883,068, Cl. 128-760.000.

DEC International Inc.: *See—*

Huang, Min N.; Lary, Steven R.; and McFarlane, Claude L., 4,817,511, Cl. 99-349.000.

DEC Machinery S.A.: *See—*

Dietrich, Frederic, 4,834,589, Cl. 406-109.000.

De Caluwe, Robert C. J. M.: *See—*

Langmeier, James R.; Chehab, Mohamed N. H.; De Caluwe, Robert C. J. M.; Hertogs, Willy A. M.; Van den Broeck, Jean B. A.; and van Loon, Miriam H. J. M., 4,807,787, Cl. 222-529.000.

Decamor Limited: *See—*

Curtis, Stephen S.; and Allen, Michael, 4,865,860, Cl. 426-482.000.

DeCamp, Ann E.; Verhoeven, Thomas R.; and Shinkai, Ichiro, to Merck & Co., Inc. Hydrogenation process for the formation of 3,5-dihydro HMG-CoA reductase inhibitors. 4,826,999, 5-2-89, Cl. 549-214.000.

DeCamp, Ann E.; Verhoeven, Thomas R.; and Shinkai, Ichiro, to Merck & Co., Inc. Hydrogenation process for the formation of 3,4-dihydro HMG-CoA reductase inhibitors. 4,831,165, 5-16-89, Cl. 549-214.000.

DeCamp, Ann E.; Weinstock, Leonard M.; and Verhoeven, Thomas R., to Merck & Co., Inc. Acylation process for the synthesis of HMG-CoA reductase inhibitors. 4,845,237, 7-4-89, Cl. 549-214.000.

DeCamp, Ann E.; Verhoeven, Thomas R.; and Shinkai, Ichiro, to Merck & Co., Inc. Hydrogenation process for the formation of tetrahydro HMG-CoA reductase inhibitors. 4,864,035, 9-5-89, Cl. 549-214.000.

Decamp, Gary S.: *See—*

Claeys Ronald W.; and Decamp, Gary S., 4,853,521, Cl. 235-375.000.

DeCamp, Howard S.: *See—*

Voss, David L.; DeCamp, Howard S.; and Culp, Gordon W., 4,874,930, Cl. 219-522.000.

Voss, David L.; DeCamp, Howard S.; and Culp, Gordon W., 4,876,178, Cl. 430-314.000.

De Canto, Anthony. Collar apparatus for retaining a hot or cold pack insert. 4,832,030, 5-23-89, Cl. 128-380.000.

de Carbon, Christian B. Telescopic hydraulic shock absorber with temperature sensitive wire to control damping. 4,799,577, 1-24-89, Cl. 188-277.000.

DeCaria, Frank O.: *See—*

Skeirik, Richard D.; and DeCaria, Frank O., 4,884,217, Cl. 364-513.000.

Decarie, Pierre G. Socket wrench tool box. 4,865,194, 9-12-89, Cl. 206-378.000.

DeCarlo, Frances: *See—*

Brown, William M.; and DeCarlo, Frances, 4,813,594, Cl. 229-103.000.

DeCarlo, Joseph P.; and Kegal, Thomas M., to Foxboro Company, The. Steam quality measurement apparatus and method. 4,876,897, 10-31-89, Cl. 73-861.040.

DeCarlo, Tony J. Lift improvement device. 4,822,087, 4-18-89, Cl. 294-1.100.

DeCaro, Charles J., to Demby Industries, Inc. Barrel assembly for installation tool and method of installation. 4,809,568, 3-7-89, Cl. 81-57.370.

DeCaro, Thomas J. Device for spreading and hanging the head of a hammock. 4,800,601, 1-31-89, Cl. 5-123.000.

De Castro, Bruno, to United Tank Lifting Technologies, Inc. Process for lifting tanks. 4,807,851, 2-28-89, Cl. 254-1.000.

DeCastro, Eugene A.: *See—*

DonMicheal, T. Anthony; Siegel, Robert J.; and DeCastro, Eugene A., 4,870,953, Cl. 128-24.00A.

de Castro Morshbacker, Antonio L. R.; Filho, Dante F. F.; Filho, Joaquim M. F.; da Fonseca, Marcus C.; and de Mello, Ricardo T., to Petroflex, Industria E Comercio S.A. Process for the production of hydrated alumina and process for the treatment of acid wastes. 4,849,190, 7-18-89, Cl. 423-124.000.

Decatur-FRP/Partners: *See—*

Morton, Donald L., 4,849,402, Cl. 514-2.000.

Decature, Paul S.: *See—*

Blair, Jeffrey L.; Decature, Paul S.; and Jackson, Charles L. 4,866,955, Cl. 68-12.00R.

Decaux, Jean-Claude. Sanitary unit. 4,797,959, 1-17-89, Cl. 4-662.000.

December, Timothy S.: *See—*

Cameron, James M.; Stanton, Timothy P.; Tye, Anthony J.; and December, Timothy S., 4,837,278, Cl. 525-162.000.

DeCerce, Garrett B.: *See—*

Hansen, Paul D.; DeCerce, Garrett B.; and Schmidt, William J., Jr. 4,850,735, Cl. 403-330.000.

De Cesare, Dominic. Two pole electric motor constructions with stator winding encircling the rotor and method of assembling same. 4,883,997, 11-28-89, Cl. 310-179.000.

De Cesare, Dominic V. Armature stator configuration for compound interaction/induction electric rotating machine. 4,845,398, 7-4-89, Cl. 310-261.000.

Dech, James A.: *See—*

Hsu, Frank H.; and Dech, James A., 4,807,704, Cl. 166-313.000.

de Chambost, Emmanuel, to THOMSON-CSF. Electronic beam device for projecting an image of an object on a sample. 4,798,953, 1-17-89, Cl. 250-310.000.

de Chambost, Emmanuel; Micheron, Francois; Vallet, Francois; and Vignolle, Jean-Michel, to Thomson-CSF. Programmable ferroelectric polymer neural network. 4,873,455, 10-10-89, Cl. 307-201.000.

de Champlain, Michael: *See—*

Rusu, Robert T.; O'Connor, David; Cadwallader, Walter; de Champlain, Michael; and Ottho, Ulf, 4,824,099, Cl. 272-33.00R.

de Champs, Francois: *See—*

Hurtel, Patrice; Hazan, Charles; de Champs, Francois; and Petit, Jean-Michel, 4,851,568, Cl. 560-222.000.

Dechelette, Helen; and Fontenaud, Christian, to Molex Incorporated. Carrier for molded articles and method of using the carrier. 4,807,35 2-28-89, Cl. 29-857.000.

Dechelette, Helen M. P., to Molex Incorporated. Low profile shielded jack 4,878,858, 11-7-89, Cl. 439-607.000.

Dechene, Fernand J.: *See—*

Hursey, Francis X.; and Dechene, Fernand J., 4,822,349, Cl. 604-367.000.

DeChiara, Thomas M.; and Tarnowski, Stanley J., Jr., to Hoffmann-La Roche, Inc. Polypeptides having interferon activity. 4,816,56 3-28-89, Cl. 530-351.000.

De Chiffre, Chiara; and De Chiffre, Enrica. Process for making aerated concrete. 4,828,618, 5-9-89, Cl. 106-87.000.

De Chiffre, Enrica: *See—*

De Chiffre, Chiara; and De Chiffre, Enrica, 4,828,618, Cl. 106-87.000.

Dechirot, Jean-Pierre, to Societe Vynex S.A. System for determining replenishment needs on a product display by measuring vacant space 4,797,819, 1-10-89, Cl. 364-403.000.

Dechirot, Jean-Pierre, to Societe Vynex S.A. Return spring device for double pins of display units. 4,821,894, 4-18-89, Cl. 211-59.300.

Dechow, Calvin F.: *See—*

Meyer, William R.; and Dechow, Calvin F., 4,888,030, Cl. 44-640.000.

Dechow, Frederick J., to Ciba-Geigy Corporation. Palatable hypocholesterolaemic gel formulation containing a pharmaceutically acceptable non-digestible anion exchange resin. 4,837,255, 6-6-89, Cl. 524-23.000.

Dechow, Frederick L., to Dec in Tech, Inc. Blood sampling device and method. 4,883,068, 11-28-89, Cl. 128-760.000.

DeChristopher, John R., Sr.: *See—*

Lary, Todd P.; Quintana, Jorge A.; Miranda, Osvaldo E.; DeChristopher, John R., Sr.; and Hollinger, John D., 4,845,025, Cl. 435-2.000.

Decibel Products, Inc.: *See—*

Mailandt, Peter; and Hicks, John R., 4,823,280, Cl. 364-514.000.

Decima, Francois; and Rochon, Alain, to Michelin & Cie (Compagnie Generale des Establissements Michelin). Pair of tires for two wheeled vehicle. 4,880,043, 11-14-89, Cl. 152-526.000.

Deciutiis, Laura. Automatically retractable rural mail box. 4,821,952, 4-18-89, Cl. 232-17.000.

Deck, Leslie L., to Honeywell Inc. Electronic sensing screen for measuring projectile parameters. 4,864,515, 9-5-89, Cl. 364-516.000.

Deck, Leslie L., to Honeywell Inc. Object motion sensing and measuring apparatus using position sensing detectors. 4,870,290, 9-26-89, Cl. 250-561.000.

Deckard, Carl R., to Board of Regents, The University of Texas System. Method and apparatus for producing parts by selective sintering. 4,863,538, 9-5-89, Cl. 156-62.200.

Decker, Arnold F., to Templeton, Kenly & Co. Rotary valve with jet pump aspirator. 4,823,550, 4-25-89, Cl. 60-412.000.

Decker, Arnold F.; and Silke, Timothy L., to Templeton, Kenly & Co. Air speed control valve air pressure drive hydraulic fluid pump. 4,889,472, 12-26-89, Cl 417-46.000.

Decker, Clifford J.: *See—*

Werner, Roy H.; Galgon, Randy A.; and Decker, Clifford J., 4,818,392, Cl. 210-195.300.

Decker, Deborah A.: *See—*

Decker, Donald F., Jr.; Decker, Deborah A.; and Duggins, Kathleen S., 4,857,302, Cl. 424-47.000.

Decker, Donald F., Jr.; Decker, Deborah A.; and Duggins, Kathleen S. Solubilized benzoyl peroxide and cosmetic solution including solubilized benzoyl peroxide. 4,857,302, 8-15-89, Cl. 424-47.000.

Decker, Hans-Joachim: *See—*

Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,805,465, Cl. 73-862.340.

Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,811,238, Cl. 364-508.000.

Decker, Heinz; Engfer, Ortwin; and Kuhle, Walter, to Robert Bosch GmbH. Adjustable engine mount. 4,802,648, 2-7-89, Cl. 248-550.000.

Decker, John A., Jr.; Decker, Linda M.; and Halford, Christopher J., to Kuau Technology, Ltd. Composite-materials acoustic stringed musical instrument. 4,873,907, 10-17-89, Cl. 84-291.000.

Decker, Kenneth L., to Otis Engineering Corporation. Fluid flow regulator. 4,858,644, 8-22-89, Cl. 137-504.000.

Decker, Linda M.: *See—*

Decker, John A., Jr.; Decker, Linda M.; and Halford, Christopher J., 4,873,907, Cl. 84-291.000.

Decker, Martin: *See—*

Engelbach, Heinz; Krokoszinski, Roland; Franzischka, Wolfgang; and Decker, Martin, 4,814,479, Cl. 558-328.000.

Decker, Martin J.: *See—*

Hopwood, Francis W.; Kane, Jerry A.; Ioannidis, George A.; and Decker, Martin J., 4,847,624, Cl. 342-201.000.

Decker, Michael: *See—*

Harris, Clark E.; Armbruster, Randy; Decker, Michael; and Phillips, Bradley A., 4,852,821, Cl. 242-71.800.

Decker, Richard B.; and Bozzi, Richard P., to Bettcher Industries, Inc. Rotary hand trimming knife. 4,854,046, 8-8-89, Cl. 30-276.000.

Decker, Richard W.: *See—*

King, David R.; Lee, Mark S.; and Decker, Richard W., 4,847,446, Cl. 174-68.500.

Decker, Stephen W.: *See—*

Schlunt, Richard S.; and Decker, Stephen W., 4,843,587, Cl. 364-841.000.

Decker, Susan A.: *See—*

Deshpande, Vikas M.; Walts, John M.; and Decker, Susan A., 4,847,076, Cl. 424-71.000.

Decker, William: *See—*

Wolnick, Kenneth; and Decker, William, 4,809,608, Cl. 101-416.100.

Deckers, Margarete: *See—*

Reichert, Hansjoerg; Scharf, Ludwig; and Deckers, Margarete, 4,808,542, Cl. 437-20.000.

Deckert, Clinton; and Wilson, Larry L., to Centaur Sciences, Inc. Flow control system. 4,821,028, 4-11-89, Cl. 340-606.000.

Deckert, Curt: *See—*

Lentz, David; Wilson, Larry; and Deckert, Curt, 4,857,050, Cl. 604-67.000.

Deckman, Harry W.: *See—*

Dunsmuir, John H.; Deckman, Harry W.; and McHenry, James A., 4,801,476, Cl. 427-430.100.

Flannery, Brian P.; Deckman, Harry W.; Eisenberger, Peter M.; and Roberge, Wayne G., 4,833,698, Cl. 378-19.000.

Roxlo, Charles B.; Deckman, Harry W.; and Tiedje, J. Thomas, 4,867,840, Cl. 156-643.000.

Deckner, Andre G.; Imhof, Martin; and Zweymuller, Karl. Hip joint prosthesis. 4,813,962, 3-21-89, Cl. 623-23.000.

Deckner, George E.; and Georgalas, Arthur C. W., to Charles of the Ritz Group Ltd. Skin treatment composition and method. 4,847,267, 7-11-89, Cl. 514-311.000.

Deckner, George E. Novel non-irritating moisturizer, compositions containing same and method. 4,851,434, 7-25-89, Cl. 514-847.000.

Deckner, George E.; and O'Grady, Hedwig. Novel clear oil-free moisturizer composition. 4,863,725, 9-5-89, Cl. 424-81.000.

Deckner, George E.: *See—*

Georgalas, Arthur C. W.; and Deckner, George E., 4,837,019, Cl. 424-101.000.

Decko, Gary W.; Peng, Yao; and Vogel, Herman, to Avco Corporation. Stress relief support structures and assemblies. 4,802,823, 2-7-89, Cl. 416-97.00A.

Decktor, Dennis L.; Fitzpatrick, Leo R.; and Campbell, Henry F., to Rorer Pharmaceutical Corporation. Method of prevention and treatment of peptic ulcers. 4,831,040, 5-16-89, Cl. 514-291.000.

De Clippeleir, Georges E. M. J.: *See—*

Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; and Cahen, Raymond M., 4,830,735, Cl. 208-244.000.

Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; Grootjans, Jacques F.; and Cahen, Raymond M., 4,831,200, Cl. 585-259.000.

Decneut, Bert: *See—*

Overbergh, Noel M. M.; and Decneut, Bert, 4,824,706, Cl. 428-34.500.

De Cock, Etienne J.: *See—*

Jansen, Frans H. J.; and De Cock, Etienne J., 4,863,965, Cl. 514-576.000.

Decoene, Frans J. G. C.: *See—*

Naaktgeboren, Adrianus; Van Steelant, Jan R.; and Decoene, Frans J. G. C., 4,835,953, Cl. 56-226.000.

De Coi, Beat; and Keller, Hans-Peter, to Gebrueder Loepfe AG. Method of regulation and regulating device for an apparatus or group of apparatuses, as well as an apparatus having a regulating device. 4,873,621, 10-10-89, Cl. 364-150.000.

de Cointet, Paul M.: *See—*

Bisagni, Emile R.; Nguyen, Hung C.; and de Cointet, Paul M., 4,870,180, Cl. 546-86.000.

de Concini, Roberto; and Stagni, Rino, to Weber S.r.l. Fuel manifold unit with integrated pressure regulator for the fuel injection system of an internal combustion engine. 4,805,575, 2-21-89, Cl. 123-468.000.

de Concini, Roberto; and Fargnoli, Gianni, to Weber S.r.l. Device for the external connection of electrical cables of a container body. 4,851,611, 7-25-89, Cl. 174-52.300.

de Concini, Roberto; and Brighi, Massimo, to Weber s.r.l. Ultrasonic device for measuring the rate of flow of fluid in a duct. 4,860,593, 8-29-89, Cl. 73-861.290.

Deconinck, Bernard; Oliveres, Andre; Rialan, Joseph; and Thierry, Gerard, to Institut Francais du Petrole. Seismic signal transmission system using relay radios. 4,815,044, 3-21-89, Cl. 367-77.000.

Deconinck, Filip; Cappelaere, Johan; and Vandeweghe, Michel, to Picanol N.V. Method for controlling the warp let-off and cloth take-up on weaving machines. 4,817,677, 4-4-89, Cl. 139-99.000.

DeCoopman, Christian: *See—*

Demars, Yves; Szalata, Francois; and DeCoopman, Christian, 4,852,219, Cl. 19-305.000.

DeCore, Robert A.; and Justus, Thomas J., to Fel-Pro Incorporated. Method of forming a gasket with enhanced sealing characteristics. 4,830,698, 5-16-89, Cl. 156-219.000.

de Cortanze, Andre , to ELF France. Wheel suspensions of land vehicles and especially of steerable wheels. 4,834,408, 5-30-89, Cl. 280-96.100.

Decorzant, Rene : *See—*

Whitesides, George M.; Decorzant, Rene ; and Naef, Ferdinand, 4,814,469, Cl. 549-458.000.

DeCoste Jr., Charles L.: *See—*

Aulick, Larry O.; and DeCoste Jr., Charles L., 4,842,795, Cl. 264-155.000.

Decoster, Michel H. F.: *See—*

Gijzen, Wilhelmus A. H.; Decoster, Michel H. F.; and Camerik, Eduard, 4,833,666, Cl. 369-75.200.

DeCote, Robert, Jr.; and Livingston, John H., to Cordis Corporation. EGM data sampling system. 4,815,017, 3-21-89, Cl. 364-602.000.

de Couet, Alexandre: *See—*

Buzzi, Carlo; de Couet, Alexandre; and Hamid, Mohamed, 4,865,025, Cl. 128-92.0VD.

Decoufle s.a.r.l.: *See—*

Irigoyen, Pierre, 4,883,077, Cl. 131-108.000.

Decraemer, Alain, to U.S. Philips Corporation. Line deflection circuit with dynamic S correction. 4,859,915, 8-22-89, Cl. 315-371.000.

Decrane, Charles E. Bulk bag discharge unit and method. 4,863,065, 9-5-89, Cl. 222-1.000.

DeCristofaro, Nicholas J.: *See—*

Datta, Amitava; Davis, Lance A.; DeCristofaro, Nicholas J.; and Marti, Jordi, 4,889,568, Cl. 148-108.000.

Decubitus, Inc.: *See—*

Evans, Donald L., 4,864,671, Cl. 5-453.000.

De Cuellar, Blanca Rosa A.; and Bello, Luis Armando L., to Laboratorios Biochemie de Mexico. Method of manufacturing a composition for treating skin lesions. 4,828,832, 5-9-89, Cl. 424-618.000.

Decuir, Joseph C.: *See—*

Miner, Jay G.; Dean, Dave; Decuir, Joseph C.; Nicholson, Ronald H.; and Tanaka, Akio, 4,874,164, Cl. 273-1.00E.

De Cuir, Perry J., to Crawford, Douglas W. Hydraulic jar mechanism. 4,865,125, 9-12-89, Cl. 166-178.000.

Dede, Laszlo ; Dede nee Pal, Maria; Bogdany, Laszlo ; and Bogdany nee Forgacs, Olga, to Caola Kozmetikai es Haztartasvegyipari Vallalat. Protein and mineral water-containing cosmetic compositions. 4,863,897, 9-5-89, Cl. 514-6.000.

Dede nee Pal, Maria: *See—*

Dede, Laszlo ; Dede nee Pal, Maria; Bogdany, Laszlo ; and Bogdany nee Forgacs, Olga, 4,863,897, Cl. 514-6.000.

De Decker, Emile; Oostvogels, Jozef; van Wauwe, Gerard; and Neubauer, Gerald, to BASF Aktiengesellschaft. Preparation of caprolactam from cyclohexanone oxime by Beckmann rearrangement. 4,804,754, 2-14-89, Cl. 540-535.000.

De Decker, Emile: *See—*

Brand, Uwe; De Decker, Emile; Deuker, Ernst; Fuchs, Hugo; Kartte, Klaus; Neubauer, Gerald; and Oostvogels, Jozef, 4,804,473, Cl. 210-634.000.

Neubauer, Gerald; De Decker, Emile; Fuchs, Hugo; Holzknecht, Bernhard; and Ritz, Josef, 4,882,430, Cl. 540-540.000.

De Deken, Jacques C.: *See—*

Newman, Stanley F.; De Deken, Jacques C.; and Cook, Michael L., 4,885,399, Cl. 568-410.000.

Vasilevskis, Janis; De Deken, Jacques C.; Saxton, Robert J.; Wentrcek, Paul R.; Fellmann, Jere D.; and Kipnis, Lyubov S., 4,853,357, Cl. 502-165.000.

De Deugd, Johannes A. G.; and van Moorsel, Josephus J. Color television display tube. 4,876,477, 10-24-89, Cl. 313-404.000.

De Dianous, Herve . Synthesizer-driving pickup system for bowed string instrument. 4,805,510, 2-21-89, Cl. 84-1.160.

Dedio, Edward L.; and Reeves, John W., to Eastman Kodak Company. Photothermographic element and process. 4,857,439, 8-15-89, Cl. 430-349.000.

Dedmon, George D. Tufting machine having an individual needle control system. 4,852,505, 8-1-89, Cl. 112-80.420.

Dedo, Richard G. Article and method for prepping a patient prior to surgery. 4,820,279, 4-11-89, Cl. 604-290.000.

Dedole, Pascal: *See—*

Guerendel, Philippe; Naville, Charles; Laurent, Jean; and Dedole, Pascal, 4,874,060, Cl. 181-102.000.

Dedotec optronische und mechanische Systeme GmbH: *See—*

Weigert, Dedo, 4,823,243, Cl. 362-281.000.

Dedrich, Mark R.: *See—*

Brahm, Leroy D.; Brown, Frank C.; Ciarlone, David F.; Dedrich, Mark R.; Hassall, James B.; and Salva, Fedor M., 4,865,801 Cl. 376-260.000.

Dee Howard Co., The: *See—*

Fage, Etienne, 4,860,956, Cl. 239-265.190.

Dee, James S.; and Bell, Thomas J., to Diverse Termination Products, Inc. Self-locking strain-relief end bell for electrical connector assembly. 4,808,123, 2-28-89, Cl. 439-470.000.

Dee, Richard H.; Rea, Laurence L., King, Darwin D.; and Ruse, Guy F., to Storage Technology Corporation. Method and apparatus for producing magnetically oriented films on substrates. 4,849,250, 7-18-89, Cl. 427-48.000.

Dee, Robert J.: *See—*

Flemming, J. Peter; and Dee, Robert J., 4,878,601, Cl. 222-137.000.

Dee, Robert N. Changeable scalpel blade and chuck assembly. 4,844,070, 7-4-89, Cl. 128-305.000.

Dee Sign Co.: *See—*

Huenefeld, Robert C., 4,885,860, Cl. 40-606.000.

Dee, William J.: *See—*

Porter, A. Michael; Spivey, J. R.; and Dee, William J., 4,828,419, Cl. 401-126.000.

Spivey, James R.; and Dee, William J., 4,880,326, Cl. 401-123.000.

Dee Zee, Inc.: *See—*

Elwell, Dennis L., 4,802,705, Cl. 296-39.200.

Deeb, Fouad M.: *See—*

Skinner, James W.; and Deeb, Fouad M., 4,809,994, Cl. 277-207.00A.

Deeba, Michel: *See—*

Agrawal, Rakesh; Auvil, Steven R.; and Deeba, Michel, 4,876,377, Cl. 558-416.000.

Deeg, Martin H. G., to Hoechst Celanese Corp. Process of making an aromatic polyetherketone fiber product. 4,849,148, 7-18-89, Cl. 264-176.100.

Deeg, Rolf; Dengler, Gisela; and Ziegenhorn, Joachim, to Boehringer Mannheim GmbH. Aqueous cholesterol standard solution and process for its preparation. 4,868,139, 9-19-89, Cl. 436-13.000.

Deeg, Rolf: *See—*

Siedel, Joachim; Deeg, Rolf; Roder, Albert; Ziegenhorn, Joachim; Mollering, Hans; and Gauhl, Helmgard, 4,816,393, Cl. 435-18.000.

Deegener, Elmar, to Keiper Recaro GmbH & Co. Seat rail structure for connecting a vehicle seat to the floor of a vehicle. 4,863,209, 9-5-89, Cl. 246-65.100.

Deeley, S. T.: *See—*

Abouav, David M., 4,860,653, Cl. 102-200.000.

Abouav, David M., 4,869,171, Cl. 102-215.000.

Deem, James R. Battery disconnect apparatus. 4,798,968, 1-17-89, Cl. 307-10.0BP.

Deem, William C. Notebook binder/label holder. 4,875,793, 10-24-89, Cl. 402-3.000.

Deemer, Randall E.: *See—*

Royal, Harold J.; and Deemer, Randall E., 4,848,198, Cl. 82-1.110.

Deems, Vincent B.: *See—*

Davis, Walter L.; Rivas, Mario A.; Burch, Kenneth R.; and Deems, Vincent B., 4,839,628, Cl. 340-311.100.

Deen, Mohammed J.: *See—*

Jaggi, Bruno; Deen, Mohammed J.; and Palcic, Branko, 4,845,552, Cl. 358-93.000.

Deep, Marguerite E.; and Thein, Nelson H., to Raychem Corporation. Conductive polymer devices. 4,884,163, 11-28-89, Cl. 361-58.000.

Deep, Marguerite E.: *See—*

Au, Andrew N.; Deep, Marguerite E.; Fahey, Timothy E.; and Jacobs, Stephen M., 4,857,880, Cl. 338-22.00R.

Lunk, Hans E.; Reed, Donald A.; Deep, Marguerite E.; Hill, Charles; and Au, Andrew, 4,859,836, Cl. 219-548.000.

Deer, John J., to Carri-Med Ltd. Rheometer. 4,878,379, 11-7-89, Cl. 73-60.000.

Deere & Comapny: *See—*

Viaud, Jean, 4,821,637, Cl. 100-88.000.

Deere & Company: *See—*

Ankum, Robert H.; and Olson, Jay H., 4,799,291, Cl. 16-259.000.

Ardueser, William A.; and Anstey, Henry D., 4,889,047, Cl. 100-87.000.

Becker, Manfred, 4,817,726, Cl. 172-9.000.

Benhart, Michael D., 4,822,108, Cl. 301-36.00R.

Bennett, Robert E., 4,807,496, Cl. 130-27.00S.

Bennett, Robert E., 4,805,640, Cl. 130-26.000.

Benning, Friedrich; and Grosse-Kohorst, Berthold, 4,805,264, Cl. 16-267.000.

Benning, Friedrich, 4,836,406, Cl. 220-203.000.

Bergene, Mark A., 4,811,811, Cl. 180-244.000.

Boardman, Peter W.; and McCombs, Daniel G., 4,875,356, Cl. 72-321.000.

Boe, Thomas E.; and Sweet, Richard L., 4,837,691, Cl. 364-424.050.

Boyce, Bradley R., 4,828,400, Cl. 374-46.000.

Bramstedt, Gerd; Love, Mahlon L.; and Hennen, John J. 4,828,011, Cl. 56-11.700.

Brimeyer, Dennis A.; and Stubben, David W., 4,80[illegible]61, Cl. 172-793.000.

Brown, Douglas P.; and Peck, Donald R., 4,817,732, Cl. 172-548.000.

Burgess, William C.; Jochum, Gary L.; Goetzinger, David; and Beckius, David A., 4,852,748, Cl. 211-70.600.

Burk, Ronnie F., 4,821,622, Cl. 91-29.000.

Cerny, John R., Jr.; Olson, Jay H.; Hall, James W.; and Erdman, Leon P., 4,887,420, Cl. 56-320.200.

Cook, Michael S., 4,821,395, Cl. 29-407.000.

DeBraal, Stanley J.; and Nickles, Daniel R., 4,877,265, Cl. 280-756.000.

De Buhr, Harold E.; and Wilkes, Raymond S., 4,821,495, Cl. 56-13.300.

Deutsch, Timothy A.; and Haverdink, Virgil D., 4,817,370, Cl. 56-41.000.

Deutsch, Timothy A.; and Hubbard, Arthur L., 4,821,497, Cl. 56-41.000.

Deutsch, Timothy A.; and Copley, Russell D., 4,821,498, Cl. 56-50.000.

Deutsch, Timothy A., 4,840,018, Cl. 56-12.300.

Deutsch, Timothy A.; and Sheldon, Donald H., Jr., 4,850,184, Cl. 56-41.000.

Deutsch, Timothy A.; Schreiner, Joel M.; and McBee, Steve H. 4,875,330, Cl. 56-41.000.

Deutsch, Timothy A., 4,888,940, Cl. 56-16.600.

Dobberpuhl, Dale R.; and Kruel, Edward C., 4,838,101, Cl. 74-15.630.

Durant, Douglas M.; Kugler, Uwe H.; Vaughn, Bennie J.; Nordquist, Douglas W.; and Delfs, Larry M., 4,881,573, Cl. 137-614.040.

Easton, David J., 4,832,116, Cl. 165-126.000.

Engelstad, Jonathan L.; and Best, William A., 4,819,415, Cl. 56-41.000.

Engelstad, Jonathan L.; and Sanderson, Leon F., 4,866,918, Cl. 56-10.300.

Erdmann, Alan J.; and Shirley, Ralph E., 4,860,614, Cl. 74-710.000.

Fleischer, Dennis G.; Smola, Robert J.; and Draeger, James H. 4,819,554, Cl. 100-224.000.

Foley, Daniel M.; Snyder, Michael D.; and Long, John D. 4,875,527, Cl. 172-248.000.

Frerich, Josef; and Viaud, Jean, 4,813,348, Cl. 100-5.000.

Fujikawa, Tetsuzo; Tomonaga, Keisuke; Tamba, Shinichi; Miyake Hitomi; and Miyake, Hitomi, 4,862,981, Cl. 180-68.400.

Gage, Douglas M.; and Neagle, Stuart L., 4,809,586, Cl. 91-6.000.

Gage, Douglas M., 4,838,314, Cl. 137-625.240.

Hadley, Howard C., 4,875,421, Cl. 111-200.000.

Hagerer, Paul; Glaser, Fritz; Klimmer, Josef W.; and Kunze, Reinhard, 4,875,889, Cl. 460-1.000.

Hall, James W.; Popelier, Maurice A.; Klimmer, Josef W.; West, Neil L.; and Peters, Loren W., 4,884,994, Cl. 460-66.000.

Hoehn, Kevin W.; and Tompson, Warren L., 4,809,786, Cl. 172-316.000.

Hopkins, Reginald, 4,866,975, Cl. 72-448.000.

Hueckler, Volker; and Eckhardt, Ulrich, 4,821,834, Cl. 180-255.000.

Intveld, Dwayne J., 4,798,512, Cl. 414-722.000.

Johnson, Douglas R.; and Kruse, Randy P., 4,830,159, Cl. 192-53.00G.

Johnson, Stanley J., 4,843,767, Cl. 51-247.000.

Johnson, Steven H.; and Williams, Lary L., 4,838,755, Cl. 414-699.000.

Johnson, Steven H.; and Williams, Lary L., 4,838,756, Cl. 414-699.000.

Junge, Steve A.; and Deutsch, Timothy A., 4,803,830, Cl. 56-28.000.

Junge, Steve A.; and Sanderson, Leon F., 4,809,487, Cl. 56-10.200.

Kaczmarczyk, Edward T.; Rae, Rory; and Noyes, Roger A. 4,798,511, Cl. 414-686.000.

Kaminski, Earl W.; and Brown, David J., 4,795,197, Cl. 285-12.000.

Kempf, Bernd; and Scheid, Heinrich, 4,844,223, Cl. 192-9.000.

Kerckhove, Dennis A.; and Ziegler, Duane H., 4,866,920, Cl. 56-16.600.

Kramer, Kenneth D.; and Sparks, Gregory E., 4,799,645, Cl. 251-30.040.

Larson, Scott A.; and Johnson, Duane R., 4,875,563, Cl. 192-4.00A.

Leverenz, Steven J., 4,803,772, Cl. 29-568.000.

Love, Mahlon L., 4,879,868, Cl. 56-11.200.

Meyer, Paul A.; and Bedis, Michael, 4,826,389, Cl. 414-686.000.

Miller, James A., 4,813,235, Cl. 60-452.000.

Moon, Seaton; and Bergene, Mark A., 4,878,559, Cl. 180-244.000.

Myers, Thomas W.; and Jacobson, Earl C., 4,799,706, Cl. 280-504.000.

Neebel, Dennis R., 4,823,868, Cl. 165-178.000.

Neumeyer, Lowell H., 4,831,945, Cl. 111-73.000.

Nusbaum, David B.; and Mayfield, Robert L., 4,840,604, Cl. 464-176.000.

Oka, Ken K., 4,840,020, Cl. 56-15.200.

Olson, Jay H., 4,843,983, Cl. 111-174.000.

Patterson, Jon M.; and Brown, Douglas P., 4,880,160, Cl. 239-167.000.

Peterson, Willard E., Jr.; and Bierl, James F., 4,842,077, Cl. 172-599.000.

Phillips, David L.; and Smith, Larry N., 4,866,917, Cl. 56-7.000.

Rettig, Vernon E.; Steilen, Ronald M.; and Postal, Jeffrey J., 4,800,964, Cl. 172-711.000.

Schmid, Steven L.; Hining, Larry D.; and O'Toole, Frank K., 4,817,728, Cl. 172-273.000.

Schmid, Steven L.; and Hining, Larry D., 4,825,570, Cl. 37-231.000.

Schmidt, Randy P.; Brandau, Steven G.; Miller, James A.; and Stephenson, Dwight B., 4,821,514, Cl. 60-452.000.

Schwarz, Reinhard, Stuhrmann, Heinz; and Nobis, Dieter, 4,802,384, Cl. 74-745.000.

Smemo, Alfred S.; Paisley, Daniel J.; and Baskerville, Gary L., 4,819,755, Cl. 180-70.100.

Smith, James R., 4,821,624 Cl. 91-401.000.

Smith, Timothy M., 4,804,087, Cl. 206-335.000.

Stephenson, Roger D.; Walters, James C.; and Richardson, Craig A., 4,805,927, Cl. 172-47.000.

Stettler, Werner, Jr., 4,867,010, Cl. 74-710.500.

Stevens, Phillip E., 4,867,245, Cl. 172-311.000.

Swartzendruber, James A.; Thompson, Warren L.; and Peck, Donald R., 4,844,173, Cl. 172-595.000.

Teijido, Joseph A.; Cook, Charles E.; and Roe, Dennis M., 4,843,803, Cl. 56-14.600.

Trumbauer, David V.; and Seeley, Alan E., 4,844,141, Cl. 164-15.000.

Turner, Alec F., 4,825,815, Cl. 123-41.490.

Turner, Reed J.; and Coers, Bruce, 4,821,744, Cl. 130-27.0HF.

Turner, Reed J.; Peters, Loren W.; Wilson, John E.; and Bennett, Robert E., 4,875,891, Cl. 460-110.000.

Van Natta, Terry L.; and Hartwig, Donald R., 4,796,550, Cl. 111-87.000.

Viaud, Jean; and Gunther, Daniel, 4,798,044, Cl. 56-341.000.

Wanie, Lee J.; Behrens, Robert N.; DeBraal, Stanley J.; and Bedis, Michael, 4,883,137, Cl. 180-5.340.

Webber, Jerry D.; Olson, Jay H.; and Gallens, Richard F., 4,836,412, Cl. 221-211.000.

Wellman, Stanley P., 4,800,811, Cl. 100-5.000.

Wellman, Stanley P. 4,843,804, Cl. 56-16.400.

White, Gregory S., and Erickson, William E., 4,825,957, Cl. 172-126.000.

Williams, Brian D., 4,821,401, Cl. 29-568.000.

Winter, David C., 4,817,730, Cl. 172-328.000.

Winter, David C., 4,821,806, Cl. 172-4.000.

Ziegler, Duane H.; Kerckhove, Dennis A.; Hansen, Jerry W.; and Denning, Barry K., 4,838,010, Cl. 56-10.200.

Deerfield, Alan J.; and Siu, Sun-Chi, to Raytheon Company. Method and apparatus for addressing a memory by array transformations. 4,819,152, 4-4-89, Cl. 364-200.000.

Deering, Michael F., to Schlumberger Systems and Services, Inc. Video stream processing frame buffer controller. 4,800,431, 1-24-89, Cl. 358-160.000.

Deering, Michael F., to Schlumberger Technologies, Inc. Image correlation system. 4,864,629, 9-5-89, Cl. 382-34.000.

Deering, Michael F., to Schlumberger Systems, Inc. 3-D graphics display system using triangle processor pipeline. 4,885,703, 12-5-89, Cl. 364-522.000.

Deering, Michael F.: *See—*

Tenenbaum, Jay M.; and Deering, Michael F., 4,817,175, Cl. 382-41.000.

Deerwester, Scott C.; Dumais, Susan T.; Furnas, George W.; Harshman, Richard A.; Landauer, Thomas K.; Lochbaum, Karen E.; and Streeter, Lynn A., to Bell Communications Research, Inc. Computer information retrieval using latent semantic structure. 4,839,853, 6-13-89, Cl. 364-900.000.

Dees, Dennis W.: *See—*

Fee, Darrell C.; Poeppel, Roger B.; Easler, Timothy E.; and Dees, Dennis W., 4,877,506, Cl. 204-242.000.

Dees, Martin, Jr.; Dorsey, William C.; and Stewart, Arlene J. G., to Armstrong World Industries, Inc. Decorative surface coverings. 4,816,319, 3-28-89, Cl. 428-167.000.

Dees, Martin, Jr.: *See—*

Davey, Raymond G.; and Dees, Martin, Jr., 4,797,314, Cl. 428-167.000.

Deeslie, William D.: *See—*

Greenberg, Norman A.; Chandan, Ramesh C.; Deeslie, William D.; and Conolly, Daniel D., 4,840,813, Cl. 426-565.000.

Deeze, Inc.: *See—*

Stromberger, Thomas; Freeland, Douglas; and Freeland, Dwain, 4,881,472, Cl. 110-186.000.

Defago, Raymond: *See—*

Sutterlin, Wolfgang; and Defago, Raymond, 4,880,433, Cl. 8-182.000.

Defalco, Ralph: *See—*

Darnell, James; and Defalco, Ralph, 4,834,000, Cl. 108-51.100.

deFasselle, Robert J.: *See—*

Barrett, John P.; Schulz, Daniel R.; Kent, David E.; deFasselle, Robert J.; and Zega, Henry E., 4,870,986, Cl. 137-119.000.

Defaye, Jacques; Gadelle, Andree; and Pedersen, Christian, to Beghin-Say S.A. Process for cyclo-dehydrating ketoses, obtained anhydrides and their use as food additives. 4,861,871, 8-29-89, Cl. 536-18.100

de Fazekas, Josef P.: *See—*

Cooper, Herbert E.; de Fazekas, Josef P.; and Smith, E. Dallas, 4,878,691, Cl. 280-189.000.

DeFazio, John J.; and McNamara, Timothy G., to International Business Machines Corporation. High performance clock system error detection and fault isolation. 4,800,564, 1-24-89, Cl. 371-61.000.

De Fazio, Thomas L, to Charles Stark Draper Laboratory, Inc., The. Flexible grinding disk and grinding method. 4,809,467, 3-7-89, Cl. 51-358.000.

De Fazio, Thomas L., to Charles Stark Draper Laboratory, Inc., The. Remote center compliance device with fully or partially coil-bound springs. 4,848,757, 7-18-89, Cl. 267-150.000.

Defendini, Francis: *See—*

Arribart, Herve; Padoy, Christian; Dugast, Alain; Armond, Michel; Defendini, Francis; and Desbat, Bernard, 4,844,591, Cl. 350-357.000.

Defendorf, James: *See—*

Burns, Richard; Defendorf, James; King, Edward; and McCarthy, Cornelius, 4,875,773, Cl. 356-328.000.

Defense Research Technologies, Inc.: *See—*

Holmes, Allen B., 4,862,837, Cl. 123-23.000.

DeFerrari, Howard F.: *See—*

Smits, Paul; Rosenfeld, Aron M.; and DeFerrari, Howard F., 4,837,061, Cl. 428-40.000.

de Ferron, Gerard S., to Thomson Composants Militaires et Spaciaux. Safety device for electrically programmable read-only memory. 4,811,291, 3-7-89, Cl. 365-185.000.

de Ferron, Gerard S.; and Fruhauf, Serge, to Thomson Semiconducteurs. MOS technology voltage switch-over circuit. 4,835,423, 5-30-89, Cl. 307-584.000.

de Ferron, Gerard S.; and Gaultier, Jean Marie, to Eurotechnique. Device for neutralizing the access to an integrated-circuit zone to be protected. 4,851,894, 7-25-89, Cl. 357-51.000.

DeFevere, Dennis C.: *See—*

Snyder, Wayne L.; DeFevere, Dennis C.; Steranka, Frank M.; and Tu, Chin-Wang, 4,864,369, Cl. 357-17.000.

Deffayet, Jean, to Thomson-Brandt Armements. High penetration anti-runway bomb. 4,876,963, 10-31-89, Cl. 102-387.000.

Deffner, Felix: *See—*

Alt, Claus-Christian; Gobel, Rudolf; Koch, Heinz; Niechoj, Wolfgang; Grossmann, Theodor; and Deffner, Felix, 4,877,258, Cl. 277-212.0FB.

Deffner, Gary W.; and Goldberg, Thomas R., to Ampex Corporation. Adjustable control lever. 4,841,800, 6-27-89, Cl. 74-531.000.

Defibaugh, George R.; and Ohl, William C., to AMP Incorporated. Staple cable strain relief. 4,842,547, 6-27-89, Cl. 439-460.000.

de Figueiredo, Joe L.: *See—*

Flynn Tom S.; and de Figueiredo, Joe L., 4,872,920, Cl. 134-21.000.

DeFilippi, Louis J.: *See—*

Calcaterra, Lidia T.; DeFilippi, Louis J.; Childs, Michael E.; and Latos, Edwin J., 4,810,567, Cl. 428-224.000.

De Filippi, Quinto. Refuse vehicle. 4,877,366, 10-31-89, Cl. 414-517.000.

DeFilippis, Tullio N. G.: *See—*

Colotti, James J.; and DeFilippis, Tullio N. G., 4,796,030, Cl. 342-40.000.

DeFino, John M.; and Shields, Neal G., to Specific Cruise Systems, Inc. Automobile intruder alarm system. 4,866,417, 9-12-89, Cl. 340-429.000.

Deflecta-Shield Corporation: *See—*

Bonstead, Douglas L.; Mastin, Ronald D.; and Langren, Carl W., 4,846,522, Cl. 296-91.000.

de fontenay, Etienne, to Kleber Industrie. Vibration isolation apparatus. 4,834,350, 5-30-89, Cl. 267-140.100.

DeFonzo, Alfred P., to United States of America, Air Force. Opto-electronic vivaldi transceiver. 4,855,749, 8-8-89, Cl. 343-767.000.

DeForrest, Allen L., to United States of America, Air Force. Compact focal plane precision positioning device and method. 4,819,340, 4-11-89, Cl. 33-613.000.

DeForrest, John E.: *See—*

Aguillen, Domingo V., Jr.; Casares, Pete P.; DeForrest, John E.; Green, Kevin C.; Kavanagh, Rocque A.; Wilkinson, Bryan; Marks, Marc K.; and Zuniga, Gerardo, 4,796,347, Cl. 29-280.000.

DeForrest, Sr., William. Shackle protector. 4,879,889, 11-14-89, Cl. 70-56.000.

DeForrest, William, Sr. Lock having a reversible right and left hand bolt. 4,798,065, 1-17-89, Cl. 70-129.000.

DeForrest, William, Sr. Protecting device for lever handle door locks. 4,798,069, 1-17-89, Cl. 70-428.000.

DeForrest, William, Sr. Self protecting hasp. 4,852,920, 8-1-89, Cl. 292-205.000.

DeForrest, William, Sr. Multi-purpose lock bolt. 4,861,079, 8-29-89, Cl. 292-148.000.

DeForrest, William, Sr Protected sliding bolt locking structure. 4,877,275, 10-31-89, Cl. 292-148.000.

DeFosse, Gerard: *See—*

Manoury, Philippe; Binet, Jean; and DeFosse, Gerard, 4,820,710, Cl. 514-272.000.

Manoury, Philippe; Rossey, Guy; Binet, Jean; DeFosse, Gerard; and Jabri, Najib, 4,857,536, Cl. 514-322.000.

- Defourny, Jacques: *See—*
  - Bragard, Adolphe; Halleux, Jacques; Terreur, Frederic; and Defourny, Jacques, 4,806,731, Cl. 219-121.690.
- deFraine, Paul: *See—*
  - Anthony, Vivienne M.; Clough, John M.; deFraine, Paul; Godfrey, Christopher R. A.; Crowley, Patrick J.; and Anderton, Kenneth, 4,826,531, Cl. 71-94.000.
  - Anthony, Vivienne M.; Clough, John M.; de Fraine, Paul; Godfrey, Christopher R. A.; and Beautement, Kevin, 4,863,503, Cl. 71-90.000.
  - Anthony, Vivienne M.; Clough, John M.; DeFraine, Paul; and Godfrey, Christopher R. A., 4,876,264, Cl. 514-345.000.
- de Fraine, Paul J.: *See—*
  - Anthony, Vivienne M.; Clough, John M.; Godfrey, Christopher R. A.; and de Fraine, Paul J., 4,812,162, Cl. 71-90.000.
  - Clough, John M.; Godfrey, Christopher R. A.; de Fraine, Paul J.; and Snell, Brian K., 4,883,807, Cl. 514-427.000.
- de Framond, Remy: *See—*
  - Senillou, Claude; de Framond, Remy; Garnier, Marcel; Yavari, Ali R.; and Joud, Jean-Charles, 4,858,675, Cl. 164-503.000.
- Defrance, Alain, to Delachaux SA. Process for the production of chromium-aluminum balls for adding chromium into molten aluminum baths. 4,820,483, 4-11-89, Cl. 419-23.000.
- Defrance, Andre; and Hauer, Jean-Claude, to Pont-A-Mousson S.A. Manhole assembly with T-shaped hinge. 4,840,514, 6-20-89, Cl. 404-25.000.
- Defrancesco, Gregory L., to United Technologies Corporation. Filtered environmental control system. 4,829,775, 5-16-89, Cl. 62-90.000.
- DeFrancesco, Robert A.: *See—*
  - Knight, John D.; Shapiro, Robert D.; Banks, Frank H.; Mitchell, Andrew; Sunray, Barry S.; and DeFrancesco, Robert A., 4,845,486, Cl. 340-618.000.
- Defranceski, Peter: *See—*
  - Hacker, Hans-Eugen; and Defranceski, Peter, 4,866,821, Cl. 28-141.000.
- De Franco, Michael D.: *See—*
  - Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,807,629, Cl. 128-419.0PG.
  - Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,813,421, Cl. 128-633.000.
- Defranould, Philippe; and Verroust, Marc, to Thomson-CSF. Method for the elimination of spurious echos in electro-acoustic delay lines using bulk waves and delay line applying this method. 4,821,004, 4-11-89, Cl. 333-143.000.
- DeFreez, Richard K.; Elliott, Richard A.; and Puretz, Joseph, to Oregon Graduate Center. Two-dimensional phase-locked surface emitting semiconductor laser array. 4,796,269, 1-3-89, Cl. 372-50.000.
- DeFreez, Richard K.; Elliott, Richard A.; and Puretz, Joseph, to Oregon Graduate Center. Longitudinally coupled surface emitting semiconductor laser array. 4,797,892, 1-10-89, Cl. 372-50.000.
- De Freitas, Anthony S. W.; McCulloch, Archibald W.; and McInnes, Alister G., to Canadian Patents and Development Limited. Recovery and purification of silica. 4,885,149, 12-5-89, Cl. 423-339.000.
- de Freitas Couto Rosa, Eduardo; and Smith, Gaylord D., to Inco Alloys International, Inc. Aircraft exhaust valves. 4,867,116, 9-19-89, Cl. 123-18[illegible].0AA.
- De Frenza, Giuseppe: *See—*
  - Pietrantonio, Michael; and De Frenza, Giuseppe, 4,858,086, Cl. 362-123.000.
- Deftos, Leonard J.; and Hostetler, Karl Y., to University of California, Regents of. Liposome-calcitonin preparation. 4,837,380, 6-6-89, Cl. 424-450.000.
- de Gabrielli, Olivier: *See—*
  - Menet, Jacques; and de Gabrielli, Olivier, 4,886,992, Cl. 313-153.000.
- Degani, Iacopo; Fochi, Rita; and Regondi, Valeria, to Consiglio Nazionale Delle Ricerche. Process for preparing trithiocarbonic acid diesters. 4,868,322, 9-19-89, Cl. 558-243.000.
- Degauque, Pierre: *See—*
  - Heddebaut, Marc; Mainardi, Pierre; Degauque, Pierre; and Duhot, Denis, 4,873,531, Cl. 343-711.000.
- Degawa, Takashi: *See—*
  - Ito, Toshikazu; and Degawa, Takashi, 4,852,798, Cl. 237-2.00A.
- Degawa, Toru: *See—*
  - Ototani, Tohei; Degawa, Toru; Kusumoto, Kenichi; and Ebata, Makoto, 4,820,485, Cl. 420-78.000.
- Dege, Howard C.; and Gilmore, Paul R., to Du Pont de Nemours, E. I., and Company. Swing limit apparatus for cargo box doors. 4,889,372, 12-26-89, Cl. 292-218.000.
- deGeest, Charles E., Jr., to Heraeus Amersil, Inc. Mass transferable semiconductor substrate processing and handling full shell carrier (boat). 4,841,906, 6-27-89, Cl. 118-500.000.
- Degeeter, Robert L.; and Knell, Harvey A., to Caterpillar Inc. Coupling apparatus. 4,854,813, 8-8-89, Cl. 414-723.000.
- de Gelder, Jacob; and Anderson, J. Becker, to Reynolds/Leteron, Co. Apparatus and method for cutting indicia from tape. 4,867,056, 9-19-89, Cl. 101-19.000.
- de Gelder, Jacob: *See—*
  - Anderson, J. Becher; and de Gelder, Jacob, 4,823,953, Cl. 206-408.000.
- Degelmann, Paul G., to Cooper Industries, Inc. Light diffuser mounting system. 4,851,979, 7-25-89, Cl. 362-290.000.
- Degelmann, Paul G., to Cooper Industries, Inc. Grid suspension system for fluorescent troffers. 4,860,180, 8-22-89, Cl. 362-150.000.
- Degen, Hans-Juergen; Bermes, Rudolf; and Pfohl, Sigberg, to BASF Aktiengesellschaft. Liquid black dye mixture. 4,804,387, 2-14-89, Cl. 8-641.000.
- Degen, Hans-Juergen; Pfohl, Sigberg; Weberndoerfer, Volkmar; Rehmer, Gerd; Kroener, Michael; and Stange, Andreas, to BASF Aktiengesellschaft. Production of paper and paperboard of high dry strength. 4,818,341, 4-4-89, Cl. 162-168.200.
- Degen, Hans-Juergen; Reichel, Fritz; Riebeling, Ulrich; and Hoehr, Lothar, to BASF Aktiengesellschaft. Sizing agents for paper based on finely divided aqueous dispersions. 4,835,212, 5-30-89, Cl. 524-734.000.
- Degen, Hans-Juergen; Reichel, Fritz; Riebeling, Ulrich; and Hoehr, Lothar, to BASF Aktiengesellschaft. Paper size based on finely divided aqueous dispersions. 4,855,343, 8-8-89, Cl. 524-47.000.
- Degen, Klaus D.: *See—*
  - Kilb, Manfred; and Degen, Klaus D., 4,882,242, Cl. 429-154.000.
- Degen, Peter J.; and Gsell, Thomas C., to Pall Corporation. Method of making a supported microporous membrane. 4,826,642, 5-2-89, Cl. 264-45.300.
- Degen, Peter J.; and Harwood, Colin F., to Pall Corporation. Fluid filter element with an overlapped wrap. 4,882,056, 11-21-89, Cl. 210-490.000.
- Degen, Peter J.: *See—*
  - Gsell, Thomas C.; Salinaro, Richard F.; and Degen, Peter J., 4,886,836, Cl. 521-53.000.
  - Joffee, Irving B.; Degen, Peter J.; and Baltusis, Frederick A., 4,855,163, Cl. 427-244.000.
  - Matkovich, Vlado I.; Martin, Jerold; and Degen, Peter J., 4,797,259, Cl. 422-101.000.
  - Matkovich, Vlado I.; and Degen, Peter J., 4,828,386, Cl. 356-246.000.
  - Pall, David B., Degen, Peter J.; Matkovich, Vlado I.; and Gsell, Thomas C., 4,861,617, Cl. 427-2.000.
  - Rothman, Isaac; and Degen, Peter J., 4,837,162, Cl. 436-531.000.
- Degenhardt, Charles R.; and Charbonneau, Duane L., to Procter & Gamble Company, The. Antimicrobial agents and process for their manufacture. 4,820,698, 4-11-89, Cl. 514-102.000.
- Degenhardt, Charles R.; and Kozikowski, Barbara A., to Procter & Gamble Company, The. Oral compositions. 4,877,603, 10-31-89, Cl. 424-57.000.
- Degenhardt, Charles R.: *See—*
  - Benedict, James J.; Degenhardt, Charles R.; and Poser, James W., 4,830,847, Cl. 424-1.100.
- DeGeorge, Isabella, executrix: *See—*
  - Carr, Dale D.; and DeGeorge, Nicholas, deceased, 4,826,633, Cl. 252-56.00S.
- DeGeorge, Nicholas, deceased: *See—*
  - Carr, Dale D.; and DeGeorge, Nicholas, deceased, 4,826,633, Cl. 252-56.00S.
- Deger, Hans M.: *See—*
  - Franz, Raimund; Deger, Hans M.; and Schlingmann, Merten, 4,847,372, Cl. 536-127.000.
- Deger, Hans-Matthias: *See—*
  - Thiem, Joachim; Deger, Hans-Matthias; Fritsche-Lang, Wolfram; and Kreuzer, Matthias, 4,803,263, Cl. 536-18.600.
- Degesch GmbH: *See—*
  - Doernemann, Manfred; and Reif, Helmut, 4,814,154, Cl. 423-299.000.
  - Dornemann, Manfred, 4,853,241, Cl. 426-320.000.
- Deghenghi, Romano; and Immer, Hans U., to Advanced Peptide Development, Ltd. Synthetic natriuretic peptides. 4,824,937 4-25-89, Cl. 530-326.000.
- De Giorgi, Marco: *See—*
  - Re, Alberto; and De Giorgi, Marco, 4,849,493, Cl. 528-70.000.
  - Re, Alberto; and De Giorgi, Marco, 4,863,986, Cl. 524-197.000.
- DeGiovanni, Andy: *See—*
  - Petrossian, Ashot; and DeGiovanni, Andy, 4,806,484, Cl. 435-311.000.
- De Glanville, Derek R.: *See—*
  - Francis, Timothy D.; and De Glanville, Derek R., 4,844,459, Cl. 273-55.00R.
- Deglin, Richard N.: *See—*
  - Frimmel, James J., Jr.; Ouellette, Thomas; Deglin, Richard N.; and Potter, Lester A., 4,829,514, Cl. 370-58.000.
  - Frimmel, James J., Jr.; Ouellette, Thomas; and Deglin, Richard N., 4,875,157, Cl. 364-200.000.
- Deglise, Rene , to Ipatec S.A. Process and apparatus for filling containers under vacuum. 4,798,039, 1-17-89, Cl. 53-432.000.
- Degnan, Thomas F.; Morrison, Roger A.; and Valyocsik, Ernest W., to Mobil Oil Corp. Production of high viscosity index lubricating oil stock. 4,869,806, 9-26-89, Cl. 208-111.000.
- Degnan, Thomas F.: *See—*
  - Angevine, Philip J.; Chu, Pochen; Degnan, Thomas F.; and Kirker, Garry W., 4,834,869, Cl. 208-213.000.
  - Chen, Nai Y.; Degnan, Thomas F.; and Weisz, Paul B., 4,803,186, Cl. 502-66.000.
  - Chen, Nai Y.; Degnan, Thomas F.; and McCullen, Sharon B., 4,861,932, Cl. 585-412.000.
  - Chen, Nai Y.; and Degnan, Thomas F., 4,882,039, Cl. 208-120.000.
- Degnan, Thomas F., Jr.; and Varghese, Philip, to Mobil Oil Corporation. Process for catalytic conversion of lube oil bas stocks. 4,853,104, 8-1-89, Cl. 208-61.000.
- Degnan, Thomas F., Jr., to Mobil Oil Corp. Method for increasing the hydrocarbon sorption capacity of a zeolite. 4,863,885, 9-5-89, Cl. 502-86.000.
- Degnan, Thomas F., Jr.; and Dessau, Ralph M., to Mobil Oil Corporation. Operation of an internal combustion engine with a pre-engine reformer. 4,884,531, 12-5-89, Cl. 123-3.000.
- Degnan, Thomas F., Jr.: *See—*
  - Angevine, Philip J.; Degnan, Thomas F., Jr.; and Landis, Michael E., 4,812,228, Cl. 208-251.00H.
- Degnan, Thomas F., Sr.: *See—*
  - Chen, Nai Y.; and Degnan, Thomas F., Sr., 4,862,836, Cl. 123-3.000.
- Degner, Dieter; Gramlich, Walter; and Hannebaum, Heinz, to BASF Aktiengesellschaft. Novel benzaldehyde derivatives, their preparation, and their use. 4,814,510, 3-21-89, Cl. 568-425.000.
- Degner, Dieter; Gramlich, Walter; Lanzendoerfer, Franz; and Siegel, Hardo, to BASF Aktiengesellschaft. Novel benzaldehyde dialkyl acetals and preparation and use thereof. 4,820,389, 4-11-89, Cl. 204-78.000.
- Degner, Dieter; Gramlich, Walter; Lengsfeld, Wolfgang; and Schuster, Ludwig, to BASF Aktiengesellschaft. Prepartion of 4-isopropylcyclohexylmethanol and its alkyl ethers. 4,847,425, 7-11-89, Cl. 568-579.000.
- Degobert, Paul; Goldenberg, Emmanuel; Nadaud, Yvon; and Molinier, Michel, to Institut Francais du Petrole. Rapid-response method and devices for detection of poor combustion. 4,796,590, 1-10-89, Cl. 123-489.000.
- de Goncourt, Louis; and Sayers, Kenneth H., to Bertin & CIE. Vehicle suspension assembly. 4,854,606, 8-8-89, Cl. 280-699.000.
- de Goncourt, Louis, to Bertin & Cie. Connection devices for spring suspension leaves of a vehicle and method for installing said devices. 4,869,472, 9-26-89, Cl. 267-52.000.
- Degonde, Michel G., to Automobiles Peugeot; and Automobiles Citroen. Device for correcting the angle of attitude of an automotive vehicle. 4,832,149, 5-23-89, Cl. 180-141.000.
- DeGood, Randall K., to Effective Flow Ideas, Inc. Live roller conveyor apparatus. 4,832,184, 5-23-89, Cl. 198-781.000.
- DeGooyer, Lonnie C. Spacers made of foamed polymeric material and method of using same in laying tile. 4,862,668, 9-5-89, Cl. 52-747.000.
- Degott, Pierre: *See—*
  - Armand, Michel; Fouletier, Mireille; and Degott, Pierre, 4,803,249, Cl. 525-326.200.
- De Graaf, Rudolf G.: *See—*
  - In Den Kleef, Josephus J. E.; Groen, Johannes P.; and De Graaf, Rudolf G., 4,870,361, Cl. 324-309.000.
- de Graaf, Stephanus A. G.: *See—*
  - Valkenburg, Brand C.; de Graaf, Stephanus A. G.; Bohler, Joachim; and Vollbrecht, Rolf, 4,851,277, Cl. 428-167.000.
- de Graaff, Willem T.: *See—*
  - Coleman, Samuel L.; and de Graaff, Willem T., 4,868,961, Cl. 29-33.00Q.
- Degraeve, Francois: *See—*
  - Bidon, Jacques; and Degraeve, Francois, 4,848,481, Cl. 172-7.000.
- deGraft-Johnson, Joseph; Ma, Chi; and Wells, Richard R. L., to Olin Hunt Specialty Products Inc. Charge director composition for liquid toner formulations. 4,869,991, 9-26-89, Cl. 430-115.000.
- DeGrave, Gilbert F., to Eastman Kodak Company. Process for manufacturing a grain chill roller. 4,875,262, 10-24-89, Cl. 29-121.800.
- DeGraw, Joseph I.: *See—*
  - Berger, Frank M.; DeGraw, Joseph I.; and Johnson, Howard L., 4,816,491, Cl. 514-718.000.
  - Colwell, William T.; and DeGraw, Joseph I., 4,818,753, Cl. 514-155.000.
- DeGree, David C.; Fick, Herbert J.; and Juenger, Bruce H., to Bergquist Company, The. Thermally conductive, electrically insulative laminate. 4,810,563, 3-7-89, Cl. 428-209.000.
- DeGree, David C.; Humphrey, Dallas R.; Bergquist, Carl R.; and West, Roger A., to Bergquist Company, The. Mounting base pad means for semiconductor devices and method of preparing same. 4,853,763, 8-1-89, Cl. 357-81.000.
- de Greef, Gerard: *See—*
  - Verduyn, Norbertus; and de Greef, Gerard, 4,833,879, Cl. 60-39.092.
- De Greef, Jan A., to De Greef's Wagen. High speed mechanical weighing system. 4,830,195, 5-16-89, Cl. 209-646.000.
- de Greef, Willem M., to Terpa Poultry B V. Method and an apparatus for transporting slaughter animals during slaughtering, packaging or otherwise processing said animals, in particular poultry. 4,856,144, 8-15-89, Cl. 17-24.000.
- Degremont: *See—*
  - Bernard, Jacques; and Rovel, Jean-Marie, 4,869,815, Cl. 210-151.000.
- Degremont, Jean C.: *See—*
  - Malizard, Max A.; and Degremont, Jean C., 4,883,412, Cl. 417-387.000.
- Degremont, S.A.: *See—*
  - Durot, Jean; and Nicol, Roger, 4,818,393, Cl. 210-197.000.
- DeGroff, Dale A.: *See—*
  - Hori, Roy Y.; Lazzeri, Mark A.; Miller, Clayton R.; DeGroff, Dale A.; and Dock, Ted L., 4,813,963, Cl. 623-23.000.
- de Groot, Paul: *See—*
  - Munier, Bernard; de Groot, Paul; Weisbuch, Claude; Moiroud, Guy; and Henry, Yves, 4,829,355, Cl. 357-30.000.
- deGroot, Peter F., to Bud Antle, Inc. Plant transfer mechanism. 4,854,802, 8-8-89, Cl. 414-404.000.
- deGroot, Peter F., to Bud Antle, Inc. Plant transfer mechanism. 4,869,637, 9-26-89, Cl. 414-404.000.
- DeGroot, Robert H.; Kropidoski, Robert; Walaszek, Frank; and Rivera, Jesus, Jr., to Packing Materials Corporation. Pallet and method of forming and securing pallet legs. 4,850,284, 7-25-89, Cl. 108-56.300.
- De Groot, Willibrordus T.: *See—*
  - Kopp, Heinz-Peter J.; Lammers, Jannes G.; van der Wolk, Jacob A.; and De Groot, Willibrordus T., 4,857,237, Cl. 260-409.000.
- De Gruijter, Wilhelmus A. E. M., to Angli Holding B.V. Electrically insulated pipe joint. 4,824,147, 4-25-89, Cl. 285-53.000.
- Degryse, Anne-Dominique A. Y.: *See—*
  - Ooms, Leo A. A.; and Degryse, Anne-Dominique A. Y., 4,874,766, Cl. 514-258.000.
- Degtev, Evgeny I.: *See—*
  - Fedorov, Svyatoslav N.; Pashinova, Nadezhda F.; Anisimov, Sergei I.; Degtev, Evgeny I.; Zakharov, Dmitry V.; Karavaev, Alexandr A.; Kiselev, Vladimir G.; Juzhelevsky, July A.; and Sokolov, Sergei V., 4,863,462, Cl. 623-6.000.
  - Fedorov, Svyatoslav N.; Soloviev, Sergei A.; Degtev, Evgeny I.; Ivashina, Albina I.; and Karavaev, Alexandr A., 4,884,569, Cl. 128-305.000.
- Deguchi, Hiroaki: *See—*
  - Iguchi, Isamu; Ohshima, Hirofumi; Deguchi, Hiroaki; and Tsuchida, Tsuyoshi, 4,831,978, Cl. 123-195.00H.
- Deguchi, Hiroyuki, to Mita Industrial Co., Ltd. Device for guiding paper toward transfer region. 4,882,606, 11-21-89, Cl. 355-274.000.
- Deguchi, Hiroyuki: *See—*
  - Kawai, Katsunori; Suzuki, Shinichi; Hattori, Mitsuhiro; and Deguchi, Hiroyuki, 4,856,292, Cl. 62-217.000.
- Deguchi, Hisashi: *See—*
  - Fukushima, Itaru; Okamoto, Takashi; and Deguchi, Hisashi, 4,878,065, Cl. 346-76.0PH.
- Deguchi, Katsuhiko: *See—*
  - Shiozaki, Ryozi; Kaji, Atsuhiko; Saijo, Hiroyuki; and Deguchi, Katsuhiko, 4,840,746, Cl. 252-174.250.
- Deguchi, Kozi: *See—*
  - Uchida, Shin-ichi; Deguchi, Kozi; and Sasaki, Masamitsu, 4,871,700, Cl. 502-51.000.
- Deguchi, Masanobu: *See—*
  - Mitsuyama, Akira; Yamagishi, Toshio; and Deguchi, Masanobu, 4,796,063, Cl. 355-133.000.
  - Nishijima, Masaru; Yamagishi, Toshio; and Deguchi, Masanobu, 4,814,817, Cl. 355-3.00R.
- Deguchi, Naoyasu; Kamei, Sadao; Goda, Kensuke; Shuto, Sadanobu; and Hayashi, Yasuhiro, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,886,738, 12-12-89, Cl. 430-510.000.
- Deguchi, Naoyasu: *See—*
  - Ihama, Mikio; Shuto, Sadanobu; Tani, Tadaaki; and Deguchi, Naoyasu, 4,828,972, Cl. 430-596.000.
- Deguchi, Noriaki: *See—*
  - Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
- Deguchi, Takenori; Suzuki, Masaru; Watanabe, Sanae; and Uchida, Kazuko, to Nisshin Steel Co., Ltd. Hot dip coated steel sheet and process for producing the same. 4,818,568, 4-4-89, Cl. 427-226.000.
- Deguchi, Takumi, to Nec Corporation. Phase shifter. 4,833,340, 5-23-89, Cl. 307-262.000.
- Deguchi, Tatsuya; and Mieno, Fumitake, to Fujitsu Limited. Method for fabricating bipolar-MOS devices. 4,879,255, 11-7-89, Cl. 431-59.000.
- Deguchi, Tetsuji: *See—*
  - Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tatsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, 4,861,409, Cl. 156-308.200.
- Deguchi, Toshihisa; Fujii, Yoshikazu; Inui, Tetsuya; Ohta, Kenji; and Katoh, Schoichi, to Sharp Kabushiki Kaisha. Optical head in an optical memory device. 4,881,216, 11-14-89, Cl. 369-54.000.
- Deguchi, Toshihisa: *See—*
  - Fujiwara, Tetsuo; Fuji, Hiroshi; Iwaki, Takashi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,843,604, Cl. 369-116.000.
  - Minami, Hisashi; Deguchi, Toshihisa; Nomura, Masaru; and Hyuga, Takao, 4,864,125, Cl. 250-231.0SE.
  - Nomura, Masaru; Deguchi, Toshihisa; and Terashima, Shigeo, 4,849,953, Cl. 369-46.000
  - Tsuji, Kentaro; Fujiwara, Tsuneo; Maeda, Shigemi; Yamaguchi, Taeshi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,868,922, Cl. 360-51.000.
  - Tsuji, Kentaroh; Maeda, Shigemi; Yamaguchi, Takeshi; Deguchi, Toshihisa; Sakamoto, Noriaki; and Terashima, Shigeo, 4,862,443, Cl. 369-59.000.
- Deguchi, Yoshikuni; Iwakiri, Hiroshi; Iwamoto, Kazunari; and Yonezawa, Kazuya, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Glycidyl compounds. 4,847,395, 7-11-89, Cl. 549-552.000.
- Deguchi, Yukichi: *See—*
  - Kobayashi, Hiroaki; and Deguchi, Yukichi, 4,831,112, Cl. 528-388.000.
  - Suzuki, Motoyuki; and Deguchi, Yukichi, 4,882,653, Cl. 361-323.000.
- Deguchi, Yutaka; Momohara, Hideo; Tsuchida, Yasuyuki; Ootani, Toshio; and Nakanishi, Yuji, to Sanyo Electric Co., Ltd. Electric fan. 4,832,576, 5-23-89, Cl. 417-45.000.
- De Guglielmi, Giorgio: *See—*
  - Chiavetta, Sebastiano R.; and De Guglielmi, Giorgio, 4,874,163, Cl. 272-53.200.
- Degusa Aktiengesellschaft: *See—*
  - Eiermann, Kurt; Goebel, Reiner; Gries, Peter; and Hohenstatt, Martin, 4,805,452, Cl. 73-204.260.

Degussa AG: *See—*

Drauz, Karl-Heinz; Kleeman, Axel; Prescher, Gunter; and Ritter, Gebhard, 4,825,011, Cl. 568-771.000.

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Manner, Reinhard; Schaefer, Hans; Voight, Carl; and Pfeifer, Wolf D., 4,853,190, Cl. 422-197.000.

Degussa Aktiengesellschaft: *See—*

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Boehm, Wolfgang; Hausselt, Juergen; Weise, Wolfgang; and Malikowsik, Willi, 4,797,328, Cl. 428-621.000.

Boehme, Georg; Hofen, Willi; Grund, Andreas; Petsch, Heinrich; and Prescher, Guenter, 4,849,532, Cl. 549-525.000.

Boneff, Stoyan, 4,830,342, Cl. 266-252.000.

Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,814,146, Cl. 422-179.000.

Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,859,428, Cl. 422-179.000.

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Dankowski, Manfred, 4,795,594, Cl. 260-502.00R.

Dankowski, Manfred; and Hofen, Willi, 4,874,556, Cl. 562-2.000.

Dankowski, Manfred; Lieser, Thomas; Prescher, Gunter; Leonhardt, Wolfgang; and Diehl, Manfred, 4,879,057, Cl. 252-99.000.

Deschler, Ulrich; Michel, Rudolf; Kleinschmit, Peter; and Wolff, Siegfried, 4,835,297, Cl. 556-427.000.

Deschler, Ulrich; Hellwig, Georg; Michel, Rudolf; Kleinschmit, Peter; and Wolff, Siegfried, 4,837,322, Cl. 544-209.000.

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Effenberger, Franz; Ziegler, Thomas; and Foerster, Siegfried, 4,859,784, Cl. 549-491.000.

Giesselmann, Gunter; Hartmann, Andreas; and Bruckner, Karl-Heinz, 4,846,935, Cl. 203-86.000.

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Griffiths, Andrew; and Norcross, Roy, 4,851,129, Cl. 210-695.000.

Groll, Werner; Steinke, Rudi; and Schiwiora, Harry, 4,806,306, Cl. 420-467.000.

Grund, Andreas; Prescher, Guenter; Boehme, Georg; Hofen, Willi; and Petsch, Heinrich, 4,855,465, Cl. 549-525.000.

Haeusler, Johannes, 4,886,908, Cl. 562-567.000.

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Heilmann, Paul; Preisser, Friedrich; and Schuster, Rolf, 4,867,808, Cl. 148-20.300.

Heilmann, Paul; Kalbfleisch, Fritz; Preisser, Friedrich; and Schuster, Rolf, 4,869,470, Cl. 266-250.000.

Heise, Wolfgang; Kell, Georg; and Schuster, Rolf, 4,870,256, Cl. 219-542.000.

Hinrichs, Walter; Hovestadt, Herbert; Lange, Ludwig; Ruppert, Kurt A.; and Splett, Erich, 4,857,665, Cl. 568-851.000.

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Hummel, Werner; Schutte, Horst; Kula, Maria-Regina; and Leuchtenberger, Wolfgang, 4,824,781, Cl. 435-146.000.

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Kiss, Akos; Kleinschmit, Peter; Hanich, Juergen; Halbritter, Guenter; and Horst, Jenny, 4,874,433, Cl. 106-450.000.

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Kleemann, Axel; Klostermann, Kurt; Leuchtenberger, Wolfgang; Moerck, Rudi E.; and Karrenbauer, Michael, 4,827,029, Cl. 562-559.000.

Klingle, Reinhard; and Manner, Reinhard, 4,877,595, Cl. 423-335.000

Kramer, Carl; and Grundmann, Reinhard, 4,817,300, Cl. 34-191.000.

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Lotze, Marion; and Kleinschmit, Peter, 4,889,769, Cl. 428-432.000.

Nauroth, Peter; Kuhlmann, Robert; Turk, Gunter; and Becker, Adam, 4,857,289, Cl. 423-339.000.

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Panster, Peter; Koenig, Karl-Heinz; Schopenhauer-Gehrmann, Elske; and Kleinschmit, Peter, 4,851,492, Cl. 528-9.000.

Panster, Peter; Grethe, Horst; and Kleinschmit, Peter, 4,855,470, Cl. 556-421.000.

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Schmidt, Manfred; Prescher, Guenter; Prescher, Gunter; and Kleemann, Axel, 4,845,252, Cl. 549-531.000.

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Siegmeier, Rainer; Grund, Andreas; Prescher, Gunter; and Brandt, Udo, 4,851,556, Cl. 549-525.000.

Stober, Reinhard; Fischer, Wolfgang; Huss, Michael; and Udluft, Klaus, 4,812,257, Cl. 252-182.320.

Stober, Reinhard; Kohn, Ellen; and Bischoff, Dietmar, 4,822,851, Cl. 525-61.000.

Wagner, Rudolf; Schiwiora, Harry; Stumke, Manfred; and Groll, Werner, 4,836,984, Cl. 420-464.000.

Weber, Karl L.; van Raemdonck, Edwin; Stutzel, Klaus; and Vingerhoets, Marcel, 4,849,517, Cl. 544-219.000.

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Degussa Aktiengesellschaft and Gesellschaft fur biotechnologische Forschung-mit beschrankter Haftung GBF: *See—*

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der Kinderen, Wilhelmus C., deceased; and De Haan, Friedrich J., administrator, 4,847,534, Cl. 313-628.000.

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De Haan, Hans H.: *See—*

Van Wezel, Antonius L., deceased; De Haan, Hans H.; and Vermeij, Stephan, 4,888,294, Cl. 435-316.000.

de Haan, Lammert; and Blok, Johan, to Minireef B.V. Aquarium receptacle comprising a water purification system. 4,844,013, 7-4-89, Cl. 119-5.000.

De Haan, Peter J.: *See—*

Daamen, Jacobus J. H. G.; De Haan, Peter J.; and Klip, Evert J., 4,838,972, Cl. 156-175.000.

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de Haas, Peter; Ehrich, Robert; and Joergensen, Reidar, to Borsig GmbH. Method of damping surges in reciprocating compressors. 4,801,245, 1-31-89, Cl. 417-53.000.

Dehaine, Gerard: *See—*

Fontan, Jacques; Kurzweil, Karel; and Dehaine, Gerard, 4,812,949, Cl. 361-386.000.

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Dehan, Louis, to Colgate-Palmolive Company. Hydroxy polycarboxylic acid built non-aqueous liquid cleaning composition and method for use, and package therefor. 4,886,615, 12-12-89, Cl. 252-90.000.

Dehan, Louis: *See—*

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Dehara, Masayoshi: *See—*

Yamanoi, Koyu; Yoshizakiya, Yoshio; and Dehara, Masayoshi, 4,802,168, Cl. 371-27.000.

DeHart, Anthony G., to Laser Photonics, Inc. Flexible light transmissive apparatus and method. 4,819,630, 4-11-89, Cl. 128-303.100.

DeHaven, Benjamin A. Satellite dish drive mechanism. 4,814,781, 3-21-89, Cl. 343-766.000.

DeHays, Richard N.: *See—*

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Mills, John B.; Peterson, Vicky J.; Young, Roger W.; Crouch, C. Jeremy; Schulz, Roman A.; Snyder, Irving F.; and DeHemmer, Larry J., 4,867,653, Cl. 417-360.000.

Dehganpour, Sam; and Pelley, Perry H., III, to Motorola, Inc. Address buffer circuit for a dram. 4,800,531, 1-24-89, Cl. 365-222.000.

Dehghanyar, Tejav J.: *See—*

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Dehli, Frank; and Lampl, Fritz, to Kraftanlagen AG. Device and process for cleaning a recirculation-type regenerative heat exchanger. 4,815,523, 3-28-89, Cl. 165-5.000.

Dehlinger, James R.: *See—*

Rigsby, Donald R.; Dehlinger, James R.; and Passmore, David A., 4,798,076, Cl. 72-352.000.

Dehm, David C.; and Lawson, H. Franklin, to Arco Chemical Company. Additives for water-base drilling fluid and process. 4,797,450, 1-10-89, Cl. 525-326.700.

Dehne, Axel G., to Hughes Aircraft Company. Cryogenic refrigerator employing counterflow passageways. 4,873,831, 10-17-89, Cl. 62-6.000.

Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, to BASF Aktiengesellschaft. Diaminopyridine azo dyes having acyloxy radicals substituted on the diaminopyridine. 4,855,412, 8-8-89, Cl. 534-766.000.

Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, to BASF Aktiengesellschaft. Heterocyclic azo dyes containing cyanothiophene derivatives as diazo components and diaminopyridines as coupling components. 4,855,413, 8-8-89, Cl. 534-766.000.

Dehnert, Peter R.: *See—*

Dehnert, Rudolf; and Dehnert, Peter R., 4,830,373, Cl. 273-58.0BA.

Dehnert, Rudolf; and Dehnert, Peter R. Soccer ball. 4,830,373, 5-16-89, Cl. 273-58.0BA.

Dehnke, Mary K.: *See—*

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Dehoff, William A.; Dehoff, Hugh T.; and Dehoff, Chris A., 4,834,929, Cl. 264-226.000.

DeHoff, Richard J.; and Hildebrandt, Peter W., to Tektronix, Inc. Cursor for use in 3-D imaging systems. 4,808,979, 2-28-89, Cl. 340-709.000.

Dehoff, William A.; Dehoff, Hugh T.; and Dehoff, Chris A., to 3D Manufacturing, Inc. Method of making molds. 4,834,929, 5-30-89, Cl. 264-226.000.

DeHont, Raymond J.: *See—*

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Dei, Katsuhito; Mita, Yoshinobu; Yoshida, Tadashi; and Kawamura, Naoto, to Canon Kabushiki Kaisha. Image data conversion system. 4,805,013, 2-14-89, Cl. 358-80.000.

Dei, Katsuhito, to Canon Kabushiki Kaisha. Image processing apparatus using pulse width modulation with improved sensitivity. 4,831,392, 5-16-89, Cl. 364-519.000.

Deibel, Robert H. Blending vessel for microbiological analyses. 4,822,174, 4-18-89, Cl. 366-279.000.

Deibele, Albert, Jr.: *See—*

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Deibele, Charles; and Deibele, Albert, Jr., to Household Utilities, Inc. Securing fastener for waterproof roof. 4,833,853, 5-30-89, Cl. 52-410.000.

Deibig, Heinrich: *See—*

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Deike, Horst; and Petersen, Erwin, to WABCO Westinghouse Fahrzeugbremsen GmbH. Differential pawl activation apparatus. 4,805,715, 2-21-89, Cl. 180-197.000.

Deike, Horst, to WABCO Westinghouse Fahrzeugbremsen GmbH. Activation apparatus for a differential pawl with an actuator. 4,819,511, 4-11-89, Cl. 74-711.000.

Deike, Karl-Heinz; Kiel, Bernd; and Konig, Heinz-Werner, to WABCO Westinghouse Fahrzeugbremsen GmbH. Pressure regulating valve. 4,817,660, 4-4-89, Cl. 137-116.000.

Deilbiss Company, The: *See—*

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Deimel, Peter: *See—*

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Deimen, James M.: *See—*

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Deiner, Hans; Sandner, Bernhard; Mosch, Franz; and Bernheim, Willy, to Ciba-Geigy Corporation. Process for obtaining wash-and cleaning resistant textile finishes with reactive perfluoroalkyl-containing (co) polymers and/or precondensates and a blocked isocyanate compound. 4,834,764, 5-30-89, Cl. 8-115.640.

Deininger, James M. Door stop. 4,831,688, 5-23-89, Cl. 16-119.000.

Deininger, Rolf: *See—*

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Deininger, William D.; and Gabriel, Stephen B., to California Institute of Technology. Luminal surface fabrication for cardiovascular prostheses. 4,869,714, 9-26-89, Cl. 600-36.000.

Deis, Daniel W.: *See—*

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Feichtiger, Dieter; Waschkitschek, Franz; Motting, Gotz; Munsinger, Walter; and Deischl, Hans, 4,815,306, Cl. 70-240.000.

Robitschko, Peter; Claar, Klaus; Deischl, Hans; and Schumacher, Josef, 4,887,065, Cl. 340-430.000.

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Deitchman, Walter H.; and Pearson, Gaylord R., to Pearson and Deitchman Research and Dev. Co., Inc. Method and apparatus for brake application. 4,838,617, 6-13-89, Cl. 303-6.100.

de Jaeger, Nikolaas C. J.; Monbaliu, Marcel J.; Noppe, Marcus J. M.; and Konings, Frank J., to Janssen Pharmaceutica N.V. Immunoassay using colorable latex particles. 4,837,168, 6-6-89, Cl. 436-533.000.

de Jaeger, Roger: *See—*

Chambrette, Jean-Paul; de Jaeger, Roger; and Potin, Philippe, 4,810,480, Cl. 423-300.000.

Dejaegher, Daniel, to U.S. Philips Corporation. Frequency-modulated continuous wave radar for range measuring. 4,825,214, 4-25-89, Cl. 342-128.000.

DeJager, Donald; and Kessler, David, to Eastman Kodak Company. Optical scanner. 4,796,962, 1-10-89, Cl. 350-6.800.

de Jager, Gui G., to Flexline Services Ltd. Method and apparatus for applying powdered materials to filaments. 4,839,199, 6-13-89, Cl. 427-185.000.

De Jager, Willem: *See—*

Seevinck, Evert; De Jager, Willem; and Buitendijk, Pieter, 4,853,645, Cl. 330-255.000.

Seevinck, Evert; De Jager, Willem; and Buitendijk, 4,857,861, Cl. 330-255.000.

Dejaiffe, Robert, to Potters Industries, Inc. Process for making lightweight body suitable for use as an additive in an article of manufacture. 4,810,675, 3-7-89, Cl. 501-31.000.

Dejaifve, Pierre E.; Darnanville, Jean-Paul; Dufour, Jacques J. J.; and Garin, Roland A. C., to Shell Oil Company. Dehydrogenation catalyst. 4,857,498, 8-15-89, Cl. 502-304.000.

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Dejon, Peter; and Spraul, Manfred, to Bruker Analytische Messtechnik GmbH. Test head for NMR spectrometer. 4,851,780, 7-25-89, Cl. 324-322.000.

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DeJong, Allan W.; and Perry, Paul D., to Siemens-Bendix Automotive Electronics Limited. Heater control valve. 4,874,010, 10-17-89, Cl. 137-484.400.

DeJong, Allan W., to Siemens-Bendix Automotive Electronics Limited. Heater control valve with flexible deflector. 4,878,514, 11-7-89, Cl. 137-110.000.

de Jong, Anno: *See—*

Boshagen, Horst; Stoltefuss, Jurgen; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,806,667, Cl. 556-424.000.

Ingendoh, Axel; Lindel, Hans; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,847,291, Cl. 514-524.000.

Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,845,262, Cl. 558-415.000.

Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,863,939, Cl. 514-357.000.

Lindel, Hans; Ingendoh, Axel; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,880,840, Cl. 514-645.000.

De Jong, Augustinus C. G.; and Schrederhof, Antonie, to U.S. Philips Corp. Fibre plates having coding fibres. 4,838,642, 6-13-89, Cl. 350-96.270.

de Jong, Bernardus W.: *See—*

Goertz, Jozef L. L.; and de Jong, Bernardus W., 4,822,137, Cl. 350-255.000.

De Jong, Cornelis L.: *See—*

Griffioen, Willem; and De Jong, Cornelis L., 4,850,569, Cl. 254-134.400.

De Jong, Feike; and Vermeule, Jacob, to Shell Oil Company. Phosphorylation of alcohols. 4,832,807, 5-23-89, Cl. 204-157.620.

De Jong, Feike: *See—*

Beverwijk, Christiaan D. M.; De Jong, Feike; and Sant, Peter, 4,873,004, Cl. 252-32.500.

de Jong, Hendrik E.; Swarthoff, Ton; and Haverkamp, Johan, to Lever Brothers Company. Enzymatic detergent composition. 4,824,599, 4-25-89, Cl. 252-174.120.

de Jong, Hendrik J.: *See—*

Hogen Esch, Johannes H. L.; and de Jong, Hendrik J., 4,847,592, Cl. 340-572.000.

De Jong, Henricus J. J. M., to U.S. Philips Corp. Electrodeless low-pressure discharge lamp having a straight exhaust tube fixed on a conical stem. 4,797,595, 1-10-89, Cl. 313-493.000.

de Jong, Jan; and van Wyk, Johan, to Level Construction Company (Proprietary) Limited. Building structures. 4,805,371, 2-21-89, Cl. 52-745.000.

de Jong, Johannes; and Perttula, Jouko, to Kone Elevator GmbH. Elevator brake. 4,805,741, 2-21-89, Cl. 188-1.110.

De Jong, Johannes: *See—*

Winkler, Hugo; and De Jong, Johannes, 4,819,765, Cl. 187-88.000.

DeJong, Krijn P., to Shell Oil Company. Catalyst and process for the preparation of the catalyst. 4,835,131, 5-30-89, Cl. 502-255.000.

De Jong, Krijn P.; Glezer, Johannes H. E.; and Post, Martin F. M., to Shell Oil Company. Supported metal catalysts and use thereof. 4,857,497, 8-15-89, Cl. 502-242.000.

de Jong, Michael; and DiMarco, Brian, to Siecor Corporation. Connector for optical fibers. 4,807,957, 2-28-89, Cl. 350-96.210.

deJong, Peter C.; Elicker, Robert W.; and Zola, Thomas J., to AMP Incorporated. Biased floating connector. 4,824,387, 4-25-89, Cl. 439-248.000.

DeJong, Richard G.: *See—*

Slattery, Duard G., Jr.; Sattinger, Stanley S.; and DeJong, Richard G., 4,825,712, Cl. 74-443.000.

De Jonge, Adriaan: *See—*

Engel, Wolfhard; Eberlein, Wolfgang; Mihm, Gerhard; Trummlitz, Gunter; Mayer, Norbert; and De Jonge, Adriaan, 4,873,236, Cl. 514-220.000.

DeJonge, Antonia R. Container collar dosage time indicator and container. 4,802,438, 2-7-89, Cl. 116-308.000.

DeJonge, Antonia R., to Primary Delivery Systems, Inc. Convertible childproof/non-childproof cap and container. 4,854,459, 8-8-89, Cl. 215-220.000.

de Jonge, Cornelis R. H. I.; Hoentjen, Gerrit; and Magre, Eduard P., to Akzo N.V. Aromatic amide groups-containing diamines and poly-

mers in which these diamines are incorporated. 4,851,562, 7-25-89, Cl. 560-19.000.
de Jonge, Hayo: *See*—
  Bos, Petrus J. H.; Engel, Dirk J. C.; and de Jonge, Hayo, 4,801,608, Cl. 515-503.000.
de Jongh, Hendrik P.; and van den Heuvel, Martinus J., to Akzo N.V. 18-phenyloestrane derivatives. 4,808,710, 2-28-89, Cl. 540-30.000.
de Jongh, Hendrik P.: *See*—
  Groen, Marinus B.; and de Jongh, Hendrik P., 4,871,724, Cl. 514-173.000.
De Jongh, Petrus F : *See*—
  Rau, Hans; and De Jongh, Petrus F., 4,877,938, Cl. 219-121.590.
Dejonghe, Gilbert: *See*—
  Maes, Dirk; Nuytten, Patrick; Cardoen, Marnick; Van Bogaert, Philippe; Verhulst, Jozef; Dejonghe, Gilbert; and Trioen, Jozef, 4,794,958, Cl. 139-435.000.
Dejonghe, Jean-Paul: *See*—
  Trouet, Andre; Dejonghe, Jean-Paul; Collard, Marie-Paule; and Rao, Bhushana K. S. P., 4,831,038, Cl. 514-283.000.
  Trouet, Andre B. L.; Bushana, Kandukuri S.; Hannart, Jean A. A.; and Dejonghe, Jean-Paul, 4,870,162, Cl. 530-363.000.
Dejonghe, Lutgard C.; Visco, Steven J.; Mailhe, Catherine C.; and Armand, Michel B., to United States of America, Energy. Metal-sulfur type cell having improved positive electrode. 4,833,048, 5-23-89, Cl. 429-104.000.
deKam, Cornelius T. Temperature controlled soldering iron with a unitary electrically heated soldering tip and thermocouple. 4,822,979, 4-18-89, Cl. 219-241.000.
Dekany, Gyula: *See*—
  Szilagyi, Imre; Dekany, Gyula; Frank, Judit; Horvath, Gabor; and Kulcsar, Gabor, 4,873,348, Cl. 549-271.000.
DeKay, Thomas J. Hook keeper fishing float. 4,817,327, 4-4-89, Cl. 43-43.100.
De Keyser, Andre; Naessens, Luc; and Vincent, Eddy, to Sprague Electric Company. Electro-nickel plating activator composition, a method for using and a capacitor made therewith. 4,806,159, 2-21-89, Cl. 106-111.000.
Dekeyser, Willy R. E.; and Marichael, Emiel R. L., to Ford New Holland, Inc. Bale length control for agricultural balers. 4,815,372, 3-28-89, Cl. 100-4.000.
De Keyzer, Rene M.; Pollet, Robert J.; and Vermeulen, Leon L., to Agfa-Gevaert, N.V. Diffusion transfer reversal process. 4,859,565, 8-22-89, Cl. 430-231.000.
De Keyzer, Rene M., to Agfa-Gevaert, N.V. Image-receiving material. 4,859,566, 8-22-89, Cl. 430-232.000.
Deki, Kyoichi, to Ushio Denki Kabushiki Kaisha. Hollow-cathode type metal vapor laser tube. 4,862,475, 8-29-89, Cl. 372-61.000.
Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, to Ushio Denki Kabushiki Kaisha. Metal vapor laser device stabilizing system. 4,866,722, 9-12-89, Cl. 372-33.000.
Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, to Ushio Denki Kabushiki Kaisha. Metal vapor laser device. 4,866,725, 9-12-89, Cl. 372-56.000.
Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, to Ushio Denki Kabushiki Kaisha. Metal vapor laser device. 4,868,840, 9-19-89, Cl. 372-56.000.
Dekker, Adrian: *See*—
  Litwinchuk, Alexander; Dura, Lowell E.; and Dekker, Adrian, 4,807,575, Cl. 123-90.550.
Dekker, David L., to Mount Isa Mines Limited. Method and apparatus for removing noise. 4,884,229, 11-28-89, Cl. 364-724.110.
Dekker, Donald A.; and Zandstra, Lawrence, to Rowe International, Inc. Compact bill acceptor. 4,887,808, 12-19-89, Cl. 271-181.000.
Dekker, Evert H. L. J., to U.S. Philips Corporation. Electronic component with wire connections. 4,797,788, 1-10-89, Cl. 361-540.000.
Dekker, Hendrikus J.; and Velthof, Johannes H. M., to AT&T and Philips Telecommunications B.V. Transmitter for ISDN S-bus interface circuit. 4,797,904, 1-10-89, Cl. 375-60.000.
Dekker, Martinus; Achten, Hubertus; and Heinemans, Lodewijk. Monitor device for a weft yarn store and a method of operating a weft yarn store. 4,848,417, 7-18-89, Cl. 139-452.000.
Dekker, Nicolaas M. J.; Edwards, John W.; and James, Adrian W., to General Electric Company, p.l.c., The. Active noise control. 4,876,722, 10-24-89, Cl. 381-71.000.
Dekker, Ted A.: *See*—
  Van Order, Kim L.; Dykstra, Steven P.; and Dekker, Ted A., 4,847,737, Cl. 362-137.000.
De Klerk, Graham: *See*—
  Du Bourg, Noel J.; and De Klerk, Graham, 4,826,017, Cl. 209-234.000.
De Koning, Stephanus H.; and Verwijmeren, Alexander, to U.S. Philips Corp. Amplifier with automatic gain control. 4,817,160, 3-28-89, Cl. 381-83.000.
De Koster, Eric H. C.: *See*—
  Vankerckhoven, Henk F. E.; and De Koster, Eric H. C., 4,869,957, Cl. 428-352.000.
De Kruif, Jack, to Allied-Signal Inc. Integral deflection washer compressor wheel. 4,872,817, 10-10-89, Cl. 417-407.000.
Dekura, Takateru; and Endo, Juro, to Hitachi Metals, Ltd.; and Maruwa Bussan K.K. Synthetic lubricant for lubricating thin film and magnetic recording medium. 4,871,625, 10-3-89, Cl. 428-695.000.
Dekura, Yoshinori; Momata, Kazuhiro; and Seto, Tokiyuki, to Hitachi, Ltd. Thin film magnetic head having Au ultrasonic connection structure. 4,796,132, 1-3-89, Cl. 360-113.000.
Del Air Systems Ltd.: *See*—
  Ee, Dirk V., 4,794,852, Cl. 98-118.000.
Del Laboratories, Inc.: *See*—
  Gordon, Harry W.; and Chung, Kenneth, 4,842,610, Cl. 8-160.000.
Del Mar Avionics: *See*—
  Kelen, George J., 4,883,065, Cl. 128-711.000.
  Sanctuary, Clifford; Amour, Sean; and Hsieh, Shao-Rong R., 4,813,877, Cl. 434-14.000.
Del-Met Corporation: *See*—
  Buerger, Michael H., 4,825,524, Cl. 29-159.00A.
Del Monte Corporation: *See*—
  Liu, Yuan K.; Kuhmichel, Philip A.; Cordes, Fred G.; and Wong, Wayman, 4,879,127, Cl. 426-325.000.
  Obrero, Faustino P.; and Schnitzler, Wilfred H., 4,834,790, Cl. 71-124.000.
  Obrero, Faustino P.; and Schnitzler, Wilfred H., 4,857,344, Cl. 426-308.000.
Del Monte Fresh Fruit Company: *See*—
  Bianco, Michael, 4,824,685, Cl. 426-418.000.
Del Norte Technology, Inc.: *See*—
  Parks, Stephen I., 4,821,023, Cl. 340-551.000.
Delaage, Michel: *See*—
  Morel, Anne; and Delaage, Michel, 4,818,683, Cl. 435-7.000.
De Labarthe, Benoit; Verret, Roland; and Prudhomme, Pierre. Device for covering or uncovering a surface by means of a cover. 4,832,104, 5-23-89, Cl. 160-343.000.
Delachaux SA: *See*—
  Defrance, Alain, 4,820,483, Cl. 419-23.000.
Delacroix-Chevalier: *See*—
  Couetil, Jean-Paul A., 4,829,985, Cl. 128-20.000.
Dela-Cruz, Exequiel: *See*—
  Nowacki, Christopher; Brisson, Alfred G.; and Dela-Cruz, Exequiel, 4,809,692, Cl. 128-206.240.
DeLacy, Thomas J., to Ford Aerospace & Communications Corporation. System for stabilizing dimensional properties of cured composite structures. 4,806,292, 2-21-89, Cl. 264-40.100.
de Laforcade, Hughes, to Microline Inc. Surgical apparatus. 4,877,02 10-31-89, Cl. 128-305.000.
de Laforcade, Vincent, to L'Oreal. Storage and dispensing device. 4,858,792, 8-22-89, Cl. 222-533.000.
de Laforcade, Vincent: *See*—
  Morane, Bruno; and de Laforcade, Vincent, 4,860,933, Cl. 222-402.130.
Delage, Germain: *See*—
  Combes, Gilles; and Delage, Germain, 4,797,027, Cl. 405-92.000.
Delagebeaudeuf, Daniel: *See*—
  Derewonko, Henri; Adam, Didier; Delagebeaudeuf, Daniel; and Resneau, Patrick, 4,872,049, Cl. 357-68.000.
Delagi, Richard G.: *See*—
  Trenkler, George; and Delagi, Richard G., 4,885,214, Cl. 428-614.000.
  Trenkler, George; Delagi, Richard G.; Padovani, Francois A.; and Winslow, Donald L., 4,890,083, Cl. 335-301.000.
Delahaye, Hubertus J. A. V.: *See*—
  Teunissen, Antonius J. J. M.; Klop, Willem; and Delahaye, Hubertus J. A. V., 4,880,929, Cl. 544-242.000.
Delahaye, Jean-Yves; and Vinson, Jean-Paul. Test bench for wideband radio link. 4,890,333, 12-26-89, Cl. 455-67.000.
Delahoy, Alan E., to Chronar Corp. Energy conversion structure. 4,849,029, 7-18-89, Cl. 136-249.000.
De Lain, Richard: *See*—
  Olesak, John; Bonkrud, Dennis D.; De Lain, Richard; and Barnes, William W., II, 4,810,991, Cl. 336-96.000.
Delaino, G. Thomas. Waterbed mattress corner accessory. 4,833,74 5-30-89, Cl. 5-504.000.
Delair, Jacques; and Peyret, Olivier, to General Electric CGR SA. X-ray tube with a molybdenum target. 4,876,705, 10-24-89, Cl. 378-144.000.
deLaire, Inc.: *See*—
  Santini, Thomas F., 4,809,912, Cl. 239-60.000.
Delaite, Richard C., to Etat Francais as represented by the Delega General pour l'Armement. Piezoelectric resonator with either minimal or extreme sensitivity to external pressure stresses. 4,814,0 3-21-89, Cl. 310-348.000.
Delaitre, Andre : *See*—
  Boucard, Jean; Delaitre, Andre ; Deliance, Jean; and Wiener, Andre , 4,867,035, Cl. 89-1.550.
Delalande, Francois; and Bon, Serge, to Compagnie Europeenne de Compasants Electroniques LCC. Winding wheel for high-temperature baking of stacked capacitors. 4,811,914, 3-14-89, Cl. 242-56.100.
Delalande S.A.: *See*—
  Platel, Alain Y.; Bourgery, Guy R.; and Guerret, Patrick G., 4,808,582, Cl. 514-212.000.
Delamare, Guy-Robert, to Institut Francais du Petrole. Resilient ball joint support. 4,856,827, 8-15-89, Cl. 285-268.000.
Delancey, Warren H.: *See*—
  Tallman, William R.; McDevitt, Steven C.; and Delancey, Warren H., 4,860,725, Cl. 126-110.00R.
DeLand, Daniel L., to Schmelzer Corporation. Quick connect fluid fitting assembly. 4,834,423, 5-30-89, Cl. 285-39.000.
Delande S.A.: *See*—
  Bourgery, Guy R.; Lacour, Alain P.; Pourrias, Bernard M.; and Santamaria, Raphael, 4,831,051, Cl. 514-452.000.
Delaney, Dennis D.: *See*—
  Koepke, Jeffery W.; and Delaney, Dennis D., 4,883,601, Cl. 210-710.000.
Delaney, George. Set of gem-like jacks. 4,827,575, 5-9-89, Cl. 24-3.00

Delaney, John H. Decorative light strip holder. 4,852,832, 8-1-89, Cl. 248-65.000.
Delaney, Larry R.: *See*—
  Lentz, Henry P.; Delaney, Larry R.; Matone, Charles J., Jr.; Lee, Richard J.; and Lang, Dan H., 4,831,236, Cl. 219-271.000.
Delaney, Norma G.; Gordon, Eric M.; and Ondetti, Miguel A., to E. R. Squibb & Sons, Inc. Certain [(lower alkanoyl-thio)methyl-1-oxo-3-phenyl propyl amino]benzene lower alkanoic acid or ester derivatives which inhibit enkephalinase. 4,798,904, 1-17-89, Cl. 558-254.000.
Delaney, Robert H.; Kalmanek, Charles R., Jr.; and Restrick, Robert C., III, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Local area network with biasing arrangement for facilitating access contention between work stations connected to a common bus. 4,841,295, 6-20-89, Cl. 340-825.500.
Delaney, W. John: *See*—
  McDaniel, Cato R.; Delaney, W. John; and Wright, Bruce E., 4,822,475, Cl. 208-48.0AA.
DeLange, Daniel H.; and Schregardus, Ralph B. Display wall system. 4,817,352, 4-4-89, Cl. 52-235.000.
DeLano, Don L.; and Benda, Edward K., to Chemcast Corporation. Multiple durometer shield for ball joint. 4,856,795, 8-15-89, Cl. 277-212.0FB.
Delano, Mark A., to Union Carbide Corporation. Process for fluidizing. 4,866,858, 9-19-89, Cl. 34-10.000.
Delano, Richard: *See*—
  Falicoff, Waqidi; Delano, Richard; and Raseman, Chad J., 4,877,675, Cl. 428-204.000.
Delap, James D.: *See*—
  Delap, Jess E.; and Delap, James D., 4,862,623, Cl. 42-90.000.
Delap, Jess E.; and Delap, James D. Quick loading device for muzzle-loaded weapons. 4,862,623, 9-5-89, Cl. 42-90.000.
Delapena Honing Equipment Limited: *See*—
  Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., 4,816,731, Cl. 318-569.000.
  Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., 4,823,061, Cl. 318-603.000.
Delaplace, Philippe; and Steine, Hans-Theo, to Castolin S.A. Torch device with oxygen and combustion gas supply. 4,794,953, 1-3-89, Cl. 137-630.190.
Delapp, Michael. Monitor support for a terminal. 4,834,329, 5-30-89, Cl. 248-183.000.
Dela Rosa, Gregorio. Thigh muscle stretching device. 4,877,239, 10-31-89, Cl. 272-126.000.
de Larosiere, Pierre J. Device for separating perforated strips from paper sheets. 4,886,198, 12-12-89, Cl. 225-106.000.
Delaruelle, Dale H.: *See*—
  Deno, Milton C.; Smith, Eugene A., Jr.; and Delaruelle, Dale H., 4,859,000, Cl. 303-33.000.
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  Andrieux, Bernard; and Grand, Claude, 4,801,314, Cl. 55-198.000.
Delatorre, Leroy C., to Panex Corporation. Micro displacement force transducer. 4,870,536, 9-26-89, Cl. 361-283.000.
Delatorre, Leroy C., to Panex Corporation. Micro displacement force transducer. 4,873,870, 10-17-89, Cl. 73-733.000.
Delatorre, Leroy C., to Panex Corporation. Pressure sensor system. 4,875,368, 10-24-89, Cl. 73-151.000.
Delatorre, Leroy C., to Panex Corporation. Pressure sensor system. 4,875,369, 10-24-89, Cl. 73-151.000.
Delatour, Evelyne A. M., legal representative: *See*—
  Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, 4,835,457, Cl. 324-71.400.
Delatte, Daniel; and Simon, Bernard, to L'air Liquide, Societe Anonyme pour l'etude et l'exploitation des Procedes Georges Claude. Closing device for cryogenic container. 4,878,594, 11-7-89, Cl. 220-254.000.
Delaunay, Marc: *See*—
  Richalley, Gerard; and Delaunay, Marc, 4,844,810, Cl. 210-646.000.
DeLaurier, William S.; Kirtland, Howard W.; and Mount, Gordon L., to Carrier Corporation. Diffuser vane seal for a centrifugal compressor. 4,844,690, 7-4-89, Cl. 415-148.000.
Delava, Eric A.: *See*—
  Crew, Albert W.; Neuner, James A.; Remley, Gilbert W.; Hager, Robert E.; Chambers, George M.; Delava, Eric A.; Wilbur, Susan A.; Kenny, Thomas J.; and Sutherland, James F., 4,804,515, Cl. 376-216.000.
Delaval Turbine GmbH: *See*—
  Strzodka, Hubert F., 4,827,093, Cl. 200-82.00C.
Delavarenne, Serge; Fauconet, Michel; Simon, Michel; and Sommer, Jean, to Societe Chimique des Charbonnages S.A. Catalytic process for the manufacture of acid fluoride. 4,840,750, 6-20-89, Cl. 260-544.00A.
Delaware Capital Formation, Inc.: *See*—
  Arnone, David A., 4,827,591, Cl. 29-243.560.
  Evans, Alfred J.; Chen, Grant K.; May, Dennis J.; and Brinson, Edward P., 4,821,485, Cl. 53-138.00A.
  Evans, Alfred J., 4,847,952, Cl. 17-35.000.
  Evans, Alfred J.; and Dunigan, Clay R., 4,847,953, Cl. 17-35.000.
  Evans, Alfred J.; and Dunigan, R. Clay, 4,887,332, Cl. 17-35.000.
  Farrar, Dennis J.; and Duckworth, Mark H., 4,832,158, Cl. 187-103.000.
  Foster, Michael M.; and Racely, Kermit L., 4,798,267, Cl. 187-28.000.
  Jacobson, Gordon R., 4,807,345, Cl. 29-243.560.
  Kaiser, Danny K., 4,884,452, Cl. 73-730.000.
  McPherson, Alexander W.; and Witt, Larry M., 4,854,564, Cl. 269-32.000.
  Oslin, G. Robert; and Jepson, Stewart C., 4,817,582, Cl. 126-21.00A.
  Oslin, G. Robert, 4,851,644, Cl. 219-400.000.
  Rishel, John W.; and Schrink, George H., 4,836,922, Cl. 210-232.000.
Delaware Investments, Inc.: *See*—
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  Mahoney, William J., Jr., 4,869,594, Cl. 366-341.000.
Delbe, Emmanuel; Gillet, Francois; Serot, Etienne; Chifflet, Raymond; Allio, Roland; Jeantin, Philippe; Del Fabro, Gilbert; and Forella, Guy, to Societe anonyme dite: Compagnie Generale D'Automatisme CGA-HBS. Method of extracting and accelerating flat objects. 4,877,229, 10-31-89, Cl. 271-2.000.
Delbeck, Jean-Willem; and Schleicher, Anton M., to Teroson GmbH. Process for bonding two substantially flat elements with spacers. 4,865,672, 9-12-89, Cl. 156-109.000.
Del Bianco, Roberto: *See*—
  Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,847,232, Cl. 502-160.000.
  Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,866,137, Cl. 525-330.300.
Del Bono, Rinaldo; De Ambrosi, Luigi; Ferrari, Gianni; Rugarli, Pier L.; and Pagella, Pier G., to Mediolanum Farmaceutici Srl. Process for preparing high-purity dematan sulphate, and pharmaceutical compositions which contain it. 4,870,166, 9-26-89, Cl. 536-21.000.
Delbourgo, Patricia; Coupard, Michel; and Delorme, Jean-Jacques, to Compagnie Francaise d'Etudes et de Construction "Technip". Installation for separating a solvent from a mixture of solvent and hydrocarbons. 4,830,711, 5-16-89, Cl. 202-173.000.
Delcambre, Thomas L. Educational children's toy. 4,846,692, 7-11-89, Cl. 434-159.000.
del Castillo, Fernando, to Ideal Equipment Co., Ltd. Semi-automatic sewing station. 4,841,887, 6-27-89, Cl. 112-121.120.
Del Castillo von Haucke, Juan M. Multi-station modular office furniture. 4,807,539, 2-28-89, Cl. 108-111.000.
Delchi/Carrier S.p.A.: *See*—
  Farina, Daniele; Colombo, Guglielmo; and Bonfanti, Lorenzo, 4,854,375, Cl. 165-53.000.
Delco Associates, Inc.: *See*—
  D'Elia, Ronald J., 4,880,121, Cl. 209-702.000.
Delco Electronics Corporation: *See*—
  Christenson, John C., 4,882,294, Cl. 437-90.000.
  Downey, Joel F., 4,829,200, Cl. 307-446.000.
  Gloudemans, Jeffrey M., 4,882,659, Cl. 362-61.000.
  Gose, Mark W., 4,866,399, Cl. 330-288.000.
  Hansen, Mark C.; and Kosiak, Walter K., 4,836,175, Cl. 123-609.000.
  Hansen, Mark C.; and Manlove, Greg J., 4,841,932, Cl. 123-416.000.
  Heene, Mark R.; Menkedick, Michael H.; Sibigtroth, James M.; and Espinor, George L., 4,802,119, Cl. 364-900.000.
  Hersberger, Jill G.; Bell, Myron H.; Harding, Robert L.; and Spadafora, Peter J., 4,885,710, Cl. 364-565.000.
  Himelick, James M., 4,853,345, Cl. 437-41.000.
  Jeter, Michael A.; and Capurso, Joseph S., 4,859,808, Cl. 174-68.500.
  Kearney, Mark B.; and Koglin, Dennis M., 4,866,312, Cl. 307-496.000.
  Kennedy, Richard A.; Zarabadi, Seyed R.; Anderson, Fred J.; and Stang, Marvin G., 4,866,779, Cl. 381-94.000.
  Koglin, Dennis M.; and Kearney, Mark B., 4,883,992, Cl. 307-491.000.
  Lippmann, Raymond; and Schnars, Michael J., 4,882,572, Cl. 340-456.000.
  Luettgen, Michael J.; Koglin, Dennis M.; Kearney, Mark B.; Hart, John M., Jr.; and Brown, Ronald E., 4,850,227, Cl. 73-708.000.
  Marrah, Jeffrey J.; Manlove, Gregory J.; and Kennedy, Richard A., 4,882,548, Cl. 330-288.000.
  Osborn, Douglas B., 4,860,152, Cl. 361-91.000.
  Palanisamy, Ponnusamy, 4,797,605, Cl. 324-65.00R.
  Palanisamy, Ponnusamy, 4,819,056, Cl. 357-80.000.
  Palanisamy, Ponnusamy, 4,846,869, Cl. 65-60.530.
  Palanisamy, Ponnusamy, 4,847,003, Cl. 252-514.000.
  Pickett, James K., 4,797,650, Cl. 340-146.200.
  Ridoux, Frank E.; and Neuhalfen, Michael A., 4,843,580, Cl. 364-569.000.
  Roth, Norman J.; and Runyon, Ronnie J., 4,867,715, Cl. 439-876.000.
  Schubert, Peter J., 4,797,718, Cl. 357-23.400.
  Spadafora, Peter J.; Hersberger, Jill G.; Bell, Myron H.; and Harding, Robert L., 4,799,178, Cl. 364-565.000.
  Spadafora, Peter J.; Headley, Philip M.; Lee, Alan J.; and Hersberger, Jill G., 4,824,184, Cl. 303-100.000.
  Yoder, Douglas J.; Brown, Ronald E.; Stevenson, Paul E.; Hornback, Donald L.; and Leisure, Ronald K., 4,885,621, Cl. 357-26.000.
Delco Products Overseas Corporation: *See*—
  Bates, Trevor; Smith, Graham; and Fulks, Gary C., 4,805,427, Cl. 70-264.000.
Delebarre, Arnaud; and Witwicki, Paul W., to Charbonnages de France. Apparatus for supplying unclogging gas to fluidized bed apparatus. 4,880,311, 11-14-89, Cl. 366-101.000.

- Deleens, Gerard: *See—*
  - Jacquemin, Jean-Pierre; and Deleens, Gerard, 4,866,127, Cl. 525-90.000.
- De Leeuw, Albert: *See—*
  - Hollenberg, Cornelis P.; Das, Sunil; De Leeuw, Albert; and van den Berg, Johannes A., 4,859,596, Cl. 435-172.300.
- De Leeuw, Dagobert M.; Klaassen, Dirk B. M.; and Mutsaers, Cornelis A. H. A., to U.S. Philips Corporation. Method of changing the chromaticity of a cathodoluminescent phosphor, color cathode ray tube incorporationg the phosphor, and projection television using same. 4,859,902, 8-22-89, Cl. 313-474.000.
- DeLeeuw, James A.; and Sims, Raymond E., to Arkay Corporation of Wisconsin. Device and method for reducing volume of aqueous waste effluents. 4,828,717, 5-9-89, Cl. 210-740.000.
- Deleganes, Sam M.: *See—*
  - Boyce, Douglas G.; Deleganes, Sam M.; Nathanson, Robert M.; and Bieber, Timothy E., 4,796,258, Cl. 371-16.000.
- DeLemos, Dawn M.: *See—*
  - D'Amelio, Frank D.; DeLemos, Dawn M.; Esposito, Dominick G.; Maxfield, Michelle D.; Petruzzi, Claude E.; and Quint, Robert H., 4,823,791, Cl. 123-303.140.
- DeLeo, John. Easily removable high voltage ground stud insulator. 4,822,289, 4-18-89, Cl. 439-92.000.
- DeLeo, John. Easily removable high voltage ground stud insulator. 4,859,192, 8-22-89, Cl. 439-92.000.
- DeLeo, Richard V.: *See—*
  - Hagen, Floyd W.; and DeLeo, Richard V., 4,836,019, Cl. 73-180.000.
- DeLeon, Andrew M. Oral readout rangefinder. 4,870,687, 9-26-89, Cl. 381-51.000.
- DeLeon, Joe R.: *See—*
  - Kalala, Rose H.; DeLeon, Joe R.; and Maculan, Thomas P., 4,871,534, Cl. 426-74.000.
- De Leon, Jose; Ferguson, Thomas H.; and Skinner, Daniel S., Jr., to Eli Lilly and Company. Antimicrobial coated implants. 4,846,844, 7-11-89, Cl. 623-66.000.
- de Leon Penaloza, Antonio, III: *See—*
  - Bischoff, Gary; Blokkum, Dag R.; de Leon Penaloza, Antonio, III; and Peterson, David L., 4,827,406, Cl. 364-200.000.
- DeLeon, Victoria H.: *See—*
  - Gordon, David; Akselrod, Solange; Cohen, Richard J.; Tu, Jerome C.; Burns, Stephen K.; and DeLeon, Victoria H., 4,862,361, Cl. 364-413.060.
- Delepine, Jean C. Member for controlling a tap or a faucet. 4,885,819, 12-12-89, Cl. 16-121.000.
- Delersjo, Jan. Method of underwater jointing and repair of pipelines. 4,815,649, 3-28-89, Cl. 228-107.000.
- Delery, Marc, to Skis Rossignol S.A. Closing device for ski boots and the like. 4,856,210, 8-15-89, Cl. 36-117.000.
- Delesandri, Domenico. Adjustable mechanism for stabbing and threading a drill pipe safety valve. 4,846,271, 7-11-89, Cl. 166-78.000.
- Delespesse, Guy, to Ciba-Geigy Corporation. Polypeptide factors from colostrum. 4,866,037, 9-12-89, Cl. 514-8.000.
- De Leur, Laurens C., to B.V. Aannemingsbedriof N.B.M. Method for cleaning up contaminated soil. 4,881,475, 11-21-89, Cl. 110-346.000.
- Delevallee, Francoise; and Potier, Pierre, to Roussel Uclaf. Novel method and composition. 4,879,298, 11-7-89, Cl. 514-282.000.
- Delevallee, Francoise; Deraedt, Roger; and Benzoni, Josette, to Roussel Uclaf. Method of inducing immunostimulating activity. 4,880,803, 11-14-89, Cl. 514-232.800.
- Delevallee, Francoise: *See—*
  - Clemence, Francois; Fortin, Michel; Le Martret, Odile; and Delevallee, Francoise, 4,816,465, Cl. 514-314.000.
  - Clemence, Francois; Le Martret, Odile; and Delevallee, Francoise, 4,845,105, Cl. 514-312.000.
  - Clemence, Francois; Le Martret, Odile; Delevallee, Francoise; and Fortin, Michel, 4,877,796, Cl. 514-311.000.
  - Clemence, Francois; Le Martret, Odile; Fortin, Michel; and Delevallee, Francoise, 4,888,355, Cl. 514-429.000.
  - Vevert, Jean-Paul; Delevallee, Francoise; Gasc, Jean-Claude; and Petit, Francis, 4,839,358, Cl. 514-237.800.
- Delevy, Moshe: *See—*
  - Inbar, Dan; and Delevy, Moshe, 4,852,576, Cl. 128-660.600.
- Deley, Serge; and Fourrey, Francois, to ECIA - Equipements et Composants pour l'Industrie Automobile. Fixing device for a covering, especially a covering of a seat. 4,872,724, 10-10-89, Cl. 297-218.000.
- Deley, Serge: *See—*
  - Fourrey, Francois; and Deley, Serge, 4,804,225, Cl. 297-452.000.
- Del Fabro, Gilbert: *See—*
  - Delbe, Emmanuel; Gillet, Francois; Serot, Etienne; Chifflet, Raymond; Allio, Roland; Jeantin, Philippe; Del Fabro, Gilbert; and Forella, Guy, 4,877,229, Cl. 271-2.000.
- Del Fabro, Giorgio; and Del Fabro, Marcello, to M.E.P. Macchine Elettroniche Piegatrici SpA. Antirotation method to straighten sections and antirotation straightening machine which employs such method. 4,876,873, 10-31-89, Cl. 72-162.000.
- Del Fabro, Marcello: *See—*
  - Del Fabro, Giorgio; and Del Fabro, Marcello, 4,876,873, Cl. 72-162.000.
- Delfield Precision Engineering Limited: *See—*
  - Wakefield, Peter D., 4,875,293, Cl. 33-508.000.
- Delfilt Limited: *See—*
  - Evans Stephen, 4,851,113, Cl. 210-141.000.
- Delford Industries, Inc.: *See—*
  - Reach, Robert L., Jr., 4,805,594, Cl. 126-426.000.
- Delforge, Adrian C.: *See—*
  - Hertel, Richard J.; Delforge, Adrian C.; Mears, Eric L.; MacIntosh, Edward D.; Jennings, Robert E.; and Bhargava, Akhi 4,836,733, Cl. 414-225.000.
- Delfos & Atlas Copco Limited: *See—*
  - Mazzalupi, Giovanni; and Onofri, Bruno, 4,854,402, Cl. 175-171.000.
- Del Fresno, Miguel L., to Oficina de Investigacion Agrupada, S.A. Arrangement in steam iron protection circuits. 4,833,297, 5-23-89, Cl. 219-250.000.
- Delfs, Larry M.: *See—*
  - Durant, Douglas M.; Kugler, Uwe H.; Vaughn, Bennie J.; Nordquist, Douglas W.; and Delfs, Larry M., 4,881,573, Cl. 137-614.040.
- Delgado, Jorge H.: *See—*
  - Myers, Roderick J.; and Delgado, Jorge H., 4,867,606, Cl. 405-169.000.
  - Myers, Roderick J.; and Delgado, Jorge H., 4,883,387, Cl. 405-195.000.
- Delgado, Rodolfo: *See—*
  - Borcher, Thomas A., Sr.; Delgado, Rodolfo; and Trinh, Toan 4,863,619, Cl. 252-8.600.
  - Cook, Thomas E.; Delgado, Rodolfo; Linares, Carlos G.; Sakkab, Nabil Y.; and Trinh, Toan, 4,834,895, Cl. 252-8.600.
- Del Gaudio, Antonio: *See—*
  - Renzulli, Francesco; Del Gaudio, Antonio; and Renzulli, Pier 4,877,410, Cl. 8-94.120.
- DelGiorno, Daniel; Medina, Henry; and Accolla, William R., to Myo-Tech Corp. Muscle testing apparatus and method. 4,805,455, 2-21-89, Cl. 73-379.000.
- DelGiorno, Daniel; Pellicano, Russell A.; and Medina, Henry, to Myo-Tech Corp. Muscle testing apparatus. 4,819,485, 4-11-89, Cl. 73-379.000.
- Del Giudice, David M.: *See—*
  - Billmers, Robert L.; Del Giudice, David M.; Tessler, Martin M.; and Hasuly, Michael J., 4,839,449, Cl. 526-238.200.
- Del Giudice, James E. Graphite trombone slide. 4,860,629, 8-29-89, Cl. 84-395.000.
- Del Giudice, Luciano: *See—*
  - Bastioli, Catia; Bellotti, Vittorio; and Del Giudice, Luciano 4,886,847, Cl. 524-84.000.
- DelGobbo, Anthony R.: *See—*
  - Courduvelis, Constantine I.; and DelGobbo, Anthony R. 4,820,548, Cl. 427-98.000.
- Del Grande, Paul E., to Impact Business Forms Limited. Work order set with integral I.D. tags. 4,846,501, 7-11-89, Cl. 282-9.00R.
- Delhaye, Maurice; Derrien, Michel; and Engerand, Jean-Luc, to Messier-Hispano-Bugatti. Rapid extension shock absorber, in particular for carrier-based aircraft. 4,886,248, 12-12-89, Cl. 267-64.260.
- Delhomme, Georges: *See—*
  - Dittmar, Andre; Foray, Jacques; Delhomme, Georges; Blain, Yves and Berard, Pierre, 4,825,863, Cl. 128-203.270.
  - Dittmar, Andre; Delhomme, Georges; Roussel, Bernard; and Chatonnet, Joseph, 4,841,543, Cl. 374-44.000.
- Deli, Jack M.; Nagorzanski, Al J.; Karpiel, Harvey B.; and Pisano, Marino J., to Komatsu Dresser Company. Resilient mounting of crawler tractor frame. 4,844,195, 7-4-89, Cl. 180-9.500.
- D'Elia, Conrad, to Ozite Corporation. Moldable fibrous composite and methods. 4,851,274, 7-25-89, Cl. 428-113.000.
- D'Elia, Ronald J., to Delco Associates, Inc. Method and apparatus for the sorting of material. 4,880,121, 11-14-89, Cl. 209-702.000.
- Deliance, Jean: *See—*
  - Boucard, Jean; Delaitre, Andre ; Deliance, Jean; and Winaver, Andre , 4,867,035, Cl. 89-1.550.
- Delibes Pty. Ltd.: *See—*
  - Hillier, Raymond G., 4,794,685, Cl. 29-416.000.
- Delicati, Steven S.: *See—*
  - Ammann, Michael B.; and Delicati, Steven S., 4,825,803, Cl. 116-324.000.
- DeLigt, John: *See—*
  - Beran, Robert L.; and DeLigt, John, 4,885,060, Cl. 162-344.000.
- Delikat, Catherine: *See—*
  - Roth, Bernard M.; Neveu, Daniel R. M.; and Delikat, Catherine 4,856,911, Cl. 374-135.000.
- De Lima Castro Netto, Eduardo. Sealing system and a sealed system 4,818,002, 4-4-89, Cl. 292-307.00R.
- Delio, Ralph D. Method for making substantially forged articles such as tank tread connectors. 4,848,129, 7-18-89, Cl. 72-374.000.
- Delisle, Robert B.: *See—*
  - Kroenert, John T.; and Delisle, Robert B., 4,831,602, Cl. 367-100.000.
- Delisle, Roger L. Roofing membrane anchor. 4,854,105, 8-8-89, Cl. 52-698.000.
- Delisle, William J.: *See—*
  - Volk, Karl G.; and Delisle, William J., 4,881,858, Cl. 409-218.000.
- Delk, Ann: *See—*
  - Leong, Helen; Katz, Martin; Delk, Ann; Nacht, Sergio; and Berliner, David, 4,855,144, Cl. 424-487.000.
- Delk, Anne: *See—*
  - Leong, Helen; Katz, Martin; Delk, Anne; Berliner, David; and Nacht, Sergio, 4,806,360, Cl. 424-487.000.
- Dell, George: *See—*
  - Simkus, John J.; and Dell, George, 4,819,818, Cl. 273-138.00A.
- Dell, Hans-Dieter: *See—*
  - Beckermann, Bernhard; Dell, Hans-Dieter; Horstmann, Hans; and Kraus, Reinhold, 4,871,767, Cl. 514-536.000.

- Dell, Travis E. Portable unloading platform and ramp. 4,878,800, 11-7-89, Cl. 414-401.000.
- Della Bella, Davide; Carenzi, Angelo; Chiarino, Dario; and Pellacini, Franco, to Zambon S.p.A. Pharmaceutically useful derivatives of thiazolidine-4-carboxylic acid. 4,840,936, 6-20-89, Cl. 514-18.000.
- Della Bella, Davide: *See—*
  - Chiarino, Dario; Della Bella, Davide; and Ferrari, Vittorio, 4,863,908, Cl. 514-76.000.
  - Chiarino, Dario; Della Bella, Davide; Jommi, Giancarlo; Badone, Domenico; Pagliarin, Roberto; and Tavecchia, Paolo, 4,879,068, Cl. 260-397.000.
  - Ferrari, Vittorio; Carenzi, Angelo; and Della Bella, Davide, 4,806,567, Cl. 514-513.000.
  - Ferrrari, Vittorio; Carenzi, Angelo; and Della Bella, Davide, 4,812,477, Cl. 514-513.000.
- Della Bruna, Costantino: *See—*
  - Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Della Bruna, Costantino; and Franceschi, Giovanni, 4,886,793, Cl. 514-192.000.
- Della Corte, Michael P.: *See—*
  - Shaffer, David E.; and Della Corte, Michael P., 4,841,648, Cl. 36-43.000.
  - Shaffer, David E.; and Della Corte, Michael P., 4,856,505, Cl. 128-81.00R.
- Dell'Acqua, Ernani; Bruzzese, Tiberio; and Van Den Heuvel, Holger H., to SPA Societa' Prodotti Antibiotici S.p.A. Process for obtaining foods free of Listeria bacteria. 4,810,508, 3-7-89, Cl. 426-34.000.
- Dell'Acqua, Giuseppe. Device for exhibiting advertising. 4,803,791, 2-14-89, Cl. 40-433.000.
- Della Posta, Joseph A.; and Fiano, Anthony P., to Warner-Lambert Company. Confection product and method for making same. 4,847,090, 7-11-89, Cl. 424-440.000.
- Dellaria, Joseph: *See—*
  - Luly, Jay R.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Plattner, Jacob J.; Rosenberg, Saul H.; and Sham, Hing L., 4,826,815, Cl. 514-19.000.
  - Rosenberg, Saul H.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Luly, Jay R.; and Plattner, Jacob J., 4,857,507, Cl. 514-18.000.
- Della Sala, Berardino. Ferromagnetic-fluid pump for pumping biological liquid. 4,869,656, 9-26-89, Cl. 417-412.000.
- Dellasso, Vincent. Pool cover syphon for above ground pools. 4,834,138, 5-30-89, Cl. 137-590.000.
- della Valle, Francesco; and Romeo, Aurelio, to Fidia, S.p.A. Ganglioside derivatives. 4,849,413, 7-18-89, Cl. 514-54.000.
- della Valle, Francesco; and Romeo, Aurelio, to Fidia, S.p.A. Esters of hyaluronic acid. 4,851,521, 7-25-89, Cl. 536-55.100.
- DellaVecchia, Michael; and Naids, Richard. Ophthalmic shield with removable compression device. 4,850,376, 7-25-89, Cl. 128-858.000.
- Della Vecchia, Rita A. Scratching and petting device for household pets. 4,872,422, 10-10-89, Cl. 119-83.000.
- Dellchem, Inc.: *See—*
  - Wardell, Harry H., 4,882,070, Cl. 210-727.000.
- Dellen, Franz: *See—*
  - Mitzner, Horst; and Dellen, Franz, 4,819,918, Cl. 266-207.000.
- Deller, Klaus: *See—*
  - Baacke, Michael; Deller, Klaus; Kleinschmit, Peter; and Koberstein, Edgar, 4,861,937, Cl. 585-640.000.
- Dellerm, Anne: *See—*
  - Clanet, Frank; and Dellerm, Anne, 4,877,156, Cl. 222-386.500.
- Delli-Gatti, Frank A., Jr.: *See—*
  - Justice, James C.; and Delli-Gatti, Frank A., Jr., 4,889,392, Cl. 299-18.000.
- DelliColli, Humbert T.: *See—*
  - Dilling, Peter; DelliColli, Humbert T.; and Davis, James E., 4,797,157, Cl. 106-20.000.
- Dellinger, Anthony L.: *See—*
  - French, Thomas J.; Harrell, Lester R.; and Dellinger, Anthony L., 4,845,208, Cl. 219-121.390.
- Dellinger, Jack A., to BASF Corporation. Molecular weight controller for polymerization of lactams to polyamides. 4,844,834, 7-4-89, Cl. 252-182.300.
- Dellion, Raymond: *See—*
  - Grimaldi, Jean L.; Dellion, Raymond; and Michaud, Pierre, 4,868,663, Cl. 358-209.000.
- Dell'Oca, Conrad J.: *See—*
  - Hui, Alex C.; Wong, Anthony Y.; Dell'Oca, Conrad J.; Wong, Daniel; and Szeto, Roger, 4,884,118, Cl. 357-45.000.
- Dellon, Arnold L.; and Mackinnon, Susan E., to American Cyanamid Company. Bioabsorbable surgical device for treating nerve defects. 4,870,966, 10-3-89, Cl. 128-334.00R.
- Delloye, Thierry; and Sabot, Jean-Louis, to Rhone-Poulenc Chimie. Purified, strontium-free barium values. 4,818,504, 4-4-89, Cl. 423-157.000.
- Dellrud, Rolf; and Hagstrom, Ulf, to Komfortventilation Teknik AB. Outdoor barbeque grill. 4,850,333, 7-25-89, Cl. 126-25.00A.
- Delluc, Rene . Device for washing and defrosting automobile windshields. 4,821,363, 4-18-89, Cl. 15-250.050.
- Delmag Maschinenfabrik Reinhold Dornfeld GmbH & Co.: *See—*
  - Hennecke, Rudolf; and Kehrberger, Achim, 4,817,733, Cl. 173-2.000.
- Delmas, Gilles; Hazan, Jean-Pierre; and Steers, Michel, to U.S. Philips Corporation. Device for controlling the charging of rechargeable batteries. 4,816,737, 3-28-89, Cl. 320-35.000.
- Delmas, Gilles: *See—*
  - Steers, Michel; Hazan, Jean-Pierre; and Delmas, Gilles, 4,870,234, Cl. 219-10.55B.
  - Steers, Michel; Delmas, Gilles; and Hazan, Jean-Pierre, 4,870,235, Cl. 219-10.55B.
  - Steers, Michel; Hazan, Jean-Pierre; and Delmas, Gilles, 4,871,891, Cl. 219-10.55B.
- Delmege, James W.; and Day, David J., to Redcom Laboratories, Inc. Key telephone system providing selection of key or PBX operational modes. 4,850,011, 7-18-89, Cl. 379-157.000.
- Delmerico, Robert W.; and Espelage, Paul M., to General Electric Company. Cross tie for induction motor drive. 4,823,068, 4-18-89, Cl. 318-807.000.
- DeLoach, Anthony. Self-contained water treatment system and enclosure. 4,857,184, 8-15-89, Cl. 210-128.000.
- DeLoach, Wendell T.: *See—*
  - Hanson, Dennis B.; and DeLoach, Wendell T., 4,845,910, Cl. 52-288.000.
- Deloche, Daniel C.: *See—*
  - Paganessi, Joseph E.; Sauer, Richard A.; and Deloche, Daniel C., 4,834,779, Cl. 55-16.000.
- DeLong, Robert J.: *See—*
  - Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., 4,819,141, Cl. 362-207.000.
  - Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., 4,841,417, Cl. 362-206.000.
- DeLong, Steven T.; and Snook, James E., to Rockwell International Corp. Multi-requester arbitration circuit. 4,881,195, 11-14-89, Cl. 364-900.000.
- DeLonghi, Charles C.: *See—*
  - Schron, Jack H.; Seidel, Lawrence H.; and DeLonghi, Charles C., 4,863,205, Cl. 294-82.280.
- De'Longhi, Giuseppe, to De'Longhi S.p.A. Mobile apparatus for heating rooms. 4,870,253, 9-26-89, Cl. 219-369.000.
- De'Longhi S.p.A.: *See—*
  - De'Longhi, Giuseppe, 4,870,253, Cl. 219-369.000.
- DeLorean, Ruth M. Auxiliary bathroom tissue dispenser. 4,834,316, 5-30-89, Cl. 242-55.300.
- DeLorimiere, Marion. Cake frosting assembly. 4,844,917, 7-4-89, Cl. 426-87.000.
- DeLorme, Dennis S.; Holm, Mark L.; Lee, Wilson D.; Passe, Peter B.; Ricard, Gary R.; Timms, George D., Jr.; and Youngren, Larry W., to International Business Machines Corporation. Database index journaling for enhanced recovery. 4,819,156, 4-4-89, Cl. 364-200.000.
- Delorme, Jean-Jacques: *See—*
  - Delbourgo, Patricia; Coupard, Michel; and Delorme, Jean-Jacques, 4,830,711, Cl. 202-173.000.
- de los Santos, Federico E. Guitar slide bar apparatus. 4,817,488, 4-4-89, Cl. 84-319.000.
- Deloughery, Edith. Portable ice skating rink. 4,815,301, 3-28-89, Cl. 62-235.000.
- de Louvencourt, Laurence; Fukuhara, Hiroshi; Heslot, Henri; and Wesolowski, Micheline, to Societe Nationale Elf Aquitaine. Cloning and expression vector, yeast transformed by such vector and applications thereof. 4,806,472, 2-21-89, Cl. 435-68.000.
- Deloy, Pierre: *See—*
  - Poisson, Pierre; Rivas, Nadine; and Deloy, Pierre, 4,879,327, Cl. 524-93.000.
- Del Paggio, Alan A.: *See—*
  - Koch, Frederick W.; Evans, Gail A.; Dorer, Casper J., Jr.; and Del Paggio, Alan A., 4,816,038, Cl. 44-68.000.
- Delpech, Guy; and Garnier, Gilles, to U.S. Philips Corporation. Support for printed circuit boards. 4,875,140, 10-17-89, Cl. 361-412.000.
- Del Pesco, Thomas W.; and Culling, Gerald C., to Du Pont de Nemours, E. I., and Company. Solvent-based fabric protector. 4,810,411, 3-7-89, Cl. 252-162.000.
- Delphax Systems: *See—*
  - Carrish, Jeffrey J., 4,842,262, Cl. 271-186.000.
  - Kubelik, Igor, 4,879,569, Cl. 346-159.000.
  - McCallum, Robert S.; and Hendrikx, Dale E., 4,890,123, Cl. 346-159.000.
  - Plasscheart, Paul E., 4,879,571, Cl. 355-26.000.
  - Theodoulou, Sotos M.; Thomson, Christopher W.; Vannerson, Eric; Baker, Wm. Keith; Sun, Alvin C. P.; and Hurley, Ken, 4,839,671, Cl. 346-159.000.
  - Weiner, Nathan K., 4,841,313, Cl. 346-159.000.
- Delphi Company Ltd.: *See—*
  - Muramatsu, Masayauki; and Morozumi, Toshiki, 4,800,346, Cl. 333-140.000.
- Delphia, John B.; Heilenah, Louis; and Chandler, Ronald E., to Chivas Products Limited. Overhead console assembly. 4,867,498, 9-19-89, Cl. 296-37.700.
- Delphian Corporation: *See—*
  - Shafer, J. Howard, 4,870,855, Cl. 73-23.000.
- Delphic Research Laboratories, Inc.: *See—*
  - Ellis, Harold, 4,818,595, Cl. 428-245.000.
- Delphin, Joseph P., to Conoco Inc. Sling assembly for use with a crane. 4,856,836, 8-15-89, Cl. 294-74.000
- Delphin, Rene; and Regnaut, Bernard, to Occidental Chemical Corporation. Method of manufacturing an electrically conductive thermoplastic material. 4,839,114, 6-13-89, Cl. 264-40.400.
- Delpla, Claude A.; Limet, Henri D.; and Janicaud, Francois P., to Compagnie Internationale des Produits Sanitaires "CIPS". Thermostatic mixing valve. 4,819,867, 4-11-89, Cl. 236-12.160.

Del Prato, Daniel J.: *See—*

Larson, Sherman L.; Del Prato, Daniel J.; and Klaus, Robert, 4,809,392, Cl. 15-312.00R.

Delprato, Ivano, to Minnesota Mining and Manufacturing Company. Silver halide light-sensitive material comprising benzo-bis-thiazole quaternary salts as antifogging agents. 4,849,327, 7-18-89, Cl. 430-551.000.

Delprato, Ivano; and Baldassarri, Agostino, to Minnesota Mining and Manufacturing Company. Light-sensitive silver halide photographic materials and process for incorporating hydrophobic photographic additives into hydrophilic colloid compositions. 4,873,182, 10-10-89, Cl. 430-546.000.

DelProposto, Joseph; and Beleski, Donald R., to American Hydrostatics Manufacturing Inc. Chassis towveyor cart. 4,827,830, 5-9-89, Cl. 91-19.000.

Delpuech, Jean-Jacques: *See—*

Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime ; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.

Delsey: *See—*

Seynhaeve, Andree G., 4,844,257, Cl. 206-279.000.

Delsey Luggage Company: *See—*

Krenzel, Ronald L., 4,838,396, Cl. 190-18.00A.

Delshar Industries, Inc.: *See—*

Brody, Harvey, 4,805,812, Cl. 222-402.110.

Del Signore, James R., II, to NCR Corporation. Digital motor control system. 4,833,375, 5-23-89, Cl. 318-269.000.

DelSignore, James R., II, to NCR Corporation. Digital printhead energy control system. 4,838,157, 6-13-89, Cl. 101-93.030.

Del Signore, James R., II: *See—*

Brull, Robert A.; Bullivant, Robert F.; Del Signore, James R., II; and Walker, Alan H., 4,818,132, Cl. 400-708.000.

Delta Dredge and Pump Corporation: *See—*

Merrifield, G. David, deceased, 4,819,948, Cl. 277-3.000.

Delta Elettronica s.r.l.: *See—*

Coppola, Mario, 4,814,753, Cl. 340-686.000.

Memmola, Serafino, 4,802,378, Cl. 74-502.600.

Delta Elettronica S.p.A.: *See—*

Memmola, Serafino, 4,884,055, Cl. 340-426.000.

Delta International Machinery Corp.: *See—*

Luttmer, David J.; Panian, Thomas L.; Wixey, Barry D.; and Wilson, Raymond L., 4,873,770, Cl. 33-706.000.

Delta Medical Systems, Inc.: *See—*

Nix, Frank H., Jr., 4,884,296, Cl. 2-011.000.

Delta Metals, Inc.: *See—*

Talroy, Robert C.; Ward, Sarah G.; and Schmidt, Parbury P., 4,873,226, Cl. 514-46.000.

Delta Projects Inc.: *See—*

McKenzie, Donald G., 4,842,016, Cl. 137-597.000.

Scott, Jeffery E.; McDougall, David W.; and Holcek, Ronald G., 4,882,041, Cl. 208-177.000.

Delta Systems, Inc.: *See—*

Howard, William A., 4,795,865, Cl. 200-85.00A.

Howard, William A., 4,812,604, Cl. 200-260.000.

Howard, William A., 4,839,478, Cl. 200-52.00R.

Delta Technical Services, Limited: *See—*

Marsh, Stephen T., 4,811,249, Cl. 364-550.000.

Delta Technology Corporation: *See—*

Codding, Elias H., 4,878,582, Cl. 209-580.000.

Deltaglass SA: *See—*

Jarrett, Kenneth B., 4,824,722, Cl. 428-430.000.

Deltatto, Charles D. Ergonomic aerial basket. 4,883,145, 11-28-89, Cl. 182-2.000.

Deltoer, Marcel H. Electric switch with integrated connector. 4,866,220, 9-12-89, Cl. 200-11.00A.

Delton, Mary H.: *See—*

Daniel, Daniel S.; Delton, Mary H.; and Warren, Harold C., III, 4,853,090, Cl. 204-1.00T.

Deltour, Robert: *See—*

Geuskens, Georges; Deltour, Robert; and Vallier, Thierry, 4,808,470, Cl. 428-323.000.

Deltown Chemurgic Corporation: *See—*

Callahan, Timothy; and Herz, Jack, 4,871,575, Cl. 426-643.000.

Deltracon Deventer B.V.: *See—*

Blees, Frederik C., 4,881,819, Cl. 366-8.000.

De Luca, Giovanna; Di Stazio, Giovanni; Margonelli, Andrea; Materazzi, Mario; and Politi, Vincenzo, to Polifarma S.p.A. Production of indolepyruvic acid and the 5-hydroxy derivative thereof. 4,808,728, 2-28-89, Cl. 548-502.000.

De Luca, Giovanna: *See—*

Caciagli, Valerio; Verdini, Antonio S.; De Luca, Giovanna; Di Stazio, Giovanni; and Politi, Vincenzo, 4,810,779, Cl. 530-328.000.

DeLuca, Hector F.; Schnoes, Heinrich K.; and Lau, Wan F., to Wisconsin Alumni Research Foundation. Method of inducing the differentiation of malignant cells with secosterol. 4,800,198, 1-24-89, Cl. 514-167.000.

DeLuca, Hector F.; Dame, Margaret C.; and Pierce, Eric A., to Wisconsin Alumni Research Foundation. Assay for 1,25-dihydroxy vitamin D in sample containing vitamin D transport protein. 4,816,417, 3-28-89, Cl. 436-501.000.

DeLuca, Hector F.; Kutner, Andrzej; and Schnoes, Heinrich K., to Wisconsin Alumni Research Foundation. Method for preparing coenzyme a esters of all-trans- and 13-cis retinoic acids. 4,841,038, 6-20-89, Cl. 536-27.000.

DeLuca, Hector F.; Schnoes, Heinrich K.; Kutner, Andrzej; Perlman, Kato L.; Sicinski, Rafal R.; and Phelps, Mary E., to Wisconsin Alumni Research Foundation. Vitamin D related compounds and processes for their preparation. 4,847,012, 7-11-89, Cl. 260-397.200.

DeLuca, Hector F.; Ikekawa, Nobuo; and Tanaka, Yoko, to Wisconsin Alumni Research Foundation. Hydroxylated 26-homo vitamin D derivatives and methods for preparing same. 4,851,400, 7-25-89, Cl. 514-167.000.

DeLuca, Hector F.; Schnoes, Heinrich K.; Perlman, Kato L.; and Kutner, Andrzej, to Wisconsin Alumni Research Foundation. Novel cyclopentano-vitamin D analogs. 4,851,401, 7-25-89, Cl. 514-167.000.

DeLuca, Hector F.; Ikekawa, Nobuo; and Tanaka, Yoko, to Wisconsin Alumni Research Foundation. Hydroxylated 24-homo-vitamin D derivatives and methods for preparing same. 4,857,518, 8-15-89, Cl. 514-167.000.

DeLuca, Joan S.; and DeLuca, Michael J., to Motorola, Inc. Radio paging receiver including duplicate page detection and error correction capability. 4,835,777, 5-30-89, Cl. 371-69.000.

DeLuca, Joan S.; DeLuca, Michael J.; and Shea, George B., to Motorola, Inc. Communication system having a packet structure field. 4,860,003, 8-22-89, Cl. 340-825.440.

DeLuca, Joan S.; and Dulaney, Randi L., to Motorola, Inc. Communication receiver with automatic turn on/off. 4,860,005, 8-22-89, Cl. 340-825.440.

DeLuca, Joan S.; Mellone, Charles M.; and Stair, Mark T. Multilingual paging system. 4,870,402, 9-26-89, Cl. 340-825.440.

DeLuca, Joan S.; Holmes, Thomas F.; and Abbaticchio, Mark J., to Motorola, Inc. Paging receiver capable of reminding a user of an important message event. 4,872,005, 10-3-89, Cl. 340-825.440.

DeLuca, Mario S. Air grinder motor vibrating sanding accessory for auto body work and the like. 4,823,514, 4-25-89, Cl. 51-170.0MT.

DeLuca, Michael J.; and Willard, David F., to Motorola, Inc. Apparatus and method for fine synchronization of a communication receiver. 4,803,703, 2-7-89, Cl. 375-116.000.

DeLuca, Michael J.; and Reed, Jeffrey B., to Motorola, Inc. Paging receiver with alert indicating status of memory. 4,851,829, 7-25-89, Cl. 340-825.440.

DeLuca, Michael J.; and Reed, Jeffrey B., to Motorola, Inc. Communication receiver system having a decoder operating at variable frequencies. 4,879,758, 11-7-89, Cl. 455-296.000.

DeLuca, Michael J.: *See—*

DeLuca, Joan S.; and DeLuca, Michael J., 4,835,777, Cl. 371-69.000.

DeLuca, Joan S.; DeLuca, Michael J.; and Shea, George B., 4,860,003, Cl. 340-825.440.

DeLuca, Patrick P.; Kanke, Motoko; Sato, Toyomi; and Schroeder, Hans G., to University of Kentucky Research Foundation, The. Porous microspheres for drug delivery and methods for making same. 4,818,542, 4-4-89, Cl. 424-491.000.

De Luca, Paul V.; Shatzkin, Michael; and Atun, Albert, to Porta Systems Corp. Single sided DSX frame. 4,811,169, 3-7-89, Cl. 361-429.000.

De Luca, Paul V., to Porta Systems Corp. Laminar type telephone connector block. 4,813,071, 3-14-89, Cl. 379-327.000.

De Luca, Paul V.; Carney, William V.; Neuwirth, Helmuth; and Fasano, Michael, to Porta Systems Corp. Telephone connector block for cradle type installtion. 4,824,403, 4-25-89, Cl. 439-714.000.

De Luca, Paul V.; and Hung, Peter, to Ponta Systems Corp. Maintenance termination unit circuit structure. 4,832,192, 5-23-89, Cl. 206-334.000.

De Luca, Paul V.; and Neuwirth, Helmuth, to Porta Systems Corp. Telephone connector block having serially interconnectible grounding strip. 4,840,572, 6-20-89, Cl. 439-92.000.

DeLuca, Paul V., to Porta Systems Corp. Modular jack panel construction. 4,860,348, 8-22-89, Cl. 379-327.000.

DeLuca, Peter L. Deformable pulp paper product, its method of manufacture and method of use. 4,810,430, 3-7-89, Cl. 264-3.300.

De Luca, Robert: *See—*

Panzera, Carlino; and De Luca, Robert. 4,828,117, Cl. 206-63.5

DeLuca, Robert D.: *See—*

Chen, Albert C.; DeLuca, Robert D.; Jones, Robin M. F.; Mueller, Donald S.; and Yeganeh, Mary S., 4,826,430, Cl. 433-8.000.

DeLuca, Rocco A. Expansion joint assembly and method. 4,804,29 2-14-89, Cl. 404-69.000.

De Lucca, George V.; Kezar, Hollis S., III; and O'Brien, John P., to Du Pont de Nemours, E. I., and Company. High strength fibers from chitin derivatives. 4,833,238, 5-23-89, Cl. 536-20.000.

De Lucca, George V.; Kezar, Hollis S., III; and O'Brien, John P., to Du Pont de Nemours, E. I., and Company. High strength fibers from chitin derivatives. 4,857,403, 8-15-89, Cl. 428-364.000.

De Lucca, George V.; Pelosi, Lorenzo F.; and O'Brien, John P. High strength chitosan fibers and fabrics thereof. 4,861,527, 8-29-89, Cl. 264-186.000.

De Lucchi, Cesare, to Irga S.p.A. Coupling interposed between the rolls of a widener roller for sheet materials. 4,869,413, 9-26-89, Cl. 226-190.000.

Delucia, R. Ralph; Wolf, Daniel J.; and Casteel, Eric P., to Westinghouse Electric Corp. Verification of computer software. 4,819,233, 4-4-89, Cl. 371-19.000.

DeLucia, R. Ralph; Rockot, David W.; Wolf, Daniel J.; Musicante, Neil J.; and Pike, Thomas A., to Westinghouse Electric Corp. Software verification and validation configuration management system. 4,864,569, 9-5-89, Cl. 371-19.000.

de Luis, Javier: *See-*-

Crawley, Edward F.; and de Luis, Javier, 4,849,668, Cl. 310-328.000.

Del Val, Sagrario M.; Fernandez, Maria I. M.; and Monaghan, Richard L., to Merck & Co., Inc. Process for the manufacture of an antifungal antihypercholesterolemic β-lactone. 4,828,992, 5-9-89, Cl. 435-123.000.

del Valle Macleod, David: *See—*

del Valle P., Daniel; del Valle Macleod, David; and del Valle Macleod, Deborah, 4,831,748, Cl. 34-181.000.

del Valle Macleod, Deborah: *See—*

del Valle P., Daniel; del Valle Macleod, David; and del Valle Macleod, Deborah, 4,831,748, Cl. 34-181.000.

del Valle P., Daniel; del Valle Macleod, David; and del Valle Macleod, Deborah, to Del Valle P., Daniel. Apparatus for drying resinous material. 4,831,748, 5-23-89, Cl. 34-181.000.

Del Valle P., Daniel: *See—*

del Valle P., Daniel; del Valle Macleod, David; and del Valle Macleod, Deborah, 4,831,748, Cl. 34-181.000.

Delvaux, Jacques: *See—*

Arens, Georges; Delvaux, Jacques; and Gros, Pierre, 4,856,614, Cl. 181-104.000.

Delvaux, Pierre; and Lesmerises, Normand, to Ceram-Sna, Inc. Process for obtaining boric acid treated asbestos fiber. 4,812,204, 3-14-89, Cl. 162-3.000.

Del Vecchio, Robert M.; and Slepian, Robert M., to Westinghouse Electric Corp. Liquid metal electromagnetic flow control device incorporating a pumping action. 4,842,170, 6-27-89, Cl. 222-594.000.

Delvenne, Jean-Paul: *See—*

Broze, Guy; and Delvenne, Jean-Paul, 4,830,782, Cl. 252-545.000.

Delves, Ronald F.: *See—*

Griffin, Dennis; and Delves, Ronald F., 4,802,400, Cl. 89-1.570.

Delwel, Francois: *See—*

Appel, Peter W.; Bortolotti, Fabrizio; Delwel, Francois; Hornung, Fredrik; Tomlinson, Alan D.; and Willemse, Simon, 4,824,593, Cl. 252-127.000.

Blackburn, Stephen N.; Delwel, Francois; and Evans, Elfed H., 4,826,632, Cl. 252-550.000.

Delwiche, John L. Flow regulating device. 4,865,070, 9-12-89, Cl. 137-172.000.

Delwiche, Michael J.: *See—*

Giles, Durham K.; Delwiche, Michael J.; and Dodd, Roy B., 4,823,268, Cl. 364-424.070.

Delwiche, Reginald J. Alterable, wear resistant fishing hook assembly. 4,807,383, 2-28-89, Cl. 43-17.500.

Delwig, Friedrich W.; and Schoenert, Dieter, to Mannesmann AG. Loop carriage. 4,809,954, 3-7-89, Cl. 254-286.000.

Delzenne, Michel: *See—*

Hays, Jean-Francois; Legrand, Pierre; Verna, Eric; Delzenne, Michel; Reynaud, Bernard; and Gaillard, Pierre, 4,855,566, Cl. 219-130.400.

Delzer, Gary A.: *See—*

Kolts, John H.; and Delzer, Gary A., 4,829,041, Cl. 502-303.000.

Dema Engineering Co.: *See—*

Nowicki, Michael L., 4,815,634, Cl. 222-133.000.

DeMaggio, Marina A.: *See—*

DiMaggio, Joseph T.; and DeMaggio, Marina A., 4,840,253, Cl. 186-49.000.

Demaich Industries, Inc.: *See—*

Hood, Douglas M., 4,830,277, Cl. 236-93.00R.

De Man, Erik; and Meier, Stefan, to Siemens Aktiengesellschaft. ECL-compatible input/output circuits in CMOS technology. 4,841,175, 6-20-89, Cl. 307-475.000.

De Man, Erik; and Noll, Tobias, to Siemens Aktiengesellschaft. Arrangement for bit-parallel addition of binary numbers with carry-save overflow correction. 4,888,723, 12-19-89, Cl. 364-786.000.

Demangeon, Francis; and Lopez, Emile, to ELF France. Cationic emulsions of bituminous binders of the type bitumen/polymer and cationic emulsifying system preferably utilizable for obtaining said emulsions. 4,879,326, 11-7-89, Cl. 524-61.000.

Demangeon, Yvon; Julemont, Michel; and Fraikin, Marie-Helene, to Colgate-Palmolive Company. Concentrated stable nonaqueous fabric softener composition. 4,851,141, 7-25-89, Cl. 252-8.750.

DeMar, Lawrence E.: *See—*

Lawlor, Patrick M.; and DeMar, Lawrence E., 4,840,375, Cl. 273-121.00A.

Demar, Michel: *See—*

Mauleon, Jean-Louis; Demar, Michel; and Jean-Bernard, Sigaud, 4,832,825, Cl. 208-157.000.

Demaray, Richard E.; and Crumley, Gary B., to BOC Group, Inc., The. Magnetron sputtering targets. 4,834,860, 5-30-89, Cl. 204-298.000.

De Marchi, Jean-Louis: *See—*

Mabboux, Michel; De Marchi, Jean-Louis; and Legon, Fabrice, 4,875,299, Cl. 36-117.000.

Demarchi, Michael E.: *See—*

Nelson, Erik K.; Demarchi, Michael E.; and Boyer, David A., 4,825,251, Cl. 355-27.000.

De Marco, Anthony M.: *See—*

Bender, Dean R.; Shinkai, Ichiro; De Marco, Anthony M.; and McCauley, James A., 4,816,577, Cl. 540-200.000.

De Marco, Franco, to Ernst Grob AG. Method for fabricating a dished hollow body possessing a linear or helical inner toothing. 4,872,250, 10-10-89, Cl. 29-159.200.

De Marco, Giuliano; and Fehl, Alessandro, to Ing. C. Olivetti & C., S.p.A. Apparatus for recording and reproducing data on a magnetic recording medium. 4,805,051, 2-14-89, Cl. 360-78.010.

DeMarco, Jeffery J. Apparatus for stimulating plant growth under controlled conditions. 4,850,135, 7-25-89, Cl. 47-17.000.

DeMarco, Thomas M. Vacuum loader and process for removing asbestos and other particulate material. 4,820,315, 4-11-89, Cl. 55-1.000.

Demarest, Philip C., to Thermometrics, Inc. Method of in vivo calibration of a pressure sensor. 4,886,070, 12-12-89, Cl. 128-675.000.

Demarest, Russell G., Jr. Self-contained portable hanging clothes dryer. 4,819,812, 4-11-89, Cl. 211-1.300.

Demarest, Scott T.: *See—*

Herschitz, Roman; Demarest, Scott T.; Chu, Stephen H.; and Leung, John G., 4,849,600, Cl. 219-110.000.

Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., to S.C. Johnson & Son, Inc. Insect bait device. 4,823,506, 4-25-89, Cl. 43-131.000.

Demarest, Scott W., to S. C. Johnson & Son, Inc. Bait station. 4,837,969, 6-13-89, Cl. 43-131.000.

Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., to S. C. Johnson & Son, Inc. Insect bait device. 4,841,669, 6-27-89, Cl. 43-131.000.

DeMaria, Anthony J.; and Bridges, William, to United States of America, Air Force. Dielectric ridge waveguide gas laser apparatus. 4,813,052, 3-14-89, Cl. 372-64.000.

DeMaria, Attilio: *See—*

Acuto, Giovanni; and DeMaria, Attilio, 4,846,520, Cl. 296-65.100.

De Maria, Michele: *See—*

Michelangeli, Glauco B.; De Maria, Michele; and Giuliani, Giampiero, 4,796,262, Cl. 372-9.000.

DeMarinis, Robert M.; Katerinopoulos, Haralambos E.; and Muirhead, Katharine A., to SmithKline Beckman Corporation. Fluorescent intracellular calcium indicators. 4,849,362, 7-18-89, Cl. 436-63.000.

DeMario, Edmund E.; and Street, Bobby D., to Westinghouse Electric Corp. Nuclear fuel rod grid spring and dimple structures. 4,803,043, 2-7-89, Cl. 376-442.000.

DeMario, Edmund E., to Westinghouse Electric Corp. Nuclear fuel assembly debris resistant bottom nozzle. 4,828,791, 5-9-89, Cl. 376-352.000.

DeMario, Edmund E.; Johansson, Anders; and Nylund, Olov, to AB Asea-Atom. Spacer for nuclear fuel rods. 4,839,136, 6-13-89, Cl. 376-462.000.

Demarne, Henri: *See—*

Diaz, Joseph; Demarne, Henri; Roncucci, Romeo; and Schmelck, Paul-Henry, 4,797,469, Cl. 530-324.000.

Mosse, Madeleine; Demarne, Henri; and Proietto, Vincenzo, 4,820,717, Cl. 514-317.000.

DeMars, Robert A. Towelette heating device. 4,857,708, 8-15-89, Cl. 219-385.000.

Demars, Yves; Szalata, Francois; and DeCoopman, Christian, to Isover Saint-Gobain. Formation of mineral fibre flakes and use of these flakes to reconstitute insulating mats. 4,852,219, 8-1-89, Cl. 19-305.000.

DeMarseilles, Paul H.; Glenn, Robert D.; and Sorensen, David A., to Sargent Manufacturing Corporation. Cylindrical lever handle lock. 4,869,083, 9-26-89, Cl. 70-224.000.

DeMartelaere, David L.; and Lindquist, Craig B., to Kent-Moore Corporation. Apparatus for precision tensioning of threaded fasteners. 4,845,998, 7-11-89, Cl. 73-862.230.

Demartini, Robert J. Rain gutter devices. 4,796,390, 1-10-89, Cl. 52-12.000.

DeMartino, John D.; and Yee, Wayne J. Quick connect/disconnect assembly. 4,822,197, 4-18-89, Cl. 403-154.000.

DeMartino, Ronald N., to Hoechst Celanese Corp. Side chain liquid crystalline condensation polymers exhibiting nonlinear optical response. 4,795,664, 1-3-89, Cl. 428-1.000.

DeMartino, Ronald N.; and Yoon, Hyun-Nam, to Hoechst Celanese Corp. Acrylic copolymers exhibiting nonlinear optical response. 4,801,670, 1-31-89, Cl. 526-263.000.

DeMartino, Ronald N.; and Yoon, Hyun-Nam, to Hoechst Celanese Corp. Acrylic copolymers exhibiting nonlinear optical response. 4,808,332, 2-28-89, Cl. 526-312.000.

DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, to Hoechst Celanese Corp. Side chain liquid crystalline polymers exhibiting nonlinear optical response. 4,810,338, 3-7-89, Cl. 204-157.880.

De Martino, Ronald N.; and Yoon, Hyun N., to Hoechst Celanese Corp. Acrylic copolymers exhibiting nonlinear optical response. 4,822,865, 4-18-89, Cl. 526-292.200.

DeMartino, Ronald N., to Hoechst Celanese Corporation. Condensation polymers exhibiting nonlinear optical response. 4,826,950, 5-2-89, Cl. 528-292.000.

DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, to Hoechst Celanese Corporation. Polyvinyl polymers exhibiting nonlinear optical response. 4,835,235, 5-30-89, Cl. 526-311.000.

DeMartino, Ronald N., to Hoechst Celanese Corporation. Side chain liquid crystalline condensation polymers exhibiting nonlinear optical response. 4,851,502, 7-25-89, Cl. 528-176.000.

De Martino, Ronald N.; Yoon, Hyun-Nam; and Stamatoff, James B., to Hoechst Celanese Corp. Side chain liquid crystalline polymers exhibiting nonlinear optical properties. 4,855,376, 8-8-89, Cl. 526-311.000.

DeMartino, Ronald N.; and Yoon, Hyun-Nam, to Hoechst Celanese Corp. Acrylic copolymers exhibiting nonlinear optical response. 4,865,430, 9-12-89, Cl. 350-376.000.

DeMartino, Ronald N., to Hoechst Celanese Corp. Condensation polymers exhibiting nonlinear optical response. 4,867,540, 9-19-89, Cl. 350-355.000.

- DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, to Hoechst Celanese Corp. Polysiloxane polymers exhibiting nonlinear optical response. 4,868,250, 9-19-89, Cl. 525-479.000.
- DeMartino, Ronald N.: *See—*
  - Leslie, Thomas M.; Yoon, Hyun-Nam; DeMartino, Ronald N.; and Stamatoff, James B., 4,796,976, Cl. 350-330.000.
  - Leslie, Thomas M.; Yoon, Hyun N.; DeMartino, Ronald N.; and Stamatoff, James B., 4,882,402, Cl. 526-243.000.
  - Yoon, Hyun-Nam; Leslie, Thomas M.; and DeMartino, Ronald N., 4,867,538, Cl. 350-350.00R.
- Demas, James N.; Jones, Wesley M.; and Keller, Richard A., to United States of America, Energy. Method for the substantial reduction of quenching effects in luminescence spectrometry. 4,845,368, 7-4-89, Cl. 250-459.100.
- Demas, Nickolas P.: *See—*
  - Fitzgerald, James J.; and Demas, Nickolas P., 4,795,373, Cl. 439-619.000.
- de Masi, Amerigo. Rack or transport tool for the manufacturing of printed wired boards. 4,820,396, 4-11-89, Cl. 204-297.00W.
- De Masi, Anthony, Jr.; and McMahon, John A., 3rd, to Roll-A-Puck Limited. Hockey puck. 4,801,144, 1-31-89, Cl. 273-128.00R.
- Demassey, Jacques: *See—*
  - Tessier, Jean; Demassey, Jacques; and Demoute, Jean-Pierre, 4,849,443, Cl. 514-419.000.
- Demassieux, Nicolas: *See—*
  - Jutand, Francis; Demassieux, Nicolas; and Dana, Michel, 4,853,887, Cl. 364-784.000.
- de Mathan, Olivier, to France Luzerne Complexe Agricole du Mont-Bernard. Process for drying vegetable matter using high-pressure steam. 4,820,542, 4-11-89, Cl. 426-636.000.
- DeMatteis, Robert B.; and Pflueger, Wayne A., to Cupples Paper Bag Company. Rack for plastic T-shirt grocery bags. 4,821,985, 4-18-89, Cl. 248-97.000.
- DeMatteo, John A.; and Pilant, Gregory P., to Dyna-5, Inc. Hard surface cleaning and polishing compositions. 4,859,359, 8-22-89, Cl. 252-174.150.
- De Matthaeis, Sisto Luigi: *See—*
  - Ausiello, Francesco P.; Ricco, Mario; and De Matthaeis, Sisto Luigi, 4,872,438, Cl. 123-514.000.
- Demay, Claude: *See—*
  - Robin, Michel; and Demay, Claude, 4,836,281, Cl. 166-272.000.
- Demay, Pierre, to Societe Nationale d'Etude et de Construction de Moteur d'Aviation. Jig or other tooling arrangement. 4,813,185, 3-21-89, Cl. 51-7.000.
- Demay, Yves; Gailliard, Jean-Pierre; Million, Alain; and Piaguet, Jean, to Commissariat a l'Energie Atomique. Cell for epitaxy by molecular beams and associated process. 4,813,373, 3-21-89, Cl. 118-726.000.
- DeMayo, Alexander: *See—*
  - Krygier, S. James; and DeMayo, Alexander, 4,889,491, Cl. 433-136.000.
- Demazeau, Gerard: *See—*
  - Biardeau, Gilles; Demazeau, Gerard; and Pouchard, Michel, 4,810,479, Cl. 423-290.000.
- Demby Industries, Inc.: *See—*
  - DeCaro, Charles J., 4,809,568, Cl. 81-57.370.
- Demchock, Stephen A.: *See—*
  - Acquaviva, Thomas; Wierszewski, Ronald R.; and Demchock, Stephen A., 4,844,434, Cl. 271-3.000.
- Demco Bingo Inc.: *See—*
  - Kondziolka, Stanley; and Klein, Henry, 4,885,700, Cl. 364-519.000.
  - Kondziolka, Stanley F.; and Klein, Henry, 4,882,688, Cl. 364-519.000.
- Demco, Inc.: *See—*
  - Burns, Daniel E., 4,833,897, Cl. 62-330.000.
- Deme, J. Howard: *See—*
  - Walden, William E.; and Deme, J. Howard, 4,870,413, Cl. 340-932.200.
- de Meester, Emiel P. J.: *See—*
  - Verstegen, Judicus M. P. J.; Verlijsdonk, Johannus G.; de Meester, Emiel P. J.; Van de Spijker, Willebrordus H. M. M.; and Verriet, Johannes G., 4,837,481, Cl. 313-486.000.
- DeMeester, Gordon D.; Holland, G. Neil; and Bearden, Francis H., to Picker International, Inc. Three dimensional volume imaging with conjugate symmetrization. 4,851,779, 7-25-89, Cl. 324-312.000.
- DeMeester, Gordon D.: *See—*
  - Denison, Kenneth S.; Holland, G. Neil; and DeMeester, Gordon D., 4,881,033, Cl. 324-309.000.
  - Holland, G. Neil; Provost, Terrence J.; DeMeester, Gordon D.; and Denison, Kenneth S., 4,833,407, Cl. 324-309.000.
- De Meij, Johannes P.: *See—*
  - Kamp, Ronald P. T.; and De Meij, Johannes P., 4,881,914, Cl. 445-73.000.
- De Meio, Apollonio: *See—*
  - Brandi, Roberto; and De Meio, Apollonio, 4,859,117, Cl. 405-224.000.
- DeMejo, Lawrence P.: *See—*
  - Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Wilson, John C., 4,837,393, Cl. 430-110.000.
  - Alexandrovich, Peter S.; DeMejo, Lawrence P.; Jadwin, Thomas A.; and Wilson, John C., 4,837,394, Cl. 430-110.000.
  - Anderson, James H.; Bugner, Douglas E.; DeMejo, Lawrence P.; Sutton, Richard C.; and Wilson, John C., 4,837,392, Cl. 430-110.000.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; De Mejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,806,284, Cl. 260-501.150.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,812,378, Cl. 430-110.000.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,812,381, Cl. 430-110.000.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,834,920, Cl. 260-501.150.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,840,864, Cl. 430-110.000.
  - Eugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,834,921, Cl. 260-501.150.
  - Wilson, John C.; Santilli, Domenic; and DeMejo, Lawrence P., 4,812,377, Cl. 430-109.000.
- Demellayer, Rene , to Charmilles Technologies S.A. Device and process for preventing the breaking of a metal wire. 4,825,030, 4-25-89, Cl. 219-69.120.
- De Mello, Carol R.: *See—*
  - Markwell, Roger E.; Ward, Robert W.; and De Mello, Carol R., 4,833,136, Cl. 514-212.000.
- de Mello, Ricardo T.: *See—*
  - de Castro Morshbacker, Antonio L. R.; Filho, Dante F. F.; Filho, Joaquim M. F.; da Fonseca, Marcus C.; and de Mello, Ricardo T., 4,849,190, Cl. 423-124.000.
- DeMello, Richard M.; Ham, Robert J.; Lang, Michael; Ouellette, Gerry D.; Slater, Andrea T.; and Trombley, Frederick W., III, to C. R. Bard, Inc. Soft tip catheter. 4,863,442, 9-5-89, Cl. 604-282.000.
- de Mendez, Michel; Negre, Jean J.; Guenin, Gerard; and Herubel, Guy, to Souriau & Cie. Electrical coupling using a material having shape memory. 4,810,201, 3-7-89, Cl. 439-161.000.
- de Mendez, Michel: *See—*
  - Crosnier, Jean-Jacques; de Mendez, Michel; and Maurin, Joel, 4,815,811, Cl. 350-96.200.
- DeMeo, Deborah A.; Bross, Robert M.; and Cook, Kenneth P., to Site Microsurgical Systems, Inc. Disposable peristaltic pump cassette system. 4,798,580, 1-17-89, Cl. 604-30.000.
- De Meringo, Alain: *See—*
  - Debouzie, Alain; Bouquet, Francois; and De Meringo, Alain, 4,826,722, Cl. 428-280.000.
- DeMeritt, Jeffery A.; Patykula, Thomas E.; and Sachenik, Paul A., to Corning Glass Works. Deep pressing mold and process for molded optical elements. 4,797,144, 1-10-89, Cl. 65-102.000.
- DeMeritt, Jeffery A.; and Long, Richard A., to Corning Glass Works. Expanded beam waveguide connector. 4,834,494, 5-30-89, Cl. 350-96.210.
- Demerly, Konstantin P.: *See—*
  - Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
- Demers, James P.; Murray, William V.; and Sulsky, Richard B., to Ortho Pharmaceutical Corporation. Cinnamohydroxamic acids. 4,820,828, 4-11-89, Cl. 549-362.000.
- Demers, James P., to Ortho Pharmaceutical Corporation. Process for the preparation of indazoles. 4,864,032, 9-5-89, Cl. 548-359.000.
- Demers, Rosario N., to United States of America, Air Force. Compressor blade clearance measurement system. 4,806,848, 2-21-89, Cl. 324-61.00R.
- Demerson, Christopher A.: *See—*
  - Katz, Alan H.; and Demerson, Christopher A., 4,822,781, Cl. 514-161.000.
  - Katz, Alan H.; Demerson, Christopher A.; and Humber, Leslie G., 4,826,994, Cl. 548-342.000.
  - Katz, Alan H.; and Demerson, Christopher A., 4,855,445, Cl. 548-432.000.
  - Sabatucci, Joseph P.; Demerson, Christopher A.; and Failli, Amadeo A., 4,810,699, Cl. 514-161.000.
- Demeter, Michael G.; Wichman, Paul E.; Endres, Linda S.; and Rohrer, Charles E., to Johnson Service Company. Personal environmental module. 4,872,397, 10-10-89, Cl. 98-31.600.
- Demetrius, Kris; and Spector, George. Sander paint scraper. 4,805,349, 2-21-89, Cl. 51-170.0PT.
- Demetron Gesellschaft Fuer Elektronik-Werkstoffe m.b.H.: *See—*
  - Hausselt, Juergen; Schittny, Stephan-U.; and Kaufmann, Dieter, 4,803,046, Cl. 420-83.000.
  - Hoffman, Dieter; Munz, Wolf-Dieter; Siewert, G. A. Horst; and Dietrich, Horst, 4,882,022, Cl. 204-192.150.
- Demeulemeester, Jean-Marc: *See—*
  - Demeulemeester, Jean-Robert; and Demeulemeester, Jean-Marc, 4,832,963, Cl. 426-8.000.
- Demeulemeester, Jean-Robert; and Demeulemeester, Jean-Marc. Method of treating fruits and vegetables for marketing. 4,832,963, 5-23-89, Cl. 426-8.000.
- deMey, Charles F., II, to Perkin-Elmer Corporation, The. Mounting system for vibration isolation. 4,871,142, 10-3-89, Cl. 248-632.000.
- deMey, Charles F., II, to Perkin-Elmer Corporation, The. Spectrometer detector mounting assembly. 4,883,356, 11-28-89, Cl. 356-326.000.

- De Meyer, Marcellus H.: *See—*
  - Roosen, Raymond A.; De Meyer, Marcellus H.; and Monbaliu, Marcel J., 4,830,941, Cl. 430-7.000.
- DeMeyer, Roy W.: *See—*
  - Boliver, Vincent J.; Roscizewski, Paul M.; Sankey, Edward L.; and DeMeyer, Roy W., 4,857,021, Cl. 439-801.000.
- DeMil, Edmond A. Process for improving floral fertility. 4,797,151, 1-10-89, Cl. 71-113.000.
- Deming, Gilbert R. Electronic funds transfer system. 4,823,264, 4-18-89, Cl. 364-408.000.
- DeMino, Joseph J.: *See—*
  - Wait, Thomas R.; DeMino, Joseph J.; and Smith, Bren R., 4,862,682, Cl. 56-255.000.
- Demiray, Temel: *See—*
  - Gettys, James R.; Johnson, Gordon H.; Demiray, Temel; and Faust, William D., 4,882,301, Cl. 501-17.000.
- Demiryont, Hulya, to Ford Motor Company. Electrochromic device and method of making an electrochromic layer therefor. 4,810,067, 3-7-89, Cl. 350-357.000.
- Demiryont, Hulya, to Ford Motor Company. Electrochromic material, method of making, and new electrochromic device. 4,830,471, 5-16-89, Cl. 350-357.000.
- Demiryont, Hulya, to Ford Motor Company. Method of making an electrochromic layer and new electrochromic device made therefrom. 4,837,592, 6-6-89, Cl. 350-357.000.
- Demiryont, Hulya, to Ford Motor Company. Electrochromic device, new cathodic electrochromic material and method of making. 4,842,382, 6-27-89, Cl. 350-357.000.
- Demiryont, Hulya, to Ford Motor Company. Cathodic electrochromic material, method of making, and new electrochromic device. 4,844,592, 7-4-89, Cl. 350-357.000.
- Demissy, Daniel: *See—*
  - Jeanjean, Robert; Demissy, Daniel; and Landry, Michel, 4,829,149, Cl. 200-148.00E.
- Demjanenko, Victor: *See—*
  - Neil, James E.; Demjanenko, Victor; and Caile, Christopher R., 4,803,718, Cl. 379-163.000.
  - Sachs, Frederick; and Demjanenko, Victor, 4,818,266, Cl. 65-27[illegible]
  - Sachs, Frederick; and Demjanenko, Victor, 4,828,599, Cl. 65-109.000.
- Demke, Kent R.; and Lubart, Neil D., to International Business Machines Corporation. Perceived contrast of liquid crystal displays. 4,834,506, 5-30-89, Cl. 350-333.000.
- Demlehner, Ulrich; Eck, Herbert; Hopf, Heinrich; Pilzweger, Erich; and Zeller, Otto, to Wacker-Chemie GmbH. Process for preparing water-repellent articles from gypsum powder containing hydrophobic agents. 4,851,047, 7-25-89, Cl. 106-111.000.
- Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., to AMP Incorporated. Laminated bus bar with power tabs. 4,867,696, 9-19-89, Cl. 439-212.000.
- Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., to AMP Incorporated. Connector assembly for use between mother and daughter circuit boards. 4,869,676, 9-26-89, Cl. 439-79.000.
- Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., to AMP Incorporated. Coaxial printed circuit board connector. 4,875,865, 10-24-89, Cl. 439-101.000.
- Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; Lauterbach, John H.; Sotolongo, Thomas J.; and Zwieg, Grover A., to AMP Incorporated. High density controlled impedance connector. 4,881,905, 11-21-89, Cl. 439-79.000.
- Demmel, Edward J.: *See—*
  - Velten, Terrance J.; and Demmel, Edward J., 4,826,793, Cl. 502-64.000.
- Demmer, Christopher G.; and Irving, Edward, to Ciba-Geigy Corporation. Photosensitive and electrodepositable phenolic resin with quinone diazide sulfonyloxy group. 4,839,253, 6-13-89, Cl. 430-190.000.
- Demmer, Christopher G.: *See—*
  - Banks, Christopher P.; Demmer, Christopher G.; and Irving, Edward, 4,857,437, Cl. 430-327.000.
- Demmer, Fritz; and Stemmle, Berthold, to Boehringer Mannheim GmbH. Clodronate-containing medicaments and a process for the preparation thereof. 4,859,472, 8-22-89, Cl. 424-489.000.
- Demmer, Fritz; Gruber, Werner; and Woog, Heinrich, to Boehringer Mannheim GmbH. Composition for a stable vein compatible injectable solution of torasemide process for the preparation and method of use. 4,861,786, 8-29-89, Cl. 514-347.000.
- Demmer, Fritz: *See—*
  - Stemmle, Berthold; Wirl, Alexander; and Demmer, Fritz, 4,828,839, Cl. 424-452.000.
- D'Emmerez de Charmoy, Roger D.: *See—*
  - Przydrozny, Michel; D'Emmerez de Charmoy, Roger D.; Sauvion, Guy N. L.; and Caillod, Jack J. R., 4,833,112, Cl. 502-304.000.
- Demny, Albert C.; Harwell, J. Matt; Etheridge, Reggie H.; and Bush, Robert E., to Seaboard-Arval Corporation. Universal flexbowl wellhead and well completion method. 4,886,121, 12-12-89, Cl. 166-382.000.
- De Mon, Bob; and Van Hoorn, Antonius I., to Hoogovens Groep B.V. Method of removal of polycyclic aromatic hydrocarbons from a liquid. 4,879,049, 11-7-89, Cl. 210-777.000.
- de Monchenault, Gauthier H.: *See—*
  - Huignard, Jean-Pierre; Loiseaux, Brigitte; de Monchenault, Gauthier H.; and Puech, Claude, 4,847,521, Cl. 307-425.000.
- de Montigny, Pierre M. R.; Sternson, Larry A.; Repta, Arnold J.; Stobaugh, John F.; Higuchi, Takeru, deceased (Dickinson, Martin B., Jr., co-executor); and Higuchi, Kenji W., co-executor, to Oread Laboratories, Inc. Assaying method for primary amines using aromatic dialdehydes. 4,837,166, 6-6-89, Cl. 436-111.000.
- de Montmollin, Vincent; and Brun, Yves, to Schlumberger Technology Corporation. Method of processing excitation response of a shaker disposed within a tool to obtain an equalized seismic signal. 4,872,114, 10-3-89, Cl. 364-421.000.
- Demopoulos, Constantine A. Compounds for inhibition of platelet activating factor activity. 4,851,450, 7-25-89, Cl. 514-738.000.
- Demorat, Jr. Gerald J.; and Weiler, William A., Sr., to International Business Machines Corporation. Electrostatic discharge grounding switch and method of operating same. 4,864,458, 9-5-89, Cl. 361-212.000.
- Demorotski, Michael: *See—*
  - Jancosek, David G.; Demorotski, Michael; and Noelting, Gregory, 4,845,332, Cl. 219-10.770.
- DeMoss, Dean; Richardson, Harvey J.; and Narasaki, Tom, to Unisys Corp. Flexible disk pack module with improved Delta-pak stiffeners. 4,823,215, 4-18-89, Cl. 360-98.020.
- Demoulin, Bernard, to Lainiere de Picardie, S.A. Process for the manufacture of a textile reinforcement. 4,868,012, 9-19-89, Cl. 427-208.200.
- Demoute, Jean-Pierre: *See—*
  - Martel, Jacques; Tessier, Jean; and Demoute, Jean-Pierre, 4,801,723, Cl. 549-313.000.
  - Tessier, Jean; Demoute, Jean-Pierre; and Taliani, Laurent, 4,798,901, Cl. 548-562.000.
  - Tessier, Jean; and Demoute, Jean-Pierre, 4,837,341, Cl. 549-283.000.
  - Tessier, Jean; Demassey, Jacques; and Demoute, Jean-Pierre, 4,849,443, Cl. 514-419.000.
  - Tessier, Jean; DeMoute, Jean-Pierre; and Cadiergue, Joseph, 4,849,449, Cl. 514-521.000.
  - Tessier, Jean; and Demoute, Jean-Pierre, 4,868,317, Cl. 549-302.000.
  - Tessier, Jean; Demoute, Jean-Pierre; and Cadiergue, Joseph, 4,879,302, Cl. 514-351.000.
- Dempsey, Daniel J.; and Ballard, Gary W., to Carrier Corporation. Control system for a furnace operating in the continuous blower mode. 4,815,524, 3-28-89, Cl. 165-12.000.
- Dempsey, Jack C. Shell and coil heat exchanger. 4,865,124, 9-12-89, Cl. 165-163.000.
- Dempsey, John C.; and Kotrappa, Payasada, to Rad Elec Inc. Subsoil radioactive gas measuring system. 4,814,608, 3-21-89, Cl. 250-253.000.
- Dempsey, John C.; and Kotrappa, Payasada, to Rad Elec Inc. Ionization chamber for monitoring radioactive gas. 4,853,536, 8-1-89, Cl. 250-253.000.
- Dempski, Robert E.; Scholtz, Edward C.; Nibbelink, Donald W.; and Reines, Scott A., to Merck & Co., Inc. Controlled release combination of carbidopa/levodopa. 4,832,957, 5-23-89, Cl. 424-469.000.
- Dempsky, Mark A.: *See—*
  - Gottesman, Jeffrey L.; Dempsky, Mark A.; Koch, Donald E.; and Rattan, Dev R., 4,878,048, Cl. 340-825.010.
- Dempster, Philip T.: *See—*
  - Bond, Malcolm L.; and Dempster, Philip T., 4,889,108, Cl. 128-25.00R.
- Demski, Leonard W.: *See—*
  - Dolph, Darrel A.; Demski, Leonard W.; Taylor, Robert E.; and McKendry, Arthur R., 4,825,385, Cl. 364-513.500.
  - Dolph, Darrel A.; Demski, Leonard W.; Taylor, Robert E.; and Loisel, Jean-Marie, 4,882,586, Cl. 341-169.000.
- Demstar Corporation: *See—*
  - Eidem, John C., 4,832,294, Cl. 248-125.000.
- Demukai, Enzo; and Monobe, Haruto, to Nippon Door Check Mfg. Co., Ltd. Bendable multiple window. 4,850,417, 7-25-89, Cl. 160-207.000.
- De Munck, Johannes W. J.; and Lohmeijer, Johannes H. G. M., to General Electric Company. Polymer mixture comprising a polyphenylene ether, a block copolymer, a phosphate ester and additives. 4,879,330, 11-7-89, Cl. 524-151.000.
- De Munno, Angela: *See—*
  - Bertini, Vincenzo; De Munno, Angela; Lucchesini Francesco; Buffoni, Franca; and Bertocci, Barbara, 4,888,283, Cl. 435-184.000.
- Demura, Hiroshi; Kawahashi, Akira; Hayashi, Kazumi; and Kokubu, Sadao, to Toyota Jidosha Kabushiki Kaisha; and Kabushiki Kaisha Tokai Rika Denki Seisakusho. Liquid crystal antidazzle mirror. 4,799,769, 1-24-89, Cl. 350-331.00R.
- Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, to Toyota Jidosha Kabushiki Kaisha; and Kabushiki Kaisha Tokai Rika Denki Seisakusho. Liquid crystal antidazzle mirror. 4,820,022, 4-11-89, Cl. 350-331.00R.
- Demura, Hirotaka: *See—*
  - Tsukada, Keiichi; Demura, Hirotaka; and Yamada, Tokushi, 4,794,728, Cl. 47-64.000.
- Demura, Makoto: *See—*
  - Asakura, Koichi; Demura, Makoto; and Matsumoto, Takenori, 4,879,660, Cl. 364-474.150.
- Demura, Shigeki; and Oura, Toshio, to NEC Corporation. Semiconductor memory device with address generator. 4,841,487, 6-20-89, Cl. 365-230.010.
- Demura, Takayuki; and Igarashi, Kohei, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system having improved exhaust emission characteristics. 4,881,368, 11-21-89, Cl. 60-274.000.
- Demura, Takayuki: *See—*
  - Okumura, Atsuo; and Demura, Takayuki, 4,811,557, Cl. 60-274.000.

DeMuro, David M.; and Agahi-Kesheh, Darioush, to Motorola, Inc. Monolithic ceramic filter with bandstop function. 4,823,098, 4-18-89, Cl. 333-206.000.

de Muro, David M.; Stillmank, John G.; and Rabe, Duane C., to Motorola, Inc. Surface mount filter with integral transmission line connection. 4,879,533, 11-7-89, Cl. 333-206.000.

De Muro, David M.: *See—*
  Green, Steven R.; De Muro, David M.; and Sokola, Raymond L., 4,829,274, Cl. 333-202.000.

Demuth, Gunther, to Du Pont de Nemours, E. I., and Company. Recording system for irradiation therapy. 4,839,266, 6-13-89, Cl. 430-524.000.

Demuth, Martin: *See—*
  Schaffner, Kurt; and Demuth, Martin, 4,864,037, Cl. 549-274.000.

Demuth, Robert; and Wuest, Anton, to Maschinenfabrik Rieter AG. Device for cleaning at least one sensor roller and method of cleaning such sensor roller. 4,820,350, 4-11-89, Cl. 134-6.000.

Demuth, Robert; Hefti, Walter; Keller, Urs; and Hanselmann, Daniel, to Rieter Machine Works Ltd. Bobbin tube and package support and bearing unit therefor and filament tape-up system. 4,848,686, 7-18-89, Cl. 242-18.0DD.

Demuth, Robert; and Hanselmann, Daniel, to Maschinenfabrik Rieter AG. Package former support device. 4,848,689, 7-18-89, Cl. 242-18.0DD.

Demuth, Robert: *See—*
  Staheli, Paul; Demuth, Robert; and Fritzsche, Peter, 4,854,011, Cl. 19-105.000.
  Staheli, Paul; Demuth, Robert; and Fritzsche, Peter, 4,860,406, Cl. 19-105.000.

Demyanov, Marat L.: *See—*
  Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.

Demyanovich, Nikolai A.: *See—*
  Milov, Vladimir N.; Loginov, Anatoly A.; Ostrenko, Nikolai S., deceased; Gorsky, Viktor I.; Demyanovich, Nikolai A.; Davletkhanov, Rifkhat B.; Klimets, Sergei N.; Dokshin, Gennady P.; Telyatnikov, Jury A.; Yarkin, Vladislav I.; Ostrenko, Ekaterina A., administrator; Chevalkova, Inna E., administrator; and Stebakova, Alla E., administrator, 4,817,700, Cl. 164-259.000.

Den-Mat Corporation: *See—*
  Ibsen, Robert L.; and Glace, William R., 4,859,716, Cl. 522-14.000.

Den Norske Stats Oljeselskap A.S.: *See—*
  Bencze, Istavan, 4,848,471, Cl. 166-335.000.
  Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,880,763, Cl. 502-302.000.
  Hjelset, Kurt J., 4,795,198, Cl. 285-32.000.
  Horvei, Knut, 4,850,505, Cl. 220-319.000.
  Johansen, Trond V.; Ruch, Ola; Naess, Ludvig; Weber, Robert; Veenhoff, Bernd; Porner, Horst; Laurer, Erwin; Strickroth, Erich; and Schabert, Hans-Peter, 4,852,614, Cl. 138-93.000.
  Kalvenes, Bjorn K.; Guthormsen, Oyvind; and Erstad, Troels, 4,842,075, Cl. 166-341.000.
  Nilsen, Magne P., 4,858,692, Cl. 166-285.000.
  Ruch, Ola; Johansen, Trond V.; Naess, Ludvig; Poerner, Horst; Gebhard, Georg; Weber, Robert; and Heller, Max, 4,852,391, Cl. 73-40.50R.
  Svenning, Bjornar; Svensson, Rune; and Truedesson, Lars, 4,805,549, Cl. 114-325.000.
  Svenning, Bjornar, 4,860,681, Cl. 114-321.000.
  Tveit, Egil, 4,870,626, Cl. 367-130.000.

Den Norske Stats Oljeslenskap A.S.: *See—*
  Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,801,573, Cl. 502-302.000.

Den-Tal-Ez, Inc.: *See—*
  Bartlett, Randall N.; Case, Robert; Sauls, John; Jenkins, Arden; and McNew, James, 4,824,190, Cl. 312-138.00R.

DeNale, Robert; Lukens, William E.; and Marsh, Luther A., to United States of America, Navy. Flexible extendable backing shield for welding reactive metals. 4,866,236, 9-12-89, Cl. 219-74.000.

Denar Corporation: *See—*
  Krueger, Kenneth K., 4,818,227, Cl. 433-27.000.

Denaro, Maurizio: *See—*
  Riva, Ernesto; Selva, Enrico; Denaro, Maurizio; Cassani, Giovanni; and Parenti, Francesco, 4,804,534, Cl. 424-118.000.

Denault, Wesley C.: *See—*
  Holm, David A.; and Denault, Wesley C., 4,799,648, Cl. 254-420.000.

Denayrolles, Yves: *See—*
  Berthet, Olivier; Greffet, Jean-Jacques; and Denayrolles, Yves, 4,799,788, Cl. 356-45.000.

Denbleyker, Alfred L., to Texaco Inc. Quench ring for a gasifier. 4,801,306, 1-31-89, Cl. 48-69.000.

Den Bleyker, Alfred L., to Texaco Inc. Internally channelled gasifier quench ring. 4,828,578, 5-9-89, Cl. 48-69.000.

Den Bleyker, Alfred L., to Texaco Inc. Dip tube with jacket. 4,880,438, 11-14-89, Cl. 48-69.000.

Den Boef, Arie J., to U.S. Philips Corp. Arrangement for optically measuring a distance between a surface and a reference plane. 4,874,246, 10-17-89, Cl. 356-375.000.

Den Boef, Johannes H., to U.S. Philips Corp. Fast method and device for determining an NMR distribution in a region of a body. 4,812,762, 3-14-89, Cl. 324-309.000.

Den Boef, Johannes H., to U.S. Philips Corporation. Magnetic resonance imaging apparatus. 4,890,061, 12-26-89, Cl. 324-320.000.

Den Boef, Johannes H.: *See—*
  Mehlkopf, Antoon F.; and Den Boef, Johannes H., 4,879,514, C 324-309.000.

Denboer, Anthony J. Grinding and polishing apparatus. 4,876,826, 10-31-89, Cl. 51-125.000.

Den Boer, Jacob A.: *See—*
  Popma, Theo J. A.; and Den Boer, Jacob A., 4,820,926, C 250-486.100.

Denco, Inc.: *See—*
  Shaposka, John B.; and Spencer, Dudley W. C., 4,832,773, C 156-158.000.
  Shaposka, John B.; and Spencer, Dudley W., 4,864,101, C 219-243.000.

Dencor Energy Cost Controls, Inc.: *See—*
  Hedman, Theodore A.; and Moe, Maynard L., 4,819,180, C 364-492.000.

Denda, Masahiko, to Director General, Agency of Industrial Science and Technology. Method of bonding a semiconductor to a package with a low and high viscosity bonding agent. 4,871,405, 10-3-89, C 156-74.000.

Denda, Toshio, to Teraoka Seiko Co., Ltd. Stretch film packaging machine. 4,862,670, 9-5-89, Cl. 53-131.000.

Denda, Toshio, to Teraoka Seiko Co., Limited. Film folding control apparatus of wrapping system. 4,884,209, 11-28-89, Cl. 364-468.

den Daas, Jan W., to Kwekerij de Bollard B.V. Method and an apparatus for mechanized setting out and harvesting of chicory. 4,879,840, 11-14-89, Cl. 47 58.000.

Denehunt Ltd.: *See—*
  Lovatt-Smith, Frederick D., 4,797,434, Cl. 524-60.000.

Deneke, Ulfert; Nagel, Rolf; Rothe, Anselm; and Freitag, Helmu, to Boehringer Mannheim GmbH. Multilayer test strip device with a dissolvable reagent layer. 4,876,067, 10-24-89, Cl. 422-56.000.

Denen, Dennis J.; Thurston, Marlin O.; and Ramsey, Raymond C., to Neoprobe Corporation. Detector and localizer for low energy radiation emissions. 4,801,803, 1-31-89, Cl. 250-336.100.

Deneris, Evan A.: *See—*
  Mower, Vaughn L.; Deneris, Evan A.; and Cox, John B., 4,839,60 Cl. 328-14.000.

Deneuchatel, Christian M.: *See—*
  Lanfranca, Michel J.; Labrousse, Jean-Michel J.; and Deneuchatel, Christian M., 4,805,130, Cl. 364-786.000.

deNeufville, John P.; Rajoria, Dalbir; and Ovshinsky, Stanford R., to Voltaix, Inc. Composite coating for electrochemical electrode and method. 4,861,573, 8-29-89, Cl. 423-464.000.

Deneuville, Claude; and Hondermarck, Dominique, to S N C Le Pet Cuisinier. Process for preparing elaborated food products and installation for carrying out the process. 4,805,524, 2-21-89, Cl. 99-339.000.

deNevers, Noel H.; Gardner, James H.; and Norton, Robert M., to Aurora Design Associates, Inc. Server for displaying and keeping cool wine bottles and the like. 4,809,522, 3-7-89, Cl. 62-457.000.

Dengler, Gisela: *See—*
  Deeg, Rolf; Dengler, Gisela; and Ziegenhorn, Joachim, 4,868,13 Cl. 436-13.000.

Dengler, Herbert, to Bayerische Mass-Industrie Arno Keller GmbH Bubble level. 4,860,459, 8-29-89, Cl. 33-379.000.

Dengo, Tadao: *See—*
  Kamasaki, Keiji; Dengo, Tadao; Fukuda, Ikuo; and Motoyama Hideaki, 4,796,084, Cl. 357-84.000.

Denham, Stuart K.: *See—*
  Ragland, Owtis J., Jr., deceased; Westlund, Arnold E., Jr.; Reynolds, Paul B.; and Denham, Stuart K., 4,806,817, C 313-279.000.

den Hartog, Gerardus H. J. Suspension bar for anode and/or cathode sheets in the electrolytic refining of metals and a method for the manufacture of such a suspension bar. 4,871,436, 10-3-89, C 204-286.000.

den Hartog, Gerardus J. H., to Aarding Non Ferro Werk B.V. Clamp for connecting together a ground lead and a ground rod. 4,887,97 12-19-89, Cl. 439-92.000.

den Hartog, Huibert W.; and van Perlstein, Erik B., to Hoogovens Groep B.V. Method for the manufacture of formable steel strip 4,885,041, 12-5-89, Cl. 148-2.000.

Denhoff, Donald P.: *See—*
  Brandt, Charles M.; Denhoff, Donald P.; Everett, C. Joe; Murr Donald F.; and Wilson, William H., 4,805,793, Cl. 215-10.000

Denholtz, Jeffrey R.: *See—*
  Rudy, Jerome B.; Denholtz, Melvin; Denholtz, Jeffrey R.; and Bohm, Peter D., 4,837,008, Cl. 424-53.000.

Denholtz, Melvin: *See—*
  Rudy, Jerome B.; Denholtz, Melvin; Denholtz, Jeffrey R.; and Bohm, Peter D., 4,837,008, Cl. 424-53.000.

DeNicola, Joseph P.: *See—*
  McMahon, Stephen M.; and DeNicola, Joseph P., 4,823,473, C 33-787.000.

Deniega, Jose C.: *See—*
  Bedi, James J.; Golden, Donald M.; Gaterud, Mark T.; Mika Anthony S.; Deniega, Jose C.; Smith, Richard; and Yorks W Brinton, Jr., 4,805,617, Cl. 128-334.00C.

Denier, Robert F.; Litzinger, Elmer F.; and Alford, Ezra D., to Brown & Williamson Tobacco Corporation. Process for forming flavor compounds in tobacco. 4,825,884, 5-2-89, Cl. 131-309.000.

Deninno, Nicholas: *See—*
  Carlson, Christopher M.; and Deninno, Nicholas, 4,876,545, C 342-14.000.

Denis, Gerard; and Rius, Jean-Michel, to Sidel. Method for manufacturing heat resistant PET containers. 4,836,971, 6-6-89, Cl. 264-521.000.

Denis, Gerard; and Rius, Jean-Michel, to Sidel. Apparatus for heat treatment of preform necks. 4,846,656, 7-11-89, Cl. 425-174.400.

Denis, Gilles: *See—*
  Rouger, Jean-Michel; Denis, Gilles; and Liabeuf, Bernard, 4,835,498, Cl. 333-205.000.

Denis, Herve : *See—*
  Fiorina, Jean-Noel; and Denis, Herve , 4,853,833, Cl. 363-47.000.

Denis, Jean-Pierre; Andries, Nicole; and Fonsny, Pierre, to Colgate-Palmolive Co. Liquid abrasive cleansing composition containing grease-removal solvent. 4,869,842, 9-26-89, Cl. 252-121.000.

Denis, Laurent, to Equipements Denis Inc. Ring saw. 4,817,692, 4-4-89, Cl. 144-3.00D.

Denis, Philippe; and Frances, Jean-Marc, to Rhone-Poulenc Chimie. Preparation of hexenedioic acid diesters. 4,857,657, 8-15-89, Cl. 560-193.000.

Denis, Philippe V.: *See—*
  Agostini, Louis P. C.; and Denis, Philippe V., 4,833,552, Cl. 360-92.000.
  d'Alayer de Costemore d'Arc, Stephane M.; and Denis, Philippe V., 4,839,880, Cl. 369-75.200.

Denison, Kenneth S., to Picker International, Inc. DC artifact removal in magnetic resonance imaging. 4,862,081, 8-29-89, Cl. 324-307.000.

Denison, Kenneth S.; Holland, G. Neil; and DeMeester, Gordon D., to Picker International, Inc. Noise-reduced synthetic T2 weighted images. 4,881,033, 11-14-89, Cl. 324-309.000.

Denison, Kenneth S.: *See—*
  Holland, G. Neil; Provost, Terrence J.; DeMeester, Gordon D.; and Denison, Kenneth S., 4,833,407, Cl. 324-309.000.

Denisov, Genrikh A.: *See—*
  Revnivtsev, Vladimir I.; Zarogatsky, Leonid P.; Denisov, Genrikh A.; and Fedyakov, Viktor V., 4,844,362, Cl. 241-210.000.

Denk, Heimo: *See—*
  Lackner, Gerald; and Denk, Heimo, 4,809,540, Cl. 73-117.200.

Denk, Joseph, to Allied-Signal Inc. Toothless stator electrical machine construction method. 4,852,245, 8-1-89, Cl. 29-596.000.

Denker, Dietrich; Seifert, Peter; Weber, Otto; and Schicht, Horst, to Volkswagen AG. Understructure for an automobile. 4,824,166, 4-25-89, Cl. 296-204.000.

Denker, James M. Actuator. 4,838,148, 6-13-89, Cl. 92-90.000.

Denker, Roger H.; and Visser, Arie, to Extrema Systems International Corporation. Extrema coder employing noisy limiting amplifier stages. 4,819,199, 4-4-89, Cl. 364-807.000.

Denker, Stanley D., to Doboy Packaging Machinery, Inc. Product alignment device. 4,889,224, 12-26-89, Cl. 198-382.000.

Denki Kagaku Kogyo Kabushiki Kaisha: *See—*
  Iriuchijima, Shinobu; Onodera, Nobuo; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,849,438, Cl. 514-373.000.
  Maeda, Tetsuro, 4,812,516, Cl. 525-83.000.
  Maeda, Tetsuro; Wada, Fukuaki; Ohoka, Susumu; and Okamoto, Akihiro, 4,876,145, Cl. 428-327.000.
  Mori, Yoshiharu; Yamada, Suzuya; Saito, Mitsuaki; Hagiwara, Hirotoshi; and Ehara, Kenichi, 4,878,866, Cl. 445-36.000.
  Nishikawa, Hiroshi; Matsuda, Koichi; and Nakashima, Masami, 4,795,723, Cl. 501-98.000
  Nomura, Tomohiko; Shimizu, Hitoshi; Inoue, Hiroshi; Ishizuka, Yoshimi; and Hirano, Hiroshi, 4,816,501, Cl. 523-406.000.
  Okuda, Akihiko; Totake, Yukinori; and Matsumura, Hideki, 4,876,407, Cl. 570-239.000.
  Takagi, Touichi; Ametani, Kohei; and Shimizu, Kouichi, 4,812,426, Cl. 501-136.000.
  Tanji, Hiroaki; Suzuki, Masaharu; Nomura, Kenji; Watanabe, Shojiro; and Kawasaki, Takashi, 4,849,146, Cl. 264-81.000.
  Terasaki, Ryuichi; Sato, Shinsei; Ogata, Yoichi; Nozawa, Kazumi; and Nakajima, Yukihiko, 4,816,338, Cl. 428-408.000.
  Watanabe, Yoshiharu; Shimizu, Hisayuki; Ito, Mineo; and Moriyama, Hitoshi, 4,861,378, Cl. 106-314.000.

Denki Kagaku Koygo Kabushiki Kaisha: *See—*
  Iriuchijima, Shinobu, Kobayashi, Hirohiko; Masuda, Takahito; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,855,311, Cl. 514-373.000.

Denki Onkyo Co., Ltd.: *See—*
  Ohtsu, Shinji; Arai, Shunji; and Takamatsu, Yoshimitsu, 4,833,432, Cl. 335-212.000.
  Ohtsu, Shinji; and Yabushita, Harayasu, 4,853,588, Cl. 313-440.000.

Denkinger, Rainer: *See—*
  Wolf, Rainer; Volz, Juergen; Denkinger, Rainer; Nolte, Volker; and Hussy, Gerd, 4,869,498, Cl. 272-130.000.

Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Connecting block construction. 4,820,192, 4-11-89, Cl. 439-404.000.

Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Wall mounted connecting block. 4,865,564, 9-12-89, Cl. 439-404.000.

Denko, Nicholas: *See—*
  Stamato, Thomas D.; and Denko, Nicholas, 4,830,726, Cl. 204-299.00R.

Denley, Brian W.: *See—*
  Comey, David M., Denley, Brian W.; and White, William J., 4,814,620, Cl. 250-352.000.

Denlinger, Keith R.; Glatfelter, Scott; and Hunt, Alexander, III, to AMP Incorporated. Electrical connector with a deflectable shunt. 4,850,888, 7-25-89, Cl. 439-188.000.

Denlinger, Keith R.; and Rudy, William J., Jr., to AMP Incorporated. Recessed metal-to-plastic joint. 4,867,597, 9-19-89, Cl. 403-285.000.

Denman, Dennis L. Accessory for livestock injection operations. 4,850,484, 7-25-89, Cl. 206-366.000.

Denman, Robert Z. Garment especially adapted for protecting the knees while gardening. 4,831,666, 5-23-89, Cl. 2-23.000.

Denman, Stephen A., to Tekex Company. Apparatus for dispensing viscous materials. 4,804,144, 2-14-89, Cl. 239-346.000.

Denman, Stephen A., to Bloom, Jerome P., a part interest. Self balancing universal joint. 4,840,601, 6-20-89, Cl. 464-157.000.

Denman, Stephen A.; and Taylor, Garthwood R., to Deuer Manufacturing Inc. Apparatus for securing a spare tire on a vehicle. 4,884,785, 12-5-89, Cl. 254-389.000.

Denmark, Henry M., to DAMCO Plastics Corporation. Dome shaped animal shelter. 4,802,443, 2-7-89, Cl. 119-19.000.

Denmark, Stanley J. Dental prophylaxis device. 4,831,676, 5-23-89, Cl. 15-104.930.

Dennany, Robert D., Jr.; and Pontbriand, Duane J., to ITT Corporation. Quick connect connector. 4,875,715, 10-24-89, Cl. 285-87.000.

Denne, William. X-ray laser. 4,875,214, 10-17-89, Cl. 372-5.000.

Denneer Corporation: *See—*
  Greggs, Thomas S., 4,822,279, Cl. 433-202.100.

Dennehey, T. Michael: *See—*
  Pattillo, Martha C.; Bacehowski, David V.; Bilstad, Arnold C.; Cullis, Herbert M.; Dennehey, T. Michael; Yang, James W.; and Brown, William C., 4,829,002, Cl. 435-284.000.

Dennehy, Michael J., Jr.; and Rials, Robert A., to XTRA Corporation. Load positioning container chassis. 4,836,735, 6-6-89, Cl. 414-475.000.

Denneman, Jan W.: *See—*
  Dorleijn, Jan W. F.; van der Heijden, Rudolf L. A.; and Denneman, Jan W., 4,868,463, Cl. 315-326.000.

Dennerlein, Ludwig; and Walters, Eckhard, to U.S. Philips Corporation. Method of and circuit for brightness and temperature-dependent control of an LCD illuminator. 4,869,459, 9-19-89, Cl. 315-158.000.

Dennert, Hans V.: *See—*
  Dennert, Heinz; Dennert, Hans V.; and Seidl, Alois, 4,826,788, Cl. 501-39.000.

Dennert, Hans Veit: *See—*
  Dennert, Heinz; Dennert, Hans V.; and Seidl, Alois, 4,826,788, Cl. 501-39.000.

Dennert, Heinz; Dennert, Hans V.; and Seidl, Alois, to Dennert, Heinz; and Dennert, Hans Veit. Composition for producing foamed glass molded products. 4,826,788, 5-2-89, Cl. 501-39.000.

Dennesen, Joseph C., to Dennesen, Joseph C.; and Stover, Thomas C. Transfer printing apparatus. 4,803,922, 2-14-89, Cl. 101-41.000.

Denney, Kimberly K.; and Block, Norman G., to Quantum Chemical Corporation. Control of pH in water quench of a partial oxidation process. 4,854,942, 8-8-89, Cl. 48-197.00R.

Denney, Richard L.; and Guthery, Scott B., to Schlumberger Technology Corporation. Reconfiguration advisor. 4,815,076, 3-21-89, Cl. 371-11.000.

Denning, Barry K.: *See—*
  Ziegler, Duane H.; Kerckhove, Dennis A.; Hansen, Jerry W.; and Denning, Barry K., 4,838,010, Cl. 56-10.200.

Denning, Gary R. Pavement and methods for producing and resurfacing pavement. 4,856,930, 8-15-89, Cl. 404-31.000.

Denning Mobile Robotics, Inc.: *See—*
  Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., 4,815,008, Cl. 364-513.000.
  Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., 4,829,442, Cl. 364-449.000.
  Taivalkoski, Amy L.; and Kadonoff, Mark B., 4,821,192, Cl. 364-424.020.

Denning, Ralph M.; Hall, John M.; and Jordan, Terence, to Rolls-Royce PLC. Variable area exhaust nozzle for a gas turbine engine. 4,821,979, 4-18-89, Cl. 244-23.00D.

Denninghoff, Ralf: *See—*
  Bodmann, Erik; Denninghoff, Ralf; and Schmidt, Anton, 4,816,212, Cl. 376-381.000.

Dennis, Jack B., to Dataflow Computer Corporation. Dataflow processing element, multiprocessor, and processes. 4,814,978, 3-21-89, Cl. 364-200.000.

Dennis, James W., to Mount Sinai Hospital Corporation. Compositions containing golgi alpha-mannosidase II inhibitors. 4,857,315, 8-15-89, Cl. 424-85.200.

Dennis, John K.: *See—*
  Turner, Michael; Dennis, John K.; and Eastham, David R., 4,795,682, Cl. 428-646.000.

Dennis, John R.; and White, Billy W., to Halliburton Company. Pressure communicating, fluid isolating interface. 4,817,437, 4-4-89, Cl. 73-756.000.

Dennis, Jonathan R.: *See—*
  Boughton, John H.; Butz, Ralph A.; Cheng, Herman C. T.; Dennis, Jonathan R.; Hannon, Brian T.; and Weigel, Janet H., 4,879,043, Cl. 210-651.000.

Dennis, Kent S., to Dow Chemical Company, The. Preparation of triblock copolymers. 4,839,430, 6-13-89, Cl. 525-280.000.

Dennis, Kent S., to Dow Chemical Company, The. Gelled organic liquid and method for making. 4,847,318, 7-11-89, Cl. 524-516.000.

Dennis, Kent S., to Dow Chemical Company, The. Preparation of triblock copolymers. 4,885,343, 12-5-89, Cl. 525-280.000.

Dennis, Kevin: *See—*
Keem, John; Im, Jun S.; Tyler, John; Bergeron, Richard; Dennis, Kevin; and Hoeft, David, 4,867,785, Cl. 75-0.50C.

Dennis, Linda H. Process for forming embellished fabric by core yarn removal. 4,870,999, 10-3-89, Cl. 139-383.00R.

Dennis, Louise L. One piece hospitality stair bracket for rugs. 4,864,685, 9-12-89, Cl. 16-10.000.

Dennis, Mahlon D., to Diamant Boart-Stratabit (USA) Inc. Method of forming a cutting element having a V-shaped diamond cutting face. 4,819,516, 4-11-89, Cl. 76-101.00R.

Dennis, Malcolm I.: *See—*
Bishop, Chester O., Jr.; Dennis, Malcolm I.; Riley, Peter S.; Richardson, Christopher C.; and Shaw, Vincent P., 4,853,678, Cl. 340-573.000.

Dennis, Michael: *See—*
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Dennis, Nicholas; and Burrell, Donald C., to Dow Chemical Company, The. Alditol ester derivative of triclopyr, and herbicidal use thereof. 4,857,102, 8-15-89, Cl. 71-94.000.

Dennis, Paul: *See—*
Magnin, Anthony A.; Wah, Po-Shing; and Dennis, Paul, 4,849,508, Cl. 530-387.000.

Dennis, Peter A.: *See—*
Edmonds, Michael G.; and Dennis, Peter A., 4,848,859, Cl. 312-257.100.

Dennis, Raymond L. Superlight. 4,814,957, 3-21-89, Cl. 362-187.000.

Dennis, Richard: *See—*
Smith, William D.; Dennis, Richard; Brathwaite, Nicholas; and Blish, Richard C., II, 4,870,224, Cl. 174-52.400.

Dennis, Richard K. Process for connecting lead frame to semiconductor device. 4,816,427, 3-28-89, Cl. 437-209.000.

Dennis, Richard K. Lead frame for semi-conductor device. 4,846,700, 7-11-89, Cl. 439-68.000.

Dennis, Robert R. Universal articulatable support for retaining intravenous stands in medical applications. 4,886,237, 12-12-89, Cl. 248-289.100.

Dennis, Robert W.; Dye, Charles J.; and Keasey, Alan, to BP Chemicals Limited. Low toxicity oil composition and use thereof in drilling fluids. 4,839,096, 6-13-89. Cl. 252-8.515.

Dennis, Ronald D.; Dolak, Terence M.; and Kreighbaum, William E., to Bristol-Myers Company. Process for resolution of optical isomers. 4,849,527, 7-18-89, Cl. 548-307.000.

Dennis, Willard A. Electric drag strip apparatus. 4,872,680, 10-10-89, Cl. 273-86.00B.

Dennison Manufacturing Company: *See—*
Anemaet, John M., 4,870,251, Cl. 219-243.000.
Beaudet, Leo A., 4,819,013, Cl. 346-159.000.
Beaudet, Leo A., 4,822,631, Cl. 427-14.100.
Franklin, Harlow; Cooper, William J.; and Deschenes, Charles L., 4,877,172, Cl. 227-67.000.
Hill, John A., III; Miekka, Richard G.; and Cohen, Norman B., 4,857,398, Cl. 428-331.000.
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Leahy, David J., 4,824,517, Cl. 156-584.000.
Leahy, David J., 4,828,502, Cl. 434-416.000.
Leahy, David J., 4,884,718, Cl. 220-339.000.
Miekka, Richard G.; Hubbard, Roswell E.; McDermott, John F.; and Clough, Philip J., 4,804,430, Cl. 156-233.000.
Nechay, Jack A.; Bauer, Fritz E.; Danti, Bernard R.; and Lukkarinen, Mark, 4,832,783, Cl. 156-448.000.
Pickering, John H., 4,816,321, Cl. 428-199.000.
Pickering, John H., 4,816,322, Cl. 428-199.000.
Pitts, Warren R. 4,830,268, Cl. 229-68.00R.
Pitts, Warren R., 4,840,406, Cl. 281-1.000.
Tighe, Laurence E.; and Parker, Tim, 4,864,089, Cl. 219-10.55E.
Tighe, Laurence E.; and Parker, Tim, 4,876,423, Cl. 219-10.55E.

Dennison, Richard L., to Minnesota Mining and Manufacturing Company. Hot melt adhesive applicator and temperature control circuit therefor. 4,816,642, 3-28-89, Cl. 219-230.000.

Dennison, Stanley M.; and Prater, Cordell E., to Texas Instruments Incorporated. Static row driver. 4,884,240, 11-28-89, Cl. 365-189.090.

Denniston, Donald W. Method and apparatus for forming fibers from thermoplastic materials. 4,861,362, 8-29-89, Cl. 65-5.000.

Denniston, Donald W. Method and apparatus for forming fibers from thermoplastic materials. 4,889,546, 12-26-89, Cl. 65-5.000.

Dennstedt, Welf: *See—*
Nijhawan, Subash-Chander; Daniel, Horst; and Dennstedt, Welf, 4,840,857, Cl. 429-197.000.

Denny Bros. Printing Limited: *See—*
Cooper, Michael J., 4,847,130, Cl. 428-40.000.

Denny, David S.; Metzger, Edward R.; Rexroad, John; and Glynn, William, to Sinco, Inc. Debris barrier. 4,815,562, 3-28-89, Cl. 182-138.000.

Denny, David S.; Metzger, Edward C. R.; Rexroad, John; and Glynn, William, to SINCO, Inc. Debris barrier. 4,875,549, 10-24-89, Cl. 182-138.000.

Denny, Herman C., to Westinghouse Electric Corp. Electrical discharge machining electrode. 4,855,557, 8-8-89, Cl. 219-69.150.

Denny, Lee N.: *See—*
Fisher, David W.; Denny, Lee N.; and Furlong, Joseph T., 4,805,538, Cl. 108-7.000.

Denny, Luan J., to International Business Machines Corporation. Threshold alarms for processing errors in a multiplex communications system. 4,817,092, 3-28-89, Cl. 371-11.000.

Denny, Patrick J., to Imperial Chemical Industries PLC. Desulphurization. 4,861,566, 8-29-89, Cl. 423-230.000.

Denny, Patrick J.; and Wood, Peter, to Imperial Chemical Industries PLC. Agglomerate absorbents comprising copper and zinc for sulphur compounds removal. 4,871,710, 10-3-89, Cl. 502-414.000.

Denny, Patrick J.: *See—*
Carnell, Peter J. H.; and Denny, Patrick J., 4,888,157, Cl. 423-230.000.

Denny, Ralph E.: *See—*
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Denny, Thomas A. Intravenous injection shield assembly. 4,870,976, 10-3-89, Cl. 128-877.000.

Denny, William A.: *See—*
Atwell, Graham J.; Baguley, Bruce C.; Denny, William A.; and Rewcastle, Gordon W., 4,795,826, Cl. 564-99.000.

Deno, Koji: *See—*
Matsui, Isamu; Ohashi, Kenji; and Deno, Koji, 4,877,194, Cl. 242-35.60R.

Deno, Milton C.; Smith, Eugene A., Jr.; and Delaruelle, Dale H., to Harris Corp. Adaptive air brake control system. 4,859,000, 8-22-89, Cl. 303-33.000.

Denofrio, Charles. Electroplating apparatus. 4,871,435, 10-3-89, Cl. 204-224.00R.

de Nora, Oronzio; and Nidola, Antonio. Membrane cell for the electrolysis of alkali metal chloride and process thereof. 4,869,799, 9-26-89, Cl. 204-252.000.

de Nora, Oronzio: *See—*
Nidola, Antonio; Schira, Renato; and de Nora, Oronzio, 4,834,851, Cl. 204-114.000.

de Nora, Vittorio; Penny, Robert D.; Frank, Lawrence L.; Vaccaro, Anthony J.; and Stewart, James J., to ELTECH Systems Corporation. Efficient electrolytic precious metal recovery system. 4,834,850, 5-30-89, Cl. 204-109.000.

Den Outer, Annie, legal representative: *See—*
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Den Outer, Marius, deceased: *See—*
Berkelmans, Nicolaas M.; Den Outer, Marius, deceased; and Den Outer, Annie, legal representative, 4,804,279, Cl. 400-94.000.

Denpac Corp.: *See—*
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Denpou, Kazuo, to Kabushiki Kaisha Toshiba. Refrigeration with quick cooling system. 4,858,443, 8-22-89, Cl. 62-126.000.

Denree, Michel: *See—*
Michoux, Eric; and Denree, Michel, 4,804,072, Cl. 188-79.520.

Dense, Brian S.: *See—*
Westfall, Norman R.; Milligan, Patrick E.; Habbersett, John I.; and Dense, Brian S., 4,800,680, Cl. 49-429.000.

Densen, Mark S. Knockdown folding screen. 4,830,080, 5-16-89, Cl. 160-135.000.

Densetsu Co., Ltd: *See—*
Hiramatsu, Rihei; Imano, Seiji; Watanabe, Kazushi; and Takeishi, Shinzo, 4,888,672, Cl. 363-49.000.

Densley, John: *See—*
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Denslow, Clark A.: *See—*
Ackermann, Walter T.; and Denslow, Clark A., 4,825,516, Cl. 24-693.000.

Denslow, Jurnior J.; and Denslow, Ronald S., to Benslow Incorporated. Archery bow. 4,881,514, 11-21-89, Cl. 124-23.00R.

Denslow, Ronald S.: *See—*
Denslow, Jurnior J.; and Denslow, Ronald S., 4,881,514, Cl. 124-23.00R.

Densmore, John. Self-cleaning gutter. 4,807,406, 2-28-89, Cl. 52-11.000.

Dent, Michael B.: *See—*
Emery, Jack K.; and Dent, Michael B., 4,817,477, Cl. 83-23.000.

Dentai, Andrew G.; Joyner, Charles H., Jr.; Weidman, Timothy W.; and Zilko, John L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of forming III-V semi-insulating films using organo-metallic titanium dopant precursors. 4,830,982, 5-16-89, Cl. 437-094.000.

Dental Design Systems, Inc.: *See—*
Angus, William H.; and Grollimund, Everett C., 4,828,494, Cl. 433-215.000.

Dental Kagaku Kabushiki Kaisha: *See—*
Kuboki, Yoshinori; Fujimoto, Daisaburo; Aoki, Hideki; and Fujita, Keijiro, 4,812,404, Cl. 435-175.000.

Dental Research Corporation: *See—*
Crawford, Alan D.; Johnson, Allan B.; and Trenary, John M. 4,845,795, Cl. 15-22.00R.
Graham, Cleve A.; and Trenary, John, 4,827,550, Cl. 15-22.00R.

Dentatus International AB: *See—*
Edwardson, Svante R., 4,834,653, Cl. 4-118.000.

Dentini, Mark S.; Fulton, Joe A.; Jin, Sungho; Mottine, John J., Jr.; Shepherd, Lloyd; and Sherwood, Richard C., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Thermal conductor assembly. 4,838,347, 6-13-89, Cl. 165-185.000.

Dento-Med Industries, Inc.: *See—*
Goodman, Jack J.; Tauman, Harvey S.; Fox, Charles; and Hart, Thomas J., 4,883,659, Cl. 424-78.000.

Denton, Larry E., to Mallinckrodt, Inc. Compositions containing ibuprofen. 4,837,031, 6-6-89, Cl. 424-464.000.

Denton, Lynn. Brake drum cooling, drying and cleaning fins. 4,830,150, 5-16-89, Cl. 188-218.00R.

Denton, Peter R. Anti-relfection overlay device. 4,802,737, 2-7-89, Cl. 350-166.000.

Denton, Peter R.; and Boyarsky, David, to Denton Vacuum Inc. Apparatus for coating compact disks. 4,808.291, 2-28-89, Cl. 204-298.000.

Denton Vacuum Inc.: *See—*
Denton, Peter R.; and Boyarsky, David, 4,808,291, Cl. 204-298.000.
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d'Entremont, Alice M.: *See—*
Riseman, John H., deceased; Smith, John J.; d'Entremont, Alice M.; and Goldman, Craig E., 4,800,442, Cl. 358-280.000.

d'Entremont, John R.: *See—*
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Dentsply GmbH: *See—*
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Dentsply International Inc.: *See—*
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Dentsply Limited: *See—*
Billington, Richard W.; and Williams, Jill A., 4,797,431, Cl. 523-116.000.
Billington, Richard W.; and Williams, Jill A., 4,814,362, Cl. 523-117.000.
Billington, Richard W.; and Williams, Jill A., 4,861,808, Cl. 523-116.000.

Dentsply Research & Development Corp.: *See—*
Bennett, Richard J., 4,801.528, Cl. 433-220.000.
Blackwell, Gordon B.; and Huang, Chin-Teh, 4,816,495, Cl. 522-14.000.
Gonser, Donald I., 4,836,782, Cl. 433-229.000.
Hammesfahr, Paul D.; Jefferies, Steven R.; and Sitzema, Ronald L., Jr., 4,867,682, Cl. 433-37.000.
Hare, Pamela H., 4,813,875, Cl. 433-214.000.
Hare, Pamela H.; and Jefferies, Steven R., 4,846,165, Cl. 128-156.000.
Hare, Pamela H.; Hare, Robert V.; and Hammesfahr, Paul D., 4,867,680, Cl. 433-37.000.
Huang, Chin-Teh; and Jefferies, Steven R., 4,814,423, Cl. 528-230.000.
Jefferies. Steven R.; and Huang, Chin-Teh, 4,875,858, Cl. 433-226.000.
Tateosian, Louis H; and Wilson, W. Donald, 4,863,977, Cl. 522-14.000.
Wang, Wu-Lan, 4,813,876, Cl. 433-224.000.
Warrin, George E.; Perdreaux, Rene J.; Paschke, Richard H.; Constantinescu, Teodor E.; and McGill, Robert, 4,820,152, Cl. 433-86.000.
Wright, Gerard; Warrin, George E.; and Paschke, Richard H., 4,850,868, Cl. 433-116.000.

Denyer, Peter B., to Quantum Fund Limited, The. Skin-pattern recognition method and device. 4,805,223, 2-14-89, Cl. 382-4.000.

Denz, Helmut, to Robert Bosch GmbH. Engine control system. 4,803,966, 2-14-89, Cl. 123-478.000.

Denz, Helmut; and Person, Martin, to Robert Bosch GmbH. Multidependent valve timing overlap control for the cylinders of an internal combustion engine. 4,856,465, 8-15-89, Cl. 123-90.170.

Denz, Helmut: *See—*
Margarit-Metaxa, Florin; and Denz, Helmut, 4,794,790, Cl. 73-117.300.

Denz, Martin; and Kapp-Schwoerer, Diethard, to Ciba-Geigy Corporation. Separating device for trimming the width of a poured curtain of coating material. 4,879,968, 11-14-89, Cl. 118-300.000.

Denzene, Quentin S.: *See—*
Grindahl, Mervin L.; and Denzene, Quentin S., 4,799,059, Cl. 340-870.030.

Denzin, Horst; and Rehberg, Heinz, to Francotyp-Postalia GmbH. Separating head. 4,850,580, 7-25-89, Cl. 271-2.000.

Denzin, Horst; and Rehberg, Heinz, to Francotyp-Postalia GmbH. Apparatus for monitoring letter closing devices. 4,851,663, 7-25-89, Cl. 250-223.00R.

Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, to BASF Aktiengesellschaft. Slightly crosslinked, water-soluble polymaleic acid, its preparation and its use. 4,818,794, 4-4-89, Cl. 525-327.800.

Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Winkler, Ekhard; and Raubenheimer, Hans-Juergen, to BASF Aktiengesellschaft. Polymaleic acid, its preparation and its use. 4,818,795, 4-4-89, Cl. 525-327.800.

Denzinger, Walter; Hartmann, Heinrich; Gockel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, to BASF Aktiengesellschaft. Slightly crosslinked, water-soluble polymaleic acid, its preparation and its use. 4,886,859, 12-12-89, Cl. 525-327.800.

Denzinger, Walter: *See—*
Baur, Richard; Denzinger, Walter; Eckell, Albrecht; Hartmann, Heinrich; Mueller, Josef; Raubenheimer, Hans-Juergen; and Trieselt, Wolfgang, 4,814,102, Cl. 252-174.240.
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Pfohl, Sigberg; Kroener, Michael; Hartmann, Heinrich; and Denzinger, Walter, 4,880,497, Cl. 162-135.000.

Denzlingen, Mahr P., to Deutsche Thomson-Brandt GmbH. Direct current motor commutation control. 4,882,523, 11-21-89, Cl. 318-254.000.

Deola, James A. Weightlifting exercise device. 4,856,773, 8-15-89, Cl. 272-118.000.

de Oliveira Camargo, Marcos: *See—*
Bain, William L., Jr.; de Oliveira Camargo, Marcos; Duzett, Robert C.; Lederhofer, Artur H.; Peterson, Craig B.; and Wipfli, John L., 4,853,849, Cl. 364-200.000.

DeOliveira, Egidio L.; and Scoville, John R., to DeOliveira, Lucas. Fluid control electrosurgical device. 4,872,454, 10-10-89, Cl. 128-303.140.

De Oliveira, Joao G., to Conoco Inc. Collision protecting system for TLP structures. 4,880,088, 11-14-89, Cl. 188-377.000.

DeOliveira, Lucas: *See—*
DeOliveira, Egidio L.; and Scoville, John R., 4,872,454, Cl. 128-303.140.

Deom, Alain; Garnier, Jean-Claude; and Guffond, Didier, to Office National d'Etudes et de Recherches Aerospatiales. Device for detecting the presence of frost and/or for measuring the thickness of frost by ultrasound and frost probe usable in such a device. 4,833,660, 5-23-89, Cl. 367-157.000.

de Pagter, Pierre C.: *See—*
Brown, Carlton E.; and de Pagter, Pierre C., 4,872,400, Cl. 98-115.300.

Depaoli, Albano; and Gysi, Peter, to Elpatronic AG. Method and device for the orientation and logitudinal movement of rounded can bodies in relation to a welding apparatus. 4,824,007, 4-25-89, Cl. 228-102.000.

DePaoli, Albano; Lanz, Andreas; Baumgartner, Michael; and Bugmann, Franz, to Elpatronic AG. Apparatus for guiding can bodies in a laser welding machine. 4,846,389, 7-11-89, Cl. 228-17.500.

DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., to J.A.D. Enterprises, Inc. Mail inserting and collating apparatus. 4,805,382, 2-21-89, Cl. 53-520.000.

DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., to J.A.D. Enterprises, Inc. Mail inserting and collating apparatus. 4,805,384, 2-21-89, Cl. 53-569.000.

DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., to J.A.D. Enterprises, Inc. Mail inserting and collating apparatus. 4,817,368, 4-4-89, Cl. 53-460.000.

De Pasquale, Michele, to Industrie Magneti Marelli S.r.l. Brush holders with single spring. 4,835,432, 5-30-89, Cl. 310-242.000.

DePasquale, Ralph J.: *See—*
Canova, Levy A.; DePasquale, Ralph J.; and Wilson, Michael E., 4,814,407, Cl. 528-21.000.

De Patto, Ugo: *See—*
Marchionni, Giuseppe; De Patto, Ugo; Strepparola, Ezio; and Viola, Gian T., 4,853,097, Cl. 204-157.600.

DePaul, Albert D., to Salzman, Robert S. Computer architecture providing programmable degrees of an almost condition. 4,841,473, 6-20-89, Cl. 364-900.000.

DePaul, Alice A.: *See—*
McGlothlin, Mark W.; and DePaul, Alice A., 4,855,169, Cl. 428-35.200.

DePaul, Richard E., to Sommerville Packaging Corporation. Carton and blank for packaging ice cream or the like. 4,826,074, 5-2-89, Cl. 229-132.000.

DePaul, Richard E., to Somerville Packaging Corporation. Carton and blank for packaging ice cream and the like. 4,838,432, 6-13-89, Cl. 206-632.000.

DePaul, Richard E., to Somerville Packaging Corporation. Carton and blank for packaging ice crean or the like. 4,872,609, 10-10-89, Cl. 229-134.000.

DePauli, John F., to Westek Associates. Infrared sensor signal conditioner. 4,851,681, 7-25-89, Cl. 250-338.100.

de Paz, Lirio Q.: *See—*
Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, Cl. 44-51.000.

Depcik, Hans-Werner: *See—*
Fahner, Karsten; Johannaber, Friedrich; Depcik, Hans-Werner; Kaminski, Axel; and Van Hooren, Rudiger, 4,812,247, Cl. 252-511.000.
Fahner, Karsten; and Depcik, Hans-Werner, 4,822,973, Cl. 219-121.600.

Depel, William A.; and Weinberg, Bernd, to Bivona, Inc.; and Purdue Research Foundation. Speech prosthesis device. 4,820,304, 4-11-89, Cl. 623-9.000.

D'Epenoux, Francois, to Rocamat. Composite wall facing construction with apparent stones. 4,811,537, 3-14-89, Cl. 52-385.000.

De Peretti, Daniele: *See—*
George, Pascal; and De Peretti, Daniele, 4,810,711, Cl. 514-292.000.
George, Pascal; Allen, John; Jaurand, Guy; and De Peretti, Daniele, 4,847,263, Cl. 514-300.000.

De Peuter, Willem L. G.: *See—*
Kemper, Nicolaas R.; Bouwens, Henricus J. J.; Koster, Marinus P.; and De Peuter, Willem L. G., 4,872,362, Cl. 74-479.000.
Koster, Marinus P.; Bouwens, Henricus J. J.; Van Tartwijk, Anton A. J.; and De Peuter, Willem L. G., 4,874,286, Cl. 414-744.500.

Depew, Llewellyn E., to Filter Queen Ltd. Feed and separation device. 4,834,586, 5-30-89, Cl. 406-18.000.

DePiazzy, Edward F. Animal feeder. 4,798,170, 1-17-89, Cl. 119-61.000.

DePietro, Mark A.; Klim, William T.; Ashworth, Robert H.; and Thiele, Robert E., to GF Furniture Systems, Inc. Connecting means for partition systems. 4,860,812, 8-29-89, Cl. 160-135.000.

- Depietro, Richard A.: *See—*
  - Moore, Thomas A.; Bazydola, Stanley J., Jr.; and Depietro, Richard A., 4,808,072, Cl. 416-5.000.
- DePirro, Mario. Fluid actuated gate valve assembly. 4,800,917, 1-31-89, Cl. 137-315.000.
- DePlazes, Ronald J. Ground leveling attachment for box-scraper. 4,815,542, 3-28-89, Cl. 172-253.000.
- Depoli, Erminio, to Baruffaldi S.p.A. Coupling with two clutches, especially for looms. 4,875,565, 10-24-89, Cl. 192-48.200.
- Deposition Sciences, Inc.: *See—*
  - Gray, Howard R.; Shimshock, Richard P.; and Krisl, Matthew E., 4,879,140, Cl. 427-38.000.
- de Potter d'Indoye, Eric A. Extensible construction. 4,829,726, 5-16-89, Cl. 52-66.000.
- De Pous, Olivier: *See—*
  - Richon, Dominique; De Pous, Olivier; and Fontaine, Pierre, 4,855,262, Cl. 501-92.000.
  - Richon, Dominique; De Pous, Olivier; and Fontaine, Pierre, 4,888,310, Cl. 501-92.000.
- Deppe, Dennis: *See—*
  - Holonyak, Nick, Jr.; and Deppe, Dennis, 4,817,103, Cl. 372-45.000.
- Deppe, Gary L.; and Garrison, Richard E., to Hi-Stat Manufacturing Company, Inc. Thermal sensor assembly. 4,866,410, 9-12-89, Cl. 338-28.000.
- Deppert, Klaus: *See—*
  - Edrich, Gunter; and Deppert, Klaus, 4,852,865, Cl. 269-48.000.
- Deppner, Horst, to Dornier GmbH. Salvaging drone equipment. 4,834,317, 5-30-89, Cl. 244-1.0TD.
- De Prado, Phillip: *See—*
  - Cropp, Michael E.; De Prado, Phillip; and Desai, Kamalesh S., 4,808,435, Cl. 427-97.000.
- Depret, Jean-Paul, to Vallourec. Device for protecting threadings and butt-type joint bearing surfaces of metallic tubes. 4,796,668, 1-10-89, Cl. 138-96.00T.
- Deprez, Roland, to Marzet-Aubry. Traction device for operating tables and orthopaedic surgery apparatus for surgical operations. 4,802,464, 2-7-89, Cl. 128-71.000.
- DePriest, Robert N., to Ethyl Corporation. Vapor deposition of arsenic. 4,814,203, 3-21-89, Cl. 427-248.100.
- De Prijcker, Jozef P.; Domen, Albrecht F.; Fierens, Marcel R.; and Van Hal, Henri J., to AGFA-GEVAERT N.V. Photographic processing apparatus and method. 4,814,809, 3-21-89, Cl. 354-319.000.
- DePrima, George R., to Morton Manufacturing Co. Curved sliding door assembly and method of repair. 4,854,078, 8-8-89, Cl. 49-409.000.
- de Prins, Maurits L. Computer controlled rental and sale system and method for a supermarket and the like. 4,866,661, 9-12-89, Cl. 364-900.000.
- De Prycker, Martin L. F., to Alcatel N.V. Data communication system having a packet switching network. 4,817,085, 3-28-89, Cl. 370-60.000.
- Depta, Ingolf: *See—*
  - Humbs, Rolf; and Depta, Ingolf, 4,855,764, Cl. 346-140.00R.
- DePue, William J.: *See—*
  - Brinegar, John R.; Chamberlain, Keith R.; Vresics, James J.; and DePue, William J., 4,832,112, Cl. 164-499.000.
- De Pugh, Chauncey C.: *See—*
  - Clark, James W.; and De Pugh, Chauncey C., 4,886,579, Cl. 162-111.000.
- Depuydt, Patrick: *See—*
  - Lindsey, Alan F.; and Jacquemin, Jean-Marie, 4,833,832, Cl. 51-54.000.
- Dequatre, Claude; Blanpain, Peter R. J.; and Longuet, Michel, to Polysar Financial Services S.A. Heterogeneous polymers. 4,855,337, 8-8-89, Cl. 523-201.000.
- Dequenes, Pierre; and Franceschi, Jean C., to Constructions Navales et Industrielles de la Mediterranee. Device for generating transverse force on ballistic missile mock-ups during air tests. 4,817,492, 4-4-89, Cl. 89-1.800.
- DeRaco, Maurice: *See—*
  - Rey, Pierre J.; and DeRaco, Maurice, 4,859,005, Cl. 303-119.000.
- Deraedt, Roger: *See—*
  - Delevallee, Francoise; Deraedt, Roger; and Benzoni, Josette, 4,880,803, Cl. 514-232.800.
- de Rahm, Olivier, to Nestec S.A. Preparation of whey products having reduced allergericity. 4,879,131, 11-7-89, Cl. 426-583.000.
- Derain, Ronald. Self-locking electrical banana plug. 4,824,405, 4-25-89, Cl. 439-807.000.
- de Raismes, John F.: *See—*
  - Osthus, Harold L.; de Raismes, John F.; Wolfson, Lawrence S.; and Vaida, Robert M., 4,840,123, Cl. 104-100.000.
- Derby, Leslie B., III, to Prescott Durrell & Company. Hand a[illegible]d puppet and precursor structure. 4,869,702, 9-26-89, Cl. 446-3[illegible]0.
- Derby, Leslie B., III, to Prescott Durrell & Company. Puppet having sliding face panels defining a mouth opening. 4,880,404, 11-14-89, Cl. 446-329.000.
- Derby-Lewis, Gerald. Moulding pallet. 4,832,309, 5-23-89, Cl. 249-99.000.
- Derby, Norwin C., to Better Agricultural Goals, Inc. Receptacle having improved hopper. 4,811,419, 3-7-89, Cl. 383-67.000.
- Derby, Norwin C., to B.A.G. Corporation. Metalized fabric. 4,833,008, 5-23-89, Cl. 428-246.000.
- Derby, Norwin C.; and Benson, Ernest J., to Better Agricultural Goals, Inc. Protective cover for bulk container. 4,865,218, 9-12-89, Cl. 220-402.000.
- Derby, Norwin C., to Super Sack Manufacturing Corporation. Static controlled discharge spout. 4,878,600, 11-7-89, Cl. 222-105.000.
- Derdall, Gary D.; Erickson, William R.; Phinney, Robin L.; and Wilson, James D., to Potash Corporation of Saskatchewan. Method for producing phosphoric acid from phosphate ore. 4,828,811, 5-9-89, Cl. 423-319.000.
- Derderian, Edmond J.: *See—*
  - Argyropoulos, John N.; Derderian, Edmond J.; Keen, Brian T.; and Bumgardner, Timothy G., 4,883,906, Cl. 560-238.000.
  - Cavender, Keith D.; Derderian, Edmond J.; Jarrett, Eugene L.; and Nielsen, Kenneth A., 4,882,107, Cl. 264-51.000.
- Dereco Dieselmotoren Forschungs-und Entwick-lungs-AG: *See—*
  - Mathis, Christian, 4,884,545, Cl. 123-447.000.
- DeRees, Delbert D., to American Motors Corporation. Vehicle frame rail assembly and underbody construction. 4,848,835, 7-18-89, Cl. 296-204.000.
- DeRees, Delbert D., to American Motors Corporation. Axle drive. 4,852,426, 8-1-89, Cl. 74-607.000.
- DeRees, Delbert D., to Chrysler Motors Corporation. Seat tilt mechanism. 4,884,843, 12-5-89, Cl. 297-331.000.
- Deregibus, Alfio, to Goodyear Tire & Rubber Company, The. Helical winding apparatus. 4,856,720, 8-15-89, Cl. 242-7.020.
- Derek George Davison: *See—*
  - Davison, Derek G.; and Pover, Gordon T., 4,883,147, Cl. 182-179.000.
- Deremer, Stephen L.: *See—*
  - Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
- Deren, Gary W., to Stemcor Corporation. Modular furnace lining and hardware system therefor. 4,803,822, 2-14-89, Cl. 52-506.000.
- Deren, Gary W., to Stemcor Corporation. Modular furnace lining and hardware system therefor. 4,850,171, 7-25-89, Cl. 52-506.000.
- Deren, Gary W., to STEMCOR Corporation. Modular furnace lining and hardware system therefor. 4,885,890, 12-12-89, Cl. 52-506.000.
- Derencsenyi, Tibor; and Hmelar, Tim. Protective paintbrush sleeve. 4,847,939, 7-18-89, Cl. 15-246.000.
- Derer, John L.: *See—*
  - Shama, Sami A.; and Derer, John L., 4,889,901, Cl. 526-279.000.
- Deresh, Lev; and Kelly, William R., III, to MacDermid, Incorporated. Aqueous electroplating bath and method for electroplating tin and/or lead and a defoaming agent therefor. 4,849,059, 7-18-89, Cl. 204-44.400.
- Der Estephanian, Mark. Low cost, high performance sweatband. 4,833,734, 5-30-89, Cl. 2-171.000.
- Dereu, Norbert: *See—*
  - Welter, Andre; Fischer, Harmut; Christiaens, Leon; Wendel, Albrecht; Etschenberg, Eugen; Dereu, Norbert; Kuhl, Peter; and Graf, Eric, 4,873,350, Cl. 549-436.000.
- Derewonko, Henri; Adam, Didier; Delagebeaudeuf, Daniel; and Resneau, Patrick, to Thomson Hybrides et Microondes. Encapsulated low-noise ultra-high frequency semiconductor device. 4,872,049, 10-3-89, Cl. 357-68.000.
- Derhaag, Robert L.; and Kutz, Donald A., to HM Electronics, Inc. Wireless microphone. 4,815,143, 3-21-89, Cl. 381-168.000.
- Derhaag, Robert L.; and Rose, David B. Headset construction and method of making same. 4,875,233, 10-17-89, Cl. 379-430.000.
- de Ridder, A. Lody: *See—*
  - Mannheimer, Lee R.; and de Ridder, A. Lody, 4,854,001, Cl. 15-97.00R.
- Derivaz, Jean-Pierre: *See—*
  - Duruz, Jean-Jacques R.; and Derivaz, Jean-Pierre, 4,824,531, Cl. 204-67.000.
- der Kinderen, Wilhelmus C., deceased; and by De Haan, Friedrich J., administrator, to U.S. Philips Corporation. High-pressure discharge lamp with torsionally wound electrode structure. 4,847,534, 7-11-89, Cl. 313-628.000.
- Derks, Christopher S.: *See—*
  - Frenkel, Robert L.; Derks, Christopher S.; and Armstrong, Donald L., 4,874,079, Cl. 198-436.000.
- Derks, Paul A. H., to OCE-Nederland B.V. Multi-nozzle ink jet printer. 4,887,093, 12-12-89, Cl. 346-75.000.
- Derler, John C.: *See—*
  - Cotton, Lawrence M.; Derler, John C.; and Compton, Gary R., 4,827,996, Cl. 144-134.00D.
- Dermal Systems International: *See—*
  - Peck, Carl C., 4,821,733, Cl. 128-636.000.
- Derman, Jay D.: *See—*
  - Keating, Paul J., II; Barron, Alvah V.; Derman, Jay D.; and Bradley, William D., 4,815,398, Cl. 110-233.000.
- Derman, Jay S. Security device for cassette tape decks or the like. 4,856,304, 8-15-89, Cl. 70-14.000.
- Derman, Jay S. Stud nut locking device for spare tires. 4,862,716, 9-5-89, Cl. 70-166.000.
- Dermasciences, Inc.: *See—*
  - Clark, Mary G., 4,847,083, Cl. 424-642.000.
- Der-Ming, Juang, to Roc Triad International Co., Ltd. Non-deflectable adjustable bourdon gauge. 4,825,699, 5-2-89, Cl. 73-740.000.
- Dermody, Nancy E.: *See—*
  - Lee, Yanien; Merritt, Carleton G.; and Dermody, Nancy E., 4,840,808, Cl. 426-270.000.
- Derner, Paul; and Reichmann, Peter, to Flachglas Aktiengesellschaft. Anti-eavesdropping window structure. 4,829,729, 5-16-89, Cl. 52-171.000.

- Derner, Paul: *See—*
  - Von Reis, Wolf; Derner, Paul; Quenett, Rudolf; and Armbruster, Guenter, 4,857,376, Cl. 428-83.000.
- Derni, Nicodeme B.: *See—*
  - Derni, Roxanne M.; and Derni, Nicodeme B., 4,860,914, Cl. 220-4.00C.
- Derni, Roxanne M.; and Derni, Nicodeme B. Collapsible swimming pool. 4,860,914, 8-29-89, Cl. 220-4.00C.
- Dernie, Frank W., to Williams Grand Prix Engineering Limited. Vehicle suspension systems. 4,861,066, 8-29-89, Cl. 280-707.000.
- DeRoche, Robert F.; and Forbes, James B., to Econolite Control Products, Inc. Method and apparatus for displaying the status of a system of traffic signals. 4,814,765, 3-21-89, Cl. 340-915.000.
- deRojas, J. Edward: *See—*
  - Frieder, Philip M.; and deRojas, J. Edward, 4,846,913, Cl. 156-242.000.
- Derome, Jacques H. Sunshine simulator for small scale models. 4,881,899, 11-21-89, Cl. 434-72.000.
- DeRome, Raymond D. Apparatus and method for testing, filling and purging closed fluid systems. 4,888,980, 12-26-89, Cl. 73-49.200.
- de Ronde, Frans C., to National Research Development Corporation. Antenna and waveguide mode converter. 4,890,117, 12-26-89, Cl. 343-773.000.
- De Roode, Willy: *See—*
  - Duivelaar, Machiel N., 4,85[illegible],082, Cl. 252-629.000.
- De Rooij, Johannes F. M.; and Meakins, Stephen E., to Unilever Patent Holdings B.V. Process for preparing hydrogen chloride hydrolyzed protein. 4,873,108, 10-10-89, Cl. 426-533.000.
- DeRosa, Angelo; and McKenna, Kevin D., to Sterling Plastic & Rubber Products, Inc. Elastomeric insert for container lashing. 4,877,361, 10-31-89, Cl. 410-112.000.
- De Rosa, Mario: *See—*
  - Zappia, Vincenzo; and De Rosa, Mario, 4,883,670, Cl. 424-450.000.
- De Rosa, R. James; and Brestle, Gary C. Fold-up umbrella. 4,836,232, 6-6-89, Cl. 135-99.000.
- DeRosa, Richard T.: *See—*
  - McArdle, Francis H.; Schneider, Earl; and DeRosa, Richard T., 4,795,310, Cl. 416-134.00A.
- DeRosia, Francis L. Adjustable clothes drying unit. 4,887,728, 12-19-89, Cl. 211-208.000.
- DeRoss, Robert W.: *See—*
  - Baggett, George E., Jr.; and DeRoss, Robert W., 4,835,921, Cl. 52-220.000.
- Derost, Gisele: *See—*
  - Barraud, Andre; Derost, Gisele; Henrion, Laurence; and Ruaudel-Teixier, Annie, 4,871,680, Cl. 436-103.000.
- de Rothschild, Philippe, deceased (by de Rothschild, Phillippine, legal representative), to Baron Philippe de Rothschild S.A. Transport and storage case. 4,868,028, 9-19-89, Cl. 428-71.000.
- de Rothschild, Phillippine, legal representative: *See—*
  - de Rothschild, Philippe, deceased, 4,868,028, Cl. 428-71.000.
- Derouane, Eric G.: *See—*
  - von Ballmoos, Roland; Chu, Cynthia T-W.; Landis, Michael E.; and Derouane, Eric G., 4,880,611, Cl. 423-306.000.
- Deroubaix, Pierre: *See—*
  - Cohen, Yvan; and Deroubaix, Pierre, 4,844,856, Cl. 376-217.000.
- Derouen, Alvin: *See—*
  - LaBiche, Mitchell; and Derouen, Alvin, 4,839,838, Cl. 364-709.110.
- De Rouffignac, Eric P.: *See—*
  - Van Meurs, Peter; De Rouffignac, Eric P.; Vinegar, Harold J.; and Lucid, Michael F., 4,886,118, Cl. 166-245.000.
- Derouin, Louis G. Locking puzzle. 4,880,238, 11-14-89, Cl. 273-160.000.
- Deroux-Dauphin, Patrice, to Commissariat A L'Energie Atomique. Process for the production of a magnetic hea making it possible to simplify the production of electrical connections. 4,829,659, 5-16-89, Cl. 29-603.000.
- Derowitsch, Richard W. Process for removing carbonate from wells. 4,880,057, 11-14-89, Cl. 166-267.000.
- DeRoyal Industries, Inc.: *See—*
  - Neal, Charles O., 4,886,053, Cl. 128-80.00C.
  - Zachry, Kathy W., 4,889,230, Cl. 206-362.000.
- Derr, Paul B.: *See—*
  - Abendschein, Frederic H.; Derr, Paul B.; and Huber, John H., 4,795,229, Cl. 350-96.200.
- Derrick, James W., to Derrick Manufacturing Corporation. Reinforced polyurethane vibratory screen. 4,819,809, 4-11-89, Cl. 209-275.000.
- Derrick, James W.; and Matsch, L. Charles, to Derrick Manufacturing Corporation. Reinforced molded polyurethane vibratory screen. 4,857,176, 8-15-89, Cl. 209-392.000.
- Derrick Manufacturing Corporation: *See—*
  - Derrick, James W., 4,819,809, Cl. 209-275.000.
  - Derrick, James W.; and Matsch, L. Charles, 4,857,176, Cl. 209-392.000.
  - Derrick, William W.; and Derrick, Robert G., 4,882,054, Cl 210-389.000.
- Derrick, Robert G.: *See—*
  - Derrick, William W.; and Derrick, Robert G., 4,882,054, Cl. 210-389.000.
- Derrick, Wayne E., to Shell Oil Company. Process for the extrusion of compositions comprising polypropylene, polyvinyl alcohol and a polypropylene-polyvinyl alcohol adhesive. 4,822,547, 4-18-89, Cl. 264-169.000.
- Derrick, William W.; and Derrick, Robert G., to Derrick Manufacturing Corporation. Vibratory screening machine with tiltable screen frame and adjustable discharge weir. 4,882,054, 11-21-89, Cl. 210-389.000.
- D'Errico, John J.; and Sharp, Kenneth G., to Dow Corning Corporation. Method of selective reduction of halodisilanes with alkyltin hydrides. 4,798,713, 1-17-89, Cl. 423-342.000.
- D'Errico, John J.: *See—*
  - Sharp, Kenneth G.; and D'Errico, John J., 4,814,155, Cl. 423-342.000.
- Derrien, Michel: *See—*
  - Delhaye, Maurice; Derrien, Michel; and Engerand, Jean-Luc, 4,886,248, Cl. 267-64.260.
  - Veaux, Jacques; and Derrien, Michel, 4,805,882, Cl. 267-64.250.
- Derry, Robert W.; and Langton, Richard L., to Honeywell Inc. Thermally neutral dither motor design. 4,847,855, 7-11-89, Cl. 372-94.000.
- Derryberry, Lesli; and Petrovich, Tom, to Texas Instruments Incorporated. Contact joint for semiconductor chip carriers. 4,862,247, 8-29-89, Cl. 357-74.000.
- Derryberry, Lesli A.; and Williams, Charles E., to Texas Instruments Incorporated. A chip carrier and mounting structure connected to the chip carrier. 4,890,194, 12-26-89, Cl. 361-386.000.
- Derudder, Carlos, to N. V. Michel Van De Wiele. Pulley-block drive open shed jacquard machine. 4,858,654, 8-22-89, Cl. 139-59.000.
- de Ruiter, Ernest: *See—*
  - von Blucher, Hubert; von Blucher, Hasso; and de Ruiter, Ernest, 4,843,739, Cl. 36-44.000.
  - Von Blucher, Hubert; Von Blucher, Hasso; and De Ruiter, Ernest, 4,857,243, Cl. 264-13.000.
- Deruntz, William R. Bottled water dispenser insert. 4,846,236, 7-11-89, Cl. 141-329.000.
- De Rush, Michael J., to Hydramet American, Inc. Multiple cylinder extrusion apparatus and method. 4,862,721, 9-5-89, Cl. 72-263.000.
- De Ruyter, Jackie A.; De Ruyter, Jean-Pierre; and Burger, Daniel. Cutting appliance designed particularly for medical dressings. 4,831,734, 5-23-89, Cl. 30-124.000.
- De Ruyter, Jean-Pierre: *See—*
  - De Ruyter, Jackie A.; De Ruyter, Jean-Pierre; and Burger, Daniel, 4,831,734, Cl. 30-124.000.
- Dervan, Andrew H.; and Kordomenos, Panagiotis I., to Du Pont de Nemours, E. I., and Company. Chip resistant coating composition containing epoxy-polyester graft copolymers. 4,804,718, 2-14-89, Cl. 525-418.000.
- Dervan, Andrew H.; and Kordomenos, Panagiotis I., to Du Pont de Nemours, E. I., and Company. Coating composition containing a hydroxy functional epoxy-polyester graft copolymer. 4,812,535, 3-14-89, Cl. 525-450.000.
- Dervan, Andrew H.; and Kordomenos, Panagiotis I., to Du Pont de Nemours, E. I., and Company. Chip resistant coating compositions containing epoxy-polyester graft copolymers. 4,816,528, 3-28-89, Cl. 525-438.000.
- Dervan, Andrew H.: *See—*
  - Kordomenos, Panagiotis I.; and Dervan, Andrew H., 4,824,917, Cl. 525-440.000.
  - Kordomenos, Panagiotis I.; Dervan, Andrew H.; and S[illegible]manision, Tab, 4,833,216, Cl. 525-440.000.
- Dervan, Peter B.; and Dreyer, Geoffrey B., to California Institute of Technology. Nucleic acid probes and methods of using same. 4,795,700, 1-3-89, Cl. 435-5.000.
- Dervan, Peter B.; and Dreyer, Geoffrey B., to California Institute of Technology. Chelator-functionalized nucleosides and nucleotides and methods for making same. 4,837,312, 6-6-89, Cl. 536-27.000.
- Dervieux, Dominique. Bipolar electrodes discharging sparks of piezo-electric origin for the relief of pains and contractures by direct application to the skin. 4,823,810, 4-25-89, Cl. 128-783.000.
- Dervin, Richard T. Wind deflector shield for water heater compartment. 4,872,444, 10-10-89, Cl. 126-361.000.
- Derving, Jackie, to Tetra Pak International AB. Valve unit. 4,877,160, 10-31-89, Cl. 222-494.000.
- De Rycke, Gino L., to AGFA-Gevaert N.V. Method for processing a photographic silver halide emulsion material. 4,830,949, 5-16-89, Cl. 430-206.000.
- De Rycke, Gino L., to AGFA-Gevaert N.V. Method for processing a photographic material. 4,888,267, 12-19-89, Cl. 430-206.000.
- Derynck, Rik M. A.; and Goeddel, David V., to Genentech, Inc. Nucleic acid encoding TGF-β and its uses. 4,886,747, 12-12-89, Cl. 435-69.400.
- Desaar, Rene, to Recherches et Developpements Desaar. Ladles for casting metal. 4,844,303, 7-4-89, Cl. 222-592.000.
- Desai, Ashok K.: *See—*
  - Brunnett, Donald; and Desai, Ashok K., 4,831,470, Cl. 360-75.000.
- Desai, Bipinchandra N.: *See—*
  - Chinn, Leland J.; Desai, Bipinchandra N.; and Mueller, Richard A., 4,801,611, Cl. 514-532.000.
- Desai, Dilip L.: *See—*
  - Razbin, Vladimir V.; Desai, Dilip L.; and Friedrich, Frank D., 4,817,540, Cl. 110-266.000.
- Desai, Jay: *See—*
  - Mehl, Jack J.; Wasek, Raymond T.; and Desai, Jay, 4,886,071, Cl. 128-760.000.
- Desai, Kamalesh S., to International Business Machines Corporation. Multilayer ceramic substrate and process for forming therefor. 4,799,983, 1-24-89, Cl. 156-89.000.
- Desai, Kamalesh S.: *See—*
  - Cropp, Michael E.; De Prado, Phillip; and Desai, Kamalesh S., 4,808,435, Cl. 427-97.000.
- Desai, Mahesh; and Molinaro, Frank, to Pharmachem Laboratories, Inc. Dry stabilized microemulsified omega-three acid-containing oils. 4,867,986, 9-19-89, Cl. 424-464.000.

Desai, Manohar P., to Melitta-Werke Bentz & Sohn. Bowl-shaped plastic microwave dish. 4,847,459, 7-11-89, Cl. 219-10.55E.

Desai, Mukesh: *See—*

Afzali-Ardakani, Ali; Desai, Mukesh; Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., 4,800,397, Cl. 346-1.100.

Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., 4,810,119, Cl. 400-241.100.

Desai, Narendra R.; Shinal, Edward C.; Ganesan, Madurai; and Carpentier, Eugene A., to American Cyanamid Company. Emulsion compositions for administration of sparingly water soluble ionizable hydrophobic drugs. 4,816,247, 3-28-89, Cl. 424-80.000.

Desai, Pankaj R.: *See—*

Buonicore, Anthony J.; and Desai, Pankaj R., 4,831,196, Cl. 568-867.000.

Desai, Rohit: *See—*

Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; and Desai, Rohit, 4,839,369, Cl. 514-314.000.

Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; Desai, Rohit; and Lee, Thomas D-Y, 4,874,769, Cl. 514-314.000.

Desai, Subhash: *See—*

Bolton, Sanford; Izevbehai, Philip H.; and Desai, Subhash, 4,814,178, Cl. 424-467.000.

Bolton, Sanford; and Desai, Subhash, 4,814,179, Cl. 424-467.000.

Desai, Vivek: *See—*

Garlen, David; and Desai, Vivek, 4,831,023, Cl. 514-169.000.

Desalination Systems, Inc.: *See—*

Bray, Donald T., 4,828,708, Cl. 210-654.000.

Bray, Donald T.; and Hopkins, David H., 4,842,736, Cl. 210-321.610.

Lien, Larry A., 4,802,982, Cl. 210-247.000.

DeSalvo, Sal P.; Irwin, Gregory D.; Mondek, Matthew H.; Neal, Louis R.; Oglesby, Verdun W.; and Woodard, Robert W., to Outboard Marine Corporation. Marine propulsion device with releasable shift handle. 4,829,846, 5-16-89, Cl. 74-547.000.

De Sanna, Frank, to Motorola Computer Systems, Inc. Memory management unit with dynamic page allocation. 4,805,097, 2-14-89, Cl. 364-200.000.

de Sanoit, Jacques: *See—*

Madic, Charles; and de Sanoit, Jacques, 4,839,149, Cl. 423-251.000.

Desanta, Simon, to Haworth, Inc. Chair with seat biasing means. 4,865,384, 9-12-89, Cl. 297-304.000.

DeSanti, Raymond J., to Brintec Corporation. Fiber optic faceplate assembly. 4,874,904, 10-17-89, Cl. 174-53.000.

DeSantis, Charles M.; and Jasper, Louis J., Jr., to United States of America, Army. Circuitless electron beam amplifier (CEBA). 4,829,261, 5-9-89, Cl. 330-4.000.

DeSantis, Edward: *See—*

Ozer, Richard; DeSantis, Edward; and Tomlinson, Brett, 4,839,640, Cl. 340-825.310.

DeSantis, Gerald J.; and Brentar, Francisco X., to ITT Corporation. Modular rear deck lighting cluster. 4,831,505, 5-16-89, Cl. 362-80.000.

DeSantis, Louis M.; and Sallee, Verney L., to Alcon Laboratories, Inc. Use of trimoprostil and derivatives in glaucoma therapy. 4,822,819, 4-18-89, Cl. 514-530.000.

DeSantis, Louis M.; and Sallee, Verney L., to Alcon Laboratories, Inc. Use of tri-methyl PG-F_{2}a and derivatives in glaucoma therapy. 4,822,820, 4-18-89, Cl. 514-530.000.

deSantis, Pietro, to International Telecommunications Satellite. Variable bandwidth variable center-frequency multibeam satellite-switched router. 4,858,225, 8-15-89, Cl. 370-50.000.

DeSantis, Raymond P., to PTX-Pentronix, Inc. Sagger construction. 4,856,990, 8-15-89, Cl. 432-258.000.

Desanto, David A. Storage case for keys with plural velcro retainers. 4,799,587, 1-24-89, Cl. 206-37.600.

DeSanto, Joseph J. Hook and loop holding strength maximizing apparatus. 4,854,037, 8-8-89, Cl. 29-755.000.

De Santo, Robert S.; and Shapiro, Jeffrey H. Marina dock and aquatic life habitat. 4,860,690, 8-29-89, Cl. 119-3.000.

Desarmot, Georges: *See—*

Sanchez, Manuel; Desarmot, Georges; and Barbier, Blandine, 4,844,781, Cl. 204-132.000.

DeSaro, Robert; Doyle, Edward F.; Metcalfe, Christopher I.; and Patch, Keith D., to Gas Research Institute. Direct contact raining bed counterflow cullet preheater and method for using. 4,875,919, 10-24-89, Cl. 65-27.000.

DeSatnick, Allen H.; Marcus, Herbert D.; and Merte, Kenneth E., to Minnesota Mining and Manufacturing Company. Tubing set. 4,820,265, 4-11-89, Cl. 604-30.000.

DeSatnick, Allen H.; Marcus, Herbert D.; and Nimkar, Shekhar D., to Minnesota Mining and Manufacturing Company. Hydraulically operated surgical instrument. 4,848,338, 7-18-89, Cl. 128-303.00R.

Desaulty, Michel A. A.: *See—*

Barbier, Gerard Y. G.; Laboure, Gerard J. P. B.; Desaulty, Michel A. A.; Duchene, Francois; and Truvillot, Pascal M., 4,805,397, Cl. 60-39.320.

Barbier, Gerard Y. G.; Bayle-Laboure, Gerard J. P.; Desaulty, Michel A. A.; Martinez, Rodolphe; and Perigne, Jerome, 4,809,512, Cl. 60-748.000.

DeSaw, Fred A., to General Electric Company. Gas shielded metal arc welding torch for limited access welding. 4,839,490, 6-13-89, Cl. 219-74.000.

Desbat, Bernard: *See—*

Arribart, Herve; Padoy, Christian; Dugast, Alain; Armond, Michel; Defendini, Francis; and Desbat, Bernard, 4,844,591, Cl. 350-357.000.

Desbiens, Donald J.; Eldridge, John W.; and Howell, Paul J., to Fairchild Semiconductor Corporation. Enhanced density modified isoplanar process. 4,849,344, 7-18-89, Cl. 437-31.000.

Desbiolles, Jack; and Feche, Pierre, to Salomon S.A. Apparatus for adjusting the longitudinal position of a safety binding on a ski. 4,817,981, 4-4-89, Cl. 280-633.000.

Desbois, Michael; and Disdier, Camille, to Rhone-Poulenc Specialites Chimiques. Process for the halogenation, nitration and fluorination of aromatic derivatives. 4,876,376, 10-24-89, Cl. 558-412.000.

Desbois, Michel; and Langlois, Bernard, to Rhone-Poulenc Specialites Chimiques. Processes for preparing pentafluoroethoxy- and pentafluoroethylthiobenzene drivatives. 4,837,364, 6-6-89, Cl. 568-43.000.

Desbos, Gilbert, to OTV (Omnium de Traitements et de Valorisation) Process for biologically purifying sewage on a bed of granular material. 4,800,021, 1-24-89, Cl. 210-605.000.

Des Brisay, Jr., George S., to Hughes Aircraft Company. Digital sequencing circuit. 4,868,511, 9-19-89, Cl. 328-75.000.

Descamps, Marcel; Nisato, Dino; and Verstraeten, Walter, to Sanofi. 4-aminobutanoic acid derivatives, process of preparation and use thereof. 4,814,485, 3-21-89, Cl. 560-39.000.

Descamps, Marcel; and Verstraeten, Walter, to Sanofi. 4-aminobutanoic acid derivatives. 4,816,598, 3-28-89, Cl. 560-157.000.

Deschaine, Stephen A., to DSC Communications Corporation. Digital bridge for a time slot interchange digital switched matrix. 4,825,433, 4-25-89, Cl. 370-62.000.

Deschamps, Andre; Franckowiak, Sigismond; and Leporq, Serge, to Institut Francais du Petrole. Process for removing sulfur oxides from a gas by means of an absorption mass regenerable by reaction with elemental sulfur. 4,855,117, 8-8-89, Cl. 423-244.000.

Deschamps, Georges: *See—*

Nguyen, Van T.; Chateignon, Claude; and Deschamps, Georges, 4,797,582, Cl. 307-475.000.

Deschamps, Maurice; Floc'h, Francois; Jung, Gerard; and Margraff, Rodolphe, to Rhone-Poulenc Sante. Immunosuppressant substances, process for their preparation and pharmaceutical compositions containing them. 4,810,692, 3-7-89, Cl. 514-11.000.

Deschazeaux, Gerard: *See—*

Musseau, Olivier; and Deschazeaux, Gerard, 4,839,586, Cl. 324-158.00F.

Deschenes, Charles L.: *See—*

Franklin, Harlow; Cooper, William J.; and Deschenes, Charles L., 4,877,172, Cl. 227-67.000.

Deschler, Ulrich; Michel, Rudolf; Kleinschmit, Peter; and Wolff, Siegfried, to Degussa Aktiengesellschaft. Method of preparing sulfenic acid chlorides and sulfenic acid esters. 4,835,297, 5-30-89, Cl. 556-427.000.

Deschler, Ulrich; Hellwig, Georg; Michel, Rudolf; Kleinschmit, Peter; and Wolff, Siegfried, to Degussa Aktiengesellschaft. Mixtures of sulfurous triazine compounds. 4,837,322, 6-6-89, Cl. 544-209.000.

Deschrijver, Paul: *See—*

Legrand, Franz; and Deschrijver, Paul, 4,845,290, Cl. 564-300.000.

DeSchutter, Andre; and Silvano, Casalatina, to Sismo International. Method for assembling three-dimensional metal structures, machine for the manufacturing thereof, and structures obtained with such a method. 4,838,322, 6-13-89, Cl. 140-112.000.

Desclozeaux, C.: *See—*

Bonnard, Rene; Bonnard, Pierre; and Desclozeaux, Christopher, 4,887,990, Cl. 474-78.000.

Desclozeaux, Christopher: *See—*

Bonnard, Rene; Bonnard, Pierre; and Desclozeaux, Christopher, 4,887,990, Cl. 474-78.000.

Descos, Rene; and Laporte, Jean-Claude, to Cibles Descos S.A.R.L. Clay pigeon having at least one sealed recess containing a product producing a cloud permitting visualization in space of the impact and/or during flight. 4,802,676, 2-7-89, Cl. 273-363.000.

Descroix, Jean-Pierre; and Leben, Yannick, to SAFT, S.A. Activatable battery using the Li/$SOCl_2$ or Li/SO_2Cl_2 couples. 4,820,598, 4-11-89, Cl. 429-62.000.

Descroix, Jean-Pierre: *See—*

Planchat, Jean-Pierre; Descroix, Jean-Pierre; and Jehanno, Philippe, 4,830,936, Cl. 429-110.000.

Desdoigts, Olivier P. C.; and Metzler, Francis, to Eastman Kodak Company. Protective container for a film cartridge. 4,801,011, 1-31-89, Cl. 206-316.000.

Desecki, Vince: *See—*

Kulle, Lee; Desecki, Vince; and Hess, John M, III, 4,874,369, Cl. 604-86.000.

Desenclos, Christian; and Regis, Sinoquet, to Sachs-Huret S.A. Indexation control device for a cycle derailleur. 4,885,951, 12-12-89, Cl. 74-502.200.

Deseret Medical, Inc.: *See—*

Bennett, Laurence M., 4,838,881, Cl. 604-280.000.

Taller, Robert A.; and McGary, Charles W., Jr., 4,817,593, Cl. 128-844.000.

Deseret Research, Inc.: *See—*

Olsen, Steven L.; Petrick, William R.; and Stodt, John A., 4,814,711, Cl. 324-331.000.

Desfontaines, Guy; and Millot, Jean P., to Framatome. Nuclear reactor having a longitudinally elongated vessel. 4,842,813, 6-27-89, Cl. 376-353.000.

Desforges, Francois X.: *See—*

Jeunhomme, Luc; and Desforges, Francois X., 4,870,269, Cl. 250-227.000.

Desgranchamps, Guy, to Societe Nationale Elf Aquitaine (Production). Process for the separation of mercaptans contained in gas. 4,808,341, 2-28-89, Cl. 260-504.00R.

Desgrandchamps, Guy: *See—*

Labat, Yves; and Desgrandchamps, Guy, 4,827,040, Cl. 568-21.000.

Deshais, Richard: *See—*

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DeShaw, Steven: *See—*

Tuttle, Gary M.; and DeShaw, Steven, 4,877,352, Cl. 405-104.000.

Deshet, Gabriel, to Isoform. Apparatus for blanking thin sheets using a punch having localized regions of hand and soft elastic material. 4,856,399, 8-15-89, Cl. 83-685.000.

De Shon, Dennis A. Buoyancy powered desalinization plant. 4,865,723, 9-12-89, Cl. 210-104.000.

Deshpande, Narayan V.; Ims, Dale R.; Hermanson, Herman A.; Kneezel, Gary A.; and Markham, Roger G., to Xerox Corporation. Bubble jet printing device with improved printhead heat control. 4,831,390, 5-16-89, Cl. 346-140.00R.

Deshpande, Narayan V.: *See—*

Torpey, Peter A.; Rezanka, Ivan; Deshpande, Narayan V.; and Drake, Donald J., 4,835,553, Cl. 346-140.000.

Deshpande, Vikas M.; Walts, John M.; and Decker, Susan A., to Sterling Drug Inc. Method for enhancing the body of hair. 4,847,076, 7-11-89, Cl. 424-71.000.

DeSiena, Bernard A.: *See—*

Csuri, John O.; DeSiena, Bernard A.; Johnson, Chris G.; and Kisenwether, David L., 4,795,119, Cl. 248-222.200.

Design Council: *See—*

Andrus, William C., 4,872,094, Cl. 362-96.000.

Design Improvement Corporation: *See—*

Kasner, Clayton S., 4,877,218, Cl. 251-61.300.

Design & Manufacturing Corporation: *See—*

Birli, Joseph A., Sr.; and Birli, Joseph A., Jr., 4,887,429, Cl. 60-527.000.

Design Packaging, Inc.: *See—*

Smith, Jack L., 4,836,270, Cl. 164-412.000.

Design Products, Co., Inc.: *See—*

Koontz, William D., 4,821,161, Cl. 362-364.000.

Design Systems, Inc.: *See—*

Rudy, Norman A.; and Tomlin, James S., 4,875,254, Cl. 17-61.000.

Design Team Partners: *See—*

Wallace, David A.; Feldon, Steven E.; Mezack, Gary; Whiting, Douglas L.; Dally, William J.; and Karns, Scott A., 4,817,432, Cl. 73-602.000.

Design Tech International, Inc.: *See—*

Gottlieb, Mark, 4,851,813, Cl. 340-474.000.

Design Technologies Limited: *See—*

Pilkington, Donald J.; and Marlow, Christopher I., 4,808,046, Cl. 409-132.000.

Design 2000 Limited: *See—*

Evans, J. Richard, 4,869,309, Cl. 160-177.000.

Designs by Master Markets, Inc.: *See—*

Lichtenberg, Jose, 4,862,560, Cl. 24-16.0PB.

Lichtenberg, Jose, 4,862,561, Cl. 24-16.0PB.

Designs for Vision, Inc.: *See—*

Feinbloom, Richard E., 4,799,793, Cl. 356-127.000.

Feinbloom, Richard E., 4,802,756, Cl. 351-200.000.

Feinbloom, Richard E., 4,807,985, Cl. 351-158.000.

Feinbloom, Richard E., 4,859,032, Cl. 350-235.000.

Feinbloom, Richard E.; and Soll, David B., 4,863,468, Cl. 623-6.000.

Designs Unlimited, Inc.: *See—*

Wilson, Dennis W., 4,798,108, Cl. 81-170.000.

Desilets, Brian H.; Kaplan, Richard D.; Sachdev, Harbans S.; Sachdev, Krishna G.; and Sanchez, Susan A., to International Business Machines Corporation. Method of selective reactive ion etching of substrates. 4,826,564, 5-2-89, Cl. 156-643.000.

de Silva, K. Nimalasiri; and Guevremont, Roger, to Canadian Patents & Development Limited. Method and apparatus for introduction of a particulate sample for analysis. 4,836,039, 6-6-89, Cl. 73-864.810

Desilva, Sunil G., to Westinghouse Electric Corp. Method for preventing oxygen corrosion in a boiling water nuclear reactor and improved boiling water reactor system. 4,842,811, 6-27-89, Cl. 376-301.000.

Desimone, Joseph A., to Johnson & Johnson Consumer Products, Inc. Toothbrush with positionable stimulator tip. 4,879,781, 11-14-89, Cl. 15-110.000.

DeSimone, Joseph P.; Heiland, Robert J.; Moulton, Joseph L.; Purcell, D. Glenn; and Pugh, Jerry T., to Miles Inc. Reagent strip handling mechanism. 4,833,088, 5-23-89, Cl. 435-289.000.

DeSimone, Richard E.; and Lane, Lori B., to Amoco Corporation. Selective para-ethylation of toluene with magnesium compound-impregnated, crystalline, gallosilicate based, molecular sieve catalyst compositions. 4,812,536, 3-14-89, Cl. 585-467.000.

Desiro, Richard A. Radiator crimping and decrimping tools. 4,823,455, 4-25-89, Cl. 29-243.500.

DeSisto, Richard E.: *See—*

Warner, Robin L.; and DeSisto, Richard E., 4,800,313, Cl. 310-242.000.

Desjardins, Anne E., to United States of America, Agriculture. Inhibition of trichothecene toxins by ancymidol. 4,816,406, 3-28-89, Cl. 435-254.000.

Desjardins, C. David; Sharifian, Hossein; and MacLean, Gregory K., to New Brunswick Telephone Company, Limited, The. Lithium-lithium nitride anode. 4,888,258, 12-19-89, Cl. 429-194.000.

Desjardins, Gaetan. Aeration device with a protection skirt. 4,849,101, 7-18-89, Cl. 210-170.000.

Desjardins, Gaetan. Aerated facultative basin having a dual function aeration and sludge removal pump in adjacent well. 4,857,185, 8-15-89, Cl. 210-150.000.

Desjardins, Gilles; Tremblay, Guy; and Valois, Paul-Yvon. Balancing apparatus for surf board. 4,850,588, 7-25-89, Cl. 272-111.000.

Desjardins, Paul J.; Dunn, Stanley M.; and Milles, Maano, to University of Medicine and Dentistry of New Jersey; and Rutgers University. Optical method and apparatus for determining three-dimensional changes in facial contours. 4,825,263, 4-25-89, Cl. 356-376.000.

DesJardins, Philip A.; and Powers, Jeffry E., to Advanced Technology Laboratories, Inc. Range-continuity anti-aliasing. 4,817,618, 4-4-89, Cl. 128-661.090.

Desjardins, Rene A., to Boeing Company, The. Drive shaft and rotor hub for helicopter flexible rotor system. 4,877,375, 10-31-89, Cl. 416-134.00A.

Desjardins, Wallace H. Locking collar for telescoping cylindrical tubes. 4,818,135, 4-4-89, Cl. 403-104.000.

Desjoyaux, Jean-Louis: *See—*

Desjoyaux, Pierre; and Desjoyaux, Jean-Louis, 4,801,378, Cl. 210-169.000.

Desjoyaux, Pierre; and Desjoyaux, Jean-Louis. Compact unit for servicing swimming pools. 4,801,378, 1-31-89, Cl. 210-169.000.

Deskiewicz, Alfred J., Jr., to Realty Supply International, Inc. Display tray. 4,844,264, 7-4-89, Cl. 211-50.000.

Deslandes, Francis; Michel, Claude; Provost, Jackie; Raveau, Bernard; Sulpice, Andre; Tholence, Jean-Louis; and Chevalier, Bernard, to Compagnie Generale d'Electricite. Superconductive mixed valence copper oxide, and method of making it. 4,843,059, 6-27-89, Cl. 505-1.000.

Deslauriers, Inc.: *See—*

Fitzgerald, John M.; and Workman, Gary L., 4,842,241, Cl. 249-50.000.

Workman, Gary L., 4,817,794, Cl. 206-372.000.

DesLauriers, Paul J.: *See—*

Magyar, Arpad M.; Patton, Darrell W.; and DesLauriers, Paul J., 4,824,589, Cl. 252-82.000.

Deslippe, Anastase: *See—*

Lemire, Gilbert; and Deslippe, Anastase, 4,806,403, Cl. 428-34.100.

Desmarais, Philip A.: *See—*

Arnold, Robert L.; Mader, William G.; and Desmarais, Philip A., 4,800,786, Cl. 81-121.100.

DesMarais, Thomas A.; and Siegfried, Robert H., to Procter & Gamble Company, The. Absorbent article having floating inner cuffs. 4,808,177, 2-28-89, Cl. 604-385.100.

Desmares, Peter C. J.: *See—*

Adler, Robert; and Desmares, Peter C. J., 4,825,212, Cl. 340-706.000.

Adler, Robert; and Desmares, Peter C. J., 4,827,179, Cl. 313-402.000.

DesMarteau, Darryl D., to Research Corporation. N-fluoro-N-perfluoromethyl sulfonamides. 4,828,764, 5-9-89, Cl. 260-397.450.

Desmarteu, Darryl D.: *See—*

Navarrini, Walter; and Desmarteu, Darryl D., 4,874,875, Cl. 548-959.000.

De Smedt, Willy P.: *See—*

Vervloet, Ludovicus H.; De Smedt, Willy P.; and Vermeulen, Leon L., 4,808,509, Cl. 430-237.000.

DeSmet, Eric, to View-Master Ideal Group, Inc. Interactive talking book and audio player assembly. 4,884,974, 12-5-89, Cl. 434-317.000.

de Smet, Gabriel, to Union Siderurgique du Nord et de l'est de la France (USINOR). Method and device for press-forming sheet metal. 4,833,903, 5-30-89, Cl. 72-57.000.

DeSmet, Gregory L. Illuminated switch. 4,811,175, 3-7-89, Cl. 362-95.000.

Desmicht, Denis: *See—*

Bauer, Jean-Michel; Bontems, Maurice; Desmicht, Denis; Maire, Jacques; Mollet, Serge; and Verna, Maurice, 4,865,739, Cl. 210-490.000.

Desmond, Michael J.; and Pepera, Marc A., to Standard Oil Company, The. Novel fixed-bed vanadium phosphate catalyst systems. 4,801,569, 1-31-89, Cl. 502-209.000.

Desmond, Richard; Mills, Sander G.; Volante, Ralph P.; and Shinkai, Ichiro, to Merck & Company Incorporated. Process for synthesis of arylglyoxal arylimines. 4,871,873, 10-3-89, Cl. 564-276.000.

Desmond, Richard: *See—*

Volante, Ralph P.; Desmond, Richard; and Shinkai, Ichiro, 4,835,276, Cl. 546-89.000.

Desmons, Gerard: *See—*

Fauquet, Jean Noel; and Desmons, Gerard, 4,823,188, Cl. 358-51.000.

Desmonts, Georges: *See—*

Suzuki, Yasuhiro; Remington, Jack S.; Desmonts, Georges; and Thulliez, Philippe, 4,877,726, Cl. 435-7.000.

Desmurs, Jean-Roger; and Ratton, Serge, to Rhone-Poulenc Chimie. Stabilization of mixtures of chlorination of phenol/chlorophenols. 4,822,922, 4-18-89, Cl. 568-702.000.

Desmurs, Jean-Roger; and Jouve, Isabelle, to Rhone-Poulenc Chimie. Chlorination of nitrophenols. 4,827,047, 5-2-89, Cl. 568-709.000.

Desmurs, Jean-Roger; and Ratton, Serge, to Rhone-Poulenc Chimie. Stabilization of mixtures of chlorination of phenol/chlorophenols. 4,853,153, 8-1-89, Cl. 252-400.220.

- Desmurs, Jean-Roger: *See—*
  - Besson, Bernard; Desmurs, Jean-Roger; and Jouve, Isabelle, 4,855,513, Cl. 568-779.000.
  - Ratton, Serge; and Desmurs, Jean-Roger, 4,885,408, Cl. 568-779.000.
- DesNoyers, Daniel P.; Greer, Michael E.; and Aguallo, Albert J., to Signlite Services, Inc. Outdoor support post apparatus. 4,843,746, 7-4-89, Cl. 40-607.000.
- Desnoyers, Michael: *See—*
  - Polkinghorne, John; and Desnoyers, Michael, 4,816,823, Cl. 340-825.150.
- deSolms, Jane: *See—*
  - Baldwin, John J.; Huff, Joel R.; Vacca, Joseph P.; Young, Steven D.; deSolms, Jane; and Guare, James P., Jr., 4,824,849, Cl. 514-267.000.
- deSolms, Susan J.: *See—*
  - Baldwin, John J.; Huff, Joel R.; deSolms, Susan J.; Vacca, Joseph P.; Wiggins, Jonathan M.; and Young, Steven D., 4,831,035, Cl. 514-256.000.
- DeSomer, Michel P. M.: *See—*
  - Debuysscher, Pierre L.; Bauwens, Jan G.; and DeSomer, Michel P. M., 4,813,037, Cl. 370-60.000.
- Desopper, Andre : *See—*
  - Vuillet, Alain E.; Philippe, Jean J.; and Desopper, Andre , 4,880,355, Cl. 416-228.000.
- DeSoto, Inc.: *See—*
  - Bishop, Timothy; Ohtaka, Tohru; Bessho, Keiichi; Sugimoto, Takeshi; and Igarashi, Katsutoshi, 4,844,604, Cl. 350-96.240.
  - Bishop, Timothy E., 4,849,462, Cl. 522-97.000.
  - Hawker, Fred D.; Pietryga, Victor E.; and Byrd, Robert W., 4,806,390, Cl. 427-156.000.
  - Higginbotham, Clark A.; and West, Paul T., 4,795,777, Cl. 524-441.000.
  - Higginbotham, Clark A.; Jasenof, Kenneth E.; and Smyrniotis, John, 4,835,018, Cl. 427-380.000.
  - Katchko, John E.; Strobel, Charles W.; and Plaisance, Thomas H., 4,797,176, Cl. 162-135.000.
  - Krajewski, John J.; Bishop, Timothy E.; Coady, Clive J.; Zimmerman, John M.; Noren, Gerry K.; and Fisher, Christopher E., 4,806,574, Cl. 522-96.000.
  - Murphy, Edward J.; Ansel, Robert E.; and Krajewski, John J., 4,844,144, Cl. 164-35.000.
  - Murray, Kevin P.; Hoffman, William E.; and Ansel, Robert E., 4,818,780, Cl. 524-430.000.
  - Murray, Kevin P.; Ansel, Robert E.; and Schmid, Steven R., 4,822,841, Cl. 524-356.000.
  - Parsons, Gerry A.; and Li, Pat P., 4,824,728, Cl. 428-421.000.
  - Sekmakas, Kazys, 4,839,403, Cl. 523-412.000.
  - Sekmakas, Kazys, 4,840,991, Cl. 524-812.000.
  - Shama, Sami A.; and Derer, John L., 4,889,901, Cl. 526-279.000.
  - Shay, Gregory D.; Kravitz, Fran K.; Brizgys, Peter V.; and Kersten, Mark A., 4,801,671, Cl. 526-214.000.
  - Tortorello, Anthony J.; and Gong, Helene, 4,847,314, Cl. 524-317.000.
  - Zimmerman, John M.; and Bishop, Timothy E., 4,798,852, Cl. 522-96.000.
- Desoutter Limited: *See—*
  - Dudden, Christopher J., 4,850,753, Cl. 408-14.000.
- de Souza, Noel J.: *See—*
  - Dhar, Rajkumar; Venugopalan, Bindumadhavan; Chatterjee, Dipak K.; Rupp, Richard H.; and de Souza, Noel J., 4,803,204, Cl. 514-232.800.
- deSouza, Peter V.: *See—*
  - Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., 4,827,521, Cl. 381-43.000.
  - Bahl, Lalit R.; DeSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,833,712, Cl. 381-43.000.
  - Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., 4,852,173, Cl. 381-43.000.
  - Bahl, Lalit R.; deSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,882,759, Cl. 381-51.000.
- deSouze, Peter V.: *See—*
  - Bahl, Lalit R.; deSouze, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,819,271, Cl. 381-43.000.
- Desowag Materialschutz GmbH: *See—*
  - Metzner, Wolfgang; and Seepe, Detlef, 4,824,484, Cl. 106-18.310.
- Despatch Industries, Inc.: *See—*
  - Melgaard, Hans L., 4,821,866, Cl. 198-494.000.
  - Melgaard, Hans L., 4,846,669, Cl. 432-59.000.
- Despault, Paul R.: *See—*
  - Debortoli, George; Contardo, Remo; and Despault, Paul R., 4,826,449, Cl. 439-411.000.
- Despax, Damien M.; Martin, Jean-Pierre A.; and Gueuret, Francois C., to Compagnie Francaise des Petroles. Geomechanical probe for a drilling well. 4,800,753, 1-31-89, Cl. 73-151.000.
- Desphandey, Chandra V.; Bunshah, Rointan F.; and Doerr, Hans J., to University of California, The Regents of the. Process for making diamond, doped diamond, diamond-cubic boron nitride composite films. 4,816,291, 3-28-89, Cl. 427-38.000.
- Despic, Aleksandar; and Krsmanovic, Kosta. Electrochemical cell with moving electrode. 4,800,009, 1-24-89, Cl. 204-225.000.
- Despinoy, Bernard; Durand, Philippe; and Mouget, Jean, to Societe Anonyme dite : Framatome. Method of connecting a mineral-insulated electric cable, in particular in the reactor building of a nuclear boiler. 4,866,840, 9-19-89, Cl. 29-828.000.
- Desplaces, Nicole: *See—*
  - Tchen, Paul; Desplaces, Nicole; Grimont, Patrick; and Grimont, Francine (maiden name Besse), 4,810,644, Cl. 435-91.000.
- Desplat, Philippe: *See—*
  - Nobilet, Bernard; Bonhomme, Michel; and Desplat, Philippe, 4,857,458, Cl. 435-311.000.
- Despot, Janko; and Krober, Ulrich, to M.A.N.-Roland Druckmaschinen AG. Protective device on rotary printing presses. 4,854,233, 8-8-89, Cl. 101-216.000.
- Despotakis, John A.: *See—*
  - Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,807,116, Cl. 364-200.000.
  - Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,817,091, Cl. 371-9.000.
- Despouys, Jean B., to Radiall Industrie. Connector for optical fibres and a method of producing it. 4,869,572, 9-26-89, Cl. 350-96.210.
- Despres, Dominique; and Paquin, Jacques, to Valeo. Torsional damper device for torque transmission systems. 4,820,239, 4-11-89, Cl. 464-68.000.
- Desroches, Romeo. Vehicle and joist monorail trackway and method of transporting roof decking thereover. 4,805,537, 2-21-89, Cl. 104-246.000.
- DesRosier, John P.; and Ward, N. Robert, Jr., to BioControl Systems Inc. Methods and device for detection of microorganisms. 4,868,110, 9-19-89, Cl. 435-34.000.
- Desrosiers. J. Armand. Plant harvester. 4,815,260, 3-28-89, Cl. 56-9.000.
- Dessanti, Daniel J.; and Schorr, Hans P., to Brooklyn Union Gas Company, The. Combustion-powered compound refrigeration system. 4,873,839, 10-17-89, Cl. 62-238.600.
- Dessapt, Jean-Paul, to Institut Francais du Petrole. Device for producing soundwaves in water. 4,835,746, 5-30-89, Cl. 367-146.000.
- Dessapt, Jean-Paul: *See—*
  - Ham, Pierre; Dessapt, Jean-Paul; Bischoff, Didier; and de Bonneville, Jean, 4,849,092, Cl. 208-140.000.
- Dessart, Herman, to Solvay & Cie (Societe Anonyme). Process for the neutralization of a layer of acidic water over a sediment comprising a humic substance. 4,889,641, 12-26-89, Cl. 210-752.000.
- Dessau, Ralph M.; and Valyocsik, Ernest W., to Mobil Oil Corporation. Styrene production. 4,822,942, 4-18-89, Cl. 585-419.000.
- Dessau, Ralph M.; Valyocsik, Ernest W.; and Venkat, Chaya, to Mobil Oil Corporation. Dewaxing over crystalline indium silicates containing groups VIII means. 4,830,729, 5-16-89, Cl. 208-89.000.
- Dessau, Ralph M.; Partridge, Randall D.; and Valyocsik, Ernest W., to Mobil Oil Corporation. Catalytic dehydrogenation of hydrocarbons over indium-containing crystalline microporous materials. 4,849,567, 7-18-89, Cl. 585-379.000.
- Dessau, Ralph M., to Mobil Oil Corporation. Styrene production. 4,851,599, 7-25-89, Cl. 585-407.000.
- Dessau, Ralph M. Dehydrogenation, dehydrocyclization and reforming catalyst. 4,867,864, 9-19-89, Cl. 208-138.000.
- Dessau, Ralph M.; and Valyocsik, Ernest W., to Mobil Oil Corporation. Dehydrogenation and dehydrocyclization catalyst. 4,868,145, 9-19-89, Cl. 502-66.000.
- Dessau, Ralph M.; and Valyocsik, Ernest W., to Mobil Oil Corporation. Reforming process. 4,882,040, 11-21-89, Cl. 208-138.000.
- Dessau, Ralph M.; Valyocsik, Ernest W.; and Vartuli, James C., to Mobil Oil Corporation. Catalytic dehydrogenation of hydrocarbons over tin-containing crystalline microporous materials. 4,886,926, 12-12-89, Cl. 585-444.000.
- Dessau, Ralph M.: *See—*
  - Chang, Clarence D.; Chu, Cynthia T-W.; Chu, Pochen; Dessau, Ralph M.; Garwood, William E.; Kuehl, Guenter H.; Miale, Joseph N.; and Shihabi, David S., 4,876,228, Cl. 502-71.000.
  - Degnan, Thomas F., Jr.; and Dessau, Ralph M., 4,884,531, Cl. 123-3.000.
- Dessauer, Guido; and Berenbold, Helmut. Agent for improving the printability of paper and board. 4,857,110, 8-15-89, Cl. 106-211.000.
- Dessauer, Guido, to Hoechst Aktiengesellschaft. Method for treating paper to improve the holdout characteristics of printing inks. 4,867,844, 9-19-89, Cl. 162-135.000.
- Dessauer, Rolf: *See—*
  - Blanchet-Fincher, Graciela B.; Fincher, Curtis R., Jr.; Cheng, Lawrence K.; Dessauer, Rolf; and Looney, Catharine E. 4,818,660, Cl. 430-281.000.
- Dest Corporation: *See—*
  - Hodgens, Thomas A.; Lowrie, Amy L.; and Murphy, James R. 4,887,301, Cl. 382-9.000.
- d'Estaintot, Pierre, to Societe Anonyme des Marches Usines-Auchan. Apparatus for automatically placing into bags articles delivered at the exit of a check-out station. 4,869,045, 9-26-89, Cl. 53-384.000.
- DeStefano, Peter, Jr. Golf club combined with ball position marker. 4,858,925, 8-22-89, Cl. 273-162.00D.
- Destin Machine, Inc.: *See—*
  - Lung, Jimmy R., 4,881,338, Cl. 43-5.000.
- Destree, Xavier P.; and Lazzari, Angelo A., to Eurosteel s.a. Moldable material reinforcement fibers with hydraulic or non-hydraulic binder and manufacturing thereof. 4,883,713, 11-28-89, Cl. 428-397.000.
- Destry, Christopher M.: *See—*
  - Destry, Donald M.; and Destry, Christopher M., 4,889,346, Cl. 273-406.000.

- Destry, Donald M.; and Destry, Christopher M., to Computer Design Ranges, Inc. Automated target range system. 4,889,346, 12-26-89, Cl. 273-406.000.
- Desty, Dennis H.: *See—*
  - Swift, Thomas R.; and Desty, Dennis H., 4,861,489, Cl. 210-668.000.
- Desurvire, Emmanuel; Digonnet, Michel J. F.; and Shaw, H. J., to Leland Stanford Junior University, The Board of Trustees of the. In-line fiber optic memory and method of using same. 4,815,804, 3-28-89, Cl. 350-96.150.
- DeSutter, Steven C.: *See—*
  - Gardner, Bronson; Keener, Melvin E.; DeSutter, Steven C.; Jagatich, Carl T.; and Felice, Ralph A., 4,876,647, Cl. 364-420.000.
- Desvard, Alain: *See—*
  - Trinh, Dinh Chan; Desvard, Alain; and Martino, Germain, 4,830,997, Cl. 502-28.000.
- Desy, Raoul O.; and Krusas, James J., to American Optical Corporation. Face protective device. 4,856,109, 8-15-89, Cl. 2-9.000.
- Detection Systems, Inc.: *See—*
  - Behlke, George E., 4,864,136, Cl. 250-338.300.
- Detector Electronics Corporation: *See—*
  - Odum, James M., 4,826,316, Cl. 356-239.000.
- DeTeresa, Steven J.: *See—*
  - Farris, Richard J.; Cohen, Yachin; and DeTeresa, Steven J., 4,842,924, Cl. 428-221.000.
- Determann, Otto: *See—*
  - Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; Ocvirk, Norbert; Becker, Horst P.; and Determann, Otto, 4,840,436, Cl. 303-119.000.
  - Ocvirk, Norbert; Weise, Lutz; Becker, Horst-Peter; and Determann, Otto, 4,818,038, Cl. 303-119.000.
  - Ocvirk, Norbert; Weise, Lutz; Becker, Horst P.; and Determann, Otto, 4,828,338, Cl. 303-119.000.
  - Seibert, Wolfram; Ocvirk, Norbert; Trach, Guenter; Determann, Otto; and Becker, Horst P., 4,803,840, Cl. 60-545.000.
  - Steffes, Helmut; Ocvirk, Norbert; Buschmann, Gunther; David, Anton; Graeber, Johannes; Determann, Otto; and Batistic, Ivica, 4,824,182, Cl. 303-92.000.
- Deters, Joseph C.; Wong, Patrick S. L.; Barclay, Brian L.; Theeuwes, Felix; and Swanson, David R., to ALZA Corporation. Dosage form for dispensing drug for human therapy. 4,837,111, 6-6-89, Cl. 424-473.000.
- Deters, Joseph C.: *See—*
  - Eckenhoff, James B.; Theeuwes, Felix; and Deters, Joseph C., 4,800,056, Cl. 264-129.000.
  - Eckenhoff, James B.; Theeuwes, Felix; and Deters, Joseph C., 4,814,180, Cl. 424-473.000.
- Deters, Ludger; Englander, Heinrich; Kabelitz, Hans-Peter; and Schutz, Gunter, to Leybold-Heraeus GmbH. Device for moving gas at subatmospheric pressure. 4,797,062, 1-10-89, Cl. 415-90.000.
- Detert, Ernst-Rolf; Buchholz, Wilhelm H.; and Gerlach-Meinders, Klaus, to Eduard Gerlach GmbH. Multipurpose sheet material and method of manufacture. 4,832,791, 5-23-89, Cl. 162-99.000.
- Detexomat Machinery Limited: *See—*
  - Egea, Noel; and Olive, Corinne, 4,827,693, Cl. 53-397.000.
  - Thurner, Dietrich; and Schutzmeier, Herman, 4,862,815, Cl. 112-262.200.
- Dethienne, Henri-Pierre Y., to U.S. Philips Corporation. Transformer having coaxial coils. 4,857,877, 8-15-89, Cl. 336-170.000.
- Dethlefsen, Uwe, to Euroceltique, S.A. Pharmaceutical combination of nifedipine and salbutamol. 4,871,545, 10-3-89, Cl. 424-470.000.
- Dethloff, Juergen; and Hinneberg, Christian, to Juergen Dethloff. Apparatus and method to control economical systems. 4,833,607, 5-23-89, Cl. 364-401.000.
- Dethloff, Juergen; and Hinneberg, Christian, to Juergen Dethloff. Multi-user card system. 4,837,422, 6-6-89, Cl. 235-380.000.
- De Thomas, Waldo, to GAF Corporation. Hydrogenation catalyst and process for its preparation. 4,795,733, 1-3-89, Cl. 502-327.000.
- De Thomas, Waldo; and Taylor, Paul D., to GAF Corporation. Hydrogenation catalyst and process for preparing the catalyst. 4,797,382, 1-10-89, Cl. 502-245.000.
- De Thomas, Waldo, to GAF Corporation. Purification of butyrolactone. 4,851,085, 7-25-89, Cl. 203-35.000.
- De Thomas, Waldo, to GAF Corporation. Hydrogenation catalyst. 4,885,410, 12-5-89, Cl. 568-861.000.
- De Thomas, Waldo; and Taylor, Paul D., to GAF Corporation. Hydrogenation process for converting lactones to diols. 4,885,411, 12-5-89, Cl. 568-864.000.
- Detia Freyberg GmbH: *See—*
  - Friemel, Wolfgang; Barth, Volker; Munzel, Martin; and Ehret, Reiner, 4,812,291, Cl. 422-28.000.
- Detig, Robert H.; and Bujese, David P., to Olin Hunt Specialty Products Inc. Dry powder electrophotographic toner with permanent master in electrostatic transfer. 4,859,557, 8-22-89, Cl. 430-100.000.
- Detinko, Felix M.: *See—*
  - Ponce, Hector O.; and Detinko, Felix M., 4,810,919, Cl. 310-217.000.
- Detlefsen, Charles R. Suction pump with collapsible bellows. 4,850,826, 7-25-89, Cl. 417-555.100.
- Detlev, Joachimi: *See—*
  - Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.
- Detloff, Clement A.; and Detloff, Kirk C., to General Motors Corporation. Cam action vehicle seat adjuster latch apparatus and method. 4,865,386, 9-12-89, Cl. 297-375.000.
- Detloff, Kirk C.: *See—*
  - Detloff, Clement A.; and Detloff, Kirk C., 4,865,386, Cl. 297-375.000.
- de Toledo, Fernando A.; and Tripp, Hugh A., to Medi-Tech, Incorporated. Medical guidewire. 4,830,023, 5-16-89, Cl. 128-772.000.
- De Tomaso, Alejandro, to Officine Alfieri Maserati S.p.A. High performance internal combustion engine. 4,809,663, 3-7-89, Cl. 123-432.000.
- Deton Engineering (Proprietary) Limited: *See—*
  - du Preez, Hercules P.; and Dippenaar, Hermanus, 4,825,771, Cl. 104-246.000.
- Detonix Close Corporation: *See—*
  - Patz, Vivian E.; and Smithies, Stafford A., 4,819,560, Cl. 102-202.500.
- Detournay, Jean-Paul; and Cabaraux, Emile, to Solvay & Cie (Societe Anonyme). Electrolyser of the filter-press type. 4,800,008, 1-24-89, Cl. 204-253.000.
- de Toytot, Francois: *See—*
  - Bravet, Jean-Louis, and de Toytot, Francois, 4,818,622, Cl. 428-425.600.
- DeTrano, Mario N.: *See—*
  - Hergenrother, William L.; and DeTrano, Mario N., 4,847,360, Cl. 528-407.000.
- Detrex Corporation: *See—*
  - Sokalski, Stanley M., 4,795,506, Cl. 148-6.14R.
- Detriche, Jean-Marie: *See—*
  - Clement, Gilles; Detriche, Jean-Marie; and Villedieu, Eric, 4,815,319, Cl. 73-493.000.
- Detroit Armor Corporation: *See—*
  - Cartee, Larry A.; and Barot, Harry A., 4,821,620, Cl. 89-36.020.
- Detroit Bracket Company, Inc.: *See—*
  - Sokol, Steven, 4,836,482, Cl. 248-206.300.
- Detroit Edison Company: *See—*
  - Kozak, Frank J., 4,817,929, Cl. 269-43.000.
- Detroit Forming, Inc.: *See—*
  - Burns, Thomas M.; and Ryan, David, 4,834,606, Cl. 414-795.300.
- Detroit, John F.: *See—*
  - Records, Robert A.; Luchterhand, Ralph E.; and Detroit, John F., 4,886,156, Cl. 198-692.000.
- Detroit Marine Engineering Corporation: *See—*
  - Wrigley, R. Alexander, 4,884,469, Cl. 74-552.000.
- Detroit Stoker Company: *See—*
  - Johnson, Neil H., 4,867,955, Cl. 423-244.000.
- Detroit, William J., to Reed Lignin Inc. Lignosulfonate treated fertilizer particles. 4,846,871, 7-11-89, Cl. 71-25.000.
- Detroit, William J., to Reed Lignin Inc. Oil well drilling cement dispersant. 4,846,888, 7-11-89, Cl. 106-93.000.
- Detroz, Rene : *See—*
  - Gago, Ignace; and Detroz, Rene , 4,879,839, Cl. 47-57.600.
- Detsch, Steven G. Prosthetic implant attachment system and method. 4,854,872, 8-8-89, Cl. 433-173.000.
- Detterman, Don E.: *See—*
  - Kage, Hermann J.; Detterman, Don E.; Eden, Wade A.; and Chapman, Alex B., 4,823,150, Cl. 346-146.000.
- Dettin, Piergiorgio, to F.lli Dettin S.p.a. Hydroextractor for yarns on a reel. 4,852,270, 8-1-89, Cl. 34-58.000.
- Dettinger, Dietrich: *See—*
  - Holl, Roland; and Dettinger, Dietrich, 4,852,491, Cl. 101-408.000.
- Dettman, Jan C. Sterilization of ascorbates. 4,816,223, 3-28-89, Cl. 422-28.000.
- Dettwiler, Hermann. Device for converting the energy of a flowable medium into a torque. 4,880,353, 11-14-89, Cl. 416-83.000.
- de Tuesta, Diaz. Accumulator piston for automotive transmission. 4,867,294, 9-19-89, Cl. 192-109.00F.
- Detusche Thomson-Brandt GmbH: *See—*
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- Detwiler, Paul O.: *See—*
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- Deubel, Reinhold: *See—*
  - Weide, Joachim; Dietz, Erwin; and Deubel, Reinhold, 4,828,622, Cl. 106-412.000.
- Deubler, Louis H.; Reisener, Delbert C.; and Pearson, Dennis G., to Deublin Company. Rotating union with replaceable sealing assembly. 4,817,995, 4-4-89, Cl. 285-98.000.
- Deublin Company: *See—*
  - Deubler, Louis H.; Reisener, Delbert C.; and Pearson, Dennis G., 4,817,995, Cl. 285-98.000.
- Deubzer, Bernward: *See—*
  - Herzig, Christian; Deubzer, Bernward; Frey, Volker; and Esterbauer Josef, 4,857,608, Cl. 525-476.000.
  - Sittenthaler, Wilhelm; Marquardt, Klaus; Deubzer, Bernward; and Eglseder, Anton, 4,833,187, Cl. 524-188.000.
  - Wolfgruber, Matthias; Deubzer, Bernward; and Frey, Volker, 4,857,582, Cl. 524-730.000.
- Deucher, Joseph S.; Kacsala, Michael S.; and Szpak, Anthony D., to Picker International, Inc. Portable field X-ray diagnostic system. 4,805,202, 2-14-89, Cl. 378-209.000.
- Deuer Manufacturing Inc.: *See—*
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Deuring, Hans; and Pesch, Klaus, to Goetze AG. Valve clearance adjusting device. 4,825,824, 5-2-89, Cl. 123-90.580.
Deuring, Hans, to Goetze AG. Valve stem sealing assembly. 4,826,180, 5-2-89, Cl. 277-9.500.
Deuring, Hans, to Goetze AG. Slide ring seal with carrier body. 4,854,598, 8-8-89, Cl. 277-87.000.
Deurloo, Johannis M., to N.K.F. Groep B.V. Electrical connector with safety partition. 4,799,903, 1-24-89, Cl. 439-696.000.
Deuse, Thomas, to Degussa Aktiengesellschaft. Method and device for the continuous dosing of powdery substances by means of high-pressure gas. 4,815,860, 3-28-89, Cl. 366-3.000.
Deuser, Norbert: *See—*
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Deussen, Helmut, to W. Schlafhorst & Co. Method of producing mottled rotor spun yarn. 4,845,946, 7-11-89, Cl. 57-409.000.
Deusser, Peter G.; Boehm, Detlef M.; Eiden, Karl W.; and Becker, Johann A., to U.S. Philips Corp. Branching circuit for an optical cable comprising a plurality of optical waveguides and a method of producing same. 4,859,020, 8-22-89, Cl. 350-96.200.
Deusser, Peter G. Boehm, Detlef M.; and Becker, Johann A., to U.S. Philips Corp. Storage device for a spare length of at least one optical fibre. 4,886,336, 12-12-89, Cl. 350-96.200.
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Deutch, Bernhard I. Process for preparing antihydrogen. 4,867,939, 9-19-89, Cl. 376-156.000.
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Deutsch, Allan S.; and Musikant, Barry L., to Essential Dental Systems, Inc. Retention device for dentures and the like. 4,824,371, 4-25-89, Cl. 433-189.000.
Deutsch, Edward A.; and Vanderheyden, Jean-Luc, to University of Cincinnati. $^{99m}Tc^{(III)}$ myocardial imaging agents which are non-reducable in vivo. 4,795,626, 1-3-89, Cl. 424-1.100.
Deutsch, Edward A., to University of Cincinnati. Radioactive rhenium complexed to 2-hydroxy isobutyric acid. 4,839,467, 6-13-89, Cl. 534-10.000.
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Deutsch, Jean-Claude, to Commissariat a l'Energie Atomique. Device for determining the contrast of a display screen as a function of the observation direction. 4,870,263, 9-26-89, Cl. 250-201.000.
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Deutsch, Larry-Stuart. Guiding catheter system. 4,820,271, 4-11-89, Cl. 604-99.000.
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Deutsch, Michael. Commercial air ventilation system. 4,887,587, 12-19-89, Cl. 126-299.00D.
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Deutsch, Ralph, to Kawai Musical Instrument Mfg. Co., Ltd. Harmonic coefficient generator for an electronic musical instrument. 4,800,794, 1-31-89, Cl. 84-1.210.
Deutsch, Ralph; and Deutsch, Leslie J., to Kawai Musical Instrument Mfg. Co., Ltd. Guitar controlled electronic musical instrument. 4,823,667, 4-25-89, Cl. 84-1.160.
Deutsch, Ralph, to Deutsch Research Laboratories, Ltd. Multi-channel tone generator for an electronic musical instrument. 4,827,547, 5-9-89, Cl. 84-1.240.
Deutsch, Reinhard, to Korber AG. Method of an apparatus for packing rod-shaped articles of the tobacco processing industry. 4,866,912, 9-19-89, Cl. 53-449.000.
Deutsch, Reinhard, to Korber AG. Apparatus for transferring block-shard groups of rod-shaped articles of the tobacco processing industry. 4,889,226, 12-26-89, Cl. 198-450.000.
Deutsch Research Laboratories, Ltd.: *See—*
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Deutsch, Robert W.; and Karim, Frank, to Motorola, Inc. Servo control system for transmission shaft speed control. 4,807,130, 2-21-89, Cl. 364-424.100.
Deutsch, Timothy A.; and Haverdink, Virgil D., to Deere & Company. Molded cotton door and mounting structure therefor. 4,817,370, 4-4-89, Cl. 56-41.000.
Deutsch, Timothy A.; and Hubbard, Arthur L., to Deere & Company. Cotton harvester and tandem row unit therefor. 4,821,497, 4-18-89, Cl. 56-41.000.
Deutsch, Timothy A.; and Copley, Russell D., to Deere & Company. Moistener pad for a cotton harvester. 4,821,498, 4-18-89, Cl. 56-50.000.
Deutsch, Timothy A., to Deere & Company. Lubrication distribution system for a cotton harvester. 4,840,018, 6-20-89, Cl. 56-12.300.
Deutsch, Timothy A.; and Sheldon, Donald H., Jr., to Deere & Company. Rotating moistener column for a cotton harvester. 4,850,184, 7-25-89, Cl. 56-41.000.
Deutsch, Timothy A.; Schreiner, Joel M.; and McBee, Steve H., to Deere & Company. Alignable cotton conveying structure for a transversely movable row unit. 4,875,330, 10-24-89, Cl. 56-41.000.
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Deutsche AG fur Unterhaltungselectronic OHG: *See—*
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Deutsche Gelatine-Fabriken Stoess & Co GmbH. *See—*
Koepff, Peter; Muller, Alexander; Schreiber, Reinhard; Turowski, Angelika; and Braumer, Klaus, 4,804,745, Cl. 530-356.000.
Deutsche Gelatinefabriken Stoess & Co. GmbH: *See—*
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Madle, Wolfgang; Gawlik, Norbert; and Popp, Franz W., 4,847,009, Cl. 252-633.000.
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Supik, Helmuth, 4,818,469, Cl. 376-203.000.
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Gleim, Gunter; and Uhde, Dietmar, 4,862,045, Cl. 318-254.000.
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Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, 4,849,818, Cl. 358-142.000.
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Plantholt, Martin, 4,800,427, Cl. 358-141.000.
Platte, Hans-Joachim; Keesen, Heinz-Werner; Plantholt, Martin; Schutze, Herbert; and Haupt, Dieter, 4,864,409, Cl. 358-222.000.
Rilly, Gerard; and Rodriguez, Jose, 4,864,485, Cl. 363-49.000.
Rilly, Gerard; and Rodriguez, Jose-Ignacio, 4,876,636, Cl. 363-21.000.
Rufray, Jean-Claude, 4,868,660, Cl. 358-181.000.
Scheffler, Wilfried, 4,809,254, Cl. 369-75.200.
Schmitz, Friedrich, 4,888,496, Cl. 307-264.000.
Uhde, Dietmar; Gleim, Gunter; Schandl, Hartmut; Hoch, Peter; and Lehmann, Rudiger, 4,803,408, Cl. 318-254.000.
Zucker, Friedhelm, 4,888,476, Cl. 250-201.000.
Deutsche Voest-Alpine Industrieanlagenbau GmbH: *See—*
Kepplinger, Werner, 4,878,943, Cl. 75-25.000.
Deutscher, Anneliese, executor: *See—*
Franek, Henning; Deutscher, Klaus-Konrad, deceased; Broemer, Heinz; Strunz, Volker; and Rosenkranz, Wolfgang, 4,881,897, Cl. 433-169.000.
Deutscher, Klaus: *See—*
Franek, Henning; Broemer, Heinz; and Deutscher, Klaus, 4,830,655, Cl. 65-286.000.
Deutscher, Klaus-Konrad, deceased: *See—*
Franek, Henning; Deutscher, Klaus-Konrad, deceased; Broemer, Heinz; Strunz, Volker; and Rosenkranz, Wolfgang, 4,881,897, Cl. 433-169.000.
Deutsches Electronen-Synchrotron DESY: *See—*
Peters, Jens; and Becker, Ludwig, 4,890,056, Cl. 324-83.00D.
Deutsches Primatenzentrum GmbH: *See—*
Eckstein, Fritz; Hunsmann, Gerhard; and Hartmann, Heinz, 4,880,782, Cl. 514-45.000.
Deutschlander, Gert, to Sig Schweizerische Industrie-Gesellschaft. Apparatus for separating items conveyed in a contacting series. 4,815,581, 3-28-89, Cl. 198-461.000.
Deutschmann, Herbert; Wolters, Gerd-Michael; and Reifenscheid, Otto, to MTU Motoren- und Turbinen-Union Friedrichshafen GmbH. Arrangement for the mounting of exhaust gas lines. 4,807,436, 2-28-89, Cl. 60-322.000.
Deutschmann, Herbert, to MTU Motoren- und Turbinen-Union Friedrichshafen GmbH. Multi-cylinder diesel internal combustion engine with low compression ratio in the cylinders. 4,860,716, 8-29-89, Cl. 123-560.000.
Deutschmann, Herbert, to MTU Motoren- und Turbinen-Union Friedrichshafen GmbH. Exhaust gas line for a supercharged, multi-cylinder piston internal combustion engine. 4,869,064, 9-26-89, Cl. 60-322.000.
Deutz-Allis Corporation: *See—*
Enzmann, Michael H., 4,835,954, Cl. 56-303.000.
Murray, David L., 4,800,962, Cl. 172-126.000.
DeVack, Donald L.: *See—*
Davis, Robert B.; and DeVack, Donald L., 4,848,094, Cl. 62-64.000.
DeVale, Donald P.; Adams, Douglas W.; and Van Naarden, Robert W., to Industrial Design Electronic Assoc., Inc. Missed hit and player proximity detection system for electronic projectile game. 4,807,887, 2-28-89, Cl. 273-372.000.
DeVale, Donald P.; Brejcha, Robert J.; and Lantz, Gregory W., to Kidde Recreational Products Inc. Dart game target construction. 4,836,556, 6-6-89, Cl. 273-376.000.
DeVane, Jean: *See—*
Fernandez, Elio M.; and DeVane, Jean, 4,852,749, Cl. 211-133.000.
Devaney, Mark J., Jr.; and Wannenwetsch, Edward H., to Eastman Kodak Company. Sliding test device for assays. 4,877,586, 10-31-89, Cl. 422-101.000.
De Vargas, Angela; and Casement, John M. Toilet seat handle. 4,805,246, 2-21-89, Cl. 4-251.000.
Devash, Yair, to Repligen Corporation. Dinucleoside pyrophosphates and pyrophosphate homologs as plant antivirals. 4,855,304, 8-8-89, Cl. 514-47.000.
Devaud, Gerald; and Rembliere, Jean-Michel, to S.A.M.M.-Societe d'Applications des Machines Motrices. Vane-type rotary hydraulic actuator device intended for driving an aircraft control surface. 4,825,754, 5-2-89, Cl. 92-122.000.
Devaud, Gerard; and Libault de la Chevasnerie, Arnaud, to S.A.M.M. - Societe D'Applications Des Machines Motrices. Electrohydraulic servovalve for the control of a hydraulic actuator, in particular in servomechanisms controlling the flight of aircraft. 4,858,650, 8-22-89, Cl. 137-625.220.
Devault, Michel: *See—*
Chomel, Denis; Devault, Michel; Le Bris, Herve ; and Rouaud, Yvon, 4,849,965, Cl. 370-85.000.
DeVault, Robert C.; and Biermann, Wendell J., to Martin Marietta Energy Systems, Inc. Seven-effect absorption refrigeration. 4,827,728, 5-9-89, Cl. 62-79.000.

De Vaulx, Louis, to Automobiles Peugeot; and Automobiles Citroen. Device having a modifiable code for protecting against theft of automobile vehicles. 4,888,575, 12-19-89, Cl. 340-426.000.
DeVaux, Anne E.: *See—*
  Stolowitz, Mark L.; Paape, Beth A., and DeVaux, Anne E., 4,863,870, Cl. 436-89.000.
De Vaux Kopyta, Deborah L.: *See—*
  Evans, George L.; and De Vaux Kopyta, Deborah L., 4,814,276, Cl. 435-253.600.
DeVay, Gwen E.: *See—*
  Anderson, Kathleen H.; Lorence, Matthew W.; and DeVay, Gwen E., 4,842,876, Cl. 426-243.000.
DeVeau, George F.: *See—*
  Aberson, James A., Jr.; DeVeau, George F.; and Yasinski, Kenneth M., 4,880,291, Cl. 350-96.210.
De Veauce, Charles D. C.: *See—*
  Caillau, Pierre; Morgan, Paul; and De Veauce, Charles D. C., 4,836,855, Cl. 106-91.000.
Deveaud, Benoit: *See—*
  Naud, Claude; Guillot, Gerard; Deveaud, Benoit; and Clerjaud, Bernard, 4,821,274, Cl. 372-43.000.
Deveaux, George A. Dipstick wiper. 4,860,401, 8-29-89, Cl. 15-210.00B.
Develco, Inc.: *See—*
  Rorden, Louis H.; and More, Henry S., 4,823,125, Cl. 340-854.000.
  Rorden, Louis H.; and Moore, T. Charles, 4,878,053, Cl. 340-853.000.
DeVellis, Robert; Schroeder, Lawrence R.; Paalman, H. Hunter; Tong, Curtis M.; Caskey, Terrence L.; and Martin, Charles W., to Dow Chemical Company, The. Method and device for separating polar from non-polar liquids using membranes. 4,846,977, 7-11-89, Cl. 210-640.000.
Development Co., Ltd.: *See—*
  Gressel, Jonathan; Aviv, Dvora; and Perl, Avihai, 4,795,705, Cl. 435-172.200.
Development Finance Corporation: *See—*
  Brookes, David L., 4,878,664, Cl. 273-11.00R.
Devendra, Keerthi, to Rolls-Royce plc. Method of enhancing the leaching rate of a given material. 4,836,268, 6-6-89, Cl. 164-132.000.
Dever, James A., to Green Ball Bearing Company. Unitary hub assembly. 4,878,683, 11-7-89, Cl. 280-96.100.
De Vercelli, Sergio: *See—*
  Franzone, Jose S.; and De Vercelli, Sergio, 4,868,186, Cl. 514-265.000.
Devereux, Corinne: *See—*
  Spillert, Charles R.; Devereux, Corinne; and Lazaro, Eric J., 4,833,132, Cl. 514-158.000.
Devereux, William S.; and Westerfield, Edwin E., to Johns Hopkins University, The. Pseudo-Random code generator for use with a global positioning system. 4,876,659, 10-24-89, Cl. 364-717.000.
Deverill, Ian: *See—*
  Bradwell, Arthur R.; and Deverill, Ian, 4,889,815, Cl. 436-517.000.
Devernoe, Alan L.: *See—*
  Andres, Uri T.; Devernoe, Alan L.; and Walker, Michael S., 4,819,808, Cl. 209-1.000.
DeViaris, Guy, to Otis Elevator Company. Traversing elevator. 4,821,845, 4-18-89, Cl. 187-12.000.
Devic, Michel; and Angelier, Robert, to Atochem. Process for bleaching lignocellulosic matter. 4,812,206, 3-14-89, Cl. 162-19.000.
Devices for Vascular Intervention, Inc.: *See—*
  Jaraczewski, Richard; and Plaia, Mark E., 4,817,613, Cl. 128-658.000.
Devienne, Fernand M. Process for the detection of a chemical substance of knowm mass m. 4,861,987, 8-29-89, Cl. 250-282.000.
DeVilbiss Company, The: *See—*
  Foley, Raymond J., 4,844,342, Cl. 239-70.000.
  Gimple, James J., 4,798,341, Cl. 239-694.000.
  Weinstein, Richard, 4,887,768, Cl. 239-222.000.
  Wood, Mark W.; Charpie, Mark E.; and Wisniewski. Ralph A., 4,848,213, Cl. 92-172.000.
de Vilchez, Jose : *See—*
  Mergelsberg, Reinhard; de Vilchez, Jose ; Markwardt, Klaus; and Schluter, Jurgen, 4,867,999, Cl. 426-520.000.
Devillard, Jacques, to Commissariat a l'Energie Atomique. Process for attaching a porous layer to a substrate and using the process to the making of a prosthesis. 4,846,393, 7-11-89, Cl. 228-178.000.
Deville, Dominique: *See—*
  Woehrle, Maurice; Deville, Dominique; and Du Gardin, Gilles, 4,834,383, Cl. 273-73.00C.
Devilleger, Denis; and Le Gac, Jean-Yves, to Gaz de France. Isolation chamber valve. 4,848,401, 7-18-89, Cl. 137-599.000.
Devilleger, Denis: *See—*
  Le Gac, Jean-Yves; Devilleger, Denis; and Majewski, Philippe, 4,884,633, Cl. 166-75.100.
DeVillez, David W., to CalComp Inc. Humidity control for roll paper electrostatic plotters. 4,850,118, 7-25-89, Cl. 34-50.000.
Devillierre, Denis: *See—*
  Cigolotti, Jean-Pierre; Devillierre, Denis; Leblanc, Jean; and Schwartz, Reinhard, 4,829,646, Cl. 29-156.40R.
Devin, Jean; and Calzi, Philippe, to SGS-Thomson Microelectronics S.A. Integrated circuit provided with switching elements for change-over to redundancy elements in a memory. 4,860,256, 8-22-89, Cl. 365-189.030.
DeVincent, Robert J. Combat toy with telemetry controlled destruct simulation. 4,810,224, 3-7-89, Cl. 446-230.000.
Devine, John, to Tillotson Limited. Carburetors. 4,810,427, 3-7-89, Cl. 261-35.000.
Devine, John P.: *See—*
  Henley, Harold B.; Norberg, Kenneth L.; and Devine, John P., 4,852,310, Cl. 52-90.000.
Devins, John C.; Reed, Clive W.; and Rzad, Stefan J., to General Electric Company. Method for forming abrasion-resistant polycarbonate articles, and articles of manufacture produced thereby. 4,842,941, 6-27-89, Cl. 428-412.000.
Devir, Daniel D.; Dolan, Richard J.; and Bergin, John A., to GTE Products Corporation. Electric lamp with insulating base. 4,837,479, 6-6-89, Cl. 313-318.000.
Devir, Daniel D., to GTE Products Corporation. Electric lamp having conductors with means formed therein for removing contact surface material. 4,877,992, 10-31-89, Cl. 313-318.000.
Devis Ltd.: *See—*
  Khurgin, Boris, 4,885,898, Cl. 53-513.000.
De Vito, Edward F., to Torrington Company, The. Single split cage locking tab. 4,865,473, 9-12-89, Cl. 384-572.000.
Devito, Lawrence M., to Analog Devices Incorporated. High-speed voltage-to-frequency converter. 4,839,653, 6-13-89, Cl. 341-157.000.
DeVito, Ralph: *See—*
  Sanders, Charles B.; Bow, Clark; DeVito, Ralph; and Hoffman, Louis S., 4,795,059, Cl. 222-1.000.
DeVizzi, Francesco, to General Electric Company. Molded case and cover arrangement for current limiting circuit interrupters. 4,860,162, 8-22-89, Cl. 361-376.000.
Devlin, Paul V.: *See—*
  Williford, Frank B.; Luke, James M.; and Devlin, Paul V., 4,819,730, Cl. 166-355.000.
Devlin, Richard G., to E. R. Squibb & Sons, Inc. Use of zofenopril for the treatment of rheumatoid arthritis. 4,855,315, 8-8-89, Cl. 514-422.000.
Devlin, Theresa: *See—*
  Anaebonam, Aloysius; Clemente, Emmett; Devlin, Theresa; and Ringden, Diane, 4,853,416, Cl. 514-636.000.
Devlin, Thomas M. Therapeutic uses of oligomers of 15-dehydroprostaglandin B_1 and oligomers of derivatives of 15-dehydroprostaglandin B1. 4,851,432, 7-25-89, Cl. 514-573.000.
DeVoe, Alan R.: *See—*
  Ingermann, Donald E.; Caffrey, Stephen F.; DeVoe, Alan R.; Smith, Ronald L.; and Sullivan, Ronald G., 4,856,138, Cl. 15-320.000.
De Vogelaere, Marc: *See—*
  Frankel, Juergen; Mattelin, Antoon; Pecceu, Pol; Quelia, Ferdinand; Schmidt, Hans-Friedrich; Boone, Luc; Von Tomkewitsch, Sybille; and De Vogelaere, Marc, 4,853,252, Cl. 427-53.100.
DeVolpi, Alexander: *See—*
  Boyar, Robert E.; DeVolpi, Alexander; Stanford, George S.; and Rhodes, Edgar A., 4,829,191, Cl. 250-496.100.
DeVolpi, Dean: *See—*
  Cecchi, Marino; and DeVolpi, Dean, 4,864,272, Cl. 338-128.000.
Devon County Council: *See—*
  Tomlinson, Martin, 4,821,120, Cl. 358-142.000.
  Tomlinson, Martin, 4,860,317, Cl. 375-58.000.
Devon Dircet Marketing & Advertising, Inc.: *See—*
  Bennett, Stanley N.; Perry, James T.; and Greene, Ronald D., 4,852,794, Cl. 229-73.000.
Devon Industries, Inc.: *See—*
  Barron, John M.; Horan, Robert T.; Hoftman, Moshe M.; Noack, William L.; and Sandel, Dan, 4,844,252, Cl. 206-223.000.
  Sandel, Dan; and Hoftman, Mike, 4,842,138, Cl. 206-370.000.
Devon, Thomas J.; Phillips, Gerald W.; Puckette, Thomas A.; Stavinoha, Jerome L., Jr.; and Vanderbilt, Jeffrey J., to Eastman Kodak Company. Chelating ligands and catalysts and processes employing the same. 4,824,977, 4-25-89, Cl. 556-21.000.
Devon, Thomas J.; Phillips. Gerald W.; Puckette, Thomas A.; Stavinoha, Jerome L.; and Vanderbilt, Jeffrey J., to Eastman Kodak Company. Chelate ligands for low pressure hydroformylation catalyst and process employing same. 4,851,581, 7-25-89, Cl. 568-17.000.
Devon, Thomas J.: *See—*
  Puckette, Thomas A.; and Devon, Thomas J., 4,871,878, Cl. 568-454.000.
  Puckette, Thomas A.; and Devon, Thomas J., 4,873,213, Cl. 502-161.000.
  Puckette, Thomas A.; Devon, Thomas J.; Phillips, Gerald W.; and Stavinoha, Jerome L., 4,879,416, Cl. 568-13.000.
Devonald, David P.; Nelson, Anthony J.; Quan, Peter M.; and Stewart, David, to Imperial Chemical Industries PLC. Process for the extraction of metal values and novel metal extractants. 4,822,880, 4-18-89, Cl. 540-492.000.
Devorak, Dora. Puzzle apparatus. 4,884,811, 12-5-89, Cl. 273-157.00A.
Devore, Dale P.; Scherrer, Robert A.; and Scholz, Matthew T., to Minnesota Mining and Manufacturing Company. Viscoelastic collagen solution for opthalmic use and method of preparation. 4,851,513, 7-25-89, Cl. 530-356.000.
DeVore, Douglas M., to Hughes Aircraft Company. Calligraphic control for image superimposition. 4,882,577, 11-21-89, Cl. 340-739.000.
DeVore, Richard A.; and Kinney, Sam E., to Cleveland Clinic Foundation. Apparatus of controlling eustachian tube function. 4,888,017, 12-19-89, Cl. 623-10.000.
Devos, Francis; and Gouy, Pierre-Antoine, to Roquette Freres. Process for the preparation of crystalline maltitol. 4,846,139, 7-11-89, Cl. 127-40.000.
Devos, Francis; and Gouy, Pierre-Antoine, to Roquette Freres. Process for the preparation of a product with a high content of maltitol and uses of this product. 4,849,023, 7-18-89, Cl. 127-40.000.

de Vos, Jacob, to Koni B.V. Mast for a sailboard. 4,825,792, 5-2-89, Cl. 114-90.000.
de Vos, Stefaan: *See—*
  Zaby, Gottfried; Judat, Helmut; Humburger, Siegbert; de Vos, Stefaan; and Eckermann, Rolf W., 4,851,570, Cl. 560-347.000.
DeVries, Adrian J.: *See—*
  Rist, Bruno A.; and DeVries, Adrian J., 4,825,467, Cl. 380-7.000.
de Vries, Auke F.; and Stork, Willem H. J., to Shell Oil Company. Process for the preparation of light hydrocarbon distillates by hydrocracking and catalytic cracking. 4,859,309, 8-22-89, Cl. 208-61.000.
De Vries, Charles V. Caddy for metal detector. 4,797,618, 1-10-89, Cl. 324-326.000.
DeVries, Douglas F., to Bird Products Corporation. Ventilator manifold. 4,794,922, 1-3-89, Cl. 128-204.180.
deVries, Egbert, to Quad Environmental Technologies Corp. Method and means for controlling mist scrubber operation. 4,844,874, 7-4-89, Cl. 423-210.000.
de Vries, Gerrit, to Stork Pompen B.V. Pump housing, mould parts of a mould wall for a pump housing and method of manufacturing a pump housing. 4,869,643, 9-26-89, Cl. 415-200.000.
De Vries, Hugo V., to Technisch Ontwikkelingsbureau Van Elten B.V. Method of storing and afterwards collecting orders. 4,813,847, 3-21-89, Cl. 414-786.000
de Vries, Hugo V., to Elten Nederland B.V. Conveyor device. 4,830,178, 5-16-89, Cl. 198-774.000.
De Vries, Isse, to Promac B.V. Device for making potable water. 4,865,726, 9-12-89, Cl. 210-157.000.
DeVries, James H., to DLF Inc. Tourniquet tube. 4,796,626, 1-10-89, Cl. 128-334.00R.
DeVries, Jeffrey S. Flotation separator. 4,858,769, 8-22-89, Cl. 209-3.100.
De Vries, Klaas S., to Akzo N.V. Preparation of polylactic acid and copolymers of lactic acids. 4,797,468, 1-10-89, Cl. 528-354.000.
Devries, Loius; and Ryason, P. R., to Chevron Research Company. Enhancing the production of aromatics in high temperature, high space velocity catalytic conversion of lower molecular weight hydrocarbons to higher molecular weight hydrocarbons. 4,814,533, 3-21-89, Cl. 585-407.000.
Devries, Louis; and Ryason, P. R., to Chevron Research Company. Addition of hydrogen and C2 to C4 hydrocarbons to the feed gas in the catalytic conversion of methane to higher molecular weight hydrocarbons. 4,814,534, 3-21-89, Cl. 585-407.000.
Devries, Louis; and Ryason, P. R., to Chevron Research Company. Enhancing the reaction rate in high temperature, high space velocity catalytic conversion of methane to higher molecular weight hydrocarbons. 4,814,538, 3-21-89, Cl. 585-500.000.
DeVries, Marvin R.: *See—*
  Walley, David H.; and DeVries, Marvin R., 4,872,911, Cl. 106-33.000.
Devries, Paul A., to Northern Telecom Limited. Dual-tracking phase-locked loop. 4,890,305, 12-26-89, Cl. 375-120.000.
DeVries, Robert A.: *See—*
  Jackson, Herbert C., Jr.; DeVries, Robert A.; and Frick, Hughie R., 4,830,846, Cl. 423-488.000.
DeVries, Ronald A.: *See—*
  Davis, Richard E.; and DeVries, Ronald A., 4,846,804, Cl. 604-164.000.
De Vrieze, Henricus M.: *See—*
  Rijpers, Johannes C. N.; and De Vrieze, Henricus M., 4,798,994, Cl. 313-478.000.
de Vrijer, Bertus, to U.S. Philips Corporation. High-pressure discharge lamp. 4,806,816, 2-21-89, Cl. 313-331.000.
Devron-Hercules, Inc.: *See—*
  Leppanen, Seppo I.; Kumpa, V. Erik; and McDiarmid, Richard S., 4,833,941, Cl. 74-625.000.
  Smith, Douglas W. P., 4,873,407, Cl. 219-10.430.
Devtech, Inc.: *See—*
  Beck, Martin H., 4,889,752, Cl. 428-36.920.
Devtex: *See—*
  Mirabel, Pierre; and Schoumacher, Marcel, 4,878,268, Cl. 19-258.000.
Dew, Douglas K.; Hsu, Long S.; and Halpern, Steven J., to Laser Surgery Software, Inc. Laser healing method and apparatus. 4,854,320, 8-8-89, Cl. 128-397.000.
Dew, Edward G., to Conoco Inc. Method and apparatus for measuring casing wall thickness using a flux generating coil with radial sensing coils and flux leakage sensing coils. 4,843,317, 6-27-89, Cl. 324-221.000.
de Waal, Jannetje: *See—*
  Verbrugge, Pieter A.; and de Waal, Jannetje, 4,812,581, Cl. 548-953.000.
  Verbrugge, Pieter A.; de Waal, Jannetje; and Sopher, David W., 4,855,452, Cl. 548-953.000.
de Waal, Jannetje A.: *See—*
  Vinegar, Harold J.; Wellington, Scott L.; and de Waal, Jannetje A., 4,856,341, Cl. 73-798.000.
  Vinegar, Harold J.; Wellington, Scott L.; and de Waal, Jannetje A., 4,884,455, Cl. 73-798.000.
DeWachter, Gary, to Reliance Electric Company. Snap-ring with pin release seal. 4,875,786, 10-24-89, Cl. 384-482.000.
Dewaele, Michael F.: *See—*
  Cain, Don A.; and Dewaele, Michael F., 4,795,331, Cl. 425-28.100.
Dewaele, Renee. Device for dispensing and vending flexible supports. 4,821,916, 4-18-89, Cl. 221-13.000.
Dewaele, Stefan; and Gryson, Dirk, to Picanol N.V. Method for repairing a broken warp thread on weaving machines, and the rethreading mechanisms used. 4,817,675, 4-4-89, Cl. 139-35.000.
Dewaele, Stefan, to Picanol N.V. Broken warp thread locator. 4,817,678, 4-4-89, Cl. 139-353.000.
DeWald, Carolyn G., to Minnesota Mining and Manufacturing Company. Resin systems for coated products, and method. 4,871,376, 10-3-89, Cl. 51-298.000.
DeWald, Horace A.: *See—*
  Caprathe, Bradley W.; DeWald, Horace A.; Jaen, Juan C.; and Wise, Lawrence D., 4,803,203, Cl. 514-230.500.
Dewald, James R.: *See—*
  Klipa, Dennis K.; and Dewald, James R., 4,886,922, Cl. 570-193.000.
DeWald, Raymond C.; and Hong, Paul O., to Occidental Chemical Corporation. Phenothiazine composition for use in reactor scale prevention. 4,853,446, 8-1-89, Cl. 526-205.000.
De Wald, Raymond C.: *See—*
  Hong, Paul O.; and De Wald, Raymond C., 4,855,424, Cl. 544-35.000.
De Wames, Roger E.: *See—*
  Marshall, David B.; De Wames, Roger E.; Morgan, Peter E. D.; and Ratto, Joseph J., 4,879,537, Cl. 335-216.000.
Dewanckel, Bernard: *See—*
  Claudet, Gerard; Dewanckel, Bernard; Ravex, Alain; and Reale, Serge, 4,840,032, Cl. 62-6.000.
Dewanz, Douglas M.: *See—*
  Aipperspach, Anthony G.; Dewanz, Douglas M.; and Fitzgerald, Joseph M., 4,849,904, Cl. 364-489.000.
Dewar, Colin A.: *See—*
  Brody, Harry; Dewar, Colin A.; and Hayman, Nigel W., 4,822,678, Cl. 428-373.000.
Dewar, Robert; and Greer, Dale R., to Perceptron, Inc. Method and apparatus for calibrating a non-contact gauging sensor with respect to an external coordinate system. 4,841,460, 6-20-89, Cl. 364-571.020.
Dewar, Robert: *See—*
  Barlow, Neil E.; Dewar, Robert; West, James K.; and Woroniec, Richard, 4,862,598, Cl. 33-613.000.
Dewberry, Larry S.; and Schlipp, Richard H., to Waukesha Rubber Company, Inc. Quick mount resilient finger for poultry plucking apparatus or the like. 4,799,293, 1-24-89, Cl. 17-11.10R.
Dewberry, Larry S.; and Schlipp, Richard H., to Waukesha Rubber Company, Inc. Apparatus and method for mounting a resilient finger to a poultry plucking apparatus or the like. 4,873,747, 10-17-89, Cl. 17-11.10R.
de Week, Alain L.: *See—*
  Maly, Friedrich E.; de Week, Alain L.; and Henderson, David, 4,877,742, Cl. 436-65.000.
Deweerdt, Kevin R., to Sharon Manufacturing Company. Fuel pressure regulator. 4,825,835, 5-2-89, Cl. 123-463.000.
DeWeert, William R.; and Manning, Frank. Muzzleloading powder and projectile tool. 4,875,303, 10-24-89, Cl. 42-90.000.
Dewees, Thomas G.: *See—*
  Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., 4,882,917, Cl. 68-17.00A.
Dewert, Heribert: *See—*
  Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,802,573, Cl. 201-39.000.
  Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert. Heribert; and Burggraf, Peter, 4,875,406, Cl. 98-2.010.
  Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Rump, Hanns, 4,882,287, Cl. 436-149.000.
  Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,886,000, Cl. 110-345.000.
  Jorzyk, Sigurd; Scholl, Gerhard; Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,885,011, Cl. 55-242.000.
Dewey, Daniel O.: *See—*
  Akkerman, Neil H.; and Dewey, Daniel O., 4,852,648, Cl. 166-66.400.
Dewey, Richard J.; and Collier, Christopher J., to U.S. Philips Corp. Method of, and demodulator for, digitally demodulating an SSB signal. 4,803,700, 2-7-89, Cl. 375-77.000.
DewEze Corporation: *See—*
  Hostetler, Dewey L.; Lansdowne, David L.; and Hershberger, Howard O., 4,869,054, Cl. 56-6.000.
Dewhirst, Donald R., to Hughes Aircraft Co. Critical angle rotating prism Q-switch. 4,809,282, 2-28-89, Cl. 372-16.000.
Dewhirst, Donald R.: *See—*
  Bruesselbach, Hans W.; and Dewhirst, Donald R., 4,821,2[illegible], Cl. 372-3.000.
Dewhirst, Kenneth C., and Stewart, Thomas G., Jr., to Shell Oil Company. Bis-anthrols and bis-naphthols and diglycidyl ethers thereof. 4,847,011, 7-11-89, Cl. 260-351.000.
Dewhirst, Kenneth C., to Shell Oil Company. New resin materials based on amines. 4,861,810, 8-29-89, Cl. 523-445.000.
Dewhurst, David J.; Ng, Chee W.; Hughes, Murray A.; and Johnson, Donald A. H., to University of Melbourne, The. Signal processing. 4,829,574, 5-9-89, Cl. 381-41.000.
Dewhurst, John E.; and Harasin, Stephen J., to Mobay Corporation. Rim polyurethane compositions containing internal mold release agents. 4,847,307, 7-11-89, Cl. 521-110.000.

Dewhurst, John E., to Mobay Corporation. Internal mold release agent for use in reaction injection molding. 4,886,838, 12-12-89, Cl. 521-117.000.
DeWick, Carolyn C.: *See—*
DeWick, Robert S., Sr.; and DeWick, Carolyn C., 4,858,170, Cl. 364-900.000.
DeWick, Robert S., Sr.; and DeWick, Carolyn C. Shorthand notation and transcribing method. 4,858,170, 8-15-89, Cl. 364-900.000.
De Wild, Willem R.: *See—*
Van Dijk, Cornelis D.; Brandsma, Johannes; and De Wild, Willem R., 4,818,210, Cl. 425-411.000.
de Wilde, Etienne F.; and Broens, Hubertus W., to KNP Papier B.V. Process for purifying waste water. 4,849,108, 7-18-89, Cl. 210-603.000.
DeWilde, Johannes: *See—*
Sauerwald, Wilhelm A.; DeWilde, Johannes; Van Eerdewijk, Karel J. E.; Beenker, Franciscus P. M.; and Segers, Marinus T. M., 4,879,717, Cl. 371-22.300.
Dewill, John M., to Fiberglas Canada Inc. Fluid flow control valve. 4,867,232, 9-19-89, Cl. 165-96.000.
DeWinter, Dirk M.: *See—*
Wrasidlo, Wolfgang J.; Hofmann, Frieder K.; and DeWinter, Dirk M., 4,853,128, Cl. 210-636.000.
DeWit, Johannes, to Nestec S.A. Process for preparing agglomerates of potato granules. 4,797,292, 1-10-89, Cl. 426-285.000.
De Wit, Johannes A.: *See—*
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de Wit, Michiel: *See—*
Hester, Richard K.; and de Wit, Michiel, 4,803,462, Cl. 341-172.000.
De With, Gijsbertus; and Van Dijk, Hendricus J. A., to U.S. Philips Corporation. Discharge lamp having a yttrium aluminum garnet discharge envelope. 4,841,195, 6-20-89, Cl. 313-636.000.
De With, Peter H. M.: *See—*
Borgers, Stephanus M. C.; De Bruijne, Roeland P.; and De With, Peter H. M., 4,849,812, Cl. 358-133.000.
DeWitt, David P.: *See—*
Tanaka, Fumio; and DeWitt, David P., 4,881,823, Cl. 374-126.000.
DeWitt, Elmer J.: *See—*
Li, George S.; Hottois, J. Peter; Wu, Muyen M.; and DeWitt, Elmer J., 4,826,922, Cl. 525-227.000.
DeWitt, John W.: *See—*
Fox, Charles; DeWitt, John W.; and Rothenberger, John D., Jr., 4,879,116, Cl. 424-682.000.
De Witt, Paolo: *See—*
Cavazza, Claudio; De Witt, Paolo; and Tinti, Maria O., 4,859,698, Cl. 514-445.000.
DeWitt, Robert R.: *See—*
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Dewitte, Elisabeth: *See—*
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Manoury, Philippe; Binet, Jean; and Dewitte, Elisabeth, 4,853,387, Cl. 514-272.000.
Dewitte, Philippe: *See—*
Canaud, Michel; and Dewitte, Philippe, 4,822,649, Cl. 428-34.000.
Canaud, Michel; and Dewitte, Philippe, 4,875,833, Cl. 417-259.000.
Dewitz, Thomas S., to Shell Oil Company. Downflow fluidized catalytic cracking system. 4,797,262, 1-10-89, Cl. 422-142.000.
Dewitz, Thomas S., to Shell Oil Company. Process for cleaning and splitting particle-containing fluid with an adjustable cyclone separator. 4,810,264, 3-7-89, Cl. 48-210.000.
Dewitz, Thomas S., to Shell Oil Company. Removal of particulates from synthesis gas. 4,853,003, 8-1-89, Cl. 55-20.000.
Dewitz, Thomas S.; Turner, Louis H., III; Ploeg, Johannes E. G.; Van Kessel, Matheus M.; Scott, Andrew M.; and Everts, Rudi, to Shell Oil Company. Method and apparatus for separating fine particulates from a mixture of fine particulates and gas. 4,865,627, 9-12-89, Cl. 55-20.000.
DeWitz, Thomas S., to Shell Oil Company. Stripping and depressurization of solids and gas mixture. 4,877,419, 10-31-89, Cl. 48-197.00R.
DeWitz, Thomas S.: *See—*
Mifflin, Thomas R.; and DeWitz, Thomas S., 4,838,898, Cl. 48-210.000.
Salter, James A.; DeWitz, Thomas S.; Scott, Andrew M.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,830,545, Cl. 406-12.000.
Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,834,588, Cl. 406-85.000.
Salter, James A.; Schmidt, Thomas R.; DeWitz, Thomas S.; Arbore, Charles M.; Duysings, Frederik M. H. J.; Van Der Meer, Johannes W.; Brown, David; and Venselaar, Henricus C. J., 4,838,738, Cl. 406-14.000.
Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,844,663, Cl. 406-19.000.
De Woskin, Richard E.: *See—*
Sehgal, Lakshman R.; De Woskin, Richard E.; Moss, Gerald S.; Gould, Steven A.; Rosen, Arthur L.; and Sehgal, Hansa, 4,826,811, Cl. 514-6.000.
Dews, Thomas K.: *See—*
Atkinson, William G.; and Dews, Thomas K., 4,867,373, Cl. 229-117.160.
Dexheimer, Edward M., to BASF Corporation. Thermally stable polyoxyalkylene heat transfer fluids. 4,830,263, 5-16-89, Cl. 228-180.100.
Dexheimer, Edward M.: *See—*
Gagnon, Steven D.; and Dexheimer, Edward M., 4,866,143, Cl. 525-409.000.
Dexta Corporation: *See—*
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Rusin, Mark M., 4,887,866, Cl. 297-421.000.
Dexter Corporation, The: *See—*
Darrow, David S., 4,868,069, Cl. 428-610.000.
Erickson, David J., II; Naylor, Michael G.; and Knobloch, Robert R., 4,842,530, Cl. 439-98.000.
Procter, Philip J., 4,826,896, Cl. 523-443.000.
Dexter, Fred F., Jr. Friction-propelled mass transit system. 4,828,099, 5-9-89, Cl. 198-324.000.
Dexter Lock Company: *See—*
Marotto, Robert A., 4,804,216, Cl. 292-337.000.
Dexton, Inc.: *See—*
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Dextraze, Pierre, to Bristol-Myers Company. Carbapenems with quaternized heterothioalkylthio substitution at position 2. 4,880,922, 11-14-89, Cl. 540-350.000.
Dey, Arabinda N.: *See—*
Whitney, Thomas A.; Bowden, William L.; and Dey, Arabinda N., 4,833,050, Cl. 429-194.000.
Dey, Subrata; and Menyhert, William R., to Security Tag Systems, Inc. Secure paper product. 4,835,028, 5-30-89, Cl. 428-67.000.
Dey, Subrata, to Security Tag Systems, Inc. Deactivatable fequency-dividing-transponder tag. 4,882,569, 11-21-89, Cl. 340-572.000.
Deya, Eiki; Yanahira, Shuichi; Abiko, Kenkichi; and Kikuchi, Eiichi, to Snow Brand Milk Products Co., Ltd. Galacto-oligosaccharide containing feed. 4,873,229, 10-10-89, Cl. 514-54.000.
Deyle, William J., Jr.; and Wysocky, John M., to Xerox Corporation. Particle anti-bridging apparatus. 4,811,867, 3-14-89, Cl. 222-231.000.
Deymie, Beruard: *See—*
Haas, Jean-Luc; Deymie, Beruard; Millet, Pierre; and Billon, Michel, 4,844,912, Cl. 426-46.000.
Deyo, Paul R.: *See—*
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de Yong, John L., to Commonwealth Scientific and Industrial Research Organization. Psychrometer. 4,872,340, 10-10-89, Cl. 73-338.000.
DeYoung, Thomas W.; and McCormick, John A., to Dataproducts Corporation. Ink jet head with low compliance manifold/reservoir configuration. 4,809,024, 2-28-89, Cl. 346-140.00R.
DeYoung, Thomas W., to Dataproducts Corporation. Phase change ink jet apparatus. 4,873,539, 10-10-89, Cl. 346-140.00R.
Deyrup, Edward J., to Du Pont de Nemours, E. I., and Company. Food tray. 4,873,137, 10-10-89, Cl. 428-216.000.
Deysson, Jean-Yves; Karian, Jacques; Malgrat, Philippe; and Blondeau, Michel, to Bertin & Cie. Method and device for the dispersion of ultra-fine powders. 4,859,121, 8-22-89, Cl. 406-114.000.
DeYulio, Joseph: *See—*
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DeZeeuw, John R.: *See—*
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Deziel, Edward W.; Rueb, John T.; Sorlien, Mark D.; Dahlstrom, Jack A.; and Erismann, David W., to Minnesota Mining and Manufacturing Company. Brush and its manufacturing method. 4,821,359, 4-18-89, Cl. 15-159.00R.
Deziel, Robert; and Endo, Masaki, to Bristol-Myers Company. Stereoselective synthesis of 1-β-alkyl carbapenem antibiotic intermediates. 4,841,043, 6-20-89, Cl. 540-200.000.
Dezonno, Anthony J., to Rockwell International Corporation. Power supply output protection circuitry with signaling. 4,847,720, 7-11-89, Cl. 361-18.000.
De Zylva, Walter H., to Ford New Holland, Inc. Twine tail collector system for agricultural balers. 4,805,391, 2-21-89, Cl. 56-343.000.
DFB Sales, Inc.: *See—*
Fein, Harvey C., 4,817,699, Cl. 160-327.000.
Fein, Harvey C., 4,825,931, Cl. 160-327.000.
DFM Corporation: *See—*
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Dhar, Manmohan, to Mechanical Technology Incorporated. Control scheme for power modulation of a free piston Stirling engine. 4,873,826, 10-17-89, Cl. 60-641.140.
Dhar, Rajkumar; Venugopalan, Bindumadhavan; Chatterjee, Dipak K.; Rupp, Richard H.; and de Souza, Noel J., to Hoechst Aktiengesellschaft. 1-substituted 3-aryl-7-chloro-3,4-dihydro(2H)-acridone N-oxides, a process for their preparation, and their use as medicaments and feedstuff additives. 4,803,204, 2-7-89, Cl. 514-232.800.
D'Hauteville, Helene: *See—*
Sansonetti, Philippe; Boileau, Catherine; and D'Hauteville, Helene, 4,816,389, Cl. 435-6.000.
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Mussig, Bernhard; Meyer, Rolf-Volker; Brassat, Bert; and Dhein, Rolf, 4,820,771, Cl. 525-183.000.

Pelartik, Harald; Dhein, Rolf; Meyer, Rolf-Volker; Traenckner, Hans-Joachim; and Ostlinning, Edgar, 4,886,869, Cl. 528-196.000.
Schultz, Klaus-Dieter; Meyer, Rolf-Volker; Fahnler, Friedrich; Dhein, Rolf; and Michael, Dietrich, 4,861,815, Cl. 524-114.000.
Dhillon, Major S., to Hoechst Celanese Corporation. Developer compositions for heavy-duty lithographic printing plates. 4,822,723, 4-18-89, Cl. 430-331.000.
Dhillon, Major S.; Hsieh, Shane; and Seeley, Douglas A., to Hoechst Celanese Corporation. Method of using developer-finisher compositions for lithographic plates. 4,873,174, 10-10-89, Cl. 430-309.000.
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Walls, John E.; and Dhillon, Major S., 4,880,555, Cl. 252-143.000.
Dholakia, Anil R.; and Trager, Louis, to General Electric Company. Semiconductor device assembly and method of making same. 4,797,728, 1-10-89, Cl. 357-81.000.
Dholakia, Anil R.; and Trager, Louis, to General Electric Company. Method of making a semiconductor device assembly. 4,820,659, 4-11-89, Cl. 437-209.000.
Dholoo, Jimmy F., to Lucas Weinschel, Inc. Self-aligning blind mate connector. 4,815,986, 3-28-89, Cl. 439-248.000.
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Borgers, Leo; and Dhondt, Paul J., 4,795,456, Cl. 604-390.000.
Dhong, Sang H.; and Lu, Nicky C. C., to International Business Machines Corporation. Sense amplifier with improved bitline precharging for dynamic random access memory. 4,816,706, 3-28-89, Cl. 307-530.000.
D'Hoogue, Marcel; [illegible], Claude; and Geffinet, Pierre, to Union Generale de Savonnerie. Device for dosing and dispensing a fluid product to be deposited freely in the mobile enclosure of a machine. 4,875,600, 10-24-89, Cl. 222-52.000.
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Dhyanchand, John J.; Shekhawat, Sampat S.; and Nguyen, Vietson M., to Sundstrand Corp. DC to AC inverter with neutral having a resonant circuit. 4,862,342, 8-29-89, Cl. 363-40.000.
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Shekhawat, Sampat S.; Shah, Mahesh J.; Vaidya, Jayant G.; and Dhyamchand, John J., 4,847,745, Cl. 363-132.000.
Shekhawat, Sampat S.; Dhyanchand, John J.; and Horowy, John, 4,885,486, Cl. 307-570.000.
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Dishner, Bryan W.; Maddali, Vijay K.; and Dhyanchand, P. John, 4,841,202, Cl. 318-14.000.
Di Giorgio Corporation: *See—*
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Diaconu, Sever; and Diaconu, Alen. Optoelectronic lawn tennis linesman system. 4,866,414, 9-12-89, Cl. 340-323.00R.
Diafoil Company, Limited: *See—*
Fukuda, Yujiro; Utsumi, Shigeo; Tomitaka, Kichinojyo; and Takisawa, Toshifumi, 4,865,898, Cl. 428-141.000.
Ohno, Ken; Yoshimoto, Mitsuo; and Ozaki, Yoshihide, 4,806,422, Cl. 428-336.000.
Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,871,784, Cl. 521-138.000.
Sakamoto, Seiji; and Yasumura, Kiyoshi, 4,840,830, Cl. 428-141.000.
Sakamoto, Seiji, 4,886,715, Cl. 428-328.000.
Takeda, Naohiro; Osani, Yuzo; Kita, Masahiro; and Okajima, Nariaki, 4,795,672, Cl. 428-216.000.
Utsumi, Shigeo, 4,799,772, Cl. 350-339.00R.
Utsumi, Shigeo, 4,804,736, Cl. 528-176.000.
Utsumi, Shigeo, 4,812,360, Cl. 428-337.000.
Utsumi, Shigeo, 4,818,220, Cl. 428-220.000.
Utsumi, Shigeo; and Fukuda, Yujiro, 4,814,426, Cl. 528-272.000.
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Diagnostic Services, Inc.: *See—*
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Dial Corporation, The: *See—*
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Dial, Darrell D.; and Geesbreght, John M., to CareSystems, Inc. Medical cap with face shield. 4,805,639, 2-21-89, Cl. 128-857.000.
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Diamalt Aktiengesellschaft: *See—*
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Bayerlein, Friedrich; Keramaris, Nikolaos; Kottmair, Nikolaus; Kuhn, Manfred; and Maton, Michel M., 4,840,811, Cl. 426-430.000.
Belohlawek, Lothar, 4,798,736, Cl. 426-656.000.
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Diamand, Felix, to Thomson-CSF. Transferred electron device with periodic ballistic regions. 4,879,581, 11-7-89, Cl. 357-3.000.
Diamandis, Manolis. Automatic golf ball tee assembly. 4,815,744, 3-28-89, Cl. 273-201.000.
Diamandis, Peter H.: *See—*
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Diamant Applications: *See—*
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Magnien, Emile G.; and Plantureux, Alain M., 4,866,823, Cl. 29-10.000.
Diamant Boart: *See—*
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Diamant Boart Craelius Ltd.: *See—*
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Diamant Boart Societe Anonyme: *See—*
Halloz, Charles P., 4,887,676, Cl. 175-250.000.
Halloz, Charles Pierre, 4,832,138, Cl. 175-247.000.
Diamant Boart-Stratabit (USA) Inc.: *See—*
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Matson, Lawrence W.; Southland, Stephen G.; and Jackson, Roy T., 4,794,995, Cl. 175-393.000.
Southland, Stephen G., 4,852,671, Cl. 175-325.000.
Diamantini, Giuseppe: *See—*
Fedeli, Gianfranco; Diamantini, Giuseppe; Djaczenko, Wiktor; and Strunillo, Maria, 4,871,769, Cl. 514-550.000.
Diamantis, Panayiotis. Two piece removable-curtain grommet. 4,843,[illegible], 7-4-89, Cl. 16-2.000.
Diamantoglou, Michael; Josefiak, Christoph; and Magerlein, Helmut, to Akzo NV. Water-swellable composition, synthesis and use thereof. 4,795,762, 1-3-89, Cl. 521-84.100.
Diamantstein, Menachem; Gran, Paul; Berinzon, Marian; Eckstien, Zvi; Gal, Uri; and Greenberg, Julie, to Motorola, Inc. Optical coupling arrangements including emitter and detector placed inside of a hollow closed end reflective waveguide. 4,826,274, 5-2-89, Cl. 350-96.160.
DiAmico, John L. Apparatus to lock storm doors and avoid draft. 4,838,589, 6-13-89, Cl. 292-258.000.
Diamond Arch Systems Canada Inc.: *See—*
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Diamond Devices, Inc.: *See—*
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Diamond, Gary. Variable polyhedral framework. 4,864,796, 9-12-89, Cl. 52-646.000.
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Marquis, Joseph; and Lichtman, Philip, 4,845,646, Cl. 364-560.000.
Diamond, Harvey E. Earthquake relief valve. 4,821,759, 4-18-89, Cl. 137-45.000.
Diamond, Howard. Multiparameter analytical electrode structure and method of measurement. 4,798,655, 1-17-89, Cl. 204-1.00T.
Diamond, Michael K. Bracket placing instrument. 4,850,864, 7-25-89, Cl. 433-3.000.
Diamond, Paul J. Ironing accessory. 4,857,706, 8-15-89, Cl. 219-373.000.
Diamond Products, Inc.: *See—*
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Diamond Scientific Company: *See—*
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Payne, John B.; and Jones, Davis R., 4,863,455, Cl. 604-194.000.
Diamond Sensor Systems: *See—*
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Diamond Shamrock Chemicals Company: *See—*
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Diamond, Steven E.: *See—*
Vary, Calvin P. H.; and Diamond, Steven E., 4,851,331, Cl. 435-6.000.
Diana, Guy D., to Sterling Drug Inc. Di-heterocyclic compounds and their use as antiviral agents. 4,843,087, 6-27-89, Cl. 514-374.000.
Diana, Guy D.; and Carabateas, Philip M., to Sterling Drug Inc. Heterocyclic substituted-phenoxyalkylisoxazoles as antiviral useful agents. 4,857,539, 8-15-89, Cl. 514-378.000.
Diana, Guy D.; and Carabateas, Philip M., to Sterling Drug Inc. Dihydro-oxazolyl substituted-phenyl-aliphatic lower alkyl and their use as antiviral agents. 4,861,791, 8-29-89, Cl. 514-374.000.

Diana, William D.: *See—*

Cohen, Abraham D.; Diana, William D.; and Baiel, James J., 4,876,403, Cl. 568-913.000.

Dianda, Aldo, to Piaggio & C. S.p.A. Belt transmission unit for self-propelled vehicles, provided with engine start-up device. 4,813,921, 3-21-89, Cl. 474-8.000.

Diankui, Liu; Benyuan, He; and Yongqiang, Cui, to Institut of Engineering Thermophysics of Chinese Academy of Sciences. Oil submersible pump. 4,865,519, 9-12-89, Cl. 415-210.100.

Diantek AB: *See—*

Lindmark, Curt, 4,866,42[illegible], Cl. 340-556.000.

Diaphon Development AB: *See—*

Rising, Rolf C., 4,827,574, Cl. 381-60.000.

Diard, Jean-Luc; and Pascal, Roger, to Salomon S.A. Ski with dissymmetrical lateral surfaces. 4,795,[illegible]84, 1-3-89, Cl. 280-609.000.

Diard, Jean-Luc; and Pascal, Roger, to Salomon S.A. Ski with inclined lateral surfaces. 4,838,572, 6-13-89, Cl. 280-609.000.

Diard, Jean-Luc; and Pascal, Roger, to Salomon S.A. Ski with dissymmetrical lateral surfaces. 4,858,944, 8-22-89, Cl. 280-609.000.

Diard, Jean-Luc; and Pascal, Roger, to Salomon S.A. Ski with variable dissymmetrical lateral surfaces. 4,869,523, 9-26-89, Cl. 280-609.000.

Dias, Carlos T.: *See—*

Borges, Marcus V. P.; Aragan, Marcelo V.; and Dias, Carlos T., 4,839,919, Cl. 379-96.000.

Dias, Daniel M.; and Kumar, Manoj, to International Business Machines Corporation. Switching method for multistage interconnection networks with hot spot traffic. 4,862,454, 8-29-89, Cl. 370-94.000.

Dias, Donald R., to Dallas Semiconductor Corporation. Random number generator using sampled output of variable frequency oscillator. 4,810,975, 3-7-89, Cl. 331-78.000.

Dias, Donald R., to Dallas Semiconductor Corporation. Gated shift register. 4,850,000, 7-18-89, Cl. 377-54.000.

Dias, Donald R., to Dallas Semiconductor Corporation. Integrated circuit random number generator using sampled output of variable frequency oscillator. 4,855,690, 8-8-89, Cl. 331-78.000.

Dias, Donald R., to Dallas Semiconductor Corporation. Temperature-stabilized oscillator. 4,868,525, 9-19-89, Cl. 331-112.000.

Dias, Donald R.: *See—*

Lee, Robert D.; and Dias, Donald R., 4,870,401, Cl. 340-825.310.

Dias, Kenneth J.: *See—*

Swiech, Matthew J.; Munyon, Gary D.; and Dias, Kenneth J., 4,840,120, Cl. 101-228.000.

Diasonics Inc.: *See—*

Anderton, Richard L., 4,797,907, Cl. 378-101.000.

Diatak, Inc.: *See—*

Suszynski, Edward D., 4,863,281, Cl. 374-158.000.

Diatec Polymers: *See—*

Sortwell, Edwin T.; and Mikkelsen, Alan R., 4,845,192, Cl. 528-499.000.

Sortwell, Edwin T.; Slovinsky, Manuel; and Mikkelsen, Alan R., 4,874,588, Cl. 422-269.000.

Diatron Corporation: *See—*

Dandliker, Walter B.; Barr, Howard S.; Katzenstein, Henry S.; and Watson, Keith R., 4,877,965, Cl. 250-458.100.

Diaz, Antonio G., to Sociedad Anomina De Racionalcion Y Mecanizacion (SADRYM). Pitting piercer for fruit pitting machines. 4,882,986, 11-28-89, Cl. 99-494.000.

Diaz, Bonifacio, to Zenith Electronics Corporation. Bias source for a switchmode converter. 4,837,670, 6-6-89, Cl. 363-21.000.

Diaz, Bonifacio, to Zenith Electronics Corporation. High voltage DC to AC converter. 4,872,100, 10-3-89, Cl. 363-41.000.

Diaz, Carlos M.: *See—*

Bell, James A. E.; Eerkes, Thijs; Diaz, Carlos M.; and Mankins, William L., 4,836,979, Cl. 419-23.000.

Marcuson, Samuel W.; Diaz, Carlos M.; Bell, James A. E.; Davies, Haydn; and Stratton-Crawley, Richard, 4,830,667, Cl. 75-76.000.

Victorovich, Grigori S.; Diaz, Carlos M.; O'Neill, Charles E.; Bell, James A. E.; and Timberg, Lloyd M., 4,802,916, Cl. 75-24.000.

Victorovich, Grigori S.; Diaz, Carlos M.; and O'Neill, Charles E., 4,802,917, Cl. 75-26.000.

Diaz-De-Guerenu-Aguirrebeitia, Pablo. Apparatus for stripping electrical wires and the like. 4,799,406, 1-24-89, Cl. 81-9.400.

Diaz, Felix V.; and Stanley, Jack H., to DSC Communications Corporation. Distributed switching system. 4,858,232, 8-15-89, Cl. 370-86.000.

Diaz, Francis: *See—*

Vieux, Gerard; Rougeot, Henri; and Diaz, Francis, 4,862,006, Cl. 250-483.100.

Diaz, Henri, to British Petroleum Company p.l.c., The. Production of aromatic hydrocarbons. 4,855,522, 8-8-89, Cl. 585-407.000.

Diaz, Henry E. Refrigeration/evaporative cooler unit. 4,805,849, 2-14-89, Cl. 62-311.000.

Diaz-Infante, Javier: *See—*

Ventura, Leon P.; and Diaz-Infante, Javier, 4,884,388, Cl. 53-537.000.

Diaz, Joseph; Demarne, Henri; Roncucci, Romeo; and Schmelck, Paul-Henry, to Sanofi. Synthesis of hGRF (Somatocrinin) in liquid phase and intermediate peptides. 4,797,469, 1-10-89, Cl. 530-324.000.

Diaz, Juan A., to Reebok International Ltd. Shoe with energy control system. 4,815,221, 3-28-89, Cl. 36-27.000.

Diaz, Juan A., to Reebok International Ltd. Outsole construction for athletic shoe. 4,833,795, 5-30-89, Cl. 36-29.000.

Diaz-Kotti, Michelle, to Asten Group, Inc. Non-woven wet press felt for papermaking machines. 4,830,915, 5-16-89, Cl. 428-110.000.

Diaz-Kotti, Michelle A., to Asten Group, Inc. Superimposed wet press felt. 4,798,760, 1-17-89, Cl. 428-234.000.

Diaz, Leopoldo J.; McKenna, Daniel B.; and Pett, Todd A., to Ball Corporation. Notch antenna with microstrip feed. 4,853,704, 8-1-8 Cl. 343-767.000.

Diaz, Luis A.: *See—*

Yon, Steven A.; and Diaz, Luis A., 4,841,160, Cl. 307-66.000.

Diaz, Manuel, to Recycled Energy, Inc. Electro-dewatering method and apparatus. 4,861,496, 8-29-89, Cl. 210-748.000.

Diaz, Nils J.: *See—*

Anghaie, Samim; and Diaz, Nils J., 4,870,669, Cl. 378-87.000.

Diaz-Ramos, Nydia, to Commonwealth of Puerto Rico. Blood sampler with retractable needle. 4,850,374, 7-25-89, Cl. 128-763.000.

Diaz, Raul; H.; and Davis, Mark W., to Pacesetter Infusion, Ltd. Omentum diffusion catheter. 4,826,480, 5-2-89, Cl. 604-49.000.

Diaz-Silveira, Jorge. Barrier assembly for a parking space. 4,879,55 11-7-89, Cl. 340-932.200.

Diaz, Wilfredo S. Body-supported hoop game and device. 4,871,17 10-3-89, Cl. 273-411.000.

Diaz, Zaida; and Miller, James H., to Shell Oil Company. Process for reducing corrosive impurities in sulfolane used for extracting aromatic hydrocarbons. 4,820,849, 4-11-89, Cl. 549-87.000.

Diaz, Zaida: *See—*

Blytas, George C.; and Diaz, Zaida, 4,810,340, Cl. 204-182.400.

Olson, Donald C.; Miller, John J., deceased; Miller, Wayne R., executor; Blytas, George C.; and Diaz, Zaida, 4,871,520, Cl. 423-221.000.

Diaz-Zorita, Fernando: *See—*

Alcantara, Bernardo P.; Diaz-Zorita, Fernando; and Ibarra, Rodrigo C., 4,835,872, Cl. 33-18.100.

Romero Lledo, Antonio; Diaz-Zorita, Fernando; and [illegible], 4,878,577, Cl. 198-803.900.

Diazzi, Claudio: *See—*

Salina, Alberto; Rossi, Domenico; and Diazzi, Claudio, 4,816,70 Cl. 307-475.000.

DiBartolo, Ernest A., to Sun Hydraulics Corp. Pressure control valve. 4,834,135, 5-30-89, Cl. 137-514.500.

Dibble, Eric P.: *See—*

Cuomo, Jerome J.; Dibble, Eric P.; and Levine, Solomon L. 4,849,079, Cl. 204-192.170.

Dibble, Gary L.; Reynolds, James H.; and Stene, Susan L., to Sigmaform Corporation. Backshell assembly and method. 4,804,33 2-14-89, Cl. 439-583.000.

Dibble, Richard L.: *See—*

Potepan, Agnes; and Dibble, Richard L., 4,859,526, C 428-283.000.

Dibble, Timothy E.: *See—*

Bell, Stewart M.; and Dibble, Timothy E., 4,864,968, C 119-147.100.

Di Bella, Antonio, to ChetJack Limited. Method of validating data entered on a ticket and the like. 4,830,405, 5-16-89, Cl. 283-70.000.

Di Bernardo, Pietro, to Interdibipack S.p.A. Machine for cutting sheet material by means of a dinking die. 4,860,622, 8-29-89, Cl. 83-285.000.

Di Bernardo, Pietro, to Interdibipack S.p.A. Apparatus for packaging an article by means of heat-shrinkable film. 4,879,863, 11-14-89, Cl. 53-557.000.

Dibianca, Frank A., to University of North Carolina. High performance front window for a kinestatic charge detector. 4,795,909, 1-3-89, Cl. 250-385.100.

DiBianca, Frank A., to University of North Carolina at Chapel Hill. Beam equalization method and apparatus for a kinestatic charge detector. 4,831,260, 5-16-89, Cl. 250-354.100.

DiBianca, Frank A., to University of North Carolina at Chapel Hill. Continuous-resistance field shaping element for a kinestatic charge detector. 4,841,152, 6-20-89, Cl. 250-374.000.

DiBianca, Frank A., to University of North Carolina. Mixed media for kinestatic charge detectors. 4,879,469, 11-7-89, Cl. 250-374.000.

DiBiase, Stephen A.; and Pialet, Joseph W., to Lubrizol Corporation, The. Sulfur-containing lubricant and functional fluid compositions. 4,800,031, 1-24-89, Cl. 252-47.500.

Di Biase, Stephen A.: *See—*

Munson, Jeffrey F.; Rizvi, Syed Q. A.; and Di Biase, Stephen A. 4,804,489, Cl. 252-32.70E.

DiBiasi, Daniel J.; and Herrington, Fox J., to Mobil Oil Corporation. Variable-width draw tape for thermoplastic bags. 4,842,420, 6-27-8 Cl. 383-6.000.

DiBiasi, Daniel J.: *See—*

Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; [illegible] Edward W., Jr.; and McIntyre, David E., [illegible] C 383-75.000.

Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; [illegible] Edward W., Jr.; and McIntyre, David E., [illegible] C 383-75.000.

Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; [illegible] Edward W., Jr.; and McIntyre, David E., [illegible] C 383-75.000.

Di Bitonto, Daryl: *See—*

Levy, Gideon; and Di Bitonto, Daryl, 4,847,463, Cl. 219-69.12

Di Bona, Maurizio: *See—*

Cetronio, Antonio; Moretti, Sergio; and Di Bona, Maurizio 4,818,724, Cl. 437-203.000.

DiCarlo, Frank. Pipe handling apparatus. 4,836,595, 6-6-89, C 294-15.000.

Di Cesare, Paul C.: *See—*

Blake, Joseph W.; and Di Cesare, Paul C., 4,805,876, Cl. 254-28.000.

DiChiara, Joseph G.; Brown, Harry W.; and Valentine, Joseph M., to Bull HN Information Systems Inc. Apparatus and method for preventing computer access by unauthorized personnel. 4,858,117, 8-15-89, Cl. 364-200.000.

DiChiara, Joseph G.: *See—*

Webster, Raymond J., Jr.; and DiChiara, Joseph G., 4,885,679, Cl. 364-200.000.

Dichiara, Peter M., to Digital Equipment Corporation. Cycle counter for timeout microdiagnostics. 4,890,285, 12-26-89, Cl. 371-16.200.

Dichtel, Ronald J. Carpet mat retainer clip. 4,860,402, 8-29-89, Cl. 16-4.000.

Dichtelmuller, Herbert: *See—*

Rudnick, Dieter; Kothe, Norbert; Dichtelmuller, Herbert; Piechaczek, Detlef; Stephan, Wolfgang; and Schleussner, Hans, 4,877,866, Cl. 530-397.000.

Dichter, Hans-Joachim. Apparatus for shaping the neck of glass bottles produced from glass tubes. 4,830,654, 5-16-89, Cl. 65-280.000.

Dichter, Hans-Joachim. Holding chuck for glass-working machines. 4,832,726, 5-23-89, Cl. [illegible]5-272.000.

Dichtjar, Gerhard: *See—*

Prelle, Martin; [illegible] Heinrich; Jenczin, Ulrich; Laucht, Jurgen; Hellmann, Siegfried; Dichtjar, Gerhard; Dorn, Wolfgang; and Maier, Georg, 4,816,193, Cl. 264-0.500.

Dick, Burkhard, to U.S. Philips Corporation. Amplifier circuit with bipolar transistors. 4,845,440, 7-4-89, Cl. 330-302.000.

Dick, Chris C.; Schwartz, Barry; McMunn, Bert D.; and Zeh, Peter H., to FMC Corporation. Fast-dissolving, non-caking, food grade sodium tripolyphosphate. 4,857,287, 8-15-89, Cl. 423-315.000.

Dick, Clarence R.: *See—*

McCullough, Francis P., Jr.; Dick, Clarence R.; and Brewster, Steven L., 4,868,038, Cl. 428-222.000.

Dick, Colleen R., to Wang Laboratories, Inc. Apparatus for making and editing dictionary entries in a text to speech conversion system. 4,831,654, 5-16-89, Cl. 381-51.000.

Dick, David S., to Jenike & Johanson, Inc. Screw seal. 4,881,862, 11-21-89, Cl. 414-218.000.

Dick, G. John: *See—*

Strayer, Donald M.; and Dick, G. John, 4,814,728, Cl. 331-94.100.

Dick, George W.; and Manchon, Denis D., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Gas plasma display. 4,833,463, 5-23-89, Cl. 340-775.000.

Dick, Harold S.: *See—*

Barkalow, Raymond W.; Dick, Harold S.; and Guthrie, Roger T., 4,879,970, Cl. 118-719.000.

Dick, Joseph G.: *See—*

Ziomek, Joseph F.; Dick, Joseph G.; and Goetz, George W., 4,842,300, Cl. 280-732.000.

Dick, Richard; Moulin, Guy; and Galzy, Pierre, to Institut National de Recherche Chimique Appliquee. Process for adjusting the alcohol content of wines or alcoholic beverages and installation for its implementation. 4,806,366, 2-21-89, Cl. 426-15.000.

Dick, Roderick A. Tubular loudspeaker system. 4,819,761, 4-11-89, Cl. 181-145.000.

Dick, Wesley M.; and Reuter, David C., to Dana Corporation. Vehicle torque transfer case for a four wheel drive system. 4,860,612, 8-29-89, Cl. 74-665.00H.

Dick, William R.: *See—*

Easter, David A.; Hackman, Donald J.; Dick, William R.; and Reidy, John J., 4,869,136, Cl. 81-55.000.

Dickakian, Ghazi B., to Exxon Chemical Patents Inc. Method for characterizing the coking tendencies of baseoils and additive-treated oils. 4,849,361, 7-18-89, Cl. 436-2.000.

Dickakian, Ghazi B., to Exxon Chemical Patents, Inc. Blending of hydrocarbon liquids. 4,853,337, 8-1-89, Cl. 436-55.000.

Dickakian, Ghazi B., to Exxon Chemical Patents Inc. Pretreatment for reducing oxidative reactivity of baseoils. 4,883,581, 11-28-89, Cl. 208-48.00R.

Dickau, Ewald F.: *See—*

Brault, John P.; and Dickau, Ewald F., 4,858,789, Cl. 222-309.000.

Dicke, Clarence C.; and Dicke, Grant D. Deflectable mounting for upright mast. 4,863,132, 9-5-89, Cl. 248-576.000.

Dicke, Grant D.; and Williams, Jeffery A. Deflectable mounting. 4,865,288, 9-12-89, Cl. 248-576.000.

Dicke, Grant D.; and Williams, Jeffrey A. Deflectable mounting for upright mast. 4,886,232, 12-12-89, Cl. 248-576.000.

Dicke, Grant D.: *See—*

Dicke, Clarence C.; and Dicke, Grant D., 4,863,132, Cl. 248-576.000.

Dicke, Hans-Rudolf: *See—*

Eckhardt, Volker; Dicke, Hans-Rudolf; and Freitag, Dieter, 4,797,467, Cl. 528-202.000.

Eckhardt, Volker; Dicke, Hans-Rudolf; Bottenbruch, Ludwig; Freitag, Dieter; and Biskup, Ulrich, 4,801,677, Cl. 528-176.000.

Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; and Freitag, Dieter, 4,806,619, Cl. 528-128.000.

Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; Bottenbruch, Ludwig; Kleiner, Frank; and Blank, Heinz-Ulrich, 4,835,243, Cl. 528-176.000.

Kricheldorf, Hans-Rytger; Pakull, Ralf; Eckhardt, Volker; and Dicke, Hans-Rudolf, 4,861,857, Cl. 528-170.000.

Dickel, Fritz: *See—*

Herzfeld, Ronald; Wydra, Karl; Grebe, Herbert; Dickel, Fritz; Dickel, Ronald; and Dickel, Norbert, 4,863,302, Cl. 401-289.000.

Dickel, Norbert: *See—*

Herzfeld, Ronald; Wydra, Karl; Grebe, Herbert; Dickel, Fritz; Dickel, Ronald; and Dickel, Norbert, 4,863,302, Cl. 401-289.000.

Dickel, Ronald: *See—*

Herzfeld, Ronald; Wydra, Karl; Grebe, Herbert; Dickel, Fritz; Dickel, Ronald; and Dickel, Norbert, 4,863,302, Cl. 401-289.000.

Dickens, Andrew W.: *See—*

Brunold, Colin R.; Dickens, Andrew W.; Hunns, Jeremy C. B.; Mackley, Malcolm R.; and Williams, Huw R., 4,832,500, Cl. 366-268.000.

Dickens, James. Motor vehicle invalid lift. 4,809,372, 3-7-89, Cl. 5-81.00R.

Dickens, James W.; and Oster, Clark L., to Square D Company. Contact assembly for a circuit breaker. 4,849,589, 7-18-89, Cl. 200-146.00R.

Dickenson, Haydn G. W.; and Huntington, David H., to Procter & Gamble Company, The. Laundry products. 4,876,023, 10-24-89, Cl. 252-90.000.

Dickenson, W[illegible] A. Electrically heated hose assembly for conveying electrically conductive liquids. 4,874,925, 10-17-89, Cl. 219-301.000.

Dicker, David. Continuous mailer assembly. 4,844,329, 7-4-89, Cl. 229-69.000.

Dicker, Ira B., to Du Pont de Nemours, E. I., and Company. Catalyst for group transfer polymerization. 4,866,145, 9-12-89, Cl. 526-190.000.

Dickerhoff, Bruce W.: *See—*

Gerald, Gregory L.; and Dickerhoff, Bruce W., 4,842,564, Cl. 446-297.000.

Dickerman, Randy L.; and Melchior, Wayne R., to Eagle-Picher Industries, Inc. High temperature metal rubber gasket. 4,849,295, 7-18-89, Cl. 428-457.000.

Dickerson, Brian E., to BI Incorporated. Locked transmitter tag assembly and method of lockably attaching same to object. 4,812,823, 3-14-89, Cl. 340-572.000.

Dickerson, Daryl E. Handlegrip cruise assist device. 4,875,386, 10-24-89, Cl. 74-551.900.

Dickerson, James A., to Jim Dickerson Plumbing, Inc. Apparatus for preventing backing up of sewage in a building. 4,850,059, 7-25-89, Cl. 4-211.000.

Dickerson, Richard C.; and Miller, William S., to Ecolochem, Inc. Deoxygenation process. 4,818,411, 4-4-89, Cl. 210-668.000.

Dickerson, Robert E.; Kelly, James E.; Diehl, Donald R.; and Factor, Ronda E., to Eastman Kodak Company. Radiographic element exhibiting reduced crossover. 4,803,150, 2-7-89, Cl. 430-502.000.

Dickerson, Robert E.: *See—*

Abbott, Thomas I.; Dickerson, Robert E.; and Youngblood, Michael P., 4,865,958, Cl. 430-542.000.

Dickerson, Robert T.: *See—*

Ives, Fred H.; Dickerson, Robert T.; Dickerson, William J.; McNamee, Michael D.; and Talbot, Mark D., 4,806,881, Cl. 332-22.000.

Dickerson, William J.: *See—*

Ives, Fred H.; Dickerson, Robert T.; Dickerson, William J.; McNamee, Michael D.; and Talbot, Mark D., 4,806,881, Cl. 332-22.000.

Dickerson, Wilton H., to Du Pont de Nemours, E. I., and Company. Spinning of spandex filaments. 4,810,737, 3-7-89, Cl. 524-251.000.

Dickes, Steven M.: *See—*

Collins, Robert W.; Davidson, William S.; Dickes, Steven M.; Effle, James S.; Larson, Carle J.; Weinschenk, Russell J.; and Wottreng, Peter M., 4,847,749, Cl. 364-200.000.

Dickey, Alan: *See—*

Weiss, Bruce W.; and Dickey, Alan, 4,834,173, Cl. 165-159.000.

Dickey, Daniel M., to Trine Manufacturing Co., Inc. Apparatus and method for applying a label to a container. 4,844,760, 7-4-89, Cl. 156-215.000.

Dickey, Glen R.; Bosley, Alton M.; Weyrich, Robert H.; and Juarez, Charles C., to Houston Industries Incorporated. Anti-rotation cable stringing. 4,805,878, 2-21-89, Cl. 254-134.30R.

Dickey, Jeffrey C.: *See—*

Kolp, Robert J., Jr.; Anderson, Stephen E.; and Dickey, Jeffrey C., 4,867,333, Cl. 220-234.000.

Dickey, Joan D. Document printing aid for microcomputer printers. 4,813,799, 3-21-89, Cl. 400-522.000.

Dickey, John A., to Spectrum Corporation. Reduced arcing contact switching circuit. 4,864,157, 9-5-89, Cl. 307-135.000.

Dickey-john Corporation: *See—*

Bachman, Wesley J.; and Stone, Steven G., 4,805,626, Cl. 364-424.070.

Dickey, Larry A.; and Ambler, John J. Spinner fishing lure. 4,881,340, 11-21-89, Cl. 43-42.120.

Dickey, Larry W.; and Rhines, Warren J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Telecommunication protector unit with pivotal surge protector. 4,796,150, 1-3-89, Cl. 361-119.000.

Dickey, Ronald K.: *See—*

Hanlon, Ronald D.; and Dickey, Ronald K., 4,817,908, Cl. 248-564.000.

Dickey, Steven R.: *See—*

Monslow, H. Vincent; and Dickey, Steven R., 4,890,320, Cl. 380-10.000.

Dickherber, Robert L.: *See—*

Thayer, Dale F.; Dickherber, Robert L.; and Huizenga, David L., 4,832,522, Cl. 403-19.000.

Dickhudt, Eugene A.; and Ray, Charles D., to Cedar Surgical, Inc. Retractable buttocks support for operations in the prone sitting position. 4,824,089, 4-25-89, Cl. 269-328.000.

Dickie, Robert G. Electromagnetic and electrostatic shielding for electronic equipment. 4,853,790, 8-1-89, Cl. 358-245.000.

Dickinson, Barry L.; and Robeson, Lloyd M., to Amoco Corporation. Shaped article formed from a blend of a poly(aryl ether) and a polycarbonate and/or a polyarylate. 4,861,837, 8-29-89, Cl. 525-394.000.

Dickinson, Ben W. O.; Anderson, Randall R.; Dickinson, Robert W.; Dickinson, Eric W.; and Dykstra, Herman, to Petrolphysics Operators. Gravel packing system for a production radial tube. 4,865,128, 9-12-89, Cl. 166-278.000.

Dickinson, Ben W. O.; Dickinson, Robert W.; Anderson, Randall R.; Dickinson, Eric W.; and Wilkes, Robert D., to Petrolphysics Operators. Oil well production system using a hollow tube liner. 4,872,509, 10-10-89, Cl. 166-278.000.

Dickinson, Ben W. O., III; Dickinson, Robert W.; May, Sherman C.; and Mackey, Charles S., to Dickinson, Ben Wade Oakes, III; and Dickinson, Robert Wayne. Hydraulic drilling apparatus and method. 4,852,668, 8-1-89, Cl. 175-67.000.

Dickinson, Ben Wade Oakes, III: *See—*
Dickinson, Ben W. O., III; Dickinson, Robert W.; May, Sherman C.; and Mackey, Charles S., 4,852,668, Cl. 175-67.000.

Dickinson, Douglas W.: *See—*
Sinofsky, Edward L.; Spears, J. Richard; Dickinson, Douglas W.; and Wagner, Maria S., 4,878,492, Cl. 128-303.100.

Dickinson, Douglas W., Jr.: *See—*
Herman, Stephen J.; Roth, Laurence A.; Sinofsky, Edward L.; and Dickinson, Douglas W., Jr., 4,850,351, Cl. 128-303.100.

Dickinson, Edwin L.: *See—*
Kile, Walter F.; and Dickinson, Edwin L., 4,864,731, Cl. 33-872.000.

Dickinson, Eric W.: *See—*
Dickinson, Ben W. O.; Anderson, Randall R.; Dickinson, Robert W.; Dickinson, Eric W.; and Dykstra, Herman, 4,865,128, Cl. 166-278.000.
Dickinson, Ben W. O.; Dickinson, Robert W.; Anderson, Randall R.; Dickinson, Eric W.; and Wilkes, Robert D., 4,872,509, Cl. 166-278.000.

Dickinson, Harry D. Cable-beam trafficway barrier. 4,844,653, 7-4-89, Cl. 404-6.000.

Dickinson, James M. Drip stop spacer for greenhouses. 4,823,517, 4-25-89, Cl. 52-39.000.

Dickinson, John M. C.: *See—*
Stewart, David B.; Dickinson, John M. C.; and Hogan, Brian D., 4,825,511, Cl. 19-85.000.
Stewart, William R.; Stewart, David B.; and Dickinson, John M. C., 4,869,060, Cl. 57-301.000.

Dickinson, Martin B., Jr., co-executor: *See—*
de Montigny, Pierre M. R.; Sternson, Larry A.; Repta, Arnold J.; Stobaugh, John F.; Higuchi, Takeru, deceased; and Higuchi, Kenji W., co-executor, 4,837,166, Cl. 436-111.000.
Higuchi, Takeru, deceased; Higuchi, Kenji W., co-executor; and Wong, Ooi, 4,845,233, Cl. 548-320.000.

Dickinson, Peter J.: *See—*
Barratt, Peter J.; Clough, Douglas O.; Dickinson, Peter J.; and Farnhill, William M., 4,854,117, Cl. 57-301.000.

Dickinson, Robert W.: *See—*
Dickinson, Ben W. O.; Anderson, Randall R.; Dickinson, Robert W.; Dickinson, Eric W.; and Dykstra, Herman, 4,865,128, Cl. 166-278.000.
Dickinson, Ben W. O.; Dickinson, Robert W.; Anderson, Randall R.; Dickinson, Eric W.; and Wilkes, Robert D., 4,872,509, Cl. 166-278.000.
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Dickinson, Robert Wayne: *See—*
Dickinson, Ben W. O., III; Dickinson, Robert W.; May, Sherman C.; and Mackey, Charles S., 4,852,668, Cl. 175-67.000.

Dickinson, Roger P.: *See—*
Cross, Peter E.; and Dickinson, Roger P., 4,806,536, Cl. 514-252.000.
Cross, Peter E.; and Dickinson, Roger P., 4,835,165, Cl. 514-318.000.

Dickinson, Thom W., to Torrington Company, The. Antifriction bearing with seal arrangement. 4,872,770, 10-10-89, Cl. 384-484.000.

Dickinson, William D.; and Mirand, James, to American Sigma, Inc. Pump components for building pump, and methods of constructing and using same. 4,869,371, 9-26-89, Cl. 206-577.000.

Dickneite, Gerhard; Schorlemmer, Hans-Ulrich; Kraemer, Hans P.; and Sedlacek, Hans H., to Behringwerke Aktiengesellschaft. Use of 15-deoxyspergualine as a pharmaceutical. 4,847,299, 7-11-89, Cl. 514-579.000.

Dickore, Karlfried: *See—*
Lindner, Christian; Dickore, Karlfried; Suling, Carlhans; Korte, Siegfried; and Paulus, Wolfgang, 4,871,850, Cl. 544-256.000.

Dickore, Karlfried; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, to Bayer Aktiengesellschaft. 3,4,6-trisubstituted 1,2,4-triazin-5(4H)-one herbicides. 4,846,881, 7-11-89, Cl. 71-93.000.

Dickovich, Thomas E.; and Neubauer, Steven P., to Honeywell Inc. Ignition system for high intrusion projectile. 4,887,534, 12-19-89, Cl. 102-373.000.

Dicks, L. W. R.: *See—*
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Dicks, Lynton W. R., to Shell Oil Company. Measuring wall erosion. 4,872,345, 10-10-89, Cl. 73-597.000.

Dicks, Lynton W. R.: *See—*
Davis, D. G.; Dicks, Lynton W. R.; and Horwege, J. A., 4,805,562, Cl. 122-7.00R.
Davis, D. G.; and Dicks, Lynton W. R., 4,823,742, Cl. 122-7.00R.
Davis, Drucilla G.; Dicks, Lynton W. R.; and Horwege, J. A., 4,823,741, Cl. 122-7.00R.

Dicks, Peter, to Faultless-Doerner Manufacturing Inc. Means for adjusting the vertical height of the seat of a chair. 4,828,212, 5-9-89, Cl. 248-406.200.

Dicks, Peter, to Faultless-Doerner Manufacturing Inc. Office chair with tiltable seat and back. 4,834,454, 5-30-89, Cl. 297-317.000.

Dickson, Billy H.: *See—*
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Dickson, Calvin M.; and Rushforth, Kevin C., to Evans & Sutherland Computer Corporation. Computer graphics pixel processing system. 4,873,515, 10-10-89, Cl. 340-728.000.

Dickson, Charles R.: *See—*
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Dickson, Edwin J., to Babcock & Wilcox Company, The. High temperature fiber system with controlled shrinkage and stress resistance. 4,802,425, 2-7-89, Cl. 110-336.000.

Dickson Industries, Inc.: *See—*
Dickson, Wayne E., 4,841,681, Cl. 51-319.000.
Dickson, Wayne E., 4,850,788, Cl. 414-537.000.

Dickson, James: *See—*
Hackman, Lloyd E.; Dickson, James; Dunlap, David L.; and Handshey, Mark E., 4,813,472, Cl. 164-463.000.

Dickson, James E.; and Vasquez, Dario, Jr., to Wholesale Furniture Distributors, Inc. Chest of drawers and method of assembly. 4,880,284, 11-14-89, Cl. 312-263.000.

Dickson, Rennie L.: *See—*
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Dickson, Robert, to Digital Equipment Corporation. High speed interconnect unit for digital data processing system. 4,827,409, 5-2-89, Cl. 364-200.000.

Dickson, Wayne E., to Dickson Industries, Inc. Surface blasting apparatus. 4,841,681, 6-27-89, Cl. 51-319.000.

Dickson, Wayne E., to Dickson Industries, Inc. Ramp assembly for trailers and the like. 4,850,788, 7-25-89, Cl. 414-537.000.

Dickstein, Heidi L.; Hiraoka, Hiroyuki; and Lee, James H., to International Business Machines Corporation. Thin film magnetic heads with thermally crosslinked insulation. 4,875,124, 10-17-89, Cl. 360-126.000.

Dickstein, Victor, to Scientific Plastics, Inc. Vertical louver assembly. 4,834,163, 5-30-89, Cl. 160-176.100.

Dicky, John, to Columbus McKinnon Corporation. Tire shredding machine. 4,854,508, 8-8-89, Cl. 241-236.000.

DiClaudio, Giacomo: *See—*
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Dicon Systems Limited: *See—*
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Mallory, John; Burgmann, Thomas A. D.; and Lennartz, Gary, 4,821,027, Cl. 340-521.000.
Taylor, Stephen C., 4,803,473, Cl. 340-693.000.

DiCosimo, Robert; and Szabo, Hsiao-Chiung, to Standard Oil Company, The. Process for oxidation of benzene to phenol precursor. 4,861,911, 8-29-89, Cl. 560-145.000.

DiCosimo, Robert; Burrington, James D.; and Suresh, Dev D., to Standard Oil Company, The. Process for making 3-cyanopyridine. 4,876,348, 10-24-89, Cl. 546-252.000.

Dictaphone Corporation: *See—*
Chamberlin, David B.; Dwyer, John J.; Grey, Suzanne N.; Jachmann, Emil F.; and Saltzman, Jeremy, 4,817,127, Cl. 379-67.000.
Chamberlin, David B.; D'Agosto, Nicholas A., III; and Hoffman, Ernest D., 4,817,132, Cl. 379-165.000.
D'Agosto, Nicholas A., III; Smith, Steven M.; and Jachmann, Emil F., 4,800,582, Cl. 379-216.000.
D'Agosto, Nicholas A., III; Chamberlin, David B.; Su, Jy-Hong; Jachmann, Emil F.; and Grey, Suzanne N., 4,860,339, Cl. 379-67.000.
Dulaff, Paul G.; and McGraw, C. Eugene, 4,873,592, Cl. 360-90.000.
Dwyer, John J.; and Chamberlin, David B., 4,809,116, Cl. 360-137.000.
Dwyer, John J.; Jachmann, Emil F.; Harris, Mark N.; and Belon, Brian F., 4,858,213, Cl. 369-28.000.
Freer, Raymond F., 4,835,630, Cl. 360-69.000.
Freer, Raymond F., 4,864,432, Cl. 360-27.000.
Hoover, John W.; Rutkowski, Richard G.; and Dulaff, Paul G., 4,870,516, Cl. 360-96.300.
Jachmann, Emil F.; Saltzman, Jeremy; and Chamberlin, David B., 4,853,952, Cl. 379-88.000.
Sander, Willy M.; and Freer, Raymond F., 4,811,131, Cl. 360-74.400.
Sander, Willy M., 4,827,461, Cl. 369-7.000.
Sander, Willy M., 4,851,937, Cl. 360-69.000.
Sander, Willy M., 4,888,652, Cl. 360-5.000.

Didebulidze, Alexandr K.: *See—*
Ksovreli, Robinzon I.; Didebulidze, Alexandr K.; Kochiev, Valery K.; and Gasseev, Amiran F., 4,885,487, Cl. 310-36.000.

Dideco S.p.A.: *See—*
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Panzani, Ivo, 4,879,031, Cl. 210-360.200.

Didier Engineering GmbH: *See—*
Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich; Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Stein, Hermann, 4,828,806, Cl. 423-213.500.

Didier, Gregory S.; and Roussey, James L., to Navistar International Transportation Corp. Brake system with auxiliary pump warning circuit. 4,845,463, 7-4-89, Cl. 340-453.000.

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Didier, Toquin: *See—*
Patrick, Giraud; Georges Benne Jean; Michele, Guittet; and Didier, Toquin, 4,810,493, Cl. 424-89.000.

Didier-Werke AG: *See—*
Bush, Edward A.; Reddy, K. Pattabhirami; and Socha, Louis S., Jr., 4,835,123, Cl. 501-104.000.
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Ganson, Dietmar; Schutz, Heinz; and Zetz, Mel, 4,815,715, Cl. 266-268.000.
Hlawatschek, Hartmut; Celsdorf, Gunter; Bohm, Kurt, and Schubert, Manfred, 4,829,538, Cl. 373-72.000.
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Stein, Hermann; Kainer, Hartmut; and Grimm, Daniel, 4,806,427, Cl. 502-60.000.

DiDomenico, Joseph. Pierced earring having composite metallic/plastic post. 4,829,788, 5-16-89, Cl. 63-12.000.

Di Domenico, Roberto; Castoldi, Daniele; Spinelli, Silvano; Tofanetti, Odoardo; Tognella, Sergio; and Gandolfi, Carmelo A., to Boehringer Biochemia Robin S.p.A. 2-sulphinyl-acetyl-1,3-thiazolidines, their preparation and pharmaceutical compositions. 4,849,437, 7-18-89, Cl. 514-365.000.

DiDonato, Richard J.: *See—*
Bannister, A. Karen; Brandriff, Kristen; Carlotto, John A.; DiDonato, Richard J.; Haigh, Virginia; and Sirois, Edmond, 4,796,443, Cl. 63-14.500.

Die intech Dr. Jodlbauer Gesellschaft fur Innovation und Technoogie mbH: *See—*
Jodlbauer, Heinz D., 4,886,675, Cl. 426-242.000.

Diebold Incorporated: *See—*
Graef, Harry T.; Newton Kevin H.; Allison, Timothy B.; and Eastman, Jeffrey M., 4,871,085, Cl. 221-4.000.
Graef, Harry T.; and Newton, Kevin H., 4,884,679, Cl. 198-718.000.

Diebold, James L.: *See—*
Winkley, Michael W.; and Diebold, James L., 4,801,706, Cl. 540-554.000.
Winkley, Michael W.; and Diebold, James L., 4,882,323, Cl. 514-183.000.

Dieck, Ronald L.: *See—*
Aniuk, Lawrence M.; Dieck, Ronald L.; and Hardy, Dwayne, 4,883,699, Cl. 428-36.900.

Dieckmann, Ralf E. Mounting apparatus for a lamp or similar device. 4,887,193, 12-12-89, Cl. 362-89.000.

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Narr, Berthold; Hauel, Norbert; Noll, Klaus; Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; van Meel, Jacques; and Diederen, Willi, 4,831,027, Cl. 514-212.000.

Diederich, Walter J., to TPV Energy Systems, Inc. Gas mantle technology. 4,877,553, 10-31-89, Cl. 252-492.000.

Diederich, Walter J.; and Nelson, Robert E., to TPV Energy Systems, Inc. Refractory metal oxide processes. 4,883,619, 11-28-89, Cl. 264-60.000.

Diedering, Deborah E.: *See—*
Stevens, Timothy S.; Frawley, Nile N.; Swart, Daniel J.; Harris, William C.; Diedering, Deborah E.; Nicholson, Lawrence W.; and Rothman, L. David, 4,837,161, Cl. 436-52.000.

Di Edwardo, William. Tool extension and torque transfer device. 4,867,016, 9-19-89, Cl. 81-57.300.

Diefenbach, Gerhard; Schemmann, Hugo; and Bukoschek, Romuald L., to U.S. Philips Corp. Single phase synchronous motor vibration apparatus. 4,868,435, 9-19-89, Cl. 310-47.000.

Diefenbach, Gerhard: *See—*
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Diefendorff, Keith E., to Texas Instruments Incorporated. Porthole window system for computer displays. 4,868,765, 9-19-89, Cl. 364-521.000.

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Lee, Robert; Hornsey, Derek; Garrido, Guillermo; and Dieguez, Jose M., 4,860,827, Cl. 166-261.000.

Diehard Engineering, Inc.: *See—*
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Diehl, Axel, to Ford Motor Company. Synchronizing clutch for automotive multiple speed transmission. 4,848,548, 7-18-89, Cl. 192-67.00A.

Diehl, Conrad; and DiRisio, Anthony, to Eastman Kodak Company. Electromagnetic control device for cameras. 4,803,506, 2-7-89, Cl. 354-400.000.

Diehl, Donald R.; and Factor, Ronda E., to Eastman Kodak Company. Filter dye for photographic element. 4,857,446, 8-15-89, Cl. 430-510.000.

Diehl, Donald R.; and Reed, Ralph C., to Eastman Kodak Company. Photographic silver halide elements containing filter dyes. 4,877,721, 10-31-89, Cl. 430-522.000.

Diehl, Donald R.: *See—*
Dickerson, Robert E.; Kelly, James E.; Diehl, Donald R.; and Factor, Ronda E., 4,803,150, Cl. 430-502.000.
DoMinh, Thap; and Diehl, Donald R., 4,871,844, Cl. 540-575.000.
Evans, Steven; Weber, Helmut; and Diehl, Donald R., 4,853,366, Cl. 503-227.000.
Factor, Ronda E.; and Diehl, Donald R., 4,855,221, Cl. 430-510.000.

Diehl, Elmar: *See—*
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Diehl GmbH & Co.: *See—*
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Bock, Erich; and Himmert, Rainer, 4,882,996, Cl. 102-496.000.
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Erlenmaier, Gunter; and Spies, Klaus, 4,813,750, Cl. 305-58.0PC.
Fiedler, Kurt; and Kratz, Bernhard, 4,802,414, Cl. 102-206.000.
Furst, Wilhelm, 4,833,991, Cl. 102-215.000.
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Kosmol, Joachim; and Krummer, Thomas, 4,795,357, Cl. 439-232.000.
Lachmann, Karl-Heinz, 4,856,733, Cl. 244-3.150.
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Lindstadt, Klaus; and Rudolf, Karl, 4,858,531, Cl. 102-307.000.
Lindstadt, Klaus; and Wittmer, Detlev, 4,860,658, Cl. 102-427.000.
Meisner, Alfred; Potthof, Erwin; and Fluhrer, Henry, 4,841,493, Cl. 367-140.000.
Meisner, Alfred; and Hammelsbacher, Karlheinz, 4,855,971, Cl. 368-188.000.
Muller, Peter; Nagler, Josef; and Ahlers, Utz-Udo, 4,860,969, Cl. 244-3.270.
Postler, Gunter; Anacker, Lothar; Furst, Wilhelm; and Brunner, Anton, 4,848,235, Cl. 102-393.000.
Ringel, Konrad; and Rudolf, Karl, 4,815,384, Cl. 102-307.000.
Rudenauer, Werner, 4,873,927, Cl. 102-269.000.
Schubart, Rudolf; and Schwarz, Wolfgang, 4,870,884, Cl. 86-20.120.
Stadler, Hansjorg; and von Laar, Klaus, 4,875,414, Cl. 102-307.000.
Steuer, Raimar, 4,869,441, Cl. 244-3.280.
Sundermeyer, Peter, 4,831,935, Cl. 102-384.000.
Sundermeyer, Peter, 4,840,328, Cl. 244-3.150.
Trosky, Bernhard; and Wolfschmitt, Clemens, 4,867,034, Cl. 89-1.110.
von Entress-Fursteneck, Wolfgang, 4,807,533, Cl. 102-489.000.
von Entress-Fursteneck, Wolfgang; Schleicher, Ulrich; and Konik, Bernd, 4,809,613, Cl. 102-473.000.
von Laar, Klaus; Sackenreuter, Hans; and Heberlein, Werner, 4,852,461, Cl. 89-46.000.
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Diehl, Manfred, to Degussa Aktiengesellschaft. Water-insoluble silicate containing detergent builder granulate. 4,883,607, 11-28-89, Cl. 252-174.180.

Diehl, Manfred: *See—*
Dankowski, Manfred; Lieser, Thomas; Prescher, Gunter; Leonhardt, Wolfgang; and Diehl, Manfred, 4,879,057, Cl. 252-99.000.

Diehl-Nagle, Sherra E.; and Hauser, John R. High impendance-coupled CMOS SRAM for improved single event immunity. 4,805,148, 2-14-89, Cl. 365-154.000.

Diehl, Ottmar K. Pipe tensioner machine. 4,810,132, 3-7-89, Cl. 405-166.000.

Diehl, Robert E.: *See—*
Brown, Dale G.; Siddens, Jack K.; Diehl, Robert E.; and Wright, Donald P., Jr., 4,857,651, Cl. 549-443.000.

Diehl, Werner K.; Fieseler, Heinrich; and Sassmann, Gerhard, to Messer Griesheim GmbH. Closing for a discharge-proof cryocontainer. 4,802,598, 2-7-89, Cl. 215-348.000.

Diehl, Werner K.; and Kesten, Martin, to Messer Griesheim GMBH. Process for the production of a compresssed gas container made of austenitic steels by cryodeformation. 4,846,900, 7-11-89, Cl. 148-125.000.

Diehm, Brian D.; and Stanley, James C., to Tektronix, Inc. Status driven menu system. 4,823,283, 4-18-89, Cl. 364-518.000.

Diehm, Brian D.: *See—*
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Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt,

Robert R.; and Eue, Ludwig, to Bayer Aktiengesellschaft. Sulphonyliso(thio)urea derivatives and herbicidal use thereof. 4,840,661, 6-20-89, Cl. 71-90.000.
Dieken, Alan P.: *See—*
Dufresne, Joel R.; Dieken, Alan P.; and Studer, John E., Jr., 4,803,986, Cl. 128-385.000.
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Schurter, Rolf; and Diel, Peter J., 4,875,926, Cl. 71-94.000.
Diel, Robert M., to Eaton Corporation. Valve spool detent. 4,796,860, 1-10-89, Cl. 251-297.000.
Diels, Gaston S. M.: *See—*
Janssens, Frans E.; Kennis, Ludo E. J.; Hens, Jozef F.; Torremans, Joseph L. G.; and Diels, Gaston S. M., 4,839,374, Cl. 514-394.000.
Diem, Hans; Kraus, Friedrich; Matthias, Guenther; Maurer, Bruno; and Wittmann, Otto, to BASF Aktiengesellschaft. Pulverulent aminoplast adhesive resin for wood-base materials having a low formaldehyde emission, its preparation, and a formulated pulverulent aminoplast adhesive resin. 4,814,422, 3-21-89, Cl. 528-230.000.
Diem, Michael; Fisk, Michael A.; and Goldman, Jon C., to Anicon, Inc. Process and apparatus for low pressure chemical vapor deposition of refractory metal. 4,817,557, 4-4-89, Cl. 118-719.000.
Diemer, Peter; and Deuser, Norbert, to Krupp-Koppers GmbH. Process for the simultaneous production of methanol synthesis gas and ammonia synthesis gas. 4,810,417, 3-7-89, Cl. 252-373.000.
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Diemer, Wolfgang, to Schenk Filterbau GmbH. Process filter. 4,888,111, 12-19-89, Cl. 210-178.000.
Diemer, Wolfgang: *See—*
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Diener, Jorg, to Richard Wolf, GmbH. Technoscope for determining the extent of damage to an object. 4,820,043, 4-11-89, Cl. 356-241.000.
Diener, Michael P. Storage clip. 4,823,445, 4-25-89, Cl. 24-326.000.
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Dienes, Geza, to Andrew Corporation. High-power, end-fed, non-coaxial UHF-TV broadcast antenna. 4,851,857, 7-25-89, Cl. 343-771.000.
Diepers, Heinrich, to Siemens Aktiengesellschaft. Magnetic thin-film head on a nonmagnetic substrate for vertical mangetization. 4,853,8[illegible]5, 8-1-89, Cl. 360-126.000.
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Dieras, Francis; Soulie, Alain; Larrieu, Jean-Louis; and Escanecrabe, Bernard, to SATELEC. Apparatus for the curettage or exeresis of biological tissues by means of an instrument vibrating at ultrasound frequencies. 4,804,364, 2-14-89, Cl. 604-22.000.
Dierckx, Rudolf F. I.; Sallaerts, Daniel; and Guebels, Pierre-Paul F., to Alcatel N.V. Echo canceller using an adaptive finite impulse response filter. 4,803,648, 2-7-89, Cl. 364-724.190.
Dierick, Tony F. J.; Kite, Nicholas J.; and Moran, Michael J., to Enviro-Spray Systems, Inc. Balloon storage and inflation assembly. 4,857,029, 8-15-89, Cl. 446-220.000.
Dieringer, Andrew M.: *See—*
Kubicek, Todd R.; and Dieringer, Andrew M., 4,825,919, Cl. 144-252.00R.
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Dierke, Ruediger; Schlichthaerle, Gottfried; Schuchart, Peter; and Schweitzer, Armin, to BASF Aktiengesellschaft. Method of removing heat from a vertical steam reformer connecting pipe. 4,830,091, 5-16-89, Cl. 165-1.000.
Dierker, Joseph B., Jr.; Peterson, Glen D.; and Gee, Thomas A., to Eaton Corporation. Dual speed sensor pickup assembly. 4,862,025, 8-29-89, Cl. 310-68.00B.
Dierker, Joseph B., Jr.; Peterson, Glen D.; and Gee, Thomas A., to Eaton Corporation. Exciter rotor assembly. 4,862,028, 8-29-89, Cl. 310-168.000.
Dierkes, Albert; Gilly, Joachim; Grecksch, Ernst; and Schellenberger, Friedrich, to Siemens Aktiengesellschaft. Disk pack drive with electric motor having sintered permanent magnets. 4,819,104, 4-4-89, Cl. 360-98.010.
Dierking, Stanley E.: *See—*
Kalenak, Robert D.; and Dierking, Stanley E., 4,832,223, Cl. 220-66.000.
Dierksmeier, Douglas D., to United States of America, Air Force. Quick disconnect duct coupler. 4,838,584, 6-13-89, Cl. 285-419.000.
Dierl, Tina T.: *See—*
Cogan, Kevin C.; Echols, Robert M.; and Dierl, Tina T., 4,8[illegible]1,922, Cl. 99-486.000.
Diermayer, Werner; and Kutzner, Luitpold. Draft control arrangement for venting of combustion apparatus. 4,838,4[illegible]1, 6-13-89, Cl. 236-1.00G.
Diernisse H. V. Ergonomic keyboard. 4,824,268, 4-25-89, Cl. 400-486.000.
Dieroff, Gerhard H.: *See—*
Silvaggio, Joseph A.; Dieroff, Gerhard H.; and Bryant, James R. 4,816,710, Cl. 310-194.000.
Diesch-Muller, Stefanie: *See—*
Matje, Peter; and Diesch-Muller, Stefanie, 4,814,302, Cl. 501-96.000.
Diesch, Ronald W.: *See—*
Collins, Marcus H.; and Diesch, Ronald W., 4,874,068, Cl. 192-18.00A.
Diesel Equipment Limited: *See—*
Ballyns, Jan; Martin, Paul H.; and Martin, John C., 4,860,813, Cl. 160-188.000.
Martin, John C., 4,865,389, Cl. 298-22.00C.
Martin, Paul H., 4,825,190, Cl. 340-471.000.
Martin, Paul H.; Martin, John C.; and Furzer, Roy G. R., 4,825,90 Cl. 137-879.000.
Martin, Paul H.; Martin, John C.; and Furzer, Roy G. R., 4,865,07 Cl. 137-879.000.
Martin, Roger J., 4,799,873, Cl. 425-73.000.
Diesel Kiki Co., Ltd.: *See—*
Aoki, Hachiro; Kobayashi, Tadashi; Kuronuma, Junya; and Kiuchi, Hideya, 4,881,926, Cl. 474-25.000.
Arai, Kenji; Kurihara, Kazumasa; and Oshizawa, Hidekazu, 4,807,132, Cl. 364-424.100.
Asami, Toshiaki; Ikeda, Takayuki; Mogi, Toru; and Kobayashi, Tomie, 4,834,134, Cl. 137-493.300.
Doi, Shigetoshi; Anan, Yoshiaki; Nagaoka, Hirofumi; Iida, Katsumi; and Sakurai, Yoshihiko, 4,827,730, Cl. 62-127.000.
Doi, Shigetoshi; Nagayama, Yoshiaki; Iida, Katsumi; and Sakurai, Yoshihiko, 4,858,677, Cl. 165-12.000.
Fujii, Kazuo, 4,878,358, Cl. 62-227.000.
Fukata, Akio; and Fujisawa, Yoshihisa, 4,867,486, Cl. 285-222.00
Ichihashi, Kouji, 4,809,749, Cl. 137-625.650.
Ichihashi, Kouji, 4,844,122, Cl. 137-625.650.
Ichihashi, Kouji; and Inaba, Akira, 4,860,792, Cl. 137-596.170.
Ichihashi, Kouji; and Yasuma, Jun-ichi, 4,875,501, Cl. 137-625.6
Iio, Masahiro, 4,815,953, Cl. 418-179.000.
Iio, Masahiro, 4,886,392, Cl. 403-282.000.
Ishikawa, Masataka, 4,858,158, Cl. 364-571.010.
Ishikawa, Masataka; and Takagi, Nobukazu, 4,870,939, Cl. 123-506.000.
Ishizuka, Yutaka; and Nagao, Teruyuki, 4,805,118, Cl. 62-298.00
Ishizuka, Yutaka; Kaizaki, Masanori; and Tanaka, Shigeo, 4,815,362, Cl. 98-41.100.
Ishizuka, Yutaka; and Nagao, Teruyuki, 4,828,019, Cl. 165-54.000.
Itoh, Satoru; and Naganuma, Hiroshi, 4,864,993, Cl. 123-383.000.
Kikuchi, Hideya; and Ikeuchi, Hiroshi, 4,855,710, Cl. 340-426.000.
Kono, Hiromi, 4,853,844, Cl. 364-200.000.
Kubozono, Shigeru, 4,844,412, Cl. 251-297.000.
Kurihara, Kazumasa; and Arai, Kenji, 4,825,993, Cl. 192-0.092.
Kurihara, Kazumasa; and Arai, Kenji, 4,838,397, Cl. 192-0.044.
Kurihara, Kazumasa; and Arai, Kenji, 4,848,529, Cl. 192-0.076.
Kurihara, Kazumasa; and Arai, Kenji, 4,862,362, Cl. 364-424.100.
Kushida, Takeo; Taira, Susumu; Nagasaki, Wataru; Muramatsu, Hajime; and Sakakibara, Toshikazu, 4,843,877, Cl. 73-517.00R.
Maruyama, Iwao; and Saitoh, Hidetoshi, 4,887,955, Cl. 417-501.000.
Miyanaga, Choshichi, 4,809,517, Cl. 62-163.000.
Nagao, Teruyuki; and Tanaka, Shigeo, 4,848,214, Cl. 98-31.600.
Nakajima, Nobiyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, 4,850,815, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, 4,801,251, Cl. 417-295.000.
Nakajima, Nobuyuki, 4,802,830, Cl. 418-150.000.
Nakajima, Nobuyuki, 4,813,854, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,815,945, Cl. 417-295.000.
Nakajima, Nobuyuki, 4,818,189, Cl. 417-295.000.
Nakajima Nobuyuki; and Okada, Shigeru, 4,819,440, Cl. 62-133.000.
Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, 4,822,263, Cl. 418-133.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Eitai, Kazuo; and Yamaguchi, Toshio, 4,861,235, Cl. 417-295.000.
Nakajima, Nobuyuki, 4,865,524, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, 4,867,651, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,869,652, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,875,835, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,878,814, Cl. 417-63.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,889,474, Cl. 417-295.000.

Noguchi, Ichiro; Nagasaka, Yoshikiyo; and Kurosawa, Isamu, 4,800,954, Cl. 165-153.000.
Noguchi, Ichiro, 4,860,823, Cl. 165-153.000.
Odajima, Chuya, 4,828,168, Cl. 236-49.500.
Ogawa, Masanobu; and Ohno, Iwao, 4,826,086, Cl. 239-533.500.
Ohi, Shinichi; and Yoshida, Shinichiro, 4,795,867, Cl. 200-37.00R.
Okano, Masami, 4,838,080, Cl. 73-119.00A.
Okura, Eiji; Tomita, Ichizo; and Ida, Hiroyuki, 4,830,098, Cl. 165-42.000.
Ono, Mitsuya, 4,834,634, Cl. 418-94.000.
Oshizawa, Hidekazu; and Ishikawa, Masataka, 4,800,861, Cl. 123-506.000.
Oshizawa, Hidekazu, 4,825,369, Cl. 364-431.050.
Oshizawa, Hidekazu; Harada, Ryoichi; and Okano, Masami, 4,845,420, Cl. 323-222.000.
Sakurada, Muneo; Kurosawa, Isamu; and Wakabayashi, Shinji, 4,8[illegible],170, Cl. 165-43.000.
Sakurada, Muneo; and Takahashi, Yuusuke, 4,842,047, Cl. 165-43.000.
Sakurai, Yoshihiko, 4,800,951, Cl. 165-22.000.
Saso, Yuji; Kono, Hiromi; Tanoue, Akifumi; and Kimura, Yoshiyuki, 4,884,201, Cl. 364-424.100.
Sekiguchi, Akira, 4,825,691, Cl. 73-118.100.
Shibuya, Tsuneori; Ishizuka, Yutaka; Takada, Haruhiko; Nakamura, Teruo; and Takayama, Hidehiko, 4,810,177, Cl. 4[illegible]-76.000.
Sumikawa, Seiji; Takayama, Hidehiko; Suzuki, Yoshio; and Ono, Mitsuya, 4,830,590, Cl. 418-96.000.
Suzuki, Nobuhiko, 4,815,300, Cl. 62-209.000.
Suzuki, Nobuhiko, 4,848,101, Cl. 62-228.500.
Suzuki, Nobuhiko, 4,864,832, Cl. 62-133.000.
Suzuki, Nobuhiko; and Aoki, Tetuya, 4,875,832, Cl. 417-222.000.
Takagi, Nobukazu, 4,844,035, Cl. 123-446.000.
Takahashi, Masaatsu, 4,802,451, Cl. 123-373.000.
Takahashi, Masaatsu, 4,831,984, Cl. 123-373.000.
Takahashi, Tadahiro, 4,856,291, Cl. 62-217.000.
Takahashi, Tadahiro, 4,856,293, Cl. 62-228.300.
Tanaka, Noritoshi, 4,830,285, Cl. 239-533.600.
Tatsuhiko, Abe, 4,866,381, Cl. 324-208.000.
Tomita, Itizo; and Matsumoto, Takehide, 4,883,226, Cl. 237-12.30C.
Ueno, Katsumi, 4,856,549, Cl. 137-112.000.
Wakiya, Michio; and Kono, Hiromi, 4,813,335, Cl. 91-361.000.
Yasuma, Jun-ichi; Kobayashi, Tadashi; and Ishikawa, Masakuni, 4,83[illegible],509, Cl. 235-452.000.
Diesel Kiki K.K.: *See—*
Takahashi, Tadahiro; Ooi, Shinichi; and Takemasa, Masami, 4,871,011, Cl. 165-16.000.
Diesel Research and Development Co.: *See—*
Ray, Dennis A., 4,827,889, Cl. 123-557.000.
Diesen, Ronald W., to Dow Chemical Company, The. Catalytic process for ethylene dichloride. 4,814,527, 3-21-89, Cl. 570-243.000.
Diesinger, Walter: *See—*
Alker, Erich; Diesinger, Walter; and Schoffl, Rainer, 4,823,700, Cl. 102-476.000.
Diesler, Eszter: *See—*
Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
Diessel GmbH & Co.: *See—*
Hartmann, Hermann; and Frohbose, Hanjurgen, 4,814,722, Cl. 330-149.000.
Sanden, Ulrich-Christian; and Kaune, Manfred, 4,803,887, Cl. 73-863.010.
Diessel, Paul: *See—*
Baur, Richard; Fikentscher, Rolf; Oftring, Alfred; Richter, Felix; Trieselt, Wolfgang; Diessel, Paul; Winkler, Ekhard; and Perner, Johannes, 4,816,553, Cl. 528-245.000.
Diest, Joseph V.: *See—*
Baumann, Werner; Diest, Joseph V.; Eichenberger, Herbert; and Oppliger, Max, 4,820,806, Cl. 534-605.000.
Dieter Grasslin Feinwerktechnik: *See—*
Remigio, Ros; and Achim, Storz, 4,803,379, Cl. 307-112.000.
Dieter, Irene F. Display tray for fish and delicatessen products. 4,867,329, 9-19-89, Cl. 220-22.100.
Dieter, Monrow. Corner construction apparatus and method. 4,840,440, 6-20-89, Cl. 312-140.000.
Dieter Wildfang KG: *See—*
Wildfang, Dieter, 4,862,913, Cl. 137-543.000.
Dieterich, Charles B., to RCA Licensing Corporation. Sampled data audio tone control apparatus. 4,803,647, 2-7-89, Cl. 364-724.170.
Dieterich, Dieter: *See—*
Sanders, Josef; Reiff, Helmut; Balle, Gerhard; and Dieterich, Dieter, 4,797,427, Cl. 521-159.000.
Sanders, Josef; Hombach, Rudolf; Reiff, Helmut; Dieterich, Dieter; and Dollhausen, Manfred, 4,870,206, Cl. 560-359.000.
Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, to Deutsche Thomson-Brandt GmbH. Circuitry for limiting an operating voltage obtained by way of a rectifier from a secondary winding of a transformer. 4,814,672, 3-21-89, Cl. 315-411.000.
Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, to Deutsche Thomson-Brandt GmbH. Arrangement for automatic switching of the regulating speed of a phase regulating circuit. 4,835,610, 5-30-89, Cl. 358-158.000.
Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, to Deutsche Thomson-Brandt GmbH. Circuitry for automatically switching the control speed of a phase-control circuit. 4,860,102, 8-22-89, Cl. 358-158.000.
Dieterlen, Paul E.; and Mustain, Lewis B., to Liebel-Flarsheim Company. Cassette film transport. 4,845,733, 7-4-89, Cl. 378-177.000.
Dieterlen, Paul E.: *See—*
Benner, Harold T., Jr.; and Dieterlen, Paul E., 4,872,382, Cl. 83-152.000.
Diethelm, Alois, to Geberit AG. Drain plug. 4,794,654, 1-3-89, Cl. 4-295.000.
Dietheim, Beda. In-the-ear hearing-aid with pivotable inner and outer sections. 4,815,138, 3-21-89, Cl. 381-69.200.
Diethelm, Hermann, to Ciba-Geigy Corporation. Hot-foamable, thermosetting epoxy resin mixture. 4,798,848, 1-17-89, Cl. 521-89.000.
Dietl, Josef: *See—*
Baueregger, Rolf; Bildl, Erich; and Dietl, Josef, 4,871,117, Cl. 241-23.000.
Dietlein, John E.; and Klosowski, Jerome M., to Dow Corning Corporation. Adhesion of silicone sealant. 4,797,446, 1-10-89, Cl. 524-860.000.
Dietliker, Kurt: *See—*
Rutsch, Werner; Kirchmayr, Rudolf; Husler, Rinaldo; and Dietliker, Kurt, 4,795,766, Cl. 522-44.000.
Dietmar, Hermann: *See—*
LeBisch, Helmut; Basel, Rainer; Fuchs, Georg; Dietmar, Hermann; Wipfelder, Ernst; and Hekele, Wilhelm, 4,871,502, Cl. 264-222.000.
Dietrich, Anton; Hartig, Klaus; Schaefer, Hans-Christian; and Szczyrbowski, Joachim, to Leybold-Heraeus GmbH. Process for producing contact strips on substrates, especially on glazing. 4,830,876, 5-16-89, Cl. 427-96.000.
Dietrich, Anton: *See—*
Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.
Hartig, Klaus; and Dietrich, Anton, 4,863,756, Cl. 427-39.000.
Dietrich, Bob: *See—*
Naumann, Johannes; Tappert, Hans-Jurgen; Schrader, Klaus; Klose, Bernhard; and Dietrich, Bob, 4,809,590, Cl. 92-125.000.
Dietrich, Christian; Hennecke, Dieter; Losch, Simon; and Pfeil, Dirk, to Bayerische Motoren Werke A.G. Method for adjusting the damping force in motor vehicles in dependence on output signals of an acceleration transmitter. 4,805,101, 2-14-89, Cl. 364-424.010.
Dietrich, Christian, to Bayerische Motoren Werke Aktiengesellschaft. Installation for slippage limitation, respectively, prevention of driven wheels of a motor vehicle. 4,823,904, 4-25-89, Cl. 180-197.000.
Dietrich, Demus: *See—*
Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.
Dietrich, Fred J.: *See—*
Tsao, Chich-Hsing A.; Hwang, Yeongming; Kilburg, Francis J.; and Dietrich, Fred J., 4,847,625, Cl. 343-700.0MS.
Dietrich, Frederic, to DEC Machinery S.A. Apparatus and process for transferring pulverent material from a supply container to a delivery point. 4,834,589, 5-30-89, Cl. 406-109.000.
Dietrich, Hagen, to Masco Building Products Corp. Self-adjusting door strike. 4,813,724, 3-21-89, Cl. 292-341.120.
Dietrich, Horst: *See—*
Hoffman, Dieter; Munz, Wolf-Dieter; Siewert, G. A. Hoist; and Dietrich, Horst, 4,808,373, Cl. 420-507.000.
Hoffman, Dieter; Munz, Wolf-Dieter; Siewert, G. A. Horst; and Dietrich, Horst, 4,882,022, Cl. 204-192.150.
Dietrich, Klaus, to Messerschmitt-Bolkow-Blohm GmbH. Image recording sensor. 4,797,562, 1-10-89, Cl. 250-578.000.
Dietrich, Klaus; and Harasim, Anton, to Messerschmitt-Bolkow-Blohm GmbH. Method for producing the first differential of a two-dimensional image and optical structural element for performing the method. 4,812,019, 3-14-89, Cl. 350-355.000.
Dietrich, Klaus, to Messerschmitt-Bolkow-Blohm GmbH. Light sensitive superlattice detector arrangement with spectral sensitivity. 4,847,489, 7-11-89, Cl. 250-226.000.
Dietrich, Klaus; Hauer, Hans; and Schreier, Klaus, to Siemens Aktiengesellschaft. Address administration unit of a multi-processor central control unit of a communications switching system. 4,873,521, 10-10-89, Cl. 340-825.520.
Dietrich, Manfred; Pedain, Josef; Konig, Klaus; and Hohlein, Peter, to Bayer Aktiengesellschaft. Process for the preparation of polymers containing hydroxyl groups and their use for the production of polyurethanes. 4,803,246, 2-7-89, Cl. 525-124.000.
Dietrich, Manfred; Dustmann, Cord-Heinrich; Schmaderer, Franz; and Wahl, Georg F. H., to Brown, Boveri & Cie AG; and Kernforschungszentrum Karlsruhe GmbH. Process for the production of a niobium oxycarbonitride superconducting fiber bundle. 4,828,664, 5-9-89, Cl. 204-192.240.
Dietrich, Manfred: *See—*
Schmaderer, Franz; Wahl, Georg F.; Dustmann, Cord-Heinrich; Fitzer, Erich; Brennfleck, Karl; and Dietrich, Manfred, 4,849,288, Cl. 428-366.000.
Dietrich, Markus; and Berger, Frank, to Mercedes-Benz AG. Hydraulic play compensating element. 4,881,499, 11-21-89, Cl. 123-90.520.
Dietrich, Michael; and Dietrich, Wolfgang, to G. Dietrich GmbH Spezialfabrik fur Burstenhalter u. Kunststoffteile. Apparatus for

monitoring the wear upon carbon brushes in electrical machines. 4,831,302, 5-16-89, Cl. 310-242.000.
Dietrich, Otto E. Collet chuck. 4,884,821, 12-5-89, Cl. 279-1.00A.
Dietrich, Peter; and Bendele, Hanns J., to Carl-Zeiss-Stiftung. Universal condenser having only a single turret for a microscope. 4,807,980, 2-28-89, Cl. 350-526.000.
Dietrich, Rainer; Burkardt, Norbert; and Kuhn, Peter, to Lonza Ltd. Device for and method of continuous casting molten materials. 4,847,029, 7-11-89, Cl. 264-175.000.
Dietrich, Richard J., to Dietrich & Sons, Incorporated. Portable surface treating apparatus with non-straight handle. 4,809,388, 3-7-89, Cl. 15-143.00R.
Dietrich, Rolf: *See—*
Doenges, Gerhard; Dietrich, Rolf; Thoma, Helmut; and Von Unger, Eckart-Alfred, 4,841,554, Cl. 378-57.000.
Dietrich & Sons, Incorporated: *See—*
Dietrich, Richard J., 4,809,388, Cl. 15-143.00R.
Dietrich, Walter: *See—*
Aichert, Hans; Stephan, Herbert; Stumpp, Hermann; Dietrich, Walter; and Kiessling, Michael, 4,821,791, Cl. 164-506.000.
Dietrich, Werner: *See—*
Hoffmann, Erwin; Pfeil, Hans-Dieter; Dietrich, Werner; and Bock, Rolf, 4,804,425, Cl. 156-73.600.
Dietrich, Wolf; Beez, Volker; and Giebeler, Eberhard, to Rutgerswerke AG. Boric acid compositions. 4,801,404, 1-31-89, Cl. 252-607.000.
Dietrich, Wolfgang: *See—*
Dietrich, Michael; and Dietrich, Wolfgang, 4,831,302, Cl. 310-242.000.
Dietsche, Alfons, to Roman Dietsche KG. Cleaning tool. 4,831,678, 5-23-89, Cl. 15-176.400.
Dietz, Andras: *See—*
Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.
Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Szirt nee Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,798, Cl. 514-256.000.
Dietz, Erwin; and Prokschy, Frank, to Hoechst Aktiengesellschaft. Pigments of the quinacridonequinone series, processes for their preparation and their use. 4,881,980, 11-21-89, Cl. 106-495.000.
Dietz, Erwin: *See—*
Hofmann, Klaus; Buhler, Ulrich; and Dietz, Erwin, 4,812,143, Cl. 8-528.000.
Weide, Joachim; Dietz, Erwin; and Deubel, Reinhold, 4,828,622, Cl. 106-412.000.
Dietz, Henry G. Breathing sensor. 4,878,502, 11-7-89, Cl. 128-725.000.
Dietz, James E.: *See—*
Wilson, Randall R.; and Dietz, James E., 4,888,549, Cl. 324-73.00R.
Dietz, Mark L.: *See—*
Horwitz, E. Philip; and Dietz, Mark L., 4,835,107, Cl. 436-82.000.
Dietz, Matthias: *See—*
Bantle, Manfred; Munz, Volker; Zackl, Bernd; Dietz, Matthias; and Armbrust, Eberhard, 4,872,372, Cl. 74-710.500.
Dietz, Michel: *See—*
Andermann, Guy; de Burlet, Georges; Dietz, Michel; and Spittler, Joseph, 4,837,021, Cl. 424-602.000.
Dietz, Raymond; and Morris, Mark E., to Quality Mold, Inc. Barrel protector for a weapon. 4,817,322, 4-4-89, Cl. 42-96.000.
Dietz, Rolf; and Seiler, Herbert, to Ciba-Geigy Corporation. Fibre-reaction disazo dyes with a bi-reaction moiety comprising a halotriazine and vinylsulfonyl type radical. 4,845,203, 7-4-89, Cl. 534-637.000.
Dietz, Ronald P.; and Johnson, Jeffrey D., to Orbital Sciences Corporation II. Majority vote sequencer. 4,799,140, 1-17-89, Cl. 364-140.000.
Dietz, Timothy J.: *See—*
Downing, Verlon D.; and Dietz, Timothy J., 4,805,941, Cl. 280-279.000.
Dietz, Wolfgang; and Kuhn, Freidel. Method for the precipitation of mercury by electrolysis. 4,859,295, 8-22-89, Cl. 204-105.00R.
Dietz, Wolfgang; Gerken, Rudolf; Lailach, Gunter; and Clasen, Peter, to Bayer Aktiengesellschaft. Process for heating up moist gases containing hydrogen halides. 4,880,446, 11-14-89, Cl. 55-71.000.
Dietz, Wolfgang: *See—*
Bruun, Dieter; Dietz, Wolfgang; Muller, Klaus-Jurgen; and Reynvaan, Conrad H. H., 4,806,224, Cl. 204-222.000.
Peiffer, Herbert; Crass, Guenther; Dietz, Wolfgang; and Schloegl, Gunter, 4,803,027, Cl. 264-210.500.
Dietzen, Gary H. Method for accumulating and containing bore hole solids and recovering drill fluids and waste water on drilling rigs. 4,878,576, 11-7-89, Cl. 198-494.000.
Dietzsch, Claudius R., to Sig Schweizerische Industrie-Gesellschaft. Vibratory conveyor. 4,809,843, 3-7-89, Cl. 198-771.000.
Dietzsch, Claudius R., to Sig Schweizerische Industrie-Gesellschaft. Device for transferring heat energy by capillary forces. 4,840,224, 6-20-89, Cl. 165-104.260.
Dieu, Bernard; and CuQ, Jean, to Valmont S.A. Process for producing a sweet custard foodstuff with a long term shelf life based on milk and eggs. 4,877,625, 10-31-89, Cl. 426-250.000.
Dieul, Jean H. L., to Bronzavia Air Equipement. Heat-insulation wall and its application to the building of a heat-insulation device. 4,824,710, 4-25-89, Cl. 428-113.000.
Diez, Andreas: *See—*
Haubennestel, Karl-Heinz; Heilmann, Holger; and Diez, Andreas, 4,857,111, Cl. 106-504.000.
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Differ, Dennis J. Reclosable tamper-proof specimen bottle. 4,854,458, 8-8-89, Cl. 215-253.000.
Difflipp, Kurt; and Ochs, Heinrich, to M.A.N.-Roland Druckmaschinen AG. Shifting gear for the inkbox of a printing press. 4,841,861, 6-27-89, Cl. 101-350.000.
Difflipp, Kurt; and Ochs, Heinrich, to M.A.N. Roland Druckmaschinen AG. Sheet-turning drum in sheet-fed rotary printing presses. 4,846,062, 7-11-89, Cl. 101-411.000.
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Pryor, Timothy R., 4,796,200, Cl. 364-513.000.
Pryor, Timothy R., 4,838,696, Cl. 356-375.000.
Pryor, Timothy R., 4,839,526, Cl. 250-561.000.
Pryor, Timothy R., 4,851,905, Cl. 358-125.000.
Pryor, Timothy R., 4,862,397, Cl. 364-571.010.
Pryor, Timothy R., 4,875,776, Cl. 356-372.000.
Diffrient, Niels, to Howe Furniture Corporation. Table with folding modesty panel. 4,827,850, 5-9-89, Cl. 108-60.000.
Diffrient, Niels, to Howe Furniture Corporation. Table with folding leg. 4,827,851, 5-9-89, Cl. 108-132.000.
Diffrient, Niels, to Howe Furniture Corporation. Quick connect device for table leg. 4,867,610, 9-19-89, Cl. 403-199.000.
DiFiore, Dante. Foundation waterproofing method. 4,877,350, 10-31-89, Cl. 405-38.000.
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DiFrancesco, Louis. Method for cold bonding. 4,804,132, 2-14-89, Cl. 228-115.000.
DiFranco, Jack E. Tennis ball retriever. 4,815,738, 3-28-89, Cl. 273-73.00J.
DiFrank, Frank J.; and Garnes, Richard H., to Owens-Illinois Glass Container Inc. Method and apparatus for applying wrap-around labels to containers. 4,832,774, 5-23-89, Cl. 156-215.000.
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Digangi, Joseph A.; and Call, Daron L. Golf tee platform device. 4,886,276, 12-12-89, Cl. 273-201.000.
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Taub, Floyd, 4,873,187, Cl. 435-5.000.
Diggins, James R. Flange rolling tool. 4,825,676, 5-2-89, Cl. 72-211.000.
Diggle, Brian, to International Computers Limited. Test apparatus for printed circuit boards. 4,820,975, 4-11-89, Cl. 324-158.00F.
Dighe, Shyam V.; Buczkowski, Bradley A.; Peck, Walter J.; Katz, Seymour; and Provis, William H., to Electric Power Research Institute Inc. Replacement of coke in plasma-fired cupola. 4,828,607, 5-9-89, Cl. 75-10.220.
Dighe, Shyam V.; and Taylor, Raymond F., to Electric Power Research Institute Inc. Method of desulfurizing molten metal in a plasma fired cupola. 4,853,033, 8-1-89, Cl. 75-10.220.
Dighe, Shyam V., to Westinghouse Electric Corp. Method of recycling steel belted tires. 4,889,556, 12-26-89, Cl. 75-10.220.
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Digideck, Inc.: *See—*
Weaver, Charles S.; Chittenden, Constance T.; and Conner, Allen B., Jr., 4,882,754, Cl. 381-35.000.
DiGiesi, Anthony L. Computer disk adjustable write protect device. 4,860,142, 8-22-89, Cl. 360-133.000.

DiGiovacchino, David J.; Carlson, Richard A.; Jonas, Rodger H.; and Marion, Sheila, to General Foods Corporation. Pectin gelling composition. 4,800,096, 1-24-89, Cl. 426-577.000.
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Amundsen, Keith B.; Evans, Richard P.; Friess, Richard C.; Sooza, Robert J.; and Zink, Barry C., 4,825,435, Cl. 370-97.000.
Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,825,406, Cl. 364-900.000.
Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,837,675, Cl. 364-200.000.
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Foley, John M.; Piuze, Ronald L.; Larson, Ralph I., Jr.; and Doumani, George, 4,860,824 Cl. 165-165.000.
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Hartwell, David W.; Bloom, Elbert; and Triolo, Victoria M., 4,858,234, Cl. 371-14.000.
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Kaufman, Charles W.; Kempf, Mark F.; and Hutchison, Jerry D., 4,878,219, Cl. 370-97.000.
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  - Watt, Charles R.; Groll, Frederick K.; and Scaramuzzo, John A., Jr., 4,890,172, Cl. 360-77.040.
  - Welch, Glenn S.; Fidrych, Stephen; Romm, Michael; and Maurer, Bernie J., 4,875,880, Cl. 439-536.000.
  - Weng, Lih-Jyh; and Rub, Bernardo, 4,847,705, Cl. 360-49.000.
  - Weng, Lih-Jyh, 4,856,003, Cl. 371-37.000.
  - Weng, Lih-Jyh, 4,866,716, Cl. 371-37.100.
  - Weng, Lih-Jyh, 4,881,075, Cl. 341-87.000.
  - White, Randall A., 4,797,608, Cl. 324-96.000.
  - White, Randall A., 4,837,565, Cl. 340-762.000.
  - Wissell, Daniel, 4,859,952, Cl. 324-538.000.
  - Wolrich, Gilbert M.; McLellan, Edward J.; Yodlowski, Robert A. J.; Badeau, Roy W.; and Kowaleski, John A., Jr., 4,811,272, Cl. 364-788.000.
  - Wolrich, Gilbert M.; McLellan, Edward J.; and Yodlowski, Robert A. J., 4,887,232, Cl. 364-754.000.
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- Digital Instruments, Inc.: *See—*
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  - Weaver, Charles S., 4,841,299, Cl. 341-65.000.
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  - Genna, Sebastian; and Smith, Andrew P., 4,837,439, Cl. 250-368.000.
  - Genna, Sebastian; and Smith, Andrew P., 4,859,852, Cl. 250-363.100.
- Digital Signal Corporation: *See—*
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- di Giulio, Christophe: *See—*
  - Coffre, Eric; Gary, Daniel; di Giulio, Christophe; Loiseau, Gerard; and Torelli, Gerard, 4,836,242, Cl. 137-505.420.
- Di Giuseppe, James. Fill spout. 4,846,380, 7-11-89, Cl. 222-519.000.
- DiGiusseppe, Thomas G.: *See—*
  - Darrah, Shirley D.; DiGiusseppe, Thomas G.; Marram, Edward P.; Kamin, Richard A.; Nowack, Clarence; and Steendal, Rolf, 4,842,410, Cl. 356-357.000.
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  - Shaw, Herbert J.; and Digonnet, Michel J. F., 4,859,016, Cl. 350-96.150.
- DiGrande, John T.: *See—*
  - Bucher, George D.; DiGrande, John T.; Frye, Lester C.; and Stoutamire, Mark S., 4,830,565, Cl. 414-416.000.
- DiGrassi, Paul. Mulch strip. 4,833,822, 5-30-89, Cl. 47-9.000.
- DiGregorio, David; Biesinger, Mark G.; and Riser, Frederick M., to Baker International Corporation. Orbital wastewater treatment system with combined surface aerator and submerged impeller. 4,869,818, 9-26-89, Cl. 210-194.000.
- Di Gregorio, Francesco: *See—*
  - Alberti, Giulio; Bartoli, Francesco; Constantino, Umberto; Di Gregorio, Francesco; and Valentini, Claudio, 4,826,663, Cl. 423-157.000.
- DiGregorio, Germano, to Storage Technology Corporation. Apparatus for assembling magnetic tape drive read/write head modules. 4,854,036, 8-8-89, Cl. 29-744.000.
- Dijk, Arjan V.; and Sie, Swan T., to Shell Oil Company. Catalyst compositions and a process for the preparation therewith of hydrocarbons from synthesis gas. 4,851,451, 7-25-89, Cl. 518-714.000.
- Dijken, Reinder H., to U.S. Philips Corporation. Electrical machine with unequal pole faces. 4,843,270, 6-27-89, Cl. 310-208.000.
- Dijkhuizen, Okko K., to Ucosan B.V. Cleaning device for the piping system of a whirlpool tub outlet valve therefor. 4,856,125, 8-15-89, Cl. 4-543.000.
- Dijkmans, Eise C.: *See—*
  - Schouwenaars, Hendrikus J.; Dijkmans, Eise C.; and Groeneveld, Dirk W. J., 4,859,930, Cl. 323-317.000.
  - Schouwenaars, Hendrikus J.; Dijkmans, Eise C.; and Groereveld, Dirk W. J., 4,864,215, Cl. 323-312.000.
- Dijkshoorn, Jacobus: *See—*
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- Dijksman, Alan M., to Imperial Chemical Industries PLC. Intermediate bulk containers. 4,830,191, 5-16-89, Cl. 206-599.000.
- Dijon, Jean; and LeRoux, Thierry, to Commissariat a l'Energie Atomique. Control means for an integrated memory matrix display and its control process. 4,825,202, 4-25-89, Cl. 340-752.000.
- DiJoseph, John F.: *See—*
  - Mir, Ghulam N.; Borella, Luis E.; DiJoseph, John F.; and Reuter, Gerald L., 4,857,324, Cl. 424-690.000.
- Dikar, S. Coop. Ltda: *See—*
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  - Burton, Edward A.; Dike, Charles E.; and Fletcher, Thomas D. 4,825,108, Cl. 307-475.000.
- Dike Equipment Company: *See—*
  - Dike, John H., Jr., 4,858,503, Cl. 81-45.000.
- Dike, John H., Jr., to Dike Equipment Company. Shingle removing apparatus. 4,858,503, 8-22-89, Cl. 81-45.000.
- Dikoff, Joseph. Cordless iron with high-temperature, non-scorching sole plate surface. 4,856,212, 8-15-89, Cl. 38-93.000.
- Dikopf, Michael: *See—*
  - Kreft, Keith A.; Dikopf, Michael; and Loewe, Thomas D. 4,795,979, Cl. 324-379.000.
- Di Leo, Vincenzo. Filtering case for separating a liquid from a solid, in particular for dehydrating slurries from industrial processes 4,851,132, 7-25-89, Cl. 210-770.000.
- Dilich, Michael A., to Triodyne, Inc. Safety mechanism for vertical closure. 4,813,305, 3-21-89, Cl. 74-581.000.
- Dilk, Mark A.: *See—*
  - Toutant, Roy T.; Perry, David S.; Brennan, Michael A.; Kreko, James E.; and Dilk, Mark A., 4,878,368, Cl. 72-9.000.
- Dill, Bernd: *See—*
  - Frey, Christian; and Dill, Bernd, 4,825,005, Cl. 568-657.000.
- Dill, Hans G.; and Lillington, David R., to Spectrolab, Inc. Controlled reflectance solar cell. 4,838,952, 6-13-89, Cl. 136-256.000.
- Dill, Michael J., to General Signal Corporation. Ramp/roller slack adjuster. 4,867,283, 9-19-89, Cl. 188-196.00D
- Dill Products Incorporated: *See—*
  - Bullard, Peter H., 4,824,404, Cl. 439-752.000.
- Dill, Walter R.; and Walker, Michael L., to Halliburton Company. Compositions and method for controlling precipitation when acidizing sour wells. 4,888,121, 12-19-89, Cl. 252-8.553.
- Dillard, David P.; and Baldi, Alfonso L., to Alloy Surfaces Company, Inc. Pyrophoric material with metal skeleton. 4,815,386, 3-28-89, Cl. 102-364.000.
- Dillard, Guy W.: *See—*
  - Rush, James B.; Bryan, James S.; Gunter, Jonas L.; Dillard, Guy W.; Meadows, Roger D.; and Henry, Pearison W., 4,887,851, Cl. 285-158.000.
- Dillard, Homer E.; VanHoogstrate, John A.; and Muffler, Ronald J., to McDonnell Douglas Corporation. Schlieren color television image aperturing device. 4,814,866, 3-21-89, Cl. 358-60.000.
- Dillard, Robert D.: *See—*
  - Carr, F. Patrick; Dillard, Robert D.; Marshall, Winston S.; and McCullough, Doris E., 4,820,722, Cl. 514-381.000.
  - Carr, F. Patrick; Dillard, Robert D.; and McCullough, Doris E. 4,853,398, Cl. 514-381.000.
  - Carr, F. Patrick; Dillard, Robert D.; and McCullough, Doris E. 4,874,777, Cl. 514-381.000.
- Dillenburg, Peter A.: *See—*
  - Franzel, Patricia E.; Goldsworthy, Charles S.; Dillenburg, Peter A.; and Hall, James H., Jr., 4,825,123, Cl. 313-452.000.
- Diller, Marilyn J., legal representative: *See—*
  - Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi 4,849,501, Cl. 528-353.000.
- Diller, Richard D., deceased (by Diller, Marilyn J., legal representative); Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M. Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, to International Business Machines Corporation. Polyimide coating compositions based on meta-dialkyldihydrogen pyromellitate and aromatic diamines. 4,849,501, 7-18-89, Cl. 528-353.000.
- Dilley, David L.: *See—*
  - Klekotka, James E.; and Dilley, David L., 4,856,032, Cl. 377-47.000.
  - Ruben, Paul W.; Heimbecher, Eugene F., II; and Dilley, David L. 4,855,946, Cl. 364-721.000.
- Dilley, Jeanette: *See—*
  - Levy, Ronald; Dilley, Jeanette; Maloney, David G.; and Miller, Richard A., 4,816,249, Cl. 424-85.800.
- Dilley, William G.: *See—*
  - Cance, William G.; Davie, Joseph M.; Wells, Samuel A., Jr.; Dilley, William G.; Welch, Michael J.; and Morrissey, Jeremiah J., IV, 4,864,020, Cl. 530-387.000.
- Dillier, Justin M.; and Clark, Richard H., to Chevron Research Company. Downhole temperature measurements. 4,811,598, 3-14-89, Cl. 73-154.000.
- Dilling, Peter; DelliColli, Humbert T.; and Davis, James E., to Westvaco Corporation. Amine salts of lignosulfonates. 4,797,157, 1-10-89, Cl. 106-20.000.
- Dillinger, Bill R. Gas lamp and control thereof. 4,830,606, 5-16-89, Cl. 431-255.000.
- Dillingham Construction, Ltd.: *See—*
  - Munro, Roderick L.; and Weilgut, R. John, 4,830,537, Cl. 405-179.000.
- Dillman, Norman G., to Hewlett-Packard Company. Transistor amplifier for high slew rates and capacitive loads. 4,881,045, 11-14-89, Cl. 330-253.000.
- Dillmann, Hans-Georg; and Martinsteg, Hans, to Kernforschungszentrum Karlsruhe GmbH. Gas discharge system for the safety containment of a nuclear reactor. 4,865,803, 9-12-89, Cl. 376-314.000.

- Dillner, James: *See—*
  - Anscher, Joseph A.; and Dillner, James, 4,878,269, Cl. 24-115.00G.
- Dillner, James M.; and Saint, Nathanael, to Graco Metal Products, Inc. Foldable playyard. 4,811,437, 3-14-89, Cl. 5-99.00B.
- Dillon, Benny N.; Williams, James F.; Niese, Leo J.; and Helle, Amiel R., to Masstron Scale, Inc. Scale assembly. 4,800,971, 1-31-89, Cl. 177-134.000.
- Dillon, Benny N.; Griffen, Neil C.; and Weihs, Mark E., to Toledo Scale Corporation. Load cell. 4,815,547, 3-28-89, Cl. 177-25.140.
- Dillon, George A.; and Van Mastrigt, Max, to Dillon/Quality Plus, Inc. Shoulder strength adduction device. 4,886,073, 12-12-89, Cl. 128-774.000.
- Dillon, Harvey A. Hearing aid amplification method and apparatus. 4,803,732, 2-7-89, Cl. 381-68.200.
- Dillon, Jerry J.: *See—*
  - Muse, Joel; Grimm, Donald C.; Dillon, Jerry J.; Cottman, Kirkwood S.; and Bennett, Calvin A., 4,847,313, Cl. 324-291.000.
- Dillon, John A., to Automotive Prototypes & Equipment. Mounting system for equipment in police vehicles. 4,818,010, 4-4-89, Cl. 296-37.700.
- Dillon, John L.; and Spector, Richard H., to Bristol-Myers Company. Process intermediate for the preparation of encainide. 4,800,226, 1-24-89, Cl. 546-338.000.
- Dillon, Joseph J., Jr.: *See—*
  - Eckenrode, Robert T.; and Dillon, Joseph J., Jr., 4,796,494, Cl. 81-484.000.
- Dillon, Mark E., to Bio Med Sciences, Inc. Semi-interpenetrating network polymer backsheet bandage. 4,832,009, 5-23-89, Cl. 128-156.000.
- Dillon, Mark E., to Bio Med Sciences, Inc. Composite macrostructure of ceramic and organic biomaterials. 4,849,285, 7-18-89, Cl. 428-330.000.
- Dillon, Mark E., to Bio Med Sciences, Inc. Process of producing a composite macrostructure of organic and inorganic materials. 4,859,383, 8-22-89, Cl. 264-43.000.
- Dillon/Quality Plus, Inc.: *See—*
  - Dillon, George A.; and Van Mastrigt, Max, 4,886,073, Cl. 128-774.000.
- Dillon, Raymond J. Safety tie down bar hand grip system. 4,873,742, 10-17-89, Cl. 16-111.00R.
- Dillon, Robert F.; and Warde, Cardinal, to Optron Systems, Inc. Completely cross-talk free high spatial resolution 2D bistable light modulation. 4,800,263, 1-24-89, Cl. 250-213.00R.
- Dillon, Robert F.; and Warde, Cardinal, to Optron Systems, Inc. Low-cost, substantially cross-talk free high spatial resolution 2-D bistable light modulator. 4,822,993, 4-18-89, Cl. 250-213.00R.
- Dillon, Robert F.; and Warde, Cardinal, to Optron Systems, Inc. High spatial resolution 2-D bistable light modulator. 4,851,659, 7-25-89, Cl. 250-213.0VT.
- Dillon, Robert F.: *See—*
  - Warde, Cardinal; Dillon, Robert F.; and Hill, Brian A., 4,863,759, Cl. 427-108.000.
- Dillon, William F., Jr.: *See—*
  - Gaiser, Robert F.; Crumb, Donald A.; and Dillon, William F., Jr., 4,815,292, Cl. 60-534.000.
- Dilmanian, F. Avraham: *See—*
  - Inbar, Dan; Dilmanian, F. Avraham; and Berlad, Gideon, 4,864,594, Cl. 378-5.000.
- DiLorenzo, Ralph N.: *See—*
  - Hall, Keith; Esvang, Robert L., Jr.; and DiLorenzo, Ralph N., 4,834,621, Cl. 417-297.000.
- Dilouya, Gilbert, to Cibie Projecteurs. Shallow indicator light for a motor vehicle. 4,823,246, 4-18-89, Cl. 362-328.000.
- Dils, Ray R.; and Winslow, Alan K., to Accufiber, Inc. Method and apparatus for determining temperature in a blackbody radiation sensing system. 4,845,647, 7-4-89, Cl. 364-557.000.
- DiLullo, John D. Motion sensor. 4,832,050, 5-23-89, Cl. 128-782.000.
- DiLullo, Robert J.: *See—*
  - Bourland, Larry G.; DiLullo, Robert J.; Ritrievi, Kimberly E.; and Valbert, Jon R., 4,855,179, Cl. 428-296.000.
- DiLuzio, Nicholas M., legal representative: *See—*
  - Williams, David L.; Browder, I. William; and DiLuzio, Nicholas R., deceased, 4,818,752 Cl. 514-54.000.
- DiLuzio, Nicholas R., to Bioglucans, L. P. Soluble phosphorylated glucan. 4,877,777, 10-31-89, Cl. 514-54.000.
- DiLuzio, Nicholas R., deceased: *See—*
  - Williams, David L.; Browder, I. William; and DiLuzio, Nicholas R., deceased, 4,818,752, Cl. 514-54.000.
- Dilworth, James L.; and Brinks, Robert J., to Nubs Nob, Inc. Lift mounted snowmaker. 4,823,518, 4-25-89, Cl. 52-40.000.
- Dima, Attila: *See—*
  - Katz, Carlos; Dima, Attila; and Bier, Bruce, 4,822,952, Cl. 174-73.100.
  - Katz, Carlos; and Dima, Attila, 4,863,541, Cl. 156-158.000.
- Dima S.R.L.: *See—*
  - Aldrovandi, Claudio, 4,848.219, Cl. 99-455.000.
- DiMaggio, Joseph T.; and DeMaggio, Marina A. Method and apparatus for serving and displaying food. 4,840,253, 6-20-89, Cl. 186-49.000.
- DiMaio, Anthony: *See—*
  - Duffy, Richard J.; DiMaio, Anthony; and Sessa, Eugene D., 4,888,214, Cl. 427-183.000.
- Dimaio, James V. Bicycle support stand. 4,834,405, 5-30-89, Cl. 280-301.000.
- Di Maio, William G.: *See—*
  - Benin, Joshua; Di Maio, William G.; and Morin, Carl F., 4,848,917, Cl. 366-208.000.
- Dimanshteyn, Felix, to Firestop Chemical Corporation. Fire protected foamed polymeric materials. 4,871,477, 10-3-89, Cl. 252-609.000.
- Dimantoglou, Michael; and Kuhne, Helmut, to Akzo N.V. Biocompatible cellulose dialysis membrane with increased adsorption of beta-2-microglobulin. 4,872,983, 10-10-89, Cl. 210-500.290.
- DiMarchi, Richard D.; and Long, Harlan B., to Eli Lilly and Company. Process for reducing methionine sulfoxide residues in peptides or proteins. 4,835,254, 5-30-89, Cl. 530-345.000.
- DiMarco, Brian: *See—*
  - de Jong, Michael; and DiMarco, Brian, 4,807,957, Cl. 350-96.210.
- DiMarco, Brian A.; and Beatty, Johnny W., to Siecor Corporation. Optical connector. 4,867,525, 9-19-89, Cl. 350-96.200.
- DiMarco, Brian A.: *See—*
  - Beatty, Johnny W.; and DiMarco, Brian A., 4,799,760, Cl. 350-96.230.
- DiMargio, Nick A.: *See—*
  - Humble, Walter P., Durkos, John C.; DiMargio, Nick A.; Cortell, Dominick J.; and Syak, Charles W., 4,838,523, Cl. 256-13.100.
- DiMartino, Paul J. Spike stand for compound archery bows. 4,846,140, 7-11-89, Cl. 248-360.000.
- DiMartino, Stephen P., to Air Products and Chemicals, Inc. Vacuum swing adsorption process with vacuum aided internal rinse. 4,857,083, 8-15-89, Cl. 55-26.000.
- DiMartino, Stephen P., Sr.; Hopkins, Jeffrey A.; and Davis, Ruth A., to Air Products and Chemicals, Inc. Membrane unit turn-down control system. 4,857,082, 8-15-89, Cl. 55-16.000.
- DiMarzio, Frank; and Mitman, David, to Dopaco, Inc. Carton former. 4,861,325, 8-29-89, Cl. 493-124.000.
- DiMarzio, Frank: *See—*
  - Stearns, Norman K.; Wagoner, William K.; Long, Randy; and DiMarzio, Frank, 4,832,675, Cl. 493-128.000.
- di Marzo Veronese, Fulvia: *See—*
  - Sarngadharan, Mangalasseril G.; di Marzo Veronese, Fulvia; and Gallo, Robert C., 4,843,011, Cl. 435-240.270.
- DiMassimo, Virgil; and Gelbien, Mark J., to Fonar Corporation. Air flotation patient bed. 4,805,626, 2-21-89, Cl. 128-653.000.
- DiMatteo, Paul; Chubb, Charles F.; and Senator, Stewart, to Nova Technologies Inc. Invalid transfer arrangement. 4,796,313, 1-10-89, Cl. 5-81.00R.
- DiMatteo, Paul; Chubb, Charles F.; and Segnini, Robert, to Nova Technologies, Inc. Person transfer arrangement. 4,813,088, 3-21-89, Cl. 5-81.00R.
- DiMatteo, Paul; Chubb, Charles F.; and Segnini, Robert, to Nova Technologies Inc. Invalid transfer arrangement. 4,819,283, 4-11-89, Cl. 5-81.00R.
- DiMatteo, Paul; Chubb, Charles F.; and Segnini, Robert, to Nova Technologies, Inc. Invalid transfer arrangement. 4,821,352, 4-18-89, Cl. 5-81.00R.
- DiMatteo, Paul; and Segnini, Robert, to Nova Technologies, Inc. Patient transfer arrangement. 4,837,872, 6-13-89, Cl. 5-60.000.
- DiMatteo, Paul; and Chubb, Charles F., to Med Bed Technologies, Inc. Reclinable wheelchair apparatus. 4,837,873, 6-13-89, Cl. 5-81.00R.
- DiMatteo, Paul: *See—*
  - Vaiana, Joseph G.; DiMatteo, Paul; and Chubb, Charles F., 4,797,960, Cl. 5-81.00R
- DiMauro, Thomas M.: *See—*
  - Lichtin, Norman N.; DiMauro, Thomas M.; and Svrluga, Richard C., 4,861,484, Cl. 210-638.000.
- Dimberio, Donald J. Beverage container cover. 4,852,763, 8-1-89, Cl. 220-253.000.
- Dimed, Inc.: *See—*
  - Elliott, Clyde D., 4,813,930, Cl. 604-53.000.
  - Elliott, Clyde D., 4,858,611, Cl. 128-419.00P.
  - Elliott, Clyde D.; and Cohen, Donald M., 4,884,567, Cl. 128-303.00R.
- DiMeglio, Paul J., to Peau Corporation, The. Nail oil composition. 4,810,498, 3-7-89, Cl. 424-195.100.
- Dimension Industries, Inc.: *See—*
  - Brumm, Curtis; Ernst, Randi; and Rogalla, Lyle H., 4,820,365, Cl 156-109.000.
- Dimension Technologies, Inc.: *See—*
  - Eichenlaub, Jesse B., 4,829,365, Cl. 358-3.000.
- Dimensions Unlimited, Inc.: *See—*
  - Getter, Dennis L., 4,872,102, Cl. 363-141.000.
- Dimick, Keene P. Electric warm air mirror defogging device. 4,882,467, 11-21-89, Cl. 219-219.000.
- Dimier, Gerard: *See—*
  - Daude, Gerard; Bravet, Jean-Louis; Moncheaux, Michel; Drujon, Sylvie; and Dimier, Gerard, 4,830,806, Cl. 264-216.000.
- Dimier, Jean-Pierre, to Salomon, S.A. Emergency ski boot removal device. 4,813,719, 3-21-89, Cl. 280-618.000.
- Dimier, Jean-Pierre: *See—*
  - Gallet, Yvon; and Dimier, Jean-Pierre, 4,869,525, Cl. 280-636.000.
- Dimigen, Heinz; and Hubsch, Hubertus, to U.S. Philips Corporation. Dry lubricated bearing. 4,828,728, 5-9-89, Cl. 252-12.000.
- Dimitri, Kamal E.; Hassner, Martin A.; and Siegel, Paul H., to International Business Machines Corporation. Modified sliding block code for limiting error propagation. 4,882,583, 11-21-89, Cl. 341-59.000.
- Dimitrijevic, Peter: *See—*
  - Fishkin, Theodore S.; Skidmore, Mark; and Dimitrijevic, Peter, 4,884,078, Cl. 342-360.000.
- Dimitriou, Theodore: *See—*
  - Chang, John C. H.; and Dimitriou, Theodore, 4,846,502, Cl. 283-57.000.
- Dimitriu, Paul; Boyajian, John; Fils, Isaac; and Sanchez, George. Hair rinsing basin. 4,817,218, 4-4-89, Cl. 4-515.000.

Dimitrov, Boris K.: *See—*
Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.

Dimitrov, Dimith T.; Matjukhina, Ljudimila I.; Mikhalev, Alexandr S.; and Chushenkov, Igor M., to Belorussky Gosudarstvenny Universitet imeni V.I. Lenina. System for remote transmission of angular position and force between master and slave shafts. 4,888,538, 12-19-89, Cl. 318-675.000.

Dimmick, Gary S.; and Lockerman, Scott G., to Lockman Products Company, Inc. Locking device. 4,805,426, 2-21-89, Cl. 70-14.000.

Dimmick, Gary S., to Lockman Products Co. Inc. Personal locking device. 4,817,403, 4-4-89, Cl. 70-69.000.

Dimmick, Gary S.; and Lockerman, Scott G. Golf club grip attachment for identification and ball position marking. 4,822,052, 4-18-89, Cl. 273-162.00D.

Dimmick, John H., III; and Jorgensen, Stephen W., to United Technologies Corporation. Bolt retention apparatus. 4,887,949, 12-19-89, Cl. 411-121.000.

Dimmler, Klaus; and Eaton, S. Sheffield, Jr., to Ramtron Corporation. Memory cell with volatile and non-volatile portions having ferroelectric capacitors. 4,809,225, 2-28-89, Cl. 365-145.000.

Dimmock, Ivan H., to BAJ Limited. Dual gas pressure vessel. 4,805,796, 2-21-89, Cl. 220-89.00A.

Dimon, James A. Self-cleaning rake. 4,850,185, 7-25-89, Cl. 56-400.100.

Dimond, James; and Swackhammer, William, to Harco Technologies Corporation. Apparatus for cathodically protecting reinforcing members and method for installing same. 4,812,212, 3-14-89, Cl. 204-147.000.

Dimopoulos, George: *See—*
Makris, Luke; and Dimopoulos, George, 4,877,132, Cl. 206-364.000.

Dimos, Duane: *See—*
Garg, Diwakar; Dyer, Paul N.; Schaffer, Leslie E.; Wrecsics, Ernest L.; Dimos, Duane; and Mueller, Carl F., 4,855,188, Cl. 428-627.000.
Garg, Diwakar; Dyer, Paul N.; and Dimos, Duane, 4,873,152, Cl. 428-627.000.

Din, Shahid Q.: *See—*
Aid, James D.; Din, Shahid Q.; and Hopping, Andrew D., 4,821,761, Cl. 137-101.210.

Dinagraphics, Inc.: *See—*
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Dinan, Raymond F.; Dubil, James F.; Malin, Jerald R.; Rodite, Robert R.; Rohe, Clair F.; and Rohrer, Gene D., to International Business Machines Corporation. Document image processing system. 4,888,812, 12-19-89, Cl. 382-7.000.

DiNardo, John T., to Chrysler Motors Corporation. Gas cylinder locking mechanism. 4,871,083, 10-3-89, Cl. 220-23.400.

Dinas, Thomas J.: *See—*
Murphy, John F.; Barton, William M., Jr.; Jacobs, Lynn C.; McGee, Jeffrey S.; Netzeband, William F.; Johnson, Roger S.; and Dinas, Thomas J., 4,809,099, Cl. 360-95.000.

Dinatale, Ernest L.; and Roller, George J., to Xerox Corporation. Duplex document handler. 4,884,794, 12-5-89, Cl. 271-3.000.

DiNatale, Ernest L.: *See—*
Walsh, Frank R.; DiNatale, Ernest L.; and Morgan, Thomas W., 4,831,420, Cl. 355-203.000.

Di Natale, Giuseppe: *See—*
Storti, Sandro; Rossi, Dominico; and Di Natale, Giuseppe, 4,810,902, Cl. 307-446.000.

Diner, Daniel B., to United States of America, National Aeronautics and Space Administration. Television monitor field shifter and an opto-electronic method for obtaining a stereo image of optimal depth resolution and reduced depth distortion on a single screen. 4,819,064, 4-4-89, Cl. 358-88.000.

Dinerman, Alex, to Cincinnati Milacron, Inc. Anti-backflow valve for injection molding machines. 4,850,851, 7-25-89, Cl. 425-562.000.

Dinerstein, Sidney F., to JES Associates, Inc. Credit check scanner data analysis system. 4,872,113, 10-3-89, Cl. 364-401.000.

Dines, David M.; and Warren, Russel. Modular shoulder prosthesis. 4,865,605, 9-12-89, Cl. 623-19.000.

Dines, Elaine, legal representative: *See—*
Schramm, Charles M.; Lane, Robert H.; and Dines, Martin B., deceased, 4,853,358, Cl. 502-167.000.

Dines, Martin B., deceased: *See—*
Schramm, Charles M.; Lane, Robert H.; and Dines, Martin B., deceased, 4,853,358, Cl. 502-167.000.

Dinev, Kostadin J.: *See—*
Zapryanov, Yordan D.; Boyadjiev, Dimcho I.; Mladenov, Desho I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadin B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michail P.; and Kolev, Kolyo E., 4,814,993, Cl. 364-442.000.

Ding, Gustav L. P.: *See—*
Nagy, Gabor S.; Akeson, Richard C.; Sweenie, Richard E.; Novak, Mark E.; Malsch, Harry K.; Widule, Thomas J.; Ding, Gustav L. P.; and Jackson, Jared K., 4,882,930, Cl. 73-56.000.

Ding, Jaulin: *See—*
Rosenfeld, Yechiel; Kahhan, Larry; and Ding, Jaulin, 4,817,137, Cl. 379-377.000.

Ding, Kurt; Knoell, Hartwig; Wenzl, Josef; and Biebl, Hermann, to MTU of Postfach. Capacitive measuring system for measuring the distance between two relatively movable parts. 4,804,905, 2-14-89, C 324-61.00P.

Ding, Kurt; Knoell, Hartwig; Wenzl, Josef; and Biebl, Hermann, t MTU Motoren- und Turbinen-Union Munchen GmbH. Capacitive measuring system for measuring the distance between two relatively movable parts. 4,823,071, 4-18-89, Cl. 324-61.00R.

Dingeldein, Elvira; Wahlig, Helmut; Wotschokowsky, Manfred; and Moddelmog, Gunter, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Tricalcium phosphate for implant materials wherein the pores of the tricalciumphosphate are filled with antibiotic and am acid. 4,869,906, 9-26-89, Cl. 424-423.000.

Dingeldein, Elvira: *See—*
Wahlig, Helmut; and Dingeldein, Elvira, 4,797,282, C 424-422.000.
Wahlig, Helmut; Dingeldein, Elvira; Rothe, Johannes; and Stille, Wolfgang, 4,853,225, Cl. 424-423.000.

Dingeman, David L.; and Hendrickson, Christine E., to Cathex Tra Corporation. Catheter tube carrying device and method. 4,888,00 12-19-89, Cl. 604-326.000.

Dinger, Bruce R.; McClanahan, Mark R.; Quinn, David B.; and Kennard, Frederick, to General Motors Corporation. Apparatus for measuring grinding forces on ceramic parts. 4,860,499, 8-29-89, C 51-165.740.

Dinger, Timothy R.: *See—*
Thomas, Gareth; Johnson, Sylvia M.; and Dinger, Timothy R. 4,830,800, Cl. 264-65.000.

Dinger, William A., to Rexnord Inc. Locking wedge apparatus for printed circuit board. 4,824,303, 4-25-89, Cl. 411-79.000.

Dinges, Hans P.: *See—*
Zatloukal, Kurt; and Dinges, Hans P., 4,850,373, Cl. 128-749.000.

Dinges, Ray. Method for application of wastewater to plants for improved wastewater treatment. 4,872,985, 10-10-89, Cl. 210-602.000.

Dingess, Billy E. Power booster internal combustion engine flywheel. 4,854,274, 8-8-89, Cl. 123-192.00R.

Dingfelder, Howard E.: *See—*
Smith, Donald A.; Carter, William H.; Dingfelder, Howard E.; Burgess, Dale L.; and Gates, Alan B., 4,879,808, Cl. 29-845.000.

Dingle, Donald A.: *See—*
Roy, Bernard J. J.; O'Connor, Lorne D.; Rioux, Phillipe F.; Dingle, Donald A.; and Raymond, Andre L., 4,843,462, Cl. 358-108.000.
Roy, Bernard J. J.; O'Connor, Lorne D.; Rioux, Philippe F.; Dingle, Donald A.; and Raymond, Andre L., 4,876,597, C 358-141.000.

Dingle, Larry A., to Laser Precision Corporation. Spectrometer system having interconnected computers at multiple optical heads. 4,888,714 12-19-89, Cl. 364-525.000.

Dingler, Geoffrey L.: *See—*
Bertsch, Roger J.; Jarvis, Wilbur W.; and Dingler, Geoffrey L. 4,848,382, Cl. 134-111.000.

Dingler, Gerhard. Assembly for prefabricated formwork. 4,881,71 11-21-89, Cl. 249-192.000.

Dingler, Hermann P. A., to Xomox Corporation. Valve seat retainer 4,813,650, 3-21-89, Cl. 251-360.000.

Dingwall, Andrew G. F., to Harris Semiconductor Patents, Inc. Digital to analog converter with switch function compensation. 4,833,47 5-23-89, Cl. 341-154.000.

Dinh Company Inc.: *See—*
Dinh, Khanh, 4,827,733, Cl. 62-305.000.

Dinh, Khanh, to Dinh Company Inc. Indirect evaporative cooling system. 4,827,733, 5-9-89, Cl. 62-305.000

Dinitz, Arthur M.; and Ozeroff, Shepard C., to Transpo Industries, Inc. Universal safety lifting device. 4,826,228, 5-2-89, Cl. 294-81.560.

Dinitz, Richard E. F.: *See—*
Barstow, David R.; Barth, Paul S.; and Dinitz, Richard E. F. 4,827,404, Cl. 364-200.000.

Dinizo, Stephen E.; and Gless, Richard D., Jr., to ICI Americas Inc. Production of 2-nitro-4-trifluoromethylbenzoic acid. 4,866 9-19-89, Cl. 562-438.000.

Dinizo, Stephen E., to ICI Americas Inc. Process for the production of ortho-nitrobenzonitriles. 4,886,936, 12-12-89, Cl. 558-343.000.

Dinkel, Bernhard: *See—*
Gelain, Silvano; and Dinkel, Bernhard, 4,851,261, Cl. 427-195.00

Dinkel, Emil; Mann, Bernd; Prieser, Gunter; and Schneyer, Gerhard, to Brose Fahrzeugteile GmbH & Co. KG. Adjusting gear in motor vehicles. 4,799,403, 1-24-89, Cl. 74-788.000.

Dinkel, Emil: *See—*
Barros, Manuel; Rampel, Hans; Dinkel, Emil; Klink, Josef; and Maier, Ulrich, 4,834,456, Cl. 297-403.000.

Dinkelmann, Friedrich; and Wolf, Horst, to Zinser Textilmaschinen GmbH. Apparatus for ventilating an electric motor for textile spinning mill machines. 4,853,566, 8-1-89, Cl. 310-59.000.

Dinkelmann, Friedrich: *See—*
Halder, Ernst; Dinkelmann, Friedrich; Buder, Robert; Fuchs, Uwe; Horak, Dieter; and Schafer, Hans-Heinz, 4,825,634, C 57-305.000.
Halder, Ernst; Dinkelmann, Friedrich; and Buder, Robert, 4,845,938, Cl. 57-305.000.
Stadele, Norbert; Grollmann, Thomas; and Dinkelmann, Friedrich, 4,862,686, Cl. 57-1.00R.

Dinkha, Brian I.; Jasa, Paul B.; Seegmiller, Brian; and Simmons, Al C., to Coors Porcelain Company. Ceramic munitions projectile. 4,850,278, 7-25-89, Cl. 102-501.000.

Dinnan, James A.; and Dinnan, Joseph A., to Meta-C Corporation. Electronic musical instrument employing tru-scale interval system for prevention of overtone collisions. 4,860,624, 8-29-89, Cl. 84-1.01

Dinnan, Joseph A.: *See—*
Dinnan, James A.; and Dinnan, Joseph A., 4,860,624, Cl. 84-1.010.

Dinneen, Maurice J., to Corporation of the City of Toronto, The. Vehicle for curbside collection of source separated recyclable materials. 4,840,531, 6-20-89, Cl. 414-409.000.

Dinnissen, Johannes H. A.: *See—*
Jacobs, Gerardus M. H. M.; and Dinnissen, Johannes H. A., 4,877,231, Cl. 271-3.100.

D'Innocencio, Joseph: *See—*
Transue, James A.; Pynn, John N.; D'Innocencio, Joseph; Thomas, Michael S.; and Gertzman, Arthur A., 4,799,481, Cl. 128-325.000.

Dinol International Aktiebolag: *See—*
Hermansson, Klas G. I., 4,842,200, Cl. 239-263.000.

DiNovi, Michael J.; Rafka, Robert J.; Friedman, Mark I.; and Tordoff, Michael G., to Monell Chemical Senses Center. 2,5-anhydro-1,6-dihalo-1,6-dideoxy-D-mannitol. 4,871,776, 10-3-89, Cl. 514-738.000.

DiNovi, Michael J.: *See—*
Friedman, Mark I.; Tordoff, Michael G.; DiNovi, Michael J.; and Rafka, Robert J., 4,808,626, Cl. 514-738.000.

DiNovo, Salvatore T.; Schlaechter, John; and Brown, Roy S., to Guild Associates, Inc. Cryo-refrigeration system. 4,850,199, 7-25-89, Cl. 62-114.000.

Dinsdale, John C.: *See—*
Gaynor, Edwin; and Dinsdale, John C., 4,799,896, Cl. 439-232.000.

Dinsdale, Michael C., to National-Oilwell. Apparatus for making and breaking threaded well pipe connections. 4,843,945, 7-4-89, Cl. 81-57.340.

Dinse, Merle L.: *See—*
Klapproth, Kenneth H.; Blimmel, William C.; and Dinse, Merle L., 4,856,963, Cl. 415-190.000.

Dinslage, Wilfried. Bulk container and method of manufacturing and preparing same. 4,836,418, 6-6-89, Cl. 222-82.000.

Dinsmore, William R.: *See—*
Johnson, Robert E.; Dinsmore, William R.; and Hunt, Christopher I., 4,848,028, Cl. 47-57.500.
Johnson, Robert E.; and Dinsmore, William R., 4,854,074, Cl. 47-57.500.

Dinter, Peter, to Hoechst Aktiengesellschaft. Roll electrode and device for pretreating the surfaces of film webs by means of electrical corona discharge. 4,839,517, 6-13-89, Cl. 250-325.000.

Dinter, Peter: *See—*
Paschke, Klaus; Crass, Guenther; and Dinter, Peter. 4,875,963, Cl. 156-249.000.

Dinter, Wolfgang. Latent heat store. 4,849,121, 7-18-89, Cl. 252-70.000.

Dinwoodie, John; Stacey, Martyn H.; Taylor, Michael D.; and Walker, Andrew M., to Imperial Chemical Industries PLC. Fibre-reinforced metal matrix composites. 4,818,633, 4-4-89, Cl. 428-614.000.

Dinwoodie, Robert C.: *See—*
Mehnert, David W.; and Dinwoodie, Robert C., 4,798,798, Cl. 435-289.000.

Dion, Donald D. Motorized mail cart. 4,878,554, 11-7-89, Cl. 180-19.300.

Dion, Paul A.; and Dair, Roderick L., to Polymetallurgical Corporation. Solid phase edge bonding of metal strips. 4,798,932, 1-17-89, Cl. 219-118.000.

Dion, Peter R. Louvered sunglasses. 4,869,584, 9-26-89, Cl. 351-45.000.

Dionex Corporation: *See—*
Tullsen, Thomas R., 4,839,788, Cl. 363-63.000.

Dionne, Arthur F.: *See—*
Orenstein, Richard A.; and Dionne, Arthur F., 4,839,416, Cl. 524-558.000.

Dionne, Earl G. Inline filter. 4,863,591, 9-5-89, Cl. 210-94.000.

Dionne, Gerald L.: *See—*
Hipple, James E.; Dionne, Gerald L.; Torii, Yasuhiro; Shimada, Masaru; and Watanabe, Iwao, 4,883,968, Cl. 250-423.00R.

Dionne, Pierre: *See—*
Dionne, Pierre A., 4,883,179, Cl. 206-523.000.

Dionne, Pierre A., to Dionne, Pierre; and Southeast Foam Converting & Packaging, Inc., a part interest. Angled packing material. 4,883,179, 11-28-89, Cl. 206-523.000.

Dionne, Roland A., to Beliveau, Robert N. Fishing seat. 4,879,963, 11-14-89, Cl. 114-363.000.

Diosady, Levente L.; Rubin, Leon J.; and Tar, Csaba G., to University of Toronto Innovations Foundation, The. Extraction of particulate materials. 4,859,371, 8-22-89, Cl. 260-412.400.

Diosady, Levente L.; Rubin, Leon J.; and Tzeng, Yew-Min, to University of Toronto Innovations Foundation, The. Production of rapeseed protein materials. 4,889,921, 12-26-89, Cl. 530-377.000.

Dioszegi, Erzsebet: *See—*
Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.

Diot, Jean-Claude; and Girardin, Roger, to Charmilles Technologies S.A. Device and process for machining by electroerosion. 4,888,462, 12-19-89, Cl. 219-69.200.

Diotec Trust, Trustees of the: *See—*
Gre[illegible]ry, William D., 4,881,025, Cl. 324-61.00R.

Di Pa[illegible]nis: *See—*
C[illegible], Francois; Di Paola, Denis; Austruy, Georges; and Vin[illegible], Andre, 4,875,850, Cl. 431-8.000.

Di Pasquale, Sebastiana: *See—*
Corigliano, Francesco; Di Pasquale, Sebastiana; Primerano, Patrizia; and Zipelli, Cesare, 4,814,150, Cl. 423-67.000.

DiPerna, Paul M., to Teradyne, Inc. Test pin assembly for circuit board tester. 4,884,024, 11-28-89, Cl. 324-158.00F.

DiPersio, Richard D.; and Cobern, Martin E., to Teleco Oilfield Services Inc. Method for measurement of azimuth of a borehole while drilling. 4,813,274, 3-21-89, Cl. 73-151.000.

DiPietro, Richard A.; Tu, Jan-I; and Turabi, Noor Z., to E. R. Squibb & Sons, Inc. Derivatives of pravastatin for inhibiting cholesterol biosynthesis. 4,857,522, 8-15-89, Cl. 514-212.000.

DiPirro, Steven D.: *See—*
Newman, Bruce E.; White, Randall A.; and DiPirro, Steven D., 4,860,292, Cl. 371-32.000.
Newman, Bruce E.; and DiPirro, Steven D., 4,862,355, Cl. 364-200.000.

Dipl.-Ing. Bruno Richter GmbH & Co.: *See—*
Brand, Bernhard; and Richter, Bruno, 4,822,171, Cl. 356-382.000.

Dipl.-Ing. Ernst Kreiselmaier GmbH & Co. Wasser: *See—*
Kreiselmaier, Richard, 4,795,662, Cl. 427-230.000.

Dipl. Ing. Hitzinger Gesellschaft mbH: *See—*
Platzer, Hubert; and Roland, Helmut, 4,825,138, Cl. 318-716.000.

Dipl.-Ing. Karl Rekers Maschinenbau, Firma: *See—*
Rekers, Karl, 4,799,724, Cl. 294-87.260.

Dipl. Ing. Laempe GmbH: *See—*
Laempe, Joachim, 4,828,461, Cl. 417-132.000.

Dipl. -Ing. Manfred Beer: *See—*
Frantl, Erich; Hofstatter, Peter; Zemler, Willibald; Raunicher, Albert P.; and Frantl, Werner, 4,822,198, Cl. 403-170.000.

Dipole Electronics Co., Ltd.: *See—*
Maeno, Yorihiko; and Higashi, Shigeyasu, 4,890,054, Cl. 324-58.50A.

Dippel, Hans-Jurgen, to MWB Messwandler-Bau AG. Device for shading spaces. 4,835,918, 6-6-89, Cl. 52-63.000.

Dippel, Stephanie A. Golf putter. 4,872,684, 10-10-89, Cl. 273-164.000.

Dippenaar, Hermanus: *See—*
du Preez, Hercules P.; and Dippenaar, Hermanus, 4,825,771, Cl. 104-246.000.

Dippert, Rainer; and Mussig, Karl, to Pfaff Industriemaschinen GmbH. Method and apparatus for positioning and holding a thread chain. 4,829,920, 5-16-89, Cl. 112-288.000.

Dippold, Wolfgang G.: *See—*
Old, Lloyd J.; Oettgen, Herbert F.; Ikeda, Hisami; Li, Lucy T. C.; Lloyd, Kenneth O.; and Dippold, Wolfgang G., 4,808,704, Cl. 530-387.000.

Diprose, Michael F.; Williams, Edward E.; and Knox-Holmes, Brent, to University of Sheffield, The. Marine biofouling reduction. 4,869,016, 9-26-89, Cl. 43-124.000.

Dipsol Chemicals Co., Ltd.: *See—*
Oshima, Katsuhide; Murai, Toshiaki; Sakurai, Hitoshi; Igarashi, Shuji; Hanagata, Haruo; and Igarashi, Hidesato, 4,889,602, Cl. 204-38.100.

Dir, Gary A.: *See—*
Seachman, Ned J.; Taillie, Joseph P.; and Dir, Gary A., 4,877,310, Cl. 350-347.00E.

DiRe, Felix M.; and Carlisi, Joseph. Game with multiple winning ways. 4,836,546, 6-6-89, Cl. 273-138.00A.

Directed Energy, Inc.: *See—*
Sutter, Leroy V., Jr.; and Mofley, Robert E., 4,859,075, Cl. 374-2.000.

Director General, Agency of Industrial Science and Technology: *See—*
Denda, Masahiko, 4,871,405, Cl. 156-74.000.
Hibino, Junichi; and Ando, Eiji, 4,803,287, Cl. 549-252.000.
Hibino, Junichi; and Ando, Eiji, 4,845,240, Cl. 549-252.000.
Inoue, Toshihide; Okamoto, Masaru; and Yamanaka, Toru, 4,869,967, Cl. 428-480.000.
Ishikawa, Toshikatsu; Tokutomi, Katsuya; and Imai, Yoshikazu, 4,877,643, Cl. 427-57.000.
Iwai, Kenji; Furuta, Seiya; Takigawa, Hiroshi; and Kawai, Nobuyasu, 4,825,522, Cl. 29-156.80R.
Murase, Ichiki; Ohnishi, Toshihiro; and Noguchi, Takanobu, 4,868,284, Cl. 528-481.000.
Nagashima, Ikuo; Fukui, Jun; Gotoh, Hiroshi; Kaneko, Hiroko; Nozaki, Ken; and Ozawa, Takeo, 4,814,241, Cl. 429-199.000.
Shinbo, Toshio; Nishimura, Koichiro; Yamaguchi, Tomohiko; and Sugiura, Masaaki, 4,842,935, Cl. 428-404.000.
Tsukamoto, Jun; Takahashi, Akio; and Matsumura, Kiichiro, 4,816,547, Cl. 528-387.000.

Director-General of Agency of Industrial Science & Technology: *See—*
Eguchi, Kiyohisa; Kitamura, Norio; Okamura, Terumasa; and Ohta, Jouji, 4,834,891, Cl. 252-28.000.
Hayashi, Yutaka; Hayabuchi, Itsunari; Tsuchiya, Tatsuo; and Ishihara, Seiichi, 4,868,632, Cl. 357-54.000.
Katoh, Koichiroh, 4,853,253, Cl. 427-54.100.
Kawabata, Yasujiro; Sekiguchi, Tatsuo; Tanaka, Motoo; Nakamura, Takayoshi; Matsumoto, Mutsuyoshi; and Manda, Eiichiro, 4,830,874, Cl. 427-47.000.
Kosugi, Masayuki, 4,813,278, Cl. 73-783.000.
Matsumura, Kiichiro; Takahashi, Akio; and Tsukamoto, Jun, 4,808,475, Cl. 428-367.000.
Matsuura, Junichi; Oguchi, Tatsuki; and Okada, Munehisa, 4,818,255, Cl. 55-16.000.
Mita, Akio; Dobashi, Akio; and Kashiwabara, Susumu, 4,851,082, Cl. 162-76.000.
Mukai, Seiichi; Kimura, Masatoshi; and Morita, Shohachi, 4,886,873, Cl. 528-353.000.
Nakata, Yoshinori; Suzuki, Masaaki; and Okutani, Takeshi, 4,847,059, Cl. 423-341.000.
Nomura, Akira; and Yamada, Joseph, 4,816,499, Cl. 523-218.000.
Sekiya, Akira, 4,822,860, Cl. 525-328.200.

Sugihara, Hideki; Hiratani, Kazuhisa; and Okada, Tatsuhiro, 4,861,455, Cl. 204-418.000.

Suzuki, Osamu; and Yokochi, Toshihiro, 4,870,011, Cl. 435-134.000.

Tanaka, Masato; Kobayashi, Toshiaki; and Sakakura, Toshiyasu, 4,820,823, Cl. 548-200.000.

Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Fujii, Masaki; and Minohata, Masanori, 4,873,071, Cl. 423-448.000.

Yoshikawa, Akira; and Sato, Hiroko, 4,824,780, Cl. 435-133.000.

Director of Institute, Kyushu, Itaru Todoroki: *See—*

Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.

Director of National Food Research Institute Ministry of Agriculture, Forestry and Fisheries: *See—*

Kobayashi, Shoichi; and Arahira, Masaomi, 4,871,840, Cl. 536-103.000.

Director of National Institute of Agrobiological Resources: *See—*

Urushizaki, Sueo; Ohta, Yasuo; Sato, Mamoru; Sakai: Fukumi; and Nishiyama, Koushi, 4,877,730, Cl. 435-132.000.

d'Iribarne, Benoit; and Houang, Paul, to Saint-Gobain Vitrage "Les Miroirs". Method and apparatus for making contact-tempered glass sheets with reinforced edge stresses. 4,826,522, 5-2-89, Cl. 65-115.000.

DiRico, Mark A.; and Rodriguez, Phillip, to Dahlgren International, Inc. Vertically retracting coater. 4,825,804, 5-2-89, Cl. 118-46.000.

DiRisio, Anthony: *See—*

Diehl, Conrad; and DiRisio, Anthony, 4,803,506, Cl. 354-400.000.

Dirk, Carl W.; Katz, Howard E.; Lalama, Salvatore J.; Singer, Kenneth D.; and Sohn, John E., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Nonlinear optical materials and devices. 4,859,876, 8-22-89, Cl. 307-425.000.

Dirkes, Heinz: *See—*

Pinto, Akiva; Lucassen, Guenter; and Dirkes, Heinz, 4,858,277, Cl. 19-200.000.

Dirkin, William Peters, Fred; and Benton, Terry L., to Pneumo Abex Corporation. Composite cylinder assembly with removable liner assembly. 4,802,404, 2-7-89, Cl. 92-171.000.

Dirks, Clara. Doll with changeable hair piece. 4,874,345, 10-17-89, Cl. 446-394.000.

Dirkse, Hendricus A.: *See—*

Salter, James A.; DeWitz, Thomas S.; Scott, Andrew M.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,830,545, Cl. 406-12.000.

Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,834,588, Cl. 406-85.000.

Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,844,663, Cl. 406-19.000.

Salter, James A.; McCusker, James J.; Arbore, Charles M.; Dirkse, Hendricus A.; Everts, Rudi; Eckstein, Gunter; Scott, Andrew M.; and Terlouw, Teunis, 4,869,622, Cl. 406-119.000.

Dirkse, Hendrik A.; Steenge, Wiecher D. E.; and Scott, Andrew M., to Shell Oil Company. Apparatus for controlling a flow of granular material. 4,809,886, 3-7-89, Cl. 222-195.000.

Dirksing, John L.; Dirksing, William P.; and Dirksing, John W. Training bat for ball games. 4,819,935, 4-11-89, Cl. 272-124.000.

Dirksing, John W.: *See—*

Dirksing, John L.; Dirksing, William P.; and Dirksing, John W., 4,819,935, Cl. 272-124.000.

Dirksing, Robert S.; Girardot, Richard M.; and Merz, Theodore P., to Procter & Gamble Company, The. Bistable expandable bottle. 4,873,100, 10-10-89, Cl. 426-111.000.

Dirksing, William P.: *See—*

Dirksing, John L.; Dirksing, William P.; and Dirksing, John W., 4,819,935, Cl. 272-124.000.

Dirla, Manfred, to Regentrop & Bernard GmbH. Ribbon cassette with swingable ribbon-guide arms. 4,867,585, 9-19-89, Cl. 400-208.000.

Dirlikov, Stoil K.: *See—*

Inbasekaran, Muthiah N.; and Dirlikov, Stoil K., 4,885,403, Cl. 568-631.000.

Di Rosa, Gaetano, to Fata European Group S.p.A. Automatic system for assembly and welding metal sheet bodies, particularly car bodies, suitable for high mass production. 4,800,249, 1-24-89, Cl. 219-79.000.

Dirscherl, Teresa A.: *See—*

Solarek, Daniel B.; Dirscherl, Teresa A.; Hernandez, Henry R.; and Jarowenko, Wadym, 4,876,336, Cl. 536-109.000.

DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, to Loveshaw Corporation, The. Tape sealing the perimeters of carton walls. 4,813,206, 3-21-89, Cl. 53-137.000.

DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, to Loveshaw Corporation, The. Method and apparatus for forming pull-tabs on a sealing tape course length applied to a carton. 4,869,769, 9-26-89, Cl. 156-269.000.

di Salle, Enrico: *See—*

Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Salle, Enrico, 4,808,616, Cl. 514-177.000.

Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,810,423, Cl. 260-397.400.

Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Salle, Enrico, 4,824,830, Cl. 514-177.000.

Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,840,943, Cl. 514-177.000.

Colombo, Maristella; Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,822,528, Cl. 260-397.300.

Crugnola, Angelo; di Salle, Enrico; and Lombardi, Paolo, 4,797,411, Cl. 514-357.000.

Crugnola, Angelo; di Salle, Enrico; and Lombardi, Paolo, 4,847,295, Cl. 514-538.000.

Faustini, Franco; di Salle, Enrico; Villa, Vittoria; and Lombardi, Paolo, 4,808,578, Cl. 514-177.000.

Villa, Vittoria; di Salle, Enrico; and Lombardi, Paolo, 4,873,23 Cl. 514-179.000.

Di Santo, Frank J.; Krusos, Denis A.; and Lewit, Edward, to Copytele, Inc. Electrophoretic information display (EPID) apparatus employing grey scale capability. 4,833,464, 5-23-89, Cl. 340-793.000.

DiSanto, Frank J.; and Krusos, Denis A., to Copytele, Inc. Monolithic flat panel display apparatus and methods for fabrication thereof 4,850,919, 7-25-89, Cl. 445-24.000.

Di Santo, Frank J.; and Krusos, Denis A., to Copytele, Inc. Data/facsimile telephone subset apparatus incorporating electrophoretic displays. 4,870,677, 9-26-89, Cl. 379-96.000.

DiSanto, Frank J.; Krusos, Denis A.; and Schubert, Frederic E., to Copytele, Inc. Method of eliminating gas bubbles in an electrophoretic display. 4,889,603, 12-26-89, Cl. 204-180.100.

DiSapio, Alfred J.; Pfister, William R.; and Sheeran, Mary A., to Dow Corning Corporation. Multi-laminate fragrance release device 4,874,129, 10-17-89, Cl. 239-36.000.

Disbrow, James E., to Harris Corporation. Speed enhancement for multipliers using minimal path algorithm. 4,868,778, 9-19-89, Cl. 364-757.000.

Disbrow, Richard A.; and Blanchard, Russel O., to Invacare Corporation. Unobstructed adjustable V-frame exercycle. 4,811,945, 3-14-89, Cl. 272-73.000.

Dischert, Lee R.; and Topper, Robert J., to Matsushita Electric Industrial Co., Ltd. Method and apparatus for compatibly locking horizontal sync to the PAL subcarrier. 4,797,731, 1-10-89, Cl. 358-17.000.

Dischert, Lee R.; and Topper, Robert J., to Matsushita Electric Industrial Co., Ltd. Composite pal video translator. 4,845,546, 7-4-89, Cl. 358-17.000.

Dischert, Lee R.: *See—*

Topper, Robert J.; and Dischert, Lee R., 4,814,863, Cl. 358-31.000.

Topper, Robert J.; and Dischert, Lee R., 4,833,526, Cl. 358-21.000.

Di Schiena, Michele G.; and Orru, Vittoria, to Ricerche di Schiena S.n.c. del Dr. Michele G. di Schiena & C. Taurine derivative, its preparation and pharmaceutical compositions containing it. 4,840,964, 6-20-89, Cl. 514-448.000.

Di Schiena, Michele G.; and Paster, Zvi, to Ricerfarma S.R.L.; and Life Science Research Israel Ltd. Compound compositions with improved analgesic antipyretic and anti-inflammatory activity 4,859,658, 8-22-89, Cl. 514-159.000.

Di Schiena, Michele G., to Ricerche De Schiena s.n.c del Dr. Michele Giuseppe Di Schiena & C. 6-piperidino-2,4-diaminopyrimidine-3-oxide salt of 3-carboxypyridine n-oxide and topical, related compositions. 4,866,067, 9-12-89, Cl. 514-275.000.

Dischler, Helmut. Bending machine for bending bars, channels, sections and the like. 4,798,073, 1-17-89, Cl. 72-218.000.

Dischler, Louis, to Milliken Research Corporation. Fabric softening apparatus. 4,837,902, 6-13-89, Cl. 26-1.000.

Disco Abrasive Systems, Ltd.: *See—*

Sekiya, Shinji, 4,839,996, Cl. 51-281.00R.

Umeda, Yoshio, 4,817,341, Cl. 51-293.000.

Umeda, Yoshio, 4,843,766, Cl. 51-206.00R.

Yukawa, Isao; and Tada, Yasuji, 4,872,289, Cl. 51-5.00R.

Discovery Toys, Inc.: *See—*

Klitsner, Daniel B., 4,874,342, Cl. 446-168.000.

Discovision Associates: *See—*

Elliott, James E., 4,809,247, Cl. 369-44.000.

Giddings, Gary M., 4,796,098, Cl. 358-342.000.

Giddings, Gary M., 4,797,752, Cl. 358-342.000.

Giddings, Gary M., 4,845,697, Cl. 369-32.000.

Gregg, David P., 4,819,223, Cl. 369-275.000.

Disdier, Camille: *See—*

Desbois, Michael; and Disdier, Camille, 4,876,376, Cl. 558-412.000.

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DiSesa, Frank, to Kidde Holding, Inc. Refuse container with locking handle. 4,819,827, 4-11-89, Cl. 220-318.000.

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Dishart, Kenneth T.; and Wolff, Mark C., to Du Pont de Nemours, E. I., and Company. Cleaning composition of terpene compound and dibasic ester. 4,867,800, 9-19-89, Cl. 134-40.000.

Dishner, Bryan W., to Sundstrand Corporation. Boost/buck DC/DC converter. 4,801,859, 1-31-89, Cl. 323-224.000.

Dishner, Bryan W.; and Dhyanchand, P. John, to Sundstrand Corporation. Brushless DC motor torque control. 4,835,448, 5-30-89, Cl. 318-254.000.

Dishner, Bryan W.; Maddali, Vijay K.; and Dhyanchand, P. John, to Sundstrand Corporation. Speed-limited electrically compensated constant speed drive. 4,841,202, 6-20-89, Cl. 318-14.000.

Dishon, Yitzhak; and Georgiou, Christos J., to International Business Machines Corporation. Memory unit backup using checksum 4,849,978, 7-18-89, Cl. 371-51.000.

Dishon, Yitzhak; and Kim, Michelle Y., to International Business Machines Corporation. Multiple copy data mechanism on synchronous disk drives. 4,862,411, 8-29-89, Cl. 364-952.000.

Disibio, Ralph R.: *See—*

Mallory, Charles W.; Watts, Ralph E.; Sanner, William S., Jr.; Disibio, Ralph R.; Lilley, Arthur W.; Winston, Steven J.; [illegible]klin, Billy C.; and Razor, John E., 4,845,372, Cl. 250-506.100.

DiSimone, Robert P. Portable automotive bench. 4,811,875, 3-14-89, Cl. 224-42.440.

Diskin, Steve; and Lerner, Lawrence, to Mega/Erg Inc. Suspended air purifier light fixture. 4,849,862, 7-18-89, Cl. 362-96.000.

Diskin, Steve; and Lerner, Lawrence, to Mega/Erg Inc. Convertible air cleaner fan. 4,867,764, 9-19-89, Cl. 55-126.000.

Disko, Harry: *See—*

Danielak, Ann C.; Andersen, Michael A.; and Disko, Harry, 4,832,339, Cl. 273-45.000.

Disler, Martin R.; and de la Pena, Federico D., to Disler, Martin Robert. Convertible multi-purpose toy. 4,865,337, 9-12-89, Cl. 280-7.100.

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Dispenza, Charles. Rain gauge with improved syphon discharge. 4,836,018, 6-6-89, Cl. 73-171.000.

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Doulakas, Johann, 4,829,088, Cl. 514-567.000.

Display Lighting Systems: *See—*

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Disselkoen, Allen D., Jr.; Gargiulo, Robert F.; Haywood, James E.; Heise, Keith H.; Holcomb, Darrell H.; Kramer, Stuart C.; Miller, Gregory R.; Nicholson, Jeffrey S.; Olinger, Jeffrey J.; and Spenny, Curtis H., to United States of America, Air Force. Pronated escape system for fighter aircraft. 4,877,202, 10-31-89, Cl. 244-122.00A.

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Matthias, Klaus; Disson, Arno; Schick, Gerald; Baumann, Karl-Heinz; and Euteneuer, Albert, 4,830,402, Cl. 280-756.000.

Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disson, Arno; Moller, Hermann: Seel, Holger; Topfer, Claus; Nerger, Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, Cl 280-756.000.

Distasio, Joseph. Decorative lighting track system. 4,814,953, 3-21-89, Cl. 362-147.000.

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Di Stazio, Giovanni: *See—*

Caciagli, Valerio; Verdini, Antonio S.; De Luca, Giovanna; Di Stazio, Giovanni; and Politi, Vincenzo, 4,810,779, Cl. 530-328.000.

De Luca, Giovanna; Di Stazio, Giovanni; Margonelli, Andrea; Materazzi, Mario; and Politi, Vincenzo, 4,808,728, Cl. 548-502.000.

Di Stefano, Alfonso. Universal joint with improved bearing and seal construction. 4,846,763, 7-11-89, Cl. 464-136.000.

DiStefano, Frank V., to Air Products and Chemicals, Inc. Cellulosic nonwoven products of enhanced water and/or solvent resistance by pretreatment of the cellulosic fibers. 4,859,527, 8-22-89, Cl. 428-288.000.

Di Stefano, Giorgio, to Ing. C. Olivetti & C., S.p.A. Cartridge including epicyclic gearing drive for a multistrike typing ribbon for printing machines. 4,861,176, 8-29-89, Cl. 400-208.000.

DiStefano, Ralph D., to Harris Corp. Process of forming breadboard interconnect structure having plated through-holes. 4,835,008, 5-30-89, Cl. 427-96.000.

DiStefano, Thomas H.; Falls, Arthur E.; Halperin, Arnold; and Mackay, John D., to International Business Machines Corporation. Defect detection using intermodulation signals. 4,868,506, 9-19-89, Cl. 324-521.000.

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Distel, Kenneth. Child protector. 4,888,580, 12-19-89, Cl. 340-573.000.

Distelrath, Winfried, to Dr. Ing. h.c.F Porsche Aktiengesellschaft. Suction system for a multi-cylinder internal combustion engine. 4,867,110, 9-19-89, Cl. 123-52.0MC.

Distibutors Processing, Inc.: *See—*

Goodall, S. Richard, 4,828,860, Cl. 426-309.000.

Distillers Company PLC, The: *See—*

Wheldon, Alfred G., 4,842,693, Cl. 202-154.000.

Distl, Richard; and Schmidt, Ulrich. Measuring assembly for analyzing electromagnetic radiation. 4,822,169, 4-18-89, Cl. 356-364.000.

Distler, Klaus; Enders, Rolf; and Gohlich, Dieter, to Rheinisch-Westfalisches Elektrizitatswerk Akteingesellschaft. Apparatus for simulation of the operation of a pressurized water nuclear reactor. 4,828,787, 5-9-89, Cl. 376-245.000.

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Ribesse, Jacques, 4,813,179, Cl. 48-210.000.

Di Sturco, Paolo. Compound cap for use with a bottle. 4,858,760, 8-22-89, Cl. 206-222.000.

Ditchek, Brian M.; Levinson, Mark; and Yacobi, Ben G., to GTE Laboratories Incorporated. Radiation detecting apparatus. 4,829,173, 5-9-89, Cl. 250-211.00R.

Ditcher, Jack, to A-LOK Products Corporation. Methods for forming inverts in manhold assemblies. 4,801,417, 1-31-89, Cl. 264-250.000.

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Lantzsch, Reinhard; Ditgens, Klaus; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,818,762, Cl. 514-383.000.

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Ditman, L. Samuel, Jr., to United States of America, Navy. Opto-optical bean deflector, modulator, and shaper. 4,880,296, 11-14-89, Cl. 350-354.000.

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DiTraglia, John. Blood glucose level sensing. 4,822,336, 4-18-89, Cl. 604-50.000.

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Ditscherlein, Friedhold, to Max Spaleck GmbH & Co. KG. Centrifugal treatment apparatus. 4,850,151, 7-25-89, Cl. 51-163.200.

Ditschun, Arthur; and Zajaczkowski, Boleslaw, to Welding Institute of Canada. Twin pulsed arc welding system. 4,806,735, 2-21-89, Cl. 219-130.510.

Dittakavi, Ashok; Richards, Robert L.; and Halim, Raouf, to Hayes Microcomputer Products, Inc. Modem with call waiting. 4,852,151, 7-25-89, Cl. 379-97.000.

Dittakavi, Ashok: *See—*

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Dittmann, Norbert: *See—*

Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert, Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,836,130, Cl. 118-76.000.

Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert; Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,848,266, Cl. 118-76.000.

Dittmar, Andre; Foray, Jacques; Delhomme, Georges; Blain, Yves; and Berard, Pierre, to Centre National de la Recherche Scientifique. Portable hot, humid air inhalator for combatting hypothermia in humans. 4,825,863, 5-2-89, Cl. 128-203.270.

Dittmar, Andre; Delhomme, Georges; Roussel, Bernard; and Chatonnet, Joseph, to Centre National de la Recherche Scientifique. Probe for measuring the thermal conductivity of materials. 4,841,543, 6-20-89, Cl. 374-44.000.

Dittmar, Walter: *See—*

Blume, Ernst; Schaper, Wolfgang; Ehrhardt, Heinz; Raether, Wolfgang; Dittmar, Walter; Hanel, Heinz; and Sachse, Burkhard, 4,870,088, Cl. 514-340.000.

Ehrhardt, Heinz; Blume, Ernst; Raether, Wolfgang; and Dittmar, Walter, 4,829,075, Cl. 514-340.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; and Dittmar, Walter, 4,818,758, Cl. 514-252.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, 4,824,846, Cl. 514-252.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, 4,859,670, Cl. 514-252.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; and Dittmar, Walter, 4,877,878, Cl. 544-368.000.

Lohaus, Gerhard; Dittmar, Walter; Hanel, Heinz; Raether, Wolfgang; Reuschling, Dieter; and Grobel, Bengt-Thomas, 4,797,409, Cl. 514-345.000.

Siegel, Herbert; Raether, Wolfgang; and Dittmar, Walter, 4,808,606, Cl. 514-383.000.

Siegel, Herbert; Kampe, Klaus-Dieter; Alpermann, Hans G.; Gerhards, Hermann J.; Usinger, Patricia; Schacht, Ulrich; Leven, Margret; Raether, Wolfgang; Dittmar, Walter; and Sachse, Burkhard, 4,876,354, Cl. 548-341.000.

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- Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.
- Kieser, Jorg; Lotz, Hans G.; Dittmer, Gonde; and Sellschopp, Michael, 4,847,460, Cl. 219-10.55A.

Dittmer, Helmut: *See—*
- Reinhardt, Karl H.; Dittmer, Helmut; and Gandress, Jurgen, 4,849,179, Cl. 422-89.000.
- Seibig, Bernd; Reymann, Alfred; and Dittmer, Helmut, 4,848,935, Cl. 384-276.000.

Dittmer, Howard R.: *See—*
- Kaniut, Christopher P.; and Dittmer, Howard R., 4,802,652, Cl. 251-181.000.

Ditto, James W.; and Jensen, James W., Jr., to Adolph Coors Company. Obstructed-field-indicia-sensing device. 4,835,720, 5-30-89, Cl. 364-561.000.

Ditto, James W.; and Jensen, James W., to Adolph Coors Company. Web lateral position control apparatus and method. 4,888,717, 12-19-89, Cl. 364-559.000.

Ditto Sales, Inc.: *See—*
- Gutgsell, David R., 4,838,180, Cl. 108-132.000.

Ditton, Louis G., to Essex Group, Inc. Palletized structure containing spools. 4,821,880, 4-18-89, Cl. 206-386.000.

Dittrich, David J.: *See—*
- Case, Paul D.; and Dittrich, David J., 4,878,507, Cl. 131-336.000.

Dittrich, Gerd, to Saar-Hartimetall und Werkzeuge GmbH. Extruder. 4,800,536, 1-24-89, Cl. 366-78.000.

Dittrich, Horst, to Karl Storz GmbH & Co. Flexible tubular device. 4,844,053, 7-4-89 Cl. 128-4.000.

Dittrich, Horst: *See—*
- Koller, Roland; and Dittrich, Horst, 4,852,550, Cl. 128-4.000.

Dittrich, Otto; and Rattunde, Manfred, to Reimers Getriebe AG. Asymmetrical infinitely variable transmission system. 4,795,406, 1-3-89, Cl. 474-8.000.

Ditty, Jeffrey L.; Rives, Robert L.; Schanding, James T.; and Burka, Eric S., to Ditty, Jeffrey L.; and Versa Tech Engineering. Apparatus and method for frame wall fabrication. 4,876,787, 10-31-89, Cl. 29-430.000.

Ditzel, David R.; and McLellan, Hubert R., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Arrangement and method for speeding the operation of branch instructions. 4,853,889, 8-1-89, Cl. 364-900.000.

Ditzel, Roger E.: *See—*
- Stearns, Floyd E.; Pitas, Jeffery A.; LeRoy, Robert D.; and Ditzel, Roger E., 4,861,015, Cl. 271-213.000.

Ditzer, Erich; and Hasenknopf, Ludwig, to Bayerische Motoren Werke A.G. Abutment force adjustable windshield wiper arrangement. 4,797,601, 1-10-89, Cl. 318-443.000.

Ditzig, Albert, to Telephone Products, Inc. Rotary electrical connector assembly. 4,854,881, 8-8-89, Cl. 439-26.000.

Ditzig, Joseph R., to Ingersoll-Rand Company. Down hole drill improvement. 4,821,812, 4-18-89, Cl. 173-17.000.

Ditzler, Lee C.; Lemberger, Ronald F.; and Slezak, Cynthia L., to Trineos. Method and apparatus for generating ozone by corona discharge. 4,877,588, 10-31-89, Cl. 422-186.190.

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- Anderson, Herbert R., Jr.; Divakaruni, Renuka S.; Dynys, Joseph M.; Kandetzke, Steven M.; Kirby, Daniel P.; Master, Raj N.; and Casey, Jon A., 4,885,038, Cl. 156-89.000.

Divan, Deepakraj M., to Wisconsin Alumni Research Foundation. Quasi-resonant current mode static power conversion method and apparatus. 4,833,584, 5-23-89, Cl. 363-37.000.

Divan, Deepakraj M., to Wisconsin Alumni Research Foundation. Static power conversion method and apparatus having essentially zero switching losses and clamped voltage levels. 4,864,483, 9-5-89, Cl. 363-37.000.

Divanji, Haresh S.: *See—*
- Mikhlin, Josef A.; Capes, C. Edward; Divanji, Haresh S.; and Coleman, Richard D., 4,874,393, Cl. 44-20.000.

Dive N'Surf: *See—*
- Lent, Jon, 4,809,364, Cl. 2-2.10R.

Dive N'Surf, Inc.: *See—*
- Meistrell, William R., 4,805,620, Cl. 128-402.000.
- Meistrell, William R., 4,862,517, Cl. 2-2.10R.

Diver, James J.: *See—*
- Schneider, Thomas C.; and Diver, James J., 4,856,263, Cl. 53-543.000.

Diverse Termination Products, Inc.: *See—*
- Dee, James S.; and Bell, Thomas J., 4,808,123, Cl. 439-470.000.

Diversey Corporation: *See—*
- Borseth, Donald; and McCall, David, 4,826,618, Cl. 252-174.210.
- Corby, Michael P., 4,822,513, Cl. 252-106.000.
- Cotter, Terrence; Anderson, Theodore; Gansser, Robert; and Kryk, Louis, 4,823,441, Cl. 23-313.00R.
- Davis, Clyde V., Jr., 4,808,236, Cl. 134-25.200.
- Livingston, James W.; Cassady, Henry W., Jr.; Hosking, Stephen G.; Warner, Thomas J.; and Moreland, Gary D., 4,848,381, Cl. 134-57.00R.

Diversified Enterprises of America, Inc.: *See—*
- Hackel, Ronald L., 4,845,878, Cl. 43-17.000.

Diversified Investments Corporation: *See—*
- Chen, Pao-Chaing, 4,889,335, Cl. 272-73.000.

Diversified Products Corporation: *See—*
- Lucas, James F.; and Coody, Bruce F., 4,880,225, Cl. 272-73.000.
- Mott, Jonathan C., 4,842,798, Cl. 264-219.000.
- Rockwell, Gary, 4,861,025, Cl. 272-144.000.
- Seal, John, 4,795,147, Cl. 272-72.000.

Diversified Technologies, Inc.: *See—*
- Edgar, Jack K.; and Kalro, Chandru M., 4,864,957, Cl. 114-258.000.

DiVincenzo, Gregory T.: *See—*
- Castonguay, Roger N.; Morris, Robert A.; Dziura, Richard A.; Scott, Graham A.; and DiVincenzo, Gregory T., 4,806,893, Cl. 335-20.000.

Divine, Charles A., Jr.: *See—*
- McCune, Harry E., III; and Divine, Charles A., Jr., 4,798,634, Cl. 148-325.000.

Divine, Joseph E., to Rainsinger Enterprises, Inc. Umbrella with removable radio handle. 4,867,187, 9-19-89, Cl. 135-16.000.

Diving Unlimited International, Inc.: *See—*
- Long, Richard W.; and Stinton, Robert T., 4,882,785, Cl. 2-2.10R.

Divisek, Jiri; and Schmitz, Heinz, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Process for the production of porous electrodes. 4,857,153, 8-15-89, Cl. 204-16.000.

DiVito, Fred, to Lumex, Inc. Axilliary crutch. 4,838,291, 6-13-89, Cl. 135-68.000.

DiVito, Fred; and Beal, Christopher I., to Lumex, Inc. Bathtub hand rail. 4,887,323, 12-19-89, Cl. 4-577.000.

DiVito, John A.: *See—*
- DiVito, Robert, 4,842,326, Cl. 296-196.000.

DiVito, Robert, to DiVito, John A. Motor vehicles with interchangeable functional body modules. 4,842,326, 6-27-89, Cl. 296-196.000.

Divyesh, P. Shah: *See—*
- Takiar, Hem P.; Divyesh, P. Shah; and Hilton, Robert F., 4,810,620, Cl. 430-314.000.

Dix, James K., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Method of monitoring production of protective fabric. 4,844,941, 7-4-89, Cl. 427-8.000.

Dix, Johannes P.; Etzbach, Karl-Heinz; Mayer, Udo; and Sens, Ruediger, to BASF Aktiengesellschaft. Transfer of catinic dyes in their deprotonated, electrically neutral form. 4,880,769, 11-14-89, Cl. 503-227.000.

Dix, Willard A., to Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Cantilever spring switch having multiple fulcrums. 4,885,435, 12-5-89, Cl. 200-1.00B.

Dixen, Carl C.: *See—*
- Thomsen, Flemming; Nissen, Harry S.; Ravn, Kjeld; and Dixen, Carl C., 4,870,892, Cl. 91-361.000.

Dixit, Mayankkumar M.; and Tanzola, Charles, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Closure for aerial telephone cable splices. 4,818,824, 4-4-89, Cl. 174-92.000.

Dixit, Nagaraj S., to Colgate-Palmolive Company. Thixotropic clay aqueous suspensions containing alkali metal fatty acid salt stabilizers. 4,836,946, 6-6-89, Cl. 252-97.000.

Dixit, Nagaraj S.: *See—*
- Sullivan, James J.; and Dixit, Nagaraj S., 4,889,652, Cl. 252-99.000.

Dixit, Pankaj; Sliwa, Jack; Klein, Richard K.; Sander, Craig S.; and Farnaam, Mohammad, to Advanced Micro Devices, Inc. Contact plug and interconnect employing a barrier lining and a backfilled conductor material. 4,884,123, 11-28-89, Cl. 357-71.000.

Dixit, Pankaj: *See—*
- Sliwa, Jack; Farnaam, Mohammad; Dixit, Pankaj; and Shen, Lewis N., 4,847,674, Cl. 357-67.000.

Dixit, Vyas M.: *See—*
- Stolowitz, Mark L.; Dixit, Vyas M.; and Kesicki, Edward A., 4,861,726, Cl. 436-89.000.

Dixon, Alfred R. Door water deflector and vent. 4,798,130, 1-17-89, Cl. 98-2.180.

Dixon, Allen L. Paint roller cleaning device. 4,811,749, 3-14-89, Cl. 134-184.000.

Dixon, Arnold G.: *See—*
- Bannell, John L. K.; Dixon, Arnold G.; and Davies, Trevor P., 4,799,235, Cl. 374-18.000.

Dixon Automatic Tool, Inc.: *See—*
- Dixon, Paul H., 4,883,130, Cl. 173-12.000.

Dixon, Brian G.; Deans, John R.; and Jenney, Leah B., to Cape Cod Research, Inc. Battery electrolyte. 4,834,772, 5-30-89, Cl. 29-623.500.

Dixon, Carlas F.: *See—*
- Rose, Thomas M.; and Dixon, Carlas F., 4,858,396, Cl. 52-11.000.

Dixon, Dale A.; and Hannan, Forrest, to Sotar, Inc. Cassette locking system. 4,801,107, 1-31-89, Cl. 242-198.000.

Dixon, Dale D.: *See—*
- Burgoyne, William F., Jr.; Casey, Jeremiah P.; Dixon, Dale D.; and Milligan, Barton, 4,816,543, Cl. 528-64.000.
- Burgoyne, William F., Jr.; and Dixon, Dale D., 4,845,283, Cl. 560-359.000.
- Burgoyne, William F., Jr.; and Dixon, Dale D., 4,845,291, Cl. 564-307.000.
- Pinschmidt, Robert K., Jr.; Dixon, Dale D.; and Burgoyne, William F., Jr., 4,864,055, Cl. 560-160.000.

Dixon, David R.; and Anderson, Nevil J., to Commonwealth Scientific and Industrial Research Organization. Method of removing impurities from hard waters or waters with significant calcium/magnesium concentrations. 4,882,064, 11-21-89, Cl. 210-667 [illegible]0.

Dixon, Deborah E.; Hart, L. Patrick; and Pestka, James J., to Neogen Corporation. Method and test kit for detecting an aflatoxin B_1 and G_1 using novel monoclonal antibodies. 4,835,100, 5-30-89, Cl. 435-7.000.

Dixon, France T., to Hancock Jaffe Laboratories. Crosslinked anisotropic mammalian diaphragm in surgical reconstruction. 4,813,958, 3-21-89, Cl. 623-11.000.

Dixon, France T.; and Lewis, Royce C., Jr., to Hancock Jaffe Laboratories. Crosslinked anisotropic xenogeneic diaphragm tissue in flexor tendon pulley reconstruction. 4,813,964, 3-21-89, Cl. 623-13.000.

Dixon, George; and Eaves, Henry W., to Binks Bullows Limited; and Spencer & Co., Limited. Gas filter. 4,799,944, 1-24-89, Cl. 55-446.000.

Dixon, George G.; Parlman, Robert M.; and Stewart, Wayne, to Phillips Petroleum Company. Organophilic clay suspension medium. 4,876,030, 10-24-89, Cl. 252-315.200.

Dixon, George J., to Virgo Optics, Inc. Microlaser system. 4,797,893, 1-10-89, Cl. 372-66.000.

Dixon, George J., to University of South Florida. Butt-coupled single transverse mode diode pumped laser. 4,847,851, 7-11-89, Cl. 372-75.000.

Dixon, George J.; Anthon, Douglas W.; and Clark, John H., to Amoco Corporation. Generation of coherent optical radiation by optical mixing. 4,879,722, 11-7-89, Cl. 372-21.000.

Dixon, George J.; Anthon, Douglas W.; and Clark, John H., to Amoco Corporation. Intracavity generation of coherent optical radiation of optical mixing. 4,879,723, 11-7-89, Cl. 372-21.000.

Dixon, George J.; Anthon, Douglas W.; and Clark, John H., to Amoco Corporation. Optical feedback control in the frequency conversion of laser diode radiation. 4,884,276, 11-28-89, Cl. 372-21.000.

Dixon, Gerald: *See—*
- Bolton, Ivor W.; Gibbons, Richard N.; and Dixon, Gerald, 4,857,087, Cl. 55-385.600.

Dixon, Glen O. Electronically controlled electric motor with variable power output. 4,864,199, 9-5-89, Cl. 318-254.000.

Dixon, Guy E.; Jacobus, Howard B.; and Soto, Florencio E., to Panelfold, Inc. Flat folding partition. 4,867,221, 9-19-89, Cl. 160-84.100.

Dixon, Herbert S.; Weller, Jonathan W.; Boyer, Ivon; and McKenney, Darryl J., to Teledyne Industries, Inc. Multilayer combined rigid and flex printed circuits. 4,800,461, 1-24-89, Cl. 361-398.000.

Dixon International Limited: *See—*
- Milner, Bruce A., 4,795,776, Cl. 524-386.000.

Dixon, James R.; Gentle, Derek F.; Janotik, Adam M.; Kazyak, Lawrence P.; Mansour, Tahir M.; Papadakis, Emmanuel P.; and Strosberg, Gordon G., to Ford Motor Company. Method for assembling body panels. 4,868,968, 9-26-89, Cl. 29-460.000.

Dixon, Jay J. Alternator belt tension adjustor. 4,887,992, 12-19-89, Cl. 474-101.000.

Dixon, Jimmie D. Marine conversion for cycle. 4,819,575, 4-11-89, Cl. 114-270.000.

Dixon, John; and Ince, Francis, to Fisons, plc. Dihydroxy-phenethylamino compounds useful as pharmaceuticals. 4,803,225, 2-7-89, Cl. 514-654.000.

Dixon, John. Handlebar device for containing a portable radio apparatus. 4,856,364, 8-15-89, Cl. 74-551.800.

Dixon, John; and Ince, Francis, to Fisons plc. 3,4-dihydroxyphenylethylamine derivatives and their use. 4,885,313, 12-5-89, Cl. 514-620.000.

Dixon, John: *See—*
- Appleton, Richard A.; Dixon, John; and Burford, Sidney C., 4,803,216, Cl. 514-407.000.
- Ince, Francis; Springthorpe, Brian; and Dixon, John, 4,883,804, Cl. 514-357.000.

Dixon, Kenneth. Liquid light tree. 4,806,392, 2-21-89, Cl. 428-18.000.

Dixon, Michael W., to Sandoz Ltd. Suppress dyeing method. 4,881,941, 11-21-89, Cl. 8-482.000.

Dixon, Paul H., to Dixon Automatic Tool, Inc. Dual speed transmission for automatic assembly machine. 4,883,130, 11-28-89, Cl. 173-12.000.

Dixon, Peggy L.; and Schmidt, Christine M., to Dow Corning Corporation. Flowable joint sealant for concrete highway. 4,889,878, 12-26-89, Cl. 523-200.000.

Dixon, Richard D., to Huck Manufacturing Company. Variable clamp fastener and method. 4,867,625, 9-19-89, Cl. 411-361.000.

Dixon, Richard L. Camber adjusting tool for front-wheel drive vehicles. 4,858,889, 8-22-89, Cl. 254-131.000.

Dixon, Richard P.; and Foxx, Mary E., to Carter-Wallace, Inc. Sunscreen composition. 4,810,490, 3-7-89, Cl. 424-59.000.

Dixon, Richard W. Cheekstrip apparatus for use with cutting cylinder knives. 4,862,778, 9-5-89, Cl. 83-117.000.

Dixon, Robert C.; and Deaver, Gerald A., to General Electric Company. Feedwater sparger restraint. 4,859,403, 8-22-89, Cl. 376-286.000.

Dixon, Robert C.: *See—*
- Charnley, James E.; Cearley, James E.; Dixon, Robert C.; Izzo, Kenneth R.; and Aiello, Louis L., 4,853,176, Cl. 376-333.000.

Dixon, Robert P.: *See—*
- Garner, Terry N.; and Dixon, Robert P., 4,887,311, Cl. 455-76.000.

Dixon, Rodney G. Electrical junction box installer. 4,888,879, 12-26-89, Cl. 33-613.000.

Dixon, Samuel, Jr.; AuCoin, Thomas R.; and Ross, Raymond L., to United States of America, Army. Harmonically pumped monolithic planar doped barrier mixer. 4,864,645, 9-5-89, Cl. 455-327.000.

Dixon, Samuel, Jr., to United States of America, Army. Planar monolithic millimeter wave mixer. 4,878,253, 10-31-89, Cl. 455-327.000.

Dixon, William C.: *See—*
- Ogden, Stanley D.; and Dixon, William C., 4,813,563, Cl. 215-253.000.
- Ogden, Stanley D.; and Dixon, William C., 4,871,077, Cl. 215-366.000.

Dixon, William P., to United States of America, Air Force. Interferometric load sensor and strain gage. 4,815,855, 3-28-89, Cl. 356-358.000.

diZerega, Gere S.: *See—*
- Sheffield, Warren D.; and diZerega, Gere S., 4,889,722, Cl. 424-450.000.

Dizon, Edmund S.; and Kalvaitis, Arvydas J., to S&C Electric Company. Sealing arrangement for enclosure having an access door. 4,815,237, 3-28-89, Cl. 49-383.000.

Dizon, Edmund S.: *See—*
- Kalvaitis, Arvydas J.; Dizon, Edmund S.; and Tso, Kenneth K., 4,806,710, Cl. 200-50.00A.

Djaczenko, Wiktor: *See—*
- Fedeli, Gianfranco; Diamantini, Giuseppe; Djaczenko, Wiktor; and Strumillo, Maria, 4,871,769, Cl. 514-550.000.

Djennas, Frank; and Mitchell, Curtis W., to Motorola, Inc. Silver flashing process on semiconductor leadframes. 4,883,774, 11-28-89, Cl. 437-211.000.

Djerf, Tobin, to Unarco Industries, Inc. Shock absorbing wheel. 4,818,034, 4-4-89, Cl. 301-63.0PW.

Djerf, Tobin, to Unarco Industries, Inc. Method of making shock absorbing wheels. 4,879,794, 11-14-89, Cl. 29-159.100.

DJH Engineering Center, Inc.: *See—*
- Hvolka, Dusan J., 4,856,378, Cl. 74-804.000.

Djiauw, Lie K.; and Icenogle, Ronald D., to Shell Oil Company. Low smoke modified polypropylene insulation compositions. 4,859,366, 8-22-89, Cl. 252-602.000.

Djiauw, Lie K.: *See—*
- Icenogle, Ronald D.; and Djiauw, Lie K., 4,853,154, Cl. 252-602.000.

Djokic, Slobodan; Lopotar, Nevenka; Kobrehel, Gabrijela; Krnjevic, Hrvoje; and Carevic, Olga, to Sour Pliva. 10-dihydro-10-deoxo-11-azaerythronolide a compounds, methods and intermediates for the manufacture thereof and their use in pharmaceuticals and in the manufacture thereof. 4,886,792, 12-12-89, Cl. 514-183.000.

Djordjevic, Ilija; Kelly, William W.; and Vanderpoel, Richard E., to Stanadyne, Inc. Electronic unit injector. 4,811,715, 3-14-89, Cl. 123-447.000.

Djordjevich, Ljubomir; and Ivankovich, Anthony K. Noninvasive continuous monitor of arterial blood pressure waveform. 4,873,987, 10-17-89, Cl. 128-672.000.

Djorup, Robert S. Thermal anemometer. 4,794,794, 1-3-89, Cl. 73-204.000.

Djorup, Robert S. Directional thermal anemometer transducer. 4,794,795, 1-3-89, Cl. 73-189.000.

Djupsjobacka, Anders G., to Telefonaktiebolaget LM Ericsson. Optoelectronic modulator. 4,797,641, 1-10-89, Cl. 332-7.510.

Djupsjobacka, Anders G., to Telefonaktiebolaget L M Ericsson. Optoelectric connection device. 4,798,429, 1-17-89, Cl. 350-96.140.

Djupsjobacka, Anders G., to Telefonaktiebolaget L M Ericsson. Optoelectronic directional coupler for a bias-free control signal. 4,842,367, 6-27-89, Cl. 350-96.140.

Djupsjobacka, Anders G., to Telefonaktiebolaget L M Ericsson. Electrode arrangement for optoelectronic devices. 4,850,667, 7-25-89, Cl. 350-96.140.

Djuric, Stevan W.; Haack, Richard A.; and Yu, Stella S., to G. D. Searle & Co. Furyl, phenylene, and thienyl leukotriene B4 analogues. 4,855,324, 8-8-89, Cl. 514-570.000.

Djuric, Stevan W.; Shone, Robert L.; and Yu, Stella S. T., to G. D. Searle & Co. Alkoxy-substituted dihydrobenzopyran-2-carboxylate derivatives. 4,889,871, 12-26-89, Cl. 514-456.000.

DLI Corporation: *See—*
- Nichol, Robert E.; Grant, Robert B.; and Faddis, Charles T., 4,885,707, Cl. 364-551.010.

DLP Inc.: *See—*
- Davis, Richard E.; and DeVries, Ronald A., 4,846,804, Cl. 604-164.000.
- DeVries, James H., 4,796,626, Cl. 128-334.00R.

Dlugokecki, Andrew N., to Parker-Hannifin Corporation. Balanced rotary valve plate for internal gear device. 4,813,856, 3-21-89, Cl. 418-61.300.

Dlugokecki, Andrew N., to Parker Hannifin Corporation. Internal gear machine with reinforced housing. 4,824,347, 4-25-89, Cl. 418-61.300.

Dlugokecki, Andrew N., to Parker Hannifin Corporation. Drain for internal gear hydraulic device. 4,881,880, 11-21-89, Cl. 418-61.300.

Dlugolecki, Andrzej J.: *See—*
- Bakula, Gerald R.; Caldwell, Donald J.; and Dlugolecki, Andrzej J., 4,845,792, Cl. 14-69.500.

Dluzniewski, Tomasz: *See—*
- Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.

DML Company Limited: *See—*
- Senda, Akira; and Usui, Takayuki, 4,845,958, Cl. 62-418.000.

DMM Master Technik GmbH fur Informationstrager: *See—*
- Redlich, Horst; and Joschko, Gunter, 4,814,047, Cl. 204-5.000.
- Redlich, Horst; and Joschko, Guenter, 4,821,250, Cl. 369-18.000.
- Redlich, Horst; and Joschko, Gunter, 4,881,133, Cl. 358-299.000.

DMV-Campina B.V.: *See—*
- Kussendrager, Klaas D.; van den Biggelaar, Henricus A. M.; and Vromans, Herman, 4,802,926, Cl. 127-31.000.

- DNA Plant Technology Corporation: *See*—
  - Cocking, Edward C. D.; Power, John B.; and Kinsara, Ahmed M., 4,863,863, Cl. 435-172.200.
  - Evans, David A.; Flick, Christopher E.; and Sharp, William R., 4,818,699, Cl. 435-240.490.
  - Evans, David A.; Flick, Christopher E.; and Sharp, William R., 4,827,079, Cl. 800-1.000.
  - Orr, Avigdor; Spingler, John O.; and Gilbert, Seymour G., 4,855,153, Cl. 426-270.000.
  - Sondahl, Maro R.; Evans, David A.; and Prioli, Laudenir, 4,810,649, Cl. 435-240.490.
  - Spingler, John O.; Orr, Avigdor; and Gilbert, Seymour G., 4,808,420, Cl. 426-106.000.
- DNAX Research Institute of Molecular and Cellular Biology, Inc.: *See*—
  - Lee, Frank D.; Yokota, Takashi; and Arai, Ken-ichi, 4,778,789, Cl. 435-68.000.
- DNE Corporation: *See*—
  - Hone, Ronald D., 4,813,290, Cl. 74-15.880.
  - Huber, Thomas V; and Hone, Ronald D., 4,860,615, Cl. 74-785.000.
- DNIC Brokerage Company: *See*—
  - Shafer, James E., 4,868,519, Cl. 330-284.000.
- DNS Electronic Materials, Inc.: *See*—
  - Huber, Walter, 4,851,358, Cl. 437-10.000.
  - Huber Walter, 4,868,133, Cl. 437-10.000.
- Do-All Jewelry Mfg. Co., Inc.: *See*—
  - Geldwerth, Simon, 4,813,108, Cl. 24-616.000.
  - Geldwerth Simon, 4,833,761, Cl. 24-616.000.
- do Amaral, Luis F.: *See*—
  - Alterman, Marcelo K.; and do Amaral, Luis F., 4,859,234, Cl. 71-103.000.
- Do, Anh T.: *See*—
  - Huvey, Michel; Do, Anh T.; Gerez, Jean-Michel; and Le Gallais, Lucien, 4,858,653, Cl. 138-144.000.
- Do, Tai H., to Rexnord Inc. Barrel nut fastener apparatus. 4,861,207, 8-29-89, Cl. 411-104.000.
- Do, Tai H.: *See*—
  - McCorkle, Daniel J.; and Do, Tai H., 4,877,271, Cl. 285-39.000.
- Doan, Alpha N.: *See*—
  - Chan, Lawrence W.; Doan, Alpha N.; Torgerson, Curt N.; and Wield, Paul J., 4,865,478, Cl. 400-616.300.
- Doan, Daniel C., to RJF International Corporation. Compression honeycomb door seal. 4,807,397, 2-28-89, Cl. 49-498.000.
- Doane, James J. Golf club swing training device. 4,819,944, 4-11-89, Cl. 273-193.00A.
- Doane, James R.; and Sulecki, Joan M., to LTV Aerospace and Defense Company. Relative position navigation system with means for computing synthetic azimuth. 4,814,994, 3-21-89, Cl. 364-460.000.
- Doane, Leland R. Vehicle arm rest. 4,810,026, 3-7-89, Cl. 296-153.000.
- Doane, Leland R. Device for supporting objects on a vehicle door. 4,877,284, 10-31-89, Cl. 296-153.000.
- Doba, Masanori: *See*—
  - Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, 4,810,794, Cl. 546-251.000.
- Dobak, David E.: *See*—
  - Haines, Douglas I.; Stock, W. Riley; and Dobak, David E., 4,823,076, Cl. 324-121.00R.
- Dobashi, Akio: *See*—
  - Mita, Akio; Dobashi, Akio; and Kashiwabara, Susumu, 4,851,082, Cl. 162-76.000.
- Dobashi, Yoshitomi; and Inoue, Akihiro, to Kabushiki Kaisha Toshiba. Gas discharge lamp with different film thicknesses. 4,871,941, 10-3-89, Cl. 313-485.000.
- Dobashi, Yoshitomi; and Inoue, Akihiro, to Kabushiki Kaisha Toshiba. Gas discharge lamp and apparatus utilizing the same. 4,887,002, 12-12-89, Cl. 313-607.000.
- Dobay, Laszlo : *See*—
  - Fischer, Janos; Dobay, Laszlo ; Major, Mihaly; Ezer, Elemer; Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny, Laszlo , 4,879,404, Cl. 560-051.000.
- Dobbeler, Peter, to Camloc GmbH. Panel fastener with friction cones. 4,884,930, 12-5-89, Cl. 411-6.000.
- Dobbelstein, Arnold; Geist, Michael; Ott, Gunther; and Schon, Georg, to BASF Lacke & Farben Aktiengesellschaft. Products of diepoxide polyaddition with monofunctional initiators, which contain pendant epoxy groups in the backbone of the polymer. 4,824,927, 4-25-89, Cl. 528-88.000.
- Dobbelstein, Arnold; Geist, Michael; Ott, Gunther; and Schon, Georg, to BASF Lacke & Farben Aktiengesellschaft. Water-dilutable binders for cationic electrocoating finishes and a process for the preparation thereof. 4,830,722, 5-16-89, Cl. 204-181.700.
- Dobbelstein, Arnold: *See*—
  - Geist, Michael; Ott, Gunther; Schon, Georg; Dobbelstein, Arnold; and Batzill, Wolfgang, 4,818,356, Cl. 204-181.100.
- Dobberpuhl, Dale R.; and Kruel, Edward C., to Deere & Company. Power take-off shaft stabilizer unit. 4,838,101, 6-13-89, Cl. 74-15.630.
- Dobberstein, Robert H.: *See*—
  - Suzuki, Fred K.; Mead, Sharon M.; Yoshida, Noble H.; and Dobberstein, Robert H., 4,859,360, Cl. 252-299.700.
- Dobbertin, Michael T.: *See*—
  - Shifley, James D.; Dobbertin, Michael T.; Hubbard, Charles R.; and Forrest, Wayne W., 4,869,051, Cl. 53-540.000.
- Dobbins, Bob M., to Mars Incorporated. Vending machine control with improved vendor selector switch detection and decoding apparatus. 4,817,010, 3-28-89, Cl. 364-479.000.
- Dobbins, Bob M.; Regan, Raymond D.; and Zouzoulas, John, to Mars Incorporated. Jam reducing apparatus for use in a coin operated machine. 4,842,120, 6-27-89, Cl. 194-349.000.
- Dobbins, Bob M.: *See*—
  - Reger, Philip R.; and Dobbins, Bob M., 4,800,389, Cl. 342-175.000.
- Dobbins, David R., to Special Service Arms Mfg. Inc. Combination pump action autoloading rifle and shotgun. 4,867,039, 9-19-89, Cl. 89-127.000.
- Dobbins, Hugh L. Visual and auditory signaling system. 4,847,569, 7-11-89, Cl. 340-326.000.
- Dobbins, James T., III, to Duke University. Variable compensation method and apparatus for radiological images. 4,868,857, 9-19-89, Cl. 378-99.000.
- Dobbs, Bradley A.; Wigmore, David B.; and Niggemann, Richard E., to Sundstrand Corporation. Swirl flow heat exchanger with reverse spiral configuration. 4,883,117, 11-28-89, Cl. 165-164.000.
- Dobbs, Daniel R., to Sundstrand Corporation. Torsionally compliant gear for use in multiple load path transmissions. 4,831,897, 5-23-89, Cl. 74-411.000.
- Dobbs, Steven K., to Rockwell International Corporation. Wind tunnel model support mechanism. 4,862,739, 9-5-89, Cl. 73-147.000.
- Dobeli, Heinz; and Hochuli, Frich, to Hoffmann-La Roche Inc. Metal chelate resins. 4,877,830, 10-31-89, Cl. 525-54.300.
- Dober Chemical Corporation: *See*—
  - Dobrez, John F.; and Ganbarg, David, 4,842,731, Cl. 210-209.000.
- Dobereiner, Klaus; Kanzler, Ulrich; and Rauch, Hans, to Robert Bosch GmbH. Navigation method for vehicles. 4,814,989, 3-21-89, Cl. 364-444.000.
- Dobhan, Herbert; Schemmel, Bruno; Leuner, Hilmar; and Hahn, Walter, to SKF GmbH. Locking mechanism. 4,795,280, 1-3-89, Cl. 384-539.000.
- Dobhan, Herbert: *See*—
  - Bauer, Bernhard; and Dobhan, Herbert, 4,806,026, Cl. 384-486.8[illegible]
  - Bauer, Bernhard; and Dobhan, Herbert, 4,875,787, Cl. 384-546.000.
- Dobie, Michael J.: *See*—
  - Bacigalupe, Carlos; and Dobie, Michael J., 4,882,981, Cl. 99-479.000.
  - Stewart, G. Wayne; Davis, Bill E.; Thomas, William M.; Dobie, Michael J.; and Bacigalupe, Carlos, 4,846,647, Cl. 432-8.000.
- Dobkin, Robert C.; and Nelson, Carl T., to Linear Technology Corporation. Non-linear temperature generator circuit. 4,843,302, 6-27-89, Cl. 323-312.000.
- Dobkin, Robert C.: *See*—
  - Essaff, Robert; and Dobkin, Robert C., 4,812,961, Cl. 363-61.000.
  - Lai, Choong K.; and Dobkin, Robert C., 4,888,634, Cl. 357-72.000.
- Doble, Florimel; Gallego, Jose M.; Steidl, El; and Jaffan, Cyrus, to Caspian International, Inc. Process for depleted chemical milling solutions. 4,826,605, 5-2-89, Cl. 210-721.000.
- Doble, Gordon S., to Airfoil Textron Inc. Twisted hollow airfoil with non-twisted internal support ribs. 4,815,939, 3-28-89, Cl. 416-233.000.
- Dobler, Klaus; and Hachtel, Hansjorg, to Robert Bosch GmbH. Arrangement for automatic release of occupant protecting devices in the event of accident. 4,866,418, 9-12-89, Cl. 340-429.000.
- Dobler, Thomas: *See*—
  - Ammann, Urs; Dobler, Thomas; Maschek, Martin; and [illegible] Georg, 4,810,873, Cl. 250-227.000.
- Dobmeier, Rolf: *See*—
  - Fankhauser, Peter; Sinnreich, Joel; and Dobmeier, Rolf, 4,855,34[illegible] Cl. 424-434.000.
- Dobner, Alfred, to Alcan International Ltd. Cylinder head for a combustion engine. 4,854,275, 8-8-89, Cl. 123-193.00H.
- Dobner, Reinhold; Mertel, Bernhard; and Willenbacher, Erich, to Pfaff Industriemaschinen GmbH. Sewing machine with thread monitor for the bobbin thread. 4,805,544, 2-21-89, Cl. 112-278.000.
- Dobner, Reinhold, to G. M. Pfaff, Aktiengesellschaft. Apparatus for lighting a sewing area of a sewing machine. 4,841,415, 6-20-89, Cl. 362-90.000.
- Dobnick, Dennis A., to QSE Sales & Management, Inc. Notch gap transformer and lighting system incorporating same. 4,874,99[illegible] 10-17-89, Cl. 315-276.000.
- Dobos, Laszlo J., to Tektronix, Inc. Adjustable delay circuit. 4,795,[illegible] 1-3-89, Cl. 307-605.000.
- Dobos, Laszlo J., to Tektronix, Inc. Phase triggerable oscillator with temperature compensation. 4,851,789, 7-25-89, Cl. 331-108.00B.
- Dobosi, Laszlo J.; and Szima, Sandor. Medicine bottle. 4,847,[illegible] 7-11-89, Cl. 340-571.000.
- Dobosz, Irena: *See*—
  - Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; [illegible]rzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; [illegible] Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-[illegible] Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,[illegible] Cl. 556-105.000.
- Dobosz, Ronald F., to Boro, John R.; and Dobosz, Ronald F. Wind deflector. 4,875,431, 10-24-89, Cl. 116-173.000.
- Doboy Packaging Machinery, Inc.: *See*—
  - Denker, Stanley D., 4,889,224, Cl. 198-382.000.
- Doboze, Christopher K. Disposable foam plastic pizza container. 4,848,543, 7-18-89, Cl. 206-45.320.
- Dobramysl, Wilhelm: *See*—
  - Stuckler, Hubert; and Dobramysl, Wilhelm, 4,837,335, Cl. 548-367.000.
- Dobremelle, Michel: *See*—
  - Chaudon, Luc; Dobremelle, Michel; Fabre, Jean-Claude; and Geffroy, Jean, 4,834,916, Cl. 252-633.000.

- Dobreski, David V.; and Nattinger, Bruce E., to Mobil Oil Corporation. Plastic bags of blends of linear ethylene polymers and aromatic polymers. 4,804,564, 2-14-89, Cl. 428-35.500.
- Dobreski, David V.; and Donaldson, Jack J., to Mobil Oil Corporation. Films of blends of linear ethylene polymers and acrylonitrile polymers and copolymers. 4,814,385, 3-21-89, Cl. 525-238.000.
- Dobreski, David V.; Metz, Robert J.; and Morris, James, to Mobil Oil Corporation. Cling/no cling-slip stretch wrap film. 4,820,589, 4-11-89, Cl. 428-422.000.
- Dobreski, David V., to Mobil Oil Corporation. Films of linear ethylene polymer, polystyrene, and high impact polystyrene. 4,826,920, 5-2-89, Cl. 525-86.000.
- Dobrez, John F.; and Ganbarg, David, to Dober Chemical Corporation. Coolant filter manufacture and composition for use in same. 4,842,731, 6-27-89, Cl. 210-209.000.
- Dobring, Wilfried; and Gull, Peter, to Nixdorf Computer AG. Drive arrangement for a ribbon cassette. 4,822,189, 4-18-89, Cl. 400-208.000.
- Dobroski, Eugene H., to Winegard Company. Satellite dish antenna support rib apparatus. 4,860,022, 8-22-89, Cl. 343-840.000.
- Dobrova, Natalya B.: *See*—
  - Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P.; Kovarsky, Alexandr V.; and Egorov, Jury G., 4,805,424, Cl. 66-194.000.
- Dobrovolny, Pierre, to Zenith Electronics Corporation. Radio frequency mixer. 4,823,400, 4-18-89, Cl. 455-326.000.
- Dobrowsky, Josef, to Cincinnati Milacron, Inc. Method of controlling the thickness of an extruded plastic article. 4,882,104, 11-21-89, Cl. 264-40.100.
- Dobrusskin, Alexander; Heider, Jurgen; and Schade, Wolfgang, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. Discharge lamp having automatically controlled preheating device attached to envelope. 4,801,840, 1-31-89, Cl. 313-44.000.
- Dobry, Bradley M. Locker and locker-shelf insert. 4,818,044, 4-4-89, Cl. 312-257.0SM.
- Dobryakov, Valentin I.; Zhevzhik, Galina V.; Seballo, Valery A.; Zhukov, Evgeny V.; Ententeev, Altar Z.; Struzhkov, Vyacheslav N.; and Gorbachev, Alexandr S., to Gosudarstvenny Proektno-Konstruktorsky I Experimentalny Institut Po Obogatitelnomu Oboradovaniju. Mechanical flotation machine. 4,871,448, 10-3-89, Cl. 209-169.000.
- Dobson, Brian; Whyman, Peter J. M.; Doy, Ralph J.; Engel, Manfred O.; and Davies, Raymond, to Imperial Chemical Industries PLC. Chemical reactor and process. 4,882,444, 11-21-89, Cl. 549-534.000.
- Dobson, James B.: *See*—
  - Rondel, Stephen A., and Dobson, James B., 4,878,701, Cl. 292-288.000.
- Dobson, James W., Jr.; Mondshine, Alan T.; and Mondshine, Thomas C., to Texas United Chemical Corporation. Saturated brine well treating fluids and additives therefore. 4,822,500, 4-18-89, Cl. 252-8.551.
- Dobson, Keith F., and Steeves, Walter E., to Avco Corporation. Blade airfoil holding system. 4,805,351, 2-21-89, Cl. 51-217.00R.
- Dobson, Michael K., Sr., to Village of Streamwood, a part interest. Sewer cleaning device. 4,795,495, 1-3-89, Cl. 134-8.000.
- Dobson, Peter J., to U.S. Philips Corporation. Method of etching a semiconductor body. 4,838,987, 6-13-89, Cl. 156-626.000.
- Dobson, Peter J., to U.S. Philips Corp. Device and method for doubling the frequency of elecromagnetic radiation of a given frequency. 4,867,510, 9-19-89, Cl. 307-427.000.
- Dobson, Roy L. M.; Loomans, Maurice E.; Matthews, Randall S.; and Miller, Joseph A., to Procter & Gamble Company, The. Cyclic anti-inflammatory derivatives of di-tert-butylphenol compounds, compositions and use. 4,849,428, 7-18-89, Cl. 549-307.000.
- Dobyns, Kenneth P.; and Tsadilas, James R., to Tektronix, Inc. Composite chassis for electronic apparatus. 4,813,194, 3-21-89, Cl. 52-309.130.
- Docdata N.V.: *See*—
  - Beaujean, Joseph M. E., 4,814,925, Cl. 360-132.000.
- Docherty, James P.; and Johnson, Beverly E., to Salem Furnace Co. Sealed rotary hearth furnace. 4,818,222, 4-4-89, Cl. 432-138.000.
- Docherty, James P.; Johnson, Beverly E.; and Beri, Joseph, to Salem Furnace Co. Sealed rotary hearth furnace with central bearing support. 4,834,650, 5-30-89, Cl. 432-138.000.
- Docherty, John J.: *See*—
  - Pollock, Jerry J.; and Docherty, John J., 4,863,900, Cl. 514-12.000.
- Dock Leveler Manufacturing, Inc.: *See*—
  - Walker, Edward T., 4,827,549, Cl. 14-71.700.
- Dock, Ted L.: *See*—
  - Hori, Roy Y.; Lazzeri, Mark A.; Miller, Clayton R.; DeGroff, Dale A.; and Dock, Ted L., 4,813,963, Cl. 623-23.000.
- Dockendorff, James: *See*—
  - Molnar, Arpad; Adams, Darwin P.; Dockendorff, James; Quedens, Phillipp J.; and Dutko, Peter J., 4,869,257, Cl. 128-660.100.
- Docker, Leslie T.; and Whittleworth, William, to Multilastic Limited. Spring bands for incorporation in spring units. 4,886,249, 12-12-89, Cl. 267-91.000.
- Dockery, Devan T. System for extending the effective operational range of an infrared remote control system. 4,809,359, 2-28-89, Cl. 455-603.000.
- Dockner, Toni; Kempe, Uwe; and Koehler, Hermann, to BASF Aktiengesellschaft. Preparation of 4(5)-nitroimidazole-5(4)-carboxylic acids. 4,803,283, 2-7-89, Cl. 548-339.000.
- Dockner, Toni; and Sauerwald, Manfred, to BASF Aktiengesellschaft. Reduction of organic sulfur compounds. 4,822,918, 4-18-89, Cl. 568-58.000.
- Dockner, Toni; Krug, Herbert; and Nohe, Heinz, to BASF Aktiengesellschaft. Reductive dehalogenation of halogen compounds. 4,824,956, 4-25-89, Cl. 546-314.000.
- Dockner, Toni: *See*—
  - Kempe, Uwe; Dockner, Toni; Karn, Helmut; Bluemel, Thomas; Leyrer, Reinhold J.; and Loerzer, Thomas, 4,866,183, Cl. 548-336.000.
  - Koehler, Hermann; Dockner, Toni; and Karn, Helmut, 4,864,030, Cl. 548-343.000.
  - Spiegler, Wolfgang; Goetz, Norbert; Sauerwald, Manfred; Dockner, Toni; and Fischer, Rolf, 4,845,247, Cl. 549-427.000.
- Dockrey, J. William: *See*—
  - Pfiester, James R.; Parrillo, Louis C.; and Dockrey, J. William, 4,812,418, Cl. 437-069.000.
- Dockrey, Jasper W., to Motorola, Inc. Process for preferentially etching polycrystalline silicon. 4,799,991, 1-24-89, Cl. 156-643.000.
- Docks, Edward L.: *See*—
  - Hall, Iris H.; Griffin, Thomas S.; and Docks, Edward L., 4,845,130, Cl. 514-663.000.
  - Malouf, George M.; and Docks, Edward L., 4,844,725, Cl. 71-3.000.
- Docter-Optic-Wetzlar GmbH: *See*—
  - Doctor, Bernhard; and Menzel, Ingolf, 4,824,223, Cl. 350-427.000.
- Dr. Alois Stankiewicz GmbH: *See*—
  - Hoffmann, Manfred; Tonhauser, Johann; and Karg, Dieter, 4,825,974, Cl. 181-290.000.
  - Lohmar, Ernst; and Burak, Gerhard, 4,839,397, Cl. 521-159.000.
- Doctor, Bernhard; and Menzel, Ingolf, to Docter-Optic-Wetzlar GmbH. Projection objective with variable focal length. 4,824,223, 4-25-89, Cl. 350-427.000.
- Dr. C. Otto Feuerfest GmbH: *See*—
  - Koschlig, Hans-Joachim; Hartmann, Walter; Heumuller, Martin; and Kunkel, Willi, 4,833,115, Cl. 502-439.000.
  - Koschlig, Hans-Joachim; and Overkott, Engelbert, 4,866,015, Cl. 501-123.000.
- Dr. Hans Heubach GmbH & Co. KG: *See*—
  - Gawol, Manfred; and Adrian, Gerhard, 4,840,668, Cl. 106-14.210.
- Dr. Ing. h.c.F. Porsche Aktiengesellschaft: *See*—
  - Adamek, Jan; Schaich, Karl-Heinz; and Heck, Wolfgang, 4,879,015, Cl. 204-224.00R.
  - Ampferer, Herbert, 4,805,566, Cl. 123-90.150.
  - Ampferer, Herbert; and Groeger, Klaus, 4,823,748, Cl. 123-336.000.
  - Ampferer, Herbert, 4,828,536, Cl. 474-110.000.
  - Ampferer, Herbert, 4,829,942, Cl. 123-52.0MV.
  - Ampferer, Herbert; and Groeger, Klaus, 4,883,031, Cl. 123-195.00C.
  - Bantle, Manfred, 4,860,208, Cl. 364-424.100.
  - Bantle, Manfred; Munz, Volker; Zackl, Bernd; Dietz, Matthias; and Armbrust, Eberhard, 4,872,372, Cl. 74-710.500.
  - Beer, Michael; Hofbauer, August; and Knoll, Erwin, 4,798,181, Cl. 123-188.0GC.
  - Binder, Hartmut, 4,824,021, Cl. 239-284.100.
  - Burst, Hermann, 4,810,021, Cl. 296-180.100.
  - Distelrath, Winfried, 4,867,110, Cl. 123-52.0MC.
  - Durm, Juergen; and Brin, Constantin, 4,854,635, Cl. 296-180.500.
  - Durm, Juergen; and Wagner, Dieter, 4,887,681, Cl. 180-68.100.
  - Eger, Georg; and Srock, Rainer, 4,797,971, Cl. 16-82.000.
  - Eger, Georg; and Pross, Walter, 4,842,193, Cl. 237-12.30A.
  - Eyb, Wolfgang, 4,819,982, Cl. 296-107.000.
  - Fischle, Rudiger, 4,817,968, Cl. 277-226.000.
  - Gausrab, Klaus; Hauser, Joachim; and Mueller, Robert, 4,882,950, Cl. 74-714.000.
  - Gietzen, Staas; Weiner, Hans; Hain, Klaus; Hofbauer, August; and Hawener, Juergen, 4,875,643, Cl. 244-53.00A.
  - Groger, Klaus; Mittermeier, Walter; Binder, Robert; and Diehm, Volker, 4,832,664, Cl. 474-111.000.
  - Gruden, Dusan, 4,811,708, Cl. 123-299.000.
  - Hain, Klaus; Bessing, Klaus-Peter; and Bruestle, Claus, 4,807,439, Cl. 60-602.000.
  - Hain, Klaus; Hofbauer, August; and Hochkonig, Manfred, 4,830,312, Cl. 244-17.110.
  - Hain, Klaus; Beer, Michael; and Gietzen, Staas, 4,841,926, Cl. 123-146.50A.
  - Hawener, Juergen; Havemann, Kim; and Sivers, Rolf V., 4,872,624, Cl. 244-54.000.
  - Hempel, Ulrich, 4,811,984, Cl. 296-97.220.
  - Hempel, Ulrich; and Osterle, Josef, 4,846,208, Cl. 137-43.000.
  - Hoebel, Peter, 4,824,264, Cl. 384-473.000.
  - Kamke, Reinhard; Bartels, Hermann A.; Heseler, Horst; Srock, Rainer; and Eger, Georg, 4,843,849, Cl. 70-264.000.
  - Kolb, Eugen, 4,838,601, Cl. 296-128.000.
  - Kolb, Eugen, 4,840,419, Cl. 296-108.000.
  - Kroniger, Wilhelm, 4,799,575, Cl. 188-71.600.
  - Kroniger, Wilhelm; Martin, Roland; and Aydt, Guenter, 4,886,147, Cl. 188-73.370.
  - Mahncke, Juergen; Kuesters, Heinz-Peter; and Mayer, Hartmut, 4,862,986, Cl. 180-155.000.
  - Mezger, Hans; Schmid, Peter; and Nowak, Dieter, 4,864,988, Cl. 123-198.00C.
  - Moedinger, Wolfgang; Preus, Michael; and Lechner, Reinhard, 4,805,747, Cl. 188-264.00A.
  - Muller, Robert, 4,872,361, Cl. 74-473.00R.
  - Peter, Dietmar; and Poppele, Gebhard, 4,811,979, Cl. 293-102.000.
  - Richter, Axel, 4,853,841, Cl. 364-200.000.
  - Rispeter, Siegfried, 4,883,142, Cl. 180-245.000.
  - Schaible, Walter, 4,871,187, Cl. 280-667.000.
  - Schempp, Ulrich; and Ruehr, Volker, 4,854,646, Cl. 301-65.000.

Schlachter, Reimund; and Homann, Bodo, 4,830,426, Cl. 296-121.000.
Schneider, Klaus; Esch, Hans-Joachim; and Tran, Van-Khanh, 4,867,111, Cl. 123-90.110.
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Trenkler, Werner, 4,801,173, Cl. 296-218.000.
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von Broock, Ulrich, 4,858,900, Cl. 267-219.000.
von Broock, Ulrich, 4,889,207, Cl. 180-291.000.
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Dr. Ing. Rudolf Hell GmbH: *See—*
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Dr. Johannes Heidenhain GmbH: *See—*
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Dr. Karl Thomae GmbH: *See—*
Brickl, Rolf; Schepky, Gottfried; Rupprecht, Eckhard; and Greischel, Andreas, 4,873,080, Cl. 424-80.000.
Engel, Wolfhard; Eberlein, Wolfgang; Mihm, Gerhard; Trummlitz, Gunter; Mayer, Norbert; and De Jonge, Adriaan, 4,873,236, Cl. 514-220.000.
Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.
Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, 4,871,735, Cl. 514-213.000.
Narr, Berthold; Hauel, Norbert; Noll, Klaus; Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; van Meel, Jacques; and Diederen, Willi, 4,831,027, Cl. 514-212.000.
Nickl, Josef; Heckel, Armin; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,820,705, Cl. 514-247.000.
Reiffen, Manfred; Hurnaus, Rudolf; Sauter, Robert; Grell, Wolfgang; and Rupprecht, Eckhard, 4,886,814, Cl. 514-326.000.
Schepky, Gottfried; Brickl, Rolf; Rupprecht, Eckhard; and Greischel, Andreas, 4,863,724, Cl. 424-80.000.
Seydel, Joachim K.; Pieper, Helmut; Kruger, Gerd; Noll, Klaus; Keck, Johannes; and Lechner, Uwe, 4,829,058, Cl. 514-155.000.
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Dr. Kurt Mulli Nachf. GmbH & Co. KG: *See—*
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Dr. Lo. Zambeletti S.p.A.: *See—*
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Giordani, Antonio; and Vecchietti, Vittorio, 4,879,300, Cl. 514-317.000.
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Vecchietti, Vittorio; Signorini, Massimo; and Giordani, Antonio, 4,826,819, Cl. 514-212.000.

Dr. Madaus & Co.: *See—*
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Madaus, Rolf; Stumpf, Werner; Gorler, Klaus; and Carcasona-Beltran, Alfonso, 4,820,870, Cl. 562-584.000.
Madaus, Rolf; and Bruesewitz, Gerhard, 4,830,970, Cl. 435-296.000.

Dr. Madaus GmbH & Co.: *See—*
Madaus, Rolf; Gorler, Klaus; and Soicke, Hartwig, 4,871,763, Cl. 514-45.200.

Dr. Madis Laboratories, Inc.: *See—*
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Dr. Muller-Lierheim AG: *See—*
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Dr. Rentschler Arzneimittel GmbH & Co.: *See—*
Nandi, Kumaresh; Fi[illegible]ner, Helga; Herrmann, Wilfried; Kohne, Hans; Lahr, Wolfgang; Schmersahl, Hein U.; and Walch, Hatto, 4,855,300, Cl. 514-264.000.
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Dr. Thomastik und Mitarbeiter Offene Handelsgesellschaft: *See—*
Infeld, Peter, 4,854,213, Cl. 84-297.00S.

Dr. W. Ingold AG: *See—*
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Klein, Joachim; Vorlop, Klaus-Dieter; and Becke, Jurgen W., 4,869,873, Cl. 422-51.000.

Dr. Willmar Schwabe GmbH & Company: *See—*
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Dr. Wolman GmbH: *See—*
Goettsche, Reimer; Marx, Hans-Norbert; and Hettler, Wendelin, 4,857,322, Cl. 424-633.000.
Goettsche, Reimer; and Marx, Hans-Norbert, 4,871,473, Cl. 252-400.520.

Dodd, Colin R.; Iaia, Thomas C., Jr.; and McLaughlin, William J., to Xerox Corporation. Multiple plane corrugation-vented bottom vacuum corrugation feeder. 4,813,660, 3-21-89, Cl. 271-11.000.

Dodd, Harry D.; and Pedersen, Harry. Rotary dressing roller and method and apparatus for dressing cup-shaped grinding wheels. 4,862,868, 9-5-89, Cl. 125-11.0CD.

Dodd, Ian: *See—*
Robinson, Jeffery H.; and Dodd, Ian, 4,880,776, Cl. 514-2.000.

Dodd, John H.: *See—*
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Schwender, Charles F.; and Dodd, John H., 4,879,384, Cl. 546-114.000.

Dodd, Roy B.: *See—*
Giles, Durham K.; Delwiche, Michael J.; and Dodd, Roy B., 4,823,268, Cl. 364-424.070.

Dodd, Timothy J.: *See—*
Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.

Doddapaneni, Narayan; Chua, David L.; Hoff, Gerald F.; and Jensen, James D., to Honeywell Inc. Safety cathode for non-aqueous electrochemical cell. 4,822,700, 4-18-89, Cl. 429-50.000.

Doddi, Namassivaya: *See—*
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Doddington, George: *See—*
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Doddington, George R.: *See—*
Picone, Joseph W.; and Doddington, George R., 4,815,134, Cl. 381-31.000.
Schalk, Thomas B.; and Doddington, George R., 4,831,551, Cl. 364-513.500.

Doddrell, David M.; and Irving, Michael G. Method for the determination of iron stores in organic tissue and NMR spectrometer for performing this method. 4,889,125, 12-26-89, Cl. 128-653.000.

Doddrell, David M.; and Irving, Michael G. Method for determining the turnover of organic material in living tissue and NMR spectrometer for performing this method. 4,889,126, 12-26-89, Cl. 128-653.000.

Dodds, Diego E. F., to Dodds-Oboler, Inc. Heat exchanging apparatus for cooling and condensing by evaporation. 4,842,049, 6-27-89, Cl. 165-46.000.

Dodds, John J., to Boeing Company, The. Silicone rubber vacuum bag tool. 4,824,513, 4-25-89, Cl. 156-382.000.

Dodds-Oboler, Inc.: *See—*
Dodds, Diego E. F., 4,842,049, Cl. 165-46.000.

Dodds, Ralph L.: *See—*
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Doden, Terrence L.: *See—*
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Dodge, Allen L.: *See—*
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Dodge, David; and Lanvers, Jean-Francois, to Lange International S.A. Ski boot. 4,841,650, 6-27-89, Cl. 36-119.000.

Dodge, David J., to Lange International S.A. Ski boot. 4,839,971, 6-20-89, Cl. 36-121.000.

Dodge, Dennis W., to Itek Graphix Corp. Non-contact led-array image printer. 4,837,589, 6-6-89, Cl. 346-108.000.

Dodge, John W.; Rabett, Alan R.; and Mottram, Denis J., to British Aerospace Public Limited Company. Open sea transfer of fluids. 4,867,211, 9-19-89, Cl. 141-279.000.

Dodge, Robert G.: *See—*
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Dodier, Paul J., to United States of America, Navy. Underwater connect and disconnect plug and receptacle. 4,838,797, 6-13-89, Cl. 439-38.000.

Dodiuk, Hanna, to State of Israel, Ministry of Defence, Armament Development Authority, Rafel. Triglycidyl ether/tetraglycidyl ether/alkadiene rubber/polyalkylene polyamine formulation. 4,841,010, 6-20-89, Cl. 528-99.000.

Dodmann, Gerd; Kroggel, Otto; Fey, Jochen; Kopp, Harald; and Fritz, Christoph, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. Method and apparatus for measuring diameter of a steel reinforcement rod embedded in concrete and the thickness of the concrete overlayer. 4,837,509, 6-6-89, Cl. 324-207.000.

Dodrill, Gregg W. Auxiliary supply system for a portable self-contained breathing apparatus. 4,841,953, 6-27-89, Cl. 128-202.270.

Dodrill, Jim: *See—*
Darley, Henry M.; Gill, Michael C.; Earl, Dale C.; Ngo, Dinh T.; Wang, Paul C.; Hipona, Maria B. L.; and Dodrill, Jim, 4,878,19 Cl. 364-752.000.

Dodson, Clifford. Grasping gaff. 4,845,876, 7-11-89, Cl. 43-5.000.

Dodson-Edgars, Darryl. Gap, wear and tram measurement system and method for grinding machines. 4,820,980, 4-11-89, Cl. 324-207.000

Dodson, Guy: *See—*
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Dodson, Marian L. Endotracheal suction catheter. 4,795,447, 1-3-89, Cl. 604-268.000.

Dodson, Michael G.: *See—*
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Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Dodson, Stuart A.; Galemmo, Robert A., Jr.; and Durham, Pamela J., 4,816,583, Cl. 544-7.000.

Dodsworth, John. Abrasive product. 4,866,885, 9-19-89, Cl. 51-293.000.

Dodt, Hans-Walter, to Carl Schenck AG. Method and apparatus for cooling an eddy current powder absorption unit. 4,864,172, 9-5-89, Cl. 310-59.000.

Dodt, Johannes: *See—*
Fritz, Hans; Dodt, Johannes; Seemuller, Ursula; and Fink, Ernst, 4,801,576, Cl. 514-12.000.

Doduco KG: *See—*
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Doduco KG. Dr. Eugen Durrwachter: *See—*
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Doe, Lester A., to R. T. Vanderbilt Company, Inc. Antioxidant synergists for lubricating compositions. 4,880,551, 11-14-89, Cl. 252-47.500.

Doe, Lester A., Jr., to R. T. Vanderbilt Company, Inc. Rubber compositions containing phenol derivatives of 1,3,4-thiadiazole. 4,818,778, 4-4-89, Cl. 524-83.000.

Doe, Peter H.: *See—*
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Mumallah, Naim A.; and Doe, Peter H., 4,845,134, Cl. 523-130.000.

Doe, Ralph W.; Hansen, Stephen P.; and Brown, Kenneth M., to Digital Equipment Corporation. Method of assembling tab bonded semiconductor chip package. 4,843,695, 7-4-89, Cl. 29-827.000.

Doe Run Company, The: *See—*
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Doebert, Michael; Guenther, Werner; Heubeck, Erich; Muether, Manfred; and Molitor, Dieter, to Siemens Aktiengesellschaft. Dental X-ray diagnostic installation for producing panoramic tomograms of the jaw of a patient. 4,811,372, 3-7-89, Cl. 378-39.000.

Doebert, Michael: *See—*
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Doege, Gunter; Jakob, Peter; and Wilhelmy, Ing L., to Hubner Elektromaschinen AG. Commutator for an electric machine. 4,851,728, 7-25-89, Cl. 310-233.000.

Doehler, Gottfried H.; Scott, Caroline J.; Trott, Gary R.; and Boatman, Betty, to Hewlett-Packard Company. High-gain photodetectors made from NIPI mesas with selective lateral contacts. 4,839,714, 6-13-89, Cl. 357-71.000.

Doehler, Joachim; Hudgens, Stephen J.; Ovshinsky, Stanford R.; Dotter II, Buddie; Peedin, Lester R.; Krisko, Jeffrey M.; and Krisko, Annette, to Energy Conversion Devices, Inc. Method for the high rate plasma deposition of high quality material. 4,883,686, 11-28-89, Cl. 427-38.000.

Doehmel, Kurt, to Shell Oil Company. Ship provided with air deflector. 4,843,997, 7-4-89, Cl. 114-270.000.

Doehner, Robert F., Jr., to American Cyanamid Company. Alkyl esters of substituted 2-methyl-3-quinolinecarboxylic acid and quinoline-2,3-dicarboxylic acid. 4,843,162, 6-27-89, Cl. 546-170.000.

Doehner, Robert F., Jr., to American Cyanamid Company. Herbicidal o-(substituted, aminomethyl)benzoic, nicotinic and quinoline-3-carboxylic acids, esters, and salts. 4,861,887, 8-29-89, Cl. 546-170.000.

Doehner, Robert F., Jr.: *See—*
Alvarado, Sergio I.; Crews, Alvin D., Jr.; Wepplo, Peter J.; Doehner, Robert F., Jr.; Brady, Thomas E.; Gange, David M.; and Little, Desiree L., 4,883,914, Cl. 564-91.000.

Doeling, Wallace D., to Tektronix, Inc. Method of fabricating a circuit board. 4,856,184, 8-15-89, Cl. 29-852.000.

Doelle, Horst W., to University of Queensland, The. Conversion of sucrose to fructose and ethanol. 4,797,360, 1-10-89, Cl. 435-105.000.

Doelling, Michael K.: *See—*
Valorose, Joseph J., Jr.; Biehl, Raymond J.; Sheth, Nitin V.; Strathy, Walter A.; and Doelling, Michael K., 4,837,030, Cl. 424-456.000.

Doemen, Benno, to Papst-Motoren GmbH & Co. KG. Circuit arrangement for generating a measurement signal associated with the frequency of an alternating current signal. 4,823,060, 4-18-89, Cl. 318-464.000.

Doemens, Guenter; Eigenstetter, Herbert; and Mengel, Peter, to Siemens Aktiengesellschaft. Method for high precision position measurement of two-dimensional structures. 4,814,626, 3-21-89, Cl. 250-561.000.

Doemens, Guenter, to Siemens Aktiengesellschaft. Integral temperature measurement in electrical machines, transformers and energy conversion systems. 4,863,280, 9-5-89, Cl. 374-119.000.

Doench, Jurgen: *See—*
Rauert, Max-Otto; Sporenberg, Heinrich; Doench, Jurgen; and May, Ewald, 4,830,152, Cl. 188-322.150.

Doenges, Gerhard; Dietrich, Rolf; Thoma, Helmut; and Von Unger, Eckart-Alfred, to Heimann GmbH. X-ray scanner for inspecting articles moving therethrough. 4,841,554, 6-20-89, Cl. 378-57.000.

Doerffer, Jerzy W.; Rowinski, Lech; Niepieklo, Andrzej; Klopocki, Jan; and Siwek, Boguslaw, to Politechnika Gdanska. Free fall submersible life saving device for offshore structures. 4,822,311, 4-18-89, Cl. 441-87.000.

Doerfler, Peter: *See—*
Rolker, Jurgen; Doerfler, Peter; Kleine, Volker; and Meyknecht, Johannes, 4,825,198, Cl. 340-605.000.

Doering, Arlin B., to Minnesota Mining and Manufacturing Company. Recording disk with low total indicated runout. 4,797,764, 1-10-89, Cl. 360-135.000.

Doering, Charles W.; Caudill, Garland E.; Johnson, Henry L.; and Thomas, Bruce A., to Brinly-Hardy Co., Inc. Collector cart. 4,836,610, 6-6-89, Cl. 298-6.000.

Doering, Egon L., to Shell Oil Company. Synthesis gas generation complex and process. 4,799,356, 1-24-89, Cl. 60-648.000.

Doering, Egon L.: *See—*
Russell, Paul F.; Doering, Egon L.; Segerstrom, Clifford C.; Stil, Jacob H.; Harenslak, Gerd; and van Kessel, Matheus M., 4,836,146, Cl. 122-379.000.

Doering, Elko: *See—*
Kempter, Meinrad; and Doering, Elko, 4,809,014, Cl. 346-76.00L.

Doering, John P., to Texaco Inc. Rectangular bottle for motor oil and like fluids. 4,877,142, 10-31-89, Cl. 215-1.00C.

Doering, Karlheinz; Grimm, Karl J.; and Bertelsmeier, Manfred, to Siemens Aktiengesellschaft. System for the simultaneous operation of a plurality of terminal equipment at a network terminating unit of a broadband network. 4,847,833, 7-11-89, Cl. 370-85.000.

Doering, Robert R.: *See—*
Chen, Ih-Chin; Shen, Bing W.; and Doering, Robert R., 4,882,649, Cl. 361-313.000.
Teng, Clarence W.; Doering, Robert R.; and Shah, Ashwin H., 4,830,978, Cl. 437-52.000.

Doering, Roger W., to Digital Electronics Corporation. Touch panel display assembly. 4,812,830, 3-14-89, Cl. 340-712.000.

Doering, Roger W., to Digital Electronics. Infrared touch panel. 4,868,912, 9-19-89, Cl. 340-706.000.

Doerksen, Ben F.; and Nattinger, Donald M., to Doerksen, Ben F. Tire pressure monitoring system. 4,816,802, 3-28-89, Cl. 340-447.000.

Doerksen, Bradley L. J. Foldable bookstand. 4,886,231, 12-12-89, Cl. 248-455.000.

Doernemann, Manfred; and Reif, Helmut, to Degesch GmbH. Method and apparatus for the preparation of a disinfecting fluid. 4,814,154, 3-21-89, Cl. 423-299.000.

Doerning, Mark S.: *See—*
Gammarino, Rudolph R.; Doerning, Mark S.; and Cuccia, Barry J., 4,823,401, Cl. 455-606.000.

Doerr, Hans J.: *See—*
Desphandey, Chandra V.; Bunshah, Rointan F.; and Doerr, Hans J., 4,816,291, Cl. 427-38.000.

Doerr, Kurt: *See—*
Richter, Juergen; Grau, Werner; Maurer, Gerd; Domas, Friedrich; Loeser, Werner; Bender, Rainer; Schulze, Axel-Ruediger; and Doerr, Kurt, 4,835,909, Cl. 51-281.0SF.

Doerr, Marvin L., to Celanese Fibers, Inc. Polymerization process for the preparation of poly(butylene terephthalate). 4,824,930, 4-25-89, Cl. 528-272.000.

Doerr, Richard E.; Roberts, Margaret A.; and Brown, Harry J., to Consolication Coal Company. Mine haulage method and apparatus. 4,798,279, 1-17-89, Cl. 198-594.000.

Doerr, Richard E.; and McCormick, Thomas W., to Consolidation Coal Company. Drive arrangement for tramming conveyor. 4,817,786, 4-4-89, Cl. 198-834.000.

Doerrfeld, Leonard G. Golf training and practice device. 4,796,892, 1-10-89, Cl. 273-183.00E.

Doery, Michael S., to Xerox Corporation. Binding apparatus. 4,797,048, 1-10-89, Cl. 412-11.000.

Doery, Michael S., to Xerox Corporation. Copier on-line variable tab cutter. 4,819,021, 4-4-89, Cl. 355-13.000.

Doessel, Karl-Friedrich: *See—*
Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,256, Cl. 526-75.000.
Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,257, Cl. 526-75.000.

Doetsch, Hans P.: *See—*
Schneider, Christian; Doetsch, Hans P.; Krauss, Helmut; and Hofer, Hans, 4,819,432, Cl. 60-525.000.

Dogadko, Peter; and Remmers, Gregry M., to Outboard Marine Corporation. Under the flywheel ignition system. 4,862,861, 9-5-89, Cl. 123-599.000.

Dogahara, Takashi: *See—*
Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.

Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, 4,850,317, Cl. 123-306.000.

Shimada, Makoto; and Dogahara, Takashi, 4,811,713, Cl. 123-399.000.

Doge, Ulrich, to Koyemann Werkzeuge GmbH. Drill bar with a cutter insert. 4,880,339, 11-14-89, Cl. 408-161.000.

Doggett, David E., to Synergy Computer Graphics Corp. Registration system for a moving substrate. 4,808,832, 2-28-89, Cl. 250-548.000.

Dogru, Ali H.; and Sprunt, Eve S., to Mobil Oil Corporation. Method for determining relative permeability of a subterranean reservoir. 4,868,751, 9-19-89, Cl. 364-422.000.

Doheny, Anthony J., to Kendall Company, The. Heat shrinkable wraps. 4,874,665, 10-17-89, Cl. 428-345.000.

Doherr, Karl-Friedrich: *See—*

Synofzik, Reinhard; Doherr, Karl-Friedrich; Munscher, Dieter; and Saliaris, Christos, 4,860,660, Cl. 102-501.000.

Doherty, James B.; Hagmann, William K.; Finke, Paul E.; and Shah, Shrenik K., to Merck & Co., Inc. Tetrazolyl derivatives of beta-lactams useful as elastase inhibitors. 4,845,088, 7-4-89, Cl. 514-202.000.

Doherty, James B.: *See—*

Finke, Paul E.; Zimmerman, Morris; Doherty, James B.; Ashe, Bonnie Mae; and Dorn, Conrad P., 4,797,396, Cl. 514-210.000.

Thompson, Kevan R.; Finke, Paul E.; and Doherty, James B., 4,847,247, Cl. 514-194.000.

Doherty, Joseph P.; and Marek, James C., to United States of America, Energy. Precipitate hydrolysis process for the removal of organic compounds from nuclear waste slurries. 4,840,765, 6-20-89, Cl. 376-310.000.

Doherty, Niall: *See—*

Ku, George; and Doherty, Niall, 4,870,101, Cl. 514-476.000.

Doherty, Paul D.; Tackett, Timothy N.; and Gavin, Lawrence R., to General Motors Corporation. Sealed electrical and pneumatic connector. 4,886,466, 12-12-89, Cl. 439-191.000.

Doherty, Thomas E.: *See—*

Esser, Theodor; and Doherty, Thomas E., 4,887,612, Cl. 128-751.000.

Doherty, William G.; McCoy, Mark; and Sharp, David J., to Union Carbide Corporation. Plasma spray apparatus for coating irregular internal surfaces. 4,866,241, 9-12-89, Cl. 219-121.470.

Dohgome, Hirofumi: *See—*

Enomoto, Hiromu; Dohgome, Hirofumi; Kumagai, Masao; Nakamura, Toru; and Yoshiyama, Kimitaka, 4,883,975, Cl. 307-290.000.

Dohi, Hidehiko: *See—*

Tanigawa, Motoshi; Dohi, Hidehiko; Nishimura, Takashi; Ichikawa, Kouji; and Koishi, Tetsuo, 4,877,071, Cl. 152-165.000.

Dohi, Hideyuki: *See—*

Kawakami, Shigenobu; Endo, Keiji; Dohi, Hideyuki; and Sato, Atsushi, 4,802,058, Cl. 361-315.000.

Sato, Atsushi; Kawakami, Shigenobu; Endo, Keiji; and Dohi, Hideyuki, 4,870,221, Cl. 585-6.300.

Dohi, Katsuji; Kumada, Akira; and Murata, Michihiro, to Murata Mfg. Co., Ltd. Temperature sensor. 4,883,366, 11-28-89, Cl. 374-184.000.

Dohi, Kazuhito: *See—*

Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.

Dohke, Harumi: *See—*

Izawa, Minoru; Hamamoto, Tadanao; Ishikawa, Masaru; Dohke, Harumi; and Nakano, Tasuku, 4,890,037, Cl. 315-77.000.

Dohler, Gottfried H.; Hasnain, Ghulam; and Miller, Jeffrey N., to Hewlett-Packard Company. Selective NIPI doping super lattice contacts and other semiconductor device structures formed by shadow masking fabrication. 4,883,770, 11-28-89, Cl. 437-110.000.

Dohler, Werner; Holighaus, Rolf; and Niemann, Klaus, to Veba Oel Aktiengesellschaft. Hydrogenation of mineral oils contaminated with chlorinated hydrocarbons. 4,810,365, 3-7-89, Cl. 208-262.100.

Dohnke, Karl-Otto: *See—*

Stich-Baumeister, Eva-M.; Dohnke, Karl-Otto; and Winnacker, Albrecht, 4,872,759, Cl. 356-432.000.

Dohnomoto, Tadashi: *See—*

Hamajima, Kaneo; Tanaka, Atsuo; Kubo, Masahiro; and Dohnomoto, Tadashi, 4,852,630, Cl. 164-761.000.

Tanaka, Atsuo; Dohnomoto, Tadashi; and Kajikawa, Yoshiaki, 4,804,586, Cl. 428-611.000.

Dohogne, L. Ranney; and Heilman, Raymond D., to Emerson Electric Co. Dynamoelectric machine construction and method. 4,841,183, 6-20-89, Cl. 310-90.000.

Dohogne, L. Ranney, to Emerson Electric Co. Hall effect assembly for mounting to stators. 4,847,527, 7-11-89, Cl. 310-218.000.

Dohzono, Masatake; Miyashita, Iwao; and Abe, Norihiro, to KAO Corporation. Absorbent member. 4,835,042, 5-30-89, Cl. 428-218.000.

Doi, Akio, to International Business Machines Corporation. Method for generating images. 4,865,423, 9-12-89, Cl. 350-320.000.

Doi, Akira: *See—*

Yoshioka, Takashi; and Doi, Akira, 4,882,238, Cl. 428-698.000.

Doi, Alfred. Ultraviolet protective overcoat for application to heat sensitive record materials. 4,886,774, 12-12-89, Cl. 503-226.000.

Doi, Atsuhiro, to Fuji Photo Film Co., Ltd. Method for compensating temperature to a thermal head. 4,814,787, 3-21-89, Cl. 346-1.100.

Doi, Eiji, to Kewpie Kabushiki Kaisha; and Kyowa Kikai Kabushiki Kaisha. Apparatus for transferring objects to be processed such as eggs or the like. 4,863,008, 9-5-89, Cl. 198-433.000.

Doi, Hajime; Akai, Norio; and Matsumoto, Fujio, to Hitachi Maxell Ltd. Disk cartridge with cleaning sheet of non-woven fabric 4,803,584, 2-7-89, Cl. 360-133.000.

Doi, Haruo: *See—*

Kamigaito, Osami; Doi, Haruo; Noda, Shoji; and Kouzaki, Masao, 4,824,262, Cl. 384-42.000.

Doi, Hiroshi; and Inoue, Masanori, to Nippon Oil and Fats Co., Ltd Hydrated adhesive gel and method for preparing the same. 4,839,345, 6-13-89, Cl. 514-21.000.

Doi, Hiroshi: *See—*

Masuoka, Shigeru; and Doi, Hiroshi, 4,883,852, Cl. 526-279.000.

Doi, Hiroyuki: *See—*

Usami, Kenichi; Kirihara, Seishin; Morimoto, Tadaoki; Doi, Hiroyuki; and Okada, Michiya, 4,802,894, Cl. 48-77.000.

Doi, Isao; Hotomi, Hideo; and Natsuhasra, Toshiya, to Minolta Camera Kabushiki Kaisha. Triboelectrically charging member. 4,847,653, 7-11-89, Cl. 355-245.000.

Doi, Isao: *See—*

Hotomi, Hideo; Osawa, Izumi; Iino, Syuji; Doi, Isao; and Fujiwara, Masanori, 4,876,168, Cl. 430-58.000.

Iino, Shuji; Hotomi, Hideo; Fujiwara, Masanori; Doi, Isao; and Osawa, Izumi, 4,801,515, Cl. 430-66.000.

Iino, Shuji; Hotomi, Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,810,606, Cl. 430-58.000.

Iino, Shuji; Hotomi Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,863,821, Cl. 430-58.000.

Masaki, Kenji; Osawa, Izumi; Fujiwara, Masanori; Doi, Isao; and Takedomi, Yumiko, 4,886,724, Cl. 430-66.000.

Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Nakamura, Mitsutoshi; and Doi, Isao, 4,851,313, Cl. 430-58.000.

Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Masaki, Kenji; and Doi, Isao, 4,882,256, Cl. 430-66.000.

Doi, Katsumi. Machine tool. 4,799,835, 1-24-89, Cl. 409-219.000.

Doi, Kazuhiro; Fujii, Bunichiro; Honda, Naoki; Kanesaka, Hiroyuki; and Tsuchida, Hirofumi, to Nissan Motor Company, Limited. System for shaking water off windshield. 4,833,373, 5-23-89, Cl. 318-114.000.

Doi, Koichi: *See—*

Nose, Toshimitsu; Ohashi, Toshio; and Doi, Koichi, 4,825,756, Cl. 98-2.000.

Takada, Yutaka; Doi, Koichi; Yamazaki, Tsutomu; and Obata, Yutaka, 4,856,710, Cl. 236-13.000.

Doi, Kouichi, to Japan Crown Cork Co., Ltd. Composite vessel lid. 4,880,127, 11-14-89, Cl. 215-252.000.

Doi, Kunio; and Katsuragawa, Shigehiko, to University of Chicago. Method and system for automated classification of distinction between normal lungs and abnormal lungs with interstitial disease in digital chest radiographs. 4,839,807, 6-13-89, Cl. 364-413.130.

Doi, Kunio; and Kume, Yuichiro, to University of Chicago. Method and system for removing scatter and veiling glate and other artifacts in digital radiography. 4,841,555, 6-20-89, Cl. 378-99.000.

Doi, Kunio; and Katsuragawa, Shigehiko, to University of Chicago. Method and system for localization of inter-rib spaces and automated lung texture analysis in digital chest-radiographs. 4,851,984, 7-25-89, Cl. 364-413.230.

Doi, Kunio: *See—*

Fencil, Laura E.; Metz, Charles E.; and Doi, Kunio, 4,875,165, Cl. 364-413.220.

Doi, Makoto; Nakajima, Hiroyukio; Miyamoto, Fumiyuki; Oka, Seiji; and Nonogaki, Mitsuhiro, to Mitsubishi Denki Kabushiki Kaisha. Electrical insulating resin. 4,882,389, 11-21-89, Cl. 525-310.000.

Doi, Masaharu: *See—*

Fukuda, Kenichi; Mori, Takashi; Kurauchi, Yasuhiro; Doi, Masaharu; and Suematsu, Tetsuya, 4,877,498, Cl. 204-86.000.

Doi, Masayuki; Asahi, Naotatsu; Kojima, Yoshitaka; Kanamaru, Hisanobu; and Aoyama, Susumu, to Hitachi, Ltd. High water-resistant member, and valve gear using the same for use in internal combustion engine. 4,873,150, 10-10-89, Cl. 428-627.000.

Doi, Miwako: *See—*

Iwai, Isamu; Okamoto, Toshio; and Doi, Miwako, 4,876,665, Cl. 364-900.000.

Okamoto, Toshio; Doi, Miwako; and Iwai, Isamu, 4,813,010, Cl. 364-900.000.

Doi, Motomichi; Izushi, Minetoshi; Kawaike, Kazuhiko; and Urashima, Masayuki, to Hitachi, Ltd. Screw compressor. 4,878,820, 11-7-89, Cl. 418-203.000.

Doi, Muneharu: *See—*

Asahi, Satoru; Tsunemi, Yutaka; and Doi, Muneharu, 4,839,285, Cl. 435-87.000.

Tsunemi, Yutaka; Asahi, Satoru; and Doi, Muneharu, 4,880,736, Cl. 435-87.000.

Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, to Hitachi, Ltd.; and Hitachi Video Engineering, Inc. Decoding device for digital signals. 4,827,489, 5-2-89, Cl. 375-94.000.

Doi, Nobukazu: *See—*

Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Masuo; Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Nobuo, 4,868,853, Cl. 375-111.000.

Doi, Shigeo: *See—*

Shishido, Hideomi; Doi, Shigeo; Sumida, Hideki; and Tanaka, Masayuki, 4,856,781, Cl. 273-65.00E.

Doi, Shigetoshi; Anan, Yoshiaki; Nagaoka, Hirofumi; Iida, Katsumi; and Sakurai, Yoshihiko, to Mazda Motor Corporation; and Diesel Kiki Co., Ltd. Troubleshooting apparatus for automobile air-conditioning system. 4,827,730, 5-9-89, Cl. 62-127.000.

Doi, Shigetoshi; Nagayama, Yoshiaki; Iida, Katsumi; and Sakurai, Yoshihiko, to Mazda Motor Corporation; and Diesel Kiki Co., Ltd. Automobile air-conditioning apparatus with air blower control. 4,858,677, 8-22-89, Cl. 165-12.000.

Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, to Meiji Seika Kaisha, Ltd.; Kyushu Nyugyo Co., Ltd.; and Izumi Food Machinery Co., Ltd. Process for the manufacture of packed aseptic soybean curd. 4,828,869, 5-9-89, Cl. 426-656.000.

Doi, Shunichi; and Takayanagi, Yasuyuki, to Nitto Chemical Industry Co., Ltd. Process for producing N-substituted maleimides. 4,812,579, 3-14-89, Cl. 548-548.000.

Doi, Shunichi: *See—*

Ikemoto, Hiroyuki; Oowa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,797,823, Cl. 364-424.050.

Ikemoto, Hiroyuki; Owa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,807,128, Cl. 364-424.050.

Ikemoto, Hiroyuki; Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; and Doi, Shunichi, 4,821,188, Cl. 364-424.100.

Ikemoto, Hiroyuki; Arai, Yasuji; Yasuike, Osamu; Oowa, Nobutaka; and Doi, Shunichi, 4,821,191, Cl. 364-424.100.

Mizuno, Masahiko; Amano, Yasushi; Yasuda, Eiichi; Doi, Shunichi; Hayashi, Yasutaka; and Yamaguchi, Hiroyuki, 4,834,205, Cl. 180-141.000.

Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; Ikemoto, Hiroyuki; and Doi, Shunichi, 4,809,176, Cl. 364-424.000.

Yasuike, Osamu; Arai, Yasuji; Ikemoto, Hiroyuki; Owa, Nobutaka; and Doi, Shunichi, 4,803,627, Cl. 364-424.050.

Doi, Takao; Yamada, Yutaka; and Kozawa, Shigeyuki, to Asahi Glass Company Ltd. Epoxy resin composition. 4,868,252, 9-19-89, Cl. 525-530.000.

Doi, Takashi: *See—*

Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, 4,833,665, Cl. 369-58.000.

Doi, Toshiaki: *See—*

Yoshiro, Ashina; Yamaguchi, Yasumasa; Nishida, Masashi; and Doi, Toshiaki, 4,844,809, Cl. 210-636.000.

Doi, Toshik. Shinonaga, Hidec; and Kuribayashi, Hideyuki, to Sumitomo Chemical Company, Limited. Polyolefin composition and molded article obtained therefrom. 4,816,340, 3-28-89, Cl. 428-424.800.

Doi, Toshiki: *See—*

Tatsukami, Yoshiharu; Doi, Toshiki; and Oka, Masahiko, 4,812,011, Cl. 350-96.340.

Doi, Toshio: *See—*

Hayashi, Takehisa; Ishibashi, Kenichi; and Doi, Toshio, 4,849,660, Cl. 307-475.000.

Doi, Tsugihiro: *See—*

Miyake, Akira; Nagatani, Hitoshi; Doi, Tsugihiro; Mizushima, Kunio; and Sakemoto, Akito, 4,828,925, Cl. 428-425.900.

Doi, Yasushi: *See—*

Miyazaki, Ryuichi; Kakihara, Yosuke; Doi, Yasushi; and Takizawa, Hirokazu, 4,868,884, Cl. 382-30.000.

Doi, Yoji: *See—*

Kijima, Toshio; Tezuka, Tokuya; Doi, Yoji; Yamashita, Shuiichi; Namba, Shigetoh; and Arie, Tsutomu, 4,880,745, Cl. 435-253.300.

Doi, Yoshiharu, to Mitsubishi Kasei Corporation. Copolyester and process for producing the same. 4,876,331, 10-24-89, Cl. 528-361.000.

Doin, James E.: *See—*

Raleigh, William J.; Doin, James E.; and Traver, Frank J., 4,859,529, Cl. 428-290.000.

Doinghaus, Hermann: *See—*

Moeckl, Ernst; Stumpf, Jorg; Hardt, Walter; and Doinghaus, Hermann, 4,875,418, Cl. 108-50.000.

Doiron, Gerald J. Fishing reel including a one-way brake. 4,881,698, 11-21-89, Cl. 242-256.000.

Doke, Hiroshi; Tuboi, Naruyoshi; Sasaki, Yoshihisa; and Ozawa, Shigeo, to Kabushiki Kaisha Toshiba. Parts feeding apparatus of the piezoelectric drive type. 4,795,025, 1-3-89, Cl. 198-763.000.

Doke, Jack: *See—*

Clemens, Forrest E.; and Doke, Jack, 4,839,999, Cl. 52-36.000.

Doklan, Raymond H.; Martin, Edward P., Jr.; Roy, Pradip K.; Shive, Scott F.; and Sinha, Ashok K., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fabricating a semiconductor device with low defect density oxide. 4,851,370, 7-25-89, Cl. 437-225.000.

Dokoupil, Jiri; and Kuzzora, Thaddaeus. System for conditioning of leather hides, furs and the like. 4,856,201, 8-15-89, Cl. 34-1.000.

Dokshin, Gennady P.: *See—*

Milov, Vladimir N.; Loginov, Anatoly A.; Ostrenko, Nikolai S., deceased; Gorsky, Viktor I.; Demyanovich, Nikolai A.; Davletkhanov, Rifkhat B.; Klimets, Sergei N.; Dokshin, Gennady P.; Telyatnikov, Jury A.; Yarkin, Vladislav I.; Ostrenko, Ekaterina A., administrator; Chevalkova, Inna E., administrator; and Stebakova, Alla E., administrator, 4,817,700, Cl. 164-259.000.

Dokurno, Mark G.; Harbourne, David A.; and Lundhild, Evelyn M., to Du Pont Canada, Inc. Filled thermoplastic polymer compositions. 4,847,317, 7-11-89, Cl. 524-424.000.

Dokuzovic, Zdravko; Bodor, Zoltan; Lewis, Ramola; and Kostantelou, Costantina, to Warner-Lambert Company. Novel hydrophilic plasticizing system and chewing gum containing same. 4,804,543, 2-14-89, Cl. 426-3.000.

Dokuzovic, Zdravko; and Bodor, Zoltan, to Warner-Lambert Co. Stabilized chewing gum product and method of making same. 4,822,622, 4-18-89, Cl. 426-5.000.

Dokuzovic, Zdravko; Bodor, Zoltan; Lewis, Ramola; and Kostantelou, Costantina, to Warner-Lambert Company. Anhydrous, non-staling chewing gum composition. 4,842,870, 6-27-89, Cl. 426-3.000.

Dokuzovic, Zdravko: *See—*

Glass, Michael; Hoholick, Joseph; Malinowski, Eva K.; Dokuzovic, Zdravko; and Bodor, Zoltan, 4,822,621, Cl. 426-5.000.

Dola, Frank P.; Feldman, Steven; and Erwin, John K., to AMP Incorporated. Surface applied wiring apparatus. 4,874,322, 10-17-89, Cl. 439-210.000.

Dola, Frank P.: *See—*

Arechavaleta, Joe R.; Berg, William D.; and Dola, Frank P., 4,853,823, Cl. 361-100.000.

Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., 4,867,696, Cl. 439-212.000.

Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., 4,869,676, Cl. 439-79.000.

Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., 4,875,865, Cl. 439-101.000.

Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; Lauterbach, John H.; Sotolongo, Thomas J.; and Zwieg, Grover A., 4,881,905, Cl. 439-79.000.

Dolabdjian, Barkew: *See—*

Henkel, Eberhard; Dolabdjian, Barkew; Helger, Roland; Klink, Rainer; and Wurzburg, Uwe, 4,857,640, Cl. 536-4.100.

Dolak, Terence M.; Lee, Sung J.; and Bullington, James L., to American Home Products Corporation. Diuretic and antihypertensive substituted-5-pyrimidinesulfonylureas. 4,853,389, 8-1-89, Cl. 514-275.000.

Dolak, Terence M.: *See—*

Dennis, Ronald D.; Dolak, Terence M.; and Kreighbaum, William E., 4,849,527, Cl. 548-507.000.

Dolan, Clarence F.: *See—*

Raad, Bernard A.; and Dolan, Clarence F., 4,830,412, Cl. 290-31.000.

Dolan, Donald T.: *See—*

Abellana, Jovito N.; and Dolan, Donald T., 4,872,521, Cl. 177-25.150.

Dolan, James G.: *See—*

Buriks, Rudolf S.; and Dolan, James G., 4,877,842, Cl. 252-344.000.

Dolan, James P.; and Dolan, Patrick M. Hydrocarbon and water level sensor system used to monitor underground storage sites. 4,827,246, 5-2-89, Cl. 340-521.000.

Dolan, Patrick M.: *See—*

Dolan, James P.; and Dolan, Patrick M., 4,827,246, Cl. 340-521.000.

Dolan, Rex H. Remotely controlled turkey calling device. 4,862,625, 9-5-89, Cl. 43-1.000.

Dolan, Richard J.: *See—*

Devir, Daniel D.; Dolan, Richard J.; and Bergin, John A., 4,837,479, Cl. 313-318.000.

Dolan, Roger; and Streed, Clifford. Freeze resistant adjustable flow rate animal nipple waterer. 4,819,585, 4-11-89, Cl. 119-72.500.

Dolata, Hans: *See—*

Hartmann, Werner; Dolata, Hans; and Buchholtz, Jochen, 4,841,824, Cl. 83-830.000.

Dolbeare, Frank A.; and Gray, Joe W., to University of California. Flow cytomeric measurement of DNA and incorporated nucleoside analogs. 4,812,394, 3-14-89, Cl. 435-6.000.

Dolby, Debra J.; Schreck, John F.; and Truong, Phat, to Texas Instruments Incorporated. Decoder driver circuit for programming high-capacitance lines. 4,820,941, 4-11-89, Cl. 307-449.000.

Dolby Laboratories Licensing Corporation: *See—*

Mandell, Douglas E.; Todd, Craig C.; Allen, Ioan R.; and Davis, Mark F., 4,799,260, Cl. 381-22.000.

Mandell, Douglas E., 4,829,299, Cl. 341-77.000.

Dolby, Ray M. Circuit arrangements for modifying dynamic range using variable combining techniques. 4,801,890, 1-31-89, Cl. 330-126.000.

Dolby, Ray M.; Allen, Ioan R.; and Pauker, Randolph G. Audio encoder for use with more than one decoder each having different characteristics. 4,815,068, 3-21-89, Cl. 369-175.000.

Dold, Michael, to B. Braun Melsungen AG. Spring winding gearing including a safety mechanism against racing for the drive assembly of a device. 4,868,801, 9-19-89, Cl. 368-139.000.

Dole Associates, Inc.: *See—*

Dole, Charles M.; and Webster, Gary L., 4,859,603, Cl. 435-287.000.

Dole, Charles M.; and Webster, Gary L., to Dole Associates, Inc. Personal diagnostic kit. 4,859,603, 8-22-89, Cl. 435-287.000.

Dole, Stephen L.; Arendt, Ronald H.; and Pasco, Wayne D., to General Electric Company. Rare earth fluoride additive for sintering aluminum nitride. 4,810,679, 3-7-89, Cl. 501-98.000.

Dole, Stephen L.; Arendt, Ronald H.; and Pasco, Wayne D., to General Electric Company. Alkaline earth fluoride additive for sintering aluminum nitride. 4,843,042, 6-27-89, Cl. 501-96.000.

Dole, Victoria F.; Monks, Simon D.; and Verdicchio, Robert J., to Johnson & Johnson Consumer Products, Inc. Skin care compositions. 4,847,068, 7-11-89, Cl. 424-47.000.

Dolejs, Anthony H.; Stopar, Henry M.; and Swetel, Patrick, to Ardac, Inc. Currency validator. 4,858,744, 8-22-89, Cl. 194-206.000.

Dolenc, Heinz C. One hand key shell. 4,849,732, 7-18-89, Cl. 341-20.000.

Dolence, Dale E., to Lustour Corporation. Plastic advertising insert for food packages. 4,837,956, 6-13-89, Cl. 40-299.000.

Dolengowski, Douglas A.: *See—*

Pinch, William D.; and Dolengowski, Douglas A., 4,810,003, Cl. 280-668.000.

Doleschall, Sandor: *See—*

Bauer, Sandor; Doleschall, Sandor; Gal, Andras; Milley, Gyula; Nagy, Gyula; and Paal, Tibor, 4,795,564, Cl. 210-665.000.

Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.

Csajtai, Geza; Doleschall, Sandor; Milley, Gyula; Kristof, Miklos; Paal, Tibor; Racz, Daniel; and Toth, Bela, 4,875,809, Cl. 405-263.000.

Doleschel, Walter; Doleschel, Walter N.; and Kaltschmid, Helmut, to Schwab & Co. Ges.m.b.H. Process for the pasteurization of plasma proteins and plasma protein fractions. 4,803,073, 2-7-89, Cl. 424-101.000.

Doleschel, Walter, Doleschel, Walter N.; and Conrad, Werner, to Schwab & Co. Ges.m.b.H. Process for the preparation of an immunoglobulin which can be administered intravenously and is stable in liquid form. 4,880,913, 11-14-89, Cl. 530-387.000.

Doleschel, Walter N.: *See—*

Doleschel, Walter; Doleschel, Walter N.; and Kaltschmid, Helmut, 4,803,073, Cl. 424-101.000.

Doleschel, Walter; Doleschel, Walter N.; and Conrad, Werner, 4,880,913, Cl. 530-387.000.

Doleva, John L.: *See—*

Voss, Timothy R.; and Doleva, John L., 4,795,031, Cl. 206-315.900.

Dolezal, Franklin A.; and Harvey, Robin J., to Hughes Aircraft Company. Ribbon beam free electron laser. 4,888,776, 12-19-89, Cl. 372-2.000.

Dolfi, David W.: *See—*

Nazarathy, Moshe; Dolfi, David W.; and Jungerman, Roger L., 4,843,350, Cl. 332-7.510.

Nazarathy, Moshe; Dolfi, David W.; and Kolner, Brian H., 4,843,586, Cl. 364-822.000.

Dolfini, Joseph E.; and Glinka, Jerome, to Mallinckrodt, Inc. Hydrolysis of activated olefinic ketones and aldehydes. 4,810,824, 3-7-89, Cl. 568-491.000.

Dolfini, Joseph E.; and Glinka, Jerome, to Mallinckrodt, Inc. Hydrolysis of activated olefinic ketones and aldehydes. 4,871,881, 10-3-89, Cl. 568-491.000.

Dolfsma, Hendrik; and Zwarts, Jacobus, to SKF Industrial Trading and Development Company. Rolling bearing assembly. 4,820,061, 4-11-89, Cl. 384-462.000.

Dolfsma, Hendrik: *See—*

Gabelli, Antonio; and Dolfsma, Hendrik, 4,854,748, Cl. 384-466.000.

Dolgikh, Viktor A.: *See—*

Alexandrov, Andrei J.; Dolgikh, Viktor A.; Kerimov, Oleg M.; Samarin, Alexei J.; Rudoi, Igor G.; and Soroka, Arkady M., 4,841,537, Cl. 372-55.000.

Dolhaine, Hans: *See—*

Mueller, Heinz; Herold, Claus-Peter; van Tapavizca, Stephan; Dolhaine, Hans; von Rybinski, Wolfgang; and Wichelhaus, Winfried, 4,888,120, Cl. 252-8.551.

Dolinar, Brian J.; Flegal, Robert T.; and Lewis, Larry L., to Planar Systems, Inc. Split screen electrode structure for TFEL panel. 4,797,667, 1-10-89, Cl. 340-781.000.

Dolins, Steven B.; Srivastava, Aditya; Flinchbaugh, Bruce E.; Gunturi, Sarma S.; Lassiter, Thomas W.; and Love, Robert L., to Texas Instruments, Incorporated. Process and apparatus for detecting aberrations in production process operations. 4,846,928, 7-11-89, Cl. 156-626.000.

Dolins, Steven B.: *See—*

Flinchbaugh, Bruce E.; Dolins, Steven B.; Srivastava, Aditya; and Reese, Jon, 4,861,419, Cl. 156-626.000.

Dolinski, Norman H.: *See—*

Smith, Michael D.; Dolinski, Norman H.; and Amin, Jayendra J., 4,800,737, Cl. 62-503.000

Dolison, Dewey H.; and Rahn, William H. Combined air conditioning and ventilation assembly. 4,838,345, 6-13-89, Cl. 165-48.100.

Dolivo, Francois B.; and Ungerboeck, Gottfried, to International Business Machines Corporation. Fast timing acquisition for partial-response signalling. 4,890,299, 12-26-89, Cl. 375-18.000.

Doljack, Frank A.: *See—*

Jacobs, Stephen M.; McTavish, Mary S.; and Doljack, Frank A., 4,845,838, Cl. 29-671.000.

Doll, Armin; and Navratil, Emil, to Siemens Aktiengesellschaft. Speech circuit configuration. 4,847,898, 7-11-89, Cl. 379-395.000.

Doll, Donald A. Honeycomb sight. 4,850,113, 7-25-89, Cl. 33-233.000.

Doll, Gary; Paulson, William T.; and Pinell, William F., to Standard Register Company, The. Imagable clean release laminate construction. 4,833,122, 5-23-89, Cl. 503-226.000.

Doll, Helmut, to Herlitz AG. Writing utensil with an exchangeable eraser. 4,865,479, 9-12-89, Cl. 401-17.000.

Doll, Ronald J.; and Neustadt, Bernard R., to Schering Corporation. Mercapto-acylamino acids as antihypertensives. 4,879,309, 11-7-89, Cl. 514-513.000.

Doll, Ronald J.: *See—*

Magatti, Charles V.; and Doll, Ronald J., 4,803,206, Cl. 514-255.000.

Watkins, Robert; Doll, Ronald J.; Neustadt, Bernard R.; Smith, Elizabeth M.; Magatti, Charles V.; and Gold, Elijah H., 4,840,772, Cl. 422-61.000.

Doll, Werner; Kamfjord, Thor G.; and Marthinsen, Jan E., to Autodisplay A/S. Arrangement in a display or instrument board. 4,804,254, 2-14-89, Cl. 350-344.000.

Doller, John S.; and Lederman, Frederick E., to General Motors Corporation. Roller clutch energizing spring with protected pleats 4,850,464, 7-25-89, Cl. 192-45.000.

Dollfus, Jacques, to Societe Anonyme: Societe Generale pour les Techniques Nouvelles - SGN. Flowmeter for dangerous fluids. 4,854,178, 8-8-89, Cl. 73-861.580.

Dollhausen, Manfred: *See—*

Henning, Wolfgang; Hombach, Rudolf; Meckel, Walter; and Dollhausen, Manfred, 4,870,129, Cl. 524-597.000.

Richter, Roland; Muller, Hanns P.; Hombach, Rudolf; Dollhausen, Manfred; Avar, Geza; and Freitag, Hans-Albrecht, 4,824,595, Cl. 252-182.170.

Sanders, Josef; Hombach, Rudolf; Reiff, Helmut; Dieterich, Dieter; and Dollhausen, Manfred, 4,870,206, Cl. 560-359.000.

Dolliner, Josef, to Kern + Dolliner Konstruktionen GmbH. Punch-bending machine for wires or strips. 4,862,717, 9-5-89, Cl. 72-7.000.

Dollinger Corporation: *See—*

Lamprecht, Ned L.; and Hawley, Clyde W., 4,872,890, Cl. 55-323.000.

Dolly, Inc.: *See—*

Marcus, Kenneth N.; and Brookshire, Phillip L., 4,854,638, Cl. 297-250.000.

Dolman, Hendrik; and Kuipers, Johannes, to Duphar International Research B.V. New thiazole compounds having fungicidal activity 4,889,863, 12-26-89, Cl. 514-312.000.

Dolnick, Earl M.: *See—*

Goldstein, Mark K.; and Dolnick, Earl M., 4,806,095, Cl. 431-54.000.

Dolnik, Thomas G.: *See—*

Gilker, Clyde; Dunk, Michael P.; Dolnik, Thomas G.; Daharsh, Ross S.; and Berezinski, Mark A., 4,847,780, Cl. 364-483.000.

Dolomite S.p.A.: *See—*

Annovi, Giuseppe, 4,798,933, Cl. 219-211.000.

Dolomitwerke GmbH: *See—*

Chmiel, Max; and Prange, Rainer, 4,877,761, Cl. 501-109.000.

Dolorgiet Beteiligungs-GmbH: *See—*

Lohner, Manfred; and Wagener, Hans H., 4,849,418, Cl. 514-163.000.

Dolph, Darrel A.; Demski, Leonard W.; Taylor, Robert E.; and McKendry, Arthur R., to Nartron Corporation. Speech processor method and apparatus. 4,825,385, 4-25-89, Cl. 364-513.500.

Dolph, Darrel A.; Demski, Leonard W.; Taylor, Robert E.; and Loisel, Jean-Marie, to Nartron Corporation. Analog-to-digital converter 4,882,586, 11-21-89, Cl. 341-169.000.

Dolph, Darrel A.: *See—*

Schnars, Michael J.; Dolph, Darrel A.; and Liu, Yu-Jih, 4,797,924, Cl. 331-43.000.

Dolphin, David: *See—*

Levy, Julia G.; Dolphin, David; and Chow, Jack K., 4,883,790, Cl. 540-145.000.

Dolson, Mark G.: *See—*

Lee, Len F.; and Dolson, Mark G., 4,885,026, Cl. 71-94.000.

Dolyny, Stanislaw. Rodent trap. 4,879,836, 11-14-89, Cl. 43-64.000.

DOM Sicherheitstechnik GmbH & Co KG: *See—*

Wolter, Heinz, 4,884,422, Cl. 70-165.000.

DOM-Sicherheitstechnik GmbH & Co. KG: *See—*

Hauser, Herbert P., 4,856,307, Cl. 70-165.000.

Domagala, John M.; Mich, Thomas F.; and Sanchez, Joseph P., to Warner-Lambert Company. 4-oxo-1,4-dihydroquinoline-3-carboxylic acid derivative as antibacterial agents. 4,822,801, 4-18-89, Cl. 514-312.000.

Domagala, John M.; Hagen, Susan E.; Sanchez, Joseph P.; and Solomon, Marjorie S., to Warner-Lambert Company. Novel disubstituted-7-pyrrolidinoquinoline antibacterial agents. 4,840,956, 6-20-89, Cl. 514-312.000.

Domagala, John M.: *See—*

Bridges, Alexander J.; and Domagala, John M., 4,803,205, Cl. 514-254.000.

Domain Technology: *See—*

Bornstein, Jonathan G., 4,876,117, Cl. 427-130.000.

Domalski, Hans-Heinrich: *See—*

Bohnke, Kurt; Brandis, Helmut; Domalski, Hans-Heinrich; Fleischer, Hans-Joachim; and Frinken, Heinrich, 4,859,649, Cl. 502-439.000.

Domanchuk, David J.: *See—*

Hendrixon, John L.; Domanchuk, David J.; and Pearson, Allen F. 4,863,142, Cl. 251-129.030.

Domankevitz, Yacov: *See—*

Copley, John A.; Kwok, Hoi S.; and Domankevitz, Yacov, 4,870,244, Cl. 219-121.700.

Domann, Helmut; Hagele, Karl-Heinz; and Rupp, Hartmann, to Robert Bosch GmbH. Circuit for regulating the high-voltage supply of an electrostatic filter. 4,816,979, 3-28-89, Cl. 363-21.000.

Domann, Helmut: *See—*

Weiss, Eberhard; Stahl, Manfred; Domann, Helmut; Jung, Erich; and Maurer, Franz, 4,805,105, Cl. 364-424.020.

Domany, Gyorgy: *See—*

Bod, Peter; Harsanyi, Kalman; Agai nee Csongor, Eva; Bogsch, Erik; Fekecs, Eva; Trischler, Ferenc; Domany, Gyorgy; Szabadkai, Istvan; and Hegedus, Bela, 4,835,281, Cl. 548-197.000.

Domas, Ben V.: *See—*

Stephan, Donald C.; Sharp, Timothy M.; Yeomans, Gary A.; Abney, James R.; and Domas, Ben V., 4,867,499, Cl. 296-50.000.

Domas, Friedrich: *See—*

Richter, Juergen; Grau, Werner; Maurer, Gerd; Domas, Friedrich; Loeser, Werner; Bender, Rainer; Schulze, Axel-Ruediger; and Doerr, Kurt, 4,835,909, Cl. 51-281.0SF.

Domatar Inc.: *See—*

Houser, James L., 4,866,899, Cl. 52-481.000.

Domb, Abraham J.; and Langer, Robert S., to Massachusetts Institute of Technology. Polyanhydrides with improved hydrolytic degradation properties. 4,857,311, 8-15-89, Cl. 424-78.000.

Domb, Abraham J. Poly(propylene glycol fumarate) compositions for biomedical applications. 4,888,413, 12-19-89, Cl. 528-272.000.

Domb, Abraham J.: *See—*

Langer, Robert S.; Domb, Abraham J.; and Laurencin, Cato T., 4,888,176, Cl. 424-426.000.

Dombay, Zsolt: *See—*

Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.

Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.

Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.

Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva, Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.

Dombi, Sandor: *See—*

Beyer, Herman; Borbely, Gabriella; Dombi, Sandor; Kalman, Alajos; Meszaros, Gyula; Miasnikov, Peter; and Rozsa, Pal, 4,850,173, Cl. 52-741.000.

Dombou, Munehiko; Tomioka, Isao; Kitabatake, Senji; and Nakejima, Hiroshi, to Unitika Ltd. Process for producing diadenosine tetraphosphate and derivatives thereof. 4,886,749, 12-12-89, Cl. 435-89.000.

Dombre, Max: *See—*

Bunel, Gerard; Charquet, Daniel; and Dombre, Max, 4,881,992, Cl. 148-421.000.

Dombroski, Amy: *See—*

Glass, Michael; Hoholick, Joseph; Dombroski, Amy; and Faust, Steven M., 4,800,091, Cl. 426-3.000.

Dombroski, Earl L., to Dumbroski and Hanson Industrial Designs, Inc. Loudspeaker. 4,807,295, 2-21-89, Cl. 381-194.000.

Dombroski, Robert M.; and Kayser, John P., to Madison-Kipp Corporation. Lubricating nozzle apparatus and method. 4,834,218, 5-30-89, Cl. 184-3.100.

Dombrowski, Anthony E., to Sommers, Steven F.; Schreiner, Bruce E.; Land Paving Company; Omni Holding Company; Ronk, Jerry; and Wichser, Robert. Driver alerting device. 4,797,673, 1-10-89, Cl. 340-904.000.

Dombrowski, Anthony E., to Sommers, Steven F.; Schreiner, Bruce E.; Land Paving Company; Omni Holding Company; Ronk, Jerry; and Wichser, Robert. Driver alerting device. 4,803,488, 2-7-89, Cl. 340-904.000.

Dombrowski, Anthony E. Driver alerting device. 4,864,298, 9-5-89, Cl. 340-904.000.

Dombrowski, Daniel C.: *See—*

Tackett, E. Wayne; Dombrowski, Daniel C.; and Lauritzen, Scott W., 4,846,911, Cl. 156-173.000.

Dombrowski, Ferdinand; and Forster, Dieter, to Fisher Controls International, Inc. Zero and span adjustment circuit for current/pressure transducer. 4,836,011, 6-6-89, Cl. 73-4.00R.

Dombrowski, John: *See—*

Roper, Daniel W.; Kramer, Dennis A.; Malinowski, Mark E.; and Dombrowski, John, 4,836,616, Cl. 303-92.000.

Dombrowski, Manfred: *See—*

Lang, Otto; and Dombrowski, Manfred, 4,807,249, Cl. 375-7.000.

Dombrowski, Mitchell P.: *See—*

Welch, Robert A.; and Dombrowski, Mitchell P., 4,833,733, Cl. 2-169.000.

Domchick, Stephen J., to Goodyear Tire & Rubber Company, The. Pneumatic tires. 4,832,102, 5-23-89, Cl. 152-527.000.

Dome, Ernest M.; Baker, Joel C.; and Fakatselis, Thanassi E., to General Chemical Corporation. Recovery of sodium carbonate values from contaminated dilute soda ash streams. 4,869,882, 9-26-89, Cl. 423-206.00T.

Domeier, Linda A., to Amoco Corporation. Ethylenically-unsaturated ethers of alkenyl phenols as reactive diluents for bismaleimides. 4,812,511, 3-14-89, Cl. 524-850.000.

Domeier, Linda A., to Amoco Corporation. Bismaleimide formulations containing olefinic ether modifiers. 4,853,449, 8-1-89, Cl. 526-259.000.

Domeier, Linda A., to Union Carbide Corporation. Thermosettable fiber reinforced resin compositions. 4,857,579, 8-15-89, Cl. 524-507.000.

Domeier, Linda A.: *See—*

Gardner, Hugh C.; and Domeier, Linda A., 4,834,933, Cl. 264-257.000.

Domeier, Wayne H.; and Chin, Laurence D., to Barry Wright Corporation. Robotic position sensor. 4,809,191, 2-28-89, Cl. 364-513.000.

Domelsmith, Linda N.; Rousselle, Marie-Alice; and Berni, Ralph J., to United States of America, Agriculture. Method for reduction of endotoxin in cotton lint or dust. 4,832,751, 5-23-89, Cl. 134-28.000.

Domen, Albrecht F.: *See—*

De Prijcker, Jozef P.; Domen, Albrecht F.; Fierens, Marcel R.; and Van Hal, Henri J., 4,814,809, Cl. 354-319.000.

Domenget, Jean-Pierre; and Lorec, Gerard, to Electronique Serge Dassault. Electrical power supply circuit, in particular for a wave generator for a pulse radar. 4,816,978, 3-28-89, Cl. 363-21.000.

Domenichiello, Peter. Balloon container for flowers and machine for making same. 4,811,841, 3-14-89, Cl. 206-423.000.

Domenick, Robert; Foreman, Phillip; Parish, David M.; and Pettibone, Donald W., to Resonex, Inc. Magnetic resonance imaging (MRI)apparatus with quadrature radio frequency (RF) coils. 4,882,540, 11-21-89, Cl. 324-318.000.

Domeshek, Kenneth A.: *See—*

Steiner, Thomas L.; Minnick, Dana T.; Domeshek, Kenneth A.; and Lester, Donald H., Jr., 4,888,420, Cl. 536-64.000.

Domesle, Rainer; Engler, Bernd; Koberstein, Edgar; and Volker, Herbert. Method for the purification of exhaust gas from diesel motors. 4,828,807, 5-9-89, Cl. 423-213.700.

Domges, Gunther: *See—*

Zangenfeind, Helmut; Domges, Gunther; and Wurfel, Reinhart, 4,799,076, Cl. 354-308.000.

Domian, Henry A.; LaCount, Dale F.; Miller, Alex S.; and Seibert, Kenneth D., to Babcock & Wilcox Company, The. Austenitic Fe-Cr-Ni alloy designed for oil country tubular products. 4,840,768, 6-20-89, Cl. 420-582.000.

Domian, Robert E., to Dan Wesson Arms, Inc. Firearm. 4,807,380, 2-28-89, Cl. 42-65.000.

Domian, Robert E.; and MacWilliams, Robert W., to Dan Wesson Arms, Inc. Firearm hammer construction. 4,833,809, 5-30-89, Cl. 42-65.000.

Domian, Robert E., to Dan Wesson Arms, Inc. Firearm. 4,833,810, 5-30-89, Cl. 42-59.000.

Domigan, Charles: *See—*

Benscoter, Richard D.; Domigan, Charles; Flachbarth, Charles T.; and Sheridan, James E., 4,857,016, Cl. 439-680.000.

Domigan, Charles N., to Butler Manufacturing Company. Double adjustable duct support. 4,876,834, 10-31-89, Cl. 52-126.200.

Domigan, Charles N., to Butler Manufacturing Company. Fitting for the underside of a cellular floor. 4,879,435, 11-7-89, Cl. 174-48.000.

Domine, Joseph D.; and Buchner, Anton J., to Exxon Chemical Patents Inc. Paintable thermoplastic polyolefin compositions having improved flexural properties. 4,888,391, 12-19-89, Cl. 525-221.000.

Dominek, Allen K.; Gilreath, Melvin C.; and Wood, Richard M., to United States of America, National Aeronautics and Space Administration. Almond test body. 4,809,003, 2-28-89, Cl. 342-165.000.

Domingo, Ricardo, to Sitour Espana, S.A. Holding device. 4,834,331, 5-30-89, Cl. 248-205.300.

Domingue, Willard A. Fire alarm and heat detection system and apparatus. 4,814,766, 3-21-89, Cl. 340-590.000.

Dominguez, Luis M.: *See—*

White, Kenneth W.; Dominguez, Luis M.; and McConnell, Bain C., 4,845,374, Cl. 250-560.000.

Dominguez, Richard J. G.: *See—*

Rice, Doris M.; Grigsby, Robert A., Jr.; and Dominguez, Richard J. G., 4,806,615, Cl. 528-68.000.

Dominguez, Richard L., to Solar Lighting Research, Inc. Solar lighting reflector apparatus having slatted mirrors and improved tracker. 4,883,340, 11-28-89, Cl. 350-260.000.

DoMinh, Thap, to Eastman Kodak Co. Laminate for the formation of beam leads for IC chip bonding featuring improved positive-working resist. 4,865,950, 9-12-89, Cl. 430-275.000.

DoMinh, Thap; and Diehl, Donald R., to Eastman Kodak Company. Diazepihium dyes. 4,871,844, 10-3-89, Cl. 540-575.000.

Dominiak, Serge: *See—*

Eberhardt, Andre; Dominiak, Serge; Berveiller, Marcel; Lucas, Jean P.; and Guyon, Robert P. Y., 4,857,387, Cl. 428-209.000.

Muller, Jean F.; Tollitte, Francois G.; Krier, Gabriel; Dominiak, Serge; Eberhardt, Andre; and Berveiller, Marcel, 4,879,467, Cl. 250-288.000.

Dominick, George G.: *See—*

Proni, Oscar; Fayer, Ervin; Dominick, George G.; and Cambareri, Carmelo R., 4,887,473, Cl. 73-864.350.

Dominick, Thomas S.: *See—*

Via, William R.; and Dominick, Thomas S., 4,814,730, Cl. 333-119.000.

Dominico, James; Cino, Paul; and Fardin, Carlos E., to Van Dam Machine Corporation. Crossed turret cup feeder. 4,805,758, 2-21-89, Cl. 198-444.000.

Dominion Chain Inc.: *See—*

Hartlepp, Karl H., 4,813,528, Cl. 198-463.400.

Hartlepp, Karl H., 4,846,335, Cl. 198-365.000.

Dominion Tool & Die Company, Inc.: *See—*

Kinnick, John F.; and Kozlowski, Chester P., 4,886,101, Cl. 157-1.220.

Dominique, Boulot, to Clecim S.A. Rolling mill roll with rotating shell. 4,882,922, 11-28-89, Cl. 72-243.000.

Domino Printing Sciences PLC: *See—*

Fost, Ian M., 4,809,017, Cl. 346-75.000.

Lecheheb, Ammar, 4,827,278, Cl. 346-1.100.

Lecheheb, Ammar; and Doyle, James J., 4,864,323, Cl. 346-1.100.

Domino, Rudolph S. Method of replacing an eye lens. 4,888,015, 12-19-89, Cl. 623-6.000.

Domino's Pizza, Inc.: *See—*
  Solomon, Harold D.; and Greve, Wayne R., 4,816,646, Cl. 219-387.000.
Dommel, Philip J., to Neapco, Inc. Automatic coupling device. 4,859,110, 8-22-89, Cl. 403-325.000.
Dommer, Armin; and Dommer, Dieter. Apparatus for butt-welding plastic pipe sections or plastic fittings. 4,801,349, 1-31-89, Cl. 156-503.000.
Dommer, Dieter: *See—*
  Dommer, Armin; and Dommer, Dieter, 4,801,349, Cl. 156-503.000.
Dommerud, Svein A., to A/S Apotekernes Faellesindkjop. Folding stretcher. 4,799,274, 1-24-89, Cl. 5-82.00R.
Domnick Hunter Filters Limited: *See—*
  Baggett, David; Bateman, Alan; and Billet, Colin T., 4,823,727, Cl. 116-272.000.
  Billiet, Colin T.; Fielding, Robert M.; and Smith, Stephen N., 4,838,905, Cl. 55-486.000.
Domnick Hunter Ilblry Limited: *See—*
  Le, Minh S., and Wilkes, John S., 4,853,127, Cl. 210-500.390.
Domnitz, Robert H., to Prime Computer, Inc. High speed switching circuit. 4,818,893, 4-4-89, Cl. 307-254.000.
Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F.; Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Alexandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov, Mikhail I.; and Seredkin, Vladimir P., to Moskovsky Institut Inzhenerov Zheleznodorozhnogo Transporta. Flow meter. 4,827,767, 5-9-89, Cl. 73-253.000.
Domokos, Julius, to Hughes Aircraft Company. Adjustable carrier device for ceramic substrates and the like. 4,858,764, 8-22-89, Cl. 206-449.000.
Domon, Tomokazu: *See—*
  Ogura, Tsuneo; Takigami, Katsuhiko; Nakagawa, Akio; and Domon, Tomokazu, 4,821,083, Cl. 357-38.000.
Domoto, Takeshi: *See—*
  Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.
Dompe' Farmaceutici S.p.A.: *See—*
  Giani, Roberto P.; Parini, Ettore; Tonon, Giancarlo; and Borsa, Massimiliano, 4,841,046, Cl. 540-495.000.
  Giani, Roberto P.; Malandrino, Salvatore; and Tonon, Giancarlo, 4,849,422, Cl. 514-252.000.
Dompert, Wolfgang: *See—*
  Seidel, Peter-Rudolf; Horstmann, Harald; Traber, Jorg; Dompert, Wolfgang; Glaser, Thomas; and Schuurman, Teunis, 4,818,756, Cl. 514-224.200.
Domstead, Gary R.: *See—*
  Ricles, Thomas D.; and Domstead, Gary R., 4,886,127, Cl. 175-4.540.
Domtar Gypsum Inc.: *See—*
  Rivers, Jerry B., 4,812,045, Cl. 366-107.000.
  Rivers, Jerry B., 4,820,053, Cl. 366-137.000.
Domtar, Inc.: *See—*
  Favreau, Ande, 4,832,190, Cl. 206-320.000.
  Klco, Kenneth S., 4,836,856, Cl. 404-76.000.
  Yalpani, Manssur; and Magdzinski, Leon, 4,857,638, Cl. 530-505.000.
Domus Pompei S.r.l.: *See—*
  Vezzani, Pompeo, 4,869,914, Cl. 426-549.000.
Don Simmonds: *See—*
  Pinto, Thomas J., 4,845,892, Cl. 49-383.000.
Donachie, Stephen J.; Fesko, James W.; Furgal, James J.; and Sczerzenie, Francis E., to Special Metals Corporation. Method for producing an alloy product of improved ductility from metal powder. 4,808,225, 2-28-89, Cl. 75-246.000.
Donachie, Stephen J.: *See—*
  Osborn, Donald H.; Gilman, Paul S.; and Donachie, Stephen J., 4,801,339, Cl. 148-11.50A.
Donadio, Frank L., Jr.: *See—*
  Austin, Thomas F.; Donadio, Frank L., Jr.; Rudolph, David F.; and Shaw, Robert W., Jr., 4,887,475, Cl. 73-866.000.
Donadio, James V.: *See—*
  Box, John W.; and Donadio, James V., 4,846,186, Cl. 128-657.000.
Donaghe, Charles D.: *See—*
  Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.
Donaghue, Christopher: *See—*
  Holmes, Peter G.; Lowe, Michael; and Donaghue, Christopher, 4,882,861, Cl. 40-299.000.
Donaghue, Norman J., Jr.; Jayapalan, Jay P.; and Salcedo, Rafael E., to Racal Data Communications Inc. Passive bus communication for ISDN. 4,835,769, 5-30-89, Cl. 370-85.000.
Donahue, Francis M.; Simonsen, Leif R.; and Moy, Russell L., to University of Michigan-Ann Arbor, The. Battery containing a metal anode and an electrolyte providing high rates of metal electrolysis at near ambient temperatures. 4,882,244, 11-21-89, Cl. 429-194.000.
Donahue, James A.: *See—*
  Sanwo, Ikuo J.; Donahue, James A.; and Tipon, Donald G., 4,823,024, Cl. 307-262.000.
Donahue, Keith C., to NCR Corporation. Portable identifier and tester units for computer communication cables. 4,837,488, 6-6-89, Cl. 324-66.000.
Donahue, Patrick J., to Beatrice Foods Co. Scannable fraud preventing coupon. 4,880,964, 11-14-89, Cl. 235-462.000.
Donahue, Patrick J.: *See—*
  Schoenleber, Donald; Grainger, Frederick; and Donahue, Patrick J., 4,801,076, Cl. 229-92.700.
Donahue, Raymond J.; Cleary, Terrance M.; Hauenstein, Frederick M.; and Marcellis, Daniel H., to Brunswick Corporation. Method of producing salt cores for use in die casting. 4,875,517, 10-24-89, Cl. 164-34.000.
Donahue, Raymond J.; Hesterberg, William G.; and Cleary, Terrance M., to Brunswick Corporation. Methoo and appparatus for producing titanium. 4,875,985, 10-24-89, Cl. 204-64.00T.
Donahue, Raymond J.: *See—*
  Cleary, Terrance M.; Donahue, Raymond J.; Hesterberg, William G.; and Toriello, Lawrence I., 4,830,085, Cl. 164-255.000.
  Hesterberg, William G.; Donahue, Raymond J.; and Sheaffer, Benjamin L., 4,821,694, Cl. 123-195.00R.
Donahue, William R., Jr., to Emhart Industries, Inc. Method and device for quick connection and disconnection of a solenoid operated valve to a refrigerator with an icemaker. 4,889,316, 12-26-89, Cl. 251-129.150.
Donald, David K.; Wang, Shih-Yuan; Ranganath, Tirumala R.; Newton, Steven A.; Trutna, William R.; Bloom, David M.; and David, Frank K., to Hewlett-Packard Company. Parametric diode amplifier. 4,805,237, 2-14-89, Cl. 455-619.000.
Donald L. Morton & Associates: *See—*
  Harrison, William H., 4,823,811, Cl. 128-804.000.
Donald, Robert A. Aseptic packaging. 4,821,488, 4-18-89, Cl. 53-417.000.
Donaldson, Coleman D., to Titan Corporation, The. Armor penetrating and self-lubricating projectile. 4,823,703, 4-25-89, Cl. 102-521.000.
Donaldson Company, Inc.: *See—*
  Belisle, John I., 4,823,956, Cl. 206-523.000.
  Betts, Peter; and Jahn, Darrell D., 4,876,011, Cl. 210-526.000.
  Engel, Donald F.; and Gieseke, Steven S., 4,856,826, Cl. 285-181.000.
  Fisher, Patrick; Stifelman, Jack; Connelly, John F.; Theisen, Jeff J.; and Fisher, Patrick, 4,883,083, Cl. 137-110.000.
  Gillingham, Gary R.; and Tokar, Joseph C., 4,819,549, Cl. 98-1.000.
  Kohl, James W.; and Belcher, Mark D., 4,860,644, Cl. 98-115.400.
  Misgen, Kenneth G.; Gillingham, Gary R.; Rocklitz, Gary J.; and Durre, Reynold F., 4,834,885, Cl. 210-440.000.
  Monson, Donald R.; and Leblanc, James A., 4,883,513, Cl. 55-385.200.
  Osendorf, Richard J., 4,863,499, Cl. 55-316.000.
  Wagner, Wayne M.; and Flemming, Douglas E., 4,832,661, Cl. 474-69.000.
  Wagner, Wayne M.; Flemming, Douglas E.; Steinbrueck, Edward A.; and Hoppenstedt, Bruce B., 4,851,015, Cl. 55-20.000.
  Wagner, Wayne M.; and Hoppenstedt, Bruce B., 4,867,768, Cl. 55-267.000.
  Wagner, Wayner M.; and Flemming, Douglas E., 4,878,928, Cl. 55-466.000.
Donaldson, Darrel D.; Gillett, Richard B., Jr.; and Williams, Douglas D., to Digital Equipment Corporation. High performance low pin count bus interface. 4,829,515, 5-9-89, Cl. 370-85.000.
Donaldson, Darrel D.; and Gillett, Richard B., Jr., to Digital Equipment Corporation. Backplane bus with default control. 4,837,736, 6-6-89, Cl. 364-900.000.
Donaldson, Jack J.: *See—*
  Dobreski, David V.; and Donaldson, Jack J., 4,814,385, Cl. 525-238.000.
Donaldson, Jay W.: *See—*
  Witherell, Donald R.; Donaldson, Jay W.; and Rooks, Howard B., 4,805,828, Cl. 228-46.000.
Donaldson, Jeffrey L.: *See—*
  Buehler, Stephen L.; and Donaldson, Jeffrey L., 4,844,116, Cl. 137-360.000.
Donaldson, Joel R.: *See—*
  Evanyk, Walter R.; Beber, Michael H.; Donaldson, Joel R.; Larsen, J. Orville; Adams, David G.; and Douglas, Michael W., 4,829,560, Cl. 379-106.000.
Donaldson, Robert D.: *See—*
  Bowling, Bruce A.; Buma, Douglas J.; Gamble, Bruce W.; and Donaldson, Robert D., 4,809,015, Cl. 346-75.000.
Donaldson, Robert W.: *See—*
  van der Gracht, Peter K.; and Donaldson, Robert W., 4,835,517, Cl. 340-310.00A.
Donaldson, Stuart G.: *See—*
  Stone, Christopher; Graverholt, James M.; Donaldson, Stuart G.; and Bagley, Kevin M., 4,851,655, Cl. 235-58.0CW.
Donalson, Dennis C.; and Wilkie, Robert R., to W.R. Grace & Co. Method of storing electrostatic discharge sensitive devices. 4,817,261, 4-4-89, Cl. 29-455.100.
Donat, Frank J., to B. F. Goodrich Company, The. Low inherent viscosity-high glass transition temperature enhancing agents produced by suspension polymerization as an overpolymer on polyvinyl chloride resins. 4,814,387, 3-21-89, Cl. 525-282.000.
Donatelli, Philip A.: *See—*
  Ellion, M. Edmund; Donatelli, Philip A.; and Wolff, George, 4,797,175, Cl. 156-644.000.
Donati, Gianni: *See—*
  Re, Alberto; and Donati, Gianni, 4,816,545, Cl. 528-401.000.
Donati, Jean R.; Guttmann, Daniele; Rouillon, Yves; Paul, Pierre S.; and Zacharie, Guy, to Electicite de France (Service National). Structural parts of austenitic nickel-chromium-iron alloy. 4,877,465, 10-31-89, Cl. 148-428.000.

Donatsch, Peter; Engel, Gunter; Hugi, Bruno; Richardson, Brian P.; Stadler, Paul A., deceased; by Stadler, Hildegard R., heir; by Stadler, Brigitte M., heir; by Stadler, Sigrid A., heir; and by Breuleux, Gerald, legal representative. Pharmaceutically useful heterocyclic and carbocyclic acid esters and amides of alkylene bridged piperidines. 4,803,199, 2-7-89, Cl. 514-214.000.
Donavich, John X., to Transamerica Interway, Inc. Sliding rib siding for refrigerated trailers and the like. 4,884,496, 12-5-89, Cl. 98-6.000.
Doncals, Richard A.; Paik, Nam-Chin; Andre, Sandra V.; Porter, Charles A.; Rathbun, Roy W.; Schwallie, Ambrose L.; and Petras, Diane S., to United States of America, Energy. Minimizing or eliminating refueling of nuclear reactor. 4,851,182, 7-25-89, Cl. 376-267.000.
Doncaster, Alan M.: *See—*
  Jones, Eric; and Doncaster, Alan M., 4,822,465, Cl. 204-192.100.
Doncel, Miguel, to Companie Generale d'Automatisme. Set of transmit/receive antennas situated at a fixed station for a two-way radio link with a vehicle. 4,806,943, 2-21-89, Cl. 343-742.000.
Donch, Jurgen; Schelb, Bernhard; and Zimmermann, Wolfgang, to Ringsdorff-Werke GmbH. Method of manufacturing cams by powder metallurgy. 4,851,189, 7-25-89, Cl. 419-28.000.
Doncker, Francis; Helber, Rolf; Welzel, Gerhard; and Bung, Richard, to Daimler-Benz Aktiengesellschaft. Mounting arrangement for vehicle engine and the like. 4,852,533, 8-1-89, Cl. 123-192.00R.
Dondl, Peter, to Siemens Aktiengesellschaft. Telecommunications satellite system on quasi-stationary orbits. 4,827,421, 5-2-89, Cl. 364-459.000.
Dondoli, Silvio: *See—*
  Ceccherini, Massimo; and Dondoli, Silvio, 4,844,702, Cl. 417-281.000.
Dondorf, Wolfgang, to Pulsotronic Merten GmbH & Co. KG. Position detector for the movable element of a fluid-operated actuator. 4,876,531, 10-24-89, Cl. 340-686.000.
Doneen, Patrick M., to Boeing Company, The. Integrated wavelength division multiplexed optical sensor. 4,842,357, 6-27-89, Cl. 350-96.120.
Donegan, Anthony: *See—*
  Edmonds, Mark P.; and Donegan, Anthony, 4,866,668, Cl. 364-900.000.
Donegan, James E. Spill proof plug. 4,842,152, 6-27-89, Cl. 215-294.000.
Donegan, Thomas E.; Bantjes, John H.; and Leary, Timothy G., to BASF Corporation. Process for making a phthalocyanine pigment dispersion. 4,853,039, 8-1-89, Cl. 106-412.000.
Donegan, Thomas E.; Leary, Timothy G.; and Patil, Arvind S., to BASF Corporation. Process for making alpha-phase phthalocyanine blue pigment comprising substantially 100 percent isometric crystals. 4,859,770, 8-22-89, Cl. 540-136.000.
Donegan, Thomas E.: *See—*
  Banties, John Henry; and Donegan, Thomas E., 4,879,380, Cl. 540-137.000.
Donelan, John M. Illuminated house number enclosure. 4,887,195, 12-12-89, Cl. 362-147.000.
Donelli, Giordano: *See—*
  Pontoglio, Enrico; Parodi, Sandro; Donelli, Giordano; and Caretti, Giancarlo, 4,806,672, Cl. 558-311.000.
Donenfeld, Henry; and Lemanis, Eduard, to BASF Australia Ltd. Textile printing and dyeing: dye liquor or print paste containing water insoluble hexa-methoxy-methyl-melamine in glycol. 4,863,483, 9-5-89, Cl. 8-496.000.
Doner, John P.; Horodysky, Andrew G.; and Keller, John A., Jr., to Mobil Oil Corporation. Grease compositions comprising borated diols and hydroxy-containing thickeners. 4,828,732, 5-9-89, Cl. 252-32.70E.
Doner, John P.; Horodysky, Andrew G.; and Keller, John A., Jr., to Mobil Oil Corporation. Grease compositions containing borated oxazoline compounds and hydroxy-containing soap thickeners. 4,828,734, 5-9-89, Cl. 252-49.000.
Doner, John P.; Farng, Liehpao O.; and Horodysky, Andrew G., to Mobil Oil Corporation. Substituted phosphorodithioates and their metal salts as multifunctional additives. 4,834,893, 5-30-89, Cl. 252-32.70E.
Dones, Angel, to Warner, Glenn; and McCortney, Mark. Quick disconnect container carrier. 4,824,318, 4-25-89, Cl. 414-607.000.
Dones, Nelson. Personal video viewing device. 4,805,988, 2-21-89, Cl. 350-137.000.
Dong, Dennis F.; Noonan, Edward B.; Rogers, Derek J.; Clifford, Arthur L.; Benesch, Katharina; and Loftfield, Richard E., to H-D Tech Inc. Electrochemical cell having dual purpose electrode. 4,872,957, 10-10-89, Cl. 204-84.000.
Dong-Il, Song, to Samsung Electronics Co., Ltd. High speed comparator circuit with single supply voltage. 4,841,171, 6-20-89, Cl. 307-355.000.
Dong, Jimmy. Variable tension loaded striking apparatus. 4,836,533, 6-6-89, Cl. 272-76.000.
Dong, Liang C.: *See—*
  Hoffman, Allan S.; and Dong, Liang C., 4,829,098, Cl. 522-5.000.
Dong, Yueh-Joy; and Fang, Chin-Hen, to Industrial Technology Research Institute. Lens for scanning devices. 4,828,375, 5-9-89, Cl. 350-475.000.
Donges, Alexander, to Pro Plast Pty. Limited. Garment hanger. 4,865,236, 9-12-89, Cl. 223-88.000.
Dongbei Power College: *See—*
  Fanqing, Liu; Junwen, Li; and Jixian, Yao, 4,851,136, Cl. 210-798.000.
Dongelmans, Anthony A., to Challenge Cook Bros., Inc. Dryer flow separator. 4,835,882, 6-6-89, Cl. 34-131.000.
Dongil, Song; Chul-Jin, Kim; and Byung-Jin, Kim, to Samsung Electronics Co., Ltd. Adaptive-type luminance/color signal separation circuit using the horizontal and vertical correlation in television receiver. 4,819,062, 4-4-89, Cl. 358-31.000.
Dongsuh Foods Corp.: *See—*
  Moon, Juhn W.; Hwang, Bun; and Chang, Jin K., 4,861,605, Cl. 426-96.000.
Doniat, Denis: *See—*
  Bugnet, Bernard; and Doniat, Denis, 4,882,232, Cl. 428-613.000.
Donica, Claude E. Golf putter. 4,815,739, 3-28-89, Cl. 273-80.00C.
Donig, Gerhard: *See—*
  Neulinger, Franz; Schummer, Helmut; Donig, Gerhard; and Schmidt, Walter, 4,873,620, Cl. 363-57.000.
Donizetti, Gaetano: *See—*
  Garulli, Augusto; Donizetti, Gaetano; and Bandelli, Mauro, 4,833,979, Cl. 99-287.000.
Donjoy, Inc.: *See—*
  Cromartie, Hendrick L., 4,796,610, Cl. 128-80.00C.
  Mason, Jeffery T.; Cawley, Patrick W.; and Mason, Bradley R., 4,850,877, Cl. 434-274.000.
Donlee Technologies, Inc.: *See—*
  Korenberg, Jacob, 4,830,604, Cl. 431-158.000.
  Korenberg, Jacob, 4,860,695, Cl. 122-136.00R.
  Korenberg, Jacob, 4,879,959, Cl. 110-264.000.
Donley, Harold E., deceased: *See—*
  Wilson, James F.; Koontz, Harry S.; Wagner, William E.; Everhart, John J.; Freeman, Glen E.; and Donley, Harold E., deceased, 4,831,493, Cl. 361-286.000.
Donley, Janice J., legal representative: *See—*
  Wilson, James F.; Koontz, Harry S.; Wagner, William E.; Everhart, John J.; Freeman, Glen E.; and Donley, Harold E., deceased, 4,831,493, Cl. 361-286.000.
Donley, Shawn T.; Gross, Garry L.; and Koper, Judith L., to United States of America, Navy. Actuator rate saturation compensator. 4,866,361, 9-12-89, Cl. 318-584.000.
DonMicheal, T. Anthony; Siegel, Robert J.; and DeCastro, Eugene A. Intravascular ultrasonic catheter/probe and method for treating intravascular blockage. 4,870,953, 10-3-89, Cl. 128-24.00A.
Donn Incorporated: *See—*
  Hocevar, Joseph A., 4,817,357, Cl. 52-732.000.
Donnally, Leroy C.: *See—*
  Atlas, George N.; Donnally, Leroy C.; Urban, Donald P.; Perkins, James M.; and Wilson, Timothy C., 4,874,308, Cl. 425-544.000.
Donnard, Rene, to Lohr Industrie, S.A. Edge contour for load-carrying deck. 4,886,694, 12-12-89, Cl. 428-137.000.
Donnay, James A.; Jensen, Van E., Jr.; and Kruzel, Bryon S., to Minnesota Mining and Manufacturing Company. Buffing apparatus for book-fold carton; and method. 4,875,895, 10-24-89, Cl. 493-117.000.
Donnell, James R.: *See—*
  Asghar, Abid; and Donnell, James R., 4,878,200, Cl. 365-189.020.
Donnellan, Thomas M.: *See—*
  Williams, John G.; Donnellan, Thomas M.; and Trabocco, Ronald E., 4,862,735, Cl. 73-54.000.
Donnelli, Joseph W.: *See—*
  Valiulis, Stanley C., and Donnelli, Joseph W., 4,869,376, Cl. 211-59.100.
Donnelly, Brian G.; Gorneault, Gerald J.; and Stearns, Charles F., to United Technologies Corporation. Shutoff and pressure regulating valve. 4,825,649, 5-2-89, Cl. 60-261.000.
Donnelly Corporation: *See—*
  Agrawal, Anoop, 4,852,979, Cl. 350-357.000.
  Gahan, Edward A., 4,799,768, Cl. 350-279.000.
  Gallmeyer, William W., 4,882,565, Cl. 340-461.000.
  Larson, Mark L.; Hanft, Karl H.; and O'Farrell, Desmond J., 4,859,867, Cl. 307-10.100.
  Morgan, Cleon C.; and Nieboer, Keith A., 4,858,988, Cl. 296-201.000.
  Moser, Frank H.; and Lynam, Niall R., 4,855,161, Cl. 427-108.000.
  Nieboer, Keith A.; and Tucker, Herbert D., 4,861,540, Cl. 264-263.000.
  O'Farrell, Desmond J.; Schofield, Kenneth; Larson, Mark L.; Hanft, Karl-Heinz; Schierbeek, Kenneth L.; and Bentley, Richard D., 4,871,917, Cl. 250-341.000.
  Schierbeek, Kenneth L.; and Schofield, Kenneth, 4,862,594, Cl. 33-356.000.
  Skogler, Brian I.; Schofield, Kenneth; Lantz, William P.; Nyhof, Eldon J.; Helder, Dorothy J.; and Flowerday, Charles M., 4,807,096, Cl. 362-142.000.
  Vandenbrink, Wayne; and Fant, Howard W., Jr., 4,826,289, Cl. 350-281.000.
Donnelly, John M.: *See—*
  Clark, Stephen S.; and Donnelly, John M., 4,827,095, Cl. 200-83.00J.
Donnelly, Joseph P., to Massachusetts Institute of Technology. Hybrid two-dimensional surface-emitting laser arrays. 4,881,237, 11-14-89, Cl. 372-50.000.
Donnelly Mirrors Limited: *See—*
  Molyneux, Keith W.; and Gaffney, Thomas D., 4,886,960, Cl. 250-209.000.
Donnelly, Richard J. Balanced-reaction variable-ratio transmission. 4,823,640, 4-25-89, Cl. 74-687.000.
Donnelly, Thomas J., to BBC Brown Boveri Nuclear Services. Apparatus and method for inspection of fuel assemblies. 4,828,782, 5-9-89, Cl. 376-252.000.

Donner, Joseph E.; and Jensen, Wayne P., to Hughes Aircraft Company. Moving jaw reflow soldering head. 4,828,162, 5-9-89, Cl. 228-6.200.

Donner, Joseph E., to Hughes Aircraft Company. Adjustable heater collet. 4,855,559, 8-8-89, Cl. 219-85.160.

Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Gallmeister, Rolf-Dieter; Stratz, Thomas; and Lammers, Ludwig, to Messer Griesheim GmbH. Cabin for carrying out cryotherapy on the entire body. 4,838,270, 6-13-89, Cl. 128-371.000.

Donnerhack, Andreas; and Schneider, Kurt P., to Messer Griesheim GmbH. Device for the production of a cold treatment-gas for cryotherapy. 4,841,969, 6-27-89, Cl. 128-400.000.

Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Stratz, Thomas; and Gallmeister, Rolf-Dieter, to Messer Griesheim. Cabin for carrying out cryotherapy. 4,880,003, 11-14-89, Cl. 128-374.000.

Donnerstag, Heinz; and Kreuzer, Hans-Ueli. Training device for cross-country skiers and ice skaters. 4,795,146, 1-3-89, Cl. 272-97.000.

Donnison, Geoffrey M.; Wordsworth, Robert A.; and Rhodes, Michael L. P., to AE PLC. Pistons. 4,838,149, 6-13-89, Cl. 92-222.000.

D'Onofrio, Anthony, to Honeywell Inc. Method and apparatus for providing autoranging for an AC/DC power management circuit for DC solenoid actuators. 4,812,945, 3-14-89, Cl. 361-154.000.

Donofrio, David J.: *See—*
  Etchells, Arthur W.; and Donofrio, David J., 4,886,086, Cl. 137-1.000.

Donofrio, Deborah K.; and Whitekettle, Wilson K., to Betz Laboratories, Inc. Biocidal compositions and use thereof containing a synergistic mixture of tetraalkyl phosphonium halide and n-alkyl dimethylbenzyl ammonium chloride. 4,835,143, 5-30-89, Cl. 514-75.000.

Donofrio, Deborah K., and Whitekettle, Wilson K., to Betz Laboratories, Inc. Biocidal compositions and use thereof. 4,855,296, 8-8-89, Cl. 514-241.000.

Donofrio, Deborah K., and Whitekettle, Wilson K., to Betz Laboratories, Inc. Biocidal compositions and use thereof containing a synergistic mixture of 2-bromo-2-nitropropane-1,3-diol and bis (trichloromethyl)sulfone. 4,857,557, 8-15-89, Cl. 514-711.000.

Donofrio, Deborah K.; and Whitekettle, Wilson K., to Betz Laboratories, Inc. Biocidal compositions and use thereof containing a synergistic mixture of 2 bromo-2-nitropropane-1,3-diol and N,N-dimethyl-N-phenyl-N-fluorodichloromethylthio)-sulphamide. 4,859,705, 8-22-89, Cl. 514-600.000.

Donofrio, Deborah K.; and Whitekettle, Wilson K., to Betz Laboratories, Inc. Biocidal compositions and use thereof containing a synergistic mixture of 2-bromo-2-nitropropane-1,3-diol and beta-bromo-beta-nitrostyrene. 4,859,708, 8-22-89, Cl. 514-727.000.

Donofrio, Deborah K.; and Whitekettle, Wilson K., to Betz Laboratories, Inc. Biocidal compositions and use thereof containing a synergistic mixture of 2-bromo-2-nitropropane-1,3-diol and methyl sulfonyl acrylonitile. 4,863,960, 9-5-89, Cl. 514-526.000.

Donofrio, Deborah K.: *See—*
  Whitekettle, Wilson K.; and Donofrio, Deborah K., 4,835,144, Cl. 514-75.000.
  Whitekettle, Wilson K.; and Donofrio, Deborah K., 4,859,702, Cl. 514-520.000.

Donoghue, Teresa; and Vilches, Jose I., to Teresa Donoghue. Collapsible hydraulic polycycle. 4,852,898, 8-1-89, Cl. 280-216.000.

Donohoe, David G., to Aquarian Accessories Corporation. Impact resistant drumhead. 4,798,121, 1-17-89, Cl. 84-414.000.

Donohue, James A., to Outboard Marine Corporation. Fuel injection system for multi cylinder two-stroke engine. 4,862,857, 9-5-89, Cl. 123-534.000.

Donohue, R. Michael: *See—*
  Walbridge, Van J.; and Donohue, R. Michael, 4,877,422, Cl. 55-20.000.

Donohue, Thomas P.; Hohn, Fritz J.; and Sai-Halasz, George A., to International Business Machines Corporation. Electron beam lithography alignment using electric field changes to achieve registration. 4,871,919, 10-3-89, Cl. 250-491.100.

Donomoto, Tadashi; Koyama, Mototsugu; and Nagaoka, Masaaki, to Toyota Jidosha Kabushiki Kaisha. Heat resisting and insulating light alloy articles and method of manufacture. 4,798,770, 1-17-89, Cl. 428-547.000.

Donomoto, Tadashi, to Toyota Jidosha Kabushiki Kaisha. Method for making composite material using oxygen. 4,802,524, 2-7-89, Cl. 164-97.000.

Donomoto, Tadashi; Tanaka, Atsuo; and Tatematsu, Yoshiaki, to Toyota Jidosha Kabushiki Kaisha. Heat resistant light alloy articles and method of manufacturing same. 4,830,932, 5-16-89, Cl. 428-608.000.

Donoue, Ikuo: *See—*
  Tsuji, Masanari; Tani, Yuji; Zaitsu, Akira; Shimamoto, Kojiro; Hashii, Masaaki; Donoue, Ikuo; Suzuki, Hiromi; and Sakakibara, Yoshihito, 4,808,835, Cl. 290-4.00A.

Donovan, David A.; and Field, Nathaniel L., to Ford Motor Company. Method and apparatus for self-adjusting boring bar. 4,842,450, 6-27-89, Cl. 408-1.00R.

Donovan, David A.; and Field, Nathaniel, to Ford Motor Company. Method and apparatus for stitch-machining deep cavities in metal workpieces. 4,847,961, 7-18-89, Cl. 29-56.500.

Donovan, Dennis M. Contaminated sharp object disposal method. 4,845,923, 7-11-89, Cl. 53-431.000.

Donovan, Joseph C.; and Ahmed, Bashir M., to Henkel Corporation. Use of fugitive plasticizer in autodepositing composition. 4,874,673, 10-17-89, Cl. 428-463.000.

Donovan, Joseph F.; Spatz, Edward C.; Salerni, John V.; Peterson, Elmer R.; and Weirich, John B., to Baker Hughes Incorporated. Method and apparatus for completing a non-vertical portion of subterranean well bore. 4,856,591, 8-15-89, Cl. 166-278.000.

Donovan, Leo P. Anti-theft ski alarm. 4,855,720, 8-8-89, C 340-571.000.

Donovan, Paul G., to Northern Telecom Limited. Pin insertion suppo member for circuit boards. 4,799,659, 1-24-89, Cl. 269-289.00R.

Donovan, Richard T.: *See—*
  King, Waldon O.; and McShane, Michael E., 4,863,099, Cl. 23 46.00R.

Donovan, Sharon J. Folding carrier for ski boots. 4,867,359, 9-19-89, C 224-202.000.

Donovan, Stephen F., to American Cyanamid Company. Cyclic N hydroxyimides. 4,822,886, 4-18-89, Cl. 546-243.000.

Donovan, Stephen F., to American Cyanamid Company. Cyclic-N hydroxyimide detergent additives. 4,882,080, 11-21-89, C 252-117.000.

DonuTrimmer Equipment, Inc.: *See—*
  Mackanos, Thomas J., 4,850,532, Cl. 239-1.000.

Dony, Dominique; and Jaillet, Andre, to Airax. Lockable pneuma spring. 4,871,149, 10-3-89, Cl. 267-64.120.

Donze, Jerry L., to Storage Technology Corporation. Switched mod power supply. 4,837,672, 6-6-89, Cl. 363-143.000.

Donze, Michel. Gas torch with articulated and extendable bod 4,809,956, 3-7-89, Cl. 266-48.000.

Donzelli, Giampiero, to Telettra Telefonia Elettronica e Radio S.p.A. Mesfet transistor with gate spaced above source electrode by layer air or the like method of fabricating same. 4,807,002, 2-21-89, C 357-23.100.

Donzelli, Giampiero, to Telettra Telefonia Elettronica e Radio S.p.A. Method of fabricating a MESFET transistor with gate spaced abo source electrode by layer of air or the like. 4,871,687, 10-3-89, C 437-40.000.

Donzi Marine Corporation: *See—*
  Genth, Richard E., 4,811,680, Cl. 114-201.00R.

Donzis, Byron A. Impact absorbing composites and their productio 4,874,640, 10-17-89, Cl. 427-421.000.

Dooley, Daniel J. Putting tutor. 4,872,687, 10-10-89, Cl. 273-185.00R.

Dooley, James E. Volleyball spiking tee. 4,798,390, 1-17-89, C 273-411.000.

Dooley, Joseph. Undercarriage arrangement for normally static ar cles. 4,815,760, 3-28-89, Cl. 280-43.240.

Dooley, Kevin A., to Pratt & Whitney Canada Inc. Capacitance voltage conversion circuit including a capacitive bridge and a capa tive offset. 4,795,965, 1-3-89, Cl. 324-60.00C.

Dooley, Kevin A., to Pratt & Whitney Canada Inc. Capacitive bridg type probe for measuring blade tip clearance. 4,818,948, 4-4-89, C 324-61.00P.

Dooley, Mark W., and Dayke, Robert B., to Public Service Electric & Gas Co. High voltage detector. 4,870,343, 9-26-89, Cl. 324-725.00.

Doolin, Leonard J.: *See—*
  Toner, Thomas J., and Doolin, Leonard J., 4,818,179, Cl. 41 134.00A.

Doolittle, David H.: *See—*
  Halasz, Andrew; Spinelli, Giuseppe; and Doolittle, David H. 4,878,950, Cl. 106-273.100.

Doolittle, Robert F.: *See—*
  Chuman, Tatsuji; Guss, Paul L., deceased; Doolittle, Robert F. McLaughlin, John R.; and Tomlinson, James H., III, 4,871, Cl. 424-84.000.

Doolittle, Timothy N.: *See—*
  Kamerman, Adriaan; and Doolittle, Timothy N., 4,847,880, C 375-8.000.

Doom, Harvey A. Locking hitch pin assembly. 4,840,528, 6-20-89, C 411-351.000.

Doomernik, Fransiscus M. P. P.: *See—*
  Bosun, Gerrit; Pasma, Tjebbe R.; Sluyterman, Albertus A. S. Doomernik, Fransiscus M. P. P.; and Wielink, Steven M. 4,857,805, Cl. 315-8.000.

Doonan, Barbara: *See—*
  Boniello, Barbara; Gum Jr., Ernest; Scarpellino, Richard; Doona Barbara; Patterson, John; and Bertkau, Geoffrey, 4,867,992, C 426-45.000.

Doonan, Jeffery W.; Unicomb, Peter L.; and Armstrong, Robert K., Broken Hill Proprietary Company Limited, The. Heat treated rolled steel strapping. 4,816,090, 3-28-89, Cl. 148-320.000.

Doone, Rodney M.; and Colbert, Henry J., to Bowthorpe EMP Li ited. Electrical surge arrester/diverter having a heat shrink materi outer housing. 4,851,955, 7-25-89, Cl. 361-117.000.

Door, Robert D.: *See—*
  McMichael, James W.; and Door, Robert D., 4,889,577, C 156-281.000.

Doorley, Richard B. Socket wrench slugging device. 4,864,9 9-12-89, Cl. 81-466.000.

Doorman, Volker; and Krumme, Jens-Peter, to U.S. Philips Corpor tion. Method of manufacturing an optical stripline waveguide fo non-reciprocal optical components. 4,849,080, 7-18-89, C 204-192.150.

Doornbos, Tamme S. M.; Haring, Petrus; and Van Der Heijden, Arno dus, to Lever Brothers Company. Use of diketone precursors in food products. 4,889,736, 12-26-89, Cl. 426-536.000.

Dop, Dennis B.; Freitag, Michael G.; and Zawacki, Norbert W., Zawacki, Norbert W. Cellular alarm backup system. 4,887,29 12-12-89, Cl. 379-33.000.

Dopaco, Inc.: *See—*
  DiMarzio, Frank; and Mitman, David, 4,861,325, Cl. 493-124.00
  Eisman, Larry, 4,848,648, Cl. 229-114.000.
  Eisman, Larry, 4,877,178, Cl. 229-114.000.
  Stearns, Norman K.; Wagoner, William K.; Long, Randy; and DiMarzio, Frank, 4,832,675, Cl. 493-128.000.

Dopler Industries Inc.: *See—*
  Bruckstein, Henry, 4,858,989, Cl. 296-97.200.

Dopp, Robert B.: *See—*
  Larsen, Duane M.; and Dopp, Robert B., 4,857,424, Cl. 429-206.000.

Doppelfeld, Peter; Oosta, Gary; Riebel, Alexander; and Schranz, Karl-Wilhelm, to Miles Inc. Enzymes immobilized on polyamides or cellulose hydrate. 4,808,529, 2-28-89, Cl. 435-179.000.

Doppelt, Samuel H. Bone biopsy apparatus. 4,798,213, 1-17-89, Cl. 128-754.000.

Doppstadt, Werner. Composting equipment. 4,852,816, 8-1-89, Cl. 241-101.700.

Doran, Brian A.; and Redkey, Robert H., to Redkey, Robert H. Double faced sports racquet. 4,804,183, 2-14-89, Cl. 273-73.00C.

Doran, Brian A.; and Redkey, Robert H., to Redkey, Robert H. Golf club set with alignment features. 4,809,977, 3-7-89, Cl. 273-77.00A.

Doran, Brian A.; and Redkey, Robert H., to Redkey, Robert H. Golf putter with alignment features. 4,809,981, 3-7-89, Cl. 273-164.000.

Doran, Brian A.; and Redkey, Robert H., to Redkey, Robert H. Golf club putter. 4,872,683, 10-10-89, Cl. 273-164.000.

Doran Brothers Inc.: *See—*
  Butterly, Edward R., Jr.; and Stoppel, Doyle, 4,843,797, Cl. 53-448.000.

Doran, Nicholas J., to British Telecommunications Public Limited Company. Apparatus and methods for processing optical signal with waveguides exhibiting soliton effects. 4,881,788, 11-21-89, Cl. 350-96.150.

Doran, Robert A.; and Ficalora, Joseph P., to Allied-Signal Inc. Ring laser cavity length control mirror assembly. 4,836,677, 6-6-89, Cl. 356-350.000.

Doran, Samuel K.: *See—*
  Davis, Donald E.; Doran, Samuel K.; Perkins, Merlyn H.; and Pfeiffer, Hans C., 4,818,885, Cl. 250-492.200.

Dorawala, Tansukhlal G.: *See—*
  Bartels, Craig R.; Dorawala, Tansukhlal G.; Stephenson, Michael T.; Pasternak, Mordechai; and Reale, John, Jr., 4,872,991, Cl. 210-651.000.

D'Orazio, Robert R.: *See—*
  Sabersky, Andrew P.; Littlestone, Nicholas; Abbott, Jack E.; Gibbons, William J.; D'Orazio, Robert R.; and Smith, Nathan R., 4,827,436, Cl. 364-559.000.

Dorcich, Dan D.: *See—*
  Slonimsky, Leonid; and Dorcich, Dan D., 4,811,927, Cl. 249-210.000.
  Slouimsky, Leonid; and Dorcich, Dan D., 4,832,308, Cl. 249-78.000.

Dordi, GianMaria; and Fiorini, Gianfranco, to Permaflex, S.p.A. Guide apparatus for the beading to connect the components of a cover for mattresses or the like. 4,794,873, 1-3-89, Cl. 112-2.100.

Dordi, GianMaria; and Fiorini, Gianfranco, to Permaflex, S.p.A. Apparatus for the semiautomatic formation of sheaths that is, covers for mattresses and the like. 4,821,656, 4-18-89, Cl. 112-2.100.

Dordick, Jonathan S.: *See—*
  Klibanov, Alexander M., and Dordick, Jonathan S., 4,826,762, Cl. 435-28.000.
  Rathbone, Elner B.; Mufti, Khizar S.; Khan, Riaz A.; Cheetham, Peter S. J.; Hacking, Andrew J.; and Dordick, Jonathan S., 4,826,962, Cl. 536-122.000.

Dore, James E.: *See—*
  Brockmeyer, Jerry W.; Aubrey, Leonard S.; and Dore, James E., 4,885,263, Cl. 501-81.000.

Dore, Peter B. Repair process for a fibre reinforced structure. 4,855,173, 8-8-89, Cl. 428-63.000.

Dore, Steven A. Ladder scaffold. 4,823,911, 4-25-89, Cl. 182-119.000.

Dorel, David; and Lipkin, Margalit. Board game. 4,834,388, 5-30-89, Cl. 273-236.000.

Dorel Industries Inc.: *See—*
  Schwartz, Leo, 4,811,436, Cl. 5-93.00R.
  Schwartz, Leo; and Hall, David, 4,847,945, Cl. 16-30.000.

Doremus, Bernard: *See—*
  Airey, Peter J.; and Doremus, Bernard, 4,844,159, Cl. 166-214.000.

Dorenkamp, Richard: *See—*
  Kramer, Karl-Martin; and Dorenkamp, Richard, 4,875,449, Cl. 123-400.000.

Dorer, Casper J., Jr.: *See—*
  Johnston, Thomas E.; and Dorer, Casper J., Jr., 4,804,389, Cl. 44-70.000.
  Koch, Frederick W.; Evans, Gail A.; Dorer, Casper J., Jr.; and Del Paggio, Alan A., 4,816,038, Cl. 44-68.000.

Dorey, Howard A.; and Suski, Bronislaw J., to Schlumberger Electronics (UK) Limited. Sensors. 4,831,304, 5-16-89, Cl. 310-311.000.

Dorf, Ernst-Ulrich: *See—*
  Ostlinning, Edgar; and Dorf, Ernst-Ulrich, 4,824,933, Cl. 528-388.000.

Dorf Industries Pty. Ltd.: *See—*
  Bernat, Georg, 4,880,209, Cl. 251-363.000.
  Bernat, Georg J., 4,887,642, Cl. 137-625.410.

Dorfler, Otto: *See—*
  Auernhammer, Erich; Schmiedel, Henrich; and Dorfler, Otto, 4,851,726, Cl. 310-89.000.

Dorflinger, Hans-Dieter: *See—*
  Schweiss, Peter; and Dorflinger, Hans-Dieter, 4,818,377, Cl. 209-164.000.

Dorfman, Jan L., to Adolph Coors Company. Disposable package for use in marketing fluids. 4,867,348, 9-19-89, Cl. 222-173.000.

Dorfman, Mitchell R.; Rangaswamy, Subramaniam; and Reardon, Joseph D., to Perkin-Elmer Corporation. Thermal spray iron alloy powder containing molybdenum, copper and boron. 4,822,415, 4-18-89, Cl. 75-251.000.

Dorfman, Mitchell R., to Perkin-Elmer Corporation, The. Tungsten carbide powder and method of making for flame spraying. 4,872,904, 10-10-89, Cl. 75-0.5BA.

Dorgan, Robert J.; and Wallace, David A., to General Electric Company. Dual hydrostatic drive transmission. 4,848,186, 7-18-89, Cl. 74-677.000.

Dorgan, Roderick J.; and Elliott, Richard L., to Beecham Group, p.l.c. Benzazepines and methods therefor. 4,866,056, 9-12-89, Cl. 514-211.000.

Dorge, Franz; Erlenmayer, Udo; Faber, Bernd; Herty, Winfried; and Munz, Gunter, to Witzenmann GmbH Metallschlauch-Fabrik Pforzheim. High-temperature-resistant type coupling. 4,880,259, 11-14-89, Cl. 285-137.100.

Dorge, Udo: *See—*
  Andra, Rainer; Kurr, Klaus; Ullrich, Gunter; and Dorge, Udo, 4,873,887, Cl. 74-573.00F.

Dorgelo, Albertus, to U.S. Philips Corporation. System for searching idle switching time slots defining a selected four-wire communication connection through a switching network working on the basis of time and space-division. 4,845,705, 7-4-89, Cl. 370-58.000.

Dori, Zvi; Gershon, David; and Scharf, Yehuda, to Chai-Tech Corporation. Method of treating a burn employing a metallo-organic cobalt compound. 4,866,053, 9-12-89, Cl. 514-184.000.

Dori, Zvi; and Gershon, David, to Chai-Tech Corporation. Antioxidant metallo-organic treatment of inflammation. 4,866,054, 9-12-89, Cl. 514-184.000.

Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, to Farmitalia Carlo Erba S.p.A. Heteroaryl 3-oxo-propanenitrile derivatives, pharmaceutical compositions and use. 4,816,467, 3-28-89, Cl. 514-333.000.

Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, to Farmitalia Carlo Erba S.p.A. Cinnoline-carboxamides and process for their preparation. 4,826,837, 5-2-89, Cl. 514-248.000.

Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, to Farmitalia Carlo Erba S.p.A. Condensed pyrazole derivatives, pharmaceutical compositions and use. 4,853,405, 8-1-89, Cl. 514-406.000.

Doria, Pierluigi; and Mottana, Sergio, to Luigi Franchi S.p.A. Pack-type clip for shotgun cartridges. 4,805,333, 2-21-89, Cl. 42-50.000.

Doriath, Gerard: *See—*
  Meunier, Paul-Louis; Doriath, Gerard; and Razeghi, Manijeh, 4,823,083, Cl. 324-244.000.

Doring, Joachim: *See—*
  Eichenauer, Herbert; Buding, Hartmuth; Doring, Joachim; Casper, Rudolf; and Ott, Karl-Heinz, 4,857,591, Cl. 525-74.000.
  Wingler, Frank; Summermann, Klaus; Wassmuth, Gerd; Pischtschan, Alfred; and Doring, Joachim, 4,795,780, Cl. 525-53.000.

Doris Engineering: *See—*
  Danguy des Deserts, Loic M. J.; Sedillot, Francois G.; and Michel, Dominique, 4,797,034, Cl. 405-202.000.

Doris, G. G.: *See—*
  Sparks, Charles, 4,886,398, Cl. 405-224.000.

Doris, Kenneth R.: *See—*
  Roelofs, Darrell D.; Lopez, Alfred R.; and Doris, Kenneth R., 4,823,127, Cl. 340-947.000.

Dorival, Michel, to Compagnie Industrielle de Tubes et Lampes Electriques Citel. Lightning arrester device comprising at least one fusible element. 4,866,561, 9-12-89, Cl. 361-119.000.

Dorland, Hendricus A. H., to U.S. Philips Corp. Saturating bipolar switch circuit for telephone dial pulsing. 4,800,585, 1-24-89, Cl. 379-364.000.

D'Orlando, Michael. Dough forming and cutting device. 4,808,104, 2-28-89, Cl. 425-298.000.

Dorleans, Andre M., to Total Compagnie Francaise des Petroles. Pressure relief process for well-drilling. 4,852,667, 8-1-89, Cl. 175-65.000.

Dorleans, Guy, to Cibie Projecteurs. Fastening means for a motor vehicle lamp. 4,822,302, 4-18-89, Cl. 439-544.000.

Dorleans, Guy, to Valeo Vision. Attachment and hinging component, especially for a device to adjust an optical element, particularly for a motor vehicle headlight. 4,884,174, 11-28-89, Cl. 362-61.000.

Dorleijn, Jan W. F.; van der Heijden, Rudolf L. A.; and Denneman, Jan W., to U.S. Philips Corp. Method of operating a high-pressure discharge lamp. 4,868,463, 9-19-89, Cl. 315-326.000.

Dorler, Jack A.: *See—*
  Curtin, James J.; Dorler, Jack A.; Jordy, George J.; and Leiner, Kenneth L., 4,798,976, Cl. 307-441.000.

Dorm, Dwight, to Dormco, Inc. Protective body suit. 4,866,789, 9-19-89, Cl. 2-2.000.

Dorma Door Controls, Inc.: *See—*
  Nesbitt, Lanny E., 4,878,265, Cl. 16-49.000.

Dorman, Frank D.: *See—*
  Wigness, Bruce D., and Dorman, Frank D., 4,846,806, Cl. 604-175.000.

Dorman, John G.; Wylie, Mark E.; and Sturges, Robert H., to Westinghouse Electric Corp. Double-ended termination and routing arrangement for an automated wiring system. 4,862,927, 9-5-89, Cl. 140-92.100.

Dorman, Linneaus C.; and Meyers, Paul A., to Dow Chemical Company, The. Composites of unsintered calcium phosphates and synthetic biodegradable polymers useful as hard tissue prosthetics. 4,842,604, 6-27-89, Cl. 623-16.000.

- Dorman, Linneaus C.: *See—*
  - Meyers, Paul A.; and Dorman, Linneaus C., 4,818,536, Cl. 424-409.000.
  - Meyers, Paul A.; and Dorman, Linneaus C., 4,828,835, Cl. 424-409.000.
- Dormandy, Ray H., Jr.; and Bell, Julie D., to Interventional Therapeutics Corporation. System for artificial vessel embolization and devices for use therewith. 4,819,637, 4-11-89, Cl. 128-325.000.
- Dormco, Inc.: *See—*
  - Dorm, Dwight, 4,866,789, Cl. 2-2.000.
- Dorminy, John L.: *See—*
  - Forsythe, Carl; Dorminy, John L.; and Raymon, Joseph W., 4,856,969, Cl. 417-395.000.
- Dormish, Jeffrey; and Henning, Wolfgang, to Bayer Aktiengesellschaft. Process for the preparation of aqueous polyurethane-polyurea dispersions. 4,871,798, 10-3-89, Cl. 524-591.000.
- Dormond, Kenneth; and Friedman, Robert J., to Synthes (U.S.A.). Computer system and method for suggesting treatments for physical trauma. 4,839,822, 6-13-89, Cl. 364-513.000.
- Dormoy, Jean-Robert; and Heymes, Alain, to SANOFI. 1H-pyrrolo [3,2-c]pyrrolidines protected in 1-position useful as intermediates. 4,831,144, 5-16-89, Cl. 546-113.000.
- Dorn, Conrad P.: *See—*
  - Durette, Philippe L.; and Dorn, Conrad P., 4,868,155, Cl. 514-19.000.
  - Finke, Paul E.; Zimmerman, Morris; Doherty, James B.; Ashe, Bonnie Mae; and Dorn, Conrad P., 4,797,396, Cl. 514-210.000.
- Dorn, George K.; and Gilbert, Herbert A., to Prepolene Industries, Inc. Fuel extender. 4,806,129, 2-21-89, Cl. 44-56.000.
- Dorn, Gordon L.; Fleming, William H.; and Knezek, Karen L., to Wadley Technologies, Inc. Miniaturized yeast identification system. 4,847,128, 7-11-89, Cl. 435-34.000.
- Dorn, Karsten; Grosch, Peter; and Kremer, Ingo, to Reinz-Dichtungs GmbH. Method of producing a flat gasket. 4,880,669, 11-14-89, Cl. 427-210.000.
- Dorn, Reimund, to Alcatel N.V. Method of producing an elongated glass body, particularly a preform for optical waveguides. 4,867,774, 9-19-89, Cl. 65-3.140.
- Dorn, Russell J.: *See—*
  - Arribau, Jorge O.; and Dorn, Russell J., 4,850,702, Cl. 366-136.000.
- Dorn, Uwe; Meyer, Horst; Piorek, Hans-Georg; and Miller, Rudolf, to E C O GmbH Elektric Concept for Offices Produktion + Marketing. Movable panel member incorporating an integrated electrical current distributing busbar. 4,795,355, 1-3-89, Cl. 439-215.000.
- Dornan, Arthur E., to Kelsey-Hayes Co. Automobile electric door lock actuator. 4,819,493, 4-11-89, Cl. 74-89.170.
- Dornbrock, Ronald F.: *See—*
  - Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,833,436, Cl. 336-60.000.
  - Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,875,277, Cl. 29-606.000.
- Dornbusch, Arthur H.; Schanzle, Roger E.; and Brazier, Irvin L., to Procter & Gamble Company, The. Thermoplastic in-mold labeling label structure for deformable thermoplastic packages. 4,883,697, 11-28-89, Cl. 428-35.700.
- Dornbush, Robert A., Sr.: *See—*
  - Ballinger, Kedric L.; and Dornbush, Robert A., Sr., 4,875,685, Cl. 273-195.00B.
- Dorndorf, Gotz: *See—*
  - Gajic, Branco R., 4,872,900, Cl. 71-23.000.
- Dornemann, Manfred, to Degesch GmbH. Process for treating agricultural products with pesticides on ships. 4,853,241, 8-1-89, Cl. 426-320.000.
- Dorner, Friedrich: *See—*
  - Montie, Thomas C.; Dorner, Friedrich; McDonel, James L.; and Mitterer, Artur, 4,831,121, Cl. 530-350.000.
- Dorner, Karlheinz, to Hans Heynau GmbH. Method of and arrangement for controlling an asynchronous motor. 4,833,388, 5-23-89, Cl. 318-800.000.
- Dorner Mfg. Corp.: *See—*
  - Dorner, Wolfgang C., 4,800,706, Cl. 53-251.000.
  - Dorner, Wolfgang C.; and Hansen, Kenneth N., 4,820,103, Cl. 414-790.000.
  - Dorner, Wolfgang C., 4,854,817, Cl. 414-798.900.
  - Dorner, Wolfgang C.; Allen, Michael C.; Wedell, Mark C.; and Hosch, Michael A., 4,861,225, Cl. 414-789.900.
  - Dorner, Wolfgang C.; and Hosch, Michael A., 4,861,226, Cl. 414-790.300.
  - Dorner, Wolfgang C.; and Gillette, Dennis R., 4,865,515, Cl. 414-788.200.
- Dorner, Wolfgang; Leuchte, Michael; and Brockel, Klaus, to Stihl, Andreas. Portable handheld motor-driven tool. 4,817,738, 4-4-89, Cl. 173-162.100.
- Dorner, Wolfgang; Lux, Helmut; and Fink, Reinhold, to Stihl, Andreas. Handheld portable tool having an internal combustion engine. 4,836,297, 6-6-89, Cl. 173-162.100.
- Dorner, Wolfgang C., to Dorner Mfg. Corp. Apparatus for loading a stack of articles into a relatively flimsy container. 4,800,706, 1-31-89, Cl. 53-251.000.
- Dorner, Wolfgang C.; and Hansen, Kenneth N., to Dorner Mfg. Corp. Apparatus for vertically stacking and storing articles. 4,820,103, 4-11-89, Cl. 414-790.000.
- Dorner, Wolfgang C., to Dorner Mfg. Corp. Apparatus for unstacking articles. 4,854,817, 8-8-89, Cl. 414-798.900.
- Dorner, Wolfgang C.; Allen, Michael C.; Wedell, Mark C.; and Hosch, Michael A., to Dorner Mfg. Corp. Apparatus for stacking articles in a side-by-side relation. 4,861,225, 8-29-89, Cl. 414-789.900.
- Dorner, Wolfgang C.; and Hosch, Michael A., to Dorner Mfg. Corp. Apparatus for stacking articles and feeding the stacks to a discharge site. 4,861,226, 8-29-89, Cl. 414-790.300.
- Dorner, Wolfgang C.; and Gillette, Dennis R., to Dorner Mfg. Corp. Apparatus for unstacking and stacking containers. 4,865,515, 9-12-89, Cl. 414-788.200.
- Dornfeld, David A.: *See—*
  - Lemaster, Richard L.; and Dornfeld, David A., 4,831,880, C 73-587.000.
  - Lemaster, Richard L.; and Dornfeld, David A., 4,854,172, C 73-587.000.
- Dornfeld, Stanley W. Workpiece holding device. 4,804,171, 2-14-89, C 269-138.000.
- Dornhagen, Horst; Hammer, Hartmut; and Meisenburg, Ewald. Process for the purification of dimethylether by distillation. 4,802,95 2-7-89, Cl. 203-42.000.
- Dornhagen, Horst; Hammer, Hartmut; Haas, Bernd; and Meisenburg, Ewald. Process for the production of pure dimethylether and catalyst used in the process. 4,885,405, 12-5-89, Cl. 568-698.000.
- Dornier GmbH: *See—*
  - Deppner, Horst, 4,834,317, Cl. 244-1.0TD.
  - Heynatz, Johann T., 4,796,840, Cl. 244-215.000.
  - Kramer, Bernhard, 4,799,653, Cl. 267-136.000.
  - Lotz, Michael, deceased; Vanino, Rudiger, deceased; Kuhl, Peter; Welte, Dieter; and Zimmer, Herbert, 4,856,735, Cl. 244-35.00
  - Sauter, Josef, 4,871,138, Cl. 248-408.000.
  - Zimmer, Herbert, 4,799,859, Cl. 416-20.00R.
- Dornier Medizintechnik GmbH: *See—*
  - Forssmann, Bernd; and Eizenhoefer, Harald, 4,809,682, Cl. 12 24.00A.
  - Heine, Gerold; and Stark, Joachim, 4,802,525, Cl. 164-48.000.
  - Wess, Othmar; Groezinger, Reiner; Isdebski, Kai; Windsheimer, Manfred; and Erhardt, Wolfgang, 4,805,600, Cl. 128-24.00A.
- Dornier, Peter; Langer, Rudolf; and Maierhofer, Hans-Jurgen, to Lindauer Dornier Gesellschaft m.b.H. Tentering chain track for tentering clamps travelling in a closed-loop in a tentering frame. 4,815,1 3-28-89, Cl. 26-91.000.
- Dornier, Peter; Langer, Rudolf; Troetscher, Gerhard; and Hecht, Anton, to Lindauer Dornier Gesellschaft mbH. Material dryer especially for bulk material traveling continuously through the dryer. 4,823,479, 4-25-89, Cl. 34-210.000.
- Dornier System GmbH: *See—*
  - Kock, Wulf; and Laboureur, Michael, 4,804,167, Cl. 266-200.00
  - Kock, Wulf; and Wagner, Wolfgang, 4,824,600, Cl. 252-313.10
  - Lork, Wolfram, 4,885,137, Cl. 422-140.000.
  - Scherber, Werner; and Meisel, Thomas, 4,887,890, Cl. 350-357.00
- Dornish, John M.: *See—*
  - Borretzen, Bernt; Larsen, Rolf O.; Pettersen, Erik O.; Dornish, John M.; and Oftebro, Rolf, 4,874,780, Cl. 514-452.000.
- doro tape Ehlis KG: *See—*
  - Ehlis, Uwe, 4,826,562, Cl. 156-523.000.
- Dorombozi, Laszlo: *See—*
  - Solymos, Andras; Barsi, Karoly; Kis-Tamas, Laszlo; Fors Istvan; Dorombozi, Laszlo; and Lukonits, Otto, 4,799,738, C 299-11.000.
- Doron Precision Systems, Inc.: *See—*
  - Adams, Warren K., 4,846,686, Cl. 434-69.000.
- Dorosz, Zbigniew. Odometer with distance traveled and distance remaining displays. 4,879,732, 11-7-89, Cl. 377-24.200.
- Dorow, Joachim; and Bleckmann, Gerhard, to BASF Aktiengesellschaft. Apparatus for clamping printing plates. 4,809,607, 3-7-89, C 101-415.100.
- Dorow, Rainer: *See—*
  - Wachtel, Helmut; Schneider, Herbert H.; Loschmann, Peter; Ackstein Andreas; Dorow, Rainer; Horowski, Reinhard; Ackstein Bernard; Schulze, Paul-Eberhard; and Sauer, Gerhard, 4,857,29 Cl. 424-1.100.
- Dorow, William H.: *See—*
  - Kirschner, Mitchell I.; and Dorow, William H., 4,869,90 C 424-468.000.
- Dorph, Thor. Hydraulically operated different density particle sorting apparatus. 4,818,375, 4-4-89, Cl. 209-18.000.
- Dorr, John A., to Xecutek Corporation. Ultrasonic sensor system. 4,815,046, 3-21-89, Cl. 367-95.000.
- Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Gerken, Rudolf; and Lailach, Gunter, to Bayer Aktiengesellschaft; and Metallgesellschaft Aktiengesellschaft. Process for cleaning flue gases. 4,834,954, 5-30-8 Cl. 423-242.000.
- Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Fennemann, Wolfgang; and Ohlms, Norbert, to Metallgesellschaft Aktiengesellschaft and Stadtwerke Munster GmbH. Process of purifying flue gases. 4,842,835, 6-27-89, Cl. 423-242.000.
- Dorr-Oliver Incorporated: *See—*
  - Kennel, George W.; and Rollberg, Matthew J., 4,853,115, C 209-173.000.
  - Krishnaswamy, Prem; and Hoyack, Mark E., 4,880,017, C 210-219.000.
  - Pietzsch, Kurt E., 4,861,495, Cl. 210-739.000.
- Dorr, Robert: *See—*
  - Hruby, Victor J.; Hadley, Mac E.; Dorr, Robert; Levine, Norman; Sugg, Elizabeth; and Cody, Wayne L., 4,866,038, Cl. 514-14.00

- Dorr, Wolfgang: *See—*
  - Assmann, Helmut; Dorr, Wolfgang; Maier, Georg; and Peehs, Martin, 4,795,341, Cl. 432-126.000.
  - Peehs, Martin; Bayer, Heinrich; Jenczio, Ulrich; Laucht, Jurgen; Hellmann, Sieghard; Dichtjar, Gerhard; Dorr, Wolfgang; and Maier, Georg, 4,816,193, Cl. 264-0.500.
- Dorrego, Fernando: *See—*
  - Sunkel, Carlos; Fay de Casa Juana, Miguel; Dorrego, Fernando; Pando, Basilio; Alvarez-Builla, Julio; Vaquero, Juan J.; Galera, Carlos; and Vazquez, Maria L., 4,880,894, Cl. 548-152.000.
- Dorrell, Paul L., to Wade Manufacturing Co. Watering system display stand. 4,832,607, 5-23-89, Cl. 434-429.000.
- Dorri, Bizhan, to General Electric Company. Method and apparatus for reducing side panel hot spots in a kitchen range. 4,848,311, 7-18-89, Cl. 126-21.00R.
- Dorsam, Willi R. L.: *See—*
  - Wieland, Erich G.; and Dorsam, Willi R. L., 4,862,800, Cl. 101-415.100.
- Dorsch, Carl J.: *See—*
  - Dulis, Edward J.; Dorsch, Carl J.; and Stasko, William, 4,839,139, Cl. 419-35.000.
  - Dulis, Edward J.; Dorsch, Carl J.; and Stasko, William, 4,880,460, Cl. 75-236.000.
- Dorsch, Dieter; Eidenschink, Rudolf; and Herz, Claus P., to Merck Patent Gesellschaft mit Beschrankter Haftung. Oriented polymer materials. 4,822,682, 4-18-89, Cl. 428-411.100.
- Dorsch, Dieter: *See—*
  - Eidenschink, Rudolf; Dorsch, Dieter; and Herz, Claus P., 4,833,035, Cl. 428-411.100.
- Dorsch, Glenn R., to Vaughan Co., Inc. Face-type shaft seal with shroud. 4,840,384, 6-20-89, Cl. 277-12.000.
- Dorsch, Glenn R., to Vaughan Co., Inc. High head centrifugal slicing slurry pump. 4,842,479, 6-27-89, Cl. 415-121.100.
- Dorschner, Terry A.; Smith, Irl W.; and Statz, Hermann, to Raytheon Company. Skewed rhombus ring laser gyro. 4,813,774, 3-21-89, Cl. 350-622.000.
- Dorschner, Terry A., to Raytheon Company. Orthohedral ring laser gyro. 4,818,087, 4-4-89, Cl. 350-622.000.
- Dorschner, Terry A.: *See—*
  - Keene, Wayne H.; Dorschner, Terry A.; and Howell, James M., 4,813,766, Cl. 350-337.000.
- Dorsett, Preston H., to University of Tennessee Research Corporation, The. Passive agglutination assay for pseudorabies antibody. 4,804,624, 2-14-89, Cl. 435-5.000.
- Dorsett, Preston H.; Naegele, Robert F.; and Ratcliffe, Terry S., to University of Tennessee Research Corporation. Recovery of cytomegalovirus antigen and use thereof in an assay. 4,808,518, 2-28-89, Cl. 435-5.000.
- Dorsett, Thomas J.: *See—*
  - Nelson, Craig H.; Dorsett, Thomas J.; and Davis, Charles L., 4,889,133, Cl. 128-681.000.
- Dorsey, Harris J. Churn basket. 4,829,705, 5-16-89, Cl. 43-44.990.
- Dorsey, Kenneth E. Cooling anti-itch skin preparations. 4,797,402, 1-10-89, Cl. 514-171.000.
- Dorsey, Wayne W.; and Thurston, James G., to Valley Blox, Inc. Manhole invert casting system. 4,867,411, 9-19-89, Cl. 249-11.000.
- Dorsey, William C.; and Wertz, Ann M., to Armstrong World Industries, Inc. Decorative surface covering with geometric patterns and colored particles. 4,816,318, 3-28-89, Cl. 428-167.000.
- Dorsey, William C.: *See—*
  - Dees, Martin, Jr.; Dorsey, William C.; and Stewart, Arlene J. G., 4,816,319, Cl. 428-167.000.
- Dorsey-Zinn, Denise; Meiser, Sue M.; and Cassidy, Michael F., to Random House, Inc. Puzzle including pieces formed from a crayon material. 4,811,951, 3-14-89, Cl. 273-157.00R.
- Dorshimer, Glenn E., to General Motors Corporation. Apparatus and method of utilization thereof of a profile headrest. 4,881,777, 11-21-89, Cl. 297-406.000.
- Dorski, Ronald L., to General Motors Corporation. Integral connection for plastic water pump impeller. 4,832,573, 5-23-89, Cl. 416-241.00A.
- Dorth, John P.: *See—*
  - Schorr, Ian A.; Pucci, Gregory P.; Dorth, John P.; and Miller, Bruce R., 4,853,949, Cl. 379-2.000.
- Dortu, Giovanni: *See—*
  - Cardot, Gerard; and Dortu, Giovanni, 4,823,383, Cl. 379-412.000.
- D'Orvilliers, Anne L.: *See—*
  - Blackburn, Martin J.; Paulonis, Daniel F.; Caless, Robert H.; and D'Orvilliers, Anne L., 4,820,356, Cl. 148-12.70N.
- Dorward, Donald; and Hupa, Waldemar A., to Magna International Inc. Tone generator with improved diaphragm mounting. 4,823,110, 4-18-89, Cl. 340-388.000.
- Dorweiler, Harald; Elter, Claus; Growert, Franz; Schmitt, Hermann; Robark, Guenter; and Schoening, Josef, to Hochtemperatur-Reaktorbau GmbH. Absorber rod. 4,863,672, 9-5-89, Cl. 376-226.000.
- Dory, Jacques, to EDAP International. Acoustic filter for suppressing or attenuating the negative half-waves of an elastic wave and an elastic wave generator comprising such a filter. 4,856,107, 8-8-89, Cl. 367-150.000.
- Dory, Thomas S., to Olin Corporation. Process for plasma depositing silicon nitride and silicon dioxide films onto a substrate. 4,877,641, 10-31-89, Cl. 427-38.000.
- Dory, Thomas S., to Olin Corporation. Process for thermally depositing silicon nitride and silicon dioxide films onto a substrate. 4,877,651, 10-31-89, Cl. 427-255.000.
- Doryokuro Kakunenryo Kaihatsu Jigyodan: *See—*
  - Kataoka, Hajime; and Gunji, Minoru, 4,815,989, Cl. 439-426.000.
- Doryokuro Kakunenryo Kaihatsu Jigyodan: *See—*
  - Endo, Noboru; Kikuchi, Yutaka; Yamatsuta, Kiichi; and Goto, Shoji, 4,822,525, Cl. 252-629.000.
  - Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, 4,824,430, Cl. 494-22.000.
  - Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, 4,857,040, Cl. 494-22.000.
  - Ohtsuka, Katsuyuki; and Takahashi, Yoshiharu, 4,844,838, Cl. 252-629.000.
  - Otomura, Keiichiro; Ogura, Yoshikazu; Echigo, Yoshiaki; Yamao, Mutsunori; and Ishikura, Tadashi, 4,808,316, Cl. 210-664.000.
  - Tomoshige, Shozo; Obara, Hideto; Kondo, Kozo; Otomura, Keiichiro; and Yano, Soichiro, 4,832,924, Cl. 423-7.000.
  - Yatsuhashi, Motoharu; Mochizuki, Masataka; and Sugihara, Shinichi, 4,842,053, Cl. 165-104.140.
- dos Santos Pereina Ribeiro, Carlos A. S. P., to Hartec Gesellschaft fur Hartstoffe und Dunnschichttechnik mbH & Co. KG. Method for applying coatings to objects by means of magnetic field supported reactive cathode sputtering. 4,883,574, 11-28-89, Cl. 204-192.150.
- dos Santos Pereiro Ribeiro, Carlos A. Magnetron sputtering cathode. 4,826,584, 5-2-89, Cl. 204-298.000.
- Dosa-Pack S.R.L.: *See—*
  - Gandini, Luigi, 4,887,410, Cl. 53-436.000.
- Dosaj, Vishu D.; Filsinger, Daniel H.; and Trunzo, James E., to Dow Corning Corporation. Addition of calcium compounds to the carbothermic reduction of silica. 4,798,659, 1-17-89, Cl. 204-164.000.
- Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, to Mitsubishi Denki Kabushiki Kaisha. Redundary circuit with a spare main decoder responsive to an address of a defective cell in a selected cell block. 4,837,747, 6-6-89, Cl. 371-10.000.
- Dosaka, Katsumi: *See—*
  - Konishi, Yasuhiro; Fujishima, Kazuyasu; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; and Dosaka, Katsumi, 4,809,230, Cl. 365-189.000.
  - Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.
  - Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.
- Dosapro Milton Roy: *See—*
  - Laziou, Alain, 4,881,876, Cl. 417-63.000.
  - Malizard, Max A.; and Degremont, Jean C., 4,883,412, Cl. 417-387.000.
- Dosch, Jeffrey J.: *See—*
  - Harwood, Van N., Jr.; Dosch, Jeffrey J.; and Netteland, Loyal G., 4,879,996, Cl. 128-202.260.
- Dosco Overseas Engineering Limited: *See—*
  - Oldham, Gerald R., 4,838,615, Cl. 299-73.000.
  - Pentith, Sybil; and Pentith, Gerald R. O., 4,838,614, Cl. 299-15.000.
- Doshi, Dilip D.: *See—*
  - Berman, Mark H. S.; Doshi, Dilip D.; and Gilmore, Thomas F., 4,863,785, Cl. 428-218.000.
- Doshi, Kishore J.; Werner, Robert G.; and Mitariten, Michael J., to UOP. Integrated membrane/PSA process and system. 4,863,492, 9-5-89, Cl. 55-16.000.
- Doshi, Shailesh: *See—*
  - Dealy, John M.; Charrier, Jean-Michael; and Doshi, Shailesh, 4,883,622, Cl. 264-108.000.
- Doskocil, Benjamin L.; and Sharp, Douglas J., to Doskocil Manufacturing Co., Inc. Hand-held trotline holder. 4,862,636, 9-5-89, Cl. 43-57.300.
- Doskocil Manufacturing Co., Inc.: *See—*
  - Doskocil, Benjamin L.; and Sharp, Douglas J., 4,862,636, Cl. 43-57.300.
- Doslik, Peter; and Sommer, Werner, to Kocher & Beck OHG Gravieranstalt und Rotationsstanzenbau. Apparatus for the automatic manufacture of a punch having a sharp cutting edge. 4,848,190, 7-18-89, Cl. 76-4.000.
- Dosmann, Thomas R., to Continental Industries, Inc. One piece air diffuser. 4,884,497, 12-5-89, Cl. 98-40.130.
- Doss, Brian: *See—*
  - Svetkoff, Donald J.; Doss, Brian; and Smith, David N., 4,796,997, Cl. 356-376.000.
- Doss, Todd. Solar charging lamp. 4,841,416, 6-20-89, Cl. 362-183.000.
- Dossche, Bernard, to Moore Business Forms, Inc. Continuous business forms. 4,824,142, 4-25-89, Cl. 282-11.50A.
- Dossier, Michel, to Facom. Coil spring compressor. 4,872,645, 10-10-89, Cl. 254-10.500.
- Dost, Martin H.; Hopner, Emil; Melas, Constantin M.; and Provazek, Lionel D., to International Business Machines Corporation. Compound pulse dimming circuitry for conditioning readback signals. 4,875,112, 10-17-89, Cl. 360-65.000.
- Dost, Walfired: *See—*
  - Franz, Reinhard; and Dost, Walfired, 4,860,630, Cl. 84-439.000.
- Dostert, Philippe: *See—*
  - Gabetta, Bruno; Magistretti, Maria J.; and Dostert, Philippe, 4,863,956, Cl. 514-453.000.
- Doswald, Paul; and von Tobel, Hans-Rudolf, to Sandoz Ltd. Copper complexes of disazo compounds having di- or tri- sulfonaphthol and 6-[2,4-di-(amino or substituted amino)-1,3,5-triazin-6-ylamino-]-1-

hydroxy-3-sulfonaphthalene coupling component radicals. 4,843,152, 6-27-89, Cl. 534-701.000.
Dotani, Satoshi: *See—*
Onishi, Takami; and Dotani, Satoshi, 4,853,255, Cl. 427-148.000.
Doteuchi, Masami: *See—*
Hirai, Kentaro; Mizushima, Yukio; and Doteuchi, Masami, 4,839,365, Cl. 514-301.000.
Matsutani, Shigeru; Mizushima, Yukio; Doteuchi, Masami; and Ishihara, Yasunobu, 4,840,953, Cl. 514-258.000.
Doth, Thomas J., to Texas Instruments Incorporated. Failsafe brake for a multi-wheel vehicle with motor controlled steering. 4,887,013, 12-12-89, Cl. 318-489.000.
Dotsch, Willi: *See—*
Noe, Oskar; Noe, Rolf; Noe, Andreas; Dotsch, Willi; and Lux, Herbert, 4,886,199, Cl. 226-118.000.
Dotsko, Martin. Article manipulator. 4,850,631, 7-25-89, Cl. 294-86.400.
Dotson, Daniel J.; and See, Stephen E., to Ashland Oil, Inc. Water reducible soft coating compositions. 4,851,043, 7-25-89, Cl. 106-14.110.
Dotson, Duane L.: *See—*
Che, Tessie M.; Carney, Raymond V.; and Dotson, Duane L., 4,810,674, Cl. 501-12.000.
Dotson, Richard N.; and Brewer, Bruce L., to Custom Technologies, Inc. Cargo conveyor system. 4,828,102, 5-9-89, Cl. 198-588.000.
Dotson, Ronald L.; and Hernandez, Debra Y., to Olin Corporation. Direct electrochemical reduction of nitric acid to hydroxylamine nitrate. 4,849,073, 7-18-89, Cl. 204-101.000.
Dotson, Ronald L.; and Brooker, Robert T., to Olin Corporation. Process for concentrating aqueous solutions of hydroxylammonium salts. 4,851,125, 7-25-89, Cl. 210-638.000.
Dotter II, Buddie: *See—*
Doehler, Joachim; Hudgens, Stephen J.; Ovshinsky, Stanford R.; Dotter II, Buddie; Peedin, Lester R.; Krisko, Jeffrey M.; and Krisko, Annette, 4,883,686, Cl. 427-38.000.
Dotter, Laurel K.: *See—*
Billinger, Randy J.; Dotter, Laurel K.; and Gasaway, Tommy D., 4,799,255, Cl. 379-189.000.
Dotti, Enrico; Grasso, Giorgio; and Lanfranconi, Gianmario, to Societa' Cavi Pirelli S.p.A. Combined electrical power and optical fiber cable. 4,867,527, 9-19-89, Cl. 350-96.230.
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Doty, Gerald A.; and Zygutis, James L., to Gateway Industries, Inc. Seat belt buckle. 4,802,266, 2-7-89, Cl. 24-637.000.
Doty, Gerald A., to Gateway Industries, Inc. Seat retractor with lighting means. 4,823,239, 4-18-89, Cl. 362-75.000.
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SooHoo, Kie L.; and Doty, James H., 4,830,495, Cl. 356-350.000.
Doty, James H., II; and Lendaro, Jeffery B., to RCA Licensing Corporation. Television fault detection and protection apparatus. 4,797,771, 1-10-89, Cl. 361-88.000.
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Doty, Mitchell E.; and Schmidt, Ferenc J., to Ametek, Inc. Gas sensor. 4,836,012, 6-6-89, Cl. 73-23.000.
Doty, Thomas J.: *See—*
Brubaker, William B.; Slaughter, John; Christian, Donald J.; and Doty, Thomas J., 4,882,694, Cl. 364-424.020.
Dotzer, Peter; Glaser, Heinz; Hahn, Reinhold; and Mayr, Ernst, to Siemens Aktiengesellschaft. Method for tinting and further processing of at least one light waveguide. 4,887,423, 12-19-89, Cl. 57-295.000.
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Double D Double G Enterprises, Incorporated: *See—*
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Double, Glen P.: *See—*
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Double Helix Enterprises: *See—*
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Double, Jean-Pierre; and Lecluse, Cecile, to Rhone-Poulenc Fibres. Process for spinning polyamide at high speed. 4,804,508, 2-14-89, Cl. 264-103.000.
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Bernard, Emile; Galland, Gerard; Vernac, Yves; and Doublier, Charles, 4,865,690, Cl. 162-4.000.
Doucette, Kenneth E.; and Jennings, Chris W. Floatable cooler chest. 4,871,079, 10-3-89, Cl. 220-1.00R.
Douche, Jean-Pierre; Coulon, Jean-Claude; and Bernard, Claude, to Saint Gobain Vitrage. Pneumatic powder ejector. 4,807,814, 2-28-89, Cl. 239-428.000.
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Douchy, Michel; and Vachiery, Edmond, to Vallourec. Composite article having a tubular sheath containing a compacted material, for the treatment of liquid metals, and process for the production of said article. 4,816,068, 3-28-89, Cl. 75-53.000.
Douchy, Michel, to Affival. Composite product with a tubular casing for treating molten metal baths. 4,863,803, 9-5-89, Cl. 420-552.000.
Doud, Wilbur O., to Ball Corporation. Apparatus and method fo lubricating glassware mold. 4,867,777, 9-19-89, Cl. 65-26.000.
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Dougal, Roger A., to University of South Carolina. Magnetical delayed vacuum switch. 4,868,911, 9-19-89, Cl. 328-90.000.
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Dougherty, Clifford C., III: *See—*
Dougherty, C. Clark, Jr.; and Dougherty, Clifford C., III, 4,807,387, Cl. 43-42.090.
Dougherty, Edward F.; Scates, Mark O.; and Paul, James L., to Hoechst Celanese Corporation. Process for production of alkyl acry ates. 4,814,493, 3-21-89, Cl. 560-205.000.
Dougherty, James A.; and Vara, Fulvio J., to GAF Corporation. So vent resistant irradiation curable coatings. 4,885,319, 12-5-89, C 522-31.000.
Dougherty, James A.: *See—*
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Dougherty, John J., to General Electric Company. Circuit breake warning relay and control accessory. 4,876,622, 10-24-89, C 361-94.000.
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Dougherty, Lawrence W.; and Fendley, James R., to Zenith Electro ics Corporation. Method for mounting a tension mask color cathod ray tube. 4,824,412, 4-25-89, Cl. 445-45.000.
Dougherty, Lawrence W.; and Kraner, James L., to Zenith Electronics Corporation. Factory fixture frame with means for temporarily an removably supporting an in-process tension mask for a color cathod ray tube. 4,840,596, 6-20-89, Cl. 445-30.000.
Dougherty, Michael J.; and Olshansky, Alan S., to Microdot Inc. Pi connector. 4,836,806, 6-6-89, Cl. 439-751.000.
Dougherty, Richard M., to Motorola, Inc. High gain distributed ampl fiers. 4,876,516, 10-24-89, Cl. 330-54.000.
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Dougherty, Thomas J.; and Johnson, Richard T., to Globe-Union Inc. Polyphase alternator and dual voltage battery charging system fo multiple voltage loads. 4,816,736, 3-28-89, Cl. 320-17.000.
Dougherty, Thomas J.; Potter, William R.; and Weishaupt, Kenneth R. to Health Research, Inc. Hematoporphyrin derivatives and process o preparing. 4,866,168, 9-12-89, Cl. 540-145.000.
Dougherty, Thomas J.; Potter, William R.; and Weishaupt, Kenneth R. to Health Research, Inc. Apparatus for treatment of tumor 4,889,129, 12-26-89, Cl. 128-664.000.
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Doughty, Robert E. Grocery cart. 4,840,388, 6-20-89, Cl. 280-33.99
Douglas, Alan D.; MacInnis, Martin B.; and Vanderpool, Clarence D. to GTE Products Corporation. Method for converting cobalt t cobalt metal powder. 4,816,069, 3-28-89, Cl. 75-0.5BA.
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Douglas, Ellwood S.; and Mosher, Oren A., to Package Machiner Company. Method and apparatus for preparing a blended produc charge. 4,813,503, 3-21-89, Cl. 177-25.180.

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Douglas, George V.; and Douglas, Vivian T., to Douglas & Douglas, Inc. Rolling travois. 4,838,565, 6-13-89, Cl. 280-1.500.
Douglas-Hamilton, D. H.; and Ruffell, John P., to Eaton Corporation. Calorimetric dose monitor for ion implantation equipment. 4,812,663, 3-14-89, Cl. 250-492.20R.
Douglas, Hugh W.; and Spedding, Alan F. Structural members and construction methods. 4,850,170, 7-25-89, Cl. 52-427.000.
Douglas, James R., to Eaton Corporation. Method for producing a family of forged ring rolling preforms and forging die therefor. 4,798,077, 1-17-89, Cl. 72-360.000.
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Douglas, Joseph; and Jennings, Richard P., to ROLLS-ROYCE plc. Data selection circuits, systems and methods. 4,799,190, 1-17-89, Cl. 364-900.000.
Douglas, Keith; and Meyer, Mark Q. Apparatus having capacitive sensor and metal detector for detecting objects concealed behind surfaces. 4,853,617, 8-1-89, Cl. 324-67.000.
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Douglas, Lawrence M., to Polaroid Corporation. Electronic image printing apparatus. 4,800,400, 1-24-89, Cl. 346-107.00R.
Douglas, Lawrence M., to Polaroid Corporation. Instant type camera for receiving a collapsible film cassette. 4,814,801, 3-21-89, Cl. 354-86.000.
Douglas, Lawrence M., to Polaroid Corporation. Photographic film assemblage having instant film. 4,827,297, 5-2-89, Cl. 354-276.000.
Douglas Leigh Organization, The: *See—*
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Douglas, Monte A., to Texas Instruments Incorporated. Dry etch process for selectively etching non-homogeneous material bilayers. 4,855,015, 8-8-89, Cl. 156-626.000.
Douglas, Monte A., to Texas Instruments Incorporated. Trench etch process for a single-wafer RIE dry etch reactor. 4,855,017, 8-8-89, Cl. 156-643.000.
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Douglas, Noel L., to El Paso Products Company. Abrasion process for the manufacture of microporous film. 4,832,886, 5-23-89, Cl. 264-41.000.
Douglas, Paul L., to Shell Oil Company. Method for comparison of surfaces. 4,847,510, 7-11-89, Cl. 250-560.000.
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Douglass, David L.; and Moon, Marcus P., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,854,962, 8-8-89, Cl. 71-90.000.
Douglass, John M. Preparation of an uncooked sunflower seed foodstuff. 4,859,486, 8-22-89, Cl. 426-629.000.
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Doulakas, Johann, to Dispersa AG. Medicament for the treatment of inflammations of the eye. 4,829,088, 5-9-89, Cl. 514-567.000.
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Doumaux, Arthur R., Jr., to Union Carbide Corporation. Quality of catalytically prepared polyalkylene polyamines. 4,827,037, 5-2-89, Cl. 564-479.000.
Doumaux, Arthur R., Jr.; and Nelson, James R., to Union Carbide Chemicals and Plastics Company Inc. Process for removal of impurities in alkyl nitrite formation. 4,879,401, 11-7-89, Cl. 558-488.000.
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Douskalis, William, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Data communication arrangement with embedded matrix switch. 4,885,741, 12-5-89, Cl. 370-67.000.
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Kaper, Louris; Klamer, Roelof; and Noomer, Pieter J., 4,877,611, Cl. 426-422.000.
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Douziech, Patrick; and Berger, Philippe, to SGS-Thomson Microelectronics S.A. Multiple reference frequency generator. 4,855,688, 8-8-89, Cl. 331-8.000.
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Dove, S. Brent, to Board of Regents, The University of Texas System. Dental x-ray film cushioning device. 4,847,884, 7-11-89, Cl. 378-168.000.
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Bruza, Kenneth J.; and Kirchhoff, Robert A., 4,795,827, Cl 564-329.000.
Bruza, Kenneth J.; and Kirchhoff, Robert A., 4,825,001, Cl 564-328.000.
Bubeck, Robert A.; Clipper, Robert B.; and Henton, David E. 4,874,815, Cl. 525-71.000.
Buchholz, Fredric L., 4,861,849, Cl. 526-230.000.
Buhs, Christoph; Dreher, Eberhard; and McConchie, Garnet E. 4,849,562, Cl. 570-241.000.
Burba, John L., III; and Bauman, William C., 4,812,245, C 252-17.000.
Burgess, Michael J.; Clifford, David P.; and Sewell, Robert A. 4,795,746, Cl. 514-150.000.
Burgess, Michael J.; Sewell, Robert A.; and Clifford, David P. 4,800,195, Cl. 514-150.000.
Burney, Harry S., Jr.; Morris, Gregory J. E.; Beaver, Richard N and Spradling, Robert D., 4,839,012, Cl. 204-255.000.
Butts, Susan B., 4,847,229, Cl. 502-174.000.
Cadotte, John E.; and Schmidt, Donald L., 4,812,238, C 210-636.000.
Cadotte, John E.; and Walker, David R., 4,824,574, Cl. 210-654.00
Cadotte, John E.; and Schmidt, Donald L., 4,888,116, C 210-636.000.
Camisa, John D., 4,810,329, Cl. 162-168.100.
Carl, William P.; Tasset, Emmett L.; and Aikman, Robert E., Jr 4,859,745, Cl. 525-276.000.
Caskey, Terrence L., 4,842,910, Cl. 428-36.300.
Cavitt, Michael B., 4,797,432, Cl. 523-172.000.
Cavitt, Michael B.; and Duncan, David J., 4,837,246, C 523-172.000.
Cavitt, Michael B., 4,845,135, Cl. 523-172.000.
Cavitt, Michael B., 4,855,366, Cl. 525-533.000.
Cavitt, Michael B., 4,855,385, Cl. 528-97.000.
Cavitt, Michael B.; and Duncan, David J., 4,876,295, C 523-172.000.
Cawiezel, Kay E., 4,816,166, Cl. 210-727.000.
Chagnard, Harold A., Jr.; Brayden, Mark K.; and LeBlan Thomas R., 4,869,827, Cl. 210-700.000.
Chamberlin, Thomas A.; and Stevens, James C., 4,820,671, C 502-53.000.
Chang, Dane; and Wolfe, David L., 4,839,404, Cl. 524-69.00
Chang, Kuo Y.; Kohatsu, Iwao; and Garrou, Philip E., 4,806,65 Cl. 549-368.000.
Chau, C. C.; Im, Jang-hi; Raspor, Otto C.; and Tung, Lu R 4,873,037, Cl. 264-49.000.
Chau, C. C.; and Im, Jang-hi, 4,874,568, Cl. 264-49.000.
Chau, Chieh-Chun; and Wessling, Ritchie A., 4,868,222, C 521-61.000.
Cheek, Gary C.; and Rice, Andy, 4,802,610, Cl. 222-481.50
Chen, Augustin T.; and Onder, Kemal, 4,806,589, Cl. 524-539.0
Chen, Augustin T., 4,868,277, Cl. 528-272.000.
Chen, Bibiana S. Y.; and Henton, David E., 4,886,856, C 525-73.000.
Chen, Lao-Jer; and Lowenkron, Steven B., 4,876,380, C 560-352.000.
Chiao, Cherry C., 4,828,585, Cl. 55-16.000.
Christensen, Able B., Jr., 4,823,602, Cl. 73-661.000.
Chung, Chan I., 4,843,117, Cl. 524-173.000.
Cipriano, Robert A.; Snelgrove, R. Vernon; and McCulloug Francis P., Jr., 4,877,695, Cl. 429-102.000.
Cisar, Alan J.; and Henslee, Walter W., 4,834,798, Cl. 106-14.2
Clark, Howard W.; and Chapman, Tracy E., 4,840,676, C 106-462.000.
Cowley, Terry W.; Faulk, Allen R., Jr.; and Knode, Charle R 4,828,798, Cl. 422-62.000.
Crabb, Clarence R., 4,822,421, Cl. 106-89.000.
Croft, Alan P., 4,795,816, Cl. 548-228.000.
Crump, Druce K.; Cooper, Lance A.; and Hopkins, Thomas K 4,799,995, Cl. 162-76.000.
Cunningham, William C.; Ramsey, Randy A.; and Autenri Randal E., 4,816,503, Cl. 523-521.000.
Cutie, Sergio S.; Langhorst, Martin A.; and Wood, Stewart J 4,854,700, Cl. 356-72.000.
Daigle, Emanuel L., 4,806,315, Cl. 422-89.000.
Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessli Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pick man, Dale M., 4,797,187, Cl. 204-180.200.
Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessli Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pick man, Dale M., 4,839,203, Cl. 427-244.000.
Dennis, Kent S., 4,839,430, Cl. 525-280.000.
Dennis, Kent S., 4,847,318, Cl. 524-516.000.
Dennis, Kent S., 4,885,343, Cl. 525-280.000.
Dennis, Nicholas; and Burrell, Donald C., 4,857,102, Cl. 71-94.0
DeVellis, Robert; Schroeder, Lawrence R.; Paalman, H. Hu Tong, Curtis M.; Caskey, Terrence L.; and Martin, Charles K 4,846,977, Cl. 210-640.000.
Diesen, Ronald W., 4,814,527, Cl. 570-243.000.
Dorman, Linneaus C.; and Meyers, Paul A., 4,842,60 C 623-16.000.
Dudley, Carol A., 4,837,075, Cl. 428-220.000.
Dunbar, Joseph E., 4,830,663, Cl. 71-92.000.
Durvasula, Visweswara R.; and Stuber, Fred A., 4,847,418, C 564-443.000.
Eisman, Glenn A.; and Alexander, Lloyd E., 4,802,96 C 204-98.000.

Elsen, Jeffrey M.; Debney, Martin F.; and Kling, Thomas J., 4,869,950, Cl. 428-198.000.
Erickson, Laurence R.; Behr, R. Douglas; and Vrooman, Roger D., 4,837,849, Cl. 383-104.000.
Esquivel H., J. Benjamin, 4,836,673, Cl. 356-300.000.
Esquivel H., J. Benjamin, 4,886,965, Cl. 250-252.10A.
Evani, Syamalarao, 4,814,096, Cl. 252-8.554.
Ezzell, Bobby R.; Carl, William P.; and Mod, William A., 4,804,727, Cl. 526-247.000.
Ezzell, Bobby R.; Carl, William P., and Mod, William A., 4,834,922, Cl. 260-543.00F.
Farah, Hani; Chou, Chai J.; and Roden, Don R., Jr., 4,859,738, Cl. 525-67.000.
Farquharson, Richard A.; and Mitchell, Edwina B., 4,888,174, Cl. 424-405.000.
Fawcett, Timothy G.; Harris, William C., Jr.; Newman, Robert A.; Whiting, Lawrence F.; and Knoll, Frank J., 4,821,303, Cl. 378-80.000.
Fellmann, Jere D.; and Langer, Horst G., 4,845,069, Cl. 502-208.000.
Fibiger, Richard F.; Colucci, Michael J.; Forgach, David J.; Wessling, Ritchie A.; and Schmidt, Donald L., 4,828,700, Cl. 210-500.320.
Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., 4,859,384, Cl. 264-45.100.
Fischer, Gordon C., 4,801,662, Cl. 525-504.000.
Fischer, Gordon C.; and McKinney, Linda M., 4,847,348, Cl. 528-117.000.
Flores, David P.; and Alei, Philip E., 4,888,249, Cl. 428-476.100.
Fuentes, Ricardo, Jr.; Meiske, Larry A.; and Marchand, Gary R., 4,873,300, Cl. 526-142.000.
Gardner, Gary L., Sr., 4,846,951, Cl. 204-256.000.
Gardner, Gary L., Sr.; Pimlott, John R.; Dang, Hiep D.; and Hicks, Roy L., 4,846,952, Cl. 204-279.000.
Gatling, Sterling C.; and Krumel, Karl L., 4,814,448, Cl. 546-25.000.
Gatling, Sterling C., 4,814,451, Cl. 546-25.000.
Geus, John W.; and Linowski, John W., 4,855,091, Cl. 264-22.000.
Ginn, Peter L., 4,802,115, Cl. 364-900.000.
Goralski, Christian T.; Singaram, Bakthan; and Brown, Herbert C., 4,886,924, Cl. 585-318.000.
Gould, Gordon E.; and Luecke, Robert A., 4,842,791, Cl. 264-171.000.
Grant, Charles B., 4,874,886, Cl. 560-70.000.
Gregory, Thomas D., 4,801,363, Cl. 204-58.500.
Gregory, Thomas D., 4,808,282, Cl. 204-58.500.
Grierson, Jeffrey G.; Wilson, David A.; and Crump, Druce K., 4,872,996, Cl. 210-700.000.
Grinstead, Robert R., 4,808,385, Cl. 423-226.000.
Grinstead, Robert R., 4,859,437, Cl. 423-226.000.
Guilhem, Michel, 4,806,244, Cl. 210-638.000.
Haberle, Norman; Reutter, Anneliese; and Kinzel, Peter, 4,847,285, Cl. 514-425.000.
Hahn, Stephen F.; and Kreil, Dennis J., 4,831,172, Cl. 556-419.000.
Haigh, Daniel H., 4,806,469, Cl. 435-19.000.
Hall, Mark J.; Powers, Joseph R.; and Wood, William A., 4,877,821, Cl. 523-351.000.
Ham, George E.; Spradling, Robert D.; and McIntyre, John M., 4,824,533, Cl. 204-73.00R.
Hansen, Robert D.; and Klimpel, Richard R., 4,808,301, Cl. 209-167.000.
Hansen, Robert D.; and Klimpel, Richard R., 4,820,406, Cl. 209-166.000.
Harley, A. Dale; Duquette, Lawrence G.; Khoury, Issam A.; and Kohatsu, Iwao, 4,816,072, Cl. 106-287.180.
Harley, A. Dale, 4,816,609, Cl. 570-226.000.
Harris, L. Scott; and Oriel, Patrick J., 4,806,636, Cl. 536-123.000.
Harris, Robert F., 4,795,810, Cl. 528-370.000.
Harris, Robert F., 4,816,529, Cl. 525-453.000.
Harris, Robert F., 4,861,909, Cl. 558-267.000.
Harris, Robert F., 4,870,127, Cl. 524-537.000.
Harris, Robert F., 4,879,357, Cl. 525-462.000.
Harris, William J., 4,847,350, Cl. 528-179.000.
Hazlitt, Lonnie G.; and Moldovan, Daniel G., 4,798,081, Cl. 73-53.000.
Hefner, Robert E., Jr., 4,798,908, Cl. 564-153.000.
Hefner, Robert E., Jr.; and Wykowski, Paul L., 4,816,546, Cl. 525-483.000.
Hefner, Robert E., Jr., 4,820,797, Cl. 528-322.000.
Hefner, Robert E., Jr., 4,820,798, Cl. 528-322.000.
Hefner, Robert E., Jr.; and Wykowski, Paul L., 4,829,133, Cl. 525-481.000.
Hefner, Robert E., Jr.; and Haynes, Deborah I., 4,835,228, Cl. 525-524.000.
Hefner, Robert E., Jr., 4,847,337, Cl. 525-531.000.
Hefner, Robert E., Jr., 4,847,402, Cl. 558-389.000.
Hefner, Robert E., Jr.; and Robinson, John W., 4,851,483, Cl. 525-502.000.
Hefner, Robert E., Jr.; Robinson, John W.; and Earls, Jimmy D., 4,883,844, Cl. 525-472.000.
Heikel, Henrik R., 4,863,711, Cl. 423-610.000.
Heistand, Robert H., II, 4,808,398, Cl. 423-622.000.
Heistand, Robert H., II; and Duquette, Lawrence G., 4,880,758, Cl. 423-21.100.
Heiberg, Gunnar I., 4,825,942, Cl. 165-158.000.
Helbling, Alois, 4,857,566, Cl. 323-409.000.
Henley, John P.; Pearson, Stanley R.; Peters, Bruce C.; and LaFitte, Larry L., 4,872,886, Cl. 48-197.00R.
Henslee, Walter W.; and Witkowski, Thomas S., 4,880,757, Cl. 501-104.000.
Henton, David E., 4,801,646, Cl. 525-71.000.
Henton, David E., 4,831,116, Cl. 528-492.000.
Henton, David E., 4,879,348, Cl. 525-305.000.
Ho, Thoi; and Kao, Che-I, 4,880,897, Cl. 528-199.000.
Hoffman, Dwight K.; Harris, Robert F.; and Hickner, Richard A., 4,798,877, Cl. 525-531.000.
Huey, Andrew M.; and Shirley, Arthur R., Jr., 4,813,982, Cl. 55-80.000.
Inbasekaran, Muthiah N.; and Strom, Robert M., 4,806,688, Cl. 564-443.000.
Inbasekaran, Muthiah N.; and Morgan, Ted A., 4,870,213, Cl. 568-645.000.
Inbasekaran, Muthiah N.; and Dirlikov, Stoil K., 4,885,403, Cl. 568-631.000.
Irving, Nicholas M., 4,795,729, Cl. 502-169.000.
Jackson, Herbert C., Jr.; DeVries, Robert A.; and Frick, Hughie R., 4,830,846, Cl. 423-488.000.
Jackson, Lucinda A.; and Malhotra, Sudarshan K., 4,888,041, Cl. 71-88.000.
Jeanes, Thomas O., 4,851,014, Cl. 55-16.000.
Jeanes, Thomas O., 4,874,401, Cl. 55-16.000.
Jeffrey, Gaines C., 4,816,238, Cl. 423-226.000.
Jeffrey, Gaines C., 4,871,468, Cl. 252-190.000.
Jezic, Zdravko; and Young, Gene P., 4,839,228, Cl. 428-401.000.
Johnson, Mark R., 4,861,927, Cl. 570-200.000.
Johnston, Howard; and Troxell, Lillian H., 4,851,539, Cl. 546-345.000.
Kaplan, Donald A.; and Goeckeler, William F., 4,853,209, Cl. 424-1.100.
Karbowski, Robert J.; Erickson, Anita S.; Gartner, Charles D.; and Roy, Kathleen A., 4,800,082, Cl. 424-409.000.
Kelly, Jessie, 4,849,523, Cl. 546-345.000.
Kent, Van A.; Behr, William R.; and Kirby, Larry H., 4,830,838, Cl. 423-226.000.
Kent, Van A.; Kirby, Larry H.; and Behr, William R., 4,834,959, Cl. 423-242.000.
Kershner, Larry D.; Reineke, Charles E.; Sarkar, Nitis; and Wilson, Larry R., 4,824,916, Cl. 525-420.000.
Kershner, Larry D., 4,849,242, Cl. 426-601.000.
Keskey, William H.; and Schuetz, James E., 4,816,518, Cl. 525-204.000.
Keskey, William H.; and Meath, Kenneth R., 4,861,822, Cl. 524-559.000.
Killat, George R.; and Tomalia, Donald A., 4,871,779, Cl. 521-28.000.
King, Stanley S. T., 4,814,537, Cl. 585-428.000.
Kirchhoff, Robert A., 4,826,997, Cl. 548-546.000.
Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.
Kleschick, William A., 4,822,404, Cl. 71-92.000.
Kleschick, William A.; Secor, Jacob; and Holmsen, Theodore W., 4,874,421, Cl. 71-9.00H.
Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,886,883, Cl. 544-263.000.
Klimpel, Richard R.; and Hansen, Robert D., 4,797,202, Cl. 209-166.000.
Klimpel, Richard R.; and Hansen, Robert D., 4,822,483, Cl. 209-167.000.
Klimpel, Richard R.; Hansen, Robert D.; and Fazio, Michael J., 4,826,588, Cl. 209-167.000.
Klimpel, Richard R.; and Hansen, Robert D., 4,830,740, Cl. 209-167.000.
Klipa, Dennis K.; and Dewald, James R., 4,886,922, Cl. 570-193.000.
Knobel, Thomas M.; Walker, Mary K.; and Maschmeyer, Donald M., 4,806,571, Cl. 521-107.000.
Knobel, Thomas M.; and Walker, Mary A., 4,814,358, Cl. 521-123.000.
Knobel, Thomas M.; and Walker, Mary A., 4,826,883, Cl. 521-123.000.
Knobel, Thomas M.; and Walker, Mary A., 4,863,975, Cl. 521-123.000.
Koenig, Raymond A.; and Haertel, Gunter H., 4,795,791, Cl. 525-523.000.
Kosters, Peter H., 4,889,182, Cl. 165-134.100.
Kozuma, Jiro; Hamaguchi, Hirohiko; Shibahara, Tetsuya; and Strasser, Joseph P., 4,810,793, Cl. 514-89.000.
Krupp, Stephen P.; Knickerbocker, Edward N.; and Bieser, John O., 4,842,922, Cl. 428-198.000.
Kwon, O'Dae; and Sole, Jitka, 4,824,587, Cl. 252-62.550.
Lancaster, Gerald M.; and Edmondson, Morris S., 4,795,665, Cl. 428-34.200.
Lancaster, Gerald M.; Kelley, David C.; Cramm, Russell H.; and Neywick, Charles V., 4,847,155, Cl. 428-421.000.
Langhorst, Marsha I., 4,818,264, Cl. 65-4.300.
Larson, Paul A.; Aldrich, Dale J.; and Berman, Jody R., 4,874,669, Cl. 428-416.000.
Laughner, Michael K.; and Ogoe, Samuel A., 4,837,258, Cl. 524-168.000.

Laursen, Larry J.; Coomer, Virgil W.; and Schrenk, Walter J., 4,806,289, Cl. 264-1.500.
Laursen, Larry J.; Coomer, Virgil W.; and Schrenk, Walter J., 4,871,487, Cl. 264-1.500.
Leadbetter, Arthur N.; and Galloway, James G., 4,812,496, Cl. 524-47.000.
Leggett, David J.; and Courtwright, Joel G., 4,846,978, Cl. 210-748.000.
Lewis, Gregg E.; Smith, Allen R.; and Sherrod, Fred A., 4,804,799, Cl. 585-444.000.
Lewis, John W., 4,798,508, Cl. 414-412.000.
Lim, Timothy, 4,820,429, Cl. 252-8.554.
Lipp, Charles W., 4,857,075, Cl. 48-86.00R.
Little, John C.; and Wilson, Charles A., 4,822,887, Cl. 546-345.000.
Liu, Ming-Biann, 4,822,930, Cl. 570-206.000.
Liu, Ming-Biann, 4,849,548, Cl. 568-764.000.
Long, Ray S., 4,873,014, Cl. 252-148.000.
Luecke, Robert A.; Gould, Gordon E.; and Curtin, Paul M., 4,804,510, Cl. 264-169.000.
Lysenko, Zenon, 4,835,306, Cl. 562-453.000.
Malone, Bruce A., 4,824,720, Cl. 428-294.000.
Markley, Lowell D.; and Zorner, Paul S., 4,824,475, Cl. 71-93.000.
Martinez, Eloy C., 4,871,789, Cl. 523-220.000.
Martinez, Robert G.; Treybig, Duane S.; and Glass, Terry W., 4,837,323, Cl. 544-242.000.
Marugg, J. E.; Gansow, Michael A. P.; and Thoen, J. A., 4,883,826, Cl. 521-164.000.
Massingill, John L., Jr.; and Pabon, Raul A., Jr., 4,820,784, Cl. 525-481.000.
Massingill, John L., Jr.; and Pabon, Raul A., Jr., 4,835,225, Cl. 525-481.000.
Maurer, Brian R.; and Galobardes, Mercedes, 4,822,936, Cl. 585-259.000.
McCullough, Frances P., Jr.; Levine, Charles A.; and Snelgrove, Roy V., 4,830,938, Cl. 429-149.000.
McCullough, Francis P., Jr.; and Hall, David M., 4,837,076, Cl. 428-224.000.
McCullough, Francis P., Jr.; Snelgrove, R. Vernon; Lane, Eckel R.; and Hall, David M., 4,844,974, Cl. 428-288.000.
McCullough, Francis P., Jr.; Snelgrove, R. Vernon; and Goswami, Bhuvenesh C., 4,857,394, Cl. 428-303.000.
McCullough, Francis P., Jr.; and Novak, Leo J., 4,857,404, Cl. 428-367.000.
McCullough, Francis P., Jr.; and Beale, Alvin F., Jr., 4,865,931, Cl. 429-194.000.
McCullough, Francis P., Jr.; and Snelgrove, R. Vernon, 4,868,037, Cl. 428-222.000.
McCullough, Francis P., Jr.; Dick, Clarence R.; and Brewster, Steven L., 4,868,038, Cl. 428-222.000.
McCullough, Francis P., Jr.; and Hall, David M., 4,869,951, Cl. 428-229.000.
McCullough, Francis P., Jr.; Lane, Eckel R.; Goswami, Bhuvenesh C.; and Hall, David M., 4,869,962, Cl. 428-408.000.
McCullough, Francis P., Jr.; Hale, Frank W.; Snelgrove, R. Vernon; and Hall, David M., 4,879,168, Cl. 428-224.000.
McCullough, Francis P., Jr.; Cipriano, Robert A.; and Snelgrove, R. Vernon, 4,886,715, Cl. 429-103.000.
McGraw, Philip W.; and Ward, Eldon L., 4,851,144, Cl. 252-52.00A.
McIntyre, John M.; Smith, Bruce R.; and Birdwell, Jeffrey D., 4,824,508, Cl. 156-276.000.
McIntyre, John M.; Birdwell, Jeffrey D.; and Smith, Bruce R., 4,826,554, Cl. 156-280.000.
McIntyre, John M.; Hickner, Richard A.; and Rao, Nancy A., 4,829,104, Cl. 523-403.000.
McIntyre, John M.; and Smith, Bruce R., 4,832,937, Cl. 423-573.100.
McIntyre, John M., 4,834,847, Cl. 204-81.000.
McIntyre, John M., 4,867,854, Cl. 204-181.700.
McIntyre, John M.; Anderson, Kenneth W.; Rao, Nancy A.; and Hickner, Richard A., 4,872,961, Cl. 204-181.700.
McLachlan, Richard D.; and Chrisman, Ray W., 4,829,186, Cl. 250-373.000.
McLaren, John W.; Zawisza, Jeffery D.; and Rupprecht, Walter E. F., 4,850,636, Cl. 296-146.000.
McMichael, James W.; and Door, Robert D., 4,889,577, Cl. 156-281.000.
McNally, Robert G.; and Klumpp, Thomas F., 4,808,319, Cl. 210-741.000.
Meister, Bernard J.; Dryzga, Craig D.; and Tien, Li C., 4,876,312, Cl. 525-263.000.
Melcher, Richard G., 4,819,478, Cl. 73-61.10C.
Meyer, Louis W.; Vanderhider, James A.; and Carswell, Robert, 4,876,019, Cl. 252-32.500.
Meyer, Wilfred C., 4,846,889, Cl. 106-115.000.
Meyers, Paul A.; and Dorman, Linneaus C., 4,818,536, Cl. 424-409.000.
Meyers, Paul A.; and Dorman, Linneaus C., 4,828,835, Cl. 424-409.000.
Michael, Herbert K., 4,814,456, Cl. 546-286.000.
Miller, Theodore E., Jr.; and Saunders, Frank L., 4,813,280, Cl. 73-861.950.
Molzahn, David C., 4,839,460, Cl. 528-230.000.
Monzon, Medardo; Lock, Michele R.; and Galloway, James G., 4,806,207, Cl. 162-168.100.
Moore, Eugene R.; and Tong, Wen H., 4,822,856, Cl. 525-197.000.
Moore, Eugene R., 4,857,631, Cl. 528-481.000.
Moore, Eugene R.; Dalke, Brian D.; Malanga, Michael T.; an Poindexter, Gary M., 4,883,846, Cl. 526-73.000.
Morgan, Ted A., 4,806,673, Cl. 558-332.000.
Morgan, Ted A., 4,810,814, Cl. 558-335.000.
Morris, Gregory J. E., 4,886,586, Cl. 204-128.000.
Morris, Thomas E.; Spencer, Rae L.; and Gimber, Gerald A 4,827,060, Cl. 570-250.000.
Mulcihy, Thomas W., Jr., 4,800,914, Cl. 137-247.450.
Mullins, Michael J., 4,843,180, Cl. 568-689.000.
Mullins, Michael J., 4,870,203, Cl. 560-158.000.
Mullins, Michael J.; Crain, Steven P.; Woo, Edmund P.; and Murray, Daniel J., 4,880,884, Cl. 525-469.000.
Murphy, Frank H., 4,804,764, Cl. 546-345.000.
Murphy, Frank H.; and Oleksy, Matt W., 4,865,831, C 423-463.000.
Nakamura, Masao; and Tonokawa, Hiroshi, 4,878,520, C 138-149.000.
Nankee, Robert J.; and Randolph, E. Richard, 4,809,761, C 164-5.000.
Neill, Paul L.; Lancaster, Gerald M.; and Bryce, Kenneth L 4,847,164, Cl. 428-500.000.
Nelson, Donald L.; and Waszeciak, Douglas P., 4,863,994, C 524-874.000.
Nelson, Donald L.; Waszeciak, Douglas P.; and Hillshafer, Dougla K., 4,868,223, Cl. 521-122.000.
Newhouse, Geoffrey S., 4,855,198, Cl. 430-12.000.
Newman, Thomas H.; Henton, David E.; and Evans, Silvia A 4,880,554, Cl. 525-67.000.
Nichols, Jerram B.; Herrington, Ronald M.; Hunter, Douglas L Serratelli, John F.; and Carey, David G., 4,863,976, C 521-137.000.
Noding, Stephen A.; Siegel, Sanford A.; and Pennington, Donal W., 4,804,582, Cl. 428-332.000.
Noding, Stephen A., 4,871,430, Cl. 204-72.000.
Ogoe, Samuel A.; and Ho, Thoi H., 4,826,900, Cl. 524-126.000
Ortiz, Patricia A.; Reynolds, Stanley J., Jr.; and Moss, Daniel E 4,864,877, Cl. 73-863.520.
Oswald, Thomas; and Robson, Ian A., 4,860,828, Cl. 166-274.00
Otterbacher, Eric W., 4,843,160, Cl. 544-398.000.
Parker, Theodore L.; and Collins, G. Robert, 4,836,646, C 350-96.340.
Parker, Theodore L.; Pedersen, David R.; and Pierini, Peter E 4,867,531, Cl. 350-96.340.
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Pawloski, Chester E.; Wampfler, David J.; and Fielding, Donna J 4,851,559, Cl. 558-91.000.
Pawloski, Chester E.; and Ginter, Sally P., 4,864,049, C 558-188.000.
Pawloski, Chester E., 4,885,381, Cl. 558-155.000.
Pearce, Roscoe L.; and Wolcott, Richard A., 4,808,765, C 585-860.000.
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Pearson, Stanley R.; Merrick, Douglas D.; White, William P.; an Lipp, Charles W., 4,857,076, Cl. 48-86.00R.
Peters, Thomas L.; and Stevens, Timothy S., 4,834,877, C 210-198.100.
Pews, R. Garth, 4,851,594, Cl. 570-128.000.
Pham, Ha Q.; and Ho, Loan A., 4,808,692, Cl. 528-89.000.
Pham, Tu-Anh; and Lancaster, Gerald M., 4,853,420, C 521-50.500.
Pham, Tu-Anh; and Lancaster, Gerald M., 4,885,315, C 521-50.500.
Phung, K. Van, 4,831,153, Cl. 548-231.000.
Pierini, Peter E.; McCormack, Thomas M.; and Pedersen, Dav R., 4,844,578, Cl. 350-96.340.
Pope, Brian G.; and Najvar, Daniel J., 4,857,203, Cl. 210-681.00
Poteet, William C., 4,853,280, Cl. 428-286.000.
Priddy, Duane B., 4,806,599, Cl. 525-146.000.
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Priddy, Duane B.; and Letton, Alan, 4,812,530, Cl. 525-409.00
Priddy, Duane B.; and Pirc, Michael, 4,859,748, Cl. 526-88.00
Priester, Ralph D., Jr.; Peffley, Richard D.; and Herrington, Ronald M., 4,845,133, Cl. 521-167.000.
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Quarderer, George J.; Stevens, Rex R.; Cochran, Gene A.; an Murchison, Craig B., 4,825,013, Cl. 568-902.200.
Quarderer, George J.; Stone, Fred C.; Beitz, Mark J.; and O'Donnell, Patrick M., 4,851,603, Cl. 585-410.000.
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Rao, Nancy A.; and Hickner, Richard A., 4,883,572, Cl. 204-181.00F.
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Rogers, Richard B.; and Gerwick, B. Clifford, III, 4,808,750, Cl. 560-062.000.
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Rose, Gene D.; and Teot, Arthur S., 4,806,256, Cl. 252-71.000.
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Sawyer, Lawrence H.; and Knight, George W., 4,880,691, Cl. 428-225.000.
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Schrock, Alan K., 4,812,588, Cl. 556-453.000.
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Thill, Bruce P., 4,883,836, Cl. 525-66.000.
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Sasaki, Gordon H., 4,840,190, Cl. 128-897.000.
Sasaki, Gordon H.; Jakubczak, Eugene R.; and Gauger, John R. 4,841,992, Cl. 128-899.000.
Dow, Douglas; and Flanagan, Patricia J. Chocolate syrup and meth of making same. 4,880,655, 11-14-89, Cl. 426-593.000.
Dow, John M. Method and apparatus for constructing seawalls a docks. 4,869,620, 9-26-89, Cl. 405-206.000.
Dow, Julian; and Meyers, Paul F., to Capistrano Labs, Inc. Ultraso prostate probe assembly. 4,841,979, 6-27-89, Cl. 128-660.100.
Dow Nederland B.V.: *See—*
Torfs, Jan C. M.; Laarhoven, Johannes P. M.; and Van He Christiaan F. J., 4,801,429, Cl. 422-63.000.
Dow, Norris F., to Materials Sciences Corporation. Composite lamin with enhanced through-the-thickness properties. 4,837,065, 6-6 Cl. 428-86.000.
Dow, Paul W., to Byron Enterprises, Inc. Corn ear cutter machi 4,845,930, 7-11-89, Cl. 56-113.000.
Dow, Robert L.; and Proctor, Paul W., to United States of Americ Navy. Means for protecting electroexplosive devices which a subject to a wide variety of radio frequency. 4,848,233, 7-18-89, C 102-202.200.
Dowa Co., Ltd.: *See—*
Miyahara, Kingo, 4,813,865, Cl. 431-168.000.
Miyahara, Kingo, 4,828,975, Cl. 431-168.000.
Dowa Mining Co., Ltd.: *See—*
Kanahara, Naoyuki; Furo, Masahiro; and Furihata, Tetsu 4,811,893, Cl. 228-198.000.
Sugawara, Akira; and Kanahara, Naoyuki, 4,871,299, Cl. 11.50C.

Dowbenko, Rostyslaw: *See—*
Das, Suryya K.; Dowbenko, Rostyslaw; and Porter, Samuel, 4,801,653, Cl. 525-286.000.
DowBrands Inc.: *See—*
Erickson, Laurence R., 4,885,352, Cl. 526-348.100.
Dowd, Edward J.; and Crowe, Thomas J., to Ari Technologies, Inc. Packing support grid. 4,865,819, 9-12-89, Cl. 422-211.000.
Dowd, Edward J., to ARI Technologies, Inc. Catalyst composition and method. 4,885,268, 12-5-89, Cl. 502-163.000.
Dowd, Eugene G. Leg seat track fitting with improved bearing member. 4,796,837, 1-10-89, Cl. 244-122.00R.
Dowd, James D.; Hilborn, David M.; Weilant, Roy; and Lawassani, Abdolhossein R., to United Technologies Automotive, Inc. Front lamp module and sunshade supports for modular headliner. 4,844,533, 7-4-89, Cl. 296-214.000.
Dowd, James J., to Siemens Medical Systems, Inc. Cathode cup improvement. 4,868,842, 9-19-89, Cl. 378-138.000.
Dowding, Robert: *See—*
Scholz, Max; Batchelder, Scott; and Dowding, Robert, 4,827,863, Cl. 114-301.000.
Dowdle, Paul A. Slipform apparatus for emplacing horizontal arcuate re-inforcing rods. 4,799,872, 1-24-89, Cl. 425-63.000.
Dowe, David R.; and Ruben, Paul L., to Eastman Kodak Company. Photographic flash device. 4,821,053, 4-11-89, Cl. 354-149.100.
Dowe, David R., to Eastman Kodak Company. Electromagnetic shutter apparatus. 4,881,093, 11-14-89, Cl. 354-234.100.
Dowell Australia Limited: *See—*
Sassella, Christopher D., 4,876,864, Cl. 70-89.000.
Sassella, Christopher D.; Whitney, John R.; and McGeehan, Harold K., 4,877,227, Cl. 269-43.000.
Dowell, James S.: *See—*
Hinds, Robert B.; Hutchinson, Charles B., Jr.; and Dowell, James S., 4,877,386, Cl. 425-110.000.
Dowell Schlumberger Incorporated: *See—*
Brannon, Harold D.; Hodge, Richard M.; and England, Kevin W., 4,801,389, Cl. 252-8.551.
Cameron, Donald C.; and Hoover, Mat, 4,797,003, Cl. 366-101.000.
Constien, Vernon G.; and Brannon, Harold D., 4,828,034, Cl. 166-308.000.
Copeland, Claude T.; and Gurley, Derrel G., 4,850,430, Cl. 166-276.000.
Frison, Willis C., 4,828,033, Cl. 166-307.000.
Hodge, Richard M., 4,797,216, Cl. 252-8.551.
Hodge, Richard M., 4,861,500, Cl. 252-8.551.
Hoy, Edgar F., 4,861,386, Cl. 134-27.000.
Hudson, Tommy E.; and Martin, James W., 4,796,701, Cl. 166-278.000.
Larson, David B.; and Nelson, Erik B., 4,802,534, Cl. 166-381.000.
McConnell, Stanley B., 4,822,494, Cl. 210-721.000.
McIntire, William R.; and Ritter, James C., 4,808,004, Cl. 366-155.000.
Oberste-Padtberg, Rudiger; Perthuis, Herve; Parcevaux, Philippe; and Peulet, Sylvie, 4,838,352, Cl. 166-291.000.
Parker, Alan; and Davidson, Colin, 4,889,563, Cl. 106-287.170.
Prouvost, Laurent; and Economides, Michael J., 4,862,962, Cl. 166-250.000.
Scranton, Joseph D., 4,862,957, Cl. 166-51.000.
Sherwood, Ronald, 4,834,542, Cl. 366-21.000.
Smith, D. W.; Kennedy, R. D.; and Garcia, E. C., 4,838,701, Cl. 366-136.000.
Spangle, Lloyd B., 4,797,159, Cl. 106-89.000.
Vercaemer, Claude; Lemanczyk, R.; and Piot, Bernard, 4,842,068, Cl. 166-269.000.
Dowell Schlumberger Incorported: *See—*
Thiercelin, Marc; and Roegiers, Jean C., 4,821,577, Cl. 73-799.000.
Dower, Gordon E. Method and apparatus for sensing and analyzing electrical activity of the human heart. 4,850,370, 7-25-89, Cl. 128-699.000.
Dower, Roger G.; Penner, Dale C.; and Hannebauer, Robert S. Electro-optical displacement sensor. 4,845,496, 7-4-89, Cl. 341-13.000.
Dower, Steven K.: *See—*
Urdal, David L.; March, Carl J.; and Dower, Steven K., 4,845,198, Cl. 530-387.000.
Dowing, Richard; Paull, Jolanta; and Vince, David, to ICI Australia Operations Proprietary Ltd. Primer. 4,879,952, 11-14-89, Cl. 102-331.000.
Dowle, Michael D.; and Coates, Ian H., to Glaxo Group Limited. Heterocyclic compounds. 4,816,470, 3-28-89, Cl. 514-415.000.
Dowle, Michael D.; Evans, Brian; and Clark, Peter, to Glaxo Group Limited. Indole derivatives. 4,833,153, 5-23-89, Cl. 514-415.000.
Dowle, Michael D.: *See—*
Bays, David E.; Webb, Colin F.; and Dowle, Michael D., 4,839,377, Cl. 514-415.000.
Butina, Darko; Dowle, Michael D.; Bays, David E.; and Webb, Colin F., 4,876,267, Cl. 514-415.000.
Oxford, Alexander W.; and Dowle, Michael D., 4,795,756, Cl. 514-415.000.
Oxford, Alexander W.; Coates, Ian H.; Bays, David E.; Webb, Colin F.; Dowle, Michael D.; Mills, Keith; and Eldred, Colin D., 4,855,314, Cl. 514-415.000.
Dowler, David H.; and St. John, Richard K., to GTE Products Corporation. Telephone interface security device. 4,825,466, 4-25-89, Cl. 379-445.000.
Dowler, David H.: *See—*
Jacoby, Elliot G., Jr.; D'Aleo, Michael J.; Luchaco, David G.; Spira, Joel S.; Wagner, Richard A.; Yuhasz, Stephen J.; and Dowler, David H., 4,803,380, Cl. 307-157.000.
Dowler, James: *See—*
Metz, George D.; McCrary, Carl; O'Connor, Joseph G.; Adair, Paul C.; Proehl, D. Scott; Saccocio, Edward J.; and Dowler, James, 4,859,561, Cl. 430-138.000.
Dowler, James A.: *See—*
Ruder, Donna L.; Feldman, Lyudmila; and Dowler, James A., 4,873,168, Cl. 430-138.000.
Dowling, Arthur J. Coupling apparatus. 4,832,556, 5-23-89, Cl. 411-406.000.
Dowling, Charles; and Raymond, Roger S., to Rockwell International Corporation. Method of eliminating core distortion in diffusion bonded and superplastically formed structures. 4,811,890, 3-14-89, Cl. 228-157.000.
Dowling, Donald J.; and Sims, Jackie C., to Texaco Inc. Steam quality monitoring means and method. 4,832,503, 5-23-89, Cl. 374-42.000.
Dowling, Donald J.; and Sims, Jackie C., to Texaco Inc. Radiant energy absorption steam quality monitoring means and method. 4,862,001, 8-29-89, Cl. 250-345.000.
Dowling, Donald J.: *See—*
Sims, Jackie C.; Dowling, Donald J.; and Simpson, Richard S., 4,849,687, Cl. 324-61.00R.
Sims, Jackie C.; Dowling, Donald J.; and Nussbaum, Theodore W., 4,854,725, Cl. 374-42.000.
Dowling, Edward H., to Eastman Kodak Company. Method and molding screw for injection molding. 4,802,140, 1-31-89, Cl. 366-79.000.
Down, Raymond L., to Fluid Technology (Aust) Limited. Fluid injection system. 4,887,640, 12-19-89, Cl. 137-564.500.
Down River International Inc.: *See—*
Boyse, George C., 4,865,889, Cl. 428-12.000.
Downey, Ernest L. Replacement disc. 4,874,389, 10-17-89, Cl. 623-17.000.
Downey, Joel F., to Delco Electronics Corporation. Logic circuits utilizing a composite junction transistor-MOSFET device. 4,829,200, 5-9-89, Cl. 307-446.000.
Downey, John F., Jr., to Polaroid Corporation. Stabilized light-polarizing material. 4,818,624, 4-4-89, Cl. 428-447.000.
Downey, John H. Dynamic hair grooming appliance. 4,877,042, 10-31-89, Cl. 132-212.000.
Downey, John M. Syringe for withdrawing blood. 4,813,433, 3-21-89, Cl. 128-765.000.
Downey, Max. Method and apparatus for measuring curvature of the cornea. 4,861,155, 8-29-89, Cl. 351-212.000.
Downey, Raymond E., to Goodyear Tire & Rubber Company, The. Shaped skin for decorative parts. 4,816,315, 3-28-89, Cl. 428-151.000.
Downey, Rogers B., to Polaroid Corporation. Bi-directional self-resetting force transmitting overload arm. 4,805,753, 2-21-89, Cl. 192-150.000.
Downey, Rogers B., to Polaroid Corporation. Magnetic disk cassette having internal biasing ribs. 4,843,511, 6-27-89, Cl. 360-133.000.
Downey, William L.: *See—*
Lasier, Thomas R.; and Downey, William L., 4,835,905, Cl. 49-14.000.
Downham, Roy E.: *See—*
Stibbe, Paul H.; Downham, Roy E.; and Daane, Robert A., 4,833,794, Cl. 34-156.000.
Downing, Charles. Router bracket. 4,878,644, 11-7-89, Cl. 248-674.000.
Downing, David G., to P.O.P Inc. Illuminated sign system. 4,848,016, 7-18-89, Cl. 40-575.000.
Downing, Donald M. Thermal adhesive applicator. 4,887,741, 12-19-89, Cl. 222-146.500.
Downing, Elizabeth A.; and Torres, Bernardo, to FMC Corporation. Three dimensional image generating apparatus having a phosphor chamber. 4,870,485, 9-26-89, Cl. 358-90.000.
Downing, Harvey L.: *See—*
Thompson, David B.; Preskitt, Stanley V.; Downing, Harvey L.; and Allred, Michael V., 4,862,394, Cl. 364-551.010.
Downing, John P., Jr. Optical backscatter turbidimeter sensor. 4,841,157, 6-20-89, Cl. 250-574.000.
Downing, Michael V. Nasopharyngeal airway. 4,821,715, 4-18-89, Cl. 128-207.180.
Downing, Robert E., to Farley, Inc. Coated expendable cores for die casting dies. 4,867,225, 9-19-89, Cl. 164-369.000.
Downing, Sandra L.: *See—*
Allen, Standish K.; Chaiton, Jonathan A.; and Downing, Sandra L., 4,834,024, Cl. 119-4.000.
Downing, Verlon D.; and Dietz, Timothy J., to Huffy Corporation. Quick release wheel retainer. 4,805,941, 2-21-89, Cl. 280-279.000.
Downing, William A. Swivel adapter for a gun holder. 4,823,673, 4-25-89, Cl. 89-37.040.
Downs, Daniel: *See—*
Theuninck, Duane H.; and Downs, Daniel, 4,851,244, Cl. 426-74.000.
Downs, David A.; Moos, Walter H.; Moreland, David W.; and Tecle, Haile, to Warner-Lambert Company. Tetrahydropyridine oxime cholinergic agents and method of treatment. 4,798,841, 1-17-89, Cl. 514-357.000.
Downs, David R.: *See—*
Carlton, Bernard J.; and Downs, David R., 4,821,203, Cl. 364-478.000.
Downs, Hartley H.: *See—*
Durham, Daniel K.; Conkle, Urban C.; and Downs, Hartley H., 4,855,060, Cl. 210-708.000.

- Downs, Henry: *See—*
  - Raab, Anthony R.; and Downs, Henry, 4,814,775, Cl. 342-373.000.
- Downs, James W. Ellipsoidal reflector concentration of energy system. 4,858,090, 8-15-89, Cl. 362-297.000.
- Downs, Kenneth L.: *See—*
  - Abuaf, Nesim; Barito, Robert W.; and Downs, Kenneth L., 4,798,753, Cl. 428-69.000.
- Downs, Margaret C. Birth safety net. 4,823,418, 4-25-89, Cl. 5-503.000.
- Downs, Stephen R.; and Anderson, Charles E., to Yale Security Inc. Electronic door lock key re-sequencing function. 4,870,400, 9-26-89, Cl. 340-825.310.
- Downs, William, to Babcock & Wilcox Company, The. Droplet impingement device. 4,888,158, 12-19-89, Cl. 423-242.000.
- Downs, William: *See—*
  - Daum, Edward D.; Downs, William; Jankura, Bryan J.; and McCoury, John M., Jr., 4,856,352, Cl. 73-863.250.
- Dowrick, John S., to Beecham Group p.l.c. Injectable compositions of amoxycillin trihydrate. 4,876,086, 10-24-89, Cl. 424-80.000.
- Dows Chemical Company, The: *See—*
  - Tazewell, Joseph H.; Christenson, Christopher P.; Turner, Robert B.; and Gonzales, Manuel, Jr., 4,843,138, Cl. 528-52.000.
- Dowty, Alvis E. Vertically adjustable trailer. 4,887,860, 12-19-89, Cl. 296-26.000.
- Dowty Electronic Components Limited: *See—*
  - Anstey, Michael J., 4,872,843, Cl. 439-69.000.
  - Brown, David F.; and Anstey, Michael J., 4,823,233, Cl. 361-383.000.
- Dowty Fuel Systems Limited: *See—*
  - Masterman, John M., 4,806,812, Cl. 310-182.000.
- Dowty Hydraulic Units Limited: *See—*
  - Parker, Dennis W.; and Lakin, David F., 4,796,655, Cl. 137-83.000.
- Dowty Mining Machinery Limited: *See—*
  - Whyte, Jon F. R., 4,859,335, Cl. 210-393.000.
- Dowty Rotol Limited: *See—*
  - Poucher, Michael, 4,822,243, Cl. 416-49.000.
  - Trott, Michael W.; and Turner, Gilbert A., 4,863,347, Cl. 416-46.000.
- Doxey, Tom R.; and Glaser, Burton D. Pneumatic pavement cleaning apparatus. 4,817,235, 4-4-89, Cl. 15-387.000.
- Doxsee, Leigh T.; Evans, Robert E.; and O'Toole, Michael P., to American Cyanamid Company. Acrylic containing friction materials. 4,866,107, 9-12-89, Cl. 523-153.000.
- Doxtech, Inc.: *See—*
  - Ogden, Stanley D.; and Dixon, William C., 4,813,563, Cl. 215-253.000.
  - Ogden, Stanley D.; and Dixon, William C., 4,871,077, Cl. 215-366.000.
- Doy, Ralph J.: *See—*
  - Andrew, Sydney P.; Doy, Ralph J.; and Limbach, Antony P. J., 4,810,472, Cl. 422-197.000.
  - Dobson, Brian; Whyman, Peter J. M.; Doy, Ralph J.; Engel, Manfred O.; and Davies, Raymond, 4,882,444, Cl. 549-534.000.
- Doyama, Toshiaki: *See—*
  - Watanabe, Akio; and Doyama, Toshiaki, 4,831,098, Cl. 528-45.000.
- Doyen, Daniel; and Vriz, Tarcisio, to U.S. Philips Corporation. Ultrahigh-frequency oscillator having a dielectric resonator stable with respect to mechanical vibrations. 4,873,495, 10-10-89, Cl. 331-68.000.
- Doyen, Hans H., to Ing. Alfred Schmidt GmbH. Apparatus for picking up dog excrement. 4,796,327, 1-10-89, Cl. 15-340.300.
- Doyle, Arthur F.: *See—*
  - Sklarski, Dennis J.; and Doyle, Arthur F., 4,803,113, Cl. 428-182.000.
- Doyle, Barry N.: *See—*
  - Weir, Donald R.; Masters, Ian M.; and Doyle, Barry N., 4,832,925, Cl. 423-141.000.
- Doyle, Brian: *See—*
  - Boudou, Alain; and Doyle, Brian, 4,843,442, Cl. 357-23.300.
  - Boudou, Alain; Doyle, Brian; and Marchetaux, Jean-Claude, 4,851,359, Cl. 437-24.000.
- Doyle, Edward F.: *See—*
  - DeSaro, Robert; Doyle, Edward F.; Metcalfe, Christopher I.; and Patch, Keith D., 4,875,919, Cl. 65-27.000.
- Doyle, Edward J., to Conair Corporation. Modular watertight switch for use in personal care appliances. 4,839,483, 6-13-89, Cl. 200-302.100.
- Doyle, Edward J., Jr., to Polaroid Corporation. Image bearing template for instant film packs. 4,816,848, 3-28-89, Cl. 354-108.000.
- Doyle, Edward M.: *See—*
  - MacPhail, Guilford R.; Wheeland, Chris L.; and Doyle, Edward M., 4,814,720, Cl. 330-47.000.
- Doyle, Frank J.: *See—*
  - Van Kanegan, Eugene M.; Doyle, Frank J.; and Fadner, Thomas A., 4,864,925, Cl. 101-141.000.
- Doyle, James; Butcher, David W.; and Clark, John A., to Ciba-Geigy AG. Multicolor holograms using gelatin as the binder and method for producing the same. 4,816,360, 3-28-89, Cl. 430-2.000.
- Doyle, James; Bond, Anthony J.; and Davidson, Fiona E., to Ciba-Geigy AG. Holographic film material. 4,836,628, 6-6-89, Cl. 350-3.610.
- Doyle, James J.: *See—*
  - Lecheheb, Ammar; and Doyle, James J., 4,864,323, Cl. 346-1.100.
- Doyle, James P.; and Rudolph, Lyle J. Load carrying apparatus. 4,878,605, 11-7-89, Cl. 224-42.410.
- Doyle, James T.; and McDaniel, Bart R., to Motorola, Inc. MOS voltage to current converter. 4,83[illegible],487, 5-30-89, Cl. 330-277.000.
- Doyle, James T., to Motorola, Inc. Frequency doubling crystal oscillator via a current mirror. 4,845,444, 7-4-89, Cl. 331-116.0FE.
- Doyle, John B., to Babcock & Wilcox Company, The. Combined catalytic baghouse and heat pipe air heater. 4,871,522, 10-3-89, Cl. 423-239.000.
- Doyle, John J., Jr., to ETA Systems, Inc. Automatic circuit layout router. 4,852,015, 7-25-89, Cl. 364-491.000.
- Doyle, John T.; and Wiciel, Richard D., to Precision Connector Designs, Inc. Socket for electronic component. 4,824,389, 4-25-89, Cl. 439-269.000.
- Doyle, Lorin G., to Flint & Walling, Inc. Nozzle/venturi with pressure-differentiating bypass. 4,885,084, 12-5-89, Cl. 210-132.000.
- Doyle, Marguerite H.: *See—*
  - Beck, James L.; Doyle, Marguerite H.; Early, Roger W.; Ringe, Terrance W.; and Smith, David R., 4,799,811, Cl. 400-279.000.
- Doyle, Michael: *See—*
  - Nunberg, Jack H.; Doyle, Michael; Newell, Arthur; and White, Thomas, 4,818,769, Cl. 514-2.000.
  - Vavra, Randall J.; and Doyle, Michael, 4,858,643, Cl. 137-486.000.
- Doyle, Michael D. Method and apparatus for identifying features of an image on a video display. 4,847,604, 7-11-89, Cl. 340-706.000.
- Doyle, Michael J.: *See—*
  - Van Broekhoven, Johannes A. M.; and Doyle, Michael J., 4,808,699, Cl. 528-392.000.
  - van Broekhoven, Johannes A. M.; and Doyle, Michael J., 4,855,400, Cl. 528-392.000.
  - Van Broekhoven, Johannes A. M.; and Doyle, Michael J., 4,880,909, Cl. 528-487.000.
- Doyle, Ralph R.: *See—*
  - Brandt, David L.; and Doyle, Ralph R., 4,827,672, Cl. 51-165.90.
- Doyle, Terence; and Vreeswijk, Franciscus W. P., to U.S. Philips Corporation. Field interleaving compatible high definition television transmission system. 4,845,561, 7-4-89, Cl. 358-136.000.
- Doyle, Terrence W.: *See—*
  - Vyas, Dolatrai M.; Chiang, Yulin; and Doyle, Terrence W., 4,803,212, Cl. 514-338.000.
  - Vyas, Dolatrai M.; Doyle, Terrence W.; and Partyka, Richard A., 4,814,445, Cl. 544-111.000.
  - Vyas, Dolatrai M.; Chiang, Yulin; and Doyle, Terrence W., 4,866,180, Cl. 546-271.000.
- Doyle, Thomas E.; Edmonds, David P.; McAninch, Michael D.; and Ryan, Patrick M., to Babock & Wilcox Company, The. Method and apparatus for building a workpiece by deposit welding. 4,842,[illegible], 6-27-89, Cl. 228-222.000.
- Doyle, Thomas E.; and Ryan, Patrick M., to Babcock & Wilcox Company, The. Method and apparatus for automatic vapor cooling when shape melting a component. 4,857,694, 8-15-89, Cl. 219-76.120.
- Doyle, Walter M., to Laser Precision Corporation. Versatile and efficient radiation transmission apparatus and method for spectrometers. 4,810,093, 3-7-89, Cl. 356-346.000.
- Doyle, Walter M., to Laser Precision Corporation. Spectrometer system having pivotally mounted internal reflectance element. 4,812,[illegible], 3-14-89, Cl. 356-346.000.
- Doyle, Walter M., to Laser Precision Corporation. Internal reflectance spectroscopy for deep container immersion. 4,835,389, 5-30-89, Cl. 250-343.000.
- Doyle, Walter M., to Laser Precision Corporation. Infrared microscope employing a projected field stop. 4,843,242, 6-27-89, Cl. 250-330.000.
- Doyle, Walter M.; and Hughes, Norman S., to Laser Precision Corporation. Microscope for use in modular FTIR spectrometer system. 4,852,955, 8-1-89, Cl. 350-1.200.
- Doyle, William D., to Eastman Kodak Company. Microgap recording using ferrimagnetic medium for magneto-optic playback. 4,805,[illegible], 2-14-89, Cl. 360-59.000.
- Doyle, William D., to Eastman Kodak Company. Self-biased magnetoresistive reproduce head. 4,833,560, 5-23-89, Cl. 360-113.000.
- Dozier, Harold W.; Jones, Thomas M.; Wallach, Steven J.; and [illegible], Jeffrey H., to Convex Computer Corporation. Concurrent processing of data operands. 4,809,171, 2-28-89, Cl. 364-200.000.
- Dozier, Hilliard. Hermetically sealed electrical terminal. 4,830,[illegible], 5-16-89, Cl. 439-622.000.
- Dozier, John K., Jr. Apparatus and method for injecting bone cement. 4,815,454, 3-28-89, Cl. 128-92.0VQ.
- Draaijer, Arie: *See—*
  - Houpt, Pieter M.; and Draaijer, Arie, 4,863,226, Cl. 350-6.500.
- Drabek, Jozef; and Boger, Manfred, to Ciba-Geigy Corporation. Benzoylphenylureas. 4,798,837, 1-17-89, Cl. 514-594.000.
- Drabek, Jozef: *See—*
  - Boger, Manfred; and Drabek, Jozef, 4,812,466, Cl. 514-351.000.
  - Boger, Manfred; and Drabek, Jozef, 4,812,468, Cl. 514-346.000.
  - Boger, Manfred; and Drabek, Jozef, 4,866,079, Cl. 514-346.000.
  - Ehrenfreund, Josef; Boger, Manfred; Kristiansen, Odd; Drabek, Jozef; and Kristinsson, Haukur, 4,888,348, Cl. 514-367.000.
- Draber, Wilfried; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., to Bayer Aktiengesellschaft. Herbicidal [illegible] pyrrolo-pyridine derivatives. 4,846,876, 7-11-89, Cl. 71-92.000.
- Drabing, Walter; and Fiedler, Kurt, to WEGU Gummi- und Kunststoffwerke Walter Drabing K.G. Mount for engine, gearbox or similar parts of a motor vehicle. 4,884,779, 12-5-89, Cl. 248-610.000.
- Drabowitch, Serge, to Thomson-CSF. Pulse compression method employing space-coding, and its application to a radar. 4,85[illegible], 8-1-89, Cl. 342-139.000.
- Drabowitch, Serge; and Bouko, Jean, to Thomson-CSF. Conical [illegible] array antenna and a radar having such an antenna. 4,857,936, 8-15-89, Cl. 342-368.000.

- Drabowitch, Serge: *See—*
  - Fouche, Yvon; Elleaume, Philippe; and Drabowitch, Serge, 4,864,221, Cl. 324-83.00R.
- Drachnik, Kenneth J.; Kheder, Joseph; and Aspey, S. Alan, to Raychem Corporation. Mesh electrodes and clips for use in preparing them. 4,855,024, 8-8-89, Cl. 204-147.000.
- Drackett Company, The: *See—*
  - Ciolino, Laura A.; and Clancy, Shaun F., 4,803,008, Cl. 252-162.000.
  - Ciolino, Laura A., 4,822,854, Cl. 252-174.190.
  - Hoffman, Eugene, 4,828,748, Cl. 252-102.000.
  - Hutchings, Richard S., 4,861,514, Cl. 252-187.210.
  - Hutchings, Richard S., 4,873,013, Cl. 252-102.000.
  - Hutchings, Richard S., 4,880,556, Cl. 252-156.000.
  - Jones, David A., 4,864,675, Cl. 15-119.00A.
  - Sinclair, Richard G.; and Sowell, Sylvester, 4,800,066, Cl. 422-55.000.
- Draeger, James H.: *See—*
  - Fleischer, Dennis G.; Smola, Robert J.; and Draeger, James H., 4,819,554, Cl. 100-224.000.
- Draenert, Klaus. Artificial joint components for teaching, research and visual aids. 4,838,795, 6-13-89, Cl. 434-274.000.
- Draenert, Klaus, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Materials for implantation comprising a polyacrylate containing spherical tricalcium phosphate particles. 4,842,603, 6-27-89, Cl. 623-16.000.
- Draf, Rolf: *See—*
  - Von Jordan, Wenzel; Draf, Rolf; Grone, Dieter; and Sauer, Harald, 4,877,598, Cl. 423-640.000.
- Draftex Industries Limited: *See—*
  - Bright, Robert G., 4,858,385, Cl. 49-488.000.
  - Weimar, Erich, 4,813,184, Cl. 49-477.000.
- Dragasevich, John, to GAF Corporation. Bag filter. 4,842,747, 6-27-89, Cl. 210-767.000.
- Drage, Davod J.; and Safi, Toufic, to Tegal Corporation. Silicon trench etch. 4,857,138, 8-15-89, Cl. 156-643.000.
- Dragerwerk Aktiengesellschaft: *See—*
  - Banziger, Fritz A.; and Klein, Peter, 4,799,263, Cl. 381-94.000.
  - Bather, Wolfgang, 4,844,867, Cl. 422-60.000.
  - Eckstein, Wolfgang; and Kolbe, Gunther, 4,805,608, Cl. 128-202.260.
  - Eckstein, Wolfgang; and Drews, Wolfgang, 4,821,711, Cl. 128-202.260.
  - Eckstein, Wolfgang; and Schirk, Karl-Heinz, 4,828,590, Cl. 55-316.000.
  - Eder, Alfred; and Albarda, Scato, 4,808,922, Cl. 324-204.000.
  - Falb, Wolfgang; Ryschka, Martin; and Wallroth, Carl-Friedrich, 4,825,860, Cl. 128-203.120.
  - Gerdts, Uwe, 4,832,714, Cl. 55-158.000.
  - Hagen, Werner; Brandt, Claus-Dieter; and Mahrt, Gerd, 4,817,414, Cl. 73-25.000.
  - Hartung, Karl-Heinz, 4,811,732, Cl. 128-204.260.
  - Heckmann, Johannes; and May, Wolfgang, 4,800,067, Cl. 422-86.000.
  - Heim, Ulrich; and Albarda, Scato, 4,798,689, Cl. 261-39.100.
  - Heim, Ulrich, 4,806,491, Cl. 436-165.000.
  - Kiske, Siegfried, 4,821,568, Cl. 73-204.170.
  - Kleinschmidt, Lothar; Wallroth, Carl-Friedrich; and Waschmann, Michael, 4,846,169, Cl. 128-205.240.
  - Koch, Jochim; and Franz, Wolfgang, 4,832,029, Cl. 128-376.000.
  - Koch, Jochim, 4,844,059, Cl. 128-205.120.
  - Koch, Jochim; Geier, Michael; and Franz, Wolfgang, 4,846,783, Cl. 600-22.000.
  - Loughlin, Patrick J.; Westenskow, Dwayne R.; Wied, Henrich A.; and Wallroth, Carl-Friedrich, 4,878,388, Cl. 73-866.400.
  - Matthiessen, Hans, 4,833,909, Cl. 73-23.000.
  - Mohr, Helmut; Falb, Wolfgang; and Wallroth, Carl-Friedrich, 4,867,212, Cl. 141-290.000.
  - Pannwitz, Karl-Heinz, 4,848,166, Cl. 73-864.730.
  - Pantaleon-Stemberg, Gerd, 4,832,018, Cl. 128-206.170.
  - Pasternack, Adalbert, 4,881,539, Cl. 128-201.270.
  - Rabenecker, Horst; and Kruger, Jurgen, 4,856,818, Cl. 283-34.000.
  - Riggert, Eckhard, 4,850,566, Cl. 251-7.000.
  - Rohling, Holmer; Schulz, Frank; and Marqardt, Wolfgang, 4,836,197, Cl. 128-201.230.
  - Rohling, Holmer; Schulz, Frank; and Preininger, Siegfried, 4,840,171, Cl. 128-204.180.
  - Sachtler, Jurgen; and Schmidt, Wolf-Dieter, 4,801,385, Cl. 210-644.000.
  - Sachtler, Jurgen; and Schmidt, Wolf-Dieter, 4,859,331, Cl. 210-321.800.
  - Sauerbaum, Thomas; and Kahning, Stefan, 4,877,329, Cl. 374-28.000.
  - Schlor, Georg; and Pantaleon-Stemberg, Gerd, 4,853,087, Cl. 162-383.000.
  - Schmidt, Wolf-Dieter, 4,840,227, Cl. 165-162.000.
  - Schnoor, Christian; and Gronwoldt, Dieter, 4,829,603, Cl. 2-69.000.
  - Schnoor, Christian, 4,832,017, Cl. 128-206.120.
  - Schuck, Hansjochen; Iredale, Peter J.; and Johnson, Alan, 4,804,632, Cl. 436-143.000.
  - Surig, Andreas, 4,851,954, Cl. 361-103.000.
  - van der Smissen, Carl E.; and Rohling, Holmer, 4,807,614, Cl. 128-201.230.
  - van der Smissen, Carl E.; Ernst, Rainer; and Eckstein, Wolfgang, 4,822,572, Cl. 422-126.000.
  - van der Smissen, Carl-Ernst, 4,795,611, Cl. 422-56.000.
  - von dem Hagen, Tronje, 4,838,261, Cl. 128-205.240.
  - Walther, Hans-Joachim, 4,796,619, Cl. 128-204.190.
  - Waschke, Christine; Topfer, Lothar; and Rath, Alfred, 4,875,477, Cl. 128-206.210.
- Draggoo, Vaughn G.; Morton, Richard G.; Sawicki, Richard H.; and Bissinger, Horst D., to United States of America, Energy. Optical absorption measurement system. 4,868,768, 9-19-89, Cl. 364-525.000.
- Draghetti, Fiorenzo: *See—*
  - Gamberini, Antonio; and Draghetti, Fiorenzo, 4,883,163, Cl. 198-460.000.
- Dragicevic, Nedo D. L.: *See—*
  - De Angelis, Pedro C.; and Dragicevic, Nedo D. L., 4,814,567, Cl. 219-10.510.
- Dragich, Nicholas. Elongated concrete groover. 4,822,209, 4-18-89, Cl. 404-89.000.
- Dragieva, Yovka D.: *See—*
  - Butchkov, Dimiter T.; Dragieva, Yovka D.; Nikolov, Zvetan K.; Georgiev, Georgi G.; Slavtcheva-Staikova, Mina S.; and Grozdanova, Ivanka S., 4,822,409, Cl. 75-0.5AA.
- Dragmen, Kenneth J., Sr., to Picker International, Inc. Patient support for radiation imaging. 4,880,222, 11-14-89, Cl. 269-322.000.
- Dragnea, Felicia: *See—*
  - Lee, Andrew J.; Sanduja, Mohan L.; Sugathan, Kenneth; Dragnea, Felicia; and Horowitz, Carl, 4,875,410, Cl. 101-170.000.
- Drago, Russell S.; and Getty, Edward E., to University of Florida. Hydrocarbon conversion polymerization catalyst and method of making and using same. 4,798,667, 1-17-89, Cl. 208-117.000.
- Drago, Russell S.; and Bresinska, Iwona, to University of Florida. Zeolite containing entrapped anionic material. 4,830,999, 5-16-89, Cl. 502-74.000.
- Drago, Russell S.; and Goldstein, Cindy S., to University of Florida. Catalysts for the preparation alkyl halides. 4,845,064, 7-4-89, Cl. 502-64.000.
- Drago, Russell S.; and Davis, Shannon, to University of Florida. Olefin and alkane oxidations, ruthenium carboxylate catalyst therefor and method of preparation thereof. 4,885,377, 12-5-89, Cl. 556-136.000.
- Dragon, Elizabeth A.; and Sias, Stacey, to Codon. Antigenic material for a chagas' disease detection system. 4,870,006, 9-26-89, Cl. 435-7.000.
- Dragon Systems, Inc.: *See—*
  - Baker, James K., 4,803,729, Cl. 381-43.000.
  - Baker, James K.; and Gillick, Laurence, 4,805,219, Cl. 381-43.000.
  - Baker, James K., 4,866,778, Cl. 381-43.000.
  - Bamberg, Paul G.; Baker, James K.; Gillick, Laurence; and Roth, Robert S., 4,805,218, Cl. 381-43.000.
  - Gillick, Laurence; Bamberg, Paul G.; Baker, James K.; and Roth, Robert S., 4,837,831, Cl. 381-43.000.
  - Porter, Edward W., 4,829,576, Cl. 381-43.000.
  - Roberts, Jed M., 4,829,578, Cl. 381-46.000.
- Dragoni, Christian: *See—*
  - Buffet, Eric; Dragoni, Christian; and Rey, Pierre, 4,838,519, Cl. 251-129.210.
  - Feichtiger, Dieter; Neuffer, Klaus; Biber, Wolfgang; Freitag, Elmar; Corbier, Jean P.; and Dragoni, Christian, 4,830,054, Cl. 137-884.000.
- Dragoo, Jerry L., to Procter & Gamble Company, The. Absorbent article having leakage-resistant dual cuffs. 4,795,454, 1-3-89, Cl. 604-385.200.
- Dragoset, William H., Jr., to Western Atlas International, Inc. Method for removing doppler phase dispersion from seismic data. 4,809,235, 2-28-89, Cl. 367-21.000.
- Dragsund, Inge; and Gjestrum, Einar, to Geophysical Company of Norway A.S. Float for use in seismic surveys of the sea bed. 4,831,599, 5-16-89, Cl. 367-15.000.
- Drahanowsky, Walter, to U.S. Philips Corporation. Reel-hub for a tape. 4,880,181, 11-14-89, Cl. 242-74.000.
- Drahtseilwerk Saar GmbH: *See—*
  - Verreet, Roland, 4,827,708, Cl. 57-212.000.
- Draim, John E., to Analytic Services, Inc. Satellite continuous coverage constellations. 4,809,935, 3-7-89, Cl. 244-158.00R.
- Draim, John E. Tetrahedral multi-satellite continuous-coverage constellation. 4,854,527, 8-8-89, Cl. 244-158.00R.
- Drain, Frederick L.: *See—*
  - Henderson, Alex E.; Drain, Frederick L.; and Roberts, Lawrence G., 4,837,848, Cl. 382-56.000.
- Drain, Kieran F.; Summers, Robert; and Nativi, Larry A., to Loctite Corporation. Radiation curable temporary solder mask. 4,826,705, 5-2-89, Cl. 427-54.100.
- Drain, Kieran F.; and Kadziela, Kris. Epoxy-amine compositions employing unsaturated imides. 4,837,295, 6-6-89, Cl. 528-111.000.
- Drain, Kieran F.; and Kadziela, Kris, to Loctite Corporation. Epoxy-amine compositions employing unsaturated imides. 4,886,842, 12-12-89, Cl. 522-103.000.
- Draisma, Gerardus G.: *See—*
  - Groeneveld, Marinus; and Draisma, Gerardus G., 4,826,746, Cl. 430-31.000.
- Draiswerke GmbH: *See—*
  - Christen, Werner, 4,862,826, Cl. 118-303.000.
  - Lipp, Eberhard; and Wetzel, Hans, 4,848,919, Cl. 366-295.000.
  - Stehr, Norbert, 4,848,676, Cl. 241-33.000.
- Drake, Allan R.: *See—*
  - Bennett, Reginald B. P.; Drake, Allan R.; and Finn, Roger C., 4,808,434, Cl. 427-54.100.
- Drake, Barry L.: *See—*
  - Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L.; and Henderson, Thomas B., 4,838,646, Cl. 350-169.000.

Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L.; and Henderson, Thomas B., 4,863,247, Cl. 350-401.000.
Drake, Brian: *See—*
  Christenson, Philip A.; Drake, Brian; and Riker, Paul J., 4,880,775, Cl. 512-12.000.
Drake, Brian J.: *See—*
  Christenson, Philip A.; Eilerman, Robert G.; and Drake, Brian J., 4,827,012, Cl. 558-260.000.
  Christenson, Philip A.; and Drake, Brian J., 4,868,339, Cl. 568-376.000.
Drake, Charles A., to Phillips Petroleum Company. Dehydration of alcohols. 4,795,730, 1-3-89, Cl. 502-170.000.
Drake, Charles A.; and Kubicek, Donald H., to Phillips Petroleum Company. Glass powder promoter for carbonate supported catalyst and olefin dimerization processes therewith. 4,835,330, 5-30-89, Cl. 585-516.000.
Drake, Charles A., to Phillips Petroleum Company. Solvent recovery from solutions of organic aluminum compound. 4,864,072, 9-5-89, Cl. 585-868.000.
Drake, Charles A., to Phillips Petroleum Company. Separation of alkenylpyridines from alkylpyridines. 4,868,309, 9-19-89, Cl. 546-350.000.
Drake, Charles A., to Phillips Petroleum Company. Catalyst compositions useful for olefin isomerization and disproportionation and method for preparing the catalyst compositions. 4,889,840, 12-26-89, Cl. 502-255.000.
Drake, Charles A.: *See—*
  Byers, Jim D.; and Drake, Charles A., 4,837,358, Cl. 560-261.000.
  Byers, Jim D.; and Drake, Charles A., 4,843,178, Cl. 568-469.900.
  Ewert, Warren M.; Kubicek, Donald H.; and Drake, Charles A., 4,810,682, Cl. 502-174.000.
  Ewert, Warren M.; Kubicek, Donald H.; and Drake, Charles A., 4,876,410, Cl. 585-516.000.
Drake, Cyril F.; Arch, Alfred J.; and Tripp, Mary, to STC PLC. Method for making sintered glass. 4,849,001, 7-18-89, Cl. 65-18.300.
Drake, Cyril F.; and Arch, Alfred J., to STC PLC. Material dispensers. 4,851,225, 7-25-89, Cl. 424-438.000.
Drake, Cyril F.; and Arch, Alfred J., to Standard Telephones and Cables, Public Limited Company. Controlled release system. 4,866,097, 9-12-89, Cl. 514-770.000.
Drake, Donald J., and Hawkins, William G., to Xerox Corporation. Large array thermal ink jet printhead. 4,829,324, 5-9-89, Cl. 346-140.00R.
Drake, Donald J.: *See—*
  Fisher, Almon P.; and Drake, Donald J., 4,851,371, Cl. 437-226.000.
  Hawkins, William G.; Drake, Donald J.; and Campanelli, Michael R., 4,822,755, Cl. 437-227.000.
  Kneezel, Gary A.; Drake, Donald J.; and Fisher, Almon P., 4,864,329, Cl. 346-140.00R.
  O'Neill, James F.; Drake, Donald J.; and Hawkins, William G., 4,875,968, Cl. 156-633.000.
  Torpey, Peter A.; Rezanka, Ivan; Deshpande, Narayan V.; and Drake, Donald J., 4,835,553, Cl. 346-140.000.
Drake, Eric F., to Reed Tool Company. Roller cutter drill bit and method of forming. 4,887,493, 12-19-89, Cl. 76-5.00R.
Drake, Evelyn N.: *See—*
  Duvdevani, Ilan; Manalastas, Pacifico V.; and Drake, Evelyn N., 4,801,498, Cl. 428-334.000.
Drake, George M. Unitary LCD display holder. 4,796,977, 1-10-89, Cl. 350-331.00R.
Drake, Gerald E.: *See—*
  Pitzen, James F.; and Drake, Gerald E., 4,813,870, Cl. 433-90.000.
Drake, James R.: *See—*
  Fosket, Timothy G.; and Drake, James R., 4,806,935, Cl. 342-120.000.
Drake, John E., Jr.: *See—*
  Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J., and Pozefsky, Diane P., 4,827,411, Cl. 364-300.000.
Drake, Kelly: *See—*
  Steuck, Roger A.; Culler, Paul T.; and Drake, Kelly, 4,809,857, Cl. 212-153.000.
Drake, Lawrence V., to Infloor, Inc. Electric radiant floor heating system. 4,878,332, 11-7-89, Cl. 52-741.000.
Drake, Philip A. Ironing board cover. 4,813,166, 3-21-89, Cl. 38-140.000.
Drake, Timothy E.: *See—*
  Quirk, Michael J.; and Drake, Timothy E., 4,870,870, Cl. 74-61.000.
Drake, William T. Moisture protection device for key lock openings. 4,825,673, 5-2-89, Cl. 70-455.000.
Drallim Industries Limited: *See—*
  Gimblett, Christopher F., 4,831,380, Cl. 341-166.000.
Drandell, Marvin L. Variable stencil. 4,862,597, 9-5-89, Cl. 33-565.000.
Drane, John H., to Duracell Inc. Flashlight bulb mounting. 4,875,146, 10-17-89, Cl. 362-202.000.
Drane, Mark R.; Johnson, Jerry E.; and Ragusa, Samuel L., to Hart/-Troxel Joint Venture. Tabletop construction. 4,805,541, 2-21-89, Cl. 108-27.000.
Draney, Marlow R., to Caeco, Inc. Method and apparatus for recording and rearranging representations of objects in a model of a group of objects located using a co-ordinate system. 4,829,446, 5-9-89, Cl. 364-488.000.
Draney, Robert G.: *See—*
  Hillard, Randy H.; Draney, Robert G.; and Lesher, Joseph J., 4,861,195, Cl. 405-180.000.

Dransfield, Graham P.: *See—*
  Egerton, Terence A.; Fothergill, Kevin A.; and Dransfield, Graham P., 4,851,293, Cl. 428-403.000.
Dransfield, Julian E. G., to Stankee, Glen E. Baby bottle. 4,867,325, 9-19-89, Cl. 215-11.200.
Drapal, Myron E.: *See—*
  Cohen, Roberta S.; Huber, Kenneth M.; Mills, Deborah J.; Drapal, Myron E.; and Osterweil, Janis R., 4,837,798, Cl. 379-88.000.
Draper, A. Allen. Food grater holder. 4,805,843, 2-21-89, C 241-287.000.
Draper, Daniel S.: *See—*
  Bell, Marshall J., Jr.; and Draper, Daniel S., 4,885,547, C 330-254.000.
Draper, Douglas C.: *See—*
  Holmes, J. Fred; Hunt, John M.; Draper, Douglas C.; Clonninger, Todd L.; Mersereau, Tom R.; and Hosler, Michael J., 4,806,725, Cl. 219-121.630.
Draper, Robert; and Veyo, Stephen E., to Westinghouse Electric Corp. Preventing fluids in leakable enclosures from intermixing. 4,801,36 1-31-89, Cl. 204-258.000.
Draper, Susan L.: *See—*
  Vander Sande, Jan W.; Wood, Charles; and Draper, Susan L., 4,849,033, Cl. 148-13.100.
Drapier, Julien; Gallant, Chantal; and van de Gaer, Daniel, to Colgate Palmolive Company. Thixotropic clay aqueous suspensions containing polyacrylic acid polymer or copolymer stabilizers. 4,857,22 8-15-89, Cl. 252-174.250.
Drapier, Julien: *See—*
  Chazard, Georges; Drapier, Julien; Gallant, Chantal; and van De Gaer, Daniel, 4,801,395, Cl. 252-99.000.
Drappel, Stephan; Wong, Raymond W.; and Croucher, Melvin D., to Xerox Corporation. Liquid developer compositions. 4,880,72 11-14-89, Cl. 430-115.000.
Drappel, Stephan: *See—*
  Croucher, Melvin D.; Wong, Raymond W.; and Drappel, Stephan, 4,797,342, Cl. 430-137.000.
  Duff, James M.; Drappel, Stephan; Mayo, James D.; and Crysta Richard G., 4,803,119, Cl. 428-321.300.
  Wong, Raymond W.; Drappel, Stephan; and Croucher, Melvin D. 4,830,945, Cl. 430-114.000.
Drautz, Hannelore: *See—*
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Drauz, Karl-Heinz; Kleeman, Axel; Prescher, Gunter; and Ritter Gebhard, to Degussa AG. Method of preparing substituted dihydroxy-benzenes. 4,825,011, 4-25-89, Cl. 568-771.000.
Dravkin, David, to Israel Aircraft Industries Ltd. Saturable reactor current pulse generator. 4,812,770, 3-14-89, Cl. 328-67.000.
Draxelmayr, Dieter, to Siemens Aktiengesellschaft. Successive approximation register. 4,852,130, 7-25-89, Cl. 377-81.000.
Draxelmayr, Dieter, to Siemens Aktiengesellschaft. Current mirror circuit assembly. 4,875,018, 10-17-89, Cl. 330-288.000.
Draxton, Dean E.: *See—*
  Sherrick, Ronald E.; Ackerman, Dean C.; Draxton, Dean E.; Matthews, John C.; Smith, Don W.; and Stevens, John C. 4,803,959, Cl. 122-379.000.
Dray, Robert F. Mixing device for a feed screw. 4,842,414, 6-27-89, C 366-82.000.
Drazic, Nikola. Treatment of tobacco to reduce tar and nicotine content. 4,819,667, 4-11-89, Cl. 131-310.000.
Drazinakis, Evan G. Tennis training device. 4,865,319, 9-12-89, C 273-29.00A.
Drbal, Vladimir. Clamp device with radially split head. 4,804,27 2-14-89, Cl. 279-41.00R.
Drbohlav, Jaroslav: *See—*
  Urbanek, Peter; Farkas, Peter; Cvopa, Rudolf; Faskova, Mara and Drbohlav, Jaroslav, 4,843,207, Cl. 219-121.600.
DRD, Ltd.: *See—*
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Drean, Jean-Yves: *See—*
  Enderlin, Robert; Schutz, Richard A.; and Drean, Jean-Yves 4,843,879, Cl. 73-100.000.
Drebin, Robert A.; and Carpenter, Loren C., to Pixar. Methods and apparatus for imaging volume data with shading. 4,835,712, 5-30-89 Cl. 364-518.000.
Drechsel, Arno. Self-adjusting rotary-arm irrigation sprinkler 4,842,199, 6-27-89, Cl. 239-230.000.
Drechsel, Arno. Universal advancement deflector for impact irrigation 4,858,829, 8-22-89, Cl. 239-230.000.
Drefahl, Dieter, to Honeywell Regelsysteme GmbH. Method for operating a transmitting/receiving circuit and an apparatus for implementing the method. 4,809,355, 2-28-89, Cl. 455-75.000.
Drefahl, Dieter, to Honeywell Regelsysteme GmbH. Method for operating a transmitting/receiving circuit and a circuit utilizing the method. 4,860,266, 8-22-89, Cl. 367-97.000.
Dreher, Adolph E. S., to Washex Machinery Corporation. Commercial/industrial washing machine. 4,835,993, 6-6-89, Cl. 68-142.000.
Dreher, Eberhard: *See—*
  Buhs, Christoph; Dreher, Eberhard; and McConchie, Garnet E. 4,849,562, Cl. 570-241.000.
Dreher, Gunther; and von Korff, Peter, to MAN Technologie GmbH. Drive system for motor vehicles. 4,866,622, 9-12-89, Cl. 364-431.04
Dreher, Mark L.: *See—*
  Barry, David L.; Dreher, Mark L.; Johnson, Alan A.; and Schroder, Otto E., 4,824,684, Cl. 426-94.000.

Drehkoff, William D.: *See—*
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Dreibelbis, John D., to Kulicke and Soffa Industries, Inc. Bi-directional drive motor system. 4,808,892, 2-28-89, Cl. 318-135.000.
Dreibelbis, Richard C.; and Coleman, Milton H., to Carrier Corporation. Warm-up/changeover valve or proximity switch. 4,844,149, 7-4-89, Cl. 165-22.000.
Dreier, Beat. Exerciser. 4,826,156, 5-2-89, Cl. 272-130.000.
Dreier, Ernst, to F. Gegauf AG Bernina-Nahmaschinenfabrik. Bobbin case holder with adjustable thread tensioning device. 4,884,519, 12-5-89, Cl. 112-229.000.
Dreiling, Ronald L. Stump grinder tooth sharpening apparatus. 4,843,769, 7-4-89, Cl. 51-241.00S.
Dreiman, Nelik I.: *See—*
  Kropiwnicki, Tadek M.; Braymer, Joseph E.; and Dreiman, Nelik I., 4,795,316, Cl. 417-312.000.
Dreinhoff, Karl H., to Siemens Aktiengesellschaft. Method for fashioning ink channels in a write head for a dot-matrix ink printer means. 4,868,582, 9-19-89, Cl. 346-1.100.
Dreinhoff, Karl H.; and Schulz, Harald, to Siemens Aktiengesellschaft. Method for fashioning ink channels in a write head for a dot-matrix ink printer means. 4,868,583, 9-19-89, Cl. 346-1.100.
Dreinhoff, Karl-Heinz, to Siemens Aktiengesellschaft. Mount for guide roller at a carrier part. 4,834,557, 5-30-89, Cl. 384-54.000.
Dreinhoff, Karl-Heinz; and Meinhof, Andre-Heinrich, to Siemens Aktiengesellschaft. Optical scanner. 4,870,502, 9-26-89, Cl. 358-474.000.
Dreisbach, David D.; and Gomes, Gilbert S., to Betz Laboratories, Inc. Process for controlling pitch deposition from pulp in papermaking systems. 4,846,933, 7-11-89, Cl. 162-168.100.
Dreisbach, David D.; and Gomes, Gilbert S., to Betz Laboratories, Inc. Process for controlling pitch deposition from pulp in papermaking systems. 4,871,424, 10-3-89, Cl. 162-168.100.
Dreisig, Robert C.; and McDonald, David L., to Cincinnati Milacron Inc. Article gripper. 4,858,980, 8-22-89, Cl. 294-99.100.
Dreissigacker, Peter D.; and Dreissigacker, Richard A., to Concept II, Inc. Energy absorbing means with self calibrating monitor. 4,875,674, 10-24-89, Cl. 272-72.000.
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  Dreissigacker, Peter D.; and Dreissigacker, Richard A., 4,875,674, Cl. 272-72.000.
Drejer, Jorgen; and Jakobsen, Palle, to A/S Ferrosan. Method of treating calcium overload in brain cells of mammals. 4,877,799, 10-31-89, Cl. 514-317.000.
Drejer, Jorgen: *See—*
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Dreizinger, Sanford. Method of manufacturing flute headjoints. 4,800,635, 1-31-89, Cl. 29-169.500.
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  Dren, Joseph; and Dren, Allen, 4,803,942, Cl. 114-219.000.
Dren, Joseph; and Dren, Allen. Boat, keel and hull protector. 4,803,942, 2-14-89, Cl. 114-219.000.
Drengler, Keith A., to International Minerals & Chemical Corp. Growth hormone-releasing factor analogs. 4,801,456, 1-31-89, Cl. 424-422.000.
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  Janski, Alvin M.; and Drengler, Susan M., 4,888,416, Cl. 530-399.000.
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Drent, Eit, to Shell Oil Company. Catalytic preparation of carbon monoxide/ethylene/secondary ethylenically unsaturated hydrocarbon terpolymer. 4,804,738, 2-14-89, Cl. 528-392.000.
Drent, Eit, to Shell Oil Company. Process for preparing carbon monoxide polymer with quaternary phosphonium compound bidentate ligand. 4,804,739, 2-14-89, Cl. 528-392.000.
Drent, Eit; and Wife, Richard L., to Shell Oil Company. Catalytic polymerization of carbon monoxide and olefin, with organo nitro or organo nitrite compound additive. 4,806,630, 2-21-89, Cl. 528-392.000.
Drent, Eit, to Shell Oil Company. Process for the dimerization of olefins. 4,806,647, 2-21-89, Cl. 585-511.000.
Drent, Eit, to Shell Oil Company. Process for the preparation of unsaturated ketones. 4,806,693, 2-21-89, Cl. 568-417.000.
Drent, Eit, to Shell Oil Company. Catalytic process for preparing polymers of sulfur dioxide and olefin. 4,808,697, 2-28-89, Cl. 528-384.000.
Drent, Eit, to Shell Oil Company. Catalytic copolymerization of CO/olefin with ketone additive. 4,810,774, 3-7-89, Cl. 528-392.000.
Drent, Eit, to Shell Oil Company. Catalytic process for the preparation of polyketones from carbon monoxide and ethylenically unsaturated hydrocarbon. 4,818,810, 4-4-89, Cl. 528-392.000.
Drent, Eit, to Shell Oil Company. Terpolymer of carbon monoxide and ethylenically unsaturated monomers. 4,818,811, 4-4-89, Cl. 528-392.000.
Drent, Eit; Wife, Richard L.; and Van Leeuwen, Petrus W. N. M., to Shell Oil Company. Improved process of preparing carbon monoxide/olefin copolymer with ortho substituted phosphine catalyst composition. 4,820,802, 4-11-89, Cl. 528-392.000.
Drent, Eit, to Shell Oil Company. Catalyst for the carbonylation of conjugated dienes. 4,824,817, 4-25-89, Cl. 502-154.000.
Drent, Eit, to Shell Oil Company. Polymerization of carbon monoxide and olefin with acid catalyst. 4,831,114, 5-16-89, Cl. 528-392.000.

Drent, Eit, to Shell Oil Company. Process for the preparation of esters of alpha-ethylenically unsaturated alcohols and alpha-ethylenically unsaturated carboxylic acids. 4,831,187, 5-16-89, Cl. 560-207.000.
Drent, Eit, to Shell Oil Company. Catalytic preparation of polyketone from carbon monoxide and olefin. 4,835,250, 5-30-89, Cl. 528-392.000.
Drent, Eit, to Shell Oil Company. Catalytic polymerization of carbon monoxide with functional substituted ethylenically unsaturated monomer. 4,841,020, 6-20-89, Cl. 528-392.000.
Drent, Eit; Van Leeuwen, Petrus W. N. M.; and Wife, Richard L., to Shell Oil Company. Catalytic polymerization of CO/olefin with ortho polar substituted aryl bidentate p ligand. 4,843,145, 6-27-89, Cl. 528-392.000.
Drent, Eit, to Shell Oil Company. Process for the preparation of [illegible] alkanedioic acids or diesters thereof. 4,849,542, 7-18-89, Cl. 560-175.000.
Drent, Eit, to Shell Oil Company. Catalyst compositions and a process for polymerizing carbon monoxide and olefins. 4,851,582, 7-25-89, Cl. 568-387.000.
Drent, Eit, to Shell Oil Company. Process for the dimerization of olefins. 4,859,646, 8-22-89, Cl. 502-165.000.
Drent, Eit; Wife, Richard L.; and Van Leeuwen, Petrus W. N. M., to Shell Oil Company. Copolymerization of carbon monoxide and olefin with nitrogen containing phosphine ligand catalyst. 4,859,764, 8-22-89, Cl. 528-392.000.
Drent, Eit; and Van Gogh, Johan, to Shell Oil Company. Process for the preparation of a diester of adipic acid. 4,861,912, 8-29-89, Cl. 560-204.000.
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Drent, Eit, to Shell Oil Company. Process for hydrogenation of esters into alcohols. 4,868,345, 9-19-89, Cl. 568-885.000.
Drent, Eit, to Shell Oil Company. Catalyst compositions and processes for polymerizing carbon monoxide and olefinically unsaturated hydrocarbons. 4,874,736, 10-17-89, Cl. 502-165.000.
Drent, Eit, to Shell Oil Company. Process for the preparation of alkanediols. 4,876,401, 10-24-89, Cl. 568-861.000.
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Drent, Eit, to Shell Oil Company. Polymerization of olefin/CO mixture with catalyst composition comprising phenolic compound. 4,889,913, 12-26-89, Cl. 528-392.000.
Drent, Eit: *See—*
  Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,812,433, Cl. 502-117.000.
  Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,868,221, Cl. 518-700.000.
  Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,873,267, Cl. 518-700.000.
  Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,876,286, Cl. 518-700.000.
  Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,888,361, Cl. 518-700.000.
  van Broekhoven, Johannes A. M.; and Drent, Eit, 4,824,934, Cl. 528-392.000.
  Van Broekhoven, Johannes A. M.; and Drent, Eit, 4,824,935, Cl. 528-392.000.
  Van Broekhoven, Johannes A. M.; and Drent, Eit, 4,831,113, Cl. 528-392.000.
  Van Broekhoven, Johannes A. M.; and Drent, Eit, 4,851,379, Cl. 502-154.000.
  Van Broekhoven, Johannes A. M.; and Drent, Eit, 4,859,644, Cl. 502-154.000.
  Van Broekhoven, Johannes A. M.; and Drent, Eit, 4,859,645, Cl. 502-154.000.
  Van Broekhoven, Johannes A. M.; Drent, Eit; Klei, Ebel; and Nozaki, Kenzie, 4,868,282, Cl. 528-392.000.
  Van Broekhoven, Johannes A. M.; Drent, Eit; Klei, Ebel; and Nozaki, Kenzie, 4,880,903, Cl. 528-392.000.
  Van Doorn, Johannes A.; Drent, Eit; Van Leeuwen, Petrus W. N. M.; Meijboom, Nicolaas; Van Oort, Aart B.; and Wife, Richard L., 4,855,399, Cl. 528-392.000.
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  Tatsuno, Kimio; Opschoor, Jan; van der Poel, Carolus J.; and Drenten, Ronald R., 4,822,151, Cl. 350-401.000.
Drenthen, Jan G., to Servex B.V. Device for determining the flow velocity of a medium in a cylindrical conduit. 4,831,884, 5-23-89, Cl. 73-861.270.
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  Hansel, Harold R.; and Drerup, Vincent M., 4,815,276, Cl. 60-39.330.
  Hansel, Harold R.; and Drerup, Vincent M., 4,815,911, Cl. 415-189.000.
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  Vardoulakis, Ioannis G.; and Drescher, Andrzej, 4,825,700, Cl. 73-749.000.
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Dresen, Heinz D.; and Schmidt, Siegbert, to Messer Griesheim GmbH. Device for filling and emptying pressure cylinders located on pallets. 4,830,066, 5-16-89, Cl. 141-1.000.

- Dressel, Lucian W. Bird repelling system with improved mounting fixture. 4,862,637, 9-5-89, Cl. 43-98.000.
- Dressen, Larry: *See—*
  - Gregerson, Barry; Dressen, Larry; and Mortensen, Roger L., 4,817,799, Cl. 206-445.000.
  - Gregerson, Barry; and Dressen, Larry, 4,865,190, Cl. 206-309.000.
- Dresser Industries, Inc.: *See—*
  - Bandukwalla, Phiroze, 4,820,115, Cl. 415-98.000.
  - Besic, Dragan, 4,808,093, Cl. 417-539.000.
  - Biek, Paul A., 4,813,492, Cl. 173-2.000.
  - Biek, Paul A., 4,813,822, Cl. 408-14.000.
  - Biek, Paul A., 4,836,296, Cl. 173-93.500.
  - Bird, Jay S., 4,814,234, Cl. 428-564.000.
  - Blackwell, Henry W.; Talley, Clifford L.; and Lacy, Rodger D., 4,830,103, Cl. 166-387.000.
  - Blackwell, Henry W.; Talley, Clifford L.; and Lacy, Rodger D., 4,848,459, Cl. 166-142.000.
  - Buckner, Robert K.; Read, Norman W.; and Ritchie, Donald E., 4,852,654, Cl. 166-277.000.
  - Carey, Loucius, Jr.; and Brooks, Leigh F., 4,803,933, Cl. 110-338.000.
  - Caridi, Frank J., 4,810,738, Cl. 524-317.000.
  - Chatterjea, Probir K., 4,871,048, Cl. 192-3.580.
  - Cilles, Arthur L., 4,813,749, Cl. 299-80.000.
  - Crivelli, Raymond J.; and Snellman, Roger, 4,846,677, Cl. 432-118.000.
  - Danzy, Roger D., 4,848,729, Cl. 251-332.000.
  - Dearing, David G., 4,838,348, Cl. 166-136.000.
  - Dysart, Theodore R., 4,813,502, Cl. 175-337.000.
  - Eiland, Eddie L., 4,872,379, Cl. 82-165.000.
  - Fain, John E., Jr., 4,858,642, Cl. 137-474.000.
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  - Greenlee, Donald R.; and Skinner, Willie C., Sr., 4,856,583, Cl. 166-127.000.
  - Grohmann, Martin, 4,818,177, Cl. 415-49.000.
  - Hagar, Jack L., 4,817,667, Cl. 137-613.000.
  - Henry, Ralph E., 4,794,944, Cl. 137-312.000.
  - Henry, Ralph E., 4,878,697, Cl. 285-250.000.
  - Hughes, Gustav O., 4,879,319, Cl. 523-139.000.
  - Kleeb, Thomas R.; and Wishon, Berhl E., 4,874,726, Cl. 501-124.000.
  - Knauss, Richard J.; and Michael, David J., 4,847,222, Cl. 501-104.000.
  - Langford, James W., Jr., 4,875,532, Cl. 175-371.000.
  - Pennison, Robert A.; and Biek, Paul A., 4,799,833, Cl. 408-132.000.
  - Rakieski, Kenneth E., 4,809,949, Cl. 251-310.000.
  - Rakieski, Kenneth E., 4,827,596, Cl. 29-458.000.
  - Reip, Raymond G., 4,881,571, Cl. 137-488.000.
  - Ricles, Thomas D.; and Domstead, Gary R., 4,886,127, Cl. 175-4.540.
  - Schaefer, Gerhard; and Neumann, Peter, 4,871,876, Cl. 568-34.000.
  - Singh, Anant P., 4,824,263, Cl. 384-306.000.
  - Stark, Robert A., 4,845,468, Cl. 340-454.000.
  - Winkelbauer, Howard M.; and Moore, Glenn A., 4,810,415, Cl. 252-183.130.
  - Woolatt, Derek; and Safford, George J., 4,889,156, Cl. 137-516.130.
- Dresser-Rand Company: *See—*
  - Bandukwalla, Phiroze, 4,824,325, Cl. 415-211.000.
  - Bandukwalla, Phiroze, 4,830,575, Cl. 416-95.000.
  - Bandukwalla, Phiroze, 4,850,795, Cl. 415-148.000.
  - Bandukwalla, Phiroze, 4,877,369, Cl. 415-148.000.
  - Bandukwalla, Phiroze, 4,877,373, Cl. 415-208.400.
  - Bennitt, Robert A., 4,852,608, Cl. 137-516.130.
  - Bennitt, Robert A.; and Anderson, Alan C., 4,872,395, Cl. 92-139.000.
  - Jahnke, William H., Jr., 4,848,409, Cl. 138-110.000.
  - Larson, Donald J.; and Moore, Norman L., 4,804,211, Cl. 285-225.000.
- Dresser U.K. Limited: *See—*
  - Smith, Charles G.; and Cottrell, Terence B. F., 4,877,427, Cl. 55-136.000.
- Dressers Industries, Inc.: *See—*
  - Macey, Christopher L.; and Knauss, Richard J., 4,833,109, Cl. 501-120.000.
- Dressing, Paul A.; and Macdonald, John L., to Cincinnati Incorporated. Apparatus for synchronizing cylinder position in a multiple cylinder hydraulic press brake. 4,797,831, 1-10-89, Cl. 364-474.070.
- Dressler, Gary J.: *See—*
  - Cameron, Robert W.; Dressler, Gary J.; and Hartline, Jack I., 4,842,100, Cl. 184-6.200.
- Dressler, Helmut, to Robert Bosch GmbH. Motor vehicle headlight. 4,796,163, 1-3-89, Cl. 362-61.000.
- Dressler, John L., to Burlington Industries, Inc. System for ultrasonic cleaning of ink jet orifices. 4,849,769, 7-18-89, Cl. 346-1.100.
- Dressler, John L.: *See—*
  - Archer, Timothy H. V.; Burchett, Roger C.; Dressler, John L.; and Wood, Greg S., 4,833,623, Cl. 364-507.000.
- Dretzka, Robert G., to Outboard Marine Corporation. Lower gearcase shift mechanism for marine propulsion device. 4,820,210, 4-11-89, Cl. 440-75.000.
- Dreuth, Rainer: *See—*
  - Meinert, Norbert; Huber, Werner; Dreuth, Rainer; and Franek, Henning, 4,859,635, Cl. 501-44.000.
- Drevet, Michel. Rotary barrel machine with pistons and fixed centering pivot. 4,815,327, 3-28-89, Cl. 74-60.000.
- Drevfors, Gunnar; Corniea, Donald G.; and Paulson, Norman J., to Tetra Pak Finance & Trading S.A. Method and apparatus for dispensing liquids. 4,840,205, 6-20-89, Cl. 141-2.000.
- Drew Chemical Corporation: *See—*
  - Mullins, Michael A.; and Thomas, Peter A., 4,806,310, Cl. 422-13.000.
- Drew, Dale M., to ASC, Incorporated. Convertible header latch mechanism. 4,817,999, 4-4-89, Cl. 292-113.000.
- Drew, Elmer H.: *See—*
  - Sullivan, Daniel P.; Scherman, Terrel L.; and Drew, Elmer H., 4,837,905, Cl. 29-91.500.
- Drew, Jacinta: *See—*
  - Morand, Peter; Drew, Jacinta; Szabo, Arthur G.; and Proulx, Pierre R., 4,879,069, Cl. 260-397.200.
- Drewel, Gunter; Enoch, Horst; and Grotkasten, Klaus, to Fried Krupp Gesellschaft mit beschrankter Haftung. Process and apparatus for loading a tire press. 4,800,059, 1-24-89, Cl. 264-502.000.
- Drewery, John O., to British Broadcasting Corporation. Scanning techniques using hierarchical set of curves. 4,843,468, 6-27-89, Cl. 358-140.000.
- Drewes, Douglas A.; and Yee, Phillip D., to Federal-Mogul Corporation. Self-aligning bearing carrier. 4,883,154, 11-28-89, Cl. 192-98.000.
- Drewitz, Hans: *See—*
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  - Hagin, Faust; and Drewitz, Hans, 4,843,907, Cl. 74-687.000.
  - Hagin, Faust; Drewitz, Hans; and Krenner, Manfred, 4,875,557, Cl. 188-79.550.
- Drewitz, Werner: *See—*
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- Drewry, Hugh R., Jr.: *See—*
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- Drews, Robert C. To and fro washing system and method. 4,817,59 4-4-89, Cl. 128-303.00R.
- Drews, Robert C.: *See—*
  - Pasternak, Eliezer; Drews, Robert C.; and Shalon, Tadmor, 4,878,493, Cl. 128-303.140.
- Drews, Wolf-Dietrich; Van Der Linden, Klaus; Ruttel, Martin; and Friedrich, Jurgen, to Siemens Aktiengesellschaft. Ultrasonic pocket atomizer. 4,877,989, 10-31-89, Cl. 310-323.000.
- Drews, Wolfgang: *See—*
  - Eckstein, Wolfgang; and Drews, Wolfgang, 4,821,711, Cl. 128-202.260.
- Drexel Equipment (UK) Limited: *See—*
  - Armell, Richard A., 4,805,448, Cl. 73-151.000.
- Drexel, Peter; Erne, Hans; Gosdowski, Gerhard; Gross, Karl; Kinten, Ulrich; and Leisner, Ernst, to Robert Bosch GmbH. Robot arm with an assembly flange for tools. 4,880,265, 11-14-89, Cl. 294-86.400.
- Drexel, Peter: *See—*
  - Clauss, Heinz; Drexel, Peter; Gosdowski, Gerhard; Kettner, Andreas; Leisner, Ernst; and Schwarze, Udo, 4,831,290, Cl. 310-12.000.
- Drexel University: *See—*
  - Beard, Richard B.; Hasan, Saleem; Scoles, Kevin J.; and Onaral, Banu, 4,854,865, Cl. 433-18.000.
  - Koczak, Michael J.; and Kumar, K. Sharvan, 4,808,372, Cl. 420-457.000.
  - Koerner, Robert M.; Lord, Arthur E., Jr.; and Brugger, John L., 4,842,448, Cl. 405-258.000.
- Drexelbrook Controls, Inc.: *See—*
  - Kramer, L. Jonathan; and Petersen, Steven R., 4,799,174, Cl. 364-550.000.
  - Maltby, Frederick L.; Hall, Richard G.; Kramer, Jonathan L.; Hoopes, Howard S.; and Petersen, Steven R., 4,849,754, Cl. 340-870.380.
- Drexelbrook Engineering Co.: *See—*
  - Stern, David M., 4,851,831, Cl. 340-870.160.
- Drexl, Hans-Jurgen; Schierling, Bernhard; Hartig, Franz; and Caspar, Manfred, to Fichtel & Sachs AG. Fly-wheel unit with disengageable friction device. 4,813,295, 3-21-89, Cl. 74-572.000.
- Drexler, Jerome, to Drexler Technology Corporation. Erasable optical wallet-size data card. 4,810,868, 3-7-89, Cl. 235-487.000.
- Drexler, Jerome, to Drexler Technology Corporation. Updatable micrographic pocket data card. 4,814,594, 3-21-89, Cl. 235-487.000.
- Drexler, Jerome, to Drexler Technology Corporation. Laser read-write system for personal information card. 4,835,376, 5-30-89, Cl. 235-488.000.
- Drexler, Jerome; and Bouldin, Eric W., to Drexler Technology Corporation. Read-only optical data card. 4,863,819, 9-5-89, Cl. 430-14.000.
- Drexler, Jerome; and Bouldin, Eric W., to Drexler Technology Corporation. Method for extending life of optically recorded information. 4,889,979, 12-26-89, Cl. 235-454.000.
- Drexler, Jerome: *See—*
  - Arnold, Joseph B.; and Drexler, Jerome, 4,864,630, Cl. 382-46.000.
  - Bouldin, Eric W.; and Drexler, Jerome, 4,837,134, Cl. 430-445.000.
  - Bouldin, Eric W.; and Drexler, Jerome, 4,884,260, Cl. 369-93.000.
  - Haddock, Richard; Arnold, Joseph B.; and Drexler, Jerome, 4,818,852, Cl. 235-488.000.
- Drexler, Leonard H.: *See—*
  - Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,820,192, Cl. 439-404.000.
  - Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,865,564, Cl. 439-404.000.
- Drexler, Michael: *See—*
  - Wiedemann, Wolfgang; Drexler, Michael; and Fuerderer, Juergen, 4,818,653, Cl. 430-59.000.
- Drexler Technology Corporation: *See—*
  - Arnold, Joseph B.; and Drexler, Jerome, 4,864,630, Cl. 382-46.000.
  - Bouldin, Eric W.; and Drexler, Jerome, 4,837,134, Cl. 430-445.000.
  - Bouldin, Eric W.; and Drexler, Jerome, 4,884,260, Cl. 369-93.000.
  - Drexler, Jerome, 4,810,868, Cl. 235-487.000.
  - Drexler, Jerome, 4,814,594, Cl. 235-487.000.
  - Drexler, Jerome, 4,835,376, Cl. 235-488.000.
  - Drexler, Jerome; and Bouldin, Eric W., 4,863,819, Cl. 430-14.000.
  - Drexler, Jerome; and Bouldin, Eric W., 4,889,979, Cl. 235-454.000.
  - Haddock, Richard; Arnold, Joseph B.; and Drexler, Jerome, 4,818,852, Cl. 235-488.000.
  - Haddock, Richard, 4,820,913, Cl. 235-487.000.
  - Pierce, Gerald A., 4,796,242, Cl. 369-32.000.
- Drey, Gilbert: *See—*
  - Oudet, Claude; Drey, Gilbert; and Veignat, Norbert, 4,866,323, Cl. 310-269.000.
- Dreyer, Christian; Thomas, Jean-Claude; and Vanvoren, Claude, to Aluminium Pechiney. Apparatus and process for optimizing combustion in chamber-type furnaces for baking carbonaceous blocks. 4,859,175, 8-22-89, Cl. 432-4.000.
- Dreyer, Dieter: *See—*
  - Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmits, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, 4,861,265, Cl. 432-103.000.
- Dreyer, Fredrick B.; and Maloney, Daniel T., to Gruendler Crusher and Pulverizer, Co. Wallboard cutter. 4,801,101, 1-31-89, Cl. 241-240.000.
- Dreyer, Geoffrey B.: *See—*
  - Dervan, Peter B.; and Dreyer, Geoffrey B., 4,795,700, Cl. 435-5.000.
  - Dervan, Peter B.; and Dreyer, Geoffrey B., 4,837,312, Cl. 536-27.000.
- Dreyer, Ronald C.: *See—*
  - Bedwell, Hubert A.; and Dreyer, Ronald C., 4,795,062, Cl. 222-92.000.
- Dreyfus, Roger, to I.C.P., S.A. Packaging arrangement for a group of containers including a handle on a tying strap. 4,871,068, 10-3-89, Cl. 206-428.000.
- Dreyfus, Roger, to I.C.P., S.A. Reinforcing corner flap for group packages. 4,883,168, 11-28-89, Cl. 206-152.000.
- Dreyfus, Russell W.: *See—*
  - Beha, Johannes G.; Dreyfus, Russell W.; Kash, Jeffrey A.; and Rubloff, Gary W., 4,845,425, Cl. 324-158.00R.
- Drezdzon, Mark A.; Moore, Eric J.; and Kaminsky, Mark P., to Amoco Corporation. Catalysis using pillared hydrotalcites. 4,843,168, 6-27-89, Cl. 558-357.000.
- DRG (UK) Limited: *See—*
  - Bowman, Kenneth A.; Maslin, Roger F.; Godden, David; and Ripper, Jonathan H., 4,831,926, Cl. 101-138.000.
  - Hopwood, Robert T., 4,887,350, Cl. 29-730.000.
  - Simpson, Brian K., 4,854,400, Cl. 175-85.000.
- DRI Steem Humidifier Co.: *See—*
  - Loniello, Peter J., 4,879,902, Cl. 73-304.00R.
- Driels, Morris R., to Board of Governors for Higher Education, State of Rhode Island; and Providence Plantations. Computer controlled adaptive compliance assembly workstation. 4,842,475, 6-27-89, Cl. 414-730.000.
- Driemeier, Gunter: *See—*
  - Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmits, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, 4,861,265, Cl. 432-103.000.
  - Tiggesbaumker, Peter; Durr, Manfred; Wurr, Jurgen; Krutzner, Karl; Rother, Wolfgang; Menzel, Karl; Schaberg, Frank; Klockenbusch, Heinrich; Unland, Georg; and Driemeier, Gunter, 4,808,108, Cl. 432-14.000.
  - Unland, Georg; and Driemeier, Gunter, 4,815,970, Cl. 432-106.000.
  - Unland, Georg; and Driemeier, Gunter, 4,840,561, Cl. 432-106.000.
- Driesen, Gerd: *See—*
  - Ruger, Wolfgang; Driesen, Gerd; Bohn, Helmut; and Martorana, Piero, 4,845,099, Cl. 314-253.000.
- Driessen, Leonardus M. H. E.; Janse, Cornelis P.; and Lahaije, Paul D. M. E., to U.S. Philips Corporation. Method for storing a parcelwise divided digital data base as well as of addressing a data parcel in a mass memory, and apparatus for carrying out the method. 4,888,698, 12-19-89, Cl. 364-443.000.
- Driga, Mircea D.: *See—*
  - Weldon, William F.; Pratap, Siddharth B.; and Driga, Mircea D., 4,841,217, Cl. 322-8.000.
  - Weldon, William F.; and Driga, Mircea D., 4,870,888, Cl. 89-8.000.
- Drigani, Fausto; and Poloni, Alfredo, to Danieli & C. Officine Meccaniche SpA. Device to clamp a roll assembly having a vertical axis on universal rolling stands. 4,883,372, 11-28-89, Cl. 384-585.000.
- Driggers, Bernard M., to White Consolidated Industries, Inc. Stress-limiting flexible throttle lever apparatus for a gasoline engine driven power tool or the like. 4,798,185, 1-17-89, Cl. 123-400.000.
- Driggers, Bernard M., to White Consolidated Industries, Inc. Vibration-damping control handle for a portable power tool. 4,819,742, 4-11-89, Cl. 173-162.200.
- Driggers, Bernard M., to White Consolidated Industries, Inc. Vibration-damping control handle for a portable power tool. 4,825,548, 5-2-89, Cl. 30-276.000.
- Driggers, John M.; Saska, Thomas J.; and Bevilacqua, Bruce W., to Westinghouse Electric Corp. Flexible radiant tube heater. 4,795,885, 1-3-89, Cl. 219-534.000.
- Driggers, John M.; and Yeh, James C. J., to Westinghouse Electric Corp. Process for accurately determining the position of the edges of support plates in steam generators. 4,814,702, 3-21-89, Cl. 324-207.000.
- Driggers, Roberts H. Method for installing and removing a fireplace insert. 4,876,785, 10-31-89, Cl. 29-426.300.
- Dril-Quip, Inc.: *See—*
  - Reimert, Larry E., 4,830,408, Cl. 285-27.000.
- Drilex Systems, Inc.: *See—*
  - Bailey, Thomas F.; and Campbell, John, 4,865,137, Cl. 175-269.000.
- Drilex UK Limited: *See—*
  - Forrest, John; Stewart, William; and Tulloch, Rory, 4,796,704, Cl. 166-317.000.
  - Forrest, John; Tulloch, Rory; and Stewart, William, 4,844,179, Cl. 175-92.000.
- Drilex UK Limited and Eastman Christensen Company: *See—*
  - Forrest, John; Catherall, Roger; Stewart, William; and Pounds, Randall J., 4,807,708, Cl. 175-45.000.
- Drill Systems International Ltd.: *See—*
  - Asak, Kare, 4,860,838, Cl. 175-320.000.
- Driller, Hubert; and Mang, Paul, to Mania Elektronik Automatisation Entwicklung und Geratebau GmbH. Apparatus for electrically testing printed circuit boards having contact pads in an extremely fine grid. 4,851,765, 7-25-89, Cl. 324-158.00F.
- Drillick, Jacob M., to Typex Corporation. Mechanical printer for numbering continuous forms. 4,813,350, 3-21-89, Cl. 101-76.000.
- Drillio, Robert C. Knee orthosis having offset within hinges and anti-rotation straps. 4,854,308, 8-8-89, Cl. 128-80.00C.
- Drinker, Philip A.: *See—*
  - Freed, Lisa E.; Kadam, Jill R. C.; Drinker, Philip A.; Thebeau, J. Richard; and Langer, Robert S., 4,846,786, Cl. 604-4.000.
- Drinkwater, Don L., to Digital Equipment Corporation. Ride-through energy boost circuit. 4,818,891, 4-4-89, Cl. 307-64.000.
- Drinkwine, Monte J., to ITT Electro Optical Products, a division of ITT Corporation. Method of making image intensifier tube. 4,853,098, 8-1-89, Cl. 204-192.280.
- Driole, Jean: *See—*
  - Paillere, Patrick; Alheritiere, Edouard; Garnier, Marcel; Driole, Jean; and Gagnoud, Annie, 4,838,933, Cl. 75-10.140.
- Driscoll, Carleton D.; Najm, Elie M.; and Waechter, Manfred, to International Business Machines Corp. Synchronization circuit for a blocking oscillator. 4,812,959, 3-14-89, Cl. 363-20.000.
- Driscoll, Charles C.: *See—*
  - Malhi, Satwinder; Bean, Kenneth E.; Driscoll, Charles C.; and Chatterjee, Pallab K., 4,855,809, Cl. 357-75.000.
- Driscoll, James W.: *See—*
  - Bruckner, Ronald L.; and Driscoll, James W., 4,798,945, Cl. 235-479.000.
- Driscoll, John N., to HNU Systems, Inc. Gas discharge lamp with built-in resistance to color center formation in ultraviolet-transmissive window. 4,801,841, 1-31-89, Cl. 313-112.000.
- Driscoll, John N.; and Atwood, Edwards S., to HNU Systems, Inc. Method of determining ammonia in a gaseous or liquid sample. 4,842,697, 6-27-89, Cl. 204-1.00T.
- Driscoll, John N.; and Atwood, Edwards S., to Hnu Systems, Inc. Method of detecting carbon dioxide in a gaseous or liquid sample. 4,846,937, 7-11-89, Cl. 204-1.00T.
- Driscoll, John N.; and Atwood, Edwards S., to HNU Systems, Inc. Method of detecting nitrogen oxides in gaseous or liquid samples. 4,849,058, 7-18-89, Cl. 204-1.00T.
- Driscoll, John S.; Haces, Alberto; and Breitman, Theodore, to United States of America, Health and Human Services. Chemical differentiating agents. 4,882,346, 11-21-89, Cl. 514-389.000.
- Driscoll, Michael M., to United States of America, Air Force. Low noise crystal controlled oscillator. 4,797,639, 1-10-89, Cl. 331-158.000.
- Driscoll, Michael M., to Westinghouse Electric Corp. Crystal controlled oscillator exhibiting reduced levels of crystal-induced low frequency noise, vibration sensitivity and circuit temperature rise. 4,851,790, 7-25-89, Cl. 331-116.00R.
- Driscoll, Robert K.; Leupold, Ernst I.; and Schutz, Joachim, to Hoechst Aktiengesellschaft. Hemiacetals of glyoxylic esters and a process for the isolation of glyoxylic esters. 4,814,491, 3-21-89, Cl. 560-186.000.
- Driskel, Stephen P.: *See—*
  - Barnett, Malcolm D.; Driskel, Stephen P.; and Taylor, John E., 4,846,566, Cl. 350-96.230.
- Driskill, Darrell. Downhole well fishing assembly. 4,801,167, 1-31-89, Cl. 294-86.300.
- Drislane, William F.: *See—*
  - Spigarelli, Donald J.; and Drislane, William F., 4,832,250, Cl. 228-102.000.
- Drits, Vladimir, to Innovex, Inc. Mechanism for providing pulsed magnetic field. 4,816,965, 3-28-89, Cl. 361-267.000.
- Drits, Vladimir, to Innovex, Inc. Method for diagnosing cutting tool dullness. 4,854,161, 8-8-89, Cl. 73-104.000.
- Drits, Vladimir; and Tselesin, Naum, to Innovex, Inc. Magnetic treatment of ferromagnetic materials. 4,873,605, 10-10-89, Cl. 361-143.000.
- Drits, Vladimir: *See—*
  - Haley, Thomas W.; Drits, Vladimir; and Johnson, Dale R., 4,819,329, Cl. 29-860.000.
- Driver, Michael C.: *See—*
  - Nathanson, Harvey C.; Driver, Michael C.; Cresswell, Michael W.; Freitag, Ronald G.; Alexander, Donald K.; and Yaw, Daniel F., 4,823,136, Cl. 342-368.000.

Driver, Ronald W., to Ward, Robert Maurice, a part interest. Heat transfer systems. 4,831,527, 5-23-89, Cl. 60-679.000.
Driver Southall Limited: *See—*
Isherwood, Jonathan M.; and Tansley, Robert W., 4,871,038, Cl. 177-25.180.
O'Brien, Kennedy M.; Dunton, Keith E.; Newley, Peter E.; Purser, Michael H.; Isherwood, Jonathan M.; and Tansley, Robert W., 4,807,711, Cl. 177-25.180.
Drivon, Gilles; and Gurtner, Bernard, to Atochem. Process for the preparation of bromofluoroacetic acids. 4,806,684, 2-21-89, Cl. 562-605.000.
DrM, Dr. Muller AG: *See—*
Flory, Wilfried, 4,808,308, Cl. 210-370.000.
Drnevich, Raymond F.: *See—*
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Drobnik, Jaroslav: *See—*
Rypacek, Frantisek; Uher, Jan; and Drobnik, Jaroslav, 4,808,399, Cl. 424-2.000.
Drobny, Wolfgang: *See—*
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Nitschke, Werner; Weller, Hugo; Drobny, Wolfgang; Taufer, Peter; and Jeenicke, Edmund, 4,864,202, Cl. 318-560.000.
Drobot, Adam T., to APTI, Inc. Defense system for discriminating between objects in space. 4,817,495, 4-4-89, Cl. 89-1.110.
Drobot, Alan J. Chimney flue brush. 4,823,425, 4-25-89, Cl. 15-162.000.
Droege, Thomas F., to Universities Research Association Inc. High voltage DC power supply. 4,888,673, 12-19-89, Cl. 363-21.000.
Droessler, Justin G.; and Gill, George J. Multi-spectral imaging system. 4,866,454, 9-12-89, Cl. 343-725.000.
Droge, Karl-Heinz: *See—*
Naab, Jakob; Droge, Karl-Heinz; and Pieperhoff, Hans-Joachim, 4,824,315, Cl. 414-408.000.
Pieperhoff, Hans J.; and Droge, Karl-Heinz, 4,886,411, Cl. 414-408.000.
Drogendijk, Arie C., and Kruithof, Cornelis, to Fortune Capital Management B.V. Pessary. 4,823,814, 4-25-89, Cl. 128-834.000.
Drogin, Edwin M., deceased (by Drogin, Louise S., administrator), to Eaton Corporation. Memory intensive image sorter and method. 4,851,854, 7-25-89, Cl. 342-417.000.
Drogin, Louise S., administrator: *See—*
Drogin, Edwin M., deceased, 4,851,854, Cl. 342-417.000.
Drogo, Pierre L. M. Spindle-receiving jack for forming an electrical connection and electrical connector comprising at least one such jack. 4,886,474, 12-12-89, Cl. 439-856.000.
Drohan, William: *See—*
Jaye, Michael; Burgess, Wilson; Maciag, Thomas; and Drohan, William, 4,868,113, Cl. 435-70.000.
Drohan, William N.: *See—*
Sobel, Mark E.; Liotta, Lance A.; Wewer, Ulla M.; Jaye, Michael C.; and Drohan, William N., 4,861,710, Cl. 435-6.000.
Droho, Joseph S.: *See—*
Wisbey, Robert W.; and Droho, Joseph S., 4,847,535, Cl. 315-101.000.
Droke, A. Farrel: *See—*
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Dromi, Asher: *See—*
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Lemaire, Didier; and Dronet, Jean-Marc, 4,852,745, Cl. 209-588.000.
Lemaire, Didier; and Dronet, Jean-Marc, 4,860,519, Cl. 53-167.000.
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DROPIC—Societe Civile de gestion de droits de Propriete Industrielle: *See—*
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Dropkin, Herbert: *See—*
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Dropps, Kevin J.: *See—*
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Drori, Mordeki. Multiple-disc filters. 4,844,806, 7-4-89, Cl. 210-448.000.
Drori, Mordeki. Multiple disc type filters. 4,863,598, 9-5-89, Cl. 210-232.000.
Drori, Mordeki. Disk filter. 4,871,457, 10-3-89, Cl. 210-333.100.
Drori, Mordeki. Multiple disc type filter and disc construction useful therein. 4,880,537, 11-14-89, Cl. 210-323.100.
Drori, Ze'Ev; and Segal, Moti, to Clifford Electronics, Inc. Programmable sensor apparatus. 4,845,464, 7-4-89, Cl. 340-429.000.
Drori, Ze'ev; and Amirpoor, Mansoor M., to Clifford Electronics, Inc. Multi-featured security system with self-diagnostic capability. 4,887,064, 12-12-89, Cl. 340-426.000.
Drori, Ze'Ev; and Segal, Moti, to Clifford Electronics, Inc. Multi-channel remote control transmitter. 4,890,108, 12-26-89, Cl. 341-176.000.

Drosdak, Joseph. Fishing line jaw-type connector. 4,864,767, 9-12-8
Cl. 43-43.100.
Drospo Inc.: *See—*
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Dross, Joachim: *See—*
Reinehr, Ulrich; Hirsch, Rolf-Burkhard; Dross, Joachim; an
Jungverdorben, Hermann-Josef, 4,842,793, Cl. 264-136.000.
Drossard, Jakob-Matthias: *See—*
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Drossbach, Hubert M., to Contech Construction Products Inc. Appa
tus for producing double wall pipe. 4,846,660, 7-11-89, C
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Droste, Timothy A.: *See—*
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legari, Michel; and Noel, Jacques, [illegible], Cl. 156-71.50
Droum, Richard. Cigarette case with built-in electronic timing devic
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Drozdowski, Stanislaw. Sound reproducing system with Hall eff
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Drucker, Steven H., to Quential, Inc. Method and apparatus for se
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Drucker, Steven H., to Quential, Inc. Method and means for se
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Druelle, Philippe; Vidal, Pierre; Saglio, Robert; and Toco, Jean-Lu
to Intercontrole S.A., and Electricite de France Service Natio
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4,861,853, Cl. 526-302.000.
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Sibalis, Dan, 4,856,188, Cl. 29-877.000.
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Salem, James; and Sims, Karl, 4,827,403, Cl. 364-200.000.
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Drumm, Donald E., to Wang Laboratories, Inc. Electronic light pointer for a projection monitor. 4,808,980, 2-28-89, Cl. 340-707.000.
Drumm, Kevin R., to Nuraseal Co. Ltd. Mechanical seal with heat exchanger. 4,872,689, 10-10-89, Cl. 277-9.500.
Drummond, Bernard: *See—*
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Drummond, Charles S., III; Milan, Thomas B.; and Moon, Brian E. Cooling device for beverage containers. 4,821,525, 4-18-89, Cl. 62-56.000.
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Drummond, Fred; and Clara, James W., to Fairchild Semiconductor Corporation. Apparatus and method for tape bonding. 4,804,810, 2-14-89, Cl. 219-85.000.
Drummond, Thane M.: *See—*
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Drummond, Timothy J.; Ginley, David S.; and Zipperian, Thomas E., to United States of America, Energy. Substrate solder barriers for semiconductor epilayer growth. 4,829,020, 5-9-89, Cl. 437-81.000.
Drumright, Ronald R. Extension level. 4,862,595, 9-5-89, Cl. 33-374.000.
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Drury, David J.; and Pennington, John, to BP Chemicals Limited. Continuous process for the production of methyl formate by the chromium catalyzed liquid phase oxidation of methanol. 4,851,569, 7-25-89, Cl. 560-239.000.
Drury, David J.; and Hamlin, John E., to BP Chemicals Limited. Process for the preparation of acids. 4,853,482, 8-1-89, Cl. 562-607.000.
Drury, David J.: *See—*
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Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, 4,858,918, Cl. 272-127.000.
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Druschke, Frank: *See—*
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Druschke, Wolfgang: *See—*
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Drusinsky, Doron; and Harel, David, to Yeda Research and Development Co. Ltd. Electronic controller based on the use of state charts as an abstract model. 4,799,141, 1-17-89, Cl. 364-141.000.
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Relyea, Christopher M.; and Relyea, Michael S., 4,822,116, Cl. 312-209.000.
Drutchas, Elaine M., heir: *See—*
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Drutchas, Elaine M., legal representative: *See—*
Drutchas, Gilbert H., deceased; and Borza, John S., 4,887,682, Cl. 180-79.100.
Drutchas, Gilbert H., deceased (by Drutchas, Elaine M., heir); and Borza, John S., to TRW Inc. Auxiliary drive circuit for an electric assist steering system. 4,828,060, 5-9-89, Cl. 180-79.100.
Drutchas, Gilbert H., deceased (by Drutchas, Elaine M., legal representative); and Borza, John S., to TRW Inc. Method and apparatus for nullifying electrical offsets in a torsion sensor. 4,887,682, 12-19-89, Cl. 180-79.100.
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Drye, James E.; and Post, Steven L., to Motorola Inc. Multichip IC module having coplanar dice and substrate. 4,890,156, 12-26-89, Cl. 357-74.000.
Drye, James E.: *See—*
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Dryer, Frederick L.: *See—*
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Drymon, Larry L. Compact universal steering wheel pulling system. 4,868,965, 9-26-89, Cl. 29-259.000.
Drysdale, Neville E., to Du Pont de Nemours, E. I., and Company. Poly-p-phenylamino carboxylate. 4,824,995, 4-25-89, Cl. 560-44.000.
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Dryzga, Craig D.: *See—*
Meister, Bernard J.; Dryzga, Craig D.; and Tien, Li C., 4,876,312, Cl. 525-263.000.
Drzewinski, Witold: *See—*
Dabrowski, Roman; Dziaduszek, Jerzy; Szczucinski, Tomasz; Drzewinski, Witold; Stolarz, Zofia; Zmija, Jozef; Parka, Janusz; and Sosnowska, Bozena, 4,849,130, Cl. 252-299.610.
DS Industrial & Marine Co., Inc.: *See—*
Seiford, Donald S., Sr., 4,815,887, Cl. 403-321.000.
DSC Communications Corporation: *See—*
Deschaine, Stephen A., 4,825,433, Cl. 370-62.000.
Diaz, Felix V.; and Stanley, Jack H., 4,858,232, Cl. 370-83.000.
Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., 4,885,739, Cl. 370-58.100.
DSET Laboratories, Inc.: *See—*
Robbins, Joseph S., III, 4,807,247, Cl. 374-57.000.
DSG Schrumpfschlauch GmbH: *See—*
Arenz, Helmut, 4,881,995, Cl. 156-52.000.
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Gagnon, Laurent, 4,884,371, Cl. 49-501.000.
D'Sidocky, Richard M.: *See—*
Cohen, Martin P.; and D'Sidocky, Richard M., 4,808,666, Cl. 525-232.000.
Cohen, Martin P.; and D'Sidocky, Richard M., 4,873,291, Cl. 525-348.000.
DSL Dynamic Sciences Limited: *See—*
MacEachern, Donald C.; and Levesque, Gaston, 4,855,885, Cl. 362-298.000.
DSM Resins B.V.: *See—*
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DSO "IZOT": *See—*
Turlakov, Hristo A.; Machev, Stefan S.; and Barbutov, Venelin G., 4,831,514, Cl. 364-200.000.
Turlakov, Hristo A.; Barbutov, Venelin G.; and Machev, Stefan S., 4,845,611, Cl. 364-200.000.
DSP Group, Inc., The: *See—*
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DTI Peripherals, Inc.: *See—*
Pemmaraju, Ramarao V., 4,872,197, Cl. 379-93.000.
Du-al Manufacturing Company: *See—*
Slanecka, Leslie J.; Hansen, Calvin H.; and Stumpe, Leroy B., 4,831,797, Cl. 37-86.000.
Du Pont (Australia) Ltd.: *See—*
Robbins, Geoffrey, 4,846,278, Cl. 166-288.000.
Du Pont Canada, Inc.: *See—*
Boocock, John R., 4,801,656, Cl. 525-344.000.
Boocock, John R. B., 4,802,886, Cl. 8-489.000.
Chu, Kenneth C., 4,877,840, Cl. 525-240.000.
Coughlin, Michael C.; Moss, Arthur Z.; and Stevens, Kenneth E., 4,842,741, Cl. 210-500.360.
Dokurno, Mark G.; Harbourne, David A.; and Lundhild, Evelyn M., 4,847,317, Cl. 524-424.000.
Dykes, David S.; and Kuhnemann, Klaus D., 4,845,168, Cl. 525-423.000.
Legault, Clayton M., 4,874,390, Cl. 8-149.100.
Mitchell, David J.; and Zboril, Vaclav G., 4,859,733, Cl. 524-432.000.
Roach, Max J.; and Taylor, Jack C., 4,838,477, Cl. 228-222.000.
Shuster, Jerry P.; and Cesaroni, Anthony, 4,859,265, Cl. 156-292.000.
Wong, Chun S., 4,857,254, Cl. 264-211.240.

- Zboril, Vaclav G.; and Mitchell, David J., 4,803,259, Cl. 528-483.000.
- Du Pont de Nemours & Co.: *See*—
  - Beveridge, Hugh K., Jr., 4,837,908, Cl. 29-130.000.
- Du Pont Tau Laboratories, Inc.: *See*—
  - Gordon, Joseph, 4,861,402, Cl. 156-108.000.
- Du Pont U.K. Ltd.: *See*—
  - White, Peter; Street, Ronald A.; Greaves, Christopher L.; and Harrison, Gordon, 4,825,534, Cl. 29-611.000.
- Dual Enterprises Corporation: *See*—
  - Wang, Yough J.; and Shyu, Wen L., 4,862,580, Cl. 29-566.400.
- Dual Lite, Inc.: *See*—
  - Johnstone, Robert M.; and Wegrzyn, Joseph S., 4,885,474, Cl. 307-66.000.
- Dual-Lite Manufacturing: *See*—
  - Balcom, James E.; Kozek, Edward P.; and Alderman, Arnold N., 4,799,039, Cl. 340-333.000.
- Dual-Lite Manufacturing, Inc.: *See*—
  - Alderman, Arnold N., 4,843,300, Cl. 323-224.000.
  - Lundgren, Paul R., 4,837,779, Cl. 375-10.000.
- Duan, Rongan: *See*—
  - Huang, Tongnian; You, Dengyun; Lu, Tongjing; Kang, Deyuan; and Duan, Rongan, 4,831,872, Cl. 73-162.000.
- Duarte, Eduardo, to Duarte Products, Inc. Sheet transfer mechanism for a freshly printed sheet. 4,836,104, 6-6-89, Cl. 101-420.000.
- Duarte, Francisco J., to Eastman Kodak Company. Optical device for rotating the polarization of a light beam. 4,822,150, 4-18-89, Cl. 350-394.000.
- Duarte, Jesus: *See*—
  - Froebe, Ronald L.; Duarte, Jesus; and Bailey, Richard L., 4,810,994, Cl. 338-202.000.
- Duarte Products, Inc.: *See*—
  - Duarte, Eduardo, 4,836,104, Cl. 101-420.000.
- Duarte, William S., to Plastic Development, Inc. Display panel assembly. 4,826,022, 5-2-89, Cl. 211-59.700.
- Dubach, Roland, to Marel S.A. One-way check valve for pressurized fluid. 4,832,075, 5-23-89, Cl. 137-512.000.
- Dubach, Werner F., to Alfatechnic AG. Plastic stopper for a container, with a measuring cup that serves as a cap. 4,802,597, 2-7-89, Cl. 215-307.000.
- Dubach, Werner F., to Alfatechnic AG. Single-piece snap hinge closure. 4,854,473, 8-8-89, Cl. 220-335.000.
- Dubach, Werner F., to Alfatechnic AG. Plastic cap assembly for containers in which the neck is sealed by a foil or membrane. 4,869,399, 9-26-89, Cl. 222-83.000.
- Dubach, Werner F., to Procter & Gamble Company, The. Two-piece screw closure for containers. 4,887,746, 12-19-89, Cl. 222-519.000.
- Duback, Clyde L. Aquarium and waterfall system. 4,836,142, 6-6-89, Cl. 119-5.000.
- Dubak, Glenda A.; and Capizzo, Peter D. Entrance door night light. 4,872,095, 10-3-89, Cl. 362-100.000.
- Dubal, Hans-Rolf: *See*—
  - Hemmerling, Wolfgang; Dubal, Hans-Rolf; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, 4,876,028, Cl. 252-299.610.
- Dubas, Henri, to Ciba-Geigy Corporation. Lubricant additives containing sulfur. 4,822,506, 4-18-89, Cl. 252-45.000.
- Dubbert, Robert A.: *See*—
  - Cesa, Mark C.; Dubbert, Robert A.; and Burrington, James D., 4,847,411, Cl. 564-132.000.
- Dube, Gaetan: *See*—
  - Sebastien, Leslie; Jelwan, Andre; and Dube, Gaetan, 4,804,337, Cl. 439-449.000.
- Dube, Ghyslain; Gariepy, Bruno; and Pare, Jean, to Alcan International Limited. Method of alloying aluminum. 4,832,911, 5-23-89, Cl. 420-528.000.
- Dube, Marcel. Double-glazed window apparatus with insulating shade. 4,865,107, 9-12-89, Cl. 160-85.000.
- Dube, Roger R.; and Yao, Shingshwang, to International Business Machines Corporation. Holograms in photorefractive materials. 4,807,970, 2-28-89, Cl. 350-3.640.
- DuBell, Thomas L.: *See*—
  - Holladay, Thomas E.; and DuBell, Thomas L., 4,817,389, Cl. 60-739.000.
- Dubensky, William J.: *See*—
  - Pyzik, Aleksander J.; Dubensky, William J.; Schwarz, Douglas B.; and Beaman, Donald R., 4,883,776, Cl. 501-10.000.
- Duber, Ernst O.: *See*—
  - Brown, James P.; Duber, Ernst O.; and Loenders, Mark, 4,885,348, Cl. 525-458.000.
- Dubertret, Alain; and Prandi, Bernard, to Compagnie Europeenne Du Zirconium Cezus. Process for improving the ductility of a product of alloy involving martensitic transformation and use thereof. 4,878,954, 11-7-89, Cl. 148-11.50F.
- Dubesset, Michel; and Cliet, Christian, to Institut Francais du Petrole. Seismic prospection method providing improved knowledge of the geological discontinuities of the subsoil. 4,881,207, 11-14-89, Cl. 367-31.000.
- Dubeta, David J. Water slide systems. 4,805,897, 2-21-89, Cl. 272-56.50R.
- Dubetsky, Derry J.: *See*—
  - Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.
- Dubey, Thomas W. Tubing cutter. 4,858,316, 8-22-89, Cl. 30-102.000.
- Dubgen, Oswald, to Kosmedico Vertrieb Kosmetischer und Medi nischer Lampen GmbH. Device for measuring UV-radiatio 4,851,685, 7-25-89, Cl. 250-372.000.
- Dubief, Claude: *See*—
  - Grollier, Jean F.; and Dubief, Claude, 4,796,646, Cl. 132-202.00
  - Grollier, Jean F.; Dubief, Claude; and Mondet, Jean, 4,839,166, C 424-71.000.
  - Grollier, Jean F.; Fiquet, Claire; Fourcadier, Chantal; Dubie Claude; Mondet, Jean; and Cauwet, Daniele, 4,842,849, C 424-70.000.
  - Grollier, Jean F.; and Dubief, Claude, 4,842,851, Cl. 424-70.00
  - Grollier, Jean F.; and Dubief, Claude, 4,867,966, Cl. 424-71.00
  - Grollier, Jean F.; Dubief, Claude; and Cauwet, Daniele, 4,871,53 Cl. 424-47.000.
  - Grollier, Jean F.; Dubief, Claude; and Mondet, Jean, 4,880,618, C 424-43.000.
- Dubil, James F.: *See*—
  - Dinan, Raymond F.; Dubil, James F.; Malin, Jerald R.; Robi Robert R.; Rohe, Clair F.; and Rohrer, Gene D., 4,888,812, C 382-7.000.
- Dubis, David: *See*—
  - Collins, Earl R., Jr.; Suitor, Jerry W.; and Dubis, David, 4,886,00 Cl. 110-165.00R.
- Dublinski, Alexander C.: *See*—
  - Kornitzky, Michael A.; and Dublinski, Alexander C., 4,836,785, C 425-388.000.
- Dubner Computer Systems, Inc.: *See*—
  - Dubner, Robert J., 4,849,746, Cl. 340-728.000.
  - Dubner, Robert J., 4,870,479, Cl. 358-13.000.
  - Lang, Stuart E., 4,819,061, Cl. 358-11.000.
  - Lang, Stuart E., 4,845,557, Cl. 358-105.000.
  - Lang, Stuart E., 4,847,683, Cl. 358-37.000.
  - Maltz, Ivan J., 4,827,253, Cl. 340-734.000.
- Dubner, Robert J., to Dubner Computer Systems, Inc. Digital [illegible] generator. 4,849,746, 7-18-89, Cl. 340-728.000.
- Dubner, Robert J., to Dubner Computer Systems, Inc. Video graphic memory storage reduction technique. 4,870,479, 9-26-89, C 358-13.000.
- Duboff, Gary. Diet monitor and display device. 4,796,182, 1-3-89, C 364-413.290.
- DuBois Chemicals, Inc.: *See*—
  - Steimel, Lyle H.; and Christensen, Ronald J., 4,874,50 C 252-178.000.
- DuBois, Chester G.; and Haman, David F., to Outboard Marine Corporation. Wrist pin lubrication system for two-cycle engines. [illegible] 5-23-89, Cl. 123-196.00M.
- DuBois, Donn A., to Shell Oil Company. Preparation of alkyl methacrylate monomers for anionic polymerization. 4,889,900, 12-26-89, C 526-77.000.
- Dubois, Eric; and Faubert, Pierre, to Institut National de la Recherche Scientifique. Apparatus and method for encoding and decoding a NTSC color video signal. 4,829,367, 5-9-89, Cl. 358-31.000.
- Dubois, Gerald J. Portable align boring machine. 4,850,756, 7-25-89, C 408-72.00R.
- Dubois, Guy: *See*—
  - Rochet, Andre; Dubois, Guy; Faure, Louis; and Lalanne, Alai 4,805,759, Cl. 198-346.100.
- Dubois, Jean-Claude; Le Barny, Pierre; Spassky, Nicolas; [illegible] Sophie; Noel, Claudine; Lacoudre, Nicole; and Leborgne, Alain, to Thomson CSF. Side-chain mesomorphic polymers derived from 1-(phenyl)-2-(4-cyanophenyl)-ethane. 4,824,923, 4-25-89, C 536-298.000.
- Dubois, Jon D., to Quality Tubing, Inc. Method and apparatus for producing continuous lengths of coilable tubing. 4,863,091, 9-5-89, C 228-147.000.
- Dubois, Maurice L.: *See*—
  - Scott, Leslie A.; and Dubois, Maurice L., 4,821,88 C 166-228.000.
- Dubois, Pascale C.: *See*—
  - Zebker, Howard A.; Held, Daniel N.; van Zyl, Jakob J.; Dubois, Pascale C.; and Norikane, Lynne, 4,829,303, Cl. 342-25.00
- Dubois, Pierre G.; Lognone, Francois M.; and Pape, Francois L., to Calcialiment. Nutritional product, especially for animals and vi and process for the manufacture thereof. 4,851,242, 7-25-89, C 426-74.000.
- DuBose, Ronald A., to Keever Laboratories, Inc. Spray vacuum apparatus. 4,850,997, 7-25-89, Cl. 604-289.000.
- Dubost, Bruno, to Cegedur Societe de Transformation de l'Aluminium Pechiney. Al alloys having high proportions of Li and Si and process for production thereof. 4,804,423, 2-14-89, Cl. 148-437.00
- Dubost, Bruno; Reboul, Max; and Sainfort, Pierre. Method of heat treatment of Al-based alloys containing Li and the product obtained by the method. 4,812,178, 3-14-89, Cl. 148-12.70A.
- Dubost, Bruno, to Cegedur Societe de Transformation de l'Aluminium Pechiney. Al-Cu-Li-Mg alloys with very high specific mechanical strength. 4,840,683, 6-20-89, Cl. 148-12.70A.
- Dubost, Bruno; and Audier, Marc, to Pechiney. Metal alloy with a lattice spacing. 4,865,665, 9-12-89, Cl. 148-404.000.
- Dubost, Bruno: *See*—
  - Lang, Jean-Marc; and Dubost, Bruno, 4,838,988, Cl. 156-624.00
- Dubost, Dominique, to [illegible] S.A. U-shaped fastening clip device with resilient tongue actuator. 4,883,397, 11-28-89, Cl. 411-174.00
- Du Bourg, Noel J.; and De Klerk, Graham, to Velmet (Proprietary) Limited. Vibrating screen. 4,826,017, 5-2-89, Cl. 209-24

- Dubowik, John M., to Velcro Industries B.V. Apparatus for attaching touch fasteners with self-heating attachment adhesive. 4,822,443, 4-18-89, Cl. 156-379.700.
- Dubowik, John M., to Velcro Industries B.V. Pop-through touch fastener. 4,870,725, 10-3-89, Cl. 24-442.000.
- Dubreux, Bernard; and Chosson, Francoise, to Atochem. Method and composition for bleaching laundry. 4,810,408, 3-7-89, Cl. 252-99.000.
- Dubrinsky, Max M.: *See*—
  - Edwards, Marysue; and Dubrinsky, Max M., 4,861,021, Cl. 272-69.000.
- Dubroc, Donald J. Hunter's tree stand. 4,886,143, 12-12-89, Cl. 182-142.000.
- Dubroeucq, Marie-Christine; and Renault, Christian, to Rhone-Poulenc Sante. Benzo[b]thiophene- and benzo[b]furancarboxamide derivatives, pharmaceutical compositions and use. 4,808,599, 2-28-89, Cl. 514-320.000.
- Dubrovsky, Jack. Mounting for poultry watering device. 4,844,019, 7-4-89, Cl. 119-75.000.
- Dubrow, Robert S.; and Froix, Michael F., to Raychem Corporation. Microporous poly (arylether ketone) article. 4,859,715, 8-22-89, Cl. 521-180.000.
- Dubrow, Robert S.: *See*—
  - Dittmer, Catherine A.; and Dubrow, Robert S., 4,852,646, Cl. 165-185.000.
- Dubrul, Will R.; and Elliott, Martin P. Liposuction filter and lipoplasty device. 4,834,703, 5-30-89, Cl. 604-48.000.
- Dubrul, William R.: *See*—
  - Bauer, Bruce S.; Dubrul, William R.; and Allen, Tor E., 4,841,948, Cl. 128-897.000.
  - Hancock, John C.; Dubrul, William R.; and Heyler, Charles J., III, 4,798,584, Cl. 604-93.000.
  - Hancock, John C.; Dubrul, William R.; and Heyler, Charles J., III, 4,840,615, Cl. 604-93.000.
- Dubruque, Dominique: *See*—
  - Benvens, Gerard-Pierre; Chalrat, Bernard; Dubruque, Dominique; Girardot, Jean-Claude; and Vaxelaire, Philippe, 4,820,339, Cl. 75-0.5BD.
- Dubs, Paul; and Pitteloud, Rita, to Ciba-Geigy Corporation. Stabilized organic material. 4,810,740, 3-7-89, Cl. 524-333.000.
- Dubs, Paul: *See*—
  - Pitteloud, Rita; and Dubs, Paul, 4,820,756, Cl. 524-289.000.
  - Rasberger, Michael; Hofmann, Peter; Meier, Hans R.; and Dubs, Paul, 4,798,822, Cl. 546-15.000.
  - Stegmann, Werner; Troxler, Eduard; Hofmann, Peter; Meier, Hans-Rudolf; and Dubs, Paul, 4,863,982, Cl. 524-101.000.
- Dubs, Philip M. Convex vehicle replacement mirror. 4,834,521, 5-30-89, Cl. 350-631.000.
- Dubuc, Jean A.: *See*—
  - LaRoche, Allan R.; Butcher, Robert A.; Dubuc, Jean A.; and Pearmain, Douglas S., 4,848,044, Cl. 52-58.000.
- Dubuc, Marie C. Rigid clothes drying rack. 4,846,356, 7-11-89, Cl. 211-106.000.
- Dubuisson, Georges; and Huynh, Tan Duc, to Veglia. Method of displaying the speed and distance on board a motor vehicle. 4,796,210, 1-3-89, Cl. 364-565.000.
- Dubuisson, Jacques; and Boutterin, Rene, to Xeram. Monolithic substrate for an electronic power component and process for the production thereof. 4,814,030, 3-21-89, Cl. 156-89.000.
- Dubuisson, Jacques; and Boutterin, Rene, to Interconnexions Ceramiques. Monolithic substrate for an electronic power component and process for the production thereof. 4,859,520, 8-22-89, Cl. 428-137.000.
- Dubuit, Jean-Louis; and Rouly, Eric, to Machines Dubuit. Distribution device for delivering vertically disposed objects one by one to a conveyor. 4,798,277, 1-17-89, Cl. 198-397.000.
- Dubur, Gunar Y.: *See*—
  - Lukevits, Edmund Y.; Kastron, Valeria V.; Vitolin, Rasma O.; Erchak, Nikolai P.; Skrastinsh, Indulis P.; Dubur, Gunar Y.; and Kimenis, Agris A., 4,841,054, Cl. 546-14.000.
  - Makarova, Natalya V.; Bisenieks, Egils A.; Uldrikis, Yan R.; Dubur, Gunar Y.; Veveris, Maris M.; and Kimenis, Agris A., 4,845,109, Cl. 514-356.000.
- Dubus, Alain, to Pechiney. Method of quantitative analysis by means of the mean atomic number of phases containing a light element using a scanning microscope and an image analyser. 4,847,495, 7-11-89, Cl. 250-307.000.
- Duc, Laurent: *See*—
  - Mail, Thomas; Tenud, Leander; Duc, Laurent; and McGarrity, John, 4,880,940, Cl. 548-544.000.
- Ducane Company, Inc., The: *See*—
  - Ducate, John S., Jr.; Berger, Bernard; Boatwright, Neal; and Walters, Jon S., 4,886,045, Cl. 126-41.00R.
- Ducassou, Didier, to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.). Ultralight-weight mirror and method of manufacturing it. 4,842,398, 6-27-89, Cl. 350-641.000.
- Ducate, John S., Jr.; Berger, Bernard; Boatwright, Neal; and Walters, Jon S., to Ducane Company, Inc., The. Side burner attachment for gas-fired grill. 4,886,045, 12-12-89, Cl. 126-41.00R.
- Duce, Edward, to Stockrail Ltd. Endless path storage carousel with selective discharge. 4,875,416, 10-24-89, Cl. 104-167.000.
- Duce, Richard W., to General Motors Corporation. Vertical rotary indirect printer. 4,885,992, 12-12-89, Cl. 101-38.100.
- Ducellier & Cie: *See*—
  - Meuret, Jean-Pierre; Ducrot, Christian; and Vogelsberger, Marcel, 4,884,018, Cl. 322-8.000.
- Ducellier, Gilbert, deceased (by Ducellier, Lucienne, legal representative, Michele Fabres nee Ducellier, Monique Goudet nee Ducellier, Colette Segonzac nee Ducellier, Renee Ducellier nee Richert, Veronique Ducellier, heirs); and Pavia, Andre, to Union Industrielle et d'Entreprise; Valorga; Pavia, Andre; Ducellier, Lucienne; Fabres nee Ducellier, Michele; Goudet nee Ducellier, Monique; Segonzac nee Ducellier, Colette; Ducellier nee Richert, Renee; and Ducellier, Veronique. Method of and equipment for anaerobic degradation of organic products. 4,824,571, 4-25-89, Cl. 210-603.000.
- Ducellier, Lucienne: *See*—
  - Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.
- Ducellier, Lucienne, legal representative, Michele Fabres nee Ducellier, Monique Goudet nee Ducellier, Colette Segonzac nee Ducellier, Renee Ducellier nee Richert, Veronique Ducellier, heirs: *See*—
  - Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.
- Ducellier nee Richert, Renee: *See*—
  - Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.
- Ducellier, Veronique: *See*—
  - Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.
- Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, to Personal Pet Products Partnership. Absorbent composition, method of making and using same. 4,844,010, 7-4-89, Cl. 119-1.000.
- Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred. Absorbent composition, and method of making same. 4,881,490, 11-21-89, Cl. 119-1.000.
- Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, to Personal Pet Products Partnership. Absorbent composition. 4,883,021, 11-28-89, Cl. 119-1.000.
- Duchateau, Jacques: *See*—
  - Gravisse, Philippe; Duchateau, Jacques; and Perron, Maurice, 4,874,188, Cl. 283-89.000.
- Duchene, Francois: *See*—
  - Barbier, Gerard Y. G.; Laboure, Gerard J. P. B.; Desaulty, Michel A. A.; Duchene, Francois; and Truvillot, Pascal M., 4,805,397, Cl. 60-39.320.
- Duchene, Glenn A.: *See*—
  - Bellows, Alfred H.; and Duchene, Glenn A., 4,838,041, Cl. 62-51.200.
- Duchenois, Valere, to U.S. Philips Corporation. Exposure arrangement for the production of masks. 4,867,535, 9-19-89, Cl. 350-321.000.
- Duchesne, Denis; and Johnson, Bryce V., to Minnesota Mining and Manufacturing Company. Extrudable thermoplastic hydrocarbon polymer composition. 4,855,360, 8-8-89, Cl. 525-187.000.
- Duchesneau, Jerome G., to United Technologies Corporation. Filter replacement mechanism. 4,822,386, 4-18-89, Cl. 55-274.000.
- Duchess Limited: *See*—
  - Rainik, Vincent L., 4,861,528, Cl. 264-39.000.
- Duck, Michael J.: *See*—
  - Verdin, Derek; and Duck, Michael J., 4,797,325, Cl. 428-473.500.
- Duck, Peter; Bender, Robert; Crosby, William; and Robertson, John G., to Meiogenics, Inc. Nucleic acid compositions with scissile linkage useful for detecting nucleic acid sequences. 4,876,187, 10-24-89, Cl. 435-6.000.
- Ducket, Steven W.: *See*—
  - Flaum, Charles; Galford, James E.; and Ducket, Steven W., 4,794,792, Cl. 73-152.000.
- Duckett, John W., to Barrier Systems, Inc. Anti-crash lane barrier with self-centering hinges. 4,806,044, 2-21-89, Cl. 404-6.000.
- Duckett, John W., to Barrier Systems, Inc. Lane barrier system with pivot control and method. 4,815,889, 3-28-89, Cl. 404-6.000.
- Duckett, John W., to Barrier Systems, Inc. Pre-loaded hinges for lane barrier system. 4,828,425, 5-9-89, Cl. 404-6.000.
- Duckworth, Mark H.: *See*—
  - Farrar, Dennis J.; and Duckworth, Mark H., 4,832,158, Cl. 187-103.000.
- Duckworth, Ralph M.; and Murray, Andrew M., to Lever Brothers Company. Fluoridating oral cavity. 4,837,007, 6-6-89, Cl. 424-52.000.
- Duclos, Gary P.: *See*—
  - Bianchini, William L.; and Duclos, Gary P., 4,852,275, Cl. 36-102.000.
- Ducommun, Garance M.: *See*—
  - Prior, Chrisopher P.; and Ducommun, Garance M., 4,828,989, Cl. 435-68.000.
- DuCorday, Gerard M. Hot melt glue binder. 4,800,110, 1-24-89, Cl. 428-41.000.
- DuCorday, Gerard M. Decorative portfolio-presentation folder that can be partially constructed by the user. 4,863,093, 9-5-89, Cl. 229-1.50R.
- Ducorday, Gerard M. Book cover. 4,886,299, 12-12-89, Cl. 281-31.000.
- Ducos, Maurice P.; and Serio, Andre L., to Total Compagnie Francaise des Petroles. Metallic coating on an inorganic substrate. 4,839,239, 6-13-89, Cl. 428-623.000.
- Ducourant, Thierry; and Gabillard, Bertrand, to U.S. Philips Corp. Integrated memory circuit having a differential read amplifier. 4,831,588, 5-16-89, Cl. 365-154.000.
- Ducret, Claude: *See*—
  - Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.
- Ducret, Lucien C. Swing saw for cutting metal conduit. 4,821,414, 4-18-89, Cl. 30-90.200.
- Ducret, Robert P. NTSC compatible HDTV transmission system. 4,870,489, 9-26-89, Cl. 358-140.000.

Ducrot, Christian: *See—*
    Meuret, Jean-Pierre; Ducrot, Christian; and Vogelsberger, Marcel, 4,884,018, Cl. 322-8.000.
Ducrot, Etienne: *See—*
    Baars, Nicolaas J.; and Ducrot, Etienne, 4,831,378, Cl. 341-139.000.
Ductmate Industries, Inc.: *See—*
    Arnoldt, Peter J., 4,867,490, Cl. 285-367.000.
    Arnoldt, Peter J., 4,881,762, Cl. 285-367.000.
Duda, C. Richard, to ILC Technology, Inc. Dual detector laser beam power monitor. 4,842,404, 6-27-89, Cl. 356-218.000.
Duda, Donald W.: *See—*
    Chang, Peter; Bergman, Darrin J.; and Duda, Donald W., 4,887,875, Cl. 350-96.210.
Duda, Stanislaw K. Method and apparatus for detecting surface discontinuities. 4,853,679, 8-1-89, Cl. 340-675.000.
Dudar, Thomas E.; and Zdeb, Brian D., to Baxter International Inc. Drug delivery cartridge with protective cover. 4,850,978, 7-25-89, Cl. 604-201.000.
Dudasik, Edward M., to Transaction Technology Inc. Privacy screen for a color cathode ray display tube. 4,812,709, 3-14-89, Cl. 313-478.000.
Dudden, Christopher J., to Desoutter Limited. Positive feed device. 4,850,753, 7-25-89, Cl. 408-14.000.
Dudding, Carl M.: *See—*
    Bryan, David E.; Dudding, Carl M.; and Martin, John W., 4,888,990, Cl. 73-326.000.
Dudeck, David H., to Heron Manufacturing, Inc. Extended surface lure. 4,827,660, 5-9-89, Cl. 43-42.390.
Dudek, Daniel H.: *See—*
    Hsieh, Pon C.; Johnson, Steven M.; and Dudek, Daniel H., 4,844,933, Cl. 426-521.000.
Dudek, Gunther: *See—*
    Schroder, Gunter; and Dudek, Gunther, 4,856,978, Cl. 294-82.350.
Dudek, Wolfram: *See—*
    Frosch, Werner; and Dudek, Wolfram, 4,858,276, Cl. 19-98.000.
Dudkin, Viktor E.: *See—*
    Ivanov, Sergei K.; Dudkin, Viktor E.; Peredery, Valery P.; and Molchanov, Viktor N., 4,871,294, Cl. 415-58.700.
Dudley, Carol A., to Dow Chemical Company, The. Coextruded plastic film label for in-mold labeling. 4,837,075, 6-6-89, Cl. 428-220.000.
Dudley, Cheatham T.: *See—*
    Cauley, William J.; and Dudley, Cheatham T., 4,822,290, Cl. 439-137.000.
Dudley, Donald G.: *See—*
    Kleinberg, Robert L.; Dudley, Donald G.; Chew, Weng C.; and Clark, Brian, 4,845,433, Cl. 324-338.000.
Dudley, Edgar E. Direct height measuring device for surveying instruments. 4,888,881, 12-26-89, Cl. 33-759.000.
Dudley, James D. Pickup truck loading ramp. 4,795,304, 1-3-89, Cl. 414-537.000.
Dudley, Jerome M. Lure casting float. 4,866,874, 9-19-89, Cl. 43-41.200.
Dudley, Kenneth W.: *See—*
    Bowen, Robert F.; Wolfe, Robert E.; and Dudley, Kenneth W., 4,814,571, Cl. 219-10.55R.
Dudley, Mark E.: *See—*
    Goodson, Forrest R.; Dudley, Mark E.; and Rudy, Thomas P., 4,854,981, Cl. 149-2.000.
    Rudy, Thomas P.; Goodson, Forrest R.; and Dudley, Mark E., 4,881,994, Cl. 149-109.400.
Dudley, Roger W. Display device. 4,889,748, 12-26-89, Cl. 428-11.000.
Dudley Shearing Machine Mauf. Co. Limited: *See—*
    Purser, Brian, 4,818,005, Cl. 294-88.000.
Dudley, Trent: *See—*
    Glover, Neal; and Dudley, Trent, 4,839,896, Cl. 371-37.000.
Dudley, Winfred L. Pipe stretching apparatus. 4,803,881, 2-14-89, Cl. 72-392.000.
Dudman, Christopher, to Imperial Chemical Industries Plc. Polyaromatic compounds. 4,851,538, 7-25-89, Cl. 546-259.000.
Dudziak, Thaddeus J.; Lehmkuhl, Charles; and Badger, David, to Wavetek Corporation. Automatic calibration system for a voltage control oscillator. 4,847,569, 7-11-89, Cl. 331-25.000.
Dudzik, Henryk, to Mardon Illingworth Limited. Container with handle. 4,796,775, 1-10-89, Cl. 220-92.000.
Dudzik, Henryk, to Mardon Illingworth Limited. Container and plug closure means. 4,799,603, 1-24-89, Cl. 220-307.000.
Dudzik, Henryk, to Mardon Illingworth Ltd. Container. 4,887,735, 12-19-89, Cl. 220-307.000.
Dudzinski, Zdzislaw; and Adams, Phillip, to Stepan Company. Catalytic alkylation of primary and secondary amino groups in linear polyamines. 4,795,834, 1-3-89, Cl. 564-479.000.
Due, Jorgen; Graves, Bjarne; and Bak, Henning, to Hoechst Aktiengesellschaft. Process for preparing formable sheet structures. 4,861,535, 8-29-89, Cl. 264-103.000.
Dueck, Willie B., and Plett, Delmer, to Dueck, Willie B. Apparatus for dispensing and re-rolling floor covering materials. 4,809,921, 3-7-89, Cl. 242-56.00R.
Dueck, Willie B. Rack for storing and dispensing rolled floor covering. 4,819,887, 4-11-89, Cl. 242-56.00R.
Dueckman, Leonard, to Interprovincial Traffic Services Ltd. Radio controlled inductive loop counter for detecting human proximity. 4,829,546, 5-9-89, Cl. 377-6.000.
Dueker, Robert E. Roll bar. 4,795,188, 1-3-89, Cl. 280-756.000.
Duelfer, Timothy; and Blythin, David J., to Schering Corporation. Antiinflammatory and anti-hyperproliferative naphthyridin-4-ones. 4,859,669, 8-22-89, Cl. 514-250.000.
Dueme, Philippe: *See—*
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Duenas, Santiago: *See—*
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Duenes, Patricia; Kenyon, Richard L.; Scapes, John N.; Schild, Eugene H.; and Strong, Arthur P., to Parker Hannifin Corporation. Fros detection system for refrigeration apparatus. 4,831,833, 5-23-89, Cl. 62-140.000.
Duenkelmann, Dietger, to Foseco International Limited. Rotary device, apparatus and method for treating molten metal. 4,867,422, 9-19-89, Cl. 266-216.000.
Duerden, David: *See—*
    Nobbs, James H.; Oldring, Peter K. T.; and Duerden, David, 4,799,453, Cl. 118-665.000.
Duerig, Thomas: *See—*
    Albrecht, Joachim; and Duerig, Thomas, 4,808,246, Cl. 148-11.500.
Duerig, Urs T.; Gimewski, James K.; Greschner, Johann; Pohl, Wolfgang D.; and Wolter, Olaf, to International Business Machines Corporation. Micromechanical atomic force sensor head. 4,806,755, 2-21-89, Cl. 250-306.000.
Duerig, Urs T.; Gimzewski, James K.; and Pohl, Wolfgang D., to International Business Machines Corporation. Direct access storage unit using tunneling current techniques. 4,831,614, 5-16-89, Cl. 369-101.000.
Duerr, Wilhelm; Ingwersen, Hartwig; Krause, Norbert; and Oppelt, Ralph, to Siemens Aktiengesellschaft. Truncated cone shaped surface resonator for nuclear magnetic resonance tomography. 4,841,248, 6-20-89, Cl. 324-318.000.
Duerrschnabel, Wolfgang; Puckert, Franz; and Bletschacher, Max, to Wieland-Werke AG. Copper-chromium-titanium-silicon-alloy. 4,810,468, 3-7-89, Cl. 420-490.000.
Duerselen, Roderich: *See—*
    Reiche, Dieter; Thuerk, Matthias; and Duerselen, Roderich, 4,874,677, Cl. 428-605.000.
Duester, Everett; and Blanchard, Russell O., to Batts, Inc. Hanger with adjustable garment clamps. 4,826,056, 5-2-89, Cl. 223-96.000.
Duetsche Forchungs- und Versuchsanstalt fur Luft- und Raumfahr e.V.: *See—*
    Heinrich, Jurgen; and Bohmer, Manfred, 4,812,272, Cl. 264-65.000.
Duetsche Gesellschaft fur Wiederaufarbeitung von Kernbrenstoffe mbH: *See—*
    Forster, Jurgen; and Bramer, Manfred, 4,881,433, Cl. 81-55.000.
DuFault, Robert A., to Cardiac Pacemakers, Inc. Refractoriless atrial sensing in dual chamber pacemakers. 4,799,486, 1-24-89, Cl. 128-419.0PG.
DuFault, Robert A., to Cardiac Pacemakers, Inc. Dual channel coherent fibrillation detection system. 4,799,493, 1-24-89, Cl. 128-705.000.
Duff, Bob M.: *See—*
    Parra, Jorge O.; Owen, Thomas E.; and Duff, Bob M., 4,835,474, Cl. 324-363.000.
Duff, James M.; Drappel, Stephan; Mayo, James D.; and Crystal, Richard G., to Xerox Corporation. Ink compositions for impact typewriter ribbons. 4,803,119, 2-7-89, Cl. 428-321.300.
Duff, James M.: *See—*
    Croucher, Melvin D.; Duff, James M.; Fuller, John R. C.; Pravat George R.; and Wong, Raymond W., 4,822,710, Cl. 430-115.000.
Duff, Sheldon J. B.: *See—*
    Murray, William D.; Duff, Sheldon J. B.; and Lanthier, Patricia H., 4,871,669, Cl. 435-147.000.
Duffait, Roland: *See—*
    Lindig, Christian; and Duffait, Roland, 4,827,210, Cl. 324-146.000.
Duffalo, Joseph M.; and Lazar, Steven C., Jr., to Motorola Inc. Gallium arsenide power monolithic microwave integrated circuit. 4,890,069, 12-26-89, Cl. 330-277.000.
Duffee, Malcolm T., to Spirol International Corporation. Manual pin driver. 4,856,697, 8-15-89, Cl. 227-149.000.
Duffey, Donald; Hardee, Sellers; Smith, Wayne; Elliott, James; Garner, Robert; and Suess, Claus. Method of manufacturing a tool. 4,872,500, 10-10-89, Cl. 164-34.000.
Dufford, Dennis W.: *See—*
    Magnusson, Joseph W.; and Dufford, Dennis W., 4,868,848, Cl. 379-355.000.
Dufford, Edward L.: *See—*
    Chang, Wen H.; Prucnal, Paul J.; Peffer, John R.; Dufford, Edward L.; and Ambrose, Ronald R., 4,808,663, Cl. 525-100.000.
Duffour, Henri; Martin, Serge; and Studer, Ernst, to BBC Brown Boveri & Co., Ltd. Release mechanism for a high speed circuit breaker. 4,877,928, 10-31-89, Cl. 200-144.00R.
Duffy, Darrell: *See—*
    Mann, Bruce; and Duffy, Darrell, 4,823,122, Cl. 340-825.280.
Duffy, Frank H., to Children's Medical Center Corporation, The. Temporal trajectory analysis in brain electrical activity mapping. 4,815,474, 3-28-89, Cl. 128-731.000.
Duffy, Frank H. Spatial trajectory analysis in brain electrical activity mapping. 4,841,983, 6-27-89, Cl. 128-731.000.
Duffy, Frank H., to Children's Medical Center Corporation, The. Cross correlation analysis in brain electrical activity mapping. 4,844,086, 7-4-89, Cl. 128-731.000.
Duffy, Geoffrey G., to Fibre Dynamics Limited. Hydraulic transportation. 4,871,284, 10-3-89, Cl. 406-49.000.
Duffy, George Y., Jr.; and Flum, Ted O., to Iron Horse Productions Inc. Folding wheelchair with improved frame and suspension system. 4,861,056, 8-29-89, Cl. 280-250.100.

Duffy, Hugh: *See—*
    Bremner, Robert; Duffy, Hugh; and Miller, Burton E., 4,822,983, Cl. 219-505.000.
Duffy, James J., to Ford Motor Company. Electronic power assist control steering system. 4,828,067, 5-9-89, Cl. 180-142.000.
Duffy, James J., to Ford Motor Company. Electronically controlled variable assist power steering system. 4,877,099, 10-31-89, Cl. 180-142.000.
Duffy, John; Paunovic, Milan; Christian, Stephen M.; and McCormack, John F., to Kollmorgen Corporation. Control of electroless plating baths. 4,814,197, 3-21-89, Cl. 427-8.000.
Duffy, John A.: *See—*
    Hepp, Vincent R.; and Duffy, John A., 4,852,005, Cl. 364-422.000.
Duffy, John F. Packaging and storage container. 4,795,033, 1-3-89, Cl. 206-457.000.
Duffy, Karen; Helfer, Joel; and Campion, Terese, to Chesebrough-Pond's, Inc. An apparatus used to fabricate a custom female urine collection device. 4,824,071, 4-25-89, Cl. 249-117.000.
Duffy, Richard; and Sessa, Eugene, to Nylok Fastener Corporation. Powder spray apparatus. 4,815,414, 3-28-89, Cl. 118-308.000.
Duffy, Richard, to Nylok Fastener Corporation. Coated fasteners and process for making the same. 4,835,819, 6-6-89, Cl. 427-195.000.
Duffy, Richard: *See—*
    Sessa, Eugene D.; and Duffy, Richard, 4,842,890, Cl. 427-47.000.
    Sessa, Eugene D.; and Duffy, Richard, 4,865,881, Cl. 427-181.000.
Duffy, Richard J.; DiMaio, Anthony; and Sessa, Eugene D., to Nylok Fastener Corporation. Apparatus and method for coating fasteners. 4,888,214, 12-19-89, Cl. 427-183.000.
DuFort, Edward C., to Hughes Aircraft Company. High efficiency optical limited scan antenna. 4,825,216, 4-25-89, Cl. 342-376.000.
DuFort, Edward C., to Hughes Aircraft Company. Low sidelobe phased array antenna using identical solid state modules. 4,849,763, 7-18-89, Cl. 342-372.000.
Dufour, Eric: *See—*
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Dufour, Jacques: *See—*
    Azam, Guy; Convert, Guy; Cosset, Jean M.; Dufour, Jacques; and Mabire, Jean P., 4,821,725, Cl. 128-420.00A.
Dufour, Jacques J. J.: *See—*
    Dejaifve, Pierre E.; Darnanville, Jean-Paul; Dufour, Jacques J. J.; and Garin, Roland A. C., 4,857,498, Cl. 502-304.000.
Dufour, L. Marc, to Canadian Patents & Development Ltd. Adaptive welding control vision head. 4,859,829, 8-22-89, Cl. 219-124.340.
Dufour, Marcel; and Piat, Jacques, to Asten Group, Inc. Process to manufacture a felt with flap and a felt produced thereby. 4,842,925, 6-27-89, Cl. 428-223.000.
Dufour, Marcel; and Piat, Jacques, to Asten Group, Inc. Papermaker's wet press felt with predensified batt thereon. 4,842,929, 6-27-89, Cl. 428-300.000.
Dufour, Marcel, to Asten Group, Inc. Papermakers wet felts. 4,856,562, 8-15-89, Cl. 139-383.00A.
Dufour, Marcel, to Asten Group, Inc. Papermakers wet felts. 4,883,097, 11-28-89, Cl. 139-383.00A.
Dufour, Maurice; and Obrecht, Gerard, to Essilor International (Compagnie Generale d'Optique). Progressive lens. 4,796,988, 1-10-89, Cl. 351-169.000.
Dufour, Maurice, to Essilor International (Compagnie Generale d'Optique). Multifocal ophthalmic lens. 4,838,674, 6-13-89, Cl. 351-169.000.
Dufour, Maurice; and Obrecht, Gerard, to Essilor International Compagnie Generale d'Optique. Progressive ophthalmic lens. 4,854,689, 8-8-89, Cl. 351-169.000.
Dufour, Pierre, to Salomon S.A. Shoe sole. 4,837,949, 6-13-89, Cl. 36-127.000.
Dufour, Rene, to U.S. Philips Corp. Method of and device for pulse-mode driving a semi-conductor laser. 4,817,097, 3-28-89, Cl. 372-25.000.
Dufournet, Denis: *See—*
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DuFrenne, Gerald, to Unitek Corporation. Titiable electric thermode for multiple connection reflow soldering. 4,871,899, 10-3-89, Cl. 219-233.000.
Dufrenne, Regis: *See—*
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DuFresne, Allen J., to Paper Converting Machine Company. Method and apparatus for interfolding webs. 4,824,426, 4-25-89, Cl. 493-346.000.
Dufresne, Christopher M.; Plucinski, Andrzej J.; and Nalezny, Casmir P., to Becton, Dickinson and Company. Body fluid sample collection tube assembly. 4,830,217, 5-16-89, Cl. 220-420.000.
Dufresne, Christopher M., to Becton, Dickinson and Company. Needle shield. 4,867,746, 9-19-89, Cl. 604-192.000.
Dufresne, Jacques. Electric safety supply apparatus and connector device combination. 4,814,641, 3-21-89, Cl. 307-326.000.
Dufresne, Joel R.; Dieken, Alan P.; and Studer, John E., Jr., to Minnesota Mining and Manufacturing Company. Ergonometric transcutaneous electrical nerve stimulator. 4,803,986, 2-14-89, Cl. 128-385.000.
Duft, Thomas L.: *See—*
    Frankel, Robert D.; Martin, Marc J.; Baker, David G.; and Duft, Thomas L., 4,870,668, Cl. 378-34.000.
Dugan, Daniel W. Microphone mixer with gain limiting and proportional limiting. 4,864,627, 9-5-89, Cl. 381-108.000.
Dugan, Larry M., to Adolph Coors Company. Can filling system. 4,798,234, 1-17-89, Cl. 141-165.000.
Dugan, Larry M., to Adolph Coors Company. System for controlling the movement of filled and sealed containers. 4,860,520, 8-29-89, Cl. 53-287.000.
Dugan, Larry M., to Adolph Coors Company. Apparatus for detecting and ejecting bent crowns. 4,889,243, 12-26-89, Cl. 209-626.000.
Dugan, Michael T.: *See—*
    Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
Dugan, Regina E., to United States of America, National Aeronautics and Space Administration. System for venting gas from a liquid storage tank. 4,846,854, 7-11-89, Cl. 55-46.000.
Dugan, Thomas J. Lock for sliding door assembly. 4,824,153, 4-25-89, Cl. 292-262.000.
Dugan, William P.; and Johnson, Marvin R., to General Dynamics Corporation/Pomona Division. Electroformed chemically milled probes for chip testing. 4,878,294, 11-7-89, Cl. 29-852.000.
Dugan, William P., Samudrala, Rama P., and Rivas, Grace A., to General Dynamics Corporation/Pomona Division. Electroformed and chemical milled bumped tape process. 4,878,990, 11-7-89, Cl. 156-630.000.
Du Gardin, Gilles: *See—*
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Dugas, Theodore F. Blade pick and well cleaner. 4,805,250, 2-21-89, Cl. 7-118.000.
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    Tangari, Celia M.; Dugast, Alain; and Abriou, Daniel, 4,887,791, Cl. 249-115.000.
Dugdale, Marion: *See—*
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Duggan, Charles M. Headband structure. 4,852,189, 8-1-89, Cl. 2-452.000.
Duggan, John A.; and Gombas, Robert P., to Universal-Rundle Corporation. Shower door assembly. 4,811,520, 3-14-89, Cl. 49-409.000.
Duggan, Mark; and Hartman, George D., to Merck & Co., Inc. Novel HMG-CoA reductase inhibitors. 4,857,546, 8-15-89, Cl. 514-460.000.
Duggan, Mark E., to Merck & Co., Inc. Process for the preparation of 5′-oxa, 5′-thia, 5′-aza HMG-CoA reductase inhibitors. 4,873,345, 10-10-89, Cl. 549-214.000.
Duggan, Peter J.: *See—*
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Duggan, Robert J. Multiport/multidrop computer communications. 4,858,230, 8-15-89, Cl. 370-85.000.
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Dugge, Richard H., to ACF Industries, Inc. Internal drainage system for hollow member structural assembly and method. 4,867,073, 9-19-89, Cl. 105-358.000.
Dugge, Richard H., to ACF Industries, Incorporated. Hard gasket for retrofit installation on hopper outlet/hopper gasket outlet. 4,884,723, 12-5-89, Cl. 222-542.000.
Dugger, Ben A. Deburring drill bit. 4,842,451, 6-27-89, Cl. 408-21.000.
Dugger, Joe K.: *See—*
    Stanfill, Ted M.; and Dugger, Joe K., 4,856,678, Cl. 222-108.000.
Dugger, William D. Power case trimmer. 4,813,827, 3-21-89, Cl. 408-211.000.
Duggins, Kathleen S.: *See—*
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Dugot, Richard S.: *See—*
    Levitt, Harry; Dugot, Richard S.; and Kopper, Kenneth W., 4,879,749, Cl. 381-68.400.
DuGrenier, Robert, and Kuluris, Maria. Cosmetic package with stacked rotatable trays. 4,815,483, 3-28-89, Cl. 132-295.000.
Dugrot, Felipe. Shaving razor cleaner. 4,838,949, 6-13-89, Cl. 134-32.000.
Duhame, Dean C.: *See—*
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Duhamel, Lucette; and Duhamel, Pierre, to Rhone-Poulenc Sante. 1,3,5-nonatriene derivatives, their preparation and their use. 4,876,370, 10-24-89, Cl. 549-455.000.
Duhamel, Pierre. Discrete cosine transformer. 4,797,847, 1-10-89, Cl. 364-725.000.
Duhamel, Pierre. Device for computing a digital transform of a signal. 4,831,574, 5-16-89, Cl. 364-725.000.
Duhamel, Pierre: *See—*
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Duhamel, Raymond C.: *See—*
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Duhault, Jacques: *See—*
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Duhl, David N.; and Schwizer, Frederick A., to United Technologies Corporation. Minor element additions to single crystals for improved oxidation resistance. 4,801,513, 1-31-89, Cl. 428-678.000.

Duhl, David N.; and Chin, Stephen, to United Technologies Corporation. Nickel base superalloys having low chromium and cobalt contents. 4,888,069, 12-19-89, Cl. 148-404.000.

Duhot, Denis: *See—*
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Duhrkoop, Jens, to Voest-Alpine Aktiengesellschaft. Device for detecting the spatial orientation of excessively heated points. 4,853,541, 8-1-89, Cl. 250-347.000.

Duhrkoop, Jens, to Voest-Alpine Aktiengesellschaft. Device for detecting excessively heated wheel bearings and/or wheel tires. 4,878,761, 11-7-89, Cl. 374-124.000.

Duijvestijn, Adrianus J.: *See—*
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Duimel, Johannes J., to Huka Developments B.V. Joystick control unit using multiple substrates. 4,879,556, 11-7-89, Cl. 341-20.000.

Duinker, Hendrik; and Bijl, Hugo, to Duphar International Research B.V. Method of preparing tablets with clovoxamine fumarate and tablets thus prepared. 4,844,908, 7-4-89, Cl. 424-474.000.

Duinker, Simon, to B. V. Optische Industrie "De Oude Delft" . Piezoelectric attenuation tongue system for slit radiography equipment. 4,890,312, 12-26-89, Cl. 378-146.000.

Duinmaijer, Adrianus C. J.: *See—*
Pelgrom, Marcellinus J. M.; and Duinmaijer, Adrianus C. J., 4,872,011, Cl. 341-150.000.

Duis, Wilhelm, to J. D. Moller Optische Werke GmbH. Optical sensor arrangement. 4,798,966, 1-17-89, Cl. 250-578.000.

Duisberg, Robert A., to Tektronix, Inc. System for animating program operation and displaying time-based relationships. 4,821,220, 4-11-89, Cl. 364-578.000.

Duisters, Dionysius J.: *See—*
Coehoorn, Reinder; and Duisters, Dionysius J., 4,810,309, Cl. 148-302.000.

Duisters, Josephus P. H. M.: *See—*
Pet, Robert J.; van den Nieuwenhof, Martin M. C. I.; and Duisters, Josephus P. H. M., 4,795,588, Cl. 252-301.40R.

Duivelaar, Machiel N., to De Roode, Willy. Process for rendering harmless dangerous chemical waste. 4,855,082, 8-8-89, Cl. 252-629.000.

Dujardin Montbard Somenor: *See—*
Jude, Daniel; and Stull, James T., 4,883,369, Cl. 384-476.000.

Dujardin Montbard Somenor Z. I. Lille-Seclin: *See—*
Chielens, Alain, 4,815,519, Cl. 164-441.000.

Dujardin, Ralf; and Ebert, Wolfgang, to Bayer Aktiengesellschaft. Process for the production of monomeric alkenylphenols from dihydroxydiphenylalkanes. 4,873,376, 10-10-89, Cl. 568-806.000.

Dujardin, Ralf; Ebert, Wolfgang; Meyer, Rolf-Volker; Berg, Klaus; Grigo, Ulrich; and Wehnert, Wolfgang, to Bayer Aktiengesellschaft. Vinyl copolymers with grafted-on polycarbonate chains, their production and use. 4,874,816, 10-17-89, Cl. 525-146.000.

Dujari, Vineet; Syrimis, Nicos S.; and Gray, Douglas G., to Advanced Micro Devices, Inc. Defect skipping mechanism for disk drives. 4,811,124, 3-7-89, Cl. 360-49.000.

Dukane Corporation: *See—*
Morankar, Sudhakar D.; Esguerra, Hermando; Kerevel, Patrice; and Hilgart, Michael J., 4,838,639, Cl. 350-96.200.

Duke, Colin C.; and Wells, Robert J., to Sherwin-Williams Company, The. Process for the resolution of racemates using lactone esters. 4,855,446, 8-8-89, Cl. 548-444.000.

Duke, Henry. Hunter's portable arm rest. 4,844,390, 7-4-89, Cl. 248-118.000.

Duke, James D., to Aluminum Company of America. Method of forming a pilferproof closure. 4,823,537, 4-25-89, Cl. 53-488.000.

Duke, John H. Rowing machine. 4,846,460, 7-11-89, Cl. 272-72.000.

Duke, John H. Rowing machine. 4,884,800, 12-5-89, Cl. 272-72.000.

Duke, Paul L.: *See—*
Anderson, John N.; Marshall, Edward C.; Stoney, Arthur; Tulloch, William; and Duke, Paul L., 4,813,723, Cl. 292-336.300.

Duke, Robert L. RV sewage line assembly. 4,844,121, 7-4-89, Cl. 137-615.000.

Duke, Roger S. Fish retrieving tool. 4,854,626, 8-8-89, Cl. 294-19.100.

Duke, Ronald J.; and Beery, Jack, to Mead Corporation, The. Apparatus and method for controlling tension in a movable web. 4,889,293, 12-26-89, Cl. 242-75.510.

Duke University: *See—*
Bell, Robert M.; Loomis, Carson; and Hannun, Yusuf, 4,816,450, Cl. 514-25.000.
Breiner, Steven J.; and Lochmuller, Charles H., 4,834,862, Cl. 204-301.000.
Cocks, Franklin H.; and Gettliffe, Roland, 4,821,301, Cl. 378-70.000.
Cocks, Franklin H.; and Akers, Scott R., 4,825,851, Cl. 128-24.00A.
Dobbins, James T., III, 4,868,857, Cl. 378-99.000.
Goesele, Ulrich M.; and Stengl, Reinhard J., 4,883,215, Cl. 228-116.000.
Joines, William T.; Zhang, Yang; and Oleson, James R., 4,817,635, Cl. 128-804.000.
Riederer, Stephen J., 4,830,012, Cl. 128-653.000.
Schiffman, Susan, 4,826,824, Cl. 514-47.000.
Snyderman, Ralph D.; and Cianciolo, George J., 4,822,606, Cl. 424-88.000.
Wilson, James F.; George, Rhett T., Jr.; and Chen, Zhenha 4,876,944, Cl. 91-35.000.

Dukes, Inc.: *See—*
Patrick, Laughlin B., 4,830,576, Cl. 417-45.000.

Dukovic, Adam: *See—*
Campbell, Jonathan L., 4,831,627, Cl. 372-37.000.

DuLac, Keith B.; and Weber, Bret S., to NCR Corporation. Method and apparatus for controlling data transfers through multiple buffers 4,843,544, 6-27-89, Cl. 364-200.000.

DuLac, Keith B.; and Gates, Dennis E., to NCR Corporation. Digital data bus architecture for computer disk drive controller. 4,866,601, 9-12-89, Cl. 364-200.000.

DuLac, Keith B.: *See—*
Gates, Dennis E.; and DuLac, Keith B., 4,870,616, Cl. 365-189.050.

Dulaff, Paul G.; and McGraw, C. Eugene, to Dictaphone Corporation Pinch roller drive engagement mechanism for a communications monitor and logger. 4,873,592, 10-10-89, Cl. 360-90.000.

Dulaff, Paul G.: *See—*
Hoover, John W.; Rutkowski, Richard G.; and Dulaff, Paul G. 4,870,516, Cl. 360-96.300.

Dulak, Michael P.; and Zecchino, Julius R., to Avon Products, Inc Anhydrous cosmetic preparation. 4,888,363, 12-19-89 Cl 514-725.000.

Dulaney, Eugene L.: *See—*
Burg, Richard W.; Dulaney, Eugene L.; Hensens, Otto D.; Liesch, Jerrold M.; Ondeyka, John G.; and Wichmann, Carol F. 4,871,727, Cl. 514-179.000.

Dulaney, Randi L.: *See—*
DeLuca, Joan S.; and Dulaney, Randi L., 4,860,005, Cl 340-825.440.

Dulce, Hans-Joachim; and Stumpf, Werner, to Dr. Madaus & Co Nephro-urological medicament. 4,849,452, 7-18-89, Cl. 514-562.000.

Dulebohn, David H.; and Ackland, David J., to Andrew Tool Company. Gripping device and locking mechanism for use therewith 4,823,792, 4-25-89, Cl. 128-321.000.

Dulevo S.p.A.: *See—*
Sergio, Zoni, 4,862,548, Cl. 15-49.00R.
Zoni, Sergio, 4,884,313, Cl. 15-340.300.

Duley, Richard K., to Sarasota Automation Limited. Environmental tracking in inductance loop vehicle detection systems. 4,862,162, 8-29-89, Cl. 340-938.000.

Duley, Walter W.; and Kinsman, Grant. Means of enhancing laser processing efficiency of metals. 4,857,699, 8-15-89, Cl. 219-121.850.

Duley, Walter W.; and Kinsman, Grant. Means of enhancing laser processing efficiency of metals. 4,877,939, 10-31-89, Cl. 219-121.760.

Duley, Walter W.; and Kinsman, Grant. Means of enhancing laser processing efficiency of metals. 4,879,449, 11-7-89, Cl. 219-121.600.

Dulhunty, Philip W., to Dumison Marine Pty. Ltd. Anchor. 4,831,952, 5-23-89, Cl. 114-309.000.

Dulik, Mark D.: *See—*
Bean, Samuel L.; Dulik, Mark D.; and Monopoli, Peter A. 4,795,476, Cl. 8-107.000.
Bean, Samuel L.; Dulik, Mark D.; and Wilson, Robert J., 4,844,880, Cl. 423-519.000.

Dulin, Thomas G.; Bass, Eric; and Babyak, Richard M., to Therapeutic Systems, Inc. Buoyant support apparatus and system for use in exercising. 4,840,591, 6-20-89, Cl. 441-106.000.

Dulis, Edward J.; Dorsch, Carl J.; and Stasko, William, to Crucible Materials Corporation. Powder metallurgy high speed tool steel article and method of manufacture. 4,839,139, 6-13-89, Cl. 419-35.000.

Dulis, Edward J.; Dorsch, Carl J.; and Stasko, William, to Crucible Materials Corporation. Powder metallurgy high speed tool steel article and method of manufacture. 4,880,460, 11-14-89, Cl 75-236.000.

Dull, Benjamin C. W.: *See—*
Van Der Ploeg, Arie; Van Wechem, Gustaaf L.; and Dull, Benjamin C. W., 4,834,053, Cl. 123-549.000.

Dull, Carl: *See—*
Scott, William A.; and Dull, Carl, 4,820,454, Cl. 261-64.400.

Dull, Dennis C., to General Motors Corporation. Damping assembly for a torque converter clutch. 4,889,012, 12-26-89, Cl. 74-730.000.

Dull, Dennis C.: *See—*
Roth, William H.; and Dull, Dennis C., 4,856,638, Cl. 192-106.100.

Dull, Thomas J.; Riedel, Heimo; and Ullrich, Axel, to Genentech, Inc Novel receptors for efficient determination of ligands and their antagonists or agonists. 4,859,609, 8-22-89, Cl. 436-501.000.

Dullabaun, Paul W.: *See—*
Bayer, John W.; Dullabaun, Paul W.; and Swierczek, Zbigniew 4,863,030, Cl. 206-427.000.

Dullinger, Emil J. Skinning knife. 4,821,416, 4-18-89, Cl. 30-294.000.

Duma AB: *See—*
Sondal, Sven, 4,860,907, Cl. 215-230.000.

Dumain, Andre; and Raufast, Charles, to BP Chemicals Limited. Process for gas phase polymerization of olefins in a fluidized bed reactor 4,882,400, 11-21-89, Cl. 526-88.000.

Dumais, Arthur: *See—*
Koski, Richard D.; Kosco, William C.; and Dumais, Arthur, 4,839,590, Cl. 324-208.000.

Dumais, Gaetan R.: *See—*
Dumais, Marcel L.; and Dumais, Gaetan R., 4,828,098, Cl 194-235.000.

Dumais, Marcel L.; and Dumais, Gaetan R. Coin operated lock for ski rack. 4,828,098, 5-9-89, Cl. 194-235.000.

Dumais, Susan T.: *See—*
Deerwester, Scott C.; Dumais, Susan T.; Furnas, George W.; Harshman, Richard A.; Landauer, Thomas K.; Lochbaum, Karen E.; and Streeter, Lynn A., 4,839,853, Cl. 364-900.000.

Dumas, Christopher C.: *See—*
Genovese, Carmen E.; Patch, David B.; Westerfield, David A.; Gross, John T.; and Dumas, Christopher C., 4,825,852, Cl. 128-25.00R.

Dumas, Daniel: *See—*
Tournereau, Alain; Richard, Alain; Dumas, Daniel; and Egea, Guy, 4,807,956, Cl. 350-96.200.

Dumas, Donald J., to Du Pont de Nemours, E. I., and Company. Herbicidal ortho-sulfonamide benzenesulfonylureas. 4,802,906, 2-7-89, Cl. 71-92.000.

Dumas, Donald J.; and Moon, Marcus P., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,878,937, 11-7-89, Cl. 71-90.000.

Dumas, Jean-Claude; Thoraval, Maurice; and Genuit, Gerard, to Alsthom. Device for ventilating rheostats and/or fluid radiators in a locomotive. 4,840,221, 6-20-89, Cl. 165-41.000.

Dumas, Jean-Claude; and Van Hemelryck, Alain, to Societe Anonyme dite: Alsthom. Feed circuit for railway braking systems. 4,850,652, 7-25-89, Cl. 303-12.000.

Dumas, Jean-Louis F., to Hermes. Safety locking device for an article, in particular luggage, and an installation including said device. 4,813,253, 3-21-89, Cl. 70-69.000.

Dumas, Jeanne: *See—*
Martani, Rosa; Le Huede, Elisabeth; and Dumas, Jeanne, 4,834,965, Cl. 424-488.000.

Dumas, Sylvie, to Reckitt & Colman S.A. Non-flammable air freshener composition. 4,810,690, 3-7-89, Cl. 512-02.000.

Dumas, William V.: *See—*
Foust, Donald F.; Dumas, William V.; Lamby, Edward J.; and Karas, Bradley R., 4,842,946, Cl. 428-458.000.
Foust, Donald F.; Lamby, Edward J.; Karas, Bradley R.; Dumas, William V.; and Jerabek, Elihu C., 4,873,136, Cl. 428-209.000.
Karas, Bradley R.; Foust, Donald F.; and Dumas, William V., 4,874,635, Cl. 427-96.000.

Dumbaugh, George D., to Kinergy Corporation. Vibratory type storage bin arrangement with low profile bottom and rectilinear discharge chute characteristics. 4,844,289, 7-4-89, Cl. 222-161.000.

Dumbaugh, William H., Jr., to Corning Glass Works. Substrate glass for liquid crystal displays. 4,824,808, 4-25-89, Cl. 501-66.000.

Dumbaugh, William H., Jr.; and Hagy, Henry E., to Corning Incorporated. Glasses exhibiting low thermal coefficients of elasticity. 4,855,260, 8-8-89, Cl. 501-66.000.

Dumbaugh, William H., Jr.: *See—*
Coppola, Frank; Dumbaugh, William H., Jr.; and Ryszytiwskyj, William P., 4,880,453, Cl. 65-23.000.

Dumbauld, Lewis D.; and Tash, Gilbert L., to Texscan Corporation. Addressable subscriber cable television system. 4,823,386, 4-18-89, Cl. 380-13.000.

Dumbeck, Richard F.; and Samuelson, Mark L., to Dumbeck, Richard F. Decorative protective hoods for water dispensers. 4,834,250, 5-30-89, Cl. 215-100.00R.

Dumbeck, Robert F. Radon detector. 4,868,546, 9-19-89, Cl 340-632.000.

Dumbleton, John H.: *See—*
Wang, Kathy K.; Gustavson, Larry J.; and Dumbleton, John H., 4,857,269, Cl. 420-417.000.

Dumbroski and Hanson Industrial Designs, Inc.: *See—*
Dombroski, Earl L., 4,807,295, Cl. 381-194.000.

Dumbser, Gerhard, to Fichtel & Sachs AG. Digital indicating instrument for a physical training device. 4,832,332, 5-23-89, Cl. 272-72.000.

Dumbser, Gerhard; Fey, Rainer; and Nurnberger, Gunter, to Sachs-Huret S.A. Releasably mounted instrument assembly for a bicycle having elastomeric electrical contacts. 4,835,468, 5-30-89, Cl. 324-166.000.

Dumbser, Gerhard: *See—*
Fey, Rainer; Look, Gunter; and Dumbser, Gerhard, 4,862,395, Cl. 364-561.000.

Dumesnil, Alain; and Perreaut, Jean-Marc, to Videocolor. Magnetic deflector for trichromatic tube with shield and method to set this deflector. 4,839,568, 6-13-89, Cl. 315-368.000.

Dumesnil, Patrice: *See—*
Dupoy, Marc; Dumesnil, Patrice; Mongault, Jacques; and Carisey, Camille, 4,818,871, Cl. 250-308.000.

Dumesire, Alex C., II, to Western Atlas International, Inc. Latching mechanism. 4,879,719, 11-7-89, Cl. 367-20.000.

Dumican, Barry L.; Kaganov, Alan L.; and Ritter, Thomas A., to American Cyanamid Company. Method of using a surgical repair mesh. 4,838,884, 6-13-89, Cl. 604-364.000.

Dumican, Barry L., to American Cyanamid Company. Partially absorbable prosthetic tubular article having an external support. 4,871,365, 10-3-89, Cl. 623-11.000.

Duminy-Kovarik, Isabelle Y., to Circle Chemical Company, Inc. Testing system. 4,812,249, 3-14-89, Cl. 252-62.520.

Dumison Marine Pty. Ltd.: *See—*
Dulhunty, Philip W., 4,831,952, Cl. 114-309.000.

Dumler, James M.: *See—*
Gaggar, Satish K.; Dumler, James M.; and Cleveland, Thomas B., 4,857,590, Cl. 525-64.000.

Dummer, Gerhard; Haselwarter, Klaus; Klaus, Hermann; Schmidhammer, Ludwig; and Strasser, Rudolf, to Wacker-Chemie GmbH. Heat recovery in production of vinyl chloride by pyrolysis of dichloroethane. 4,822,932, 4-18-89, Cl. 570-226.000.

Dummer, Gerhard: *See—*
Schmidhammer, Ludwig; Dummer, Gerhard; Hirschmann, Peter; Strasser, Rudolf; and Haunberger, Franz, 4,839,153, Cl 423-488.000.

Dummermuth, Ernst H.; Morris, David J.; and Korba, Michael F., to Allen-Bradley Company, Inc. Encoder and resolver signal processing circuit. 4,831,510, 5-16-89, Cl. 364-167.010.

Dumonceaux, Gary W.; Weber, Edwin R.; and Gibbs, James D. Floatable baby carrier. 4,798,551, 1-17-89, Cl. 441-130.000.

Dumont, Christian: *See—*
Ostermann, Friedrich; Dumont, Christian; Balbach, Rainer; and Sollner, Gerhard, 4,886,713, Cl. 428-687.000.

Dumont, Daniel: *See—*
St-Jean, Guy; Hamel, Andre; Bourdages, Michel; and Dumont, Daniel, 4,827,370, Cl. 361-127.000.

Dumont, Marc. Apparatus for injecting a fluid into a network. 4,838,297, 6-13-89, Cl. 137-99.000.

Dumoulin, Charles L., to General Electric Company. Multiple-echo, multiple-view NMR angiography. 4,796,635, 1-10-89, Cl. 128-653.000.

Dumoulin, Charles L.; and Souza, Steven P., to General Electric Company. Rapid-scan NMR angiography. 4,800,889, 1-31-89, Cl. 128-653.000.

Dumoulin, Charles L.: *See—*
Cline, Harvey E.; and Dumoulin, Charles L., 4,849,697, Cl. 324-306.000.

Dumoulin, Jacques, to Primaxis Corporation. Method for making an epicyclic speed reducer with two stage integral rotor. 4,838,741, 6-13-89, Cl. 409-131.000.

Dumoulin, Jean-Louis: *See—*
Grosfilley, Jean-Pierre; and Dumoulin, Jean-Louis, 4,844,641, Cl. 401-176.000.

Dumoulin, Patrick; and Recalt, Hugues, to Anciens Etablissements Warin Fils BWF. Riding saddle and method of manufacture. 4,860,524, 8-29-89, Cl. 54-44.000.

Dumousseau, Jean-Yves: *See—*
Chane-Ching, Jean-Yves; and Dumousseau, Jean-Yves, 4,822,580, Cl. 423-293.000.

Dunand, Josiane, to Salomon S.A. Linkage device between a cross-country ski and a boot. 4,801,154, 1-31-89, Cl. 280-615.000.

Dunand, Josiane, to Salomon S.A. Ski binding having a central longitudinal rib and longitudinal tongues. 4,844,503, 7-4-89, Cl. 280-615.000.

Dunand, Josiane; Arnule, Paul; and Gasquet, Denis, to Salomon S.A. Apparatus for the retention of a boot on a ski. 4,856,807, 8-15-89, Cl. 280-615.000.

Dunavan, David S.; and Babish, Richard, to Perkin-Elmer Corporation, The. Optical direction of arrival sensor with cylindrical lens. 4,806,747, 2-21-89, Cl. 250-203.00R.

Dunavan, David S.; Abreu, Rene; Messelt, Stephen; and Siebert, Edward, to Perkin-Elmer Corporation, The. Optical direction sensor having gray code mask spaced from a plurality of interdigitated detectors. 4,857,721, 8-15-89, Cl. 250-203.00R.

Dunaway, James T., Jr.; and Pater, John T. Workpiece guide for use with table saws. 4,817,482, 4-4-89, Cl. 83-438.000.

Dunaway, Jason K.: *See—*
O'Neill, Robert M.; and Dunaway, Jason K., 4,805,730, Cl. 181-148.000.

Dunaway, Weyman H.; and Salinas, Jorge E., to E.C.C. America Inc. Process for surface treating clay minerals and reactive intermediates produced by said process. 4,798,630, 1-17-89, Cl. 106-287.100.

Dunaway, Weyman H.: *See—*
Jones, J. Philip E.; Salinas, Jorge E.; Geho, Keryn N.; Dunaway, Weyman H.; and Raythatha, Rasik H., 4,851,048, Cl. 106-446.000.

Dunbar, F. Curtiss: *See—*
Kilbane, Farrell M.; and Dunbar, F. Curtiss, 4,797,329, Cl. 428-623.000.

Dunbar, Frank C.: *See—*
Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C.; and Gibson, Alan F., 4,800,135, Cl. 428-653.000.
Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C., and Gibson, Alan F., 4,883,723, Cl. 428-653.000.

Dunbar, James C. Fish lure. 4,837,967, 6-13-89, Cl. 43-42.090.

Dunbar, John A., to Atlantic Richfield Company. Shared sub-array marine seismic source system. 4,868,793, 9-19-89, Cl. 367-16.000.

Dunbar, John H.; and Atkinson, Edward B., to Raychem Limited. Sensor array. 4,795,998, 1-3-89, Cl. 338-5.000.

Dunbar, Joseph E., to Dow Chemical Company, The. Sulfonylurea compounds for inhibiting bolting in sugar beets. 4,830,663, 5-16-89, Cl. 71-92.000.

Dunbar, Robert A., to Pyrotector, Inc. Wet bench flame and droplet detector. 4,820,931, 4-11-89, Cl. 250-554.000.

Dunbar-Wolfe Printing Company: *See—*
Haag, Robert A.; Ney, Leonard L., Jr.; and Marcucci, Lambert J., 4,850,525, Cl. 229-73.000.

Dunbarton Corporation: *See—*
Rentschler, William J., 4,813,204, Cl. 52-217.000.

Dunbobbin, Brian R.: *See—*
Carlin, Richard T.; and Dunbobbin, Brian R., 4,800,070, Cl. 423-210.500.

Duncan, Alexander: *See—*
Hunter, Robert L.; and Duncan, Alexander, 4,801,452, Cl. 424-94.630.
Hunter, Robert L.; and Duncan, Alexander, 4,837,014, Cl. 424-78.000.
Hunter, Robert L.; and Duncan, Alexander, 4,873,083, Cl. 424-83.000.

- Duncan, Alexander W. S., to BP Chemicals Limited. Preparations of polymer polyols. 4,810,750, 3-7-89, Cl. 524-761.000.
- Duncan, Charles S.; and Piotrowski, Paul A., to United States of America, Energy. Apparatus for silicon web growth of higher output and improved growth stability. 4,828,808, 5-9-89, Cl. 422-249.000.
- Duncan, Damon H.; and Goettsche, Randy P., to Honeywell, Inc. Two axis rate gyro apparatus. 4,848,169, 7-18-89, Cl. 74-5.00F.
- Duncan, David J.: *See—*
  - Cavitt, Michael B.; and Duncan, David J., 4,837,248, Cl. 523-172.000.
  - Cavitt, Michael B.; and Duncan, David J., 4,876,295, Cl. 523-172.000.
- Duncan, David S., to Wilkinson Sword Limited. Razor blade assembly and its method of manufacture. 4,852,254, 8-1-89, Cl. 30-50.000.
- Duncan, David S., to Wilkinson Sword Limited. Razor blade assembly. 4,860,449, 8-29-89, Cl. 30-47.000.
- Duncan, Donald A.; and Tripp, Jeffrey B., to Key Concepts, Inc. Capacitive pressure-sensing method and apparatus. 4,852,443, 8-1-89, Cl. 84-1.040.
- Duncan, Edward H., to Sullivan, Daniel A., Jr., a part interest. Toggle bolt installation, hardware, and manufacture. 4,883,398, 11-28-89, Cl. 411-344.000.
- Duncan, Gary L., to Mobil Oil Corporation. Process of applying a silicone release coating to an oriented polymer film. 4,839,123, 6-13-89, Cl. 264-22.000.
- Duncan, Gerald D., to Fisher & Paykel Limited. Electronic motor controls, laundry machines including such controls and/or methods of operating such controls. 4,857,814, 8-15-89, Cl. 318-281.000.
- Duncan, Gerald D.: *See—*
  - Smith, Dennis E.; Williams, John J. A.; Duncan, Gerald D.; Thomas, Graeme D.; Borrows, John G.; and Shacklock, Frank W., 4,813,248, Cl. 68-23.700.
  - Smith, Dennis E.; Williams, John J. A.; Duncan, Gerald D.; Thomas, Graeme D.; Borrows, John G.; and Shacklock, Frank W., 4,853,57 , Cl. 310-90.000.
- Duncan, Howard C., IV; Gray, R. William; and Battista, Joseph P., to Smith Corona Corporation. Word processor having spelling corrector adaptive to operator error experience. 4,797,855, 1-10-89, Cl. 364-900.000.
- Duncan, Howard C., IV; Adams, Donald T.; and Gray, R. William, to Smith Corona Corporation. Dictionary memory with visual scanning from a selectable starting point. 4,807,181, 2-21-89, Cl. 364-900.000.
- Duncan, Ian J., to Morningfield Limited. Cleaning vehicles. 4,831,684, 5-23-89, Cl. 15-340.100.
- Duncan Industries Parking Control Systems Corp.: *See—*
  - Van Horn, John W.; and Johnson, Clyde, 4,880,406, Cl. 464-38.000.
- Duncan, J. Robert: *See—*
  - Bundle, David R.; Perry, Malcolm B., Cherwonogrodzky, John W.; Duncan, J. Robert; and Caroff, Martine G., 4,831,126, Cl. 536-53.000.
- Duncan, James E., to Du Pont de Nemours, E. I., and Company. Apparatus for heating yarn. 4,880,961, 11-14-89, Cl. 219-388.000.
- Duncan, John K., to Corning Glass Works. Microwaveable/stovetop cooking utensil. 4,868,360, 9-19-89, Cl. 219-10.55E.
- Duncan, Karen. Self-supporting ear protector. 4,872,219, 10-10-89, Cl. 2-209.000.
- Duncan, Matthew F.: *See—*
  - Patton, Douglas M.; and Duncan, Matthew F., 4,834,094, Cl. 128-303.00R.
  - Patton, Douglas M.; and Duncan, Matthew F., 4,836,201, Cl. 128-303.00R.
- Duncan, Michael D.: *See—*
  - Rogers, Roxanne R.; Kirby, Steven B.; Simon, Theodore, and Matthiesen, Sharon, 4,882,494, Cl. 250-363.090.
- Duncan, Michael J. Machinist's clamp. 4,836,519, 6-6-89, Cl. 269-91.000.
- Duncan Products Limited: *See—*
  - Tong, Duncan, 4,832,650, Cl. 446-156.000.
- Duncan, Richard C., to Allanson, Division of Jannock Limited. Current supplying device. 4,876,496, 10-24-89, Cl. 320-31.000.
- Duncan, Richard L.: *See—*
  - Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607 Cl. 364-422.000.
- Duncan, Robert, to Aardee Spring & Lock Co., Ltd. Keyless lock. 4,799,371, 1-24-89, Cl. 70-214.000.
- Duncan, Robert, to Westinghouse Electric Corp. Workpiece handling assembly. 4,825,032, 4-25-89 Cl. 219-121.630.
- Duncan, Robert; and Craver, James E., to Westinghouse Electric Corp. Nuclear fuel grid outer strap. 4,873,051, 10-10-89, Cl. 376-438.000.
- Duncan, Robert: *See—*
  - Boatwright, David A.; Duncan, Robert; and Klapper, Kenneth K., 4,837,419, Cl. 219-125.110.
  - Yeo, Denis; Duncan, Robert; and Klapper, Kenneth K., 4,845,331, Cl. 219-72.000.
- Duncan, Robert J.; and McLean, Jean A., to Emhart Industries, Inc. Lead sense system for component insertion machine. 4,862,510, 8-29-89, Cl. 382-8.000.
- Duncan, Robert J.: *See—*
  - McLean, Jean A.; and Duncan, Robert J., 4,799,268, Cl. 382-8.000.
- Duncan, Ronnie J., to Remco Research and Development, Inc. Straining and stop valve. 4,806,258, 2-21-89, Cl. 210-423.000.
- Duncan, Scott M.: *See—*
  - Santos, Alfred J.; Cook, Frederick A., Jr.; Duncan, Scott M.; and Moseley, John, 4,875,785, Cl. 384-448.000.
- Duncan, Terence J. Low level traffic direction pavement marke 4,815,890, 3-28-89, Cl. 404-15.000.
- Duncan, Thomas F.; and Kline, Regis F., to Borden Inc. Viscosit adjustment of ammoniated urea-formaldehyde resin compositions b addition of dried urea-formaldehyde powder. 4,812,366, 3-14-89, C 428-528.000.
- Duncan, Vernon R.: *See—*
  - Barber, John H.; Brown, Curtis L.; Duncan, Vernon R.; Knox, Ca E.; and Owen, Roderick D., 4,821,193, Cl. 364-431.020.
- Duncan, Wayne P., Jr., to Compaq Computer Corporation. Non occluding mounting hole with solder pad for printed circuit boards 4,851,614, 7-25-89, Cl. 174-68.500.
- Duncan, William, to Motorola Inc. Method of packaging. 4,802,32 2-7-89, Cl. 53-444.000.
- Duncan, William M.; Glass, George E.; Johnson, Jeffrey L.; McMillan Edward A.; Maney, Frank S.; McConnell, James R., Jr.; Roberts Kenneth P.; and Sanders, Timothy R., to Square D Company. Modular switch device. 4,870,863, 10-3-89, Cl. 73-431.000.
- Duncan, William P.: *See—*
  - Baranczuk, Richard J.; Spicer, Jay; Duncan, William P.; and Robert, Gary A., 4,855,125, Cl. 424-1.100.
- Duncanson, Jay P.; and Speckenbach, Stephen J., to Hayes Microcomputer Products, Inc. Method and apparatus for connecting ISDN devices over an analog telephone line. 4,884,269, 11-28-89, C 370-110.100.
- Dunchock, Richard S., to Troy Marketing Corporation. Storage rac 4,867,465, 9-19-89, Cl. 280-79.300.
- Duncia, John J. V.: *See—*
  - Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E 4,820,843, Cl. 548-252.000.
  - Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E 4,870,186, Cl. 548-215.000.
  - Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E 4,874,867, Cl. 548-101.000.
  - Carini, David J.; Duncia, John J. V.; and Yoo, Sung-Eu 4,880,804, Cl. 514-234.500.
- Dunckley, Ian: *See—*
  - Carter, David C. M.; Dunckley, Ian; and Lait, Leonard G 4,795,020, Cl. 198-370.000.
- Dunfield, Lawrence G.; and Lok, Kar P., to BASF Aktiengesellschaf Profilometry. 4,888,983, 12-26-89, Cl. 73-104.000.
- Dunford, Joseph R., to Enviroseal Engineering Products Ltd. Se cavity protector. 4,872,690, 10-10-89, Cl. 277-24.000.
- Dungan, Harvey H.: *See—*
  - Whiteley, David C.; Coffey, James B.; Montgomery, Thimothy J. and Dungan, Harvey H., 4,828,156, Cl. 226-1.000.
- Dungs, Horst: *See—*
  - Lorenz, Kurt; Dungs, Horst; Rudel, Manfred; and Kemper, Klaus-Dieter, 4,832,795, Cl. 202-228.000.
- Dunham, Bradford; Hickson, Jerome B., Jr.; and Lewitan, Hirsh, t International Business Machines Corporation. Global wiring b removal of redundant paths. 4,831,725, 5-23-89, Cl. 29-847.000.
- Dunham, Byron J.; Murray, Gary P.; and Bulla, Don A., to Ken Moore Corporation. Ultrasonic hand-held refrigerant leak detect 4,879,546, 11-7-89, Cl. 340-632.000.
- Dunham, Byron J.: *See—*
  - Murray, Gary P.; Lower, Ralph; Dunham, Byron J.; and Bull Don A., 4,798,055, Cl. 62-127.000.
- Dunham, Lawrence A.: *See—*
  - Friend, Alden E.; and Dunham, Lawrence A., 4,887,631, C 137-74.000.
- Dunham, Russell H., to Dunham Tool Co., Inc., The. Externally indexable turret-like device for cutting machines. 4,805,497, 2-21-89, C 82-36.00A.
- Dunham Tool Co., Inc., The: *See—*
  - Dunham, Russell H., 4,805,497, Cl. 82-36.00A.
- Duni Bila AB: *See—*
  - Singheimer, Stig A. R., 4,854,989, Cl. 156-161.000.
- Dunigan, Clay R.: *See—*
  - Evans, Alfred J.; and Dunigan, Clay R., 4,847,953, Cl. 17-35.00
- Dunigan, R. Clay: *See—*
  - Evans, Alfred J.; and Dunigan, R. Clay, 4,887,332, Cl. 17-35.00
- Dunk, Michael P.: *See—*
  - Gilker, Clyde; Dunk, Michael P.; Dolnik, Thomas G.; Dahar Ross S.; and Berezinski, Mark A., 4,847,780, Cl. 364-483.000
- Dunker, Bernard L.: *See—*
  - Moist, Wayne K.; and Dunker, Bernard L., 4,809,798, C 180-19.100.
- Dunkerly, Cedric A., II: *See—*
  - Meyer, Stephen C.; Lance, Roger L.; Hetzler, Connie L.; Dunkerly, Cedric A., II; Roessler, Thomas H.; Zenker, David L. an Sciaraffa, Michael A., 4,798,603, Cl. 604-378.000.
- Dunkers, Karl R. Method and apparatus for filtration using washab filter bag for water and wastewater treatment. 4,842,751, 6-27-89, C 210-798.000.
- Dunkey, Edwin A. W.: *See—*
  - Kenworthy, David M. A.; Bridgstock, Eric; and Dunkey, Edw A. W., 4,797,993, Cl. 29-613.000.
- Dunkle, Richard L.: *See—*
  - Shasha, Baruch S.; and Dunkle, Richard L., 4,859,377, C 264-4.100.
- Dunkley, Kenneth J. Three-dimensional viewing glasses. 4,810,05 3-7-89, Cl. 350-139.000.

- Dunkley, Michael J. W.: *See—*
  - Burchall, James J.; Bushby, Stanley R. M.; Cullen, Robert; Dunkley, Michael J. W.; and Ferone, Robert, 4,795,639, Cl. 514-249.000.
- Dunkley, Michael W.; and Stainton, John E., to Eaton Corporation. Vehicle display for current and allowable gear ratios. 4,800,360, 1-24-89 Cl. 340-52.00R.
- Dunkley, Michael W.; Stainton, John E.; and Dunne, John E., to Eaton Corporation. Semi-automatic mechanical transmission control display and fault indicator. 4,888,577, 12-19-89, Cl. 340-461.000.
- Dunks, Gary B.; Yamada, Akira; Doddi, Namassivaya; and Beard, Charles D., to Iolab Corporation. Vinylsilylalkoxy arylbenzotriazole compounds and UV absorbing compositions made therefrom. 4,803,254, 2-7-89, Cl. 525-477.000.
- Dunlap, David L.: *See—*
  - Hackman, Lloyd E.; Dickson, James; Dunlap, David L.; and Handshey, Mark E., 4,813,472, Cl. 164-463.000.
- Dunlap, Harold E., to Thermo Electron Web Systems, Inc. Doctoring apparatus and method employing prestressed doctor blade. 4,802,928, 2-7-89, Cl. 134-15.000.
- Dunlap, Kenneth L.; Markusch, Peter H.; and Ferrell, Clarence D., to Mobay Corporation. Reduction of free monomer in isocyanate adducts. 4,888,442, 12-19-89, Cl. 560-352.000.
- Dunlap, Kenneth L.: *See—*
  - Slack, William E.; Potter, Terry A.; and Dunlap, Kenneth L., 4,810,820, Cl. 560-27.000.
- Dunlena Pty. Ltd.: *See—*
  - Holan, George; Walser, Reimund A.; and Elmes, Bryan C., 4,849,450, Cl. 514-521.000.
- Dunlop, Alfred E.; and Fishburn, John P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Transistor sizing system for integrated circuits. 4,827,428, 5-2-89, Cl. 364-491.000.
- Dunlop Construction Products Inc.: *See—*
  - Hrysko, Paul W., 4,799,845, Cl. 411-542.000.
- Dunlop France: *See—*
  - Boselli, Alain, 4,796,316, Cl. 5-464.000.
- Dunlop, John A.; and Rensing, Hans, to Cominco Ltd. Method for making tungsten-titanium sputtering targets and product. 4,838,935, 6-13-89, Cl. 75-230.000.
- Dunlop, John A.; Milner, Edward F. G.; Smyth, Robert W.; and Toop, Gerald W., to Cominco Electronic Materials Inc. Method for making low alpha count lead. 4,887,492, 12-19-89, Cl. 75-77.000.
- Dunlop Limited: *See—*
  - Haines, Robert C., 4,874,570, Cl. 264-154.000.
- Dunlop Limited a British Company: *See—*
  - Alaphilippe, Claude, 4,832,317, Cl. 267-64.270
  - Colford, Terence H., 4,858,896, Cl. 267-140.100.
  - Moore, Alan F.; and Poniatowski, Jerzy, 4,826,145, Cl. 267-293.000.
  - Moore, Alan F., 4,838,736, Cl. 405-224.000.
  - Moore, Alan F., 4,846,509, Cl. 285-225.000.
  - Moore, Alan F., 4,875,664, Cl. 267-140.100.
  - Shaw, Michael, 4,877,252, Cl. 273-232.000.
- Dunlop, Vance A.: *See—*
  - Eggiman, J. Michael; and Dunlop, Vance A., 4,878,042, Cl. 340-439.000.
- Dunmon Corporation: *See—*
  - Hutchison, Douglas, 4,829,740, Cl. 52-762.000.
  - Hutchison, Douglas, 4,833,858, Cl. 52-762.000.
- Dunmore, Joseph. Adjustable platform for a rung ladder. 4,800,988, 1-31-89, Cl. 182-103.000.
- Dunn, Adrian, to Exxon Chemical Patents Inc. Marine lubricating composition. 4,842,755, 6-27-89, Cl. 252-32.70E.
- Dunn, Charlton; and Subbaraman, Maria R., to Rockwell International Corporation. Cavitation-resistant inducer. 4,838,759, 6-13-89, Cl. 415-143.000.
- Dunn, Charlton; Bremner, Robert J.; and Meng, Sen Y., to Rockwell International Corporation. Multiple discharge cylindrical pump collector. 4,874,575, 10-17-89, Cl. 376-404.000.
- Dunn-Coleman, Nigel S.; and Michaels, Thomas J., to Monterey Mushrooms, Inc. Composting process for the production of mushroom cultivation substrates. 4,848,026, 7-18-89, Cl. 47-1.100.
- Dunn, David J.; Vano, Patrick P.; Moran, James P., Jr.; Holmes, Mark; and Frauenglass, Elliott, to Loctite Corporation. Process of bonding surfaces employing/anaerobic aluminum filled compositions. 4,855,002, 8-8-89, Cl. 156-307.300.
- Dunn, Douglas S.: *See—*
  - Ouderkirk, Andrew J.; Dunn, Douglas S.; and Warner, Robert W., 4,822,451, Cl. 156-643.000.
  - Ouderkirk, Andrew J.; Dunn, Douglas S.; and Warner, Robert W., 4,879,176, Cl. 428-323.000.
  - Yorkgitis, Elaine M.; Smith, Samuel; Ouderkirk, Andrew J.; and Dunn, Douglas S., 4,868,006, Cl. 427-53.100.
- Dunn, Edmund M.; Kang, Shinhoo; and Wei, George C., to GTE Laboratories Incorporated. Method of bonding a ceramic article to a metal article. 4,883,217, 11-28-89, Cl. 228-122.000.
- Dunn, Edmund M.; Kang, Shinhoo; and Wei, George C., to GTE Laboratories Incorporated. Method of brazing a ceramic article to a metal article. 4,883,218, 11-28-89, Cl. 228-122.000.
- Dunn, Gary D. Weatherized construction site inspection board assembly. 4,821,440, 4-18-89, Cl. 40-642.000.
- Dunn, George D., to Tate Containers, Inc. Collapsible pallet. 4,864,940, 9-12-89, Cl. 108-51.300.
- Dunn, George F., Jr.; Irr, Joseph D.; and Halpern, Lise N., to Du Pont de Nemours, E. I., and Company. Simplified method for the preparation of human lymphokine activated killer cells. 4,808,151, 2-28-89, Cl. 604-6.000.
- Dunn, Glen A., to Cooper Industries, Inc. Fuse construction. 4,888,573, 12-19-89, Cl. 337-164.000.
- Dunn, James J.; Jahn, Martin D.; and Vukmanic, Ronald W., to Chicago Metallic Corporation. Reinforced bead. 4,852,325, 8-1-89, Cl. 52-729.000.
- Dunn, James J., to Chicago Metallic Corporation. Hold down clip. 4,858,408, 8-22-89, Cl. 52-489.000.
- Dunn, James J., to Chicago Metallic Corporation. Drywall furring system. 4,866,900, 9-19-89, Cl. 52-488.000.
- Dunn, James P., to Syntex (U.S.A.) Inc. Aroyl benzofuran and benzothiophene acetic and propionic acids. 4,816,473, 3-28-89, Cl. 514-443.000.
- Dunn, James S.: *See—*
  - Collier, William H.; Fadule, Matthew J.; and Dunn, James S., 4,820,188, Cl. 439-395.000.
- Dunn, John J., to Electrical Equipment, Inc. Flip out fuse assembly. 4,827,374, 5-2-89, Cl. 361-345.000.
- Dunn, John P.; and Bernard, Kathleen P., to North American Philips Corporation. Sheet metal support for dual arc discharge lamps and method of making. 4,868,449, 9-19-89, Cl. 313-25.000.
- Dunn, Joseph, Jr.: *See—*
  - Huang, Leeyuan; Koupal, Lawrence; Dunn, Joseph, Jr.; Liesch, Jerrold M.; Hensens, Otto; and Woodruff, H. Boyd, 4,874,745, Cl. 514-18.000.
- Dunn, Joseph E.; and Pearlman, Jay S., to Maxwell Laboratories, Inc. Apparatus for extending the shelf life of fluid food products. 4,838,154, 6-13-89, Cl. 99-451.000.
- Dunn, Joseph E.; Clark, R. Wayne; Asmus, John F.; Pearlman, Jay S.; Boyer, Keith; Painchaud, Francois; and Hofmann, Gunter A., to Maxwell Laboratories, Inc. Methods for preservation of foodstuffs. 4,871,559, 10-3-89, Cl. 426-248.000.
- Dunn, Larson B., Jr.; Moser, Kenneth B.; and Pai, Panemangalore S., to Staley Continental. Enhanced transfer printability treatment method and composition. 4,795,675, 1-3-89, Cl. 428-260.000.
- Dunn, Larson B., Jr., to A. E. Staley Manufacturing Company. Multiethylenic monomers from glycosides. 4,833,202, 5-23-89, Cl. 525-54.200.
- Dunn, Michael; and Parker, David A., to BP Chemicals Limited. Antimicrobial additives for compound animal foodstuffs. 4,824,686, 4-25-89, Cl. 426-532.000.
- Dunn, Murray R.: *See—*
  - Spivey, Brett A.; Neff, Brian W.; and Dunn, Murray R., 4,883,348, Cl. 350-503.000.
- Dunn, Richard A., Sr. Seating device. 4,824,174, 4-25-89 Cl. 297-453.000.
- Dunn, Richard L.; Gibson, John W.; Eddy, Carlton A.; and Laufe, Leonard E., to Southern Research Institute; and Texas Health Science Center, a part interest. Antithrombotic/thrombolytic suture and methods of making and using the same. 4,841,968, 6-27-89, Cl. 128-335.500.
- Dunn, Richard L.: *See—*
  - English, James P.; McNeely, Gerald W.; and Dunn, Richard L., 4,804,691, Cl. 523-118.000.
- Dunn, Robert A.: *See—*
  - Miller, Scott R.; and Dunn, Robert A., 4,821,922, Cl. 222-77.000.
  - Miller, Scott R.; and Dunn, Robert A., 4,883,200, Cl. 222-77.000.
- Dunn, Robert M., to Cadware Group, Ltd., The. Schematic diagram generating system using library of general purpose interactively selectable graphic primitives to create special applications icons. 4,813,013, 3-14-89, Cl. 364-900.000.
- Dunn, Sam, Jr. Remotely actuated toe nail clipper. 4,847,994, 7-18-89, Cl. 30-28.000.
- Dunn, Stanley M.: *See—*
  - Desjardins, Paul J.; Dunn, Stanley M.; and Milles, Maano, 4,825,263, Cl. 356-376.000.
- Dunn, William C.; and McEntarfer, Philip W., to Motorola, Inc. Power field effect transistor driver circuit for protection from overvoltages. 4,808,839, 2-28-89, Cl. 307-296.400.
- Dunn, William C., to Motorola, Inc. Voltage level conversion circuit. 4,868,415, 9-19-89, Cl. 307-264.000.
- Dunn, William C.: *See—*
  - Soo, David H.; and Dunn, William C. 4,839,769, Cl. 361-84.000.
- Dunnavant, William R.: *See—*
  - Jhaveri, Satish S.; Dunnavant, William R.; and Langer, Heimo J., 4,884,620, Cl. 164-15.000.
  - Shriver, H. Randall; Dunnavant, William R.; and Gruber, Bruce A., 4,876,294, Cl. 523-139.000.
- Dunnayant, William R.: *See—*
  - Gruber, Bruce A.; Langer, Heimo J.; and Dunnayant, William R., 4,847,308, Cl. 523-139.000.
- Dunne, John: *See—*
  - Jenkinson, Margaret; and Dunne, John, 4,872,290, Cl. 51-109.00R.
- Dunne, John E.: *See—*
  - Dunkley, Michael W.; Stainton, John E.; and Dunne, John E., 4,888,577, Cl. 340-461.000.
- Dunnett, Roy V.; Lowe, Arthur C.; and Grigg, Frederick C., to PSC Limited. Security alarm system. 4,866,422, 9-12-89, Cl. 340-539.000.
- Dunnigan, Jacques; and Menard, Hugues, to L'Institut de l'Amiante. Filter for removing cancer causing compounds from exhaust fumes. 4,875,910, 10-24-89, Cl. 55-74.000.
- Dunnigan, Jacques: *See—*
  - Le Van Mao, Raymond; McLaughlin, Gerald P.; Levesque, Pierre; and Dunnigan, Jacques, 4,810,280, Cl. 71-62.000.
- Dunning, Brian; and Mansfield, A. R., to U.S. Protectors, Inc. Enhanced electrical shocking device with improved long life and increased power circuitry. 4,872,084, 10-3-89, Cl. 361-232.000.

- Dunnion, Dermot: *See—*
  - Asghar, Safdar M.; Pyi, Hwa-Sheng; and Dunnion, Dermot, 4,800,517, Cl. 364-757.000.
- Dunogues, Jacques: *See—*
  - Pillot, Jean-Paul; Bacque, Eric; Dunogues, Jacques; Biran, Claude; and Olry, Pierre, 4,806,666, Cl. 556-412.000.
- Dunphy, Gerald F.; and Best, Lance E., to Ogden Industries Pty., Ltd. Door set mounting. 4,854,620, 8-8-89, Cl. 292-337.000.
- Dunphy, James F., to Du Pont de Nemours, E. I., and Company. High impact resistant polyamide. 4,851,473, 7-25-89, Cl. 525-66.000.
- Dunsdon, Anthony J.: *See—*
  - Wilson, Alan D.; Prosser, Havard J.; Dunsdon, Anthony J.; Skinner, John C.; and Brookman, Pauline J., 4,836,768, Cl. 428-323.000.
- Dunseath, W. J. Ross, Jr., to Spring Creek Institute. Dry electrode system for detection of biopotentials and dry electrode for making electrical and mechanical connection to a living body. 4,865,039, 9-12-89, Cl. 128-640.000.
- Dunshee, Wayne K.; and Hames, Sydney B., to Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive coated sheets and tape pad with easily separable tabs. 4,837,062, 6-6-89, Cl. 428-41.000.
- Dunski, Neil; and Bazzi, Ali A., to Mallinckrodt, Inc. Method of making mixed pentaerythritol esters having up to 75 percent thio-containing side chains. 4,806,675, 2-21-89, Cl. 560-75.000.
- Dunsmore, Irvin F.: *See—*
  - Alm, Roger R.; Dunsmore, Irvin F.; and Stern, Richard M., 4,795,764, Cl. 521-107.000.
- Dunsmore, Richard F., to Lockheed Corporation. Composite rivet. 4,861,211, 8-29-89, Cl. 411-501.000.
- Dunsmuir, John H.; Deckman, Harry W.; and McHenry, James A., to Exxon Research and Engineering Company. Method for production of large area 2-dimensional arrays of close packed colloidal particles. 4,801,476, 1-31-89, Cl. 427-430.100.
- Dunstan, Ericson: *See—*
  - Gami, Bipin V.; and Dunstan, Ericson, 4,839,754, Cl. 360-73.010.
- Dunstan, Harvey J.; Harfield, John G.; Knight, Paul; and Podgorney, Harvey J., to Coulter Electronics, Ltd. Method and apparatus for editing particle produced electrical pulses. 4,797,624, 1-10-89, Cl. 328-114.000.
- Dunstan, Lyle A. Heat recovery system. 4,815,290, 3-28-89, Cl. 60-517.000.
- Dunstan, Robert J. Carton pourer attachment. 4,846,369, 7-11-89, Cl. 222-86.000.
- Dunster, Michael; Korchnak, Joseph D.; and Marten, Jerome H., to Davy McKee Corporation. Gas mixer and distributor for reactor. 4,865,820, 9-12-89, Cl. 422-220.000.
- Dunsworth, Ewell E. Portable motorcycle garage. 4,800,701, 1-31-89, Cl. 52-66.000.
- Dunton, Arthur R., to Insulator Seal, Inc. High power radio frequency energy feedthrough for high vacuum vessel. 4,841,098, 6-20-89, Cl. 174-15.300.
- Dunton, Harvey R.; and Rez, Donald H., to Standard Concrete Materials, Inc. Particle wetting process and apparatus. 4,830,505, 5-16-89, Cl. 366-2.000.
- Dunton, Harvey R.; and Rez, Donald H., to Standard Concrete Products, Inc. Apparatus and method to produce foam, and foamed concrete. 4,872,913, 10-10-89, Cl. 106-88.000.
- Dunton, Keith E.: *See—*
  - O'Brien, Kennedy M.; Dunton, Keith E.; Newley, Peter E.; Purser, Michael H.; Isherwood, Jonathan M.; and Tansley, Robert W., 4,807,711, Cl. 177-25.180.
- Dunwald, Willi; Schlegel, Hans; Halpaap, Reinhard; and Pedain, Josef, to Bayer Aktiengesellschaft. Process for the preparation of coatings with hydantoin structures by the reaction of compounds containing carbodiimide groups with unsaturated carboxylic acids. 4,853,261, 8-1-89, Cl. 427-388.100.
- Dunwell, Llewellyn S.; Brown, Richard P.; Peters, Arthur; and Curley, John L., to Honeywell Bull Inc. Segment descriptor present bit recycle and detect logic for a memory management unit. 4,827,400, 5-2-89, Cl. 364-200.000.
- Dunwoodie, Edward H., to Century Aero Products International, Inc. Container and construction therefor. 4,795,047, 1-3-89, Cl. 220-1.500.
- Dunwoodie, Edward H., to Century Aero Products International, Inc. Air cargo container and method for forming side panels thereof. 4,833,771, 5-30-89, Cl. 220-1.500.
- Duo-Fast Corporation: *See—*
  - Austin, Ronald, 4,801,062, Cl. 227-125.000.
  - Austin, Ronald, 4,834,131, Cl. 137-115.000.
  - Rafferty, John P., 4,821,937, Cl. 227-8.000.
- Duoject Medical Systems Inc.: *See—*
  - Reynolds, David L., 4,861,335, Cl. 604-88.000.
  - Reynolds, David L., 4,886,495, Cl. 604-88.000.
- Dupaillon, Jacques: *See—*
  - Prigent, Georges; Besnard, Patrick; and Dupaillon, Jacques, 4,812,946, Cl. 361-150.000.
- Dupain, Jean R.; and Vernet, Christian P., to Societe des Ciments Francais. Apparatus for automatically determining certain characteristics of cement. 4,849,175, 7-18-89, Cl. 422-63.000.
- Du Pau, Cornelis P.: *See—*
  - Hamer, Rene H.; and Du Pau, Cornelis P., 4,864,554, Cl. 369-50.000.
- Dupere, Sherry L.: *See—*
  - O'Connor, Timothy E.; and Dupere, Sherry L., 4,857,314, Cl. 424-85.100.
- Duperon, David N.: *See—*
  - Chapel, Roy W., Jr.; Duperon, David N.; and Meadows, Joseph E. 4,803,457, Cl. 338-195.000.
- Duphar International Research B.V.: *See—*
  - Dolman, Hendrik; and Kuipers, Johannes, 4,889,863, C 514-312.000.
  - Duinker, Hendrik; and Bijl, Hugo, 4,844,908, Cl. 424-474.000.
  - Hartog, Jan; Wouters, Wouter; and van Wijngaarden, Ineke 4,833,142, Cl. 514-254.000.
  - Hartog, Jan; and Mos, Johannes, 4,889,852, Cl. 514-230.500.
  - Kamstra, Paulus R., 4,822,340, Cl. 604-135.000.
  - Mijers, Jan W. M.; and Steenhuisen, Johannes E., 4,798,671, C 210-238.000.
  - Steenhuisen, Johannes E.; and Grotenhuis, Gerrit, 4,801,012, C 206-366.000.
  - van der Wal, Gillis P., 4,820,286, Cl. 604-89.000.
  - Van Wijngaarden, Ineke; Kruse, Cornelis; Van Der Heyden, Johannes A. M.; and Tulp, Martinus T. M., 4,874,770, C 514-326.000.
  - Van Wijngaarden, Ineke; Zwagemakers, Johannes M. A.; and Van Dijk, Jan, 4,889,849, Cl. 514-218.000.
  - Wellinga, Kobus; and Mulder, Rudolf, 4,833,151, Cl. 514-344.0
  - Wellinga, Kobus; and Eussen, Jacobus H. H., 4,854,961, C 71-88.000.
- Dupin, Claude, to Societe d'Exploitation F.F.D.M.-Pneumat. Portable pneumatic machine having embodied control electronics. 4,805,4 2-21-89, Cl. 60-409.000.
- Dupin, Philippe J.: *See—*
  - Ahner, David J.; and Dupin, Philippe J., 4,819,436, Cl. 60-657.0
- Duplessis, Bernard: *See—*
  - Daudin, Philippe; Levy, Pierre-Emmanuel; Aubry, Jean-Yves; Duplessis, Bernard; and Boivent, Marcel, 4,809,2 , Cl. 373-41.00
- Duplessis, Delano A.; and Hogg, Bevil J. Method of molding composite bicycle frames. 4,828,781, 5-9-89, Cl. 264-250.000.
- Duplo Seizo Kabushiki Kaisa: *See—*
  - Kawaguchi, Hiroyuki, 4,864,211, Cl. 318-626.000.
- Duplomatic S.p.A.: *See—*
  - De Bernardi, Franco, 4,799,410, Cl. 82-36.00A.
- Duponcheel, Marc M. L.: *See—*
  - Verbiest, Willem J. A.; and Duponcheel, Marc M. L., 4,852,084, C 370-60.000.
- Dupont, Andre. Load carrying attachment handle with attachment strap. 4,866,813, 9-19-89, Cl. 16-114.00R.
- Dupont, Andre G.: *See—*
  - Dupont, Gaston L.; and Dupont, Andre G., 4,886,139, C 182-146.000.
- Dupont, Andrea C.: *See—*
  - Rzeszotarski, Waclaw J.; Guzewska, Maria E.; Carter, John P. Adams, Theodore C.; Dupont, Andrea C.; and Kaiser, Carl 4,877,779, Cl. 514-63.000.
- du Pont, Benjamin F.; and Sukeforth, Carl J., to Benjamin F. Du Pont Stackable blocks. 4,877,407, 10-31-89, Cl. 434-302.000.
- DuPont Canada Inc.: *See—*
  - Boocock, John R. B., 4,872,880, Cl. 8-513.000.
- DuPont, Charles E., Jr. Braided metal-plastic shoe lace. 4,858,2 8-22-89, Cl. 24-143.00R.
- Dupont, Daniel. Analogue simulator for control circuits, actuated from operating station or cockpit. 4,842,520, 6-27-89, Cl. 434-30.000.
- Dupont, Daniel L. Self-ventilating greenhouse. 4,815,365, 3-28-89, C 98-42.200.
- Du Pont de Nemours, E. I., and Company: *See—*
  - Abbott, Kathleen S.; and Willis, Frank M., 4,826,276, C 350-96.200.
  - Abrams, Lloyd; Corbin, David R.; and Shannon, Robert D. 4,814,503, Cl. 564-474.000.
  - Abrams, Sonja M. J.; and Vervoort, Robert V. A., 4,888,372, C 524-197.000.
  - Abrams, Sonja M. J., 4,888,373, Cl. 524-197.000.
  - Ackerman, Neil R.; Harris, Richard R.; Loveless, Scott E.; and Neubauer, Russel H., 4,861,783, Cl. 514-311.000.
  - Ackerson, Robert C.; and Yuyama, Takeshi, 4,798,621, C 71-90.000.
  - Adamich, Marina; and Wos, Susan M., 4,818,688, Cl. 435-7.000.
  - Aldrich, Donald C.; Buchanan, Robert C.; and Sollinger, John F. 4,846,908, Cl. 156-148.000.
  - Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E. 4,820,843, Cl. 548-252.000.
  - Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E. 4,870,186, Cl. 548-215.000.
  - Aldrich, Paul E.; Duncia, John J. V.; and Pierce, Michael E. 4,874,867, Cl. 548-101.000.
  - Anderson, Albert G.; Eaton, David F.; Tam, Wilson; and Wang Ying, 4,818,898, Cl. 307-427.000.
  - Anderson, Martin; and Brinnand, Anthony G., 4,873,327, C 544-59.000.
  - Anthony, John D., Jr.; and Leffew, Kenneth W., 4,804,557, C 427-9.000.
  - Anton, David L.; Korant, Bruce D.; and Wang, Chia-Lin J. 4,803,272, Cl. 544-277.000.
  - Antonelli, Joseph A.; McLaughlin, Joseph E.; and Strolle, Clifford H., 4,849,480, Cl. 525-303.000.
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G. Layton, James R.; and Okine, Richard K., 4,837,117, C 428-392.000.
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G. Layton, James R.; and Okine, Richard K., 4,856,146, Cl. 19-0.35

  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,856,147, Cl. 19-0.350.
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,857,385, Cl. 428-189.000.
  - Artz, Steven P., 4,889,550, Cl. 71-86.000.
  - Ashcraft, Robert W.; and Bayless, John H., 4,869,955, Cl. 428-327.000.
  - Austin, Jane E., 4,869,059, Cl. 57-210.000.
  - Ballard, Raymond M.; and Forrest, Albert W., Jr., 4,850,545, Cl. 242-67.10R.
  - Ballas, Robert A.; and Frey, William A., 4,812,395, Cl. 435-7.000.
  - Ballas, Robert A.; and Frey, William A., 4,812,396, Cl. 435-7.000.
  - Barrett, Lawrence R.; Robertson, Ronald C.; and Sullivan, Mark A., 4,857,811, Cl. 318-3.000.
  - Batt, Douglas G., 4,833,164, Cl. 514-647.000.
  - Batt, Douglas G.; Greenberg, Richard S.; and Harris, Richard R., 4,859,693, Cl. 514-397.000.
  - Batzar, Kenneth, 4,853,278, Cl. 428-213.000.
  - Bauer, Richard D.; Buzzell, John G.; and Koenigkramer, Rusty E., 4,849,322, Cl. 430-285.000.
  - Bellis, Harold E., 4,853,485, Cl. 564-215.000.
  - Benim, Thomas E., 4,846,695, Cl. 156-344.000.
  - Benin, Joshua; Di Maio, William G.; and Morin, Carl F., 4,848,917, Cl. 366-208.000.
  - Bergna, Horacio E., 4,849,539, Cl. 558-323.000.
  - Bhatia, Kamlesh K., 4,835,293, Cl. 549-274.000.
  - Binnersley, Edward K.; and Batman, James M., 4,816,327, Cl. 428-225.000.
  - Bissot, Thomas C., 4,818,782, Cl. 524-413.000.
  - Bivens, Donald B.; and Connon, Helen A., 4,810,403, Cl. 252-67.000.
  - Blanchet-Fincher, Graciela B.; Fincher, Curtis R., Jr.; Cheung, Lawrence K.; Dessauer, Rolf; and Looney, Catharine E., 4,818,660, Cl. 430-281.000.
  - Blanchet-Fincher, Graciela B.; and Fincher, Curtis R., Jr., 4,849,314, Cl. 430-49.000.
  - Blanchet-Fincher, Graciela B.; Benack, Kerin S.; and Taggi, Arthur J., 4,849,784, Cl. 355-274.000.
  - Bolt, John D., 4,857,246, Cl. 264-29.200.
  - Bolt, John D.; and Subramanian, Munirpallam A., 4,866,031, Cl. 505-1.000.
  - Booth, Bruce L.; and Marchegiano, Joseph E., 4,883,743, Cl. 430-321.000.
  - Boughton, John H.; Butz, Ralph A.; Cheng, Herman C. T.; Dennis, Jonathan R.; Hannon, Brian T.; and Weigel, Janet H., 4,879,043, Cl. 210-651.000.
  - Bragaw, Chester G., Jr.; Concannon, Thomas P.; and Davis, Robert F., 4,877,683, Cl. 428-421.000.
  - Braun, Juergen H., 4,846,891, Cl. 106-436.000.
  - Breslich, Francis N., Jr.; and Laakso, John H., 4,817,453, Cl. 74-572.000.
  - Brittelli, David R., 4,877,892, Cl. 549-552.000.
  - Broaddus, Clarke R., 4,836,763, Cl. 425-131.500.
  - Bryant, Walter M., III; and Huhn, George F., 4,806,651, Cl. 546-256.000.
  - Bryndza, Henry E., 4,810,815, Cl. 558-338.000.
  - Buck, Rufus E., 4,801,104, Cl. 242-35.50R.
  - Buckmaster, Marlin D.; and Randa, Stuart K., 4,877,815, Cl. 521-85.000.
  - Burch, Robert R., 4,889,579, Cl. 156-305.000.
  - Burn, Ian, 4,845,062, Cl. 501-136.000.
  - Burn, Ian, 4,855,266, Cl. 501-138.000.
  - Burn, Ian, 4,879,261, Cl. 501-32.000.
  - Burns, John T., 4,806,299, Cl. 264-171.000.
  - Burt, James G.; and Burns, John P., 4,808,331, Cl. 252-172.000.
  - Bushey, William R., 4,851,051, Cl. 134-2.000.
  - Carncross, Allan, 4,868,081, Cl. 430-96.000.
  - Cantu, Lisa A.; McBride, Edward F.; and Osborne, Marion W., 4,848,467, Cl. 166-281.000.
  - Carcia, Peter F.; and Kalk, Franklin D., 4,857,373, Cl. 428-64.000.
  - Carini, David J.; Duncia, John J. V.; and Yoo, Sung-Eun, 4,880,804, Cl. 514-234.500.
  - Caruthers, Edward B., Jr., 4,797,553, Cl. 250-327.200.
  - Chan, Dominic M.; El-Sayed, Lyla M.; Thanawalla, Chandrakant B.; and Trout, Torence J., 4,886,726, Cl. 430-115.000.
  - Chenard, Bertrand L., 4,795,817, Cl. 548-370.000.
  - Cheng, Wu-Hsun, 4,826,798, Cl. 502-244.000.
  - Cheng, Wu-Hsun, 4,855,267, Cl. 502-50.000.
  - Chern, Terry S., 4,821,427, Cl. 34-41.000.
  - Chern, Terry S.; De La Veaux, Stephan C.; Lahijani, Jacob; and Van Trump, James E., 4,883,634, Cl. 264-555.000.
  - Chiang, George C.; and Toji, Masuo, 4,886,881, Cl. 544-194.000.
  - Chou, Yu-Chia T.; Garrison, David F.; and Lewis, William L., 4,859,282, Cl. 162-78.000.
  - Chowdhry, Uma; Corbin, David R.; and Subramanian, Munirpallam A., 4,814,303, Cl. 501-119.000.
  - Christensen, Joel R.; and Rorer, Morris P., 4,801,327, Cl. 71-92.000.
  - Christensen, Joel R.; Cuomo, John; and Levitt, George, 4,877,440, Cl. 71-90.000.
  - Chuang, Thomas C.; and Walters, Kenneth E., 4,851,317, Cl. 430-119.000.
  - Clark, Stephen L., 4,861,272, Cl. 439-79.000.
  - Cohen, Abraham B.; Fan, Roxy; and Quinn, John A., 4,859,571, Cl. 430-272.000.
  - Cohen, Gordon M., 4,845,156, Cl. 525-259.000.
  - Cook, Henry W., Jr., 4,857,853, Cl. 324-456.000.
  - Corbin, David R.; Kumpinsky, Enio; and Vidal, Antonio, 4,835,319, Cl. 568-322.000.
  - Corcoran, Patrick H., 4,816,500, Cl. 523-400.000.
  - Cox, Geoffrey B.; and Stout, Richard W., 4,837,195, Cl. 502-408.000.
  - Craig, Alan R.; and Hartz, Thomas P., Jr., 4,810,630, Cl. 435-7.000.
  - Curran, Thomas A., Jr., 4,813,604, Cl. 239-163.000.
  - D'Amore, Michael B.; and Pande, Nutan K., 4,843,057, Cl. 502-263.000.
  - Deak, Gedeon I., 4,800,129, Cl. 428-474.400.
  - Dean, Thomas R., 4,844,727, Cl. 71-91.000.
  - Dear, Terrence A.; Ingard, Karl U.; and Scheinberg, Stephen P., 4,832,147, Cl. 181-30.000.
  - Dege, Howard C.; and Gilmore, Paul R., 4,889,372, Cl. 292-218.000.
  - Del Pesco, Thomas W.; and Culling, Gerald C., 4,810,411, Cl. 252-162.000.
  - De Lucca, George V.; Kezar, Hollis S., III; and O'Brien, John P., 4,833,238, Cl. 536-20.000.
  - De Lucca, George V.; Kezar, Hollis S., III; and O'Brien, John P., 4,857,403, Cl. 428-364.000.
  - Demuth, Gunther, 4,839,266, Cl. 430-524.000.
  - Dervan, Andrew H.; and Kordomenos, Panagiotis I., 4,804,718, Cl. 525-418.000.
  - Dervan, Andrew H.; and Kordomenos, Panagiotis I., 4,812,535, Cl. 525-450.000.
  - Dervan, Andrew H.; and Kordomenos, Panagiotis I., 4,816,528, Cl. 525-438.000.
  - Deyrup, Edward J., 4,873,137, Cl. 428-216.000.
  - Dicker, Ira B., 4,866,145, Cl. 526-190.000.
  - Dickerson, Wilton H., 4,810,737, Cl. 524-251.000.
  - Dishart, Kenneth T.; and Wolff, Mark C., 4,867,800, Cl. 134-40.000.
  - Douglass, David L.; and Moon, Marcus P., 4,854,962, Cl. 71-90.000.
  - Doutrich, Ray C., 4,847,588, Cl. 439-751.000.
  - Drysdale, Neville E., 4,824,995, Cl. 560-44.000.
  - Dumas, Donald J., 4,802,906, Cl. 71-92.000.
  - Dumas, Donald J.; and Moon, Marcus P., 4,878,937, Cl. 71-90.000.
  - Duncan, James E., 4,880,961, Cl. 219-388.000.
  - Dunn, George F., Jr.; Irr, Joseph D.; and Halpern, Lise N., 4,808,151, Cl. 604-6.000.
  - Dunphy, James F., 4,851,473, Cl. 525-66.000.
  - Durda, Paul J.; Green, David J.; Stone, Marcia J.; and Vaccaro, Dennis E., 4,814,275, Cl. 435-240.270.
  - Ebersole, Richard C.; Forsythe, Jesse G., Jr.; and Gelormini, Frank T., 4,806,313, Cl. 422-61.000.
  - Ebersole, Richard C.; and Foss, Robert P., 4,840,756, Cl. 264-22.000.
  - Eck, Michael P.; and Lecrone, Dale E., 4,832,619, Cl. 439-377.000.
  - Eck, Michael P., 4,867,691, Cl. 439-82.000.
  - Edwards, Donald W., 4,871,379, Cl. 55-158.000.
  - Ekiner, Okan M.; Hayes, Richard A.; and Manos, Philip, 4,863,496, Cl. 55-158.000.
  - El-Sayed Lyla M.; Schmidt, Steven P.; Trout, Torence J.; and Mitchell, Robert D., 4,798,778, Cl. 430-115.000.
  - Ellis, Charles D., 4,801,522, Cl. 430-569.000.
  - El-Sayed, Lyla M., 4,820,605, Cl. 430-115.000.
  - Erhardt, Paul W.; and Matier, William L., 4,804,677, Cl. 514-435.000.
  - Ernst, Richard E., 4,859,801, Cl. 568-617.000.
  - Ernst, Richard E., 4,879,420, Cl. 568-617.000.
  - Estrada, Calixto; Hamerslag, James D.; Hooley, Robert W.; Hunt, John W.; Johnson, Melvin H.; McCabe, Duncan D.; and Perrotto, Joseph A., 4,865,410, Cl. 350-96.200.
  - Eveleigh, John William d.; and Kobos, Robert K., 4,885,250, Cl. 435-181.000.
  - Fahey, Diana; and Knight, Ernest, Jr., 4,803,163, Cl. 435-68.000.
  - Fahmy, Mohamed A. H., 4,804,654, Cl. 514-90.000.
  - Fahmy, Mohamed H.; and Sanborn, James R., 4,855,474, Cl. 558-95.000.
  - Fintel, William A., 4,848,915, Cl. 366-76.000.
  - Fischer, Gerhard; and Quabeck, Helmut, 4,876,611, Cl. 358-456.000.
  - Fitzgerald, Patrick H.; Rao, Nandakumar S.; Vinod, Yashavant V.; and Alender, Jeffrey R., 4,883,839, Cl. 525-136.000.
  - Flexman, Edmund A., Jr., 4,804,716, Cl. 525-399.000.
  - Ford, Thomas M.; Kumpinsky, Enio; and Vidal, Antonio, 4,827,041, Cl. 568-322.000.
  - Fountain, Frank S.; Pusey, Donald K.; and McCloy, Keith A., 4,812,923, Cl. 360-25.000.
  - Fremont, Joseph M., 4,876,231, Cl. 502-174.000.
  - Frohlich, Helmut H., 4,806,451, Cl. 430-291.000.
  - Fruge, Daniel R.; and Sysak, Peter K., 4,816,384, Cl. 430-465.000.
  - Gaddis, Joseph L.; and Jernigan, Daniel A., 4,888,114, Cl. 210-500.250.
  - Gajjar, Bahrat J., 4,802,346, Cl. 66-195.000.
  - Galloway, Lory, 4,814,257, Cl. 430-278.000.
  - Ganzke, Jurgen; Jahn, Dieter; and Kritzner, Bruno, 4,853,727, Cl. 354-319.000.
  - Gay, Frank P.; and Brunette, Christine M., 4,816,556, Cl. 528-176.000.
  - Gay, Frank P.; Logullo, Francis M.; Luise, Robert R.; and Mack, Mark P., 4,886,875, Cl. 525-439.000.
  - Geary, James E., Jr.; Leffew, Kenneth W.; Schiff, David R.; and Mules, Richard D., 4,810,527, Cl. 427-54.100.
  - Ghorashi, Hamid M., 4,883,496, Cl. 8-476.000.

Gibson, Joseph W., Jr., 4,806,506, Cl. 430-309.000.
Gier, Thurman E.; Shannon, Robert D.; Sonnichsen, George C.; Corbin, David R.; and Keane, Michael, Jr., 4,806,689, Cl. 564-474.000.
Gilmer, Thomas C.; and Chang, David C. K., 4,812,506, Cl. 524-512.000.
Glajch, Joseph L.; and Kirkland, Joseph J., 4,847,159, Cl. 428-447.000.
Golike, Ralph C.; and Thies, Robert W., 4,865,902, Cl. 428-215.000.
Gopalakrishnan, Jagannatha; Sleight, Arthur W.; and Subramanian, Munirpallam A., 4,835,136, Cl. 505-1.000.
Gorski, Robert A., 4,803,009, Cl. 252-171.000.
Gorski, Robert A., 4,804,493, Cl. 252-172.000.
Gorski, Robert A.; Eiseman, Bernhardt J., Jr.; and Kvalnes, Donovan E., 4,873,021, Cl. 252-364.000.
Gosser, Lawrence W.; and Schwartz, Jo-Ann T., 4,832,938, Cl. 423-584.000.
Gosser, Lawrence W., 4,889,705, Cl. 423-584.000.
Graham, Arthur H.; and Keating, Kenneth B., 4,846,941, Cl. 204-44.600.
Graham, Arthur H.; and Keating, Kenneth B., 4,849,303, Cl. 428-670.000.
Greene, Robin N.; and Figuly, Garret D., 4,810,770, Cl. 528-289.000.
Gumprecht, William H.; Manzer, Leo E.; and Rao, V. N. Mallikarjuna, 4,843,181, Cl. 570-169.000.
Gumprech, William H., 4,851,595, Cl. 570-170.000.
Gupta, Dipak, 4,850,412, Cl. 152-556.000.
Gupta, Dipak, 4,851,280, Cl. 428-246.000.
Haber, Stephen B., 4,820,827, Cl. 549-78.000.
Hagan, Edward F., 4,799,993, Cl. 156-644.000.
Hall, William T., 4,838,927, Cl. 71-93.000.
Hallam, Donald E.; Popper, Peter; Staunton, Harold F.; Taylor, Robert E.; anc Yngve, Paul W., 4,873,821, Cl. 57-293.000.
Hanagan, Mary A.; and Wexler, Barry A., 4,838,926, Cl. 71-92.000.
Hanagan, Mary A., 4,838,929, Cl. 71-93.000.
Hanagan, Mary A., 4,878,938, Cl. 71-92.000.
Hardam, William M.; Schadt, Frank L., III; and Taggi, Arthur J., 4,810,624, Cl. 430-528.000.
Harder, Patricia A.; and Kunz, Daniel A., 4,798,792, Cl. 426-119.000.
Harrell, Jerald R.; and Muschiatti, Lawrence C., 4,839,412, Cl. 524-436.000.
Harris, Alexander T.; and Melchert, Donald A., Jr., 4,827,059, Cl. 570-236.000.
Harrison, Gordon, 4,848,718, Cl. 249-91.000.
Hartman, Frederick N.; and Knight, Alan C., 4,824,511, Cl. 156-306.600.
Hasircoglu, Alexander W., 4,874,319, Cl. 439-108.000.
Hawkins, William E., 4,830,302, Cl. 242-65.000.
Hawkins, William E., 4,832,274, Cl. 242-65.000.
Hay, James V.; Wexler, Barry A.; and Zimmerman, Donna F., 4,822,403, Cl. 71-90.000.
Hay, James V.; Wexler, Barry A.; and Zimmerman, Donna F., 4,867,783, Cl. 71-92.000.
Hayes, Richard A., 4,838,900, Cl. 55-16.000.
Hayes, Richard A., 4,851,505, Cl. 528-353.000.
Hayes, Richard A., 4,880,442, Cl. 55-16.000.
Heflin, Ronald D., 4,826,047, Cl. 222-136.000.
Heikkila, Kurt E.; Williams, Rodney K.; and Bohnen, Bruce A., 4,875,973, Cl. 156-664.000.
Heinsohn, George E., 4,824,991, Cl. 560-352.000.
Hendren, Gary L.; Provost, Richard L.; Fried, Kim L.; and Taylor, Leland A., 4,886,578, Cl. 162-123.000.
Hendrick, Kendall B.; and Reader, John R., Jr., 4,855,667, Cl. 324-61.00R.
Herkes, Frank E., 4,885,391, Cl. 564-491.000.
Hertler, Walter R., 4,806,605, Cl. 526-190.000.
Hillemann, Craig L., 4,802,908, Cl. 71-70.000.
Hillemann, Craig L., 4,849,010, Cl. 71-92.000.
Hillemann, Craig L., 4,871,847, Cl. 544-211.000.
Hillemann, Craig L., 4,877,442, Cl. 71-92.000.
Ho, May-Kin, 4,857,452, Cl. 435-7.000.
Hobbs, Frank W.; and Meek, James L., 4,873,355, Cl. 558-161.000.
Hochberg, Jerome, 4,799,954, Cl. 75-118.00P.
Hoeschele, Guenther K.; and Ostapchenko, George J., 4,868,062, Cl. 428-423.100.
Hommes, William J.; and Keegan, John J., Jr., 4,825,111, Cl. 310-12.000.
Hommes, William J.; and Keegan, John J., Jr., 4,853,602, Cl. 318-38.000.
Honsberg, Wolfgang; and Ennis, Royce E., 4,824,906, Cl. 525-74.000.
Howell, Gary W., 4,820,497, Cl. 422-63.000.
Howell, Gary W., 4,863,693, Cl. 422-64.000.
Huang, Hua-Feng, 4,833,007, Cl. 428-242.000.
Hubner, Romeo J., 4,885,697, Cl. 364-497.000.
Humphrey, David T., 4,820,190, Cl. 439-395.000.
Hutchins, Clyde S.; and Spinelli, Harry J., 4,847,328, Cl. 525-107.000.
Hutchins, Clyde S.; and Spinelli, Harry J., 4,851,477, Cl. 525-123.000.
Huybrechts, Jozef T., 4,888,383, Cl. 524-832.000.
Inskip, Harold K.; and Waggoner, Marion G., 4,874,817, Cl. 525-183.000.
Iqbal, Tahir; Cain, John H., Jr., and Slosky, Jack J., 4,885,100, C 252-1.000.
Ivanoff, Lucinda A.; and Petteway, Steven R., 4,861,707, C 435-5.000.
Jadhav, Prabhakar K., 4,824,657, Cl. 423-645.000.
Janowicz, Andrew H., 4,886,861, Cl. 526-145.000.
Jayawant, Madhusudan D., 4,804,480, Cl. 210-759.000.
Jayawant, Madhusudan D., 4,859,283, Cl. 162-78.000.
Jenkins, Colie L., 4,800,075, Cl. 423-588.000.
Jenkins, Richard S.; and Stozek, Robert L., 4,847,050, C 422-102.000.
Jennings, Uel D., 4,801,503, Cl. 428-399.000.
Johnson, Alexander L.; Ma, Philip; Timmermans, Petrus B. M. W. M.; and Wexler, Ruth R., 4,868,181, Cl. 514-252.000.
Jordan, Stephen P., 4,801,731, Cl. 558-320.000.
Judge, Ronald J., 4,842,503, Cl. 425-72.200.
Kaliski, Edward J., 4,851,632, Cl. 219-10.55E.
Kam, Sheung T.; Matier, William L.; Patil, Ghanshyam; and Ma, Khuong H. X., 4,798,892, Cl. 544-146.000.
Kam, Sheung T.; and Matier, William L., 4,810,717, C 514-377.000.
Keedy, Vincent W., Jr., and Roth, Elwood A., 4,866,022, C 28-250.000.
Keenan, Paul C., III, 4,836,682, Cl. 356-445.000.
Kellner, Carl S.; and Rao, V. N. Mallikarjuna, 4,873,302, C 570-176.000.
Kempf, Richard J., 4,859,551, Cl. 430-49.000.
Kim, Young H., 4,824,881, Cl. 524-82.000.
Kim, Young H., 4,857,630, Cl. 528-397.000.
Kirayoglu, Birol, 4,869,947, Cl. 428-196.000.
Kirkland, Joseph J.; and Kohler, Jurgen, 4,874,518, Cl. 210-502.1
Klabunde, Ulrich; Newitt, Edward J.; and Tebbe, Frederick N., 4,865,830, Cl. 423-412.000.
Kordomenos, Panagiotis I.; and Dervan, Andrew H., 4,824,917, C 525-440.000.
Kordomenos, Panagiotis I.; Dervan, Andrew H.; and Semaance Tab, 4,833,216, Cl. 525-440.000.
Kordomenos, Panagiotis I., 4,870,141, Cl. 525-514.000.
Kornher, John S.; and Livak, Kenneth J., 4,879,214, C 08-10/89.000.
Koskol, Joseph E.; Santucci, Robert J.; and Rosanio, Louis G., Jr. 4,863,029, Cl. 206-393.000.
Krespan, Carl G., 4,810,806, Cl. 549-448.000.
Krespan, Carl G., 4,822,897, Cl. 549-313.000.
Krespan, Carl G., 4,851,161, Cl. 552-10.000.
Laganis, Evan D.; and West, Alden D., 4,882,265, Cl. 430-522.00
Langley, John D., 4,855,178, Cl. 428-287.000.
Lee, Denny L. Y., 4,816,863, Cl. 355-14.00E.
Lee, I-Hwa, 4,861,676, Cl. 428-516.000.
Lee, I-Hwa, 4,861,677, Cl. 428-516.000.
Lee, Jerald D.; Elias, John G.; Rockney, Bennett H.; and Wolf, William E., 4,814,606, Cl. 250-235.000.
Leffew, Kenneth W.; and Trentacosta, Joseph D., 4,804,556, C 427-9.000.
Lemke, Timothy A., 4,800,236, Cl. 174-36.000.
Lemke, Timothy A., 4,824,383, Cl. 439-108.000.
Lemke, Timothy A., 4,887,977, Cl. 439-497.000.
Leung, Kam H.; and Rinehart, John J., 4,849,329, Cl. 435-2.00
LeVan, Martin D., 4,869,771, Cl. 156-289.000.
Levitt, George, 4,818,277, Cl. 71-92.000.
Levitt, George, 4,818,278, Cl. 71-93.000.
Levitt, George, 4,830,662, Cl. 71-92.000.
Levitt, George, 4,861,366, Cl. 71-90.000.
Levy, Moshe, 4,830,903, Cl. 428-209.000.
Lewis, George K., Jr., 4,869,860, Cl. 264-180.000.
Liang, Paul H., 4,808,721, Cl. 546-293.000.
Ling, Lorraine B.; and Ng, Thomas K., 4,877,731, Cl. 435-142.00
Litt, Gerald J., 4,824,230, Cl. 350-574.000.
Lodoen, Gary A., 4,798,880, Cl. 528-63.000.
Lodoen, Gary A., 4,837,292, Cl. 528-63.000.
Lodoen, Gary A., 4,871,818, Cl. 525-440.000.
Loewe, Erhard; and Bertels, Ludger, 4,889,292, Cl. 242-71.100
Luise, Robert R., 4,832,894, Cl. 264-130.000.
Mader, Frederick W., 4,885,416, Cl. 570-170.000.
Malhotra, Satish C., 4,837,267, Cl. 524-535.000.
Mamantov, Gleb, 4,802,970, Cl. 204-60.000.
Marcus, Ilan, 4,818,599, Cl. 428-288.000.
Marshall, Luann R., 4,833,009, Cl. 428-267.000.
Matier, William L.; Woo, Chi; and Lee, Ying-Chi, 4,849,515, C 536-16.500.
McCann, Elrey L., 4,861,802, Cl. 518-717.000.
McCarron, Eugene M., III, 4,861,753, Cl. 505-1.000.
McCartin, Peter J.; Grubb, Eugene L.; Held, Robert P.; Matrick Howard; and Rakoczy, Bohdan, 4,869,996, Cl. 430-286.000
McClure, George R., 4,826,730, Cl. 428-421.000.
McCormick, Cornelius J., 4,849,379, Cl. 501-20.000.
McGregor, Gordon L.; and White, David A., 4,808,381, C 422-100.000.
McKinney, Ronald J.; and Osborne, Robert B., 4,874,884, C 558-338.000.
Medwin, Steven J., 4,853,868, Cl. 364-476.000.
Mehra, Vinodkumar; and Subramanian, Pallatheri M., 4,826,0 Cl. 523-455.000.
Mehra, Vinodkumar; and Subramanian, Pallatheri M., 4,870,110 Cl. 521-46.500.

Merchant, Abid N.; and Redenbaugh, Jill M., 4,810,412, Cl. 252-171.000.
Merchant, Abid N.; Burke, Kenneth C.; and Redenbaugh, Jill M., 4,812,256, Cl. 252-162.000.
Merchant, Abid N.; and Redenbaugh, Jill M., 4,814,100, Cl. 252-171.000.
Merchant, Abid N.; Gorski, Robert A.; and Burke, Kenneth C., 4,877,545, Cl. 252-171.000.
Miller, Conrad E., 4,859,570, Cl. 430-271.000.
Milner, Clifford E., 4,837,135, Cl. 430-524.000.
Mitchell, Richard S., 4,795,833, Cl. 564-409.000.
Moore, Samuel E., Sr., 4,847,464, Cl. 219-69.150.
Morgan, Richard A., 4,879,362, Cl. 526-247.000.
Morrison, William H., Jr., 4,867,935, Cl. 264-61.000.
Mounsie, Bob, 4,838,809, Cl. 439-155.000.
Mounsie, Bob, 4,845,596, Cl. 362-32.000.
Mounsie, Bob, 4,871,320, Cl. 439-78.000.
Mounsie, Bob, 4,872,848, Cl. 439-135.000.
Murdoch, Joseph R.; and Loomis, Gary L., 4,800,219, Cl. 525-413.000.
Myers, Melvyn J.; and Nickolson, Victor J., 4,876,259, Cl. 514-256.000.
Nair, Kumaran M., 4,829,661, Cl. 501-79.000.
Nappa, Mario J., 4,847,427, Cl. 568-615.000.
Narita, Hiroshi, 4,836,790, Cl. 439-68.000.
Nelson, Jeffrey W., 4,798,741, Cl. 427-213.330.
Nelson, Thomas L., 4,809,412, Cl. 28-271.000.
Nelson, Thomas L., 4,870,728, Cl. 28-271.000.
Nelson, Thomas L., 4,870,813, Cl. 57-204.000.
Nelson, Thomas L.; and Thomas, Lynn B., Sr., 4,878,280, Cl. 28-274.000.
Nollen, Dennis A.; and Quinn, Arthur A., 4,888,091, Cl. 162-109.000.
Novak, Ernest R., 4,814,397, Cl. 525-154.000.
Odell, Daniel M. C., 4,827,196, Cl. 318-254.000.
Opsahl, Arthur W.; and Watson, Lewis D., 4,851,463, Cl. 524-109.000.
Page, Catherine J., 4,883,970, Cl. 250-483.100.
Pankratz, Richard P., 4,882,379, Cl. 524-590.000.
Pankratz, Richard P., 4,888,381, Cl. 524-751.000.
Pankratz, Thomas J., 4,810,639, Cl. 435-7.000.
Papa, Ralph A.; and Koser, James R., 4,881,902, Cl. 439-76.000.
Parrish, Robert G., 4,861,653, Cl. 428-288.000.
Pasteris, Robert J., 4,795,485, Cl. 71-90.000.
Pasteris, Robert J., 4,802,911, Cl. 71-92.000.
Pasteris, Robert J., 4,842,639, Cl. 71-91.000.
Pasteris, Robert J., 4,846,874, Cl. 71-91.000.
Pasteris, Robert J.; and Thompson, Mark E., 4,853,025, Cl. 71-91.000.
Pasteris, Robert J., 4,867,781, Cl. 71-90.000.
Patel, Kanu M.; and Powell, James E., 4,828,603, Cl. 71-88.000.
Patel, Kanu M.; and Powell, James E., 4,853,027, Cl. 71-94.000.
Pennev, Penio; Rajagopalan, Parthasarathi; and Scribner, Richard M., 4,876,269, Cl. 514-429.000.
Popper, Peter; and Velvel, William E., 4,860,610, Cl. 74-572.000.
Putzig, Donald E., 4,798,902, Cl. 556-54.000.
Putzig, Donald E.; and Smeltz, Kenneth C., 4,808,739, Cl. 556-55.000.
Putzig, Donald E., 4,883,605, Cl. 252-8.551.
Putzig, Donald E.; and Smeltz, Kenneth C., 4,885,103, Cl. 252-8.551.
Rackley, Robert L., 4,867,679, Cl. 433-15.000.
Rees, Richard W., 4,826,899, Cl. 524-94.000.
Reese, Cecil E., 4,833,032, Cl. 428-364.000.
Reitz, Robert R., 4,849,135, Cl. 252-606.000.
Rellick, Joseph R., 4,799,984, Cl. 156-89.000.
Rellick, Joseph R., 4,806,188, Cl. 156-89.000.
Rensi, Terence A., 4,795,830, Cl. 564-4.000.
Richards, Brian D., 4,821,583, Cl. 73-862.480.
Richardson, Paul N., 4,845,161, Cl. 525-399.000.
Ripka, William C.; and Sipio, William J., 4,806,671, Cl. 558-411.000.
Ripka, William C.; and Sipio, William J., 4,859,697, Cl. 514-438.000.
Risse, Wilhelm K., 4,831,657, Cl. 525-471.000.
Roberts, Beverly K.; and Zahr, George E., 4,803,101, Cl. 428-116.000.
Robertson, Charles W., Jr.; Dam, Rudy J.; and Prober, James M., 4,833,332, Cl. 250-458.100.
Rogers, Janet M.; and Porter, Harold F., 4,847,062, Cl. 423-379.000.
Root, Richard T., 4,832,814, Cl. 204-299.00R.
Rorer, Morris P., 4,810,282, Cl. 71-90.000.
Rorer, Morris P., 4,851,030, Cl. 71-90.000.
Rosenberg, Leonard S.; Black, Cheryl; Speicher, Earl R.; and Wagenknecht, Dietmar, 4,857,552, Cl. 514-538.000.
Rudershausen, Charles G., 4,837,370, Cl. 570-163.000.
Ryntz, Rose A.; and Kurple, Kenneth R., 4,804,732, Cl. 528-28.000.
Ryntz, Rose A., 4,810,759, Cl. 525-440.000.
Ryntz, Rose A.; Surcina, Karen A.; and Kurple, Kenneth R., 4,855,359, Cl. 525-130.000.
Ryntz, Rose A., 4,870,140, Cl. 525-440.000.
Ryntz, Rose A., 4,873,285, Cl. 525-28.000.
Ryntz, Rose A., 4,873,298, Cl. 525-479.000.
Ryntz, Rose A., 4,888,399, Cl. 525-440.000.
Sakamoto, Haruo, 4,810,200, Cl. 439-155.000.
Sakiadis, Byron C., 4,875,279, Cl. 29-740.000.
Saltman, Robert P., 4,871,810, Cl. 525-133.000.
Saltzgaber-Muller, Josephine, 4,831,125, Cl. 536-27.000.
Samardzija, Nikola, 4,853,507, Cl. 219-10.55A.
Samardzija, Nikola, 4,855,695, Cl. 333-17.300.
Samuelson, Harry V., 4,850,847, Cl. 425-382.200.
Samuelson, Harry V., 4,861,661, Cl. 428-398.000.
Sawhill, Howard T., 4,849,380, Cl. 501-20.000.
Schell, Mark S., 4,850,885, Cl. 439-79.000.
Scopelianos, Angelo G., 4,877,775, Cl. 514-41.000.
Seidel, William C., 4,883,910, Cl. 562-528.000.
Semple, Joseph E., 4,881,967, Cl. 71-92.000.
Shapiro, Rafael, 4,806,142, Cl. 71-92.000.
Sheeran, Edward T., 4,832,678, Cl. 494-16.000.
Skeirik, Richard D.; and DeCaria, Frank O., 4,884,217, Cl. 364-513.000.
Slocum, Edgar W.; Sobrero, Aquiles C.; and Wheland, Robert C., 4,861,845, Cl. 526-68.000.
Smiley, Robert A., 4,803,304, Cl. 564-498.000.
Smiley, Robert A., 4,841,092, Cl. 558-455.000.
Sogah, Dotsevi Y., 4,822,859, Cl. 525-326.700.
Sogi, Hidehito; and Hori, Toshiyuki, 4,803,118, Cl. 428-246.000.
Spinelli, Harry J., 4,810,756, Cl. 525-293.000.
Statz, Robert J., 4,801,649, Cl. 525-183.000.
Stout, David M.; Matier, William L.; and Black, Lawrence A., 4,810,704, Cl. 514-235.800.
Stout, David M.; Matier, William L.; and Black, Lawrence A., 4,810,714, Cl. 514-326.000.
Strum, William L.; and Topolski, Alvin S., 4,824,618, Cl. 264-37.000.
Subramanian, Pallatheri M., 4,804,703, Cl. 524-444.000.
Swarts, Donald E., 4,831,093, Cl. 526-234.000.
Swarts, Donald E., 4,839,324, Cl. 502-160.000.
Tabb, David L.; and Wilson, Janet M., 4,868,234, Cl. 524-236.000.
Takai, Nobuei; Sakamoto, Haruo; Uekido, Kouzou; and Nishiyama, Michiaki, 4,838,814, Cl. 439-620.000.
Tanaka, Toshiyasu; Ariga, Sadakazu; and Suzuki, Mituyosi, 4,813,760, Cl. 350-96.210.
Thompson, Mark E., 4,820,332, Cl. 71-90.000.
Thompson, Mark E., 4,881,968, Cl. 71-92.000.
Tieman, Charles H., 4,866,045, Cl. 514-144.000.
Tocker, Stanley, 4,820,336, Cl. 71-93.000.
Trout, Torence J., 4,859,559, Cl. 430-115.000.
Tseng, Chi-Ping, 4,838,925, Cl. 71-90.000.
Tufano, Thomas P., 4,801,523, Cl. 430-589.000.
Tufano, Thomas P.; and Chan, Dominic M., 4,804,621, Cl. 430-567.000.
Uy, William C., 4,810,735, Cl. 524-157.000.
Valentini, Jose E., 4,859,249, Cl. 134-22.180.
Vassiliou, Eustathios, 4,854,229, Cl. 101-123.000.
Verhoeven, Laurentius M.; and Van Nes, Cornelis G. J., 4,826,445, Cl. 439-267.000.
Verhoeven, Laurentius M., 4,843,190, Cl. 174-68.500.
Wagenknecht, Dietmar M.; Amann, Anton H.; and Gallagher, Daphne R., 4,850,981, Cl. 604-251.000.
Waggoner, Marion G., 4,861,828, Cl. 525-66.000.
Wagner, Martin G.; and Logothetis, Anestis L., 4,826,731, Cl. 428-422.000.
Waller, Francis J., 4,806,674, Cl. 560-024.000.
Wang, Chia-Lin J.; and Wuonola, Mark A., 4,801,600, Cl. 514-376.000.
Wang, Teh-Chuan, 4,839,132, Cl. 264-134.000.
Weaver, Thomas D., 4,839,271, Cl. 430-596.000.
Weigert, Frank J., 4,804,784, Cl. 564-409.000.
Weigert, Frank J., 4,814,522, Cl. 570-160.000.
Weigert, Frank J., 4,820,883, Cl. 570-153.000.
Weigert, Frank J., 4,820,884, Cl. 570-156.000.
West, Michael W. J., 4,812,517, Cl. 525-94.000.
Wexler, Barry A., 4,846,878, Cl. 71-93.000.
Wilhelm, Robert E., Jr.; Reader, John R., Jr.; Gormley, Kenneth W., Sr.; Hendrick, Kendall B.; and Celeste, Richard J., 4,816,730, Cl. 318-568.000.
Williams, James E., 4,854,552, Cl. 266-170.000.
Williams, James E., 4,881,973, Cl. 75-118.00P.
Williams, Rodney K.; Bohnen, Bruce A.; and Heikkila, Kurt E., 4,875,972, Cl. 156-664.000.
Windley, William T., 4,804,512, Cl. 264-211.000.
Wingrave, James A., 4,852,400, Cl. 73-153.000.
Wolfe, James R., Jr., 4,801,647, Cl. 525-74.000.
Wolfe, James R., Jr., 4,843,124, Cl. 525-92.000.
Wu, Chien-Chin, 4,889,862, Cl. 514-311.000.
Wu, Ming-Daang, 4,839,885, Cl. 370-4.000.
Wu, Ming-Daang; and Intrieri, Charles J., Jr., 4,839,886, Cl. 370-4.000.
Wyss, Kurt H., 4,840,838, Cl. 428-234.000.
Wyss, Kurt H., 4,861,353, Cl. 55-96.000.
Yamamoto, Nobumasa, 4,832,620, Cl. 439-422.000.
Yamamoto, Yasuo; Inaba, Akira; and Kitagaki, Takashi, 4,859,364, Cl. 252-512.000.
Yang, Hung H., 4,836,507, Cl. 264-143.000.
Yang, Hung H.; and Chiou, Minshon J., 4,859,393, Cl. 264-184.000.
Yau, Wallace W., 4,876,882, Cl. 73-55.000.
Yngve, Paul W.; Artzt, Peter; Egbers, Gerhard; Stark, Ullrich; and Muller, Heinz, 4,802,330, Cl. 57-238.000.
Zafiroglu, Dimitri P., 4,820,435, Cl. 252-90.000.
Zafiroglu, Dimitri P., 4,876,128, Cl. 428-102.000.
Zafiroglu, Dimitri P., 4,879,169, Cl. 428-230.000.
Zimmerman, Donna F., 4,836,846, Cl. 71-93.000.

- Dupont, Gaston L.; and Dupont, Andre G. Mobile scaffold with power-operated platform elevation. 4,886,139, 12-12-89, Cl. 182-146.000.
- DuPont, Martin: *See*—
  - Paterson, Doug F., and DuPont, Martin, 4,865,315, Cl. 272-130.000.
- DuPont, Preston S.; Ritter, Robert E.; McGrath, Brian A.; Schaffer, Brent G.; and Fouts, Kenneth A., III, to Hughes Aircraft Company. Honeycomb facesheet material and honeycomb made therewith. 4,833,029, 5-23-89, Cl. 428-116.000.
- DuPont, Preston S.; and Bilow, Norman, to Hughes Aircraft Company. Polyimide composition and method for protecting photoreactive cells. 4,864,016, 9-5-89, Cl. 528-353.000.
- duPont, Stephen. Hydrofoil oar. 4,867,718, 9-19-89, Cl. 440-101.000.
- duPont, Stephen. Hydrofoil oar with movable outrigger. 4,867,719, 9-19-89, Cl. 440-101.000.
- Dupoy, Marc; Dumesnil, Patrice; Mongault, Jacques; and Carisey, Camille, to Commissariat a L'Energie Atomique; and Bull S.A. Process for the detection of superimposed sheets, apparatus for performing the process and application to bank notes. 4,818,871, 4-4-89, Cl. 250-308.000.
- Dupoyet, Guy: *See*—
  - Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Truchot, Jean-Marc, 4,849,083, Cl. 204-206.000.
- Duppong, Denis E.; Dvorsky, James R.; Mick, David M.; Brandt, Richard L.; and Rieck, Leland M., to FMC Corporation. Turn tilt table. 4,796,029, 1-3-89, Cl. 342-13.000.
- Dupraz, Jean-Pierre, to Alsthom. Method of updating the scale factor of apparatus for measuring an alternating electric current by means of the faraday effect. 4,797,607, 1-10-89, Cl. 324-96.000.
- Dupraz, Jean-Pierre, to Alsthom. Sagnac type optical fiber interferometer system. 4,848,910, 7-18-89, Cl. 356-350.000.
- du Preez, Hercules P.; and Dippenaar, Hermanus, to Deton Engineering (Proprietary) Limited. Rail guided jack for lifting derailed rolling stock. 4,825,771, 5-2-89, Cl. 104-246.000.
- Du Prez, Eddie R.: *See*—
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- Dupro AG: *See*—
  - Worwag, Peter, 4,827,558, Cl. 15-314.000.
- Dupuis, Christine: *See*—
  - Grollier, Jean F.; and Dupuis, Christine, 4,876,083, Cl. 424-47.000.
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  - Garrant, Gilles; and Dupuis, Daniel, 4,865,732, Cl. 210-232.000.
- Dupuis, Emmanuel. Combination book jacket cover. 4,819,964, 4-11-89, Cl. 281-35.000.
- Dupuis, Jacques: *See*—
  - Hagen, Helmut; Kohler, Rolf-Dieter; and Dupuis, Jacques, 4,845,226, Cl. 546-180.000.
- Dupuis, John R. Adjustable appliance covering. 4,884,686, 12-5-89, Cl. 206-320.000.
- Dupuis, Timmothy J.; Reinke, James D.; and Linder, William J., to Honeywell Inc. Differential magnetoresistive memory sensing. 4,829,476, 5-9-89, Cl. 365-158.000.
- Dupuis, Walter A.: *See*—
  - Elliott, Richard J.; Dupuis, Walter A.; and Resnick, Theodore A., 4,853,946, Cl. 378-4.000.
  - Resnick, Theodore A.; Dupuis, Walter A.; and Szabo, William E., 4,829,551, Cl. 378-131.000.
- Dupuy Engineering S.A.: *See*—
  - Dupuy, Francois, 4,826,004, Cl. 206-45.340.
- Dupuy, Francois, to Dupuy Engineering S.A. Display boxes. 4,826,004, 5-2-89, Cl. 206-45.340.
- Dupuy, Marcel: *See*—
  - Smeets, Jacques; Dupuy, Marcel; and Rossi, Paul, 4,836,825, Cl. 453-49.000.
- Duquenoy, Denis: *See*—
  - Prevot, Julien; Chabani, Kamel; Courgeon, Michel; Duquenoy, Denis; Duquenoy, Roger; and Le Navenec, Regis, 4,868,971, Cl. 29-602.100.
- Duquenoy, Roger: *See*—
  - Prevot, Julien; Chabani, Kamel; Courgeon, Michel; Duquenoy, Denis; Duquenoy, Roger; and Le Navenec, Regis, 4,868,971, Cl. 29-602.100.
- Duquette, John B., to Crathern Engineering Co., Inc. Fluid consistency regulating pump. 4,865,067, 9-12-89, Cl. 137-4.000.
- Duquette, Lawrence G.: *See*—
  - Harley, A. Dale; Duquette, Lawrence G.; Khoury, Issam A.; and Kohatsu, Iwao, 4,816,072, Cl. 106-287.180.
  - Heistand, Robert H., II; and Duquette, Lawrence G., 4,880,758, Cl. 423-21.100.
- Dur-O-Wall Inc.: *See*—
  - Catani, Mario J., 4,869,038, Cl. 52-410.000.
- Dura Automotive Hardware Division of Wickes Manufacturing Company: *See*—
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- Dura Lee, Ltd.: *See*—
  - Inoue, Bert; and Lee, Phil, 4,796,383, Cl. 47-73.000.
- Dura, Lowell E.: *See*—
  - Litwinchuk, Alexander; Dura, Lowell E.; and Dekker, Adrian, 4,807,575, Cl. 123-90.550.
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  - Bode, Wolfgang W.; and Spear, Burton W., 4,865,897, Cl. 428-137.000.
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  - Ulrich, Lawrence W.; and Lojewski, James R., 4,889,581, Cl. 156-443.000.
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  - Bowden, William L., 4,880,714, Cl. 429-197.000.
  - Calcerano, Victor, 4,825,624, Cl. 51-442.000.
  - Chalilpoyil, Purush; Parsen, Frank E.; and Wang, Chih-Chung, 4,840,644, Cl. 29-623.100.
  - Dashwood, Nigel J. R., 4,803,608, Cl. 362-72.000.
  - Drane, John H., 4,875,146, Cl. 362-202.000.
  - Kuo, Han C.; Andreola, John J.; and Bardsley, Brian J., 4,824,744, Cl. 429-209.000.
  - Schosser, John F., 4,818,928, Cl. 320-2.000.
  - Whitney, Thomas A.; Bowden, William L.; and Dey, Arabinda N., 4,833,050, Cl. 429-194.000.
- Duraco Products, Inc.: *See*—
  - Braun, Robert C., 4,808,102, Cl. 425-150.000.
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  - Jamison, Warren E., 4,811,818, Cl. 184-3.200.
- Duraflite, Inc.: *See*—
  - Graham, James M.; and Schaack, Edward F., 4,838,005, Cl. 52-741.000.
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- Durairaj, Bojayan; Peterson, Alex, Jr.; and Salee, Gideon, to Indspec Chemical Corporation. Novel rubber compounding resorcinolic resins. 4,889,891, 12-26-89, Cl. 525-139.000.
- Durakon Industries, Inc.: *See*—
  - Waters, John E., 4,848,626, Cl. 224-273.000.
- Dural Aluminum Composites Corp.: *See*—
  - Skibo, Michael D.; and Schuster, David M., 4,865,806, Cl. 420-129.000.
- Duralith Corporation: *See*—
  - Nopper, Leroy N.; and Miller, Meryl E., 4,818,829, Cl. 200-512.000.
- Duralux Industries, Inc.: *See*—
  - Lowe, Archie H.; Gooding, Addison; and Colwell, William S., 4,847,536, Cl. 315-127.000.
- Durametallic Corporation: *See*—
  - Adams, William V.; Avard, Duane A.; and Waling, Leroy A., 4,795,168, Cl. 277-80.000.
- Duran, Don J. P., to W. Schmidt GmbH & Co. KG. Heat exchanger. 4,834,172, 5-30-89, Cl. 165-143.000.
- Duran, Edna. Serial drain collector. 4,865,046, 9-12-89, Cl. 128-762.00
- Duran, Edward L.; and Lundin, Ralph L., to United States of America Energy. Ultrasonic drilling apparatus. 4,828,052, 5-9-89, Cl. 175-55.000.
- Duran, John A., and Basmadzhyan, Simon, to Avibank Mfg., Inc. Captive panel fastener assembly. 4,815,908, 3-28-89, Cl. 411-353.00
- Duran, John A., to Avibank Mfg., Inc. Flush mounted bolt. 4,822,22 4-18-89, Cl. 411-373.000.
- Duran, John A., to Avibank Mfg., Inc. Spring form captive panel fastener assembly. 4,828,442, 5-9-89, Cl. 411-353.000.
- Duran, John A., to Avibank Mfg., Inc. Spring form captive panel fastener assembly. 4,854,795, 8-8-89, Cl. 411-352.000.
- Duran, John A.; Young, Robert; and Chang, Peter, to Avibank Mfg. Inc. Quick action fastener assembly. 4,865,500, 9-12-89, Cl. 411-103.000.
- Durance, Denise: *See*—
  - Moore, Robert H.; and Durance, Denise, 4,850,708, Cl. 356-350.000.
- Durand, Bernard; and Masini, Jean-Jacques, to Atochem. Demethanolization of aqueous CH_3OH/HCl solutions. 4,808,761, 2-28-89, Cl. 570-258.000.
- Durand, Daniel: *See*—
  - Dang Vu Quang; Durand, Daniel; Le Page, Jean Francois; Courty, Philippe; and Forestiere, Alain, 4,847,000, Cl. 252-373.000.
  - Quang, Dang Vu; Davidson, Michel; Durand, Daniel; and Courty, Philippe, 4,840,783, Cl. 423-648.100.
- Durand, Daniel C.; and Morterol, Frederic R., to BP Chemicals Limited. Gas fluidized bed terpolymerization of olefins. 4,857,61 8-15-89, Cl. 526-88.000.
- Durand, David, to KEY-TECH, Inc. Printed circuit board. 4,863,75 9-5-89, Cl. 427-47.000.
- Durand, Guy: *See*—
  - Vandermeersch, Jean; and Durand, Guy, 4,857,584, Cl. 524-791.000.
- Durand, James C., to Caterpillar Inc. Resilient load supporting and motion accommodating mounting apparatus. 4,858,880, 8-22-89, Cl. 248-635.000.
- Durand, Jean-Claude: *See*—
  - Giroux, Pierre; Ochem, Dominique; and Durand, Jean-Claude, 4,882,093, Cl. 252-632.000.
- Durand, Jean-Pierre; Labrot, Maxime; Truc, Joel; and Valy, Yves, to Aerospatiale Societe Nationale Industrielle; and Constructions Navales et Industrielles de la Mediterranee. Process and device for destroying solid waste by pyrolysis. 4,831,944, 5-23-89, Cl. 110-346.000.
- Durand, Jean-Pierre: *See*—
  - Jarrin, Jacques; Robine, Magali; and Durand, Jean-Pierre, 4,882,404, Cl. 526-261.000.
- Durand, Lionel F. G. J.; and Lore, Xavier R. Y., to Societe anonyme dite Hispano-Suiza. Turbojet engine having a thrust reverser door and variable exhaust cross-section. 4,865,256, 9-12-89, Cl. 239-265.290.
- Durand, Philippe: *See*—
  - Despinoy, Bernard; Durand, Philippe; and Mouget, Jean, 4,866,840, Cl. 29-828.000.
- Durand-Raute Industries Ltd.: *See*—
  - Carter, Paul M.; Wilson, Gary L.; and Bucksdrucker, Arthur H., 4,815,508, Cl. 144-213.000.
- Durand, Roger, to Societe Civile d'Etudes et de Prototypes Industriels et de Series. Device for carrying and lifting loads and moving same by aerodynamic lifting. 4,828,205, 5-9-89, Cl. 244-17.230.
- Durand, William W.: *See*—
  - Bricken, Richard J.; and Durand, William W., 4,866,781, Cl. 382-1.000.
- Durando, Pierre; and LaFaille, Alain, to Total Compagnie Francaise des Petroles; and Institut Francais du Petrole. Underwater electric connector. 4,859,196, 8-22-89, Cl. 439-197.000.
- Duranel, Laurent; and Sanchez, Nadine, to Atochem. Process for the manufacture of spherical particles of metal compounds of group II of the periodic table. 4,851,208, 7-25-89, Cl. 423-490.000.
- Durant, Douglas M.; Kugler, Uwe H.; Vaughn, Bennie J.; Nordquist, Douglas W.; and Delft, Larry M., to Deere & Company. Female hydraulic coupler with push-connect and lever disconnect. 4,881,573, 11-21-89, Cl. 137-614.040.
- Durant, Graham J.; Gribble, Andrew D.; and Slater, Robert A., to SmithKline & French Laboratories, Ltd. Pharmaceutically active compounds. 4,812,573, 3-14-89, Cl. 514-307.000.
- Durant, Michael B.: *See*—
  - Kuhn, Lawrence H.; and Durant, Michael B., 4,877,294, Cl. 303-9.000.
- Durant, Thomas L.: *See*—
  - Barkans, Anthony C.; Schroeder, Brian D.; Durant, Thomas L.; Gordon, Dorothy; and Lach, Jorge, 4,888,712, Cl. 364-522.000.
- Durante, Alan J. Necktie fastening device with hidden pocket. 4,835,821, 6-6-89, Cl. 24-49.0CF.
- Durantet, Bernard: *See*—
  - Barriquand, Bernard; Villard, Francois; and Durantet, Bernard, 4,884,418, Cl. 68-150.000.
- Duratron Systems Limited: *See*—
  - St. Onge, Henri S., 4,796,669, Cl. 138-97.000.
- Durazzani, Piero, to Industrie Zanussi S.p.A. Process for the treatment of laundry in a washing machine. 4,794,661, 1-3-89, Cl. 8-158.000.
- Durbeck, Robert C.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, to International Business Machines Corporation. Thermal drop-on-demand ink jet print head. 4,847,636, 7-11-89, Cl. 346-140.00R.
- Durbin, Dennis A.: *See*—
  - Danielson, Arvin D.; and Durbin, Dennis A., 4,877,949, Cl. 235-462.000.
- Durbin, Douglas D. Dental device for cleaning teeth. 4,878,508, 11-7-89, Cl. 132-329.000.
- Durbin-Durco, Inc.: *See*—
  - Smith, Lonnie M., 4,800,627, Cl. 24-68.0CD.
- Durbin, John A.: *See*—
  - Lama, William L.; Loce, Robert P.; and Durbin, John A., 4,801,978, Cl. 355-69.000.
- Durbin, Richard D.; Lukens, Jean H.; Uchytil, Thomas F.; and Rhodehamel, Nicholas, to Wisconsin Alumni Research Foundation. Manufacture and use of tagetitoxin. 4,874,706, 10-17-89, Cl. 435-253.300.
- Durchschlag, Gerald; and Lang, Alfred, to Voest-Alpine Aktiengesellschaft. Control mechanism for railway switches. 4,860,978, 8-29-89, Cl. 246-448.000.
- Durckheimer, Walter: *See*—
  - Lattrell, Rudolf; Durckheimer, Walter; and Kirrstetter, Reiner, 4,845,087, Cl. 514-202.000.
- Durda, Joseph A., to Aeration Industries, Inc. Oscillating propeller type aerator apparatus and method. 4,806,251, 2-21-89, Cl. 210-747.000.
- Durda, Joseph A.; and Giese, Thomas G., to Aeration Industries, Inc. Aeration apparatus having a deicing mechanism and control circuit therefor. 4,882,099, 11-21-89, Cl. 261-128.000.
- Durda, Paul J.; Green, David J.; Stone, Marcia J.; and Vaccaro, Dennis E., to Du Pont de Nemours, E. I., and Company. Monoclonal hybridoma antibody specific for a human epithelial antigen. 4,814,275, 3-21-89, Cl. 435-240.270.
- Durell, William E. Variable ratio beam splitter and beam launcher. 4,859,029, 8-22-89, Cl. 350-173.000.
- Duren, Richard E.: *See*—
  - Young, Dewey R.; and Duren, Richard E., 4,835,745, Cl. 367-56.000.
  - Young, Dewey R.; and Duren, Richard E., 4,872,144, Cl. 367-20.000.
- Duret, Jean. Drogue associated with a guidance system. 4,798,157, 1-17-89, Cl. 114-253.000.
- Duret, Pierre. Device and method for injecting fuel into an engine, assisted by compressed air or gas. 4,796,594, 1-10-89, Cl. 123-531.000.
- Duret, Pierre, to Institut Francais du Petrole. Device and method for introducing pressurized gas into a combustion chamber of a reciprocating internal combustion engine. 4,829,958, 5-16-89, Cl. 123-316.000.
- Duret, Pierre, to Institut Francais du Petrole; Automobiles Peugeot; and Automobiles Citroen. Device and method for the rapid priming of an oxidation catalyst for a two stroke engine. 4,862,689, 9-5-89, Cl. 60-274.000.
- Duret, Robert; and Fleury, Georges, to Thomson-C.S.F. Electron gun for electronic tubes. 4,798,993, 1-17-89, Cl. 313-447.000.
- Duret-Thual, Claude: *See*—
  - Josso, Pierre J.; Gossart, Isabelle V.; and Duret-Thual, Claude, 4,844,739, Cl. 106-1.270.
- Durette, Philipe L., to Merck & Co., Inc. Aminoalkyl naphthalenediols as host resistance enhancers against viral infection. 4,835,177, 5-30-89, Cl. 514-459.000.
- Durette, Philippe L., to Merck & Co., Inc. Dipeptidyl saccharides as host resistance enhancers in AIDS-immuno-compromised hosts and methods of use. 4,866,035, 9-12-89, Cl. 514-8.000.
- Durette, Philippe L., to Merck & Co., Inc. Dipeptidyl 3,0,6-0-acyl-2-amino-2-deoxy-D-glucofuranose compositions and methods of use in AIDS-immunocompromised human hosts. 4,866,036, 9-12-89, Cl. 514-8.000.
- Durette, Philippe L., and Dorn, Conrad P., to Merck & Co., Inc. Dipeptidyl 4-0-,6-0-acyl-[illegible]-2-deoxy-D-glucose compositions and methods of use in AIDS-immunocompromised human hosts. 4,868,155, 9-19-89, Cl. 514-19.000.
- Durette, Philippe L., to Merck & Co., Inc. Dipeptidyl 2-amino-1,2-dideoxy-D-glucose derivatives as host resistance enhancers in AIDS-immunocompromised hosts and methods of use. 4,868,157, 9-19-89, Cl. 514-19.000.
- Durette, Philippe L.: *See*—
  - Tischler, Allan N.; Durette, Philippe L.; Witzel, Bruce E.; and Lanza, Thomas J., Jr., 4,800,211, Cl. 514-443.000.
  - Witzel, Bruce E.; Baker, Robert K.; Durette, Philippe L.; and Frankshun, Robert A., 4,814,501, Cl. 564-162.000.
- Durfee, LaVerne R., Jr., to Petersen Manufacturing Co., Inc. Stepped fluted drill. 4,815,902, 3-28-89, Cl. 408-225.000.
- Durfor, Charles N.; Bowers, Mark L.; and Yenser, Barbara A., to GTE Laboratories Incorporated. Flavin cofactor modified electrodes and methods of synthesis and use. 4,797,181, 1-10-89, Cl. 204-1.00T.
- Durgo AG: *See*—
  - Jorgensen, Paul R., 4,797,785, Cl. 361-402.000.
  - Jorgensen, Paul R., 4,876,555, Cl. 343-895.000.
- Durham, Dana, to Hoechst Celanese Corporation. Composition containing a mixture of hexa-alkyl disilazane and propylene glycol alkyl ether and/or propylene glycol alkyl ether acetate. 4,806,458, 2-21-89, Cl. 430-331.000.
- Durham, Daniel K.; Conkle, Urban C.; and Downs, Hartley H., to Baker Hughes Incorporated. Method and additive for clarifying aqueous systems without production of uncontrollable floc. 4,855,060, 8-8-89, Cl. 210-708.000.
- Durham, Donald R., to W. R. Grace & Co.-Conn. Cleaning compositions containing protease produced by vibrio and method of use. 4,865,983, 9-12-89, Cl. 435-264.000.
- Durham, Harold S.: *See*—
  - Schlesch, Ronald D.; Armstrong, Merrill H.; Vallery, Stafford J.; and Durham, Harold S., 4,875,428, Cl. 114-255.000.
- Durham, Pamela J.: *See*—
  - Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Dodson, Stuart A.; Galemmo, Robert A., Jr.; and Durham, Pamela J., 4,816,583, Cl. 544-7.000.
- Durham, Roger O. Freewheel mechanism for bicycles. 4,840,084, 6-20-89, Cl. 74-594.100.
- Durham, Thomas J., to BancTec Inc. Method and apparatus for image capture of information on documents. 4,821,332, 4-11-89, Cl. 382-7.000.
- Durham, Vaughn L.; and Goldblatt, Jeffrey S. Medical clamp. 4,835,824, 6-6-89, Cl. 24-339.000.
- Duri', Antonino; and Nonini, Geremia, to Danieli & C. Officine Meccaniche SpA. Multipurpose swaging machine. 4,879,893, 11-14-89, Cl. 72-402.000.
- Durieux, Jules. Portable motorized shovel. 4,843,743, 7-4-89, Cl. 37-103.000.
- Duriez, Bruno, to Texas Instruments Incorporated. Display system for indicating standby operations of electronic data processing apparatus. 4,831,569, 5-16-89, Cl. 364-710.010.
- Durigon, Duilio. Transmission control locking device. 4,884,654, 12-5-89, Cl. 180-287.000.
- Duriron Company, Inc., The: *See*—
  - Helferich, Richard L.; and Schenck, Robert C., 4,812,424, Cl. 501-84.000.
  - Helferich, Richard L., 4,814,300, Cl. 501-84.000.
  - Helferich, Richard L.; and Schenck, Robert C., 4,846,906, Cl. 156-89.000.
  - Helferich, Richard L.; and Schenck, Robert C., 4,871,495, Cl. 264-43.000.
  - Helferich, Richard L., 4,878,947, Cl. 106-75.000.
- Durisch, Gion: *See*—
  - Baer, Hanspeter; and Durisch, Gion, 4,837,504, Cl. 324-142.000.
- Durkee Industrial Foods Corporation: *See*—
  - Loughrin, Thomas D., 4,874,621, Cl. 426-124.000.
  - Wilson, Lonny L.; and Player, Kenneth W., 4,826,696, Cl. 426-94.000.
- Durkin, Robert J., to Elkhart Products Corporation. Method of connecting two thermoplastic pipes using a barbed metal welding sleeve. 4,865,674, 9-12-89, Cl. 156-158.000.
- Durkopp Systemtechnik GmbH: *See*—
  - Bievert, Klaus; Bruder, Wolfgang; Geilhaupt, Manfred; Kupper, Gerd; and Zabinski, Siegfried, 4,871,155, Cl. 269-289.00R.
  - Zabinski, Siegfried; Biervert, Klaus; and Kupper, Gerd, 4,882,961, Cl. 83-177.000.
- Durkoppwerke GmbH: *See*—
  - Balke, Siegmund; and Lutkemeyer, Gunter, 4,858,545, Cl. 112-275.000.

  - Ellermann, Rolf; Stapel, Wilhelm; and Droste, Gunter, 4,815,404, Cl. 112-121.110.
  - Wehmeyer, Bodo, 4,883,005, Cl. 112-63.000.
- Durkos, John C.: *See—*
  - Humble, Walter P.; Durkos, John C.; DiMargio, Nick A.; Cortell, Dominick J.; and Syak, Charles W., 4,838,523, Cl. 256-13.100.
- Durland, Douglas H.: *See—*
  - Giebeler, Robert; and Durland, Douglas H., 4,833,891, Cl. 62-65.000.
- Durland, Sven O., to Coe Manufacturing Company, The. Optical scanning method and apparatus useful for determining the configuration of an object. 4,803,371, 2-7-89, Cl. 250-560.000.
- Durm, Juergen; and Brin, Constantin, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Drive mechanism for an air guide arrangement. 4,854,635, 8-8-89, Cl. 296-180.500.
- Durm, Juergen; and Wagner, Dieter, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Motor vehicle, especially passenger motor vehicle. 4,887,681, 12-19-89, Cl. 180-68.100.
- Durm, Jurgen: *See—*
  - Burst, Hermann; Durm, Jurgen; Kretschmer, Helmut; and Schuhmann, Georg, 4,889,382, Cl. 296-180.500.
- Durney, Cronin Rebecca L.; Rutherford W. Scott; and Campbell, James F., to Reichhold Chemicals, Inc. Textile adhesives comprising a latex binder consisting essentially of styrene, butadiene, and monoester of maleic or fumatic acid. 4,876,293, 10-24-89, Cl. 523-122.000.
- Durnin, James E.; and Eberly, Joseph H., to Research Corporation. Diffraction free arrangement. 4,852,973, 8-1-89, Cl. 350-162.110.
- Durnin, James E.; and Eberly, Joseph H., to University of Rochester. Diffraction free arrangement. 4,887,885, 12-19-89, Cl. 350-162.110.
- Duro Dyne Corporation: *See—*
  - Hinden, Milton; and Lyons, John, 4,861,631, Cl. 428-34.500.
- Duro-Last Roofing, Inc.: *See—*
  - Janni, Albert S., 4,799,986, Cl. 156-196.000.
  - Janni, Albert S., 4,872,296, Cl. 52-58.000.
  - Nichols, Wayne G.; Greko, John C.; and Laurion, Francis R., 4,848,045, Cl. 52-60.000.
- Duro-Test Corporation: *See—*
  - Walsh, Peter J., 4,816,714, Cl. 313-111.000.
- DuRocher, David. Formation testing apparatus and method. 4,860,580, 8-29-89, Cl. 73-155.000.
- Durossette, Leo J.: *See—*
  - Abbott, Woodrow A.; and Durossette, Leo J., 4,800,011, Cl. 204-302.000.
- Durot, Jean; and Nicol, Roger, to Degremont, S.A. Apparatus for the anaerobic treatment of waste water. 4,818,393, 4-4-89, Cl. 210-197.000.
- Durow, Kenneth M., to United Kingdom Atomic Energy Authority. Method and apparatus for mechanically classifying rolling bodies. 4,804,093, 2-14-89, Cl. 209-691.000.
- Durow, Kenneth M.; and Kennedy, Stephen T., to United Kingdom Atomic Energy Authority. Nuclear fuel pin fabrication. 4,849,156, 7-18-89, Cl. 376-261.000.
- Durr Dental GmbH & Co: *See—*
  - Durr, Walter S.; Hofmann, Hans-Joachim; and Bollmann, Andreas B., 4,842,478, Cl. 415-169.200.
- Durr Dental GmbH & Co KG: *See—*
  - Nitsche, Klaus D.; and Zsiga, Johann P., 4,836,755, Cl. 417-368.000.
- Durr, Dieter; and Szczepanski, Henry, to Ciba-Geigy Corporation. Heterocyclylalkyl esters of 2-imidazolinonenicotinic acids. 4,824,466, 4-25-89, Cl. 71-92.000.
- Durr, Dieter; and Szczepanski, Henry, to Ciba-Geigy Corporation. Heterocyclylalkyl esters of 2-imidazolinonenicotinic acids. 4,824,471, 4-25-89, Cl. 71-92.000.
- Durr, Dieter; and Szczepanski, Henry, to Ciba-Geigy Corporation. Thiazolylalkyl esters of α-imidazolinonenicotinic acids and herbicidal methods of use. 4,851,029, 7-25-89, Cl. 71-90.000.
- Durr, Frederick E.: *See—*
  - Murdock, Keith C.; and Durr, Frederick E., 4,820,738, Cl. 514-656.000.
  - Murdock, Keith C.; and Durr, Frederick E., 4,888,137, Cl. 552-248.000.
- Durr, Manfred; Fribolin, Hans U.; Harhausen, Ekkerhard; and Seidel, Jurgen, to A. Nattermann & Cie GmbH. Use of glycofurol for the liquidization of pharmaceutical preparations to be filled into soft gelatine capsules. 4,842,865, 6-27-89, Cl. 424-456.000.
- Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmits, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, to Krupp Polysius AG. Apparatus and method for the heat treatment of fine-grained material. 4,861,265, 8-29-89, Cl. 432-103.000.
- Durr, Manfred: *See—*
  - Rontgen-Odenthal, Renate; Durr, Manfred; and Harhausen, Ekkehard, 4,828,844, Cl. 424-489.000.
  - Tiggesbaumker, Peter; Durr, Manfred; Wurr, Jurgen; Krutzner, Karl; Rother, Wolfgang; Menzel, Karl; Schaberg, Frank; Klockenbusch, Heinrich; Unland, Georg; and Driemeier, Gunter, 4,808,108, Cl. 432-14.000.
- Durr, Rene C.; and Rozain, Jean-Pierre, to Commissariat a L'Energie Atomique. Apparatus for the analysis of elements by inductive plasma spectrometry produced by air. 4,844,612, 7-4-89, Cl. 356-316.000.
- Durr, Ulrich: *See—*
  - von Arb, Hans-Peter; Durr, Ulrich; Gressly, Andre ; and Studer, Franz, 4,881,233, Cl. 372-35.000.
- Durr, Walter S.; Hofmann, Hans-Joachim; and Bollmann, Andreas B., to Durr Dental GmbH & Co. Dental suction apparatus. 4,842,478, 6-27-89, Cl. 415-169.200.
- Durre, Reynold F.: *See—*
  - Misgen, Kenneth G.; Gillingham, Gary R.; Rocklitz, Gary J.; and Durre, Reynold F., 4,834,885, Cl. 210-440.000.
- Durrer, Rudolph; Priessner, Hilmar; and Bach, Eric, to Peter Fuchs GmbH Druckservice. Picture holder. 4,802,585, 2-7-89, Cl. 206-449.000.
- Durrum, Emmett L.; Amendola, Stephen; and Erickson, Bruce W., to Eldex Laboratories, Inc. Continuous flow peptide synthesizer 4,861,866, 8-29-89, Cl. 530-333.000.
- Durschlag, Mark S.: *See—*
  - Kazior, Thomas E.; and Durschlag, Mark S., 4,807,022, Cl. 357-81.000.
- Durst Phototecnik GmbH: *See—*
  - Verner, Delueg, 4,806,988, Cl. 355-55.000.
- Durst, Richard E.; and Wight, Edward M., to APV Glacier Industries Inc. Ice cream conveyor line cleaning system. 4,830,175, 5-16-89, Cl. 198-495.000.
- Durst, Richard E.: *See—*
  - Greenhouse, Eugene; and Durst, Richard E., 4,851,247, Cl. 426-250.000.
- Durst, Robert T., Jr.; and Schmidt, Alfred C., to Pitney Bowes Inc. Letter processing apparatus. 4,796,196, 1-3-89, Cl. 364-478.000.
- Durst, Robert T., Jr.; and Schmidt, Alfred C., to Pitney Bowes Inc. Interactive outgoing and incoming mailpiece processing system. 4,800,504, 1-24-89, Cl. 364-478.000.
- Durst, Robert T., Jr.; and Schmidt, Alfred C., to Pitney Bowes, Inc. Stationery item processing apparatus. 4,852,013, 7-25-89, Cl. 364-478.000.
- Durst, Robert T., Jr.; Fougere, Guy L.; Hunter, Kevin D.; and Schmidt, Alfred C., to Pitney Bowes, Inc. System and method for processing a letter for bulk mailing. 4,853,869, 8-1-89, Cl. 364-478.000.
- Durst, Robert T., Jr.: *See—*
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D. and Schmidt, Alfred C., 4,797,832, Cl. 364-478.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; Pintsov, Leon A.; Hart, William G.; and Silverberg, Morton. 4,800,505, Cl. 364-478.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,800,506, Cl. 364-478.000.
  - Axelrod, Barry H.; and Durst, Robert T., Jr., 4,849,884, Cl. 364-406.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,862,386, Cl. 364-518.000.
  - Bator, Feliks; Hunter, Kevin D.; and Durst, Robert T., Jr. 4,802,541, Cl. 177-212.000.
  - Hunter, Kevin D.; Durst, Robert T., Jr.; and Pastor, Jose. 4,873,645, Cl. 364-479.000.
- Durth, Wilfried, to Buderus Aktiengesellschaft. Method of and apparatus for selectively operating a cooking apparatus with circulating heated air or water vapor. 4,800,806, 1-31-89, Cl. 99-330.000.
- Durual, Pierre; Hermant, Marc; and Laviron, Charles, to Societe ATOCHEM. Polyfluorinated amino alcohols and their esters, preparation of these compounds and their use as lubricant additives. 4,853,141, 8-1-89, Cl. 252-51.000.
- Durual, Pierre: *See—*
  - Basset, Dominique; Fayard, Jean-Claude; Hermant, Marc; Durual, Pierre; and Germanaud, Laurent, 4,832,859, Cl. 252-51.000.
- Duruisseau, Bernard. Screw with recirculated satellite rollers. 4,884,466, 12-5-89, Cl. 74-424.80C.
- Durum, Metin M., to Borg-Warner Automotive, Inc. Spiral spring disc torsional coupling. 4,795,012, 1-3-89, Cl. 192-55.000.
- Duruz, Jean-Jacques R.; and Derivaz, Jean-Pierre, to Eltech Systems Corporation. Electrolysis method and packed cathode bed for electrowinning metals from fused salts. 4,824,531, 4-25-89, Cl. 204-67.000.
- Durvasula, Visweswara R.; and Stuber, Fred A., to Dow Chemical Company, The. Capping of polyols with aromatic amines. 4,847,416, 7-11-89, Cl. 564-443.000.
- Duryea, Anthony N., to Tracor, Inc. Ion detector and associated removable ionizer inlet assembly. 4,882,485, 11-21-89, Cl. 250-288.000.
- Duryea, Harold E., to Fiber Materials, Inc. Fire retardant polymer resin. 4,820,576, 4-11-89, Cl. 428-246.000.
- Dusbabek, Mark R. Toothbrush sterilizer. 4,816,648, 3-28-89, Cl. 219-521.000.
- Dusek, Vaclav, to Cooper Companies, Inc., The. Intraocular lens. 4,863,464, 9-5-89, Cl. 623-6.000.
- Dusinski, Ireneusz: *See—*
  - Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.
- Duska, Joseph J.: *See—*
  - Field, Nathan D.; and Duska, Joseph J., 4,851,480, Cl. 525-444.000.
- Duskin Co., Ltd.: *See—*
  - Nishiyama, Masanobu; Nishimura, Haruo; Nakano, Katsuji; Ozaki, Tatsuo; and Kitamoto, Akira, 4,856,854, Cl. 312-38.000.
- Dusoleil, Serge; Preat, Jean-Luc; and Barthelemy, Odon, to Solvay & Cie (Societe Anonyme). Plastisols based on vinyl chloride polymers and use of plastisols for coating sheet metal. 4,882,376, 11-21-89, Cl. 524-166.000.
- Dussart, Bernard E. A.: *See—*
  - Cordier, Jean A. G.; Dussart, Bernard E. A.; and Rollot, Pierre H. 4,867,848, Cl. 201-6.000.
- Dussart-Lermusiaux, Annie; Senneron, Michel; Rabilloud, Guy; and Sillion, Bernard, to Centre d'Etude des Materiaux Organiques pour

Technologies Avancees. Oligomer compositions of polyaryloxypyridines with acetylenic end groups, their manufacture and lattices obtained by thermal polymerization thereof. 4,814,403, 3-21-89, Cl. 526-265.000.

- Dussaud, Jacques; and De Jonckheere, Raphael, to Boussac Saint Freres B.S.F. Process for manufacturing disposable diapers and diaper briefs, and disposable diapers and diaper briefs obtained by application of this process. 4,801,345, 1-31-89, Cl. 156-164.000.
- Dussault, David R.; and Dussault, Richard E. Dri-Pc humidity and temperature controller. 4,841,733, 6-27-89, Cl. 62-93.000.
- Dussault, Richard E.: *See—*
  - Dussault, David R.; and Dussault, Richard E., 4,841,733, Cl. 62-93.000.
- Dussinger, Peter: *See—*
  - Shaubach, Robert M.; Dussinger, Peter; and Buchko, Matthew T., 4,854,379, Cl. 165-104.260.
- Dussinger, Peter M.: *See—*
  - Shaubach, Robert M.; Dussinger, Peter M.; and Buchko, Matthew T., 4,815,528, Cl. 165-104.260.
- Dussinger, Thomas E.; Riley, John M.; and Kosarko, Gerald J., to Eastman Kodak Company. Double-sided magnetic recording device supporting two transducers in fixed relation. 4,887,176, 12-12-89, Cl. 360-105.000.
- Dussler, Klaus: *See—*
  - Fischer, Manfred; Dussler Klaus; Linke, Wilfried; and Hartmann, Werner, 4,796,360, Cl. 30-384.000.
- Dussourd, Jules L., to Sunstrand Corporation. Centrifugal pump. 4,832,565, 5-23-89, Cl. 415-110.000.
- Dussourd, Jules L., to Sundstrand Corporation. Single stage pump and separator for two phase gas and liquid mixtures. 4,886,530, 12-12-89, Cl. 55-199.000.
- Dust, Matthias; Neumann, Peter; Hauser, Peter; Wagenblast, Gerhard; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus D.; and Kuppelmaier, Harald, to BASF Aktiengesellschaft. Naphtholactamsquaric acid dyes and optical recording materials containing these dyes. 4,830,951, 5-16-89, Cl. 430-270.000.
- Dust, Matthias; Neumann, Peter; Schefczik, Ernst; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus-Dieter; Kuppelmaier, Harald; and Koester, Eberhard, to BASF Aktiengesellschaft. Naphtholactam dyes and optical recording medium containing these days. 4,876,356, 10-24-89, Cl. 548-419.000.
- Dust, Richard A.; and Causton, Peter, to National Starch and Chemical Corporation. Synthetic based cold seal adhesives. 4,889,884, 12-26-89, Cl. 524-314.000.
- Dustmann, Cord-Heinrich: *See—*
  - Dietrich, Manfred; Dustmann, Cord-Heinrich; Schmaderer, Franz; and Wahl, Georg F. H., 4,828,664, Cl. 204-192.240.
  - Schmaderer, Franz; Wahl, Georg F.; Dustmann, Cord-Heinrich; Fitzer, Erich; Brennfleck, Karl; and Dietrich, Manfred, 4,849,288, Cl. 428-366.000.
- Dustmann, Cord-Henrich, to Asea Brown Boveri AG. Magnet system. 4,852,367, 8-1-89, Cl. 62-51.100.
- Dusza, John P.: *See—*
  - Torley, Lawrence W.; Johnson, Bernard D.; and Dusza, John P., 4,876,252, Cl. 514-224.800.
  - Tseng, Shin S.; Dusza, John P.; and Epstein, Joseph W., 4,847,256, Cl. 514-258.000.
  - Tseng, Shin S.; Dusza, John P.; and Epstein, Joseph W., 4,888,345, Cl. 514-258.000.
- Duta, Oprea; and Stanisic, Michael M. Dextrous spherical robot wrist. 4,878,393, 11-7-89, Cl. 74-479.000.
- Dutartre, Didier: *See—*
  - Tissier, Annie; and Dutartre, Didier, 4,813,781, Cl. 356-354.000.
- Dutartre, Roger: *See—*
  - Fajula, Francois; Figueras, Francois; Gueguen, Claude; and Dutartre, Roger, 4,847,224, Cl. 502-67.000.
- Dutaut, Jean-Michel: *See—*
  - Benahim, Guy; Dutaut, Jean-Michel; and Giraudon, Jean-Claude, 4,890,070, Cl. 330-296.000.
- Dutcher, Clinton, to G & H Technology, Inc. Electromagnetic field measuring technique to assess shielding effectiveness. 4,833,476, 5-23-89, Cl. 342-351.000.
- Dutcher, Clinton H.: *See—*
  - Walters, Gerald E.; Dutcher, Clinton H.; Tang, Tian-Peng; and Nurek, Jerry, 4,813,891, Cl. 439-620.000.
- Dutcher, James C.: *See—*
  - Karls, Michael A.; and Dutcher, James C., 4,832,639, Cl. 440-88.000.
  - Plitt, Cheryl A.; and Dutcher, James C., 4,875,882, Cl. 440-66.000.
- Dutcher, John A.: *See—*
  - Scerbak, David G.; Pearson, Leonard P.; and Dutcher, John A., 4,827,485, Cl. 372-107.000.
- Dutertre-Laduree, Daniel: *See—*
  - Blanchot, Michele; Dutertre-Laduree, Daniel; and Roos, Rein, 4,855,889, Cl. 363-19.000.
- Duthaler, Rudolf; Finter, Jurgen; Fischer, Walter; and Ramanathan, Visvanathan, to Ciba-Geigy Corporation. Anthraquinoylcarboxylic acid hydrazides, curable compositions and use thereof. 4,855,084, 8-8-89, Cl. 260-377.000.
- Duthaler, Rudolf: *See—*
  - Pfeifer, Josef; and Duthaler, Rudolf, 4,847,359, Cl. 528-353.000.
  - Riediker, Martin; Lang, Robert W.; Duthaler, Rudolf; Herold, Peter; Oertle, Konrad; and Bold, Guido, 4,826,965, Cl. 536-18.100.
- Duthie, George A.; Frey, Mark C.; Gleadall, Wilfred L.; Skrovanek, Ambroz C.; and Corp, David O., to Hubbell Incorporated. Printed circuit board mounting for communication termination. 4,821,150, 4-11-89, Cl. 361-395.000.
- Duthie, Peter J., to Plessey Overseas Limited. Optical switch arrays. 4,818,050, 4-4-89, Cl. 350-96.140.
- Duthoit, Etienne; Epinette, Jean-Alain; and Carlier, Yves. Cotyloidal component for a non-cemented hip prosthesis. 4,828,565, 5-9-89, Cl. 623-22.000.
- Duthoit, Francois, to Thomson-CSF. Method for measuring and correcting the induced magnetization in a nautical vessel. 4,812,759, 3-14-89, Cl. 324-226.000.
- Duthuit, Olivier; Bonnet, Thierry; and Martin, Philippe, to U.S. Philips Corporation. Processor for the elimination of concealed faces for the synthesis of images in three dimensions. 4,812,988, 3-14-89, Cl. 364-522.000.
- Dutko, Peter J.: *See—*
  - Molnar, Arpad; Adams, Darwin P.; Dockendorff, James; Quedens, Phillipp J.; and Dutko, Peter J., 4,869,257, Cl. 128-660.100.
- Dutler, Werner, to Brown & Sharpe Manufacturing Company. Method for automatic compensation of probe offset in a coordinate measuring machine. 4,866,643, 9-12-89, Cl. 364-571.020.
- Duto S.p.A.: *See—*
  - Mancini, Maria; and Gasperi, Carlo, 4,870,261, Cl. 235-382.000.
- Dutois, Franck: *See—*
  - Mouchart, Jacques; Villela, Gerard; Dutois, Franck; and Pointu, Bernard, 4,840,442, Cl. 350-1.600.
- Dutschke, Reginald V. Adjustable throw eccentric drive. 4,862,756, 9-5-89, Cl. 74-26.000.
- Dutt, Herbert V., to Continental Plastics, Inc. Closure system with extendable tamper band bonded to container. 4,844,272, 7-4-89, Cl. 215-232.000.
- Dutt, Herbert V.; and Lewis, Duane H., to Continental Plastics, Inc. Tamper evident closure with hook-like locking tabs. 4,856,665, 8-15-89, Cl. 215-252.000.
- Dutt, William H., to Albany International Corp. Papermachine clothing. 4,799,998, 1-24-89, Cl. 162-348.000.
- Dutt, William H., to Albany International Corp. Method for depositing particles and a binder system on a base fabric. 4,847,116, 7-11-89, Cl. 427-195.000.
- Dutton, Bradley C. Broadcast data storage and retrieval system. 4,887,308, 12-12-89, Cl. 455-156.000.
- Dutton, Clifton C.: *See—*
  - Bergeron, Daniel R.; and Dutton, Clifton C., 4,882,473, Cl. 235-380.000.
- Dutton, Drew J.: *See—*
  - Johnson, William M.; Olson, Timothy A.; Dutton, Drew J.; Lee, Sherman; and Stoenner, David W., 4,878,166, Cl. 364-200.000.
- Dutton, Frank A.: *See—*
  - Garrood, David; Crawshaw, Roger; Henderson, Ian; and Dutton, Frank A., 4,833,484, Cl. 343-781.0CA.
- Dutton-Lainson Corporation: *See—*
  - Barkouskie, Ronnie, 4,884,729, Cl. 224-42.210.
- Dutton, Patricia L.: *See—*
  - McNulty, M. Christa; Schricker, Karl E.; Coleman, Glenn H.; Dutton, Patricia L.; and Lystad, Garr S., 4,868,755, Cl. 364-434.000.
- Duttweiler, Donald L.: *See—*
  - Chamzas, Christodoulos; and Duttweiler, Donald L., 4,870,497, Cl. 358-426.000.
- Dutz, Karl-Hein; Linke, Adolf; Wilmer, Gerhard; and Kuehn, Michael, to Krupp Koppers GmbH. Method of and device for recovering heat energy of hot raw gas gererated a coal gasification arrangement of an electric energy generating plant. 4,825,638, 5-2-89, Cl. 60-39.020.
- Dutzmann, Stefan; Reinecke, Paul; and Scheinpflug, Hans, to Bayer Aktiengesellschaft. Combating pseudocercosporella Herpotrichoides 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-yl-methyl)-pentan-3-ol. 4,845,117, 7-4-89, Cl. 514-383.000.
- Dutzmann, Stefan; Reinecke, Paul; and Bockmann, Klaus, to Bayer Aktiengesellschaft. Use of azolylmethyl-cyclopropylcarbinol derivatives for combating pseudocercosporella herpotrichoides. 4,847,279, 7-11-89, Cl. 514-383.000.
- Dutzmann, Stefan: *See—*
  - Bockmann, Klaus; Stroech, Klaus; Dutzmann, Stefan; and Reinecke, Paul, 4,845,116, Cl. 514-383.000.
  - Elbe, Hans-Ludwig; Dutzmann, Stefan; and Reinecke, Paul, 4,877,446, Cl. 71-92.000.
  - Fest, Christa; Findeisen, Kurt; Brandes, Wilhelm; Dutzmann, Stefan; Hanssler, Gerd; and Reinecke, Paul, 4,886,832, Cl. 514-477.000.
  - Kramer, Wolfgang; Weissmuller, Joachim; Berg, Dieter; and Dutzmann, Stefan, 4,851,405, Cl. 514-212.000.
  - Stroech, Klaus; Frie, Monika; Bockmann, Klaus; Lurssen, Klaus; and Dutzmann, Stefan, 4,888,048, Cl. 71-92.000.
  - Weissmuller, Joachim; Berg, Dieter; Dutzmann, Stefan; and Reinecke, Paul, 4,800,202, Cl. 514-227.000.
  - Weissmuller, Joachim; Dutzmann, Stefan; and Reinecke, Paul, 4,829,063, Cl. 514-229.200.
  - Wollweber, Detlef; Brandes, Wilhelm; Dutzmann, Stefan; and Hanssler, Gerd, 4,849,435, Cl. 514-343.000.
  - Wollweber, Detlef; and Dutzmann, Stefan, 4,871,761, Cl. 514-438.000.
- Duurland, Jozef M., to Polygram International Holding B.V. Apparatus drawer for unambiguously receiving a digital audio tape cassette. 4,864,439, 9-5-89, Cl. 360-96.500.
- Duurland, Jozef M.; and Roering, Johannes J., to Polygram International Holding B.V. Copying apparatus for copying a magnetic pattern from a master magnetic tape on a duplicate magnetic tape and

method of operating such a copying apparatus. 4,882,637, 11-21-89, Cl. 360-16.000.

- Duval, Michel: *See—*
  - Gervais, Pierre; Duval, Michel; and Giroux, Marcel, 4,889,965, Cl. 219-10.55M.
- Duval, Paul A.: *See—*
  - Spillane, Robert T.; Wyrick, Charles A.; Scheller, Holger; and Duval, Paul A., 4,881,383, Cl. 66-194.000.
- Duvdevani, Ilan; Manalastas, Pacifico V.; and Drake, Evelyn N., to Exxon Research and Engineering Company. Substrates coated with neutralized carboxylated polymers. 4,801,498, 1-31-89, Cl. 428-334.000.
- Duvdevani, Ilan: *See—*
  - Kitano, Kissho; Duvdevani, Ilan; and Schulz, Donald N., 4,880,436, Cl. 44-7.300.
  - Schulz, Donald N.; Duvdevani, Ilan; Bock, Jan; and Berluche, Enock, 4,882,405, Cl. 526-265.000.
- Duve, Wolfgang, to Amerace Corporation. Metallic coupling system. 4,829,146, 5-9-89, Cl. 174-94.00R.
- Duvenkamp, Manfred, to General Motors Corporation. Foldable headrest for a vehicle seat, especially for the rear seat of a passenger car. 4,822,102, 4-18-89, Cl. 297-403.000.
- Duvic, Madeleine; and Brewton, Gary W., to Board of Regents, The University of Texas System. Methods and compositions for the treatment of psoriasis. 4,804,651, 2-14-89, Cl. 514-50.000.
- Duvieusart, Jean-Claude, to Compagnie d'Enterprises CFE. Method and device for stressed anchorage. 4,832,534, 5-23-89, Cl. 405-261.000.
- Duvieusart, Jean-Claude; and Le Begge, Maximilien, to Compagnie d'Enterprises CFE. Pressurized fluid storage tank. 4,869,033, 9-26-89, Cl. 52-169.600.
- Duvvury, Charvaka; and Rountree, Robert N., to Texas Instruments Incorporated. Output buffer with improved ESD protection. 4,855,620, 8-8-89, Cl. 307-448.000.
- Duwaer, Arne L., to North American Philips Corporation. Color projection television system with apparatus for correcting misconvergence and misgeometry which calculates coefficients of equations representing deflection correction waveforms. 4,835,602, 5-30-89, Cl. 358-60.000.
- Duwaer, Arne L.: *See—*
  - Van Gorkum, Aart A.; Vriens, Leendert; Duwaer, Arne L.; Spruit, Johannes H. M.; and Van Schoonhoven, Alexander R. H., 4,807,014, Cl. 358-65.000.
- Duwe, William D., to Seismograph Service Corporation. Down hole seismographic source. 4,815,557, 3-28-89, Cl. 181-106.000.
- Duwell, Ernest J.: *See—*
  - Bioecher, Ulrich; and Duwell, Ernest J., 4,799,939, Cl. 51-293.000.
- Duxbury, Colin M.; and Yates, Raymond, to International Computers Limited. Parallel optical data transmission system. 4,797,951, 1-10-89, Cl. 455-608.000.
- Duxbury, Eric: *See—*
  - Haden, John D.; and Duxbury, Eric, 4,812,623, Cl. 219-437.000.
- Duyckinck, Robert W.: *See—*
  - Giusti, Giambattista; and Duyckinck, Robert W., 4,883,509, Cl. 55-326.000.
  - Giusti, Giambattista; and Duyckinck, Robert W., 4,883,510, Cl. 55-326.000.
- Duysings, Frederik M. H. J.; Baxter, David B.; and Barkelew, Chandler H., to Shell Oil Company. Orifice blockage detection system. 4,850,001, 7-18-89, Cl. 378-54.000.
- Duysings, Frederik M. H. J.: *See—*
  - Salter, James A.; Schmidt, Thomas R.; DeWitz, Thomas S.; Arbore, Charles M.; Duysings, Frederik M. H. J.; Van Der Meer, Johannes W.; Brown, David; and Venselaar, Henricus C. J., 4,838,738, Cl. 406-14.000.
- Duyzings, Wilhelmus G.; and Van Lumig, Lambert, to Stamicarbon B.V. Process for the preparation of a thermoplastic with high monomer conversion. 4,871,802, 10-3-89, Cl. 525-84.000.
- Duza, Peter J. Vacuum cryopump with improved first stage. 4,815,303, 3-28-89, Cl. 62-55.500.
- Duzett, Robert C.: *See—*
  - Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli, John L., 4,829,425, Cl. 364-200.000.
  - Bain, William L., Jr.; de Oliveira Camargo, Marcos; Duzett, Robert C.; Lederhofer, Artur H.; Peterson, Craig B.; and Wipfli, John L., 4,853,849, Cl. 364-200.000.
- Dvoracek, Louis M., to Union Oil Company of California. Antifoulant additives for high temperature hydrocarbon processing. 4,810,397, 3-7-89, Cl. 252-35.000.
- Dvorak, Robert E.; and Fattedad, Frank D. Board game apparatus representing destinations. 4,809,987, 3-7-89, Cl. 273-254.000.
- Dvorscek, John; Rostoker, William; and Jarnholm, Arne R., to Rostoker, Inc. Method for decomposing the cyanide radical in cyanide-bearing wastes or materials. 4,802,995, 2-7-89, Cl. 210-761.000.
- Dvorsky, James E., to Battelle Memorial Institute. Topography sensor. 4,811,594, 3-14-89, Cl. 73-105.000.
- Dvorsky, James E., to Battelle Memorial Institute. Texture softness sensing. 4,869,101, 9-26-89, Cl. 73-159.000.
- Dvorsky, James R.: *See—*
  - Duppong, Denis E.; Dvorsky, James R.; Mick, David M.; Brandt, Richard L.; and Rieck, Leland M., 4,796,029, Cl. 342-13.000.
- DVSG Patentverwaltungs GmbH: *See—*
  - Giebel, Gerhard, 4,853,997, Cl. 12-8.300.
  - Morse, Albert I., 4,823,729, Cl. 118-213.000.
- Dwan, Francis J.: *See—*
  - Zacher, A. Richard; Zwagerman, Jay A.; and Dwan, Francis J., 4,800,462, Cl. 361-413.000.
- Dwan, William E.: *See—*
  - Caputo, Garry L.; Saldarelli, Thomas A.; and Dwan, William E., 4,840,270, Cl. 206-205.000.
- Dwek, Raymond A.: *See—*
  - Feder, Joseph; Tolbert, William R.; Rademacher, Thomas W.; Parekh, Raj B.; and Dwek, Raymond A., 4,851,517, Cl. 536-1.100.
  - Fleet, George W. J.; Rademacher, Thomas W.; and Dwek, Raymond A., 4,849,430, Cl. 514-315.000.
- Dwenger, Douglas J.: *See—*
  - Halliday, William G., Jr.; and Dwenger, Douglas J., 4,815,8[illegible], Cl. 403-13.000.
- Dwivedi, Ratnesh K.; and Kennedy, Christopher R., to Lanxide Technology Company, LP. Modified ceramic structures and methods of making the same. 4,806,508, 2-21-89, Cl. 501-94.000.
- Dwivedi, Ratnesh K.; and Irick, Virgil, Jr., to Lanxide Technology Company, LP. Compliant layer. 4,849,266, 7-18-89, Cl. 428-34.400.
- Dwivedi, Ratnesh K.; and Irick, Virgil, Jr., to Lanxide Technology Company, LP. Method of making metal matrix composites. 4,871,008, 10-3-89, Cl. 164-6.000.
- Dwivedi, Ratnesh K., to Lanxide Technology Company, LP. Method of making ceramic composite articles and articles made thereby. 4,886,766, 12-12-89, Cl. 501-87.000.
- Dwivedi, Ratnesh K.: *See—*
  - Newkirk, Marc S.; White, Danny R.; and Dwivedi, Ratnesh K., 4,833,110, Cl. 501-128.000.
- Dworak, Gert: *See—*
  - Staritzbichler, Werner; Dworak, Gert; and Daimer, Wolfgang, 4,871,807, Cl. 525-113.000.
- Dworak, Rainer; and Lohrberg, Karl, to Metallgesellschaft Aktiengesellschaft. Process for producing alkali hydroxide, chlorine and hydrogen by the electrolysis of an aqueous alkali chloride solution in a membrane cell. 4,839,003, 6-13-89, Cl. 204-98.000.
- Dworkin, Jeffrey. Intraoral appliance and method of treating patient. 4,842,519, 6-27-89, Cl. 433-215.000.
- Dworkin-Rastl, Eva: *See—*
  - Swetly, Peter; Dworkin-Rastl, Eva; and Meindl, Peter, 4,820,638, Cl. 435-68.000.
- Dworman, Nancy S.: *See—*
  - Dworman, Ralph M.; and Dworman, Nancy S., 4,878,867, Cl. 446-8.000.
- Dworman, Ralph M.; and Dworman, Nancy S., to Ralphco Inc. Coin bank. 4,878,867, 11-7-89, Cl. 446-8.000.
- Dworschak, Heinz: *See—*
  - Pierini, Giancarlo; Dworschak, Heinz; Spelta, Bruno; and Vansant, Etienne, 4,867,762, Cl. 55-31.000.
- Dworski, Michael. Fishing lure. 4,831,770, 5-23-89, Cl. 43-42.240.
- Dwyer, Arthur L.: *See—*
  - Miller, Ronnie F.; Dwyer, Arthur L.; Miller, Darwin A.; and Miller, Darwin L., 4,879,896, Cl. 73-46.000.
- Dwyer, E. Jane: *See—*
  - Potter, Anthony B.; Wilson, John K.; Quackenbush, Kirk; and Dwyer, E. Jane, 4,867,154, Cl. 128-207.170.
- Dwyer, Eugene J., to Silhouette Technology, Inc. Film printing/reading system. 4,829,339, 5-9-89, Cl. 355-20.000.
- Dwyer, Francis G.; and Schwartz, Albert B., to Mobil Oil Corporation. Continuous process for manufacturing crystalline zeolites in continuously stirred backmixed crystallizers. 4,818,509, 4-4-89, Cl. 423-329.000.
- Dwyer-Hallquist, Patricia; Becker, William J.; Miller, Robert E.; and Glanz, Kenneth D., to Appleton Papers Inc. Fluoran derivatives and their use in recording materials. 4,837,210, 6-6-89, Cl. 544-150.000.
- Dwyer Instruments, Inc.: *See—*
  - Buchanan, Steven O., 4,841,782, Cl. 73-861.740.
  - Clark, Stephen S.; and Donnelly, John M., 4,827,095, Cl. 200-83.00J.
  - Hestich, John, 4,838,090, Cl. 73-738.000.
  - Olson, Thomas R., 4,860,583, Cl. 73-204.150.
- Dwyer, John J.; and Chamberlin, David B., to Dictaphone Corporation. Modular dictation/transcription system having plural recording modules and a common display. 4,809,116, 2-28-89, Cl. 360-137.000.
- Dwyer, John J.; Jachmann, Emil F.; Harris, Mark N.; and Beloin, Brian F., to Dictaphone Corporation. Display for modular dictation/transcription system. 4,858,213, 8-15-89, Cl. 369-28.000.
- Dwyer, John J.: *See—*
  - Chamberlin, David B.; Dwyer, John J.; Grey, Suzanne N.; Jachmann, Emil F.; and Saltzman, Jeremy, 4,817,127, Cl. 379-67.000.
- Dwyer, Stephen M.: *See—*
  - Spenadel, Lawrence; Grosser, Joel H.; and Dwyer, Stephen M., 4,843,129, Cl. 525-240.000.
- Dyadechko, Vladimir N.; Nesterov, Ivan I.; Tolstokorova, Lidia E.; and Platonova, Svetlana V., to Zapakno-Sibirsky Nauchno-Issledovatelsky Geologorazvedochny neftyanoi institut (Zapsibnigni). Bacterial compositon and method for recovery of oil-polluted water and soil. 4,822,490, 4-18-89, Cl. 210-611.000.
- Dyck, George J., to Raleigh Equities Ltd. Water spray nozzle including combined intake nozzle and valve structure. 4,834,292, 5-30-89, Cl. 239-446.000.
- Dyck, George J., to Raleigh Equities Ltd. Water spray nozzle including combined intake nozzle and valve structure. 4,848,667, 7-18-89, Cl. 239-446.000.
- Dyck, Rudolph H.; and Kim, Jae S., to Sangamo Weston, Inc. Grooved Schottky barrier photodiode for infrared sensing. 4,876,586, 10-24-89, Cl. 357-30.000.
- Dyckerhoff & Widmann Aktiengesellschaft: *See—*
  - Aicher, Max; Jungwirth, Dieter; Klein, Hans-Wilhelm; and Russwurm, Dieter, 4,877,463, Cl. 148-12.00B.
  - Bomhard, Helmut; Fischer, Ernst; and Rudat, Dieter, 4,884,711, Cl. 220-5.00A.
  - Buchler, Wilhelm; Lippert, Walter; and Maier, Lorenz, 4,854,028, Cl. 29-452.000.
  - Finsterwalder, Klemens; and Bartsch, Rudiger, 4,850,746, Cl. 405-260.000.
  - Frohlich, Herbert, 4,801,222, Cl. 405-184.000.
  - Jungwirth, Dieter, 4,856,254, Cl. 52-741.000.
  - Maier, Lorenz; Buchler, Wilhelm; Neumann, Harald; and Lonnecke, Karl H., 4,856,173, Cl. 29-445.000.
  - Nutzel, Oswald, 4,848,052, Cl. 52-230.000.
  - Nutzel, Oswald; Zimmermann, Egbert; and Jungwirth, Dieter, 4,878,327, Cl. 52-230.000.
- Dyckner, Thomas R.: *See—*
  - Wester, Per O.; and Dyckner, Thomas R., 4,855,289, Cl. 514-171.000.
- Dye, Charles B.: *See—*
  - Morgan, Richard E.; and Dye, Charles B., 4,836,961, Cl. 264-3.100.
- Dye, Charles J.: *See—*
  - Dennis, Robert W.; Dye, Charles J.; and Keasey, Alan, 4,839,096, Cl. 252-8.515.
- Dye, Clifford L., to Eaton Stamping Company. Motor end cap. 4,801,833, 1-31-89, Cl. 310-239.000.
- Dye, John F., to Kendall Company, The. Manifold coupling assembly. 4,804,208, 2-14-89, Cl. 285-26.000.
- Dye, John F.: *See—*
  - Kolstedt, Mark; and Dye, John F., 4,858,596, Cl. 128-24.00R.
- Dye, Leonard. Chuck for rotary metal cutting tool. 4,795,292, 1-3-89, Cl. 409-136.000.
- Dye, Robert F., to Shell Oil Company. Ethylene oxide/glycols recovery process. 4,822,926, 4-18-89, Cl. 568-867.000.
- Dye, Robert H., to Environmental Research Institute of Michigan. Collision avoidance alarm system. 4,872,051, 10-3-89, Cl. 358-103.000.
- Dye, Wayne K., Jr.: *See—*
  - Fransen, Sig T.; and Dye, Wayne K., Jr., 4,852,509, Cl. 114-263.000.
- Dyer, Christopher K., to Bell Communications Research, Inc. Primary source of electrical energy using a mixture of fuel and oxidizer. 4,863,813, 9-5-89, Cl. 429-33.000.
- Dyer, David P. Shotgun choke insertion and removal tool. 4,878,366, 11-7-89, Cl. 42-90.000.
- Dyer, Gerald E., to United States of America, National Aeronautics and Space Administration. Trailer shield assembly for a welding torch. 4,839,489, 6-13-89, Cl. 219-74.000.
- Dyer, Gerald E.: *See—*
  - Gordon, Stephen S.; Dyer, Gerald E.; and Flanigan, Lee A., 4,803,339, Cl. 219-145.210.
  - Morgan, Gene E.; and Dyer, Gerald E., 4,879,446, Cl. 219-75.000.
- Dyer, Gerald P., to United Technologies Corporation. Densimeter. 4,809,499, 3-7-89, Cl. 60-39.281.
- Dyer, Gerald P., to United Technologies Corporation. Densimeter. 4,876,880, 10-31-89, Cl. 73-32.00R.
- Dyer, Gloria. Apparatus for converting a car seat to a stroller. 4,852,894, 8-1-89, Cl. 280-30.000.
- Dyer, Henry B.: *See—*
  - Levitt, Charlie M.; and Dyer, Henry B., 4,816,682, Cl. 250-337.000.
- Dyer, John A.: *See—*
  - Runkles, Richard R.; Dyer, John A.; and Beyer, Jack W., 4,881,760, Cl. 285-93.000.
- Dyer, Maurice J.: *See—*
  - Ford, John W.; and Dyer, Maurice J., 4,824,002, Cl. 226-197.000.
- Dyer, Michael E., to Intera Corporation. Treatment of Lewis base polymers to improve antistatic, hygroscopic and dye receptive properties. 4,806,125, 2-21-89, Cl. 8-116.100.
- Dyer, Nigel P., to Plessey Overseas Limited. Interpolator/decimator filter structure and a digital filter therefor. 4,864,526, 9-5-89, Cl. 364-724.100.
- Dyer, Nigel P.: *See—*
  - Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
- Dyer, Paul N.: *See—*
  - Garg, Diwakar; Dyer, Paul N.; Schaffer, Leslie E.; Wrecsics, Ernest L.; Dimos, Duane; and Mueller, Carl F., 4,855,188, Cl. 428-627.000.
  - Garg, Diwakar; Dyer, Paul N.; and Dimos, Duane, 4,873,152, Cl. 428-627.000.
  - Garg, Diwaker; Klucher, Beth A.; Dyer, Paul N.; Kidd, Richard W.; and Ceccarelli, Christopher, 4,874,642, Cl. 427-249.000.
- Dyer, Richard A.; Knauer, Michael J.; Rabenberg, Berle E.; Bentley, Arthur C.; and Keelor, Richard O., to Powercise International Corporation. Electronically controlled exercise system. 4,828,257, 5-9-89, Cl. 272-129.000.
- Dyer, Robert D.: *See—*
  - Bosch, A. Allen; and Dyer, Robert D., 4,826,059, Cl. 224-183.000.
- Dyer, William B. Side view mirror attachment. 4,863,254, 9-5-89, Cl. 350-[illegible]1.000.

- Dyess, Larry B.; and Ball, Kenneth R. Wheelchair with pivoted basket. 4,795,182, 1-3-89, Cl. 280-289.0WC.
- Dygert, Timothy W.: *See—*
  - Kniskern, Robert J.; Dygert, Timothy W.; Chesney, Casey; and Blomenberg, Timothy, 4,868,901, Cl. 250-222.200.
- Dyke, Andrew F., to British Petroleum Company p.l.c., The. Process for the production of a synthesis gas conversion catalyst. 4,795,850, 1-3-89, Cl. 585-500.000.
- Dyke, Denis G., to American Sterilizer Company. Self-seal sterilization pouch. 4,874,090, 10-17-89, Cl. 206-439.000.
- Dyke, Denis G.: *See—*
  - Welsh, Jon D.; and Dyke, Denis G., 4,839,291, Cl. 435-296.000.
- Dyke, Harry J.; and Korn, Yoram, to Rockwell International Corporation. Digital loop carrier system having multiplexed interrupt structure. 4,881,225, 11-14-89, Cl. 370-95.100.
- Dyke, Harry J., to Rockwell International Corporation. Digital loop carrier system having programmable timeslot and bandwidth allocation circuit. 4,888,765, 12-19-89, Cl. 370-95.100.
- Dyke, Stanley F.; and Phillipps, Gordon H., to Glaxo Group Limited. Isoquinoline compound. 4,831,039, 5-16-89, Cl. 514-283.000.
- Dyke, Stanley F.: *See—*
  - Phillipps, Gordon H.; Dyke, Stanley F.; Bailey, Esme J.; Howes, Peter D.; and Scopes, David I. C., 4,835,158, Cl. 514-279.000.
- Dykema, Owen W., to Transalta Resources Corporation. Coal additives. 4,807,542, 2-28-89, Cl. 110-343.000.
- Dykema, Robert A.; and Pleskunas, Stanley A. Pivoting deck snow board. 4,848,781, 7-18-89, Cl. 280-14.200.
- Dyken, Ray, to Victory Equipment (1983) Limited. Agricultural implement with foldable wing. 4,878,545, 11-7-89, Cl. 172-776.000.
- Dykes, Charles D.: *See—*
  - Carmichael, Robert J.; Dykes, Charles D.; and Woodrow, Ronald, 4,830,089, Cl. 164-481.000.
  - Kaiser, Timothy D.; Daniel, Sabah S.; and Dykes, Charles D., 4,813,471, Cl. 164-451.000.
- Dykes, David S.; and Kuhnemann, Klaus D., to Du Pont Canada Inc. Extrusion of composition of polyamide and epoxide. 4,845,168, 7-4-89, Cl. 525-423.000.
- Dykes, John, to MIU Automation. Encryption printed circuit board. 4,797,928, 1-10-89, Cl. 380-49.000.
- Dykes, Norman L.: *See—*
  - Holcombe, Cressie E.; Dykes, Norman L.; Kimrey, Harold D., Jr.; and Mills, James E., 4,810,846, Cl. 219-10.55R.
  - Holcombe, Cressie E.; Dykes, Norman L.; and Meek, Thomas T., 4,880,578, Cl. 264-26.000.
- Dykman, K. Rand: *See—*
  - Francis, Thomas; and Dykman, K. Rand, 4,848,380, Cl. 134-22.120.
- Dykmans, Max J. Method and apparatus for constructing circumferentially wrapped prestressed structures utilizing a membrane. 4,879,859, 11-14-89, Cl. 52-741.000.
- Dykmans, Max J. Ripple-free flow, accurate mix, and automated spray system. 4,884,747, 12-5-89, Cl. 239-61.000.
- Dykstra, Herman: *See—*
  - Dickinson, Ben W. O.; Anderson, Randall R.; Dickinson, Robert W.; Dickinson, Eric W., and Dykstra, Herman, 4,865,128, Cl. 166-278.000.
- Dykstra, Richard A., to Briggs & Stratton Corporation. Breakerless ignition system with electronic advance. 4,817,577, 4-4-89, Cl. 123-651.000.
- Dykstra, Richard A., to Briggs & Stratton Corporation. Cyclic responding electronic speed governor. 4,875,448, 10-24-89, Cl. 123-352.000.
- Dykstra, Ronald A.; and Hoeve, James H., to Prince Corporation. Container holder for a vehicle. 4,818,017, 4-4-89, Cl. 297-194.000.
- Dykstra, Ronald A.; and Fluharty, William J., to Prince Corporation. Visor. 4,858,982, 8-22-89, Cl. 296-97.500.
- Dykstra, Ronald A.: *See—*
  - Fluharty, William J.; Dykstra, Ronald A.; and Hawks, Mark W., 4,824,159, Cl. 296-37.700.
- Dykstra, Steven P.: *See—*
  - Van Order, Kim L.; Dykstra, Steven P.; and Dekker, Ted A., 4,847,737, Cl. 362-137.000.
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  - Osther, Kurt B.; and Dyll, Louis M., 4,885,235, Cl. 435-5.000.
- Dyma, Horst: *See—*
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- Dymax Corporation: *See—*
  - Westervelt, Richard A., 4,819,842, Cl. 222-642.000.
- Dyment, James A.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., to Dyment Limited. Article display apparatus. 4,794,764, 1-3-89, Cl. 62-250.000.
- Dyment, James A.; Callon, Floyd R.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., to Dyment Limited. Article display apparatuses and elongated, deflectable racks. 4,848,856, 7-18-89, Cl. 312-135.000.
- Dyment Limited: *See—*
  - Dyment, James A.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,794,764, Cl. 62-250.000.
  - Dyment, James A.; Callon, Floyd R.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,848,856, Cl. 312-135.000.
- Dymond, Richard W., to TRW Inc. Power steering system. 4,819,545, 4-11-89, Cl. 91-371.000.
- Dyna-5, Inc.: *See—*
  - DeMatteo, John A.; and Pilant, Gregory P., 4,859,359, Cl. 252-174.150.
  - Hampe, Patrick; and Kelbert, Serge, 4,837,261, Cl. 524-268.000.

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Dynamet Technology Inc.: *See—*
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Rosman, Alan H., 4,848,085, Cl. 60-372.000.
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Bakewell, Joseph J., 4,839,001, Cl. 204-11.000.
Bakewell, Joseph J., 4,875,281, Cl. 29-825.000.
Bakewell, Joseph J., 4,881,087, Cl. 346-139.00C.
Dynamit Nobel Aktiengesellschaft: *See—*
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Hoffmann, Gerhart; Irlweck, Karl; and Cordes, Rudolf, 4,820,862, Cl. 560-77.000.
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Dynamit Nobel of America, Inc.: *See—*
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Dynascan Corporation: *See—*
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Dynes, Robert C.; Short, Kenneth T.; and White, Alice E., to American Telephone and Telegraph Company. AT&T Bell Laboratories. Method of making a heteroepitaxial structure by mesotaxy induced by buried implantation. 4,816,421, 3-28-89, Cl. 437-26.000.
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Wareham, William, 4,858,471, Cl. 73-706.000.
Dynobel A/S: *See—*
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Flodman, Leif A.; and Gabrielsson, Per Erik G., 4,857,609, Cl. 525-497.000.
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Dyott, Richard B., to Andrew Corporation. Fiber optic doppler anemometer. 4,818,071, 4-4-89, Cl. 356-28.500.
Dyrkorn, Arnfinn, to Brodr. Brunvoll Motorfabrikk A/S. Elastically supported thruster structure. 4,884,985, 12-5-89, Cl. 440-52.000.
Dyroff, David R.; Getman, Daniel P.; and Glascock, Joan K., to Monsanto Company. Sulfone peroxycarboxylic acids. 4,824,591, 4-25-89, Cl. 252-94.000.
Dyroff, David R.: *See—*
MacFarlane, Alistair; Dyroff, David R.; and Brill, Robert V., 4,824,997, Cl. 560-179.000.
Dyrud, James F.; Berg, Harvey J.; and Murray, Alice C., to Minnesota Mining and Manufacturing Company. Resilient shape-retaining fibrous filtration face mask. 4,807,619, 2-28-89, Cl. 128-206.160.
Dysart, Theodore R., to Dresser Industries, Inc. Drilling bit with improved trailing edge vent. 4,813,702, 3-21-89, Cl. 175-337.000.
Dysarz, Edward D., to Dynovation Design and Engineering Inc. Semi submersible device and method to set and salvage marine superstructures. 4,829,924, 5-16-89, Cl. 114-32.000.
Dysarz, Edward D. Semi submersible device and method of transporting a marine superstructure and placing it onto or removing it from a marine structure. 4,874,269, 10-17-89, Cl. 405-209.000.
Dysarz, Edward D. Device and method to safely elevate stabilize and lower a wheel chair. 4,886,288, 12-12-89, Cl. 280-250.100.
Dyson, Clive M., to Philips Electronic; and Associated Industries Limited. Imaging devices, elements and systems. 4,801,802, 1-31-89, Cl. 250-330.000.
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Dyson, Clive M.: *See—*
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Dyson, David J.; and Chew, Anthony L., to Kern Electric Components Limited. Screened multicore cable connectors. 4,830,628, 5-16-89, Cl. 439-584.000.
Dyson, James, to Prototypes, Ltd. Vacuum cleaning apparatus. 4,826,515, 5-2-89, Cl. 55-345.000.
Dyson, James, to Notetry Limited. Combined disc and shroud for dual cyclonic cleaning apparatus. 4,853,008, 8-1-89, Cl. 55-345.000.
Dyson, James, to Notetry Limited. Vacuum cleaning apparatus. 4,853,011, 8-1-89, Cl. 55-345.000.
Dyson-Kissner-Moran Corporation, The: *See—*
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Dytel Corporation: *See—*
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Dzik, Stanley J. Flight destination board game. 4,811,952, 3-14-89, Cl. 273-258.000.
Dziki, Michael M.; and Bryan, Thomas T., to Minnesota Mining and Manufacturing Company. Extra-oral dental restoration. 4,854,875, 8-8-89, Cl. 433-213.000.
Dzioba, Donald L., to General Motors Corporation. Transmission shift control assembly. 4,821,605, 4-18-89, Cl. 74-850.000.

Dziobek, Frank; and Mollenhoff, Horst, to Deutsche Babcock Werke Aktiengesellschaft. Method and device for cooling flue dust. 4,877,423, 10-31-89, Cl. 55-27.000.
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Dziondziak, Klaus, to Holsten-Brauerei AG. Method for the production of alcohol-free beer. 4,882,177, 11-21-89, Cl. 426-14.000.
Dziubakowski, Donald J.; Keyes, Marion A., IV; and Shaffer, Jeremiah J., to Babcock & Wilcox Company, The. Compressor surge control system. 4,861,233, 8-29-89, Cl. 417-201.000.
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Dziurla, Heinz-Jurgen; Weber, Hans-Leo; Freitag, Dieter; and Waldenrath, Werner, to Bayer Aktiengesellschaft. Process for the manufacture of printed circuits. 4,859,263, 8-22-89, Cl. 156-233.000.
Dziurla, Heinz-Jurgen; Freitag, Dieter; Waldenrath, Werner; Burkhardt, Claus; and Schulte, Bernhard, to Bayer Aktiengesellschaft. Moulded bodies containing carbon. 4,876,033, 10-24-89, Cl. 252-511.000.
Dzjuben, Vitaly S.; Sazhin, Alexandr D.; Zhitnikov, Valery K.; and Konoplyanko, Anatoly I. Device for remote control of electrical apparatus. 4,875,040, 10-17-89, Cl. 340-825.060.
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Dzung, Dacfey, to BBC Brown Boveri AG. Signal transmission method. 4,882,737, 11-21-89, Cl. 375-15.000.
Dzung, John C.: *See—*
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Dzurkovich, Joseph A.: *See—*
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Jones, J. Philip E.; Salinas, Jorge E.; Geho, Keryn N.; Dunaway, Weyman H.; and Raythatha, Rasik H., 4,851,048, Cl. 106-446.000.
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Knudson, Milburn I., Jr., 4,849,006, Cl. 71-64.110.
Prescott, Paul I.; and Rice, C. Arlyn, 4,810,573, Cl. 428-405.000.
Raythatha, Rasik H., 4,806,167, Cl. 106-465.000.
Raythatha, Rasik H.; and Andrews, E. Wayne, 4,816,074, Cl. 106-468.000.
Raythatha, Rasik H.; and Brannen, Joshua O., III, 4,818,294, Cl. 106-487.000.
Raythatha, Rasik H.; and Andrews, E. Wayne, 4,826,536, Cl. 106-465.000.
Raythatha, Rasik H., 4,855,268, Cl. 502-63.000.
Rice, C. Arlyn, 4,810,580, Cl. 428-409.000.
Rice, Camilla A., 4,798,766, Cl. 428-404.000.
Rice, Camilla A., 4,859,718, Cl. 523-202.000.
Tatarchuk, Bruce J.; and Raythatha, Rasik H., 4,804,527, Cl. 423-351.000.
E.C.C. International Limited: *See—*
Adams, Roger W.; Falcon-Steward, Hugh R.; and Pearce, David A., 4,852,811, Cl. 241-1.000.
Gane, Patrick A. C.; and O'Neill, Graham P., 4,854,971, Cl. 106-286.500.
E.C.H. Will (GmbH & Co.): *See—*
Besemann, Alfred, 4,842,125, Cl. 198-457.000.
Besemann, Alfred, 4,878,659, Cl. 271-218.000.
Peter, Jurgen; and Schlottke, Karl-Heinz, 4,842,573, Cl. 493-412.000.
Schlottke, Karl-Heinz; and Peter, Jurgen, 4,854,932, Cl. 493-357.000.
Wolf, Wolfram; Reissman, Klaus; and Lembcke, Horst, 4,807,739, Cl. 198-415.000.
E C O GmbH Elektric Concept for Offices Produktion + Marketing: *See—*
Dorn, Uwe; Meyer, Horst; Piorek, Hans-Georg; and Miller, Rudolf, 4,795,355, Cl. 439-215.000.
E.C.V. Company: *See—*
Restivo, David J., 4,841,592, Cl. 15-210.00R.
E.D.A. Research & Development Limited: *See—*
Snell, Julien D., 4,825,207, Cl. 340-825.170.
E. D. Bullard Company: *See—*
Oleson, Richard A., 4,888,831, Cl. 2-420.000.
E. D. Etnyre & Company: *See—*
Dalton, William J., 4,817,870, Cl. 239-157.000.
E&E Engineering, Inc.: *See—*
Lutz, Peter J., III, 4,888,926, Cl. 52-291.000.
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Lamort, Pierre, 4,818,339, Cl. 162-4.000.
E. F. International S.A.: *See—*
Invernizzi, Cesare G., 4,816,611, Cl. 174-2.000.
E. F. Johnson Company: *See—*
Carlson, Jerrold L., 4,889,961, Cl. 29-846.000.
Grindahl, Mervin L., 4,876,700, Cl. 375-87.000.
E.F.L. Electro-Flood Ltd.: *See—*
Edwards, Lloyd, 4,836,286, Cl. 166-304.000.
E & G Classics, Inc.: *See—*
Eash, David D., 4,863,211, Cl. 296-136.000.
E.G.O. Elektro-Gerate Blanc U. Fischer: *See—*
Goessler, Gerhard; and Schreder, Felix, 4,808,798, Cl. 219-464.000.
Goessler, Gerhard, 4,810,857, Cl. 219-464.000.
Goessler, Gerhard; Wilde, Eugen; and Kicherer, Robert, 4,845,340, Cl. 219-464.000.
Kicherer, Robert; Schreder, Felix; Reif, Stefan; and Schneider, Uwe, 4,818,846, Cl. 219-458.000.
Kicherer, Robert; Essig, Willi; and Mannuss, Siegfried, 4,829,279, Cl. 337-94.000.
Kicherer, Robert; Schreder, Felix; and Reif, Stefan, 4,861,969, Cl. 219-458.000.
Kicherer, Robert, 4,871,902, Cl. 219-458.000.
Knauss, Hermann, 4,825,043, Cl. 219-298.000.
Lorenz, Josef; Kicherer, Robert; and Keller, Ewald, 4,864,106, Cl. 219-543.000.
Schreder, Felix, 4,804,822, Cl. 219-458.000.
Schreder, Felix; and Krist, Josef, 4,808,797, Cl. 219-458.000.
Schreder, Felix, 4,814,582, Cl. 219-460.000.
Schreder, Felix, 4,843,217, Cl. 219-458.000.
Schreder, Felix, 4,888,470, Cl. 219-458.000.
E. Gluck Corporation: *See—*
Hartman, Herbert N., 4,830,181, Cl. 206-45.190.
E. J. Ajax & Sons, Co., Inc.: *See—*
Ajax, Erick S., 4,846,079, Cl. 108-156.000.
E. J. Brooks Company: *See—*
Guiler, Richard S., 4,832,387, Cl. 292-320.000.
Swift, Allan W.; and Venable, Frank, 4,811,977, Cl. 292-307.00A.
Swift, Allan W., 4,836,590, Cl. 292-320.000.
E. L. Nickell, Co., Inc.: *See—*
Ayub, Zahid H., 4,805,694, Cl. 165-158.000.
E-Lite Technologies, Inc.: *See—*
Appelberg, Gustaf T., 4,856,392, Cl. 83-40.000.
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Vanderheyden, Herman E. C., 4,860,466, Cl. 38-8.000.
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Schmiga, Hubert; and Wagner, Klaus, 4,834,948, Cl. 422-186.190.
E M I Limited: *See—*
Woolcock, Sydney C., 4,868,917, Cl. 342-26.000.
E & M Lamort: *See—*
Lamort, Jean-Pierre, 4,838,301, Cl. 137-240.000.
Lamort, Jean-Pierre, 4,842,777, Cl. 261-79.200.
Lamort, Pierre, 4,846,971, Cl. 210-232.000.
E.M.M. Emiliana Macchine Maglieria S.r.l.: *See—*
Stoppazzini, Benito, 4,873,845, Cl. 66-126.00R.
Stoppazzini, Benito, 4,881,382, Cl. 66-126.00R.
E.M.M., S.r.l.: *See—*
Stoppazzini, Benito, 4,852,369, Cl. 66-64.000.
Stoppazzini, Benito, 4,854,134, Cl. 66-152.000.
E-Mon Corporation: *See—*
Hahn, Arthur, 4,851,803, Cl. 336-176.000.
E.P. Barrus Limited: *See—*
Glen, Robert D., 4,808,131, Cl. 440-63.000.
Glen, Robert D., 4,840,752, Cl. 261-72.100.

- E. P. Remy & Cie.: *See—*
  - Lemaire, Didier; and Dronet, Jean-Marc, 4,823,934, Cl. 198-470.100.
  - Lemaire, Didier; and Dronet, Jean-Marc, 4,852,745, Cl. 209-588.000.
  - Lemaire, Didier; and Dronet, Jean-Marc, 4,860,519, Cl. 53-167.000.
- E.R.C.D. Industries Inc.: *See—*
  - Da Silva, Jean, 4,875,509, Cl. 141-38.000.
- E. R. Carpenter Company, Inc.: *See—*
  - Watson, Stuart L., Jr.; Hostler, Paul H.; and Haley, David L., 4,816,494, Cl. 521-137.000.
- E and R Investments: *See—*
  - Wile, Raymond G.; and Middien, Ismail F., 4,820,450, Cl. 252-545.000.
- E. R. Squibb & Sons, Inc.: *See—*
  - Anderson, Neal G.; and Anderson, Carl F., 4,826,973, Cl. 540-355.000.
  - Atwal, Karnail, 4,824,831, Cl. 514-213.000.
  - Atwal, Karnail, 4,847,379, Cl. 544-316.000.
  - Atwal, Karnail; and Rovnyak, George C., 4,855,301, Cl. 514-269.000.
  - Atwal, Karnail, 4,859,676, Cl. 514-258.000.
  - Atwal, Karnail, 4,870,072, Cl. 514-212.000.
  - Atwal, Karnail, 4,883,872, Cl. 544-263.000.
  - Auth, David C., 4,829,999, Cl. 128-303.00R.
  - Biller, Scott A.; and Misra, Raj N., 4,843,082, Cl. 514-311.000.
  - Biller, Scott A., 4,871,721, Cl. 514-102.000.
  - Breuer, Hermann; Drossard, Jakob-Matthias; Ermann, Peter H.; Straub, Henner; and Treuner, Uwe D., 4,801,705, Cl. 540-357.000.
  - Coury, Frank; Frank, Margaret A.; and Sivilich, Daniel M., 4,820,289, Cl. 604-349.000.
  - Czetwertynski, Albert S., 4,805,810, Cl. 222-319.000.
  - Delaney, Norma G.; Gordon, Eric M.; and Ondetti, Miguel A., 4,798,904, Cl. 558-254.000.
  - Devlin, Richard G., 4,855,315, Cl. 514-422.000.
  - DiPietro, Richard A.; Tu, Jan-I; and Turabi, Noor Z., 4,857,522, Cl. 514-212.000.
  - Edwards, John V.; and Freeman, Frank M., 4,850,985, Cl. 604-339.000.
  - Ermann, Peter H., 4,871,841, Cl. 540-363.000.
  - Faustino, Marilia M.; Varia, Sailesh A.; and Serajuddin, Abu T. M., 4,868,170, Cl. 514-179.000.
  - Ferguson, Keith T., 4,826,496, Cl. 604-339.000.
  - Francesconi, Lynn C.; and Treher, Elizabeth N., 4,871,836, Cl. 534-10.000.
  - Freeman, Frank M., 4,816,023, Cl. 604-339.000.
  - Godfrey, Jollie D.; Mueller, Richard H.; and Zahler, Robert, 4,889,930, Cl. 540-363.000.
  - Grover, Gary J., 4,820,733, Cl. 514-613.000.
  - Grover, Gary J., 4,857,548, Cl. 514-469.000.
  - Haslanger, Martin F.; and Gordon, Eric M., 4,889,874, Cl. 514-575.000.
  - Hesketh, Mark L., 4,874,380, Cl. 604-180.000.
  - Jensen, Ole R., 4,846,820, Cl. 604-339.000.
  - Joshi, Yatindra M.; Bachman, William R.; and Jain, Nemichand B., 4,808,413, Cl. 424-458.000.
  - Karanewsky, Donald S., 4,804,770, Cl. 556-405.000.
  - Keyes, Denis E.; and Aronoff, Marvin S., 4,830,187, Cl. 206-524.700.
  - Klatte, Bernd; Ferme, Vencenzo; Herrmann, Fritz; Hebborn, Hans-Gerd; and Poliwczyk, Oskana, 4,801,047, Cl. 222-163.000.
  - Leise, Walter F.; and Johnsen, Kenneth A., 4,820,285, Cl. 604-339.000.
  - Loots, Melanie J.; and Karanewsky, Donald S., 4,849,414, Cl. 514-63.000.
  - MacDougall, Morag M., 4,822,347, Cl. 604-329.000.
  - Meyers, Edward; and Parker, William L., 4,842,857, Cl. 424-116.000.
  - Misra, Raj N., 4,814,454, Cl. 546-171.000.
  - Newsham, E. A.; Forrester, Jeffrey W.; and Rowley, Duncan J., 4,867,970, Cl. 424-81.000.
  - Ogletree, Martin L., 4,808,627, Cl. 514-469.000.
  - Ogletree, Martin L., 4,839,384, Cl. 514-277.000.
  - O'Laughlin, Richard L.; Panaggio, Andrea; and Varia, Sailesh A., 4,868,168, Cl. 514-179.000.
  - O'Laughlin, Richard L.; Panaggio, Andrea; and Varia, Sailesh A., 4,868,169, Cl. 514-179.000.
  - Patel, Dinesh V., 4,820,691, Cl. 514-19.000.
  - Payne, Nicholas I.; and Salmon, J. Roger, 4,830,858, Cl. 424-450.000.
  - Petrillo, Edward W., Jr.; Karanewsky, Donald S.; Thottathil, John K.; Heikes, James E.; and Grosso, John A., 4,873,356, Cl. 558-180.000.
  - Ramalingham, Kondareddiar, 4,864,051, Cl. 558-302.000.
  - Ryono, Denis E.; and Weller, Harold N., III, 4,885,292, Cl. 514-211.000.
  - Sharik, Clyde L.; and Berejka, Anthony J., 4,860,754, Cl. 128-640.000.
  - Slusarchyk, William A.; and Dejneka, Tamara, 4,812,564, Cl. 540-355.000.
  - Steer, Peter L., 4,795,435, Cl. 604-355.000.
  - Steer, Peter L.; and Wiltshire, Neil P., 4,834,732, Cl. 604-342.000.
  - Steer, Peter L.; and Steer, Graham E., 4,854,737, Cl. 383-127.000.
  - Steer, Peter L., 4,867,749, Cl. 604-337.000.
  - Steer, Peter L.; and Steer, Graham E., 4,876,788, Cl. 29-508.000.
  - Steer, Peter L., 4,883,477, Cl. 604-339.000.
  - Sundeen, Joseph E.; Floyd, David; and Lee, Ving G., 4,888,424, Cl. 544-288.000.
  - Thottathil, John K., 4,816,579, Cl. 548-229.000.
  - Thottathil, John K., 4,851,514, Cl. 534-15.000.
  - Thottathil, John K., 4,851,553, Cl. 549-463.000.
  - Thottathil, John K., 4,885,364, Cl. 540-523.000.
  - Tweedle, Michael F.; Gaughan, Glen T.; and Hagan, James T., 4,885,363, Cl. 540-465.000.
  - Weller, Harold N., III; and Gordon, Eric M., 4,810,791, Cl. 546-205.000.
  - Weller, Harold N., III; and Gordon, Eric M., 4,818,757, Cl. 514-231.500.
  - Weller, Harold N., III; and Gordon, Eric M., 4,849,525, Cl. 548-413.000.
  - Worth, Peter H. L.; Eaton, Ann; and Steer, Peter L., 4,880,016, Cl. 128-885.000.
  - Zahler, Robert; and Jacobs, Glenn A., 4,855,466, Cl. 549-546.000.
- E. S. Gatlin Enterprises, Inc.: *See—*
  - Gatlin, Sidney, 4,867,285, Cl. 188-250.00D.
- E.S.P. Systems, Inc.: *See—*
  - Hardin, William F., Sr.; and Mack, William M., Jr., 4,817,034, Cl. 364-900.000.
- E. Siepmann & Co. (GmbH & Co.): *See—*
  - Hill, Roy A.; and Datum, Klaus, 4,869,025, Cl. 51-122.000.
- E Squared Inc.: *See—*
  - Rowley, C. Allen; and Gutierrez, Hector M., 4,823,560, Cl. 62-467.000.
- E Street Enterprises, Inc.: *See—*
  - Beyer, Michael B., 4,889,250, Cl. 215-228.000.
- E-Systems, Inc.: *See—*
  - Baldwin, Steven F., 4,837,695, Cl. 364-427.000.
  - Davis, James M., 4,804,154, Cl. 244-1.00R.
  - Franklin, Jeffrey W., 4,871,981, Cl. 331-1.00A.
  - Harris, Mark A., 4,870,374, Cl. 332-145.000.
  - Masheff, Michael S., 4,876,549, Cl. 342-417.000.
  - Pavey, Charles F.; Poston, Billy R.; and Richard, Arthur M., 4,864,563, Cl. 370-94.100.
  - Rose, James B., 4,887,171, Cl. 360-31.000.
- E Z Breathe, Inc.: *See—*
  - Nave, Jerald L., 4,886,057, Cl. 128-203.110.
- E Z Dek, Inc.: *See—*
  - Stucky, Michael E., 4,883,306, Cl. 296-162.000.
- E-Z Drive, Inc.: *See—*
  - Monasco, Raymond D., 4,832,345, Cl. 273-201.000.
- E-Z-EM, Inc.: *See—*
  - Chernack, Milton P., 4,869,720, Cl. 604-228.000.
- E-Z Lift Pump, Inc.: *See—*
  - Krueger, W. E. "Wes", 4,889,473, Cl. 417-56.000.
- E-Zee Drag Corporation: *See—*
  - Sokol, Dennis; and Schell, William E., 4,828,307, Cl. 294-79.000.
- Eachus, Raymond S.: *See—*
  - Janusonis, Gaile A.; Jones, Ralph W.; Buntaine, James R.; Olm, Myra T.; and Eachus, Raymond S., 4,835,093, Cl. 430-567.000.
- Eads, George W.: *See—*
  - Eads, Mark E.; and Eads, George W., 4,860,727, Cl. 126-271.20A.
- Eads, James B. Torch nozzle assembly. 4,832,595, 5-23-89, Cl. 431-89.000.
- Eads, Mark E.; and Eads, George W. Mobile rail heater and method for expanding rails. 4,860,727, 8-29-89, Cl. 126-271.20A.
- Eagar, Lee J. Beverage container possessing an improved support plate to effect more rapid carbonation. 4,858,786, 8-22-89, Cl. 222-158.000.
- Eagar, Thomas W.; Agarwal, Dwarika P.; Bourguignon, Laura L.; and Marcotte, Rosaire, to Leach & Garner Company. Silver alloys of exceptional and reversible hardness. 4,810,308, 3-7-89, Cl. 148-158.000.
- Eagar, Thomas W.; Agarwal, Dwarika P.; Bourguignon, Laura L.; and Marcotte, Rosaire, to Leach & Garner Company. Silver alloys of exceptional and reversible hardness. 4,869,757, 9-26-89, Cl. 148-158.000.
- Eager, George S., Jr.; Fryszczyn, Bogdan; and Thalmann, Ernest H., to Empire State Electric Energy Research Corporation. Apparatus for use in impregnating electrical cables. 4,888,886, 12-26-89, Cl. 34-104.000.
- Eagle Comtronics, Inc.: *See—*
  - Barany, David A., 4,802,214, Cl. 380-15.000.
  - Marland, Dale W., 4,807,285, Cl. 380-15.000.
- Eagle Electric Mfg. Co. Inc.: *See—*
  - Munroe, Ronald G., 4,856,793, Cl. 439-107.000.
  - Munroe, Ronald G., 4,874,332, Cl. 439-462.000.
- Eagle Industries, Inc.: *See—*
  - Thomas, Robert J., 4,815,818, Cl. 350-102.000.
- Eagle Industry Co., Ltd.: *See—*
  - Iijima, Katsuhiko; Shiraishi, Yasumi; Mizoe, Shoji; and Ogata, Youichi, 4,844,483, Cl. 277-83.000.
  - Otsuka, Junji, 4,795,167, Cl. 277-25.000.
  - Sakamaki, Hiroshi; Horikoshi, Yukio; and Tanzawa, Kenji, 4,799,867, Cl. 418-1.000.
- Eagle Manufacturing Company: *See—*
  - Gillispie, John G.; and Mitchell, Donald J., 4,856,664, Cl. 215-31.000.
- Eagle-Picher Industries, Inc.: *See—*
  - Beal, Lawrence E., 4,889,146, Cl. 134-64.00R.
  - Beebe, James C., 4,805,125, Cl. 364-570.000.
  - Beebe, James C., 4,815,004, Cl. 364-506.000.
  - Cargould, Barry D., 4,846,334, Cl. 198-346.200.

  - Cargould, Barry D.; and Beebe, James C., 4,852,398, Cl. 73-146.000.
  - Dickerman, Randy L.; and Melchior, Wayne R., 4,849,295, Cl. 428-457.000.
  - Hayes, Richard H., 4,885,936, Cl. 73-146.000.
  - Markle, Richard A., 4,812,521, Cl. 525-116.000.
  - Melchior, Wayne R.; and Talik, Mieczyslaw, 4,857,252, Cl. 264-118.000.
  - Russell, Robert G.; and Lister, Roy D., 4,818,400, Cl. 210-262.000.
  - Smith, Patrick A.; and Thompson, Glen, 4,870,858, Cl. 73-146.000.
  - Veselica, Gary M.; Miller, Keith M.; and SayGan, Miguel, 4,844,193, Cl. 464-180.000.
- Eagle Valley Manufacturing, Inc.: *See—*
  - Voss, Raymond G., 4,843,923, Cl. 81-44.000.
- Eagleair, Inc.: *See—*
  - Hagar, Donald K., 4,801,261, Cl. 431-9.000.
- Eakin, David F., to Kaydon Corporation. Lock-step duo step split sealing ring. 4,844,487, 7-4-89, Cl. 277-221.000.
- Eakin, Oscar, Jr.: *See—*
  - Merrett, Ronald G.; and Eakin, Oscar, Jr., 4,875,811, Cl. 406-39.000.
- Eakin, Paul W.: *See—*
  - Gruber, Robert J.; Bov, Raphael F.; Cometa, Thomas D.; Eakin, Paul W.; Berkes, John S.; and Grushkin, Bernard, 4,859,550, Cl. 430-39.000.
- Eakin, Robert R. Drive units for air driven vehicles. 4,884,949, 12-5-89, Cl. 416-170.00R.
- Eakin, Thomas G. Incontinence device for women. 4,875,898, 10-24-89, Cl. 604-331.000.
- Ealey, Mark A., to United Technologies Corporation. Magnetodistortive actuator arrangement. 4,861,149, 8-29-89, Cl. 350-611.000.
- Ealing, Christopher J., to English Electric Company Limited, The. Dry storage arrangements for nuclear fuel. 4,832,903, 5-23-89, Cl. 376-272.000.
- Earl, Arnold M. Swirl generator. 4,828,487, 5-9-89, Cl. 431-187.000.
- Earl, Dale C.: *See—*
  - Darley, Henry M.; Gill, Michael C.; Earl, Dale C.; Ngo, Dinh T.; Wang, Paul C.; Hipona, Maria B. L.; and Dodrill, Jim, 4,878,190, Cl. 364-752.000.
- Earl, Gary W.: *See—*
  - Hughes, Leonard; Fuller, James G.; and Earl, Gary W., 4,876,355, Cl. 548-352.000.
- Earl, Raymond F. Air admittance valve for use in drainage systems. 4,867,802, 9-19-89, Cl. 137-526.000.
- Earl Wright Company: *See—*
  - Wright, H. Earl, 4,880,161, Cl. 239-330.000.
- Earlam, Sandra J.: *See—*
  - Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J.; Johnson, Karle J.; Smetana, Bruce A.; Westling, Gregory L.; Paneth, Eric; and Yehushua, Moshe, 4,881,240, Cl. 375-15.000.
- Earlam, Sandra J. K.: *See—*
  - Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J. K.; Johnson, Karle J.; Smetana, Bruce A.; and Westling, Gregory L., 4,825,448, Cl. 375-8.000.
- Earle, George A., III, to LTV Aerospace & Defense Company. Fluid jet cutting system with self orienting catcher. 4,827,679, 5-9-89, Cl. 51-410.000.
- Earle, George A., III: *See—*
  - Davis, Daren C.; and Earle, George A., III, 4,862,649, Cl. 51-437.000.
- Earle, John R. Electronic graphic arts proportional calculator. 4,800,514, 1-24-89, Cl. 364-715.070.
- Earle, Kent L.: *See—*
  - Crosetto, John J.; Earle, Kent L.; and Jordan, Anthony D., 4,795,936, Cl. 310-156.000.
  - Rocci, Joseph A.; Crosetto, John; Earle, Kent L.; and Kirby, David W., 4,797,604, Cl. 324-65.00R.
- Earls, Gilbert W. Vertical plant support having top reeder. 4,825,592, 5-2-89, Cl. 47-82.000.
- Earls, Jimmy D.: *See—*
  - Hefner, Robert E., Jr.; Robinson, John W.; and Earls, Jimmy D., 4,883,844, Cl. 525-472.000.
- Earl's Supply Co.: *See—*
  - Fouts, Robert E., 4,817,996, Cl. 285-149.000.
- Early, James M., to Fairchild Camera & Instrument Corp. Means for reducing signal propagation losses in very large scale integrated circuits. 4,833,521, 5-23-89, Cl. 357-68.000.
- Early, James M.: *See—*
  - Phy, William S.; Early, James M.; and Negus, Kevien J., 4,839,717, Cl. 357-74.000.
- Early, James T.; and Hargrove, R. Steven, to United States of America, Energy. Method for making mirrored surfaces comprising superconducting material. 4,886,776, 12-12-89, Cl. 505-1.000.
- Early, Richard: *See—*
  - Siemon, John A.; and Early, Richard, 4,834,669, Cl. 439-395.000.
- Early, Roger W.: *See—*
  - Beck, James L.; Doyle, Marguerite H.; Early, Roger W.; Ringle, Terrance W.; and Smith, David R., 4,799,811, Cl. 400-279.000.
- Earnest, Lester D., to OMS, Inc. Modular software security. 4,888,798, 12-19-89, Cl. 380-4.000.
- Earth Chemical Company, Limited: *See—*
  - Kamei, Masaharu, Negishi, Tsutomu; Nishikawa, Masaru; and Kishino, Kimishiro, 4,855,133, Cl. 424-84.000.
  - Kuwano, Eiichi; Takeya, Ryuko; Eto, Morifusa; and Asano, Shoji, 4,812,473, Cl. 514-396.000.
  - Nomura, Yoshiharu; Aoki, Shigemasa; and Nishimura, Akira, 4,800,196, Cl. 514-159.000.
- Earthnics Corporation: *See—*
  - Uchida, Hiroshi, 4,818,579, Cl. 428-102.000.
- Easco Corporation: *See—*
  - Arnold, Robert L., 4,836,059, Cl. 76-114.000.
- Easco Hand Tools, Inc.: *See—*
  - Arnold, Robert L.; Mader, William G.; and Desmarais, Philip A., 4,800,786, Cl. 81-121.100.
  - Arnold, Robert L., 4,825,732, Cl. 81-121.100.
- Eash, David D., to E & G Classics, Inc. Simulated padded car roof cover. 4,863,211, 9-5-89, Cl. 296-136.000.
- Eash, Matthew G., to General Electric Company. Apparatus for tuning an NMR field coil. 4,820,985, 4-11-89, Cl. 324-318.000.
- Eash, Matthew G., to General Electric Company. Apparatus for dynamically disabling an NMR field coil. 4,833,409, 5-23-89, Cl. 324-318.000.
- Eash, Matthew G.: *See—*
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- Easley, Mary J. M. Food covering. 4,856,666, 8-15-89, Cl. 215-272.000.
- Easley, Matthew F.; Correa, German E.; Nash, Randy D.; Panella, Cynthia A.; and Tjahjadi, Taruna, to Hayes Microcomputer Products, Inc. Method and apparatus for generating a data sampling clock locked to a baud clock contained in a data signal. 4,849,703, 7-18-89, Cl. 328-63.000.
- Easley, Matthew F.: *See—*
  - Tjahjadi, Taruna; Panella, Cynthia A.; Easley, Matthew F.; Nash, Randy D.; Sweitzer, Steven R.; Martin, John N.; Correa, German E.; and Thomas, George R., 4,868,864, Cl. 379-98.000.
- Easley, Samuel D. Method for camouflaging bows and rifles. 4,837,056, 6-6-89, Cl. 427-262.000.
- Easley, Sydney E.; Heathco, Craig E.; and Smith, Clayton L., to General Motors Corporation. Inlet particle separator with anti-icing means. 4,860,534, 8-29-89, Cl. 60-39.092.
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- East, Anthony J.: *See—*
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- East, Gary P.; Laguette, Stephen W.; Heindl, Alfons; and Lintula, Leanne M., to Pudenz-Schulte Medical Research Corp. Implantable shunt system and method of assembly. 4,861,331, 8-29-89, Cl. 604-9.000.
- East, Gary P., to Pudenz-Schulte Medical Research Corp. Multiple-membrane flow control valve and implantable shunt system. 4,867,740, 9-19-89, Cl. 604-9.000.
- East, Gary P.: *See—*
  - Schulte, Rudolf R.; Laguette, Stephen W.; and East, Gary P., 4,795,437, Cl. 604-10.000.
  - Schulte, Rudolf R.; East, Gary P.; and Heindl, Alfons, 4,816,016, Cl. 604-9.000.
- East, Gregory M., to Pemberton, J. C., a part interest. Controllable clutch. 4,796,738, 1-10-89, Cl. 192-20.000.
- East, John; and Maxwell, Ian, to Metal Box plc. Continuous extrusion of metals. 4,794,777, 1-3-89, Cl. 73-262.000.
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  - Hoffer, Jerry M.; Brasington, Mitchell R.; and Berry, L. Paul, 4,816,033, Cl. 8-158.000.
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- Easter, David A.; Hackman, Donald J.; Dick, William R.; and Reidy, John J., to Battelle Memorial Institute. Fastener gripping mechanism for bolt running operations. 4,869,136, 9-26-89, Cl. 81-55.000.
- Easter, James R.: *See—*
  - Woods, David D.; Elm, William C.; Lipner, Melvin H.; Butterworth, George E., III; and Easter, James R., 4,816,208, Cl. 376-259.000.
- Easter, Michael D. Wraparound cover for guns during field use. 4,860,479, 8-29-89, Cl. 42-96.000.
- Easter, Michael D. Protective cover for optical instruments during field use. 4,865,191, 9-12-89, Cl. 206-315.300.
- Easter Seal Society of Michigan, Inc.: *See—*
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- Easter, William G.; and Leffel, Daniel D., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Technique for fabricating complementary dielectrically isolated wafer. 4,820,653, 4-11-89, Cl. 437-62.000.
- Easter, William G.; and Feygenson, Anatoly, to American Telephone and Telegraph Company, AT&T Technologies, Inc.; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Fabrication of high-speed dielectrically isolated devices utilizing buried silicide outdiffusion. 4,839,309, 6-13-89, Cl. 437-160.000.

Easter, William G.; and Leffel, Daniel D., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Method of forming complementary device structures in partially processed dielectrically isolated wafers. 4,870,029, 9-26-89, Cl. 437-78.000.
Easterday, John L., to Tektronix, Inc. Data acquisition system for capturing and storing clustered test data occurring before and after an event of interest. 4,835,736, 5-30-89, Cl. 364-900.000.
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  Pastva, John V., 4,844,524, Cl. 292-218.000.
  Pastva, John V., 4,877,276, Cl. 292-218.000.
  Weinerman, Lee S.; Albris, Frank R.; McClinden, Thomas V.; and Wentzell, Timothy H., 4,838,054, Cl. 70-208.000.
  Weinerman, Lee S.; Mayo, Steven A.; McLinden, Thomas V.; and Wentzell, Timothy H., 4,838,056, Cl. 70-208.000.
  Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,841,755, Cl. 70-208.000.
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  Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,850,209, Cl. 70-208.000.
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  Sweetmore, Roy; and Eastham, Roy A., 4.846,312, Cl. 188-73.100.
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  Robinson, Colin; Eastlick, David T.; and Bownass. Audrey J., 4,876,351, Cl. 548-204.000.
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  Anderson, James H.; Bugner, Douglas E.; DeMejo, Lawrence P.; Sutton, Richard C.; and Wilson, John C., 4,837,392, Cl. 430-110.000.
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  Betensky, Ellis I.; and Kreitzer, Melvyn H., 4,838,668, Cl. 350-427.000.
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  Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,812,378, Cl. 430-110.000.
  Bugner, Douglas E.; and Alexandrovich, Peter S., 4,812,380, Cl. 430-110.000.
  Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,812,381, Cl. 430-110.000.
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  Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,840,864, Cl. 430-110.000.
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  Estes, Marvin F., 4,799,766, Cl. 350-252.000.
  Estes, Marvin F.; and Lungershausen, Arnold W., 4,854,662, Cl. 350-96.200.
  Estes, Marvin F.; and Lungershausen, Arnold W., 4,875,756, Cl. 350-96 200.
  Eubanks, Robert J. I.; and Johnson, Larry K., 4,835,285, Cl. 548-358.000.
  Eugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,834,921, Cl. 260-501.150.
  Evans, Steven; and Weber, Helmut, 4,839,336, Cl. 503-227.000.
  Evans, Steven; Weber, Helmut; and Diehl, Donald R., 4,853,366, Cl. 503-227.000.
  Evans, Steven; and Weber, Helmut, 4,866,029, Cl. 503-227.000
  Factor, Ronda E.; and Diehl, Donald R., 4,855,221, Cl. 430-510.000.
  Fagerburg, David R.; Watkins, Joseph J.; Lawrence, Paul B.; and Rule, Mark, 4,826,956, Cl. 528-214.000.
  Fagerburg, David R.; Jackson, Winston J., Jr.; and Martin, Mary B., 4,849,499, Cl. 528-298.000.
  Fagerburg, David R.; Watkins, Joseph J.; and Lawrence, Paul B., 4,877,851, Cl. 525-537.000.
  Fagerburg, David R.; and Watkins, Joseph J., 4,877,862, Cl. 528-481.000.
  Fairman, Patricia D., 4,846,418, Cl. 242-71.100.
  Farid, Samir Y.; and Moody, Roger E., 4,859,572, Cl. 430-281.000.
  Favrou, John M.; Lacey, Christopher A.; and Brock, George W., 4,875,129, Cl. 360-122.000.
  Foote, James C., Jr.; Castrignano, Frank; and Huot, Robert D., 4,821,066, Cl. 355-14.00R.
  Foster, Bruce W.; Clubb, Clyde N.; and Stuart, Richard K., Jr., 4,886,853, Cl. 524-477.000.
  Fowlkes, William Y.; Morse, Theodore H.; Storey, Robert C.; and Paxon, James F., 4,796,047, Cl. 355-3.0TR.
  Frank, David S.; and Belly, Robert T., 4,840,784, Cl. 424-3.000.
  French, William W., 4,796,111, Cl. 360-55.000.
  Frickey, Paul H.; and Norton, Gary E., 4,806,470, Cl. 435-21.000.
  Friour, Gerard; Herz, Arthur H.; Paris, Christian; and Riveccie, Marcel, 4,865,965, Cl. 430-569.000.
  Fronheiser, Dennis R., 4,835,021, Cl. 427-393.500.
  Fronheiser, Dennis R.; Hayward, Jack; Reafler, Gerald G.; and Schuler, James R., 4,872,270, Cl. 34-23.000.
  Gaboury, Michael J., 4,827,119, Cl. 250-214.00R.
  Gebo, Charles H.; and Roth, Bradley C., 4,836,293, Cl. 177-1.000.
  Gebo, Charles H.; and Roth, Bradley C., 4,878,552, Cl. 177-212.000.
  George, Craig A., 4,865,477, Cl. 400-531.000.
  Geyer, Daniel J.; and Calaway, Ward M., 4,856,029, Cl. 375-110.000.
  Giannetti, John; and Sleve, Jerry F., 4,822,021, Cl. 271-35.000
  Giannetti, John; Sleve, Jerry F.; and Shea, Robert H., 4,844,435, Cl. 271-10.000.
  Giannetti, John; Sleve, Jerry F.; and Kelley, Timothy H., 4,853,746, Cl. 355-48.000.

Giannetti, John; Couture, Robert L.; and Sleve, Jerry F., 4,884,097, Cl. 355-23.000.
Gingello, Anthony D.; and Rocha, Hermano P., 4,808,516, Cl. 430-591.000.
Glocker, David A.; Hatwar, Tukaram K.; McIntire, Gregory L.; Rao, Srinivas T.; and Stinson, Douglas G., 4,877,690, Cl. 428-627.000.
Gluck, Ronald; and Hamblen, David P., 4,849,375, Cl. 437-225.000.
Gormel, Thomas M., 4,859,574, Cl. 430-372.000.
Goswami, Ramanuj; and Chen, Chin H., 4,812,393, Cl. 435-4.000.
Gretter, Steven R., 4,882,686, Cl. 364-518.000.
Gross, Miroslay K., 4,880,301, Cl. 350-636.000.
Gunther, Wolfgang H. H.; Leone, Ronald E.; and Przyklek, Rosemary, 4,831,136, Cl. 544-1.000.
Gunther, Wolfgang H. H.; Leone, Ronald E.; and Przyklek, Rosemary, 4,874,866, Cl. 548-100.000.
Gunther, Wolfgang H. H.; and Sauter, Frederick J., 4,885,366, Cl. 544-300.000.
Guslits, Vladimir S., 4,797,703, Cl. 355-3.0DD.
Guslits, Vladimir S., 4,806,991, Cl. 355-3.0DD.
Guslits, Vladimir S.; and Bailey, Steven P., 4,830,165, Cl. 192-110.00R.
Guslits, Vladimir S.; and Bailey, Steven P., 4,840,259, Cl. 192-48.200.
Guslits, Vladimir S.; and Weitzel, Richard A., 4,878,089, Cl. 355-253.000.
Gustafson, Bruce L.; Wehner, Paul S.; Nelson, Gregory O.; and Mercer Patricia N., 4,837,367, Cl. 568-831.000.
Gustafson, Bruce L.; and Wehner, Paul S., 4,837,368, Cl. 568-881.000.
Hall, Douglas O., 4,833,496, Cl. 354-338.000.
Hall, Douglas O., 4,853,728, Cl. 354-320.000.
Hamidian, Gabriel, 4,801,969, Cl. 355-8.000.
Hancock, David; Hoyt, Robert; and Formica, Joseph, 4,855,579, Cl. 235-436.000.
Hansen, David E., 4,801,960, Cl. 354-288.000.
Hansen, David E., 4,841,319, Cl. 354-275.000.
Harder, John W.; and Singer, Stephen P., 4,865,956, Cl. 430-430.000.
Harris, Calvin E., 4,884,106, Cl. 355-212.000.
Harris, Clark E.; Armbruster, Randy; Decker, Michael; and Phillips, Bradley A., 4,852,821, Cl. 242-71.800.
Harrison, Daniel J.; and Lum, Kin K., 4,871,715, Cl. 503-227.000.
Hartley, Paul A.; Pavlisko, Joseph A.; and Wright, Hal E., 4,853,737, Cl. 355-289.000.
Harvey, Donald M., 4,855,773, Cl. 354-173.100.
Harvey, Donald M., 4,860,037, Cl. 354-21.000.
Harvey, Donald M., 4,860,041, Cl. 354-212.000.
Harvey, Donald M., 4,864,332, Cl. 354-21.000.
Harvey, Donald M., 4,875,638, Cl. 242-71.100.
Harvey, Donald M., 4,887,110, Cl. 354-275.000.
Hatakeyama, Atsushi; Izumi, Masaki; and Ohmori, Seishi, 4,812,064, Cl. 400-622.000.
Hatwar, Tukaram K., 4,885,134, Cl. 420-416.000.
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Hediger, Edwin A., 4,821,051, Cl. 346-155.000.
Hediger, Edwin A., 4,825,244, Cl. 355-3.0DD.
Hediger, Edwin A.; Ng, Yee S.; and Pham, Hieu, 4,875,057, Cl. 346-107.00R.
Helfer, Jeffrey L.; Porte, Johannes J.; and Middleton, David H., 4,810,653, Cl. 435-316.000.
Helfer, Jeffrey L., 4,857,054, Cl. 604-102.000.
Hellman, Robert R., Jr., 4,800,010, Cl. 204-299.00R.
Hellman, Robert R., Jr., 4,802,969, Cl. 204-299.00R.
Hellman, Robert R., Jr., 4,828,669, Cl. 204-299.00R.
Heilman, Robert R., Jr., 4,865,715, Cl. 204-299.00R.
Henzel, Richard P.; and Vanier, Noel R., 4,829,050, Cl. 503-227.000.
Henzel, Richard P.; Vanier, Noel R.; and Bodem, George B., 4,853,367, Cl. 503-227.000.
Henzel, Richard P.; and Vanier, Noel R., 4,866,026, Cl. 503-227.000.
Henzel, Richard P., 4,866,027, Cl. 503-227.000.
Henzel, Richard P., 4,876,234, Cl. 503-227.000.
Hershberger, Marc; Stevens, Carl; and Ozug, Peter, 4,829,432, Cl. 361-424.000.
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Hinckley, Charles C., 4,833,087, Cl. 435-287.000.
Hinshaw, Jerald C.; Toner, John L.; and Reynolds, George A., 4,801,722, Cl. 549-211.000.
Hochgraf, Neil A., 4,843,222, Cl. 235-470.000.
Hoke, David; and Kilminster, Kenneth N., 4,849,328, Cl. 430-553.000.
Hons, Douglas A., 4,875,153, Cl. 346-155.000.
Hsu, Kevin; Rao, Srinivas T.; and Kaukeinen, Joseph Y., 4,875,969, Cl. 156-633.000.
Hubbard, Charles R., 4,807,758, Cl. 206-555.000.
Huddleston, Thomas J.; Smith, William P.; and Miller, Gary R., 4,865,951, Cl. 430-273.000.
Huliba, David A.; Beard, James W.; and Brandon, John M., 4,811,035, Cl. 346-75.000.
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Hyche, Kenneth W.; and Gose, William C., 4,880,470, Cl. 106-271.000.
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Izzo, Peter G., 4,803,511, Cl. 355-3.00R.
Jaffari, Mark D.; Mahar, Jeffrey T.; and Bachert, Richard L., 4,835,309, Cl. 562-554.000.
Jagannathan, Ramesh; and Bye, Matthew R., 4,805,065, Cl. 360-135.000.
Jagannathan, Ramesh; and Bye, Matthew R., 4,855,028, Cl. 204-180.200.
Jagannathan, Ramesh, 4,865,703, Cl. 204-180.200.
Jakubowicz, Raymond F.; and Lercher, John S., 4,798,705, Cl. 422-63.000.
Jakubowicz, Raymond F.; and Porte, Johannes J., 4,852,620, Cl. 141-25.000.
Jamali, Jamal; and Roztocil, Tomas, 4,887,128, Cl. 355-202.000.
Jamzadeh, Fereidoon S.; and Stoudt, Michael D., 4,806,980, Cl. 355-14.00E.
Janusonis, Gaile A.; Jones, Ralph W.; Buntaine, James R.; Olm, Myra T.; and Eachus, Raymond S., 4,835,093, Cl. 430-567.000.
Jensen, Thomas D., 4,849,959, Cl. 369-291.000.
Jessop, Thomas C., 4,804,990, Cl. 354-324.000.
Jones, Glenn C.; Nottingham, William D.; and Raynolds, Peter W., 4,827,021, Cl. 560-187.000.
Jones, Paul W.; and Rabbani, Majid, 4,847,866, Cl. 375-27.000.
Joseph, Brian J.; Procter, Leo G.; and Roy, Carl W., 4,884,105, Cl. 355-212.000.
Joseph, Brian J.; and Hilbert, Thomas K., 4,887,132, Cl. 355-253.000.
Jungquist, Robert K., 4,886,363, Cl. 356-349.000.
Kannegundla, Ram, 4,866,299, Cl. 307-270.000.
Karsh, Herbert, 4,796,125, Cl. 360-77.120.
Kashdan, David S., 4,795,641, Cl. 424-438.000.
Kasiske, W. Charles, Jr.; and Fiske, John M., 4,797,708, Cl. 355-15.000.
Kass, Allen, 4,832,891, Cl. 264-101.000.
Katerberg, James A., 4,878,063, Cl. 346-1.100.
Katerberg, James A.; Wint, Robert L.; and Lewis, Richard A., 4,878,064, Cl. 346-75.000.
Kaukeinen, Joseph Y., 4,802,741, Cl. 350-392.000.
Kaukeinen, Joseph Y., 4,816,381, Cl. 430-319.000.
Kaukeinen, Joseph Y.; and Tyo, Eileen M., 4,880,494, Cl. 156-633.000.
Keep, Gerald T., 4,874,809, Cl. 524-449.000.
Keep, Gerald T., 4,879,081, Cl. 264-101.000.
Kellman, George A.; Flower, Richard E.; and Kidder, Harvey L., 4,799,688, Cl. 273-371.000.
Kenin, Michael; Reid, Kenneth R.; and Izzo, Peter G., 4,804,993, Cl. 355-3.0BE.
Knowlton, James R., 4,802,024, Cl. 360-36.100.
Kolb, Ronald E., 4,827,285, Cl. 346-75.000.
Kosarko, Gerald J.; and Wagner, Rodney D., 4,833,556, Cl. 360-102.000.
Kozak, Stephen J., 4,851,268, Cl. 427-420.000.
Kraus, Robert P., Jr.; and Davison, Peter E., 4,825,688, Cl. 73-61.00R.
Kreitzer, Melvyn H., 4,818,082, Cl. 350-427.000.
Krishnamurthy, Sundaram, 4,827,019, Cl. 560-84.000.
Krishnamurthy, Sundaram; Johnston, Brian H.; Kilminster, Kenneth N.; Vogel, David C.; and Buckland, Paul R., 4,853,319, Cl. 430-327.000.
Ku, Wayne W., 4,853,741, Cl. 355-300.000.
Ku, Wayne W., 4,862,224, Cl. 355-200.000.
Kung, Teh-Ming; Vreeland, William B.; and Young, Ralph H., 4,869,984, Cl. 430-58.000.
Kung, Teh-Ming; Vreeland, William B., and Young, Ralph H., 4,869,985, Cl. 430-58.000.
Kurth, Guenther V., 4,853,787, Cl. 358-224.000.
Kurtz, Andrew F.; Whiting, Bruce R.; Boutet, John C.; Milch, James R.; Gasper, John; and Kessler, David, 4,868,383, Cl. 250-228.000.
Kwarta, Michelle S.; Helenbrook, Howard J.; and Spence, John M., 4,814,250, Cl. 430-110.000.
Labaziewicz, Peter, 4,814,805, Cl. 354-217.000.
Lacey, Christopher A.; and Brock, George W., 4,888,657, Cl. 360-122.000.
LaCourt, Michael W., 4,811,058, Cl. 355-72.000.
Lambeth, David N., 4,826,312, Cl. 356-1.000.
Lange, Gerald R., 4,801,798, Cl. 250-225.000.
Larkins, Thomas H., Jr., 4,886,905, Cl. 560-265.000.
Lawrence, David J., 4,878,222, Cl. 372-48.000.
Lentz, Carl M.; Gustafson, Bruce L.; and Wehner, Paul S., 4,798,911, Cl. 568-747.000.
Lentz, Carl M.; Gustafson, Bruce L.; Van Sickle, Dale E.; and Bowers, Joseph S., Jr., 4,847,429, Cl. 268-643.000.
Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., 4,796,034, Cl. 354-145.100.
Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., 4,819,016, Cl. 354-82.000.
Lewis, Martyn; and Anderson, Richard, 4,801,853, Cl. 318-7.000.
Lewis, Scott, 4,855,943, Cl. 364-575.000.
Lievense, Jefferson C.; Sawyer, Joanna D.; and Terpolilli, Anthony J., 4,840,898, Cl. 435-87.000.
Light, Fred W., Jr.; Hood, James D.; and Chang, Yeong-Ho, 4,859,760, Cl. 528-45.000.
Light, Ronald R., 4,803,237, Cl. 524-385.000.
Light, Ronald R., 4,810,744, Cl. 524-494.000.
Light, Ronald R.; and Seymour, Robert W., 4,879,355, Cl. 525-439.000.
Lippold, Steven R.; and Fenicchia, Armand R., 4,807,867, Cl. 271-277.000.
Lisson, Jerold B., 4,846,575, Cl. 356-363.000.
Lisson, Jerold B.; and Stark, Richard A., 4,887,905, Cl. 356-363.000.
Liston, Christopher B., 4,804,603, Cl. 430-45.000.
Logan, Margaret E., 4,839,260, Cl. 430-281.000.
Logan, Margaret E., 4,839,274, Cl. 430-281.000.
Logan, Margaret E., 4,855,213, Cl. 430-281.000.
Lok, Roger; Gunther, Wolfgang H. H.; and Freeman, John P., 4,861,703, Cl. 430-608.000.
Long, Michael; Palone, Thomas W.; and Kemp, Paul, 4,889,269, Cl. 226-97.000.
Long, Michael E.; and Johnson, David A., 4,800,399, Cl. 346-76.0PH.
Long, Michael E., 4,804,977, Cl. 346-76.00L.
Long, Michael E., 4,879,564, Cl. 346-25.000.
Loose, Guenter H.; and Bush, Bradley S., 4,821,055, Cl. 354-282.000.
Loveridge, Jennifer C.; and Powell, Philip G., 4,833,723, Cl. 382-53.000.
Lubinsky, Anthony R.; Schmitt, James F.; and Pillman, Ann K., 4,827,279, Cl. 346-1.100.
Lubinsky, Anthony R.; Schmitt, James F.; and Krajewski, Cory L., 4,827,281, Cl. 346-1.100.
Lucitte, Richard D.; Melnychuck, Paul W.; Murray, Joseph J.; Ray, Lawrence A.; and Sullivan, James R., 4,861,140, Cl. 350-320.000.
Lum, Kin K., 4,833,124, Cl. 503-227.000.
MacDonald Stuart G., 4,846,192, Cl. 128-752.000.
Mack, Arthur R., II; and Sutherland, John W. H., Jr., 4,876,207, Cl. 436-135.000.
Malloy Desormeaux, Stephen G., 4,801,964, Cl. 354-414.000.
Malloy Desormeaux, Stephen G., 4,812,872, Cl. 354-414.000.
Marchetti, Jay D., 4,843,496, Cl. 360-77.060.
Marino, Philip F.; and Vandenberg, Donald E., 4,875,764, Cl. 350-611.000.
Markis, William R., 4,850,232, Cl. 73-865.800.
Mauck, John C.; Mauck, Linda A.; and Norton, Gary E., 4,812,399, Cl. 435-18.000.
McCann, James D.; Young, Lawrence R.; and Brandon, John M., 4,875,055, Cl. 346-75.000.
McCauley, David K., 4,847,678, Cl. 358-19.000.
McClune, Gregory J., 4,828,983, Cl. 435-7.000.
McClure, Richard J., 4,853,814, Cl. 360-122.000.
McClure, Richard J., 4,868,697, Cl. 360-122.000.
McClure, Richard J., 4,875,127, Cl. 360-130.210.
Meisenzahl, Eric, 4,862,275, Cl. 358-213.290.
Merkel, Paul B., 4,808,502, Cl. 430-17.000.
Messing, Calvin R., 4,885,233, Cl. 430-608.000.
Michno, Drake M.; Platt, Norma B.; Steele, David A.; and Southby, David T., 4,859,578, Cl. 430-544.000.
Mickle, Donald A. G.; and Wu, Tai-Wing, 4,877,810, Cl. 514-456.000.
Miller, Stephen H., 4,852,078, Cl. 369-291.000.
Mills, Borden H.; and Wade, Lloyd E., 4,821,064, Cl. 355-3.0FU.
Minnick, John H.; Spencer, John E.; and Tisack, Peter S., 4,821,058, Cl. 354-400.000.
Minnick, Larry A., 4,859,732, Cl. 524-385.000.
Minor, James C., 4,827,354, Cl. 358-296.000.
Mir, Jose M.; Agostinelli, John A.; Peterson, David L.; Paz-Pujalt, Gustavo R.; Higberg, Brian J.; and Rajeswaran, Gopalan, 4,850,770, Cl. 505-1.000.
Mody, Hemant K., 4,847,726, Cl. 361-147.000.
Mody, Hemant K., 4,890,129, Cl. 354-234.100.
Momany, Frank A., 4,880,777, Cl. 514-12.000.
Momot, David; and Townsend, Ensley E., 4,806,958, Cl. 354-21.000.
Momot, David; Townsend, Ensley E.; and LaCourt, Michael W., 4,806,960, Cl. 354-21.000.
Mooberry, Jared B.; and Singer, Stephen P., 4,840,884, Cl. 430-557.000.
Moran, Kevin E.; Smith, Michael J.; and Lippard, Ernest R., III, 4,875,780, Cl. 356-446.000.
Morris, Don L., 4,851,592, Cl. 568-853.000.
Morris, Don L.; Palmer, Billy W.; and McAninch, Thomas W., 4,855,515, Cl. 568-862.000.
Morris, John C.; and Jackson, Winston J., Jr., 4,824,931, Cl. 528-298.000.
Morris, John C., 4,847,407, Cl. 560-86.000.
Morton, Roger R. A.; and Redden, John E., 4,833,722, Cl. 382-22.000.
Morton, Roger R. A.; and Lewis, Scott, 4,853,795, Cl. 358-447.000.
Morton, Roger R. A.; and Redden, John E., 4,868,670, Cl. 358-447.000.
Mura, Albert J.; and Merkel, Paul B., 4,797,357, Cl. 435-34.000.
Mura, Albert J.; Belly, Robert T.; and Lum, Vanessa R., 4,853,186, Cl. 422-55.000.
Mura, Albert J.; and Zercie, Robert W., 4,879,243, Cl. 436-63.000.
Muszak, Martin F.; and Shaw, James D., 4,795,710, Cl. 435-287.000.
Muszak, Martin F., 4,876,926, Cl. 81-3.200.
Nair, Mridula; Pierce, Zona R.; and Sreekumar, Chandra, 4,833,060, Cl. 430-137.000.
Nair, Mridula; and Pierce, Zona R., 4,835,084, Cl. 430-137.000.
Nanai, Sadaaki, 4,797,689, Cl. 346-76.0PH.
Nealy, David L.; Wilkin, Louis A.; and Barlow, Fred D., Jr., 4,855,344, Cl. 524-86.000.
Newman, David A.; Laubengayer, William R.; and Scott, William B., Jr., 4,851,862, Cl. 346-107.00R.
Newmiller, Robert J., 4,865,964, Cl. 430-367.000.
Ng, Yee S., 4,835,551, Cl. 346-108.000.
Ng, Yee S., 4,837,587, Cl. 346-108.000.
Niedospial, John J., Jr., 4,883,235, Cl. 242-71.100.
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Niedospial, John J., Jr.; Robertson, Jeffrey C.; and Fraser, Mark D., 4,887,112, Cl. 354-275.000.
Niedospial, John J., Jr., 4,887,113, Cl. 354-275.000.
Niedospial, John J., Jr.; and Bush, Bradley S., 4,887,776, Cl. 242-71.100.
Nielsen, Paul L.; and Pavlisko, Joseph A., 4,807,341, Cl. 29-132.000.
Noble, Stephen A.; and Nutting, Thomas C., 4,805,037, Cl. 358-335.000.
Normandin, Sharon E., 4,871,652, Cl. 430-387.000.
Ohmori, Seishi; Niskala, Wayne F.; and Ishida, Yoshitaka, 4,804,976, Cl. 346-76.0PH.
Orlicki, David M.; and Fearnside, William T., 4,855,982, Cl. 369-44.000.
Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Marino, Salvatore J., 4,795,695, Cl. 430-495.000.
Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Vazan, Fridrich, 4,798,785, Cl. 430-495.000.
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Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Marino, Salvatore J., 4,812,386, Cl. 430-290.000.
Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Vazan, Fridrich, 4,865,955, Cl. 430-346.000.
Parton, Richard L.; Gingello, Anthony D.; Collett, David J.; Stegman, David A.; and Adin, Anthony, 4,871,656, Cl. 430-522.000.
Parulski, Kenneth A., 4,876,590, Cl. 358-41.000.
Pavlisko, Joseph A.; and Kan, Hsin-Chia, 4,847,175, Cl. 430-58.000.
Pazda, Robert J.; and Clum, Kenneth L., 4,862,065, Cl. 324-65.00R.
Peng, James P., 4,859,495, Cl. 427-48.000.
Penner, Thomas L.; Noonan, John M.; and Ponticello, Ignazio S., 4,830,952, Cl. 430-287.000.
Pham, Hieu T.; Ng, Yee S.; Kieffer, Kenneth D.; Tschang, Pin S.; and Zeise, Eric K., 4,831,395, Cl. 346-160.000.
Phillips, Bobby M.; and Casey, James O., 4,829,761, Cl. 57-248.000.
Piatt, Michael J.; Maggart, Douglas S.; and Grayson, Timothy P., 4,847,633, Cl. 346-134.000.
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Piatt, Michael J., 4,853,712, Cl. 346-134.000.
Piatt, Michael J.; and Houser, Kevin L., 4,853,713, Cl. 346-134.000.
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Pierson, Charles W., 4,865,680, Cl. 156-580.200.
Pierson, Charles W., 4,865,687, Cl. 156-73.100.
Pingaud, Bernard J., 4,798,622, Cl. 75-0.5AA.
Pochodylo, James M., 4,840,899, Cl. 435-87.000.
Pohlman, James M.; and Manico, Joseph A., 4,857,964, Cl. 355-40.000.
Powell, Philip G., 4,805,031, Cl. 358-284.000.
Prince, Eric T., 4,811,687, Cl. 118-666.000.
Pritchard, Jeffery A., 4,814,864, Cl. 358-29.000.
Pritchard, Jeffrey A., 4,887,121, Cl. 354-430.000.
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Rule, Mark; and Tustin, Gerald C., 4,806,697, Cl. 570-202.000.
Rule, Mark; and Tustin, Gerald C., 4,806,698, Cl. 570-202.000.
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Eastman, Richard E.; and Woodcock, Stewart J., to Chrysler Motors Corporation. Automatic transmission with add-on overdrive. 4,798,103, 1-17-89, Cl. 74-740.000.
Eastman, Richard E.; and Jagani, Anand M., to Chrysler Motors Corporation. Transfer case with dual planetary gear reduction unit. 4,836,053, 6-6-89, Cl. 74-789.000.
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Easton, Thomas; and Thomas, Bryan, to Dow Corning, Ltd. Removal of water haze from distillate fuel. 4,854,938, 8-8-89, Cl. 44-56.000.
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  Halmstad, Terrence R.; and Schachameyer, Steven R., 4,861,290, Cl. 439-810.000.
  Hampton, Keith; Krzysik, Don J.; and Lilley, Glen R., 4,841,924, Cl. 123-90.150.
  Hastings, Jerome K.; Beihoff, Bruce C.; Baran, Michael S.; Juds, Mark A.; and Hansen, James E., 4,841,235, Cl. 324-117.00R.
  Hastings, Jerome K.; Beihoff, Bruce C.; and Juds, Mark A., 4,857,841, Cl. 324-208.000.
  Hentschel, Erwin F.; Fahrenbruch, John G.; and Kennedy, David M., 4,843,723, Cl. 33-178.00R.
  Hipple, James E.; Dionne, Gerald L.; Torii, Yasuhiro; Shimada, Masaru; and Watanabe, Iwao, 4,883,968, Cl. 250-423.00R.
  Holton, Robert J., 4,826,375, Cl. 411-174.000.
  Holton, Robert J., 4,834,603, Cl. 411-521.000.
  Hubbard, Dean A.; Larsen, Michael R.; and Link, Donald A., 4,825,338, Cl. 361-376.000.
  Janson, David A., 4,860,845, Cl. 180-140.000.
  Johnson, Edgar A., 4,800,341, Cl. 331-2.000.
  Juds, Mark A.; and Beihoff, Bruce C., 4,841,246, Cl. 324-208.000.
  Kelledes, William L.; and O'Neil, Walter K., 4,805,463, Cl. 73-862.330.

- Kroll, John W.; Baran, Michael S.; and Mading, James E., 4,887,430, Cl. 60-527.000.
- Larson, Jay M.; and Mengel, Keith E., 4,822,695, Cl. 428-687.000.
- Latsko, James M., 4,795,013, Cl. 192-88.00B.
- Leveque, Denis J., 4,875,009, Cl. 324-208.000.
- Mack, William J.; and Cote, William F., 4,833,613, Cl. 364-424.050.
- Mahon, Joseph J.; and Aigner, Robert K., 4,827,460, Cl. 368-113.000.
- Mahon, Joseph J.; and Aigner, Robert K., 4,856,096, Cl. 200-38.00C.
- McGovern, Kevin M., 4,844,044, Cl. 123-559.100.
- McNinch, Joseph H., Jr., 4,818,035, Cl. 303-7.000.
- McNinch, Joseph H., Jr., 4,863,221, Cl. 303-94.000.
- Mohan, Robert J.; and O'Neil, Walter K., 4,828,088, Cl. 192-58.00B.
- Mohan, Robert J., 4,846,325, Cl. 192-58.00B.
- Mohan, Robert J.; and O'Neil, Walter K., 4,874,072, Cl. 192-58.00B.
- Moldovan, Peter K., 4,814,739, Cl. 337-68.000.
- Mumbower, Alan L., 4,845,392, Cl. 310-14.000.
- Nadolski, Gregory L.; and Schuchmann, Russell P., 4,845,627, Cl. 364-468.000.
- Nellums, Richard A.; and Braun, Eugene R., 4,874,070, Cl. 192-0.052.
- North, James A., 4,865,144, Cl. 180-79.100.
- Novacek, William J.; and Stephenson, Dwight B., 4,804,016, Cl. 137-625.230.
- Novacek, William J., 4,827,978, Cl. 137-625.240.
- Obermann, George; and Brzozowski, Marek, 4,866,221, Cl. 200-5.00R.
- Oltean, Jerry M.; and Goodwin, Paul E., 4,877,048, Cl. 137-225.000.
- O'Neil, Walter K., 4,860,844, Cl. 180-79.100.
- Orth, Charles D.; Barthel, Richard C.; and Malone, Peter J., 4,794,762, Cl. 62-203.000.
- Parrish, Timothy L., 4,874,911, Cl. 200-6.00R.
- Patel, Kirit R., 4,863,000, Cl. 188-170.000.
- Pick, James M., 4,815,497, Cl. 137-883.000.
- Pick, James M.; and Swanson, Wesley S., 4,817,914, Cl. 251-129.150.
- Pick, James M.; Swanson, Wesley S.; and Hurst, Edward D., 4,844,112, Cl. 137-15.000.
- Pociask, Frederick; and Woodard, Steven W., 4,827,890, Cl. 123-563.000.
- Reinicke, Robert H., 4,820,273, Cl. 604-141.000.
- Reinicke, Robert H., 4,834,704, Cl. 604-51.000.
- Rops, Paul G., 4,853,629, Cl. 324-208.000.
- Rose, Peter H.; Farley, Marvin; and Grodzins, Lee, 4,804,852, Cl. 250-492.100.
- Rudish, Ronald M.; and Hall, Scott F., 4,839,894, Cl. 370-123.000.
- Runels, Thomas L., 4,804,027, Cl. 152-417.000.
- Sabroff, Alvin M.; and Douglas, James R., 4,856,167, Cl. 29-159.200.
- Sampson, Ernest C., 4,807,729, Cl. 188-330.000.
- Sampson, Ernest C., 4,869,352, Cl. 188-340.000.
- Scharnweber, David H.; Hoppie, Lyle O.; and Haefner, Donald R., 4,865,003, Cl. 123-538.000.
- Schmerda, Richard F.; and Hansen, James E., 4,851,743, Cl. 388-811.000.
- Schmerda, Richard F.; and Hansen, James E., 4,873,453, Cl. 307-130.000.
- Schultz, Gary R., 4,825,925, Cl. 152-415.000.
- Schultz, Gary R., 4,883,105, Cl. 152-416.000.
- Schultz, Gary R.; and Kwasniewski, Dale L., 4,883,106, Cl. 152-417.000.
- Schutten, Herman P.; and Weiss, Arnold, 4,821,205, Cl. 364-508.000.
- Sipe, Paul A.; and Davis, Michael D., 4,828,468, Cl. 418-225.000.
- Smart, Steven T.; and McComas, Charles D., 4,804,317, Cl. 418-110.000.
- Smith, Jackson H., 4,812,605, Cl. 200-284.000.
- Smith, James F., 4,810,347, Cl. 204-298.000.
- Speranza, Donald, 4,852,006, Cl. 364-424.100.
- Stahly, Daniel C., 4,804,141, Cl. 236-100.000.
- Storm, Eric L., 4,875,796, Cl. 403-359.000.
- Thompson, Michael B., 4,873,836, Cl. 62-158.000.
- Torrence, Robert J., 4,835,976, Cl. 62-115.000.
- Torrence, Robert J., 4,841,734, Cl. 62-115.000.
- Uthoff, Loren H.; and Mohan, Robert J., 4,850,322, Cl. 123-399.000.
- Walton, Erlen B., 4,830,129, Cl. 180-140.000.
- Walton, Erlen B., 4,838,374, Cl. 180-140.000.
- Wang, Chung-Tao D., 4,852,094, Cl. 371-24.000.
- Werner, John A., 4,794,834, Cl. 83-185.000.
- Winckler, Peter S.; and Preston, David M., 4,830,128, Cl. 180-140.000.
- Winckler, Peter S., 4,848,776, Cl. 277-23.000.
- Wojtanek, Guy A., 4,833,440, Cl. 338-114.000.
- Wolcott, John H.; and Wenman, Herbert W., 4,853,573, Cl. 310-105.000.

Eaton, Daniel T.; and Benningfield, George W., to Figgie International, Inc. Wide range accumulator conveyor. 4,854,445, 8-8-89, Cl. 198-781.000.

Eaton, David C.; and Lawrence, Christopher J., to Rieter Scragg Limited. Yarn package offtake performance monitoring. 4,839,815, 6-13-89, Cl. 364-470.000.

Eaton, David F.: *See—*
- Anderson, Albert G.; Eaton, David F.; Tam, Wilson; and Wang, Ying, 4,818,898, Cl. 307-427.000.

Eaton, Earl V. Folding step ladder. 4,796,727, 1-10-89, Cl. 182-168.000.

Eaton, Homer L.; Selesky, Kenneth G.; and Kambara, Goro, to MTS Systems Corporation. Method and apparatus for crimping. 4,835,855, 6-6-89, Cl. 29-863.000.

Eaton, John W.: *See—*
- Hedlund, Bo E.; Hallaway, Philip E.; Panter, Samuel S.; and Eaton, John W., 4,863,964, Cl. 514-575.000.

Eaton Leonard Technologies, Inc.: *See—*
- Hopf, Werner G., 4,867,463, Cl. 279-46.00R.
- Mundy, David J., 4,849,643, Cl. 250-560.000.
- Traub, Zeno P., 4,870,849, Cl. 72-149.000.

Eaton, Mervin E.: *See—*
- Bartlett, Ted L.; and Eaton, Mervin E., 4,833,338, Cl. 307-17.000.

Eaton, Michael D.: *See—*
- White, Paul S.; and Eaton, Michael D., 4,796,331, Cl. 16-324.000.

Eaton, Paul: *See—*
- Heppinstall, Roy; Eaton, Paul; Tupper, George I. F.; and Tunstall, Edmund K., 4,820,996, Cl. 330-45.000.

Eaton, Richard B., to Xerox Corporation. Focus and signal to noise measurement routines in input scanners. 4,876,608, 10-24-89, Cl. 358-443.000.

Eaton, Ronald E. Method of playing a board game. 4,854,594, 8-8-89, Cl. 273-249.000.

Eaton S.A.M.: *See—*
- Buffet, Jean C., 4,832,582, Cl. 417-413.000.
- Feichtiger, Dieter; Neuffer, Klaus; Biber, Wolfgang; Freitag, Elmar; Corbier, Jean P.; and Dragoni, Christian, 4,830,054, Cl. 137-884.000.
- Rey, Pierre J.; and DeRaco, Maurice, 4,859,005, Cl. 303-119.000.

Eaton, S. Sheffield, Jr.; and Parris, Michael, to Ramtron Corporation. Data storage device and method of using a ferroelectric capacitance divider. 4,853,893, 8-1-89, Cl. 365-145.000.

Eaton, S. Sheffield, Jr., to Ramtron Corporation. Self restoring ferroelectric memory. 4,873,664, 10-10-89, Cl. 365-145.000.

Eaton, S. Sheffield, Jr.: *See—*
- Dimmler, Klaus; and Eaton, S. Sheffield, Jr., 4,809,225, Cl. 365-145.000.

Eaton Stamping Company: *See—*
- Dye, Clifford L., 4,801,833, Cl. 310-239.000.

Eaton, Tom E.; Ford, Lynda M.; Godfrey, Otis W., Jr.; Huber, Mary L. B.; and Zmijewski, Milton J., Jr., to Eli Lilly and Company. Process for producing the A-21978C antibiotics. 4,800,157, 1-24-89, Cl. 435-71.000.

Eaton-Williams, Raymond H. Air condition monitor unit for monitoring at least one variable of the ambient air. 4,853,693, 8-1-89, Cl. 340-588.000.

Eatwell, Neville A. W., to L.B.C. Services (Proprietary) Limited. Conveyor belt scraper units. 4,795,024, 1-3-89, Cl. 198-499.000.

Eau de Cologne- & Parfumerie-Fabrik: *See—*
- Singh-Verma, Shyam B.; Jordan, Josef; and Sossna, Raimund, 4,865,757, Cl. 252-117.000.

Eaulconer, Mark; and Greatrake, Scott E., to U.S.D. Corp. Single walled diver's buoyancy compensator. 4,810,134, 3-7-89, Cl. 405-186.000.

Eaves, Henry W.: *See—*
- Dixon, George; and Eaves, Henry W., 4,799,944, Cl. 55-446.000.

EB Metal Industries, Inc.: *See—*
- Friedman, Evelyn; and Carswell, William R., 4,844,229, Cl. 194-226.000.

Ebara Corporation: *See—*
- Fujimoto, Masakazu; and Kogaito, Kikuo, 4,846,259, Cl. 165-1.000.
- Fujita, Tadao, 4,860,696, Cl. 122-448.00B.
- Fukunaga, Akira; Arimitsu, Hidenobu; Yasuhara, Yoshiharu; and Shiota, Toshihiko, 4,826,805, Cl. 502-402.000.
- Fukunaga, Akira; and Mori, Yoichi, 4,861,578, Cl. 423-240.000.
- Hiyama, Hirokuni; Watanabe, Katsuhide; Nakajima, Atsushi; and Murakami, Chikara, 4,885,491, Cl. 310-90.500.
- Kanemitsu, Yoichi, 4,879,500, Cl. 318-632.000.
- Maezawa, Akihiko; Nakajima, Yoshio; Kaneko, Mitsuyoshi; and Aoki, Shinji, 4,882,020, Cl. 204-157.300.
- Matake, Kozo, 4,886,378, Cl. 384-308.000.
- Miyasaka, Matsuho; Ichikawa, Katsuhiro; Sasaki, Katsumi; Mizobuchi, Syotaro; and Ogure, Naoaki, 4,861,395, Cl. 148-321.000.
- Mizobuchi, Shotaro; Sasaki, Katsumi; and Kimura, Yoshikazu, 4,806,080, Cl. 417-353.000.
- Nohmi, Mitsuhiko, 4,832,874, Cl. 252-628.000.
- Nozaki, Ken; and Akai, Yuichi, 4,797,566, Cl. 307-43.000.
- Ohkubo, Kazuo; Hayashi, Tadamasa; and Nagai, Hiroshi, 4,876,006, Cl. 210-321.690.
- Ohshita, Takahiro; Higo, Tsutomu; Kosugi, Shigeru; Inumaru, Naoki; and Kawaguchi, Hajime, 4,823,740, Cl. 122-4.00D.

Ebara, Katsuya: *See—*
- Ishida, Masahiko; Haga, Ryooichi; Odawara, Yoji; Takahashi, Sankichi; and Ebara, Katsuya, 4,861,383, Cl. 127-67.000.
- Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroshi; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.

Ebara Research Co., Ltd.: *See—*
- Fukunaga, Akira; Arimitsu, Hidenobu; Yasuhara, Yoshiharu; and Shiota, Toshihiko, 4,826,805, Cl. 502-402.000.
- Fukunaga, Akira; and Mori, Yoichi, 4,861,578, Cl. 423-240.000.
- Hiyama, Hirokuni; Watanabe, Katsuhide; Nakajima, Atsushi; and Murakami, Chikara, 4,885,491, Cl. 310-90.500.
- Kanemitsu, Yoichi, 4,879,500, Cl. 318-632.000.
- Mizobuchi, Shotaro; Kanamori, Toshiya; Sasaki, Katsumi; Chiba, Katsutoshi; and Kimura, Yoshikazu, 4,820,949, Cl. 310-90.000.

Ebata, Genji; Tanabe, Koji; and Saito, Takahiro, to Japan Aviation Electronics Industry, Limited. Optical fiber alignment and fixing method and apparatus therefor. 4,854,667, 8-8-89, Cl. 350-96.200.

Ebata, Hitoshi, to Toshiba Machine Co., Ltd. Semiconductor vapor phase growth apparatus. 4,807,561, 2-28-89, Cl. 118-697.000.

Ebata, Makoto: *See—*
- Ototani, Tohei; Degawa, Toru; Kusumoto, Kenichi; and Ebata, Makoto, 4,820,485, Cl. 420-78.000.

Ebata, Tokihide: *See—*
- Kanemitsu, Shinji; and Ebata, Tokihide, 4,829,335, Cl. 355-211.000.
- Nomura, Akihiro; Namekata, Kiyokazu; Kurata, Mitsuru; Niizawa, Takuji; Ebata, Tokihide; and Sasaki, Shinichi, 4,862,215, Cl. 355-309.000.
- Onoda, Shigeyoshi; and Ebata, Tokihide, 4,839,690, Cl. 355-211.000.

Ebata, Yasuhiko: *See—*
- Kobayashi, Tatuhiro; Ebata, Yasuhiko; Matsumi, Hideki; Fukui, Seiji; and Ukai, Koichi, 4,813,345, Cl. 98-94.200.

Ebata, Yoshihiro; Kouyama, Masanori; Tamari, Nobuyuki; and Kawamoto, Takamichi, to Japan as represented by Director General of Agency of Industrial Science and Technology. Adhesive for oxide ceramics and method of bonding oxide ceramics using it. 4,857,486, 8-15-89, Cl. 501-21.000.

Ebato, Noboru: *See—*
- Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru; and Matsuda, Shinpei, 4,879,192, Cl. 429-198.000.

Ebaugh, Paul L.: *See—*
- Masters, Edwin J.; and Ebaugh, Paul L., 4,810,248, Cl. 604-192.000.

Ebbe, Nilsson: *See—*
- Jan-Ove, Bergqvist; Ebbe, Nilsson; and Jarl, Andersson, 4,804,040, Cl. 165-78.000.

Ebben, Leonard T. M.: *See—*
- Papanikolau, Emmanuel; and Ebben, Leonard T. M., 4,804,422, Cl. 134-28.000.

Ebbers, Timothy J.: *See—*
- Aranda, Michael A.; Ebbers, Timothy J.; Iida, Yoshio; Lindgren, Terence W.; and Robertson, Taggart H., 4,878,182, Cl. 364-518.000.

Ebbing, Peter: *See—*
- Prabhakar, Rakesh; Benavides, A. Fernando; Nitescu, Petru; and Ebbing, Peter, 4,813,840, Cl. 414-433.000.

Ebbott, Henry M.: *See—*
- Gregerson, Glen M.; Lunenschloss, John T.; Ebbott, Henry M.; and Beckeman, Raymond A., 4,887,954, Cl. 414-401.000.

Ebel, Bern: *See—*
- Haahtela, Oiso; and Ebel, Bern, 4,833,977, Cl. 92-212.000.

Ebel, Klaus; and Reuther, Wolfgang, to BASF Aktiengesellschaft. Hydroxyoxaalkylmelamines. 4,886,882, 12-12-89, Cl. 544-196.000.

Ebel, Klaus; Reuther, Wolfgang; Fikentscher, Rolf; Lach, Dietrich; Streicher, Rolf; and Schaffer, Ortwin, to BASF Aktiengesellschaft. Tanning assistant. 4,888,412, 12-19-89, Cl. 528-230.000.

Ebel, Klaus: *See—*
- Peter, Roland; Ebel, Klaus; and Allspach, Thomas, 4,855,427, Cl. 544-198.000.

Ebel, Steven J.: *See—*
- Keister, Pamela P.; Mead, Ralph T.; Muffoletto, Barry C.; Takeuchi, Ester S.; Ebel, Steven J.; Zelinsky, Michael A.; and Greenwood, John M., 4,830,940, Cl. 429-194.000.

Ebeling, Jaakko; Pesonen, Jarmo; and Sandaas, Inge, to Ugland Trading Co. A/S; and Jaakko Poyry Oy. Ship and ship loading and unloading system. 4,803,940, 2-14-89, Cl. 114-72.000.

Ebeling, Joachim, to SKW Trostberg Aktiengesellschaft. Process for the preparation of calcium cyanamide. 4,849,197, 7-18-89, Cl. 423-370.000.

Ebeling, Walter; and Forbes, Charles F. Granular termite barrier. 4,823,520, 4-25-89, Cl. 52-101.000.

Ebeling, Wolfgang; Metz, Harald; Brummer, Wolfgang; Schmid, Gunter; and Behrendt, Ulrich, to Merck Patent Gesellschaft mit beschrankter Haftung. Process for the microbiological preparation of aldose-1-epimerase. 4,800,16[illegible], 1-24-89, Cl. 435-233.000.

Ebeling, Wolfgang, to Turmag Turbo-Maschinen-Ag Nusse & Grafer. Rock drilling machine, especially for underground mining. 4,877,094, 10-31-89, Cl. 175-170.000.

Ebell, Robert J. E. V.: *See—*
- Theewis, Simon R.; and Ebell, Robert J. E. V., 4,815,146, Cl. 2-94.000.

Ebell, Rudolph F. Air pollution prevention device. 4,844,722, 7-4-89, Cl. 55-90.000.

Eber, Daniele: *See—*
- Damin, Bernard; Eber, Daniele; Hoornaert, Pierre; and Rey, Claude, 4,834,892, Cl. 252-32.70E.

Eber, David H.; Kotlarek, Peter A.; and Okoren, Ronald W., to American Standard Inc. Temperature sensitive solenoid valve in a scroll compressor. 4,820,130, 4-11-89, Cl. 417-32.000.

Eber, David H.; and Ring, H. Kenneth, to American Standard Inc. Electric motor driven air valve. 4,884,590, 12-5-89, Cl. 137-1.000.

Ebera, Takeshi: *See—*
- Sasaki, Toshio; Ebera, Takeshi; Kawai, Kiyoshi; and Shiga, Akinobu, 4,806,433, Cl. 502-115.000.

Eberbach, Steven J., to Krausse, Howard. Single and double symmetric loudspeaker driver configurations. 4,885,782, 12-5-89, Cl. 381-186.000.

Eberhard, Gunter; and Heitzig, Jurgen, to Continental Aktiengesellschaft. Hydraulically damped elastic mounting. 4,830,346, 5-16-89, Cl. 267-140.100.

Eberhard, Gunter: *See—*
- Bebermeier, Jurgen; Fischer, Werner; Heitzig, Jurgen; and Eberhard, Gunter, 4,811,934, Cl. 267-140.100.

Eberhard, Koch U.; and Bodo, Boettcher, to Raychem GmbH. Electrical equipment. 4,812,944, 3-14-89, Cl. 361-127.000.

Eberhard, Norbert: *See—*
- Lubbehusen, Paul; Eberhard, Norbert; and Hoppe, Hans, 4,861,200, Cl. 406-14.000.

Eberhard, Philippe H.: *See—*
- Gibson, George H.; Smits, Robert G.; and Eberhard, Philippe H., 4,864,236, Cl. 324-238.000.

Eberhardt, Andre; Dominiak, Serge; Berveiller, Marcel; Lucas, Jean P.; and Guyon, Robert P. Y., to Cimulec, S.A. Compensating element for stresses of thermal or mechanical orgin, especially for printed circuits, and process for making such an element employed in a printed circuit. 4,857,387, 8-15-89, Cl. 428-209.000.

Eberhardt, Andre: *See—*
- Muller, Jean F.; Tollitte, Francois G.; Krier, Gabriel; Dominiak, Serge; Eberhardt, Andre; and Berveiller, Marcel, 4,879,467, Cl. 250-288.000.

Eberhardt, Clifford A.: *See—*
- Paley, Steven J.; Eberhardt, Clifford A.; and Paley, Edward, 4,888,229, Cl. 428-192.000.

Eberhardt, H. Alfred, to Hale Fire Pump Company. Flow indicator. 4,831,886, 5-23-89, Cl. 73-861.550.

Eberhardt, Helmut: *See—*
- Feuerstein, Albert; Eberhardt, Helmut; Lammermann, Helmut; Bauer, Volker; and Lobig, Gerard, 4,815,415, Cl. 118-718.000.

Eberhardt, Nikolai, to SI Handling Systems, Inc. Automatic guided vehicle system. 4,817,000, 3-28-89, Cl. 364-443.000.

Eberhardt, Thomas E. Method and apparatus for treating bodies of water. 4,818,416, 4-4-89, Cl. 210-749.000.

Eberhardt, Thomas E. Apparatus for treating bodies of water. 4,877,524, 10-31-89, Cl. 210-242.100.

Eberhardt, Thomas E. Method and apparatus for treating bodies of water. 4,882,072, 11-21-89, Cl. 210-752.000.

Eberhart, Mark A.: *See—*
- Bossi, Burt J.; and Eberhart, Mark A., 4,802,080, Cl. 363-75.000.

Eberhart, Suzanne T.: *See—*
- Band, Elliot I.; and Eberhart, Suzanne T., 4,885,378, Cl. 556-426.000.

Eberl, Tertulin; and Weber-Unger, Georg, to Eberl, Tertulin; and Anita-Spezialmiederfabrik Dr. Helbig Gesellschaft m.b.H. & Co. KG. Artificial breast. 4,795,464, 1-3-89, Cl. 623-8.000.

Eberl, Tertulin. Apparatus for the positioning of people especially new-born babies, in a lying position. 4,825,487, 5-2-89, Cl. 5-464.000.

Eberle, Alois; Peter, Erich; and Steinberger, Rainer, to Lindauer Dornier Gesellschaft mbH. Weft thread cutting mechanism for shuttleless looms. 4,834,147, 5-30-89, Cl. 139-450.000.

Eberle, Douglas J.; and Northrup, Scott R., to Owens-Corning Fiberglas Corporation. Method and apparatus for the environmental control of fiber forming environment. 4,853,017, 8-1-89, Cl. 65-2.000.

Eberle, George F.; Bickel, Karl L.; and Brakeman, David B., to Alpine Engineered Products, Inc. Ceiling having enhanced resistance to fire. 4,862,66[illegible], 9-5-89, Cl. 52-299.000.

Eberle, Hans-Jurgen: *See—*
- Schmid, Gerhard; and Eberle, Hans-Jurgen, 4,822,874, Cl. 536-102.000.

Eberle, Jurg, to Ferag AG. Endless revolving transport apparatus for piece goods. 4,887,809, 12-19-89, Cl. 271-203.000.

Eberle, Jurg: *See—*
- Ruess, Wilhelm; Urech, Pierre; Eberle, Jurg; and Staub, Theodor, 4,886,824, Cl. 514-383.000.
- Ruess, Wilhelm; Urech, Pierre; Eberle, Jurg; and Staub, Theodor, 4,886,825, Cl. 514-383.000.

Eberle, Karl: *See—*
- Gukkenberger, Horst; Eberle, Karl; and Kopnick, Klaus J., 4,821,404, Cl. 29-603.000.
- Gukkenberger, Horst; Eberle, Karl; and Kopnick, Klaus J., 4,821,405, Cl. 29-603.000.
- Gukkenberger, Horst; and Eberle, Karl, 4,854,035, Cl. 29-603.000.

Eberle, Kenneth F. Wheel chair with elevating seat having a high lift capability. 4,862,997, 9-5-89, Cl. 187-11.000.

Eberlein, Hermann: *See—*
- Preissinger, Norbert; and Eberlein, Hermann, 4,845,453, Cl. 336-84.00C.

Eberlein, Wolfgang: *See—*
- Engel, Wolfhard; Eberlein, Wolfgang; Mihm, Gerhard; Trummlitz, Gunter; Mayer, Norbert; and De Jonge, Adriaan, 4,873,236, Cl. 514-220.000.

Eberly, Joseph H.: *See—*
- Durnin, James E.; and Eberly, Joseph H., 4,852,973, Cl. 350-162.110.
- Durnin, James E.; and Eberly, Joseph H., 4,887,885, Cl. 350-162.110.

Eberly, Paul E.: *See—*
- Goetsch, Duane A.; Say, Geoffrey R.; Vargas, Jose M.; and Eberly, Paul E., 4,888,131, Cl. 252-373.000.

- Ebersole, Richard C.; Forsythe, Jesse G., Jr.; and Gelormini, Frank T., to Du Pont de Nemours, E. I., and Company. Rapid assay processor. 4,806,313, 2-21-89, Cl. 422-61.000.
- Ebersole, Richard C.; and Foss, Robert P., to Du Pont de Nemours, E. I., and Company. Radiation process for preparation of electrophoresis gel material. 4,840,756, 6-20-89, Cl. 264-22.000.
- Ebersole, Ronald J.: *See*—
  - Johnson, David B.; Ebersole, Ronald J.; Huang, Joel C.; Neugebauer, Manfred; Page, Steven R.; and Self, Keith S., 4,853,846, Cl. 364-200.000.
- Eberspaecher, J.: *See*—
  - Langen, Herbert, 4,862,846, Cl. 123-142.50R.
- Ebert, Charles D.: *See*—
  - Chang, Yunik; Patel, Dinesh C.; and Ebert, Charles D., 4,849,224, Cl. 424-434.000.
  - Kurihara-Bergstrom, Tamie; Good, William R.; and Ebert, Charles D., 4,853,227, Cl. 424-443.000.
  - Patel, Dinesh C.; and Ebert, Charles D., 4,855,294, Cl. 514-212.000.
- Ebert, George W., to Home Fashions, Inc. Vertical coextruded pearlescent louver for vertical blinds. 4,877,077, 10-31-89, Cl. 160-236.000.
- Ebert, Harry K., Jr.: *See*—
  - Basarath, Brian A.; Ebert, Harry K., Jr.; and Menkes, Henry E., 4,845,637, Cl. 364-492.000.
- Ebert, Horst: *See*—
  - Freiwald, Wolfgang; and Ebert, Horst, 4,844,278, Cl. 220-1.00V.
- Ebert, Lynn J., deceased: *See*—
  - Woodard, Dudley H.; Ebert, Lynn J., deceased; and Ebert, Mary K., executrix, 4,832,756, Cl. 148-11.50C.
- Ebert, Mary K., executrix: *See*—
  - Woodard, Dudley H.; Ebert, Lynn J., deceased; and Ebert, Mary K., executrix, 4,832,756, Cl. 148-11.50C.
- Ebert, William R.: *See*—
  - Hom, Foo S.; and Ebert, William R., 4,800,083, Cl. 424-457.000.
- Ebert, Wolfgang: *See*—
  - Dujardin, Ralf; and Ebert, Wolfgang, 4,873,376, Cl. 568-806.000.
  - Dujardin, Ralf; Ebert, Wolfgang; Meyer, Rolf-Volker; Berg, Klaus; Grigo, Ulrich; and Wehnert, Wolfgang, 4,874,816, Cl. 525-146.000.
  - Glock, Volker; Ebert, Wolfgang; and Meyer, Rolf-Volker, 4,837,301, Cl. 528-388.000.
  - Pielartzik, Harald; Ebert, Wolfgang; Meyer, Rolf-Volker; Traenckner, Hans-Joachim; and Ostlinning, Edgar, 4,889,911, Cl. 528-182.000.
- Ebertz, Wolfgang: *See*—
  - Reuschling, Dieter; Linkies, Adolf; Reimann, Walter; Schweikert, Otto E.; Mack, Karl E.; and Ebertz, Wolfgang, 4,804,755, Cl. 544-2.000.
- Ebetino, Frank H.; Buckingham, Kent W.; and McOsker, Jocelyn E., to Norwich Eaton Pharmaceuticals, Inc. Octahydro-pyridine diphosphonate compounds, pharmaceutical compositions, and methods for treating abnormal calcium and phosphate metabolism. 4,868,164, 9-19-89, Cl. 514-80.000.
- Ebey, Edward W., to Fulton Manufacturing Corporation. Horizon-to-horizon satellite antenna drive mechanism. 4,866,456, 9-12-89, Cl. 343-766.000.
- EBG Elektronische Bauelement Gesellschaft m.b.H.: *See*—
  - Peschl, Hans P., 4,859,981, Cl. 338-308.000.
- Ebgerg, David C.: *See*—
  - Seaborne, Jonathan; and Ebgerg, David C., 4,820,533, Cl. 426-76.000.
- Ebi, Yutaka: *See*—
  - Horike, Masanori; Ebi, Yutaka; and Umezawa, Michio, 4,834,533, Cl. 356-133.000.
  - Izumi, Kouji; Eguti, Hirotoshi; Ohta, Eiichi; Kimura, Yuhji; and Ebi, Yutaka, 4,836,034, Cl. 73-862.040.
- Ebihara, Hideyuki, to Laurel Bank Machines Co., Ltd. Accumulated bills delivering apparatus for bill receiving and dispensing machine. 4,828,243, 5-9-89, Cl. 271-3.100.
- Ebihara, Hideyuki: *See*—
  - Uchida, Shinya; Hirata, Akira; Ebihara, Hideyuki; Yoshikawa, Eiichi; Sano, Eisaku; and Uehara, Kazuhiro, 4,854,452, Cl. 209-534.000.
- Ebihara, Keiko: *See*—
  - Kitagaki, Kanshiro; Ebihara, Keiko; Morioka, Shigeo; Nakamura, Takao; and Okada, Taizo, 4,886,667, Cl. 424-195.100.
- Ebihara, Norio; Sasaki, Takayuki; Kita, Hiroyuki; and Ohsawa, Yoshihito, to Sony Corporation. Video memory. 4,864,402, 9-5-89, Cl. 358-160.000.
- Ebihara, Satoru; and Yamaguchi, Jiro, to Iwaya Corporation. Moving animal toy. 4,836,820, 6-6-89, Cl. 446-289.000.
- Ebihara, Tameaki: *See*—
  - Toyama, Mitsuaki; Ebihara, Tameaki; Kawai, Syohei; Kono, Keizo; and Shimoda, Nobuo, 4,823,187, Cl. 358-51.000.
- Ebihara, Yoshitaka: *See*—
  - Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, Hiroshi; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubota, Hayato, 4,795,569, Cl. 210-770.000.
  - Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Baba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanegae, Junji, 4,882,192, Cl. 426-607.000.
  - Sawamura, Norio; Matsuo, Takaharu; Tsumura, Kazunobu; and Ebihara, Yoshitaka, 4,873,194, Cl. 435-198.000.
- Ebina, Akimitsu, to Jidosha Kiki Co., Ltd. Remote control apparatus for transmission. 4,796,485, 1-10-89, Cl. 74-866.000.
- Ebina, Akimitsu: *See*—
  - Ishizaka, Kouichi; and Ebina, Akimitsu, 4,871,952, Cl. 388-829.000.
- Ebina, Chinehito: *See*—
  - Ishii, Tamaki; Yachigo, Shinichi; Okita, Taisuke; Sasaki, Manji; and Ebina, Chinehito, 4,829,112, Cl. 524-108.000.
  - Sasaki, Manji; Ebina, Chinehito; Okamura, Haruki; Yachigo, Shinichi; and Ishii, Tamaki, 4,845,244, Cl. 549-335.000.
- Ebina, Hisashi: *See*—
  - Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, 4,863,552, Cl. 156-583.100.
- Ebina, Osamu; and Ono, Seigo, to Hitachi, Ltd. Three-dimensional display device and method for pointing displayed three-dimensional image. 4,812,829, 3-14-89, Cl. 340-709.000.
- Ebine, Kazuhide: *See*—
  - Noi, Keiichi; Takami, Akihiro; Ebine, Kazuhide; and Kumazawa, Kimiko, 4,839,097, Cl. 252-520.000.
- Ebine, Shoji: *See*—
  - Teranishi, Mitsuo; Urushidani, Haruo; Toriya, Hajime; and Ebine, Shoji, 4,880,354, Cl. 416-95.000.
- Ebinuma, Tadayoshi: *See*—
  - Kageyama, Shuhei; Yamamoto, Tadashi; and Ebinuma, Tadayoshi, 4,856,693, Cl. 226-127.000.
- Ebinuma, Takanori; Kato, Hiroshi; and Sakurai, Mituko, to Komatsu Zenoah Co. Portable engine. 4,798,182, 1-17-89, Cl. 123-195.00R.
- Ebinuna, Ryuichi: *See*—
  - Ozawa, Masakazu; Ozawa, Kunitaka; Hatanaka, Katsunori; Suzuki, Tetsuo; Mori, Tetsuzo; Shiina, Tadashi; and Ebinuna, Ryuichi, 4,884,085, Cl. 346-136.000.
- Ebisawa, Junichi: *See*—
  - Ohta, Hironori; Kawaguchi, Toshiyasu; Mukaiyama, Takashi; Matsuzaki, Katsuhiko; Ebisawa, Junichi; Taneda, Naoki; Arai, Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kuni, Koushiro, 4,838,914, Cl. 65-2.000.
- Ebisawa, Masuo: *See*—
  - Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, 4,831,712, Cl. 29-527.600.
- Ebisu, Katsuji: *See*—
  - Sawatari, Norio; Ebisu, Katsuji; Watanuki, Tsuneo; Katagiri, Yoshimichi; Kashikawa, Takahiro; and Narusawa, Toshiaki, 4,849,317, Cl. 430-106.600.
- Ebisumoto, Takashige: *See*—
  - Nagamatsu, Hiroaki; and Ebisumoto, Takashige, 4,796,489, Cl. 74-868.000.
- Eblen, Ewald: *See*—
  - Banzhaf, Werner; Eblen, Ewald; Faber, Heinrich; Giersch, Rolf J.; Hofmann, Karl; Liedtke, Dieter; and Norberg, Helmut, 4,801,095, Cl. 239-533.300.
  - Kaczynski, Bernhard; Schmitt, Alfred; Eblen, Ewald; and Komaroff, Iwan, 4,821,696, Cl. 123-298.000.
- Ebling, Thomas D.; Connor, Susan J.; Howd, Thomas C.; and Thompson, Olin W., Jr., to Marcam Corporation. Method and apparatus for process manufacture control. 4,864,507, 9-5-89, Cl. 364-468.000.
- ebm Elektrobau Mulfingen GmbH & Co.: *See*—
  - Sturm, Gerhard, 4,795,931, Cl. 310-90.000.
- Ebmeyer, Wilfried; Achelpohl, Fritz; and Mundus, Friedhelm, to Windmoeller & Holscher. Process and apparatus for making plastic carrying bags or sacks. 4,838,977, 6-13-89, Cl. 156-252.000.
- Ebner, Ann M.: *See*—
  - Teller, Raymond G.; Ebner, Ann M.; Bodolus, Christopher; and Gupta, Victor R., 4,836,117, Cl. 110-342.000.
- Ebner, Otto: *See*—
  - Schreiner, Friedrich; Ebner, Otto; Buri, Gerhard; and Grupp, Bernhard, 4,807,489, Cl. 74-475.000.
- Ebner, Peter R.: *See*—
  - Griffith, Louis E.; and Ebner, Peter R., 4,864,723, Cl. 29-850.000.
- Ebner, Walter B.; and Lin, Hsiu-Ping W., to Honeywell Inc. Electrode material/electrolyte system for non-aqueous cells. 4,804,596, 2-14-89, Cl. 429-194.000.
- Ebner, Walter B.; and Lin, Hsiu-Ping W., to Honeywell, Inc. Electrolyte for secondary non-aqueous cells. 4,853,304, 8-1-89, Cl. 429-192.000.
- Ebner, Walter B., to Honeywell Inc. Electrode composition and method of making. 4,888,259, 12-19-89, Cl. 429-217.000.
- Ebnet, Friedrich, to Siemens Aktiengesellschaft. Overload relay. 4,814,737, 3-21-89, Cl. 337-49.000.
- Ebonite International, Inc.: *See*—
  - Lee, Andrew J.; Sanduja, Mohan L.; Sugathan, Kenneth; Dragan, Felicia; and Horowitz, Carl, 4,875,410, Cl. 101-170.000.
- Ebonwood Limited: *See*—
  - Griffiths, Colin; and Walker, William G., 4,875,954, Cl. 156-64.000.
- EBSCO Industries, Inc.: *See*—
  - Gudermuth, Clyde S., Jr., 4,873,782, Cl. 43-42.150.
  - Wilson, William H.; and Gudermuth, Clyde S., Jr., 4,862,631, Cl. 43-42.330.
- Eby, George W. Shroud attachment. 4,879,549, 11-7-89, Cl. 340-815.200.
- EC Erdolchemie GmbH: *See*—
  - Herwig, Jens; Kolwert, Alois; Sutter, Hubert; and Woltjes, Dieter, 4,882,393, Cl. 525-330.200.
  - Ochel, Klaus-Peter; Krupp, Joachim; Heger, Josef; and Schweitzer, Martin, 4,856,985, Cl. 431-202.000.
  - Schleppinghoff, Bernhard; Lux, Mathias; and Reinhardt, Horst, 4,804,704, Cl. 524-549.000.
- Ecanow, Bernard, to Synthetic Blood Corporation. Oral insulin and a method of making the same. 4,849,405, 7-18-89, Cl. 514-3.000.

- Ecanow, Bernard; and Ecanow, Charles S., to Synthetic Blood Corporation. Substitute for human blood and a method of making the same. 4,853,370, 8-1-89, Cl. 514-6.000.
- Ecanow, Bernard: *See*—
  - Ecanow, Charles S.; and Ecanow, Bernard, 4,874,742, Cl. 514-2.000.
- Ecanow, Charles S.; and Ecanow, Bernard, to Synthetic Blood Corporation. Synthetic whole blood and a process for preparing the same. 4,874,742, 10-17-89, Cl. 514-2.000.
- Ecanow, Charles S.: *See*—
  - Ecanow, Bernard; and Ecanow, Charles S., 4,853,370, Cl. 514-6.000.
- ECC International Limited: *See*—
  - Goodman, Howard, 4,857,491, Cl. 501-148.000.
  - Jeffs, David G., 4,800,103, Cl. 427-221.000.
  - Jepson, Walter B.; and Goodman, Howard, 4,804,416, Cl. 106-468.000.
  - Jones, Thomas R.; and Gould, Caryl, 4,826,789, Cl. 501-8.000.
  - Jones, Thomas R.; and Gould, Caryl, 4,826,790, Cl. 501-80.000.
- Eccel, Rosanna: *See*—
  - Temperilli, Aldemio; Eccel, Rosanna; Brambilla, Enzo; and Salvati, Patricia, 4,801,588, Cl. 514-274.000.
- Eccles, Edward S.; and Green, James C., to Smiths Industries Public Limited Company. Intergrated circuit substrates. 4,869,998, 9-26-89, Cl. 430-311.000.
- Eccleston, Charles E., to Premier Drywall Tool Co. Dry wall taper. 4,828,647, 5-9-89, Cl. 156-526.000.
- Eccleston, Larry; Cook, James C., II; and Goodrich, Earl R., II, to Progressive Dynamics, Inc. Method and apparatus for producing electromagnetic surveillance fields. 4,795,995, 1-3-89, Cl. 336-199.000.
- Eccleston, Larry E., to John Fluke Mfg. Co., Inc. Temperature controlled hybrid assembly. 4,841,170, 6-20-89, Cl. 307-310.000.
- Eccleston, Larry E., to John Fluke Mfg. Co., Inc. Method of and circuit for ohmmeter calibration. 4,841,229, 6-20-89, Cl. 324-63.000.
- Eccleston, Larry E., to John Fluke Mfg. Co., Inc. Method of and apparatus for determining AC calibration errors and apparatus using device with AC calibration errors. 4,859,936, 8-22-89, Cl. 324-130.000.
- Ecclestone, James A., to Calstone Inc. Modular display and storage unit. 4,801,023, 1-31-89, Cl. 211-55.000.
- Echasseriau, Gilbert; and Oliveau, Patrice, to Bendix Electronics, S.A. Variable reluctance electromagnetic sensor with pole piece-magnet assembly locking mechanism and method of assembly. 4,829,245, 5-9-89, Cl. 324-174.000.
- Echeberria, D. Julian, to Dikar, S. Coop. Ltda. Accessories for muzzle-loading firearms. 4,843,747, 7-4-89, Cl. 42-90.000.
- Echevarria, Angel M.; and Echevarria, Michael A. Cellular waterbed component and bed containing same. 4,858,263, 8-22-89, Cl. 5-451.000.
- Echevarria, Michael A.: *See*—
  - Echevarria, Angel M.; and Echevarria, Michael A., 4,858,263, Cl. 5-451.000.
- Echeverria, Fernando C., to Maquinas de Coser Alfa, S.A. Needle bar and feed drives for a zig-zag sewing machine. 4,858,548, 8-22-89, Cl. 112-443.000.
- Echigo, Masashi: *See*—
  - Suehiro, Masatoshi; Echigo, Masashi; Mitsune, Yutaka; Sakuraba, Masami; Nakatani, Seiichi; and Nishimura, Tsutomu, 4,865,772, Cl. 252-512.000.
- Echigo, Yoshiaki; Sugawara, Kenichi; Yamao, Mutsunori; Suematu, Yoshiyuki; Asami, Keiichi; and Ohsawa, Tuneyuki, to Unitika, Ltd. Spherical particles of thermosetting phenolic resin and process for producing the same. 4,839,445, 6-13-89, Cl. 525-503.000.
- Echigo, Yoshiaki: *See*—
  - Otomura, Keiichiro; Ogura, Yoshikazu; Echigo, Yoshiaki; Yamao, Mutsunori; and Ishikura, Tadashi, 4,808,316, Cl. 210-664.000.
- Echizen, Hiroshi; Ota, Masakatsu; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Illuminance distribution measuring system. 4,799,791, 1-24-89, Cl. 356-121.000.
- Echizen, Hiroshi: *See*—
  - Hiraga, Ryozo; and Echizen, Hiroshi, 4,806,773, Cl. 250-548.000.
- Echlin Inc.: *See*—
  - Kaulig, Robert; and Wheeler, James D., 4,800,725, Cl. 60-584.000.
  - Shaff, Gerald H., 4,830,833, Cl. 422-172.000.
- Echolac Co., Ltd.: *See*—
  - Lin, Gu-Ming, 4,845,968, Cl. 70-312.000.
- Echols, James D.; Barnes, James A.; and Penrod, Bruce M., to Austron, Inc. Temperature compensation for a disciplined frequency standard. 4,839,613, 6-13-89, Cl. 331-69.000.
- Echols, John D.: *See*—
  - Harris, George W.; and Echols, John D., 4,871,307, Cl. 431-25.000.
- Echols, Robert M.: *See*—
  - Cogan, Kevin C.; Echols, Robert M.; and Dierl, Tina T., 4,831,922, Cl. 99-486.000.
  - Cogan, Kevin C.; and Echols, Robert M., 4,889,241, Cl. 209-552.000.
- Echosphere Corporation: *See*—
  - Burr, James D., 4,841,309, Cl. 343-766.000.
- Echte, Adolf: *See*—
  - Brandstetter, Franz; Echte, Adolf; Haaf, Franz; and Naarmann, Herbert, 4,866,129, Cl. 525-92.000.
  - Schwaben, Hans-Dieter; Echte, Adolf; Bueschl, Rainer; Schlichtmann, Rainer; Klaerner, Peter; and Kindler, Hubert, 4,839,418, Cl. 525-53.000.
- ECI Telecom Ltd.: *See*—
  - Shpiro, Zeev, 4,860,313, Cl. 375-27.000.
- ECIA - Equipements et Composants pour l'Industrie Automobile: *See*—
  - Ballet, Jean-Noel, 4,844,375, Cl. 242-107.40A.
  - Deley, Serge; and Fourrey, Francois, 4,872,724, Cl. 297-218.000.
  - Escaravage, Gerard, 4,825,594, Cl. 49-351.000.
  - Escaravage, Gerard, 4,840,403, Cl. 280-808.000.
  - Escaravage, Gerard, 4,848,796, Cl. 280-808.000.
  - Escaravage, Gerard, 4,858,954, Cl. 280-808.000.
  - Escaravage, Gerard, 4,867,477, Cl. 280-808.000.
  - Escaravage, Gerard; and Henriot, Michel, 4,871,192, Cl. 280-808.000.
  - Escaravage, Gerard, 4,877,287, Cl. 297-417.000.
  - Henigue, Christian, 4,819,961, Cl. 280-775.000.
  - Joly, Jean Marcel, 4,867,390, Cl. 242-107.40A.
  - Meunier, Claude; Coussemacq, J-Marc; and Fourrey, Francois, 4,834,451, Cl. 297-218.000.
  - Vera, Jean C., 4,838,072, Cl. 73-37.000.
  - Vera, Jean C., 4,871,298, Cl. 416-189.000.
- ECIA—Equipements et Composants Pour L'Industrie Automobile: *See*—
  - Escaravage, Gerard, 4,801,156, Cl. 280-808.000.
- Eck, Anthony H.: *See*—
  - Imai, Tamotsu; Barger, Paul T.; and Eck, Anthony H., 4,795,843, Cl. 585-408.000.
- Eck, Gismar, to Asea Brown Boveri AG. High-temperature storage battery. 4,865,929, 9-12-89, Cl. 429-120.000.
- Eck, Henry H.: *See*—
  - Kane, Mark E.; Shockley, James F.; and Eck, Henry H., 4,885,689, Cl. 364-424.010.
- Eck, Herbert; Fleischmann, Gerald; Prasse, Alfred; and Kolbig, Kunigunde, to Wacker-Chemie GmbH. Process for improving the adhesion of polymeric substances. 4,874,638, 10-17-89, Cl. 427-222.000.
- Eck, Herbert: *See*—
  - Demlehner, Ulrich; Eck, Herbert; Hopf, Heinrich; Pilzweger, Erich; and Zeller, Otto, 4,851,047, Cl. 106-111.000.
- Eck, Jack R.: *See*—
  - Hunter, John E.; and Eck, Jack R., 4,863,753, Cl. 426-633.000.
- Eck, Jeffrey A.: *See*—
  - Cahill, Richard F.; Eck, Jeffrey A.; Schwantz, Gerald L.; Theriault, John P.; Turek, Philip A.; Udd, Eric; Wagoner, Raymond E.; and Wanser, Keith H., 4,834,493, Cl. 350-96.200.
- Eck, John P.: *See*—
  - Citta, Richard W.; Eck, John P.; and Mutzabaugh, Dennis M., 4,802,213, Cl. 380-7.000.
- Eck, John S.: *See*—
  - Noble, Marion L.; and Eck, John S., 4,834,370, Cl. 273-72.00A.
- Eck, Leonard; Liegel, Reinald D.; Naber, Charles; and Sabel, Garry J., to Hein-Werner Corporation. Pneumatic hydraulic side lifting jack. 4,886,242, 12-12-89, Cl. 254-8.00B.
- Eck, Leonard F., to Hein-Werner Corporation. Vehicle repair and alignment rack. 4,794,783, 1-3-89, Cl. 72-447.000.
- Eck, Michael P.; and Lecrone, Dale E., to Du Pont de Nemours, E. I., and Company. Pin mounted support system for printed circuit cards and connectors. 4,832,619, 5-23-89, Cl. 439-377.000.
- Eck, Michael P., to Du Pont de Nemours, E. I., and Company. Connector having expansible barrel with a layer of reflowable solder material thereon. 4,867,691, 9-19-89, Cl. 439-82.000.
- Eck, Reinhold: *See*—
  - Siegel, Wolfgang; Eck, Reinhold; Heep, Dieter; and Vogel, Paul, 4,823,993, Cl. 222-345.000.
- Eck, Robert E.; and Joyce, Richard J., to Santa Barbara Research Center. Direct measurement of photodiode impedance using electron beam probing. 4,885,534, 12-5-89, Cl. 324-158.00D.
- Eck, Werner, to Kleindienst GmbH Firma. Batch washing machine. 4,856,302, 8-15-89, Cl. 68-27.000.
- Eckardt AG: *See*—
  - Breckner, Kurt, 4,798,531, Cl. 431-12.000.
  - Gesell, Ferdinand, 4,839,608, Cl. 330-149.000.
- Eckardt, Bernd, to Siemens Aktiengesellschaft. Nuclear power plant having a containment. 4,863,677, 9-5-89, Cl. 376-313.000.
- Eckardt, Bernd, to Siemens Aktiengesellschaft. Method and apparatus for pressure relief of a nuclear power plant. 4,873,050, 10-10-89, Cl. 376-283.000.
- Eckardt, Bernd; and Burbach, Thomas, to Siemens Aktiengesellschaft. Adsorption device for gas separation. 4,881,958, 11-21-89, Cl. 55-179.000.
- Eckardt, Dieter; Hettich, Gerhard; and Schmid, Hans-Dieter, to Robert Bosch GmbH. Sensor for measuring physical dimensions and process for balancing the sensor. 4,845,649, 7-4-89, Cl. 364-571.020.
- Eckardt, Dietrich; and Schaffler, Arthur, to MTU Motoren- und Turbinen-Union Munchen GmbH. Axial flow blade wheel of a gas or steam driven turbine. 4,822,249, 4-18-89, Cl. 416-235.000.
- Eckardt, Fritz: *See*—
  - Blume, Georg; Bohmwetsch, Dieter; and Eckardt, Fritz, 4,861,133, Cl. 350-96.200.
- Eckart, Donald W.: *See*—
  - Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., 4,818,480, Cl. 419-27.000.
  - Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., 4,840,767, Cl. 419-27.000.
  - Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., 4,863,410, Cl. 445-50.000.
  - Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., 4,872,864, Cl. 445-50.000.
- Eckart, George R.: *See*—
  - Baggio, Horacio A.; and Eckart, George R., 4,841,420, Cl. 362-249.000.

Eckart, Manfred: *See—*
Ahlf, Heinz-Jurgen; Jager, Jurgen; Wulf, Peter; Guhne, Wieland and Eckart, Manfred, 4,851,019, Cl. 55-367.000.
Eckebring, Bengt O. D.; and Wallin, Sven C., to AB Bahco Ventilation. Supply air device. 4,805,521, 2-21-89, Cl. 98-40.010.
Eckel, Hans-Gerd; and Jorg, Benno, to Carl Freudenberg, Firma. Elastic axial-rotation coupler. 4,813,909, 3-21-89, Cl. 464-90.000.
Eckel, Hans-Gerd; Grassmuck, Volker; Jorg, Benno; Kurr, Klaus; and Sommer, Eberhard, to Carl Freudenberg, Firma. Flywheel. 4,850,244, 7-25-89, Cl. 74-574.000.
Eckel, Hans-Gerd: *See—*
Seifert, Heinz; and Eckel, Hans-Gerd, 4,825,718, Cl. 74-574.000.
Eckel, Hans-Joachim; and Warych, Hans, to Signode System GmbH. Edge protector. 4,877,673, 10-31-89, Cl. 428-172.000.
Eckell, Albrecht: *See—*
Baur, Richard; Denzinger, Walter; Eckell, Albrecht; Hartmann, Heinrich; Mueller, Josef; Raubenheimer, Hans-Juergen; and Trieselt, Wolfgang, 4,814,102, Cl. 252-174.240.
Eckell, Wolfgang; Guentert, Josef; Haefele, Walter; Kraemer, Manfred; Kuhn, Uwe; and Warga, Johann, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,840,161, 6-20-89, Cl. 123-500.000.
Eckelman, Bruce W. Battery package. 4,848,568, 7-18-89, Cl. 206-333.000.
Eckels, David E.; and Hass, William J., to Iowa State University Research Foundation, Inc. Method and apparatus for transport, introduction, atomization and excitation of emission spectrum for quantitative analysis of high temperature gas sample streams containing vapor and particulates without degradation of sample stream temperature. 4,834,645, 5-30-89, Cl. 431-4.000.
Eckelt, Josef. Glass facade. 4,837,996, 6-13-89, Cl. 52-235.000.
Eckelt, Ulrich: *See—*
Brinkmeier, Friedheim; and Eckelt, Ulrich, 4,856,396, Cl. 83-300.000.
Eckenhoff, James B.; Theeuwes, Felix; and Deters, Joseph C., to ALZA Corporation. Process for making dispenser with cooperating elements. 4,800,056, 1-24-89, Cl. 264-129.000.
Eckenhoff, James B.; Theeuwes, Felix; and Deters, Joseph C., to ALZA Corporation. Agent dispenser comprising a semipermeable wall surrounding single-piece or two-piece container. 4,814,180, 3-21-89, Cl. 424-473.000.
Eckenhoff, James B.; Cortese, Richard; and Landrau, Felix A., to ALZA Corporation. Dispensing system with means for increasing delivery of beneficial agent from the system. 4,844,984, 7-4-89, Cl. 424-438.000.
Eckenhoff, James B.; Magruder, Judy A.; Cortese, Richard; Peery, John R.; and Wright, Jeremy C., to ALZA Corporation. Device comprising means for protecting and dispensing fluid sensitive medicament. 4,855,141, 8-8-89, Cl. 424-423.000.
Eckenhoff, James B., to ALZA Corporation. Dispensing system for administering beneficial agent. 4,865,598, 9-12-89, Cl. 604-892.100.
Eckenhoff, James B.; and Urquhart, John, to ALZA Corporation. Release rate adjustment of osmotic or diffusional delivery devices. 4,865,845, 9-12-89, Cl. 424-424.000.
Eckenhoff, James B., to ALZA Corporation. Ruminant dispensing device. 4,871,544, 10-3-89, Cl. 424-438.000.
Eckenhoff, James B., to ALZA Corporation. Process for forming dispensing device. 4,883,667, 11-28-89, Cl. 424-438.000.
Eckenhoff, James B.: *See—*
Campbell, Patricia S.; Eckenhoff, James B.; and Place, Virgil A., 4,867,982, Cl. 424-449.000.
Wong, Patrick S. L.; Theeuwes, Felix; Cortese, Richard; and Eckenhoff, James B., 4,824,675, Cl. 424-438.000.
Wong, Patrick S. L.; Theeuwes, Felix; and Eckenhoff, James B., 4,874,388, Cl. 604-891.100.
Eckenrod, John J.; Rhodes, Geoffrey O.; Pinnow, Kenneth E.; and Rover, William E., to Crucible Materials Corporation. Corrosion-resistant, low-carbon plus nitrogen austenitic stainless steels with improved machinability. 4,797,252, 1-10-89, Cl. 420-42.000.
Eckenrode, Robert T.; and Dillon, Joseph J., Jr., to Eaton Corporation. Headlight position adjustment assembly. 4,796,494, 1-10-89, Cl. 81-484.000.
Ecker, Andreas: *See—*
Witherow, William K.; and Ecker, Andreas, 4,810,094, Cl. 356-347.000.
Eckerle, Bruce T.: *See—*
Edgerton, Lee A.; and Eckerle, Bruce T., 4,870,066, Cl. 514-169.000.
Eckerle, Joseph S., to SRI International. Blood pressure monitoring method and apparatus. 4,799,491, 1-24-89, Cl. 128-672.000.
Eckerle, Joseph S., to SRI International. Blood pressure monitoring method and apparatus. 4,802,488, 2-7-89, Cl. 128-672.000.
Eckermann, Rolf W.: *See—*
Zaby, Gottfried; Judat, Helmut; Humburger, Siegbert; de Vos, Stefaan; and Eckermann, Rolf W., 4,851,570, Cl. 560-347.000.
Eckerson, Harold D. Method and apparatus for drug free neurostimulation. 4,865,048, 9-12-89, Cl. 128-791.000.
Eckert, Alton B.: *See—*
Clark, John I.; Eckert, Alton B.; and Warren, David M., 4,829,568, Cl. 380-23.000.
Eckert, Charles F.: *See—*
Mitchell, Julian M.; Wingrove, Donald E.; and Eckert, Charles F., 4,814,384, Cl. 525-211.000.
Eckert, Dieter; Henseler, Wolfgang; and Luetze, Hans, to Daimler-Benz Aktiengesellschaft. Vehicle door or body section, especially for a passenger motor vehicle. 4,811,517, 3-14-89, Cl. 49-145.000.
Eckert, Dieter: *See—*
Herzog, Siegfried; Eckert, Dieter; and Bausch, Max, 4,840,475, Cl. 350-604.000.
Eckert, Gerold: *See—*
Bauer, Karl-Heinz; Eckert, Gerold; and Maidhof, Rudiger, 4,800,466, Cl. 362-26.000.
Bauer, Karl-Heinz; and Eckert, Gerold, 4,803,323, Cl. 200-302.200.
Bauer, Karl-Heinz; and Eckert, Gerold, 4,823,238, Cl. 362-74.000.
Bauer, Karl-Heinz; and Eckert, Gerold, 4,840,114, Cl. 98-2.000.
Eckert, Horst; Feldmann, Joachim; and Warendorf, Gerhard, to WABCO Westinghouse Fahrzeugbremsen GmbH. Control input device. 4,888,997, 12-26-89, Cl. 73-862.650.
Eckert, Karl: *See—*
Wirz, Peter; Pfannekuche, Heinz-Wilhelm; Bathon, Thomas; and Eckert, Karl, 4,869,802, Cl. 204-298.000.
Eckert, Konrad, to Robert Bosch GmbH. Speed control system for motor vehicles operating in a curved path. 4,809,183, 2-28-89, Cl. 364-426.040.
Eckert, Steve J.; Salman, Mutasim A.; and Boustany, Nader M., to General Motors Corporation. Hierarchical brake controller. 4,850,650, 7-25-89, Cl. 303-9.620.
Eckerud, Ove, to Conforex AB. Arrangement for a wall. 4,835,931, 6-6-89, Cl. 52-586.000.
Eckes, Helmut; Winter, Rainer; and Munkel, Albert, to Hoechst Aktiengesellschaft. Aqueous pigment preparation, and the use thereof. 4,812,492, 3-14-89, Cl. 523-351.000.
Eckhardt, David A.: *See—*
Landt, Jeremy A.; Koelle, Alfred R.; and Eckhardt, David A., 4,888,591, Cl. 342-44.000.
Eckhardt, Fritz; Helbig, Peter; and Schonherr, Walter, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. Electric lamp bulb attachment arrangement. 4,795,939, 1-3-89, Cl. 313-318.000.
Eckhardt, Heinz; and Eggersdorfer, Manfred, to BASF Aktiengesellschaft. Preparation of beta-aryl alcohols. 4,820,882, 4-11-89, Cl. 568-715.000.
Eckhardt, Heinz; Gramlich, Walter; Best, Walter; and Halbritter, Klaus, to BASF Aktiengesellschaft. Preparation of alpha-substituted upsilon-butyrolactones. 4,831,166, 5-16-89, Cl. 549-323.000.
Eckhardt, Heinz: *See—*
Becker, Rainer; Eckhardt, Heinz; Fischer, Rolf; Spiegler, Wolfgang; and Vagt, Uwe, 4,837,346, Cl. 549-425.000.
Eckhardt, Helmut: *See—*
Baughman, Ray H.; Buff, Ernest D.; Eckhardt, Helmut; and Fuchs, Gerhard H., 4,848,875, Cl. 350-331.00R.
Maxfield, MacRae; Baughman, Ray H.; Iqbal, Zafar; and Eckhardt, Helmut, 4,870,051, Cl. 505-1.000.
Maxfield, MacRae; Baughman, Ray H.; Igbal, Zafar; and Eckhardt, Helmut, 4,879,270, Cl. 505-1.000.
Eckhardt, Thomas G.: *See—*
Burnett, William V., Jr.; Eckhardt, Thomas G.; and Fare, Louis R., 4,859,601, Cl. 435-253.500.
Burnett, William V., Jr.; Eckhardt, Thomas G.; and Fare, Louis R., 4,865,982, Cl. 435-252.350.
Eckhardt, Ulrich: *See—*
Hueckler, Volker; and Eckhardt, Ulrich, 4,821,834, Cl. 180-255.000.
Eckhardt, Volker; Dicke, Hans-Rudolf; and Freitag, Dieter, to Bayer Aktiengesellschaft. Thermoplastic polycarbonate branched with tetra-hydroxyaryl-bis-quinoxaline. 4,797,467, 1-10-89, Cl. 528-203.000.
Eckhardt, Volker; Dicke, Hans-Rudolf; Bottenbruch, Ludwig; Freitag, Dieter; and Biskup, Ulrich, to Bayer Aktiengesellschaft. Thermotropic aromatic polyester with high thermal stability. 4,801,677, 1-31-89, Cl. 528-176.000.
Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; and Freitag, Dieter, to Bayer Aktiengesellschaft. Thermotropic aromatic polyesters having a high deflection temperature under load and excellent mechanical properties, a process for their preparation and their use for the production of moldings, filaments, fibres and films. 4,806,619, 2-21-89, Cl. 528-128.000.
Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; Bottenbruch, Ludwig; Kleiner, Frank; and Blank, Heinz-Ulrich. Thermotropic aromatic polymers with high elongation at break, processes for their preparation and their use for the production of moulded articles, filaments, fibres and films. 4,835,243, 5-30-89, Cl. 528-176.000.
Eckhardt, Volker: *See—*
Kricheldorf, Hans-Rytger; Pakull, Ralf; Eckhardt, Volker; and Dicke, Hans-Rudolf, 4,861,857, Cl. 528-170.000.
Eckhardt, Wolfgang: *See—*
Beriger, Ernst; Eckhardt, Wolfgang; and Nyfeler, Robert, 4,861,787, Cl. 514-363.000.
Kunz, Walter; Eckhardt, Wolfgang; and Hubele, Adolf, 4,810,724, Cl. 514-473.000.
Nyfeler, Robert; Eckhardt, Wolfgang; and Beriger, Ernst, 4,861,367, Cl. 71-92.000.
Zondler, Helmut; Eckhardt, Wolfgang; and Nyfeler, Robert, 4,849,009, Cl. 71-92.000.
Zondler, Helmut; Eckhardt, Wolfgang; Nyfeler, Robert; and Brunner, Hans-Georg, 4,851,028, Cl. 71-76.000.
Eckhart, David: *See—*
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Eckhart, Manfred: *See—*
Ahlf, Heinz-Jurgen; Guhne, Gieland; and Eckhart, Manfred, 4,885,013, Cl. 55-367.000.
Eckhaus, Ira. Door jamb button. 4,806,711, 2-21-89, Cl. 200-61.620.

Eckhaus, Ira. Electrical wire connectors. 4,859,203, 8-22-89, Cl. 439-404.000.
Eckhaus, Ira: *See—*
Eckhaus, Yehudah Z.; and Eckhaus, Ira, 4,823,089, Cl. 324-525.000.
Eckhaus, Yehudah Z.; and Eckhaus, Ira. Burglar alarm fault detector. 4,823,089, 4-18-89, Cl. 324-525.000.
Eckl, John K., to Pitney Bowes Inc. Substrate transport apparatus, especially for mail handling. 4,821,049, 4-11-89, Cl. 346-134.000.
Eckl, John K., to Pitney Bowes Inc. Method for aligning a moving substrate and a read or write head. 4,833,591, 5-23-89, Cl. 364-167.010.
Eckl, John K., to Pitney Bowes, Inc. Apparatus for aligning a moving substrate and a read or write head. 4,855,607, 8-8-89, Cl. 250-557.000.
Eckler, Paul E., to International Minerals & Chemical Corp. Crystallization-inhibited trimethylolethane solutions. 4,847,439, 7-11-89, Cl. 568-853.000.
Eckles, Robert D., to Li-Cor, Inc. Infrared light generation. 4,803,370, 2-7-89, Cl. 250-504.00R.
Eckley, Robert C. Apparatus for drying material transported in a fluid stream. 4,860,405, 8-29-89, Cl. 19-0.270.
Ecklund, Denise J., to Tektronix, Inc. System for merging virtual partitions of a distributed database. 4,853,843, 8-1-89, Cl. 364-200.000.
Ecklund, Gary P. Self centering gate. 4,864,772, 9-12-89, Cl. 49-59.000.
Ecklund, Lawrence M.; and Espe, Roy H., to Motorola, Inc. Multiple function control circuit for an AM stereo receiver. 4,845,750, 7-4-89, Cl. 381-15.000.
Ecklund, Lawrence M., to Motorola, Inc. Automatic IF tangent lock control circuit. 4,872,207, 10-3-89, Cl. 455-255.000.
Ecklund, Lawrence M.: *See—*
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Ecklund, Leslie L.: *See—*
Breon, Mark S.; Buuck, Bryce A.; and Ecklund, Leslie L., 4,826,470, Cl. 474-110.000.
Ecklund, Richard C.; Hayase, Masashi; and Walkington, Robert J., to McDonnell Douglas Corporation. Curved SPF/DB sandwich fabrication. 4,833,768, 5-30-89, Cl. 29-421.100.
Eckold, Gerd-Juergen; and Maass, Hans. Apparatus for joining pieces of sheet metal. 4,835,850, 6-6-89, Cl. 29-243.520.
Eckstein, Fritz; Hunsmann, Gerhard; and Hartmann, Heinz, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V.; and Deutsches Primatenzentrum GmbH. Method of treating viral infections in humans and compositions therefor. 4,880,782, 11-14-89, Cl. 514-45.000.
Eckstein, Gerd-Otto: *See—*
Klein, Lutz; Panofski, Ernst; Eckstein, Gerd-Otto; Schmidt, Hans; and Plischke, Josef, 4,801,323, Cl. 65-108.000.
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Salter, James A.; McCusker, James J.; Arbore, Charles M.; Dirkse, Hen[illegible] A.; Everts, Rudi; Eckstein, Gunter; Scott, Andrew M.; and Terlouw, Teunis, 4,869,622, Cl. 406-119.000.
Eckstein, Gunter K.: *See—*
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Segerstrom, Clifford C.; Stil, Jacob H.; Schuurman, Pieter J.; and Eckstein, Gunter K., 4,889,540, Cl. 48-77.000.
Eckstein, James N.; Webb, Christopher; and Weng, Shang-Lin, to Varian Associates, Inc. Growth rate monitor for molecular beam epitaxy. 4,812,650, 3-14-89, Cl. 250-307.000.
Eckstein, Udo, to Bayer Aktiengesellschaft. Chromogenic phthalides. 4,812,569, 3-14-89, Cl. 546-94.000.
Eckstein, Udo: *See—*
Koll, Jochen; Muller, Friedhelm; Bieber, Werner; Konig, Joachim; Eckstein, Udo; and Theidel, Hans, 4,888,128, Cl. 252-301.230.
Eckstein, Wolfgang; and Kolbe, Gunther, to Dragerwerk Aktiengesellschaft. Breathing apparatus. 4,805,608, 2-21-89, Cl. 128-202.260.
Eckstein, Wolfgang; and Drews, Wolfgang, to Dragerwerk Aktiengesellschaft. Protective breathing device. 4,821,711, 4-18-89, Cl. 128-202.260.
Eckstein, Wolfgang; and Schirk, Karl-Heinz, to Dragerwerk Aktiengesellschaft. Filter arrangement. 4,828,590, 5-9-89, Cl. 55-316.000.
Eckstein, Wolfgang: *See—*
van der Smissen, Carl E.; Ernst, Rainer; and Eckstein, Wolfgang, 4,822,572, Cl. 422-126.000.
Eckstien, Zvi: *See—*
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Ecktman, Jack D., to Firestone Tire & Rubber Company, The. Die spring construction. 4,844,429, 7-4-89, Cl. 267-64.240.
Eclipse Ion Technology, Inc.: *See—*
Milgate, Robert W., III, 4,836,233, Cl. 137-14.000.
Eco-Tec Limited: *See—*
Brown, Craig J., 4,832,812, Cl. 204-237.000.
Ecodyne Corporation: *See—*
Yavorsky, William M., 4,817,830, Cl. 222-386.500.
Ecoffey, Olivier; Mueller, Theodore; and Sigg, Hans, to Meseltron S.A. Pneumatic ring gauge. 4,876,883, 10-31-89, Cl. 73-37.500.
Ecolab, Inc.: *See—*
Anderson, Douglas G.; and Pedersen, Daniel E., 4,826,822, Cl. 514-31.000.
Copeland, James L.; Nystuen, David L.; van Dijk, Lambertus P., deceased; and Snyder, Father Peter, administrator, 4,826,661, Cl. 422-106.000.
Copeland, James L.; and Brady, Daniel F., 4,845,965, Cl. 68-17.00R.
Greenwald, Richard B.; Liu, Chung-Tsing; and McDonell, James A., 4,874,540, Cl. 252-174.240.
Killa, Marlene C., 4,846,989, Cl. 252-99.000.
Kromrey, Edward P.; and Mehus, Richard J., 4,802,630, Cl. 239-428.000.
Kromrey, Edward P., 4,836,420, Cl. 222-148.000.
Lakhan, Haresh C.; Switala, Lawrence W.; and Ashton, Kim J., 4,836,229, Cl. 134-93.000.
Lehn, Chris F., 4,858,449, Cl. 68-12.00R.
Lentsch, Steven E.; and Oakes, Thomas R., 4,846,993, Cl. 252-95.000.
Morganson, Stephen A.; and Beecher, John L., 4,861,518, Cl. 252-548.000.
Oakes, Thomas R.; Pedersen, Daniel E.; and Majewski, Donna M., 4,883,828, Cl. 523-122.000.
Olson, Keith E., 4,830,773, Cl. 252-174.130.
Olson, Lynne A., 4,832,864, Cl. 252-174.120.
Thomas, John E., 4,867,341, Cl. 222-1.000.
Ecole Centrale des Arts et Manufactures de Paris: *See—*
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Ecolochem, Inc.: *See—*
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Ecological Systems, Inc.: *See—*
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Economic Combustion Systems Limited: *See—*
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Economides, Apollo P.; Gergely, Stephen; and Walton, Christopher, to Coventry City Council. Cardiac pacemaker circuit with fast stored charge reduction. 4,811,738, 3-14-89, Cl. 128-419.0PG.
Economides, Michael I.: *See—*
Prouvost, Laurent; and Economides, Michael I., 4,862,962, Cl. 166-250.000.
Economopoulos, Marios, to Centre de Recherches Metallurgiques-Centrum Voor Research in de Metallurgie. Process for manufacturing a high strength rail. 4,810,311, 3-7-89, Cl. 148-128.000.
Economou, Demetre J.: *See—*
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Economy, Constantine F.: *See—*
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Economy Engineering Company: *See—*
Latvys, Evaldas J.; and Barnhart, Ronald W., 4,821,835, Cl. 180-282.000.
Economy, James; Susko, John R.; Volksen, Willi; and Wheater, Robin A., to International Business Machines Corporation. Sealant for integrated circuit modules, polyester suitable therefor and preparation of polyester. 4,818,812, 4-4-89, Cl. 528-176.000.
Economy, Theodore F.: *See—*
Moore, William A.; Economy, Constantine F.; and Economy, Theodore F., 4,860,876, Cl. 194-205.000.
Ecoplastics Limited: *See—*
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ECP Energy Conservation Products: *See—*
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ECR Technologies, Inc.: *See—*
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ECS Corporation: *See—*
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Furukawa, Takao, 4,869,050, Cl. 53-510.000.
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Spector, Myron, 4,882,149, Cl. 424-425.000.
Ed. Scharwachter GmbH & Co. KG: *See—*
Brockhaus, Ernst, 4,800,623, Cl. 16-254.000.
Brockhaus, Ernst, 4,854,009, Cl. 16-263.000.
Brockhaus, Ernst, 4,864,689, Cl. 16-262.000.
Tolle, Karl-Heinz; Heinemann, Heinz-Walter; Brockhaus, Jurgen; and Fiebrich, Wolfgang, 4,879,785, Cl. 16-82.000.
Ed. Zublin Aktiengesellschaft: *See—*
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Eda, Hiroshi: *See—*
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Eda, Kensaku: *See—*
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Eda, Shigehiro: *See—*
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Eda, Yasuyuki; Maeda, Toshihiro; Nishiyama, Kiyoto; and Tashiro, Akira, to Juridical Foundation the Chemo-Sero-Therapeutic Research Institute. Method for preparing monoclonal antibody to Hbsag. 4,883,752, 11-28-89, Cl. 435-68.000.
Edagawa, Setsuji: *See—*
Nakai, Hirotaka; and Edagawa, Setsuji, 4,886,972, Cl. 250-504.00R.

- Edahiro, Takao; Miya, Tetsuo; Sasaki, Yutaka; Okamoto, Katusunari; and Kawachi, Masao, to Nippon Telegraph & Telephone Public Corporation. Method for making single-polorization, single mode optical fibers. 4,838,916, 6-13-89, Cl. 65-3.110.
- Edahiro, Takeshi: *See*—
  - Inoue, Hitoshi; Kondo, Toshiro; Takata, Naoto; and Edahiro, Takeshi, 4,819,959, Cl. 280-660.000.
  - Kanai, Seita; Edahiro, Takeshi; Sato, Yoshihiro; and Oda, Masashi, 4,810,004, Cl. 280-690.000.
  - Kijima, Takao; and Edahiro, Takeshi, 4,874,185, Cl. 280-690.000.
- Edajima, Toshikazu, to Mitsubishi Denki Kabushiki Kaisha. Transfer mechanism for nuclear reactor instruments. 4,802,379, 2-7-89, Cl. 74-502.600.
- Edakubo, Hiroo; Sato, Chikara; Kozuki, Susumu; and Yoshimura, Katsuji, to Canon Kabushiki Kaisha. Video signal reproducing apparatus using memory. 4,870,510, 9-26-89, Cl. 360-27.000.
- Edakubo, Hiroo: *See*—
  - Kimura, Takashi; Yatomi, Toshiya; and Edakubo, Hiroo, 4,873,591, Cl. 360-85.000.
  - Kozuki, Susumu; Takahashi, Koji; Satoh, Keiji; Nagasawa, Kenichi; Edakubo, Hiroo; and Otokawa, Mitsuhiro, 4,879,609, Cl. 360-66.000.
  - Nagasawa, Kenichi; Takimoto, Hiroyuki; Otokawa, Mitsuhiro; Edakubo, Hiroo; Kozuki, Susumu; and Satoh, Keiji, 4,802,031, Cl. 360-77.150.
  - Otokawa, Mitsuhiro; Takimoto, Hiroyuki; Satoh, Keiji; Takahashi, Koji; and Edakubo, Hiroo, 4,825,307, Cl. 360-27.000.
  - Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; Sato, Chikara; and Takahashi, Koji, 4,864,430, Cl. 360-10.200.
  - Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; and Sato, Chikara, 4,873,587, Cl. 360-9.100.
- Edamula, Kaoru, to Sharp Kabushiki Kaisha. Oven with electronic remote controller. 4,837,414, 6-6-89, Cl. 219-10.55B.
- Edamura, Kaoru, to Sharp Kabushiki Kaisha. Microwave oven with remote controller. 4,816,635, 3-28-89, Cl. 219-10.55B.
- Edamura, Kaoru, to Sharp Kabushiki Kaisha. Control unit for a heating system with memory means. 4,841,125, 6-20-89, Cl. 219-506.000.
- Edano, Shigeki: *See*—
  - Taniguti, Yoshiharu; Edano, Shigeki; Tanaka, Kazuhiko; Taniguti, Shiniti; and Kuramoto, Megumi, 4,800,278, Cl. 250-338.100.
- EDAP International: *See*—
  - Dory, Jacques, 4,856,107, Cl. 367-150.000.
- Edd, Jon F.: *See*—
  - Fleming, Hubert L.; Edd, Jon F.; Pearson, Alan; Chou, Chin-Liang; Kono, Hisashi O.; and Huang, Ching-Chung, 4,797,271, Cl. 423-625.000.
- Eddinger, Kevin B.: *See*—
  - Mosser, Mark F.; Eddinger, Kevin B.; and Fabiny, William J., 4,863,516, Cl. 106-14.120.
- Eddio Corporation: *See*—
  - Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.
- Eddleman, Roy T., to Spectrum Medical Industries. Process for performing a dialysis operation. 4,828,706, 5-9-89, Cl. 210-644.000.
- Eddlemon, Dennis N., to Apex Microtechnology Corporation. Bias voltage and constant current supply circuit. 4,808,909, 2-28-89, Cl. 323-313.000.
- Eddowes, Mark J., to Thorn EMI plc. Buffer compensation in enzyme-modified ion sensitive devices. 4,839,000, 6-13-89, Cl. 204-1.00T.
- Eddy, Carlton A.: *See*—
  - Dunn, Richard L.; Gibson, John W.; Eddy, Carlton A.; and Laufe, Leonard E., 4,841,968, Cl. 128-335.500.
- Eddy, Dale P.: *See*—
  - Corser, George; Hammond, Gary C.; and Eddy, Dale P., 4,838,093, Cl. 73-861.530.
  - Hammond, Gary C.; Corser, George A.; and Eddy, Dale P., 4,860,594, Cl. 73-861.420.
- Eddy Forest Products, Ltd.: *See*—
  - Gladish, Herbert E.; Hallett, Ronald C.; and Blair, Richard C., 4,887,706, Cl. 198-774.000.
- Eddy, Michael. Optical occluder. 4,824,235, 4-25-89, Cl. 351-200.000.
- Eddy Pump Corporation: *See*—
  - Weinrib, Harry P., 4,815,929, Cl. 415-53.00R.
- Eddy, Richard P., to Christie Electric Corporation. Endless loop transport and storage system. 4,836,463, 6-6-89, Cl. 242-55.19R.
- Eddy, Richard P., to Christie Electric Corporation. Endless loop transport and storage system. 4,844,367, 7-4-89, Cl. 242-55.19R.
- Eddy, Victoria J.: *See*—
  - Bolon, Donald A.; Eddy, Victoria J.; and Hallgren, John E., 4,855,199, Cl. 430-18.000.
  - Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J., and Irwin, Patricia C., 4,853,423, Cl. 523-428.000.
- Eddy, William A., to Peak Systems, Inc. Apparatus and method for transferring workpieces. 4,808,059, 2-28-89, Cl. 414-416.000.
- Edel, Stephen F.; and Van Pham, Ich, to International Business Machines Corporation. Disk file digital servo control system with optimized sampling rate. 4,816,941, 3-28-89, Cl. 360-78.120.
- Edel, Stephen F.; Workman, Michael L.; Yamamoto, Kenneth G.; and Yu, Mantle M. H., to International Business Machines Corporation. Disk file digital servo control system with compensation for variation in actuator acceleration factor. 4,835,633, 5-30-89, Cl. 360-78.120.
- Edelberg, Rainer: *See*—
  - Vates, Heinz; and Edelberg, Rainer, 4,835,064, Cl. 428-513.000.
- Edele, Reinhard; and Schmid, Eckhardt, to SWF Auto-Electric GmbH. Wiper blade for cleaning window panes of motor vehicles. 4,802,257, 2-7-89, Cl. 15-250.320.
- Edeleanu Gesellschaft mbH: *See*—
  - Putz, Joachim E., 4,834,546, Cl. 366-141.000.
- Edelen, Stephen A.; Allen, David T.; and Zylman, Bill E., to Eaton Corporation. Electrically actuated x-y shifting mechanism. 4,873,881, 10-17-89, Cl. 74-336.00R.
- Edelhauser, Henry F.: *See*—
  - Gressel, Philip D.; Roehrs, Robert E.; Ubels, John L.; and Edelhauser, Henry F., 4,826,871, Cl. 514-438.000.
- Edelhoff, Gustav D., to Edelhoff Polytechnik, GmbH. & Co. Garbage collecting truck. 4,844,682, 7-4-89, Cl. 414-408.000.
- Edelhoff M.S.T.S.: *See*—
  - Ahrens, Uwe; and Drunk, Gerhard, 4,868,796, Cl. 367-96.000.
- Edelhoff Polytechnik, GmbH. & Co.: *See*—
  - Edelhoff, Gustav D., 4,844,682, Cl. 414-408.000.
- Edelist, Maurine S. Security pouch. 4,815,510, 3-28-89, Cl. 150-134.000.
- Edelman, Arie B. C.; Kleijn, Jan B.; de Haas, Maarten A.; and Hoogendoorn, Thomas M., to Hoogovens Groep B.V. Method for the manufacture of hard steel sheet from Al-killed continuous-cast carbon-manganese steel. 4,838,955, 6-13-89, Cl. 148-2.000.
- Edelman, Howard; and Ritson, Carl, to Critikon, Inc. Pinch valve mechanism for a parenteral infusion system. 4,878,646, 11-7-89, Cl. 251-9.000.
- Edelman, Isidore S.; Erlanger, Bernard F.; Tzilianos, Eftihia; and Cleveland, William L., to Columbia University in the City of New York, The Trustees of. Auto-anti-idiotypic monoclonal antibodies to steroid receptors and uses thereof. 4,818,684, 4-4-89, Cl. 435-7.00
- Edelman, Robert; and Ying, Lincoln, to M&T Chemicals Inc. Polysiloxane-modified polyimidesulfone or polyimideketone molding composition. 4,822,843, 4-18-89, Cl. 524-494.000.
- Edelmann, Hermann; Pasch, Anton; Klose, Sigmar; Haar, Hans-Peter; and Mann, Karlheinz, to Boehringer Mannheim GmbH. Centrifugal analyzer rotor unit and insert elements. 4,814,144, 3-21-89, Cl. 422-102.000.
- Edelmann, Hermann: *See*—
  - Haar, Hans-Peter; Edelmann, Hermann; Herrmann, Horst; and Thiery, Joachim, 4,838,999, Cl. 204-1.00T.
- Edelson, Richard L.; and Tripodi, Daniel J., to Therakos Inc. Active specific immune suppression. 4,838,852, 6-13-89, Cl. 604-4.000.
- Edelson, Richard L.: *See*—
  - Saffran, Wilma A.; Edelson, Richard L.; Gasparro, Francis P.; Welsh, John T.; and Cantor, Charles R., 4,868,311, Cl. 548-303.000.
- Edelstein, William A.; and Schenck, John F., to General Electric Company. Current streamline method for coil construction. 4,840,700, 6-20-89, Cl. 156-634.000.
- Edelstein, William A.: *See*—
  - Bottomley, Paul A.; Roemer, Peter B.; Edelstein, William A.; and Mueller, Otward M., 4,881,032, Cl. 324-309.000.
  - Roemer, Peter B.; and Edelstein, William A., 4,825,162, Cl. 324-318.000.
  - Roemer, Peter B.; and Edelstein, William A., 4,871,969, Cl. 324-318.000.
  - Roemer, Peter B.; and Edelstein, William A., 4,872,515, Cl. 324-318.000.
  - Roemer, Peter B.; Bottomley, Paul A.; and Edelstein, William A., 4,885,539, Cl. 324-318.000.
  - Roemer, Peter B.; Edelstein, William A.; Hayes, Cecil E.; and Eash, Matthew G., 4,887,039, Cl. 324-322.000.
- Eden, Gary M., to General Motors Corporation. Apparatus for protecting a transistor in the event of a shorted load condition. 4,816,963, 3-28-89, Cl. 361-101.000.
- Eden, J. Gary; King, Kevin K.; and Tavitian, Viken, to Eaton Corporation. Semiconductor processing by a combination of photolytic, pyrolytic and catalytic processes. 4,843,030, 6-27-89, Cl. 437-88.000.
- Eden, Jamal S.; and Cowfer, Joseph A., to B.F. Goodrich Company, The. Catalyst and process for the fluid-bed oxychlorination of ethylene to EDC. 4,849,393, 7-18-89, Cl. 502-225.000.
- Eden, James; Trksak, Ralph M.; and Williams, Robert, to National Starch and Chemical Corporation. Starch based encapsulation process. 4,812,445, 3-14-89, Cl. 514-60.000.
- Eden, James; and Trksak, Ralph M., to National Starch and Chemical Corporation. Process for spinning starch fibers. 4,853,168, 8-1-89, Cl. 264-180.000.
- Eden, James L.; Kasica, James J.; and Zallie, James P., to National Starch and Chemical Corporation. Process for the manufacture of cast jelly gum confectionaries. 4,874,628, 10-17-89, Cl. 426-572.000.
- Eden Medizinische Elektronik GmbH: *See*—
  - Aaslid, Rune, 4,817,621, Cl. 128-662.030.
- Eden, Peter G.: *See*—
  - Bennett, Walter; and Eden, Peter G., 4,817,411, Cl. 72-255.000.
- Eden, Wade A.: *See*—
  - Kage, Hermann J.; Detterman, Don E.; Eden, Wade A.; and Chapman, Alex B., 4,823,150, Cl. 346-146.000.
- Edenborough, Kevin L.: *See*—
  - Schliesing, John A.; and Edenborough, Kevin L., 4,866,975, Cl. 244-161.000.
- Edenhofer, Bernd; and Pfau, Hans, to Ipsen Industries International Gesellschaft mit beschrankter Haftung. Method for gaseous carburization of steel. 4,881,982, 11-21-89, Cl. 148-16.500.
- Edentec Corporation: *See*—
  - Bowman, Bruce R., 4,803,997, Cl. 128-723.000.

- Eder, Alfred; and Albarda, Scato, to Dragerwerk Aktiengesellschaft. Magnetic field producing device for determining the concentration of a paramagnetic substance passed through a rotating cell chamber. 4,808,922, 2-28-89, Cl. 324-204.000.
- Eder, Josef. Device for adjusting the trigger weight of a revolver. 4,819,358, 4-11-89, Cl. 42-65.000.
- Eder, Matthias; and Kerr, Walter B., to United Technologies Corporation. Augmentor fuel system. 4,802,334, 2-7-89, Cl. 60-261.000.
- Eder, Michael; Leutner, Klaus; and Pohl, Siegfried, to Siemens Aktiengesellschaft. Circuit arrangement for telecommunications switching systems, particularly for telephone switching systems comprising information-processing sequential logic systems and traffic measuring devices. 4,802,205, 1-31-89, Cl. 379-113.000.
- Eder, Robert L., to Emhart Industries, Inc. Shaft detent assembly for a timing mechanism. 4,796,484, 1-10-89, Cl. 74-568.00T.
- Eder, Ulrich: *See*—
  - Haffer, Gregor; Sauer, Gerhard; Wachtel, Helmut; Schneider, Herbert; Eder, Ulrich; and Lorenz, Hans-Peter, 4,826,852, Cl. 514-288.000.
- Edgar, Duane: *See*—
  - Kumar, Shalabh; and Edgar, Duane, 4,835,676, Cl. 364-142.000.
  - Kumar, Shalabh; and Edgar, Duane, 4,839,789, Cl. 364-142.000.
- Edgar, Jack K.; and Kalro, Chandru M., to Diversified Technologies, Inc. Apparatus and method for launch and recovery of watercraft onto and from the deck of a host vessel. 4,864,957, 9-12-89, Cl. 114-258.000.
- Edgar, Kevin J.: *See*—
  - Steinmetz, Guy R.; Edgar, Kevin J.; and Falling, Stephen N., 4,885,384, Cl. 562-406.000.
- Edgar, Reuben W., Jr., to Nippon Colin Co., Ltd. Backscatter oximeter. 4,854,699, 8-8-89, Cl. 356-41.000.
- Edgar, Reuben W., Jr.: *See*—
  - Branstetter, Ronald L.; and Edgar, Reuben W., Jr., 4,796,636, Cl. 128-633.000.
- Edgar, Roger F.; and Hindle, Peter H., to Infrared Engineering Limited. Method and apparatus for sensing or determining one or more properties or the identity of a sample. 4,885,709, 12-5-89, Cl. 364-563.000.
- Edgar, Roy L.: *See*—
  - Courtois, Peter D.; and Edgar, Roy L., 4,846,433, Cl. 248-235.000.
- Edgar, William: *See*—
  - Pielet, Howard M.; Frank, Larry A.; Edgar, William; and Alavanja, Milan, 4,881,990, Cl. 148-320.000.
- Edge, Clarence L. Lost foam sand casting apparatus. 4,844,142, 7-4-89, Cl. 164-253.000.
- Edge Engineering, Inc.: *See*—
  - Wiech, Raymond E., Jr., 4,858,324, Cl. 30-357.000.
- Edge Line Products, Inc.: *See*—
  - Rosenberg, Ira E., 4,828,885, Cl. 427-387.000.
- Edge, William S.: *See*—
  - Salmon, John K.; and Edge, William S., 4,807,723, Cl. 187-20.000.
- Edgecomb, Robert K.; Rose, Maurice T.; and Smith, Rodney B., to General Motors Corporaion. Locking mechanism. 4,842,010, 6-27-89, Cl. 137-343.000.
- Edgecraft Corp.: *See*—
  - Friel, Daniel D., 4,807,399, Cl. 51-109.0BS.
- Edgerton, Cathy J.: *See*—
  - Jensen, William T.; Brown, Vincent B.; Edgerton, Cathy J.; and Masterson, Robert W., 4,857,002, Cl. 439-76.000.
- Edgerton, Lee A.; and Eckerle, Bruce T., to University of Kentucky Research Foundation, The. Method and composition for safely delaying parturition and synchronizing farrowing in swine. 4,870,066, 9-26-89, Cl. 514-169.000.
- Edgerton, Preston. Lid opening tool. 4,829,619, 5-16-89, Cl. 7-156.000.
- Edgewater Medical Systems: *See*—
  - Allen, R. Daniel, 4,809,687, Cl. 128-84.00R.
- Edgley, Kevin D.; and Stromberg, James L., to Halliburton Company. Dry sand foam generator. 4,830,794, 5-16-89, Cl. 261-62.000.
- Edgren, David E.; Magruder, Judy A.; and Bhatti, Gurdish K., to ALZA Corporation. Controlled release dosage form comprising different cellulose ethers. 4,871,548, 10-3-89, Cl. 424-488.000.
- Edgren, David E.: *See*—
  - Jordan, Maureen L.; Ayer, Atul D.; Magruder, Paul R.; and Edgren, David E., 4,814,181, Cl. 424-473.000.
- EDI Engineering Limited: *See*—
  - Boddey, Derek O.; and Young, Alan G., 4,805,519, Cl. 98-1.000.
- Edic: *See*—
  - Jacobs, Paul G.; Avecilia, Bonifacio N.; and Lapworth, Norman, 4,809,397, Cl. 15-320.000.
- Edidin, Michael: *See*—
  - Packard, Beverly; Edidin, Michael; and Komoriya, Akira, 4,889,916, Cl. 525-54.100.
- Edighoffer, John A.: *See*—
  - Neil, George R.; and Edighoffer, John A., 4,809,281, Cl. 372-2.000.
- Edina Technical Products, Inc.: *See*—
  - Humphrey, Dallas, 4,852,767, Cl. 221-241.000.
- Edinger, Richard L.: *See*—
  - Spoltman, Mark W.; Bowerman, Richard D.; and Edinger, Richard L., 4,810,167, Cl. 416-229.00A.
- Edington, Frederick R., II: *See*—
  - Cogswell, Sarah L.; and Edington, Frederick R., II, 4,796,553, Cl. 116-173.000.
- Edison, David H.: *See*—
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,837,117, Cl. 428-392.000.
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,856,146, Cl. 19-0.350.
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,856,147, Cl. 19-0.350.
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,857,385, Cl. 428-189.000.
  - Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,863,780, Cl. 428-189.000.
- Edison Price Incorporated: *See*—
  - Price, Edison A., 4,814,955, Cl. 362-275.000.
- Edl, Wolfgang; and Sienel, Gunter R., to Peroxid-Chemie GmbH. Process for the production of epoxides. 4,882,442, 11-21-89, Cl. 549-525.000.
- Edler, Fred G.: *See*—
  - Mick, Ronald L., Jr.; Kipling, Kent K.; and Edler, Fred G., 4,824,001, Cl. 156-64.000.
- Edler, Peter A., to National Semiconductor Corporation. Low noise, high speed current or voltage amplifier. 4,888,562, 12-19-89, Cl. 330-291.000.
- Edler, Werner: *See*—
  - Heyn, Hans D.; and Edler, Werner, 4,819,553, Cl. 99-305.000.
- Edlich, Wilfried: *See*—
  - Banasiak, Lothar; Edlich, Wilfried; Lyr, Horst; Nega, Eva; and Sunkel, Marianne, 4,879,291, Cl. 514-237.800.
- Edling, Jack V. Rotary engine with a pair of piston assemblies and shuttle valves. 4,836,761, 6-6-89, Cl. 418-188.000.
- Edlund, Lars G. E.: *See*—
  - Weidmo, Thomas; Edlund, Lars G. E.; Gullstrand, Knut S. R.; Malmgren, Carl J.; and Eskilsson, Erik B., 4,817,339, Cl. 51-165.710.
- Edlund, Roy, to Busak + Luyken GmbH & Co. Fluid sealing ring and wiper assembly. 4,819,952, 4-11-89, Cl. 277-165.000.
- Edman, Jeffrey C.; Rutter, William J.; Hallewell, Robert A.; Valenzuela, Pablo D. T.; and Goodman, Howard M., to University of California, The Regents of the. Amplified expression vector. 4,820,642, 4-11-89, Cl. 435-252.330.
- Edman, Walter W.; and Klemm, Ernest J., to Zotos International, Inc. Permanent waving composition. 4,798,722, 1-17-89, Cl. 424-72.000.
- Edminister, Robert E.; and Cavazos, Raul V., Jr., to Motorola, Inc. Power relay/safing device for a fuze system. 4,858,530, 8-22-89, Cl. 102-208.000.
- Edmisten, Frank D., to B. F. Goodrich Company, The. Brake apparatus. 4,863,001, 9-5-89, Cl. 188-218.0XL.
- Edmonds, David P.: *See*—
  - Doyle, Thomas E.; Edmonds, David P.; McAninch, Michael D.; and Ryan, Patrick M., 4,842,186, Cl. 228-222.000.
- Edmonds, James T., Jr.; Geibel, Jon; Bobsein, Rex L.; and Straw, Jim J., to Phillips Petroleum Company. Poly(arylene sulfide sulfone) polymer containing ether groups. 4,808,694, 2-28-89, Cl. 528-125.000.
- Edmonds, Mark P.; and Donegan, Anthony, to Alcatel N.V. Multiple memory loading system based on multilevel lists. 4,866,668, 9-12-89, Cl. 364-900.000.
- Edmonds, Michael G.; and Dennis, Peter A., to Kentinental Engineering Limited. Knockdown cabinet. 4,848,859, 7-18-89, Cl. 312-257.100.
- Edmonds, Thomas E.: *See*—
  - Graham, Donald A.; and Edmonds, Thomas E., 4,811,230, Cl. 364-428.000.
- Edmondson, Brian: *See*—
  - Adams, Michael J.; and Edmondson, Brian, 4,822,273, Cl. 425-385.000.
- Edmondson, Colin G.: *See*—
  - Anwyll, Joseph; Edmondson, Colin G.; and Marsh, David J., 4,869,544, Cl. 296-155.000.
- Edmondson, Morris S.: *See*—
  - Lancaster, Gerald M.; and Edmondson, Morris S., 4,795,665, Cl. 428-34.200.
- Edmondson, Peter C. Door latch assembly with see-through capabilities. 4,854,616, 8-8-89, Cl. 272-173.000.
- Edmondson, Peter C.; and Kairis, John T., to Edmondson, Peter C. Door latch assembly. 4,867,492, 9-19-89, Cl. 292-165.000.
- Edmund Buhler GmbH & Co.: *See*—
  - Fink, Willi, 4,817,445, Cl. 73-864.620.
- Edmunds, Cyril G., to Xerox Corporation. Dual roll cleaning apparatus for charge retentive surface. 4,878,093, 10-31-89, Cl. 355-296.000.
- Edmundson, Robert J.; and Jacks, Terry C., to Plough, Inc. High-gloss, high-shine lipstick. 4,873,078, 10-10-89, Cl. 424-64.000.
- EDO Corporation: *See*—
  - Ellinger, S. Michael; and Jones, Howard P., 4,815,323, Cl. 73-290.00V.
  - Lender, Robert J., 4,818,905, Cl. 310-42.000.
- EDO Corporation, Western Division: *See*—
  - Bromfield, George, 4,845,687, Cl. 367-158.000.
  - Lapetina, Robert A.; Snow, Gordon L.; and Baird, David P., 4,864,179, Cl. 310-337.000.
- Edo, Shouichi; and Aoki, Hiroyuki, to Nissan Motor Company, Ltd. Magnetostrictive device for measuring torsional torque. 4,823,620, 4-25-89, Cl. 73-862.360.
- Edouard, Bridoux; Lievin, Camus; Christian, Bruneel; Marc, Gazalet; and Torguet, Roger, to Centre National De La Recherche Scientifique. Multi-frequency acousto-optic modulation process and apparatus. 4,799,777, 1-24-89, Cl. 350-358.000.
- Edouard Dubied & Cie. S.A.: *See*—
  - Hoya, Fernando, 4,805,423, Cl. 66-78.000.

- Edrich, Gunter; and Deppert, Klaus, to Schon & Cie. GmbH. Holding device on a punch press. 4,852,865, 8-1-89, Cl. 269-48.000.
- Edris, Abdel-Aty O. M., to Asea Brown Boveri AB. Method and arrangement for protecting turbine generators against subsynchronous resonances occurring in power transmission systems. 4,843,513, 6-27-89, Cl. 361-20.000.
- EDS Technologies Inc.: *See—*
  - Greene, H. Jack; Royer, Russell J.; Smidl, Robert L., Jr.; and Renkes, Scott D., 4,819,758, Cl. 180-168.000.
- Edson, William A., to SRI International. Fluid motor-pumping apparatus and system. 4,830,583, 5-16-89, Cl. 417-318.000.
- Edstrom, Andrew, to Abend, Serge, a part interest. Omnidirectionally tilting and swivelling support mechanism for chairs or the like. 4,807,841, 2-28-89. Cl. 248-580.000.
- Edstrom, Per A.: *See—*
  - Benson, Bengt H.; and Edstrom, Per A., 4,815,110, Cl. 375-107.000.
- Edstrom, Stefan: *See—*
  - Andersson, Bjorn; Bjorkelund, Mats; Edstrom, Stefan; Fager, Jan; and Schofield, Monica, 4,831,232, Cl. 219-124.340.
- Edtech Company: *See—*
  - Schwartz, Edward M.; Morgan, Robert E.; and Everman, Wilburn D., 4,881,471, Cl. 108-144.000.
- Eduard Baltensperger: *See—*
  - Baltensperger, Eduard, 4,860,843, Cl. 180-373.000.
- Eduard Gerlach GmbH: *See—*
  - Detert, Ernst-Rolf; Buchholz, Wilhelm H.; and Gerlach-Meinders, Klaus, 4,832,791, Cl. 162-99.000.
- Eduard Kusters Maschinenfabrik GmbH & Co. KG: *See—*
  - Kusters, Karl-Heinz, 4,856,157, Cl. 29-116.200.
  - Kutz, Johannes; and Keller, Walter, 4,862,713, Cl. 68-21.000.
  - Kutz, Johannes; and von Harten, Gunter, 4,878,365, Cl. 68-9.000.
  - Moser, Manfred; Itgenshorst, Dieter; and Kutz, Johannes, 4,872,325, Cl. 68-200.000.
  - Schrors, Gunter; Brendel, Bernhard; and Hartmann, Werner, 4,877,331, Cl. 374-153.000.
- Edward, Brian J.; Lang, Richard J.; and Rees, Daniel E., to General Electric Company. Microstrip fed printed dipole with an integral balun and 180 degree phase shift bit. 4,800.393, 1-24-89, Cl. 343-821.000.
- Edward, Brian J.; and Rees, Daniel F., to General Electric Company. Microstrip fed printed dipole with an integral balun. 4,825,220, 4-25-89, Cl. 343-795.000.
- Edward, Brian J.; and Wanuga, Stephen, to General Electric Company. Optical distribution of transmitter signals and antenna returns in a phased array radar system. 4,885,589, 12-5-89, Cl. 342-175.000.
- Edward I. Kavanagh: *See—*
  - Lange, Edwin L., 4,881,768, Cl. 292-251.000.
- Edward L. Bateman Limited: *See—*
  - Blom, Peter W. E.; and Wingard, Johann H., 4,861,446, Cl. 204-170.000.
- Edward Orton, Jr., Ceramic Foundation: *See—*
  - Vukovich, Milan, Jr., 4,863,374, Cl. 432-121.000.
- Edward S. Robbins, III: *See—*
  - Robbins, Edward S., III; and Onocki, Theodore J., 4,871,264, Cl. 383-68.000.
- Edward W. Andrew, Ltd.: *See—*
  - Andrew, Edward D.; and Hayhurst, Peter, 4,856,769, Cl. 271-193.000.
- Edward W. Face Co., Inc., The: *See—*
  - Face, Samuel A., III, 4,875,802, Cl. 404-67.000.
- Edward Weck & Company, Inc.: *See—*
  - Peters, Rudolph; Peters, Ronald L.; and Taylor, William, 4,807,628, Cl. 128-334.00R.
- Edward Weck Incorporated: *See—*
  - Gluzerman, Boris; Lakatos, Nicholas; and Hensler, Paul W., 4,887,894, Cl. 350-636.000.
  - Guest, Robert L., 4,795,439, Cl. 604-43.000.
  - Mueller, Richard L., 4,801,297, Cl. 604-280.000.
  - Oh, Seik; and McKinney, Ray, Jr., 4,834,096, Cl. 128-325.000.
  - Zwarun, Andrew A.; and Buglino, Steven T., 4,828,797, Cl. 422-55.000.
  - Zwarun, Andrew A.; and Price, Gail L., 4,880,466, Cl. 106-21.000.
- Edwards, A. Glen; Wesson, David S.; and Brieger, Emmet F., to Halliburton Company. Apparatus for absorbing shock. 4,817,710, 4-4-89, Cl. 166-242.000.
- Edwards, Alan M.; and Foulds, Richard A., to Fisons plc. Method of treating cystic fibrosis. 4,866,072, 9-12-89, Cl. 514-291.000.
- Edwards, Allen P.; and Gildea, David R., to Hewlett-Packard Company. Vector modulation signal generator. 4,843,351, 6-27-89, Cl. 332-17.000.
- Edwards, Anne M.; and Rosen, Allen, to Union Camp Corporation. Pulp blends for linerboards. 4,836,892, 6-6-89, Cl. 162-141.000.
- Edwards, Anne M.: *See—*
  - Woods, Daniel E.; Gocht, Ronald E.; Higgins, Peter M.; Edwards, Anne M.; Rowlands, Hugh; Scanlon, Edward F.; and Putzer, Jerry, 4,813,077, Cl. 382-7.000.
- Edwards, Arthur J.; and Gray, Randall C., to Motorola Inc. Integrated circuit voltage regulator and charging system. 4,882,531, 11-21-89, Cl. 322-60.000.
- Edwards, Bill R. Polyester resin compositions. 4,841,016, 6-20-89, Cl. 528-272.000.
- Edwards, Billy J.; and Starks, Jimmy A. Sucker rod guide. 4,858,688, 8-22-89, Cl. 166-241.000.
- Edwards, Bobby: *See—*
  - Acree, William M.; Edwards, Bobby; and Black, John W., 4,824,785, Cl. 435-237.000.
- Edwards,-Bruce E.: *See—*
  - Holloway, John T.; Moon, David A.; Cannon, Howard I.; Knight, Thomas F., Edwards, Bruce E.; and Weinreb, Daniel L., 4,887,235, Cl. 364-900.000.
- Edwards, Bruce W.: *See—*
  - Edwards, D. Brandon; Edwards, Bruce W.; Howard, Ian D.; and Ives, Donald H., 4,877,316, Cl. 350-537.000.
- Edwards, Bryant, to Marpam International, Inc. Hypodermic jet injector and cartridge therefor. 4,874,367, 10-17-89, Cl. 604-72.000.
- Edwards, Carl K., III; and Yunger, Libby M., to Pitman-Moore, Inc. Method for stimulating the immune system. 4,837,202, 6-6-89, Cl. 514-12.000.
- Edwards, Carl K., III: *See—*
  - Jacobs, Martin J.; Edwards, Carl K., III; and Myers-Keith, Paula, 4,842,862, Cl. 424-422.000.
- Edwards, Charles L., to Shell Oil Company. Preparation of nonionic surfactants. 4,825,009, 4-25-89, Cl. 568-618.000.
- Edwards, Charles L.: *See—*
  - Fried, Herbert E.; and Edwards, Charles L., 4,879,394, Cl. 549-255.000.
- Edwards, Clarence C. Apparatus for viewing a refracted image and photographic method. 4,805,990, 2-21-89, Cl. 350-168.000.
- Edwards, Clarence C.; and Edwards, Clarence C., Jr., to Edwards, Clarence C. Imaging system employing an electronic variable color filter. 4,851,900, 7-25-89, Cl. 358-81.000.
- Edwards, Clarence C., Jr.: *See—*
  - Edwards, Clarence C.; and Edwards, Clarence C., Jr., 4,851,900, Cl. 358-81.000.
- Edwards, Clarence K.; and Edwards, Lawrence D., to Kadee Metal Products Co. Model locomotive truck mounting mechanism. 4,799,431, 1-24-89, Cl. 105-1.500.
- Edwards, D. Brandon; Edwards, Bruce W.; Howard, Ian D.; and Ives, Donald H., to Edwards Optical Corporation. Telemicroscopic apparatus for sighting and bi-level viewing. 4,877,316, 10-31-89, Cl. 350-537.000.
- Edwards, David G.; Finlay, Gerard; Boyle, David J.; Heasly, Clyde C., Jr.; Walsh, Joseph M.; and Poling, Ralph J., to Security Imprinter Corporation. Imprinter apparatus with changeable cassette imprint roll structure. 4,802,412, 2-7-89, Cl. 101-269.000.
- Edwards, David L.: *See—*
  - Barnes, Andrew C.; and Edwards, David L., 4,861,595, Cl. 424-195.100.
- Edwards, David W.: *See—*
  - Booth, Rodney I.; Edwards, David W.; Wrigley, Colin W.; and Orth, Robert A., 4,879,897, Cl. 73-59.000.
- Edwards, Dean B.: *See—*
  - Rippel, Wally E.; and Edwards, Dean B., 4,873,161, Cl. 429-225.000.
- Edwards, Denny C.: *See—*
  - Pihl, James M.; and Edwards, Denny C., 4,870,341, Cl. 324-57.00R.
- Edwards, Derek W.; and Townsend, David F., to Hercules Incorporated. High-solids alkyl ketene dimer dispersion. 4,861,376, 8-29-89, Cl. 106-123.100.
- Edwards, Donald W., to Du Pont de Nemours, E. I., and Company Modular, shell-less, air permeator. 4,871,379, 10-3-89, Cl. 55-158.000.
- Edwards, Douglas F.: *See—*
  - Crawford, Paul A.; and Edwards, Douglas F., 4,844,227, Cl. 192-3.540.
- Edwards, Evan A.; Greene, James T.; and Mayo, Richard, to Eastman Kodak Company. Dry sump liquid filter. 4,824,564, 4-25-89, Cl. 210-232.000.
- Edwards, Evan A.: *See—*
  - Brown, Barry M.; Edwards, Evan A.; Fearnside, William T.; and West, Henry L., 4,851,818, Cl. 340-603.000.
- Edwards, Floyd V.: *See—*
  - Boehmer, Dennis A.; and Edwards, Floyd V., 4,811,704, Cl. 123-188.00P.
  - Strowe, Robert J.; Edwards, Floyd V.; and Stern, Carl M. 4,838,857, Cl. 604-67.000.
- Edwards, Frank E.; and Wilcken, Stephen W., to Boeing Company, The. Laser alignment system. 4,889,425, 12-26-89, Cl. 356-152.000
- Edwards, Geoffrey S.; and Armistead, Trevor, to Oxley Developments Company Limited. Stress-free filter array for multi-way connectors 4,820,202, 4-11-89, Cl. 439-620.000.
- Edwards, Geoffrey S.: *See—*
  - Bushell, Timothy G.; and Edwards, Geoffrey S., 4,829,407, Cl. 362-29.000.
- Edwards, Guy. Plunger splash guard for a toilet bowl. 4,831,669, 5-23-89, Cl. 4-257.000.
- Edwards, Harper, McNew & Company: *See—*
  - Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B. 4,844,560, Cl. 305-35.00R.
  - Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B. 4,861,120, Cl. 305-35.00R.
  - Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B. 4,884,852, Cl. 305-35.0EB.
- Edwards Industries, Inc.: *See—*
  - Norkey, Phillip J., 4,819,908, Cl. 251-149.600.
- Edwards, James J.; and Singerman, Richard C., Jr. Patterned art apparatus and method. 4,836,381, 6-6-89, Cl. 206-575.000.
- Edwards, James R., to Eska Company, The. Friction steering drive system for electric fishing motors. 4,838,818, 6-13-89, Cl. 440-6.000.
- Edwards, James R. Valve actuation system for desmodromic internal combustion engines. 4,887,564, 12-19-89, Cl. 123-90.250.
- Edwards, James R.: *See—*
  - Springer, Joseph E.; and Edwards, James R., 4,805,568, Cl. 123-188.0GC.
- Edwards, Jathan D.: *See—*
  - Vogelgesang, Peter J.; Ulseth, John W.; Giorgini, Norman L.; and Edwards, Jathan D., 4,812,633, Cl. 235-487.000.
- Edwards, Jeffrey: *See—*
  - Sawyer, Roy T.; and Edwards, Jeffrey, 4,820,516, Cl. 424-94.620.
- Edwards, John C. Locker shelf and drawer assembly. 4,808,875, 2-28-89, Cl. 312-245.000.
- Edwards, John G., to Alcon Laboratories, Inc. Topical antibiotic compositions. 4,888,327, 12-19-89, Cl. 514-41.000.
- Edwards, John V.; and Freeman, Frank M., to E. R. Squibb & Sons, Inc. Ostomy system utilizing a split ring to engage a two element coupling assembly. 4,850,985, 7-25-89, Cl. 604-339.000.
- Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B., to Edwards, Harper, McNew & Company. Endless drive track joint assembly. 4,844,560, 7-4-89, Cl. 305-35.00R.
- Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B., to Edwards, Harper, McNew & Company. Modular endless track drive system and methods of making, installing and repairing same. 4,861,120, 8-29-89, Cl. 305-35.00R.
- Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B., to Edwards, Harper, McNew & Company. Double V-shaped endless track drive system. 4,884,852, 12-5-89, Cl. 305-35.0EB.
- Edwards, John W. Convertible hitch for mobile equipment. 4,887,831, 12-19-89, Cl. 280-416.300.
- Edwards, John W.: *See—*
  - Dekker, Nicolaas M. J.; Edwards, John W.; and James, Adrian W., 4,876,722, Cl. 381-71.000.
- Edwards, Joseph H. Cold weather mask. 4,825,474, 5-2-89, Cl. 2-206.000.
- Edwards, Larry M.: *See—*
  - Becker, Paul; Edwards, Larry M.; Horner, Patrick J.; Macknick, A. Brian; Moore, Stephen; and Mosso, Ronald J., 4,843,131, Cl. 526-65.000.
- Edwards, Laura B.: *See—*
  - Vitek, Robert F.; Holmes, Craig R.; and Edwards, Laura B., 4,845,634, Cl. 364-468.000.
- Edwards, Lawrence D.: *See—*
  - Edwards, Clarence K.; and Edwards, Lawrence D., 4,799,431, Cl. 105-1.500.
- Edwards, Lewis M.: *See—*
  - Kuzyk, Roman; and Edwards, Lewis M., 4,890,131, Cl. 354-299.000.
- Edwards, Linda M., to Smith & Nephew Associated Companies p.l.c. Antibacterial and/or antifungal compositions for topical application. 4,803,066, 2-7-89, Cl. 424-132.000.
- Edwards, Lloyd, to E.F.L. Electro-Flood Ltd. Method for removal of flow-restricting matter from hydrocarbon producing wells. 4,836,286, 6-6-89, Cl. 166-304.000.
- Edwards, Marysue; and Dubrinsky, Max M., to Safe/Stress, Inc. Safety harness on/off switch assembly for treadmills. 4,861,021, 8-29-89, Cl. 272-69.000.
- Edwards, Michael L.; Sunkara, Sai P.; and Stemerick, David M., to Merrell Dow Pharmaceuticals Inc. Methods of treating gout with chalcone derivatives. 4,863,968, 9-5-89, Cl. 514-646.000.
- Edwards, Nathen P., to International Business Machines Corporation. Method and structure for reducing resistance in integrated circuits. 4,885,627, 12-5-89, Cl. 357-59.000.
- Edwards, Neil: *See—*
  - McCoy, Kenneth; Edwards, Neil; Wasley, Robert; and Wales, Denis, 4,862,146, Cl. 340-605.000.
- Edwards, Ogden M., III. Potted plant support. 4,833,823, 5-30-89, Cl. 47-39.000.
- Edwards Optical Corporation: *See—*
  - Edwards, D. Brandon; Edwards, Bruce W.; Howard, Ian D.; and Ives, Donald H., 4,877,316, Cl. 350-537.000.
- Edwards, Peter R.: *See—*
  - Muller, Peter H.; Lowe, Peter E.; Edwards, Peter R.; and Harris, Samuel W., 4,861,276, Cl. 439-365.000.
- Edwards, Philip D.: *See—*
  - Fulton, Janet B.; and Edwards, Philip D., 4,879,352, Cl. 525-329.300.
- Edwards, Philip J., to General Electric Company, p.l.c., The. Security arrangement. 4,837,425, 6-6-89, Cl. 235-457.000.
- Edwards, Philip N.; Hales, Neil J.; and Young, Derek W., to Imperial Chemical Industries PLC. Antioestrogenic phenol derivatives. 4,833,135, 5-23-89, Cl. 514-212.000.
- Edwards, Richard C.; and Martin, Burton L., to Rockwell International Corporation. R-segment transmission line directional coupler. 4,859,971, 8-22-89, Cl. 333-109.000.
- Edwards, Richard E.: *See—*
  - Whitaker, Ross C.; and Edwards, Richard E., 4,824,042, Cl. 242-130.000.
- Edwards, Richard R.: *See—*
  - McConnell, Marc D.; and Edwards, Richard R., 4,811,196, Cl. 364-148.000.
- Edwards, Robert B.; Dalrymple, Bruce H.; Long, Lawrence H.; Meisner, Paul; Bacon, Forrest C.; Pribbernow, Dale E.; and Warner, William L., to Kliklok Corporation. Method and apparatus for linear combination weighing. 4,821,820, 4-18-89, Cl. 177-25.180.
- Edwards, Robert B., II: *See—*
  - Quinn, David G.; Edwards, Robert B., II; and Andersen, Erik, 4,795,430, Cl. 604-97.000.
  - Quinn, David G.; Edwards, Robert B., II; Andersen, Erik; and Thompson, Michael Q., 4,834,712, Cl. 604-175.000.
- Edwards, Robert C., to Amoco Corporation. Process for improving phosphorus-vanadium oxide and phosphorus vanadium-co-metal oxide catalysts in the oxidation of -butane to maleic anhydride. 4,810,803, 3-7-89, Cl. 549-260.000.
- Edwards, Robert C.; and Eryman, William S., to Amoco Corporation. Vanadium coated phosphorus-vandium oxide and phosphorus-vanadium oxide co-metal catalyst and process for the manufacture of maleic anhydride. 4,824,819, 4-25-89, Cl. 502-209.000.
- Edwards, Robert C.; and Eryman, William S., to Amoco Corporation. Process for the manufacture of maleic. 4,845,241, 7-4-89, Cl. 549-260.000.
- Edwards, Robert C., to Amoco Corporation. Process for regenerating and stabilizing phosphorus-vanadium-oxygen complex catalysts. 4,861,738, 8-29-89, Cl. 502-34.000.
- Edwards, Robert D.; and Smith, A. Earl. Automatic soil sampling machine. 4,869,115, 9-26-89, Cl. 73-864.310.
- Edwards, Scott; R.; Graham, Clifford A. A.; and Shepherd, Michael T., to Coopers Animal Health Australia Limited. Heavy density depot. 4,867,980, 9-19-89, Cl. 424-438.000.
- Edwards, Scott R.: *See—*
  - Shepherd, Michael T.; and Edwards, Scott R., 4,883,484, Cl. 604-891.100.
- Edwards, Stanley H., Jr.; Smith, Simon S., Jr.; and Warren, James B., to Square D Company. Pressure sensitive switch having rugged construction and accurate trip pressure settings. 4,882,459, 11-21-89, Cl. 200-83.00J.
- Edwards, Susan M.: *See—*
  - Fink, Michael P., 4,841,596, Cl. 16-114.00B.
- Edwards, Thomas L.; El-Ibiary, Yehia M.; Gunda, Rajamouli; Leemhuis, Richard S.; Phillips, Fred H.; and Rode, Melvin A., to Vickers, Incorporated. Power transmission. 4,811,561, 3-14-89, Cl. 60-368.000.
- Edwards, Tim L.; and Aamodt, James A., to Fractal, Inc. Produce hydration system. 4,808,303, 2-28-89, Cl. 210-138.000.
- Edwards, Timothy D.: *See—*
  - Burzdak, Louis; and Edwards, Timothy D., 4,850,133, Cl. 43-136.000.
- Edwards, Wallace L.; Jones, Joel F.; and Thompson, Howard G., Jr., to Hughes Tool Company. Overspeed protective gear box for a well pump. 4,797,075, 1-10-89, Cl. 418-48.000.
- Edwards, Wallace L.; and Thomson, Stewart L., to Superior Gear Box Company. Drive assembly with overspeed brake. 4,800,771, 1-31-89, Cl. 74-467.000.
- Edwards, William B.: *See—*
  - Morrish, Peter G. A.; and Edwards, William B., 4,878,276, Cl. 24-511.000.
- Edwards, William J. Spacer for disks in a disk drive. 4,819,105, 4-4-89, Cl. 360-98.080.
- Edwards, William J.: *See—*
  - Thompson, Noel E.; Johns, Richard Martin; Rozmus, Gregory; Voss, George F.; Edwards, William J.; and Thomas, Peter J., 4,881,392, Cl. 72-7.000.
- Edwards, William R., III: *See—*
  - Hickox, Robert E.; and Edwards, William R., III, 4,833,509, Cl. 357-13.000.
- Edwards, Willie. Binary strip bonding. 4,836,879, 6-6-89, Cl. 156-330.000.
- Edwardson, Svante R., to Dentatus International AB. Dental instrument. 4,834,653, 5-30-89, Cl. 4-118.000.
- Edwin Gaynor Co.: *See—*
  - Gaynor, Edwin; and Dinsdale, John C., 4,799,896, Cl. 439-232.000.
- Edye, James: *See—*
  - Todd, Vern L.; and Edye, James, 4,838,967, Cl. 156-145.000.
- Ee, Dirk V., to Del Air Systems Ltd. Inlet device. 4,794,852, 1-3-89, Cl. 98-118.000.
- EECO Incorporated. *See—*
  - Yablonski, Robert E.; and Roe, John A., 4,825,303, Cl. 358-335.000.
- Eeg, Edward G.; Grosse, Daniel J.; and Schaefer, Emer E., to S. C. Johnson & Son, Inc. Bag-in-box package. 4,815,631, 3-28-89, Cl. 220-403.000.
- Eerkes, Thijs: *See—*
  - Bell, James A. E.; Eerkes, Thijs; Diaz, Carlos M.; and Mankins, William L., 4,836,979, Cl. 419-23.000.
- EerNisse, Errol P.; and Ward, Roger W., to Halliburton Company. Transducer and sensor apparatus and method. 4,802,370, 2-7-89, Cl. 73-702.000.
- EerNisse, Errol P.; and Ward, Roger W., to Quartztronics, Inc. Crystal resonator with low acceleration sensitivity and method of manufacture thereof. 4,837,475, 6-6-89, Cl. 310-312.000.
- Efaflex Transport und Lagertechnik GmbH. *See—*
  - Rejc, Gabriel, 4,853,531, Cl. 250-221.000.
- Efamol Limited: *See—*
  - Bonnett, Raymond; and Berenbaum, Morris C., 4,837,221, Cl. 514-410.000.
  - Herbert, Rodney A.; and Keith, Stephen M., 4,851,343, Cl. 435-134.000.
  - Horrobin, David F., 4,806,569, Cl. 514-552.000.
  - Horrobin, David F., 4,810,497, Cl. 424-153.000.
  - Horrobin, David F., 4,868,212, Cl. 514-552.000.
  - Horrobin, David F., 4,886,670, Cl. 424-677.000.
  - Horrobin, David F., 4,888,326, Cl. 514-27.000.
  - Stewart, Charles; Horrobin, David F.; and Carmichael, Hugh, 4,826,877, Cl. 514-560.000.

- Efcavitch, J. William: *See—*
  - Andrus, William A.; Efcavitch, J. William; and McBride, Lincoln J., 4,816,571, Cl. 536-27.000.
- Efco Corporation: *See—*
  - Hudson, Timothy R., 4,799,330, Cl. 49-62.000.
- Effective Flow Ideas, Inc.: *See—*
  - DeGood, Randall K., 4,832,184, Cl. 198-781.000.
- Effem GmbH: *See—*
  - Lang, Rudiger; and Meyer, Bernd, 4,824,810, Cl. 501-84.000.
  - Lang, Rudiger; and Meyer, Bernd, 4,824,811, Cl. 501-84.000.
- Effenberger, Franz; Ziegler, Thomas; and Foerster, Siegfried, to Degussa Aktiengesellschaft. Process for the production of optically active cyanohydrins. 4,859,784, 8-22-89, Cl. 549-491.000.
- Effenberger, John A.; Koerber, Keith G.; Latorra, Michael N.; and Petriello, John V., to Chemical Fabrics Corporation. Method for manufacture of cast fluoropolymer-containing films at high productivity. 4,883,716, 11-28-89, Cl. 428-421.000.
- Effenberger, Ranko F. F. Apparatus for grinding and lapping sealing surfaces in slide valves and the like in situ or in the workshop. 4,800,684, 1-31-89, Cl. 51-165.760.
- Effer, Erhard: *See—*
  - Melzig, Manfred; and Effer, Erhard, 4,852,974, Cl. 350-165.000.
- Efferding, Larry E., to Westinghouse Electric Corp. Shock-absorbing and heat conductive basket for use in a fuel rod transportation cask. 4,800,283, 1-24-89, Cl. 250-507.100.
- Efferson, Kenneth R.: *See—*
  - Woods, Daniel C.; and Efferson, Kenneth R., 4,872,322, Cl. 62-51.100.
- Effing, Wolfgang, to GAO Gesellschaft fur Automation und Organisation mbH. Data carrier arrangement having an integrated circuit. 4,853,526, 8-1-89, Cl. 235-492.000.
- Effinger, Mark A., to O'Ryan Industries. Methods and apparatus for generating light patterns responsive to audio frequency input signals. 4,887,197, 12-12-89, Cl. 362-306.000.
- Effland, Richard C.; and Klein, Joseph T., to Hoechst-Roussel Pharmaceuticals Inc. Pyrazol and indazolpyridinamines. 4,806,554, 2-21-89, Cl. 514-338.000.
- Effland, Richard C.; Davis, Larry; and Kapples, Kevin J., to Hoechst-Roussel Pharmaceuticals Inc. Spiro((piperidine-pyrrolidine- or hexahydroazepinyl substituted) pyrrolo(2,1-C) (1,4)benzoxazepines). 4,812,450, 3-14-89, Cl. 514-211.000.
- Effland, Richard C.; and Klein, Joseph T., to Hoechst-Roussel Pharmaceuticals, Inc. Relief from memory dysfunction with α-alkyl-4-amino-3-quinolinemethanols and 1-(4-aralkylamino-3-quinolinyl)alkanones and related compounds. 4,840,972, 6-20-89, Cl. 514-313.000.
- Effland, Richard C.; and Kapples, Kevin J., to Hoechst-Roussel Pharmaceuticals, Inc. 5-aryl-11-substituted-5H,11H-pyrrolo[2,1-][1,4]benzoxazepines as hypotensive agents. 4,865,764, 9-12-89, Cl. 514-211.000.
- Effland, Richard C.; Klein, Joseph T.; Davis, Larry; and Olsen, Gordon E., to Hoechst-Roussel Pharmaceuticals, Inc. N-pyridinyl-9H-carbazol-9-amines. 4,868,190, 9-19-89, Cl. 514-278.000.
- Effland, Richard C.; Davis, Larry; Kapples, Kevin J.; and Olsen, Gordon E., to Hoechst-Roussel Pharmaceuticals, Inc. Pyrido(3,4-f)pyrrolo(1,2-b)(1,2,5)triazepines. 4,879,382, 11-7-89, Cl. 540-554.000.
- Effland, Richard C.; and Klein, Joseph T., to Hoechst-Roussel Pharmaceuticals, Inc. N-(pyridinyl)-1H-indol-1-amines. 4,880,822, 11-14-89, Cl. 514-339.000.
- Effland, Richard C.: *See—*
  - Hamer, R. Russell; Effland, Richard C.; and Klein, Joseph T., 4,800,203, Cl. 514-248.000.
  - Hamer, R. Russell L.; Effland, Richard C.; and Klein, Joseph T., 4,883,794, Cl. 514-248.000.
  - Shutske, Gregory M.; and Effland, Richard C., 4,843,079, Cl. 514-292.000.
- Effle, James S.: *See—*
  - Collins, Robert W.; Davidson, William S.; Dickes, Steven M.; Effle, James S.; Larson, Carle J.; Weinschenk, Russell J.; and Wottreng, Peter M., 4,847,749, Cl. 364-200.000.
- Effle, Michael D. Powder cuff. 4,856,112, 8-15-89, Cl. 2-59.000.
- Efford, Thomas W.; and Dain, Lester C., to Sprague Electric Company. Electrolytic capacitor assembly. 4,803,598, 2-7-89, Cl. 361-541.000.
- Efird, Alex M. Container transport system. 4,820,110, 4-11-89, Cl. 414-458.000.
- Efird, Alex M. Collapsible moving and storage container. 4,830,211, 5-16-89, Cl. 220-4.00F.
- EFKA-Werke Fritz Kiehn GmbH: *See—*
  - Ruppert, Heinrich W.; and Gatschmann, Klaus G., 4,887,617, Cl. 131-70.000.
- Efron, Uzi; Braatz, Paul O.; Vasudev, Prahalad K.; and Robertson, Glenn D., to Hughes Aircraft Company. Silicon-on-sapphire liquid crystal light valve and method. 4,826,300, 5-2-89, Cl. 350-342.000.
- Efron, Uzi; and Grinberg, Jan, to Hughes Aircraft Company. Near bandgap radiation modulation spatial light modulators. 4,828,368, 5-9-89, Cl. 350-355.000.
- Efron, Uzi: *See—*
  - Braatz, Paul O.; and Efron, Uzi, 4,842,376, Cl. 350-342.000.
  - Braatz, Paul O.; and Efron, Uzi, 4,881,110, Cl. 357-30.000.
  - Little, Michael J.; Efron, Uzi; Braatz, Paul O.; Schwartz, Robert N.; Owechko, Yuri; and Welkowsky, Murray S., 4,807,976, Cl. 350-355.000.
- Eftefield, Larry G.; and Phelps, Elmer B., to Caterpillar Inc. Dampener for impacting mechanism. 4,867,253, 9-19-89, Cl. 173-124.000.
- Efthimion, Philip C.; and Helfritch, Dennis J., to Research-Cottrell, Inc. Apparatus and method for enhanced chemical processing in high pressure and atmospheric plasmas produced by high frequency electromagnetic waves. 4,883,570, 11-28-89, Cl. 204-164.000.
- Efthymiou, George S.; and Shuler, Michael L., to Cornell Research Foundation, Inc. Apparatus and process to eliminate diffusional limitations in a membrane biological reactor by pressure cycling. 4,861,483, 8-29-89, Cl. 210-636.000.
- Efthyvoulos, Nicholas: *See—*
  - Prohs, John R.; Akins, Charles G.; Efthyvoulos, Nicholas; Sandlands, Phillip E.; and Scheid, Michael R., 4,837,799, Cl. 379-224.000.
- Efuesukei Kabushiki Kaisha: *See—*
  - Sakashita, Hitoshi; Mineura, Yoshihisa; and Sato, Toshihiko, 4,841,652, Cl. 40-299.000.
- EG&G Astrophysics Research Corporation: *See—*
  - Parks, Stephen I., 4,866,424, Cl. 340-551.000.
- EG&G Chandler Engineering: *See—*
  - Mayeaux, Donald P., 4,842,709, Cl. 204-402.000.
- EG&G Gamma Scientific Incorporated: *See—*
  - Austin, Richard L.; Otto, Herbert J.; and Jones, Frank L., 4,797,619, Cl. 324-409.000.
- EG&G, Inc.: *See—*
  - Colomina, Theodore S., 4,823,951, Cl. 206-328.000.
  - Goldberg, Seymour; and Lynch, Thomas J., 4,845,337, Cl. 219-210.000.
- EG&G International, Inc.: *See—*
  - Brown, Neil L., 4,866,988, Cl. 73-702.000.
- EG&G Limited: *See—*
  - Tranter, Brian R., 4,889,350, Cl. 277-88.000.
- EG&G Pressure Science, Inc.: *See—*
  - Halling, Horace P.; Barrett, Robert A.; and Woozley, Mark E., 4,813,692, Cl. 277-236.000.
  - Halling, Horace P.; Barrett, Robert A.; and Woozley, Mark E., 4,854,600, Cl. 277-236.000.
- EG&G Sealol: *See—*
  - Galard, Michel, 4,829,650, Cl. 29-407.000.
- Egami, Hidemi; Saito, Katsuo; and Satomura, Hiroshi, to Canon Kabushiki Kaisha. Lighting device. 4,798,997, 1-17-89, Cl. 315-115.000.
- Egami, Hidemi: *See—*
  - Oikawa, Katsuya; Egami, Hidemi; Saitor, Katuo; and Satomura Hiroshi, 4,797,598, Cl. 315-85.000.
- Egami, Kazuhito: *See—*
  - Shiraki, Manabu; and Egami, Kazuhito, 4,861,237, Cl. 417-353.000.
- Egami, Noritaka, to Mitsubishi Denki Kabushiki Kaisha. Data transmission apparatus with remote repeater. 4,872,183, 10-3-89, Cl. 375-3.000.
- Egami, Tsuyoshi; and Yoshimoto, Mitsufumi, to Sanyo Electric Co. Ltd. Circuit for producing clock signal for reproducing PCM signal. 4,868,689, 9-19-89, Cl. 360-32.000.
- Egami, Yoshio: *See—*
  - Yamada, Kunio; Miyazaki, Kohzoh; Oowatari, Yoshitaka; Egami, Yoshio; and Honma, Toshio, 4,808,484, Cl. 428-522.000.
- Egan, Luke S.; Winnik, Mitchell A.; and Winnik, Francoise M., to Xerox Corporation. Process for preparing colored particles and liquid developer compositions thereof. 4,880,432, 11-14-89, Cl. 8-647.000.
- Egan, Philip D., to Reinforced Earth Comany, The. Cantilever retaining wall system using discrete precast facing panels. 4,874,272, 10-17-89, Cl. 405-284.000.
- Egan, Walter D.: *See—*
  - Lynn, John D.; Jablonski, Charles E.; and Egan, Walter D., 4,840,671, Cl. 106-85.000.
- Egara, Koichi; Mochizuki, Norihiro; Nakamura, Kenji; and Yoshinaga Kazuo, to Canon Kabushiki Kaisha. Surface acoustic wave convolver with dielectric film of high non-linear effect. 4,882,715, 11-21-89, Cl. 367-140.000.
- Egashira, Akihiko; Yazaki, Takao; Kakizaki, Tetsuzi; and Mizutani Toshikazu, to Mitsubishi Petrochemical Co., Ltd. Deep drawing process of resin sheet. 4,866,117, 9-12-89, Cl. 524-406.000.
- Egashira, Noritaka: *See—*
  - Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Egashira, Noritaka; Iwata, Tamami; and Satake, Naoto, 4,837,200, Cl. 503-227.000.
- Egashira, Yoshiimi: *See—*
  - Nakasa, Kazuhiko; and Egashira, Yoshiimi, 4,829,316, Cl. 343-792.000.
- Egashira, Yoshimi, to Harada Kogyo Kabushiki Kaisha. Antenna for a portable radiotelephone. 4,860,024, 8-22-89, Cl. 343-702.000.
- Egashira, Yoshimi, to Harada Kogyo Kabushiki Kaisha. Antenna for a portable radiotelephone. 4,862,182, 8-29-89, Cl. 343-702.000.
- Egashira, Yoshimi, to Harada Kogyo Kabushiki Kaisha. Antenna for a portable radiotelephone. 4,890,114, 12-26-89, Cl. 343-702.000.
- Egashira, Yoshinori: *See—*
  - Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi Takashi, 4,887,923, Cl. 400-659.000.
- Egawa, Akira, to Fanuc Ltd. Inverter apparatus. 4,811,192, 3-7-89, Cl. 363-132.000.
- Egawa, Akira, to Fanuc Ltd. High frequency discharge excitation laser apparatus. 4,837,789, 6-6-89, Cl. 372-82.000.
- Egawa, Akira, to Fanuc Ltd. Output voltage detecting device in a laser oscillator. 4,872,178, 10-3-89, Cl. 372-82.000.
- Egawa, Akira, to Fanuc Ltd. Output voltage detecting device in a laser oscillator. 4,876,689, 10-24-89, Cl. 372-38.000.
- Egawa, Akira, to Fanuc Ltd. High frequency discharge excitation laser device. 4,885,754, 12-5-89, Cl. 372-86.000.
- Egawa, Akira, to Fanuc Ltd. High frequency power unit for generating gas lasers. 4,890,216, 12-26-89, Cl. 363-124.000.
- Egawa, Akira: *See—*
  - Karube, Norio; Egawa, Akira; Yamazaki, Etsuo; Iehisa, Nobuaki; and Manabe, Mitsuo, 4,887,272, Cl. 372-38.000.
- Egawa, Harunobu: *See—*
  - Kouyama, Toshitaka; Egawa, Harunobu; Iizuka, Yo; and Shiiki, Zenya, 4,816,335, Cl. 428-364.000.
- Egawa, Hideharu; and Suzuki, Yasoji, to Tokyo Shibaura Denki Kabushiki Kaisha. High density semiconductor circuit using CMOS transistors. 4,883,986, 11-28-89, Cl. 307-298.000.
- Egawa, Hidemitsu; Aoki, Riichirou; and Okumura, Katsuya, to Kabushiki Kaisha Toshiba. Semiconductor device having a backplate electrode. 4,875,088, 10-17-89, Cl. 357-67.000.
- Egawa, Hiromi: *See—*
  - Kunimune, Kouichi; Kutsuzawa, Yoshiya; Egawa, Hiromi; and Konotsune, Shiro, 4,818,806, Cl. 528-26.000.
- Egawa, Hiroshi: *See—*
  - Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, 4,795,751, Cl. 514-254.000.
  - Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, 4,886,810, Cl. 514-312.000.
- Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, to Kabushiki Kaisha Toshiba. Recording apparatus. 4,819,019, 4-4-89, Cl. 355-3.00R.
- Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, to Kabushiki Kaisha Toshiba. Recording apparatus. 4,876,560, 10-24-89, Cl. 346-153.100.
- Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, to Kabushiki Kaisha Toshiba. Recording apparatus. 4,885,596, 12-5-89, Cl. 346-157.000.
- Egawa, Jiro; and Ide, Naoaki, to Kabushiki Kaisha Toshiba. Image forming apparatus for controlling image forming operation in accordance with state of charger. 4,890,125, 12-26-89, Cl. 346-160.000.
- Egawa, Takatoshi: *See—*
  - Wada, Toshiya; Tanaka, Osamu; Egawa, Takatoshi; Yoshida, Makoto; Higuchi, Seizun; and Izaki, Teruaki, 4,863,531, Cl. 148-111.000.
- Egawa, Takeshi: *See—*
  - Akada, Yasuaki; Ishikawa, Norio; Egawa, Takeshi; and Taniguchi, Nobuyuki, 4,827,299, Cl. 354-402.000.
  - Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujino, Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamura, Kunio, 4,855,779, Cl. 354-412.000.
  - Matsui, Tohru; and Egawa, Takeshi, 4,803,508, Cl. 354-403.000.
  - Matsui, Tohru; and Egawa, Takeshi, 4,827,301, Cl. 354-403.000.
- Egawa, Toshihiko: *See—*
  - Tahara, Kazutoki; and Egawa, Toshihiko, 4,874,671, Cl. 428-447.000.
- Egawa, Tsuneo: *See—*
  - Kurisu, Shingo; Omori, Shunji; Takenaka, Hiroyuki; Egawa, Tsuneo; Mitsunaga, Takuro; and Kiyama, Nobuo, 4,799,836, Cl. 409-138.000.
- Egawa, Yoshitsugu: *See—*
  - Inayoshi, Kuniaki; Egawa, Yoshitsugu; Hirukawa, Yoshinori; and Yamaguchi, Masayuki, 4,869,915, Cl. 426-565.000.
- Egberg, David. Apparatus for disposing of animal excrement. 4,865,371, 9-12-89, Cl. 294-1.300.
- Egberg, David C. Offset fountain solution to replace isopropyl alcohol. 4,865,646, 9-12-89, Cl. 106-2.000.
- Egberg, David C.: *See—*
  - Seaborne, Jonathan; and Egberg, David C., 4,810,534, Cl. 427-384.000.
- Egberink, Johannes G. J.: *See—*
  - Kwee, Bobby L. S.; and Egberink, Johannes G. J., 4,818,517, Cl. 424-488.000.
- Egbers, Gerhard: *See—*
  - Artzt, Peter; Ziegler, Kurt; Dallmann, Harald; and Egbers, Gerhard, 4,825,633, Cl. 57-328.000.
  - Artzt, Peter; Dallmann, Harald; Ziegler, Kurt; and Egbers, Gerhard, 4,845,936, Cl. 57-261.000.
  - Yngve, Paul W.; Artzt, Peter; Egbers, Gerhard; Stark, Ullrich; and Muller, Heinz, 4,802,330, Cl. 57-238.000.
- Egbert, David C.: *See—*
  - Seaborne, Jonathan; and Egbert, David C., 4,874,618, Cl. 426-76.000.
- Ege, Sigmund; Aasbo, Anders T.; and Heigh, Freddy, to Standard Telefon og Kabelfabrik A/S. Oil feeding systems. 4,834,618, 5-30-89, Cl. 417-46.000.
- Ege, Sigmund, to Kloften & Klofter A/S. Method of gripping carrier strip. 4,837,917, 6-13-89, Cl. 29-559.000.
- Ege, Thorfinn, to Nycomed AS. Method of locating or imaging activated T-lymphocytes with a targeting polypeptide. 4,832,940, 5-23-89, Cl. 424-1.100.
- Egea, Guy: *See—*
  - Tournereau, Alain; Richard, Alain; Dumas, Daniel; and Egea, Guy, 4,807,956, Cl. 350-96.200.
- Egea, Noel; and Olive, Corinne, to Detexomat Machinery Limited. Hosiery manufacture and packaging. 4,827,693, 5-9-89, Cl. 53-397.000.
- Egea, Noel; and Olive, Corinne, to Societe Compagnie Generale Textile Cogetex. Apparatus for the inspection of tubular textile products. 4,874,241, 10-17-89, Cl. 356-238.000.
- Egee, Michel; Dartois, Robert; Marx, Jean; Merienne, Etienne; Regalia, Marcel; Poplimont, Philippe; and Van Schel, Etienne, to Universite de Reims Champagne-Ardenne. Method and device for analyzing and measuring physical parameters of a layered material by thermal radiometry. 4,875,175, 10-17-89, Cl. 364-551.010.
- Egeland, Terje: *See—*
  - Sundell, Hans E.; Egeland, Terje; Johnson, Sten E.; and Friman, Erik B., 4,858,118, Cl. 364-243.400.
- Egelhof, Dieter, to J. M. Voith GmbH. Headbox for paper machines or the like. 4,836,895, 6-6-89, Cl. 162-259.000.
- Egelstad, Randi K. Scented pad for hand-held hair dryers. 4,835,879, 6-6-89, Cl. 34-97.000.
- Egelstam, Hans, to Lumalampan Aktiebolag. Compact gas discharge tube and a method for its manufacture. 4,881,007, 11-14-89, Cl. 313-493.000.
- Egender, James J., to Dial-A-Down, Inc. Digital number indicator. 4,837,957, 6-13-89, Cl. 40-488.000.
- Egense, Andrea L. F.; and Kuenzly, John D., to TRW Inc. Sulfur removal by sorbent injection in secondary combustion zones. 4,873,930, 10-17-89, Cl. 110-345.000.
- Eger, David: *See—*
  - Springthorpe, Anthony J.; Margittai, Agnes; and Eger, David, 4,889,830, Cl. 437-167.000.
- Eger, Edmond I., II; and Johnson, Brynte H., to University of California, The Regents of the. Vaporizer for an anesthetic having a vapor pressure about one atmosphere. 4,881,541, 11-21-89, Cl. 128-203.250.
- Eger, Georg; and Srock, Rainer, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Adjusting device for a vehicle door. 4,797,971, 1-17-89, Cl. 16-82.000.
- Eger, Georg; and Pross, Walter, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Floor group for a vehicle, especially for a motor vehicle. 4,842,193, 6-27-89, Cl. 237-12.30A.
- Eger, Georg: *See—*
  - Kamke, Reinhard; Bartels, Hermann A.; Heseler, Horst; Srock, Rainer; and Eger, Georg, 4,843,849, Cl. 70-264.000.
- Eger, Helmut: *See—*
  - Losehand, Reinhard; and Eger, Helmut, 4,859,616, Cl. 437-39.000.
- Eger, Knut: *See—*
  - Marosi, Laszlo; Stabenow, Joachim; Eger, Knut; Irgang, Matthias; and Zirker, Guenter, 4,849,395, Cl. 502-251.000.
- Egerbacher, Werner; Vogt, Herbert; and Wunderlich, Dieter, to Siemens Aktiengesellschaft. Semiconductor module. 4,833,522, 5-23-89, Cl. 357-74.000.
- Egerer, Peter; Crueger, Wulf; and Schmidt-Kastner, Gunter, to Bayer Aktiengesellschaft. Continuous process for the enzymatic preparation of isomaltulose. 4,857,461, 8-15-89, Cl. 435-94.000.
- Egermeier, John C., to BOC Group, Inc., The. Vapor source assembly with crucible. 4,866,239, 9-12-89, Cl. 219-121.150.
- Egerton, Gary W.: *See—*
  - Martin, Gregory C.; and Egerton, Gary W., 4,876,885, Cl. 73-129.000.
- Egerton, Ian K.; and Broome, Andrew D. J., to Laporte Industries Limited. Wood preservative compositions and a process for their production. 4,804,494, 2-14-89, Cl. 252-397.000.
- Egerton, Ian K.: *See—*
  - Broome, Andrew D. J.; and Egerton, Ian K., 4,797,281, Cl. 424-133.000.
- Egerton, John R., to Merck & Co., Inc. Increased litter size in monogastric domestic animals after treatment in mid-gestation of gravid female with avermectin or milbemycin compound. 4,831,017, 5-16-89, Cl. 514-30.000.
- Egerton, Terence A.; and Fothergill, Kevin A., to Tioxide Group PLC. Finely divided oxide and its manufacture. 4,806,333, 2-21-89, Cl. 423-625.000.
- Egerton, Terence A.; Lawson, Edmund J.; and Frost, Peter W., to Tioxide Group PLC. Stabilised metallic oxides. 4,820,593, 4-11-89, Cl. 428-698.000.
- Egerton, Terence A.; Fothergill, Kevin A.; and Dransfield, Graham P., to Tioxide Group plc. Stabilized metallic oxides. 4,851,293, 7-25-89, Cl. 428-403.000.
- Eggebrecht, Eric: *See—*
  - Weckler, Joachim, 4,853,964, Cl. 381-156.000.
- Eggebrecht, Roland C.; McIlheran, Aaron A.; Lane, William H.; and Richardson, Robert A., to ASEA Electric, Inc. Integrated transformer sectionalizing switch assembly. 4,866,568, 9-12-89, Cl. 361-333.000.
- Eggelston, Ross W.: *See—*
  - Thomas, Richard A.; and Eggelston, Ross W., 4,818,103, Cl. 356-72.000.
- Eggendorfer, Gunnar: *See—*
  - Skolaude, Werner; Eggendorfer, Gunnar; and Corduan, Horst, 4,883,518, Cl. 62-38.000.
- Egger, Ernst S. Spinning ball bowling. 4,804,182, 2-14-89, Cl. 273-37.000.
- Egger, Friedrich: *See—*
  - Manser, Josef; Seiler, Werner; and Egger, Friedrich, 4,830,866, Cl. 426-451.000.
- Egger, Walter C., to VT-Verpackungstechnik Zurich. Carrier for use on a drag chain conveyor. 4,798,281, 1-17-89, Cl. 198-698.000.
- Eggerichs, Terry L. Method and apparatus for electromagnetically treating a fluid. 4,879,045, 11-7-89, Cl. 210-695.000.
- Eggers, Detlev, to Metallgesellschaft Aktiengesellschaft. Apparatus and process for treating the surfaces of tubular members with liquids. 4,830,676, 5-16-89, Cl. 134-22.180.
- Eggers, Detlev, to Metallgesellschaft Aktiengesellschaft. Apparatus for treating the inside surface of tubular members with liquid. 4,887,624, 12-19-89, Cl. 134-98.000.
- Eggers, Hans J.; and Schott, Gerhard, to Kruger GmbH & Co. KG. Glycerol containing virucidal compositions. 4,849,455, 7-18-89, Cl. 514-724.000.

Eggers, Mark L., to KW Battery Company. Multilaminate material and separator assembly for electrochemical cells. 4,855,196, 8-8-89, Cl. 429-139.000.

Eggers, Philip E.: *See—*

  Shaw, Robert F.; and Eggers, Philip E., 4,848,337, Cl. 128-303.100.

Eggersdorfer, Manfred; Henkelmann, Jochem; Heinz, Gerhard; and Koch, Juergen, to BASF Aktiengesellschaft. Aryl ether ketones. 4,835,242, 5-30-89, Cl. 528-125.000.

Eggersdorfer, Manfred: *See—*

  Brenner, Karl; Eggersdorfer, Manfred; Ruppel, Wilhelm; Schultheiss, Harald; and Scholz, Hans-Ulrich, 4,816,606, Cl. 568-402.000.

  Eckhardt, Heinz; and Eggersdorfer, Manfred, 4,820,882, Cl. 568-715.000.

  Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; and Henkelmann, Jochem, 4,837,296, Cl. 528-125.000.

  Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; Henkelmann, Jochem; Muenstedt, Helmut; and Ittemann, Peter, 4,867,912, Cl. 528-125.000.

  Henkelmann, Jochem; Eggersdorfer, Manfred; Grosch, Walter; Schuhmacher, Alfred; and Siegel, Hardo, 4,853,481, Cl. 562-460.000.

Eggerstedt, Karl H., to Fredrik Mogensen AB. Screening apparatus with integrated distributing and segregating device. 4,818,379, 4-4-89, Cl. 209-254.000.

Eggerstedt, Paul: *See—*

  Zievers, James F.; and Eggerstedt, Paul, 4,865,629, Cl. 55-97.000.

Eggert, Thomas F., to Whirlpool Corporation. Lock for lid of vacuum cleaner canister. 4,827,560, 5-9-89, Cl. 15-327.00R.

Eggertsen, Gosta, to Pharmacia AB. Procedure to be performed in conjunction with protein blotting or nucleic acid blotting. 4,826,771, 5-2-89, Cl. 436-45.000.

Eggiman, J. Michael; and Dunlop, Vance A., to Eggiman, J. Michael. Apparatus for flashing vehicle lights to warn of engine stall. 4,878,042, 10-31-89, Cl. 340-439.000.

Eggler, James F.; Johnson, Michael R.; and Sherman, Lawrence, to Pfizer Inc. Benzopyrans. 4,841,078, 6-20-89, Cl. 549-402.000.

Eggler, James F.; Johnson, Michael R.; and Melvin, Lawrence S., Jr., to Pfizer Inc. Bicyclic benzo fused pyran compounds used for producing analgesia. 4,863,934, 9-5-89, Cl. 514-320.000.

Eggler, James F.; Johnson, Michael R.; and Melvin, Lawrence S., Jr., to Pfizer Inc. Bicyclic benzo fused pyran compounds used for nausea treatment and prevention. 4,870,084, 9-26-89, Cl. 514-320.000.

Eggleston, Richard A.: *See—*

  Heywood, Peter J.; and Eggleston, Richard A., 4,884,044, Cl. 330-4.300.

Egi, Hiroshi; and Komori, Toshiyuki, to Kabushiki Kaisha Toshiba. Flame monitoring apparatus. 4,835,525, 5-30-89, Cl. 340-578.000.

Egi, Makoto: *See—*

  Inoue, Seijiro; Ohta, Shigenori; and Egi, Makoto, 4,847,108, Cl. 426-653.000.

Egi, Masao: *See—*

  Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, 4,801,247, Cl. 417-213.000.

Egidi, Corrado; and Mongiano, Riccardo, to Fiat Auto S.p.A. Control device for a motor vehicle gearbox. 4,799,397, 1-24-89, Cl. 74-473.00R.

Egiev, Valery N.: *See—*

  Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kuzovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I., 4,847,065, Cl. 424-5.000.

Egilmez, Nazli, to British-American Tobacco Company, Ltd. Aerosol device simulating a smoking article. 4,830,027, 5-16-89, Cl. 131-273.000.

EGIS Gyogyszergyar: *See—*

  Barta, Iren; Fekete, Pal; Pallos, Laszlo; Kovacs, Gabor; and Mahr, Lajos, 4,814,174, Cl. 424-448.000.

  Batori, Sandor; Hajos, Gyorgy; Messmer, Andras; Benko, Pal; Pallos, Laszlo; Petocz, Lujza; Grasser, Katalin; Kosoczky, Ibolya; and Szirt nee Kiszelly, Eniko , 4,871,846, Cl. 544-183.000.

  Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,948, Cl. 514-221.000.

  Magyar, Karoly; Varga, Janos; Simon, Ferenc; Szauder nee Lauko, Hedvig; Fekete, Pal; Romvary, Attila; Egri, Janos; and Zukovics nee Someg, Katalin, 4,871,722, Cl. 514-157.000.

  Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.

  Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Szirt nee Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,798, Cl. 514-256.000.

  Ratz nee Simonek, Ildiko ; Benko, Pal; Bernenyi nee Poldermann, Edit; and Magyar, Karoly, 4,824,670, Cl. 424-141.000.

  Ratz nee Simonek, Ildiko; Benko, Pal; Berenyi nee Foldermann, Edit; and Magyar, Karoly, 4,883,907, Cl. 560-24.000.

  Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-187.000.

Egitto, Frank D.: *See—*

  Apschel, Morris; Egitto, Frank D.; Horwath, Ronald S.; and Koren, Gad, 4,869,777, Cl. 156-626.000.

Egle, Wilhelm; Ottensmeyer, F. Peter; and Rilk, Albrecht, to Carl-Zeiss Stiftung. Imaging method and apparatus for electron microscopes. 4,812,652, 3-14-89, Cl. 250-311.000.

Egler, Walter, to Robert Bosch GmbH. Apparatus for generating pre-injections in unit fuel injectors. 4,811,899, 3-14-89, Cl. 239-5.000.

Egli, Werner H.; and Weber, Mark W., to Honeywell Inc. Path length control mechanization for a ring laser angular rate sensor. 4,795,259, 1-3-89, Cl. 356-350.000.

Egli, Werner H., to Honeywell Inc. Hydrostatic support device and method. 4,822,181, 4-18-89, Cl. 384-12.000.

Egli, Werner H.; and Severson, Asbjorn M., to Honeywell Inc. Single-axis centrifugal rate sensor. 4,848,158, 7-18-89, Cl. 73-518.000.

Egli, Werner H. Navigation by a video-camera sensed ground array. 4,866,626, 9-12-89, Cl. 364-449.000.

Egloff, Anton; Kohler, Lothar; and Bianchi, Franco, to Sulzer Brothers Limited. Giver for a gripper loom. 4,807,670, 2-28-89, Cl. 139-448.000.

Egloff, Peter: *See—*

  Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, 4,819,421, Cl. 57-264.000.

  Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, 4,821,503, Cl. 57-264.000.

Eglseder, Anton: *See—*

  Sittenthaler, Wilhelm; Marquardt, Klaus; Deubzer, Bernward; and Eglseder, Anton, 4,833,187, Cl. 524-188.000.

Egly, Robert A.; and Sullivan, Patrick. Articulated magnetic disk storage case. 4,801,004, 1-31-89, Cl. 206-45.130.

EGN Services, Inc.: *See—*

  Akin, Joseph A., Jr.; and Baker, Thomas J., 4,828,171, Cl. 237-19.000.

Egner, Harald: *See—*

  Schanz, Rainer; Baumbusch, Paul; and Egner, Harald, 4,815,580, Cl. 198-347.000.

Egner, Ronald J., to Ryder International Corp. Thread forming nut with locking portion. 4,842,437, 6-27-89, Cl. 403-24.000.

Egner-Walter, Bruno; Schmid, Eckhardt; and Scholl, Wolfgang, to ITT SWF Auto-Electric GmbH. Device, especially reciprocating stroke wiper system for motor vehicles. 4,879,783, 11-14-89, Cl. 15-250.210.

EgoKiefer AG: *See—*

  Liebl, Rudolf, 4,806,405, Cl. 428-52.000.

  Liebl, Rudolf; and Bosshard, Ernst, 4,830,809, Cl. 264-257.000.

  Liebl, Rudolf; and Bosshard, Ernst, 4,842,571, Cl. 474-204.000.

Egorov, Jury G.: *See—*

  Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P.; Kovarsky, Alexandr V.; and Egorov, Jury G., 4,805,424, Cl. 66-194.000.

Egorova, Eleonora V.: *See—*

  Fedorov, Svyatoslav N.; Egorova, Eleonora V.; Strusova, Natalya A.; Glazko, Viktor I.; and Trubilin, Vladimir N., 4,838,890, Cl. 623-6.000.

Egoshi, Yoshiaki; and Sasaki, Hideto, to Ryobi Ltd. Collapsible core and method for producing the collapsible core feasible for high speed high pressure casting. 4,834,165, 5-30-89, Cl. 164-14.000.

Egosi, Isaac, to AMI International. Method and apparatus for applying advertisements to eggs. 4,843,958, 7-4-89, Cl. 101-2.000.

Egozi, Avihai; and Stokar, Saul, to Elscint Ltd. Magnetic resonance imaging. 4,888,552, 12-19-89, Cl. 324-309.000.

Egretier, Jean-Michel. Rotary, self-emptying, cylindrical van. 4,828,397, 5-9-89, Cl. 366-184.000.

Egri II, John D. Process for abatement of asbestos fibers. 4,857,085, 8-15-89, Cl. 55-83.000.

Egri, Janos: *See—*

  Magyar, Karoly; Varga, Janos; Simon, Ferenc; Szauder nee Lauko, Hedvig; Fekete, Pal; Romvary, Attila; Egri, Janos; and Zukovics nee Someg, Katalin, 4,871,722, Cl. 514-157.000.

  Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,868,172, Cl. 514-187.000.

  Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-187.000.

Eguchi, Hiromi: *See—*

  Kitano, Masaharu; and Eguchi, Hiromi, 4,817,427, Cl. 73-204.160.

  Yamada, Jun; and Eguchi, Hiromi, 4,882,248, Cl. 430-49.000.

Eguchi, Hirotoshi: *See—*

  Takahashi, Junichi; Kosaka, Daisuke; Eguchi, Hirotoshi; Matsumoto, Shoji; Akahori, Takashi; Yamazaki, Hiroshi; and Izumi, Kouji, 4,884,051, Cl. 338-4.000.

Eguchi, Hirotugu, to Nippon Electric Co., Ltd. Substrate bias through polysilicon line. 4,799,101, 1-17-89, Cl. 357-59.000.

Eguchi, Hiroyoshi; Yamada, Norio; Kusuyama, Itaru; and Saito, Chikara, to Hitachi, Ltd. Method and apparatus for controlling job transfer between computer systems. 4,839,798, 6-13-89, Cl. 364-200.000.

Eguchi, Hitoshi; Akiyama, Tsutomu; Kobayashi, Toshiyuki; Okada, Michio; Takahashi, Minoru; and Osawa, Yukio, to Mitsuba Electric Manufacturing Co., Ltd. Plastic molding on penetration metal, particularly on motor end plate. 4,847,528, 7-11-89, Cl. 310-239.000.

Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobayashi, Koji; Fujino, Ikuo; Hagiwara, Hiroshi; and Ogino, Seiichi, to Mitsuba Electric Mfg. Co., Ltd. Starter for internal combustion engine. 4,855,609, 8-8-89, Cl. 290-48.000.

Eguchi, Jun: *See—*

  Ooki, Takao; and Eguchi, Jun, 4,802,918, Cl. 75-10.610.

Eguchi, Kanemitsu; and Kanie, Teruyuki, to Zaidanhouzin Nagoyashi Kogyogijutsu Shinkokyokai c/o Nagoyashi Kogyo Kenkyujo. Method of recovering both silver and a base for sensitive materials from sensitive materials by utilizing micro-organisms. 4,868,120, 9-19-89, Cl. 435-262.000.

Eguchi, Katsuhiko: *See—*

  Hattori, Kenji; and Eguchi, Katsuhiko, 4,869,649, Cl. 417-238.000.

Eguchi, Kazumasa: *See—*

  Nakagawa, Katsuya; Eguchi, Kazumasa; Nakatani, Fumio; Wakita, Shinichi; Murakami, Hisatoshi; and Terada, Tsunehiko, 4,801,489, Cl. 428-209.000.

Eguchi, Kazutoshi, to Kabushiki Kaisha Toshiba. Data processing unit with a TLB purge function. 4,849,881, 7-18-89, Cl. 364-200.000.

Eguchi, Ken: *See—*

  Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, 4,813,763, Cl. 350-169.000.

  Saito, Kenji; Nishimura, Yukuo; Tomida, Yoshinori; Kawada, Haruki; Eguchi, Ken; and Nakagiri, Takashi, 4,830,502, Cl. 356-432.000.

  Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.

  Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.

  Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.

Eguchi, Kiyohisa; Kitamura, Norio; Okamura, Terumasa; and Ohta, Iouji, to Director-General of Agency of Industrial Science & Technology; Taihei Chemical Industrial Co., Ltd.; Hanano Commercial Co., Ltd.; and Kabushiki Kaisha Gosei Kagaku Kenkyusho. Lubricant compositions for metalworking. 4,834,891, 5-30-89, Cl. 252-28.000.

Eguchi, Koji, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device and method of manufacturing the same. 4,849,854, 7-18-89, Cl. 361-313.000.

Eguchi, Koji, to Matsubishi Denki Kabushiki Kaisha. Method of making a trench capacitor for dram. 4,859,622, 8-22-89, Cl. 437-47.000.

Eguchi, Masaharu; Fujiwara, Yutaka; Yamanouchi, Haruhiko; and Terashima, Jun, to Canon Kabushiki Kaisha. Device for installing printed circuit board. 4,804,331, 2-14-89, Cl. 439-162.000.

Eguchi, Masaharu: *See—*

  Ohnuki, Ichiro; Ikemori, Keiji; and Eguchi, Masaharu, 4,804,986, Cl. 354-212.000.

Eguchi, Mikiro, to NEC Corporation. Analog data signal switching network with means for cross-connecting analog signals to output lines by double-stage sampling. 4,847,828, 7-11-89, Cl. 370-58.000.

Eguchi, Naoya; and Nishida, Norio, to Sony Corporation. Tracking servo system for optical disk player apparatus. 4,843,601, 6-27-89, Cl. 369-44.000.

Eguchi, Naoya, to Sony Corporation. Linear motor. 4,864,170, 9-5-89, Cl. 310-12.000.

Eguchi, Norio: *See—*

  Bessho, Naokata; and Eguchi, Norio, 4,826,169, Cl. 273-143.00R.

Eguchi, Shoji: *See—*

  Shiba, Hiroshi; and Eguchi, Shoji, 4,839,862, Cl. 365-154.000.

Eguchi, Shuji: *See—*

  Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.

  Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.

Eguchi, Shusaku: *See—*

  Kotera, Noboru; Eguchi, Shusaku; and Miura, Norio, 4,889,996, Cl. 250-484.100.

Eguchi, Takeshi: *See—*

  Watanabe, Junji; and Eguchi, Takeshi, 4,806,968, Cl. 355-3.00R.

  Watanabe, Junji; Nonami, Hidetaka; and Eguchi, Takeshi, 4,870,456, Cl. 355-245.000.

Eguchi, Tatsuya, to Minolta Camera Kabushiki Kaisha. Laser emitting apparatus with temperature intensity control. 4,862,466, 8-29-89, Cl. 372-9.000.

Eguchi, Tatsuya, to Minolta Camera Kabushiki Kaisha. Recording apparatus with position dependent pulse modulation. 4,885,594, 12-5-89, Cl. 346-108.000.

Eguchi, Toyokazu, to Kabushiki Kaisha Toshiba. Multi-band FM receiver for receiving FM broadcasting signals and TV broadcasting sound signals. 4,881,272, 11-14-89, Cl. 455-143.000.

Eguchi, Yasuteru: *See—*

  Kamiya, Tetsuro; Inoue, Takeshi; Yorozu, Hidenori; Eguchi, Yasuteru; and Tsujii, Kaoru, 4,859,696, Cl. 514-420.000.

  Tsujita, Satoshi; Maeda, Koji; and Eguchi, Yasuteru, 4,871,396, Cl. 106-286.800.

Eguchi, Yoshio: *See—*

  Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo; and Takarada, Mitsuhiro, 4,888,406, Cl. 528-32.000.

Eguchi, Yoshitugu; Miyashita, Masaru; Arai, Hitoshi; and Ogushi, Yoshimi, to Shin-Etsu Chemical Co., Ltd. Copper-foiled laminated sheet for flexible printed circuit board. 4,806,432, 2-21-89, Cl. 428-457.000.

Egusa, Sumio: *See—*

  Iio, Tukasa; and Egusa, Sumio, 4,825,336, Cl. 361-355.000.

Egusa, Takahiro: *See—*

  Okochi, Kastuhiko; Toya, Mitsuo; Naito, Masahito; Inoue, Yoshiaki; and Egusa, Takahiro, 4,812,997, Cl. 364-505.000.

Eguti, Hirotoshi: *See—*

  Izumi, Kouji; Eguti, Hirotoshi; Ohta, Eiichi; Kimura, Yuhji; and Ebi, Yutaka, 4,836,034, Cl. 73-862.040.

Egy, Michael J. Emergency traction device for vehicles. 4,826,077, 5-2-89, Cl. 238-14.000.

Egyesult Izzolampa es Villamossagi RT: *See—*

  Nagy, Gabor; and Neumann, Gyorgy, 4,889,216, Cl. 192-48.400.

Ehara, Katsuo. Odor identifying apparatus and method. 4,884,435, 12-5-89, Cl. 72-23.000.

Ehara, Kenichi: *See—*

  Mori, Yoshiharu; Yamada, Suzuya; Saito, Mitsuaki; Hagiwara, Hirotoshi; and Ehara, Kenichi, 4,878,866, Cl. 445-36.000.

Ehara, Shaw: *See—*

  Hayakawa, Takashi; Nojima, Hideo; Kojima, Yoshimi; Narikawa, Shiro; Matsuyama, Toshiro; Imada, Eiji; and Ehara, Shaw, 4,853,309, Cl. 430-65.000.

  Matsuyama, Toshiro; Kojima, Yoshimi; and Ehara, Shaw, 4,851,256, Cl. 427-39.000.

Ehara, Toshiyuki; Ueda, Shigenori; and Yamazaki, Koji, to Canon Kabushiki Kaisha. Electrophotographic apparatus. 4,851,865, 7-25-89, Cl. 346-160.100.

Eheim, Franz, deceased (by Eheim, Helga, heiress); and Hofer, Gerald, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,854,289, 8-8-89, Cl. 123-503.000.

Eheim, Franz, deceased (by Eheim, Helga, heiress); and Straubel, Max, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,870,936, 10-3-89, Cl. 123-449.000.

Eheim, Franz, deceased (by Eheim, Helga, heiress). Speed governor for fuel injection pumps. 4,887,571, 12-19-89, Cl. 123-367.000.

Eheim, Helga, heiress: *See—*

  Eheim, Franz, deceased; and Hofer, Gerald, 4,854,289, Cl. 123-503.000.

  Eheim, Franz, deceased; and Straubel, Max, 4,870,936, Cl. 123-449.000.

  Eheim, Franz, deceased, 4,887,571, Cl. 123-367.000.

Ehemann, Leo: *See—*

  Schuster, Ludwig; Hettche, Albert; Liedy, Werner; Weiss, Stefan; and Ehemann, Leo, 4,889,897, Cl. 525-388.000.

EHL Development Inc.: *See—*

  Levy, Edward H., 4,864,677, Cl. 15-210.00R.

Ehlbeck, Hans E.; Corin, Claes O.; and Kamareddine, Imad, to Flow Systems, Inc. Energy-dissipating receptacle for high velocity fluid jets. 4,864,780, 9-12-89, Cl. 51-410.000.

Ehler, Helmut, to Licentia Patent-Verwaltungs-GmbH. Method and arrangement for reflow soldering and reflow unsoldering of circuit boards. 4,832,249, 5-23-89, Cl. 228-102.000.

Ehlers, Bernd; and Renelt, Gerhard, to U.S. Philips Corporation. Method of and circuit arrangement for changing the resolution of binary pseudo-halftone pictures. 4,827,353, 5-2-89, Cl. 358-283.000.

Ehlers, David C.: *See—*

  Peterson, John A.; and Ehlers, David C., 4,867,958, Cl. 423-305.000.

Ehlers, Gerald L.: *See—*

  Phillipeaux, Eddy J.; and Ehlers, Gerald L., 4,816,850, Cl. 354-127.100.

Ehlers, Manfred: *See—*

  Ehnert, Gerd; Ehlers, Manfred; Sauer, Gerhard; and Vogel, Klaus, 4,886,701, Cl. 428-282.000.

Ehlert, George E. Economical house air cooling arrangement. 4,874,038, 10-17-89, Cl. 165-48.100.

Ehlert, Mark C.; and Mueller, James W., to Halliburton Company. Fluid testing apparatus and method. 4,879,811, 5-16-89, Cl. 73-59.000.

Ehlig-Economides, Christine, to Schlumberger Technology Corporation. Process for measuring flow and determining the parameters of multilayer hydrocarbon producing formations. 4,803,873, 2-14-89, Cl. 73-155.000.

Ehlis, Uwe, to doro tape Ehlis KG. Device for unwinding transfer tape from a roll. 4,826,562, 5-2-89, Cl. 156-523.000.

Ehlmann, Arlie: *See—*

  Gaia, Aldino J.; Suher, Frank; Douglass, Robert; Ehlmann, Arlie; and Urani, Angelo, 4,831,353, Cl. 337-255.000.

Ehm, Thomas; and Seidel, Peter, to Siemens Aktiengesellschaft. Hinge for fastening swivelably arranged electrotechnical appliances. 4,805,265, 2-21-89, Cl. 16-340.000.

Ehmer, Norbert: *See—*

  Fennel, Helmut; and Ehmer, Norbert, 4,844,556, Cl. 303-100.000.

Ehmig, Gerhard: *See—*

  Philipp, Leo; Thuer, Ernst; and Ehmig, Gerhard, 4,883,211, Cl. 227-9.000.

Ehnert, Gerd; Ehlers, Manfred; Sauer, Gerhard; and Vogel, Klaus, to Menzolit GmbH. Process for producing a tangled fibre material from glass fibres and polymer for the production of glass fibre-reinforced plastic mouldings and apparatus for performing the process. 4,886,701, 12-12-89, Cl. 428-282.000.

Ehnert, Richard E. Vacuum cleaner having circuitous flow. 4,884,315, 12-5-89, Cl. 15-346.000.

Ehni, George J., to Texas Instruments Incorporated. Integrated circuit to reduce switching noise. 4,808,861, 2-28-89, Cl. 307-579.000.

Ehob, Inc.: *See—*

Spahn, James G.; Langley, Steven P.; and Jacobs, Michael L., 4,887,715, Cl. 206-370.000.

Ehr, Robert J.: *See—*

Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.

Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,886,883, Cl. 544-263.000.

Ehrat, Markus: *See—*

Giese, Roger W.; Warden, Beverly; Kariman, Allam; Ehrat, Markus; Cecchini, Douglas J.; and Sentissi, Abdellah, 4,801,726, Cl. 556-419.000.

Ehrenfeldner, Richard; and Wagner, Dieter, to Voest-Alpine Aktiengesellschaft. Apparatus for plasma etching circuit boards or the like. 4,880,489, 11-14-89, Cl. 156-345.000.

Ehrenfellner, Hubert: *See—*

Knudson, Robert M.; and Ehrenfellner, Hubert, 4,879,160, Cl. 428-192.000.

Ehrenfield, Ted. R. Cardiovascular exercise ladder. 4,848,737, 7-18-89, Cl. 272-70.000.

Ehrenfreund, Josef, to Ciba-Geigy Corporation. 2,2-Difluoro-4-amino-1,3-benzodioxole. 4,859,783, 8-22-89, Cl. 549-439.000.

Ehrenfreund, Josef; Boger, Manfred; Kristiansen, Odd; Drabek, Jozef; and Kristinsson, Haukur, to Ciba-Geigy Corporation. Substituted thioureas, isothioureas and carbodiimides. 4,888,348, 12-19-89, Cl. 514-367.000.

Ehrenfreund, Josef: *See—*

Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, 4,812,464, Cl. 514-333.000.

Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, 4,870,184, Cl. 546-264.000.

Ehrenfried, Albert D.; and Dabrowski, Michael D., to Metritape, Inc. Resistive material level sensor. 4,816,799, 3-28-89, Cl. 338-13.000.

Ehrenhalt, Dan and Giles, George R., to LTV Aerospace & Defense Co. Method for packaging a microwave tube modulator. 4,841,258, 6-20-89, Cl. 332-9.00R.

Ehrenhalt, Dan; and Giles, George R., to LTV Aerospace & Defense Co. Microwave tube modulator. 4,847,517, 7-11-89, Cl. 307-270.000.

Ehrenhalt, Dan; and Giles, George R., to LTV Aerospace & Defense Company. Transformer with a two-piece primary winding and housing. 4,868,532, 9-19-89, Cl. 336-82.000.

Ehrenhalt, Dan; and Giles, George R., to LTV Aerospace & Defense Company. Transformer with a one-piece primary winding and housing. 4,868,533, 9-19-89, Cl. 336-82.000.

Ehrentraut, Heinz: *See—*

Bassler, Helmut; Gmelin, Karl; and Ehrentraut, Heinz, 4,844,036, Cl. 123-470.000.

Ehresmann, Walter: *See—*

Hermann, Bernhard; Muerdter, Herbert; Ehresmann, Walter; and Kammerer, Manfred, 4,841,280, Cl. 340-706.000.

Ehret, Bernhard: *See—*

Mehrgardt, Soenke; and Ehret, Bernhard, 4,841,463, Cl. 364-724.160.

Ehret, Reiner: *See—*

Friemel, Wolfgang; Barth, Volker; Munzel, Martin; and Ehret, Reiner, 4,812,291, Cl. 422-28.000.

Ehret, Werner: *See—*

Kleemann, Stephan; and Ehret, Werner, 4,828,766, Cl. 260-502.40P.

Ehrfeld, Wolfgang; and Munchmeyer, Dietrich, to Kernforschungszentrum Karlsruhe GmbH. Cross flow microfilter. 4,797,211, 1-10-89, Cl. 210-321.840.

Ehrfeld, Wolfgang; Hagmann, Peter; Mohr, Jurgen; and Munchmeyer, Dietrich, to Kernforschungszentrum Karlsruhe GmbH. Microporous membrane filter and method of producing same. 4,872,888, 10-10-89, Cl. 55-16.000.

Ehrgott, Frederick J., Jr.: *See—*

Glamkowski, Edward J.; Chiang, Yulin; and Ehrgott, Frederick J., Jr., 4,840,947, Cl. 514-219.000.

Ehrhardt, Gary J., to University of Missouri, The Curators of the. Rhenium generator system and its preparation and use. 4,859,431, 8-22-89, Cl. 423-2.000.

Ehrhardt, Gary J.: *See—*

Day, Delbert E.; and Ehrhardt, Gary J., 4,889,707, Cl. 424-1.100.

Ehrhardt, Gerd, to Balz, Helmut. Jet pump, in particular for hot-water heating systems with return-flow mixing. 4,846,617, 7-11-89, Cl. 417-187.000.

Ehrhardt, Heinz; Blume, Ernst; Raether, Wolfgang; and Dittmar, Walter, to Hoechst Aktiengesellschaft. Antimycotic 1,1-disubstituted cyclopropane derivatives. 4,829,075, 5-9-89, Cl. 514-340.000.

Ehrhardt, Heinz; Mildenberger, Hilmar; Maier, Thomas; Schaller, Rainer; Sachse, Burkhard; and Braun, Peter, to Hoechst Aktiengesellschaft. Carbamoylimidazole derivatives and their use as fungicides. 4,889,864, 12-26-89, Cl. 514-326.000.

Ehrhardt, Heinz: *See—*

Blume, Ernst; Schaper, Wolfgang; Ehrhardt, Heinz; Raether, Wolfgang; Dittmar, Walter; Hanel, Heinz; and Sachse, Burkhard, 4,870,088, Cl. 514-340.000.

Ehrhardt, Mark E.: *See—*

Galloway, Jimmie G.; Kelley, Lonny R.; Ehrhardt, Mark E.; and Fowler, Tracy A., 4,846,780, Cl. 494-3.000.

Ehrich, Gerd, to Mannesmann AG. Hydraulic control for earth working machines. 4,833,798, 5-30-89, Cl. 37-103.000.

Ehrich, Robert: *See—*

de Haas, Peter; Ehrich, Robert; and Joergensen, Reidar, 4,801,24 Cl. 417-53.000.

Ehrich, William G.: *See—*

Teske, Judy L.; Borchers, Brian D.; Daane, Don A.; Baxter, Daniel J.; and Ehrich, William G., 4,860,288, Cl. 371-1.000.

Ehrig, Raymond J.; and Weil, Richard C., to Aristech Chemical Corporation. Gasoline tank of tin-free (electroplate chrome-chrome oxide coated) steel coated with a maleic anhydride modified polypropylene. 4,824,736, 4-25-89, Cl. 428-623.000.

Ehrke, M. Jane: *See—*

Mayhew, Eric; Ehrke, M. Jane; Mace, Kenneth; Szoka, Franci and Olson, Fred C., 4,873,088, Cl. 424-450.000.

Ehrler, Ernst; Eichlseder, Martin; and Theiss, Edmund, to Krauss-Maffei A.G. Process for the punching and removing of the sprue in an injection molding tool. 4,820,467, 4-11-89, Cl. 264-161.000.

Ehrlich, Benjamin S.: *See—*

Bonk, Henry W.; Chen, Augustin T.; and Ehrlich, Benjamin S. 4,822,827, Cl. 521-170.000.

Ehrlich, Daniel J.; and Rothschild, Mordecai, to Massachusetts Institute of Technology. Laser photochemical etching using surface halogenation. 4,834,834, 5-30-89, Cl. 156-635.000.

Ehrlich, Daniel J.; and Rothschild, Mordecai, to Massachusetts Institute of Technology. Method and apparatus for photodeposition of films on surfaces. 4,868,005, 9-19-89, Cl. 427-53.100.

Ehrlich, Daniel J.: *See—*

Rothschild, Mordechai; Black, Jerry G.; and Ehrlich, Daniel J. 4,888,203, Cl. 427-53.400.

Ehrlich, Karl F. Aeroponic apparatus. 4,869,019, 9-26-89, Cl. 47-62.000.

Ehrlich, Paul H.: *See—*

Canfield, Robert E.; Armstrong, Elmo G.; Ehrlich, Paul H.; and Birken, Steven, 4,851,356, Cl. 436-510.000.

Ehrlich, Robert: *See—*

Buchan, Stuart H.; Ehrlich, Robert; Trygstad, Joyce C.; and Wardlaw, Norman C., 4,882,763, Cl. 382-1.000.

Ehrlich, Rodney P., to Wabash National Corporation. Plate-type trailer construction. 4,810,027, 3-7-89, Cl. 296-181.000.

Ehrlich, Rodney P., to Wabash National Corporation. Trailer for selectively transporting vehicles and general freight. 4,881,85 11-21-89, Cl. 410-29.100.

Ehrlinger, Friedrich, to Zahnradfabrik Friedrichshafen AG. Motor vehicle antirunaway system. 4,884,669, 12-5-89, Cl. 192-4.00B.

Ehrman, Albert M.; Seiden, Paul; Weitzel, Rose M.; and White, Robert L., to Procter & Gamble Company, The. Process for tempering flavored confectionery compositions containing reduced calorie fats and resulting tempered products. 4,888,196, 12-19-89, Cl. 426-601.000.

Ehrman, Ernest W. Articles of foldable furniture. 4,841,882, 6-27-89, Cl. 108-115.000.

Ehrman, James P.: *See—*

Ferguson, Kenneth H.; Gatlin, Bobby J.; Real, Philip; Conroy, Joseph L.; and Ehrman, James P., 4,816,833, Cl. 342-95.000.

Ehrmann, Peter; Spies, Karl-Heinz; and Vogt, Rolf, to Carl Freudenberg, Firma. Sealing ring having a sealing surfacer with a recessional annular projection. 4,886,281, 12-12-89, Cl. 277-47.000.

Ehrola, Juha: *See—*

Alajoutsijarvi, Juhani; Ehrola, Juha; Ilmarinen, Antti; and Verkasalo, Matti, 4,825,520, Cl. 29-116.100.

Ehrreich, John E., to Ercon, Inc. Conductive compositions. 4,836,95 6-6-89, Cl. 252-512.000.

Ehrsam, Christian; and Ruegg, Thomas, to Sulzer Brothers Limited. Microfilter foil and method of producing same. 4,801,379, 1-31-89, Cl. 210-498.000.

Ehrsam, Christian, to Sulzer Brothers Limited. Metal microfilter. 4,812,236, 3-14-89, Cl. 210-490.000.

EI Company, Ltd.: *See—*

Fawcett, Keith, 4,881,063, Cl. 340-693.000.

Eian, Gilbert L.; and Cheney, Paul G., to Minnesota Mining and Manufacturing Company. Durable melt-blown particle-loaded sheet material. 4,868,032, 9-19-89, Cl. 428-198.000.

Eiberger, Berthold: *See—*

Schulz, Axel; Hescher, Manfred; and Eiberger, Berthold, 4,823,211, Cl. 360-64.000.

Eibl, Hansjorg, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. D-mannite derivatives as starting products for the synthesis of phospholipids. 4,804,789, 2-14-89, Cl. 568-853.000.

Eibl, Hansjorg, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Compositions containing hexadecylophosphocholine and alkylglycerols and uses thereof. 4,837,023, 6-6-89, Cl. 424-439.000.

Eibl, Hansjorg, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Phospholipid-like compounds. 4,837,340, 6-6-89, Cl. 549-221.000.

Eibl, Johann; and Linnau, Yendra, to Immuno Aktiengesellschaft fur Chemisch-Medizinische Produkte. Method of inactivating reproductive filterable pathogens. 4,814,277, 3-21-89, Cl. 435-269.000.

Eibl, Johann; Linnau, Yendra; and Schwarz, Otto, to Immuno Aktiengesellschaft fur Chemisch-Medizinische Produkte. Method of determining incompatibility-reaction-causing substances in blood products as well as a method of inactivating said incompatibility-reaction-causing substances. 4,886,758, 12-12-89, Cl. 435-269.000.

Eibner, Robert; Jaschkowitz, Michael; Kloth, Bernhard; Kohl, Wilhelm; and Merks, Siegfried, to Schering Aktiengesellschaft. Lid for a liquid container. 4,863,051, 9-5-89, Cl. 215-261.000.

EIC Laboratories, Inc.: *See—*

Holleck, Gerhard L.; and Nguyen, Trung, 4,816,358, Cl. 429-194.000.

Rauh, R. David; and Goldner, Ronald B., 4,889,414, Cl. 350-357.000.

EIC Labotatories, Inc.: *See—*

Abraham, Kuzhikalail M.; and Pasquariello, David M., 4,857,423, Cl. 429-194.000.

EICA-Equipements et Composants pour l'Industrie Automobile: *See—*

Escaravage, Girard, 4,840,405, Cl. 280-808.000.

Eich, Armin: *See—*

Loy, Helmut M.; Eich, Armin; and Kohler, Sigurd, 4,814,663, Cl. 313-39.000.

Eich, Manfred; Wendorff, Joachim; and Reck, Bernd, to Rohm GmbH Chemische Fabrik. Process for the reversible optical storage of data. 4,837,745, 6-6-89, Cl. 365-108.000.

Eich, Manfred; and Wendorff, Joachim, to Rohm GMBH Chemische Fabrik. Device for reversible optical data storage. 4,886,718, 12-12-89, Cl. 430-20.000.

Eichardt, Klaus: *See—*

Guenther, Horst; Foest, Wolfgang; and Eichardt, Klaus, 4,826,318, Cl. 356-312.000.

Eichberger, Ernst: *See—*

Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,804,408, Cl. 75-38.000.

Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,867,787, Cl. 75-38.000.

Eichel, Herman J.; and Massman, Brent D., to Ionor, Inc. Controlled release pharmaceutical preparation containing a gastrointestinal irritant drug. 4,822,619, 4-18-89, Cl. 424-492.000.

Eichelberger, Charles W.; Wojnarowski, Robert J.; and Welles, Kenneth B., II, to General Electric Company. Adaptive lithography system to provide high density interconnect. 4,835,704, 5-30-89, Cl. 364-490.000.

Eichelberger, Charles W.; Welles, Kenneth B., II; and Wojnarowski, Robert J., to General Electric Company. Integrated circuit packaging configuration for rapid customized design and unique test capability. 4,866,508, 9-12-89, Cl. 357-74.000.

Eichelberger, Charles W.; and Wojnarowski, Robert J., to General Electric Company. Simplified method for repair of high density interconnect circuits. 4,878,991, 11-7-89, Cl. 156-630.000.

Eichelberger, Charles W.; Wojnarowski, Robert J.; and Welles, Kenneth B., II, to General Electric Company. Method and configuration for testing electronic circuits and integrated circuit chips using a removable overlay layer 4,884,122, 11-28-89, Cl. 357-71.000.

Eichelberger, Charles W.: *See—*

Wojnarowski, Robert J.; and Eichelberger, Charles W., 4,842,677, Cl. 156-643.000.

Eichelberger, Edward B.; Lindbloom, Eric; Motika, Franco; and Waicukauski, John A., to International Business Machines Corporation. Weighted random pattern testing apparatus and method. 4,801,870, 1-31-89, Cl. 324-73.00R.

Eichelberger, George P.: *See—*

Tweedy, Ernest P.; Lin, Eric C. W.; Eichelberger, George P.; and Mustafa, Mehmet, 4,816,905, Cl. 358-86.000.

Eichen, Elliot: *See—*

Rideout, William C.; and Eichen, Elliot, 4,872,180, Cl. 372-99.000.

Eichen, Howard R., to Treestone Corporation. Building material and method of producing the building material. 4,876,151, 10-24-89, Cl. 428-446.000.

Eichenauer, Herbert; and Pischtschan, Alfred, to Bayer Aktiengesellschaft. ABS molding compositions of reduced residual butadiene content. 4,800,216, 1-24-89, Cl. 525-285.000.

Eichenauer, Herbert; Lindner, Christian; Muller, Friedemann; Hocker, Hartwig; and Keul, Helmut, to Bayer Aktiengesellschaft. Cellulose ester moulding materials with improved toughness. 4,801,632, 1-31-89, Cl. 524-37.000.

Eichenauer, Herbert; Lindner, Christian; Ott, Karl-Heinz; Orth, Peter; and Hocker, Hartwig, to Bayer Aktiengesellschaft. New polysiloxane block copolymers. 4,826,946, 5-2-89, Cl. 528-14.000.

Eichenauer, Herbert; Buding, Hartmuth; Doring, Joachim; Casper, Rudolf; and Ott, Karl-Heinz, to Bayer Aktiengesellschaft. Thermoplastic moulding compositions of ABS and hydrogenated nitrile rubber. 4,857,591, 8-15-89, Cl. 525-74.000.

Eichenauer, Herbert; Hocker, Hartwig; and Heitz, Thomas, to Bayer Aktiengesellschaft. Polymeric dihydroxy compounds and their use as stabilizers for polymers. 4,859,731, 8-22-89, Cl. 524-291.000.

Eichenauer, Herbert; Pischtschan, Alfred; and Ott, Karl-Heinz, to Bayer Aktiengesellschaft. Process for the preparation of thermoplastic moulding compositions. 4,885,337, 12-5-89, Cl. 525-75.000.

Eichenauer, Herbert: *See—*

Buysch, Hans-Josef; Schon, Norbert; Eichenauer, Herbert; Kress, Hans-Jurgen; and Buekers, Josef, 4,839,421, Cl. 525-67.000.

Buysch, Hans-Josef; Schon, Norbert; Kress, Hans-Jurgen; Eichenauer, Herbert; and Buekers, Josef, 4,883,835, Cl. 524-504.000.

Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, 4,865,917, Cl. 428-407.000.

Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, 4,885,209, Cl. 428-420.000.

Eichenauer, Ulrich: *See—*

Hagen, Helmut; Eichenauer, Ulrich; Plath, Peter; Meyer, Norbert; and Wuerzer, Bruno, 4,797,148, Cl. 71-94.000.

Hagen, Helmut; Eichenauer, Ulrich; Kohler, Rolf-Dieter; Plath, Peter; Liese-Sauer, Thomas; Eicken, Karl; Wuerzer, Bruno; and Meyer, Norbert, 4,804,404, Cl. 71-94.000.

Plath, Peter; Eicken, Karl; Zeeh, Bernd; Eichenauer, Ulrich; Hagen, Helmut; Kohler, Rolf-Dieter; Meyer, Norbert; and Wuerzer, Bruno, 4,808,212, Cl. 71-94.000.

Eichenbaum, Bernard R.; and Santana, Manuel R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Sheathed optical fiber cable. 4,859,023, 8-22-89, Cl. 350-96.230.

Eichenberger, Herbert: *See—*

Baumann, Werner; Diest, Joseph V.; Eichenberger, Herbert; and Oppliger, Max, 4,820,806, Cl. 534-605.000.

Eichenberger, Kurt; and Kuhnis, Hans, to Ciba-Geigy Corporation. 3,5-diacyl-2,6-dialkyl-4-aryl-1,4-dihydropyridines, their use, and pharmaceutical compositions thereof. 4,808,603, 2-28-89, Cl. 514-356.000.

Eichenberger, Peter, to Ford Motor Company. Dual range infinitely variable transmission. 4,876,920, 10-31-89, Cl. 74-689.000.

Eichenlaub, Jesse B., to Dimension Technologies, Inc. Autostereoscopic display with illuminating lines, light valve and mask. 4,829,365, 5-9-89, Cl. 358-3.000.

Eichenlaub, John E. Explosion-proof, pollution-free infrared dryer. 4,798,007, 1-17-89, Cl. 34-4.000.

Eichenlaub, John E. Apparatus for mounting marine electronic equipment. 4,880,196, 11-14-89, Cl. 248-293.000.

Eichenseer, Robert, to Roper Corporation. Gas cap assembly with retainer means. 4,867,337, 9-19-89, Cl. 220-375.000.

Eicher, David E., to Rockwell International Corporation. Method of voice operated transmit control. 4,860,359, 8-22-89, Cl. 381-46.000.

Eicher, Heinz-Anton: *See—*

In-Albon, Jean-Paul; and Eicher, Heinz-Anton, 4,852,472, Cl. 99-289.00R.

Eicher, Kurt: *See—*

Baltensperger, Eduard, 4,860,843, Cl. 180-373.000.

Eichfeld, Timothy J. Fishing pole mounting device for a boat. 4,869,195, 9-26-89, Cl. 114-364.000.

Eichholz, Heinz-Dieter: *See—*

Heimann, Bruno; Luke, Rainer; and Eichholz, Heinz-Dieter, 4,827,538, Cl. 4-192.000.

Eichhorn, Gunther: *See—*

Bruchez, Raymond J., Jr.; Eichhorn, Gunther; and Kiblinger, Elliott C., II, 4,799,623, Cl. 239-265.410.

Eichinger, Johann, to Carl Hurth Maschinen- und Zahnradfabrik GmbH & Co. Transmission shaft sealing arrangement. 4,817,846, 4-4-89, Cl. 277-9.000.

Eichler, Allen C.: *See—*

Voss, Gene; and Eichler, Allen C., 4,801,587, Cl. 514-248.000.

Eichler, Juergen; Grasser, Franz; and Oppelt, Sylvester, to Siemens Aktiengesellschaft. Lithotripsy work station. 4,829,986, 5-16-89, Cl. 128-24.00A.

Eichler, Volker: *See—*

Jentzsch, Arndt; Mueller, Wolfgang; Missbach, Falko; and Eichler, Volker. 4,867,062, Cl. 101-350.000.

Eichlseder, Martin: *See—*

Ehrler, Ernst; Eichlseder, Martin; and Theiss, Edmund, 4,820,467, Cl. 264-161.000.

Eichman, Clarence C.: *See—*

Bourne, Roy S.; Eichman, Clarence C.; and Welbon, William W., 4,872,905, Cl. 75-0.50C.

Eichner, Ronald D.; and Mullbacher, Arno, to Australian National University, The. Immunoregulation. 4,886,796, 12-12-89, Cl. 514-211.000.

Eichweber, Kurt, to Precitronic Gesellschaft fur Feinmechanik und Electronic mbH. Method and device for laser-optical measurement of cooperative objects, more especially for the simulation of firing. 4,801,201, 1-31-89, Cl. 356-4.000.

Eichweber, Kurt, to Precitronic Gesellschaft fur Feinmechanik und Electronic mbH. Arrangement for the transmission of laser light with reference source for backscatter obstruction detection. 4,814,628, 3-21-89, Cl. 250-574.000.

Eichweber, Kurt, to Precitronic Gesellschaft fur Feinmechanik und Electronic mbH. Firearm aiming simulator device. 4,854,595, 8-8-89, Cl. 273-312.000.

Eichweber, Kurt, to Precitronic Gesellschaft fur Feinmechanik und Electronic mbH. Landing approach aid for aircraft. 4,868,567, 9-19-89, Cl. 340-953.000.

Eick, Christopher D.: *See—*

Williamson, John R.; and Eick, Christopher D., 4,869,642, Cl. 415-146.000.

Eickelmann, Lothar, to Hageag Holding Inc. Electrical circuit for selectively activating electrical devices. 4,890,001, 12-26-89, Cl. 307-38.000.

Eicken, Karl; Plath, Peter; Wuerzer, Bruno; and Meyer, Norbert, to BASF Aktiengesellschaft. N-arylsulfonyl-N'-pyrimidyl ureas. 4,808,211, 2-28-89, Cl. 71-92.000.

Eicken, Karl; Plath, Peter; Wuerzer, Bruno; and Meyer, Norbert, to BASF Aktiengesellschaft. Herbicidal N-aryltetrahydrophthalimide derivatives. 4,844,733, 7-4-89, Cl. 71-96.000.

Eicken, Karl: *See—*

Hagen, Helmut; Eichenauer, Ulrich; Kohler, Rolf-Dieter; Plath, Peter; Liese-Sauer, Thomas; Eicken, Karl; Wuerzer, Bruno; and Meyer, Norbert, 4,804,404, Cl. 71-94.000.

Plath, Peter; Eicken, Karl; Zeeh, Bernd; Eichenauer, Ulrich; Hagen, Helmut; Kohler, Rolf-Dieter; Meyer, Norbert; and Wuerzer, Bruno, 4,808,212, Cl. 71-94.000.

Plath, Peter; Eicken, Karl; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; Meyer, Norbert; and Wuerzer, Bruno, 4,832,731, Cl. 71-92.000.

Rueb, Lothar; Eicken, Karl; Zeeh, Bernd; Meyer, Norbert; and Wuerzer, Bruno, 4,888,046, Cl. 71-90.000.

Eickhof, Ralph C.: *See—*

Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,844,010, Cl. 119-1.000.

Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,881,490, Cl. 119-1.000.

Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,883,021, Cl. 119-1.000.

Eickhoff, Hans J.: *See—*

Binger, Bernhard; Eickhoff, Hans J.; Maier, Paul; Engstler, Anton; and Grolig, Herbert, 4,796,486, Cl. 74-606.00R.

Eickhoff, Robert D.: *See—*

Fingerson, Conrad F.; and Eickhoff, Robert D., 4,836,504, Cl. 256-10.000.

Fingerson, Conrad F.; Carlson, Dennis L.; Nelson, Bruce A.; and Eickhoff, Robert D., 4,874,180, Cl. 273-416.000.

Eickmann, Guenter, to Pine Instrument Company. Electrode system. 4,882,029, 11-21-89, Cl. 204-400.000.

Eickmann, Guenter, to Pine Instrument Company. Electrode system. 4,889,608, 12-26-89, Cl. 204-212.000.

Eickmann, Karl. Fluid flow facilitating arrangement which includes a coned ring. 4,799,654, 1-24-89, Cl. 267-162.000.

Eickmann, Karl. Solid fuel bar combustion device and a compressor. 4,809,503, 3-7-89, Cl. 60-39.464.

Eickmann, Karl. Combustion engine with exterior combustion chamber. 4,815,275, 3-28-89, Cl. 60-39.600.

Eickmann, Karl. Pump for pressures exceeding one thousand atmospheres by the provision of a half-pressure chamber around a high pressure chamber between coned ring elements. 4,822,255, 4-18-89, Cl. 417-401.000.

Eickmann, Karl. Pump arrangement which includes axially extending cylindrical ring noses on coned rings with a centering ring and seal ring radially of the face wherein two of the ring nose are oppositionally directed and laid together. 4,824,338, 4-25-89, Cl. 417-472.000.

Eickmann, Karl. Airborne vehicle with hydraulic drive and control. 4,856,732, 8-15-89, Cl. 244-2.000.

Eickmann, Karl. Combustion engine. 4,864,979, 9-12-89, Cl. 123-65.0BA.

Eickmann, Karl. Combustion engine for solid block fuel. 4,876,850, 10-31-89, Cl. 60-39.464.

EID Electronic Identification Systems, Ltd.: *See—*

Baldwin, Howard A.; Walker, Conrad M. B.; and Brockelsby, William K., 4,870,419, Cl. 342-50.000.

Eida, Tsuyoshi; Suga, Yuko; and Shirota, Katsuhiro, to Canon Kabushiki Kaisha. Recording liquid. 4,804,411, 2-14-89, Cl. 106-22.000.

Eida, Tsuyoshi; Shioya, Makoto; and Kobayashi, Masatsune, to Canon Kabushiki Kaisha. Flocculant purification of ink. 4,867,789, 9-19-89, Cl. 106-22.000.

Eida, Tsuyoshi: *See—*

Shirota, Katsuhiro; Eida, Tsuyoshi; and Suga, Yuko, 4,864,324, Cl. 346-1.100.

Eidelman, Shmuel, to Science Applications International Corporation. Apparatus and method for neutralizing mine fields. 4,823,672, 4-25-89, Cl. 89-1.130.

Eidem, John C., to Demstar Corporation. Portable I.V. stand. 4,832,294, 5-23-89, Cl. 248-125.000.

Eiden, Friedrich; Gmeiner, Peter; and Schunemann, Jurgen, to Madaus GmbH & Company. Derivatives of 2,3,4,5,6,7-hexahydro-2,7-methano-1,5-benzoxazonines and -1,4-benzoxazonines, processes for their production and their use as pharmaceuticals. 4,859,664, 8-22-89, Cl. 514-217.000.

Eiden, Glenn E. Solar tracking control system. 4,794,909, 1-3-89, Cl. 126-425.000.

Eiden, Gregory C.: *See—*

Sachitano, Jack; Boyer, Paul K.; Park, Hee K.; and Eiden, Gregory C., 4,826,782, Cl. 437-44.000.

Eiden, Gunter: *See—*

Hoffmann, Karl-Ludwig; Eiden, Gunter; and Morach, Eugen, 4,812,267, Cl. 264-169.000.

Eiden, Hermann, to Mannesmann Rexroth GmbH. Valve means for connecting at least one consumer to a hydraulic pressure line. 4,794,842, 1-3-89, Cl. 91-31.000.

Eiden, Karl W.: *See—*

Deusser, Peter G.; Boehm, Detlef M.; Eiden, Karl W.; and Becker, Johann A., 4,859,020, Cl. 350-96.200.

Eidenschink, Rudolf; Krause, Joachim; and Fuss, Peter, to Merck Patent Gesellschaft mit beschrankter Haftung. Liquid crystal dielectric. 4,818,431, 4-4-89, Cl. 252-299.610.

Eidenschink, Rudolf; Dorsch, Dieter; and Herz, Claus P., to Merck Patent Gesellschaft Mit Beschrankter Haftung. Oriented polymer materials. 4,833,035, 5-23-89, Cl. 428-411.100.

Eidenschink, Rudolf; Krause, Joachim; Andrews, Beatrice M.; Gray, George W.; and Carr, Neil, to Merck Patent Gesellschaft mit beschrankter Haftung; and United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Ring compounds. 4,834,905, 5-30-89, Cl. 252-299.610.

Eidenschink, Rudolf; Romer, Michael; Weber, Georg; Gray, George W.; and Toyne, Kenneth J., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the; and Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Bicyclohexyls. 4,868,341, 9-19-89, Cl. 568-664.000.

Eidenschink, Rudolf; Krause, Joachim; Hittich, Reinhard; Poetsch, Eike; Scheuble, Bernhard; Weber, Georg; and Pohl, Ludwig, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Nitrogen-containing hetercyclic compounds. 4,882,082, 11-21-89, Cl. 252-299.610.

Eidenschink, Rudolf: *See—*

Dorsch, Dieter; Eidenschink, Rudolf; and Herz, Claus P., 4,822,682, Cl. 428-411.100.

Hopf, Reinhard; Scheuble, Bernhard; Wachtler, Andreas; Hittich, Reinhard; Eidenschink, Rudolf; Geelhaar, Thomas; Krause, Joachim; and Reiffenrath, Volker, 4,886,620, Cl. 252-299.610.

Krause, Joachim; Eidenschink, Rudolf; Bofinger, Klaus; Scheuble, Bernhard; and Geelhaar, Thomas, 4,834,904, Cl. 252-299.010.

Pohl, Ludwig; Scheuble, Bernhard; Hittich, Reinhard; Eidenschink, Rudolf; Kurmeier, Hans A.; and Wachtler, Andreas, 4,846,998, Cl. 252-299.630.

Reiffenrath, Volker; Krause, Joachim; Geelhaar, Thomas; Eidenschink, Rudolf; Kurmeier, Hans-Adolf; Poetsch, Eike; Scheuble, Bernhard; and Weber, Georg, 4,871,469, Cl. 252-299.610.

Wachtler, Andreas; Krause, Joachim; Eidenschink, Rudolf; and Weber, Georg, 4,871,470, Cl. 252-299.630.

Eidetics International, Inc.: *See—*

Skow, Andrew M., 4,869,443, Cl. 244-75.00R.

Eidler, Franz: *See—*

Arnold, Brigitte; Eidler, Franz; and Wessel, Wolf, 4,862,370, Cl. 364-431.100.

Eidman, Kirk F.; and Walba, David M., to University Patents, Inc. Chiral 1-cyanoalkoxy 4-hydroxyphenyl derivatives. 4,797,503, 1-10-89, Cl. 558-389.000.

Eidt, Clarence M., Jr.; Aldrige, Clyde L.; and Bearden, Roby, Jr., to Exxon Research and Engineering Company. Combination coking and hydroconversion process. 4,882,036, 11-21-89, Cl. 208-50.000.

Eidt, Scott H.; Deavenport, Dennis L.; and Tran, Nam H., to Texas Alkyls, Inc. Preparation of dimethylzinc. 4,841,082, 6-20-89, Cl. 556-129.000.

Eiermann, Dankwart, to Wankel GmbH. Inner seal of a rotary piston engine. 4,797,076, 1-10-89, Cl. 418-142.000.

Eiermann, Dankwart, to Wankel GmbH. Cooling system for a rotary piston internal combustion engine. 4,801,254, 1-31-89, Cl. 418-94.000.

Eiermann, Dankwart; and Fischer, Manfred, to Wankel GmbH. Axial sealing system of a rotary piston engine. 4,808,096, 2-28-89, Cl. 418-113.000.

Eiermann, Dankwart, to Wankel GmbH. Axial seal for a rotary-piston engine. 4,824,125, 4-25-89, Cl. 277-215.000.

Eiermann, Dankwart; and Klusowski, Hans-Jurgen, to Wankel GmbH. Lubrication system for a rotary-piston internal combustion engine. 4,830,591, 5-16-89, Cl. 418-61.200.

Eiermann, Dankwart, to Wankel GmbH. Cooling system of an eccentric shaft of a rotary piston internal combustion engine. 4,850,927, 7-25-89, Cl. 418-61.200.

Eiermann, Dankwart; and Sohler, Wolfgang, to Wankel GmbH. Parallel-and external-axial rotary piston blower operating in meshing engagement. 4,867,659, 9-19-89, Cl. 418-142.000.

Eiermann, Horst W.; and Muhl, Christian, to PCT Pyrochemtek AG Chemische Fabrik Grunau GmbH; and Muhl, Christian. Kit for producing fireproof cable ducts. 4,798,917, 1-17-89, Cl. 174-72.00R.

Eiermann, Kurt; Goebel, Reiner; Gries, Peter; and Hohenstatt, Martin, to Degusa Aktiengesellschaft. Device for the thermal measurement of the mass flow gases and liquids. 4,805,452, 2-21-89, Cl. 73-204.260.

Eifert, Glen C.: *See—*

Bruener, Patrick J.; Harkness, Joseph R.; Vogl, Norbert M.; and Eifert, Glen C., 4,819,593, Cl. 123-192.00B.

Eifert, Gyula: *See—*

Bohus, Peter; Bihari, Ferenc; Kertesz nee Szabo, Marianna; Karonya, Istvan; Boros, Peter; Szulagyi, Janos; Meszaros, Jeno; Eifert, Gyula; Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos, Laszlo , 4,806,151, Cl. 71-111.000.

Eigeldinger, Norbert; and Laskus, Rolf, to Deutsche Thomson-Brandt GmbH. System for providing transmitter-controlled actuation of equipment at the receiving end of a communications system. 4,864,429, 9-5-89, Cl. 358-349.000.

Eigenberg, Kenneth E.: *See—*

Azain, Michael J.; Eigenberg, Kenneth E.; Kasser, Thomas R.; and Sabacky, M. Jerome, 4,863,736, Cl. 424-423.000.

Eigenmann, Oskar: *See—*

Summerauer, Ingomar J. K.; and Eigenmann, Oskar, 4,863,112, Cl. 242-78.800.

Eigenstetter, Herbert: *See—*

Doemens, Guenter; Eigenstetter, Herbert; and Mengel, Peter, 4,814,626, Cl. 250-561.000.

Eiglmeier, Kurt; and Schulz, Joachim, to Riedel-de Haen Aktiengesellschaft. UV light stabilizer based on benzophenone. 4,824,892, 4-25-89, Cl. 524-291.000.

Eigruber, Horst: *See—*

Spence, Steven E.; Shamet, Robert F.; Da Silva, Flavio; and Eigruber, Horst, 4,846,648, Cl. 425-133.100.

Eigtved, Peter, to Novo Industri A/S. Immobilized Mucor miehei lipase for transesterification. 4,798,793, 1-17-89, Cl. 435-134.000.

Eigtved, Peter, to Novo Industri A/S. Immobilized *Mucor miehe* lipase for transesterification. 4,818,695, 4-4-89, Cl. 435-134.000.

Eiichi Saita: *See—*

Saita, Eiichi; Mori, Shigetaka; and Mori, Akihiko, 4,847,103, Cl. 426-445.000.

Eijkelenboom, Leonard C. H.; Maassen, Egbertus J. P.; and Van Meel, Franciscus A. M. M., to U.S. Philips Corporation. Luminaire having a faceted reflecting surface. 4,855,886, 8-8-89, Cl. 362-350.000.

Eijsermans, Joseph F. R.: *See—*

Van De Weijer, Martinus H. A.; and Eijsermans, Joseph F. R., 4,864,191, Cl. 313-633.000.

Eikeland, Harald: *See—*

Laerdal, Tore; Aamodth, Kjell; and Eikeland, Harald, 4,797,104, Cl. 434-265.000.

Eikelboom, Herman W., to U.S. Philips Corporation. Device for providing glass layers on the inside of a tube. 4,844,007, 7-4-89, Cl. 118-723.000.

Eikelenboon, Peter A. J. Collapsible road barrier. 4,861,185, 8-29-89, Cl. 404-6.000.

Eikenberry, Jon N., to Eastman Kodak Company. Binder composition and analytical element having stabilized peroxidase in layer containing the composition. 4,874,692, 10-17-89, Cl. 435-7.000.

Eilam, Zohar; and Bar Itzchak, Zeev, to Ergoplic Ltd. Keyboard apparatus and method. 4,833,446, 5-23-89, Cl. 341-22.000.

Eiland, Eddie L., to Dresser Industries, Inc. Rockbit arm machining fixture and method. 4,872,379, 10-10-89, Cl. 82-165.000.

Eilender, Albert: *See—*

Geglani, Kamlesh; and Eilender, Albert, 4,841,064, Cl. 548-215.000.

Eilender, Albert L.: *See—*

Gaglani, Kamlesh; and Eilender, Albert L., 4,855,312, Cl. 514-374.000.

Eilentropp, Heinz, to HEW-Kabel Heinz Eilentropp KG. Flexible heating assembly. 4,816,649, 3-28-89, Cl. 219-549.000.

Eilerman, Robert G.: *See—*

Christenson, Philip A.; Eilerman, Robert G.; and Drake, Brian J., 4,827,012, Cl. 558-260.000.

Eilers, George J.: *See—*

Ogawa, Francis T.; Eilers, George J.; Manes, Michael R.; Lobdell, Donn D.; and Boucher, Terry D., 4,825,168, Cl. 324-439.000.

Eilert, John H.; Frey, Jeffrey A.; Tan, Yih-shin; and Warnes, James H., to International Business Machines Corp. Dynamic assignment of affinity for vector tasks. 4,809,157, 2-28-89, Cl. 364-200.000.

Eilertsen, John L., to G. & E. Engineering Ltd. Solenoid actuators. 4,812,690, 3-14-89, Cl. 310-27.000.

Eiling, Aloys: *See—*

Pott, Richard; Eiling, Aloys; and Kampf, Gunther, 4,860,254, Cl. 365-145.000.

Eilingsfeld, Heinz; Etzbach, Karl-Heinz; Hansen, Guenter; and Reichelt, Helmut, to BASF Aktiengesellschaft. Azo dyes containing thienothiophene radicals as radicals of the diazo component. 4,843,153, 6-27-89, Cl. 534-752.000.

Eilingsfeld, Heinz: *See—*

Schaefer, Gerhard; Eilingsfeld, Heinz; Neumann, Peter; and Stumpp, Michael, 4,873,372, Cl. 568-34.000.

Eilliott, Donald R.; and Beall, Gary W., to United Catalyst Inc. Organophilic clay modified with silane compounds. 4,874,728, 10-17-89, Cl. 501-148.000.

Eimer, Klaus, to Taprogge GmbH. Apparatus for extracting cleaning bodies from a liquid. 4,830,099, 5-16-89, Cl. 165-95.000.

Ein (America) Inc.: *See—*

Nishibori, Sadao, 4,834,762, Cl. 8-94.10R.

Ein Dor Kibbutz Hashomer Hatzair L'Hityashvut Shitufit Beeravon Mugbal: *See—*

Price, Maya, 4,808,139, Cl. 446-75.000.

Einarson, Jeffrey W.; and Cheung, Kin-Ling, to Wang Laboratories, Inc. Memory address generator with device address type specifier. 4,799,187, 1-17-89, Cl. 364-900.000.

Einarson, Jens C.; and Lundqvist, Sven-Olof, to Svenska Traforskningsinstitutet. Method for measuring size distribution. 4,806,014, 2-21-89, Cl, 356-335.000.

Einarsson, Einar. Self-adjusting tire stud. 4,844,137, 7-4-89, Cl. 152-210.000.

Einarsson, Stefan: *See—*

Josefsson, Bjorn; Einarsson, Stefan; Sanchez, Domingo; and Moller, Per, 4,818,704, Cl. 436-111.000.

Einberger, Jon G.: *See—*

Oosterbaan, Douglas J.; and Einberger, Jon G., 4,867,500, Cl. 296-97.100.

Einerson, Carolyn J.: *See—*

Smartt, Herschel B.; Einerson, Carolyn J.; and Watkins, Arthur D., 4,825,038, Cl. 219-137.0PS.

Einerson, Mark A.: *See—*

Tran, Kha M.; and Einerson, Mark A., 4,857,341, Cl. 426-98.000.

Einhaus, Bernard J.: *See—*

Kyminas, Stanley C.; Phillips, John C.; and Einhaus, Bernard J., 4,859,723, Cl. 524-31.000.

Einhaus, Hermanus F.: *See—*

Aldenhoven, Ghislanus M. M.; Einhaus, Hermanus F.; and Boonen, Rene M. F., 4,835,760, Cl. 369-75.200.

Eino, Teruo, to Olympus Optical Co., Ltd. Image sensing apparatus. 4,803,562, 2-7-89, Cl. 358-98.000.

Eino, Teruo; and Takei, Tohru. Electronic endoscope apparatus. 4,807,025, 2-21-89, Cl. 358-98.000.

Eino, Teruo, to Olympus Optical Co., Ltd. Electronic endoscope apparatus. 4,819,065, 4-4-89, Cl. 358-98.000.

Eino, Teruo, to Olympus Optical Co., Ltd. Color image sensing apparatus with means for alternately extracting first and second color difference signals including a first-in first-out digital line memory. 4,847,684, 7-11-89, Cl. 358-44.000.

Eino, Teruo; Amano, Atsushi; and Toda, Masato, to Olympus Optical Co., Ltd. Electronic endoscope apparatus. 4,869,237, 9-26-89, Cl. 128-6.000.

Eino, Teruo: *See—*

Hibino, Hiroki; Kimura, Kenji; and Eino, Teruo, 4,853,773, Cl. 358-98.000.

Einolf, Charles W., Jr.: *See—*

Koch, Karl C.; Petronio, Carlo F.; and Einolf, Charles W., Jr., 4,817,208, Cl. 455-619.000.

Einthoven, Willem G., to General Instrument Corp. Method for setting the threshold voltage of a vertical power MOSFET. 4,859,621, 8-22-89, Cl. 437-45.000.

Einzig, Robert E.; Davis, Charles M.; and Zarobila, Clarence J., to Optical Technologies, Inc. Fiber optic. 4,868,495, 9-19-89, Cl. 324-97.000.

Einzig, Robert E., to Optical Technologies, Inc. Fluid flow sensing apparatus for in vivo and industrial applications employing novel optical fiber pressure sensors. 4,873,989, 10-17-89, Cl. 128-692.000.

Einzinger, Josef: *See—*

Fellinger, Christine; Einzinger, Josef; Leipold, Ludwid; Tihanyi, Jenoe; and Weber, Roland, 4,801,824, Cl. 307-558.000.

EIP Microwave, Inc.: *See—*

Roos, Mark D.; and Messmer, Walter J., III, 4,800,464, Cl. 361-424.000.

Roos, Mark D., 4,803,419, Cl. 324-58.00R.

Roos, Mark D.; and Messmer, Walter J., III, 4,813,886, Cl. 439-578.000.

Roos, Mark D., 4,839,578, Cl. 324-58.00B.

Roos, Mark D.; and Messmer, Walter J., III, 4,872,212, Cl. 361-424.000.

Eirich, Hubert: *See—*

Eirich, Paul; Eirich, Hubert; and Eirich, Walter, 4,854,715, Cl. 366-139.000.

Eirich, Paul; Eirich, Hubert; and Eirich, Walter. Pressure-resistant mixer. 4,854,715, 8-8-89. Cl. 366-139.000.

Eirich, Walter: *See—*

Eirich, Paul; Eirich, Hubert; and Eirich, Walter, 4,854,715, Cl. 366-139.000.

Eis, Gunter: *See—*

Ostrup, Heinrich; and Eis, Gunter, 4,869,058, Cl. 56-208.000.

Eisa, Soraya; Peczkowski, Joseph; Tyler, Henry; and Richardson, Glenn, to Allied-Signal Inc. Overspeed governor for an electronic controlled fuel system. 4,837,697, 6-6-89, Cl. 364-431.020.

Eisai Co., Ltd.: *See—*

Araki, Seiichi; Suzuki, Mamoru; Iwasaki, Tetsuji; and Hioki, Yuichi, 4,868,217, Cl. 514-642.000.

Ichikawa, Masaki; Watanabe, Sumio; and Miyake, Yasuo, 4,844,905, Cl. 424-451.000.

Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, 4,833,160, Cl. 514-424.000.

Ishibashi, Yasuo; Matsuda, Muneaki; and Ashizawa, Kazuhide, 4,822,785, Cl. 514-202.000.

Ito, Osamu; and Tachibana, Shinro, 4,822,774, Cl. 514-12.000.

Itor, Masaharu; and Tsujide, Kiyokazu, 4,814,353, Cl. 514-675.000.

Kakimoto, Fumio; Asakawa, Naoki; Ishibashi, Yasuo; and Miyake, Yasuo, 4,837,022, Cl. 424-94.300.

Koyama, Noritoshi; Ikeuchi, Takayuki; Araki, Seiichi; Kitoh, Kyosuke; and Ida, Katsumi, 4,839,389, Cl. 514-724.000.

Kurobe, Toshio; Kasai, Masayoshi; and Kayano, Masanori, 4,853,211, Cl. 424-44.000.

Kuwabara, Chihiro, 4,861,166, Cl. 366-219.000.

Nakamoto, Kouji; Morishita, Nobumichi; and Aoyama, Masahide, 4,883,821, Cl. 514-617.000.

Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.

Ohasi, Hiroyuki; Takami, Toru; Koyama, Noritoshi; Kogure, Yoshio; Ida, Katsumi; Iijima, Kazumi; and Kobori, Tomohiro, 4,840,970, Cl. 514-690.000.

Oinuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.

Saeki, Yasuharu; Watanabe, Takeshi; Ohwaki, Takayuki; Kawahara, Masahiro; and Miyake, Yasuo, 4,827,062, Cl. 514-690.000.

Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.

Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.

Yamanaka, Motosuke; Miyake, Kazutoshi; Suda, Shinji; Ohhara, Hideto; and Ogawa, Toshiaki, 4,803,276, Cl. 546-121.000.

Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.

Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, 4,888,439, Cl. 560-129.000.

Eischen, Clement G., Sr. Device for lower limb extremity having weight-response pressure chambers. 4,805,601, 2-21-89, Cl. 128-64.000.

Eischen, Edwin E. Vehicle carrier. 4,813,841, 3-21-89, Cl. 414-477.000.

Eisele, Raymund H., to Betriebswirtschaftliches Institut der Deutschen Kreditgenossenschaft BIK GmbH. Method and device for making an electronic authentication. 4,849,613, 7-18-89, Cl. 235-379.000.

Eisele, Robert F., to Shiley Incorporated. Fenestrated tracheostomy tube. 4,852,565, 8-1-89, Cl. 128-207.140.

Eiseman, Bernhardt J., Jr.: *See—*

Gorski, Robert A.; Eiseman, Bernhardt J., Jr.; and Kvalnes, Donovan E., 4,873,021, Cl. 252-364.000.

Eisen, Herman N.: *See—*

Saito, Haruo; Kranz, David M.; Eisen, Herman N.; and Tonegawa, Susumu, 4,873,190, Cl. 435-172.300.

Saito, Haruo; Kranz, David M.; Eisen, Herman N.; and Tonegawa, Susumu, 4,874,845, Cl. 530-395.000.

Eisen- und Drahtwerk Erlau Aktiengesellschaft: *See—*

Herdeg, Karl, 4,832,100, Cl. 152-213.00R.

Eisenbach, Lawrence P.; and Allen, Thomas P., III, to Nike, Inc. Cleated cycling shoe with support straps. 4,815,222, 3-28-89, Cl. 36-131.000.

Eisenbacher, Egon, to Mannesmann Rexroth GmbH. Gerotor pump with pressure valve and suction opening for each pressure chamber. 4,813,858, 3-21-89, Cl. 418-61.200.

Eisenbacher, Egon: *See—*

Wusthof, Peter; Eisenbacher, Egon; Lotter, Manfred; and Stolzer, Rainer, 4,838,765, Cl. 417-203.000.

Eisenbarth, Philipp: *See—*

Ittemann, Peter; and Eisenbarth, Philipp, 4,873,284, Cl. 524-548.000.

Schornick, Gunnar; Eisenbarth, Philipp; Schuhmacher, Rudolf; and Boyd, Jack D., 4,835,232, Cl. 526-262.000.

Eisenbeis, Clyde T., to Minnesota Mining and Manufacturing Company. Economic, multi-directionally responsive marker for use in electronic article surveillance systems. 4,829,288, 5-9-89, Cl. 340-551.000.

Eisenberg, Donald S.: *See—*

Mapelli, Rudy; Eisenberg, Donald S.; Moss, Geoffrey S.; Hendrickson, David K.; and Mapelli, Connie M., 4,810,081, Cl. 351-57.000.

Eisenberg, Eliahu; Padova, Reuven; Shenfeld, Avner; Hirshfeld, Tsvi; and Stein, Jacob. Device for cultivating bacteria. 4,859,586, 8-22-89, Cl. 435-34.000.

Eisenberg, Gerd, to BTS Broadcast Television Systems GmbH. Control circuit for a controller for use with a controlled element. 4,874,994, 10-17-89, Cl. 318-257.000.

Eisenberg, Lawrence; and Eisenberg, Michael A., to Sound Enhancement Systems, Inc. Electrocardiogram enhancement system and method. 4,862,897, 9-5-89, Cl. 128-715.000.

Eisenberg, Melvin I.; and Westfall, Mark, to Plasco, Inc. Mouth-to-mouth resuscitator device. 4,819,628, 4-11-89, Cl. 128-203.110.

Eisenberg, Melvin I. Fluid container having a one way valve. 4,838,874, 6-13-89, Cl. 604-262.000.

Eisenberg, Michael A.: *See—*

Eisenberg, Lawrence; and Eisenberg, Michael A., 4,862,897, Cl. 128-715.000.

Eisenberger, Peter M.: *See—*

Flannery, Brian P.; Deckman, Harry W.; Eisenberger, Peter M.; and Roberge, Wayne G., 4,833,698, Cl. 378-19.000.

Eisenbies, John L.: *See—*

Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., 4,827,411, Cl. 364-300.000.

Eisengiesserei Monforts GmbH & Co.: *See—*

Hass, Rudi; Jansen, Georg; and Kallen, Wilhelm, 4,832,107, Cl. 164-98.000.

Eisenhardt, Anne R.: *See—*

Thomasen, Holger B.; and Eisenhardt, Anne R., 4,867,797, Cl. 134-18.000.

Eisenhart, Gary L.: *See—*

Bristol, Robert W.; Burch, Harry C.; Eisenhart, Gary L.; Hube, Randall R.; and Sherman, G. Christian, 4,834,502, Cl. 350-322.000.

Eisenhart, Robert L.: *See—*

Park, Pyong K.; and Eisenhart, Robert L., 4,795,993, Cl. 333-249.000.

Eisenhuth, Ludwig: *See—*

Bergfeld, Manfred; and Eisenhuth, Ludwig, 4,831,171, Cl. 556-134.000.

Bergfeld, Manfred; and Eisenhuth, Ludwig, 4,853,475, Cl. 556-50.000.

Eisenmann, James R., to General Dynamics Corp. Arresting delamination in composite laminate. 4,818,584, 4-4-89, Cl. 428-148.000.

Eisenmann, Manfred; and Schreiber, Hans, to Siemens Aktiengesellschaft. Device for controlling the intake air in an internal combustion engine. 4,823,749, 4-25-89, Cl. 123-339.000.

Eisenmann, Michael; and Weidel, Edgar, to Licentia Patent-Verwaltungs-GmbH. Fiber optic star coupler. 4,836,644, 6-6-89, Cl. 350-96.160.

Eisenmenger, Wolfgang. Contactless comminution of concrements. 4,807,627, 2-28-89, Cl. 128-328.000.

Eisenrith, Karl-Heinz: *See—*

Aulich, Hubert; Urbach, Hans-Peter; and Eisenrith, Karl-Heinz, 4,803,188, Cl. 502-232.000.

Eisenstadt, Marvin E.: *See—*

Bakal, Abraham I.; and Eisenstadt, Marvin E., 4,844,921, Cl. 426-98.000.

Eisenstein, Gabe L.; Grodd, Laurence W.; McClellan, Paul J.; Miller, Robert M.; Patton, Charles M.; and Wickes, William C., to Hewlett-Packard Company. Calculator having a user-accessible object stack for the uniform application of mathematical functions and logical operations to a multiplicity of object types. 4,885,714, 12-5-89, Cl. 364-709.010.

Eisenwerk Bruhl GmbH: *See—*

Schilling, Herbert, 4,809,763, Cl. 164-28.000.

Eisenwerke Friedrich Wilhelm Duker GmbH & Co.: *See—*

Imhof, Erich; and Vorbeck, Manfred, 4,805,932, Cl. 285-4.000.

Eisenzimmer, George W., to Goodyear Tire & Rubber Company, The. Hose crimper and method of using same. 4,854,031, 8-8-89, Cl. 29-508.000.

Eiserlo, Friedrich; and Emmrich, Kurt, to Walther & Cie. Aktiengesellschaft. Supply circuit for electrostatic dust separator. 4,854,948, 8-8-89, Cl. 55-105.000.

Eisermann, Armin; and Geiger, Diethard, to Schulte-Schlagbaum Aktiengesellschaft. Reversible bolt lock, specifically with a locking function released by coin drop. 4,817,404, 4-4-89, Cl. 70-134.000.

Eisert, Wolfgang: *See—*

Heckel, Armin; Nickl, Josef; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,870,076, Cl. 514-252.000.

Nickl, Josef; Heckel, Armin; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,820,705, Cl. 514-247.000.

Eisinger, Frantisek L., to Foster Wheeler Energy Corporation. Support system for heat exchange tube. 4,796,690, 1-10-89, Cl. 165-67.000.

Eisinger, Magdalena: *See—*

Albino, Anthony; Cairncross, J. Gregory; Eisinger, Magdalena; Houghton, Alan N., and Old, Lloyd, 4,806,628, Cl. 530-387.000.

Eisler, Gyula. Device for setting the angular position of optical elements. 4,832,452, 5-23-89, Cl. 350-321.000.

Eisler, Gyula. Apparatus for adjusting the angular position of optical elements. 4,842,397, 6-27-89, Cl. 350-634.000.

Eisman, Glenn A.; and Alexander, Lloyd E., to Dow Chemical Company, The. Electrochemical cell and process employing a biasing electrode. 4,802,960, 2-7-89, Cl. 204-98.000.

Eisman, Larry, to Dopaco, Inc. Multi-compartment container. 4,848,648, 7-18-89, Cl. 229-114.000.

Eisman, Larry, to Dopaco, Inc. Paperboard foldable carton. 4,877,178, 10-31-89, Cl. 229-114.000.

Eisner, Andrew: *See—*

Ahmed, Belal; Eisner, Andrew; Foodman, Harold; Hartley, G. Cecil; Hartley, Michael; and Marsh, Robert, 4,819,176, Cl. 364-468.000.

Eisner, Lawrence F.; and Hurd, Bruce E., to Bryce Office Systems, Inc. System for feeding envelopes for simultaneous printing of addresses and bar codes. 4,858,907, 8-22-89, Cl. 271-124.000.

Eisner, William; Hoban, Thomas W.; Klees, Robert M.; and Smith, Richard L., to Rockwell International Corporation. Electronic countermeasure system. 4,823,139, 4-18-89, Cl. 342-15.000.

Eison, Michael S.; and Krogsgaard-Larsen, Povl, to Bristol-Myers Company. THAZ derivatives for enhancement of cerebral function. 4,859,666, 8-22-89, Cl. 514-221.000.

Eison, Michael S.: *See—*

Mattson, Ronald J.; Yevich, Joseph P.; and Eison, Michael S., 4,826,843, Cl. 514-252.000.

Temple, Davis L.; Rafferty, Michael F.; Eison, Michael S.; and Suberg, Stacy N., 4,847,252, Cl. 514-252.000.

Eiss, Martin, to Ajco Jewelry Co. Inc. Watch case for tennis bracelet. 4,855,972, 8-8-89, Cl. 368-282.000.

Eistrat, Thomas. Chain saw attachment. 4,888,872, 12-26-89, Cl. 30-371.000.

Eiswirth, Peter; and Lehnert, Michael, to Heidelberger Druckmaschinen AG. Protective device for a cable end. 4,847,447, 7-11-89, Cl. 174-74.00A.

Eitai, Kazuo: *See—*

Nakajima, Nobiyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, 4,850,815, Cl. 417-295.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,815,945, Cl. 417-295.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Eitai, Kazuo; and Yamaguchi, Toshio, 4,861,235, Cl. 417-295.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, 4,867,651, Cl. 417-295.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,869,652, Cl. 417-295.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,875,835, Cl. 417-295.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,878,814, Cl. 417-63.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,889,474, Cl. 417-295.000.

Eitan, Boaz, to WaferScale Integration, Inc. Self-aligned split gate EPROM process. 4,795,719, 1-3-89, Cl. 437-43.000.

Eitan, Boaz, to WaferScale Integration, Inc. Self-aligned split gate EPROM. 4,868,629, 9-19-89, Cl. 357-45.000.

Eitel, Frederick G.; and Thompson, Charles C., to United Technologies Corporation. Cooled flexible mirror arrangement. 4,844,603, 7-4-89, Cl. 350-611.000.

Eitner, Detlef: *See—*

Gethke, Hans-Gerd; Eitner, Detlef; and Engelhard, Friedel, 4,874,133, Cl. 239-555.000.

Eitoku, Kenji; Tateishi, Mamoru; and Hayashi, Kenji, to Aisan Kogyo Kabushiki. Contact structure for slider position sensor. 4,884,052, 11-28-89, Cl. 338-202.000.

Eittreim, William D. Open wall storage assembly. 4,804,094, 2-14-89, Cl. 211-88.000.

Eitzinger, Robert, to Mid-West Automation Systems, Inc. Automatic flip top cap cover machine. 4,847,988, 7-18-89, Cl. 29-710.000.

Eitzinger, Robert; and Bidus, Mark, to Mid-West Automation Systems, Inc. Orienter for cup-shaped objects. 4,863,007, 9-5-89, Cl. 198-399.000.

Eizen, Noach, to Mul-T-Lock, Ltd. Pin tumbler lock. 4,856,309, 8-15-89, Cl. 70-359.000.

Eizenhoefer, Harald: *See—*

Forssmann, Bernd; and Eizenhoefer, Harald, 4,809,682, Cl. 128-24.00A.

Eizenhofer, Alfons; and Schmidt, Werner, to U.S. Philips Corp. Method of and control arrangement for selecting a control channel by a mobile radio station. 4,850,033, 7-18-89, Cl. 455-56.000.

Eizenhoffer, Alfons; and Preller, Hans-Georg, to U.S. Philips Corp. Digital radio transmission system. 4,799,252, 1-17-89, Cl. 379-59.000.

Eizo, Naya; Yoshikazu, Nagata; Toshiaki, Horiuchi; Mitsuhiro, Okumura; Michinosuke, Demizu; Mitsuhiro, Harima; Shigeki, Asakawa; and Masuo, Asakawa, to Mitsubishi Denki Kabushiki Ksisha. Contact material for vacuum interrupter. 4,853,184, 8-1-89, Cl. 420-489.000.

Ejima, Akio: *See—*

Furukawa, Minoru; Tagawa, Hiroaki; Hayano, Takeshi; and Ejima, Akio, 4,833,242, Cl. 540-225.000.

Ejima, Kikuo; and Amamiya, Hisao, to Kabushiki Kaisha Komatsu Seisakusho. Hose for and method of attenuating fluid pressure pulsations. 4,794,955, 1-3-89, Cl. 138-30.000.

Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, to Chisso Corporation. Nonwoven fabrics and method for producing them. 4,818,587, 4-4-89, Cl. 428-198.000.

Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, to Chisso Corporation. Heat-adhesive composite fibers and method for making the same. 4,840,846, 6-20-89, Cl. 428-373.000.

Ejiri, Emiko: *See—*

Matsumoto, Masakatsu; Fujimoto, Tamotsu; and Ejiri, Emiko, 4,861,917, Cl. 568-347.000.

Ejiri Horo Kabushiki Kaisha: *See—*

Ejiri, Tetsumi, 4,823,980, Cl. 220-408.000.

Ejiri, Kiyomi; Araki, Hiroaki; Matsufuji, Akihiro; and Kasuga, Akira, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,801,505, 1-31-89, Cl. 428-404.000.

Ejiri, Kiyomi; and Komine, Shigeo, to Fuji Photo Film Co., Ltd. Magnetic recording disk. 4,828,903, 5-9-89, Cl. 428-141.000.

Ejiri, Kiyomi: *See—*

Araki, Hiroaki; Ejiri, Kiyomi; and Ohya, Takao, 4,885,208, Cl. 428-403.000.

Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, 4,803,131, Cl. 428-694.000.

Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, 4,806,417, Cl. 428-323.000.

Ejiri, Takashi: *See—*

Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,823,834, Cl. 137-596.140.

Ariizumi, Ryozo; Kainuma, Masakuni; Aoki, Toshikazu; Suda, Shoji; Hoshi, Mitsunori; and Ejiri, Takashi, 4,840,347, Cl. 251-63.400.

Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,875,500, Cl. 137-596.180

Ejiri, Tetsumi, to Ejiri Horo Kabushiki Kaisha. Enamelled double pan. 4,823,980, 4-25-89, Cl. 220-408.000.

Ejiri, Yoshihiro: *See—*

Matsuzaki, Akira; Ejiri, Yoshihiro; Nakai, Taiichiro; and Yamaguchi, Yoshiro, 4,805,547, Cl. 114-221.00A.

EJOT Eberhard Jaeger GmbH & Co. KG: *See—*

Aab, Hans W.; and Kniese, Arnd, 4,821,877, Cl. 206-338.000.

Ek, Kurt L., to Nestec S.A. Cored food filling apparatus. 4,831,923, 5-23-89, Cl. 99-494.000.

Ek, Kurt L., to Nestec S.A. Apparatus and process for rolling a sheet of pastry material. 4,842,879, 6-27-89, Cl. 426-297.000.

Ek, Rolf L.; and Nygren, Sune B., to Procoat Scandinavia Aktiebolag. Composition for coating, sealing, and protecting purposes. 4,866,116, 9-12-89, Cl. 524-430.000.

Eka Nobel AB: *See—*

Bengtsson, Erik; and Andersson, Ulf, 4,800,073, Cl. 423-588.000.

Bengtsson, Erik; and Andersson, Ulf, 4,800,074, Cl. 423-588.000.

Bolduc, Ghislain; and Wanngard, Karl J. F., 4,795,535, Cl. 204-95.000.

Hook, Jan-Erik; and Akerlund, Gorgen, 4,878,998, Cl. 162-49.000.

Josefsson, Bjorn; Einarsson, Stefan; Sanchez, Domingo; and Moller, Per, 4,818,704, Cl. 436-111.000.

Odenbrand, Ingemar; Brandin, Jan; Andersson, Lars; and Lundin, Sten, 4,847,058, Cl. 423-239.000.

Welander, Bo C.; Ohlin, Tommy C. K.; and Jarvis, Ronald P., 4,888,099, Cl. 204-95.000.

Ekander, Hans; Ericson, Clas; Tallback, Gote; Tinoco, Hernan; and Ostrom, Staffan, to Asea Brown Boveri AB. Method of reducing lining wear. 4,820,342, 4-11-89, Cl. 75-10.650.

Ekberg, Carl E., Jr., to Iowa State University Research Foundation, Inc. Prestressed composite floor slab and method of making the same. 4,809,474, 3-7-89, Cl. 52-223.00R.

Ekbom, Ragnar, to Asea Stal AB. Method in producing a molding of an iron alloy. 4,820,484, 4-11-89, Cl. 419-49.000.

Ekbom, Ragnar, to Asea Stal AB. Method for manufacturing metallic products from powder by hot isostatic pressing using ceramic cores. 4,855,103, 8-8-89, Cl. 419-26.000.

EKC Technology, Inc.: *See—*

Lee, Wai M., 4,824,763, Cl. 430-258.000.

Ekchian, Jack A.; Hoffman, Robert W.; Ekchian, Leon; and Gabriel, Kaigham J., to Revlon, Inc. Item identification tag for rapid inventory data acquisition system. 4,862,160, 8-29-89, Cl. 340-825.540.

Ekchian, Leon: *See—*

Ekchian, Jack A.; Hoffman, Robert W.; Ekchian, Leon; and Gabriel, Kaigham J., 4,862,160, Cl. 340-825.540.

Ekdahl, Gert; and Nystrom, Tommy, to AB Tetra Pak. Packing laminate for the manufacture of liquid-tight packing containers and use of such laminate. 4,842,906, 6-27-89, Cl. 428-34.200.

Eke, Kenneth I., to Microwave Ovens Limited. Microwave ovens for cooking primarily meat items. 4,812,606, 3-14-89, Cl. 219-10.55B.

Eke, Kenneth I., to Microwave Ovens Limited. Microwave ovens and methods of cooking food. 4,831,227, 5-16-89, Cl. 219-10.55M.

Eke, Kenneth I, to Microwave Ovens Limited. Microwave ovens and methods of defrosting food therein. 4,874,914, 10-17-89, Cl. 219-10.55M.

Ekeroth, Douglas E.; and Veronesi, Luciano, to Westinghouse Electric Corp. Resiliently loaded lateral supports for cantilever-mounted rod guides of a pressurized water reactor. 4,876,061, 10-24-89, Cl. 376-353.000.

Ekhoff, Donald L. Air bladder apparatus for positioning a magnetic head. 4,862,302, 8-29-89, Cl. 360-105.000.

Ekholm, Pertti; Salmi, Oili; Tuunanen, Jukka; and Vesanen, Erkki, to Labsystems Oy. Thermostated cuvette set. 4,824,791, 4-25-89, Cl. 436-165.000.

Ekholm, Ralf, to Kone Elevator GmbH. Method for coordinating elevator group traffic. 4,838,385, 6-13-89, Cl. 187-101.000.

Ekholm, Ralf: *See—*

Ovaska, Seppo; and Ekholm, Ralf, 4,844,204, Cl. 187-101.000.

Ekimoto, Hisao; Suzuki, Masanobu; Izawa, Takao; Takahashi, Katsutoshi; Nakatani, Tokuji; and Fujii, Akio, to Nippon Kayaku Kabushiki Kaisha. Selenium oxy chloride-pyridine or bipyridine complexes. 4,824,955, 4-25-89, Cl. 546-266.000.

Ekiner, Okan M.; Hayes, Richard A.; and Manos, Philip, to Du Pont de Nemours, E. I., and Company. Reactive posttreatment for gas separation membranes. 4,863,496, 9-5-89, Cl. 55-158.000.

Ekins, Roger Philip: *See—*

Dakubu, Salifu, 4,857,475, Cl. 436-546.000.

Ekis, E. W., Jr.: *See—*

Mouche, R. J.; Lin, M. L.; and Ekis, E. W., Jr., 4,834,955, Cl. 423-242.000.

Ekker, Emil: *See—*

Tonokowa, Hiroshi; Ekker, Emil; and Smith, Hubert S., 4,823,981, Cl. 220-414.000.

Tonokowa, Hiroshi; Ekker, Emil; and Smith, Hubert S., 4,869,762, Cl. 156-186.000.

Eklof, Mats; Granlund, Eje; and Wikner, Gunnar, to GOMEX VERKTYG AB. Circular saw blade. 4,867,025, 9-19-89, Cl. 83-835.000.

Eklund, Erik. Rotator. 4,821,596, 4-18-89, Cl. 74-479.000.

Eklund, Klas H., to Power Integrations, Inc. High voltage MOS transistors. 4,811,075, 3-7-89, Cl. 357-46.000.

Eklund, Robert H., to Texas Instruments Incorporated. Method for forming oxide-capped trench isolation. 4,835,115, 5-30-89, Cl. 437-38.000.

Eklund, Robert H., to Texas Instruments Incorporated. Method of making laterally oriented Schottky diode. 4,874,714, 10-17-89, Cl. 437-39.000.

Eklund, Robert H.: *See—*

Havemann, Robert H.; and Eklund, Robert H., 4,835,580, Cl. 357-15.000.

Eklund, Sven L.: *See—*

Strand, Bengt N. G.; and Eklund, Sven L., 4,850,759, Cl. 408-239.00A.

Eklund, Vidar; Fors, Jan; Mandell, Leo; Meinander, Kerstin; Selin, Johan-Fredrik; and Turunen, Olli T., to Neste Oy. Method of lowering the carbamate content of cellulose carbamate products using a base/alkali metal salt mixture. 4,861,874, 8-29-89, Cl. 536-32.000.

Ekman, Bo; and Lindahl, Ake, to Norsk Hydro A.S. Method for producing small, spherical polymer particles. 4,822,535, 4-18-89, Cl. 264-4.300.

Ekman, Bo M.: *See—*

Lindahl, Ake R.; and Ekman, Bo M., 4,824,678, Cl. 424-473.000.

Ekman, Kjell R. Coupling arrangement. 4,848,728, 7-18-89, Cl. 251-149.600.

Ekman, Kjell R. Female coupling component for a quick coupling. 4,865,292, 9-12-89, Cl. 251-149.600.

Ekmann, James M.: *See—*

Mathur, Mahendra P.; and Ekmann, James M., 4,829,246, Cl. 324-204.000.

Yeh, James T.; Ekmann, James M.; Pennline, Henry W.; and Drummond, Charles J., 4,878,442, Cl. 110-345.000.

Ekowicki, Robert; and Watson, Richard C., to GTE Products Corporation. Controlled cycling thermal protector. 4,823,104, 4-18-89, Cl. 337-102.000.
Ekowicki, Robert L., to GTE Products Corporation. Overtemperature protector for incandescent lamp. 4,837,655, 6-6-89, Cl. 361-103.000.
Eksell, Erik L.; and Haglund, Artur L., to Allied Engineering Company S.A. Seat belt buckle. 4,870,726, 10-3-89, Cl. 24-636.000.
Ekstedt, Edward E.: *See—*
  Gleason, Clifford C., deceased; and Ekstedt, Edward E., 4,838,029, Cl. 60-732.000.
Ekstein, Penny S., to P.S.E. Marketing, Inc. Pillow book. 4,853,994, 8-8-89, Cl. 5-437.000.
Ekstrand, John, to Spectra-Physics, Inc. Shunt switched resistor regulator with diode snubber. 4,814,966, 3-21-89, Cl. 363-89.000.
Ekstrand, John, to Spectra Physics, Inc. Switched resistor regulator with diode-snubber for parasitic inductance in switched resistor. 4,816,741, 3-28-89, Cl. 323-297.000.
Ekstrand, Per-Olof S. Improved adjustment means for sighting instrument. 4,859,058, 8-22-89, Cl. 356-251.000.
Ekstrom, Allan D.: *See—*
  Ekstrom, Regner A.; Ekstrom, Ronald E.; Ekstrom, Walter E.; and Ekstrom, Allan D., 4,819,249, Cl. 374-1.000.
Ekstrom, Bernt: *See—*
  Hertzberg, Tommy H.; and Ekstrom, Bernt, 4,824,381, Cl. 439-87.000.
Ekstrom, Claes T., to Sandvik Aktiebolag. Ceramic material based on alumina and refractory hard constituents. 4,804,645, 2-14-89, Cl. 501-105.000.
Ekstrom, Jan: *See—*
  Aaltonen, Olli; Martikainen, Antti; Rantala, Borje; Ekstrom, Jan; and Toikka, Osmo, 4,886,528, Cl. 55-158.000.
Ekstrom, Philip A.: *See—*
  Fralick, Richard D.; and Ekstrom, Philip A., 4,876,818, Cl. 43-7.000.
Ekstrom, Regner A.; Ekstrom, Ronald E.; Ekstrom, Walter E.; and Ekstrom, Allan D. Device for determining the accuracy of a thermally-activated instrument. 4,819,249, 4-4-89, Cl. 374-1.000.
Ekstrom, Ronald E.: *See—*
  Ekstrom, Regner A.; Ekstrom, Ronald E.; Ekstrom, Walter E.; and Ekstrom, Allan D., 4,819,249, Cl. 374-1.000.
Ekstrom, Thommy C.; and Ingelstrom, Nils A., to Santrade Ltd. Nitride-based ceramic material. 4,818,635, 4-4-89, Cl. 428-698.000.
Ekstrom, Walter E.: *See—*
  Ekstrom, Regner A.; Ekstrom, Ronald E.; Ekstrom, Walter E.; and Ekstrom, Allan D., 4,819,249, Cl. 374-1.000.
Ektelon: *See—*
  Zech, Ronald G., 4,874,170, Cl. 273-73.00A.
Ekwall, Berndt, to Atlas Copco Aktiebolag. Damping device for a percussion rock drilling machine. 4,871,035, 10-3-89, Cl. 173-139.000.
Ekwall, C. Raymond: *See—*
  Reiter, Ralph H.; and Ekwall, C. Raymond, 4,857,571, Cl. 524-248.000.
Ekwall, Christer, to Siemens-Pacesetter, Inc. Sensing margin detectors for implantable electromedical devices. 4,827,934, 5-9-89, Cl. 128-419.0PG.
EL-O-MATIC-USA, Inc.: *See—*
  Groeneveld, Floris J., 4,884,495, Cl. 92-130.00C.
El Paso Products Company: *See—*
  Douglas, Noel L., 4,815,714, Cl. 264-22.000.
  Douglas, Noel L., 4,832,886, Cl. 264-41.000.
  Olah, George A., 4,814,544, Cl. 585-747.000.
El Paso Technologies Company: *See—*
  Lovrenich, Rodger T., 4,858,102, Cl. 364-136.000.
El-Sayed Lyla M.; Schmidt, Steven P.; Trout, Torence J.; and Mitchell, Robert D., to Du Pont de Nemours, E. I., and Company. Liquid electrostatic developers containing modified resin particles. 4,798,778, 1-17-89, Cl. 430-115.000.
Elabd, Hammam, to General Electric Company. Storage registers with charge packet accumulation capability, as for solid-state imagers. 4,803,710, 2-7-89, Cl. 377-60.000.
Elabd, Hammam, to General Electric Company. Extended-width CCD imager array capable of time-delay-integration operation. 4,870,293, 9-26-89, Cl. 250-578.000.
Elam, Dennis C. Handcuff restraining apparatus and method of use. 4,840,048, 6-20-89, Cl. 70-16.000.
Elam, Ronald J. Log splitting toy. 4,834,687, 5-30-89, Cl. 446-4.000.
El-Amawy, Ahmed; and Mirbod, Ali, to Louisiana State University. Microprocessor based controller for a three phase bridge rectifier. 4,797,833, 1-10-89, Cl. 364-483.000.
Elan Corporation P.L.C.: *See—*
  Panoz, Donald E., 4,822,617, Cl. 424-449.000.
Elan Corporation PLC.: *See—*
  Panoz, Donald E.; and Geoghegan, Edward J., 4,826,688, Cl. 424-458.000.
  Panoz, Donald E.; and Geoghegan, Edward J., 4,863,742, Cl. 424-473.000.
Elan Elektronische Anlagen GmbH: *See—*
  Rutt, Winfried P., 4,806,884, Cl. 332-31.00R.
Eland Corporation P.L.C.: *See—*
  Panoz, Donald E.; and Geoghegan, Edward J., 4,820,521, Cl. 424-458.000.
Elander, Jay C.; and Godfrey, Wayne G., to Honeywell Inc. Method of joining metals of different physical properties. 4,805,280, 2-21-89, Cl. 29-149.5DP.
Elantec: *See—*
  Gross, William H., 4,827,223, Cl. 330-267.000.
  Gross, William H.; and Cecil, James B., 4,878,034, Cl. 330-298.00
  Wright, John W., 4,833,424, Cl. 330-267.000.
  Wright, John W., 4,837,523, Cl. 330-255.000.
Elardi, Salvador C. Garage door security system. 4,794,732, 1-3-89, C 49-280.000.
Elastogran Maschinenbau GmbH: *See—*
  Taubenmann, Peter, 4,818,566, Cl. 422-133.000.
Elastogran Polyurethane GmbH: *See—*
  Becker, Gunther; Reisinger, Gerhard; Taubenmann, Peter; a Lisker, Norbert, 4,865,226, Cl. 222-135.000.
  Liebl, Herbert; Roche, Peter; and Rank, Matthaeus, 4,816,542, C 528-59.000.
Elattar, Azza: *See—*
  Klar, Erhard; and Elattar, Azza, 4,824,984, Cl. 556-472.000.
El-Awar, Nadim: *See—*
  Terasaki, Paul I.; Loon, Jimmy; Hardiwidjaja, Steven; and El-Awar, Nadim, 4,797,475, Cl. 530-387.000.
El-Ayat, Khaled A.; El Gamal, Abbas; and Mohsen, Amr M., to Actel Corporation. Testing apparatus and diagnostic method for use with programmable interconnect architecture. 4,857,774, 8-15-89, C 307-465.000.
El-Ayat, Khaled A.: *See—*
  El Gamal, Abbas A.; El-Ayat, Khaled A.; Greene, Jonathan W. Guo, Ta-Pen R.; and Reyneri, Justin M., 4,873,459, C 307-465.000.
Elba-Ordner-Fabrik Kraut & Meienborn GmbH & Co.: *See—*
  Behrens, Dietmar; Hoog, Waldemar; and Zimmermann, Rudolf 4,884,691, Cl. 206-444.000.
Elbaum, Danek. Antiviral amphiphilics. 4,880,836, 11-14-89, C 514-588.000.
Elbaum, Marek; Gutkowicz-Krusin, Dina; and Nowakowski, Jerzy, to Riverside Research Institute. Self referencing ambiguity free holography. 4,889,398, 12-26-89, Cl. 350-3.670.
Elbe, Hans-Ludwig; Jautelat, Manfred; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, to Bayer Aktiengesellschaft. Combating fungi with novel azolyl-tetrahydrofuran-2-ylidene-methanes. 4,798,899, 1-17-89, Cl. 548-262.000.
Elbe, Hans-Ludwig; Stetter, Jorg; Buchel, Karl H.; Schaller, Klaus; and Plempel, Manfred, to Bayer Aktiengesellschaft. Novel substituted hydroxyalkyl-azole antimycotic agents. 4,806,559, 2-21-89, C 514-383.000.
Elbe, Hans-Ludwig; and Holmwood, Graham, to Bayer Aktiengesellschaft. Process for the preparation of 5-acylpyrimidines. 4,806,644 2-21-89, Cl. 544-335.000.
Elbe, Hans-Ludwig; and Lantzsch, Reinhard, to Bayer Aktiengesellschaft. Hydroxybenzaldoxime O-ethers. 4,845,287, 7-4-89, C 564-256.000.
Elbe, Hans-Ludwig; Holmwood, Graham; Regel, Erick; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, to Bayer Aktiengesellschaft. 1,3-Diazolyl-2-propanols as fungicidal agents. 4,870,092, 9-26-89, Cl. 514-383.000.
Elbe, Hans-Ludwig; Dutzmann, Stefan; and Reinecke, Paul, to Bayer Aktiengesellschaft. Pesticides based on pyrimidine derivatives 4,877,446, 10-31-89, Cl. 71-92.000.
Elbe, Hans-Ludwig; Buchel, Karl H.; Schaller, Klaus; and Plempel, Manfred, to Bayer Aktiengesellschaft. Substituted hydroxyalkyl-azoles and their use as antimycotics. 4,879,385, 11-7-89, C 514-383.000.
Elbe, Hans-Ludwig: *See—*
  Lantzsch, Reinhard; Ziemann, Heinz; and Elbe, Hans-Ludwig, 4,845,288, Cl. 564-256.000.
Elben, Ulrich: *See—*
  Greve, Wilfried; Elben, Ulrich; Rudolph, Karl; and Schindler, Ursula, 4,859,663, Cl. 514-212.000.
Elbert, Hubert F.; and March-Force, Gary, to Apex Microtechnology Corporation. Environmental testing facility for electronic components. 4,871,965, 10-3-89, Cl. 324-158.00F.
Elbert, Lawrence E.; Mazza, John C.; and Hecker, Raymond L., to Baxter Travenol Laboratories, Inc. Liquid light tube end cap assembly. 4,801,187, 1-31-89, Cl. 350-96.150.
Elbicki, Janean M. Liquid crystal nondestructive inspection of magnetization and variations in magnetization of high energy magnets 4,806,858, 2-21-89, Cl. 324-205.000.
Elbit Computers Ltd.: *See—*
  Ziph, Leah; and Ghilai, Shay, 4,818,065, Cl. 350-174.000.
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  Prucnal, Paul R.; Elby, Stuart DS.; and Harstead, Edward E. 4,887,879, Cl. 350-96.150.
Elceser, Henry W.: *See—*
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Elchinger, Othon: *See—*
  Ludwig, Marcel; Schoen, Robert; and Elchinger, Othon, 4,880,103, Cl. 198-4[illegible].000.
Elco Co., Ltd.: *See—*
  Yagi, Hiroshi, 4,798,538, Cl. 434-262.000.
Elco Industries, Inc.: *See—*
  Hagan, Robert A.; and Reinwall, Ernest W., 4,840,083, C 74-574.000.
  Reinwall, Ernest W.; and Hagan, Robert A., 4,833,938, C 74-574.000.
  Reinwall, Ernest W., 4,875,818, Cl. 411-369.000.
  Wilburn, Douglas H., 4,801,230, Cl. 411-61.000.
Elcock, Kenneth W. A.: *See—*
  McKie, Peter; and Elcock, Kenneth W. A., 4,855,171, C 428-40.000.

Elcon Products International Company: *See—*
  Matthews, Russell H., 4,824,380, Cl. 439-78.000.
  Matthews, Russell H., 4,854,899, Cl. 439-724.000.
Elcor Corporation: *See—*
  Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., 4,854,955, Cl. 62-24.000.
  Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., 4,869,740, Cl. 62-24.000.
  Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., 4,889,545, Cl. 62-24.000.
Eldec Corporation: *See—*
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  Cheng, Wenche W.; and Elder, George G., 4,816,089, Cl. 148-127.000.
  Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.
Elder, James W.; and Parker, Robert A., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Majesty's Government of the. Track link adhesion pad assembly. 4,842,345, 6-27-89, Cl. 305-35.00R.
Elder, Jerome E.; and Mosman, Nancy L., to Minnesota Mining and Manufacturing Company. Disc dispenser. 4,875,609, 10-24-89, Cl. 225-13.000.
Elder, Joseph M., Jr.: *See—*
  Golladay, James D.; and Elder, Joseph M., Jr., 4,804,944, Cl. 340-624.000.
Elder, Quintin J. Methods and apparatus for providing an improved sailboat and hull structure therefor. 4,813,366, 3-21-89, Cl. 114-61.000.
Elder, William H.; Hansen, Ries B.; and Olivier, Andre W., to Mechanical Backrest, Inc. Mechanical backlift. 4,853,990, 8-8-89, Cl. 5-71.000.
Elderbroom, Fred: *See—*
  Chou, Tzeyang J.; Ma, Marshall; Flatau, Ralph; and Elderbroom, Fred, 4,868,651, Cl. 358-111.000.
Eldering, Charles: *See—*
  Kowel, Stephen T.; Matloff, Norman; and Eldering, Charles, 4,813,772, Cl. 350-388.000.
Elderton, Peter P., to ITT Corporation. Leak detection system for storage tanks. 4,862,734, 9-5-89, Cl. 73-49.200.
Eldex Laboratories, Inc.: *See—*
  Durrum, Emmett L.; Amendola, Stephen; and Erickson, Bruce W., 4,861,866, Cl. 530-333.000.
Eldin, Sameer H.; and Grieshaber, Peter, to Ciba-Geigy Corporation. Crosslinkable polyether-amide. 4,851,494, 7-25-89, Cl. 528-170.000.
Eldin, Sameer H.: *See—*
  Flury, Peter; Eldin, Sameer H.; Roth, Martin; and Rabener, Claus W., 4,855,367, Cl. 525-507.000.
  Roth, Martin; Flury, Peter; and Eldin, Sameer H., 4,888,402, Cl. 526-262.000.
Eldon, James B.: *See—*
  Hannah, Bruce R.; Eldon, James B.; Armstrong, Eric J.; Smith, Harold A.; and Campbell, Philip J., 4,826,123, Cl. 248-248.000.
Eldon, John: *See—*
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Eldor, Amiram: *See—*
  Vlodavsky, Israel; Eldor, Amiram; Naparstek, Yaakov; and Cohen, Irun R., 4,882,318, Cl. 514-56.000.
Eldorado Cartridge Corporation: *See—*
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  Oxford, Alexander W.; Coates, Ian H.; Bays, David E.; Webb, Colin F.; Dowle, Michael D.; Mills, Keith; and Eldred, Colin D., 4,855,314, Cl. 514-415.000.
Eldredge, Donald W.; and Milam, Billy R., to United States of America, Air Force. Afterburner flameholder construction. 4,815,283, 3-28-89, Cl. 60-261.000.
Eldridge, Gerald E.; and Visseau, Gary A., to Eldridge, Visseau Incorporated. Stationary ceramic couch device with water spray cleaning nozzles. 4,880,500, 11-14-89, Cl. 162-279.000.
Eldridge, Jerome M.: *See—*
  Campbell, Alan S.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, 4,870,433, Cl. 346-140.00R.
  Durbeck, Robert C.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, 4,847,636, Cl. 346-140.00R.
Eldridge, John D., Jr. Window shade apparatus. 4,886,104, 12-12-89, Cl. 160-370.200.
Eldridge, John W.: *See—*
  Desbiens, Donald J.; Eldridge, John W.; and Howell, Paul J., 4,849,344, Cl. 437-31.000.
Eldridge, Lawrence B., to Adolph Coors Company. Pull tab force measuring apparatus. 4,850,230, 7-25-89, Cl. 73-835.000.
Eldridge, Paul M.: *See—*
  Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.
Eldridge, Robert E., to Hughes Aircraft Company. Electrodes for transversely excited gas lasers. 4,833,686, 5-23-89, Cl. 372-87.000.
Eldridge, Visseau Incorporated: *See—*
  Eldridge, Gerald E.; and Visseau, Gary A., 4,880,500, Cl. 162-279.000.
Eleanor Roosevelt Institute for Cancer Research, Inc.: *See—*
  Anderson, David W., 4,822,735, Cl. 435-68.000.
  Anderson, David W., 4,840,934, Cl. 514-2.000.
Electicite de France (Service National): *See—*
  Donati, Jean R.; Guttmann, Daniele; Rouillon, Yves; Paul, Pierre S.; and Zacharie, Guy, 4,877,465, Cl. 148-428.000.
Electo-Galil Ltd.: *See—*
  Gilboa, Ronnie, 4,814,595, Cl. 235-492.000.
Electraflo Technology Corp.: *See—*
  Gaudreau, Paul D.; Hickling, J. Gordon; and Schachter, Howard E., 4,860,460, Cl. 34-26.000.
Electric Eel Manufacturing Co., Inc.: *See—*
  Hale, C. David, 4,887,929, Cl. 403-328.000.
Electric Industry Co., Ltd.: *See—*
  Tanoshima, Katsuhide; and Nagasawa, Hikoshi, 4,890,230, Cl. 364-419.000.
Electric Power Research Institute Inc.: *See—*
  Alexion, Christopher C.; Slepian, Robert M.; and Nathenson, Richard D., 4,808,080, Cl. 417-50.000.
  Altman, Ralph F.; Gooch, John P.; Dismukes, Edward B.; and Landham, Edward C., Jr., 4,872,887, Cl. 55-5.000.
  Bernard, Thomas E.; Sherwin, Gary W.; Kenney, William L., Jr.; and Lewis, Debra A., 4,883,063, Cl. 128-670.000.
  Blatchley, Charles C.; Sioshansi, Piran; Leyse, Robert H.; and Scheibel, John R., 4,835,390, Cl. 250-356.100.
  Brooks, Boyd P.; and Lee, Robert A. S., 4,816,987, Cl. 364-165.000.
  Dighe, Shyam V.; Buczkowski, Bradley A.; Peck, Walter J.; Katz, Seymour; and Provis, William H., 4,828,607, Cl. 75-10.220.
  Dighe, Shyam V.; and Taylor, Raymond F., 4,853,033, Cl. 75-10.220.
  Emery, Franklin T.; and Harrold, Ronald T., 4,853,818, Cl. 361-33.000.
  Feather, Landis E.; Girgis, Ramsis S.; McCormick, Leach S.; and Sletten, Andreas M., 4,859,978, Cl. 336-186.000.
  Feather, Landis E.; Martincic, Paul W.; Holm, Richard D.; and Thompson, Richard E., 4,864,266, Cl. 336-150.000.
  Fisher, David J., 4,873,056, Cl. 422-61.000.
  Glover, Robert L.; and Bland, Verle V., 4,809,537, Cl. 73-29.000.
  Hadano, Yoshikazu; Tsunoda, Eiji; and Kajigaya, Ichiro, 4,873,827, Cl. 60-646.000.
  Hart, George W.; Kern, Edward C., Jr.; and Schweppe, Fred C., 4,858,141, Cl. 364-483.000.
  Hedin, Ronald A., 4,808,843, Cl. 307-105.000.
  Hemmat, Naim S., 4,843,692, Cl. 29-157.00C.
  Herscovici, Calman, 4,818,741, Cl. 502-101.000.
  Jalan, Vinod; and Frost, David G., 4,795,684, Cl. 429-44.000.
  Janiak, Jerzy S.; Turak, Ali A.; Pawlak, Wanda; and Ignasiak, Boleslaw L., 4,854,940, Cl. 44-620.000.
  Lee, Robert A. S., 4,827,953, Cl. 134-172.000.
  Levy, Sheldon L., 4,798,690, Cl. 264-1.700.
  Limuti, Donald; and Ross, James M., 4,809,150, Cl. 363-21.000.
  Lin, Kou C.; Burkhardt, Charles E.; and Corbett, Paul P., 4,809,411, Cl. 29-605.000.
  Murphy, Richard J.; and Baker, Glenn D., 4,827,259, Cl. 341-123.000.
  Nathenson, Richard D.; Alexion, Christopher C.; and Sumpman, Wayne C., 4,802,531, Cl. 165-104.280.
  Ohriner, Evan K.; Whelan, Edward P.; Wada, Tsuguyasu; and Ocken, Howard, 4,803,045, Cl. 420-57.000.
  Pyne, John, Jr.; Stewart, Dorothy L.; Fredrickson, James K.; and Cohen, Martin S., 4,882,274, Cl. 435-68.000.
  Schulz, Max W., Jr.; Grabkowski, Stephen E.; and Kliman, Gerald B., 4,808,[illegible]32, Cl. 324-545.000.
  Temple, Victor A. K., 4,885,630, Cl. 357-71.000.
  Turner, Arthur P. L.; and Ward, S. Robert, 4,801,422, Cl. 376-260.000.
  Udren, Eric A., 4,862,308, Cl. 361-45.000.
  Yokoyama, Yoichi; Hamaguchi, Hiroaki; Kondo, Kideya; Kunimoto, Youichi; and Yano, Manabu, 4,855,701, Cl. 335-230.000.
  Youd, T. Leslie; and Jackson, Garrett O., 4,840,230, Cl. 166-382.000.
Electrical Equipment, Inc.: *See—*
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  Golowash, Victor, 4,806,716, Cl. 200-244.000.
Electrical Generation Technology, Inc.: *See—*
  Tindell, Gene, 4,841,731, Cl. 60-641.800.
Electrical & Musical Industries Limited: *See—*
  Voles, Roger, 4,857,934, Cl. 342-90.000.
Electricite de France: *See—*
  Baize, Dominique; Cleand, Maurice; and Minard, Serge, 4,800,484, Cl. 364-200.000.
  Carnel, Alain, 4,881,072, Cl. 340-870.020.
  Feron, Paul; and Tougne, Daniel, 4,888,495, Cl. 307-39.000.
  Haas, Jean-Luc; Deymie, Beruard; Millet, Pierre; and Billon, Michel, 4,844,912, Cl. 426-46.000.
  Javme, Richard, 4,862,137, Cl. 338-237.000.
Electricite de France Service National: *See—*
  Berthet, Olivier; Greffet, Jean-Jacques; and Denayrolles, Yves, 4,799,788, Cl. 356-45.000.
  Druelle, Philippe; Vidal, Pierre; Saglio, Robert; and Tocci, Jean-Louis, 4,821,545, Cl. 72-53.000.
  Gemma, Antoine, 4,883,576, Cl. 204-224.00M.
  Lebrun, Bernard; and Couvrat-Desvergnes, Alexandre, 4,848,992, Cl. 55-410.000.
  Malhouitre, Guy; Israel, Mathieu; and Gambier, Gerard, 4,818,474, Cl. 376-267.000.
  Oberlin, Claude; and Le Bras, Jean, 4,830,052, Cl. 137-68.100.

- Pasquini, Pierre; Labrot, Maxime; Serrano, Jean-Pierre; and Pineau, Didier, 4,847,466, Cl. 219-121.590.

Electricity Council, The: *See—*
- Aubrey, David R.; and Jameson, Ian, 4,797,775, Cl. 361-93.000.
- Griffith, John T., 4,843,201, Cl. 219-10.491.
- Lillicrap, Douglas C., 4,805,669, Cl. 137-827.000.

Electricity Trust of South Australia: *See—*
- Foord, Peter M., 4,868,539, Cl. 340-310.00A.

Electrix, Inc.: *See—*
- Shwisha, Haim, 4,828,505, Cl. 439-119.000.

Electro Acustica S.A.: *See—*
- Bittencourt, Helio T., 4,845,776, Cl. 381-190.000.

Electro Alloys Corp.: *See—*
- Levine, Samuel W., 4,835,067, Cl. 428-669.000.

Electro-Biology, Inc.: *See—*
- Gardner, Arthur M. N.; and Fox, Roger H., 4,841,956, Cl. 128-64.000.

Electro Corporation: *See—*
- Boozer, James M.; and Mayer, Robert W., 4,845,682, Cl. 367-93.000.

Electro Erg Limited: *See—*
- Szabo, Leslie I., 4,885,526, Cl. 322-66.000.

Electro-Matic Products Co.: *See—*
- Armond, Joseph A., 4,825,331 Cl. 361-151.000.
- Armond, Joseph A.; and Rodenas, Jaunito, 4,843,516, Cl. 361-145.000.
- Armond, Joseph A., 4,887,184, Cl. 361-149.000.

Electro-Mechanical Products: *See—*
- Burgess, James P.; and Pearson, David J., 4,809,199, Cl. 364-550.000.

Electro-Mechanics, Inc.: *See—*
- Gryk, Leon, 4,812,778, Cl. 330-51.000.

Electro Minerals (Canada) Inc.: *See—*
- Seider, Robert J.; Guichelaar, Philip J.; and Anderson, Robert O., 4,810,368, Cl. 209-2.000.

Electro-Nite Company: *See—*
- Conti, Richard, 4,842,418, Cl. 374-139.000.
- Cure, Omer P., 4,850,572. Cl. 266-44.000.

Electro-Organic Company: *See—*
- Carew, Evan B., 4,807,991, Cl. 356-72.000.
- Carew, Evan B., 4,834,911, Cl. 252-500.000.

Electro-Plasma, Inc.: *See—*
- Muehlberger, Erich; and de la Vega, Robert P., 4,808,042, Cl. 406-66.000.
- Muehlberger, Erich; and Sickinger, Albert, 4,877,640, Cl. 427-34.000.

Electro Sound, Inc.: *See—*
- Cooper, J. Carl; and Yu, John P., 4,866,543, Cl. 360-15.000.
- Cooper, J. Carl; and Yu, John P., 4,872,070, Cl. 360-15.000.

Electro-Technic Products, Inc.: *See—*
- Siegal, Burton L., 4,882,543, Cl. 324-460.000.

Electro-Voice, Incorporated: *See—*
- Jackson, Gregory D., 4,824,715, Cl. 428-172.000.

Electrodyne Company, Inc., The: *See—*
- Blume, Walter S., Jr.; and Blume, Walter S., III, 4,873,504, Cl. 335-303.000.

Electrofilm, Inc.: *See—*
- Handley, Jerome D., 4,797,536, Cl. 219-494.000.

Electrohome Limited: *See—*
- Johnson, Richard H.; Kykta, Martin A.; and Jarrett, Steven M., 4,827,334, Cl. 358-60.000.
- Tavernetti, Russell E., 4,868,668, Cl. 358-237.000.

Electrolux Constructor Aktiebolag: *See—*
- Andersson, Olof I., 4,801,026, Cl. 211-183.000.
- Andersson, Olof I., 4,821,649, Cl. 108-107.000.
- Back, Anders S., 4,834,607, Cl. 414-267.000.

Electrolux Motor Aktiebolag: *See—*
- Johansson, Mats, 4,800,650, Cl. 30-389.000.

Electrolytic Zinc Company of Australia Limited: *See—*
- Newman, Oliver M. G.; Bond, Alan M.; and Knight, Roger W., 4,804,443, Cl. 204-1.00T.

Electromagnetic Research and Development: *See—*
- Marquiss, Stanley L., 4,856,071, Cl. 381-203.000.

Electromagnetic Sciences, Inc.: *See—*
- Alverson, William K.; and Ruller, James A., 4,884,045, Cl. 333-158.000.
- Hoover, John C.; and Giese, David E., 4,801,902, Cl. 333-1.100.

Electron Microscope Supplies Corporation: *See—*
- Bess, Coleman, 4,871,480, Cl. 252-645.000.

Electronic Components Limited: *See—*
- Matthews, Maurice A., 4,808,120, Cl. 439-357.000.

Electronic Control Systems, Inc.: *See—*
- King, Lael D., 4,867,261, Cl. 180-179.000.
- King, Lael D., 4,887,684, Cl. 180-179.000.

Electronic Instrument & Specialty Corp.: *See—*
- Kahr, Rene A., 4,809,772, Cl. 165-80.300.

Electronic Instrumentation and Technology, Inc.: *See—*
- May, Joe T.; and Casacia, Edward A., 4,841,156, Cl. 250-461.100.

Electronic Interconnections Corp.: *See—*
- Brandeau, Edward P., 4,829,668, Cl. 29-861.000.

Electronic Power Devices, Corp.: *See—*
- Podrazhansky, Yury; and Popp, Phillip W., 4,829,225, Cl. 320-14.000.

Electronic Research Group, Inc.: *See—*
- Brewer, David C.; Lindberg, Conrad P.; and Lindberg, Paul M., 4,860,185, Cl. 363-41.000.
- Silva, Donald M.; Silva, Leroy F.; and Fehsenfeld, Fred M., Sr., 4,876,638, Cl. 363-97.000.

Electronic Warfare Associates, Inc.: *See—*
- Guerreri, Carl N., 4,884,506, Cl. 102-200.000.

Electronic-Werke Deutschland GmbH: *See—*
- Mertz, Pascal; Thiele, Karl-Heinz A. A. O.; and Stehn, Werner, 4,866,780, Cl. 381-188.000.

Electronica San Giorgio - ELSAG S.p.A.: *See—*
- Barbagelata, Giuseppe; Conterno, Bruno; Luperini, Vildo; Perroni, Enrico; Pesce, Fernando; and Pugliese, Osvaldo, 4,814,970, Cl. 364-200.000.

Electronics For Industry, Ltd.: *See—*
- Pratolongo, Modesto, 4,869,160, Cl. 99-330.000.

Electronics, Inc.: *See—*
- Brint, Gary T.; Bungardt, Gabriele; Gedecke, Jerel C.; Harris, Robert L.; and Kraz, Vladimir, 4,876,712, Cl. 379-387.000.

Electronique Serge Dassault: *See—*
- Balet, Daniel; Chiomento, Renzo; Beaulieu, Louis; and Poncel, Yves, 4,873,571, Cl. 358-93.000.
- Domenget, Jean-Pierre; and Lorec, Gerard, 4,816,978, Cl. 363-21.000.
- Gaucher, Michel M., 4,851,651, Cl. 235-380.000.
- Maitre, Bernard; and Schaub, Marie-Francoise, 4,847,622, Cl. 342-110.000.
- Ouvrard, Pierre-Louis; and Dueme, Philippe, 4,885,562, Cl. 333-139.000.
- Pailler, Alain L., 4,812,060, Cl. 400-82.000.

Electroplating Engineers of Japan, Limited: *See—*
- Sugita, Noriyuki, 4,880,511, Cl. 204-151.000.
- Tezuka, Junichi; Kishi, Takaaki; and Murata, Yasuto, 4,851,902, Cl. 358-101.000.

Electropore, Inc.: *See—*
- Marshall, John, III, 4,849,089, Cl. 204-299.00R.

ElectroScan Corporation: *See—*
- Danilatos, Gerasimos D.; and Lewis, George C., 4,823,006, Cl. 250-310.000.
- Lambert, Kenneth, 4,857,743, Cl. 250-505.100.
- Mancuso, James F.; Maxwell, William B.; and Danilatos, Gerasimos D., 4,880,976, Cl. 250-310.000.

Electrospace Systems, Inc.: *See—*
- Schwarz, Helmut E., 4,837,576, Cl. 342-77.000.

Electrostatic Technology Incorporated: *See—*
- Hajek, Bedrich, 4,808,432, Cl. 427-32.000.

Electrosynthesis Company, Inc., The: *See—*
- Bolster, Mary-Elizabeth; Mazur, Duane J.; and Weinberg, Norman L., 4,835,074, Cl. 429-43.000.

Electrothermal Engineering Ltd.: *See—*
- Brooks, John F.; and Farnese, Paul L., 4,808,796, Cl. 219-385.000.

Electrovac, Fabrikation, Elektrotechnischer Spezialartike: *See—*
- Bayer, Helmut; and Sekira, Peter, 4,861,954, Cl. 200-284.000.

Electrovac, Fabrikation Elektrotechnischer Spezialartikel Gesellschaft m.b.H.: *See—*
- Bayer, Helmut, 4,825,186, Cl. 337-360.000.
- Bayer, Helmut, 4,889,971, Cl. 219-449.000.

Electrovert Limited: *See—*
- Chartrand, Raymond J.; and Deambrosio, Carlos A., 4,796,558, Cl. 118-74.000.
- Deambrosio, Carlos; and Morris, James M., 4,886,201, Cl. 228-37.000.
- Deambrosio, Carlos A., 4,802,617, Cl. 228-180.100.

Elekes, Istvan: *See—*
- Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
- Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.
- Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,948, Cl. 514-221.000.
- Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.

Elektra-Beckum Lubitz & Co.: *See—*
- Lubitz, Klaus; and Suttner, Wolfgang, 4,824,335, Cl. 417-360.000.

Elektro-Brite GmbH & Co. KG: *See—*
- Kurze, Werner; and Klos, Klaus-Peter, 4,820,388, Cl. 204-44.200.

Elektro-Thermit GmbH: *See—*
- Guntermann, Johannes; and Macrae, Donald R., 4,830,611, Cl. 432-225.000.

Elektroschmelzwerk Kempten GmbH: *See—*
- Matje, Peter; and Diesch-Muller, Stefanie, 4,814,302, Cl. 501-96.000.
- Schwetz, Karl-Alexander; Grellner, Wolfgang; Hunold, Klaus; Mohr, Max; and Lipp, Alfred, 4,803,183, Cl. 501-96.000.
- Sindlhauser, Peter; Hunold, Klaus; and Lipp, Alfred, 4,885,264, Cl. 501-87.000.
- Steinmann, Detlef; and Lipp, Alfred, 4,814,301, Cl. 501-92.000.

Elenbaas, George H. Mercury tilt switch and method of manufacture. 4,797,519, 1-10-89, Cl. 200-226.000.

Elescon, Inc.: *See—*
- Lasdon, Lloyd; Krohn, Harvey; and Lasdon, Stuart, 4,828,868, Cl. 426-633.000.

Elesh, James N.; and Martelli, Arthur J., to Flexi-Mat Corporation. Pillow mattress. 4,843,666, 7-4-89, Cl. 5-447.000.

Elettronica San Giorgio - ELSAG S.p.A.: *See—*
- Barbagelata, Giuseppe; and Giuliano, Ercole, 4,821,108, Cl. 358-282.000.

Elettronica Trentina S.p.A.: *See—*
- Castelli, Arrigo, 4,809,700, Cl. 128-644.000.

Elevator GmbH: *See—*
- Ovaska, Seppo, 4,797,675, Cl. 342-28.000.

Elevator Performance Technologies, Inc.: *See—*
- McKinney, Robert C.; Perry, Lloyd F.; and Boden, Scott T., 4,823,914, Cl. 187-133.000.

Elex Analytical Technologies Corp.: *See—*
- Rosen, John F.; Slatkin, Daniel N.; and Wielopolski, Lucian, 4,845,729, Cl. 378-45.000.

Elexis Corporation: *See—*
- Bianco, Frank J., 4,855,942, Cl. 364-561.000.

Eley, David L., to Greenlee Textron Inc. Variable speed motor control. 4,823,057, 4-18-89, Cl. 318-432.000.

Eley Limited: *See—*
- Morris, James P., 4,850,259, Cl. 86-31.000.

ELF France: *See—*
- Battmann, Jean-Claude; Brochard, Gerard; Charamnac, Jean-Marie; Finas, Roland; and Pietri, Vincent, 4,864,603, Cl. 379-106.000.
- Chassagneux, Evelyne M.; and Thomas, Gerard A., 4,844,943, Cl. 427-34.000.
- Damin, Bernard; Eber, Daniele; Hoornaert, Pierre; and Rey, Claude, 4,834,892, Cl. 252-32.70E.
- de Cortanze, Andre , 4,834,408, Cl. 280-96.100.
- Demangeon, Francis; and Lopez, Emile, 4,879,326, Cl. 524-61.000.
- Fajula, Francois; Figueras, Francois; Gueguen, Claude; and Dutartre, Roger, 4,847,224, Cl. 502-67.000.
- Fayard, Jean-Claude, 4,850,327, Cl. 123-557.000.
- Nocca, Jean-Luc; Leonard, Jacques; Gaillard, Jean-Ferdinand; and Amigues, Pierre, 4,847,431, Cl. 568-197.000.
- Quang, Dang Vu; Amigues, Pierre; Gaillard, Jean-Ferdinand; Leonard, Jacques; and Nocca, Jean-Luc, 4,847,430, Cl. 568-697.000.
- Trema, Daniel, 4,805,717, Cl. 180-219.000.
- Trema, Daniel, 4,810,039, Cl. 301-9.0CN.
- Trema, Daniel, 4,834,412, Cl. 280-276.000.
- Trema, Daniel, 4,877,097, Cl. 180-357.000.
- Trema, Daniel, 4,884,663, Cl. 188-18.00A.

ELF France Society Anonyme: *See—*
- Aurelle, Yves; Bernasconi, Christian; Besombes-Vailhe, Jean; Julien, Edmond; and Roques, Henri, 4,889,537, Cl. 44-53.000.

Elf Isolation: *See—*
- Couderc, Pierre; and Corbel, Henri, 4,854,845, Cl. 425-363.000.

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- Mattila, Timo; and Elf, Juha, 4,885,461, Cl. 250-223.00B.

Elfab Corporation: *See—*
- Kendall, Jerry A.; and Webb, David M., 4,878,861, Cl. 439-751.000.

El-Fakahany, Esam E., to Miles Inc. Suppression of withdrawal symptoms in opioid-induced tolerance or dependence. 4,797,410, 1-10-89, Cl. 514-356.000.

Elfenbein, Bettye. Applying liquid adhesive to upper eyelid to counteract drooping. 4,854,307, 8-8-89, Cl. 128-76.500.

Elff, Manfred; Pfeiffer, Wilfried G.; Schwieker, Horst-Hartwig; and Christiansen, Dieter H. C., to U.S. Philips Corporation. Lithotripsy workstation. 4,872,193, 10-3-89, Cl. 378-196.000.

Elflein, Reinhold: *See—*
- Kurz, Rolf; and Elflein, Reinhold, 4,862,834, Cl. 122-13.00R.

Elfline, Geraldine S., to Iso-Clear Systems Corporation. Removal of heavy metals and heavy metal radioactive isotopes from liquids. 4,800,024, 1-24-89, Cl. 210-665.000.

Elfman, Brian P.; and Zajac, Patricia L., to Autosense Corporation. Breath alcohol analyzer. 4,809,810, 3-7-89, Cl. 180-272.000.

Elford, David: *See—*
- Trevelyan, James P.; Elford, David; Ong, Michael C. H.; and Kovesi, Peter D., 4,862,759, Cl. 74-417.000.

El Gamal, Abbas: *See—*
- El-Ayat, Khaled A.; El Gamal, Abbas; and Mohsen, Amr M., 4,857,774, Cl. 307-465.000.

El Gamal, Abbas A.; El-Ayat, Khaled A.; Greene, Jonathan W.; Guo, Ta-Pen R.; and Reyneri, Justin M., to Actel Corporation. Programmable interconnect architecture. 4,873,459, 10-10-89, Cl. 307-465.000.

Elgarden Aktiengesellschaft: *See—*
- Jansen, Jozef, 4,815,973, Cl. 433-181.000.

Elgas, Roger J.: *See—*
- Carson, Gary A.; Elgas, Roger J.; and Gordon, Timothy M., 4,818,490, Cl. 422-46.000.

Elgass, Manfred; and Colucci, Vincent A., to Logus Manufacturing Corp. Rotary actuator. 4,795,929, 1-3-89, Cl. 310-36.000.

Elger, Gordon; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., to Euroceltique S.A. Controlled release pharmaceutical composition. 4,834,985, 5-30-89, Cl 424-488.000.

Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., to Euroceltique S.A. Controlled release pharmaceutical composition. 4,828,836, 5-9-89, Cl. 424-419.000.

Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., to Euroceltique, S.A. Pharmaceutical composition comprising analgesic and anti-inflammatory agent. 4,844,907, 7-4-89, Cl. 424-465.000.

Elger, Walter; Beier, Sybille; Fahnrich, Marianne; Kosub, Beate; Chwalisz, Krzysztof; and Hasan, Syed H., to Schering Aktiengesellschaft. Coadministration of antigestagen and antiestrogen for gynecological disorders, abortion and labor induction. 4,888,331, 12-19-89, Cl. 514-170.000.

Elger, Walter: *See—*
- Chwalisz, Krzysztof; Beier, Sybille; Elger, Walter; and Neef, Guenter, 4,870,067, Cl. 514-171.000.
- Ottow, Eckhard; Wiechert, Rudolf; Neef, Gunter; Beier, Sybille; Elger, Walter; and Henderson, David, 4,814,327, Cl. 514-179.000.
- Ottow, Eckhard; Neef, Guenter; Rohde, Ralph; Wiechert, Rudolf; Beier, Sybille; Elger, Walter; and Henderson, David, 4,829,060, Cl. 514-179.000.
- Ottow, Eckhard; Wiechert, Rudolf; Neef, Guenter; Bardenhagen, Juergen; Beier, Sybille; Elger, Walter; and Henderson, David, 4,870,069, Cl. 514-179.000.
- Vorbruggen, Helmut; Schwarz, Norbert; Loge, Olaf; Sturzebecher, Claus-Steffen; and Elger, Walter, 4,870,104, Cl. 514-530.000.

Elgin, Richard L.: *See—*
- Harris, David J.; and Elgin, Richard L., 4,830,557, Cl. 411-113.000.

Elgin Sweeper Company: *See—*
- Jajko, Robert A.; and Julien, Oliver M., 4,807,327, Cl. 15-346.000.
- Martinez, Mario J., 4,802,549, Cl. 180-322.000.

Elgjo, Kjell; and Reichelt, Karl-Ludvig, to Bio-Tech A/S. Pharmaceutical preparation containing a dipeptide with cell growth regulating effect. 4,868,156, 9-19-89, Cl. 514-19.000.

Elgood, Mark C.; and Jales, Richard J., to Sigmex Limited. Raster graphical display apparatus. 4,829,291, 5-9-89, Cl. 340-703.000.

Elgue, Jean; Oliveau, Olivier; and Peytavy, Jean-Louis, to Societe Nationale Elf Aquitaine (Production). Process and device for selective extraction of H_2S from an H_2S-containing gas. 4,889,700, 12-26-89, Cl. 423-220.000.

El-Hag, Nabil: *See—*
- Shenouda, Soliman; Clausi, Adolph; Rogers, Ann M.; and El-Hag, Nabil, 4,814,193, Cl. 426-321.000.

El-Hamamsy, Sayed A.: *See—*
- Dakin, James T.; and El-Hamamsy, Sayed A., 4,872,741, Cl. 350-345.000.

ElHatem, Abdul M.; and Buhler, Steven A., to Xerox Corporation. On chip conductive fluid sensing circuit. 4,853,718, 8-1-89, Cl. 346-140.00R.

El-Hindi, Lawrence: *See—*
- Barcomb, Lyle B.; and El-Hindi, Lawrence, 4,880,538, Cl. 210-401.000.

Eli-Eco Logic Inc.: *See—*
- Hallett, Douglas J., 4,819,571, Cl. 110-346.000.

Eli, Ilana: *See—*
- Rosenberg, Melvyn; and Eli, Ilana, 4,873,317, Cl. 530-412.000.

Eli Lilly and Company: *See—*
- Ackmann, Stephen A.; Beck, James R.; and Wright, Fred L., 4,801,326, Cl. 71-92.000.
- Anderson, David B.; and Wagner, Jack F., 4,818,531, Cl. 424-111.000.
- Anderson, David B.; Schmiegel, Klaus K.; Veenhuizen, Edward L.; and Tuttle, Ronald R., 4,849,453, Cl. 514-653.000.
- Armour, Henry K.; Kennedy, G. Davon; Koppel, Gary A.; and Scott, William L., 4,814,438, Cl. 536-23.000.
- Baker, Patrick J., 4,874,843, Cl. 530-317.000.
- Beck, James R.; Aikins, James A.; and Tao, Eddie V. P., 4,820,845, Cl. 548-378.000.
- Beedle, Edward E.; and Robertson, David W., 4,835,181, Cl. 514-524.000.
- Birmingham, Virginia A.; and Seno, Eugene T., 4,879,241, Cl. 435-253.500.
- Birmingham, Virginia A.; Cox, Karen L.; and Seno, Eugene T., 4,889,809, Cl. 435-252.300.
- Boisvenue, Rudolph J.; and Crouse, Gary D., 4,870,109, Cl. 514-688.000.
- Bonjouklian, Rosanne; Moore, Richard E.; Mynderse, Jon S.; Patterson, Gregory M. L.; and Smitka, Tim A., 4,870,185, Cl. 548-148.000.
- Bonjouklian, Rosanne; Meade, Christopher J. M.; Mihelich, Edward D.; and Phillips, Michael L., 4,874,782, Cl. 514-473.000.
- Brooks, Norman D.; Kenyon, Rebecca A.; and Vanevenhoven, Peter W., 4,797,275, Cl. 424-78.000.
- Burow, Kenneth W., Jr., 4,801,718, Cl. 548-139.000.
- Carr, F. Patrick; Dillard, Robert D.; Marshall, Winston S.; and McCullough, Doris E., 4,820,722. Cl. 514-381.000.
- Carr, F. Patrick; Dillard, Robert D.; and McCullough, Doris E., 4,853,398, Cl. 514-381.000.
- Carr, F. Patrick; Dillard, Robert D.; and McCullough, Doris E., 4,874,777, Cl. 514-381.000.
- Cohen, Marlene L.; Fuller, Ray W.; Garbrecht, William L.; and Whitten, Kathleen R., 4,810,710, Cl. 514-288.000.
- Conine, James W.; and Stowers, Julian L., 4,797,405, Cl. 514-288.000.
- Cook, Gwendolyn K.; and McDonald, John H., III, 4,820,832, Cl. 540-205.000.
- Cook, Gwendolyn K.; and McDonald, John H., III, 4,855,418, Cl. 540-205.000.

Debono, Manuel; Kirst, Herbert A.; and Leeds, James P., 4,820,694, Cl. 514-30.000.
Debono, Manuel; and Kirst, Herbert A., 4,820,695, Cl. 514-30.000.
De Leon, Jose; Ferguson, Thomas H.; and Skinner, Daniel S., Jr., 4,846,844, Cl. 623-66.000.
DiMarchi, Richard D.; and Long, Harlan B., 4,835,254, Cl. 530-345.000.
Eaton, Tom E.; Ford, Lynda M.; Godfrey, Otis W., Jr.; Huber, Mary L. B.; and Zmijewski, Milton J., Jr., 4,800,157, Cl. 435-71.000.
Fayerman, Jeffrey T.; Jones, Michael D.; Michel, Karl H.; Yao, Raymond C.; and Zmijewski, Milton J., 4,880,735, Cl. 435-71.000.
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Garbrecht, William L.; Marzoni, Gifford P.; and Whitten, Kathleen R., 4,847,261, Cl. 514-288.000.
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Hamill, Robert L.; Nakatsukasa, Walter M.; and Yao, Raymond C., 4,824,863, Cl. 514-460.000.
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Hamill, Robert L.; and Yao, Raymond C., 4,885,170, Cl. 424-117.000.
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Hirsch, Kenneth S.; and Jones, Charles D., 4,801,594, Cl. 514-340.000.
Hirsch, Kenneth S.; and Jones, Charles D., 4,845,227, Cl. 546-276.000.
Ho, Peter P. K.; and Panetta, Jill A., 4,863,923, Cl. 514-443.000.
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Hsiung, Hansen M.; and Smith, Dennis P., 4,795,706, Cl. 435-172.300.
Huber, Floyd M.; Pieper, Richard L.; and Tietz, Anthony J., 4,885,243, Cl. 435-71.300.
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Ingolia, Thomas D.; Queener, Stephen W.; Skatrud, Paul L.; and Wiegel, Barbara J., 4,885,252, Cl. 435-252.300.
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Laguzza, Bennett C.; Nichols, Cynthia L.; and Bach, Nicholas J., 4,801,712, Cl. 546-67.000.
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Mills, Jack; Schmiegel, Klaus K.; and Shaw, Walter N., 4,845,127, Cl. 514-539.000.
Moore, Richard E.; Furusawa, Eiichi; Norton, Ted R.; Patterson, Gregory M. L.; and Mynderse, Jon S., 4,863,955, Cl. 514-450.000.
Morin, John M., Jr.; and Vladuchick, William C., 4,885,362, Cl. 540-364.000.
Paget, Charles J., Jr.; Rieder, Brent J.; Spitzer, Wayne A.; and Wu, Chyun-Yeh E., 4,835,168, Cl. 514-363.000.
Rao, R. Nagaraja; and Stanzak, Richard K., 4,843,002, Cl. 435-172.300.
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Robison, Robert L., 4,885,275, Cl. 514-8.000.
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Shih, Chuan; and Taylor, Edward C., 4,882,334, Cl. 514-258.000.
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Taylor, Edward C.; Harrington, Philip M.; and Shih, Chuan, 4,871,743, Cl. 514-272.000.
Taylor, Edward C.; Hamby, James M.; and Shih, Chuan, 4,871,746, Cl. 514-303.000.
Ternansky, Robert J., 4,795,815, Cl. 548-112.000.
Thakkar, Arvind L.; and Gibson, Lowell L., 4,797,286, Cl. 424-456.000.
Thakkar, Arvind L.; and Gibson, Lowell L., 4,847,092, Cl. 424-456.000.
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Eliachar, Isaac, to Cleveland Clinic Foundation. Laryngeal stent. 4,794,924, 1-3-89, Cl. 128-207.160.
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Elias, Harry: *See*—
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Elias, Janet L.; Lee, Chi-Long; and Maxson, Myron T., to Dow Corning Corporation. Low compression set fluorosilicone rubber. 4,882,368, 11-21-89, Cl. 523-213.000.
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Eliasson, Baldur; Erni, Peter; Hirth, Michael; and Kogelschatz, Ulrich, to BBC Brown, Boveri AG. High-power radiator. 4,837,484, 6-6-89, Cl. 313-634.000.
El-Ibiary, Yehia M.: *See*—
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Elidan, Joseph: *See*—
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Elings, Virgil B.; and Gurley, John A., to Digital Instruments, Inc. Positioning device for a scanning tunneling microscope. 4,871,938, 10-3-89, Cl. 310-328.000.
Elings, Virgil B.; and Gurley, John A., to Digital Instruments, Inc. Feedback control for scanning tunnel microscopes. 4,889,988, 12-26-89, Cl. 250-306.000.
Elings, Virgil B.: *See*—
Nicoli, David F.; and Elings, Virgil B., 4,794,806, Cl. 73-863.010.
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Elio Cavagna S.R.L.: *See*—
Cavagna, Elio, 4,823,665, Cl. 83-529.000.
Cavagna, Elio, 4,824,428, Cl. 493-370.000.
Elion, Jonathan L., to University of Kentucky Research Foundation. Dynamic coronary roadmapping. 4,878,115, 10-31-89, Cl. 358-111.000.
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Elisabet, Ingrid Birgitta, nee Jansson, Eva Christina Holm, Claes Frederick Holm, executors: *See*—
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Lee, Wung K.; and Chiao, Stephen S., 4,888,735, Cl. 365-185.000.
Elite Semiconductor & Systems Int'l, Inc.: *See*—
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Elitex: *See*—
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ELITEX koncern textilniho strojirenstvi: *See*—
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Elits, Mirel. Multiple blade safety razor. 4,831,731, 5-23-89, Cl. 30-50.000.
Elizabeth Arden Inc.: *See*—
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Elkin, Alfred A.; and Costa, Sylvestre M., to Plastic Development, Inc. Method of making a jewelry display card. 4,874,446, 10-17-89, Cl. 156-66.000.
Elkins, Dexter J., to Vance Products Incorporated; and Cook Urological Incorporated. Echogenically enhanced surgical instrument and method for production thereof. 4,869,259, 9-26-89, Cl. 128-660.000.
Elkins, Jack D. Vehicle acceleration apparatus. 4,848,134, 7-18-89, Cl. 73-12.000.
Elkins, Johnny C. Remote operated hitch apparatus. 4,804,204, 2-14-89, Cl. 280-512.000.
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Elko, Gary W.; Sondhi, Man M.; and West, James E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Noise reduction processing arrangement for microphone arrays. 4,802,227, 1-31-89, Cl. 381-92.000.
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Eller, Donald G. Wire splice wrapping apparatus and method. 4,832,767, 5-23-89, Cl. 156-53.000.
Eller, J. David; and Ponce, Juan E., to M & W Pump Corporation. Pumping system with desilting arrangement. 4,797,067, 1-10-89, Cl. 417-43.000.
Eller, Thomas D.; and Knapp, Daniel R., to Drug Science Foundation. Aminoalkoxy or carboxyalkoxy derivatives of propranolol for immunoassay applications. 4,795,715, 1-3-89, Cl. 436-542.000.
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Ellig, Daniel L.; and Antos, George J., to UOP. Catalytic process for the conversion of hydrocarbons. 4,870,223, 9-26-89, Cl. 585-419.000.
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Howard, Robert A.; and Elliman, Robert, 4,852,830, Cl. 248-183.000.
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Ellinghorst, Guido; Goetz, Bernd; Niemoeller, Axel; Scholz, Horst; Brueschke, Hartmut E. A.; and Tusel, Guenter, to GFT Gesellschaft fur Trenntechnik mbh. Method for production of solution-diffusion membranes and their application for pervaporation. 4,865,743, 9-12-89, Cl. 210-640.000.
Ellingsen, Olav; and Stabel, Jorgen. Method of recovering evaporable liquids from mud comprising fine grained particles and the evaporable liquids. 4,869,810, 9-26-89, Cl. 208-407.000.
Ellingsen, Olav, to Industrikontakt Ing. O. Ellingsen & Co. Process for increasing the degree of oil extraction. 4,884,634, 12-5-89, Cl. 166-248.000.
Ellingson, Bradley G.: *See*—
Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; Leinum, Virgil D.; and Niemi, Thomas J., 4,834,401, Cl. 280-833.000.
Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; and McClellan, Bruce E., 4,834,572, Cl. 403-316.000.
Ellingson, Chester W., Jr., to Reese Enterprises, Inc. Insert strip for a floor covering structure. 4,879,151, 11-7-89, Cl. 428-53.000.
Ellingson, Frederick J.: *See*—
Wood, John D.; Savinell, Alan; Roth, Charles H., Jr.; Ellingson, Frederick J.; and Dailey, George F., 4,822,554, Cl. 376-261.000.
Ellingsworth, Larry: *See*—
Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,806,523, Cl. 514-2.000.
Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,810,691, Cl. 514-2.000.
Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,843,063, Cl. 514-2.000.
Ellington, David A. Portable concrete hammer. 4,852,661, 8-1-89, Cl. 173-84.000.
Ellington, Joseph C., III, to Systems Craft. Transportable building module. 4,833,841, 5-30-89, Cl. 52-79.100.
Ellington, William E.: *See*—
Matza, Stephen D.; Ellington, William E.; and Fleming, Henry C., III, 4,805,708, Cl. 175-40.000.
Matza, Stephen D.; Ellington, William E.; and Fleming, Henry C., III, 4,840,910, Cl. 436-30.000.
Ellion, M. Edmund; Donatelli, Philip A.; and Wolff, George, to Hughes Aircraft Company. Method for making solid element fluid filter for

removing small particles from fluids. 4,797,175, 1-10-89, Cl. 156-644.000.

Elliot, Donald R., to United Catalyst Inc. Organophilic clay modified with zirconium aluminum organic complexes. 4,866,018, 9-12-89, Cl. 501-148.000.

Elliot, James I.: *See—*

Yamazaki, Hiroshi; Modler, Howard W.; Jones, John D.; and Elliot, James I., 4,871,574, Cl. 426-622.000.

Elliott, Arthur J.: *See—*

Lovey, Raymond G.; and Elliott, Arthur J., 4,877,801, Cl. 548-336.000.

Elliott Brothers (London) Limited: *See—*

Nutton, Martin G., 4,868,652, Cl. 358-113.000.

Elliott, Charles T., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Thermal imaging devices. 4,883,962, 11-28-89, Cl. 250-334.000.

Elliott, Clyde D., to Dimed, Inc. Angioplasty guiding catheters and methods for performing angioplasty. 4,813,930, 3-21-89, Cl. 604-53.000.

Elliott, Clyde D., to Dimed, Inc. Sensing system and method for sensing minute ventilation. 4,858,611, 8-22-89, Cl. 128-419.00P.

Elliott, Clyde D.; and Cohen, Donald M., to Dimed Inc.; and Siemens-Pacesetter, Inc. Method for transvenous implantation of objects into the pericardial space of patients. 4,884,567, 12-5-89, Cl. 128-303.00R.

Elliott, Daniel J., to Webster Electric Company, Inc. Pilot-assisted pressure relief valve. 4,836,240, 6-6-89, Cl. 137-493.000.

Elliott, Daniel L.: *See—*

Foley, John P.; Millas, Gary P.; and Elliott, Daniel L., 4,871,015, Cl. 165-76.000.

Elliott, David L.; and Kiefer, Laura A., to Lever Brothers Company. Cleaning compositions containing cross-linked polymeric thickeners and hypochlorite bleach. 4,867,896, 9-19-89, Cl. 252-94.000.

Elliott, Donald P., to C. R. Bard, Inc. Chest drainage apparatus. 4,822,346, 4-18-89, Cl. 604-319.000.

Elliott, Douglas C.; and Baker, Eddie G. Process for upgrading biomass pyrolyzates. 4,795,841, 1-3-89, Cl. 585-240.000.

Elliott, Eldon G. Magnetic conveyor with multiple spiral ramps. 4,818,378, 4-4-89, Cl. 209-225.000.

Elliott, Everett E. Vehicular window sun shield. 4,883,304, 11-28-89, Cl. 296-97.800.

Elliott, George M.; and Avery, Michael L., to Astechnologies, Inc. Process for shaping and covering cushion foam. 4,795,517, 1-3-89, Cl. 156-221.000.

Elliott, Graham Mervyn: *See—*

Newcombe-Bond, William J., 4,889,622, Cl. 210-169.000.

Elliott, James, to Western Digital Corporation. Component handling machine. 4,809,839, 3-7-89, Cl. 198-766.000.

Elliott, James: *See—*

Duffey, Donald; Hardee, Sellers; Smith, Wayne; Elliott, James; Gardner, Robert; and Suess, Claus, 4,872,500, Cl. 164-34.000.

Elliott, James D., to American Wyott Corporation. Condiment pump. 4,869,404, 9-26-89, Cl. 222-385.000.

Elliott, James E., to Discovision Associates. Video disc head tracking apparatus. 4,809,247, 2-28-89, Cl. 369-44.000.

Elliott, James H.; and Bagley, Robert. Boat dolly. 4,801,152, 1-31-89, Cl. 280-47.340.

Elliott, James N., to Western Digital Corporation. Apparatus and method for aligning surface mountable electronic components on printed circuit board pads. 4,831,724, 5-23-89, Cl. 29-840.000.

Elliott, Janet, to Hart Industries, Inc. Non-electric dishwasher. 4,836,230, 6-6-89, Cl. 134-138.000.

Elliott, John, to Acme Marls Limited. Kiln cars. 4,836,777, 6-6-89, Cl. 432-241.000.

Elliott, John, to Herb Shaw & Sons Limited. Side loading trailer body. 4,856,843, 8-15-89, Cl. 296-181.000.

Elliott, John C., to California State University Fullerton Foundation. Grommetted system for liquid scintillation vials. 4,832,917, 5-23-89, Cl. 422-102.000.

Elliott, Laura, to American Cyanamid Company. Chemiluminescent device. 4,814,949, 3-21-89, Cl. 362-34.000.

Elliott, Leonard G.: *See—*

Crisp, Harold A.; Clayton, John C.; Elliott, Leonard G.; and Wilson, Edward M., 4,820,833, Cl. 540-220.000.

James, Michael B.; and Elliott, Leonard G., 4,865,851, Cl. 424-498.000.

Elliott, Martin K., to Microthermia Technology, Inc. Apparatus for destroying cells in tumors and the like. 4,800,899, 1-31-89, Cl. 128-804.000.

Elliott, Martin P.: *See—*

Dubrul, Will R.; and Elliott, Martin P., 4,834,703, Cl. 604-48.000.

Elliott, Michael; Janes, Norman F.; and Elliott, Richard L., to National Research Development Corporation. Pesticides. 4,827,051, 5-2-89, Cl. 568-812.000.

Elliott, Michael; Janes, Norman F.; and Elliott, Richard L., to National Research Development Corporation. Pesticides. 4,847,438, 7-11-89, Cl. 568-812.000.

Elliott, Michael; Janes, Norman F.; and Khambay, Bhupinder P. S., to National Research Development Corporation. Pesticides. 4,874,781, 10-17-89, Cl. 514-463.000.

Elliott, Michael T.: *See—*

Love, Jack D.; Elliott, Michael T.; and Morgan, Patricia L., 4,849,078, Cl. 204-182.800.

Elliott, Randy D.; and Tabet, Nicolas N., to Spectra-Physics, Inc. Bar code scanner and method of programming. 4,861,972, 8-29-89, Cl. 235-462.000.

Elliott, Randy D.; and Actis, Robert J., to Spectra-Physics, Inc. Bar code scanner and method. 4,866,257, 9-12-89, Cl. 235-436.000.

Elliott, Raymond; Sunley, Raymond; and Griffin, David A., to Imperial Chemical Industries PLC. Heterocyclic compounds. 4,871,389, 10-3-89, Cl. 71-92.000.

Elliott, Raymond; Griffin, David A.; and Gairns, Raymond S., to Imperial Chemical Industries PLC. Pyrimidine derivatives. 4,875,922, 10-24-89, Cl. 71-76.000.

Elliott, Richard A.: *See—*

DeFreez, Richard K.; Elliott, Richard A.; and Puretz, Joseph, 4,796,269, Cl. 372-50.000.

DeFreez, Richard K.; Elliott, Richard A.; and Puretz, Joseph, 4,797,892, Cl. 372-50.000.

Elliott, Richard E.: *See—*

Hoeffel, James D.; Elliott, Richard E.; Hoppe, Wally C.; and Nevitt, James S., 4,854,156, Cl. 73-37.500.

Elliott, Richard J.; Dupuis, Walter A.; and Resnick, Theodore A., to Picker International, Inc. Diagonostic service system for CT scanners. 4,853,946, 8-1-89, Cl. 378-4.000.

Elliott, Richard L.: *See—*

Dorgan, Roderick J.; and Elliott, Richard L., 4,866,056, Cl. 514-211.000.

Elliott, Michael; Janes, Norman F.; and Elliott, Richard L., 4,827,051, Cl. 568-812.000.

Elliott, Michael; Janes, Norman F.; and Elliott, Richard L., 4,847,438, Cl. 568-812.000.

Pearson, Michael J.; and Elliott, Richard L., 4,816,452, Cl. 514-196.000.

Elliott, Robert H.: *See—*

Gantz, Vernon C.; and Elliott, Robert H., 4,822,232, Cl. 414-795.300.

Elliott, Robert S.: *See—*

Tracy, Charles R.; and Elliott, Robert S., 4,853,275, Cl. 428-178.000.

Elliott, Stythe T.: *See—*

Janesick, James R.; and Elliott, Stythe T., 4,798,958, Cl. 250-370.010.

Janesick, James R.; and Elliott, Stythe T., 4,822,748, Cl. 437-3.000.

Elliott Turbomachinery Co., Inc.: *See—*

Babyak, Mark R., 4,880,449, Cl. 55-170.000.

Geary, Carl H., 4,798,047, Cl. 60-39.092.

Elliott, William, to Magnadyne Corporation. Indicating light. 4,812,814, 3-14-89, Cl. 340-332.000.

Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Poe, Robert P., Jr.; and Steece, William H., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Component insertion machine apparatus. 4,831,696, 5-23-89, Cl. 29-33.00M.

Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Poe, Robert P., Jr.; and Steece, William H., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Component insertion machine apparatus. 4,873,762, 10-17-89, Cl. 29-809.000.

Elliott, William O., to McConway & Torley Corporation. Knuckle structure to ensure failure at knuckle throat portion. 4,811,854, 3-14-89, Cl. 213-155.000.

Ellis, Annie T.: *See—*

Wiley, Ronald L.; Chase, Kathryn M.; Ellis, Annie T.; and Whigham, Roger C., 4,821,925, Cl. 222-129.400.

Ellis, Benjamin C.: *See—*

Arroyo, Candido J.; and Ellis, Benjamin C., 4,807,962, Cl. 350-96.230.

Ellis, Beth-Jayne; Obenchain, Frederick; and Mehta, Raj, to Reuter Laboratories, Inc. In vitro method for producing infective bacterial spores and spore-containing insecticidal compositions. 4,824,671, 4-25-89, Cl. 424-195.100.

Ellis-Brown, Roy, to International Seafood Engineering, Inc. Shrimp cooking apparatus. 4,887,524, 12-19-89, Cl. 99-443.00C.

Ellis, Charles D., to Du Pont de Nemours, E. I., and Company. Process for preparing a photographic emulsion containing tabular grains exhibiting high speed. 4,801,522, 1-31-89, Cl. 430-569.000.

Ellis, Chris P.: *See—*

Ellis, John P.; and Ellis, Chris P., 4,889,263, Cl. 222-185.000.

Ellis, Claude E.: *See—*

Brandenburg, Bruce L.; Cooley, Curtis D.; and Ellis, Claude E., 4,812,243, Cl. 210-761.000.

Ellis Corporation: *See—*

Broadbent, John. 4,856,301, Cl. 68-12.00R.

Ellis, Daniel C. Video cart. 4,864,334, 9-5-89, Cl. 354-81.000.

Ellis, Darwin V.; Flaum, Charles; and Scott, Hubert D., to Schlumberger Technology Corporation. Determining a formation porosity from neutron logging information. 4,816,674, 3-28-89, Cl. 250-266.000.

Ellis, Darwin V.: *See—*

Wraight, Peter D.; Hertzog, Russel C.; Ellis, Darwin V.; Scott, Hubert D.; Schweitzer, Jeffrey S.; and Grau, James A., 4,810,876, Cl. 250-256.000.

Ellis, David; Emmett, John C.; Underwood, Anthony H.; and Leeson, Paul D., to Smith Kline & French Laboratories Limited. Chemical compounds having selective thyromimetic activity. 4,826,876, 5-2-89, Cl. 514-535.000.

Ellis, David C.: *See—*

Barnett, Barry R. M.; and Ellis, David C., 4,797,983, Cl. 24-289.000.

Ellis, David E.; and Chiu, Herman S., to Viskase Corporation. Moisturized tubular cellulosic food casing and process for preparing. 4,867,204, 9-19-89, Cl. 138-118.100.

Ellis, David L., to Williams-White Company. Hydraulic press and process for molding or forming an article including incrementally variable positioned slide. 4,809,535, 3-7-89, Cl. 72-453.020.

Ellis, Donald G.: *See—*

Moulding, Thomas S., Jr.; and Ellis, Donald G., 4,811,844, Cl. 206-459.000.

Moulding, Thomas S., Jr.; and Ellis, Donald G., 4,869,392, Cl. 221-1.000.

Ellis, Edward J.; and Mager, Louis, to Polymer Technology, Corp. Dimensionally stable oxygen permeable hard contact lens material and method of manufacture. 4,826,889, 5-2-89, Cl. 522-99.000.

Ellis, Edward J., to Polymer Technology Corp. Silicone-containing contact lens material and contact lenses made thereof. 4,826,936, 5-2-89, Cl. 526-258.000.

Ellis, Edward J.; and Salamone, Joseph C., to Polymer Technology, Corp. Abravise-containing contact lens cleaning materials. 4,830,783, 5-16-89, Cl. 252-545.000.

Ellis, Ernest W., to Polaroid Corporation. Heat sensitive recording element. 4,818,742, 4-4-89, Cl. 503-201.000.

Ellis, Ernest W., to Polaroid Corporation. Heat sensitive recording element. 4,839,335, 6-13-89, Cl. 503-224.000.

Ellis, Ernest W.: *See—*

Borror, Alan L.; Ellis, Ernest W.; and McGowan, Donald A., 4,826,976, Cl. 544-58.400.

Ellis, Eugene B.; Friedemann, Pete D.; and Glass, Richard W., to Frito-Lay, Inc. Waxy corn masa based products and methods of making. 4,806,377, 2-21-89, Cl. 426-549.000.

Ellis, Gary E.: *See—*

Hoepfner, Paul A.; Hofacket, William D.; and Ellis, Gary E., 4,850,129, Cl. 43-4.000.

Ellis, Guy T., Jr.: *See—*

Schroeder, Gene F.; and Ellis, Guy T., Jr., 4,884,265, Cl. 370-70.000.

Ellis, Harold, to Delphic Research Laboratories, Inc. Fire barrier coating and fire barrier plywood. 4,818,595, 4-4-89, Cl. 428-245.000.

Ellis, Herbert H., to Eaton Corporation. Shunt transformer. 4,800,356, 1-24-89, Cl. 336-184.000.

Ellis, III: George S.: *See—*

Prior, William C.; Ellis, III: George S.; and Crozier, David W., 4,889,623, Cl. 210-190.000.

Ellis, Jerry R., to Cambridge Filter Corporation. Air filter with high dust-holding capacity. 4,795,481, 1-3-89, Cl. 55-500.000.

Ellis, John L. Lottery ticket scraper enabling precise removal of surface layer from ticket. 4,881,291, 11-21-89, Cl. 15-236.010.

Ellis, John P.; and Ellis, Chris P. Sealed bin container. 4,889,263, 12-26-89, Cl. 222-185.000.

Ellis, Keith O.: *See—*

White, Ralph L., Jr.; and Ellis, Keith O., 4,861,790, Cl. 514-374.000.

Ellis, Margaret D.: *See—*

Morris, Susan M.; Ellis, Margaret D.; and Thomas, Thomas J., 4,813,974, Cl. 8-657.000.

Ellis, Michael K.: *See—*

Taylor, John B.; and Ellis, Michael K., 4,859,933, Cl. 324-77.00B.

Ellis, Michael P.: *See—*

Ray, Jon P.; Turner, James E.; Ellis, Michael P.; and Oldham, Ronald G., 4,800,903, Cl. 131-273.000.

Ellis, Michael W.; and Chowdhury, Mofazzal H., to Alfa-Laval, Inc. Milking claw retraction and retention device for milking machine. 4,838,203, 6-13-89, Cl. 119-14.080.

Ellis, Paul: *See—*

Smith, Gerald J.; Trask, Elwood G.; Ellis, Paul; Johnston, Jon; Campbell, Brian; and Rorie, Leon, 4,888,234, Cl. 428-234.000.

Ellis, Paul E., Jr.: *See—*

Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., 4,803,187, Cl. 502-200.000.

Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., 4,859,798, Cl. 568-399.000.

Ellis, Peter J. Lighting assembly. 4,821,162, 4-11-89, Cl. 362-408.000.

Ellis, Ray: *See—*

Werring, Norman J.; Ellis, Ray; and Higton, Malcolm H., 4,849,673, Cl. 313-506.000.

Ellis, Reginald C. L. Attachment apparatus for a tire mat. 4,836,258, 6-6-89, Cl. 152-213.00A.

Ellis, Richard A.: *See—*

Hyfantis, George J., Jr.; Ellis, Richard A.; and McCulloch, Reg W., 4,862,733, Cl. 73-49.200.

Ellis, Richard C.: *See—*

Bell, William T.; Ellis, Richard C.; and Snyder, Robert E., 4,871,179, Cl. 277-34.600.

Ellis, Roger D.: *See—*

Straw, Alan; and Ellis, Roger D., 4,857,241, Cl. 261-152.000.

Wigglesworth, Paul; and Ellis, Roger D., 4,876,038, Cl. 261-152.000.

Ellis, Roger H.; Walton, A. Christian; and Tomita, Akira, to Raychem Corp. Pin and socket fiber optic connector. 4,884,864, 12-5-89, Cl. 350-96.210.

Ellis, Ronald M., Jr.; Wiesler, Oren L.; and Mega, Christopher A., to Digital Equipment Corporation. Method and apparatus for branching on the previous state in an interleaved computer program. 4,890,225, 12-26-89, Cl. 364-200.000.

Ellis, Ronald W.; Keller, Paul M.; Lowe, Robert S.; and Davison, Andrew J., to Merck & Co., Inc. Vaccine against varicella-zoster virus. 4,812,559, 3-14-89, Cl. 535-27.000.

Ellis, Ronald W.; Hagopian, Arpi; and Kniskern, Peter J., to Merck & Co., Inc. Method for producing hepatitis B virus proteins in yeast. 4,816,564, 3-28-89, Cl. 530-350.000.

Ellis, Roy J. Blow plug. 4,840,352, 6-20-89, Cl. 254-134.400.

Ellis, Stafford M., to GEC-Marconi Limited. Night vision viewing systems. 4,828,378, 5-9-89, Cl. 350-538.000.

Ellis, Stafford M., to GEC-Marconi Limited. Weapon sights. 4,863,269, 9-5-89, Cl. 356-251.000.

Ellis, Steven B.: *See—*

Stroman, David W.; Brust, Paul F.; Ellis, Steven B.; Gingeras, Thomas R.; Harpold, Michael M.; and Tschopp, Juerg F., 4,808,537, Cl. 435-6.000.

Stroman, David W.; Brust, Paul F.; Ellis, Steven B.; Gingeras, Thomas R.; Harpold, Michael M.; and Tschopp, Juerg F., 4,855,231, Cl. 435-68.000.

Ellis, William H., to Broadband Engineering, Inc. Video noise jammer. 4,825,468, 4-25-89, Cl. 380-7.000.

Ellison, Arthur E. Tissue retractor. 4,874,375, 10-17-89, Cl. 604-164.000.

Ellison, Donald E., to United Technologies Automotive, Inc. Wire cross-over arrangement for angular coil assembly. 4,862,130, 8-29-89, Cl. 336-185.000.

Ellison, Donald E.: *See—*

Ratke, Richard; and Ellison, Donald E., 4,887,702, Cl. 192-4.00A.

Ellison, James F.: *See—*

Taft, Jeffrey D.; Ellison, James F.; and Breakey, Gerald A., 4,833,381, Cl. 318-577.000.

Taft, Jeffrey D.; Ellison, James F.; and Breakey, Gerald A., 4,849,679, Cl. 318-577.000.

Ellison, John E., to Parker Hannifin Corporation. Hung diaphragm solenoid valve. 4,880,205, 11-14-89, Cl. 251-30.020.

Ellison, Kathleen: *See—*

Phillips, Eddie; Harville, Dyle; Lee, Mildred; Kirby, Danny; Ellison, Kathleen; Smithy, Mary J.; McNutt, Eugene; Gholston, Yvonne; Brewer, Jim; and McClure, Charles, 4,887,774, Cl. 242-58.600.

Ellison, Larry J.; and Smelcer, John R., to Adams, Leonard G., a part interest. Scope mount base for a black powder rifle. 4,873,779, 10-17-89, Cl. 42-101.000.

Ellison, Mearl E., to Thermal Art, Inc. Decorative wall hanging heater. 4,817,906, 4-4-89, Cl. 248-542.000.

Ellison, Richard P., to Boat America Corporation. Boat fender. 4,841,893, 6-27-89, Cl. 114-219.000.

Ellison, Taylor B. Toilet seat lifter. 4,803,741, 2-14-89, Cl. 4-251.000.

Ellison, Thomas M.; and Winton, Robert A., to Rexham Corporation. Decorative sheet material simulating the appearance of a base coat/clear coat paint finish. 4,810,540, 3-7-89, Cl. 428-31.000.

Ellisor, Milton W., Jr.: *See—*

Snow, Richard K.; and Ellisor, Milton W., Jr., 4,876,896, Cl. 73-827.000.

Ellman, Fred: *See—*

Ellman, Steven; Ellman, Fred; Ellman, Julius; and Lerner, George, 4,835,874, Cl. 33-27.110.

Ellman, Julius: *See—*

Ellman, Steven; Ellman, Fred; Ellman, Julius; and Lerner, George, 4,835,874, Cl. 33-27.110.

Ellman, Steven; Ellman, Fred; Ellman, Julius; and Lerner, George. Driven marking system for creating a plurality of varied line designs. 4,835,874, 6-6-89, Cl. 33-27.110.

Ellmann, Eva: *See—*

Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,849,547, Cl. 568-639.000.

Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,871,882, Cl. 568-639.000.

Ellrich, Klaus: *See—*

Gasser, Oswald; and Ellrich, Klaus, 4,882,365, Cl. 523-117.000.

Jochum, Peter; Zahler, Wolf-Dietrich; Gasser, Oswald; Lechner, Gunther; and Ellrich, Klaus, 4,867,790, Cl. 106-35.000.

Ells, John W., to British Petroleum Company p.l.c., The. Seals. 4,795,132, 1-3-89, Cl. 251-159.000.

Ells, John W., to British Petroleum Company p.l.c., The. Pressure device. 4,811,652, 3-14-89, Cl. 92-92.000.

Ellsberg, Thomas R., to Bellatrix Systems, Inc. Retrofit, newspaper tracking audit system for newspaper rack machines. 4,845,484, 7-4-89, Cl. 340-825.350.

Ellson, Bart T.: *See—*

Beachy, Robert W.; Ellson, Bart T.; Kakuk, Jay J.; and Peterson, Gerald E., 4,870,548, Cl. 362-145.000.

Ellson, John C.: *See—*

Reid, David I.; Ellson, John C.; and Betts, Malcolm C., 4,837,760, Cl. 370-16.000.

Ellsworth, Daniel L.; and Moll, Maurice M., to NCR Corporation. Two transistor full wave rectifier. 4,875,151, 10-17-89, Cl. 363-127.000.

Ellsworth, James P.: *See—*

Bratkowski, Walter V.; and Ellsworth, James P., 4,801,772, Cl. 200-151.000.

Ellul, Joseph, Jr. Billiard cue chalk holder. 4,82[illegible],163, 5-2-89, Cl. 273-21.000.

Ellul, Joseph P.: *See—*

Kalnitsky, Alexander; Ellul, Joseph P.; and Tay, Sing P., 4,836,902, Cl. 204-192.320.

Kalnitsky, Alexander; Ellul, Joseph P.; Tay, Sing P.; and Poirier, Jacques G., 4,859,303, Cl. 204-192.360.

Ellul, Raymond M.: *See—*

Calvert, Paul D.; Ellul, Raymond M.; and Moyle, Brian D., 4,806,579, Cl. 524-99.000.

Ellwanger, Russell C., to North American Philips Corporation, Signetics Division. Schottky-type rectifier having controllable barrier height. 4,816,879, 3-28-89, Cl. 357-15.000.

Ellwanger, Russell C.; and Schmitz, Johannes E. J., to U.S. Philips Corporation. Method of establishing a structure of electrical interconnections on a silicon semiconductor device. 4,851,369, 7-25-89, Cl. 437-200.000.
Ellwood, Marian S.: *See—*
  Collins, Mary; Dougherty, Joseph P.; Ellwood, Marian S.; Fritsch, Edward F.; and Jacobs, Kenneth A., 4,818,680, Cl. 435-6.000.
Elm Industry Co., Ltd.: *See—*
  Sueda, Norio; and Hoshino, Hiroyasu, 4,859,275, Cl. 156-541.000.
Elm, William C.: *See—*
  Woods, David D.; Elm, William C.; Lipner, Melvin H.; Butterworth, George E., III; and Easter, James R., 4,816,208, Cl. 376-259.000.
Elman, Boris S.: *See—*
  Chen, Yung-Jui; Elman, Boris S.; and Carter, Gary M., 4,808,285, Cl. 204-157.150.
Elman, Larisa A., to General Electric Company. Automatic cutting bit recovery. 4,799,408, 1-24-89, Cl. 82-1.00C.
Elmasry, Mohamed A.: *See—*
  Chou, Hsin-Hsin; Elmasry, Mohamed A.; Chang, Jeffrey C.; and Kidnie, Kevin M., 4,822,643, Cl. 427-256.000.
Elmatco Products, Incorporated: *See—*
  Harris, Earl C., Jr., 4,853,273, Cl. 428-116.000.
Elmec Corporation: *See—*
  Kameya, Kazuo, 4,821,003, Cl. 333-139.000.
  Kameya, Kazuo, 4,829,272, Cl. 333-139.000.
El-Megeed, Mohamed E. A., and Sands, David C., to Research and Development Institute, Inc. at Montana State University. Method and compositions for improving the nutritive value of foods via *Lactobacillus Ferementum*. 4,889,810, 12-26-89, Cl. 435-252.900.
Elmer, Mark. Manually propelled automotive painting tool cart. 4,880,248, 11-14-89, Cl. 280-47.350.
Elmer, William A. Lighting system for car top sign. 4,839,975, 6-20-89, Cl. 40-592.000.
Elmes, Bryan C.: *See—*
  Holan, George; Walser, Reimund A.; and Elmes, Bryan C., 4,849,450, Cl. 514-521.000.
Elmore, Carl L., to Kamyr, Inc. Vertical steaming vessel. 4,867,845, 9-19-89, Cl. 162-243.000.
Elmore, Carl L.: *See—*
  Brison, Robert J.; Elmore, Carl L.; and Mitchell, Phillip, 4,816,234, Cl. 423-29.000.
Elmore, Dan E.; and Roethlein, Richard J., to International Fuel Cells Corporation. Electrode substrate with integral edge seal and method of forming the same. 4,845,840, 7-11-89, Cl. 29-623.200.
Elmore, John M., III, to Emhart Industries, Inc. Temperature and line pressure probe. 4,797,007, 1-10-89, Cl. 374-143.000.
Elmqvist, Hakan: *See—*
  Heinze, Roland; and Elmqvist, Hakan, 4,830,488, Cl. 356-41.000.
Elms, Robert T.: *See—*
  Verbanets, William R.; and Elms, Robert T., 4,876,502, Cl. 324-115.000.
Elms, Russell A., to Dow Corning Corporation. Production of polydiorganosiloxane fluids with low silanol content. 4,831,174, 5-16-89, Cl. 556-451.000.
Elmwood Sensors, Inc.: *See—*
  Bowder, Thomas H., 4,821,954, Cl. 236-48.00R.
Elna Company Ltd.: *See—*
  Morimoto, Takeshi; Hamatani, Yoshiki; Yoshitake, Masaru; and Yamada, Hidemi, 4,831,499, Cl. 361-806.000.
  Morimoto, Takeshi; Endoh, Eiji; and Takemiya, Satoshi, 4,858,078, Cl. 361-527.000.
  Morimoto, Takeshi; Sanada, Yasuhiro; Ohashi, Shinichi; and Kimura, Yoshikatsu, 4,862,328, Cl. 361-502.000.
El-Nashar, Ibrahim; Jaussi, Francois; Kirchhofer, Hubert; Komauer, Christian; Mayer, Andreas; Perevuznik, Josef; and Spinnler, Fritz, to BBC Brown Boveri & Co., Ltd. Free-running pressure wave supercharger driven by gas forces. 4,796,595, 1-10-89, Cl. 123-559.200.
Elo, Vesa. Skating device. 4,811,941, 3-14-89, Cl. 272-70.000.
Elographics, Inc.: *See—*
  Talmage, John E., Jr.; and Gibson, William A., 4,797,514, Cl. 178-18.000.
  Talmage, John E., Jr.; and Quirk, John T., Jr., 4,822,957, Cl. 178-18.000.
Eloise-Pillerault, Clement; Benoit, Claude; and Benoit, Vincent. Method of fractionating the sound restoration of modulated signals in parallel mounted transducers, and sets of corresponding transducers. 4,860,365, 8-22-89, Cl. 381-90.000.
Elongo, Varadaraj, to Hoechst Celanese Corporation. Synthesis of 2-(4-aminophenoxy)alkanoic acids and esters and their derivatives. 4,883,901, 11-28-89, Cl. 560-45.000.
Elop Electrooptics Industries Ltd.: *See—*
  Shoshan, Itamar, 4,858,239, Cl. 372-9.000.
Elopak A/S: *See—*
  Kieser, Wolfgang, 4,860,902, Cl. 206-631.300.
  Mercurio, Franco, 4,820,253, Cl. 493-59.000.
  Oppedal, Tor, 4,819,863, Cl. 229-125.350.
Elopak Limited: *See—*
  Skinner, Edward A.; and House, Donald E., 4,819,410, Cl. 53-413.000.
Elopak Systems AG: *See—*
  Nesse, Knut O., 4,874,355, Cl. 493-148.000.
Elopak Systems A.G.: *See—*
  Lisiecki, Robert E., 4,819,865, Cl. 229-137.000.
  Lisiecki, Robert E., 4,842,188, Cl. 229-123.300.
Eloph, Harry E.: *See—*
  Wade, Ivan W., Jr.; Hessler, John D.; and Eloph, Harry E., 4,851,060, Cl. 156-53.000.
Elosegui, Ignacio M. Mechanical valvular prothesis for use in cardiac surgery. 4,822,354, 4-18-89, Cl. 623-2.000.
ELP Products Limited: *See—*
  Macierewicz, Jacek J., 4,797,203, Cl. 209-211.000.
Elpatronic AG: *See—*
  Alznauer, Kurt, 4,856,312, Cl. 72-133.000.
  Becker, Anton; and Kramer, Felix, 4,875,382, Cl. 74-84.00R.
  Bogatzki, Hans-Ulrich, 4,798,096, Cl. 73-12.000.
  Bogatzki, Hans-Ulrich; and Kramer, Felix, 4,852,415, Cl. 73-865.800.
  Depaoli, Albano; and Gysi, Peter, 4,824,007, Cl. 228-102.000.
  DePaoli, Albano; Lanz, Andreas; Baumgartner, Michael; and Bugmann, Franz, 4,846,389, Cl. 228-17.500.
  Frei, Matthias; Mueller, Willi; and Sutter, Werner, 4,803,325, Cl. 219-64.000.
  Gysi, Peter, 4,799,585, Cl. 198-743.000.
  Gysi, Peter, 4,870,241, Cl. 219-64.000.
  Meier, Paul, 4,865,243, Cl. 228-15.100.
  Opprecht, Paul; and Urech, Werner, 4,795,295, Cl. 413-1.000.
  Schon, Stefan, 4,881,421, Cl. 74-412.0TA.
  Stieger, Othmar, 4,856,632, Cl. 192-56.00F.
  Urech, Werner, 4,795,875, Cl. 219-84.000.
  Urech, Werner, 4,886,953, Cl. 219-64.000.
  Weil, Wolfgang H.; and Fankhauser, Hanspeter, 4,820,896, Cl. 219-83.000.
  Wittwer, Rudolf, 4,834,233, Cl. 198-746.000.
Elpern, David G.: *See—*
  Glaser, Jerry; and Elpern, David G., 4,798,523, Cl. 417-407.000.
El-Rashidy, Ragab, to Gynex, Inc. Dialysate solution containing hydroxypropyl-beta-cyclodextrin and method of using same. 4,889,634, 12-26-89, Cl. 210-646.000.
Elrick, David E.: *See—*
  Baumgartner, Norbert; Elrick, David E.; and Reynolds, W. Daniel, 4,819,375, Cl. 47-80.000.
Elris, Viggo; Johnson, Roderick M.; Hamilton, Robert R.; and Baly, Elliott J. Explosion-proof electrical generator system. 4,814,651, 3-21-89, Cl. 310-88.000.
Elrod, Granville P.; Westbrooks, John W.; and McDonald, Tracy L., to Standex International Corporation. Refrigeration system. 4,852,365, 8-1-89, Cl. 62-237.000.
Elrod, Jimmie L., to Tennessee Valley Authority. Particulate urea with clay incorporated for hardness and/or gelling. 4,885,021, 12-5-89, Cl. 71-28.000.
Elron Electronic Industries, Ltd.: *See—*
  Orbach, Zvi; and Janai, Meir I., 4,875,971, Cl. 156-644.000.
El-Sadi, Ashraf I., to Unisys Corporation. Techniques for disk servo track following. 4,885,516, 12-5-89, Cl. 318-615.000.
Elsaesser, Andreas; and Rode, Klaus, to Hoechst Aktiengesellschaft. Positive-working radiation-sensitive recording material with radiation-sensitive 1,2-quinone diazide underlayer and thicker positive-working radiation-sensitive overlayer. 4,840,867, 6-20-89, Cl. 430-156.000.
El-Saie, Ahmed A., to Consolidation Coal Company. Rotary separator. 4,834,783, 5-30-89, Cl. 55-176.000.
El-Saie, Ahmed A., to Consolidation Coal Company. Method and apparatus for drilling and separating. 4,836,611, 6-6-89, Cl. 299-7.000.
Elsasser, Dieter; and von der Heide, Johann, to Papst-Motoren GmbH & Co. KG. Disk storage drive. 4,843,500, 6-27-89, Cl. 360-97.020.
Elsasser, Glenn R., to Western Profiles Limited. Window frame member or rigid plastics material. 4,856,239, 8-15-89, Cl. 52-98.000.
Elsasser, Martin; and Schaberle, Erwin, to Sulzer Morat GmbH. Cam segment for a knitting machine. 4,798,064, 1-17-89, Cl. 66-57.000.
Elsasser, Michael: *See—*
  Bayer, Thomas; Elsasser, Michael; Greschner, Johann; Schmid, Heinrich; Stohr, Roland; Wolter, Olaf; and Wittlinger, Jurgen, 4,843,315, Cl. 324-158.00P.
Elsayed, Alaaeldeen M.: *See—*
  Shamsuddin, Abulkalam M.; Elsayed, Alaaeldeen M.; and Jockle, Glenn A., 4,857,457, Cl. 435-7.000.
El-Sayed, Lyla M., to Du Pont de Nemours, E. I., and Company. Modified liquid electrostatic developer having improved image scratch resistance. 4,820,605, 4-11-89, Cl. 430-115.000.
El-Sayed, Lyla M.: *See—*
  Chan, Dominic M.; El-Sayed, Lyla M.; Thanawalla, Chandrakant B.; and Trout, Torence J., 4,886,726, Cl. 430-115.000.
Elsbett, Gunter: *See—*
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,800,855, Cl. 123-276.000.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,813,389, Cl. 123-373.000.
  Elsbett, Ludwig; Elsbett, Gunter, and Elsbett, Klaus, 4,825,830, Cl. 123-300.000.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,854,276, Cl. 123-196.0AB.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,854,291, Cl. 123-569.000.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,858,579, Cl. 123-299.000.
Elsbett, Klaus: *See—*
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,800,855, Cl. 123-276.000.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,813,389, Cl. 123-373.000.

  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,825,830, Cl. 123-300.000.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,854,276, Cl. 123-196.0AB.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,854,291, Cl. 123-569.000.
  Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus, 4,858,579, Cl. 123-299.000.
Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus. Spontaneous-combustion engine. 4,800,855, 1-31-89, Cl. 123-276.000.
Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus. Fuel injection system for internal combustion engines. 4,813,389, 3-21-89, Cl. 123-373.000.
Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus. Pump system for injection of fuel into the combustion chambers of internal combustion engines. 4,825,830, 5-2-89, Cl. 123-300.000.
Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus. Internal combustion engine with combined cooling and lubricating system. 4,854,276, 8-8-89, Cl. 123-196.0AB.
Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus. Cylinder head for use in diesel engines. 4,854,291, 8-8-89, Cl. 123-569.000.
Elsbett, Ludwig; Elsbett, Gunter; and Elsbett, Klaus. Fuel-injection for direct-injection diesel engine. 4,858,579, 8-22-89, Cl. 123-299.000.
Elschenbroich, Walter: *See—*
  Wittkopp, Helmut; Gruteser, Helmut; Coenen, Wilfred; and Elschenbroich, Walter, 4,798,963, Cl. 250-560.000.
Elscint: *See—*
  Shimoni, Yair, 4,865,043, Cl. 128-700.000.
Elscint Ltd.: *See—*
  Barnea, Daniel; Stokar, Saul; Zur, Yuval; Kaplan, Noam; and Ban, Amir, 4,825,161, Cl. 324-309.000.
  Egozi, Avihai; and Stokar, Saul, 4,888,552, Cl. 324-309.000.
  Granot, Joseph, 4,832,037, Cl. 128-653.000.
  Granot, Joseph, 4,855,679, Cl. 324-309.000.
  Granot, Joseph, 4,878,021, Cl. 324-309.000.
  Inbar, Dan; and Delevy, Moshe, 4,852,576, Cl. 128-660.600.
  Inbar, Dan; Dilmanian, F. Avraham; and Berlad, Gideon, 4,864,594, Cl. 378-5.000.
  Keren, Hanan; and Linenberg, Itzchak, 4,833,429, Cl. 333-156.000.
  Keren, Hanan, 4,847,559, Cl. 324-307.000.
  Levene, Simha; and Inbar, Dan, 4,821,727, Cl. 128-653.000.
  Netter, Zvi; and Bar-Lev, Menachem, 4,845,613, Cl. 364-200.000.
  Netter, Zvi, 4,872,001, Cl. 340-721.000.
  Palkovich, Alex, 4,853,661, Cl. 335-216.000.
  Rotem, Haim; Shimoni, Yair; and Goldberg, Shmuel, 4,797,615, Cl. 324-309.000.
  Rotem, Haim; and Shimoni, Yair, 4,871,967, Cl. 324-309.000.
  Shimoni, Yair; and Niv, Ron, 4,809,350, Cl. 382-56.000.
  Stokar, Saul, 4,859,945, Cl. 324-309.000.
Elscint Ltd: *See—*
  Keren, Hanan, 4,859,950, Cl. 324-322.000.
Elsdoerfer, Norbert W., to International Machine & Tool Corporation. Relative position indication system. 4,855,734, 8-8-89, Cl. 340-870.310.
Else, Frederick A.; and Green, John. Screw holder. 4,862,774, 9-5-89, Cl. 81-57.370.
Else, Richard L.; and Frantzen, Kenneth D., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Toll fraud control. 4,811,378, 3-7-89, Cl. 379-189.000.
Elsen, Jeffrey M.; Debney, Martin F.; and Kling, Thomas J., to Dow Chemical Company, The. Nonwoven fibrous batt. 4,869,950, 9-26-89, Cl. 428-198.000.
Elsener, Carl. Transferrable jewelry clasp with neck chain or neck band. 4,815,180, 3-28-89, Cl. 24-616.000.
Elsener, Carl, to Victorinox AG. Locking blade pocket-knife. 4,837,932, 6-13-89, Cl. 30-161.000.
Elsenheimer, Gerd; and Schnabel, Wolfram, to Metallgesellschaft Aktiengesellschaft. Process for a direct reduction of iron oxide containing materials in a rotary kiln. 4,838,934, 6-13-89, Cl. 75-36.000.
Elser, Dieter; and Weiler, Friedemann, to Zahnradfabrik Friedrichshafen AG. Power steering for motor vehicles. 4,819,757, 4-11-89, Cl. 180-79.000.
Elser, Dieter; Hetzel, Helmut; and Kelter, Manfred, to Zahnradfabrik Friedrichshafen, AG. Rotary slide valve for hydraulic auxiliary power steerings. 4,848,402, 7-18-89, Cl. 137-625.230.
Elser, Wolfgang: *See—*
  Sharp, Edward J.; Shurtz, Richard R., II; Elser, Wolfgang; and Wood, Gary L., 4,819,239, Cl. 372-12.000.
Elsey, Adrian C. Alarm systems. 4,879,542, 11-7-89, Cl. 340-326.000.
Elsey, Denise M., to Akron City Hospital. Flexible wrist splint. 4,854,309, 8-8-89, Cl. 128-87.00R.
Elsheikh, Maher Y., to Pennwalt Corporation. Process for preparing vinylidene fluoride by the direct fluorination of vinylidene chloride. 4,827,055, 5-2-89, Cl. 570-160.000.
El-Sherbini, Ahmed M., to Wang Laboratories, Inc. Thresholding algorithm selection apparatus. 4,879,753, 11-7-89, Cl. 382-50.000.
Elsherbini, Magdi M. Hair cutter. 4,868,984, 9-26-89, Cl. 30-133.000.
El-Sherif, Mahmoud. Process for producing a grating on an optical fiber. 4,842,405, 6-27-89, Cl. 350-320.000.
Elslager, Edward F.; and Leopold, Wilbur R., III, to Warner-Lambert Company. Method for treating non-small cell lung cancer, head and neck cancers and breast cancer. 4,853,221, 8-1-89, Cl. 424-649.000.
Elsner, Bertram F.; and Molison, Robert E., to Elsner Engineering Works, Inc. Roll winding machine. 4,807,825, 2-28-89, Cl. 242-56.00R.
Elsner Engineering Works, Inc.: *See—*
  Elsner, Bertram F., and Molison, Robert E., 4,807,825, Cl. 242-56.00R.
Elsner, Ernst; Lindenthal, Hans; and Jelfs, Stewart D., to J.M. Voith GmbH. Device for connecting two coaxial components fixedly in terms of rotation. 4,859,106, 8-22-89, Cl. 403-5.000.
Elsner, Hans F. K.; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, to U.S. Philips Corporation. Electromagnetic shielding arrangement. 4,841,102, 6-20-89, Cl. 174-35.0GC.
Elsner, Matthew; Iida, Yoshio; Kwong, Edward Y.; and Rahim, Omar M., to International Business Machines Corporation. Memory read/write control system for color graphic display. 4,839,828, 6-13-89, Cl. 364-518.000.
Elsner, Paul: *See—*
  Born, Gerhard; Elsner, Paul; and Scherer, Heinz-Jurgen, 4,802,571, Cl. 198-627.000.
Elsohly, Mahmoud; Turner, Carlton E.; Murphy, James C.; and Wirth, Phillip W., to University of Mississippi, The. Antiinflammatory and antimicrobial compounds and compositions. 4,837,228, 6-6-89, Cl. 514-456.000.
Elson, Donald E.; Gerke, Burton E., Jr.; Bitzel, Michael E.; Wilder, Bruce A.; Rodowsky, Stanley J., Jr.; Lessig, William R., III; Adams, Jeffrey S.; and Hagan, Todd A., to Black & Decker, Inc. Cordless vacuum cleaner with power brush. 4,841,594, 6-27-89, Cl. 15-344.000.
Elson, Donald E.: *See—*
  Bhagwat, Pradeep M.; Elson, Donald E.; and Walter, Richard T., 4,835,409, Cl. 307-64.000.
  Bhagwat, Pradeep M.; Elson, Donald E.; and Walter, Richard T., 4,835,410, Cl. 307-64.000.
Elson, John P.; and Kramp, Stephen F., to Copeland Corporation. Scroll compressor with canted drive busing surface. 4,836,758, 6-6-89, Cl. 418-55.000.
Elson, Robert J.: *See—*
  Ludwig, Howard R.; Haidler, John W.; Yuan, Mark S. C.; and Elson, Robert J., 4,842,106, Cl. 188-266.000.
Elson, Stephen W.: *See—*
  Woroniecki, Stefan R.; Elson, Stephen W.; and Baggaley, Keith H., 4,795,809, Cl. 540-348.000.
Elstein, Rick A.; Faret, Svein; and Mayol, Larry E., to Innovative Training Products, Inc. Start system batting unit and method. 4,834,375, 5-30-89, Cl. 273-26.00R.
Elster, Esther: *See—*
  Peled, Emanuel; Brand, Mordechai; Elster, Esther; Kimel, Josef; and Cohen, Ronen, 4,88[illegible], Cl. 424-120.000.
Elta Electronics Industry Limited: *See—*
  Negev, Michael. 4,812,853, Cl. 343-700.0MS.
ELTEC Instruments, Inc.: *See—*
  Keller, Hans J.; and Villers, Fredrick, 4,868,390, Cl. 250-338.300.
Eltech Systems Corporation: *See—*
  Barnes, Albert L., 4,876,941, Cl. 89-36.020.
  Beer, Henri B.; and Arnouts, Dirk, 4,797,182, Cl. 204-14.100.
  Bennett, John E.; Novak, Donald S.; and Mitchell, Thomas A., 4,880,517, Cl. 204-196.000.
  Bishara, Jeries I.; Vaccaro, Anthony J.; and Rudd, Eric J., 4,822,509, Cl. 252-62.560.
  de Nora, Vittorio; Penny, Robert D.; Frank, Lawrence L.; Vaccaro, Anthony J.; and Stewart, James J., 4,834,850, Cl. 204-109.000.
  Duruz, Jean-Jacques R.; and Derivaz, Jean-Pierre, 4,824,531, Cl. 204-67.000.
  Hardee, Kenneth L.; and Sacco, Anthony R., 4,798,715, Cl. 423-478.000.
  Hruska, Louis W.; and Brown, Carl W., Jr., 4,853,101, Cl. 204-296.000.
  Nelson, Bonnie I.; Turk, Randolph C.; and Curlin, Lemuel C., 4,816,177, Cl. 252-181.000.
  Schraff, Raymond J., 4,829,734, Cl. 52-404.000.
  Solomon, Frank; Genodman, Yury; and Irizarry, Jaime, 4,877,694, Cl. 429-27.000.
  Turley, Homer L.; Niksa, Marilyn J.; Pohto, Gerald R.; and Niksa, Andrew J., 4,828,939, Cl. 429-38.000.
  Walker, Joseph K., Jr., 4,812,425, Cl. 501-96.000.
Eltek, S.p.A.: *See—*
  Fornasari, Paolo, 4,819,868, Cl. 236-49.500.
  Fornasari, Paolo, 4,842,167, Cl. 222-249.000.
  Fornasari, Paolo, 4,877,049, Cl. 137-312.000.
Elten Nederland B.V.: *See—*
  de Vries, Hugo V., 4,830,178, Cl. 198-774.000.
Elter, Claus; Hornischer, Edgar; Schmitt, Hermann; and Schoening, Josef, to Hochtemperatur-Reaktorbau GmbH. Ceramic installations. 4,798,700, 1-17-89, Cl. 376-338.000.
Elter, Claus; Hornischer, Edgar; Schmitt, Hermann; Schoening, Josef; and Weicht, Ulrich, to Hochtemperatur Reaktorbau GmbH. Ceramic installations. 4,830,818, 5-16-89, Cl. 376-381.000
Elter, Claus: *See—*
  Dorweiler, Harald; Elter, Claus; Grossert, Franz; Schmitt, Hermann; Rohark, Guenter; and Schoening, Josef, 4,863,672, Cl. 376-226.000.
Elter, Michael R., to Xerox Corporation. Fusing apparatus control system. 4,825,242, 4-25-89, Cl. 355-14.0FU.
Elterman, Paul B., to Litton Systems, Inc. Iterative wavefront measuring device. 4,804,269, 2-14-89, Cl. 356-353.000.
Eltex-Elektrostatik Gesellschaft mbH: *See—*
  Hahne, Ernst-August; and Kunzig, Hermann, 4,835,808, Cl. 15-1.50R.

ELTI Apparatebau und Elektronik GmbH: *See—*
  Kuehnert, Hans-Guenter E., 4,840,698, Cl. 156-485.000.
El-Tibi, Abdul-Kader A.: *See—*
  Lovgren, Eric M.; and El-Tibi, Abdul-Kader A., 4,886,506, Cl. 604-280.000.
Eltinger, Walter: *See—*
  Benz, Willi; and Eltinger, Walter, 4,811,586, Cl. 72-165.000.
Elton, Edward F. Method for alkaline delignification of lignocellulosic fibrous material at a consistency which is raised during reaction. 4,806,203, 2-21-89, Cl. 162-19.000.
Elton, Richard K.; and Schultz, William R., Jr., to General Electric Company. Semi-conducting layer for insulated electrical conductors. 4,853,565, 8-1-89, Cl. 310-45.000.
Eltoukhy, Atef, to Xidex Corporation. Method of producing thin-film storage disk. 4,816,127, 3-28-89, Cl. 204-192.150.
Eltreva AG: *See—*
  Emmer, Hans, 4,809,475, Cl. 52-235.000.
  Emmer, Hans, 4,854,098, Cl. 52-398.000.
Eltro GmbH: *See—*
  Prein, Franz; Wiegand, Jurgen; Frey, Peter; and Klink, Norbert, 4,890,035, Cl. 313-633.000.
  Wichmann, Gunter, 4,811,027, Cl. 343-776.000.
Eltron Research, Inc.: *See—*
  Sammells, Anthony F., 4,803,134, Cl. 429-16.000.
  Sammells, Anthony F.; and Semkow, Krystyna W., 4,804,448, Cl. 204-243.00R.
  Sammells, Anthony F., 4,807,977, Cl. 350-357.000.
Eltvik, Bjorn V.: *See—*
  Peters, Theodore M.; and Eltvik, Bjorn V., 4,815,719, Cl. 269-130.000.
Eluci Company Inc.: *See—*
  Nakamura, Kenji; and Nakamura, Koji, 4,848,575, Cl. 206-449.000.
Elvidge, James: *See—*
  Ohlendorf, Guenter; and Elvidge, James, 4,845,737, Cl. 379-30.000.
Elvin, Frank J.; Otterstedt, Jan-Erik; and Yoo, Jin S., to ChemCat Corporation. Regeneraation of metal contaminated hydrocarbon conversion catalytsts. 4,800,185, 1-24-89, Cl. 502-26.000.
Elvin, Frank J., to ChemCat Corporation. Virgin catalyst treatment. 4,806,512, 2-21-89, Cl. 502-65.000.
Elvin, Frank J.; and Yoo, Jin S., to Chemcat Corporation. Catalyst treatment and process for using treated catalyst. 4,824,814, 4-25-89, Cl. 502-22.000.
Elvin, Frank J., to Chemcat Corporation. Hydrogen production and catalyst demetallization process. 4,828,684, 5-9-89, Cl. 208-251.00H.
Elwell, Dennis L., to Dee Zee, Inc. Truck bed liner and method of forming same. 4,802,705, 2-7-89, Cl. 296-39.200.
Elwer, Michael: *See—*
  Kristof, John J.; and Elwer, Michael, 4,846,122, Cl. 123-179.00F.
Elwood, James K., to Eastman Kodak Company. Magenta filters. 4,889,410, 12-26-89, Cl. 350-317.000.
Ely, Dale A.: *See—*
  Ely, Donald B.; Ely, Dale A.; and Anderson, Eric W., 4,796,884, Cl. 272-113.000.
Ely, Donald A., to Beloit Corporation. Dryer felt run. 4,850,121, 7-25-89, Cl. 34-116.000.
Ely, Donald B.; Ely, Dale A.; and Anderson, Eric W., to Coop Design, Inc. Child's play set with a lift system. 4,796,884, 1-10-89, Cl. 272-113.000.
Ely, Gary W., to Coe Manufacturing Company, The. Lathe charger centering with log scanning during rotation and lateral movement of spindles. 4,884,605, 12-5-89, Cl. 144-357.000.
Ely, James E.; and Saylor, Steven D., to BASF Corporation. Portable flexographic proofer device. 4,852,486, 8-1-89, Cl. 101-218.000.
Ely, Stephen R.; and Olsen, George P., to Amoco Corporation. Process for treatment of wastewater. 4,826,600, 5-2-89, Cl. 210-603.000.
Ely, Stephen W.: *See—*
  Mentzer, Robert M., Jr.; Ely, Stephen W.; Lasley, Robert D.; and Berne, Robert M., 4,880,783, Cl. 514-46.000.
Elze Company, Ltd.: *See—*
  Mori, Tetsuya; and Tamazumi, Hitoshi, 4,800,655, Cl. 34-77.000.
Elze, Karl H. Patient moving means for hospital bed. 4,799,273, 1-24-89, Cl. 5-81.00R.
Elzenbeck, Manfred: *See—*
  Vogtherr, Burkhard; and Elzenbeck, Manfred, 4,840,426, Cl. 297-300.000.
Elzer, Albert; Sanner, Axel; Schupp, Hans; and Beck, Erich, to BASF Aktiengesellschaft. Photosensitive element for producing printing plates or resist images. 4,842,987, 6-27-89, Cl. 430-281.000.
Elzinga, Eugene R., Jr.: *See—*
  Cody, George D.; Elzinga, Eugene R., Jr.; Callegari, Andrew J.; and Cohen, Roger W., 4,877,488, Cl. 201-1.000.
EM Diagnostic Systems, Inc.: *See—*
  McGeehan, John K., 4,820,627, Cl. 435-4.000.
EM Microelectronic Marin SA: *See—*
  Juan, Alain; and Vuilleumier, Jean-Claude, 4,835,846, Cl. 29-840.000.
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  Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; and Akedo, Jun, 4,823,001, Cl. 250-231.0SE.
  Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; Akedo, Jun; Harigaya, Makoto; and Ide, Yasushi, 4,840,922, Cl. 437-129.000.
Ema, Kenji: *See—*
  Fukuda, Yoshiaki; Miyasaka, Takeshi; Matsumoto, Iori; Kato, Nobukatsu; and Ema, Kenji, 4,797,242, Cl. 264-108.000.
Ema, Noriyuki: *See—*
  Sakakibara, Yoshio; Akiyama, Ryo; Inatomi, Shoichi; and Ema, Noriyuki, 4,864,553, Cl. 369-50.000.
Ema, Taiji; and Yabu, Takashi, to Fujitsu Limited. Semiconductor memory device with wirings having ensured cross-sections. 4,807,017, 2-21-89, Cl. 357-68.000.
Ema, Takehiro, to Kabushiki Kaisha Toshiba. X-ray image-processing apparatus utilizing grayscale transformation. 4,802,093, 1-31-89, Cl. 364-413.230.
Ema, Takehiro, to Kabushiki Kaisha Toshiba. X-ray imaging system. 4,837,796, 6-6-89, Cl. 378-154.000.
Emadi, Athahusain; and Mignogna, Daniel J., to AMP Incorporated. High voltage contact assembly. 4,834,678, 5-30-89, Cl. 439-701.000.
EMAG Maschinenfabrik GmbH: *See—*
  Hebbruggen, Norbert, 4,813,311, Cl. 82-117.000.
Emami, Alan: *See—*
  Yu, Chorng-Tao; Fisk, Michael A.; and Emami, Alan, 4,886,954, Cl. 219-390.000.
Emamjomeh, Ali: *See—*
  Hilton, Robert; Emamjomeh, Ali; and Belani, Jagdish, 4,876,587, Cl. 357-70.000.
Emanuel Designs Limited: *See—*
  Emanuel, Elizabeth, 4,816,004, Cl. 450-55.000.
Emanuel, Elizabeth, to Emanuel Designs Limited. Means for providing uplift to the female bust. 4,816,004, 3-28-89, Cl. 450-55.000.
Emanuelsen, Karl J., to Trio Industrier A/S. Improvement in gutting machines for fish. 4,811,460, 3-14-89, Cl. 17-51.000.
Emanuelsen, Karl J., to Trio Industrier A/S. Arrangement in machines for gutting fish. 4,815,167, 3-28-89, Cl. 17-52.000.
Embach, James T., to General Motors Corporation. Touchscreen CRT with tactile feedback. 4,885,565, 12-5-89, Cl. 340-407.000.
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  Wilson, Peter W., 4,829,866, Cl. 83-560.000.
Emberson, John E., to Enpoco Limited. Drainage element. 4,832,375, 5-23-89, Cl. 285-4.000.
Embery, John M.: *See—*
  Wong, Walter; Embery, John M.; and Morris, Richard W., 4,870,525, Cl. 360-137.000.
Emblem, Harold G.; Jones, Kenneth; and Boulton, Jonathan M., to Clinotherm Limited. Process for the preparation of a ceramic fiber. 4,810,441, 3-7-89, Cl. 264-56.000.
Emblin, Robert T. Multiple panel metal roofing system with overlapping panel edges. 4,864,781, 9-12-89, Cl. 52-58.000.
Embree, David M.; and Logan, Shawn M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. High frequency CMOS oscillator. 4,853,655, 8-1-89, Cl. 331-116.0FG.
Embree, David M.; and Logan, Shawn M., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. High frequency VLSI oscillator. 4,887,053, 12-12-89, Cl. 331-116.0FE.
Embring, Goran P.: *See—*
  Bjurling, Per A.; Ryf, Martin; and Embring, Goran P., 4,864,178, Cl. 310-334.000.
Embry, James: *See—*
  Foti, Michael; and Embry, James, 4,840,855, Cl. 429-120.000.
Embry, William L.: *See—*
  Grote, Dace; Embry, William L.; and Barnett, Kenneth W., 4,827,845, Cl. 502-406.000.
emc-tamaco a/s: *See—*
  Madsen, Erik; and Kroman, Flemming, 4,878,702, Cl. 292-307.000.
Emcore, Inc.: *See—*
  Schumaker, Norman E.; Stall, Richard A.; Nelson, Craig R.; and Wagner, Wilfried R., 4,838,983, Cl. 156-613.000.
Emeny, William L., Jr.: *See—*
  Murphy, Patrick J.; Emeny, William L., Jr.; and Finlay, David A., Sr., 4,872,081, Cl. 361-117.000.
Emergency One, Inc.: *See—*
  Ewers, Ronald L.; and McCombs, William F., 4,811,804, Cl. 180-53.800.
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  Holtvluwer, Douglas C., 4,859,988, Cl. 340-471.000.
Emeric, Dario A.; Miller, Christopher E.; Westich, Bryan; and Whiting, Lisa R., to United States of America, Army. Protective coating for steel surfaces and method of application. 4,880,478, 11-14-89, Cl. 148-248.000.
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  Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., 4,799,616, Cl. 228-125.000.
  Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., 4,869,418, Cl. 228-37.000.
Emerson, Debora L. Hypodermic needle-cap handling device. 4,846,803, 7-11-89, Cl. 604-263.000.
Emerson, Donald L., Jr. Air brake adjustment marker. 4,879,964, 11-14-89, Cl. 116-28.00R.
Emerson Electric Co.: *See—*
  Arensmeier, Jeffrey N.; and Haul, Robert W., 4,827,397, Cl. 364-186.000.
  Aussieker, David F.; Baker, Gerald N.; and Bushor, Ray E., 4,843,705, Cl. 29-598.000.
  Babb, Larry F.; and Rutkowski, Michael J., 4,795,175, Cl. 279-1.00A.
  Barker, Alan R., 4,886,990, Cl. 310-184.000.
  Borcherding, Gary W., 4,883,408, Cl. 416-93.00R.
  Bowsky, Benjamin; Honkomp, Glenn A.; Burrows, Larry G.; and Wilson, Edward E., 4,803,136, Cl. 429-56.000.
  Bowsky, Benjamin, 4,804,396, Cl. 65-59.270.

  Bowsky, Benjamin, 4,888,039, Cl. 65-139.000.
  Brown, Bernard T.; and Moore, Dwain F., 4,828,016, Cl. 165-12.000.
  Brown, William J., 4,827,564, Cl. 16-18.00R.
  Carrigan, Erwin R.; Johnson, Harold R., III; and Phillips, Allyn E., 4,794,811, Cl. 74-458.000.
  Cunningham, Donald M., 4,879,453, Cl. 219-213.000.
  Daniels, Nicholas R., 4,839,549, Cl. 310-68.00E.
  Davis, Dwayne, 4,841,418, Cl. 362-223.000.
  Dohogne, L. Ranney; and Heilman, Raymond D., 4,841,183, Cl. 310-90.000.
  Dohogne, L. Ranney, 4,847,527, Cl. 310-218.000.
  Gress, Paul W.; and Wesebaum, Paul E., 4,811,639, Cl. 82-110.000.
  Haul, Robert W., 4,843,830, Cl. 62-59.000.
  Henderson, William R., 4,811,616, Cl. 74-421.00A.
  Honkomp, Glenn A.; and Burrows, Larry G., 4,811,831, Cl. 198-394.000.
  Hult, David R.; and Tomasiak, Mark J., 4,864,681, Cl. 15-367.000.
  Hult, David R.; and Young, Jeffrey L., 4,888,849, Cl. 15-327.00F.
  Hwang, Shin L.; and Claghorn, Roger O., 4,865,576, Cl. 474-114.000.
  Johnson, Harold R., III, 4,884,916, Cl. 403-370.000.
  Lewis, John G., 4,801,831, Cl. 310-91.000.
  Lewis, John G., 4,882,832, Cl. 29-596.000.
  Lloyd, Jerry D., 4,845,837, Cl. 29-598.000.
  Maurice, James; Collins, David J.; Hall, Michael O.; and McLoughlin, Peter D., 4,857,819, Cl. 318-778.000.
  Mertz, Denny W., 4,805,870, Cl. 251-129.150.
  Metzger, James I., Jr.; and Claghorn, Roger O., 4,846,036, Cl. 83-438.000.
  Newberg, Barry M., 4,882,510, Cl. 310-63.000.
  Obradovic, Ilija J., 4,819,460, Cl. 68-23.700.
  Patel, Mahendra K., 4,829,410, Cl. 362-147.000.
  Redman, James C., 4,819,527, Cl. 82-165.000.
  Royer, Neal B., 4,862,581, Cl. 29-596.000.
  Steiner, Robert E.; and Stanek, Terrence L., 4,822,533, Cl. 261-72.100.
  Steiner, Robert E.; and Stanek, Terrence L., 4,865,775, Cl. 261-24.000.
  Teaford, Richard L.; Honkomp, Glenn A.; and Hall, Donald H., 4,833,049, Cl. 429-181.000.
  Terpstra, Daniel A.; and Plume, Steven H., 4,882,962, Cl. 83-812.000.
  Tomiser, Frank J., Jr., 4,811,623, Cl. 74-547.000.
  Wallick, Claude R., Jr.; and Schmitt, Thomas J., 4,834,216, Cl. 182-165.000.
  Wallner, Manfred J., 4,861,963, Cl. 219-121.480.
  Wallner, Manfred J., 4,864,097, Cl. 219-121.520.
  Wiegand, Charles F.; and Stanek, Terrence L., 4,828,115, Cl. 206-576.000.
  Young, Jeffrey L., 4,837,899, Cl. 24-16.00R.
  Zaleski, Stephen J., 4,870,527, Cl. 361-44.000.
Emerson, Keith R.: *See—*
  Clive, Robert J.; and Emerson, Keith R., 4,825,333, Cl. 361-154.000.
Emerson, Kenneth D. Ski binding for mountain skiing. 4,854,605, 8-8-89, Cl. 280-615.000.
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  Sharkey, Richard B.; and Emerson, Robert T., 4,837,584, Cl. 346-1.100.
Emerson, Thomas E., Jr.; and Redens, Thomas B., to Miles Laboratories, Inc. Method of decreasing lung damage in a host following the onset of gram negative septicemia/endotoxemia. 4,829,054, 5-9-89, Cl. 514-21.000.
Emerson, Wayne C., to Acme Electric Corporation. Dielectric strength tester. 4,799,130, 1-17-89, Cl. 361-437.000.
Emert, Jacob; Waddoups, Malcolm; and Lundberg, Robert D., to Exxon Chemical Patents Inc. Dispersant additives mixtures for oleaginous compositions. 4,863,624, 9-5-89, Cl. 252-51.50A.
Emert, Jacob: *See—*
  Chen, Frank J.; Emert, Jacob; Lundberg, Robert D.; and Giffin, Gregory C., 4,849,572, Cl. 585-525.000.
  Gutierrez, Antonio; Emert, Jacob; Kleist, Robert A.; and Waddoups, Malcolm, 4,839,073, Cl. 252-51.50A.
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  Emery, Leo D.; and Taulbee, Meryl, 4,852,236, Cl. 29-402.110.
Emery, David C.; Field, David G.; and Leck, Derek C., to Harris Graphics Corporation. Ink fountain closure system. 4,854,234, 8-8-89, Cl. 101-364.000.
Emery, Franklin T.; and Harrold, Ronald T., to Electric Power Research Institute, Inc. System and method for detecting arcing in dynamoelectric machines. 4,853,818, 8-1-89, Cl. 361-33.000.
Emery, Jack K.; and Dent, Michael B., to C.A. Picard, Inc. Apparatus and method of automatically punching hole patterns in sheets of material. 4,817,477, 4-4-89, Cl. 83-23.000.
Emery, Leo D.; and Taulbee, Meryl, to Emery Corporation. Method of repairing a worn wobbler housing for a constant-speed drive. 4,852,236, 8-1-89, Cl. 29-402.110.
Emery, Leonard M.: *See—*
  Broadwin, Alan; Kreizman, Alexander; Puiam, Chana; Podany, Vaclav O.; and Emery, Leonard M., 4,827,911, Cl. 128-24.00A.
Emery, Leslie M. Miniature forge. 4,875,854, 10-24-89, Cl. 432-120.000.
Emery, Michael F., to Oven Systems, Inc. Drying of metal hydroxide sludge. 4,827,853, 5-9-89, Cl. 110-223.000.
Emery, Phillip L., to Penda Corporation. Non-invasive fastener for a truck bed liner. 4,850,633, 7-25-89, Cl. 296-39.200.
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  Chang, Shih-Jeh; Emery, Richard T.; Hakim, Shafik J.; Ho, Jen-Lie; Janssen, Paul E.; and McCullagh, Carol M., 4,818,984, Cl. 340-825.540.
EMF Corporation: *See—*
  McCormick, Walter A.; Langton, Douglas W.; Kellum, James; McKelvy, Steve; and Phillips, Greg, 4,817,934, Cl. 271-296.000.
Emhart Enterprises Corp.: *See—*
  Kreider, Hans; and Mueller, Manfred, 4,799,842, Cl. 411-171.000.
  Schmitt, Klaus G.; and Schmidt, Wolfgang, 4,797,529, Cl. 219-99.000.
Emhart Industries, Inc.: *See—*
  Adams, George W.; Smock, Steven W.; and Helft, Ross G., 4,841,496, Cl. 368-107.000.
  Albert, Barry R., 4,822,111, Cl. 301-63.0DD.
  Amonett, Daniel K., 4,841,110, Cl. 200-574.000.
  Andersen, Robert P.; Scott, Paul F.; and Vozenilek, Edward F., 4,888,824, Cl. 324-61.00R.
  Andrejasich, Raymond J.; Slocum, Laurence S.; and Clarkson, Bruce A., 4,835,521, Cl. 340-521.000.
  Andrejasich, Raymond J; Slocum, Laurence S.; and Mussmann, Sara M., 4,835,522, Cl. 340-521.000.
  Arnold, Brian, 4,814,037, Cl. 156-321.000.
  Baker, Russ J.; Hansen, Robert A.; Scott, Paul F.; and Vozenilek, Edward F., 4,862,062, Cl. 324-61.00R.
  Blake, Jeffrey T., 4,836,003, Cl. 72-44.000.
  Braithwaite, David, 4,810,278, Cl. 65-267.000.
  Braithwaite, David, 4,868,471, Cl. 318-567.000.
  Burgin, Henry E., 4,797,515, Cl. 200-38.00R.
  Clarkson, Bruce A.; and MacIntyre, Steven A., 4,831,360, Cl. 340-521.000.
  Clarkson, Bruce A.; Frere, Ronald J.; Loughlin, Thomas G.; Taylor, William W., Jr.; and Mongeau, Peter, 4,848,115, Cl. 70-276.000.
  Clarkson, Bruce A.; and MacIntyre, Steven A., 4,855,714, Cl. 340-521.000.
  Clouser, Michael T., 4,871,939, Cl. 310-332.000.
  Cole, Ronald E., 4,800,731, Cl. 62-233.000.
  Cole, Ronald E., 4,811,312, Cl. 368-107.000.
  Cole, Ronald E., 4,814,556, Cl. 200-38.00R.
  Cole, Ronald E., 4,835,978, Cl. 62-137.000.
  Cole, Ronald E., 4,866,948, Cl. 62-233.000.
  Donahue, William R., Jr., 4,889,316, Cl. 251-129.150.
  Douglas, Robert J.; and Trahan, Albert J., 4,888,040, Cl. 65-307.000.
  Duncan, Robert J.; and McLean, Jean A., 4,862,510, Cl. 382-8.000.
  Eder, Robert L., 4,796,484, Cl. 74-568.00T.
  Elmore, John M., III, 4,797,007, Cl. 374-143.000.
  Farassat, Farhad, 4,878,609, Cl. 228-4.500.
  Fenton, Frank A., 4,824,460, Cl. 65-68.000.
  Foster, Thomas V.; Jones, Stanley P.; and Alderson, David L., 4,798,617, Cl. 65-25.100.
  Foster, Thomas V., 4,826,524, Cl. 65-323.000.
  Frolov, George, 4,839,508, Cl. 235-477.000.
  Frolov, George, 4,843,851, Cl. 70-277.000.
  Gardner, E. Boyd, 4,876,652, Cl. 364-473.000.
  Germain, Robert A.; and Portz, William E., 4,848,073, Cl. 56-400.170.
  Giometti, Stephen M.; and Shay, Timothy W., 4,837,707, Cl. 364-552.000.
  Hanson, Raymond; Allen, Christopher M.; Albert, Karl-Heinz; and von Voithenberg, Hubertus, 4,846,919, Cl. 156-307.500.
  Hawkswell, Victor T., 4,852,247, Cl. 29-740.000.
  Jackson, Rodney P.; and Vancelette, Stanley R., 4,815,202, Cl. 29-741.000.
  Jackson, Rodney P., 4,815,203, Cl. 29-741.000.
  Jackson, Rodney P.; and Kaminsky, Naum M., 4,815,204, Cl. 29-741.000.
  Jesson, George; and Arnold, Larry J., 4,836,730, Cl. 411-387.000.
  Knoth, Werner-Dieter; and Nebelung, Hermann H., 4,813,995, Cl. 65-230.000.
  Kulig, Constantine W., 4,813,994, Cl. 65-334.000.
  Lavelle, Gary E., 4,887,442, Cl. 70-143.000.
  Lipp, Ellis P., 4,857,678, Cl. 200-16.00R.
  Mandell, Russell F., 4,888,974, Cl. 72-391.000.
  Mauer, Dieter; and Renner, Wolf, 4,836,728, Cl. 411-43.000.
  Michel, Hilary; and Slocum, Laurence S., 4,835,717, Cl. 364-558.000.
  Miller, Theodore H.; and Miller, Theodore H., 4,801,163, Cl. 292-92.000.
  Miller, Theodore H., deceased; and Slusarski, Ronald S., 4,875,722, Cl. 292-92.000.
  Peterson, George T., 4,826,523, Cl. 65-165.000.
  Piacenti, Frank; and Ferrante, Pat, 4,812,095, Cl. 411-188.000.
  Pinkerton, Steven J.; Mungovan, John P.; Suomala, John E.; and Austin, Steven A., 4,816,057, Cl. 65-164.000.
  Pinkerton, Steven J., 4,867,778, Cl. 65-318.000.
  Ray, Donald L.; and Lipp, Ellis P., 4,868,354, Cl. 200-17.00R.
  Reindl, Johan, 4,867,400, Cl. 248-68.100.
  Rollins, Joseph M., 4,811,012, Cl. 340-825.310.
  Scott, Paul F.; Button, Donald C.; Reeves, Charles B.; and Howerter, Edward D., 4,820,972, Cl. 324-61.00P.
  Scott, Paul F., 4,870,342, Cl. 324-61.00R.
  Shay, Timothy W., 4,865,447, Cl. 356-240.000.
  Smock, Steven W.; and Helet, Ross G., 4,868,997, Cl. 34-53.000.
  Sooy, Robert J.; and Jackson, Rodney P., 4,829,661, Cl. 29-741.000.

Speer, Gregg V.; and Ray, Donald L., 4,855,543, Cl. 200-61.270.
Speer, Gregg V.; and Petre, Mark L., 4,870,228, Cl. 200-4.000.
Trahan, Albert J.; and Douglas, Robert J, 4,836,839, Cl. 65-323.000.
Trahan, Albert J., 4,836,842, Cl. 65-362.000.
Trahan, Albert J., 4,838,921, Cl. 65-229.000.
Trahan, Albert J.; and Douglas, Robert J., 4,889,549, Cl. 65-314.000.
Ward, Kathleen E.; and Blewitt, Mary E., 4,845,490, Cl. 340-825.310.
Weaver, Robert F., 4,801,908, Cl. 335-80.000.
Weber, Richard G., 4,836,008, Cl. 72-391.000.
Williams, Reade; and Scott, Paul F., 4,816,668, Cl. 250-223.00B.
Wright, Douglas W., 4,859,227, Cl. 65-334.000.
Wright, Douglas W.; and Menard, Alan W., 4,869,746, Cl. 65-334.000.
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Zsifkovits, Johann, 4,878,935, Cl. 65-323.000.

Emi, Kenji: *See—*
Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.

EMI Limited: *See—*
Best, John E.; LeMay, Christopher A. G.; Hounsfield, Godfrey N.; and Froggatt, Robert J., 4,843,618, Cl. 378-4.000.
Coates, Philip V., 4,816,919, Cl. 358-227.000.
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Ruthen, Graham J., 4,825,766, Cl. 102-215.000.
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Emig, Peter; Engel, Juergen; Scheffler, Gerhard; Weischer, Carl H.; and Nickel, Bernd, to Asta Pharma Aktiengesellschaft. 2,6-diamino-3-halobenzylpyridines and processes for their manufacture as well as their use in pharmaceuticals. 4,851,420, 7-25-89, Cl. 514-352.000.

Emig, Reiner: *See—*
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Emil Bender, Firma: *See—*
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Emil Freiwald: *See—*
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Emile Pfalzgraf "EPB", S.A.: *See—*
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Emiliani, Giovanni; Nati, Maurizio; and Sangiorgio, Elio, to Nuova C.O.P.M.A. S.p.A. Apparatus for loading and unloading palletized material into and from isothermal delivery wagons or containers. 4,810,160, 3-7-89, Cl. 414-543.000.

Emily, Peter: *See—*
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Eminent Technology, Inc.: *See—*
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Eminger, Harry E., to Crosby Valve & Gage. Adjustable seat assembly for a valve. 4,844,410, 7-4-89, Cl. 251-159.000.

Emitec Gesellschaft fur Emissionstechnologie mbH: *See—*
Cyron, Theodor; Vierkotter, Manfred; and Hetzelberger, Rolf, 4,842,954, Cl. 428-593.000.
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Cyron, Theodor, 4,885,269, Cl. 502-439.000.
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Emmenthal, Klaus-Dieter; Muller, Claus; and Schafer, Otto, to Volkswagen AG. Spiral displacement machine for compressible media with embossed sheet metal seal strip. 4,818,199, 4-4-89, Cl. 418-55.000.

Emmenthal, Klaus-Dieter; Muller, Claus; and Schaafer, Otto, to Volkswagen AG. Drive assembly with different eccentricities. 4,832,586, 5-23-89, Cl. 418-55.000.

Emmer, Hans, to Eltreva AG. Facade system of metal sections. 4,809,475, 3-7-89, Cl. 52-235.000.

Emmer, Hans, to Eltreva AG. Facade structure. 4,854,098, 8-8-89, Cl. 52-398.000.

Emmerling, Winfried; Podola, Tore; and Wichelhaus, Juergen, to Henkel Kommanditgesellschaft auf Aktien. Diurethanes as stabilizing additives in sealing compounds. 4,824,888, 4-25-89, Cl. 524-199.000.

Emmerling, Winfried; and Podola, Tore, to Henkel Kommanditgesellschaft auf Aktien. Alkoxysilane-terminated, moisture-hardening polyurethanes and their use in adhesives and sealing compositions. 4,857,623, 8-15-89, Cl. 528-28.000.

Emmerling, Winfried: *See—*
Gonzalez, Rene- Andres A.; Emmerling, Winfried; Podola, Tore; and Neitzer, Klaus, 4,820,789, Cl. 528-55.000.
Gonzalez, Rene-Andres A.; Emmerling, Winfried; Krause, Werner; Podola, Tore; and Neitzer, Klaus, 4,861,863, Cl. 528-408.000.

Emmett, David M.; Hughes, John H.; and Zimmerman, Alan, to Brenson, Inc. Registration system for an electrostic printer/plotter. 4,829,326, 5-9-89, Cl. 346-157.000.

Emmett, David M.: *See—*
Kamas, Peter; Hardy, Douglas A.; and Emmett, David M., 4,804,979, Cl. 346-157.000.

Emmett, John C.: *See—*
Ellis, David; Emmett, John C.; Underwood, Anthony H.; and Leeson, Paul D., 4,826,876, Cl. 514-535.000.

Emmett, Robert: *See—*
Walmsley, Owen, 4,822,203, Cl. 403-314.000.

Emming, Joseph L., to J. I. Case Company. Trencher crumber assembly. 4,827,636, 5-9-89, Cl. 37-86.000.

Emmitte, John P., Jr. Hydraulic flange seal clamp. 4,813,456, 3-21-89, Cl. 138-90.000.

Emmons, David J. Face plate and electrical component assembly. 4,837,406, 6-6-89, Cl. 174-57.000.

Emmons, Donald A., to Frequency and Time Systems, Inc. System for producing spectrally pure optical pumping light. 4,862,101, 8-29-89, Cl. 330-4.300.

Emmons, Thomas R.: *See—*
Lundstrom, Robert W.; and Emmons, Thomas R., 4,862,127, Cl. 335-257.000.

Emmons, William D.; and Winkle, Mark R., to Rohm and Haas Company. Electrophoretically depositable photosensitive polymer composition. 4,877,818, 10-31-89, Cl. 522-26.000.

Emmons, William D.: *See—*
Hirsekorn, Federick J.; and Emmons, William D., 4,814,398, Cl. 525-530.000.
Novak, Ronald W.; and Emmons, William D., 4,886,618, Cl. 252-188.280.

Emmrich, Kurt: *See—*
Eiserlo, Friedrich; and Emmrich, Kurt, 4,854,948, Cl. 55-105.000.

Emo, Stephen M.; and Kinney, Terrance R., to Allied-Signal Inc. Optic switch and speed sensor. 4,843,232, 6-27-89, Cl. 250-225.000.

Emo, Stephen M.: *See—*
Kinney, Terrance R.; Emo, Stephen M.; and Poorman, Richard N., 4,852,079, Cl. 370-3.000.

Emody, Kenneth J., to Jet Spray Corp. Post mix dispenser. 4,856,676, 8-15-89, Cl. 222-66.000.

Emoedi, Gabriel, to Intex Pharmazeutische Produkte AG. Calcium and magnesium complexes of phytohemagglutinin-polyheteroglycans, their preparation and pharmaceutical formulations. 4,855,284, 8-8-89, Cl. 514-8.000.

Emogene Kimak: *See—*
Kimak, Daniel, 4,862,524, Cl. 4-192.000.

Emon, Randall S. Auxiliary door lock for a powered garage door. 4,884,831, 12-5-89, Cl. 292-38.000.

Emonds-Alt, Xavier: *See—*
Breliere, Jean C.; Emonds-Alt, Xavier; and Garcia, Georges, 4,876,248, Cl. 514-108.000.

Emori, Hiroshi: *See—*
Goi, Kouichi; Emori, Hiroshi; and Sato, Daiki, 4,841,144, Cl. 250-239.000.

Emori, Kenji: *See—*
Hagiwara, Yoshichi; Kimura, Naoya; and Emori, Kenji, 4,865,954, Cl. 430-323.000.

Emori, Shinji: *See—*
Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,827,327, Cl. 357-71.000.
Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,875,087, Cl. 357-71.000.

Emori, Yasuyoshi; Ohsaki, Hiroshi; and Nomura, Ikuo, to Jidosha Kiki Co., Ltd. Hydraulic reaction force apparatus for power steering system. 4,877,100, 10-31-89, Cl. 180-143.000.

Emory, John E., Jr., to Big Jon, Inc. Downrigger actuator. 4,807,396, 2-28-89, Cl. 43-27.400.

Emory, John E., Jr., to Big Jon, Inc. Cable penetration plug. 4,809,937, 3-7-89, Cl. 248-56.000.

Emory University: *See—*
Chu, Chung K.; and Schinazi, Raymond F., 4,841,039, Cl. 536-29.000.
Hill, Craig L., 4,839,008, Cl. 204-157.150.
Hill, Craig L., 4,864,041, Cl. 549-513.000.
Hunter, Robert L.; and Duncan, Alexander, 4,837,014, Cl. 424-78.000.
Hunter, Robert L.; and Duncan, Alexander, 4,873,083, Cl. 424-83.000.
Hunter, Robert L., 4,879,109, Cl. 424-83.000.
Poppendiek, Heinz F.; Sabin, Cullen M.; and Heymsfield, Steven B., 4,832,042, Cl. 128-730.000.

Emoto, Minoru: *See—*
Aizawa, Koichi; Sewa, Shingo; Mizushima, Kiyoshi; and Emoto, Minoru, 4,824,903, Cl. 524-772.000.

Emoto, Naoyoshi: *See—*
Murata, Shizuo; Emoto, Naoyoshi; Furukawa, Kenji; Kunimune, Kouichi; Kobayashi, Ryuji; and Tanaka, Masami, 4,864,008, Cl. 528-125.000.

Emoto, Takao, to Kabushiki Kaisha Toshiba. 3-phase bridge converting circuit module. 4,862,344, 8-29-89, Cl. 363-147.000.

EMP Connectors, Inc.: *See—*
Meelhuysen, Edgar R., 4,846,732, Cl. 439-620.000.

Empak, Inc.: *See—*
Gregerson, Barry; Dressen, Larry; and Mortensen, Roger L., 4,817,799, Cl. 206-445.000.
Gregerson, Barry, 4,838,422, Cl. 206-444.000.
Gregerson, Barry; and Dressen, Larry, 4,865,190, Cl. 206-309.000.

Empi, Inc.: *See—*
Johnson, Michael T. V.; and Maurer, Donald D., 4,881,526, Cl. 128-24.500.
Maurer, Donald D., 4,873,996, Cl. 128-844.000.
Morawetz, Peter L.; and Ioffe, Zosim, 4,887,603, Cl. 128-422.000.
Nippoldt, Robert H.; Rocheleau, Gary A.; and Wright, Thomas C., 4,798,197, Cl. 128-25.00R.
Wright, Thomas C., 4,807,601, Cl. 128-25.00R.

Empire Products, Inc.: *See—*
Newman, Albert P.; and Kamp, David C., 4,795,360, Cl. 439-278.000.

Empire Returns Corporation: *See—*
Weitzman, David H.; and Young, Jeffrey M., 4,829,428, Cl. 364-401.000.

Empire State Electric Energy Research Corporation: *See—*
Eager, George S., Jr.; Fryszczyn, Bogdan; and Thalmann, Ernest H., 4,888,886, Cl. 34-104.000.

Empl, Bernhard: *See—*
Rauscher, Elli; Schaich, Eugen; Neumann, Ulrich; Wahlefeld, August; Gruber, Wolfgang; and Empl, Bernhard, 4,818,692, Cl. 435-18.000.

Emplit, Raymond H.; and Daily, Donald Y., to Custom Controls Co., Inc. Level indicator control system for use with capacitance probes in tanks containing substances. 4,819,483, 4-11-89, Cl. 73-304.00C.

Empresa Cubana Importadora Y. Exportadora of Products Medicos, T/A Medicuba: *See—*
Aymerica del Valle, Alejandro A.; Capdet, Pablo A. P.; Suarez, Francisco A. F.; and Aguado, Efrain G., 4,809,688, Cl. 128-88.000.

Empresa Nacional Siderugica, S.A.: *See—*
Marin, Gerardo A.; Alonso, Enrique E.; and Sanchez, Juan-Francisco S., 4,863,569, Cl. 202-241.000.

Emptage, Richard S.: *See—*
Field, Ronald L.; and Emptage, Richard S., 4,886,996, Cl. 313-400.000.

Emrich, Robert K., to ESCO Corporation. Excavating tooth assembly. 4,811,505, 3-14-89, Cl. 37-142.00R.

EMS Electro Medical Systems S.A.: *See—*
Mabille, Pierre, 4,830,210, Cl. 215-309.000.

EMS Electronic Motor Systems AB: *See—*
Hedlund, Gunnar; and Lundberg, Henrik, 4,868,478, Cl. 318-696.000.

Ems-Inventa AG: *See—*
Annighofer, Frank; Schneider, Ewald; and Schultze, Hans-Joachim, 4,885,331, Cl. 524-539.000.
Gahwiler, Heinz U., 4,844,512, Cl. 285-39.000.
Hoppe, Manfred; and Torre, Hans D., 4,847,356, Cl. 528-346.000.

Emsens Antoine S.A.R.L.: *See—*
Emsens, Michel, 4,837,895, Cl. 17-1.00S.

Emsens, Michel, to Emsens Antoine S.A.R.L. Machine for the automatic production of kebabs of meat and/or vegetables threaded onto skewers. 4,837,895, 6-13-89, Cl. 17-1.00S.

Emslander, Jeffrey O., to Minnesota Mining and Manufacturing Company. Critical temperature indicating device. 4,846,095, 7-11-89, Cl. 116-206.000.

Emslie, Grant C. Money savings box. 4,871,112, 10-3-89, Cl. 232-4.00R.

Emsmann, Wulf: *See—*
Braun, Wolfgang; Emsmann, Wulf; Konrath, Karl; Krieger, Klaus; and Nothdurft, Heinz, 4,811,709, Cl. 123-357.000.

Emtage, John S.: *See—*
Boss, Michael A.; Kenten, John H.; Emtage, John S.; and Wood, Clive R., 4,816,397, Cl. 435-68.000.

Emtec Co., Ltd.: *See—*
Ozaki, Haruo, 4,864,779, Cl. 51-283.00E.

Emtek Health Care Systems: *See—*
Norden-Paul, Ronald E.; Fein, Murray A.; and Stewart, Sandra L., 4,878,175, Cl. 364-413.010.

Emter, James. Automatic dual side grinder. 4,823,649, 4-25-89, Cl. 76-41.000.

Emter, James. Regrinding apparatus for circular saws. 4,846,023, 7-11-89, Cl. 76-41.000.

EMU-ESU Industrial Co., Ltd.: *See—*
Ando, Takaharu, 4,842,288, Cl. 279-62.000.

Emuge-Werk Richard Glimpel Fabrik fur Prazisionwerkzeuge (vormals Moschkau & Glimpel): *See—*
Glimpel, Helmut; and Wenzel, Volker, 4,801,227, Cl. 409-234.000.

Emura, Izumi: *See—*
Kakizaki, Eiichi; and Emura, Izumi, 4,796,119, Cl. 360-96.500.

Emura, Masaharu; and Kobayashi, Takehiro, to Ryobi Limited. Clutch mechanism for use in fishing reels. 4,824,046, 4-25-89, Cl. 242-220.000.

Emura, Masaharu, to Ryobi Ltd. Rotor-locking mechanism for a fishing reel. 4,881,699, 11-21-89, Cl. 242-248.000.

Emura, Noriaki: *See—*
Inoue, Hiroshi; Kato, Toshikazu; Otsuru, Masaaki; and Emura, Noriaki, 4,820,801, Cl. 528-388.000.
Inoue, Hiroshi; Kato, Toshikazu; Tomagou, Satoshi; and Emura, Noriaki, 4,840,986, Cl. 524-436.000.
Inoue, Hiroshi; Kato, Toshikazu; and Emura, Noriaki, 4,845,190, Cl. 528-388.000.
Kato, Toshikazu; Inoue, Hiroshi, Tomagou, Satoshi; and Emura, Noriaki, 4,868,275, Cl. 528-212.000.
Sato, Masatoshi; Ogawara, Kensuke; and Emura, Noriaki, 4,883,702, Cl. 428-141.000.

Emura, Tatuo; and Ohba, Kiyoshi, to Kabushiki Kaisha Hokkaido Nissin. Method of making a soybean protein food product. 4,885,178, 12-5-89, Cl. 426-46.000.

En-Jian, Chen; Zhaorong, Lin; and Ly-ying, Chen. Heat pipe employing hydrogen oxidation means. 4,884,628, 12-5-89, Cl. 165-104.270.

En-tout-cas plc: *See—*
Hawkins, Paul; and Dachtler, John D., 4,852,870, Cl. 272-3.000.

Enamel Products & Plating Company: *See—*
Pellatiro, Leonard P., 4,817,424, Cl. 73-159.000.
Pellatiro, Leonard P., 4,865,872, Cl. 427-9.000.

Enami, Katsuya; Kawamura, Sinobu; Nagase, Fumio; and Aikawa, Shinichi, to Teac Corporation. Magnetic data transfer apparatus having improved transducer coil arrangement. 4,811,140, 3-7-89, Cl. 360-104.000.

Enami, Katsuya; and Tsuyuguchi, Hiroshi, to Teac Corporation. Disk drive circuit arrangement for the suppression of undesired index pulses. 4,870,514, 9-26-89, Cl. 360-61.000.

Enami, Katsuya: *See—*
Shoji, Makoto; and Enami, Katsuya, 4,825,309, Cl. 360-60.000.
Tsuyuguchi, Hiroshi; and Enami, Katsuya, 4,809,119, Cl. 360-73.000.

Enami, Kazumasa: *See—*
Murakami, Keinosuke; Enami, Kazumasa; and Yagi, Nobuyuki, 4,800,430, Cl. 358-160.000.

Enami Seiki Mfg. Co., Ltd.: *See—*
Enami, Toshiaki, 4,805,592, Cl. 126-273.00R

Enami, Toshiaki, to Enami Seiki Mfg. Co., Ltd. Joint construction for metal sheets. 4,805,592, 2-21-89, Cl. 126-273.00R.

Enami, Yasushi, to Bridgestone Corporation. Apparatus for adjusting a water level of a lock. 4,877,351, 10-31-89, Cl. 405-86.000.

Enami, Yasushi: *See—*
Muramatsu, Tateo; Saito, Hideaki; Takasaki, Mamoru; and Enami, Yasushi, 4,836,713, Cl. 405-115.000.

Enamito, Satoshi: *See—*
Arai, Yoshimasa; Enamito, Satoshi; and Oda, Noriyuki, 4,875,335, Cl. 60-274.000.
Oda, Noriyuki; Takehara, Tetsuo; and Enamito, Satoshi, 4,833,883, Cl. 60-311.000.

Enand, Rajiv: *See—*
Kahn, Gary S.; Pepper, Jeffrey A.; Kepner, Al N.; Richer, William; and Enand, Rajiv, 4,866,635, Cl. 364-513.000.

Enanoza, Rudyard M., to Minnesota Mining and Manufacturing Company. Acrylate hot melt adhesive containing zinc carboxylate. 4,851,278, 7-25-89, Cl. 428-195.000.

Enanoza, Rudyard M.: *See—*
Young, Chung I.; and Enanoza, Rudyard M., 4,833,179, Cl. 522-183.000.

Enari, Hiroyuki: *See—*
Kumazawa, Satoru; Ito, Atsushi; Sato, Nobuo; Saishoji, Toshihide; Hamada, Masahiro; Yamazaki, Shiro; and Enari, Hiroyuki, 4,863,505, Cl. 71-92.000.
Tanonaka, Takayuki; Yamauchi, Takashi; Enari, Hiroyuki; and Konai, Yutaka, 4,814,521, Cl. 568-741.000.

Enari, Masahiko; Aoki, Akio; and Hosoya, Hideki, to Canon Kabushiki Kaisha. Information recording medium. 4,811,321, 3-7-89, Cl. 369-59.000.

Enari, Masahiko; Yamashita, Shinichi; Omata, Satoshi; Kuno, Mitsutoshi; Inoue, Hiroshi; and Osada, Yoshiyuki, to Canon Kabushiki Kaisha. Display panel. 4,816,819, 3-28-89, Cl. 340-811.000.

Enari, Masahiko; Matsuoka, Hiroshi; Aoki, Akio; and Minoura, Kazuo, to Canon Kabushiki Kaisha. Information memory apparatus for reading out information from a moving recording medium. 4,831,243, 5-16-89, Cl. 235-436.000.

Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, to Canon Kabushiki Kaisha. Digital information signal recording apparatus. 4,862,292, 8-29-89, Cl. 360-8.000.

Enari, Masahiko; Aoki, Akio; Matsushita, Machiko; Matsuoka, Hiroshi; and Minoura, Kazuo, to Canon Kabushiki Kaisha. Information recording medium capable of accurately detecting the recording and reproduction starting positions and an information recording-reproducing method and apparatus therefor. 4,888,753, 12-19-89, Cl. 369-44.000.

Enari, Masahiko: *See—*
Hosoya, Hideki; Aoki, Akio; and Enari, Masahiko, 4,853,920, Cl. 369-59.000.
Kanno, Hideo; Yamashita, Shinichi; Omata, Satoshi; Enari, Masahiko; Kuno, Mitsutoshi; and Osada, Yoshiyuki, 4,881,066, Cl. 340-719.000.
Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, 4,824,218, Cl. 350-350.00S.
Mouri, Akihiro; Kitayama, Hiroyuki; Kaneko, Shuzo; Takahashi, Tohru; Enari, Masahiko; Kuno, Mitsutoshi; and Toyono, Tsutomu, 4,818,078, Cl. 350-350.00S.
Okada, Shinjiro; and Enari, Masahiko, 4,844,590, Cl. 350-350.00S.
Shindo, Hitoshi; Enari, Masahiko; and Kuno, Mitsutoshi, 4,802,744, Cl. 350-339.00F.
Yamashita, Shinichi; Enari, Masahiko; Kuno, Mitsutoshi; Mizutome, Atsushi; and Kanno, Hideo, 4,804,951, Cl. 340-719.000.

Enari, Nobuyuki: *See—*
Furuhashi, Kenshi; Ito, Hiroyasu; and Enari, Nobuyuki, 4,855,542, Cl. 200-61.270.

Enatsu, Akira: *See—*
Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.

Encaoua, Serge: *See—*
Sud, Emmanuel; Lelay, Jean-Pierre; and Encaoua, Serge, 4,811,061, Cl. 356-152.000.

Encellaz, Robert; and Ng Tong, Yong C. H., to Thomson-CGR. Device and method for adjusting a radiofrequency antenna of a nuclear magnetic resonance apparatus. 4,843,323, 6-27-89, Cl. 324-313.000.

Encicliati, Mario: *See—*
Rossini, Mauro; and Encicliati, Mario, 4,817,698, Cl. 160-107.000.

- Enck, Richard S.; and Meadows, F. Dan, to Picker International, Inc. Panel type radiation image intensifier. 4,855,589, 8-8-89, Cl. 250-213.0VT.
- Encon Industries, Inc.: *See*—
  - Markwardt, Herbert W., 4,878,806, Cl. 416-5.000.
- Encrenaz, Christian: *See*—
  - Vichon, Didier; Bardon, Dominique; and Encrenaz, Christian, 4,798,449, Cl. 350-358.000.
- Enda, Kozue: *See*—
  - Matsuo, Kohtaro; Ezaki, Youichirou; Tobe, Akihiro; Yamazaki, Satoshi; Enda, Kozue; and Kitsukawa, Mariko, 4,883,822, Cl. 514-680.000.
- Ende, Eberhard, to Gelenkwellenbau GmbH. Trunnion cross. 4,795,401, 1-3-89, Cl. 464-14.000.
- Ende, Eberhard, to Gelenkwellenbau GmbH. Universal joint of the cardan type. 4,880,405, 11-14-89, Cl. 464-14.000.
- Endebrock, Ed, to Hydraulic Services, Inc. Fuel pelletizing apparatus and method. 4,834,777, 5-30-89, Cl. 44-596.000.
- Endeco Inc.: *See*—
  - Brainard, Edward C., II, 4,865,210, Cl. 220-3.000.
- Endele, Richard: *See*—
  - Bosies, Elmar; Endele, Richard; and Pahlke, Wulf, 4,826,858, Cl. 514-340.000.
- Endelson, Robert A.: *See*—
  - Blank, Eric; and Endelson, Robert A., 4,881,560, Cl. 132-324.000.
- Endemann, Martin; and Hoeffgen, Hansjuergen, to Battelle-Institut e.V. Device for fast switching between different wavelengths of lasers. 4,823,351, 4-18-89, Cl. 372-20.000.
- Enderle, Eckhard; and Schepperle, Karl, to Carl-Zeiss-Stiftung. Probe head with self-contained electrical switch operated means for a coordinate-measuring machine. 4,815,214, 3-28-89, Cl. 33-832.000.
- Enderle, Eckhard; Kaufmann, Dieter; Muller, Helmut; and Andrzejewski, Thomas, to Carl-Zeiss-Stiftung, Heidenheim/Brenz. Articulating head for a coordinate-measuring instrument. 4,888,877, 12-26-89, Cl. 33-559.000.
- Enderle, Eckhard: *See*—
  - Aehnelt, Peter; and Enderle, Eckhard, 4,833,792, Cl. 33-558.000.
- Enderlin, Robert; Schutz, Richard A.; and Drean, Jean-Yves, to Superba S. A. Apparatus for automatic quality control of textile threads. 4,843,879, 7-4-89, Cl. 73-100.000.
- Enders, Irvin D. Collapsible cargo carrier. 4,822,065, 4-18-89, Cl. 280-47.331.
- Enders, Peter: *See*—
  - Bossler, Hans J.; Enders, Peter; Boxhammer, Jorg; Rudolph, Bernd; and Sebralla, Bruno, 4,884,008, Cl. 315-152.000.
- Enders, Rolf: *See*—
  - Distler, Klaus; Enders, Rolf; and Gohlich, Dieter, 4,828,787, Cl. 376-245.000.
- Endevco Corporation: *See*—
  - Wilner, Leslie B., 4,825,335, Cl. 361-283.000.
- Endicott, William L. Message center. 4,829,686, 5-16-89, Cl. 40-492.000.
- Endl, Josef: *See*—
  - Schetters, Hartmut; Endl, Josef; and Albert, Winfried, 4,876,189, Cl. 435-7.000.
- Endler, Wolfgang: *See*—
  - Czich, Erhard; Endler, Wolfgang; and Wagner, Juergen, 4,819,768, Cl. 188-196.00D.
  - Weiler, Rolf; and Endler, Wolfgang, 4,832,161, Cl. 188-73.440.
- Endo, Akihiko; Takeda, Shigeki; and Takeda, Hiroshi, to Kyocera Corporation. Synchronous tracking device for direct spread spectrum receiver. 4,841,545, 6-20-89, Cl. 375-1.000.
- Endo, Akira: *See*—
  - Katto, Hisao; Sugiura, June; Horino, Nozomi; Endo, Akira; Takeuchi, Yoshiharu; and Arakawa, Yuji, 4,830,977, Cl. 437-52.000.
  - Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.
- Endo, Azuchi: *See*—
  - Yamaguchi, Kiyoshi; Endo, Azuchi; and Sakamoto, Kiichiro, 4,876,567, Cl. 355-20.000.
- Endo, Fumio: *See*—
  - Kimura, Toshiyuki; Aoyagi, Yoshio; and Endo, Fumio, 4,855,979, Cl. 369-33.000.
  - Kimura, Toshiyuki; Aoyagi, Yoshio; and Endo, Fumio, 4,882,719, Cl. 369-32.000.
  - Kiyoura, Kazuhiro; Endo, Fumio; Kimura, Toshiyuki; Aoyagi, Yoshio; and Nakamura, Kazunari, 4,841,506, Cl. 369-32.000.
- Endo, Haruyoshi: *See*—
  - Misaizu, Kouei; Makimoto, Mitsuo; and Endo, Haruyoshi, 4,876,744, Cl. 455-326.000.
- Endo, Hideaki, to Oki Electric Industry Co., Ltd. Delay circuit device utilizing the Miller effect. 4,890,022, 12-26-89, Cl. 307-602.000.
- Endo, Hidehiro; Tanemoto, Kei; and Kubo, Hiroshi, to Nippon Steel Corporation. Sintered non-oxide ceramic composite. 4,837,231, 6-6-89, Cl. 501-91.000.
- Endo, Hideki; Hashimoto, Kazuto; and Kato, Kohji, to Idemitsu Petrochemical Company, Limited; and Nippon Zeon Co., Ltd. Polycarbonate composition. 4,833,203, 5-23-89, Cl. 525-67.000.
- Endo, Hideki: *See*—
  - Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.
- Endo, Hideo: *See*—
  - Hasegawa, Takao; and Endo, Hideo, 4,818,340, Cl. 162-125.000.
- Endo, Hiroshi; and Gotoh, Toshihiro, to Mitsubishi Yuka Badische Co., Ltd. Process for producing expanded particles of styrene-acrylonitrile-butadiene copolymer. 4,812,484, 3-14-89, Cl. 521-60.000.
- Endo, Hiroshi: *See*—
  - Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge Akihiko, 4,847,221, Cl. 501-98.000.
  - Okutomi, Tsutomu; Chiba, Seishi; Okawa, Mikio; Sekiguchi, Tadaaki; Endo, Hiroshi; and Yamashita, Tsutomu, 4,830,821, Cl. 419-25.000.
  - Takahashi, Sadatoshi; Ogawa, Hideki; and Endo, Hiroshi, 4,852,984, Cl. 350-454.000.
- Endo, Hiroyuki: *See*—
  - Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, 4,844,024, Cl. 123-188.500.
- Endo, Hisao: *See*—
  - Akao, Mutsuo; Endo, Hisao; Sata, Toshio; and Ishiguro, Masanori, 4,796,823, Cl. 242-71.800.
- Endo, Ichiro; Sato, Yasushi; Saito, Seiji; Nakagiri, Takashi; and Ohno, Shigeru, to Canon Kabushiki Kaisha. Bubble jet recording apparatus which projects droplets of liquid through generation of bubbles in a liquid flow path by using heating means responsive to recording signals. 4,849,774, 7-18-89, Cl. 346-140.00R.
- Endo, Isao: *See*—
  - Kumata, Katsuhiko; Endo, Isao; and Nishikimoto, Taro, 4,821,746, Cl. 131-282.000.
- Endo, Junji: *See*—
  - Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, 4,844,949, Cl. 427-213.000.
  - Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, 4,871,401, Cl. 148-14.000.
- Endo, Juro; Murakami, Shiro; Takada, Yukiharu; and Koike, Yoshiharu, to Hitachi Metals Ltd. Magnetic head having a stabilized zirconia slider. 4,835,640, 5-30-89, Cl. 360-103.000.
- Endo, Juro: *See*—
  - Dekura, Takateru; and Endo, Juro, 4,871,625, Cl. 428-695.000.
- Endo, Kaori: *See*—
  - Asano, Yasuhisa; Nakazawa, Akiko; Terashima, Shiro; Kondo, Kiyosi; Endo, Kaori; Hirai, Kenji, and Numao, Nagaori, 4,849,345, Cl. 435-106.000.
- Endo, Kaoru, to NEC Home Electronics Ltd. Spread spectrum power line communications. 4,864,589, 9-5-89, Cl. 375-1.000.
- Endo, Katsuhiro; and Imai, Yasumichi, to U.S. Philips Corporation. Amplitude modulation apparatus. 4,866,405, 9-12-89, Cl. 332-159.000.
- Endo, Katsunori: *See*—
  - Minamisawa, Tsuyoshi; Endo, Katsunori; and Kanoe, Toshio, 4,861,515, Cl. 252-299.010.
  - Minamisawa, Tsuyoshi; Endo, Katsunori; Ikegami, Eitaro; and Nezu, Shigeru, 4,874,800, Cl. 523-205.000.
- Endo, Katsuo; and Makino, Masahiro, to Sony Corporation. Screw for inseparably joining cassette members. 4,875,641, 10-24-89, Cl. 242-199.000.
- Endo, Kazue: *See*—
  - Kawai, Yoshio; Endo, Kazue; and Yoshimura, Makoto, 4,822,335, Cl. 604-20.000.
- Endo, Kazuhito; Ishida, Masayuki; and Ishida, Yoshinobu, to Mitsubishi Denki Kabushiki Kaisha. Magnetic recorder/reproducer. 4,835,627, 5-30-89, Cl. 360-32.000.
- Endo, Kazuo: *See*—
  - Kimura, Takashi; Kato, Takao; and Endo, Kazuo, 4,879,582, Cl. 357-23.120.
- Endo, Kazuyuki; Taniguchi, Motoaki; Yamada, Shigeki; Takahashi, Masanobu; and Kato, Kenshiro, to Bridgestone Corporation. Heavy duty pneumatic radial tires. 4,811,773, 3-14-89, Cl. 152-543.000.
- Endo, Keiji: *See*—
  - Kawakami, Shigenobu; Endo, Keiji; Dohi, Hideyuki; and Sato, Atsushi, 4,802,058, Cl. 361-315.000.
  - Konno, Kazuhiko; Araki, Kouichi; Sasaki, Norio; Endo, Keiji; Hikido, Mitsuru; and Sugaya, Kiyoshi, 4,816,064, Cl. 71-93.000.
  - Sato, Atsushi; Endo, Keiji; Kawakami, Shigenobu; Matsuzaki, Eiichi; and Narui, Satoshi, 4,803,238, Cl. 524-486.000.
  - Sato, Atsushi; Kawakami, Shigenobu; Endo, Keiji; and Dohi, Hideyuki, 4,870,221, Cl. 585-6.300
- Endo, Kenji; Nagata, Shinichi; and Uemura, Haruo, to Dainippon Screen Mfg. Co., Ltd. Optical system for effecting increased irradiance in peripheral area of object. 4,878,745, 11-7-89, Cl. 350-469.000.
- Endo, Kenji: *See*—
  - Nakano, Fumihito; Hagawa, Kiyoshi; Endo, Kenji; Wada, Kohei; and Jindou, Katsuya, 4,806,889, Cl. 333-202.000.
  - Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,810,068, Cl. 350-358.000.
  - Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,867,542, Cl. 350-358.000.
- Endo, Kenzo: *See*—
  - Fujimura, Koh; Endo, Kenzo; and Saito, Kohei, 4,832,460, Cl. 350-346.000.
- Endo, Kimikazu: *See*—
  - Tasaki, Hisashi; and Endo, Kimikazu, 4,879,744, Cl. 379-144.000.
- Endo, Kiyonobu, to Canon Kabushiki Kaisha. Optical information recording and reproducing apparatus. 4,812,020, 3-14-89, Cl. 350-409.000.

- Endo, Kiyoshi, to Terumo Kabushiki Kaisha. Connecting mechanism for electronic circuit board blanks. 4,851,964, 7-25-89, Cl. 361-397.000.
- Endo, Koji: *See*—
  - Okane, Yukihiro; Endo, Koji; and Nakai, Masayoshi, 4,802,456, Cl. 123-564.000.
- Endo, Makoto; and Saito, Yoshihiro, to Canon Kabushiki Kaisha. Electrophotographic apparatus. 4,814,834, 3-21-89, Cl. 355-14.00D.
- Endo, Makoto: *See*—
  - Yamamoto, Yasuhiro; and Endo, Makoto, 4,830,484, Cl. 353-25.000.
- Endo, Mamoru: *See*—
  - Hinenoya, Masayoshi; and Endo, Mamoru, 4,830,789, Cl. 660-546.000.
- Endo Manufacturing Co., Ltd.: *See*—
  - Kobayashi, Kenji, 4,852,880, Cl. 273-169.000.
  - Kobayashi, Kenji, 4,854,580, Cl. 273-77.00A.
- Endo, Masahiko: *See*—
  - Kobayashi, Yasuo; and Endo, Masahiko, 4,861,282, Cl. 439-540.000.
- Endo, Masaki: *See*—
  - Deziel, Robert; and Endo, Masaki, 4,841,043, Cl. 540-200.000.
- Endo, Masanori; and Watanabe, Kouichi, to Murata manufacturing Co., Ltd. Electric double layer capacitor. 4,876,631, 10-24-89, Cl. 361-502.000.
- Endo, Masao: *See*—
  - Asakura, Yamato; Endo, Masao; Uchida, Shunsuke; Matsuda, Masami; and Suzuki, Kazumichi, 4,831,324, Cl. 324-57.00R.
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Kaneda, Setsuo; and Yoshida, Yashutoshi, 4,796,439, Cl. 62-159.000.
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, 4,843,832, Cl. 62-159.000.
- Endo, Masayuki; Sasago, Masaru; and Ogawa, Kazufumi, to Matsushita Electric Industrial Co., Ltd. Pattern forming method by use of X-ray exposure. 4,840,872, 6-20-89, Cl. 430-273.000.
- Endo, Masayuki; Sasago, Masaru; and Ogawa, Kazufumi, to Matsushita Electric Industrial Co., Ltd. Pattern forming method using contrast enhanced material. 4,849,323, 7-18-89, Cl. 430-326.000.
- Endo, Masayuki: *See*—
  - Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Takeshi, 4,805,000, Cl. 355-43.000.
  - Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Takeshi, 4,812,880, Cl. 355-53.000.
  - Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Ken, 4,841,341, Cl. 355-43.000.
  - Sasago, Masaru; Endo, Masayuki; Ogawa, Kazufumi; and Ishihara, Takeshi, 4,805,002, Cl. 355-67.000.
- Endo, Michiko: *See*—
  - Fujiwara, Yoshiro; Endo, Michiko; Kojima, Yuji; Wakatsuki, Noboru; Hirano, Akira; and Komenou, Kazunari, 4,810,965, Cl. 324-208.000.
- Endo, Mikio; Takamizawa, Minoru; Ishihara, Toshinobu; Kubota, Tohru; and Shinohara, Toshio, to Shin-Etsu Chemical Co., Ltd. Method for the preparation of a cycloalkyl silane compound. 4,883,569, 11-28-89, Cl. 204-157.740
- Endo, Mitsuharu: *See*—
  - Nishikawa, Hisashi; Endo, Mitsuharu; and Shimosato, Masashi, 4,801,952, Cl. 346-140.00R.
  - Nishikawa, Hisashi; and Endo, Mitsuharu, 4,806,956, Cl. 346-140.00R.
  - Nishikawa, Hisashi; Endo, Mitsuharu; Shimosato, Masashi; and Terao, Yasunobu, 4,868,585, Cl. 346-140.00R.
- Endo, Mitsuhiro; Ando, Hiromi; and Ono, Yukou, to Tokico Ltd. Pneumatic booster. 4,813,336, 3-21-89, Cl. 91-369.400.
- Endo, Mitsuhiro, to Tokico Ltd. Tandem pneumatic pressure booster. 4,813,337, 3-21-89, Cl. 91-369.200.
- Endo, Mitsuhiro, to Tokico Ltd. Pneumatic booster. 4,884,491, 12-5-89, Cl. 91-369.200.
- Endo, Motonori; and Minakami, Hiroshi, to Nissan Motor Co., Ltd. Method of detecting the position of an object. 4,880,307, 11-14-89, Cl. 356-375.000.
- Endo, Noboru; Kikuchi, Yutaka; Yamatsuta, Kiichi; and Goto, Shoji, to Doryokuro Kakunenryo Kaihatsu Jigyodan; and Asahi Fiber Glass Company Limited. Process for preparing a cartridge for disposal of a radioactive waste liquid. 4,822,525, 4-18-89, Cl. 252-629.000.
- Endo, Nobuhiro; and Hamaguchi, Tsuneo, to NEC Corporation. Semiconductor device and method of manufacturing the same. 4,870,475, 9-26-89, Cl. 357-71.000.
- Endo, Norikazu, to Hitachi, Ltd. Multiprocessor system for loading microprograms into a RAM control store of a bus controller. 4,884,195, 11-28-89, Cl. 364-200.000.
- Endo, Satoru, to Hitachi, Ltd. Electron gun electrode for a color picture tube. 4,886,998, 12-12-89, Cl. 313-414.000.
- Endo, Shigeru; Negishi, Yoshie; and Shiiba, Kiwamu, to Nisshin Flour Milling Co., Ltd. New modified gluten product and bread improver composition. 4,871,577, 10-3-89, Cl. 426-653.000.
- Endo, Shigeru; Nomura, Satoshi; Ishigami, Shinji; and Karibe, Sonoko, to Nisshin Flour Milling Co., Ltd. Modified gluten product and bread improver composition. 4,879,133, 11-7-89, Cl. 426-653.000.
- Endo, Shiro: *See*—
  - Sotani, Junji; Koizumi, Tatsuya; Endo, Shiro; Mashino, Nobuyoshi; and Seo, Susumu, 4,803,345, Cl. 219-326.000.
- Endo, Shuichi: *See*—
  - Ishikawa, Toyoji; Kaneko, Toshio; Endo, Shuichi; Ogata, Yoshihiro; and Takaya, Toshihiko, 4,873,940, Cl. 118-651.000.
- Endo, Stunehiro: *See*—
  - Yamashita, Koujirou; Endo, Stunehiro; Miyashita, Kunio; Kashiwazaki, Susumu; and Iizuka, Kenichi, 4,855,652, Cl. 318-268.000.
- Endo, Takayoshi, to Yazaki Corporation. Connective structure for conductive wires and a method of manufacturing the same. 4,799,899, 1-24-89, Cl. 439-502.000.
- Endo, Takayoshi; and Yamada, Satoshi, to Yazaki Corporation. Connector housing and method for producing same. 4,842,540, 6-27-89, Cl. 439-271.000.
- Endo, Takayoshi: *See*—
  - Kurimoto, Yukuo; and Endo, Takayoshi, 4,879,650, Cl. 364-405.000.
  - Nagase, Kazuo; Tagaki, Toshio; Endo, Takayoshi; Murofushi, Satoru; and Yamamoto, Masayuki, 4,828,507, Cl. 439-206.000.
- Endo, Takeshi; Nambu, Yoko; and Yamamoto, Kazutoshi, to Asahi Denka Kogyo Kabushiki Kaisha. Viologen derivative. 4,841,058, 6-20-89, Cl. 546-257.000.
- Endo, Takeshi: *See*—
  - Mizutani, Kiyokazu; Kato, Hitoshi; Ogasawara, Kuniko; and Endo, Takeshi, 4,849,529, Cl. 549-334.000.
  - Saotome, Yasushi; Miyazawa, Takeo; and Endo, Takeshi, 4,873,301, Cl. 526-257.000.
  - Taguchi, Hiromu; Mizutani, Kiyokazu; Kato, Hiroyuki; and Endo, Takeshi, 4,870,193, Cl. 549-334.000.
- Endo, Tatuso; and Niwa, Tatsuo, to Nikon Corporation. Electrochromic device. 4,824,221, 4-25-89, Cl. 350-357.000.
- Endo, Tetsuo: *See*—
  - Okamoto, Kiyokazu; Iijima, Hiroshi; Endo, Tetsuo; and Miyamoto, Yukio, 4,868,438, Cl. 310-166.000.
  - Okamoto, Kiyokazu; Endo, Tetsuo; Miyamoto, Yukio; and Suzuki, Yoshiharu, 4,871,934, Cl. 310-166.000.
  - Yagino, Masamori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, 4,841,120, Cl. 219-216.000.
- Endo, Toshihiko; and Matsunaga, Nobuyuki, to Polyplastics Co., Ltd. Self-lubricating thermoplastic resin wear part. 4,874,807, 10-17-89, Cl. 524-267.000.
- Endo, Toshihiko; and Matsunaga, Nobuyuki, to Polyplastics Co., Ltd. Self-lubricating thermoplastic resin wear part. 4,879,331, 11-7-89, Cl. 524-267.000.
- Endo, Toshihiro: *See*—
  - Moriya, Takashi; Kunita, Masao; and Endo, Toshihiro, 4,795,283, Cl. 400-124.000.
- Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, to Ricoh Co., Ltd. Screen printing machine with waste printing plate discharge means. 4,846,057, 7-11-89, Cl. 101-120.000.
- Endo, Toshio; and Sato, Mitsuo, to Ricoh Company, Ltd. Thermally operated apparatus for making a plate. 4,887,168, 12-12-89, Cl. 358-299.000.
- Endo, Toshiyuki: *See*—
  - Kaneshiki, Toshitaka; Narukawa, Osamu; Haneda, Tadayoshi; and Endo, Toshiyuki, 4,873,383, Cl. 570-211.000.
  - Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, 4,831,198, Cl. 570-211.000.
- Endo, Tsunehiro: *See*—
  - Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.
- Endo, Tsuneo: *See*—
  - Inoue, Kazuo; Kubota, Osamu; Yano, Shunji; Tateishi, Fusao; Noda, Etsuo; Yamaguchi, Koji; and Endo, Tsuneo, 4,880,351, Cl. 415-164.000.
- Endo, Tunehiro; Kato, Nobuaki; Iizuka, Kenichi; and Tajima, Fumio, to Hitachi, Ltd.; and Hitachi Engineering Co., Ltd. Speed control apparatus and method for motors. 4,879,502, 11-7-89, Cl. 318-723.000.
- Endo, Yoichi, to Ken Hayashibara. Vibrostimulative device. 4,813,403, 3-21-89, Cl. 128-32.000.
- Endo, Yoshihiro; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, to Sharp Kabushiki Kaisha. Method of manufacturing a thin-film electroluminescent display element. 4,880,661, 11-14-89, Cl. 427-38.000.
- Endo, Yukio; and Harada, Nozomu, to Kabushiki Kaisha Toshiba. Solid state photovoltaic imaging device with excess charge eliminator. 4,875,101, 10-17-89, Cl. 358-213.190.
- Endo, Yukio: *See*—
  - Andoh, Junichi; and Endo, Yukio, 4,823,191, Cl. 358-213.310.
  - Harasaki, Hidenobu; Tamitani, Ichiro; and Endo, Yukio, 4,797,740, Cl. 358-136.000.
  - Koike, Hirofumi; Endo, Yukio; and Mitsuhashi, Tadashi, 4,856,858, Cl. 350-6.600.
- Endo, Zenichiro: *See*—
  - Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yuichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, 4,874,574, Cl. 376-333.000.
- Endocon, Inc.: *See*—
  - Harman, Sherman M., 4,820,267, Cl. 604-60.000.
  - Leonard, Robert J.; and Harman, S. Mitchell, 4,846,793, Cl. 604-62.000.
- Endoh, Eiji: *See*—
  - Morimoto, Takeshi; Endoh, Eiji; and Takemiya, Satoshi, 4,858,078, Cl. 361-527.000.
  - Morimoto, Takeshi; and Endoh, Eiji, 4,877,508, Cl. 204-290.00R.

Endoh, Hiroshi; Zama, Yoshimasa; Kadowaki, Nobuo; Yatuka, Takeshi; Nagai, Hiroshi; and Mizumura, Yutaka, to Nippon Steel Corporation; and Toyo Boseki Kabushiki Kaisha. Viscoelastic resin for vibration damping material. 4,859,523, 8-22-89, Cl. 428-215.000.
Endoh, Hitoshi: *See—*
Miwa, Hideo; Tsuruoka, Kazuhiro; Yamauchi, Koudou; Endoh, Hitoshi; and Odaka, Masanori, 4,879,681, Cl. 365-189.010.
Endoh, Kohichi: *See—*
Honda, Masamitsu; Morikawa, Kazumi; and Endoh, Kohichi, 4,822,892, Cl. 548-402.000.
Endoh, Masayasu: *See—*
Fujino, Yuuji; and Endoh, Masayasu, 4,831,502, Cl. 362-61.000.
Endoh, Minoru: *See—*
Tokunaga, Masaaki; Endoh, Minoru; Meguro, Noriaki; and Tanigawa, Shigeho, 4,888,068, Cl. 148-104.000.
Endoh, Satoru; and Katsuga, Ohnishi, to Tokyo Communication Equipment Co., Ltd. Metallic core wiring substrate. 4,845,313, 7-4-89, Cl. 174-68.500.
Endoh, Shigeki: *See—*
Mizutani, Futoshi; Kyogoku, Takeshi; Saitoh, Tatsuo; and Endoh, Shigeki, 4,875,918, Cl. 65-3.120.
Endoh, Shinji: *See—*
Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,886,623, Cl. 252-299.650.
Endoo, Hideki: *See—*
Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katuhide, 4,821,070, Cl. 355-14.00R.
Endot Industries, Inc.: *See—*
Gagnon, Bernard, 4,854,665, Cl. 350-96.230.
Endotherapeutics: *See—*
Warring, Jessica A., 4,808,168, Cl. 604-158.000.
Endotronics, Inc.: *See—*
Cracauer, Ray F.; Walker, Robert D.; and Gruenberg, Micheal L., 4,804,628, Cl. 435-240.242.
Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi to Hitachi, Ltd. Water quality control method, and method and apparatus for measuring electrical conductivity used in the water quality control. 4,853,638, 8-1-89, Cl. 324-441.000.
Endrenyi, Frank, Jr.; and Hankins, Larry W., to Collins & Aikman Corporation. Tufted pile fabric. 4,877,669, 10-31-89, Cl. 428-88.000.
Endres, Dan D.: *See—*
Proxmire, Deborah L.; Endres, Dan D.; Wilson, John C.; Johnson, Lynn A.; Zehner, Georgia L.; Boland, Leona G.; and Stevens, Robert A., 4,872,871, Cl. 604-394.000.
Endres, Hanns-Erik: *See—*
Schmidt, Helmut; Hutter, Frank; Haas, Karl-Heinz; Obermeier, Ernst; Steger, Ulrich; Endres, Hanns-Erik; and Drost, Stephan, 4,878,015, Cl. 324-71.500.
Endres, James T.: *See—*
Endres, Kathleen O.; and Endres, James T., 4,800,911, Cl. 135-67.000.
Endres, Kathleen O.; and Endres, James T. Walker carrier. 4,800,911, 1-31-89, Cl. 135-67.000.
Endres, Linda S.: *See—*
Demeter, Michael G.; Wichman, Paul E.; Endres, Linda S.; and Rohrer, Charles E., 4,872,397, Cl. 98-31.600.
Endres, Merrick A., to Conax Florida Corporation. Fluid conductivity sensor for actuating an electroexploding device. 4,853,637, 8-1-89, Cl. 324-439.000.
Endress u. Hauser GmbH u. Co.: *See—*
Rottmar, Werner; and Schmidt, Klaus, 4,886,938, Cl. 174-52.100.
Schneider, Georg, 4,816,745, Cl. 324-62.000.
Schneider, Georg; Freudig, Gunter; Rippinger, Fernand; and Braun, Hans, 4,817,014, Cl. 364-728.030.
Schneider, Georg; and Bausch, Markus, 4,862,382, Cl. 364-481.000.
Steinebrunner, Edwin; and Renk, Peter, 4,850,213, Cl. 73-290.00V.
Wetzel, Gustav, 4,833,393, Cl. 324-60.0SD.
Endrud, Douglas G.: *See—*
Davidson, Dale D.; and Endrud, Douglas G., 4,799,159, Cl. 364-424.060.
Endter, Horst: *See—*
Landwehr, Hubert; Blom, Dieter; Endter, Horst; and Trimborn, Hermann-Josef, 4,850,215, Cl. 72-454.000.
Enea-Comitato Nazionale Per La Ricerca E Per Lo Sviluppo Dell-'Energia Nucleare E Delle Energie Alternative: *See—*
Boscolo, Ilario; and Pastore, Gino, 4,833,685, Cl. 372-61.000.
Enercap Corporation: *See—*
Baldwin, Ewart M.; Rao, U. Veereswara; and Bender, Thomas C., 4,870,538, Cl. 361-321.000.
Enercept, Inc.: *See—*
Henley, Harold B.; Norberg, Kenneth L.; and Devine, John P., 4,852,310, Cl. 52-90.000.
Energiagasdalkodasi Intezet: *See—*
Szucs, Laszlo; and Szabo , Jozsef, 4,796,692, Cl. 165-129.000.
Energiagazdalkodasi Intezet: *See—*
Szucs, Laszlo; Szabo, Istvan; Papp, Istvan; Csaszni, Jozsef; Lengyel, Gyula; Resch, Pal; Sigmond, Emod; and Kardos, Peter, 4,813,237, Cl. 60-670.000.
Tasnadi nee Erosi, Krisztina, 4,846,256, Cl. 165-31.000.
Energiazdalkodasi Intezet: *See—*
Szucs, Laszlo, and Harmatha, Andras, 4,858,685, Cl. 165-166.000.

Energietechnik: *See—*
Steinhaus, Ing. H., 4,849,026, Cl. 134-22.120.
Energy Conservation Innovations, Inc.: *See—*
Burnett, Lauren W., 4,856,713, Cl. 239-113.000.
Energy Conservation Partnership, Ltd.: *See—*
Johnson, Arthur F., 4,876,986, Cl. 122-20.00B.
Energy Conversion Devices, Inc.: *See—*
Czubatyj, Wolodymyr; Hack, Michael G.; and Shur, Michael 4,882,295, Cl. 437-101.000.
Doehler, Joachim; Hudgens, Stephen J.; Ovshinsky, Stanford R.; Dotter II, Buddie; Peedin, Lester R.; Krisko, Jeffrey M.; and Krisko, Annette, 4,883,686, Cl. 427-38.000.
Formigoni, Napoleon P.; and Yaniv, Zvi, 4,795,657, Cl. 427-96.000.
Guha, Subhendu; Yang, Chi-Chung; and Ovshinsky, Stanford R., 4,816,082, Cl. 136-249.000.
Hong, Kuochih C.; and Sapru, Krishna, 4,832,913, Cl. 420-581.000.
Johnson, Robert R.; and Ovshinsky, Stanford R., 4,818,717, Cl. 437-52.000.
Johnson, Robert R.; Cannella, Vincent D.; and Yaniv, Zvi, 4,868,616, Cl. 357-17.000.
Ovshinsky, Stanford R.; and Madan, Arun, 4,839,312, Cl. 437-233.000.
Ovshinsky, Stanford R.; and Hudgens, Stephen J., 4,843,443, Cl. 357-23.700.
Ovshinsky, Stanford R.; and Norris, Lawrence G., 4,853,785, Cl. 358-213.110.
Pryor, Roger W.; Klersy, Patrick J.; Piontkowski, Jerry A.; and Formigoni, Napolean P., 4,804,490, Cl. 252-62.3BT.
Pryor, Roger W.; Formigoni, Napoleon P.; and Ovshinsky, Stanford R., 4,809,044, Cl. 357-2.000.
Pryor, Roger W.; Formigoni, Napoleon P.; and Ovshinsky, Stanford R., 4,845,533, Cl. 357-2.000.
Ross, Randall R.; Bjornard, Eric; and Strand, David, 4,876,667, Cl. 365-113.000.
Wolff, Merle; Nuss, Mark A.; Fetcenko, Michael A.; and Lijo, Andrea L., 4,820,481, Cl. 419-3.000.
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Yaniv, Zvi; Cannella, Vincent D.; and McGill, John, 4,868,664, Cl. 358-213.130.
Young, Rosa; and Mytilineou, Eugenia, 4,820,394, Cl. 204-192.210.
Energy Conversions, Inc.: *See—*
Jensen, Scott P., 4,865,001, Cl. 123-525.000.
Energy Economics & Development, Inc.: *See—*
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Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., 4,851,201, Cl. 423-235.000.
Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., 4,861,567, Cl. 423-235.000.
Lyon, Richard K., 4,849,192, Cl. 423-235.000.
Energy Exchanger Co.: *See—*
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Burrowes, David E.; and Holmes, Alan W., 4,881,070, Cl. 340-870.020.
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Pruszenski, Anthony S., Jr., 4,874,225, Cl. 350-259.000.
Schutrum, Walter L.; and Jay, Thomas L., 4,803,484, Cl. 340-870.020.
Energy/Matter Conversion Corporation, Inc.: *See—*
Bussard, Robert W., 4,826,646, Cl. 376-129.000.
Energy, Mines and Resources-Canada: *See—*
Brown, James R.; McIntyre, Norman S.; and Johnston, Darlene D. 4,883,782, Cl. 502-220.000.
Razbin, Vladimir V.; Desai, Dilip L.; and Friedrich, Frank D. 4,817,540, Cl. 110-266.000.
Energy Optics, Incorporated: *See—*
Ward, Steven M., 4,834,531, Cl. 356-5.000.
Energy Research Corporation: *See—*
Baker, Bernard S., 4,877,693, Cl. 429-19.000.
Levy, Isaac; and Charkey, Allen, 4,810,598, Cl. 429-59.000.
Patel, Pinakin S.; and Paetsch, Lawrence M., 4,797,379, Cl. 502-101.000.
Energy Research and Marketing Corporation: *See—*
Ray, Dennis A., 4,829,969, Cl. 123-557.000.
Energy Sciences Inc.: *See—*
Nablo, Sam; and French, Donald, 4,844,764, Cl. 156-275.500.
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Energy Support Corporation: *See—*
Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,804,922, Cl. 324-457.000.
Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,879,509, Cl. 324-108.000.
Enertec: *See—*
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Benkara, Ferial; and Campbell, Daniel, 4,797,846, Cl. 364-724.170.
Berard, Michel, 4,852,026, Cl. 364-556.000.
Beukara, Ferial, 4,868,774, Cl. 364-724.010.
Heller, Isabelle, 4,833,414, Cl. 324-522.000.
Enertrols, Inc.: *See—*
Heideman, Robert J., 4,810,849, Cl. 219-89.000.
Heideman, Robert J., 4,825,031, Cl. 219-89.000.
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Enever, Kenneth D.: *See—*
Ostertag, Alfred; Iversen, Robert E.; Hyland, Craig R.; Enever, Kenneth D.; and Radford, Steven R., 4,878,548, Cl. 175-340.000.
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Leonard, Thomas W.; Enever, Robin P.; and Mikula, Karol K., 4,820,525, Cl. 424-486.000.
Weierstall, Richard P.; Enever, Robin P.; Brunelle, Kathleen L.; Thone, Gerard F.; and Warner, Ronald N., 4,861,591, Cl. 424-690.000.
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Enforcement Support Incorporated: *See—*
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Eng, Benjamin, Jr., to John Fluke Mfg., Co. Inc. Battery charger with Vbe temperature compensation circuit. 4,847,547, 7-11-89, Cl. 320-35.000.
Eng, Benjamin, Jr.; and Winsor, Margaret E. Modular high frequency power transformer. 4,857,878, 8-15-89, Cl. 336-192.000.
Eng, Ernest. Automatic swimming pool cover drainer. 4,830,040, 5-16-89, Cl. 137-135.000.
Eng, Genghmun, to Aerospace Corporation, The. Stable rare-earth alloy graded junction contact devices using III-V type substrates. 4,847,675, 7-11-89, Cl. 357-71.000.
ENG, Inc.: *See—*
Castor, Trevor P., 4,813,275, Cl. 73-49.200.
Eng, Jesse: *See—*
Maier, Mark S.; and Eng, Jesse, 4,822,244, Cl. 416-95.000.
Eng, Melvin D.: *See—*
Cologna, Rudy L.; and Eng, Melvin D., 4,820,564, Cl. 428-63.000.
Eng, Stephen K.: *See—*
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Engdahl, Goran, to Asea Brown Boveri AB. Electrically controlled spring element. 4,802,660, 2-7-89, Cl. 267-182.000.
Engdahl, Roger A.: *See—*
Chess, Henry L., Jr.; Engdahl, Roger A.; and Wedin, James A., 4,842,787, Cl. 264-40.600
Engding, Alf E.: *See—*
Schleimann-Jensen, Lars J.; Engding, Alf E.; and Astrom, Anders F., 4,879,460, Cl. 250-230.00R.
Enge, Per, to Megapulse, Inc. Method of and apparatus for message communication on Loran-C navigational signal broadcasts and the like with reduced navigation errors. 4,800,391, 1-24-89, Cl. 342-389.000.
Enge, Per, to Megapulse Incorporated. Method of and apparatus for Loran-C message communication with reduced skywave navigation location errors and the like. 4,821,038, 4-11-89, Cl. 342-390.000.
Engel, Alan K., to Research Development Corporation of Japan, a part interest. Ultrathin heteroaromatic polymer films and process for making the same. 4,818,593, 4-4-89, Cl. 428-220.000.
Engel, Avner. Folded toilet seat cover. 4,850,061, 7-25-89, Cl. 4-243.000.
Engel, Darryl L., to Universal Tool & Stamping Co., Inc. Scissors jack. 4,802,653, 2-7-89, Cl. 254-126.000.
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Engel, Donald F.; and Gieseke, Steven S., to Donaldson Company, Inc. Air transfer system. 4,856,826, 8-15-89, Cl. 285-181.000.
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Engel, Elton D., to Creative Endeavors, Inc. Device for inserting picture slides into storage pockets. 4,831,810, 5-23-89, Cl. 53-390.000.
Engel, Georg, to SMS Schloemann-Siemag Aktiengesellschaft. Apparatus for axially positioning a roll of a rolling mill for making a metal profile or steel structural shape. 4,813,256, 3-21-89, Cl. 72-21.000.
Engel, Georg; and Kosak, Dietmar, to SMS Schloemann-Siemag Aktiengesellschaft. System for rolling continuously cast profiles. 4,860,426, 8-29-89, Cl. 29-527.700.
Engel, Georg; Hartmann, Hans-Heinrich; Koethe, Peter; Svagr, Alexandr; and Onderka, Bernd, to SMS Schloemann-Siemag Aktiengesellschaft. Drive apparatus for the vertical rolls of a universal rolling mill stand. 4,864,838, 9-12-89, Cl. 72-225.000.
Engel, Gerhard; Kutner, Thomas; Stunkel, Rolf; and Wessel, Rolf, to Robert Bosch GmbH. Feed system for injection nozzles. 4,817,574, 4-4-89, Cl. 123-494.000.
Engel, Gunter; Krempl, Peter W.; List, Helmut; Posch, Uwe; and Nitsch, Alfred, to AVL Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik m.b.H. Prof.Dr.Dr.h.c. Hans List. Method and device for reducing the water content in piezoelectric $GAPO_4$ crystal elements and so produced crystal elements. 4,881,003, 11-14-89, Cl. 310-311.000.
Engel, Gunter: *See—*
Donatsch, Peter; Engel, Gunter; Hugi, Bruno; Richardson, Brian P.; Stadler, Paul A., deceased; Stadler, Hildegard R., heir; Stadler, Brigitte M., heir; Stadler, Sigrid A., heir; and Breuleux, Gerald, legal representative, 4,803,199, Cl. 514-214.000.
Richardson, Brian P.; Engel, Gunter; Giger, Rudolf K. A.; and Vasella, Andrea, 4,797,406, Cl. 514-299.000.
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Engel, Harald, to Texma Textilmaschinen und Armaturen Gesellschaft m.b.H. Ironing machine. 4,819,350, 4-11-89, Cl. 38-30.000.
Engel, Harold J.: *See—*
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Engel, Hartmunt S. Lighting system. 4,876,633, 10-24-89, Cl. 362-223.000.
Engel, Hartmut S. Chair. 4,850,647, 7-25-89, Cl. 297-446.000.
Engel, James F.; Byerley, Thomas J.; and Christie, Howard W., to Midwest Research Institute. α-substituted acrylic acid esters, their polymers and method of synthesizing same. 4,876,323, 10-24-89, Cl. 526-310.000.
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Meier, Gary A.; Sieburth, Scott M.; Cullen, Thomas G.; and Engel, John F., 4,808,762, Cl. 514-336.000.
Engel, Joseph C.: *See—*
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Engel, Jurgen; and Scheffler, Gerhard, to Aasta Pharma AG. 4-benzyl-1-(2H)-phthalazinone-derivates. 4,841,047, 6-20-89, Cl. 540-599.000.
Engel, Jurgen; Muller, Siegfried; and Laubner, Werner, to Asta Pharma Aktiengesellschaft. Process for the preparation of ifosfamide having improved properties. 4,882,452, 11-21-89, Cl. 558-81.000.
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Engel, Klaus G., to Com DEV Ltd. Microwave C-switches and S-switches. 4,851,801, 7-25-89, Cl. 335-230.000.
Engel, Ludovicus H. M.; Pieket Weeserik, Pieter C.; and Winters, Geert, to AT&T and Philips Telecommunications B.V. Clamping circuit for a television transmission system. 4,811,087, 3-7-89, Cl. 358-36.000.
Engel, Ludovicus H. M.; and Pieket Weeserik, Pieter C., to U.S. Philips Corp. Supervision circuit for a non-encoded binary bit stream. 4,860,293, 8-22-89, Cl. 371-51.000.
Engel, Manfred O.: *See—*
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Engel, Michael R., to Minnesota Mining and Manufacturing Company. Electrically-conductive, pressure-sensitive adhesive and biomedical electrodes. 4,848,353, 7-18-89, Cl. 128-640.000.
Engel, Peter. Advertising device. 4,852,912, 8-1-89, Cl. 283-95.000.
Engel, Reinhard; and Brugger, Rudolf, to Siemens Aktiengesellschaft. Installation for the alignment of an optical waveguide for splicing purposes. 4,832,438, 5-23-89, Cl. 350-96.200.
Engel, Stephen M.; and Weiger, Wallace W. Safety plate for electrical outlet. 4,798,916, 1-17-89, Cl. 174-67.000.
Engel, Steven J.; Augenblick, Kurt B.; Freed, Lesley M.; Coffey, Charles T.; and Dryden, Paul C., to Hewlett-Packard Company. Method and apparatus for reading a bar code. 4,847,474, 7-11-89, Cl. 235-464.000.
Engel, Thomas H. Trailer air grill. 4,840,422, 6-20-89, Cl. 296-180.400.
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Engel, Wolfhard; Eberlein, Wolfgang; Mihm, Gerhard; Trummlitz, Gunter; Mayer, Norbert; and De Jonge, Adriaan, to Dr. Karl Thomae GmbH. Condensed diazepinones, processes for preparing them and pharmaceutical compositions containing these compounds. 4,873,236, 10-10-89, Cl. 514-220.000.
Engelbach, Heinz; Krokoszinski, Roland; Franzischka, Wolfgang; and Decker, Martin, to BASF Aktiengesellschaft. Preparation of aromatic nitriles. 4,814,479, 3-21-89, Cl. 558-328.000.
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Engelberger, Raimund; Harmsen, Siegfried; Kirchgessner, Hilmar; and Schneider, Josef, to Papst-Motoren GmbH & Co. KG. Fan with an essentially square housing. 4,886,415, 12-12-89, Cl. 415-119.000.
Engelbertsson, Karl-Magnus, to AB Tore J Hedback. Valve assembly. 4,889,163, 12-26-89, Cl. 137-625.320.
Engelbrecht, Fillippus T., to Centiforce (Proprietary) Limited. Driving head for line cutting devices. 4,888,871, 12-26-89, Cl. 30-276.000.
Engelbrecht, Jurgen; von Wallis, Helmut; and Gunther, Michael, to Ernst Muhlbauer KG. Polymerizable compounds containing acid and acid derivatives, mixtures containing the same, and use thereof. 4,806,381, 2-21-89, Cl. 427-2.000.
Engelbrecht, Jurgen, to Ernst Muhlbauer KG. Polymerizable cement mixtures. 4,872,936, 10-10-89, Cl. 156-307.300.
Engelbrecht, Orest, to Perkin-Elmer Corporation, The. Wafer handling system. 4,846,626, 7-11-89, Cl. 414-754.000.
Engeler, Paul; and Wolfer, Peter, to Kistler Instrumente Aktiengesellschaft. Method and device for measuring pressures in tubular bodies. 4,843,887, 7-4-89, Cl. 73-730.000.

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Engelfried, Werner; and Muller, Gerhard, to Terrot Strickmaschinen GmbH. Stitch-forming knitting machine. 4,862,709, 9-5-89, Cl. 66-104.000.

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Bartholic, David B.; and Barger, Dwight F., 4,851,108, Cl. 208-127.000.

Chiba, Tadao; Funabiki, Masaki; and Watanabe, Tsunao, 4,806,519, Cl. 502-252.000.

Farrauto, Robert J.; Lee, Hyo C.; and Hatfield, W. Robert, 4,863,893, Cl. 502-325.000.

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Kaufman, Arthur; and Terry, Peter L., 4,826,716, Cl. 428-139.000.

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McShea, William T., III; and Yarrington, Robert M., 4,863,707, Cl. 423-359.000.

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Engelhardt, Edward L.; and Saari, Walfred S., to Merck & Co., Inc. Substituted 3-nitrobenzenesulfonamides useful as adjuncts in radiation therapy. 4,845,284, 7-4-89, Cl. 564-87.000.

Engelhardt, Edward L.; and Saari, Walfred S., to Merck & Co., Inc. Derivatives of 2-(substituted sulfamyl)-6-nitrobenzoic acids, useful as adjuncts to radiation therapy. 4,847,294, 7-11-89, Cl. 514-535.000.

Engelhardt, Edward L.; and Saari, Walfred S., to Merck & Co., Inc. 2-(substituted sulfamyl) derivatives of 4-nitrobenzamide as radiation sensitizers. 4,853,415, 8-1-89, Cl. 514-603.000.

Engelhardt, Fritz; Hintermeier, Karl; Muller, Manfred; Munch, Norbert; and Wagener, Hans, to Cassella Aktiengesellschaft. Methylolated and optionally etherified urethanes containing fluoroalkyl ligands. 4,877,540, 10-31-89, Cl. 252-8.750.

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Engelhardt, John A.; and Tarr, Richard R., to Boehringer Mannheim Corporation. Modular intramedullary nail system. 4,805,607, 2-21-89, Cl. 128-92.0YZ.

Engelhardt, Michel, to Grumman Aerospace Corporation. Apparatus and method for electrical heating of aircraft skin for background matching. 4,801,113, 1-31-89, Cl. 244-121.000.

Engelking, Uwe, to Agence Spatiale Europeenne. Orbital system including a tethered satellite. 4,824,051, 4-25-89, Cl. 244-158.00R.

Engelman, Donald J. Trouble light. 4,804,477, 9-5-89, Cl. 362-376.000.

Engelman, Fred. Collapsible table assembly. 4,834,449, 5-30-89, Cl. 297-145.000.

Engelmann, Helmut; Hildenbrand, Karlheinz; and Junkers, Gunter, to Miles Inc. Process for the production of test strips by casting method. 4,837,043, 6-6-89, Cl. 427-2.000.

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Engelson, Erick T.; and Daniels, John R., to Target Therapeutics. Valved catheter device and method. 4,813,934, 3-21-89, Cl. 604-99.000.

Engelson, Erik T., to Target Therapeutics. Catheter guide wire. 4,884,579, 12-5-89, Cl. 128-772.000.

Engelson, Erik T.: *See—*

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Engelstad, Jonathan L.; and Best, William A., to Deere & Company. Automatically adjustable doffer column for a cotton picker. 4,819,415, 4-11-89, Cl. 56-41.000.

Engelstad, Jonathan L.; and Sanderson, Leon F., to Deere & Company. Torque limiting drive arrangement for a cotton harvester with multiple row units. 4,866,918, 9-19-89, Cl. 56-10.300.

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Watjen, Frank; and Engelstoft, Mogens, 4,870,073, Cl. 514-214.000.

Watjen, Frank; and Engelstoft, Mogens, 4,880,799, Cl. 514-211.000.

Watjen, Frank; and Engelstoft, Mogens, 4,886,797, Cl. 514-220.000.

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Accumanno, Mario B.; Ball, Laurence G.; and Price, Macy J., 4,815,795, Cl. 312-12.000.

Price, Macy J.; Accumanno, Mario B.; and Starkey, Daniel C., 4,807,836, Cl. 248-123.100.

Price, Macy J., Sr.; Price, Macy J., Jr.; and Ball, Laurence G., 4,844,564, Cl. 312-12.000.

Price, Macy J., Sr.; Price, Macy J., Jr.; and Ball, Laurence G., 4,846,355, Cl. 211-41.000.

Engineered Instruments, Inc.: *See—*

Mraz, Dennis, 4,820,095, Cl. 411-82.000.

Engineered Security Products Corporation: *See—*

Lakso, Matthew L., 4,854,653, Cl. 312-222.000.

Engineered Systems International, Inc.: *See—*

Ciriacks, John A.; and Butcher, Charles H., 4,865,750, Cl. 210-757.000.

Engineered Transitions Co., Inc.: *See—*

Fowler, Clifford C.; and Goett, Edward P., 4,834,667, Cl. 439-321.000.

Engineering & Colloid, Ltd.: *See—*

Blair, Boyton T., 4,826,611, Cl. 252-8.510.

Engineering Controls, Inc.: *See—*

Young, John H., 4,869,209, Cl. 122-379.000.

Engineering Enterprises, Inc.: *See—*

Kimberlin, Denver K., 4,886,432, Cl. 417-478.000.

Engineering Measurments Company: *See—*

Catch, John B., 4,886,420, Cl. 416-174.000.

Engl, Walter: *See—*

Bitzinger, Rudolf; Engl, Walter; Humml, Siegfried; and Schreier, Klaus, 4,860,333, Cl. 379-10.000.

England, Daniel L., to Rainstix R & D Partners Ltd. Collapsible disposable umbrella. 4,821,756, 4-18-89, Cl. 135-19.500.

England, Frank R. Expansion plug and tool. 4,823,651, 4-25-89, Cl. 81-124.400.

England, J. Bruce: *See—*

Coyne, Thomas; England, J. Bruce; Haendler, Blanca; Mitchell, Frances E.; and Steichen, Dale S., 4,863,626, Cl. 252-91.000.

England, Kevin W.: *See—*

Brannon, Harold D.; Hodge, Richard M.; and England, Kevin W., 4,801,389, Cl. 252-8.551.

England, Margaret P.: *See—*

Carlton, William C.; and England, Margaret P., 4,867,449, Cl. 273-29.00R.

England, Michael J.: *See—*

Margetts, Hugh G.; England, Michael J.; and Hayward, Stephen, 4,815,571, Cl. 188-79.620.

England, Thomas R., to Kollmorgen Technologies Corporation. Dynamo electric machine with upwardly shifted ripple frequency. 4,797,592, 1-10-89, Cl. 310-154.000.

England, Thomas R.: *See—*

Schultz, Roy D.; England, Thomas R.; and Altizer, A. Clark, 4,868,970, Cl. 29-596.000.

England, William G.: *See—*

Osborne, Michael W.; Afforder, Cynthia A.; and England, William G., 4,855,276, Cl. 502-415.000.

Englander, Abe. Medical operating table attachment for supporting a patient's arms. 4,836,523, 6-6-89, Cl. 269-328.000.

Englander, Heinrich: *See—*

Deters, Ludger; Englander, Heinrich; Kabelitz, Hans-Peter; and Schutz, Gunter, 4,797,062, Cl. 415-90.000.

Englar, Robert J.: *See—*

Bennett, John A.; Englar, Robert J.; and Thomas, Andrew S. W., 4,844,385, Cl. 244-207.000.

Engle, Edward J., III: *See—*

Bither, Peter G.; Ellers, Berne F.; and Engle, Edward J., III, 4,885,204, Cl. 428-284.000.

Engle, George M., to Stackpole Corporation, The. Plasma enhanced chemical vapor deposition wafer holding fixture. 4,873,942, 10-17-89, Cl. 118-728.000.

Engle, Jurgen, to Asta Pharma Aktiengesellschaft. 4-Benzyl-1-(2H)-phthalazineone derivatives having an amino acid radical. 4,868,175, 9-19-89, Cl. 514-212.000.

Engle, Lori P.: *See—*

Stein, Judith; Wengrovius, Jeffrey H.; Engle, Lori P.; Gross, David C.; and Hallgren, John E., 4,826,915, Cl. 524-731.000.

Engle, Stephen R.: *See—*

Ameen, Joseph G.; Carden, Timothy F.; Cutting [illegible] vrence R.; Engle, Stephen R.; and Moore, Ronald J., [illegible] 3,100, Cl. 427-387.000.

Engle, Thomas H., to General Signal Corporation. Parking brake system for railway vehicles. 4,799,741, 1-24-89, Cl. 303-60.000.

Engle, Thomas H., to General Signal Corporation. Parking brake system for railway vehicles. 4,874,065, 10-17-89, Cl. 188-265.000.

Engle, Thomas H., to General Signal Corp. Stub axle truck. 4,883,000, 11-28-89, Cl. 105-4.400.

Engle, Thomas H.: *See—*

Vaughn, Lawrence E.; Rojecki, Walter E.; and Engle, Thomas H., 4,842,341, Cl. 303-37.000.

Englehardt, William H.; Keane, Martin A.; Svilans, Olgerts J.; and Krch, Russell W., to Bally Manufacturing Corporation. Control system for health club facilities and equipment. 4,831,242, 5-16-89, Cl. 235-382.000.

Englehart, David A.: *See—*

DeBold, Terry A.; Englehart, David A.; and Martin, James W., 4,832,765, Cl. 148-325.000.

Englehart, John D.; and Seaburn, William H. Liner/insert for refrigerated container. 4,872,589, 10-10-89, Cl. 220-410.000.

Engleman, Ivan M.; and Kozisek, Thomas G. Voltage regulator. 4,862,058, 8-29-89, Cl. 323-298.000.

Engler, Bernd: *See—*

Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,814,146, Cl. 422-179.000.

Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,859,428, Cl. 422-179.000.

Domesle, Rainer; Engler, Bernd; Koberstein, Edgar; and Volker, Herbert, 4,828,807, Cl. 423-213.700.

Engler, Edward M.; Lee, Victor Y.; Nazzal, Adel I.; and Parkin, Stuart S. P., to International Business Machines Corporation. Tl-Ca-Ba-Cu-O compositions electrically superconducting above 120 degree K and processes for their preparation. 4,870,052, 9-26-89, Cl. 505-1.000.

Engler Engineering Corporation: *See—*

Vasile, Ion, 4,818,229, Cl. 433-127.000.

Engler, Heidrun: *See—*

Schickaneder, Helmut; Engler, Heidrun; and Szelenyi, Istvan, 4,810,715, Cl. 514-341.000.

Schickaneder, Helmut; Herter, Rolf; Vergin, Hartmut; Engler, Heidrun; and Ahrens, Kurt H., 4,833,141, Cl. 514-252.000.

Schickaneder, Helmut; Engler, Heidrun; and Szelenyi, Istvan, 4,866,066, Cl. 514-274.000.

Englert, Nickolaus. Container closure. 4,880,136, 11-14-89, Cl. 220-253.000.

Engles, Bruce E.; and Gerosa, Gianfranco, to Motorola, Inc. Polysilicon pattern for a floating gate memory. 4,829,351, 5-9-89, Cl. 357-23.500.

Engles, Bruce E., to Motorola, Inc. Sense amplifier precharge control. 4,879,682, 11-7-89, Cl. 365-189.010.

Englisch, Wolfgang: *See—*

Kreutzer, Karl; Simmat, Fritz; Steinkohl, Anton; and Englisch, Wolfgang, 4,842,628, Cl. 65-3.120.

English, Alan R., to Chevron Research Company. Method of suppressing sodium poisoning of cracking catalysts during fluid catalytic cracking. 4,889,617, 12-26-89, Cl. 208-121.000.

English, Donald C.: *See—*

Mason, John Y.; Hicks, Bruce W.; and English, Donald C., 4,889,654, Cl. 252-100.000.

English Electric Company Limited, The: *See—*

Ealing, Christopher J., 4,832,903, Cl. 376-272.000.

Wood, Ian A.; and Horsfield, Edward A., 4,874,573, Cl. 376-272.000.

English Electric Valve Company Limited: *See—*

Brady, Michael B. C., 4,831,341, Cl. 331-90.000.

Clark, Graeme L.; and Maitland, Arthur, 4,890,295, Cl. 372-61.000.

Fox, David B., 4,810,925, Cl. 313-342.000.

Heppinstall, Roy; Eaton, Paul; Tupper, George I. F.; and Tunstall, Edmund K., 4,820,996, Cl. 330-45.000.

Jennis, Barry, 4,833,363, Cl. 313-173.000.

Jones, Eric; and Doncaster, Alan M., 4,822,465, Cl. 204-192.100.

Maitland, Arthur; Menown, Hugh; and Neale, Christopher V., 4,805,180, Cl. 372-61.000.

Maitland, Arthur; Weatherup, Clifford R.; and Strudwick, Ian A., 4,825,446, Cl. 372-87.000.

Maitland, Arthur; Strudwick, Ian A.; and Weatherup, Clifford R., 4,839,554, Cl. 313-446.000.

Maitland, Arthur; and Weatherup, Clifford R., 4,858,237, Cl. 372-2.000.

Menown, Hugh; Baker, Robert E.; and Cullum, Leonard R., 4,890,034, Cl. 313-595.000.

Morcom, Christopher J., 4,835,616, Cl. 358-213.190.

Weatherup, Clifford R., 4,879,490, Cl. 313-601.000.

English, Elliot V.: *See—*

Tu, Yue-Tung; Rosenblum, Martin P.; and English, Elliot V., 4,846,949, Cl. 204-192.210.

English, George J.; Rothwell, Harold J., Jr.; and Gilligan, Thomas, to GTE Products Corporation. Metal-halide arc tube and lamp having improved uniformity of azimuthal luminous intensity. 4,823,050, 4-18-89, Cl. 313-634.000.

English, George J.; and Rothwell, Harold L., Jr., to GTE Products Corporation; and GTE Products Corporation. Arc discharge lamp with elongated outer envelope orthogonal to lamp base. 4,847,530, 7-11-89, Cl. 313-25.000.

English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., to GTE Products Corporation. Pulsed metal halide source. 4,850,918, 7-25-89, Cl. 445-40.000.

English, George J.; Rothwell, Harold L., Jr.; and Gilligan, Thomas, to GTE Products Corporation. Metal-halide arc tube and lamp having improved uniformity of azimuthal luminous intensity. 4,864,180, 9-5-89, Cl. 313-44.000.

English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., to GTE Products Corporation. Pulsed metal halide arc discharge light source. 4,874,988, 10-17-89, Cl. 313-620.000.

English, George J.: *See—*

Chakrabarti, Kirti B.; and English, George J., 4,814,959, Cl. 362-294.000.

Hough, Harold L.; English, George J.; and Chakrabarti, Kirti B., 4,804,878, Cl. 313-113.000.

English Glass Company Limited, The: *See—*

Lawson, Thomas J., 4,819,832, Cl. 222-153.000.

Wass, Anthony; and Law, Brian, 4,811,871, Cl. 222-477.000.

Wass, Anthony; and Law, Brian, 4,867,347, Cl. 222-153.000.

English, James D., to Tektronix, Inc. Time variant frequency correction technique. 4,799,020, 1-17-89, Cl. 324-79.00R.

English, James P.; McNeely, Gerald W.; and Dunn, Richard L., to Richards Medical Company. Method for making a biodegradable adhesive for soft living tissue. 4,804,691, 2-14-89, Cl. 523-118.000.

English, Stanley R.; and Danna, Dominick, to Welch Allyn, Inc. Apparatus for converting a video processor. 4,862,253, 8-29-89, Cl. 358-42.000.

English, Stanley R.: *See—*

Wawro, Thaddeus J.; English, Stanley R.; and Danna, Dominick, 4,887,154, Cl. 358-98.000.

English, William S., to Sturtevant, Inc. Method of making a retrofit side draft classifier. 4,885,832, 12-12-89, Cl. 29-401.100.

Englund, Carl: *See—*

Rundborg, Bo; and Luoto, Risto, 4,865,339, Cl. 280-47.210.

Englund, Diane J.: *See—*

Adkins, Adrian S.; and Englund, Diane J., 4,814,016, Cl. 106-250.000.

Englund, Rolf A.: *See—*

Schibbye, Lauritz B.; and Englund, Rolf A., 4,842,501, Cl. 418-201.000.

Engman, James A.: *See—*

Mandel, Frederick S.; Engman, James A.; Whiting, Wayne R.; and Nicol, James, 4,865,761, Cl. 252-190.000.

Engraving Developments Ltd.: *See—*

Campling, Brian, 4,836,721, Cl. 409-125.000.

Engrenages et Reducteurs Citroen-Messian-Durand: *See—*

Thomas, Pierre-Armand; and Grundman, Raphael, 4,880,336, Cl. 405-198.000.

Engst, Wilhelm, to Continental Aktiengesellschaft. Hose belt conveyer system. 4,809,845, 3-7-89, Cl. 198-819.000.

Engstler, Anton: *See—*

Binger, Bernhard; Eickhoff, Hans J.; Maier, Paul; Engstler, Anton; and Grolig, Herbert, 4,796,486, Cl. 74-606.00R.

Engstrand, Sven E. O.: *See—*

Andersson, Ken G. E.; Engstrand, Sven E. O.; and Asberg, Lars G., 4,834,597, Cl. 409-234.000.

Engstrom, Arthur B., to Bicycle Tools, Incorporated. Bicycle tool. 4,858,266, 8-22-89, Cl. 15-111.000.

Engstrom, Folke, to A. Ahlstrom Corporation. Method and apparatus for controlling the operation of a fluidized bed reactor apparatus. 4,813,380, 3-21-89, Cl. 122-4.00D.

Engstrom, Folke; and Isaksson, Juhani M., to A. Ahlstrom Corporation. Integrated gas turbine power generation system and process. 4,827,723, 5-9-89, Cl. 60-683.000.
Engstrom, Folke; and Kuivalainen, Reijo, to A. Ahlstrom Corporation. Distributor plate for fluidized bed reactor. 4,841,884, 6-27-89, Cl. 110-298.000.
Engstrom, Folke; Isaksson, Juhani M.; and Kuivalainen, Reijo, to A. Ahlstrom Corporation. Fluidized bed reactor. 4,864,944, 9-12-89, Cl. 110-299.000.
Engstrom, Folke; and Isaksson, Juhani M., to A. Ahlstrom Corporation. Circulating fluidized bed reactor. 4,869,207, 9-26-89, Cl. 122-4.00D.
Engstrom, John M.: *See—*
  Anderson, Joseph; Baldi, Barney T.; and Engstrom, John M., 4,861,043, Cl. 277-1.000.
Engstrom, Randy J.: *See—*
  Heggart, Ronald G.; McClintock, Willard K.; and Engstrom, Randy J., 4,813,055, Cl. 373-74.000.
Enhorning, Goran. Device for accurately displacing fluid. 4,800,750, 1-31-89, Cl. 73-64.400.
Enichem Agricoltura S.p.A.: *See—*
  Crispoldi, Antonio; Moriconi, Andrea; and Chiappafreddo, Mario, 4,874,595, Cl. 423-397.000.
Enichem Anic S.p.A.: *See—*
  Boccalon, Gianfranco; Costantino, Rocco; and Zanobi, Antonio, 4,814,199, Cl. 427-38.000.
  Boccalon, Gianfranco; Pelacani, Alberto; Tigani, Giuseppe; and Brancaccio, Aldo, 4,832,990, Cl. 427-388.100.
Enichem Augusta, S.p.A.: *See—*
  Cinel, Luciano; Cortiana, Giorgio; Freschie, Filippo; Ceccherini, Gianni; and Cocchi, Vittorio, 4,844,132, Cl. 139-449.000.
  Faggian, Lucio; Marcotullio, Armando; Platone, Edoardo; and Picchi, Emilio, 4,798,915, Cl. 585-833.000.
  Faggian, Lucio; Castellano, Maurizio; Platone, Edoardo; and Franco, Cosimo, 4,843,184, Cl. 585-864.000.
  Franco, Cosimo; Carrillo, Gerardo; and Faggian, Lucio, 4,827,078, Cl. 585-864.000.
Enichem Elastomeri S.p.A.: *See—*
  Agostinis, Enrico; Custro, Sergio; and Zazzetta, Alessandro, 4,874,821, Cl. 525-271.000.
Enichem Sintesi S.p.A.: *See—*
  Bellussi, Giuseppe; Buonomo, Franco; Esposito, Antonio; Clerici, Mario; Romano, Ugo; and Notari, Bruno, 4,859,785, Cl. 549-531.000.
  Cipriani, Gioacchino; and Landoni, Gianluigi, 4,812,499, Cl. 524-96.000.
  Cipriani, Gioacchino; and Mariano, Armando, 4,812,502, Cl. 524-125.000.
  Clerici, Mario G.; and Romano, Ugo, 4,824,976, Cl. 549-531.000.
  Greco, Alberto; Cassar, Luigi; Costanzi, Silvestro; and Neri, Carlo, 4,888,375, Cl. 524-262.000.
  Licchelli, Maurizio; Greco, Alberto; and Lugli, Gabriele, 4,829,130, Cl. 525-384.000.
  Maggioni, Paolo; Minisci, Francesco; and Correale, Mariano, 4,816,592, Cl. 549-462.000.
  Magni, Ambrogio; and Bersanetti, Erik, 4,824,885, Cl. 524-120.000.
  Mizia, Franco; Rivetti, Franco; Romano, Ugo; Rivola, Luigi; and Civardi, Giuseppe, 4,849,170, Cl. 422-7.000.
  Neri, Carlo; Nodari, Nereo; and Sandre, Giovanni, 4,886,900, Cl. 560-75.000.
  Renzi, Fiorenzo; Rivetti, Franco; Romano, Ugo; and Gagliardi, Claudio, 4,812,545, Cl. 526-230.500.
  Renzi, Fiorenzo; Rivetti, Franco; and Romano, Ugo, 4,835,233, Cl. 526-301.000.
  Roggero, Arnaldo; Clerici, Mario; and Bertolini, Guglielmo, 4,833,211, Cl. 525-333.300.
  Roggero, Arnaldo; and Bertolini, Guglielmo, 4,853,440, Cl. 525-338.000.
  Romano, Ugo; Clerici, Mario G.; Bellussi, Giuseppe; and Buonomo, Franco, 4,849,387, Cl. 502-64.000.
Enichem S.p.A.: *See—*
  Swerdloff, Michael D.; Rogic, Milorad M.; and Hendrickson, Larry L., 4,824,783, Cl. 435-184.000.
Enichem Synthesis S.p.A.: *See—*
  Neri, Carlo; Nodari, Nereo; Bersanetti, Erik; and Sandre, Giovanni, 4,810,579, Cl. 428-405.000.
Enichem Tecnoresine S.p.A.: *See—*
  Petri, Alberto, 4,795,797, Cl. 528-176.000.
  Petri, Alberto, 4,798,882, Cl. 528-190.000.
  Petri, Alberto, 4,857,628, Cl. 528-203.000.
  Petri, Alberto, 4,883,856, Cl. 528-202.000.
  Pivotto, Bruno; Ferri, Gualtiero; and Campana, Franco, 4,822,858, Cl. 525-246.000.
ENIGMA, NV: *See—*
  Markessini, Efthalia V.; and Markessini, Andrew C., 4,886,854, Cl. 524-14.000.
Eniricerche S.p.A.: *See—*
  Alberti, Giulio; Bartoli, Francesco; Constantino, Umberto; Di Gregorio, Francesco; and Valentini, Claudio, 4,826,663, Cl. 423-157.000.
  Bernardi, Adriano; Bonelli, Fabio; Pessi, Antonello; and Verdini, Antonio S., 4,843,140, Cl. 530-324.000.
  Boccalon, Gianfranco; Costantino, Rocco; and Zanobi, Antonio, 4,814,199, Cl. 427-38.000.
  Boccalon, Gianfranco; Pelacani, Alberto; Tigani, Giuseppe; and Brancaccio, Aldo, 4,832,990, Cl. 427-388.100.
  Caciagli, Valerio; Verdini, Antonio S.; De Luca, Giovanna; Di Stazio, Giovanni; and Politi, Vincenzo, 4,810,779, Cl. 530-328.000.
  Clerici, Mario G.; and Romano, Ugo, 4,824,976, Cl. 549-531.000.
  Faggian, Lucio; Marcotullio, Armando; Platone, Edoardo; and Picchi, Emilio, 4,798,915, Cl. 585-833.000.
  Faggian, Lucio; Castellano, Maurizio; Platone, Edoardo; and Franco, Cosimo, 4,843,184, Cl. 585-864.000.
  Franco, Cosimo; Carrillo, Gerardo; and Faggian, Lucio, 4,827,078, Cl. 585-864.000.
  Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, 4,831,201, Cl. 585-531.000.
  Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, 4,831,202, Cl. 585-533.000.
  Magagnini, Pierluigi; Pedretti, Ugo; Perego, Giovanni; Bresci, Bruno; Carrozzino, Simona; and Roggero, Arnaldo, 4,833,229, Cl. 528-193.000.
  Pedretti, Ugo; Bonfanti, Cesarina; Montani, Enrico; Hakemi, Hassan A.; and Roggero, Arnaldo, 4,888,409, Cl. 528-129.000.
  Pittalis, Francesco; and Bartoli, Francesco, 4,830,796, Cl. 264-41.000.
  Pittalis, Francesco; Bartoli, Francesco; and Farias, Otello, 4,879,036, Cl. 210-500.380.
  Roggero, Arnaldo; Bertolini, Guglielmo; and Busetto, Carlo, 4,797,451, Cl. 525-332.900.
  Roggero, Arnaldo; Clerici, Mario; and Bertolini, Guglielmo, 4,833,211, Cl. 525-333.300.
  Roggero, Arnaldo; and Bertolini, Guglielmo, 4,853,440, Cl. 525-338.000.
  Roggero, Arnaldo; Scrosati, Bruno; Andrei, Maria; Passerini, Stefano; and Pedretti, Ugo, 4,886,716, Cl. 429-192.000.
  Verdini, Antonio S.; Bonelli, Fabio; Pessi, Antonello; Cardinali, Franco; Boraschi, Diana; Censini, Stefano; and Di Trapani, Romano, 4,816,560, Cl. 530-323.000.
  Vettor, Antonio; Passarini, Nello; and Marcotullio, Armando, 4,881,946, Cl. 44-627.000.
Enix, Bruce W., to Eastman Kodak Company. Envelope holder. 4,869,485, 9-26-89, Cl. 271-2.000.
Enjoji, Susumu; Kikuchi, Yushichi; and Hara, Kiyoshi, to Kabushiki Kaisha Toshiba. Mechanical type ultrasonic scanner. 4,807,634, 2-28-89, Cl. 128-660.010.
Enk, Allan T.; and Gerber, Charles H., to Libbey-Owens-Ford Co. Adjustable bearing rail apparatus for bending glass sheets. 4,799,948, 1-24-89, Cl. 65-286.000.
Enk, Allan T.; and Flaugher, Jeffrey R., to Libbey-Owens-Ford Co. Centering and leveling of mobile press bending apparatus. 4,872,898, 10-10-89, Cl. 65-287.000.
Enk, Allan T.; Wolfe, Jennifer R.; and Borer, John W., to Libbey-Owens-Ford Co. Method and apparatus for shaping and conveying glass sheets. 4,883,526, 11-28-89, Cl. 65-104.000.
Enka America Inc.: *See—*
  Mulcahy, John J.; and Hill, I. David, 4,819,345, Cl. 36-17.00R.
Enkelmann, Thomas, to Thomas Enkelmann Computer. Device for the monitoring of objects and/or persons. 4,851,815, 7-25-89, Cl. 340-571.000.
Enloe, Kenneth M., to Kimberly-Clark Corporation. Diapers with elasticized side pockets. 4,846,823, 7-11-89, Cl. 604-385.200.
Enloe, Kenneth M.; Gavronski, Paul A.; and McMorrow, Bonnie L., to Kimberly-Clark Corporation. Diapers with elasticized side pockets. 4,846,825, 7-11-89, Cl. 604-385.100.
Enloe, Kenneth M.: *See—*
  Huntoon, Andrew E.; Roessler, Thomas H.; and Enloe, Kenneth M., 4,850,990, Cl. 604-385.200.
  Lippert, Mary E.; Enloe, Kenneth M.; Koch, Debra J.; Roessler, Thomas H.; and Pazdernik, Patrick A., 4,861,652, Cl. 428-284.000.
Enlow, David L.: *See—*
  Maier, Gerhard A.; Enlow, David L.; and Ng, Paul T., 4,852,536, Cl. 123-414.000.
Enn, Hirochika: *See—*
  Burg, John S.; Enn, Hirochika; and Freshwater, Lane A., 4,865,562, Cl. 439-395.000.
Ennco Optical, Inc.: *See—*
  Ennis, Jan S., 4,830,203, Cl. 211-105.200.
  Ennis, Jan S., 4,830,480, Cl. 351-158.000.
Enneking, Gregor, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Steep angle conveyor. 4,872,542, 10-10-89, Cl. 198-312.000.
Ennghillis, Pavlina: *See—*
  Watkins, Daniel; Wong, Jimmy; and Ennghillis, Pavlina, 4,878,174, Cl. 364-200.000.
Enning, Joseph: *See—*
  Messing, Horst; and Enning, Joseph, 4,809,721, Cl. 134-57.00R.
Ennis, James F., III, to Genesis Industries, Incorporated. Dispenser for viscous fluids. 4,852,772, 8-1-89, Cl. 222-386.000.
Ennis, Jan S., to Ennco Optical, Inc. Support for display items or the like. 4,830,203, 5-16-89, Cl. 211-105.200.
Ennis, Jan S., to Ennco Optical, Inc. Tint display device. 4,830,480, 5-16-89, Cl. 351-158.000.
Ennis, Royce E.: *See—*
  Honsberg, Wolfgang; and Ennis, Royce E., 4,824,906, Cl. 525-74.000.
Ennovation Corporation: *See—*
  Husain, Abbas, 4,860,448, Cl. 30-28.000.
Enoch, Horst: *See—*
  Drewel, Gunter; Enoch, Horst; and Grotkasten, Klaus, 4,800,054, Cl. 264-502.000.

Enoch, Jay M.; and Knowles, Richard A., to University of California, The Regents of the. Method for evaluating metamorphopsia. 4,798,456, 1-17-89, Cl. 351-222.000.
Enochs, R. Scott; Jansen, Scott R.; Murphy, Daniel R.; Randall, Randy S.; and Roth, Joanne, to Tektronix, Inc. Optical connector with direct mounted photo diode. 4,818,056, 4-4-89, Cl. 350-96.200.
Enoguchi, Yuuji; Yamamoto, Masashi; and Natsuhara, Toshiya, to Minolta Camera Kabushiki Kaisha. Developing apparatus. 4,827,305, 5-2-89, Cl. 355-259.000.
Enoki, Shigekazu; Sawayama, Noboru; Katoh, Shunji; and Kimura, Noriyuki, to Ricoh Company, Ltd. Method and apparatus for developing electrostatic latent image. 4,885,223, 12-5-89, Cl. 430-122.000.
Enoki, Shigenaga; Yoshio, Kazuya; and Yamaguchi, Nobuo, to Honda Giken Kogyo Kabushiki Kaisha. Power-unit support structure of motorcycle. 4,809,801, 3-7-89, Cl. 180-228.000.
Enokida, Miyuki: *See—*
  Kawamura, Naoto; and Enokida, Miyuki, 4,850,028, Cl. 382-46.000.
Enokida, Toshio; and Takano, Shigemasa, to Toyo Ink Manufacturing Co., Ltd. Titanium phthalocyanine optical semiconductor material and electrophotographic plate using same. 4,882,427, 11-21-89, Cl. 540-141.000.
Enokido, Nobuo: *See—*
  Suga, Yoshinori; Tanaka, Eiji; Enokido, Nobuo; Kato, Hidehito; and Shibata, Katsuji, 4,824,704, Cl. 428-36.920.
Enokimoto, Akito; Masuda, Tatsuo; Handa, Akio; Hosoya, Eiji; Shibukawa, Takerou; and Watanabe, Seiji, to Honda Giken Kogyo Kabushiki Kaisha. Rear suspension for off-road vehicle. 4,817,985, 4-4-89, Cl. 280-690.000.
Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, to Honda Giken Kogyo Kabushiki Kaisha. Off-road vehicle. 4,836,325, 6-6-89, Cl. 180-333.000.
Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, to Honda Giken Kogyo Kabushiki Kaisha. Off-road vehicle. 4,887,844, 12-19-89, Cl. 280-779.000.
Enokita, Ryuzo: *See—*
  Inaoka, Yoshinori; Takahashi, Shuji; Tamaoki, Hidetsune; and Enokita, Ryuzo, 4,804,676, Cl. 514-423.000.
Enomoto, Akio: *See—*
  Hattori, Isao; and Enomoto, Akio, 4,808,065, Cl. 414-774.000.
  Mizutani, Isao; and Enomoto, Akio, 4,801,778, Cl. 219-10.810.
Enomoto, Hiromu; Dohgome, Hirofumi; Kumagai, Masao; Nakamura, Toru; and Yoshiyama, Kimitaka, to Fujitsu Limited; and Kyushu Fujitsu Electronics Limited. Schmitt trigger circuit. 4,883,975, 11-28-89, Cl. 307-290.000.
Enomoto, Hiromu; Yasuda, Yasushi; Shimauchi, Yoshiki; and Tahara, Akinori, to Fujitsu Limited. Semiconductor device with PN junction isolation for TTL or ECL circuits. 4,888,623, 12-19-89, Cl. 357-15.000.
Enomoto, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Gas-insulated switchgear. 4,829,400, 5-9-89, Cl. 361-341.000.
Enomoto, Kanehiko: *See—*
  Yamada, Hideaki; Enomoto, Kanehiko; and Watanabe, Ichiro, 4,880,739, Cl. 435-129.000.
Enomoto, Keiji, to Ricoh Company, Ltd. Variable focusing lens barrel. 4,848,884, 7-18-89, Cl. 350-429.000.
Enomoto, Koichi; and Nakanishi, Tatsuo, to Yamaha Corporation. Method for producing a wood-type golf club head. 4,803,023, 2-7-89, Cl. 264-45.400.
Enomoto, Koji: *See—*
  Kasugai, Joji; Toki, Satoshi; Enomoto, Koji; and Suzuki, Takamasa, 4,815,705, Cl. 251-356.000.
Enomoto, Masaaki: *See—*
  Kurita, Toshinori; Enomoto, Masaaki; and Nagamatsu, Hidetoshi, 4,836,722, Cl. 409-132.000.
Enomoto, Masaharu: *See—*
  Akanuma, Teruhiko; and Enomoto, Masaharu, 4,804,932, Cl. 335-58.000.
Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Saremitsu, Yuzuru; and Mizutani, Masato, to Sumitomo Pharmaceuticals Company, Limited; and Sumitomo Chemical Company, Limited. Novel thiazolidin-4-one derivatives and acid addition salts therof. 4,849,434, 7-18-89, Cl. 514-342.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, to Sumitomo Chemical Company, Limited. Tetrahydroindazolyl-benzoxazines and use. 4,877,444, 10-31-89, Cl. 71-92.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi, and Sato, Ryo, to Sumitomo Chemical Co., Ltd. Benzoxazinyl-triazole oxides and use. 4,885,024, 12-5-89, Cl. 71-92.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, to Sumitomo Chemical Company, Limited. Benzothiazolones, and their production and use. 4,888,045, 12-19-89, Cl. 71-90.000.
Enomoto, Masayuki: *See—*
  Yamashita, Sachihiro; Enomoto, Masayuki; and Goto, Tadashi, 4,864,095, Cl. 219-86.240.
Enomoto, Michiyo; and Riisgaard, Steen, to Novo Industri A/S. Enzymatic detergent additive, a detergent, and a washing method. 4,876,024, 10-24-89, Cl. 252-174.120.
Enomoto, Ryoji: *See—*
  Kamae, Tuneyoshi; and Enomoto, Ryoji, 4,857,737, Cl. 250-370.090.
Enomoto, Tadayoshi: *See—*
  Yasumoto, Masaaki; Enomoto, Tadayoshi; and Yamashina, Masakazu, 4,849,921, Cl. 364-715.010.
Enomoto, Takamichi: *See—*
  Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.
Enomoto, Takashi: *See—*
  Amimoto, Yoshio; Shinjo, Masayoshi; Hayashi, Kazunori; and Enomoto, Takashi, 4,795,793, Cl. 526-243.000.
  Yamanaka, Fumie; Enomoto, Takashi; and Yoshioka, Toshifumi, 4,859,036, Cl. 350-336.000.
Enomoto, Tooru: *See—*
  Suzuki, Churyo; Ando, Kozo; and Enomoto, Tooru, 4,838,723, Cl. 401-199.000.
Enomoto, Toshihiko; Nakashima, Yasuo; Watanabe, Takashi; Komai, Takao; and Mochizuki, Tatsuya, to Mitsubishi Denki Kabushiki Kaisha. Defrosting system for a heat exchanger. 4,887,436, 12-19-89, Cl. 62-155.000.
Enomoto, Yuji: *See—*
  Oda, Kengo; Ishii, Tsutomu; Fukushi, Yukiharu; Enomoto, Yuji; Nishida, Makoto, and Hojo, Yoshikata, 4,889,551, Cl. 71-88.000.
  Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.
  Watanabe, Tadahiko; Shobu, Kazuhisa; and Enomoto, Yuji, 4,810,676, Cl. 501-87.000.
  Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,851,445, Cl. 514-604.000.
  Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,870,107, Cl. 514-604.000.
Enos, Anthony; and Gauthier, Robert, to Barbour Stockwell, Co. Turbine having a bearing cartridge. 4,820,121, 4-11-89, Cl. 415-202.000.
Enos, George: *See—*
  Kirby, James; and Enos, George, 4,865,579, Cl. 493-458.000.
Enpoco Limited: *See—*
  Emberson, John E., 4,832,375, Cl. 285-4.000.
Enquay Pharmaceutical Associates: *See—*
  Korol, Bernard; and Nathan, Paul, 4,820,292, Cl. 435-32.000.
  Korol, Bernard; and Nathan, Paul, 4,857,334, Cl. 424-445.000.
Enquist, Lynn W.: *See—*
  Watson, Roger J.; Weis, John W.; and Enquist, Lynn W., 4,818,694, Cl. 435-68.000.
Enricherche, S.p.A.: *See—*
  Cinel, Luciano; Cortiana, Giorgio; Freschie, Filippo; Ceccherini, Gianni; and Cocchi, Vittorio, 4,844,132, Cl. 139-449.000.
Enright, Dorothy P.: *See—*
  Perricone, Alphonse C.; Clapper, Dennis K.; and Enright, Dorothy P., 4,830,765, Cl. 252-8.510.
Enright, John F., III: *See—*
  McGinnis, Francis K., III; and Enright, John F., III, 4,802,424, Cl. 110-250.000.
Enright, Philip G., to Alcan International Limited. Casting aluminium alloys. 4,858,674, 8-22-89, Cl. 164-475.000.
Enright, Philip G.; Hobbis, Andrew J.; and Tapping, Ronald E., to Alcan International Limited. Metal treatment. 4,872,908, 10-10-89, Cl. 75-68.00R.
Enriquez, Enrique J. Aerodynamic control system for high speed motorboats. 4,827,862, 5-9-89, Cl. 114-273.000.
Enron Chemical Company: *See—*
  Lapierre, Robert M.; and Leonardi, Nicholas J., 4,806,294, Cl. 264-54.000.
Ens, Hermann: *See—*
  Gottwald, Alfons; and Ens, Hermann, 4,870,371, Cl. 330-149.000.
Ensar Corporation: *See—*
  Sarnoff, Norton; and Fletcher, Carl R., 4,817,812, Cl. 220-85.00H.
  Sarnoff, Norton; and Fletcher, Carl R., 4,852,760, Cl. 220-85.00H.
EnScan, Inc.: *See—*
  Grindahl, Mervin L.; and Denzene, Quentin S., 4,799,059, Cl. 340-870.030.
Ensci Incorporated: *See—*
  Clough, Thomas J.; Sibert, John W.; and Riese, Arthur C., 4,801,329, Cl. 75-97.00A.
  Clough, Thomas J., 4,846,274, Cl. 166-270.000.
  Clough, Thomas J.; and Pinsky, Naum, 4,861,689, Cl. 429-210.000.
  Horiuchi, Tetsuro; Goldman, Arnold E.; and Raghavan, Durai N., 4,882,302, Cl. 501-27.000.
ENSCO, Inc.: *See—*
  Kesler, John K.; McCown, Robert J., and Shia, John J., 4,875,366, Cl. 73-118.100.
Enscore, David J.: *See—*
  Campbell, Patricia S.; Enscore, David J.; Gale, Robert M.; and Kaufman, Arnold, 4,832,953, Cl. 424-448.000.
  Sanders, Harold F.; Cheng, Yu-Ling; Enscore, David J.; and Libicki, Shari B., 4,820,720, Cl. 514-356.000.
Enserch Corporation: *See—*
  Howdle, William J., 4,825,232, Cl. 354-74.000.
Ensign-Bickford Company, The: *See—*
  Gladden, Ernest L.; and Tavelli, Sanford B., 4,838,165, Cl. 102-275.800.
Ensign, Edward: *See—*
  Mandel, Linda; and Ensign, Edward, 4,861,150, Cl. 350-622.000.
Ensign, Harold W., to Cla-Val Co. Manual control valve. 4,865,078, 9-12-89, Cl. 137-636.100.

Ensign, Harold W., to Cla-Val Co. Apparatus and method for separating water from aviation fuel, and float control therefor. 4,874,531, 10-17-89, Cl. 210-744.000.
Ensing, Hendrik: *See—*
Cox, Jan. J. F. M.; and Ensing, Hendrik, 4,800,337, Cl. 324-455.000.
Ensinger, Helmut: *See—*
Weber, Karl-Heinz; Schneider, Claus; Walther, Gerhard; Hinzen, Dieter; Kuhn, Franz J.; Lehr, Erich; Ensinger, Helmut; and Troger, Wolfgang, 4,857,528, Cl. 514-252.000.
Ensk , Donald L. Constant frequency digital closed-loop optical fiber gyro. 4,872,754, 10-10-89, Cl. 356-350.000.
Ensminger, Gerald H.; and Kalazny, Andrzej, to Cooper Industries, Inc. Method of fabricating chain mesh and chain mesh fabricated thereby. 4,869,061, 9-26-89, Cl. 59-35.100.
Ensminger, Gerald H.; and Kalazny, Andrzej, to Cooper Industries, Inc. Method of fabricating chain mesh and chain mesh fabricated thereby. 4,872,306, 10-10-89, Cl. 59-78.000.
Enso-Gutzeit OY: *See—*
Kokkonen, Seppo; Qvintus, Harri; and Ruuskanen, Erkki, 4,795,170, Cl. 277-106.000.
ENSR Corporation: *See—*
Massey, Michael J.; and Hopper, David R., 4,814,021, Cl 134-12.000.
Enstrom, Mark R.: *See—*
Block, Timothy R.; Enstrom, Mark R.; Luecke, Francis S.; Shidler, Karl A.; and Soderstrom, Ronald L., 4,870,635, Cl. 369-215.000.
Enstrom, Paul M., to Centigram Corporation. Dispatch board system with displays for indicating the status of various messages. 4,807,275, 2-21-89, Cl. 379-68.000.
Enstrom, Paul M., to Centigram Corporation. Dispatch board system. 4,825,130, 4-25-89, Cl. 315-317.000.
Ensuiko Sugar Refining Co., Ltd.: *See—*
Chigusa, Takehiko; Hashimoto, Hitoshi; Kawamura, Tsunenori; Fukushima, Kazunori; Kurokawa, Kiyoumi; and Miyazaki, Masakatsu, 4,848,321, Cl. 127-61.000.
Ensyn Engineering Associates Inc.: *See—*
Underwood, Gary; and Graham, Robert G., 4,876,108, Cl. 426-650.000.
Ente Minerario Siciliano: *See—*
Corigliano, Francesco; Di Pasquale, Sebastiana; Primerano, Patrizia; and Zipelli, Cesare, 4,814,150, Cl. 423-67.000.
Entek Manufacturing, Inc.: *See—*
Johnson, Peter E.; and Young, James, 4,804,420, Cl. 134-15.000.
Johnson, Peter E.; and Young, James, 4,813,440, Cl. 134-105.000.
Enteleki, Inc.: *See—*
Ream, Edward K., 4,802,165, Cl. 371-19.000.
Entenmann, Robert: *See—*
Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
Ententeev, Altar Z.: *See—*
Dobryakov, Valentin I.; Zhevzhik, Galina V.; Seballo, Valery A.; Zhukov, Evgeny V.; Ententeev, Altar Z.; Struzhkov, Vyacheslav N.; and Gorbachev, Alexandr S., 4,871,448, Cl. 209-169.000.
Enter Computer, Inc.: *See—*
Murray, Richard A., 4,812,858, Cl. 346-139.00R.
Murray, Richard A.; White, John; and Branner, George K., 4,843,406, Cl. 346-1.100.
Enterprise Paris Quest: *See—*
Grimaud, Alain, 4,841,703, Cl. 52-334.000.
Enterprises International, Inc.: *See—*
Cozzutto, Lyndon L.; Henry, James D.; and Hawley, Michael E., 4,815,255, Cl. 53-459.000.
Hood, Stephen K.; Norkoski, Joseph; and Arnold, Halan P., 4,840,008, Cl. 53-137.000.
Entezarmahdi, Seyed; and Mortazavi, Sassan, to Unisys Corporation. Disk servo with PLL for detecting timing deviations. 4,849,835, 7-18-89, Cl. 360-60.000.
Enthone, Incorporated: *See—*
Courduvelis, Constantine I.; and DelGobbo, Anthony R., 4,820,548, Cl. 427-98.000.
Schultz, Paul B.; and Yarkosky, Eugene F., 4,840,820, Cl. 427-305.000.
Sullivan, Thomas E.; and Haydu, Juan, 4,859,300, Cl. 204-164.000.
Entratter, Lynda G. Privacy chair and private viewing system. 4,826,245, 5-2-89, Cl. 297-217.000.
Entravision, Inc : *See—*
Carter, Douglas V., 4,805,377, Cl. 53-415.000.
Newton, Walter A., 4,886,498, Cl. 604-118.000.
Entrekin, Charles H.; and Harker, Howard R., to Axel Johnson Metals, Inc. Continuous casting of fine grain ingots. 4,838,340, 6-13-89, Cl. 164-455.000.
Entrepreises Premier CDN Ltee.: *See—*
Belanger, Bernard, 4,813,526, Cl. 198-313.000.
Entreprise d'Equipments Mecanique et Hydrauliques E.M.H.: *See—*
Chauvin, Jean-Michel; and Chilardi, Jean-Pierre R. F., 4,844,514, Cl. 285-47.000.
Entreprise Gagneraud Pere & Fils: *See—*
Roussel, Michel; and Baffreau, Daniel, 4,877,452, Cl. 106-97.000.
Entreprise Jean Lefebvre: *See—*
Stotzel, Marc, 4,863,308, Cl. 404-31.000.
Entretec, Inc.: *See—*
Flohr, Arno K.; and Fasiska, Edward J., 4,848,823, Cl. 296-98.000.
Entringer, David C., to Brunswick Corporation. Combined power trim and steering system. 4,836,810, 6-6-89, Cl. 440-61.000.
Entropy, Inc.: *See—*
Bechtel, Bartow, 4,806,932, Cl. 342-33.000.
Entwicklungszentrum fur Zerspanungstechnik: *See—*
Kieninger, Walter, 4,848,977, Cl. 407-39.000.
Entwurf Partner Ruedi Zwissler: *See—*
Zwissler, Ruedi, 4,829,735, Cl. 52-646.000.
Entzminger, William W. Variable ratio lever arm mechanism 4,841,799, 6-27-89, Cl. 74-522.000.
Envases Carnaud, S.A.: *See—*
Lopez, Ricardo R., 4,819,826, Cl. 220-273.000.
Envases Masquefa, S.A.: *See—*
Bravo, Rafael H., 4,865,212, Cl. 220-74.000.
Envirecon Services Limited: *See—*
Spencer, Robert J., 4,820,422, Cl. 210-696.000.
Envirex Inc.: *See—*
Fillar, John A.; Casper, Thomas J.; and Wiegand, James H, 4,863,418, Cl. 474-207.000.
Enviro-Gro Technologies: *See—*
Glorioso, John D., 4,829,678, Cl. 34-11.000.
Enviro-Gro Technologies, Inc.: *See—*
Glorioso, John D., 4,852,269, Cl. 34-11.000.
Glorioso, John D., 4,860,671, Cl. 110-236.000.
Enviro Med, Inc.: *See—*
Stein, Israel M.; Goodman, Alan S.; and Romanow, Richard, 4,886,164, Cl. 206-366.000.
Enviro-Spray Systems, Inc.: *See—*
Dierick, Tony F. J.; Kite, Nicholas J.; and Moran, Michael J., 4,857,029, Cl. 446-220.000.
Environetics, Inc.: *See—*
Winters, Raymond S., 4,860,916, Cl. 220-5.00A.
Environment/One Corporation: *See—*
Grace, Richard C.; Cooley, Jack L.; and Cabahug, Eric F., 4,822,213, Cl. 405-303.000.
Environment Protection Engineers, Inc.: *See—*
Schmidt, Rudiger, and Kugler, Kurt, 4,794,871, Cl. 110-341.000.
Schmidt, Rudiger, 4,806,232, Cl. 208-226.000.
Environmental Container Systems, Inc.: *See—*
Pritchard, Timothy R., 4,844,518, Cl. 292-28.000.
Environmental Delivery Systems, Inc.: *See—*
Norman, Richard O., 4,878,619, Cl. 239-318.000.
Environmental Elements Corp.: *See—*
Wexler, Ira M., 4,811,197, Cl. 364-148.000.
Environmental Fragrance Technologies, Ltd.: *See—*
Glucksman, Dov Z.; and Pezaris, Constantine D., 4,795,883, Cl. 219-272.000.
Glucksman, Dov Z., 4,804,821, Cl. 219-271.000.
Pezaris, Constantine D., 4,798,935, Cl. 219-272.000.
Environmental Instruments, Inc.: *See—*
Lefteriou, Nicholas; Rieven, Steve; and Cohen, Charle, 4,829,819, Cl. 73-204.210.
Environmental Pollution Control System EPCON AB: *See—*
Alm, Lars E., 4,839,040, Cl. 210-167.000.
Environmental Protection Polymers, Inc.: *See—*
Unger, Samuel L.; Telles, Rodney W.; and Lubowitz, Hyman R., 4,859,395, Cl. 264-254.000.
Environmental Research Institute of Michigan: *See—*
Aleksoff, Carl C.; Subotic, Nikola S.; and Viannes, Nickola 4,847,796, Cl. 364-602.000.
Dye, Robert H., 4,872,051, Cl. 358-103.000.
Gillies, Andrew M., 4,821,333, Cl. 382-49.000.
McCubbrey, David L.; and Lougheed, Robert M., 4,860,375, Cl. 382-49.000.
Neumann, Catharine G., 4,824,248, Cl. 356-244.000.
Peterson, Lauren M., 4,886,331, Cl. 350-96.120.
Environmental Tech America, Inc.: *See—*
Wemhoff, Mark F., 4,834,836, Cl. 159-23.000.
Environmental Tectonics Corporation: *See—*
Pisacane, Louis F.; and Mitchell, William F., 4,818,001, Cl. 292-304.000.
Environmental Test Systems, Inc.: *See—*
Rupe, Chauncey O., 4,855,239, Cl. 436-106.000.
Enviroquip, Inc.: *See—*
Harrington, James M.; Hervol, Henry J.; and Walton, William N., 4,863,644, Cl. 261-77.000.
Envirosafe Corp.: *See—*
Holmes, Richard W.; and Escobar, Jaime A., 4,817,644, Cl. 134-6.000.
Enviroseal Engineering Products Ltd.: *See—*
Dunford, Joseph R., 4,872,690, Cl. 277-24.000.
Envirotech Corporation: *See—*
Davis, Steven S., 4,806,239, Cl. 210-225.000.
Enyo, Hiroji: *See—*
Takemura, Yasuhiko; Zen, Shinichiro; Zama, Yoshiaki; and Enyo, Hiroji, 4,822,654, Cl. 428-36.800.
Enz, Ulrich E., to U.S. Philips Corporation. Magnetic head with magnetoresistive element. 4,797,766, 1-10-89, Cl. 360-113.000.
Enzer, Steven; Burgess, Bruce M.; Wyman, Jack S.; and Hendershot, Ricky. Disposable self-calibratable electrode package. 4,871,439, 10-3-89, Cl. 204-401.000.
Enzlin, Theodoor H.: *See—*
Van Der Laak, Henricus J. M.; and Enzlin, Theodoor H., 4,864,120, Cl. 250-214.00A.
Enzmann, Michael H., to Deutz-Allis Corporation. Combine header with skid plates. 4,835,954, 6-6-89, Cl. 56-303.000.

Enzo Biochem, Inc.: *See—*
Rabbani, Elazar, 4,889,798, Cl. 435-6.000.
Stavrianopoulos, Jannis; Rabbani, Elazar; Abrams, Samuel B.; and Wetmur, James G., 4,868,103, Cl. 435-5.000.
Stavrianopoulos, Jannis G., 4,843,122, Cl. 525-61.000.
Stavrianopoulos, Jannis G., 4,849,208, Cl. 424-1.100.
Stavrianopoulos, Jannis G., 4,849,505, Cl. 530-300.000.
Enzo, Lotti. Ear cleaning stick provided with ear cleaning portions including a double stop abutment. 4,804,362, 2-14-89, Cl. 604-1.000.
Enzu, Masao, to Senpaku Koheki Kabushiki Kaisha. Water tank. 4,865,464, 9-12-89, Cl. 383-44.000.
EOA Systems, Inc.: *See—*
McCormick, Peter E.; Culbertson, Timothy D.; and Autry, Walter D., Jr., 4,884,670, Cl. 192-56.00F.
Eoga, Anthony B. J., to Warner-Lambert Company. Gel denture cleanser composition and method of application. 4,807,649, 2-28-89, Cl. 134-2.000.
Eoga, Anthony B. J., to Warner-Lambert Company. Monopersulfate-containing cleansers. 4,857,224, 8-15-89, Cl. 252-99.000.
Eotvos Lorand Tudomanyegyetem: *See—*
Knausz, Dezso; Csakvari, Bela; Gebhardt, Istvan; Meszticzky, Aranka; Kolos, Zsuzsanna; Rohonczy, Janos; Szederkenyi, Ferenc; Ujszaszy, Kamtan; and Volford, Janos, 4,831,173, Cl. 556-420.000.
Eouzan, Jean Y.; and Heurtaux, Jean C., to Thomson-CSF. Sampling and holding circuit for signal having low sampling residual component, especially for the dual sampling of a correlated signal given by a charge-transfer device. 4,845,382, 7-4-89, Cl. 307-353.000.
Eparco: *See—*
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EPCO Products, Inc.: *See—*
Aichele, William H.; Hopkins, James O., Jr.; and Krauskopf, Dale H., 4,856,850, Cl. 303-20.000.
EPE Incorporated: *See—*
Strop, Hans R.; and Perry, Richard R., 4,808,426, Cl. 426-417.000.
Epel, Joseph N., to Shell Oil Company. Method and apparatus for reduction of mold cycle time. 4,873,044, 10-10-89, Cl. 264-257.000.
Epel, Joseph N.: *See—*
Wilkinson, Robert E.; and Epel, Joseph N., 4,806,298, Cl. 264-115.000.
Ephraim, Daniel R.; and Ephraim, Philip C., to Grinders, Inc. Grinding machine. 4,821,966, 4-18-89, Cl. 241-55.000.
Ephraim, Daniel R.: *See—*
Nidiffer, Charles A.; Anson, James H.; Ephraim, Daniel R.; and Ephraim, Philip C., 4,813,622, Cl. 241-100.000.
Ephraim, Jacob. Baby nursing bottle with temperature indicator. 4,878,588, 11-7-89, Cl. 215-11.200.
Ephraim, Philip C.: *See—*
Ephraim, Daniel R.; and Ephraim, Philip C., 4,821,966, Cl. 241-55.000.
Nidiffer, Charles A.; Anson, James H.; Ephraim, Daniel R.; and Ephraim, Philip C., 4,813,622, Cl. 241-100.000.
Epic Corporation. *See—*
Metcoff, Dale M.; and Holzboog, Walter, 4,805,813, Cl. 222-402.220.
Ward, Gary L., 4,811,402, Cl. 381-68.600.
Epic Products International Corp.: *See—*
Dahlgren, Harvey W., 4,836,129, Cl. 118-46.000.
Epicor Incorporated: *See—*
D'Angelo, Philip J.; Hetherington, Richard; and Rogan, Joseph J., 4,853,130, Cl. 210-663.000.
Epicor Technology, Inc.: *See—*
Choinski, Edward J., 4,884,337, Cl. 29-846.000.
Epilady U.S.A., Inc.: *See—*
Frank, Bernard, 4,816,644, Cl. 219-271.000.
Epinette, Jean-Alain: *See—*
Duthoit, Etienne; Epinette, Jean-Alain; and Carlier, Yves, 4,828,565, Cl. 623-22.000.
Epis, Gino: *See—*
Ciocca, Baldo; Formigoni, Attilio, and Epis, Gino, 4,814,000, Cl. 71-111.000.
Epitaux, Jacques. Apparatus for adjusting a safety ski binding. 4,860,595, 8-29-89, Cl. 73-862.020.
EPM AG: *See—*
Hess, Fritz, 4,807,794, Cl. 228-102.000.
Epner, Randolph L. Waste metal extraction apparatus. 4,863,580, 9-5-89, Cl. 204-269.000.
Epp, Lyda. Nursing device for infant with cleft lip or cleft palate. 4,856,663, 8-15-89, Cl. 215-11.100.
Epp, Niklaus; Fischer, Pius; and Deutsch, Heinz, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Acceleration apparatus for connection with a pilot operated compressed-air brake. 4,848,849, 7-18-89, Cl. 303-82.000.
Eppelmann, Heinz; and Fahler, Franz. Apparatus for determining the active ingredient release from soluble pharmaceutical products. 4,879,917, 11-14-89, Cl. 73-866.000.
Eppenbach, Lawrence C. Tent. 4,858,635, 8-22-89, Cl. 135-104.000.
Eppendorf-Netheler-Hinz GmbH, Firma: *See—*
Bader, Peter, 4,832,679, Cl. 494-16.000.
Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., to Fuel Tech, Inc. Method for the reduction of sulfur trioxide in an effluent. 4,822,577, 4-18-89, Cl. 423-243.000.
Epperly, William R.; Peter-Hoblyn, Jeremy D.; and Sullivan, James C., to Fuel Tech, Inc. Ammonia scrubbing. 4,830,839, 5-16-89, Cl. 423-235.000.
Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., to Fuel Tech, Inc. Process for the reduction of nitrogen oxides in an effluent. 4,844,878, 7-4-89, Cl. 423-235.000.
Epperly, William R.; Peter-Hoblyn, Jeremy D.; Shulof, George F., Jr.; Sullivan, James C.; and Sprague, Barry N., to Fuel Tech, Inc. Multistage process for reducing the concentration of pollutants in an effluent using an ammonium salt. 4,863,704, 9-5-89, Cl. 423-235.000.
Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., to Fuel Tech, Inc. Process for the reduction of nitrogen oxides in an effluent. 4,863,705, 9-5-89, Cl. 423-235.000.
Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., to Fuel Tech, Inc. Low temperature process for the reduction of nitrgen oxides in an effluent. 4,873,066, 10-10-89, Cl. 423-235.000.
Epperly, William R.; O'Leary, John H.; Sullivan, James C.; and Sprague, Barry N., to Fuel Tech, Inc. Process for nitrogen oxides reduction with minimization of the production of other pollutants. 4,877,590, 10-31-89, Cl. 423-235.000.
Epperly, William R.; and Sullivan, James C., to Fuel Tech, Inc. Process for the reduction of nitrogen oxides in an effluent using sugar. 4,877,591, 10-31-89, Cl. 423-235.000.
Epperly, William R.; and Sullivan, James C., to Fuel Tech, Inc. Process for the reduction of nitrogen oxides in an effluent using a heterocyclic hydrocarbon. 4,88[illegible]65, 12-19-89, Cl. 423-235.000.
Epperly, William R.: *See—*
Sullivan, James C.; and Epperly, William R., 4,803,059, Cl. 423-235.000.
Eppig, Christopher P.; Paspek, Stephen C.; and Stalzer, Richard B., to Standard Oil Company, The. Process for separating organic material from particulate solids. 4,885,079, 12-5-89, Cl. 208-13.000.
Eppig, Christopher P.: *See—*
Paspek, Stephen C.; and Eppig, Christopher P., 4,824,555, Cl. 208-187.000.
Paspek, Stephen C., Jr.; Hauser, Jeffrey B.; Eppig, Christopher P.; and Stalzer, Richard B., 4,842,715, Cl. 208-13.000.
Eppinger, Hans J., to Hughes Optical Products, Inc. Phase modulated ronchi testing of aspheric surfaces. 4,818,108, 4-4-89, Cl. 356-360.000.
Epple, Anton; Trube, Hans; and Pfeiffer, Martin, to Daimler-Benz Aktiengesellschaft. Stroke-controlled windshield wiper unit for motor vehicles. 4,817,236, 4-4-89, Cl. 15-250.340.
Eppler, Richard A.: *See—*
Pryor, Michael J.; Eppler, Richard A.; Smith, Edward F., III; and Butt, Sheldon H., 4,805,009, Cl. 357-70.000.
Eppley, William J.; and Hawkins, Warren E., to Honeywell Inc. Reserve activated electrochemical cell. 4,800,141, 1-24-89, Cl. 429-116.000.
Eppley, William J.; Pertuch, Walter T.; and Tierney, Bernard C., to Honeywell Inc. Overvoltage control circuit for a reserve battery. 4,869,975, 9-26-89, Cl. 429-7.000.
Eppolito, John, to Ultramatrix, Inc. Composite process video and motion picture photography system and method. 4,847,693, 7-11-89, Cl. 358-225.000.
Eppstein, Deborah A., to Syntex (U.S.A.) Inc. Synergistic antiviral composition. 4,857,316, 8-15-89, Cl. 424-85.600.
EPRI: *See—*
French, Thomas J.; Harrell, Lester R.; and Dellinger, Anthony L., 4,843,208, Cl. 219-121.390.
EPRI Electric Power Research Institute: *See—*
Stahl, Henrik O.; and Rostrup-Nielsen, Jens R., 4,830,834, Cl. 422-190.000.
EPS Environmental Protection Systems Limited: *See—*
Roydhouse, Richard H., 4,876,025, Cl. 252-182.320.
Epsco, Incorporated: *See—*
Call, William F., 4,841,260, Cl. 333-21.00A.
Epsilon: *See—*
deBoer, Wiebe B.; Jensen, Klavs F.; Johnson, Wayne L.; Read, Gary W.; and Robinson, McDonald, 4,798,165, Cl. 118-715.000.
Epsilon Limited Partnership: *See—*
Goodwin, Dennis L.; Hawkins, Mark R.; Johnson, Wayne L.; Olsen, Aage; and Robinson, McDonald, 4,874,464, Cl. 156-646.000.
Epsilon Technology, Inc.: *See—*
Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goodwin, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoer, Wiebe B., 4,828,224, Cl. 251-298.000.
Klem, David C., 4,813,732, Cl. 294-103.100.
Ozias, Albert E., 4,846,102, Cl. 118-730.000.
Robinson, McDonald; and Ozias, Albert E., 4,836,138, Cl. 118-666.000.
Epson Corporation: *See—*
Koto, Haruhiko; Okada, Junichi; Ishii, Hiroshi; and Sawada, Kenji, 4,806,955, Cl. 346-140.00R.
Epstein, Alan H.; Guenette, Gerald R.; and Norton, Robert J. G., to United States of America, Navy. Method for calibrating a heat flux gauge. 4,812,050, 3-14-89, Cl. 374-1.000.
Epstein, Alan L.; and Taylor, Clive R., to Cancer Biologics, Inc. Detection of necrotic malignant tissue and associated therapy. 4,861,581, 8-29-89, Cl. 424-1.100.
Epstein, Allen S.: *See—*
Robinson, Herbert L.; and Epstein, Allen S., 4,807,599, Cl 128-16.000.
Epstein, Arthur J.; Ewing, Joan R.; and Swift, Joseph A., to Xerox Corporation. Electrically insulating polymer matrix with conductive path formed in situ. 4,841,099, 6-20-89, Cl. 174-68.500.
Epstein, Barry M. Apparatus and method for minimizing the let-through voltage associated with circuits used in conjunction with

electronic elements to suppress surges, transients and like electrical disturbances. 4,835,650, 5-30-89, Cl. 361-56.000.
Epstein, Barry M. Protector network for A-C equipment. 4,860,150, 8-22-89, Cl. 361-90.000.
Epstein, Joseph; Parsons, John A.; and Block, Frank, to United States of America, Army. Use of sulfoxides for testing ionization detector system. 4,840,911, 6-20-89, Cl. 436-8.000.
Epstein, Joseph W.: *See—*
  Tseng, Shin S.; Dusza, John P.; and Epstein, Joseph W., 4,847,256, Cl. 514-258.000.
  Tseng, Shin S.; Dusza, John P.; and Epstein, Joseph W., 4,888,345, Cl. 514-258.000.
Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, to Omni-Flow, Inc. Pressure responsive multiple input infusion system. 4,828,545, 5-9-89, Cl. 604-66.000.
Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, to Omni-Flow, Inc. Cassette for programable multiple input infusion system. 4,865,[illegible]84, 9-12-89, Cl. 604-67.000.
Epsztein, Bernard: *See—*
  Fleury, Georges; and Epsztein, Bernard, 4,837,522, Cl. 330-149.000.
Epton, David J.: *See—*
  Hutcheon, Ian C.; and Epton, David J., 4,860,151, Cl. 361-91.000.
Equchi, Hirotoshi: *See—*
  Izumi, Kouji; Itagaki, Masanori; Ohta, Eiichi; Okamoto, Hiroyuki; Ino, Masumitsu; and Equchi, Hirotoshi, 4,849,730, Cl. 338-2.000.
EquiMed Corporation: *See—*
  Olson, Richard J.; and Gust, David C., 4,883,064, Cl. 128-696.000.
Equip-Mark, Inc.: *See—*
  Hume, Ronald W., 4,854,721, Cl. 366-340.000.
Equipements Automobiles Marchal: *See—*
  Eustache, Jean-Pierre; and Maubray, Daniel, 4,794,818, Cl. 74-600.000.
  Heritier-Best, Pierre, 4,843,362, Cl. 336-61.000.
Equipements Denis Inc.: *See—*
  Denis, Laurent, 4,817,692, Cl. 144-3.00D.
Equipements Electriques Moteur: *See—*
  Froment, Francis, 4,837,468, Cl. 310-42.000.
Equipements Electriques Moteur Societe Anonyme: *See—*
  Sadier, Jacques, 4,864,715, Cl. 29-596.000.
Equipements et Composants pour l'Industrie Automobile: *See—*
  Henigue, Christian, 4,875,387, Cl. 74-552.000.
Equipment Engineering, Inc.: *See—*
  Roman, Donald C., 4,846,728, Cl. 494-41.000.
Equipment Systems and Devices, Inc.: *See—*
  Gitlin, Harvey S.; and Wilfong, Evan C., 4,828,096, Cl. 194-200.000.
  Wilfong, Evan C.; and Gitlin, Harvey S., 4,802,566, Cl. 194-350.000.
Equipment Tracking Network, Inc.: *See—*
  Marinelli, Orlando M.; and Rector, Mark, 4,884,208, Cl. 364-460.000.
Equipments Automobiles Marchal: *See—*
  Hamelin, Rene-Louis; and Wattier, Maurice F., 4,802,374, Cl. 74-89.140.
Equus Marketing AG: *See—*
  Schafer, Stephen, 4,830,430, Cl. 297-298.000.
Equus Marketing Corp.: *See—*
  Tobler, Peter, 4,884,846, Cl. 297-411.000.
ER Fluid Developments Limited: *See—*
  Stangroom, James E., 4,812,251, Cl. 252-75.000.
ERA Aviation, Inc.: *See—*
  Lannerd, Robert F.; and Murphy, David K., 4,860,972, Cl. 244-135.00R.
Era, Hidenori; Shimizu, Mineo; and Chen, Huang-Chuan, to China Steel Corporation. Method of producing a multi-phase structured cold rolled high-tensile steel sheet. 4,854,976, 8-8-89, Cl. 148-2.000.
Era, Koh: *See—*
  Mishima, Osamu; Yamaoka, Shinobu; Fukunaga, Osamu; Tanaka, Junzo; and Era, Koh, 4,875,967, Cl. 156-605.000.
ERA Patents Limited: *See—*
  Aitchison, Colin S., 4,885,483, Cl. 307-492.000.
  Coleman, Raymond L.; and Kurn, Peter A., 4,857,856, Cl. 324-547.000.
Eralp, Emin: *See—*
  Itil, Turan M.; Shapiro, Donald M.; Eralp, Emin; and Johansson, Nils E., 4,800,888, Cl. 128-644.000.
Erametsa, Henrik; Kuvaja, Kari; Maki-Kihnia, Kalevi; and Terava, Jorma, to Rauma-Repola Oy. Method and device for collecting objects from the seabed. 4,842,336, 6-27-89, Cl. 299-8.000.
Erana, Agustin A. Shooting device for core blowing machines. 4,807,690, 2-28-89, Cl. 164-200.000.
Erath, Louis W., to Erath-Young Instrument Company, Inc. Differential pressure applanation tonometer. 4,860,755, 8-29-89, Cl. 128-645.000.
Erath-Young Instrument Company, Inc.: *See—*
  Erath, Louis W., 4,860,755, Cl. 128-645.000.
Eratt, Judy A.; and Nasim, Anwar, to Canadian Patents and Development Ltd. Cloning of thermolabile glucoamylase gene into saccharomyces cerevisiae. 4,870,014, 9-26-89, Cl. 435-172.300.
Erb, George H.; and Beard, Susan E., to Erblok Associates. Apparatus for making multiple hook fastener media. 4,853,070, 8-1-89, Cl. 156-436.000.
Erb, John C. Anti-theft system for articles secured by recessed socket head threaded fasteners. 4,809,569, 3-7-89, Cl. 81-121.100.
Erb, Karl J., to Mettler Instruments AG. Method of and an apparatus for an optical measuring of a position. 4,799,798, 1-24-89, Cl. 356-374.000.
Erb, Lee A.: *See—*
  Nelson, Loren D.; Erb, Lee A.; Ware, Randolph H.; and Rottner, Donald, 4,873,481, Cl. 324-58.50R.
Erb, Robert C. Autoclavable laser beam manipulator. 4,798,452, 1-17-89, Cl. 350-632.000.
Erbamont, Inc.: *See—*
  Lednicer, Daniel; and Sun, Jung-Hui, 4,888,353, Cl. 514-422.000.
Erbe, Ehrenfried, to Siemens Aktiengesellschaft. Hearing aid comprising printed circuit board. 4,890,329, 12-26-89, Cl. 381-68.700.
Erbe Elektromedizin GmbH: *See—*
  Farin, Gunter; Haag, Reiner; and Putz, Peter, 4,860,745, Cl. 128-303.170.
  Flachenecker, Gerhard; Fastenmeier, Karl; and Lindenmeier, Heinz, 4,890,073, Cl. 331-55.000.
Erbeia, Angelo: *See—*
  Girardeau-Montaut, Jean-Pierre; Girardeau-Montaut, Claire; and Erbeia, Angelo, 4,845,365, Cl. 250-423.00P.
Erben, Ralf; Langert, Albert; Madzgalla, Frank-Wilhelm; and Madzgalla, Hans-Georg, to Lucas Industries public limited Company. Spot-type disc brake with resetting means. 4,860,858, 8-29-89, Cl. 188-71.800.
Erbert, Virgil, to Wattsun, Inc. Photovoltaic power modules and methods for making same. 4,834,805, 5-30-89, Cl. 136-246.000.
Erbes, Kurt: *See—*
  Schneller, Arnold; Schulze, Ralf; Sander, Juergen; and Erbes, Kurt, 4,822,719, Cl. 430-270.000.
Erbil, Ahmet, to Georgia Tech Research Corporation. Chemical vapor deposition of Group IB metals. 4,880,670, 11-14-89, Cl. 427-226.000.
Erbil, Ahmet, to Georgia Tech Research Corporation. Chemical vapor deposition of group IIIB metals. 4,882,206, 11-21-89, Cl. 427-229.000.
Erblok Associates: *See—*
  Erb, George H.; and Beard, Susan E., 4,853,070, Cl. 156-436.000.
Erbs, Daryl G.: *See—*
  Bench, Ronald W.; Peitz, Robert W., Jr.; Palmer, John M.; and Erbs, Daryl G., 4,835,715, Cl. 364-557.000.
Erca Holding: *See—*
  Hautemont, Jean-Claude, 4,811,550, Cl. 53-478.000.
  Hautemont, Jean-Claude, 4,814,123, Cl. 264-40.600.
  Hautemont, Jean-Claude, 4,854,850, Cl. 425-503.000.
Erceg, Jack P.; and Yeh, Tzong I., to Packaging Industries Group, Inc. Plastic hinge, hinged material, and method for hinging. 4,885,820, 12-12-89, Cl. 16-225.000.
Erceg, Jack P.: *See—*
  Bambara, John D.; and Erceg, Jack P., 4,837,060, Cl. 428-36.500.
Erchak, Nikolai P.: *See—*
  Lukevits, Edmund Y.; Kastron, Valeria V.; Vitolin, Rasma O.; Erchak, Nikolai P.; Skrastinsh, Indulis P.; Dubur, Gunar Y.; and Kimenis, Agris A., 4,841,054, Cl. 546-14.000.
Erck, Wesley R.: *See—*
  Chapman, David C.; and Erck, Wesley R., 4,849,313, Cl. 430-5.000.
Ercole, Maurizio; De Alessi, Renato; and Garau, Enrico, to D.E.A Digital Electronic Automation S.p.A. Rearrangeable supporting and positioning fixture, particularly for parts measurable on a gauging machine. 4,848,005, 7-18-89, Cl. 33-568.000.
Ercon, Inc.: *See—*
  Ehrreich, John E., 4,836,955, Cl. 252-512.000.
Erdei, Roland: *See—*
  Wittmann, Heinz; Erdei, Roland; and Szasz, Tibor, 4,872,272, Cl. 36-117.000.
Erdelitsch, Herbert; Machalitzky, Otto; and Prang, Josef-Elmar, to SWF Auto-Electric GmbH. Switch for energizing an electric motor of a wiper system. 4,857,815, 8-15-89, Cl. 318-443.000.
Erdelitsch, Herbert; Machalitzky, Otto; and Rachner, Horst, to SWF Auto-Electric GmbH. Steering column switch with indirectly guided bridging contacts. 4,882,457, 11-21-89, Cl. 200-61.540.
Erdeljac, John P.: *See—*
  Hutter, Louis N.; and Erdeljac, John P., 4,805,071, Cl. 361-313.000.
Erdell, Margaret A.: *See—*
  Pawlik, James P.; and Erdell, Margaret A., 4,833,454, Cl. 340-545.000.
Erdelmeier, Clemens: *See—*
  Nyiredy, Szabolcs; Erdelmeier, Clemens; and Sticher, Otto, 4,797,215, Cl. 210-658.000.
Erdi, George, to Linear Technology Corporation. Low voltage current source/start-up circuit. 4,837,496, 6-6-89, Cl. 323-315.000.
Erdman, Leon P.: *See—*
  Cerny, John R., Jr.; Olson, Jay H.; Hall, James W.; and Erdman, Leon P., 4,887,420, Cl. 56-320.200.
Erdman, Timothy R.: *See—*
  Wollenberg, Robert H.; Plavac, Frank; and Erdman, Timothy R., 4,840,744, Cl. 252-51.50A.
Erdmann, Alan J.; and Shirley, Ralph E., to Deere & Company. Transmission differential. 4,860,614, 8-29-89, Cl. 74-710.000.
Erdmann, Dietrich; Van Ghemen, Max E.; Pohl, Ludwig; Schumann, Herbert; Hartmann, Uwe; Wassermann, Wilfried; Heyen, Meino; and Jurgensen, Holger, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Organometallic compounds. 4,880,492, 11-14-89, Cl. 156-610.000.
Erdmann, Fritz; Thamm, Horst-Dieter; and Staudt, Hans-Joachim, to Hoechst Aktiengesellschaft. Process for the preparation of an o-naphthoquinonediazide sulfonic acid ester and photosensitive mixture containing same. 4,873,169, 10-10-89, Cl. 430-192.000.

Erekson, Erek J.; and Lee, Anthony L., to Institute of Gas Technology. Mixed basic metal oxide catalyst for oxidative coupling of methane. 4,826,796, 5-2-89, Cl. 502-202.000.
Eremity, Frank; and Arway, George, to A. B. Dick Company. Variable orientation ink catcher. 4,890,119, 12-26-89, Cl. 346-75.000.
Erez Forensic Technology, Ltd.: *See—*
  Glattstein, Baruch; and Aserin, Abraham, 4,812,413, Cl. 436-92.000.
  Glattstein, Baruch, 4,840,912, Cl. 436-92.000.
Erfort, Thomas J., Jr., to Salem Furnace Co. Apparatus for continuous heat treatment of metal strip in coil form. 4,817,920, 4-4-89, Cl. 266-252.000.
Erfurt, George A.: *See—*
  Gellman, Gary; Erfurt, George A.; and Roe, James E., 4,800,099, Cl. 426-641.000.
Erga S.r.l.: *See—*
  Mori, Gianluigi, 4,833,902, Cl. 70-456.00R.
Ergene, Serdar: *See—*
  Lien, Sheue-Ling; Shantz, Michael J.; Evans, Jerald R.; Ergene, Serdar; and Carrie, Susan E., 4,855,935, Cl. 364-521.000.
Ergenics, Inc.: *See—*
  Golben, Peter M., 4,884,953, Cl. 417-379.000.
  Sandrock, Gary D.; and Woodward, Winfred L., III, 4,839,085, Cl. 252-181.600.
Ergenics Power Systems, Inc.: *See—*
  Adlhart, Otto J.; and Rosso, Matthew J., Jr, 4,826,741, Cl. 429-19.000.
Ergo Forschungsgesellschaft mbH: *See—*
  Kopach, Reiner; Gosswein, Claus F.; Lutz, Henning; Ball, Michael; and Hubert, Peter, 4,872,987, Cl. 210-635.000.
Ergomed, Inc.: *See—*
  Carroll John F., 4,844,061, Cl. 128-201.000.
Ergonomic Equipment Pty. Ltd.: *See—*
  Grout, John E., 4,850,563, Cl. 248-422.000.
Ergoplic Ltd.: *See—*
  Eilam, Zohar; and Bar Itzchak, Zeev, 4,833,446, Cl. 341-22.000.
Ergotron, Inc.: *See—*
  Sweere, Harry C., 4,836,478, Cl. 248-1.00E.
Ergun, Joseph, to Maremont Corporation. Heavy duty vehicular shock absorber. 4,823,922, 4-25-89, Cl. 188-322.150.
Erhan, Semih. Protein polymer grafts. 4,822,867, 4-18-89, Cl. 527-200.000.
Erhan, Semih. Polymer preparation from lysine and a quinone. 4,831,107, 5-16-89, Cl. 528-229.000.
Erhan, Semih. Crosslinkable aramids. 4,845,278, 7-4-89, Cl. 562-435.000.
Erhan, Semih. Novel Polymers. 4,882,413, 11-21-89, Cl. 528-229.000.
Erhard Thoma: *See—*
  Laeuppi, Heinrich; and Fedrizzi, Bruno, 4,799,820, Cl. 404-100.000.
Erhardt, Heinrich S., to Image Storage/Retrieval Systems, Inc. Computer controlled, overhead projector display. 4,846,694, 7-11-89, Cl. 434-365.000.
Erhardt, James A.; and Richardson, Bruce E. Electronic flow controller for hydronic heating systems. 4,863,100, 9-5-89, Cl. 237-8.00R.
Erhardt, Kurt R.; and Meronek, Peter S. Fabric clothing including a three dimensional pattern. 4,815,149, 3-28-89, Cl. 2-243.00B.
Erhardt & Leimer GmbH: *See—*
  Mack, Horst; and Scharm, Klaus, 4,848,632, Cl. 226-18.000.
Erhardt, Manfred; and Loos, Herbert, to Carl Hurth Maschinen- und Zahnradfabrik GmbH & Co. Gearlike dressing tool. 4,799,473, 1-24-89, Cl. 125-11.0CD.
Erhardt, Paul W.; and Matier, William L., to Du Pont de Nemours, E. I., and Company. Esters of aryloxypropanolamine derivatives. 4,804,677, 2-14-89, Cl. 514-435.000.
Erhardt, Wolfgang: *See—*
  Wess, Othmar; Groezinger, Reiner; Isdebski, Kai; Windsheimer, Manfred; and Erhardt, Wolfgang, 4,805,600, Cl. 128-24.00A.
Erhart, Erich, to Steyr-Daimler-Puch AG. Process of providing in a liquid-containing liquid friction coupling an air-filled space having a predetermined volume. 4,872,489, 10-10-89, Cl. 141-5.000.
Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, to Den Norske Stats Oljeslenskap A.S. Catalyst for production of hydrocarbons. 4,801,573, 1-31-89, Cl. 502-302.000.
Eri, Sigrid; and Goodwin, James G., Jr., to Gas-To-Oil, Inc. Process for production of hydrocarbons. 4,857,559, 8-15-89, Cl. 518-700.000.
Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, to Den Norske Stats Oljeselskap A.S. Catalyst for production of hydrocarbons. 4,880,763, 11-14-89, Cl. 502-302.000.
Erane, Alain; Chevalier, Michel; and Bouaziz, Joel, to Bull, S.A. Method of and apparatus for confiscating a data bearing card. 4,864,114, 9-5-89, Cl. 235-480.000.
Eric, Couste; and Jean-Luc, Jacob, to Merip Oil Tools International (MOTI) S.A. Safety gate valve for petroleum wells, permitting operation by artificial flow. 4,836,287, 6-6-89, Cl. 166-321.000.
Erich, Otis G., Jr.; and Fillippone, Walter R., to Union Oil Company of California. Geophone apparatus and a seismic exploration method. 4,813,029, 3-14-89, Cl. 367-188.000.
Erickson, Anita S.: *See—*
  Karbowski, Robert J.; Erickson, Anita S.; Gartner, Charles D.; and Roy, Kathleen A., 4,800,082, Cl. 424-409.000.
Erickson, Bruce W.: *See—*
  Durrum, Emmett L.; Amendola, Stephen; and Erickson, Bruce W., 4,861,866, Cl. 530-333.000.
Erickson, Chad S., to Alternative Pioneering Systems Inc. Air Fryer. 4,817,509, 4-4-89, Cl. 99-330.000.
Erickson, Curtis, to Hydrosplash Enterprises, Inc. Aquatic exercise device. 4,875,673, 10-24-89, Cl. 272-71.000.
Erickson, David E., to GenCorp Inc. Method for making latices. 4,806,610, 2-21-89, Cl. 527-201.000.
Erickson, David E.; and Reed, Thomas F., to GenCorp Inc. Preparation of latices. 4,812,550, 3-14-89, Cl. 527-201.000.
Erickson, David E.; and Sharma, Satish C., to GenCorp Inc. Method for treating grafted protein latices. 4,855,338, 8-8-89, Cl. 523-335.000.
Erickson, David J., II; Naylor, Michael G.; and Knobloch, Robert R., to Dexter Corporation, The. Electrical floating bond assembly. 4,842,530, 6-27-89, Cl. 439-98.000.
Erickson, Don J. Method and apparatus for treating wellbores. 4,830,112, 5-16-89, Cl. 166-304.000.
Erickson, Donald C. Nitrogen partial expansion refrigeration for cryogenic air separation. 4,796,431, 1-10-89, Cl. 62-31.000.
Erickson, Donald C. High temperature non-oxidizing water vapor absorbent. 4,801,393, 1-31-89, Cl. 252-69.000.
Erickson, Donald C. Absorption heat pumped cogeneration engine. 4,803,958, 2-14-89, Cl. 122-21.000.
Erickson, Donald C. Companded total condensation loxboil air distillation. 4,817,393, 4-4-89, Cl. 62-22.000.
Erickson, Donald C. Optimized intermediate height reflux for multipressure air distillation. 4,817,394, 4-4-89, Cl. 62-22.000.
Erickson, Donald C. Nested enrichment cascade distillation of unequal mixtures. 4,824,527, 4-25-89, Cl. 203-25.000.
Erickson, Donald C. Enhanced argon recovery from intermediate linboil. 4,832,719, 5-23-89, Cl. 62-22.000.
Erickson, Donald C. High cop absorption heat pumped evaporation method and apparatus. 4,846,240, 7-11-89, Cl. 159-24.200.
Erickson, Donald C. Rectifier liquid generated intermediate reflux for subambient cascades. 4,854,954, 8-8-89, Cl. 62-22.000.
Erickson Electrical Equipment Company: *See—*
  Erickson, Reuben A., 4,819,129, Cl. 361-365.000.
Erickson, Frank: *See—*
  Landis, Phillip S.; and Erickson, Frank, 4,873,008, Cl. 252-46.600.
Erickson, Frederick L.: *See—*
  Richeson, William E.; and Erickson, Frederick L., 4,852,528, Cl. 123-90.110.
  Richeson, William E.; and Erickson, Frederick L., 4,872,425, Cl. 123-90.130.
  Richeson, William E.; and Erickson, Frederick L., 4,873,948, Cl. 123-90.110.
  Richeson, William E.; and Erickson, Frederick L., 4,875,441, Cl. 123-90.130.
  Richeson, William E., Jr.; and Erickson, Frederick L., 4,878,464, Cl. 123-90.110.
Erickson, Gary W. Apparatus for attaching cable to a surface. 4,805,824, 2-21-89, Cl. 227-120.000.
Erickson, George; and Rindone, Louis, Sr. Integrated circuit socket and board. 4,830,622, 5-16-89, Cl. 439-70.000.
Erickson, Herbert V. Handle for use with rollable garbage cans. 4,807,916, 2-28-89, Cl. 294-15.000.
Erickson, James W.; Jeche, Merlyn W.; O'Groske, Rolland D.; and Richter, Gerald L., to International Business Machines Corporation. Customizable plugs for A.C. power cords. 4,815,983, 3-28-89, Cl. 439-173.000.
Erickson, Kenton L.: *See—*
  Cooper, Bruce C.; Erickson, Kenton L.; Green, James A.; and Nycz, David S., 4,867,119, Cl. 123-193.00P.
Erickson, Laurence R.; Behr, R. Douglas; and Vrooman, Roger D., to Dow Chemical Company, The. Stand-up plastic bag and method of making same. 4,837,849, 6-6-89, Cl. 383-104.000.
Erickson, Laurence R., to DowBrands Inc. Transparent plastic film comprising low density polyethylene. 4,885,352, 12-5-89, Cl. 526-348.100.
Erickson, Phillip J.: *See—*
  Heacock, Gregory L.; and Erickson, Phillip J., 4,801,198, Cl. 351-214.000.
Erickson, Reuben A., to Erickson Electrical Equipment Company. Removable watt-hour meter socket compartment panel cover with safety partition. 4,819,129, 4-4-89, Cl. 361-365.000.
Erickson, Robert A., to Kennametal Inc.; and Krupp Widia GmbH. Lock rod and apparatus for holding a toolholder. 4,836,068, 6-6-89, Cl. 82-160.000.
Erickson, Robert W.: *See—*
  Johnstone, Norman E.; Gaynor, John C.; and Erickson, Robert W., 4,801,355, Cl. 162-181.300.
Erickson, Robert W., Jr., to General Motors Corporation. Nonlinear resonant switch and converter. 4,829,232, 5-9-89, Cl. 323-290.000.
Erickson, Ronnie D.; and Nelson, Mark J. Method and means for measuring distance of a moving object from a fixed point of reference. 4,868,401, 9-19-89, Cl. 250-548.000.
Erickson, Roy O.; Selewski, Steve; and Alberts, John, to Rexair, Inc. Radial cooling fan for vacuum cleaner motor. 4,851,017, 7-25-89, Cl. 55-256.000.
Erickson, Roy O., Jr., to Rexair, Inc. Air blower assembly for vacuum cleaners. 4,824,333, 4-25-89, Cl. 417-360.000.
Erickson, Thomas F., Jr. Transporation system and method of operation. 4,883,245, 11-28-89, Cl. 246-2.00R.
Erickson Tool Company: *See—*
  Ramunas, Valdas S., 4,797,564, Cl. 307-119.000.
Erickson, Wayne K.: *See—*
  Burgess, Kenneth W.; Erickson, Wayne K.; and Bryant, William R., 4,814,219, Cl. 428-113.000.
Erickson, William E.: *See—*
  White, Gregory S.; and Erickson, William E., 4,825,957, Cl. 172-126.000.

- Erickson, William R.; Stain, Donald B.; and Wilson, James D., to Phosphate Engineering & Construction Co., Inc. Production of monobasic potassium phosphate with low chloride content from potassium chloride and phosphoric acid produced from the commercial wet process. 4,885,148, 12-5-89, Cl. 423-309.000.
- Erickson, William R.: *See—*
  - Derdall, Gary D.; Erickson, William R.; Phinney, Robin L.; and Wilson, James D., 4,828,811, Cl. 423-319.000.
- Ericksson, Tore, to Inventing S.A. Method and apparatus for blade-coating of a moving web. 4,880,672, 11-14-89, Cl. 427-356.000.
- Erico Fastening Systems, Inc.: *See—*
  - Raycher, Robert J.; Cangro, Ronald A.; Gum, Charles E.; Macinskas, Dean P.; and Williams, Francis J., 4,804,811, Cl. 219-98.000.
- Erico International Corporation: *See—*
  - Amos, Michael D.; Brosnan, Denis A.; Samas, Mark V.; Singer, Richard E.; Whetsel, James E.; and Kovarik, David P., 4,881,677, Cl. 228-33.000.
  - Amos, Michael D.; Kovarik, David P.; and Kub, George F., Jr., 4,885,452, Cl. 219-130.400.
  - Brosnan, Denis A.; Whetsel, James E.; Singer, Richard E.; Samas, Mark V.; Amos, Michael D.; and Kovarik, David P., 4,889,324, Cl. 266-157.000.
  - Kies, Anton M.; van den Nieuwelaar, Harry C.; and Bowmer, Geoff M., 4,819,469, Cl. 72-89.000.
  - Kies, Anton M.; van den Nieuwelaar, Harry C.; and Bowmer, Geoff M., 4,870,848, Cl. 72-89.000.
  - Kovarik, David P.; and Amos, Michael D., 4,879,452, Cl. 219-130.400.
- Ericson, Bjorn-Inge: *See—*
  - Orndal, Carl-Henry; Gummesson, Bengt-Ake G.; and Ericson, Bjorn-Inge, 4,797,655, Cl. 340-521.000.
- Ericson, Clas: *See—*
  - Ekander, Hans; Ericson, Clas; Tallback, Gote; Tinoco, Hernan; and Ostrom, Staffan, 4,820,342, Cl. 75-10.650.
- Ericson, Richard J.; and Rivera, Jaime A., to Otis Elevator Company. Structural support for hydraulic elevator car. 4,848,519, 7-18-89, Cl. 187-1.00R.
- Ericsson, Lars: *See—*
  - Hagglund, Hans; Ericsson, Lars; and Wiklund, Rudolf, 4,880,212, Cl. 266-94.000.
  - Wiklund, Rudolf; and Ericsson, Lars, 4,837,717, Cl. 364-563.000.
- Ericsson, Magnus, to AB Biodisk. Method and a device for applying objects onto a surface. 4,854,627, 8-8-89, Cl. 294-64.100.
- Ericsson, Rune. Impact apparatus. 4,846,287, 7-11-89, Cl. 173-13.000.
- Ericsson, S. Staffan, to PicTel Corporation. Method and apparatus for efficiently encoding and decoding image sequences. 4,816,914, 3-28-89, Cl. 358-133.000.
- Ericsson, S. Staffan, to PictureTel Corporation. Hierarchial encoding method and apparatus for efficiently communicating image sequences. 4,849,810, 7-18-89, Cl. 358-133.000.
- Ericsson, Sylve J. D., to Svecia Silkscreen Maskiner AB. Sheet gripper arrangement for silk screen printer. 4,802,410, 2-7-89, Cl. 101-124.000.
- Ericsson, Sylve J. D., to Svecia Silkscreen Maskiner AB. Silkscreen printer. 4,813,352, 3-21-89, Cl. 101-126.000.
- Erie Plastics Corp.: *See—*
  - Wittig, Norman P.; and Groh, David, 4,795,028, Cl. 206-217.000.
- Erie Scientific Company: *See—*
  - Rosenberg, James H., 4,828,111, Cl. 206-456.000.
- Eriez Manufacturing Company: *See—*
  - Falconer, Thomas H.; and Benson, William H., 4,880,106, Cl. 198-763.000.
- Eriks Holding N.V.: *See—*
  - Kleynjans, Joseph P. H., 4,799,342, Cl. 52-173.0DS.
  - Kleynjans, Joseph P. H.; Kalempa, Walenty; and Pealer, Dominic J., 4,823,421, Cl. 14-71.300.
- Erikson, Anders: *See—*
  - Ramesh, Nallepilli S.; Cheemalavagu, Suresh; and Erikson, Anders, 4,879,727, Cl. 375-76.000.
- Erikson, Evans W.; Reynolds, Richard W.; and Ryan, Daniel M., to Sundstrand Corporation. Engine starting and power generating system. 4,817,459, 4-4-89, Cl. 74-687.000.
- Erikson, Magnus, to ITT Industries, Inc. Sleeve joint. 4,802,783, 2-7-89, Cl. 403-2.000.
- Eriksson, Alf: *See—*
  - Johnson, Allan S.; and Eriksson, Alf, 4,832,542, Cl. 408-139.000.
- Eriksson, Arne, to Beloit Corporation. Rotating disc screen. 4,857,180, 8-15-89, Cl. 209-664.000.
- Eriksson, Bror, to Iggesund Tools AB. Debarking means for rotation ring type barking machines. 4,852,622, 8-1-89, Cl. 144-208.00E.
- Eriksson, Erik G.; Oskarsson, Rolf G.; and von Holst, Johan P., to Santrade Limited. Tool in the form of a compound body and method of producing the same. 4,849,300, 7-18-89, Cl. 428-558.000.
- Eriksson, Erik G.: *See—*
  - Oskarsson, Rolf G.; and Eriksson, Erik G., 4,869,974, Cl. 428-328.000.
- Eriksson, Hans E. K., to Sunds Defibrator Aktiebolag. Dewatering press with perforated metal outer shell and resilient elastic mounting means. 4,861,433, 8-29-89, Cl. 162-323.000.
- Eriksson, Hans F.: *See—*
  - Bernhardsson, Sven-Olov; Eriksson, Hans F.; Norberg, Sven P.; Forssell, Lars O. H.; and Lindqvist, Nils R., 4,798,635, Cl. 148-325.000.
- Eriksson, Hans O., to Telefonaktiebolaget L M Ericsson. Arrangement for adjusting an impedance network in an integrated semiconductor circuit. 4,797,578, 1-10-89, Cl. 307-303.000.
- Eriksson, Jan E., to Asea Brown Boveri AB. Movable strand stirrer 4,886,109, 12-12-89, Cl. 164-504.000.
- Eriksson, Jan E.: *See—*
  - Andersen, Ingvar T.; and Eriksson, Jan E., 4,842,04 Cl 164-504.000.
- Eriksson, Jan-Olof. Non-abrasive polish or cleaning composition and process for its preparation. 4,861,374, 8-29-89, Cl. 106-3.000.
- Eriksson, Klas-Goran; and Stenman, Rolf, to Skega AB. Wear resistant element included in a mill lining. 4,848,681, 7-18-89, Cl. 241-183.000.
- Eriksson, Larry J.; Allie, Mark C.; and Hoops, Richard H., to Nelson Industries Inc. Microphone probe for acoustic measurement in turbulent flow. 4,811,309, 3-7-89, Cl. 367-140.000.
- Eriksson, Larry J.; Allie, Mark C.; and Hoops, Richard H., to Nelson Industries, Inc. Active acoustic attenuation system for higher order mode non-uniform sound field in a duct. 4,815,139, 3-21-89, Cl. 381-71.000.
- Eriksson, Lars, to Lagergren, Lars, a part interest. Device for fastening doors and windows to a wall opening. 4,856,241, 8-15-89, Cl. 52-217.000.
- Eriksson, Rolf; Hammarlund, Gudmar; and Sundqvist, Lars-Erik, to Asea Brown Boveri AB. Contact on test switch. 4,880,395, 11-14-89, Cl. 439-507.000.
- Erintrud Frimberger: *See—*
  - Frimberger, Eckart, 4,846,175, Cl. 128-303.150.
- Erion, George T. Ladder leveling accessory. 4,852,689, 8-1-89, Cl. 182-204.000.
- Erismann, David W.: *See—*
  - Deziel, Edward W.; Rueb, John T.; Sorlien, Mark D.; Dahlstrom, Jack A.; and Erismann, David W., 4,821,359, Cl. 15-159.00R.
- Erk, Kaya, to Maxconn, Inc. Stacked multipin connectors. 4,818,23 4-4-89, Cl. 439-55.000.
- Erk, Kaya, to Maxconn, Inc. Support device for wires in multi-contact connectors. 4,857,017, 8-15-89, Cl. 439-695.000.
- Erk, Peter: *See—*
  - Huenig, Siegfried; Aumueller, Alexander; and Erk, Peter 4,885,368, Cl. 544-347.000.
- Erkander, Ragnar S.: *See—*
  - Forsberg, Stefan G.; and Erkander, Ragnar S., 4,860,286, Cl. 370-106.000.
- Erkens, Leonardus J. H.; Algra, Gerben P.; Snijders, Jacobus M. H.; Geurts, Herman J. J. M.; and Rugin, Andre, to Ciba-Geigy Corporation. Orthorhombic lead chromate pigments of greenish hue 4,872,915, 10-10-89, Cl. 106-433.000.
- Erkku, Jan H.: *See—*
  - Gillingham, Peter; and Erkku, Jan H., 4,803,705, Cl. 375-120.000.
- Erlamo, Seppo J.: *See—*
  - Leiponen, Matti O.; Erlamo, Seppo J.; Kujanpaa, Pentti K.; and Ylimaki, Olli E., 4,806,213, Cl. 204-12.000.
- Erlandsen, Peter. Bivalve mollusk dredge. 4,827,635, 5-9-89, Cl. 37-55.000.
- Erlandsson, Kjell I., to Kelley Company, Inc. Vehicle restraint using both linear and pivotal movement. 4,861,217, 8-29-89, Cl. 414-401.000.
- Erlanger, Bernard F.: *See—*
  - Edelman, Isidore S.; Erlanger, Bernard F.; Tzilianos, Efthimia; and Cleveland, William L., 4,818,684, Cl. 435-7.000.
- Erlemann, Gustav; Fizet, Christian; and Pauling, Horst, to Hoffmann-La Roche Inc. Light screening agents. 4,833,259, 5-23-89, Cl. 549-318.000.
- Erlenmaier, Gunter; and Spies, Klaus, to Diehl GmbH & Co. Track chain constructed pursuant to the linkage principle for track-laying vehicles. 4,813,750, 3-21-89, Cl. 305-58.0PC.
- Erlenmayer, Udo: *See—*
  - Dorge, Franz; Erlenmayer, Udo; Faber, Bernd; Herty, Winfried; and Munz, Gunter, 4,880,259, Cl. 285-137.100.
- Erler, Axel: *See—*
  - Guse, Gunter; Horstmann, Michael; and Erler, Axel, 4,882,163, Cl. 424-448.000.
- Erlich, Brian H.; and Erlich, Frederick. Catheter. 4,850,982, 7-25-89, Cl. 604-256.000.
- Erlich, Frederick: *See—*
  - Erlich, Brian H.; and Erlich, Frederick, 4,850,982, Cl. 604-256.000.
- Erlich, Henry A.: *See—*
  - Mullis, Kary B.; Erlich, Henry A.; Arnheim, Norman; Horn, Glenn T.; Saiki, Randall K.; and Scharf, Stephen J., 4,800,159, Cl. 435-172.300.
- Erlichman, Max, to TTK Kenmark Corporation. Shrinkable elastomeric sleeve. 4,865,890, 9-12-89, Cl. 428-35.100.
- Erling, Frederiksen, to Aktieselskabet Bruel & Kjar. Pressure gradient microphone. 4,887,300, 12-12-89, Cl. 381-168.000.
- Ermacora, Rino; and Neuerburg, Horst, to Kuhn, S.A. Rotary mower in which the rotary cutting elements are driven by transmission means located under the rotary cutting elements. 4,811,553, 3-14-89, Cl. 56-13.600.
- Ermacora, Rino; and Neuerburg, Horst, to Kuhn s.a. Mower. 4,833,86 5-30-89, Cl. 56-13.600.
- Ermacora, Rino; and Helfer, Roland, to Kuhn, s.a. Mower. 4,848,0 7-18-89, Cl. 56-15.800.
- Erman, Marko, to U.S. Philips Corp. Optical switching element between two optical guides and optical switching matrix constituted by these switching elements. 4,832,432, 5-23-89, Cl. 350-96.140.
- Erman, Marko: *See—*
  - Le Bris, Jean; and Erman, Marko, 4,834,539, Cl. 356-369.000.
- Ermanco Incorporated: *See—*
  - Harms, Jeffrey, 4,887,707, Cl. 198-781.000.
  - Van Der Schie, Donn R., 4,819,788, Cl. 198-781.000.
- Ermann, Peter H., to E. R. Squibb & Sons, Inc. 2-Oxo-1-[[(substituted sulfonyl)amino]-carbonyl]azetidines. 4,871,841, 10-3-89, Cl. 540-363.000.
- Ermann, Peter H.: *See—*
  - Breuer, Hermann; Drossard, Jakob-Matthias; Ermann, Peter H.; Straub, Henner; and Treuner, Uwe D., 4,801,705, Cl. 540-357.000.
- Ermartic International AB: *See—*
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- Ermel, Bernard A.: *See—*
  - Lanigan, John J., Jr.; Glickman, Myron; and Ermel, Bernard A., 4,877,365, Cl. 414-459.000.
- Ermer, James H.; and Love, Robert B., to Atlantic Richfield Company. Method for forming Cu In Se_2 films. 4,798,660, 1-17-89, Cl. 204-192.170.
- Ermert, Helmut; Ulherr, Thomas; and Bar, Albrecht, to Siemens Aktiengesellschaft. Rotating data transmission device. 4,796,183, 1-3-89, Cl. 364-413.150.
- Ermert, Wolfgang; Schieder, Hans-Egon; and Funk, Hans-Werner, to Wolff Walsrode Aktiengesellschaft. Process for the preparation of polyurethane films for blood or infusion bags. 4,810,451, 3-7-89, Cl. 264-209.100.
- Ermeto-Hydexco: *See—*
  - Foucault, Joel; and Bonnargent, Alain, 4,805,945, Cl. 285-341.000.
- Ermilov, Nikolai P.: *See—*
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobko, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,796,956, Cl. 299-69.000.
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladeen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,819,542, Cl. 91-172.000.
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,884,642, Cl. 173-139.000.
- Ermoza, Ehud: *See—*
  - Shingal, Ben Z.; and Ermoza, Ehud, 4,844,189, Cl. 177-211.000.
- Ernat, John; and Laphan, Dennis C., to Batesville Casket Company, Inc. Casket bed. 4,881,306, 11-21-89, Cl. 27-12.000.
- Erne, Hans: *See—*
  - Drexel, Peter; Erne, Hans; Gosdowski, Gerhard; Gross, Karl; Kirsten, Ulrich; and Leisner, Ernst, 4,880,265, Cl. 294-86.400.
- Erner, William E., to Biomed-Technology, Inc. Fluorinated triethylenediamine as an oxygen transport agent. 4,814,446, 3-21-89, Cl. 544-351.000.
- Ernest, Ethan. Process for manufacturing corrugated plywood composites. 4,816,103, 3-28-89, Cl. 156-205.000.
- Ernest, James E.: *See—*
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- Ernest Kleinebenne: *See—*
  - Kleinebenne, Dieter, 4,846,489, Cl. 280-261.000.
- Ernest, Paul W.; and Green, Allan C., to Polaroid Corporation. Exposure control system for dual mode electronic imaging camera. 4,827,348, 5-2-89, Cl. 358-228.000.
- Ernest, Paul W., to Polaroid Corporation. Camera with two-bladed shutter mechanism with multiple filter apertures disposed for relative movement to provide sequential color separation exposures. 4,879,592, 11-7-89, Cl. 358-42.000.
- ERNI Elektroapparate GmbH: *See—*
  - Czeschka, Franz; and Schafer, Richard, 4,825,541, Cl. 29-885.000.
- Erni, Peter: *See—*
  - Eliasson, Baldur; Erni, Peter; Hirth, Michael; and Kogelschatz, Ulrich, 4,837,484, Cl. 313-634.000.
- Ernsberger, Glenn W.: *See—*
  - Simon, William E.; Powers, Thomas L.; and Ernsberger, Glenn W., 4,871,914, Cl. 250-370.020.
- Ernst, Alfons; and Spies, Alfons, to Dr. Johannes Heidenhain GmbH. Device for measuring feed movement. 4,819,546, 4-11-89, Cl. 92-5.00R.
- Ernst, Alfred: *See—*
  - Sacco, Bruno; Gallitzendorfer, Josef; Klein, Michael V.; Janz, Gerhard; and Ernst, Alfred, 4,805,962, Cl. 297-454.000.
- Ernst Debrunner AG: *See—*
  - Debrunner, Ernst, 4,829,609, Cl. 4-603.000.
- Ernst, Donald M., to Thermacore, Inc. Alkali metal thermoelectric genreator. 4,857,421, 8-15-89, Cl. 429-104.000.
- Ernst, Donald M.: *See—*
  - Gernert, Nelson J.; Ernst, Donald M.; and Shaubach, Robert M., 4,807,697, Cl. 165-104.260.
  - Holtzapple, Mark T.; and Ernst, Donald M., 4,825,661, Cl. 62-225.000.
- Ernst, G. D.; and Schuweiler, Alan R., to Tennant Company. Aqueous urethane coatings. 4,861,825, 8-29-89, Cl. 524-839.000.
- Ernst, Gottfried; and Oess, Friedrich, to Esselte Meto International GmbH. Type carrier set for a stamp printing mechanism and method for assembling a stamp printing mechanism using such a type. 4,843,960, 7-4-89, Cl. 101-111.000.
- Ernst Grob AG: *See—*
  - De Marco, Franco, 4,872,250, Cl. 29-159.200.
  - Krapfenbauer, Hans, 4,796,345, Cl. 29-159.200.
- Ernst, Hans-Hellmut, to Britax-Kolb GmbH & Co. Deflection clamping device. 4,854,644, 8-8-89, Cl. 297-476.000.
- Ernst, Hans-Otto; and Cramer, Herbert, to Hella KG Hueck & Co. Headlight for vehicles. 4,811,178, 3-7-89, Cl. 362-226.000.
- Ernst, Hansgeorg; Leininger, Hartmut; and Paust, Joachim, to BASF Aktiengesellschaft. Preparation of ribitylxylidine. 4,806,686, 2-21-89, Cl. 564-398.000.
- Ernst, Horst M.; and Colanzi, Franco, to SKF GmbH. Rolling bearing seal. 4,810,107, 3-7-89, Cl. 384-482.000.
- Ernst, Horst M.: *See—*
  - Brandenstein, Manfred; Ernst, Horst M.; Haas, Roland; Neder, Gunter; and Stork, Josef, 4,818,124, Cl. 384-208.000.
- Ernst, James; Williamson, Steven; Rogers, George; and Musto, Dominick, to Symtron Systems, Inc. Fire fighting trainer. 4,861,270, 8-29-89, Cl. 434-226.000.
- Ernst, James D.: *See—*
  - Loding, David C.; and Ernst, James D., 4,858,424, Cl. 59-78.100.
- Ernst, John P.: *See—*
  - Davidson, Wayne A.; Ernst, John P.; Herkes, Marybeth; Kuppuswami, Ram; Satalich, Timothy A.; and Stanaway, John J., Jr., 4,873,717, Cl. 379-157.000.
- Ernst Leitz Wetzlar GmbH: *See—*
  - Anders, Michael; and Heiden, Christoph, 4,859,896, Cl. 310-328.000.
  - Broemer, Heinz; Huber, Werner; and Meinert, Norbert, 4,857,487, Cl. 501-44.000.
  - Franek, Henning; Broemer, Heinz; and Deutscher, Klaus, 4,830,655, Cl. 65-286.000.
  - Franek, Henning; Deutscher, Klaus-Konrad, deceased; Broemer, Heinz; Strunz, Volker; and Rosenkranz, Wolfgang, 4,881,897, Cl. 433-169.000.
  - Kaczynski, Ulrich; Schmidt, Peter; and Paul, Hans-Helmut, 4,871,290, Cl. 414-331.000.
  - Kriegesmann, Jochen; Franek, Henning; and Bluethgen, Waldemar, 4,889,548, Cl. 65-305.000.
  - Leiter, Herbert, 4,814,814, Cl. 354-432.000.
  - Leiter, Herbert; Koch, Herbert; Hund, Andreas; and Reinheimer, Guenter, 4,837,595, Cl. 354-412.000.
  - Meinert, Norbert; Huber, Werner; Dreuth, Rainer; and Franek, Henning, 4,859,635, Cl. 501-44.000.
  - Neumann, Burkhard; and Stankewitz, Hans-Werner, 4,798,948, Cl. 250-201.000.
  - Schaefer, Klaus-Dieter, 4,816,664, Cl. 250-201.000.
  - Schuster, Erich; and Kartzow, Manfred, 4,796,999, Cl. 356-394.000.
  - Sommer, Karl; Fath, Rolf; Peschke, Walter; and Bohnaus, Ulrich, 4,868,128, Cl. 436-174.000.
  - Stankewitz, H. W., 4,881,802, Cl. 350-525.000.
- Ernst Muhlbauer KG: *See—*
  - Engelbrecht, Jurgen; von Wallis, Helmut; and Gunther, Michael, 4,806,381, Cl. 427-2.000.
  - Engelbrecht, Jurgen, 4,872,936, Cl. 156-307.300.
- Ernst Peiniger GmbH Unternehmen fur Bautenschutz: *See—*
  - Glaeser, Karl C.; and Buhr, Gerhard, 4,802,312, Cl. 51-321.000.
  - Glaeser, Karl C.; Lohmuller, Detlef; Tilmans, Heinz; Genuit, Klaus; Cardinal, Joachim; and Buhr, Gerhard, 4,814,632, Cl. 307-116.000.
- Ernst, Rainer: *See—*
  - van der Smissen, Carl E.; Ernst, Rainer; and Eckstein, Wolfgang, 4,822,572, Cl. 422-126.000.
- Ernst, Randi: *See—*
  - Brumm, Curtis; Ernst, Randi; and Rogalla, Lyle H., 4,820,365, Cl. 156-109.000.
- Ernst, Reinhard: *See—*
  - Hoppe, Hans; Breucker, Theodor; Ernst, Reinhard; and Storf, Robert, 4,859,067, Cl. 366-341.000.
- Ernst, Renate: *See—*
  - Brenk, Michael; and Ernst, Renate, 4,853,093, Cl. 204-37.600.
- Ernst, Richard E., to Du Pont de Nemours, E. I., and Company. Synthesis of mixtures of butanediols. 4,859,801, 8-22-89, Cl. 568-617.000.
- Ernst, Richard E., to Du Pont de Nemours, E. I., and Company. Preparation of mixtures of butanediols. 4,879,420, 11-7-89, Cl. 568-617.000.
- Ernst, Richard J., to Illinois Tool Works Inc. Adjustable dispensing tool. 4,840,294, 6-20-89, Cl. 222-287.000.
- Ernst, Richard J.: *See—*
  - Blucher, William J.; Ernst, Richard J.; and Peterson, Francis C., 4,856,951, Cl. 411-178.000.
- Ernst, Robert E. Turret punch press tool assembly. 4,862,782, 9-5-89, Cl. 83-552.000.
- Ernst Schmutz GmbH: *See—*
  - Mierswa, Christian; and Schmutz, Friedrich, 4,800,063, Cl. 376-316.000.
- Ernst, Thomas W.: *See—*
  - Kalvaitis, Arvydas J.; and Ernst, Thomas W., 4,862,324, Cl. 361-390.000.
- Ernst, Uwe: *See—*
  - Smigerski, Hans-Juergen; and Ernst, Uwe, 4,883,829, Cl. 523-334.000.
- Ernst Winter & Sohn (GmbH & Co.): *See—*
  - Balck, Juergen, 4,850,331, Cl. 125-15.000.
  - Borse, Dietrich, 4,805,586, Cl. 125-11.00R.
  - Borse, Dietrich, 4,860,469, Cl. 40-409.000.
  - Meyer, Hans-Robert; and Wiemann, Hans-Joachim, 4,842,937, Cl. 428-408.000.
  - Tonshoff, Hans K.; Grabher, Thomas; Gosebruch, Harald; and Jendryschik, Jurgen, 4,799,472, Cl. 125-11.00R.
- Ernst, Wolfram: *See—*
  - Schmidt, Lothar; Schaich, Gerhard; and Ernst, Wolfram, 4,821,256, Cl. 370-13.000.
- Ernsting, Nikolaus, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Method and apparatus for operating a dye laser with a proton transfer reaction. 4,807,237, 2-21-89, Cl. 372-53.000.
- Ernsting, Peter B., to Lever Brothers Company. Process for preparing an edible dispersion. 4,883,681, 11-28-89, Cl. 426-573.000.

- Ernsting, Peter B.: *See—*
  - Castenmiller, Wilhelmus A. M.; Chesters, Allan K.; and Ernsting, Peter B., 4,874,626, Cl. 426-564.000.
- Ernstsen, Leif. Bow string peep sight. 4,860,458, 8-29-89, Cl. 33-265.000.
- Ernstsson, Marie: *See—*
  - Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, 4,795,578, Cl. 252-61.000.
  - Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, 4,830,739, Cl. 209-166.000.
- Erntell, Mats: *See—*
  - Bjorck, Lars; Erntell, Mats; and Myhre, Erling, 4,876,194, Cl. 435-68.000.
- Erohlich, Klaus: *See—*
  - Fricker, Siegfried; and Erohlich, Klaus, 4,878,640, Cl. 248-297.200.
- Erosion Protection Devices, Incorporated: *See—*
  - Greene, Richard M., 4,877,349, Cl. 405-27.000.
- Eroskey, Richard E.; and Worcester, Winthrop S., to B. F. Goodrich Company, The. Apparatus for making a cord reinforced polyurethane conveyor belt. 4,820,143, 4-11-89, Cl. 425-122.000.
- Erowa AG: *See—*
  - Obrist, Basil, 4,815,780, Cl. 294-86.400.
  - Scheider, Rudolf, 4,853,512, Cl. 219-69.150.
  - Schneider, Rudolf, 4,845,835, Cl. 29-568.000.
- Erpelding, Michel; and Vandome, Jacques, to Societe Chimique des Charbonnages. Thermoplastic compositions based on grafted rubber and polyester, a process for their manufacture, and articles obtained therefrom. 4,861,817, 8-29-89, Cl. 524-411.000.
- Errede, Louis A., and Hunt, George R., to Minnesota Mining and Manufacturing Company. Immobilization of biological cells in polytetrafluoroethylene matrix. 4,871,671, 10-3-89, Cl. 435-182.000.
- Errede, Louis A.: *See—*
  - Hagen, Donald F.; St. Mary, Steven J.; Errede, Louis A.; and Carr, Peter W., 4,810,381, Cl. 210-502.100.
- Erregierre Industria Chimica S.p.A.: *See—*
  - Molinari, Egidio, 4,845,114, Cl. 514-365.000.
- Erren, Karl-Heinz: *See—*
  - Beitz, Jurgen; Erren, Karl-Heinz; and Mantz, Ekkehard, 4,852,824, Cl. 242-131.100.
- Errington, Martin T.: *See—*
  - Pooley, Frederick D.; and Errington, Martin T., 4,822,413, Cl. 75-118.00R.
- Ersfeld, Dean A.; and Hansen, Paul E., to Minnesota Mining and Manufacturing Company. Nonwoven orthopedic casting materials with apertures. 4,841,958, 6-27-89, Cl. 128-90.000.
- Ersfeld, Dean A.; Hansen, Paul E.; Scholz, Matthew T.; Bartizal, Dennis C.; Reed, Katherine E.; Larson, Wayne K.; Sandvig, Timothy C.; and Buckanin, Richard S., to Minnesota Mining and Manufacturing Company. Curable resin coated sheets having reduced tack. 4,856,502, 8-15-89, Cl. 128-90.000.
- Ershig, A. Herbert, to Ershig's, Inc. Dual wall vessel for primary and secondary liquid containment. 4,871,081, 10-3-89, Cl. 220-5.00A.
- Ershig's, Inc.: *See—*
  - Ershig, A. Herbert, 4,871,081, Cl. 220-5.00A.
- Ersing, Dietrich: *See—*
  - Gerlach, Karl-Heinz; Woerner, Lothar; and Ersing, Dietrich, 4,868,440, Cl. 310-236.000.
- Erskine, James C., and Valeri, Stephen J., to General Motors Corporation. Internal combustion engine ignition system. 4,881,512, 11-21-89, Cl. 123-628.000.
- Erskine, James C.: *See—*
  - Troxell, John R.; Harrington, Marie I.; and Erskine, James C., 4,851,363, Cl. 437-40.000.
- Ersoy, Metin, to W. C. Heraeus GmbH. Modular punch apparatus for punching complex shapes from a metal ribbon or tape. 4,836,071, 6-6-89, Cl. 83-140.000.
- Ersson, Nils-Olof. Method and device for separating serum/plasma from blood. 4,853,137, 8-1-89, Cl. 210-782.000.
- Erstad, Troels: *See—*
  - Kalvenes, Bjorn K.; Guthormsen, Oyvind; and Erstad, Troels, 4,842,075, Cl. 166-341.000.
- Ertingshausen, Friedrich; and Mehrens, Jens D., to International Business Machines Corporation. Method for monitoring the performance of the head-disk-interface and device for preventing data losses due to magnetic head-disk-interferences. 4,795,981, 1-3-89, Cl. 324-454.000.
- Ertl, Josef; and Korbanka, Helmut, to Hoechst Aktiengesellschaft. Oligomeric diazaoxaspirodecanes, preparation thereof and use thereof as light stabilizers for polymers. 4,797,436, 1-10-89, Cl. 524-97.000.
- Ertl, Robert A.: *See—*
  - Thomas, Jeffrey A.; Robinson, Theodore S.; Ertl, Robert A.; and Christensen, Harold F., Jr., 4,881,163, Cl. 364-200.000.
- Ervin, Paul R., to Ford Motor Company. Inertia responsive seat belt retractor with web locker. 4,865,263, 9-12-89, Cl. 242-107.200.
- Erving, Richard H., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Self calibration arrangement for a voice switched speakerphone. 4,887,288, 12-12-89, Cl. 379-6.000.
- Erwin, Bradley G.: *See—*
  - Pegg, Anthony E.; and Erwin, Bradley G., 4,826,968, Cl. 536-27.000.
- Erwin, Carl L.: *See—*
  - Kulp, Jack H.; and Erwin, Carl L., 4,859,983, Cl. 340-908.100.
- Erwin, John K.: *See—*
  - Dola, Frank P.; Feldman, Steven; and Erwin, John K., 4,874,322, Cl. 439-210.000.
- Erwin, Lewis: *See—*
  - Leonard, Elizabeth C.; and Erwin, Lewis, 4,855,018, Cl. 156-646.000.
- Erwin, Piepka; Paul, Wollhaf; and Subhash, Gandbhir, to Zahnradfabrik Friedrichshafen, AG. Workpiece machining apparatus and method. 4,798,504, 1-17-89, Cl. 409-2.000.
- Erwin Sick GmbH Optik-Electronik: *See—*
  - Fetzer, Gunter, 4,875,761, Cl. 350-171.000.
  - Ostertag, Klaus; and Pietzsch, Karl, 4,848,864, Cl. 350-6.800.
- Erwin Sick GmbH Optik Elektronik: *See—*
  - Fetzer, Gunter; and Smetana, Klaus, 4,798,965, Cl. 250-573.000.
  - Fetzer, Gunter; and Hippenmeyer, Heinrich, 4,851,913, Cl. 358-206.000.
  - Hippenmeyer, Heinrich, 4,851,698, Cl. 250-578.000.
  - Meinert, Thomas, 4,816,667, Cl. 250-221.000.
  - Pietzsch, Karl, 4,864,121, Cl. 250-221.000.
  - Sick, Erwin, 4,820,033, Cl. 350-613.000.
  - Weber, Klaus, 4,866,287, Cl. 250-571.000.
  - Weber, Klaus, 4,866,288, Cl. 250-572.000.
- Erwin, Timothy R., to Pitney Bowes Inc. Value printing die protection device in an electronic postage meter machine. 4,796,526, 1-10-89, Cl. 101-65.000.
- Erwin, Timothy R., to Pitney Bowes Inc. Value printing die protection mechanism in a postage meter machine. 4,796,527, 1-10-89, Cl. 101-70.000.
- Erwin, Timothy R., and Prior, Jeffrey J., to Pitney Bowes Inc. Postage meter security seal. 4,805,946, 2-21-89, Cl. 292-251.000.
- Eryman, William S.: *See—*
  - Edwards, Robert C.; and Eryman, William S., 4,824,819, Cl. 502-209.000.
  - Edwards, Robert C.; and Eryman, William S., 4,845,241, Cl. 549-260.000.
- ESA, Inc.: *See—*
  - Matson, Wayne R., 4,804,455, Cl. 204-411.000.
  - Matson, Wayne R., 4,863,873, Cl. 436-63.000.
- Esaki, Hiroshi: *See—*
  - Kajita, Ryota; Esaki, Hiroshi; and Shimazaki, Hirato, 4,840,380, Cl. 273-77.00A.
  - Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, 4,819,010, Cl. 346-76.0PH.
  - Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, 4,826,717, Cl. 428-143.000.
- Esaki, Yasuo: *See—*
  - Okamura, Katsutoshi; Esaki, Yasuo; Matsuzawa, Koichi; and Asano, Katsuhiko, 4,880,650, Cl. 426-330.400.
- Esashi, Kiyoyuki: *See—*
  - Masumoto, Tsuyoshi; Esashi, Kiyoyuki; and Nose, Masaten, 4,842,657, Cl. 148-403.000.
- ESB Elektrostatische Spruh- und Beschichtungsanlagen G.F. Vohringer GmbH: *See—*
  - Vohringer, Gerhard F.; and Pfeifer, Kurt, 4,798,340, Cl. 239-692.000.
- Escallon, Eduardo C., to Terronics Development Corp. Method and apparatus for depositing nonconductive material onto conductive filaments. 4,795,339, 1-3-89, Cl. 427-32.000.
- Escamilla, Elias, Jr.: *See—*
  - Escamilla, Robert M.; Escamilla, Elias, III; Escamilla, Elias, Jr.; Johnson, Gregg E.; Arnold, Robert M.; and Tatner, Thomas, 4,838,153, Cl. 99-349.000.
- Escamilla, Elias, III: *See—*
  - Escamilla, Robert M.; Escamilla, Elias, III; Escamilla, Elias, Jr.; Johnson, Gregg E.; Arnold, Robert M.; and Tatner, Thomas, 4,838,153, Cl. 99-349.000.
- Escamilla, Robert M.; Escamilla, Elias, III; Escamilla, Elias, Jr.; Johnson, Gregg E.; Arnold, Robert M.; and Tatner, Thomas, to Baker Equipment and Service Co., Inc. Method and apparatus for forming and baking flat, thin discs of dough. 4,838,153, 6-13-89, Cl. 99-349.000.
- Escanecrabe, Bernard: *See—*
  - Dieras, Francis; Soulie, Alain; Larrieu, Jean-Louis; and Escanecrabe, Bernard, 4,804,364, Cl. 604-22.000.
- Escaravage, Gerard, to ECIA—Equipements et Composants Pour L'Industrie Automobile. Device for adjusting the position of a strap return element of in particular a safety belt for a motor vehicle. 4,801,156, 1-31-89, Cl. 280-808.000.
- Escaravage, Gerard, to ECIA - Equipements et Composants pour l'Industrie Automobile. Window-raiser device for a motor vehicle. 4,825,594, 5-2-89, Cl. 49-351.000.
- Escaravage, Gerard, to Ecia - Equipements et Composants pour L'Industrie Automobile. Device for adjusting the position of a strap return element, in particular of a safety belt for an automobile vehicle. 4,840,403, 6-20-89, Cl. 280-808.000.
- Escaravage, Gerard, to ECIA-Equipements ET Composants Pour L'Industrie Automobile. Device for adjusting the position of a strap return element of a vehicle safety belt. 4,848,796, 7-18-89, Cl. 280-808.000.
- Escaravage, Gerard, to Aciers et Outillage Peugeot. Latch, in particular for a motor vehicle. 4,848,809, 7-18-89, Cl. 292-11.000.
- Escaravage, Gerard, to ECIA - Equipements et Composants Pour L'Industrie Automobile. Device for adjusting the position of a strap return element of in particular an automobile vehicle safety belt. 4,858,954, 8-22-89, Cl. 280-808.000.
- Escaravage, Gerard, to ECIA - Equipements Et Composants Pour L'Industrie Automobile. Device for maintaining a strap of a safety belt in an adjustable position. 4,867,477, 9-19-89, Cl. 280-808.000.
- Escaravage, Gerard; and Henriot, Michel, to ECIA-Equipements Et Composants Pour L'Industrie Automobile. Retention mechanism for a safety-belt band of manually adjustable position. 4,871,192, 10-3-89, Cl. 280-808.000.

- Escaravage, Gerard, to ECIA - Equipements Et Composants Pour L'Industrie Automobile. Device for adjusting the position of an armrest of an automobile vehicle seat. 4,877,287, 10-31-89, Cl. 297-417.000.
- Escaravage, Girard, to EICA-Equipements et Composants pour l'Industrie Automobile. Mechanism for maintaining a strap of a safety belt in an adjustable position. 4,840,405, 6-20-89, Cl. 280-808.000.
- Escaro Limited: *See—*
  - Somerton-Rayner, Michael, 4,821,825, Cl. 180-22.000.
- Esch, Hans-Joachim: *See—*
  - Schneider, Klaus; Esch, Hans-Joachim; and Tran, Van-Khanh, 4,867,111, Cl. 123-90.110.
- Esch, Hans W., to AVK Filtertechnik GmbH. Filter arrangement with pleat distance piece. 4,874,517, 10-17-89, Cl. 210-493.500.
- Eschard, Gilbert, to U.S. Philips Corporation. Multiplier element of the aperture plate type, and method of manufacture. 4,806,827, 2-21-89, Cl. 313-533.000.
- Eschard, Gilbert, to U.S. Philips Corp. Photomultiplier tube having a slidable multiplier element. 4,871,943, 10-3-89, Cl. 313-526.000.
- Eschbach, Mathias; and Schliehe, Wolf-Dieter, to W. Dollken & Co. GmbH. Apparatus for making a thermoplastic product from a base plastic material and at least one marbling additive material. 4,834,639, 5-30-89, Cl. 425-131.100.
- Eschbach, Walter: *See—*
  - Mazzola, Guerino B.; and Eschbach, Walter, 4,833,962, Cl. 84-1.010.
- Eschelbach, Harald; and Klemmer, Wolfram, to Robert Bosch GmbH. Method of and apparatus for performing low-voltage correction of high-voltage deflection signals for electrostatic-deflection camera tubes in a color video camera. 4,879,593, 11-7-89, Cl. 358-51.000.
- Eschem, S.A.: *See—*
  - Thibaut, Jean-Pierre; Tezenas, Philippe; and Vitian, Iancu, 4,814,413, Cl. 528-80.000.
- Eschenbach, Ralph F.: *See—*
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- Eschenbacher, Heinz: *See—*
  - Hasler, Dietrich; Eschenbacher, Heinz; and Haerer, Wolfgang, 4,817,614, Cl. 128-660.050.
- Eschenfelder, Peter: *See—*
  - Hahn, Michael; Wackerle, Peter; Eschenfelder, Peter; and Schulz, Ralf-Thilo, 4,805,291, Cl. 29-434.000.
- Escher, Simon: *See—*
  - Hofmann, Eberhard; and Escher, Simon, 4,848,080, Cl. 57-416.000.
- Eschench, Karl-Heinz: *See—*
  - Wolters, Johannes-Peter; and Escherich, Karl-Heinz, 4,836,443, Cl. 236-92.00C.
- Eschmann, Friedrich; and Streuber, Christian, to Didier-Werke AG. Hot blast stove installation. 4,877,013, 10-31-89, Cl. 126-110.000.
- Eschmann, Heinz: *See—*
  - Tetenborg, Konrad; Eschmann, Heinz; and Huwelmann, Helmut, 4,873,815, Cl. 53-570.000.
- Eschrich, Hubert R.: *See—*
  - Hoglund, Lars O.; and Eschrich, Hubert R., 4,847,006, Cl. 252-628.000.
- Eschweiler Bergwerks-Verein AG: *See—*
  - Thelen, Hubert; and Wesp, Menrad, 4,830,233, Cl. 222-450.000.
- Eschwey, Manfred; and Schleser, Werner, to Messer Griesheim GmbH. Mass for removal, through chemical sorption, of homogeneously dissolved impurities, particularly oxygen, from gases or liquids. 4,800,189, 1-24-89, Cl. 502-400.000.
- Eschwey, Manfred; van Bonn, Rolf; and Neumann, Horst, to Messer Griesheim GmbH. Process for the production of fluorinated surfaces of polymers. 4,869,859, 9-26-89, Cl. 264-83.000.
- ESCO Corporation: *See—*
  - Emrich, Robert K., 4,811,505, Cl. 37-142.00R.
  - Powell, Harold W., 4,810,020, Cl. 294-119.400.
- Esco Elevators, Inc.: *See—*
  - Gorman, Gerald W.; and Johnston, Everett E., 4,807,890, Cl. 277-12.000.
- Esco Precision, Inc.: *See—*
  - Esses, Theodor; and Doherty, Thomas E., 4,887,612, Cl. 128-751.000.
- Escobar, Jaime A.: *See—*
  - Holmes, Richard W.; and Escobar, Jaime A., 4,817,644, Cl. 134-6.000.
- Escofier Technologie SA: *See—*
  - Marcon, Charles; and Poullain, Jean 4,799,372, Cl. 72-102.000.
- Escofier Technologie, S.A.: *See—*
  - Marcon, Charles; and Poullain, Jean, 4,838,066, Cl. 72-95.000.
- Escola Gallart, Ramon; and Bayes Turall, Ramon. Process of gasification for obtention of gasified candies. 4,837,039, 6-6-89, Cl. 426-572.000.
- Escolar, Carlos, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Automatic rerouting of calls through data buses. 4,875,037, 10-17-89, Cl. 340-825.010.
- Escorp, Inc.: *See—*
  - Harbers, H. C., 4,808,805, Cl. 235-490.000.
  - Harbers, H. C., Jr., 4,812,630, Cl. 235-448.000.
  - Harbers, H. C., Jr., 4,889,981, Cl. 235-490.000.
- Escott, Suzanne. Airline ownership and travel game. 4,887,818, 12-19-89, Cl. 273-254.000.
- Escribano-Crespo, Maria J.; and Burtin, Pierre, to Centre National de la Recherche Scientifique. Immunoassay for detecting acino-foetal differention protein associated with cancer of the pancreas. 4,843,019, 6-27-89, Cl. 436-501.000.
- Escue, Ronald F.: *See—*
  - Borick, Avron W.; and Escue, Ronald F., 4,815,610, Cl. 211-59.100.
- Esders, Theodore W.: *See—*
  - Belly, Robert T.; Mura, Albert J.; Esders, Theodore W.; and Burdick, Brent A., 4,857,271, Cl. 422-55.000.
- Esener, Sadik: *See—*
  - Johnston, Alan R.; Nixon, Robert H.; Bergman, Larry A.; and Esener, Sadik, 4,884,243, Cl. 365-234.000.
- Esformes, Jack L., to Carrier Corporation. Ramp wing enhanced plate fin. 4,817,709, 4-4-89, Cl. 165-151.000.
- Esge-Marby GmbH & Co., KG: *See—*
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- Esguerra, Hermando: *See—*
  - Morankar, Sudhakar D.; Esguerra, Hermando; Kerevel, Patrice; and Hilgart, Michael J., 4,838,639, Cl. 350-96.200.
- Eshel, Marc M., to International Business Machines Corporation. System for editing real and virtual storage and secondary storage media. 4,831,541, 5-16-89, Cl. 364-200.000.
- Eshel, Uzi; and Lev, Avigdor, to Biodan Medical Systems Ltd. Catheter and probe. 4,813,429, 3-21-89, Cl. 128-736.000.
- Eshel, Uzi; and Lev, Avigdor, to Biodan Medical Systems Ltd. Applicator for insertion into a body opening for medical purposes. 4,823,812, 4-25-89, Cl. 128-804.000.
- Eshima, Kiyoshi; Ogawa, Kazuo; and Kaneko, Shigeru, to Taiho Pharmaceutical Co., Ltd. W-amino alkylsulfonate derivatives for improving microcirculation. 4,870,078, 9-26-89, Cl. 514-255.000.
- Eshima, Masahazu: *See—*
  - Hara, Hideo; Maehara, Tadashi; Eshima, Masahazu; Morita, Hirofumi; and Kojima, Hiroshi, 4,815,514, Cl. 152-531.000.
- Eshima, Mitsuaki: *See—*
  - Kamiyama, Takashi; Segawa, Osamu; and Eshima, Mitsuaki, 4,808,355, Cl. 264-39.000.
- Eshima, Taizo; Yasutake, Kunihiro; and Yamasaki, Katuhiko, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for forming leads of semiconductor device. 4,885,837, 12-12-89, Cl. 29-564.000.
- Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Itoh, Kikuo, to Fujitsu Limited. Method of growing a single crystalline β-SiC layer on a silicon substrate. 4,855,254, 8-8-89, Cl. 437-100.000.
- Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Watanabe, Takuya, to Fujitsu Limited. Method of forming a heteroepitaxial semiconductor thin film using amorphous buffer layers. 4,876,219, 10-24-89, Cl. 437-126.000.
- Eshleman, James M.; and Ko, Kenneth K., to Armstrong World Industries, Inc. Antistatic floor polish. 4,872,910, 10-10-89, Cl. 106-3.000.
- Eska Company, The: *See—*
  - Edwards, James R., 4,838,818, Cl. 440-6.000.
- Eskandry, Ezra D.; and Weinberg, Eli. Automobile window shade convertible to horizontal expansion or vertical expansion. 4,838,335, 6-13-89, Cl. 160-84.100.
- Eskelinen, Juhani, to Valmet Paper Machinery Inc. Short-dwell coater for coating a web with coating mix. 4,873,939, 10-17-89, Cl. 118-410.000.
- Eskelinen, Pekka; Vuorinen, Vesa; and Rantanen, Seppo, to Valmet Paper Machinery Inc. Device for generating negative pressure inside a mantle of a revolving roll. 4,882,011, 11-21-89, Cl. 162-368.000.
- Eskelinen, Pekka J.: *See—*
  - Mattila, Harri O.; and Eskelinen, Pekka J., 4,883,539, Cl. 106-417.000.
- Eskilsson, Erik B.: *See—*
  - Weidmo, Thomas; Edlund, Lars G. E.; Gullstrand, Knut S. R.; Malmgren, Carl H. J.; and Eskilsson, Erik B., 4,817,339, Cl. 51-165.710.
- Eskilsson, Eva C.: *See—*
  - Appelgren, Curt H.; Eskilsson, Eva C.; and Uvdal, Jonas P., 4,840,799, Cl. 424-493.000.
  - Appelgren, Curt H.; and Eskilsson, Eva C., 4,888,179, Cl. 424-480.000.
- Eskin, Bernard A.: *See—*
  - Ghent, William R.; and Eskin, Bernard A., 4,816,255, Cl. 424-150.000.
- Eskin, Joshua D.: *See—*
  - McKechnie, Thomas S.; Goldenberg, Jill F.; Eskin, Joshua D.; Shimizu, Jeffrey A.; Bradley, Ralph H., Jr.; and Guerinot, William F., 4,864,390, Cl. 358-60.000.
- Eskofot: *See—*
  - Hougaard, Finn, 4,887,126, Cl. 355-75.000.
- Eskofot A/S: *See—*
  - Hougaard, Finn, 4,868,604, Cl. 355-71.000.
  - Sorensen, Kai, 4,853,749, Cl. 355-71.000.
- Eslick, Robert F.: *See—*
  - Goering, Kenneth J.; and Eslick, Robert F., 4,804,545, Cl. 426-28.000.
- Esmark Apparel, Inc.: *See—*
  - Browder, George A. G., Jr.; and Grant, David W., 4,875,241, Cl. 2-409.000.
- Esmersoy, Cengiz, to Schlumberger Technology Corporation. Method for evaluating parameters related to the elastic properties of subsurface earth formations. 4,809,239, 2-28-89, Cl. 367-57.000.
- Esparza, Joe O.: *See—*
  - Langner, Carl G.; and Esparza, Joe O., 4,843,713, Cl. 29-799.000.
- Espe, Matthew P.: *See—*
  - Stevenson, Gerald R.; Espe, Matthew P.; and Reiter, Richard C., 4,849,075, Cl. 204-157.200.

- Espe, Roy H.; and Ecklund, Lawrence M., to Motorola, Inc. Phase locked loop having a fast lock current reduction and clamping circuit. 4,890,072, 12-26-89, Cl. 331-11.000.
- Espe, Roy H.: *See—*
  - Ecklund, Lawrence M.; and Espe, Roy H., 4,845,750, Cl. 381-15.000.
- ESPE Stiftung & Co. Produktions-und Vertriebs KG: *See—*
  - Gasser, Oswald; and Ellrich, Klaus, 4,882,365, Cl. 523-117.000.
  - Herold, Wolf-Dietrich; Grafwallner, Karl L.; and Keller, Michael, 4,839,566, Cl. 31-308.000.
  - Jochum, Peter; Zahler, Wolf-Dietrich; Gasser, Oswald; Lechner, Gunther; and Ellrich, Klaus, 4,867,790, Cl. 106-35.000.
  - Schmitt, Werner; Jochum, Peter; Zahler, Wolf-Dietrich; Hubner, Heijo; Holupirek, Manfred; Gasser, Oswald; and Herzig, Christian, 4,795,823, Cl. 560-182.000.
- Especialidades Latinas Medicamentos Universales, S.A. (Elmu, S.A.): *See—*
  - Montoro, Fernando; Calatayud, Jose; and Luna, Manuel, 4,812,482, Cl. 514-649.000.
- Espejo, Celso: *See—*
  - Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,799,583, Cl. 198-418.100.
  - Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,807,741, Cl. 198-477.100.
  - Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,821,870, Cl. 198-812.000.
  - Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,843,799, Cl. 53-448.000.
- Espelage, Paul M.: *See—*
  - Delmerico, Robert W.; and Espelage, Paul M., 4,823,068, Cl. 318-807.000.
- Espenan, Jean-Michel: *See—*
  - Aptel, Philippe; and Espenan, Jean-Michel, 4,882,223, Cl. 428-398.000.
- Espendiller, Bernhard: *See—*
  - Bebber, Hans J.; Rossner, Heinrich-Otto; and Espendiller, Bernhard, 4,818,836, Cl. 219-121.540.
- Esperanza y Cia, S.A.: *See—*
  - Garcia-Garcia, Jose, 4,833,993, Cl. 102-340.000.
  - Garcia, Jose G., 4,813,638, Cl. 248-171.000.
  - Garcia, Jose G., 4,815,390, Cl. 102-489.000.
  - Garcia, Jose G., 4,869,153, Cl. 89-37.050.
  - Ibarra, Inigo A., 4,864,912, Cl. 89-27.110.
- Espevik, Craig S.; and Wolf, Christopher R., to Cooper Industries, Inc. Swivel fitting for electrical conduit and the like. 4,831,213, 5-16-89, Cl. 174-65.00R.
- Espevik, Craig S.; Openchowski, Richard A.; Caputo, James H.; and Guzay, Casimir M., to Panduit Corp. Buckle fastener and method of application. 4,866,817, 9-19-89, Cl. 24-23.00W.
- Espinor, George L.: *See—*
  - Heene, Mark R.; Menkedick, Michael H.; Sibigtroth, James M.; and Espinor, George L., 4,802,119, Cl. 364-900.000.
- Espinosa-C., Jose G.; and Fernandez-Garza, Mauricio. Coated zinc, chemistry and manufacturing process. 4,820,552, 4-11-89, Cl. 427-216.000.
- Espinoza, Cesar, to Hollingsead International, Inc. Cable clamp. 4,813,105, 3-21-89, Cl. 24-16.0RB.
- Espiritu-Santo, Eugenio, to General Electric Company. Microcomputerized force transducer. 4,872,349, 10-10-89, Cl. 73-727.000.
- Esplin, Roy W., to Motorola, Inc. Optical system for conical beam target detection. 4,809,611, 3-7-89, Cl. 102-213.000.
- Esposito, Anthony. Digitally controlled switch-mode power supply apparatus employing quantized stored digital control signals. 4,800,477, 1-24-89, Cl. 363-17.000.
- Esposito, Anthony S., to West Company, The. High strength elastomers for pharmaceutical products. 4,814,375, 3-21-89, Cl. 524-505.000.
- Esposito, Antonio: *See—*
  - Bellussi, Giuseppe; Buonomo, Franco; Esposito, Antonio; Clerici, Mario; Romano, Ugo; and Notari, Bruno, 4,859,785, Cl. 549-531.000.
  - Neri, Carlo; Anfossi, Bartolomeo; Esposito, Antonio; and Buonomo, Franco, 4,833,260, Cl. 549-531.000.
- Esposito, Christopher, to Four Seasons Solar Products Corporation. Structural element especially suitable for solar greenhouses and the like and particularly utilizable for controlled shading. 4,864,783, 9-12-89, Cl. 52-86.000.
- Esposito, Daniel, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. I/O interface system using plural buffers sized smaller than non-overlapping contiguous computer memory portions dedicated to each buffer. 4,821,185, 4-11-89, Cl. 364-200.000.
- Esposito, Dominick G.: *See—*
  - D'Amelio, Frank D.; DeLemos, Dawn M.; Esposito, Dominick G.; Maxfield, Michelle D.; Petruzzi, Claude E.; and Quint, Robert H., 4,823,791, Cl. 123-303.140.
  - Morris, David L.; Filip, Mihail; D'Amelio, Frank D.; Esposito, Dominick G.; and Quint, Robert H., 4,874,364, Cl. 604-35.000.
- Esposito, Franco: *See—*
  - Lapini, Corrado; and Esposito, Franco, 4,872,305, Cl. 59-18.000.
- Esposito, James E., to Asplundh Tree Expert Co. Dilutant for non-agricultural industrial herbicides. 4,822,407, 4-18-89, Cl. 71-94.000.
- Esposito, Joseph R. Three legged workbench. 4,854,531, 8-8-89, Cl. 248-165.000.
- Esposito, Joseph R. Three legged workbench. 4,883,246, 11-28-89, Cl. 248-165.000.
- Esposito, Michael A.; and Novakovic, Mario, to Finetex, Inc. Transparent combination soap-synthetic detergent bar. 4,851,147, 7-25-89, C 252-108.000.
- Esposito, Ralph J. Crustacean meat extractor. 4,817,243, 4-4-89, C 17-48.000.
- Esposito, Robert A.: *See—*
  - Bourcier, David P.; and Esposito, Robert A., 4,808,357, C 264-151.000.
- Esquivel, Agerico L.; and Mitchell, Allan T., to Texas Instrumen Incorporated. Planar FAMOS transistor with sealed floating gate an DCS + N_2O oxide. 4,833,514, 5-23-89, Cl. 357-23.500.
- Esquivel, Agerico L.; Groover, Robert, III; and Tigelaar, Howard L to Texas Instruments Incorporated. EPROM with increased floatin gate/control gate coupling. 4,855,800, 8-8-89, Cl. 357-23.500.
- Esquivel H., J. Benjamin, to Dow Chemical Company, The. Wave length accuracy test solution and method. 4,836,673, 6-6-89, C 356-300.000.
- Esquivel H., J. Benjamin, to Dow Chemical Company, The. Method for calibrating variable wavelength liquid chromatography detecto 4,886,965, 12-12-89, Cl. 250-252.10A.
- Essaff, Robert; and Dobkin, Robert C., to Linear Technology Corporation. Charge pump circuitry having low saturation voltage and current-limited switch. 4,812,961, 3-14-89, Cl. 363-61.000.
- Essco, Incorporated: *See—*
  - Whitman, Robert W.; and Pellinen, John R., 4,852,266, C 33-366.000.
- Esse, Robert L.: *See—*
  - Maxwell, Holly A.; and Esse, Robert L., 4,851,246, Cl. 426-107.0
- Esselborn, Eberhard; and Fock, Jurgen, to Th. Goldschmidt AG Copolymers with epoxide groups, their synthesis and use for finishin textile fibers or fiber products. 4,868,262, 9-19-89, Cl. 526-273.00
- Esselborn, Eberhard; and Fock, Jurgen, to Th. Goldschmidt AG. Fibe finishing agents and compositions containing them. 4,880,9 11-14-89, Cl. 528-403.000.
- Esselborn, Reiner: *See—*
  - Ambrosius, Klaus; Knapp, August; Plamper, Helmut; and Esselborn, Reiner, 4,867,794, Cl. 106-417.000.
- Esselin, Sophie: *See—*
  - Dubois, Jean-Claude; Le Barny, Pierre; Spassky, Nicolas; Esselin, Sophie; Noel, Claudine; Lacoudre, Nicole; and Leborgne, Ala 4,824,923, Cl. 536-298.000.
- Esselte Meto: *See—*
  - Llorens, Rafael G.; and Sole, Juan V., 4,859,082, Cl. 383-8.00
- Esselte Meto International GmbH: *See—*
  - Ernst, Gottfried; and Oess, Friedrich, 4,843,960, Cl. 101-111.00
  - Kalus, Peter; and von Truchsess, Hanns-Martin, 4,801,487, C 428-206.000.
  - Volk, Heinrich; and Koch, Ulf, 4,802,409, Cl. 101-111.000.
  - Volk, Heinrich; and Mikolajczyk, Klaus, 4,809,603, C 101-111.000.
- Esselte Meto International Produktions GmbH: *See—*
  - Becker, Werner, 4,853,068, Cl. 156-384.000.
- Esselte Pendaflex Corporation: *See—*
  - Biedermann, Robert E.; and Countryman, Albert J., 4,881,439, C 83-879.000.
  - Evans, Louis B.; and Smith, Daniel D., 4,858,507, Cl. 83-455.0
  - McKie, Peter; and Elcock, Kenneth W. A., 4,855,171, C 428-40.000.
- Essenbee Inc.: *See—*
  - Bell, William E., 4,821,279, Cl. 372-61.000.
- Essenfeld, Amy P., to American Cyanamid Company. Process for th preparation of naphthacenes. 4,855,520, 8-8-89, Cl. 585-409.00
- Essential Dental Systems, Inc.: *See—*
  - Deutsch, Allan S.; and Musikant, Barry L., 4,824,371, C 433-189.000.
- Esser, Franz: *See—*
  - Bomann, Werner; Esser, Franz; Hamel, Ulrich; and Stable, Heinz 4,853,402, Cl. 514-401.000.
- Esser, Hans-Willi: *See—*
  - Raasch, Hans; Schmid, Reinhold; and Esser, Hans-Willi, 4,85 Cl. 242-18.00R.
- Esser, Hildegard; and Grzesik, Ulrich. Method of measuring spec radiation energy reflected by a reflection area. 4,883,954, 11-2 Cl. 250-227.000.
- Esser, Karl-Josef; and Berner, Eckhard, to Scharmann GmbH & C Flexible manufacturing system for machining workpieces. 4,833,7 5-30-89, Cl. 29-568.000.
- Esser, Leonard J. M.; and Pelgrom, Marcellinus J. M., to U.S. Phi Corp. Charge coupled sensor arrangement. 4,799,109, 1-17-89, C 358-213.280.
- Esser, Leonard J. M.; and Lock, Gijsbert, to U.S. Philips Corporatio Semiconductor device. 4,807,005, 2-21-89, Cl. 357-24.000.
- Esser, Leonard J. M.: *See—*
  - Bakker, Jacobus G. C.; and Esser, Leonard J. M., 4,878,102, C 357-24.000.
- Esser, Peter D.: *See—*
  - Plummer, Steven J.; Ina, Antoine; Tipping, David L.; and Esser, Peter D., 4,888,486, Cl. 250-363.040.
- Esser, Theodor; and Doherty, Thomas E., to Esco Precision, In Endoscopic biopsy forceps. 4,887,612, 12-19-89, Cl. 128-751.00
- Esser, Wolfgang; and Jung, Peter, to Nixdorf Computer AG. Volt source having preset values for source voltage and internal resista 4,878,009, 10-31-89, Cl. 323-275.000.
- Esser, Wolfgang; and Jung, Peter, to Nixdorf Computer AG. Ci arrangement for automatically monitoring several analog ele signals. 4,890,095, 12-26-89, Cl. 340-657.000.

- Essert, Robert D.: *See—*
  - Osborn, Glenn M.; and Essert, Robert D., 4,812,006, Cl. 350-96.210.
- Essex Chemical Corporation: *See—*
  - Roggenburg, Stanley L.; Laauwe, Robert H.; Polite, John L.; and Tully, Michael, 4,823,990, Cl. 222-207.000.
- Essex Composite Systems: *See—*
  - Wycech, Joseph, 4,836,516, Cl. 267-279.000.
  - Wycech, Joseph, 4,861,097, Cl. 296-188.000.
- Essex Group, Inc.: *See—*
  - Camillo, David B.; and Gentry, Melvin, 4,817,796, Cl. 206-396.000.
  - Ditton, Louis G., 4,821,880, Cl. 206-386.000.
  - Graham, Randall C.; and Smith, Jeffrey S., 4,797,662, Cl. 340-677.000.
  - Graham, Randall C.; and Smith, James D., Jr., 4,808,926, Cl. 324-226.000.
  - Graham, Randall C.; and Phillips, James L., 4,808,971, Cl. 340-521.000.
  - Graham, Randall C.; Smith, James D., Jr.; and Smith, Jeffrey S., 4,812,721, Cl. 318-66.000.
  - Harber, Joseph J., 4,808,477, Cl. 428-389.000.
  - Justus, Paul E., 4,817,841, Cl. 226-92.000.
  - Justus, Paul E.; and Zaman, Mohammad F., 4,839,205, Cl. 428-34.100.
  - Justus, Paul E., 4,844,283, Cl. 220-264.000.
  - Landry, Louis G.; and Nunez, Fabian, 4,836,872, Cl. 156-85.000.
  - Lavallee, Francois A., 4,808,476, Cl. 427-120.000.
  - Lavallee, Francois A., 4,839,464, Cl. 525-481.000.
  - Lavallee, Francois A., 4,876,316, Cl. 525-427.000.
  - Leckie, James H.; and Pops, Horace, 4,795,490, Cl. 75-76.000.
  - Phillips, James L., 4,839,818, Cl. 364-477.000.
  - Pops, Horace, 4,826,544, Cl. 148-13.200.
  - Ramsey, Rusty L.; and Zinser, Frederick M., III, 4,830,689, Cl. 156-54.000.
  - Sklarski, Dennis J.; and Doyle, Arthur F., 4,803,113, Cl. 428-182.000.
  - Vogel, Ralph A., 4,817,645, Cl. 134-15.000.
  - Wade, Ivan W., Jr.; Hessler, John D.; and Eloph, Harry E., 4,851,060, Cl. 156-53.000.
  - Zaman, Mohammad F., 4,869,199, Cl. 118-125.000.
- Essex Industries, Inc.: *See—*
  - Lyons, Jerry L.; and Tayon, Keith, 4,811,752, Cl. 137-77.000.
  - Lyons, Jerry L., 4,817,658, Cl. 137-75.000.
  - Seghetti, Leland L., 4,820,889, Cl. 200-61.850.
- Essex Manufacturing Company: *See—*
  - Chadwick, Arthur, 4,819,528, Cl. 83-13.000.
- Essex Specialty Products, Inc.: *See—*
  - Kretow, Robert P.; and Powers, John W., 4,803,105, Cl. 428-40.000.
  - Leuchten, William E.; and Kretow, Robert P., 4,803,108, Cl. 428-118.000.
  - Rizk, Sidky D.; Shah, Navinchandra B.; and Powers, John W., 4,842,938, Cl. 428-416.000.
  - Wycech, Joseph S., 4,853,270, Cl. 428-68.000.
- Essex, Stuart A.; and Essex, Wendy P. Excavator attachment. 4,881,867, 11-21-89, Cl. 414-723.000.
- Essex, Wendy P.: *See—*
  - Essex, Stuart A.; and Essex, Wendy P., 4,881,867, Cl. 414-723.000.
- Essig, Gunder; and Bordt, Manfred, to Kolbenschmidt Aktiengesellschaft. Light alloy piston. 4,809,652, 3-7-89, Cl. 123-193.00P.
- Essig, Nels J. Mooring line retrieving device. 4,809,635, 3-7-89, Cl. 114-230.000.
- Essig, Robert A.: *See—*
  - Meehan, Kermit E.; Nichols, William T.; Meehan, Timothy S.; and Essig, Robert A., 4,882,910, Cl. 62-256.000.
- Essig, Willi: *See—*
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- Essilor International (Compagnie Generale d'Optique): *See—*
  - Bournet, Claude; and Wajs, Georges, 4,879,072, Cl. 264-1.400.
  - Bovet, Christian, 4,881,806, Cl. 351-204.000.
  - Dufour, Maurice; and Obrecht, Gerard, 4,796,988, Cl. 351-169.000.
  - Dufour, Maurice, 4,838,674, Cl. 351-169.000.
  - Dufour, Maurice; and Obrecht, Gerard, 4,854,689, Cl. 351-169.000.
  - Herbin, Patrick; and Lacroix, Jean-Claude, 4,826,548, Cl. 156-152.000.
  - Herbin, Patrick; and Lacroix, Jean-Claude, 4,831,789, Cl. 51-363.000.
  - Herbin, Patrick; and Lacroix, Jean-Claude, 4,844,143, Cl. 164-332.000.
  - Herbin, Patrick; and Lacroix, Jean-Claude, 4,852,631, Cl. 164-98.000.
  - Joncour, Christian, 4,798,459, Cl. 356-127.000.
  - Lhospice, Bernard, 4,802,753, Cl. 351-88.000.
  - Romanet, Claude, 4,869,585, Cl. 351-153.000.
- Essington, Michael: *See—*
  - Bowen, John M.; Sullivan, Patrick J.; Blanche, M. Sterling; Essington, Michael; and Noe, Lewis J., 4,802,761, Cl. 356-301.000.
- Esslinger, Dwaine E. Oil pressure adjustment device for engines. 4,860,856, 8-29-89, Cl. 181-6.400.
- Essmann & Schaefer GmbH & Co. KG: *See—*
  - Kammerling-Essmann, Horst-Peter, 4,829,854, Cl. 76-107.00C.
- Esso Resources Canada Limited: *See—*
  - Winkel, Gordon R.; and Lamb, David K., 4,863,009, Cl. 198-505.000.
- Essock, Diana M.; and Malinowski, Richard F., to General Electric Company. Increasing the oxidation resistance of molybdenum and its use for lamp seals. 4,835,439, 5-30-89, Cl. 313-332.000.
- Essop, Sulaiman: *See—*
  - Upsher, Stanley M.; and Essop, Sulaiman, 4,813,567, Cl. 220-5.00A.
- ESTA Apparatebau GmbH & Co. KG: *See—*
  - Kulitz, Gunter, 4,801,376, Cl. 210-123.000.
- Establecimientos Industrales Quimicos Oxiquim S.A.: *See—*
  - Saphores Wiedmaier, Eugenio A.; Gleisner Klempau, Arturo G.; Vega de Kuyper, Juan C.; and Mardones Parra, Wladimir A., 4,886,595, Cl. 209-166.000.
- Establishment Public dit Centre National de la Recherche Scientifique (CNRS): *See—*
  - Monsigny, Michel; and Roche, Annie-Claude, 4,801,578, Cl. 514-8.000.
- Establissement Public de diffusion dit Telediffusion de France: *See—*
  - Ugon, Michel; and Guillou, Louis, 4,807,288, Cl. 380-30.000.
- Establissement Texcontor: *See—*
  - Conti, Franco; and Marinoni, Vito, 4,810,695, Cl. 514-55.000.
  - Conti, Franco, 4,826,826, Cl. 514-55.000.
- Establissements Caillau: *See—*
  - Calmettes, Lionel, 4,803,758, Cl. 24-20.00R.
  - Calmettes, Lionel, 4,887,948, Cl. 411-5.000.
- Establissements Georges Olivier S.A.: *See—*
  - Varin, Michel, 4,888,852, Cl. 15-400.000.
- Establissements Maurice Maillard: *See—*
  - Josereau, Bernard, 4,840,260, Cl. 192-64.000.
  - Jourdain, Marc; and Marnat, Michel, 4,828,537, Cl. 474-160.000.
- Establissements Mesnel: *See—*
  - Mesnel, Francois, 4,843,763, Cl. 49-440.000.
  - Mesnel, Francois; and Mesnel, Gerard, 4,888,917, Cl. 49-479.000.
- Establissements Montabert: *See—*
  - Piras, Bernard, 4,858,702, Cl. 173-134.000.
- Establissements Treves - Societe Anonyme Francaise: *See—*
  - Fermigier, Claude; and Fermigier, Luc, 4,830,793, Cl. 264-39.000.
- Estabrook, Andrew R.; Shook, Laura A.; Daguio, Gerard N.; and Baker, Robert M., to United States of America, Navy. Fiber optic cable connection. 4,846,545, 7-11-89, Cl. 350-96.210.
- Estabrook, Robert M.; Furtmann, Terrence J.; and Norstrom, Svenn A., to Honeywell Inc. Clutch/damper. 4,888,539, 12-19-89, Cl. 318-685.000.
- Estaque, Michel, to Labavia S.G.E. Armature rotors of electromagnetic brakes. 4,811,822, 3-14-89, Cl. 188-264.00A.
- Estaque, Michel, to Labavia S.G.E. Armature rotors of electromagnetic retarders. 4,853,574, 8-1-89, Cl. 310-105.000.
- Estavoyer, Jacques: *See—*
  - Cherbuy, Bernard; Kinet, Daniel; and Estavoyer, Jacques, 4,831,386, Cl. 346-74.200.
  - Cherbuy, Bernard; and Estavoyer, Jacques, 4,877,341, Cl. 400-119.000.
  - Raulin, Philippe; Messer, Jean-Pierre; Cherbuy, Bernard; and Estavoyer, Jacques, 4,811,476, Cl. 29-603.000.
- Este, Grantley O.: *See—*
  - Suthers, Mark S.; Este, Grantley O.; Streater, Richard W.; and MacLaurin, Blair K., 4,814,658, Cl. 310-313.00D.
- Estee Lauder, Inc.: *See—*
  - Goldberg, Ronald N.; Mavroudis, Eugene G.; and Ferguson, Susan H., 4,886,387, Cl. 401-122.000.
  - Smith, Walter P., 4,839,164, Cl. 424-64.000.
- Estep, Timothy N., to Baxter International Inc. Purified hemoglobin solutions and method for making same. 4,831,012, 5-16-89, Cl. 514-6.000.
- Estep, Timothy N., to Baxter International, Inc. Purified hemoglobin solutions and method for making same. 4,861,867, 8-29-89, Cl. 530-385.000.
- Esterbauer Josef: *See—*
  - Herzig, Christian; Deubzer, Bernward; Frey, Volker; and Esterbauer Josef, 4,857,608, Cl. 525-476.000.
- Esterl, David J.: *See—*
  - Toben, Michael P.; Brown, Neil D.; Esterl, David J.; and Schetty, Robert A., 4,880,507, Cl. 204-44.400.
- Esterle, Otto J.: *See—*
  - Kochilla, Richard J.; and Esterle, Otto J., 4,798,657, Cl. 204-147.000.
- Esters, Daniel W.: *See—*
  - Rehn, Bryce H.; Penick, Ronald J.; Esters, Daniel W.; and Baker, Harold A., 4,829,956, Cl. 123-198.0DB.
- Estes, Earl M., Jr., to Hughes Aircraft Company. Two-state, bilateral, single-pole, double-throw, half-bridge power-switching apparatus and power supply means for such electronic power switching apparatus. 4,849,651, 7-18-89, Cl. 307-125.000.
- Estes, Eugene J. Flexible heating wrap apparatus for charged cylinders. 4,833,299, 5-23-89, Cl. 219-311.000.
- Estes, Howard S.: *See—*
  - Venkat, Rajoo; Boyes, Melvyn H.; and Estes, Howard S., 4,850,117, Cl. 34-32.000.
- Estes, Mark W., to International Business Machines Corp. Operator access to monitoring applications. 4,858,152, 8-15-89, Cl. 364-550.000.
- Estes, Marvin F., to Eastman Kodak Company. Objective lens support and positioning system. 4,799,766, 1-24-89, Cl. 350-252.000.
- Estes, Marvin F.; and Lungershausen, Arnold W., to Eastman Kodak Company. Optical data signal apparatus for optically coupling a plurality of data channels between stationary and rotating systems. 4,854,662, 8-8-89, Cl. 350-96.200.

Estes, Marvin F.; and Lungershausen, Arnold W., to Eastman Kodak Co. Fresnel lens apparatus for optically coupling a plurality of data channels. 4,875,756, 10-24-89, Cl. 350-96.200.
Estes, Rodger E. Baseball infield conditioning apparatus. 4,836,295, 6-6-89, Cl. 172-146.000.
Estes, William E.; Deatcher, John H.; and Whitwell, George E., to Akzo America Inc. Arylsiloxane/silicate compositions useful as interlayer dielectric films. 4,801,507, 1-31-89, Cl. 428-450.000.
Esteve, Xavier: *See—*
  Pruvot, Francois; and Esteve, Xavier, 4,850,255, Cl. 82-160.000.
Estona Incorporated: *See—*
  Okano, Masaru, 4,828.525, Cl. 446-175.000.
Estrada, Calixto; Hamerslag, James D.; Hooley, Robert W.; Hunt, John W.; Johnson, Melvin H.; McCabe, Duncan D.; and Perrotto, Joseph A., to Du Pont de Nemours, E. I., and Company. Decoupled fiber optic feedthrough assembly. 4,865,410, 9-12-89, Cl. 350-96.200.
Estrada, John J.: *See—*
  Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, 4,801,532, Cl. 435-7.000.
  Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, 4,855,408, Cl. 530-350.000.
Estrada, Luis I. Pinata game. 4,832,337, 5-23-89, Cl. 273-1.0GF.
Estrada, Suzanne L.; and Ploger, Robert R., III, to International Business Machines Corporation. Multiprotocol I/O communications controller unit including emulated I/O controllers and tables translation of common commands and device addresses. 4,855,905, 8-8-89, Cl. 364-200.000.
Esu-Oh Giken Co., Ltd.: *See—*
  Ohkubo, Takemi, 4,885,037, Cl. 156-57.000.
Esumi, Kimio: *See—*
  Takaya, Takao; Takasugi, Hisashi; Esumi, Kimio; Kuno, Atsushi; Sakai, Hiroyoshi; Maeda, Kazuhiro; and Sakamoto, Yoshie, 4,857,527, Cl. 514-237.200.
Esumi, Shinichiro: *See—*
  Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
Esvang, Robert L., Jr.: *See—*
  Hall, Keith; Esvang, Robert L., Jr.; and DiLorenzo, Ralph N., 4,834,621, Cl. 417-297.000.
Eswaran, Kapali. Single-line, plug-in telephone answering machine. 4,847,889, 7-11-89, Cl. 379-67.000.
Eszakmagyarorszagi Vegyimuvek: *See—*
  Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.
  Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
  Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.
  Matolcsy, Gyorgy; Bordas, Barna; Gimesi, Antal; Kovacs, Magdolna; and Tuske, Marton, 4,843,177, Cl. 564-209.000.
  Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
ETA SA Ebauches: *See—*
  Schmidli, Pierre, 4,815,051, Cl. 368-37.000.
ETA SA Fabriques d'Ebauches: *See—*
  Aellen, Pierre-Andre , 4,831,606, Cl. 368-282.000.
  Bron, Alphonse, 4,818,830, Cl. 200-341.000.
  Mock, Elmar; and Meyrat, Clement, 4,846,230, Cl. 139-383.00R.
  Mock, Elmar, 4,853,910, Cl. 368-300.000.
  Muller, Jacques, 4,831,607, Cl. 368-309.000.
  Nicolet, Richard; and Koch, Daniel, 4,890,111, Cl. 342-51.000.
  Noirjean, Pierre-Andre , 4,884,258, Cl. 368-276.000.
  Teodoridis, Viron; and Joss, Bernard, 4,884,252, Cl. 368-10.000.
  Thomke, Ernst; and Kappeler, Markus, 4,817,138, Cl. 379-433.000.
  Triponez, Andre , 4,868,402, Cl. 250-561.000.
  Vuilleumier, Cyril, 4,845,694, Cl. 368-309.000.
  Zaslawsky, Abraham, 4,881,213, Cl. 368-15.000.
  Zaugg, Hans, 4,840,337, Cl. 248-115.000.
ETA Systems, Inc.: *See—*
  Crohn, David C., 4,805,096, Cl. 364-200.000.
  Doyle, John J., Jr., 4,852,015, Cl. 364-491.000.
Etabilissement Public dit "Telediffusion de France": *See—*
  Vigarie, Jean-Pierre; Carlach, Jean-Claude; and Penard, Pierre, 4,841,462, Cl. 364-723.000.
Etablissement Public a Caractere Scientifique: *See—*
  Blanchet, Robert; Choujaa, Abdelkrim; Chave, Jacques; and Viktorovitch, Pierre, 4,865,656, Cl. 148-33.300.
Etablissement Public: Centre National du Machinisme Agricole du Genie Rural, des Eaux et des Forets - (Cemagref): *See—*
  Montalescot, Jean-Bernard; Camus Guy; and Lucas, Jean, 4,867,103, Cl. 119-14.080.
Etablissement Public de Diffusion dit Telediffusion de France: *See—*
  Chassaing, Francoise; and Chatel, Jean, 4,804,924, Cl. 329-1.000.
  Guillou, Claude L., 4,864,110, Cl. 235-380.000.
  Murray, Bruce; Guillou, Louis; and Coutrot, Francoise M. R. 4,797,919, Cl. 380-20.000.
  Piole, Philippe, 4,847,491, Cl. 250-231.00R.
  Pommier, Daniel, 4,821,261, Cl. 370-77.000.
Etablissement Supervis: *See—*
  Lutz, Christian, 4,886,480, Cl. 464-112.000.
Etablissements Caillau: *See—*
  Calmettes, Lionel; and Andre, Michel, 4,834,431, Cl. 285-410.00
Etablissements Contat Freres (S.A.): *See—*
  Contat, Bernard, 4,835,823, Cl. 24-234.000.
Etablissements Daloz S.A.: *See—*
  Daloz, Jacques, 4,848,176, Cl. 74-333.000.
Etablissements ED. Vaux: *See—*
  Vaux, Jean-Pierre, 4,827,577, Cl. 24-704.200.
Etablissements Georges Klein: *See—*
  Ulmann, Jean-Pierre, 4,881,624, Cl. 188-82.200.
Etablissements Maurice Maillard: *See—*
  Kapela, Didier; and Marnat, Michel, 4,816,013, Cl. 474-160.00
Etablissements Montabert: *See—*
  Comarmond, Jean S., 4,800,797, Cl. 91-307.000.
Etablissements Neu: *See—*
  Barroyer, Paul; Piat, Eric; Foucher, Bernard; and Bouilliez, Le 4,825,940, Cl. 165-84.000.
Etablissements Pierre Angenieux: *See—*
  Corbasson, Gerard, 4,854,685, Cl. 350-427.000.
Etablissements Scheidegger W. & Cie S.A.: *See—*
  Scheidegger, Albert, 4,803,829, Cl. 53-442.000.
Etablissements Valois: *See—*
  Brunet, Michel; and Garcia, Firmin, 4,801,093, Cl. 239-490.00
Etak, Inc.: *See—*
  Honey, Stanley K.; Zavoli, Walter B.; Milnes, Kenneth A.; Phillips Alan C.; White, Marvin S., Jr.; and Loughmiller, George E., Jr 4,796,191, Cl. 364-450.000.
  Phillips, Alan C.; and O'Brien, Terence J., 4,811,491, C 33-366.000.
  Phillips, Alan C.; O'Brien, Terence J.; and Taylor, Charles S 4,811,613, Cl. 74-5.60D.
Etani, Kenji. Method for water treatment. 4,853,131, 8-1-89, C 210-696.000.
Etani, Kenji. Methods for water treatment. 4,880,547, 11-14-89, C 210-728.000.
Etani, Tadao: *See—*
  Honda, Sumio; Ogata, Taizo; and Etani, Tadao, 4,876,839, C 53-137.000.
  Shigeta, Toshio; Muto, Yoshiyuki; and Etani, Tadao, 4,840,330, C 242-58.000.
Etat Francais: *See—*
  Clere, Jean-Michel; and Lebrun, Dominic, 4,807,179, C 364-900.000.
  Guezou, Jean-Pierre; Heid, Gilles; Bailleux, Pierre; and Provost Marc, 4,836,743, Cl. 415-53.100.
  Guezou, Jean-Pierre R.; Lambati, Bertrand; Balquet, Robert; and Machabert, Michel, 4,862,820, Cl. 114-278.000.
  Lacam, Jean S.; Pons, Rene E.; and Simand, Pierre J., 4,819,610, C 124-75.000.
  Lambert, Bertrand; Toudic, Yves; and Coquille, Rene, 4,851,07 Cl. 156-605.000.
  Le Guet, Pierre-Loic; Lempereur, Christine; and Mathe, Jean-Michel, 4,843,460, Cl. 358-107.000.
  Murray, Bruce; Guillou, Louis; and Coutrot, Francoise M. R. 4,797,919, Cl. 380-20.000.
  Seigneur, Jean-Michel; and Menu, Jean-Pierre, 4,855,650, C 315-383.000.
Etat Francais as represented by the Delegue General pour l'Armement: *See—*
  Cambon, Christian, 4,859,522, Cl. 428-215.000.
  Dasse, Gerard, 4,877,466, Cl. 149-108.600.
  Delaite, Richard C., 4,814,662, Cl. 310-348.000.
Etat Francais Centre National de la Recherche Scientifique: *See—*
  Torres, Joaquim; Madar, Roland; Bernard, Claude; and Mu Brodaz, Jean-Francois, 4,871,691, Cl. 437-200.000.
Etat Francais represente par le Ministre des Postes et Telecommunications (Centre National d'Etudes des Telecommunications): *See—*
  Auvert, Geoffroy; Georgel, Jean-Claude; and Guern, Yv 4,825,034, Cl. 219-121.720.
  Choquet, Bruno; and Siohan, Pierre, 4,868,655, Cl. 358-140.00
  Mulawka, Jan; Konczykowska, Agnieszka; and Bon, Michel 4,841,263, Cl. 333-173.000.
  Naud, Claude; Guillot, Gerard; Deveaud, Benoit; and Clerau Bernard, 4,821,274, Cl. 372-43.000.
  Piole, Philippe, 4,847,491, Cl. 250-231.00R.
  Pommier, Daniel, 4,821,261, Cl. 370-77.000.
  Pommier, Daniel, 4,884,139, Cl. 358-142.000.
  Servel, Michel; Gonet, Patrick; and Francois, Joel, 4,884,264, C 370-58.100.
  Thiennot, Jean, 4,840,448, Cl. 350-96.160.
  Thioulouse, Pascal; and Solomon, Ionel, 4,877,995, Cl. 313-507
  Ugon, Michel; and Guillou, Louis, 4,807,288, Cl. 380-30.000.
  Vigarie, Jean-Pierre; Carlach, Jean-Claude; and Penard, Pierre 4,841,462, Cl. 364-723.000.
Etchell, Gordon, to Pathfinder Graphic Associates Inc. Oscillating for printing presses. 4,796,530, 1-10-89, Cl. 101-349.000.
Etchell, Gordon, to Pathfinder Graphic Associates Inc. Flexible cl drive pulley assembly. 4,796,742, 1-10-89, Cl. 192-67.00P.

Etchells, Arthur W.; and Donofrio, David J., to Graco, Inc. Nondegrading pressure regulator. 4,886,086, 12-12-89, Cl. 137-1.000.
Etcon Corporation: *See—*
  Rocci, Joseph A.; Crosetto, John; Earle, Kent L.; and Kirby, David W., 4,797,604, Cl. 324-65.00R.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, to Carrier Corporation. Method of lubricating a scroll compressor. 4,795,321, 1-3-89, Cl. 418-1.000.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, to Carrier Corporation. Scroll compressor with oil thrust force on orbiting scroll. 4,795,322, 1-3-89, Cl. 418-55.000.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, to Carrier Corporation. Method of assembling scroll compressors. 4,811,471, 3-14-89, Cl. 29-156.40R.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, to Carrier Corporation. Scroll machine with wraps of different thicknesses. 4,834,633, 5-30-89, Cl. 418-1.000.
Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, to Carrier Corporation. Scroll compressor with plural discharge flow paths. 4,854,831, 8-8-89, Cl. 417-366.000.
Etssia: *See—*
  Wolf, Pierre, 4,856,265, Cl. 56-320.200.
Etheredge, Nancy. Cover and jacket with pocket and method of manufacture thereof. 4,795,194, 1-3-89, Cl. 281-34.000.
Etheredge, Robert W., III, to Kendall Company, The. Lubricating device. 4,872,263, 10-10-89, Cl. 30-41.000.
Etheridge, Charles O.: *See—*
  Fairlie-Clarke, Anthony C.; and Etheridge, Charles O., 4,858,937, Cl. 277-2.000.
Etheridge, David R. De-ionized fluid heater and control system. 4,835,365, 5-30-89, Cl. 219-298.000.
Etheridge, David R. Method of connecting a non-contaminating fluid heating element to a power source. 4,875,957, 10-24-89, Cl. 156-85.000.
Etheridge, Eric: *See—*
  Hansen, Victor L.; and Etheridge, Eric, 4,809,208, Cl. 364-724.120.
Etheridge, Eric P., to Tektronix, Inc. CMOS comparator bias voltage generator. 4,859,928, 8-22-89, Cl. 323-311.000.
Etheridge, John A.; and Hillhouse, Thomas W. Percussion cap dispensing device. 4,845,874, 7-11-89, Cl. 42-90.000.
Etheridge, Johnny E. Crusher control system. 4,804,148, 2-14-89, Cl. 241-35.000.
Etheridge, Reggie H.: *See—*
  Demny, Albert C.; Harwell, J. Matt; Etheridge, Reggie H.; and Bush, Robert E., 4,886,121, Cl. 166-382.000.
Etheridge, Ronald D. Flying toy. 4,850,923, 7-25-89, Cl. 446-34.000.
Etherton, Bradley P.: *See—*
  Best, Steven A.; Etherton, Bradley P.; and Kaus, Malcolm J., 4,866,144, Cl. 526-129.000.
Ethical Pharmaceuticals Limited: *See—*
  Rhodes, Alan, 4,880,830, Cl. 424-470.000.
Ethicon, Inc.: *See—*
  Annis, David; and Berry, John P., 4,842,505, Cl. 425-174.80E.
  Arata, Justin E.; and Pynn, John N., 4,844,068, Cl. 128-346.000.
  Bedi, James J.; Golden, Donald M.; Gaterud, Mark T.; Miksza, Anthony S.; Deniega, Jose C.; Smith, Richard; and Yorks, W. Brinton, Jr., 4,805,617, Cl. 128-334.00C.
  Berry, John P.; and Annis, David, 4,883,453, Cl. 600-36.000.
  Bilweis, Joseph, 4,878,890, Cl. 600-37.000.
  Dahlke, Hermann; and Willmen, Hans-Rainer, 4,796,603, Cl. 128-899.000.
  Finterwald, Philip M.; Howlett, Charles W.; and Ring, James W., 4,802,458, Cl. 128-661.080.
  Fox, William D., 4,869,415, Cl. 227-19.000.
  Henderson, Alex M.; McKey, Loretta M.; and Gordon, A. Kim, 4,828,827, Cl. 424-80.000.
  Jamiolkowski, Dennis D.; Shalaby, Shalaby W.; Bezwada, Rao S.; and Newman, Hugh D., Jr., 4,838,267, Cl. 128-335.500.
  Jamiolkowski, Dennis D.; Gaterud, Mark T.; Newman, Hugh D., Jr.; and Shalaby, Shalaby W., 4,889,119, Cl. 606-220.000.
  Murray, Michael A., 4,811,886, Cl. 227-19.000.
  Roshdy, Constance E.; Cerwin, Robert J.; and Alpern, Marvin, 4,884,681, Cl. 206-63.300.
  Roshdy, Constance E.; Cerwin, Robert J.; and Alpern, Marvin, 4,887,710, Cl. 206-63.300.
  Rothfuss, Robert G., 4,805,823, Cl. 227-19.000.
  Sheffield, Warren D.; and diZerega, Gere S., 4,889,722, Cl. 424-450.000.
  Smith, Daniel J.; and Furman, Dennis L., 4,799,484, Cl. 128-339.000.
  Smith, George D. K.; Hughett, James D.; and Warman, Thomas E., 4,796,793, Cl. 277-19.000.
  Transue, James A.; Pynn, John N.; D'Innocencio, Joseph; Thomas, Michael S.; and Gertzman, Arthur A., 4,799,481, Cl. 128-325.000.
Ethington, Don; Riley, Ray J.; and Tock, Richard W., to Al-Chem Fuels, Inc. Fast pyrolysis reactor and method of enhancing unsaturated hydrocarbon formation. 4,834,853, 5-30-89, Cl. 204-168.000.
Ethos Medical Research Limited: *See—*
  Connolly, Patrick J., 4,868,937, Cl. 5-61.000.
Ethridge, Edwin C.; and Johnson, Jerry L., to Smock Right, Inc. Self-stripping pleating apparatus. 4,811,873, 3-14-89, Cl. 223-32.000.
Ethridge, Fredrick A., to Lummus Industries, Inc. Package wind cutter. 4,831,908, 5-23-89, Cl. 83-346.000.
Ethyl Corporation: *See—*
  Allen, Robert H.; and Ibrahim, Jameel, 4,851,297, Cl. 428-570.000.
  Allen, Robert H., 4,868,013, Cl. 427-213.000.
  Allen, Robert H., 4,871,524, Cl. 423-349.000.
  Anderson, Keith G., 4,873,341, Cl. 548-462.000.
  Belk, Thomas J., 4,857,173, Cl. 209-2.000.
  Boone, James E.; Owens, David W.; Farritor, Robert E.; and Blank, Wesley D., 4,806,317, Cl. 422-145.000.
  Borland, James E.; and Sauer, Joe D., 4,801,426, Cl. 422-5.000.
  Bossier, Joseph A., III; Richards, Douglas M.; and Crasto, Lloyd T., 4,847,061, Cl. 423-347.000.
  Broemmelsiek, H. Eugene; Lee, Raymond; and Lanier, Carroll W., 4,877,563, Cl. 264-26.000.
  Burton, Lester P. J.; and Blumberg, Morris, 4,867,907, Cl. 252-400.240.
  Chang, Suae-Chen, 4,816,532, Cl. 525-538.000.
  Culley, Scott A.; Keblys, Kestutis A.; and Nalepa, Christopher J., 4,849,544, Cl. 564-461.000.
  Davidson, Robert I., 4,814,480, Cl. 558-378.000.
  Davidson, Robert I., 4,814,482, Cl. 558-378.000.
  Davidson, Robert I., 4,822,904, Cl. 558-378.000.
  Davidson, Robert I., 4,889,951, Cl. 562-427.000.
  Davis, Robert L., 4,825,002, Cl. 564-438.000.
  DePriest, Robert N., 4,814,203, Cl. 427-248.100.
  Francis, Michael A., 4,795,415, Cl. 493-409.000.
  Gatto, Vincent J., 4,877,902, Cl. 568-23.000.
  Gautreaux, Marcelian F.; and Allen, Robert H., 4,820,587, Cl. 428-403.000.
  Gautreaux, Marcelian F.; and Allen, Robert H., 4,883,687, Cl. 427-213.000.
  Hargis, Duane C., 4,798,894, Cl. 544-277.000.
  Heidebrecht, Gary D., 4,824,989, Cl. 558-423.000.
  Indyke, David M., 4,814,357, Cl. 528-289.000.
  Indyke, David M., 4,816,493, Cl. 521-110.000.
  Indyke, David M., 4,826,886, Cl. 521-185.000.
  Indyke, David M., 4,839,398, Cl. 521-183.000.
  Indyke, David M., 4,855,332, Cl. 521-185.000.
  Indyke, David M., 4,866,104, Cl. 521-185.000.
  Khuddus, Mo A., 4,871,863, Cl. 548-462.000.
  King, Jeffrey F.; Matthews, Charles W.; and Batman, Eric S., 4,870,216, Cl. 568-789.000.
  Klobucar, W. Dirk, 4,849,494, Cl. 528-168.000.
  Lanier, Caroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, 4,855,331, Cl. 521-184.000.
  Lanier, Carroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, 4,822,537, Cl. 264-26.000.
  Laurent, Sebastian M.; and Sanders, Robert N., 4,820,526, Cl. 426-2.000.
  Laurent, Sebastian M.; and Sanders, Robert N., 4,847,085, Cl. 424-684.000.
  Laurent, Sebastian M.; and Sanders, Robert N., 4,862,829, Cl. 119-1.000.
  Laurent, Sebastian M.; and Sanders, Robert N., 4,873,097, Cl. 426-74.000.
  Laurent, Sebastian M.; and Sanders, Robert N., 4,879,121, Cl. 426-2.000.
  Laurent, Sebatian M.; and Sanders, Robert N., 4,872,421, Cl. 119-1.000.
  Laurenzo, Kathleen S., 4,888,138, Cl. 562-555.000.
  Laurenzo, Kathleen S.; and Bauer, Dennis P., 4,889,954, Cl. 564-298.000.
  Lee, John Y.; and Spielman, Edgar E., Jr., 4,873,377, Cl. 568-844.000.
  Lee, Raymond; Lanier, Carroll W.; and Broemmelsiek, H. Eugene, 4,804,504, Cl. 264-26.000.
  Lin, Ronny W.; and Davidson, Robert I., 4,808,748, Cl. 558-378.000.
  Lin, Ronny W.; and Ramachandran, Venkataraman, 4,824,988, Cl. 558-423.000.
  Marlett, Everett M., 4,855,120, Cl. 423-347.000.
  Marlett, Everett M.; Frey, Frederick W.; Johnston, Steven W.; and Kaesz, Herbert D., 4,866,191, Cl. 556-171.000.
  Mina, George L.; Goins, Dixie E.; and Gramling, John S., 4,847,434, Cl. 568-730.000.
  Mina, George L.; and Schell, Raymond A., 4,870,214, Cl. 568-720.000.
  Mueller, Warren B.; and Pettigrew, F. Alexander, 4,818,603, Cl. 428-316.600.
  Mueller, Warren B.; and Landry, Susan D., 4,870,113, Cl. 521-89.000.
  Nelson, Gunner E., 4,810,425, Cl. 260-502.40R.
  Nelson, Gunner E., 4,845,260, Cl. 556-478.000.
  Niebylski, Leonard M., 4,873,353, Cl. 556-402.000.
  Presswood, J. Kenneth, 4,831,977, Cl. 123-193.00P.
  Presswood, J. Kenneth; and O'Quinn, Alethea H., 4,879,182, Cl. 428-408.000.
  Ranken, Paul F.; and McKinnie, Bonnie G., 4,866,209, Cl. 564-440.000.
  Ranken, Paul F., 4,889,955, Cl. 564-440.000.
  Roark, David N.; and Lambert, Jules A., 4,859,530, Cl. 428-294.000.
  Rogers, John J.; and Semen, John, 4,845,058, Cl. 501-88.000.
  Roper, Jerry M., 4,800,230, Cl. 558-388.000.
  Schleifstein, Robert A., 4,804,698, Cl. 524-89.000.
  Schleifstein, Robert A., 4,820,770, Cl. 525-133.000.
  Schleifstein, Robert A., 4,857,597, Cl. 525-151.000.
  Semen, John; and Rogers, John J., 4,835,207, Cl. 524-443.000.
  Senaratne, K. Pushpananda A., 4,814,497, Cl. 562-467.000.
  Smith, Frank J.; and Roper, Jerry M., 4,827,013, Cl. 558-406.000.

Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,784, Cl. 514-517.000.
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,785, Cl. 514-526.000.
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,788, Cl. 514-534.000.
Smith, Kim R.; Borland, James E.; and Sauer, Joe D., 4,874,789, Cl. 514-551.000.
Smith, Kim R.; Sauer, Joe D.; and Borland, James E., 4,883,917, Cl. 564-292.000.
Smith, Kim R., 4,888,447, Cl. 564-480.000.
Stahly, G. Patrick, 4,798,900, Cl. 548-461.000.
Stahly, G. Patrick, 4,804,772, Cl. 556-436.000.
Stahly, G. Patrick, 4,804,773, Cl. 556-436.000.
Stahly, G. Patrick, 4,804,774, Cl. 556-436.000.
Stahly, G. Patrick, 4,837,327, Cl. 546-24.000.
Stahly, G. Patrick, 4,845,258, Cl. 556-436.000.
Stahly, G. Patrick, 4,866,184, Cl. 548-461.000.
Stahly, G. Patrick, 4,871,877, Cl. 568-326.000.
Weidig, Charles F., 4,861,914, Cl. 564-7.000.
Wiegand, Karl E.; and Hu, Patrick C., 4,870,191, Cl. 549-214.000.
Wiker, Steven L.; Matthews, Charles W; and King, Jeffrey F., 4,870,215, Cl. 568-789.000.
Wolfram, Joachim W., 4,871,874, Cl. 564-288.000.
Ethyl Petroleum Additives, Inc.: *See*—
Lam, William Y., 4,836,942, Cl. 252-47.000.
Lam, William Y., 4,876,375, Cl. 558-235.000.
Lam, William Y., 4,885,365, Cl. 544-161.000.
Papay, Andrew G., 4,795,583, Cl. 252-77.000.
Papay, Andrew G.; and O'Brien, Joseph P., 4,855,074, Cl. 252-51.50A.
Papay, Andrew G.; and Hartley, Rolfe J., 4,857,214, Cl. 252-32.500.
Ethylene Corp.: *See*—
Sheridan, Michael; and Jaffe, Kenneth, 4,838,095, Cl. 73-864.630.
Sheridan, Michael; and Jaffe, Kenneth, 4,873,876, Cl. 73-863.860.
Sheridan, Michael, 4,888,154, Cl. 422-49.000.
Ethypharm: *See*—
Boyer, Jean-Francois, 4,800,079, Cl. 424-482.000.
ETI Explosives Technologies International (Canada), Ltd.: *See*—
Leong, Dennis Y., 4,889,570, Cl. 149-7.000.
ETI Explosives Technologies International Inc.: *See*—
Yunan, Malak E., 4,796,533, Cl. 102-322.000.
Yunan, Malak E., 4,815,382, Cl. 102-275.700.
ETI Systems: *See*—
Tice, Bill, 4,800,308, Cl. 310-83.000.
Etienne, Abel. Retention stocking for lower limb. 4,811,727, 3-14-89, Cl. 128-80.00R.
Etienne, Jeanine: *See*—
Comment, Alain; James, Yannick C.; Etienne, Jeanine; and Crisafulli, Emilio, 4,846,184, Cl. 128-633.000.
Etienne, Nolf J.; and Browell, Atkinson E., to Raychem Corporation. Remote locating of a structure and remote measurement of conditions therein. 4,862,088, 8-29-89, Cl. 324-326.000.
Etna Products Co. Inc.: *See*—
Snyder, Jeffrey, 4,848,585, Cl. 206-566.000.
Eto, Eiichi: *See*—
Nishimura, Tatsumi; Eto, Eiichi; and Yamada, Toyofumi, 4,804,750, Cl. 536-20.000.
Eto, Isamu: *See*—
Takeuchi, Shin; Eto, Isamu; and Yamada, Taketoshi, 4,824,617, Cl. 26.4-26.000.
Eto, Kazumi: *See*—
Tanaka, Hiroshi; Murata, Yasukiyo; and Eto, Kazumi, 4,876,861, Cl. 62-279.000.
Eto, Kunihiko; Takeuchi, Shiro; Mori, Yutaka; Tanooka, Shigeo; Kodama, Kazumasa; and Matsumoto, Tsutomu, to Toyoda Koki Kabushiki Kaisha. Device for controlling steering force in power steering apparatus. 4,858,134, 8-15-89, Cl. 364-424.050.
Eto, Kunihiko; and Takeuchi, Shiro, to Toyoda Koki Kabushiki Kaisha. Torque sensor. 4,864,873, 9-12-89, Cl. 73-862.320.
Eto, Morifusa: *See*—
Kuwano, Eiichi; Takeya, Ryuko; Eto, Morifusa; and Asano, Shoji, 4,812,473, Cl. 514-396.000.
Eto, Naonobu: *See*—
Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.
Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.
Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, Cl. 428-332.000.
Eto, Shigeo: *See*—
Shirasawa, Honai; Sugeno, Hiroto; Eto, Shigeo; and Saito, Hiroshi, 4,859,342, Cl. 210-656.000.
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Eto, Tooru: *See*—
Nakata, Tetsuro; Sato, Ichitaro; and Eto, Tooru, 4,885,639, Cl. 358-167.000.
Eto, Yoshizumi; Takeshita, Kazuyuki; Kanda, Hidehiro; and Umemoto, Masuo, to Hitachi, Ltd.; and Hitachi Denshi Kabushiki Kaisha. Circuit for detecting synchronizing code. 4,802,192, 1-31-89, Cl. 375-116.000.
Eto, Yoshizumi: *See*—
Mimura, Itaru; Sato, Kazuhiro; Akiyama, Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, 4,825,291, Cl. 358-213.190.
Etoh, Hiroshi, to Oki Electric Industry Co., Ltd. Block synchronization data communication unit in mobile radio. 4,823,362, 4-18-89, Cl. 375-116.000.
Etoh, Hiroshi: *See*—
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Etoh, Jun; Shimohigashi, Katsuhiro; Miyazawa, Kazuyuki; Kimura, Katsutaka; and Akiba, Takesada, to Hitachi, Ltd.; and Hitachi Device Engineering Co., Ltd. Dynamic random access memory capable of fast erasing of storage data. 4,873,672, 10-10-89, Cl. 365-218.000.
Etoh, Jun: *See*—
Itoh, Kiyoo; Kawajiri, Yoshiki; Kimura, Katsutaka; Hori, Ryoichi; and Etoh, Jun, 4,796,234, Cl. 365-227.000.
Miyazawa, Kazuyuki; Shimohigashi, Katsuhiro; Etoh, Jun; and Kimura, Katsutaka, 4,811,299, Cl. 365-201.000.
Etoh, Masahiro: *See*—
Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; and Moriya, Ikuro, 4,871,456, Cl. 210-321.840.
Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, 4,876,007, Cl. 210-339.000.
Etoh, Minoru: *See*—
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Etoh, Motoaki; and Ishii, Keisuke, to Fuji Jukogyo Kabushiki Kaisha. Breather device of an engine. 4,881,510, 11-21-89, Cl. 123-572.000.
Etoh, Yoshihiko: *See*—
Tamaki, Kiyoshi; Kudoh, Koichi; Etoh, Yoshihiko; and Take, Yoshiaki, 4,888,262, Cl. 430-58.000.
Etoh, Yoshiyuki, to Nissan Motor Company, Limited. System and method for automatically running a vehicle at a crusing speed. 4,829,438, 5-9-89, Cl. 364-426.040.
Etoh, Yoshiyuki; and Takase, Sadao, to Nissan Motor Company, Limited. System and method for automatically running a vehicle at a desired cruising speed. 4,870,584, 9-26-89, Cl. 364-426.040.
Etou, Isamu: *See*—
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,842,49 Cl. 418-55.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,846,64 Cl. 418-55.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,865,53 Cl. 418-55.00E.
Etou, Kouichi: *See*—
Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,809,034, Cl. 355-3.0DD.
Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,819,027, Cl. 355-3.0DD.
Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,851,872, Cl. 355-253.000.
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Etta Industries, Inc.: *See*—
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Ettco Tool & Machine Co., Inc.: *See*—
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Ettehadieh, Bozorg, to Westinghouse Electric Corp. Fly ash recycling to reduce toxic gaseous emissions. 4,844,875, 7-4-89, Cl. 423-210.000.
Ettehadieh, Bozorg, to Westinghouse Electric Corp. Web for rotary combustor. 4,889,060, 12-26-89, Cl. 110-246.000.
Ettehadieh, Bozorg: *See*—
Yang, Wen-Ching; Lee, Suh Y.; and Ettehadieh, Bozorg, 4,889,0 Cl. 110-214.000.
Ettel, Godwin; and Suter, Markus, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Apparatus for digitally adjusting in a projectile a counter for starting a time fuze. 4,862,785, 9-5-89, Cl. 89-6.500.
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Etter, Margaret C.; Frankenbach, Gayle M.; and Panunto, Thomas W., to University of Minnesota, Regents of the. Optically nonlinear pyridine-N-oxide complexes. 4,839,536, 6-13-89, Cl. 307-425.000.
Etter, Robert M.; and Neumiller, Philip J., to S. C. Johnson & Son, Inc. Plastic substrate having an adherent photo-product coating on its surface and a method of coating said plastic substrate. 4,874,67 10-17-89, Cl. 428-457.000.
Etter, Robert M.; and Neumiller, Philip J., to S. C. Johnson & Son, Inc. Metallic substrate having an adherent photo-product coating on its surface and a method of coating said metallic substrate. 4,883,54 11-28-89, Cl. 134-1.000.

Ettinger, Kamil V.; and Brondo, Joseph H., Jr., to Scientific Innovations, Inc. Detection of nitrogen in explosives. 4,851,687, 7-25-89, Cl. 250-390.040.
Ettlinger, Ralph; and Kulbersh, Irwin, to Amco Corporation. Adjustable rack of shelves. 4,815,394, 3-28-89, Cl. 108-111.000.
Ettori, Solange; Peraud, Jean-Claude; and Barton, James, to Saint-Gobain Vitrage. Deionization of glass by corona discharge. 4,824,458, 4-25-89, Cl. 65-30.130.
Etude Recherche Et Development - E.R.D. Sarl: *See*—
Bouillette, Thierry; Olivier, Denis; and Guigou, Bernard, 4,853,245, Cl. 426-575.000.
Etudes et Fabrication: *See*—
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Etudes Techniques et Realisations (CdF Ingenierie): *See*—
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Eturo, Yasuda, Hiroshi, Matsuoka; Hiroyuki, Yoshida; Yoichi, Kotanshi; and Yasushi, Sawada, to Nippon Soken, Inc. Method of making a laminated piezoelectric transducer. 4,803,763, 2-14-89, Cl. 29-25.350.
Etymotic Research, Inc.: *See*—
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Etzbach, Karl-Heinz; Hansen, Guenter; Schefczik, Ernst; and Reichelt, Helmut, to BASF Aktiengesellschaft. Disazo dyes containing a 2-aminothiophene radical substituted by an electron withdrawing group. 4,837,269, 6-6-89, Cl. 534-761.000.
Etzbach, Karl-Heinz: *See*—
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Eilingsfeld, Heinz; Etzbach, Karl-Heinz; Hansen, Guenter; and Reichelt, Helmut, 4,843,153, Cl. 534-752.000.
Kreuder, Willi; Neumann, Peter; Etzbach, Karl-Heinz; Sterzel, Hans-Josef; and Ringsdorf, Helmut, 4,865,762, Cl. 252-299.010.
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Loustau, Desire, 4,833,778, Cl. 29-857.000.
Eubanks, Furney; and Eubanks, Randy. Multi-purpose tool holder for extension handle. 4,854,625, 8-8-89, Cl. 294-19.100.
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Eubanks, Furney; and Eubanks, Randy, 4,854,625, Cl. 294-19.100.
Eubanks, Robert J. I.; and Johnson, Larry K., to Eastman Kodak Company. Processes for preparing substituted 4-hydroxymethyl-1-phenyl-3-pyrazolidinone. 4,835,285, 5-30-89, Cl. 548-358.000.
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Forster, Heinz; Hofer, Wolfgang; Mues, Volker; Eue, Ludwig; and Schmidt, Robert R., 4,833,243, Cl. 540-480.000.
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Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,844,730, Cl. 71-93.000.
Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurrsen, Klaus, 4,880,932, Cl. 544-320.000.
Euen, Wolfgang; Hagmann, Dieter; and Trumpp, Hans-Joachim, to International Business Machines Corporation. Method for fabricating a semiconductor integrated circuit structure having a submicrometer length device element. 4,869,781, 9-26-89, Cl. 156-643.000.
Eugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., to Eastman Kodak Company. Quaternary ammonium salts. 4,834,921, 5-30-89, Cl. 260-501.150.
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Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugui, Elsie M.; and Lee, William A., 4,808,592, Cl. 514-233.500.
Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugui, Elsie M.; and Lee, William A., 4,861,776, Cl. 514-233.500.
Euler, James A., to Rubiyat Software, Inc. Method for compressing data. 4,890,326, 12-26-89, Cl. 381-35.000.
Eumuco Aktiengesellschaft fur Maschinenbau: *See*—
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Eun, Un K., to Korea Crown Co., Ltd. Gas ejection nozzle device for a cigarette lighter. 4,813,866, 3-21-89, Cl. 431-344.000.
Eunbong, Yoo, to Samsung Electronics Co., Ltd. Fin attachment for microwave oven dispersing fans. 4,801,242, 1-31-89, Cl. 416-62.000.
Eunson, Charles S., to Strong Equipment Corporation. Drive motor controlling device for a material transporting conveyor. 4,858,747, 8-22-89, Cl. 198-718.000.
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Euroceltique, S.A.: *See*—
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Curtis-Prior, Peter B.; Leslie, Stewart T.; Miller, Ronald B.; and Shill, Alison L., 4,804,674, Cl. 514-400.000.
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Elger, Gordon; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,834,985, Cl. 424-488.000.
Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,828,836, Cl. 424-419.000.
Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,844,907, Cl. 424-465.000.
Goldie, Robert S.; Malkowska, Sandra T. A.; Leslie, Stewart T.; and Miller, Ronald B., 4,834,984, Cl. 424-488.000.
Goldie, Robert S.; Malkowska, Sandra T. A.; Leslie, Stewart T.; and Miller, Ronald B., 4,844,909, Cl. 424-480.000.
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Heafield, Joanne; Leslie, Stewart T.; Malkowska, Sandra T. A.; and Neale, Philip J., 4,867,985, Cl. 424-461.000.
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Leslie, Stewart T.; Malkowska, Sandra T. A.; Marchant, Joanne; and Neale, Philip J., 4,844,910, Cl. 424-494.000.
Martani, Rosa; Le Huede, Elisabeth; and Dumas, Jeanne, 4,834,965, Cl. 424-488.000.
Oshlack, Benjamin, 4,861,598, Cl. 424-468.000.
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Europatent S.A.: *See*—
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Pierini, Giancarlo; Dworschak, Heinz; Spelta, Bruno; and Vansant, Etienne, 4,867,762, Cl. 55-31.000.
Raimondi, Tullio; Presle, Pierre; Galbiati, Leandro; and de Burbure, Stephane, 4,843,213, Cl. 219-159.000.
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European Economic Community: *See*—
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- Eurotechnique: *See—*
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  - Gloton, Jean P.; and Peres, Philippe, 4,810,865, Cl. 235-487.000.
  - Gloton, Jean P., 4,822,988, Cl. 235-492.000.
  - Gloton, Jean P.; and Peres, Philippe, 4,864,383, Cl. 357-68.000.
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- Eurozyme S.A.: *See—*
  - Amen, Jean; and Cabau, Michel, 4,865,969, Cl. 435-3.000.
- Eusebi, Elio: *See—*
  - Abu-Isa, Ismat A.; Eusebi, Elio; Jaynes, Craig B.; Moran, Susan C.; and Roy, Michael A., 4,842,257, Cl. 267-133.000.
  - Abu-Isa, Ismat A.; Eusebi, Elio; and Jaynes, Craig B., 4,845,169, Cl. 525-444.000.
- Eusemann, Roland K.; Oepen, Heinrich A.; and Hammers, Anton, to U.S. Philips Corporation. Rotary or linear electric motor whose armature is driven by means of ultrasonic vibrations. 4,884,002, 11-28-89, Cl. 310-323.000.
- Eusepi, Martin W.: *See—*
  - Chen, Hsiang M.; Eusepi, Martin W.; and Johnson, Robert E., 4,841,184, Cl. 310-90.500.
- Euskirchen, Jurgen F.: *See—*
  - Laucht, Horst; and Euskirchen, Jurgen F., 4,876,448, Cl. 250-234.000.
- Eussen, Jacobus H. H.: *See—*
  - Wellinga, Kobus; and Eussen, Jacobus H. H., 4,854,961, Cl. 71-88.000.
- Eustache, Jacques: *See—*
  - Shroot, Braham; Eustache, Jacques; Bernardon, Jean-Michel; and Nedoncelle, Philippe, 4,874,747, Cl. 514-23.000.
  - Shroot, Braham; Eustache, Jacques; and Bouclier, Martine, 4,886,907, Cl. 562-490.000.
- Eustache, Jean-Pierre; and Maubray, Daniel, to Equipements Automobiles Marchal. Transmission mechanism, for windscreen wipers in particular, and a windscreen wiper device fitted with such a mechanism. 4,794,818, 1-3-89, Cl. 74-600.000.
- Eustice, Harold L.; and Foster, William T. Ball suspending apparatus and method. 4,858,921, 8-22-89, Cl. 273-26.00R.
- Euteneuer, Albert: *See—*
  - Matthias, Klaus; Disson, Arno; Schick, Gerald; Baumann, Karl-Heinz; and Euteneuer, Albert, 4,830,402, Cl. 280-756.000.
- Euteneuer, Charles L.: *See—*
  - Willard, Lloyd K.; and Euteneuer, Charles L., 4,846,174, Cl. 128-344.000.
- Euverard, Maynard R., to Paul N. Gardner Company, Inc. Adjustable wet film thickness applicator capable of forming films of uniform thickness and non-uniform thickness. 4,869,200, 9-26-89, Cl. 118-200.000.
- Euzen, Jean Paul: *See—*
  - Trambouze, Pierre; Euzen, Jean Paul; Bergez, Pierre; and Claveau, Michel, 4,816,140, Cl. 208-309.000.
  - Vu, Quang D.; Pradel, Claude; Euzen, Jean-Paul; and Le Page, Jean-Francois, 4,820,495, Cl. 422-148.000.
- Evangelista, Donato D.; Horak, Eugene F.; and Winship, Bruce A., to Xerox Corporation. Feed roll cleaner for cleaning and renewing the frictional feeding surfaces of the sheet feed rolls in a copy reproducing machine or printer. 4,843,436, 6-27-89, Cl. 355-133.000.
- Evangelisti, Carlo J.; and Lumelsky, Leon, to International Business Machines Corporation. Color graphic processor for performing logical operations. 4,823,281, 4-18-89, Cl. 364-518.000.
- Evani, Syamalarao, to Dow Chemical Company, The. Enhanced oil recovery process using a hydrophobic associative composition containing a hydrophilic/hydrophobic polymer. 4,814,096, 3-21-89, Cl. 252-8.554.
- Evans, Alan G. R.; and Farooqui, Mohammed M., to Spectrol Reliance Limited. Method of producing a diaphragm on a substrate. 4,849,050, 7-18-89, Cl. 156-657.000.
- Evans, Alan G. R.; and Farooqui, Mohammed M., to Spectrol Reliance Limited. Method of producing filaments. 4,849,069, 7-18-89, Cl. 156-643.000.
- Evans, Alan G. R.; and Farooqui, Mohammed M., to Spectrol Reliance Limited. Method of forming a sealed diaphragm on a substrate. 4,849,071, 7-18-89, Cl. 156-644.000.
- Evans, Alfred J.; Chen, Grant K.; May, Dennis J.; and Brinson, Edward P., to Delaware Capital Formation, Inc. Continuously rotating platform with multiple mounted double clippers for continuously forming link product. 4,821,485, 4-18-89, Cl. 53-138.00A.
- Evans, Alfred J., to Delaware Capital Formation, Inc. Product discharge tray mechanism. 4,847,952, 7-18-89, Cl. 17-35.000.
- Evans, Alfred J.; and Dunigan, Clay R., to Delaware Capital Formation, Inc. Semi-automatic stuffing machine, casing brake and turret assembly. 4,847,953, 7-18-89, Cl. 17-35.000.
- Evans, Alfred J.; and Dunigan, R. Clay, to Delaware Capital Formation, Inc. Semi-automatic stuffing machine, casing brake and turret assembly. 4,887,332, 12-19-89, Cl. 17-35.000.
- Evans, Andrew L.; and Behr, Paul A. Water ski rack. 4,863,082, 9-5-89, Cl. 224-42.45R.
- Evans, Anthony C., to Kelsey-Hayes Company. Sliding caliper disc brake and brake shoe assembly therefor. 4,823,920, 4-25-89, Cl. 188-73.340.
- Evans, Anthony C.; and Last, Larry L., to Kelsey Hayes Company. Hydraulic disc brake drum-in-hat parking brake assembly. 4,854,423, 8-8-89, Cl. 188-70.00R.
- Evans, April J., to Amoco Corporation. Pyrethrum stabilization by inactivation of natural acetylenic impurities. 4,798,825, 1-17-89, Cl. 514-65.000.
- Evans, Ben E.; Freidinger, Roger M.; and Bock, Mark G., to Merck & Co., Inc. Benzodiazepine analogs. 4,820,834, 4-11-89, Cl. 540-504.000.
- Evans, Ben E.: *See—*
  - Boger, Joshua S.; Evans, Ben E.; and Bock, Mark G., 4,812,442, Cl. 514-18.000.
  - Freidinger, Roger M.; Evans, Ben E.; and Bock, Mark G., 4,847,248, Cl. 514-214.000.
- Evans, Benjamin F.; Haagen, Peter H.; and Pempsell, Paul J., to Tandy Corporation. Reconfigurable remote control transmitter. 4,825,200, 4-25-89, Cl. 341-23.000.
- Evans, Blair, to Microtouch Systems, Inc. Method of and apparatus for sensing the location, such as coordinates, of designated points on an electrically sensitive touch-screen surface. 4,806,709, 2-21-89, Cl. 178-19.000.
- Evans, Brian: *See—*
  - Dowle, Michael D.; Evans, Brian; and Clark, Peter, 4,833,153, Cl. 514-415.000.
- Evans, Charles W.: *See—*
  - Rice, Robert W.; Sweet, David H.; Evans, Charles W.; Wright, Gregory P.; Howlett, James J.; Lappos, Nicholas D.; and Johnston, Mark A., 4,817,046, Cl. 364-551.010.
- Evans, Daniel S.; and Hall, Lawrence P. Spring-free locking cable lock. 4,845,967, 7-11-89, Cl. 70-233.000.
- Evans, David A.; Flick, Christopher E.; and Sharp, William R., to DNA Plant Technology Corporation. Generation of somaclonal non-mendelian variants. 4,818,699, 4-4-89, Cl. 435-240.490.
- Evans, David A.; and Sjogren, Eric B., to President and Fellows of Harvard College. 3-trifuoromethylsulfonyloxy-substituted 1-carbacephalosporins as intermediates for antibiotics. 4,820,816, 4-11-89, Cl. 540-205.000.
- Evans, David A.; Flick, Christopher E.; and Sharp, William R., to DNA Plant Technology Corporation. Generation of somaclonal non-mendelian variants. 4,827,079, 5-2-89, Cl. 800-1.000.
- Evans, David A.; and Morrison, Robert A., to Campbell Soup Company. Tomato anther culture. 4,835,339, 5-30-89, Cl. 800-1.000.
- Evans, David A.; and Sjogren, Eric B., to President and Fellows of Harvard College. Intermediates for beta-lactam antibiotics. 4,870,169, 9-26-89, Cl. 540-229.000.
- Evans, David A.: *See—*
  - Sondahl, Maro R.; Evans, David A.; and Prioli, Laudenir, 4,810,649, Cl. 435-240.490.
- Evans, David H., to U.S. Philips Corporation. Patch antenna. 4,821,041, 4-11-89, Cl. 343-700.0MS.
- Evans, David H., to Westinghouse Electric Corp. Turbine blades having alternating resonant frequencies. 4,878,810, 11-7-89, Cl. 416-203.000.
- Evans, David L., to Northland/Scott & Fetzer Company, The. Vacuum motor fan cover. 4,808,090, 2-28-89, Cl. 417-423.200.
- Evans, David M. A.: *See—*
  - Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; and Almond, Jeffrey W., 4,810,491, Cl. 424-88.000.
  - Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; Almond, Jeffrey W.; and Ferguson, Morag, 4,857,634, Cl. 530-324.000.
- Evans, David M. W., to Leland Stanford Junior University, Board of Trustees of the. Digit-reversal method and apparatus for computer transforms. 4,823,297, 4-18-89, Cl. 364-725.000.
- Evans, David N.; Fairchild, Charles L.; Kramer, Karl C.; Spruill, John C.; Wansor, Gerard J.; and Wood, Robert W., to General Foods Corporation. Process for a non-clouding, concentrated tea extract. 4,797,293, 1-10-89, Cl. 426-330.300.
- Evans, David R.; and Harry, John E., to JECO$_2$ Lasers, Inc. Electric discharge apparatus. 4,866,728, 9-12-89, Cl. 372-88.000.
- Evans, David W.: *See—*
  - Ginsburg, Arthur P.; Evans, David W.; and Blauvelt, Kenneth, 4,800,404, Cl. 351-243.000.
- Evans, Derek N.: *See—*
  - Borthwick, David A.; Kirk, Barrie E.; Evans, Derek N.; Biggadike, Keith; and Stephenson, Leslie, 4,857,531, Cl. 514-262.000.
- Evans, Dix L.: *See—*
  - Harris, Lee M.; Evans, Dix L.; and Midwinter, Elizabeth A., 4,839,635, Cl. 340-752.000.
- Evans, Dolores G.; Evans, Doyle J.; and Graham, David Y., to Baylor College of Medicine. Process for preparation of high molecular weight cell-associated protein of campylobacter pylori and use for serological detection of campylobacter pylori infection. 4,882,271, 11-21-89, Cl. 435-7.000.
- Evans, Don M., to ASI Controls. Electronic control system with improved communications. 4,811,195, 3-7-89, Cl. 364-133.000.
- Evans, Donald: *See—*
  - Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whitlock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,859,513, Cl. 428-34.200.
  - Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whitlock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,880,701, Cl. 428-34.200.
  - Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whitlock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,888,222, Cl. 428-34.200.
- Evans, Donald L., to Decubitus, Inc. Controllably inflatable cushion. 4,864,671, 9-12-89, Cl. 5-453.000.
- Evans, Doyle J.: *See—*
  - Evans, Dolores G.; Evans, Doyle J.; and Graham, David Y., 4,882,271, Cl. 435-7.000.
- Evans, Elfed H.; and Knight, Peter C., to Lever Brothers Company. Spray drying of a detergent containing a porus crystal-growth-modified carbonate. 4,818,424, 4-4-89, Cl. 252-91.000.
- Evans, Elfed H.; and Knight, Peter C., to Lever Brothers Company. Process for the preparation of a granular detergent composition. 4,820,441, 4-11-89, Cl. 252-174.180.
- Evans, Elfed H.: *See—*
  - Blackburn, Stephen N.; Delwel, Francois; and Evans, Elfed H., 4,826,632, Cl. 252-550.000.
- Evans, Elizabeth L.; Gonchoroff, Nick J.; Greipp, Philip R.; Houck, David W.; Katzmann, Jerry A.; Kyle, Robert A.; and Loken, Michael R., to Becton, Dickinson and Company. Detection of cellular DNA. 4,885,237, 12-5-89, Cl. 435-6.000.
- Evans, Gail A.: *See—*
  - Koch, Frederick W.; Evans, Gail A.; Dorer, Casper J., Jr.; and Del Paggio, Alan A., 4,816,038, Cl. 44-68.000.
- Evans, Gareth A.: *See—*
  - Wilson, Geoffrey; and Evans, Gareth A., 4,870,243, Cl. 219-69.140.
- Evans, George L.; and De Vaux Kopyta, Deborah L., to Becton, Dickinson and Company. Selective medium for growth of neisseria. 4,814,276, 3-21-89, Cl. 435-253.600.
- Evans, Griffith S., to Scot, Incorporated. Initiator device with adiabatic compression ignition. 4,856,433, 8-15-89, Cl. 102-530.000.
- Evans, J. Richard, to Design 2000 Limited. Louver holder for vertical venetian blinds. 4,869,309, 9-26-89, Cl. 160-177.000.
- Evans, Jack L. Appliance leveling apparatus. 4,860,553, 8-29-89, Cl. 62-297.000.
- Evans, James: *See—*
  - Catsimpoolas, Nicholas; McCluer, Robert; Sinn, Robert S.; and Evans, James, 4,888,324, Cl. 514-25.000.
- Evans, James A.: *See—*
  - Brennan, Thomas J.; and Evans, James A., 4,873,461, Cl. 310-47.000.
- Evans, Jerald R.: *See—*
  - Lien, Sheue-Ling; Shantz, Michael J.; Evans, Jerald R.; Ergene, Serdar; and Carrie, Susan E., 4,855,935, Cl. 364-521.000.
- Evans, John A. Convertible tremolo apparatus for stringed musical instrument. 4,869,145, 9-26-89, Cl. 84-313.000.
- Evans, John C.; Campbell, Charles E.; and Blair, John E., to Kover-up, Inc. Insulating device for a beverage container. 4,802,602, 2-7-89, Cl. 220-85.00H.
- Evans, John F.: *See—*
  - Gladfelter, Wayne L.; Mantell, Daniel R.; Evans, John F.; and Schulze, Roland K., 4,832,986, Cl. 427-248.100.
- Evans, John G.; and Charczuk, Bogdan, to Paling Spring Limited. Cylinder attachment for elevating transporter. 4,823,896, 4-25-89, Cl. 180-24.010.
- Evans, John L., to Chrysler Motors Corporation. Vehicle integral speedometer and automatic door lock system. 4,821,836, 4-18-89, Cl. 180-289.000.
- Evans, John M.; and Stemp, Geoffrey, to Beecham Group p.l.c. Pyrrolidone-2 compounds and anti-hypertensive use thereof. 4,800,212, 1-24-89, Cl. 514-424.000.
- Evans, John M.; Stemp, Geoffrey; Nicholson, Charles D.; and Angersbach, Dieter, to Beecham Group p.l.c. Di/tetra-hydroquinolines. 4,808,619, 2-28-89, Cl. 514-278.000.
- Evans, John M., Stemp, Geoffrey; and Cassidy, Frederick, to Beecham Group p.l.c. Anti-hypertensive pyranopyridine compounds. 4,812,459, 3-14-89, Cl. 514-254.000.
- Evans, John R.: *See—*
  - Laviolette, Maurice A.; Evans, John R.; and Cheers, Brian, 4,827,847, Cl. 102-503.000.
- Evans, Jonathan M.: *See—*
  - Skidmore, R.; and Evans, Jonathan M., 4,807,636, Cl. 128-661.100.
- Evans, Joseph M.; and Moore, E. Rex, to Kinetic Technology, Inc. Chiropractic adjustor. 4,841,955, 6-27-89, Cl. 128-52.000.
- Evans, Joseph M., to Silicon Technology, Inc. Spray treatment apparatus for coke oven door structures. 4,844,105, 7-4-89, Cl. 134-57.00R.
- Evans, Kenneth S.: *See—*
  - Russell, Michael K.; and Evans, Kenneth S., 4,845,988, Cl. 73-516.00R.
- Evans, Kirk B. Traffic light change anticipation system. 4,827,258, 5-2-89, Cl. 340-929.000.
- Evans, Louis B.; and Smith, Daniel D., to Esselte Pendaflex Corporation. Mat board cutter with adjustable cutter-carrying body. 4,858,507, 8-22-89, Cl. 83-455.000.
- Evans, Mark A. Transmission cooling device. 4,848,453, 7-18-89, Cl. 165-44.000.
- Evans, Mark D.; Huntington, Gregory B.; Stewart, Robert L.; Wolf, Peter H.; and Zimmerer, Roger E., to Procter & Gamble Company, The. Articles and methods for treating fabrics. 4,808,086, 2-28-89, Cl. 427-242.000.
- Evans, Mark M.; and Kruchowy, Roman V., to United States of America, Navy. Magnetic amplifier housing and detector for an improved tamper alarm system. 4,866,426, 9-12-89, Cl. 340-568.000.
- Evans, Michael W.: *See—*
  - Bendixen, Arne B.; Bowen, William A.; Evans, Michael W.; Hurley, John J.; and Leslie, Samuel A., 4,890,315, Cl. 379-59.000.
- Evans, Mike: *See—*
  - Wraight, Peter D.; Marienbach, Edouard; Hache, Jean-Michel; Rhein-Knudsen, Erik; and Evans, Mike, 4,814,609, Cl. 250-254.000.
  - Wraight, Peter D.; Marienbach, Edouard; Hache, Jean-Michel; Rhein-Knudsen, Erik; and Evans, Mike, 4,879,463, Cl. 250-270.000.
- Evans, Neil L.; Tombolato, Aldo L.; Reynolds, Robert R.; and Meisner, Robert J., to Kraft, Inc. Lane adjusting apparatus for bottle guides. 4,880,104, 11-14-89, Cl. 198-445.000.
- Evans, Norval T. Tootbrush holder and dryer system. 4,845,859, 7-11-89, Cl. 34-107.000.
- Evans, Phillip H. Venting apparatus and method for cardiovascular pumping application. 4,834,707, 5-30-89, Cl. 604-122.000.
- Evans, Raymond D.: *See—*
  - Greenfield, Mark S.; Stiffler, Stephen P.; and Evans, Raymond D., 4,817,743, Cl. 175-411.000.
- Evans, Richard, III. Pet portal. 4,840,217, 6-20-89, Cl. 160-368.100.
- Evans, Richard A.: *See—*
  - McCanny, John V.; Evans, Richard A.; and McWhirter, John G., 4,833,635, Cl. 364-728.010.
  - McCanny, John V.; Evans, Richard A.; and McWhirter, John G., 4,885,715, Cl. 364-728.010.
- Evans, Richard C.; and Schell, William S., to Kally, Inc. Mail bag structure. 4,836,428, 6-6-89, Cl. 224-253.000.
- Evans, Richard P.: *See—*
  - Amundsen, Keith B.; Evans, Richard P.; Friess, Richard C.; Sooza, Robert J.; and Zink, Barry C., 4,825,435, Cl. 370-97.000.
- Evans, Robert B. Swim fin with flexible fin member having movable tips. 4,857,024, 8-15-89, Cl. 441-64.000.
- Evans, Robert D.; and Blezard, Robert C., to Amesbury Industries, Inc. Tufting process and apparatus for manufacturing weatherstripping. 4,849,270, 7-18-89, Cl. 428-85.000.
- Evans, Robert E.: *See—*
  - Doxsee, Leigh T.; Evans, Robert E.; and O'Toole, Michael P., 4,866,107, Cl. 523-153.000.
- Evans, Robert F. Nutational technique for limiting well bore deviation. 4,886,130, 12-12-89, Cl. 175-73.000.
- Evans, Robert G. High pressure drum testing apparatus and method. 4,852,392, 8-1-89, Cl. 73-41.200.
- Evans, Robert G.: *See—*
  - Schurr, Robert E., 4,852,238, Cl. 29-453.000.
- Evans, Robert S.; Latham, Wayne M.; Powers, Thomas; and Robertson, Michael O., to Babcock & Wilcox Company, The. Inspection method using magnetic particles in a liquid carrier in combination with electrical detection means. 4,859,943, 8-22-89, Cl. 324-216.000.
- Evans, Robert S.: *See—*
  - Coulter, John E.; Evans, Robert S.; and Robertson, Michael O., 4,858,462, Cl. 73-40.50A.
- Evans, Robert W., to Dailey Petroleum Services, Corp. Accelerator for fishing jar with hydrostatic assist. 4,844,183, 7-4-89, Cl. 175-296.000.
- Evans, Ronald M.; Palmiter, Richard D.; and Brinster, Ralph L., to Salk Institute for Biological Studies, The. Method of obtaining gene product through the generation of transgenic animals. 4,870,009, 9-26-89, Cl. 435-70.000.
- Evans, Russell M., III; Machek, James E.; and Cowan, Kevin P., to Medrad, Inc. Formed core catheter guide wire assembly. 4,854,330, 8-8-89, Cl. 128-772.000.
- Evans, Samuel, to Ciba-Geigy Corporation. Sulfur-containing compounds as antioxidants for lubricants and elastomers. 4,877,824, 10-31-89, Cl. 524-83.000.
- Evans, Samuel: *See—*
  - Meier, Hans R.; and Evans, Samuel, 4,828,741, Cl. 252-51.50R.
  - Stegmann, Werner; Meier, Hans R.; Evans, Samuel; Martin, Roger; and Luisoli, Reto, 4,874,885, Cl. 560-15.000.
- Evans, Silvia A.: *See—*
  - Newman, Thomas H.; Henton, David E.; and Evans, Silvia A., 4,880,554, Cl. 525-67.000.
- Evans, Stephen, to Delfilt Limited. Filter apparatus for slurry. 4,851,113, 7-25-89, Cl. 210-141.000.
- Evans, Steven; and Weber, Helmut, to Eastman Kodak Company. Alpha-cyano arylidene pyrazolone magenta dye-donor element for thermal dye transfer. 4,839,336, 6-13-89, Cl. 503-227.000.
- Evans, Steven; Weber, Helmut; and Diehl, Donald R., to Eastman Kodak Company. Pyrazolidinedione arylidene dye-donor element for thermal dye transfer. 4,853,366, 8-1-89, Cl. 503-227.000.
- Evans, Steven; and Weber, Helmut, to Eastman Kodak Company. Arylidene pyrazolone dye-donor element for thermal dye transfer. 4,866,029, 9-12-89, Cl. 503-227.000.
- Evans, Steven C. Fishing lure. 4,856,223, 8-15-89, Cl. 43-42.000.
- Evans, Stuart A.: *See—*
  - Shew, Jerry D.; and Evans, Stuart A., 4,870,891, Cl. 91-291.000.
- Evans, Susan A.: *See—*
  - Perlman, Michael E.; and Evans, Susan A., 4,810,631, Cl. 435-7.000.
- Evans & Sutherland Computer Corporation: *See—*
  - Dickson, Calvin M.; and Rushforth, Kevin C., 4,873,515, Cl. 340-728.000.
  - Robinson, John, 4,855,934, Cl. 364-521.000.
- Evans, Thomas L.; and Berman, Carol B., to General Electric Company. Cyclic polycarbonate oligomers: inhibition and control of polymerization to linear polycarbonates. 4,816,548, 3-28-89, Cl. 528-370.000.
- Evans, Thomas L.; and Berman, Carol B., to General Electric Company. Cyclic polycarbonate oligomers: inhibition and control of polymerization to linear polycarbonates. 4,831,001, 5-16-89, Cl. 502-153.000.

- Evans, Thomas L.; and Berman, Carol B., to General Electric Company. Cyclic polycarbonate oligomers: inhibition of polymerization to linear polycarbonates. 4,839,462, 6-13-89, Cl. 528-370.000.
- Evans, Thomas L.; and Wasserman, Carol B., to General Electric Company. Method of regulating the polymerization of cyclic polycarbonate with initiator and polyhydric phenol. 4,849,502, 7-18-89, Cl. 528-371.000.
- Evans, Thomas L.: *See—*
  - Takekoshi, Tohru; Anderson, Patricia P.; and Evans, Thomas L., 4,808,696, Cl. 528-353.000.
- Evans, Tony. Camouflage eyeglasses. 4,812,031, 3-14-89, Cl. 351-46.000.
- Evans, Vernon C.; and Heidinger, George H., to Peabody Coal Company. Switching and testing system. 4,841,159, 6-20-89, Cl. 307-38.000.
- Evans, Vernon C.; and Heidinger, George H., to Peabody Coal Company. Switching and testing system. 4,876,514, 10-24-89, Cl. 324-556.000.
- Evans, Walter R.; Remenicky, Joseph M.; Jasper, Thomas E.; and Ballard, Wayne W., to Sargent & Greenleaf, Inc. Electronic time lock. 4,875,351, 10-24-89, Cl. 70-271.000.
- Evans, Wayne E., to Shell Oil Company. Time effective method for preparing ferrierite. 4,795,623, 1-3-89, Cl. 423-328.000.
- Evans, Wayne E., to Shell Oil Company. Method of preparation of a combined ZSM-5-ferrierite aluminosilicate. 4,797,266, 1-10-89, Cl. 423-328.000.
- Evans, Wayne E.; and Stem, Stephen C., to Shell Oil Company. Isomerization process with recycle of mono-methyl-branched paraffins and normal paraffins. 4,804,802, 2-14-89, Cl. 585-734.000.
- Evans, Wayne E.: *See—*
  - Stem, Stephen C.; and Evans, Wayne E., 4,855,529, Cl. 585-737.000.
- Evans, Wendell K. Fireplace vacuum system. 4,807,590, 2-28-89, Cl. 126-242.000.
- Evans, William P., to Westinghouse Electric Corp. Architecture for high speed analog to digital converters. 4,862,171, 8-29-89, Cl. 341-156.000.
- Evans, William R.; Granitz, Richard F.; and Schmedding, George R., to AMP Incorporated. High density board to board interconnection system. 4,838,798, 6-13-89, Cl. 439-61.000.
- Evanson, Delbert L.: *See—*
  - Patrichi, Mihai D.; and Evanson, Delbert L., 4,860,698, Cl. 123-24.00R.
- Evanyk, Walter R.; Beber, Michael H.; Donaldson, Joel R.; Larsen, J. Orville; Adams, David G.; and Douglas, Michael W., to Spectradyne. Communications system for use in a hotel/motel. 4,829,560, 5-9-89, Cl. 379-106.000.
- EVAP, Inc.: *See—*
  - Masterson, James F., II, 4,866,951, Cl. 62-503.000.
- Evaporation, Inc.: *See—*
  - Files, James H.; Harrel, Donald M.; Montague, John M.; Stansbury Sr., Thomas L.; and Sikes, Carlton T., 4,836,891, Cl. 159-28.100.
- Evarts, Gerald L.: *See—*
  - Campbell, Donald H.; and Evarts, Gerald L., 4,889,773, Cl. 428-552.000.
  - Miller, George T.; and Evarts, Gerald L., 4,828,614, Cl. 106-1.220.
- Evasick, Edward J.: *See—*
  - Evasick, Robert J.; and Evasick, Edward J., 4,875,451, Cl. 123-435.000.
- Evasick, Robert J.; and Evasick, Edward J. Diesel tune up method. 4,875,451, 10-24-89, Cl. 123-435.000.
- Eveleigh, John William d.; and Kobos, Robert K., to Du Pont de Nemours, E. I., and Company. Enzyme immobilization and bioaffinity separations with perfluorocarbon polymer-based supports. 4,885,250, 12-5-89, Cl. 435-181.000.
- Even, Denis, to Labavia S.G.E. Assembly formed by an electromagnetic retarder and its electric supply means. 4,864,173, 9-5-89, Cl. 310-93.000.
- Even-or, Baruch; and Rauck, Robert L., to American Electronic Laboratories, Inc. Broadband electronic switch. 4,808,859, 2-28-89, Cl. 307-571.000.
- Even, P.: *See—*
  - Andrieu, J. M.; Even, P.; and Venet, Alain, 4,814,323, Cl. 514-11.000.
- Even, Uzi J.: *See—*
  - Thompson, James C.; Even, Uzi J.; and Kim, Chi-Woo, 4,839,511, Cl. 250-211.00R.
- Evenoak Limited: *See—*
  - Ciniglio, Alexander J., 4,832,247, Cl. 228-33.000.
- Evens, Georges G.; Tijssen, Johannes; and Coosemans, Luc M. C. Modified polyethylene, and products produced from modified polyethylene. 4,868,264, 9-19-89, Cl. 526-336.000.
- Evensen, Mark C., to International Business Machines Corp. Communications network routing and management system. 4,882,699, 11-21-89, Cl. 379-284.000.
- Eventide Inc.: *See—*
  - Paul, Jon D., 4,855,891, Cl. 363-56.000.
- Eventoff, Arnold T.; and Newman, Wyatt S., to North American Philips Corporation. Ultrasonic scanning device with elastic pumper. 4,841,978, 6-27-89, Cl. 128-660.090.
- Eventoff, Franklin N., to Interlink Electronics, Inc. Digitizer pad. 4,810,992, 3-7-89, Cl. 338-99.000.
- Ever Ready Limited: *See—*
  - Burton, Colin R.; and Davies, Philip, 4,800,472, Cl. 362-158.000.
- Everaerts, Frans M.: *See—*
  - Ogan, Kenneth; Everaerts, Frans M.; and Verheggen, Theo P. E. M., 4,816,123, Cl. 204-183.300.
- Everbloom Biotechnology Ltd.: *See—*
  - Tan, Kok-Kheng, 4,833,821, Cl. 47-1.100.
- Everbrite Electric Signs, Inc.: *See—*
  - Trame, Charles E., 4,827,644, Cl. 40-472.000.
- Everding, Richard J.: *See—*
  - Lancaster, David R.; and Everding, Richard J., 4,856,834, Cl. 294-15.000.
- Eveready Battery Company: *See—*
  - Biegger, Dennis, 4,879,187, Cl. 429-7.000.
  - Blomgren, George E.; and Leger, Violeta Z., 4,808,497, Cl. 429-194.000.
  - Georgopoulos, Philip; and Langkau, John, 4,855,195, Cl. 429-54.000.
  - Huhndorff, Harry R., 4,871,553, Cl. 429-61.000.
  - Jones, Steven D.; and Blomgren, George E., 4,839,249, Cl. 429-194.000.
  - Ledenican, Alan J., 4,818,641, Cl. 429-61.000.
- Everest & Jennings Canadian Limited: *See—*
  - Burrows, Donald L.; and Milne, Edward J., 4,799,562, Cl. 177-229.000.
- Everest Medical Corporation: *See—*
  - Noerenberg, Marc D.; and Stasz, Peter, 4,802,476, Cl. 128-303.140.
  - Stasz, Peter; Solberg, Jeffrey J.; and Grabinger, Scott R., 4,850,351, Cl. 128-303.140.
  - Stasz, Peter; Solberg, Jeffrey J.; and Grabinger, Scott R., 4,862,890, Cl. 128-303.140.
- Everest Minerals Corp.: *See—*
  - Mays, Wallace M., 4,825,944, Cl. 166-51.000.
- Everett, Benjamin H., II: *See—*
  - Beauch, Howard D.; Everett, Benjamin H., II; and Arndt, Frederick P., 4,805,476, Cl. 74-473.0SW.
- Everett, C. Joe: *See—*
  - Brandt, Charles M.; Denhoff, Donald P.; Everett, C. Joe; Murray, Donald F.; and Wilson, William H., 4,805,793, Cl. 215-10.000.
- Everett/Charles Contact Products, Inc.: *See—*
  - St. Onge, Gary F.; and McRay, Robert D., 4,814,698, Cl. 324-158.00F.
- Everett, Charles J., to Robertshaw Controls Company. Control device slide member therefor and methods of making the same. 4,816,797, 3-28-89, Cl. 337-314.000.
- Everett, Charles J.: *See—*
  - Sepso, Roger P.; and Everett, Charles J., 4,819,442, Cl. 62-187.000.
- Everett, Dennis: *See—*
  - Stojkov, Mark; Flanagan, Patrick M.; Hrdlicka, Victor; Geither, John; and Everett, Dennis, 4,872,190, Cl. 378-75.000.
- Everett, Dwight H.: *See—*
  - Braski, Michael T.; Everett, Dwight H.; Hamacher, John C.; Mueller, J. Samuel; Robusto, Paul F.; and Tilton, Richard A., 4,813,127, Cl. 29-825.000.
- Everett, Hobart R., Jr., to United States of America, Navy. Programmable near-infrared ranging system. 4,851,661, 7-25-89, Cl. 250-221.000.
- Everett, Hobart R., Jr., and Gilbreath, Gary A., to United States of America, Navy. Intelligent security assessment system. 4,857,912, 8-15-89, Cl. 340-825.300.
- Everett, James E.; and Tuhtan, Michael J. Collapsible table with foldable leg braces held straight by cables when top is open. 4,833,998, 5-30-89, Cl. 108-36.000.
- Everett, James W., to Sumitomo Electric Industries, Ltd. Double gimbal camlock installation assembly. 4,804,291, 2-14-89, Cl. 403-287.000.
- Everett, James W.; and Sadofsky, Frank, to Westinghouse Electric Corp. Tube plug tip restrainer apparatus. 4,823,846, 4-25-89, Cl. 138-89.000.
- Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., to Westinghouse Electric Corp. System for removing a plug from a heat exchanger tube. 4,829,660, 5-16-89, Cl. 29-727.000.
- Everett, Mark A., to Quantum Laser Corporation. Process for welding nickel-based superalloys. 4,804,815, 2-14-89, Cl. 219-121.600.
- Everett, Richard K.; and Henshaw, William F., to United States of America, Navy. Carbon fiber reinforced metal matrix composites. 4,853,294, 8-1-89, Cl. 428-614.000.
- Everett, William F., to South Bend Controls, Inc. Linear proportional solenoid. 4,835,503, 5-30-89, Cl. 335-229.000.
- Everex Ti Corporation: *See—*
  - Faulkerson, James L., 4,804,949, Cl. 340-710.000.
  - Faulkerson, James L.; Picard, Raymond L.; Menard, Edward J.; Bennett, Sanford M.; McCarthy, Timothy J.; Foden, Edwin S.; Gipe, Michael A.; Moluf, Allan A.; Jacobs, Michael W.; and Boatner Bruce E., 4,882,629, Cl. 358-464.000.
- Everhart, Cherie H.: *See—*
  - Goggans, Gary L.; Everhart, Cherie H.; Chester, Stephen O.; Frost, J. Eric; and Ozbirn, Monica V., 4,801,482, Cl. 428-68.000.
- Everhart, John J.: *See—*
  - Wilson, James F.; Koontz, Harry S.; Wagner, William E.; Everhart, John J.; Freeman, Glen E.; and Donley, Harold E., deceased, 4,831,493, Cl. 361-286.000.
- Everhart, Vaughn D.: *See—*
  - Corbett, Thomas J.; Everhart, Vaughn D.; and Smith, Michele A., 4,832,366, Cl. 280-808.000.
- EverHot Corporation: *See—*
  - Hurko, Bohdan, 4,808,793, Cl. 219-306.000.

- Everich, Robert C.: *See—*
  - Soares, George G.; Everich, Robert C.; and Payne, Jewel, 4,849,217, Cl. 424-93.000.
- Everill, N. Rooke, to Fini Enterprises, Inc. Process for making liquid ferric sulfate. 4,814,158, 3-21-89, Cl. 423-558.000.
- Everitt, George F.; Johnson, Terence P.; and Pham, Lien-Huong A., to Minnesota Mining and Manufacturing Company. Oxidation resistant alumina-silica articles containing silicon carbide and carbon. 4,798,814, 1-17-89, Cl. 501-89.000.
- Everman, E. Roger: *See—*
  - Handy, Steven W.; Everman, E. Roger; Bloom, Gordon N.; and Johnson, Bram B., 4,832,204, Cl. 209-3.300.
- Everman, Michael R., to AEC-ABLE Engineering Company, Inc. Self-driven nut and joinders incorporating it. 4,801,231, 1-31-89, Cl. 411-432.000.
- Everman, Michael R.: *See—*
  - Benton, Max D.; and Everman, Michael R., 4,834,561, Cl. 384-559.000.
- Everman, Wayne F.; King, Randy J.; and Russell, Raymond L., to Container Corporation of America. Container forming apparatus and method. 4,798,571, 1-17-89, Cl. 493-114.000.
- Everman, Wayne F., to Container Corporation of America. Apparatus for filling a lined container. 4,872,493, 10-10-89, Cl. 141-59.000.
- Everman, Wilburn D.: *See—*
  - Schwartz, Edward M.; Morgan, Robert E.; and Everman, Wilburn D., 4,881,471, Cl. 108-144.000.
- Everpure, Inc.: *See—*
  - Thomsen, Jack W.; Regunathan, Perialwar, and Tadlock, John W., 4,857,189, Cl. 210-232.000.
- Evers, Heinz, to Wiederaufarbeitungsanlage Karlsruhe Betriebsgesellschaft mbH. Tubular mixer-settler for liquid-liquid countercurrent extraction. 4,830,835, 5-16-89, Cl. 422-259.000.
- Evers, Heinz, to Wiederaufarbeitungsanlage Karlsruhe Betriebsgesellschaft mbH. Electrolytic tubular mixer-settler. 4,859,326, 8-22-89, Cl. 210-197.000.
- Evers, Johannes T., and Berenbak, Robertus G., to DSM Resins B.V. Crystalline unsaturated polyester and the preparation thereof. 4,839,438, 6-13-89, Cl. 525-440.000.
- Evers, Richard A.: *See—*
  - Ulinski, Richard J., Sr.; Clarke, Hugh C.; Evers, Richard A.; and Stevens, Richard N., 4,795,281, Cl. 400-74.000.
- Evers, Robert C., Abraham, Tonson; and Soloski, Edward J., to United States of America, Air Force. Acetylene terminated aromatic amide monomers. 4,845,286, 7-4-89, Cl. 564-154.000.
- Evers, Robert S., to Rol Screen Company. Slat shade operator. 4,850,416, 7-25-89, Cl. 160-188.000.
- Everson, Richard W., to Thermoid, Inc. Method of making a track broom bristle. 4,805,964, 2-21-89, Cl. 300-21.000.
- Everson, Richard W. Track broom bristle. 4,811,447, 3-14-89, Cl. 15-159.00A.
- Everson, William G., to Minnesota Automation, Inc. Vertical cartoning assembly and method. 4,802,324, 2-7-89, Cl. 53-398.000.
- Evert, Daniel D.: *See—*
  - Willey, Monroe J.; and Evert, Daniel D., 4,836,170, Cl. 206-609.000.
- Everts, Rudi: *See—*
  - Dewitz, Thomas S.; Turner, Louis H., III; Ploeg, Johannes E. G.; Van Kessel, Matheus M.; Scott, Andrew M.; and Everts, Rudi, 4,865,627, Cl. 55-20.000.
  - Salter, James A.; McCusker, James J.; Arbore, Charles M.; Dirkse, Hendricus A.; Everts, Rudi; Eckstein, Gunter; Scott, Andrew M.; and Terlouw, Teunis, 4,869,622, Cl. 406-119.000.
- Evertsen, Gary L. Shovel lifting aid. 4,881,332, 11-21-89, Cl. 37-285.000.
- Every, Peter: *See—*
  - Atkins, Thomas M.; Tuck, Brian C.; Fuller, Edward N.; and Every, Peter, 4,865,399, Cl. 303-116.000.
- Eves, E. Eugene, II, to Raytheon Company. Constant temperature fryer assembly. 4,882,984, 11-28-89, Cl. 99-404.000.
- Evett, Eric A.: *See—*
  - Wechsler, Susan L.; Evett, Eric A.; and Raby, Pamela F., 4,843,590, Cl. 364-900.000.
- EVG Entwicklungs-U. Verwertungs-Gesellschaft m.b.H.: *See—*
  - Ritter, Gerhard; and Ritter, Klaus, 4,860,999, Cl. 266-103.000.
  - Ritter, Klaus; Ritter, Gerhard; and Scherr, Rudolf, 4,853,511, Cl. 219-56.000.
  - Scherr, Rudolf; Ritter, Klaus; Ritter, Gerhard; and Ritter, Josef, 4,848,560, Cl. 198-429.000.
- Evitt, Eric R.: *See—*
  - Vasilevskis, Janis; Ridgway, Paul L.; and Evitt, Eric R., 4,847,421, Cl. 568-401.000.
- Evitts, Marcel A. Wood working template. 4,825,920, 5-2-89, Cl. 144-372.000.
- Evrard, William E. Compartmented cleaning bucket. 4,798,307, 1-17-89, Cl. 220-20.500.
- EVS Energie-Versorgungssysteme GmbH: *See—*
  - Welzel, Horst; and Faatz, Otto, 4,869,182, Cl. 110-346.000.
- Evseanko, Nicholas, Jr., to NYTD Industries Inc. Cutting tool assembly. 4,854,789, 8-8-89, Cl. 408-125.000.
- Evstafieva, Ellen A.: *See—*
  - Tsygankov, Anatoly S.; Kovalev, Igor N.; Voskresensky, Igor V.; Evstafieva, Ellen A.; and Rozhkov, Anatoly I., 4,844,552, Cl. 301-63.0DD.
- Evstatiev, Michail G.; Fakirov, Stoyko C.; and Schultz, Jerold M., to University of Delaware. Preparation of high-modulus, high-strength linear polycondensates. 4,842,789, 6-27-89, Cl. 264-101.000.
- Evyan, John J.; and Booth, Orville D., to Viskase Corporation. Burnished end shirred casing stick, method and apparatus. 4,873,748, 10-17-89, Cl. 17-49.000.
- Ewal Manufacturing Co., Inc.: *See—*
  - Aldridge, Lewis L., 4,875,404, Cl. 92-130.00A.
- Ewald, Frederick C.: *See—*
  - Walker, Peter S.; and Ewald, Frederick C., 4,822,362, Cl. 623-20.000.
  - Walker, Peter S.; and Ewald, Frederick C., 4,822,365, Cl. 623-20.000.
- Ewald, Herbert J., Jr. Waste removal apparatus. 4,806,237, 2-21-89, Cl. 210-169.000.
- Ewald, Jurgen; Frania, Josef; and Glogowschek, Roland, to WABCO Westinghouse Fahrzeugbremsen GmbH. Brake cylinder with bayonet connection. 4,887,513, 12-19-89, Cl. 92-63.000.
- Ewald, Nis-Friedrich: *See—*
  - Obrig, Hans W.; Wittkopp, Helmut; and Ewald, Nis-Friedrich, 4,866,642, Cl. 364-562.000.
- Ewald, Rolf V. T. Method and apparatus for manufacturing display comprising light-emitting diodes. 4,872,862, 10-10-89, Cl. 445-22.000.
- Ewald Witte & Co.: *See—*
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- Ewan, George B.: *See—*
  - Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; and Mitchell, William L., 4,822,881, Cl. 540-603.000.
  - Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; Mitchell, William L.; and Price, Barry J., 4,859,662, Cl. 514-212.000.
  - Humber, David C.; Coates, Ian H.; Bell, James A.; and Ewan, George B., 4,814,344, Cl. 514-397.000.
- Ewanich, Jon T.: *See—*
  - Byrne, Robert C.; Ewanich, Jon T.; and Yu, Chee-Men, 4,833,102, Cl. 437-218.000.
- Ewards, Christopher J.: *See—*
  - Burnham, Audrey R.; Ewards, Christopher J.; and Munn, Roger E., 4,884,828, Cl. 283-89.000.
- Ewart, Ron B. Photographic image data management system for a visual system. 4,878,183, 10-31-89, Cl. 364-521.000.
- Ewell, LuJack, to Solid State Systems, Inc. Unitary PCM rate converter and multiframe buffer. 4,805,171, 2-14-89, Cl. 370-110.100.
- Ewen, Alexander T. E.; and Hewitt, David A., to Glynwed Tubes & Fittings Limited. Method for moulding a thermoplastics member with a fusion pad. 4,806,181, 2-21-89, Cl. 156-64.000.
- Ewen, John F.: *See—*
  - Anderson, Carl J.; and Ewen, John F., 4,831,284, Cl. 307-450.000.
  - Culican, Edward F., Sr.; Davis, John D.; Ewen, John F.; Mc Cabe, Scott A.; Mosley, Joseph M.; Mullgrav, Allan L., Jr.; Noto, Philip F.; Peterson, Clarence I., Jr.; and Pritzlaff, Philip E., Jr., 4,833,425, Cl. 331-1.00A.
- Ewer, Peter R.; and Ellard, Jeffrey R., to International Rectifier Corporation. Semi-conductor modules. 4,853,762, 8-1-89, Cl. 357-79.000.
- Ewer, Ronald W., deceased; Scott, Dean G., legal representative; and O'Connor, Kevin D., to Pilkington Visioncare Holdings, Inc. Multifocal lens. 4,806,010, 2-21-89, Cl. 351-169.000.
- Ewerlof, Goran. Arrangement for controlling and regulating a liquid flowing through a line. 4,869,457, 9-26-89, Cl. 251-6.000.
- Ewers, Ronald L.; and McCombs, William F., to Emergency One, Inc. Fire truck with rear-mounted engine. 4,811,804, 3-14-89, Cl. 180-53.800.
- Ewert, Warren M.; Kubicek, Donald H.; and Drake, Charles A., to Phillips Petroleum Company. Catalyst support and catalyst for olefin dimerization. 4,810,688, 3-7-89, Cl. 502-174.000.
- Ewert, Warren M.; Kubicek, Donald H.; and Drake, Charles A., to Phillips Petroleum Company. Catalyst support, and catalyst for olefin dimerization. 4,876,410, 10-24-89, Cl. 585-516.000.
- Eweryd, Knut K. H. Sealing machine for glue-coated material in sheets. 4,826,475, 5-2-89, Cl. 493-10.000.
- Ewing, Carol A. Facial exercise method. 4,823,778, 4-25-89, Cl. 128-76.00B.
- Ewing, Daniel C.: *See—*
  - Herrick, Phillip R.; Ewing, Daniel C.; Wright, Floyd H.; and Truelove, Kevin M., 4,801,877, Cl. 324-158.0MG.
- Ewing, Donald L., to Forney International, Inc. Infrared flame detector adaptable for different fuels. 4,878,831, 11-7-89, Cl. 431-79.000.
- Ewing, James D.: *See—*
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- Ewing, James H., to MKS Instruments, Inc. Balanced solenoid valves. 4,796,854, 1-10-89, Cl. 251-129.070.
- Ewing, Joan R.: *See—*
  - Epstein, Arthur J.; Ewing, Joan R.; and Swift, Joseph A., 4,841,099, Cl. 174-68.500.
- Ewing, Joseph. Collapsible crutch. 4,869,280, 9-26-89, Cl. 135-69.000.
- Ewing, Lloyd: *See—*
  - Schmit, Frank L.; Redmon, David T.; and Ewing, Lloyd, 4,889,620, Cl. 210-137.000.
- Ewing, Paul C.: *See—*
  - Dawson, Thomas F.; and Ewing, Paul C., 4,878,315, Cl. 51-165.00R.
- Ewing, Richard C.; Kuczewski, Walter V.; and Thurber, Gerald A., to Baader North America Corporation. Separating apparatus with wobbling take-up roller. 4,819,811, 4-11-89, Cl. 209-699.000.
- Ewing, Richard C.; and De Jesus, Vincent, to Baader North America Corporation. Snaggle for removing intestinal fragment of a fish. 4,827,571, 5-9-89, Cl. 17-54.000.

- Ewing, Richard C., to Baader North America Corporation. Apparatus for processing fish. 4,882,811, 11-28-89, Cl 17-58.000.
- Ewing, Ronald J.: *See—*
  - LaBarge, Robert L.; and Ewing, Ronald J., 4,836,705, Cl 403-282.000.
- Ewing, Sheldon M.: *See—*
  - Tuttle, John E.; and Ewing, Sheldon M., 4,875,599, Cl 221-231.000.
- Ewing, William S.: *See—*
  - Kerr, Paul R.; Pettit, Paul H., Jr.; and Ewing, William S., 4,889,890, Cl 525-113.000.
- Ewy, Robert J.; and Burrell, Gary L., to Allied-Signal Inc. Differentially coupled dual channel actuator. 4,834,319, 5-30-89, Cl 244-75.00R.
- Ex-Cell-O Corporation: *See—*
  - Check, John M.; Clayton, William L., Jr.; Fitts, Frederick L.; and Walser, Thomas D., 4,814,573, Cl 219-69.00E.
  - Farris, John R., 4,841,725, Cl 60-261.000.
  - Halvorsen, Robert M.; Bradley, Jerome R.; and Long, Gregory F., 4,831,700, Cl 29-156.70R.
  - Preston, Frank J., 4,874,565, Cl 264-37.000.
  - Rhodes, Richard D., Jr.; and Preston, Frank J., 4,806,094, Cl 425-543.000.
- Exabyte Corporation: *See—*
  - Georgis, Steven P.; Beavers, Kelly J.; and Haugland, Steve E., 4,843,495, Cl 560-77.150.
  - Georgis, Steven P.; Rodriguez, Juan A.; and Pisciotta, E. Christopher. 4,845,577, Cl 360-72.200.
  - Hinz, Harry C.; and Zook, Christopher P., 4,835,628, Cl 360-48.000.
  - Zook, Christopher P., 4,845,713, Cl 371-37.000.
  - Zook, Christopher P., 4,845,714, Cl 371-50.000.
- Exar Corporation: *See—*
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- Exarhos, Gregory J.: *See—*
  - Pederson, Larry R.; Chick, Lawrence A.; and Exarhos, Gregory J., 4,880,772, Cl 505-1.000.
- Excel Corporation: *See—*
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- Excel Industries, Inc.: *See—*
  - Frey, Robert A.; Woods, Gail E.; and Schmuck, Leroy C., 4,889,175, Cl 160-90.000.
- Excelermatic Inc.: *See—*
  - Kraus, Charles E.; and Lohr, Charles B., 4,800,853, Cl 123-193.0CP.
  - Kraus, Charles E., 4,830,578, Cl 417-223.000.
  - Kraus, Charles E., 4,846,008, Cl 74-798.000.
  - Kraus, Charles E., 4,858,484, Cl 74-200.000.
  - Kraus, Charles E., 4,885,955, Cl 74-691.000.
- Excello Specialty Company, The: *See—*
  - Ferro, Salvatore D.; Isaksen, Robert A.; and Stupi, Robert J., 4,865,791, Cl 264-134.000.
  - Jones, Wallace R.; Isaksen, Robert A.; and Krieger, Paul A., 4,859,512, Cl 428-40.000.
  - Jones, Wallace R.; and Isaksen, Robert A., 4,873,132, Cl 428-80.000.
- Excellon Industries: *See—*
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- Executive Fit, Inc.: *See—*
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- Executive Technical Services, Inc.: *See—*
  - Garrett, James R., 4,887,189, Cl 362-23.000.
- Exel, Christian. Throwing game apparatus. 4,832,348, 5-23-89, Cl 273-344.000.
- Exel Microelectronics Incorporated: *See—*
  - Goetting, Erich, 4,812,675, Cl 307-443.000.
  - Goetting, Erich, 4,866,432, Cl 340-825.840.
  - Mukherjee, Satyen; and Chang, Thomas, 4,868,619, Cl 357-23.500.
- Exergen Corporation: *See—*
  - Paulk, Raymond C.; and Pompei, Francesco, 4,831,258, Cl 250-349.000.
  - Pompei, Francesco; and Burke, Michael W., 4,874,253, Cl 374-121.000.
- Exfluor Research Corporation: *See—*
  - Bierschenk, Thomas R.; Juhlke, Timothy J.; and Lagow, Richard J., 4,859,747, Cl 525-409.000.
  - Juhlke, Timothy J.; Bierschenk, Thomas R.; and Lagow, Richard J., 4,803,005, Cl 252-58.000.
  - Lagow, Richard J.; Bierschenk, Thomas R.; and Juhlke, Timothy J., 4,827,042, Cl 568-603.000.
- Exhibitronix: *See—*
  - Farhat, Jon A., 4,825,136, Cl 318-568.100.
- Exmark Manufacturing Company, Incorporated: *See—*
  - Busboom, Garry W.; and Rogge, Gary L., 4,878,681, Cl 280-32.700.
- Exner, Fritz; Hagena, Detlef; Hopp, Rudolf; Nienhaus, Jurgen; and Gottsch, Wilhelm, to Haarmann & Reimer GmbH. Scents, and scent compositions containing them. 4,814,322, 3-21-89, Cl 512-25.000.
- Exner, Rainer: *See—*
  - Cornelius, Klaus; and Exner, Rainer, 4,848,494, Cl 177-259.000.
  - Cornelius, Klaus; and Exner, Rainer, 4,856,605, Cl 177-210.00R.
- Exothermics-Eclipse Inc.: *See—*
  - McKenna, Bruce A., 4,852,640, Cl 165-47.000.
- Exovir, Inc.: *See—*
  - Powell, Maxwell M., 4,822,605, Cl 424-85.200.
- Experimentalny nauchno-issledovatelsky institut kuznechno-pressovogo mashinostroenia "ENIKMASH": *See—*
  - Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl 72-454.000.
- Expert Maschinenbau GmbH: *See—*
  - Moller, Reinfried, 4,795,021, Cl 198-346.100.
- Expert System Technologies, Inc., The: *See—*
  - Tornberg, Neal E., 4,856,335, Cl 73-597.000.
- Expertek, Inc.: *See—*
  - Gates, Donald C., 4,854,158, Cl 73-45.500.
  - Gates, Donald C., 4,862,731, Cl 73-40.700.
- Explosives Technologies International Inc.: *See—*
  - Yunan, Malak E., 4,799,428, Cl 102-322.000.
- Exploweld AB: *See—*
  - Persson, Anne-Therese, 4,867,369, Cl 228-107.000.
  - Persson, Ingemar, 4,809,902, Cl 228-107.000.
- Exportech Company, Inc.: *See—*
  - Oder, Robin R., 4,830,634, Cl 44-51.000.
- Express Foods Group Limited: *See—*
  - Bottomley, Robin C.; Colvin, Robert D.; and Van Blanton, Madson, 4,888,184, Cl 426-41.000.
- Extel Corporation: *See—*
  - Berg, Joseph F.; Chalupa, Rudolf P.; and Pokala, Prabhakar. 4,850,008, Cl 379-93.000.
  - Wonak, Daniel C.; Butz, Steven J.; and Miller, William A., II. 4,839,802, Cl 364-200.000.
- Extramet Industrie S.A.: *See—*
  - Chaleat, Bernard; and Vaxelaire, Philippe, 4,818,279, Cl 75-0.50C
- Extrel Corporation: *See—*
  - Fite, Wade L.; and Ketkar, Suhas N., 4,814,613, Cl 250-292.00
- Extrema Systems International Corporation: *See—*
  - Denker, Roger H.; and Visser, Arie, 4,819,199, Cl 364-807.00
  - Visser, Arie, 4,860,356, Cl 381-41.000.
- Extrude Hone Corporation: *See—*
  - Gilmore, James R., 4,870,743, Cl 29-568.000.
- Extrusion Punch & Tool Co.: *See—*
  - Reilly, Bernard J.; and Michels, Roger, 4,840,556, Cl 425-543.00
- Exxon Chemical Patents Inc.: *See—*
  - Ahner, Mary E., 4,810,574, Cl 428-355.000.
  - Ahner, Mary E., 4,853,432, Cl 524-274.000.
  - Brois, Stanley J., 4,867,753, Cl 44-71.000.
  - Cartasegna, Silvestro, 4,883,840, Cl 525-146.700.
  - Chang, Main, 4,814,310, Cl 502-107.000.
  - Chapman, Brenda S.; Sharon, James W.; and Shuler, Charles M., 4,844,958, Cl 428-36.100.
  - Chen, Frank J.; Emert, Jacob; Lundberg, Robert D.; and Giffin, Gregory C., 4,849,572, Cl 585-525.000.
  - Chow, Wai Y.; and McAlpin, James J., 4,801,630, Cl 524-5.00
  - Chung, David Y., 4,803,003, Cl 252-51.50A.
  - Cleverley, John A., 4,797,217, Cl 252-42.700.
  - Cohen, Abraham D.; Diana, William D.; and Baiel, James J., 4,876,403, Cl 568-913.000.
  - Colclough, Terence, 4,859,353, Cl 252-46.300.
  - Datta, Sudhin; and Ouhadi, Trazollah, 4,808,387, Cl 423-265.00
  - Datta, Sudhin; and Ouhadi, Trazollah, 4,871,523, Cl 423-265.00
  - Dickakian, Ghazi B., 4,849,361, Cl 436-2.000.
  - Dickakian, Ghazi B., 4,853,337, Cl 436-55.000.
  - Dickakian, Ghazi B., 4,883,581, Cl 208-48.00R.
  - Domine, Joseph D.; and Buchner, Anton J., 4,888,391, C 525-221.000.
  - Dunn, Adrian, 4,842,755, Cl 252-32.70E.
  - Emert, Jacob; Waddoups, Malcolm; and Lundberg, Robert D., 4,863,624, Cl 252-51.50A.
  - Gutierrez, Antonio; and Kleist, Robert A., 4,839,070, Cl 25 51.50A.
  - Gutierrez, Antonio; Lundberg, Robert D.; Kleist, Robert A.; and Bloch, Ricardo, 4,839,071, Cl 252-51.50A.
  - Gutierrez, Antonio; and Kleist, Robert A., 4,839,072, Cl 25 51.50A.
  - Gutierrez, Antonio; Emert, Jacob; Kleist, Robert A.; and Waddoups, Malcolm, 4,839,073, Cl 252-51.50A.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,857,217, C 252-47.000.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,135, C 525-285.000.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,139, C 525-333.700.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,140, C 525-333.700.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,141, C 525-333.700.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,142, C 525-333.700.
  - Gutierrez, Antonio; Lundberg, Robert D.; and Colcord-Hernandez, Laura J., 4,870,197, Cl 556-114.000.
  - Guttierrez, Antonio; and Ryer, Jack, 4,797,219, Cl 252-56.00D.
  - Halasz, Andrew; Spinelli, Giuseppe; and Doolittle, David H., 4,878,950, Cl 106-273.100.
  - Hazelton, Donald R.; and Hodgson, William J., Jr., 4,804,577, C 428-224.000.
  - Hazelton, Donald R.; and Shulman, Cindy B., 4,857,409, C 428-494.000.

  - Hazelton, Donald R.; and Hodgson, William J., Jr., 4,874,447, Cl 156-167.000.
  - Hazelton, Donald R.; Laurent, Douglas J.; Locke, Lawrence K.; and Hodgson, William J., Jr., 4,880,682, Cl 428-152.000.
  - Hodgson, William J., Jr.; and Middlesworth, Jeffrey A., 4,820,590, Cl 428-516.000.
  - Hoel, Elvin L., 4,871,705, Cl 502-117.000.
  - Kresge, Edward N.; and Hazelton, Donald R., 4,803,035, Cl 264-519.000.
  - Laus, Guy G., 4,798,602, Cl 604-372.000.
  - Lewtas, Kenneth; and Brois, Stanley J., 4,810,262, Cl 44-70.000.
  - Lohkamp, Dwight T., 4,822,546, Cl 264-143.000.
  - Lundberg, Robert D.; and Gutierrez, Antonio, 4,820,432, Cl 252-51.50A.
  - Lundberg, Robert D.; and Gutierrez, Antonio, 4,828,742, Cl 252-51.50R.
  - Marchal, Jean, 4,832,747, Cl 106-277.000.
  - Marsh, John F.; and Cleverley, John A., 4,839,094, Cl 252-42.700.
  - McAlpin, James J.; and Chow, Wai Y., 4,861,812, Cl 524-3.000.
  - McElrath, Kenneth O.; Robertson, Martha L.; and Chow, Wai Y., 4,839,422, Cl 525-74.000.
  - McGlathery, Mark S., 4,871,022, Cl 166-300.000.
  - Robinson, Peter M.; Raby, Philip D.; and Van-Det, Nguyen, 4,845,138, Cl 524-112.000.
  - Rossi, Albert; Szykowski, John P.; and Tack, Robert D., 4,826,615, Cl 252-56.00R.
  - Rossi, Albert; Tack, Robert D.; Lewtas, Kenneth; and Alves, Jose, 4,839,074, Cl 252-56.00D.
  - Saleh, Ramzi Y.; and Wachs, Israel E., 4,814,317, Cl 502-350.000.
  - Saleh, Ramzi Y.; and Wachs, Israel E., 4,831,164, Cl 549-239.000.
  - Scheller, Andor; Le Grange, Gerald A.; and Luker, Norman E., 4,848,564, Cl 206-83.500.
  - Stella, Giandomenico, 4,882,386, Cl 525-133.000.
  - Tack, Robert D.; Pearce, Sarah L.; and Rossi, Albert, 4,810,260, Cl 44-62.000.
  - Tack, Robert D.; and Pearce, Sarah L., 4,863,486, Cl 44-62.000.
  - Tack, Robert D.; Andrews, Rodger F.; and Ayres, Sally J., 4,874,394, Cl 44-70.000.
  - Tack, Robert D.; and Lewtas, Kenneth, 4,882,034, Cl 208-15.000.
  - Turrie, Bruce D., 4,852,053, Cl 364-151.000.
  - Vanhaeren, Gerard M., 4,855,382, Cl 528-45.000.
  - Ver Strate, Gary; Bloch, Ricardo; Struglinski, Mark J.; Johnston, John E.; and West, Roger K., 4,804,794, Cl 585-12.000.
  - Welborn, Howard C., Jr., 4,808,561, Cl 502-104.000.
  - Yezrielev, Albert I.; Romanelli, Michael G.; and Wellman, William E., 4,855,369, Cl 526-320.000.
  - Young, David A.; Jones, Larry O.; and Campione, Troy J., 4,855,525, Cl 585-523.000.
  - Young, David A.; Vaughan, David E.; Pruett, Roy L.; and Tunison, Mafer E., 4,855,528, Cl 585-531.000.
- Exxon Production Research Company: *See—*
  - Abrams, Philip L., 4,830,540, Cl 405-216.000.
  - Adorjan, Alexander S., 4,826,354, Cl 405-158.000.
  - Becker, David F.; Chen, Sen-Tsuen; Perelberg, Azik I.; and Winbow, Graham A., 4,832,148, Cl 181-104.000.
  - Berryhill, John R.; and Wride, John C., 4,803,668, Cl 367-72.000.
  - Bishop, Glen W.; and Hornbostel, Scott C., 4,809,238, Cl 367-46.000.
  - Chen, Andrie C., 4,828,431, Cl 405-217.000.
  - Chen, Patrick C., 4,868,883, Cl 382-1.000.
  - Davenport, George F.; Finn, Lyle D.; and Burns, Jerome Q., 4,810,135, Cl 405-224.000.
  - Galloway, Jimmie G.; Kelley, Lonny R.; Ehrhardt, Mark E.; and Fowler, Tracy A., 4,846,780, Cl 494-3.000.
  - Greebe, Frans, 4,800,921, Cl 137-561.00A.
  - Gunderson, Richard H., 4,881,852, Cl 405-224.000.
  - Hughes, Philip A., 4,882,713, Cl 367-47.000.
  - Johnson, Dale V.; Burkhardt, Joseph A.; and Childers, Thomas W., 4,858,694, Cl 166-355.000.
  - Konak, A. Riza; and Bridle, Michael K., 4,869,830, Cl 210-708.000.
  - Kostelnicek, Richard J.; and Montes, Raul R., 4,879,696, Cl 367-76.000.
  - Kroeger, Michael K.; Longo, John M.; Steiger, Ronald P.; and Leung, Peter K., 4,876,512, Cl 324-376.000.
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  - Montes, Raul R.; and Kostelnicek, Richard J., 4,807,200, Cl 367-76.000.
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  - Russell, Larry R.; and Corbett, Kevin T., 4,796,670, Cl 138-110.000.
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  - Young, Dewey R.; and Duren, Richard E., 4,835,745, Cl 367-56.000.
  - Young, Dewey R.; and Swenson, Richard C., 4,870,625, Cl 367-16.000.
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- Exxon Research & Engineering Company: *See—*
  - Alexander, A. Gordon, 4,822,505, Cl 252-32.70E.
  - Allan, David E.; and Blaser, Don E., 4,816, 36, Cl 208-127.000.
  - Austin, Richard G.; Michaelson, Robert C.; and Myers, Richard S., 4,824,969, Cl 549-230.000.
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  - Bellows, Richard J.; and Kantner, Edward, 4,818,642, Cl 429-105.000.
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  - Black, Laura E., 4,802,987, Cl 210-640.000.
  - Black, Laura E.; and Wan, Wan-Kei, 4,857,201, Cl 210-655.000.
  - Black, Laura E., 4,885,096, Cl 210-640.000.
  - Bock, Jan; Valint, Paul L.; and Jacques, Donald F., 4,831,092, Cl 526-209.000.
  - Bortinger, Arie; Maggio, Robert A.; and Pieters, Wim J. M., 4,804,800, Cl 585-640.000.
  - Bortinger, Arie; Pieters, Wim; and Suciu, Elena N., 4,851,605, Cl 585-640.000.
  - Boyle, Joseph P., 4,872,970, Cl 208-140.000.
  - Bradley, John S.; and Hill, Ernestine W., 4,857,492, Cl 502-117.000.
  - Brois, Stanley J.; and Gutierrez, Antonio, 4,851,524, Cl 540-474.000.
  - Brois, Stanley J.; and Gutierrez, Antonio, 4,866,187, Cl 549-320.000.
  - Brois, Stanley J.; and Gutierrez, Antonio, 4,880,923, Cl 540-471.000.
  - Cahn, Robert P.; and Hurst, Boyd E., 4,853,193, Cl 423-235.000.
  - Chianelli, Russell R.; and Pecoraro, Theresa A., 4,826,797, Cl 502-221.000.
  - Chiang, Long Y.; and Bloch, Aaron N., 4,803,006, Cl 252-62.510.
  - Chiang, Long Y., 4,833,232, Cl 528-423.000.
  - Chiang, Long Y., 4,880,907, Cl 528-423.000.
  - Chung, Tze-Chiang, 4,812,529, Cl 525-326.100.
  - Chung, Tze-Chiang, 4,877,846, Cl 525-369.000.
  - Clem, Kenneth R.; Heider, Kenneth J.; Kegerreis, James E.; and Shoukry, Ehsan I., 4,872,967, Cl 208-65.000.
  - Cody, George D.; Joseph, Craig A.; Sela, Uri; and Baker, Charles L., 4,824,016, Cl 239-8.000.
  - Cody, George D.; Elzinga, Eugene R., Jr.; Callegari, Andrew J.; and Cohen, Roger W., 4,877,488, Cl 201-1.000.
  - Corman, Blaine G.; Korbach, Paul F.; and Webber, Kenneth M., 4,801,373, Cl 208-210.000.
  - Cozewith, Charles; Ju, Shiaw; and Verstrate, Gary W., 4,874,820, Cl 525-240.000.
  - Cozewith, Charles; Ju, Shiaw; and Verstrate, Gary W., 4,882,406, Cl 526-336.000.
  - Davis, Lester W., Jr.; Geosits, John P.; Juedes, Dennis L.; and Kiczek, Edward F., 4,859,173, Cl 431-175.000.
  - Dunsmuir, John H.; Deckman, Harry W.; and McHenry, James A., 4,801,476, Cl 427-430.100.
  - Duvdevani, Ilan; Manalastas, Pacifico V.; and Drake, Evelyn N., 4,801,498, Cl 428-334.000.
  - Eidt, Clarence M., Jr.; Aldrige, Clyde L.; and Bearden, Roby, Jr., 4,882,036, Cl 208-50.000.
  - Feimer, Joseph L.; Koenitzer, Bernd A.; and Schucker, Robert C., 4,828,773, Cl 264-45.500.
  - Feimer, Joseph L.; Koenitzer, Bernd A.; and Schucker, Robert C., 4,879,044, Cl 210-654.000.
  - Flannery, Brian P.; Deckman, Harry W.; Eisenberger, Peter M.; and Roberge, Wayne G., 4,833,698, Cl 378-19.000.
  - Goetsch, Duane A.; and Say, Geoffrey R., 4,877,550, Cl 252-373.000.
  - Goetsch, Duane A.; Say, Geoffrey R.; Vargas, Jose M.; and Eberly, Paul E., 4,888,131, Cl 252-373.000.
  - Goldblatt, Irwin L.; and Shaub, Harold, 4,801,391, Cl 252-32.70E.
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  - Habeeb, Jacob J.; and May, Christopher J., 4,867,892, Cl 252-42.700.
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  - Hazelton, Donald R.; Puydak, Robert C.; and Booth, D. A., 4,845,145, Cl 524-426.000.
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  - Iglesia, Enrique; Soled, Stuart L.; and Fiato, Rocco A., 4,822,824, Cl 518-709.000.
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  - Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,812,227, Cl 208-215.000.
  - Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,824,820, Cl 502-219.000.
  - Kitano, Kissho; Duvdevani, Ilan; and Schulz, Donald N., 4,880,436, Cl 44-7.300.
  - Kresge, Edward N.; and Hazelton, Donald R., 4,822,545, Cl 264-141.000.

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    Zimmerman, Abraham A.; and Vardi, Joseph, 4,810,263, C 44-72.000.
    Zimmerman, Abraham A.; Canton, Geoffrey A.; Siegel, Joel R. and Vardi, Joseph, 4,836,829, Cl. 44-53.000.
Eyb, Wolfgang, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Rota able top for a passenger car. 4,819,982, 4-11-89, Cl. 296-107.000.
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    Nordholm, Ken; and Eyers, Bud, 4,884,067, Cl. 340-686.000.
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Eylers, Dieter; and Bamberger, Hans, to Gottlieb Roll GmbH & C Pocket clip for writing instruments. 4,797,982, 1-17-89, Cl. 24-11.00R.
Eylon, Daniel; and Froes, Francis H., to United States of America, Ar Force. Method to produce metal matrix composite articles from lea metastable beta titanium alloys. 4,807,798, 2-28-89, Cl. 228-190.00
Eylon, Daniel; and Froes, Francis H., to United States of America, Ar Force. Method for making an integral titanium alloy article having a least two distinct microstructural regions. 4,808,249, 2-28-89, C 148-133.000.
Eylon, Daniel; and Froes, Francis H., to United States of America, Ar Force. Method to produce metal matrix composite articles from nc metastable-beta titanium alloys. 4,809,903, 3-7-89, Cl. 228-194.00
Eylon, Daniel; Froes, Francis H.; and Yolton, Charles F., to Unite States of America, Air Force. Method for developing ultrafine micro structures in titanium alloy castings. 4,820,360, 4-11-89, C 148-133.000.
Eylon, Daniel; and Froes, Francis H., to United States of America, Ar Force. Method to produce titanium metal matrix composites wi improved fracture and creep resistance. 4,822,432, 4-18-89, C 148-127.000.
Eylon, Daniel; and Froes, Francis H., to United States of America, Ar Force. Method for refining microstructures of prealloyed titaniu powder compacts. 4,832,760, 5-23-89, Cl. 148-20.300.
Eylon, Daniel; and Froes, Francis H., to United States of America, Ar Force. Method of making titanium alloy articles having dista microstructural regions corresponding to high creep and resistance. 4,851,055, 7-25-89, Cl. 148-20.300.
Eylon, Daniel, and Savage, Steven J., to United States of America, Ar Force. System for making centrifugally cooling metal powde 4,869,469, 9-26-89, Cl. 266-202.000.
Eylon, Daniel; Froes, Francis H.; and Yolton, Charles F., to Unite States of America, Air Force. Method for improving the microstru ture of titanium alloy wrought products. 4,872,927, 10-10-89, C 148-20.300.
Eylon, Daniel: *See—*
    Froes, Francis H.; and Eylon, Daniel, 4,808,250, Cl. 148-20.30
    Froes, Francis H.; and Eylon, Daniel, 4,828,793, Cl. 419-6.00
    Froes, Francis H.; and Eylon, Daniel, 4,851,053, Cl. 148-11.50F
Eyngorn, Jacob. Lighted sign. 4,862,613, 9-5-89, Cl. 40-546.000.
Eyquem: *See—*
    Matesco, Michel, 4,803,395, Cl. 313-141.000.
Eyraud, Marcel, to Rhone-Poulenc Films. Stretched, composite polye ter films usable particularly for graphic arts. 4,840,836, 6-20-89, C 428-213.000.
Eyraud, Marcel: *See—*
    Miquel, Huquette; and Eyraud, Marcel, 4,820,583, Cl. 428-333.00
    Miquel, Huquette; and Eyraud, Marcel, 4,828,918, Cl. 428-333.00
Eyre, Clarence W.; and Stevens, William E. Knock-down wardro cabinet. 4,859,008, 8-22-89, Cl. 312-257.100.
Eyre, Douglas V., to Liquid Air Engineering Corporation. Cryoge gas purification process and apparatus. 4,867,772, 9-19-89, C 62-24.000.
Eyring Research Institute, Inc.: *See—*
    Biddulph, Stuart, 4,861,289, Cl. 439-792.000.
    Grose, Brian L.; and Skousen, Orval N., 4,825,224, Cl. 343-660.00
    Losee, Ferril A., 4,829,310, Cl. 343-719.000.
    Losee, Ferril A., 4,839,661, Cl. 343-719.000.
Eyssa, Yehia M., to Wisconsin Alumni Research Foundation. Elect magnetic projectile launching system. 4,796,511, 1-10-89, C 89-8.000.

Eyuboglu, Vedat M., to Codex Corporation. Coded modulation system using interleaving for decision-feedback equalization. 4,833,693, 5-23-89, Cl. 375-34.000.
EZ Designer, Inc.: *See—*
    Pedersen, Chris S.; and Merkel, Sue M., 4,806,102, Cl. 434-80.000.
EZ Paintr Corporation: *See—*
    Brezette, Michael W.; Schaffer, Robert A.; Burns, Fredrick B.; and Moon, Howard R., 4,829,623, Cl. 15-246.000.
    O'Neil, Robert A.; Clouser, Leon; Park, Insoon; and Milas, Victor, 4,815,604, Cl. 206-518.000.
    Radocha, Michael J.; and Jarecki, James J., 4,813,535, Cl. 206-44.120.
Ezaki, Atsuo: *See—*
    Sakamoto, Eiichi; Kaneko, Yutaka; Ninomiya, Hidetaka; Kamio, Takashi; Ezaki, Atsuo; Akamatsu, Hideo; and Haraga, Hideaki, 4,871,658, Cl. 430-551.000.
Ezaki, Hiroshi; Kobayashi, Yoneji; and Iida, Katsumi, to Bridgestone Corporation. Golf club set. 4,874,171, 10-17-89, Cl. 273-77.00A.
Ezaki, Joichiro, and Kanai, Hiroshi, to TDK Corporation. Thin film magnetic head having solder-bonded protective plate. 4,797,765, 1-10-89, Cl. 360-110.000.
Ezaki, Joichiro; and Fukuda, Kazumasa, to TDK Corporation. Vertical magnetic recording system using rigid disk. 4,803,577, 2-7-89, Cl. 360-102.000.
Ezaki, Kenji: *See—*
    Ikeda, Akira; Nakayama, Shigeki; Ezaki, Kenji; Ishii, Toshitsugu; and Itakura, Isao, 4,817,337, Cl. 47-17.000.
Ezaki, Mitsuo; Kobayashi, Makoto; and Izumi, Tsuguo, to Fuji Oil Company, Ltd. Production of sterile composite emulsion. 4,808,334, 2-28-89, Cl. 252-314.000.
Ezaki, Satoru; Tanaka, Kiyofumi; Kasahara, Tsukasa; Hirose, Tetsuya, and Nakagawa, Tetsuro, to Hitachi, Ltd.; and Hitachi Cable, Ltd. Method for forming and cutting a flat type multi-core cable and apparatus for realizing same. 4,858,659, 8-22-89, Cl. 140-105.000.
Ezaki, Shiro: *See—*
    Kaneko, Tsuneo; and Ezaki, Shiro, 4,830,878, Cl. 427-96.000.
    Kaneko, Tsuneo; and Ezaki, Shiro, 4,835,038, Cl. 428-209.000.
Ezaki, Tadashi: *See—*
    Ikeda, Hironosuke; Ezaki, Tadashi; Yoshida, Kakushiyou; Yamaguchi, Rikizou; and Suenaga, Kazuhiro, 4,876,451, Cl. 361-540.000.
Ezaki, Youichirou: *See—*
    Matsuo, Kohtaro; Ezaki, Youichirou; Tobe, Akihiro; Yamazaki, Satoshi; Enda, Kozue; and Kitsukawa, Mariko, 4,883,822, Cl. 514-680.000.
Ezawa, Kunio: *See—*
    Taguchi, Fumiaki; Mitsui, Isamu; Hara, Kinichi; Hayashi, Masaro; Ezawa, Kunio; Fukunaga, Kenichi; and Kuranari, Jun, 4,882,423, Cl. 530-380.000.
Ezawa, Naoya: *See—*
    Tsuchihashi, Akira; and Ezawa, Naoya, 4,865,514, Cl. 414-736.000.
Ezawa, Nobuyasu: *See—*
    Hirako, Mamoru; and Ezawa, Nobuyasu, 4,859,293, Cl. 204-94.000.
EZE Products, Inc.: *See—*
    Smith, William E., 4,872,953, Cl. 162-261.000.
Ezekoye, L. Ike; and Cavada, David R., to Westinghouse Electric Corp. Variable linear motion cycle monitoring device. 4,836,974, 6-6-89, Cl. 376-258.000.
Ezell, Larry O.; Schmid, John; and Tovey, Peter, to Vickers, Incorporated. Failsafe electrohydraulic control system for variable displacement pump. 4,823,552, 4-25-89, Cl. 60-443.000.
Ezell, Nelson. Flange-forming tool. 4,802,355, 2-7-89, Cl. 72-112.000.
Ezer, Elemer: *See—*
    Fischer, Janos; Dobay, Laszlo; Major, Mihaly; Ezer, Elemer; Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny, Laszlo, 4,879,404, Cl. 560-051.000.
Ezio Selva, S.r.l.: *See—*
    Selva, Luciano, 4,848,685, Cl. 242-7.150.
Ezis, Andre; and Beckwith, Elaine C., to Ceradyne, Inc. Method of making reaction bonded/hot pressed Si_3N_4 for use as a cutting tool. 4,848,984, 7-18-89, Cl. 51-309.000.
Ezoe, Motonobu: *See—*
    Otsubo, Kazunari; Ezoe, Motonobu; Ago, Hideo; and Yamamoto, Koji, 4,880,896, Cl. 528-196.000.
Ezuka, Daigo: *See—*
    Horikawa, Hiroshi; Kuoo, Yoshio; Ezuka, Daigo; and Shoji, Takashi, 4,884,259, Cl. 369-32.000.
Ezure, Nobuya: *See—*
    Fukumura, Takeo; Shinmori, Takeyoshi; and Ezure, Nobuya, 4,828,231, Cl. 267-64.230.
Ezure, Yoji; Yamamoto, Masashi; Maruo, Shigeaki; and Sugiyama, Makoto, to Nippon Shinyaku Co., Ltd. Method of manufacturing moranoline derivatives. 4,806,633, 2-21-89, Cl. 536-18.500.
Ezure, Yoji: *See—*
    Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; and Fujita, Yukio, 4,855,415, Cl. 536-17.400.
    Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; Ozaki, Takayuki; and Ojima, Nobutoshi, 4,859,767, Cl. 536-17.400.
Ezzat, Ahmed K.: *See—*
    Agrawal, Rakesh; and Ezzat, Ahmed K., 4,800,488, Cl. 364-200.000.
    Agrawal, Rakesh; and Ezzat, Ahmed K., 4,825,354, Cl. 364-200.000.
Ezzell, Bobby R.; Carl, William P.; and Mod, William A., to Dow Chemical Company, The. Process to produce novel fluorocarbon vinyl ethers and resulting polymers. 4,804,727, 2-14-89, Cl. 526-247.000.
Ezzell, Bobby R.; Carl, William P.; and Mod, William A., to Dow Chemical Company, The. Process to produce novel fluorocarbon vinyl ethers and resulting polymers. 4,834,922, 5-30-89, Cl. 260-543.00F.
F & B Mfg. Co.: *See—*
    Safranek, Edward J., 4,852,540, Cl. 123-599.000.
    Safranek, Edward J., 4,873,962, Cl. 123-599.000.
    Safranek, Edward J., 4,874,977, Cl. 310-269.000.
F. Gegauf AG Bernina-Nahmaschinenfabrik: *See—*
    Dreier, Ernst, 4,884,519, Cl. 112-229.000.
F.H. & H. Limited: *See—*
    Bryant, James G.; and Hayden, Ronald G., 4,819,417, Cl. 56-202.000.
F. H. Papenmeier GmbH & Co. KG: *See—*
    Bornschein, Hans-Jurgen, 4,875,185, Cl. 364-900.000.
F.I.C.I. Finanziaria Industriale Commerciale Immobiliare SpA: *See—*
    Castiglioni, Giovanni P., 4,836,073, Cl. 83-344.000.
F. I. P. Formatura Iniezione Polimeri S.p.A.: *See—*
    Bonissone, Giancarlo; and Mulas, Piero, 4,822,270, Cl. 425-289.000.
F. J. Engineering, Inc.: *See—*
    Jolly, Frank H., 4,841,809, Cl. 74-714.000.
F. J. Westcott Company, The: *See—*
    Waltz, Thomas A., 4,855,874, Cl. 362-16.000.
F. Korbel and Bros.: *See—*
    Baker, Daniel C.; Stashak, Robert M.; Owens, William P.; and Gessner, Gregory B., 4,841,848, Cl. 99-277.200.
F. L. Industries Inc.: *See—*
    Hoffman, Jerzy, 4,795,994, Cl. 335-82.000.
F. L. Jennings: *See—*
    Keiper, Francis P., Jr., 4,821,287, Cl. 375-10.000.
F & L Reserach Development and Manufacturing Co.: *See—*
    Floyhar, Eric M., 4,838,557, Cl. 273-237.000.
F. L. Smidth & Co. A/S: *See—*
    Elkjaer, Hans P., 4,848,993, Cl. 55-459.100.
    Folsberg, Jan, 4,869,434, Cl. 241-34.000.
    Touborg, Jorn, 4,822,574, Cl. 422-228.000.
F. lli Dettin S.p.a.: *See—*
    Dettin, Piergiorgio, 4,852,270, Cl. 34-58.000.
f.m.e. Corporation: *See—*
    Pike, Timothy D., 4,823,633, Cl. 74-411.500.
F. M. Howell & Co.: *See—*
    Paliotta, Michael A.; and Allen, Donald F., 4,848,541, Cl. 206-45.140.
F. O. Schoedinger, Inc.: *See—*
    Weidl, David, 4,798,033, Cl. 52-94.000.
F. Oberdorfer: *See—*
    Krenkel, Bernhard; and Vohringer, Fritz, 4,832,090, Cl. 139-383.00A.
F. Oberdorfer GmbH & Co. KG Industriegewebe-Technik: *See—*
    Krenkel, Bernhard; and Joos, Heinz, 4,859,396, Cl. 264-311.000.
    Krenkel, Bernhard; and Joos, Heinz, 4,889,674, Cl. 264-130.000.
    Vohringer, Fritz, 4,860,411, Cl. 28-141.000.
F.P.I., Inc.: *See—*
    Voight, Allan A., 4,850,812, Cl. 417-271.000.
F. Wieland Elektrische Industrie GmbH: *See—*
    Schrauder, Franz, 4,842,361, Cl. 350-96.200.
F. William GmbH & Co.: *See—*
    Hilterhaus, Karl-Heinz, 4,871,829, Cl. 528-48.000.
F. Willich GmbH & Co.: *See—*
    Hilterhaus, Karl-Heinz, 4,827,005, Cl. 556-414.000.
F. X. Kogel GmbH & Co.: *See—*
    Strobel, Georg; and Hage, Walter, 4,800,733, Cl. 62-239.000.
FA Konsult AB: *See—*
    Jonsson, Karl S., 4,825,910, Cl. 139-29.000.
Fa. Lescha Maschinenfabrik GmbH: *See—*
    Kasberger, Peter, 4,807,374, Cl. 37-103.000.
Fa Nattermann Arneimittel GmbH: *See—*
    Schmitt, Hans J.; and Blazek, Vladimir, 4,836,212, Cl. 128-667.000.
Fa. Rohren- und Pumpenwerk Rudolf Bauer Aktiengesellschaft: *See—*
    Ruprechter, Adam, 4,884,749, Cl. 239-280.500.
Faagau, Gary S.: *See—*
    Goyal, Shri K.; and Faagau, Gary S., 4,832,823, Cl. 208-131.000.
Faas, Ute: *See—*
    Munz, Rudolf; Kurzmann, Peter; and Faas, Ute, 4,847,160, Cl. 428-447.000.
Faasse, Adrian L., Jr. Diagnostic electrode. 4,798,208, 1-17-89, Cl. 128-640.000.
Faatz, Hein, to FAG Kugelfischer Georg Schafer (KGaA). Device for the evaluation of radio photoluminescent glasses. 4,816,691, 3-28-89, Cl. 250-484.100.
Faatz, Otto: *See—*
    Welzel, Horst; and Faatz, Otto, 4,869,152, Cl. 110-346.000.
Fabbiani, Bruno. Device for quality control of holograms. 4,802,758, 2-7-89, Cl. 356-71.000.
Fabbiani, Bruno. Security document. 4,889,366, 12-26-89, Cl. 283-86.000.
Fabbri, Marcel, deceased; Fabbri-Ollinger, Marie O. P., legal representative; Brandon, Jean-Francois; Colette, Claude; and Weichlein, Bernard, to Universite de Franche-Comte. Method for recording foetal movements during pregnancy and apparatus for carrying out the said method. 4,809,702, 3-7-89, Cl. 128-661.070.
Fabbri-Ollinger, Marie O. P., legal representative: *See—*
    Fabbri, Marcel, deceased; Fabbri-Ollinger, Marie O. P., legal representative; Brandon, Jean-Francois; Colette, Claude; and Weichlein, Bernard, 4,809,702, Cl. 128-661.070.

- Fabbri, Roberto: *See—*
  - Cuffiani, Illaro; Fabbri, Roberto; Margelli, Gian F.; and Zucchini, Umberto, 4,886,770, Cl. 502-104.000.
  - Sala, Oneglio; and Fabbri, Roberto, 4,826,357, Cl. 405-232.000.
- Fabbrica D'Armi P. Beretta S.p.A.: *See—*
  - Beretta, Pier G., 4,811,509, Cl. 42-42.010.
  - Beretta, Pier G., 4,811,511, Cl. 42-70.060.
- Faber, Andrea J.: *See—*
  - Faber, Kurt H. A. E.; Faber, Ute M. I.; Faber, Knut; Faber, Inken A. H.; and Faber, Andrea J., 4,854,764, Cl. 403-13.000.
- Faber, Bernd: *See—*
  - Dorge, Franz; Erlenmayer, Udo; Faber, Bernd; Herty, Winfried; and Munz, Gunter, 4,880,259, Cl. 285-137.100.
- Faber, Edward M.: *See—*
  - Kinson, Philip L.; and Faber, Edward M., 4,870,126, Cl. 524-521.000.
- Faber, Guy: *See—*
  - Barcella, Santino; Befeld, Manfred; Faber, Guy; and Slepcevic, Paul, 4,812,107, Cl. 416-191.000.
  - Breitenmoser, Georg; and Faber, Guy, 4,817,859, Cl. 228-226.000.
- Faber, Heinrich: *See—*
  - Banzhaf, Werner; Eblen, Ewald; Faber, Heinrich; Giersch, Rolf J.; Hofmann, Karl; Liedtke, Dieter; and Norberg, Helmut, 4,801,095, Cl. 239-533.300.
- Faber, Inken A. H.: *See—*
  - Faber, Kurt H. A. E.; Faber, Ute M. I.; Faber, Knut; Faber, Inken A. H.; and Faber, Andrea J., 4,854,764, Cl. 403-13.000.
- Faber, Johannes W., to U.S. Philips Corporation. Disc cassette. 4,796,139, 1-3-89, Cl. 360-133.000.
- Faber, Knut: *See—*
  - Faber, Kurt H. A. E.; Faber, Ute M. I.; Faber, Knut; Faber, Inken A. H.; and Faber, Andrea J., 4,854,764, Cl. 403-13.000.
- Faber, Kurt H. A. E.; Faber, Ute M. I.; Faber, Knut; Faber, Inken A. H.; and Faber, Andrea J., to AB Sandvik Coromant. Coupling device between two elements. 4,854,764, 8-8-89, Cl. 403-13.000.
- Faber, Michael A.: *See—*
  - King, David I.; Cooper, Michael D.; and Faber, Michael A., 4,868,343, Cl. 568-697.000.
- Faber, Michael R., to Ajax Magnethermic Corporation. Electric induction heater. 4,859,823, 8-22-89, Cl. 219-10.690.
- Faber, Michael W.: *See—*
  - Conklin, Charles C.; Faber, Michael W.; Schachter, David; Spira, Philip M.; Wang, Chi-Wen; and Williams, Paul L., 4,823,328, Cl. 368-47.000.
- Faber, Nicholas J., Jr., to Bristol-Myers Company. Accumulator table. 4,852,714, 8-1-89, Cl. 198-347.000.
- Faber, Thomas J.: *See—*
  - Guenther, Kenneth L.; Rabindran, Karavattuveetil G.; Faber, Thomas J.; and Abrams, Jack S., 4,877,346, Cl. 400-624.000.
- Faber, Ute M. I.: *See—*
  - Faber, Kurt H. A. E.; Faber, Ute M. I.; Faber, Knut; Faber, Inken A. H.; and Faber, Andrea J., 4,854,764, Cl. 403-13.000.
- Faberman, Ira S.: *See—*
  - Quazi, Fazie S.; and Faberman, Ira S., 4,864,482, Cl. 363-37.000.
- Fabian, Ellis; and Agur, Enno E., to Xerox Corporation. Extrusion system. 4,828,770, 5-9-89, Cl. 264-40.300.
- Fabian, Josef: *See—*
  - Maurer, Albrecht; and Fabian, Josef, 4,876,727, Cl. 382-8.000.
- Fabian, Peter; Krebs, Helmut; and Simon, Heinrich, to Heraeus Elektroden GmbH. Electrode structure. 4,855,032, 8-8-89, Cl. 204-286.000.
- Fabiny, William J.; and Shabrach, Judith M., to Teleflex Incorporated. Coating compositions. 4,806,161, 2-21-89, Cl. 106-14.120.
- Fabiny, William J.: *See—*
  - Mosser, Mark F.; Eddinger, Kevin B.; and Fabiny, William J., 4,863,516, Cl. 106-14.120.
- Fabio Fasting Biotech A/S: *See—*
  - Jorstad, Storker; and Smedby, Leif, 4,872,978, Cl. 210-181.000.
- Fabisiewicz, Eugene; and Fagan, Jack R., to Baxter International Inc. Flexible thermoplastic pouches having easy-open tear strip means and apparatus for making same. 4,838,429, 6-13-89, Cl. 206-605.000.
- Fabre, Aime. Yarn cutting device of the gripper shuttle type. 4,858,657, 8-22-89, Cl. 139-438.000.
- Fabre, Albert, to Rhone-Poulenc Recherches. Hydrophilic PVDF semipermeable membrane. 4,810,384, 3-7-89, Cl. 210-500.230.
- Fabre, Jean-Claude: *See—*
  - Chaudon, Luc; Dobremelle, Michel; Fabre, Jean-Claude; and Geffroy, Jean, 4,834,916, Cl. 252-633.000.
- Fabre, Pierre, to Aerospatiale Societe Nationale Industrielle. Electric flight control system with aircraft incidence protection. 4,829,220, 5-9-89, Cl. 318-584.000.
- Fabres nee Ducellier, Michele: *See—*
  - Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.
- Fabricacion De Herramientas Y Utensilios, S.A.: *See—*
  - Tua Espallargas, Antonio, 4,880,337, Cl. 407-40.000.
- Fabricacion de Maquinas, S.A.: *See—*
  - Arona-Delonghi, Adriano G., 4,863,300, Cl. 401-68.000.
- Fabricated Metals, Inc.: *See—*
  - Coleman, Clarence B., 4,858,791, Cl. 222-510.000.
- Fabricated Plastics, Inc.: *See—*
  - Richards, Toby D.; and Antonio, Anthony I., Jr., 4,860,797, Cl. 138-122.000.
- Fabrication d'Ouvrages de Dames: *See—*
  - Louiche, Claude, 4,869,165, Cl. 101-128.400.
- Fabrication Specialists, Inc.: *See—*
  - Byrnes, John J., Jr., 4,805,736, Cl. 182-95.000.
- Fabricius, Hans-Ake; and Kottgen, Eckart U., to Shanksville Corporation NV. Method of preventing T-cell blastogenesis. 4,808,51 2-28-89, Cl. 435-240.200.
- Fabricius, John H.: *See—*
  - Simson, Morris; Fabricius, John H.; Browne, Ronnie; Waugh, Arthur; Sarkozy, Robert F.; and Lai, Chiu K. S., 4,854,266, C 118-728.000.
- Fabrico Manufacturing Corp.: *See—*
  - Reichert, Charles R., 4,865,899, Cl. 428-189.000.
- Fabrie, Robert A. M. J.: *See—*
  - Zufang, Arthur A.; and Fabrie, Robert A. M. J., 4,810,315, C 156-84.000.
- Fabrique de Fer de Maubeuge: *See—*
  - Bourbon, Jean-Claude; and Gerard, Guy, 4,823,582, Cl. 72-164.00
- Fabrique Ebel, Societe Anonyme: *See—*
  - Meier, Willy, 4,809,250, Cl. 368-208.000.
- Fabrique Nationale Herstal, en abrege FN, societe anonyme: *See—*
  - Gabriels, Andre, 4,846,070, Cl. 102-488.000.
- Fabriques de Tabac Reunies, S.A.: *See—*
  - Braem, Daniel; and Abdelgawad, Ahmed, 4,834,117, C 131-336.000.
- Fabris, Hans-Jurgen: *See—*
  - Auslander, Klaus; Fabris, Hans-Jurgen; Patzwaldt, Wolfgang; an Seichter, Helmut, 4,881,036, Cl. 324-329.000.
- Fabris, Hubert J.: *See—*
  - Lenke, Gerd M.; Fabris, Hubert J.; and Melby, Earl G., 4,868,23 Cl. 523-512.000.
- Fabrizi, Fabrizio; and Calderara, Ennio, to Bassani Ticino S.p.A. Remote control apparatus for tripping off switches. 4,825,096, 4-25-8 Cl. 307-112.000.
- Fabry, Bernd; Piorr, Robert; and Schumacher, Astrid, to Henkel Kommanditgesellschaft auf Aktien. Surface-active hydroxysulfonate. 4,865,774, 9-12-89, Cl. 252-554.000.
- Fabry, John J.; and Milson, Bertram I. Glove for prophylaxis of carpa tunnel syndrome. 4,850,341, 7-25-89, Cl. 128-44.000.
- Fabry, Roland: *See—*
  - Leonard, John K.; and Fabry, Roland, 4,882,573, Cl. 340-578.00
- Fabschitz, Heinz: *See—*
  - Memminger, Gustav; Kuhn, Falk; and Fabschitz, Heinz, 4,829,79 Cl. 66-132.00R.
- Faccini, Lino A. Therapeutic garment for a chronic clothes rippi patient. 4,805,241, 2-21-89, Cl. 2-102.000.
- Faccioli, Giovanni: *See—*
  - De Bastiani, Giovanni; Faccioli, Giovanni; Aldegheri, Roberto; and Renzi Brivio, Lodovico, 4,828,277, Cl. 279-1.08G.
- Face, Samuel A., III, to Edward W. Face Co., Inc., The. Installationa concrete joint insert and method of preventing edge spalling. 4,875,802, 10-24-89, Cl. 404-67.000.
- Facet Enterprises, Inc.: *See—*
  - Brown, Ralph V., 4,827,968, Cl. 137-270.000.
  - Brown, Ralph V., 4,832,583, Cl. 417-417.000.
  - Brown, Ralph V., 4,860,158, Cl. 361-165.000.
  - Cole, Frederic W.; and Padden, James B., 4,805,656, Cl. 138-41.00
  - Krasicky, Stephen, Jr., 4,863,807, Cl. 428-593.000.
  - Lowsky, John; Trierwiler, Scott; and Torchia, Nicholas, 4,820,40 Cl. 210-130.000.
  - Tallis, John R., Jr., 4,843,897, Cl. 74-6.000.
  - Terhune, Ralph D.; and Murphy, James D., 4,871,455, C 210-232.000.
- Fachat, Gaston; Sistermann, Klaus; and Ungerer, Heinz-Jurgen, t Grunsweig & Hartmann and Glasfaser AG. Apparatus for producin fibres from silicate raw materials such as basalt by blast drawing 4,822,392, 4-18-89, Cl. 65-16.000.
- Fachini, Marco. Sludge obtained when processing waste lubricating oi and a method for utilizing the sludge. 4,833,185, 5-23-89, C 524-68.000.
- Facinelli, Sandra H.: *See—*
  - Bixel, John C.; Bellow, Edward J.; Heaney, William F.; and Facinelli, Sandra H., 4,828,576, Cl. 44-501.000.
- Facit Aktiebolag: *See—*
  - Palmlund, Sven-Tore, 4,828,412, Cl. 400-208.000.
  - Stenudd, Sven G. V., 4,877,342, Cl. 400-121.000.
- Facom: *See—*
  - Dossier, Michel, 4,872,645, Cl. 254-10.500.
- Facon, Pierre, to Bertin & Cie. Method and apparatus for servo-controlling the position of a pneumatic actuator. 4,878,417, 11-7-89, C 91-363.00R.
- Factir Arnold: *See—*
  - Yeager, Gary W.; White, Dwain M.; Factoe, Arnold; Factir Arnold; Haaf, William R.; and Haaf, William R., 4,863,984, C 524-157.000.
- Factoe, Arnold: *See—*
  - Yeager, Gary W.; White, Dwain M.; Factoe, Arnold; Factir Arnold; Haaf, William R.; and Haaf, William R., 4,863,984, C 524-157.000.
- Factor, Arnold; and Patel, Gautam A., to General Electric Company. Method for curing silicone coatings on plastic substrates, and curable compositions related thereto. 4,863,520, 9-5-89, Cl. 106-287.120.
- Factor, Arnold: *See—*
  - Goossens, John C.; Factor, Arnold; and Miranda, Peter M., 4,861,664, Cl. 428-409.000.
  - Moore, James E.; Factor, Arnold; and Miranda, Peter M., 4,863,802, Cl. 428-412.000.

  - Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,874,783, Cl. 524-482.000.
  - Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,876,309, Cl. 524-109.000.
  - Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,850, Cl. 522-79.000.
  - Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,853, Cl. 523-136.000.
  - Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,855, Cl. 523-136.000.
  - Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,882,366, Cl. 523-136.000.
- Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., to International Business Machines Corporation. Direct negative and offset master production using thermal liftoff. 4,836,105, 6-6-89, Cl. 101-453.000.
- Factor, Bradford J.: *See—*
  - Afzali-Ardakani, Ali; Desai, Mukesh; Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., 4,800,397, Cl. 346-1.100.
- Factor, Charles J. Compact disc storage rack. 4,867,306, 9-19-89, Cl. 206-309.000.
- Factor, Ronda E.; and Diehl, Donald R., to Eastman Kodak Company. Photographic elements having oxonol dyes. 4,855,221, 8-8-89, Cl. 430-510.000.
- Factor, Ronda E.: *See—*
  - Dickerson, Robert E.; Kelly, James E.; Diehl, Donald R.; and Factor, Ronda E., 4,803,150, Cl. 430-502.000.
  - Diehl, Donald R.; and Factor, Ronda E., 4,857,446, Cl. 430-510.000.
- Factshore Limited, a British Company: *See—*
  - Levin, Julian, 4,815,623, Cl. 220-17.100.
- Faculty of Physics Eidhoven University of Technology: *See—*
  - Schram, Daniel C.; and Kroesen, Gerardus M. W., 4,871,580, Cl. 427-38.000.
- Fadden, David J.: *See—*
  - Hagen, Kenneth G.; Fontair, E. Sam; Fadden, David J.; and Henshilwood, William L., 4,848,633, Cl. 226-97.000.
- Fadden, Richard G.: *See—*
  - Bunker, William M.; Merz, Donald M.; and Fadden, Richard G., 4,811,245, Cl. 364-521.000.
- Faddis, Charles T.: *See—*
  - Nichol, Robert E.; Grant, Robert B.; and Faddis, Charles T., 4,885,707, Cl. 364-551.010.
- Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobko, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., to Spetsialnoe Konstruktorskoe Bjuro Gidroimpulsnoi Tekniki Sibirskogo Otdelenia Akademii Nauk SSSR. Machine for driving workings in hard rocks. 4,796,956, 1-10-89, Cl. 299-69.000.
- Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladeen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., to Spetsialnoe Konstruktorskoe Bjuro Gidroimpulsnoi Tekniki Sibirskogo Otdelenia Akademii Nauk SSSR. Percussive tool. 4,819,542, 4-11-89, Cl. 91-172.000.
- Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., to Institut Gidrokinamiki Im. Lavrentieva. Percussive action machine. 4,884,642, 12-5-89, Cl. 173-139.000.
- Fadeev, Vladimir Y.: *See—*
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobko, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,796,956, Cl. 299-69.000.
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladeen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,819,542, Cl. 91-172.000.
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,884,642, Cl. 173-139.000.
- Fadis S.p.A.: *See—*
  - Canton, Armando, 4,829,757, Cl. 57-6.000.
- Fadner, Thomas A.: *See—*
  - Hycner, Stanley H.; Fadner, Thomas A.; and Chou, Shem-Mong, 4,862,799, Cl. 101-348.000.
  - Van Kanegan, Eugene M.; Doyle, Frank J.; and Fadner, Thomas A., 4,864,925, Cl. 101-141.000.
- Fadule, Matthew J.: *See—*
  - Collier, William H.; Fadule, Matthew J.; and Dunn, James S., 4,820,188, Cl. 439-345.000.
- Faehndrich, Jurgen: *See—*
  - Hocker, Jurgen; Faehndrich, Jurgen; Hespe, Hans; Sirinyan, Kirkor; and Wecker, Dieter, 4,820,580, Cl. 428-314.400.
- Fael S.A.: *See—*
  - Schreiber, Peter; and Richner, Michel, 4,838,473, Cl. 228-45.000.
- Fan, Steven M., to SCI Systems, Inc. Printing device and method employing latent electrostatic image development and separate toner-brush operational cycle. 4,857,945, 8-15-89, Cl. 346-160.100.
- Faeser, Ulrich; and Mahn, Dieter, to Fresenius AG. Spray pump with a motor driven drive rod. 4,799,866, 1-24-89, Cl. 417-415.000.
- Faeser, Ulrich, to Fresenius AG. Monitored control arrangement. 4,817,045, 3-28-89, Cl. 364-550.000.
- Faeth, Warren P., to Tokheim Corporation. Liquid fuel blockage removal device with a venturi and bypass passages. 4,827,987, 5-9-89, Cl. 141-59.000.
- Faeth, Warren P., to Tokheim Corporation. Vapor passage fuel blockage removal. 4,842,027, 6-27-89, Cl. 141-45.000.
- FAG Kugelfischer Georg Schafer (KGaA): *See—*
  - Bayer, Oswald; and Grehn, Martin, 4,813,795, Cl. 384-569.000.
  - Bayer, Oswald, 4,850,722, Cl. 384-448.000.
  - Bayer, Oswald, 4,886,379, Cl. 384-523.000.
  - Braune, Gerhard; and Hock, Reinhard, 4,820,060, Cl. 384-447.000.
  - Dreschmann, Peter; and Warmuth, Erich, 4,863,292, Cl. 384-482.000.
  - Faatz, Hein, 4,816,691, Cl. 250-484.100.
  - Feser, Winfried, 4,838,402, Cl. 192-98.000.
  - Heubner, Wilhelm; and Reeb, Wolfgang, 4,836,092, Cl. 92-48.000.
  - Hofmann, Heinrich; and Troster, Manfred, 4,804,233, Cl. 301-124.00R.
  - Hofmann, Heinrich; and Troster, Manfred, 4,812,058, Cl. 384-563.000.
  - Hofmann, Heinrich; and Glas, Gunther, 4,824,265, Cl. 384-560.000.
  - Knappe, Bernhard, 4,844,628, Cl. 384-510.000.
  - Leurer, Erwin, 4,841,784, Cl. 73-862.480.
  - Macht, Egid; and Hagel, Thomas, 4,885,979, Cl. 91-369.100.
  - Nicolich, Patrick, 4,797,014, Cl. 384-490.000.
  - Niebling, Peter, 4,842,570, Cl. 474-118.000.
  - Oppl, Gunther; Pickel, Hermann; and Rauch, Horst, 4,802,329, Cl. 57-129.000.
  - Rudiger, Eckhart; and Bauer, Hermann, 4,825,750, Cl. 91-376.00R.
  - Troster, Manfred; and Hofmann, Heinrich, 4,887,917, Cl. 384-543.000.
  - Vogel, Walter; Schmucker, Wolfgang; Leurer, Erwin; and Beel, Francois, 4,803,834, Cl. 57-308.000.
- Fagan, Jack R.: *See—*
  - Fabisiewicz, Eugene; and Fagan, Jack R., 4,838,429, Cl. 206-605.000.
- Fagan, John E.; and Droke, A. Farrel, to Burford Corp. Computerized bread splitter. 4,876,934, 10-31-89, Cl. 83-879.000.
- Fagard, Pierre, to Societe Francaise d'Equipements pour la Navigation Aerienne (S.F.E.N.A.). Display device with a dissociable structure, particularly for aircraft. 4,838,647, 6-13-89, Cl. 350-174.000.
- Fage, Etienne, to Dee Howard Co., The. Thrust reverser for aircraft jet engine and aircraft engine equipped with said thrust reverser. 4,860,956, 8-29-89, Cl. 239-265.190.
- Fagen, Ben W., Jr.: *See—*
  - Rizza, Robert S.; Fagen, Ben W., Jr.; Raymond, Michael W.; Feher, Peter; Milliard, Norman L.; and Kegelman, Thomas B., 4,862,198, Cl. 346-153.100.
- Fagen, Shawn J.: *See—*
  - Sadamune, Dean J.; and Fagen, Shawn J., 4,887,190, Cl. 362-32.000.
- Fager, Jan: *See—*
  - Andersson, Bjorn; Bjorkelund, Mats; Edstrom, Stefan; Fager, Jan; and Schofield, Monica, 4,831,232, Cl. 219-124.340.
- Fager, Jan G.: *See—*
  - Andersson, Bjorn; and Fager, Jan G., 4,815,006, Cl. 364-513.000.
- Fagerburg, David R.; Watkins, Joseph J.; Lawrence, Paul B.; and Rule, Mark, to Eastman Kodak Company. Process for the preparation of copoly(arylene sulfide) using an oxygen-containing gas. 4,826,956, 5-2-89, Cl. 528-214.000.
- Fagerburg, David R.; Jackson, Winston J., Jr.; and Martin, Mary B., to Eastman Kodak Company. Melt processable, liquid crystalline polyesters. 4,849,499, 7-18-89, Cl. 528-298.000.
- Fagerburg, David R.; Watkins, Joseph J.; and Lawrence, Paul B., to Eastman Kodak Company. Blends of copoly(arylene sulfide) and poly(arylene sulfide). 4,877,851, 10-31-89, Cl. 525-537.000.
- Fagerburg, David R.; and Watkins, Joseph J., to Eastman Kodak Company. Solid state polymerization process for increasing the molecular weight of colpoly(arylene sulfide). 4,877,862, 10-31-89, Cl. 528-481.000.
- Fagerburg, David R.: *See—*
  - Rule, Mark; Fagerburg, David R.; Watkins, Joseph J.; and Fauver, Jerry S., 4,855,393, Cl. 528-212.000.
  - Rule, Mark; Fagerburg, David R.; and Watkins, Joseph J., 4,857,629, Cl. 528-217.000.
  - Rule, Mark; Fagerburg, David R.; and Watkins, Joseph J., 4,859,762, Cl. 528-215.000.
- Fagerhol, Magne K.; Dale, Inge; and Naesgaard, Inger, to Ciba-Geigy Corporation. Purified human granylocyte L1 proteins methods for their preparation, monospecific antibodies and test kits. 4,833,074, 5-23-89, Cl. 435-7.000.
- Fagerlie, Richard A.: *See—*
  - Neff, James A.; and Fagerlie, Richard A., 4,856,560, Cl. 137-884.000.
- Faget, Maxime A.; Johnson, Caldwell C.; and Bergeron, David J., III, to Space Industries, Inc. Modular spacecraft system. 4,834,325, 5-30-89, Cl. 244-173.000.
- Fagg, Barry S.: *See—*
  - Bernasek, Edward; Bridle, Kenneth A.; Clapp, William L.; and Fagg, Barry S., 4,887,618, Cl. 131-297.000.
- Faggian, Lucio; Marcotullio, Armando; Platone, Edoardo; and Picchi, Emilio, to Eniricerche S.p.A.; and Enichem Augusta S.p.A. Process for the extraction of paraffins from mixtures thereof with alkane-sulfonic acids. 4,798,915, 1-17-89, Cl. 585-833.000.
- Faggian, Lucio; Castellano, Maurizio; Platone, Edoardo; and Franco, Cosimo, to Eniricerche S.p.A.; and Enichem Augusta S.p.A. Process for extracting paraffins from their mixtures with paraffinsulfonic acids. 4,843,184, 6-27-89, Cl. 585-864.000.
- Faggian, Lucio: *See—*
  - Franco, Cosimo; Carrillo, Gerardo; and Faggian, Lucio, 4,827,078, Cl. 585-864.000.
- Faggiano, Tom. Glass mountable sign. 4,852,284, 8-1-89, Cl. 40-488.000.
- Faggin, Federico; and Lynch, Gary S., to Synaptics, Inc. Brain learning and recognition emulation circuitry and method of recognizing events. 4,802,103, 1-31-89, Cl. 364-513.000.

Fago, Frank M., Jr., to Access Corporation. Data medium storage and retrieval devices. 4,815,055, 3-21-89, Cl. 369-36.000.
Fagrell, Per-Ake. Method and apparatus for obtaining a suspension and solution. 4,816,222, 3-28-89, Cl. 422-261.000.
Fah, Ah N. Automatic plant watering and feeding system. 4,864,771, 9-12-89, Cl. 47-79.000.
Fahet NV: *See—*
  Wessels, Allistair P., 4,802,592, Cl. 210-169.000.
Fahey, Darryl R.; Williams, Keith A.; Harris, Jesse R.; and Stapp, Paul R., to Phillips Petroleum Company. Preparation of pillared clay. 4,845,066, 7-4-89, Cl. 502-84.000.
Fahey, Diana; and Knight, Ernest, Jr., to Du Pont de Nemours, E. I., and Company. Preparation of a protein fraction exhibiting cell growth-inhibiting activity. 4,803,163, 2-7-89, Cl. 435-68.000.
Fahey, James. Method and apparatus for controlling the suction pressure in a dust collecting duct. 4,820,317, 4-11-89, Cl. 55-21.000.
Fahey, Timothy E.: *See—*
  Au, Andrew N.; Deep, Marguerite E.; Fahey, Timothy E.; and Jacobs, Stephen M., 4,857,880, Cl. 338-22.00R.
Fahey, William F.: *See—*
  Zetlmeisl, Michael J.; and Fahey, William F., 4,877,578, Cl. 422-14.000.
Fahl, Richard L., to Dover Corporation. Poppet valve assembly and method of making same. 4,813,449, 3-21-89, Cl. 137-219.000.
Fahlen, Lennart K.: *See—*
  Johansson, Erik K. G.; and Fahlen, Lennart K., 4,805,257, Cl. 15-327.00R.
Fahler, Franz: *See—*
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Fahlstroem, Ulf: *See—*
  Lekholm, Anders; Fahlstroem, Ulf; and Groothoff, Hermann, 4,840,186, Cl. 128-784.000.
Fahmy, Mohamed A. H., to Du Pont de Nemours, E. I., and Company. Certain N-(R-sulfonyl) phosphonamidothioates and dithioates. 4,804,654, 2-14-89, Cl. 514-90.000.
Fahmy, Mohamed H.; and Sanborn, James R., to Du Pont de Nemours, E. I., and Company. Process for production of phosphorothioic dichlorides. 4,855,474, 8-8-89, Cl. 558-95.000.
Fahner, Karsten; Johannaber, Friedrich; Depcik, Hans-Werner; Kaminski, Axel; and Van Hooren, Rudiger, to Bayer Aktiengesellschaft. Plastics moulding containing reinforced fillings. 4,812,247, 3-14-89, Cl. 252-511.000.
Fahner, Karsten; and Depcik, Hans-Werner, to Bayer Aktiengesellschaft. Composite plastic with laser altered internal material properties. 4,822,973, 4-18-89, Cl. 219-121.600.
Fahnestock, Stephen R.; and Fisher, Kathryn E., to Genex Corporation. Bacillus strains with reduced extracellular protease levels. 4,828,994, 5-9-89, Cl. 435-172.300.
Fahnlander, John G.: *See—*
  Koch, Vernon F.; Fahnlander, John G.; and Wanninger, Lester A., 4,857,715, Cl. 235-456.000.
Fahnler, Friedrich: *See—*
  Schultz, Klaus-Dieter; Meyer, Rolf-Volker; Fahnler, Friedrich; Dhein, Rolf; and Michael, Dietrich, 4,861,815, Cl. 524-114.000.
Fahnrich, Hans-Jurgen; and Zuchtriegel, Anton, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen m.b.H. Low-pressure discharge lamp, particularly fluorescent lamp high-frequency operating system with low inductance power network circuit. 4,808,887, 2-28-89, Cl. 315-247.000.
Fahnrich, Marianne: *See—*
  Elger, Walter; Beier, Sybille; Fahnrich, Marianne; Kosub, Beate; Chwalisz, Krzysztof; and Hasan, Syed H., 4,888,331, Cl. 514-170.000.
Fahrenbruch, John G.: *See—*
  Hentschel, Erwin F.; Fahrenbruch, John G.; and Kennedy, David M., 4,843,723, Cl. 33-178.00R.
Fahrenkrug, Anne M.; Winters, Cathy L.; and Logsdon, Nanette J., to Kimberly-Clark Corporation. Stretchable absorbent undergarment. 4,847,134, 7-11-89, Cl. 428-138.000.
Fahrig, Robert J.; Fitzharris, William D.; and Aderhold Jr., James L., to Amoco Corporation. Process for reducing coke on spent catalyst in a fluid catalytic cracking unit. 4,871,699, 10-3-89, Cl. 502-34.000.
Fahringer, Stephen A. Insect capturing device. 4,817,330, 4-4-89, Cl. 43-133.000.
Fahringer, Thomas L. Device for coupling hooks to pegboard. 4,799,637, 1-24-89, Cl. 248-221.200.
Fahrzeugbau Langendorf GmbH & Co. KG: *See—*
  Wegner, Alfons, 4,865,510, Cl. 414-498.000.
  Wegner, Alfons, 4,865,511, Cl. 414-498.000.
Fai, Kwok W., to Simatelex Manufactory Company Limited. Shock-protected domestic electrical apparatus. 4,860,147, 8-22-89, Cl. 361-50.000.
Faig, Paul, to Chr. Eisele Maschinenfabrik GmbH & Co. KG. Circular saw machine. 4,815,350, 3-28-89, Cl. 83-463.000.
Failes, Michael, to Canadian Instrumentation & Research Ltd. Optical coupler. 4,861,127, 8-29-89, Cl. 350-96.150.
Failla, Stephen J.: *See—*
  Soll, David B.; and Failla, Stephen J., 4,880,017, Cl. 128-898.000.
Failli, Amadeo A.: *See—*
  Kinney, William A.; Failli, Amadeo A.; and Mir, Ghulam N., 4,886,821, Cl. 514-357.000.
  Sabatucci, Joseph P.; Demerson, Christopher A.; and Failli, Amadeo A., 4,810,699, Cl. 514-161.000.
Failli, Amedeo A., to American Home Products Corporation. Production of substituted 1,3,4,9-tetrahydropyrano[3,4-b]indole-1-acetic acids. 4,822,893, 4-18-89, Cl. 548-432.000.
Failli, Amedeo A., to American Home Products Corporation. Substituted 1,2-benzisothiazol-3(2H)-one 1,1-dioxide useful as an an olytic agent. 4,859,671, 8-22-89, Cl. 514-254.000.
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  Tran, Duc T.; and Faillon, Georges, 4,827,192, Cl. 315-5.390.
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Failor, Raymond A.; Hayton, Eugene; and Reuter, Mark, to Hausted Inc. Patient transport apparatus including Trendelenburg mechanis and guard rail. 4,858,260, 8-22-89, Cl. 5-67.000.
Failor, Raymond A.; Peters, Gerald; and Reuter, Mark, to Hausted, In Ophthalmic surgery stretcher. 4,882,797, 11-28-89, Cl. 5-66.000.
Fails, Charles F., deceased: *See—*
  BeVier, William E.; Fails, Charles F., deceased; and Fails, Virginia N., executor, 4,800,027, Cl. 252-18.000.
Fails, Virginia N., executor: *See—*
  BeVier, William E.; Fails, Charles F., deceased; and Fails, Virginia N., executor, 4,800,027, Cl. 252-18.000.
Failure Analysis Associates, Inc.: *See—*
  Mercaldi, David W., 4,845,896, Cl. 51-33.00R.
  Mercaldi, David W., 4,856,233, Cl. 51-281.00R.
Fain, Charles C., to Clemson University. Nested ceramic fibers and piggyback micro-mold method for producing same. [illegible] 1-17-89, Cl. 428-373.000.
Fain, Charles C., to Clemson University. Piggy back method for producing ceramic fibers and non-circular ceramic fibers in particular. 4,820,664, 4-11-89, Cl. 501-95.000.
Fain, John E., Jr., to Dresser Industries, Inc. Impact resistant pressure relief valve. 4,858,642, 8-22-89, Cl. 137-474.000.
Faintani, Joseph J.: *See—*
  Cohen, Ronald; Olesen, Ole L.; Faintani, Joseph J.; and Selpi, George T., 4,820,314, Cl. 48-94.000.
Faiola, Michael S.; and Faiola, Richard J. Greeting card and packag 4,840,275, 6-20-89, Cl. 206-423.000.
Faiola, Richard J.: *See—*
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Fair, Jeffrey D. Protective vest having a cervical collar. 4,822,3[illegible] 4-18-89, Cl. 2-2.000.
Fair, Kenneth J.: *See—*
  Schneider, John C.; Van Weert, Gezinus; and Fair, Kenneth J., 4,834,793, Cl. 75-101.00R.
Fairbairn, James P.: *See—*
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Fairbanks, Bert L. Method of hydrostatic weighing and kit. 4,873,8[illegible] 10-17-89, Cl. 73-437.000.
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  Burton, Gregory N., 4,888,300, Cl. 437-61.000.
  Early, James M., 4,833,521, Cl. 357-68.000.
  Phy, William S., 4,796,080, Cl. 357-70.000.
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  Thomas, Michael E.; Vora, Madhukar B.; and Kapoor, Ashok K. 4,829,363, Cl. 357-71.000.
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  Davis, Charles W., Jr.; Fairchild, Charles L.; Folkers, Jean Marie-Colletti; and Kendall, Robert C., 4,830,870, C 426-599.000.
  Evans, David N.; Fairchild, Charles L.; Kramer, Karl C.; Spr John C.; Wansor, Gerard J.; and Wood, Robert W., 4,87[illegible] Cl. 426-330.300.
Fairchild Industries, Inc.: *See—*
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Fairchild International Inc.: *See—*
  Plumley, Roger D., 4,887,868, Cl. 299-57.000.
Fairchild, Michael G.: *See—*
  Barnard, James A.; and Fairchild, Michael G., 4,811,317, C 369-32.000.
Fairchild, Paul W.; Claney, Jim L.; Fields, William G.; Bishop, Lon Jr.; and Fly, Mark W., to Thermo-Aire Systems, Inc. Low temperature air induction diffuser. 4,876,949, 10-31-89, Cl. 98-40.100.
Fairchild, Robert G.: *See—*
  Crabtree, Timothy L.; Fairchild, Robert G.; and Lindsey, Charles, 4,846,619, Cl. 414-273.000.
Fairchild Semiconductor Corporation: *See—*
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  Deshiens, Donald J.; Eldridge, John W.; and Howell, Paul 4,849,344, Cl. 437-31.000.
  Drummond, Fred; and Clark, James W., 4,804,810, Cl. 219-85.0
  Heald, Raymond A., 4,821,235, Cl. 365-177.000.
  Herndon, William H., 4,857,772, Cl. 307-463.000.
  Herndon, William H.; and Proebsting, Robert J., 4,868,421, C 307-446.000.

  Johnson, Terry J.; and Luk, Timwah, 4,853,646, Cl. 330-256.000.
  Kulkarni, Vivek D.; and Castel, Egil D., 4,824,521, Cl. 156-643.000.
  Maly, Wojciech; and Thomas, Michael E., 4,835,466, Cl. 324-158.00R.
  Menon, Suresh M.; and Cohan, Jay L., 4,795,718, Cl. 307-297.000.
  Phy, William S.; Early, James M.; and Negus, Kevien J., 4,839,717, Cl. 357-74.000.
  Polhemus, Gary D., 4,847,672, Cl. 357-47.000.
  Rupp, Charles R.; and Stronge, William R., 4,882,683, Cl. 364-521.000.
  Wu, Ching-An, 4,890,153, Cl. 357-74.000.
Fairchild, Tim M.; Laska, Caroline; and Ward, Gary H. Separable recombinable multi-part container with separately sealed chambers. 4,883,935, 11-28-89, Cl. 219-10.55E.
Fairchild Weston Systems, Inc.: *See—*
  Balopole, Harvey L.; Martinolich, James J.; Roberts, Arthur; and Sadowski, Henry W., 4,839,726, Cl. 358-166.000.
  Waggener, William N., Sr.; and Keal, John P., 4,829,540, Cl. 375-1.000.
Fairey, Colin B.; Frauenglass, Elliott; and Vincent, Larry W., to Loctite Corporation. Petroleum equipment tubular connection. 4,813,714, 3-21-89, Cl. 285-94.000.
Fairfield Medical Products Corporation: *See—*
  Schindele, Ernst F., 4,807,659, Cl. 137-360.000.
Fairhall, Philip C.: *See—*
  Apps, Howard R.; Lucas, Adrian D.; and Fairhall, Philip C., 4,878,369, Cl. 72-12.000.
Fairhurst, Robert M.: *See—*
  Heron, Roger A.; Saunders, David H.; and Fairhurst, Robert M., 4,854,090, Cl. 51-410.000.
Fairing, John D.: *See—*
  McCarthy, Jon J.; Fairing, John D.; and Buchholz, Jeffrey C., 4,802,748, Cl. 350-507.000.
Fairleigh Dickinson Laboratories, Inc.: *See—*
  Brewer, John H.; and Foster, Terry L., 4,810,629, Cl. 435-5.000.
Fairlie-Clarke, Anthony C.; and Etheridge, Charles O. Pressure controller for a buffer fluid seal. 4,858,937, 8-22-89, Cl. 277-2.000.
Fairlight Instruments Pty. Limited: *See—*
  Topic, Michael W.; and Connolly, Wayne P., 4,829,872, Cl. 84-453.000.
Fairman, Bruce A.; Larsen, Allen J.; Swinton, William G.; and Taylor, Robert G., Jr., to Tandon Corporation. Computer address modification system with optional DMA paging. 4,849,875, 7-18-89, Cl. 364-200.000.
Fairman, F. Eugene; and Jones, William D., to Goldco Industries, Inc. Device, apparatus and method for distribution of fluid and selective movement of articles thereby. 4,828,434, 5-9-89, Cl. 406-88.000.
Fairman, Patricia D., to Eastman Kodak Company. Film cassette. 4,846,418, 7-11-89, Cl. 242-71.100.
Fairman, Patricia D.: *See—*
  Niedospial, John J., Jr.; and Fairman, Patricia D., 4,883,236, Cl. 242-71.100.
Fairman, Ronald E., to General Signal Corporation. Hydraulic isolation valve. 4,860,781, 8-29-89, Cl. 137-118.000.
Fait, Roger J.; and Ellerbrock, Donald H., to Sonoco Products Company. Spin-bonded all plastic can and method of forming same. 4,840,289, 6-20-89, Cl. 220-359.000.
Faita, Giuseppe: *See—*
  Bianchi, Giuseppe; and Faita, Giuseppe, 4,830,721, Cl. 204-151.000.
Faith, Richard W., to Harris Corporation. Keypad/dialler interface for telephone test set. 4,868,858, 9-19-89, Cl. 379-21.000.
Faith, William C.; Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; and Barnes, James L., to Rorer Pharmaceutical Corporation. Imidazolylphenyl and 1,2,4-triazolylphenyl benzopyridazinone and pyridopyridazinone compounds and their use for increasing cardiotonic contractility. 4,806,535, 2-21-89, Cl. 514-248.000.
Faith, William C.: *See—*
  Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; and Faith, William C., 4,826,835, Cl. 514-210.000.
  Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Faith, William C.; and Molino, Bruce F., 4,866,070, Cl. 544-119.000.
  Spada, Alfred P.; Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; Faith, William C.; and Molino, Bruce F., 4,859,672, Cl. 514-254.000.
Faivre, Claude, to Societe a Responsabilite Limitee: Etablissements Faivre. Machine for grading and sorting fish, in particular fish from the salmonidae family. 4,834,455, 5-30-89, Cl. 209-678.000.
Faivre, Michel: *See—*
  Bourbigot, Marie-Marguerite; and Faivre, Michel, 4,795,557, Cl. 210-221.200.
Faner, Michael J.; Mallonen, Edward A.; and Siebenlist, John J., to Eaton Corporation. Overload relay having adaptive differential mechanism. 4,806,897, 2-21-89, Cl. 337-49.000.
Faj, Ludvik: *See—*
  Burysek, Frantisek; Jirka, Bohuslav; Jarolimek, *Zdenek*; and Faj, Ludvik, 4,883,231, Cl. 242-35.50A.
Fajula, Francois; Figueras, Francois; and Moudafi, Latifa, to Centre National de la Recherche Scientifique. Aluminosilicate zeolite having an offretite structure. 4,834,961, 5-30-89, Cl. 423-328.000.
Fajula, Francois; Figueras, Francois; Gueguen, Claude; and Dutartre, Roger, to Elf France. Binary zeolitic systems, their synthesis and their utilization. 4,847,224, 7-11-89, Cl. 502-67.000.
Fakatselis, Thanasi E.: *See—*
  Dome, Ernest M.; Baker, Joel C.; and Fakatselis, Thanasi E., 4,869,882, Cl. 423-206.00T.
Fakirov, Stoyko C.: *See—*
  Evstatiev, Michail G.; Fakirov, Stoyko C.; and Schultz, Jerold M., 4,842,789, Cl. 264-101.000.
Fakner, Emil: *See—*
  Stoll, Kurt; Fakner, Emil; and Preussler, Udo, 4,862,912, Cl. 137-484.200.
Falaas, Dennis O.: *See—*
  Ginkel, Scott T.; and Falaas, Dennis O., 4,857,372, Cl. 428-42.000.
Falasconi, Roland, to Rofalex International Inc. Holder for a panel cutting plate. 4,823,659, 4-25-89, Cl. 33-100.000.
Falat, Ladislav, to Westvaco Corporation. Atmospheric corrosivity monitor. 4,869,874, 9-26-89, Cl. 422-53.000.
Falb, Wolfgang; Ryschka, Martin; and Wallroth, Carl-Friedrich, to Dragerwerk Aktiengesellschaft. Device for supplying anesthetic dispensing systems. 4,825,860, 5-2-89, Cl. 128-203.120.
Falb, Wolfgang: *See—*
  Mohr, Helmut; Falb, Wolfgang; and Wallroth, Carl-Friedrich, 4,867,212, Cl. 141-290.000.
Falbierski, Jean-Jacques, to Jeumont-Schneider Corporation. Anti-backlash device for a pump shaft. 4,836,340, 6-6-89, Cl. 188-82.340.
Falce, Louis R., to Ceradyne, Inc. Dispenser cathode and method of manufacture therefor. 4,823,044, 4-18-89, Cl. 313-346.0DC.
Falchetti, Umberto, to Meccanotecnica Codognese S.p.A. Fuse carrier particularly for vehicles. 4,815,993, 3-28-89, Cl. 439-622.000.
Falchle, Karl-Heinz, to Gebr. Leitz GmbH & Co. Face-milling cutter for a planer. 4,826,363, 5-2-89, Cl. 407-40.000.
Falcimaigne, Jean: *See—*
  Joubert, Philippe; and Falcimaigne, Jean, 4,820,217, Cl. 441-5.000.
Falckenberg, Richard; Hoyler, Gerhard; and Grabmaier, Josef, to Siemens Aktiengesellschaft. Apparatus for parting wafer-shaped silicon bodies, useful for solar cells, from a silicon tape manufactured in a horizontal tape-drawing method. 4,871,517, 10-3-89, Cl. 422-248.000.
Falco, Gene A. Combination manual or impact drive enhancement of portable injection tool. 4,886,188, 12-12-89, Cl. 222-1.000.
Falco, Lucien G.; and Parriaux, Olivier M., to Centre Suisse d'Electronique et de Microtechnique S.A. Microbend fiber-optic sensor. 4,846,547, 7-11-89, Cl. 350-96.290.
Falco, Lucien G.; and Parriaux, Olivier M., to Centre Suisse d'Electronique et de Microtechnique S.A. Optical fiber detection system using an intensity-modulating sensor. 4,887,901, 12-19-89, Cl. 356-352.000.
Falco, Mark: *See—*
  Moglianesi, Carlos J.; Falco, Mark; and Peoples, Leslie, 4,847,936, Cl. 15-167.100.
Falco, Robert N., to Cabot Corporation. Earplugs. 4,867,149, 9-19-89, Cl. 128-864.000.
Falco, Sam C.: *See—*
  Bullivant, Kenneth W.; and Falco, Sam C., 4,819,015, Cl. 340-568.000.
Falcoz, Jean-Francois, to Schlumberger Technology Corporation. Method and apparatus for braking a derrick winch. 4,865,393, 9-12-89, Cl. 303-15.000.
Falcon, John A.: *See—*
  Corti, Aldo; and Falcon, John A., 4,812,225, Cl. 208-13.000.
  Corti, Aldo; and Falcon, John A., 4,828,688, Cl. 208-391.000.
Falcon Rehabilitation Products, Inc.: *See—*
  Houston, Thomas T.; and Metzger, Raymond H., 4,802,542, Cl. 180-65.500.
  Houston, Thomas T.; and Metzger, Raymond H., 4,809,804, Cl. 180-65.500.
Falcon-Steward, Hugh R.: *See—*
  Adams, Roger W.; Falcon-Steward, Hugh R.; and Pearce, David A., 4,852,811, Cl. 241-1.000.
Falconbridge Limited: *See—*
  Bulatovic, Srdjan, 4,853,113, Cl. 209-166.000.
  Bulatovic, Srdjan; and Jessup, Tim M., 4,877,517, Cl. 209-167.000.
  Bulatovic, Srdjan; and Salter, Robert S., 4,880,529, Cl. 209-167.000.
  Kaiura, Gary H.; Jackson, James F.; and Laine, Richard O., 4,814,004, Cl. 75-24.000.
  Thomassen, Thomas; Kostol, Carl O.; Zachariassen, Hans; and Stensholt, Erling, 4,828,809, Cl. 423-39.000.
Falcone, Frank M.: *See—*
  Kuehl, Robert J.; and Falcone, Frank M., 4,864,962, Cl. 116-174.000.
Falconer, Donald R.; and Sneddon, James C., to Universal Industrial Products, a division of Core Industries, Inc. Self-closing invisible hinge with selectively variable closing force. 4,875,252, 10-24-89, Cl. 16-288.000.
Falconer, Harry W. Remote controlled deadness board for croquet. 4,868,564, 9-19-89, Cl. 340-825.690.
Falconer, Ian: *See—*
  Bible, Matthew; Lesage, Marc; and Falconer, Ian, 4,876,886, Cl. 73-151.500.
Falconer, Ian G., to Anadrill, Inc. Method for determining drilling conditions while drilling. 4,852,399, 8-1-89, Cl. 73-151.500.
Falconer, Thomas H.; and Benson, William H., to Eriez Manufacturing Company. Electromagnetic vibratory feeder. 4,880,106, 11-14-89, Cl. 198-763.000.
Falconieri, Remo; and Uggetti, Sergio, to Ing. C. Olivetti & C., S.p.A. Automatic sheet feeder. 4,881,837, 11-21-89, Cl. 400-625.000.
Falcor Group Inc.: *See—*
  Lipman, Leonard H., 4,827,245, Cl. 340-321.000.
Faler, Dennis L.; McCollum, Gregory J.; O'Dwyer, James B.; and Hartman, Marvin E., to PPG Industries, Inc. Method for preparing

stably dispersed nonaqueous microparticle dispersion. 4,833,177, 5-23-89, Cl. 523-221.000.

Faler, Gary R., to General Electric Company. Method for the purification of ion exchange resins used in the production of bisphenol A. 4,847,432, 7-11-89, Cl. 568-727.000.

Faler, Gary R.: *See*—

Cella, James A.; and Faler, Gary R., 4,864,034, Cl. 548-473.000.

Falero, Avelino. Internal combustion engine and piston structure therefore. 4,864,976, 9-12-89, Cl. 123-48.00B.

Falgat, Francis: *See*—

Barbier, Pascal; Falgat, Francis; and Sorel, Alain, 4,829,314, Cl. 343-778.000.

Barbier, Pascal; Falgat, Francis; and Sorel, Alain, 4,878,060, Cl. 343-778.000.

Falgoust, Lee J.: *See*—

London, Norman H.; Greene, Leonard S.; and Falgoust, Lee J., 4,836,894, Cl. 439-598.000.

Falgout, Thomas E., Sr.; and Schoeffler, William N., to Pioneer Fishing and Rental Tools, Inc. Fluid Powered drilling jar. 4,807,709, 2-28-89, Cl. 175-296.000.

Falgout, Thomas E., Sr. Power tong improvement. 4,811,635, 3-14-89, Cl. 81-57.330.

Falgout, Thomas E., Sr.; and Schoeffler, William N., to Team Construction and Fabrication, Inc. Drilling motor deviation tool. 4,811,798, 3-14-89, Cl. 175-73.000.

Falgout, Thomas E., Sr. Well drilling tool. 4,834,196, 5-30-89, Cl. 175-74.000.

Falicoff, Waqidi; Delano, Richard; and Raseman, Chad J. Light transmitting or reflective sheet responsive to temperature variations. 4,877,675, 10-31-89, Cl. 428-204.000.

Falipou, Jean: *See*—

Clot, Jean; and Falipou, Jean, 4,800,723, Cl. 60-545.000.

Falk Company, The: *See*—

Holzman, Richard W., 4,872,502, Cl. 165-39.000.

Falk Corporation, The: *See*—

Pokrandt, Glenn C.; Busser, William F.; Timmermann, Donald N.; and Kuliga, Thomas N., 4,881,921, Cl. 464-54.000.

Falk, Edward K., to CDI Technologies, Inc. Surface detail mapping system. 4,888,713, 12-19-89, Cl. 364-522.000.

Falk, Eric E.: *See*—

Schwaner, Jon M.; and Falk, Eric E., 4,807,804, Cl. 229-52.00B.

Falk, Ernst: *See*—

Bauer, Siegfried; and Falk, Ernst, 4,819,633, Cl. 128-303.170.

Falk, Gertrude: *See*—

Shiells, Richard A.; and Falk, Gertrude, 4,882,146, Cl. 424-10.000.

Falk, John L.: *See*—

Ostroski, Richard J.; Bigley, James E.; Falk, John L.; and Sallee, E. Charles, 4,800,615, Cl. 15-353.000.

Ostroski, Richard J.; Bigley, James E.; Falk, John L.; and Sallee, E. Charles, 4,850,076, Cl. 15-328.000.

Ostroski, Richard J.; Bigley, James E.; Falk, John L.; and Sallee, E. Charles, 4,858,269, Cl. 15-327.00F.

Falk, Karl-Erik L.; Hugosson, Sven M.; Rosinski, Adam; and Sjogren, John A., to Aktiebolaget Hassle. New pharmaceutical preparations with extended release. 4,803,081, 2-7-89, Cl. 424-488.000.

Falk, Leonard P., to Unidynamics Corporation. Cooling system for a multiple-product merchandising machine. 4,831,841, 5-23-89, Cl. 62-381.000.

Falk, R. A.; and Capps, C. D., to Boeing Company, The. Parallel optical arithmetic/logic unit. 4,797,843, 1-10-89, Cl. 364-713.000.

Falk, R. Aaron; and Coleman, Jeffrey O., to Boeing Company, The. Source modulated coherence multiplexed optical signal transmission system. 4,860,279, 8-22-89, Cl. 370-1.000.

Falk, Richard A. Oxide free sampler. 4,815,326, 3-28-89, Cl. 73-864.520.

Falk, Richard A. Thermocouple connector. 4,863,283, 9-5-89, Cl. 374-181.000.

Falk, Richard A.; and Colzani, James, to Midwest Instrument Co., Inc. Immersible probe. 4,881,824, 11-21-89, Cl. 374-140.000.

Falk, Robert A., to Boeing Company, The. Angular reflectance sensor. 4,806,018, 2-21-89, Cl. 356-446.000.

Falk, Robert A.: *See*—

Clark, Kirtland P.; and Falk, Robert A., 4,859,349, Cl. 252-3.000.

Huggins, Raymond W.; and Falk, Robert A., 4,866,698, Cl. 370-1.000.

Krinsky, Jeffrey A.; and Falk, Robert A., 4,859,015, Cl. 350-96.150.

Falk, Ronald J.; and Lee, John S., to Micro Component Technology, Inc. Centering mechanism. 4,866,824, 9-19-89, Cl. 29-33.00R.

Falk, Sidney; and Alex, James M., to K.X.L. Manufacturing, Inc. Axial wafer tumbler lock and key. 4,794,772, 1-3-89, Cl. 70-491.000.

Falk, Steven M.: *See*—

Samaras, George M.; and Falk, Steven M., 4,858,616, Cl. 128-680.000.

Falkenstein, Rudolf; Taumberger, Franz; and Trommer, Reiner, to Siemens Aktiengesellschaft. Transmitting receiving device with a diode mounted on a support. 4,834,490, 5-30-89, Cl. 350-96.200.

Falkevich, Sergei A.; Naumov, Mikhail V.; Shkarlet, Jury M.; Sukhorukov, Dmitry V.; Fedotov, Viktor N.; and Sazonov, Jury I. Ultrasonic flaw detector. 4,856,336, 8-15-89, Cl. 73-598.000.

Falkmann, Ronald A.; and Leveque, Adelard, Jr., to United Technologies Corporation. Rate biased signal noise clipper. 4,866,980, 9-19-89, Cl. 73-117.300.

Falkowski, Leonard S.: *See*—

Stefanska, Barbara J.; Falkowski, Leonard S.; and Borowski, Edward, 4,824,944, Cl. 536-6.[illegible]

Fallas, David M. Automatic case packing apparatus. 4,864,[illegible], 9-12-89, Cl. 53-446.000.

Fallat, Robert J.: *See*—

Snow, Michael G.; Tyler, William P.; Hsu, Sung-Peng; and Fallat, Robert J., 4,796,639, Cl. 128-719.000.

Faller, Bernd: *See*—

Ackermann, Frank; Wollermann-Windgasse, Reinhard; and Faller, Bernd, 4,805,072, Cl. 361-328.000.

Ackermann, Frank; Wollermann-Windgasse, Reinhard; and Faller, Bernd, 4,878,227, Cl. 372-107.000.

Wollermann-Windgasse, Reinhard; Ackermann, Frank; and Faller, Bernd, 4,815,093, Cl. 372-62.000.

Faller, James G., to United States of America, Army. Shear pressure gage. 4,817,435, 4-4-89, Cl. 73-700.000.

Faller, Juergen: *See*—

Haubrich, Gerhard; Prescher, Guenter; and Faller, Juergen, 4,861,902, Cl. 549-499.000.

Faller, Kurt: *See*—

Ackermann, Ulrich; Faller, Kurt; Guzek, Krzysztof; and Meier, Arnold, 4,839,482, Cl. 200-148.00B.

Falleroni, Charlene A.; and Lin, Chia-Cheng, to PPG Industries, Inc. Treatment of glass to reduce venting during thermal treatment and a glass article made thereby. 4,824,712, 4-25-89, Cl. 428-137.000.

Falletti, Florence, to Societe des Ceramiques Techniques. Method of treating polluted oil-in-water emulsions or microemulsions. 4,865,742, 9-12-89, Cl. 210-637.000.

Fallin, Daniel P.: *See*—

Brunett, Peter F.; and Fallin, Daniel P., 4,814,216, Cl. 428-43.000.

Falline, Brian J.; and Weihrauch, Bruce W., to Moline Paint Manufacturing Co. Lacquer coatings and coating process for polyurethane molded articles. 4,855,347, 8-8-89, Cl. 524-267.000.

Falling, Stephen N.: *See*—

Steinmetz, Guy R.; Edgar, Kevin J.; and Falling, Stephen N., 4,885,384, Cl. 562-406.000.

Fallis, Robert: *See*—

Brooks, Mark A.; Fallis, Robert; and Daly, Paul, 4,805,83 C 239-125.000.

Brooks, Mark A.; Fallis, Robert; and Daly, Paul, 4,869,420, C 239-473.000.

Fallis, Robert E.: *See*—

Daly, Paul D.; Brooks, Mark A.; and Fallis, Robert E., 4,813,59 Cl. 123-65.00A.

Daly, Paul D.; Brooks, Mark A.; Fallis, Robert E.; and Cory, Mark S., 4,878,650, Cl. 251-129.150.

Fallon, Merton R.; and Clements, Thomas W., to McDantim, Inc. Gas blending apparatus. 4,874,116, 10-17-89, Cl. 222-399.000.

Fallon, Regis, to La Francaise Metallurgie French Body Corporate. Device for the drilling of wooden panels with a view to their assembly by dowels. 4,834,593, 5-30-89, Cl. 408-115.00R.

Falloon, David R. Tossing game. 4,877,256, 10-31-89, Cl. 273-[illegible]

Falls, Andrew H., to Shell Oil Company. Oil recovery with water containing carbonate salt, CO_2, and surfactant. 4,863,618, 9-5-89, Cl. 252-8.554.

Falls, Andrew H.: *See*—

Kuhlman, Myron I.; Borchardt, John K.; and Falls, Andrew H., 4,856,589, Cl. 166-273.000.

Falls, Arthur E.: *See*—

DiStefano, Thomas H.; Falls, Arthur E.; Halperin, Arnold; and Mackay, John D., 4,868,506, Cl. 324-521.000.

Fallstrom, Robert D.: *See*—

Hanson, Charles M.; Koester, Vaughn J.; and Fallstrom, Robert D., 4,884,137, Cl. 358-108.000.

Faloon, Michael D.: *See*—

Queen, Robert A.; and Faloon, Michael D., 4,801,101, C 296-39.100.

Falotico, Robert; Kanojia, Ramesh M.; Press, Jeffery B.; and Tobia, Alfonso J., to Ortho Pharmaceutical Corporation. Isoquinoline compounds having cardiotonic and phosphodiesterase fraction III inhibiting properties and/or renal vasodilating properties. 4,822,8 4-18-89, Cl. 514-309.000.

Falterman, Wesley E. Seat belt system having shoulder height support. 4,840,404, 6-20-89, Cl. 280-808.000.

Faltermeier, Bernd, to Carl-Zeiss-Stiftung. Microscope photometer tube. 4,889,426, 12-26-89, Cl. 356-432.000.

Faltin, Hans G., to AM International Incorporated. Rotary web paper trimmer with long life shearing surfaces for trimming thick or shingled paper products. 4,854,204, 8-8-89, Cl. 83-500.000.

Faltinowski, John D. Bear control device. 4,815,235, 3-28-89, C 47-24.000.

Falwell, Bobby R.; and Wooley, Orval H. Waterbed footrail 4,862,543, 9-5-89, Cl. 5-508.000.

Falzon, Alfred; and Hoffman, Frederich. Humane animal tr 4,817,313, 4-4-89, Cl. 43-88.000.

Falzoni, GianLuigi; and Pastorello, Valter, to Fiat Auto S.p.A. Motor vehicle gearbox with a device for synchronised engagement of reverse. 4,836,041, 6-6-89, Cl. 74-339.000.

Falzoni, Gianluigi, to Fiat Auto S.p.A. Manual override control for continuously variable transmission. 4,864,894, 9-12-89, Cl. 74-866.00

Fam, Wagih Z., to Canadian Patents & Development Ltd. Poynting vector probe for measuring electrical power. 4,810,954, 3-7-89, C 324-142.000.

Famcy Steel Corporation: *See*—

Wan, Chi-Meen, 4,875,933, Cl. 75-10.170.

Fameccanica S.p.A.: *See*—

Bianco, Carlo; and Susi, Pietro, 4,806,303, Cl. 264-5.000.

Familetti, Harry G.; Lickel, Charles W.; Mauri, Ross A.; Seelbach, Mark E.; and Coltin, Janis L., to International Business Machines Corporation. Method of tailoring an operating system. 4,833,594, 5-23-89, Cl. 364-200.000.

Familetti, Harry G.: *See*—

Bank, Judith H.; Familetti, Harry G.; and Lickel, Charles W., 4,823,261, Cl. 364-200.000.

Famili, Amir; Marten, Finn L.; and Mohanty, Dillip K., to Air Products and Chemicals, Inc. Copolymers of vinyl alcohol and fluorine-containing acrylate monomers. 4,851,472, 7-25-89, Cl. 525-60.000.

Famili, Amir: *See*—

Marten, Finn L.; and Famili, Amir, 4,797,127, Cl. 8-115.600.

Familletti, Philip C.; and Swanson, Judith W., to Hoffmann-La Roche Inc. Colorimetric biological assay. 4,849,347, 7-18-89, Cl. 435-26.000.

Famous Equipment Co., Inc.: *See*—

Banys, Algis R.; and Welsh, Richard S., 4,864,800, Cl. 33-428.000.

Famous Instrument Limited: *See*—

Lam, Chiu K., 4,827,300, Cl. 354-402.000.

Fan, Albert K.; Ginter, Douglas R.; Lenox, Joseph J.; and Henson, Thomas L., to GTE Products Corporation. Method for producing a terbium activated cerium magnesium aluminate phosphor. 4,840,747, 6-20-89, Cl. 252-301.40R.

Fan, Cheolai. Mechanical program-controlled fast range-adjusting device. 4,834,355, 5-30-89, Cl. 269-181.000.

Fan, John C. C.; and Bachner, Frank J., to Massachusetts Institute of Technology. Transparent heat-mirror. 4,822,120, 4-18-89, Cl. 350-1.700.

Fan, John C. C.; Lee, Jhang W.; and Narayan, Jagdish, to Kopin Corporation. Ion implantation and annealing of compound semiconductor layers. 4,863,877, 9-5-89, Cl. 437-22.000.

Fan, John C. C.; Zavracky, Paul M.; Narayan, Jagdish; Allen, Lisa P.; and Vu, Duy-Phach, to Kopin Corporation. Zone-melting recrystallization process. 4,885,052, 12-5-89, Cl. 156-620.700.

Fan, John C. C.; and Zavracky, Paul M., to Kopin Corporation. High temperature photovoltaic system. 4,889,565, 12-26-89, Cl. 136-256.000.

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Bozler, Carl O.; Fan, John C. C.; and McClelland, Robert W., 4,837,182, Cl. 437-82.000.

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Fan, Steve T., to General Mills, Inc. Controlled atmosphere cut fruit package and method. 4,883,674, 11-28-89, Cl. 426-118.000.

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Fan, You-Ling; Stanley, James P.; and Brode, George L., to Union Carbide Chemicals and Plastics Company Inc. Gelable acid viscosifiers. 4,889,887, 12-26-89, Cl. 524-510.000.

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Fancher, Ricky L., to Hurd Lock and Manufacturing Co., Inc. Vehicle lock assembly operable with transmission shifter and method. 4,884,423, 12-5-89, Cl. 70-248.000.

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Fang, Ho T., to Allied-Signal Inc. Ceramic-metal brazed joint for turbochargers. 4,798,320, 1-17-89, Cl. 228-122.000.

Fang, Hongsheng; Zhao, Rufu; Zheng, Yankang; Chen, Ziuyun; He, Guangchu; Gu, Jiaoyou; Zhu, Mingang; Zhang, Zhixin; and Tong, Keqing. Air-cooling low-carbon bainitic steel. 4,812,182, 3-14-89, Cl. 148-330.000.

Fang, Jimmy, to Fei, Peter Tsung-Hou. Loudspeaker system. 4,876,723, 10-24-89, Cl. 381-182.000.

Fang, Rong-Chin, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Three time slot digital subscriber line termination. 4,799,217, 1-17-89, Cl. 370-68.100.

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Rampe, Donald H.; Turnwald, Dennis J.; and Fanger, Louis D., 4,827,700, Cl. 53-587.000.

Fanger, Michael W.; Guyre, Paul M.; and Anderson, Clark L., to Dartmouth College, Trustees of. Monoclonal antibodies to F_c receptors for immunoglobulin G on human mononuclear phagocytes. 4,833,234, 5-23-89, Cl. 530-387.000.

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Fangrow, Thomas F., Jr., to Life Support Products, Inc. Gas pressure regulator mounting yoke. 4,872,641, 10-10-89, Cl. 251-148.000.

Fangrow, Thomas F., Jr.; and Lim, Sam C., to Life Support Products, Inc. Disposable aspirator. 4,880,411, 11-14-89, Cl. 604-149.000.

Fanizzi, Francesco P.; and Maitlis, Peter M., to BP Chemicals Limited. Process for the production of aliphatic ketones. 4,849,545, 7-18-89, Cl. 568-397.000.

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Fankhauser, Peter; Sinnreich, Joel; and Dobmeier, Rolf, to Ciba-Geigy Corporation. Pharmaceutical plaster. 4,855,142, 8-8-89, Cl. 424-434.000.

Fanner, John C., to Onan Corporation. Carburetor altitude compensator apparatus. 4,812,266, 3-14-89, Cl. 261-71.000.

Fannin, Loyd W.; Malpass, Dennis B.; and Rohrer, John R., to Texas Alkyls, Inc. Removal of aluminum alkyl vapor from gas stream. 4,826,665, 5-2-89, Cl. 423-210.000.

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Fanning, Bryce L.; and McMahon, Garfield W., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Vented-pipe projector. 4,855,964, 8-8-89, Cl. 367-159.000.

Fano International Limited: *See*—

Kraaij, Wouter; and Visser, Meindert, 4,887,004, Cl. 315-86.000.

Fanqing, Liu; Junwen, Li; and Jixian, Yao, to Donghei Power College. Method of and apparatus for filtering a medium. 4,851,136, 7-25-89, Cl. 210-798.000.

Fanse, Vinaykumar R.; Jones, Egerton G.; and Nazar, Syed M., to Marine Gas Transport, Ltd. System for transporting compressed gas over water. 4,846,088, 7-11-89, Cl. 114-72.000.

Fanselow, Dan L.: *See*—

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Fanshawe, Hew D.; and Conway, John K., to Metal Box plc. Method of and apparatus for filling a container with gas. 4,813,461, 3-21-89, Cl. 141-4.000.

Fanshel, Sol. Electronic hearing aid with gain control means for eliminating low frequency noise. 4,837,832, 6-6-89, Cl. 381-68.400.

Fansler, John D.: *See*—

Carnell, Brian L.; Fansler, John D.; and Pramanik, Mukunda B., 4,887,782, Cl. 244-234.000.

Fanson, Richard L.; and Denny, Ralph E., to Whirlpool Corporation. Water diverter for spinning basket of automatic washer. 4,888,965, 12-26-89, Cl. 68-23.400.

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Fanta, George; and Shininger, Patricia J., to United States of America, Agriculture. Enzyme immobilization with a hydrolyzed polysaccharide graft copolymer. 4,845,035, 7-4-89, Cl. 435-178.000.

Fanta, George F.; and Otey, Felix H., to United States of America, Agriculture. Moisture-shrinkable films from starch graft copolymers. 4,839,450, 6-13-89, Cl. 527-313.000.

Fantacci, Tosco, to CISAP S.p.A. Equipment for automating the distribution of preparatory solution used in the recapping of tire treads. 4,881,488, 11-21-89, Cl. 118-320.000.

Fantacci, Tosco, to CISAP S.p.A. Handling device for tires to be remolded on vulcanization presses with selection from different stocks of tires. 4,881,882, 11-21-89, Cl. 425-38.000.

Fanti, Luigi, to Courtaulds PLC. Patterned thermoplastics tile and method of making same. 4,828,896, 5-9-89, Cl. 428-67.000.

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Fantle, Willard E., Jr. Baseball bingo game. 4,883,636, 11-28-89, Cl. 273-269.000.

Fantone, Stephen D., to Polaroid Corporation. Fiber optic relay connector. 4,796,969, 1-10-89, Cl. 350-96.180.

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Fantone, Stephen D., to Wickstead, James C. Optical system for projecting an image onto a low resolution photodetector. 4,870,496, 9-26-89, Cl. 358-225.000.

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  Posner, Barry I., and Fantus, I. George, 4,882,171, Cl. 424-616.000.

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  Araki, Hiroshi; Ishii, Hisao; Akiyama, Yoshihisa; Kamada, Hiroshi; and Nagatomi, Takashi, 4,870,744, Cl. 29-568.000.

  Aramaki, Hitoshi, 4,814,998, Cl. 364-474.030.

  Aso, Toshiyuki; and Ishibashi, Tamotsu, 4,814,572, Cl. 219-69.00W.

  Aso, Toshiyuki; and Kita, Yuki, 4,833,291, Cl. 219-69.120.

  Aso, Toshiyuki; Kita, Yuuki; and Watanabe, Sadahiro, 4,857,688, Cl. 219-69.140.

  Aso, Toshiyuki; and Kajitori, Toyotada, 4,858,363, Cl. 219-69.140.

  Aso, Toshiyuki; and Ishibashi, Tamotsu, 4,877,935, Cl. 219-69.120.

  Aso, Toshiyuki; and Hosoda, Hiroshi, 4,880,957, Cl. 219-69.120.

  Egawa, Akira, 4,811,192, Cl. 363-132.000.

  Egawa, Akira, 4,837,789, Cl. 372-82.000.

  Egawa, Akira, 4,876,689, Cl. 372-38.000.

  Egawa, Akira, 4,885,754, Cl. 372-86.000.

  Egawa, Akira, 4,890,216, Cl. 363-124.000.

  Fujioka, Yoshiki; and Kouno, Shinichi, 4,800,327, Cl. 318-798.000.

  Fujioka, Yoshiki; and Hirota, Mitsuhiko, 4,837,491, Cl. 318-625.000.

  Inaba, Yoshiharu; Mitoguchi, Fumio; and Tokunaga, Shigeo, 4,865,536, Cl. 425-556.000.

  Inaba, Yoshiharu; and Tokunaga, Shigeo, 4,877,388, Cl. 425-150.000.

  Ishida, Hiroshi; and Taniguchi, Mitsuyuki, 4,796,005, Cl. 341-11.000.

  Isobe, Shinichi; and Yamauchi, Takashi, 4,802,083, Cl. 364-191.000.

  Isobe, Shinichi; and Kagawa, Yoshimasa, 4,855,657, Cl. 318-602.000.

  Isobe, Shinichi; Miyata, Mitsuto; and Yamauchi, Takashi, 4,882,670, Cl. 364-188.000.

  Iwagaya, Takashi, 4,864,508, Cl. 364-474.190.

  Kamiguchi, Masao; and Umemoto, Hiroshi, 4,812,268, Cl. 264-40.100.

  Kamiguchi, Masao, 4,826,418, Cl. 425-136.000.

  Kamiguchi, Masao, 4,828,475, Cl. 425-150.000.

  Kamiguchi, Masao; and Umemoto, Hiroshi, 4,842,801, Cl. 264-40.100.

  Kamiguchi, Masao; and Hosoya, Yuichi, 4,849,678, Cl. 318-572.000.

  Karube, Norio, 4,800,567, Cl. 372-87.000.

  Karube, Norio, 4,802,184, Cl. 372-82.000.

  Karube, Norio, 4,852,114, Cl. 372-58.000.

  Karube, Norio, 4,866,238, Cl. 219-121.780.

  Karube, Norio; Egawa, Akira; Yamazaki, Etsuo; Iehisa, Nobuaki; and Manabe, Mitsuo, 4,887,272, Cl. 372-38.000.

  Katsuzawa, Yukio; and Masuya, Michi, 4,844,625, Cl. 364-473.000.

  Kawada, Shigeki; Amemiya, Yoichi; Sogabe, Masatoyo; and Iwamatsu, Noboru, 4,796,352, Cl. 29-596.000.

  Kawamura, Hideaki; and Takao, Sasaki, 4,814,999, Cl. 364-474.200.

  Kawamura, Hideaki; Sasaki, Takao; and Matsumura, Teruyuki, 4,821,201, Cl. 364-474.200.

  Kawamura, Hideaki; and Otsuki, Toshiaki, 4,827,446, Cl. 364-900.000.

  Kawamura, Hideaki; and Otsuki, Toshiaki, 4,837,684, Cl. 364-474.110.

  Kawamura, Hideaki; Matsumura, Teruyuki; and Mineshige, Takahiko, 4,855,898, Cl. 364-191.000.

  Kawamura, Hideaki; and Sasaki, Takao, 4,862,380, Cl. 364-474.110.

  Kishi, Hajimu; Matsui, Mitsuo; and Aramaki, Hitoshi, 4,803,633, Cl. 364-474.030.

  Kishi, Hajimu; Sakakibara, Shinsuke; and Ishikawa, Haruyuki, 4,831,235, Cl. 219-125.120.

  Kishi, Hajimu; Takegahara, Takashi; and Yukutomo, Masashi, 4,841,432, Cl. 364-191.000.

  Kishi, Hajimu; Tanaka, Kunio; Yukutomo, Masashi; and Matsumura, Teruyuki, 4,884,211, Cl. 364-474.220.

  Kiya, Nobuyuki; Toriyama, Shuji; and Saiki, Yoshiharu, 4,812,964, Cl. 364-140.000.

  Kiya, Nobuyuki; and Neko, Noriaki, 4,823,274, Cl. 364-476.000.

  Kiya, Nobuyuki; and Maeda, Kimio, 4,878,171, Cl. 364-474.290.

  Kiya, Nobuyuki; and Sakamoto, Keiji, 4,887,012, Cl. 318-434.000.

  Kiya, Nobuyuki; Toriyama, Shuji; and Saiki, Yoshiharu, 4,887,220, Cl. 364-474.110.

  Kobari, Katsuo; Ota, Naoto; Suzuki, Naoyuki; and Kanamori, Yuji, 4,863,389, Cl. 439-83.000.

  Kobari, Katsuo; Takekoshi, Yoshitaka; and Taniguchi, Mitsuyuki, 4,382,529, Cl. 318-602.000.

  Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, 4,811,098, Cl. 358-160.000.

  Kurakake, Mitsuo; and Otsuka, Shoichi, 4,812,836, Cl. 340-724.000.

  Kurakake, Mitsuo, 4,816,728, Cl. 318-568.000.

  Kurakake, Mitsuo; and Sakamoto, Keiji, 4,816,734, Cl. 318-615.000.

  Kurakake, Mitsuo; and Otsuka, Shoichi, 4,829,454, Cl. 364-521.000.

  Kurakake, Mitsuo; Miyashita, Hideo; and Otsuka, Shoichi, 4,837,487, Cl. 318-568.160.

  Kurakake, Mitsuo; and Otsuka, Shoichi, 4,852,024, Cl. 364-521.000.

  Kurakake, Mitsuo; Sakamoto, Keiji; and Toyosawa, Yukio, 4,859,920, Cl. 318-567.000.

  Kurakake, Mitsuo; Sakamoto, Keiji; and Iwamoto, Takashi, 4,873,476, Cl. 318-568.220.

  Kurakake, Mitsuo; and Sakamoto, Keiji, 4,885,515, Cl. 318-567.000.

  Kurakake, Mitsuo; and Sakamoto, Keiji, 4,887,015, Cl. 318-609.000.

  Kurakake, Mitsuo; and Sakamoto, Keiji, 4,890,046, Cl. 318-630.000.

  Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, 4,890,100, Cl. 340-799.000.

  Masao, Kamiguchi; and Hiroshi, Umemoto, 4,847,779, Cl. 364-476.000.

  Matsumura, Teruyuki, 4,853,867, Cl. 364-474.220.

  Matsumura, Teruyuki, 4,878,172, Cl. 364-191.000.

  Matsuura, Hitoshi, 4,870,337, Cl. 318-578.000.

  Mizuno, Tohru; and Ishikawa, Haruyuki, 4,815,011, Cl. 364-513.000.

  Nakamura, Kousei; and Yosnida, Takashi, 4,804,872, Cl. 310-42.000.

  Nakashima, Seiichiro; Toyoda, Kenichi; and Torii, Nobutoshi, 4,835,362, Cl. 219-130.100.

  Neko, Noriaki, 4,802,834, Cl. 425-138.000.

  Neko, Noriaki, 4,805,112, Cl. 364-476.000.

  Neko, Noriaki, 4,806,089, Cl. 425-145.000.

  Neko, Noriaki, 4,826,640, Cl. 264-40.300.

  Neko, Noriaki, 4,837,490, Cl. 318-568.100.

  Neko, Noriaki, 4,841,211, Cl. 318-569.000.

  Neko, Noriaki, 4,846,654, Cl. 425-150.000.

  Neko, Noriaki, 4,847,023, Cl. 264-40.100.

  Obara, Haruki, 4,801,779, Cl. 219-69.00W.

  Obara, Haruki, 4,803,327, Cl. 219-69.00W.

  Obara, Haruki, 4,803,328, Cl. 219-69.00W.

  Obara, Haruki, 4,806,720, Cl. 219-69.00W.

  Obara, Haruki; Aso, Toshiyuki; and Kinoshita, Hiroshi, 4,816,636, Cl. 219-69.00W.

  Obara, Haruki; Aso, Toshiyuki; Kinoshita, Hiroshi; and Ishibashi, Tamotsu, 4,818,848, Cl. 219-69.120.

  Obara, Haruki, 4,820,895, Cl. 219-69.130.

  Obara, Haruki, 4,833,289, Cl. 219-69.180.

  Obara, Haruki, 4,833,290, Cl. 219-69.120.

  Obara, Haruki, 4,864,092, Cl. 219-69.180.

  Obara, Haruki, 4,868,760, Cl. 364-474.040.

  Obara, Haruki, 4,882,464, Cl. 219-69.130.

  Ota, Naoto, 4,809,151, Cl. 363-21.000.

  Otake, Hiromasa, 4,816,196, Cl. 264-40.100.

  Otake, Hiromasa; and Kobayashi, Toshio, 4,828,473, Cl. 425-145.000.

  Otsuki, Toshiaki, 4,870,595, Cl. 364-474.230.

  Sakakibara, Shinsuke; and Karakama, Tatsuo, 4,816,733, Cl. 318-568.000.

  Sakamoto, Keiji; and Kobayashi, Toshio, 4,831,317, Cl. 318-599.000.

  Sakamoto, Keiji; and Toyosawa, Yukio, 4,851,754, Cl. 318-616.000.

  Sakano, Tetsuro, 4,827,203, Cl. 318-667.000.

  Sakano, Tetsuro, 4,859,845, Cl. 250-231.0SE.

  Sakano, Tetsuro, 4,884,226, Cl. 364-560.000.

  Seki, Masaki; and Amano, Norihisa, 4,825,377, Cl. 364-474.290.

  Seki, Masaki; and Samukawa, Kouji, 4,851,986, Cl. 364-191.000.

  Seki, Masaki; and Amano, Norihisa, 4,855,921, Cl. 364-474.290.

  Seki, Masaki; and Amano, Norihisa, 4,855,926, Cl. 364-474.290.

  Seki, Masaki; and Amano, Norihisa, 4,855,927, Cl. 364-474.290.

  Seki, Masaki; and Takegahara, Takashi, 4,870,560, Cl. 364-191.000.

  Seki, Masaki; and Amano, Norihisa, 4,870,597, Cl. 364-474.290.

  Seki, Shinji; and Matsubara, Shunsuke, 4,864,209, Cl. 318-611.000.

  Shibata, Tomoatsu, 4,862,381, Cl. 364-474.360.

  Shima, Atsushi; Fujita, Naoki; and Kamada, Kozo, 4,823,253, Cl. 364-167.010.

  Shima, Atsushi; and Otsuki, Toshiaki, 4,831,542, Cl. 364-474.260.

  Sogabe, Masatoyo; Okuda, Kanemasa; Sakamoto, Keiji; and Matsubara, Shunsuke, 4,882,528, Cl. 318-600.000.

  Tanaka, Kunio; Takegahara, Takashi; and Onishi, Yasushi, 4,799,143, Cl. 364-191.000.

  Tanaka, Kunio; and Onishi, Yasushi, 4,823,255, Cl. 364-191.000.

  Tanaka, Kunio; and Onishi, Yasushi, 4,823,273, Cl. 364-474.290.

  Tanaka, Kunio; and Onishi, Yasushi, 4,823,275, Cl. 364-474.000.

  Tanaka, Kunio; and Onishi, Yasushi, 4,835,700, Cl. 364-474.230.

  Tanaka, Kunio; and Onishi, Yasushi, 4,890,234, Cl. 364-474.230.

  Torii, Nobutoshi; Nihei, Ryo; and Mizuno, Hitoshi, 4,813,844, Cl. 414-730.000.

  Torii, Nobutoshi; and Nihei, Ryo, 4,827,782, Cl. 74-89.150.

  Torii, Nobutoshi; Nihei, Ryo, and Mizuno, Hitoshi, 4,828,094, Cl. 192-139.000.

  Torii, Nobutoshi; and Nihei, Ryo, 4,829,840, Cl. 74-89.150.

  Torii, Nobutoshi; Ito, Susumu; Wakio, Hiroshi; and Iwasaki, Kyoji, 4,836,048, Cl. 74-608.000.

  Torii, Nobutoshi; Mizuno, Hitoshi; and Iwasaki, Kyoji, 4,842,474, Cl. 414-680.000.

  Torii, Nobutoshi; Nihei, Ryo, and Terada, Akihiro, 4,859,139, Cl. 414-744.500.

  Torii, Nobutoshi; Mizuno, Hitoshi; and Iwasaki, Kyoji, 4,877,973, Cl. 307-147.000.

  Toyoda, Kenichi; Mizuno, Tohru; Torii, Nobutoshi; Kanda, Yuichi; and Morikawa, Shigehiro, 4,857,700, Cl. 219-124.340.

  Yamazaki, Etsuo, 4,823,350, Cl. 372-38.000.

  Yamazaki, Etsuo, 4,890,291, Cl. 372-38.000.

  Yamazaki, Etuo, 4,851,750, Cl. 318-576.000.

  Yoshiharu, Inaba, Mitoguchi, Fumio; Kamiguchi, Masao; and Tokunaga, Shigeo, 4,828,476, Cl. 425-150.000.

  Yoshiki, Fujioka; Shinichi, Kouno; and Tatsuo, Shinohara, 4,823,066, Cl. 318-798.000.

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  Egawa, Akira, 4,872,178, Cl. 372-82.000.

  Gamo, Gotaro; and Kinoshita, Mitsuo, 4,843,203, Cl. 219-69.120.

Farace, Louis P.; Bai, Monty W.; and Whittaker, Jerry R., to Motorola, Inc. Turns-to-arm sensor. 4,848,234, 7-18-89, Cl. 102-221.000.

Farach, Orlando F.: *See—*

  Case, Michael B.; and Farach, Orlando F., 4,862,140, Cl. 340-457.200.

Faraco, W. George: *See—*

  Maney, George A., Faraco, W. George; and Parikh, Mihir, 4,815,912, Cl. 414-217.000.

Farah, Hani; Chou, Chai J.; and Roden, Don R., Jr., to Dow Chemical Company, The. Environmental stress failure resistant polycarbonate blend. 4,859,738, 8-22-89, Cl. 525-67.000.

Farah, Khaled S. Combination package for disinfecting and covering toilet seat. 4,881,278, 11-21-89, Cl. 4-243.000.

Farah, Victor. Device for carrying bags, particularly refuse bags. 4,877,207, 10-31-89, Cl. 248-97.000.

Farahani, Mahnaz: *See—*

  McLaughlin, William L.; Al-Sheikhly, Mohamed I.; Chappas, Walter J.; and Farahani, Mahnaz, 4,864,144, Cl. 250-474.100.

Farahany, Amir H. Endotracheal tube sealing cuff system. 4,850,349, 7-25-89, Cl. 128-207.150.

Farahat, Wahib; Bellville, Dennis J.; and Shadrach, Richard L. Optical brightener containing positive working color proofing system. 4,869,993, 9-26-89, Cl. 430-143.000.

Farand, Tobin E., to Apple Computer, Inc. Video apparatus employing VRAMs. 4,884,069, 11-28-89, Cl. 340-799.000.

Faraone, Alexander. Radially arcuated speaker cone. 4,881,617, 11-21-89, Cl. 181-164.000.

Farassat, Farhad, to Emhart Industries Inc. Apparatus for manual wire bonding. 4,878,609, 11-7-89, Cl. 228-4.500.

Farb, Joseph E.; and Chin, Maw R., to Hughes Aircraft Company. Conductive plug for contacts and vias on integrated circuits. 4,837,051, 6-6-89, Cl. 427-97.000.

Farb, Thomas F. Method and device for selecting the appropriate contrast grade photographic for printing a black and white transparency. 4,885,607, 12-5-89, Cl. 355-71.000.

Farber, David A.: *See—*

  Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G., 4,803,619, Cl. 364-200.000.

Farber, Eugene I.; and Forbes, Lyman M., to Ford Motor Company. Automatic headlamp dimming system. 4,862,037, 8-29-89, Cl. 315-83.000.

Farber, Glenn L.; Navarro, Maria C.; Hegemann, Manfred K.; Cohen, Samuel G.; and Cox, Cameron O., to Sherwood Medical Company. Automated microbiological testing apparatus. 4,817,785, 4-4-89, Cl. 198-803.010.

Farber, Glenn L.; and Navarro, Maria C., to Sherwood Medical Company. Automated microbiological testing apparatus and method. 4,856,073, 8-8-89, Cl. 382-6.000.

Farber, Jurgen, to PKL Verpackungssysteme GmbH. Gable-topped container. 4,795,086, 1-3-89, Cl. 229-137.000.

Farber, Jurgen, to PKL Papier- und Kunstoff Werke Linnich GmbH. Liquid packaging container with a filmed-over notch. 4,801,073, 1-31-89, Cl. 229-3.100.

Farber, Jurgen, to PKL Verpackungssysteme GmbH. Package for liquid materials. 4,887,720, 12-19-89, Cl. 206-621.200.

Farberg, Arkady L.: *See—*

  Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasilnikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A., 4,817,120, Cl. 378-45.000.

Farbood, Mohamad I.; and Willis, Brian J., to Fritzsche Dodge & Olcott Inc. Process for producing diol and furan and microorganism capable of same. 4,798,799, 1-17-89, Cl. 435-254.000.

Farceau, Marie-Laure: *See—*

  Belaich, Jean-Pierre; Farceau, Marie-Laure; Peillex, Jean-Paul; and Pavia, Andre, 4,883,753, Cl. 435-167.000.

Fardin, Carlos E.: *See—*

  Dominico, James; Cino, Paul; and Fardin, Carlos E., 4,805,758, Cl. 198-444.000.

Fare, Louis R.: *See—*

  Burnett, William V., Jr.; Eckhardt, Thomas G.; and Fare, Louis R., 4,859,601, Cl. 435-253.500.

  Burnett, William V., Jr.; Eckhardt, Thomas G.; and Fare, Louis R., 4,865,982, Cl. 435-252.350.

Farenden, Mark F.; McGinty, Gerard S.; and Schoenfeld, Peter F., to Ferocem Proprietary Limited. Electronic fuel injector service device. 4,845,979, 7-11-89, Cl. 73-119.00A.

Faret, Svein: *See—*

  Elstein, Rick A.; Faret, Svein; and Mayol, Larry E., 4,834,375, Cl. 273-26.00R.

Fargano, Michael J.: *See—*

  Gorniak, Andrew M.; and Fargano, Michael J., 4,817,147, Cl. 380-49.000.

Farge, Daniel: *See—*

  Barreau, Michel; Comte, Marie-Therese; Farge, Daniel; Malleron, Jean-Luc; Ponsinet, Gerard; and Roussel, Gerard, 4,826,974, Cl. 540-593.000.

  Bouchaudon, Jean; Farge, Daniel; and James, Claude, 4,868,326, Cl. 560-159.000.

Farge, Herve M. J.; and Farge, Jean M. L. Chemical grafting process used to produce a composition, and composition produced thereby. 4,795,801, 1-3-89, Cl. 528-392.000.

Farge, Jean M. L.: *See—*

  Farge, Herve M. J.; and Farge, Jean M. L., 4,795,801, Cl. 528-392.000.

Fargeaud, Daniel A.: *See—*

  Brant, Edward J.; Packard, Thomas N.; and Fargeaud, Daniel A., 4,831,496, Cl. 361-394.000.

Farges, Gilbert, to Gradient "Association regie par la loi de 1901". Cardiorespiratory monitoring apparatus. 4,805,629, 2-21-89, Cl. 128-671.000.

Fargier, Eric; and Mery, Jean-Claude, to Bendix France. Multiple disc brake. 4,798,268, 1-17-89, Cl. 188-71.500.

Fargier, Eric, to Bendix France. Braking device for a vehicle. 4,809,823, 3-7-89, Cl. 188-72.700.

Fargier, Eric; and Pressaco, Pierre, to Bendix France. Method and device for actuating a braking mechanism by a rotating electric motor. 4,809,824, 3-7-89, Cl. 188-72.800.

Fargier, Eric; and Mery, Jean-Claude, to Bendix France. Wear indicator for a friction member of a motor-vehicle brake and friction member equipped with such an indicator. 4,832,160, 5-23-89, Cl. 188-1.110.

Fargier, Eric; and Mery, Jean-Claude, to Bendix France. Multiple disc brake. 4,848,526, 7-18-89, Cl. 188-71.500.

Fargier, Eric; and Mery, Jean-Claude, to Bendix France. Wear indicator for a friction member of an automotive brake. 4,869,350, 9-26-89, Cl. 188-1.110.

Fargnier, Jean A. Automatic door closer having an adjustable torsion spring and configured end fittings. 4,845,811, 7-11-89, Cl. 16-308.000.

Fargnoli, Gianni: *See—*

  Bonfiglioli, Silverio; Fargnoli, Gianni; and Fato, Massimo, 4,886,025, Cl. 123-339.000.

  de Concini, Roberto; and Fargnoli, Gianni, 4,851,611, Cl. 174-52.300.

Fargo Mfg. Co., Inc.: *See—*

  Cumming, Carl P.; and Kraft, Russell H., 4,845,307, Cl. 174-5.00R.

Farhangi, Hassan; and Konings, Johan W. M. E., to U.S. Philips Corporation. Sequential buffer device. 4,841,513, 6-20-89, Cl. 369-59.000.

Farhat, Jon A., to Exhibitronix. Mimetic function simulator. 4,825,136, 4-25-89, Cl. 318-568.100.

Faria, Steve. Oil discharge diffuser. 4,862,995, 9-5-89, Cl. 184-6.230.

Fariabi, Sepehr: *See—*

  Thoma, Paul E.; AbuJodom, David N., II; and Fariabi, Sepehr, 4,881,981, Cl. 148-11.50R.

Farias, Otello: *See—*

  Pittalis, Francesco; Bartoli, Francesco; and Farias, Otello, 4,879,036, Cl. 210-500.380.

Farid, Ainetdin: *See—*

  Linden, Unto; Suvanto, Erkki; and Farid, Ainetdin, 4,865,100, Cl. 152-210.000.

Farid, Samir Y.; and Moody, Roger E., to Eastman Kodak Company. Dye sensitized photographic imaging system. 4,859,572, 8-22-89, Cl. 430-281.000.

Farid, Samir Y.: *See—*

  Chen, Chin H.; Fox, John L.; Specht, Donald P.; and Farid, Samir Y., 4,876,175, Cl. 430-281.000.

Faridi, Hamed A.: *See—*

  Finley, John W.; and Faridi, Hamed A., 4,838,081, Cl. 73-169.000.

Farin, Gunter; Haag, Reiner; and Putz, Peter, to Erbe Elektromedizin GmbH. High frequency electrosurgical apparatus for thermal coagulation of biologic tissues. 4,860,745, 8-29-89, Cl. 128-303.170.

Farina, Alfred J.; and Craig, Laurence B. Gas space heating unit. 4,805,590, 2-21-89, Cl. 126-101.000.

Farina, Carlo; Pinza, Mario; Cerri, Alberto; and Parravicini, Francesco, to I.S.F. Societa Per Azioni. Process for preparing alkoxyalkylidenehydrazinopyridazine derivatives. 4,873,328, 10-10-89, Cl. 544-239.000.

Farina, Carlo: *See—*

  Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, 4,824,861, Cl. 514-425.000.

  Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, 4,868,313, Cl. 548-544.000.

Farina, Daniele; Colombo, Guglielmo; and Bonfanti, Lorenzo, to Delchi/Carrier S.p.A. Overhanging blow-convector for indoor space air-conditioning. 4,854,375, 8-8-89, Cl. 165-53.000.

Farina, Joseph P., to United Technologies Corporation. Precision 50 percent duty cycle controller. 4,885,475, 12-5-89, Cl. 307-261.000.

Farina, Vittorio: *See—*

  Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., 4,847,373, Cl. 540-215.000.

  Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., 4,870,168, Cl. 540-222.000.

Farinacci, Anthony L., to AAI Corporation. Back-actuated forward ignition ammunition and method. 4,823,699, 4-25-89, Cl. 102-443.000.

Farinacci, Michael F.; and Rowell, William A. Aquarium heater. 4,889,973, 12-26-89, Cl. 219-528.000.

Faris, Aziz I.; and Robertson, Perry J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Source follower field-effect logic gate (SFFL) suitable for III-V technologies. 4,885,480, 12-5-89, Cl. 307-448.000.

- Faris, Sadeg M.; Hohenwarter, Gert K. G.; and Whiteley, Stephen R., to Hypres, Incorporated. Low temperature monolithic chip. 4,809,133, 2-28-89, Cl. 361-385.000.
- Faris, Sadeg M., to Hypres, Incorporated. Optical wavelength analyzer and image processing system utilizing Josephson junctions. 4,814,598, 3-21-89, Cl. 250-211.00J.
- Faris, Sadeg M., to Hypres, Incorporated. Femtosecond three-terminal switch and vertical tunnel junction. 4,837,604, 6-6-89, Cl. 357-5.000.
- Faris, Sadeg M.: *See—*
  - Whiteley, Stephen R.; and Faris, Sadeg M., 4,866,302, Cl. 307-352.000.
- Farish, H. Greggs; and Hoge, Ross, to M-A-N Ashton Inc. Continuous web handling apparatus and method of separating web sections. 4,811,880, 3-14-89, Cl. 226-197.000.
- Fariss, James D., to Sun du Jour, Inc. Suntanning gauge. 4,818,491, 4-4-89, Cl. 422-56.000.
- Farjaudon, Jean-Paul: *See—*
  - Cartier, Michel; and Farjaudon, Jean-Paul, 4,806,139, Cl. 65-170.000.
- Farkas, Eva: *See—*
  - Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.
- Farkas, Gregory J.: *See—*
  - Gonda, Gerald J.; and Farkas, Gregory J., 4,802,482, Cl. 119-29.000.
- Farkas-Himsley, Hannah. Bacteriocins and compositions thereof in anti-viral treatment. 4,861,754, 8-29-89, Cl. 514-2.000.
- Farkas, Istran: *See—*
  - Kasa, Zoltan; and Farkas, Istran, 4,811,374, Cl. 378-96.000.
- Farkas, Leslie: *See—*
  - Howland, Howard C.; Schaeffel, Frank; and Farkas, Leslie, 4,834,528, Cl. 351-211.000.
- Farkas nee Kirjak, Maria: *See—*
  - Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
- Farkas, Otto. Uninterruptible power supply system. 4,827,152, 5-2-89, Cl. 307-68.000.
- Farkas, Peter: *See—*
  - Urbanek, Peter; Farkas, Peter; Cvopa, Rudolf; Faskova , Maria; and Drbohlav, Jaroslav, 4,843,207, Cl. 219-121.600.
- Farkas, Richard W.; Rock, David A.; and Anderson, James H., to Fluorocarbon Company, The. Self-regulating heater having a heat tape that stops tracking. 4,889,975, 12-26-89, Cl. 219-548.000.
- Farkonas, John, to Viskase Corporation. Method and apparatus for severing shirred tubular food casing and article. 4,885,821, 12-12-89, Cl. 17-49.000.
- Farler, Charles W. Anti-bounce-out dart. 4,842,285, 6-27-89, Cl. 273-420.000.
- Farley, Brent L. Elastomeric bladder for dispensing ice cream. 4,798,313, 1-17-89, Cl. 222-192.000.
- Farley, David L. Anatomically conformable foam support pad. 4,879,776, 11-14-89, Cl. 5-436.000.
- Farley, David L.: *See—*
  - Rebardi, Wade A.; and Farley, David L., 4,858,690, Cl. 166-278.000.
- Farley, Doyle J.: *See—*
  - Horton, Robert D.; and Farley, Doyle J., 4,881,671, Cl. 224-222.000.
- Farley, Forrest F., Jr.: *See—*
  - Grimm, Michael N.; Farley, Forrest F., Jr.; and Oliver, Randolph C., 4,843,858, Cl. 72-149.000.
- Farley, Inc.: *See—*
  - Downing, Robert E., 4,867,225, Cl. 164-369.000.
  - Hardwicke, Carl S.; Leffel, Howard R., Jr.; and Spatoulas, George S., 4,825,603, Cl. 52-126.600.
- Farley, James R.: *See—*
  - Maier, Alfred E.; and Farley, James R., 4,862,125, Cl. 335-202.000.
- Farley, Marvin, to Eaton Corporation. Ion implantation surface charge control method and apparatus. 4,804,837, 2-14-89, Cl. 250-251.000.
- Farley, Marvin: *See—*
  - Rose, Peter H.; Farley, Marvin; and Grodzins, Lee, 4,804,852. Cl. 250-492.100.
- Farley, Radcliffe W.; Vaughn, Edward A.; Rodman, Clarke A.; and Homonoff, Edward C., to Allied-Signal Inc. Method of manufacture of formed article. 4,812,283, 3-14-89, Cl. 264-518.000.
- Farley, Radcliffe W.: *See—*
  - Twilley, Ian C.; and Farley, Radcliffe W., 4,869,855, Cl. 264-25.000.
- Farley, Robert W.; Kaplan, Lawrence; Rodrigues, Daniel J.; Wahler, Bruce A.; and Motyka, Charles J., to Simplex Time Recorder Co. Monitor/control communication net with intelligent peripherals. 4,796,025, 1-3-89, Cl. 340-825.080.
- Farley, Shal W.; and McCown, William, to Video Animation Systems, Inc. Digital video image converter. 4,816,898, 3-28-89, Cl. 358-11.000.
- Farlotti, Laurent A., to Benson S.A. Pressure wheel device for moving a print medium in a plotter or printer. 4,856,770, 8-15-89, Cl. 271-274.000.
- Farman, Jacqueline. Novelty soap. 4,861,505, 8-29-89, Cl. 252-92.000.
- Farmer, Bert. Packaging device with burst-open seal. 4,872,556, 10-10-89, Cl. 206-484.000.
- Farmer, David K., to Cargo Walker, Inc. Fluid operated transport device, and method. 4,832,168, 5-23-89, Cl. 198-300.000.
- Farmer, David K., to Cargo Walker, Inc. Curtain valve arrangement. 4,867,202, 9-19-89, Cl. 137-625.660.
- Farmer, David M.; and Verrall, Jane A., to Canadian Patents and Development Limited. Method for underwater acoustic direction sensing. 4,800,541, 1-24-89, Cl. 367-424.000.
- Farmer, David M.; and Huston, R. Del, to Canadian Patents & Development Limited. Method and apparatus for simulating phase coherent signal reflections in media containing randomly distributed targets. 4,872,146, 10-3-89, Cl. 367-87.000.
- Farmer, Ed. System for monitoring pipelines. 4,796,466, 1-10-89, Cl. 73-40.50R.
- Farmer, Homer H.: *See—*
  - Rowan, Eugene V.; Karol, Thomas J.; and Farmer, Homer H., 4,889,647, Cl. 252-42.700.
- Farmer, James: *See—*
  - Mobley, Joseph G.; Kozushin, Anatoly; Baher, Saeed; Addison, Steve; Paulk, Howard; and Farmer, James, 4,888,799, Cl. 380-6.000.
- Farmer, James M.: *See—*
  - Read, Randol R.; Warmack, Ralph E.; Farmer, James M.; Henshaw, Jerry D.; and Marshall, Connie T., 4,885,724, Cl. 367-77.000.
- Farmer, Joseph C.: *See—*
  - Bonivert, William D.; Farmer, Joseph C.; and Hachman, John T., 4,812,210, Cl. 204-1.00T.
- Farmer, Lawrence R.: *See—*
  - Boyce, Stephen V.; Lozeau, Robert V.; and Farmer, Lawrence R., 4,837,900, Cl. 24-11.00P.
- Farmer, Marion R., to Aluma-Form, Inc. Apparatus for supporting fiber optic or related cable. 4,795,856, 1-3-89, Cl. 174-40.00R.
- Farmer, Peter H.: *See—*
  - Cartier, George E.; and Farmer, Peter H., 4,814,529, Cl. 525-61.000.
  - Cartier, George E.; and Farmer, Peter H., 4,874,814, Cl. 525-61.000.
- Farmer, Will, Jr. Assemblable tool box for a pickup truck. 4,850,519, 7-25-89, Cl. 224-42.420.
- Farmery, Herbert A.: *See—*
  - Isaacson, William C.; and Farmery, Herbert A., 4,878,408, Cl. 83-444.000.
- Farmitalia Carlo Erba S.p.A.: *See—*
  - Agnes, Giovanni; and Altamura, Maria, 4,795,595, Cl. 260-508.000.
  - Bargiotti, Alberto; Bordoni, Teresa; Zini, Pierangelo; and Penco, Sergio, 4,839,346, Cl. 514-34.000.
  - Bernardi, Luigi; Chiodini, Laura; and Temperilli, Aldemio, 4,861,793, Cl. 514-410.000.
  - Brambilla, Enzo; Mantegani, Sergio; Pegrassi, Lorenzo; Rossi, Alessandro; and Temperilli, Aldemio, 4,839,363, Cl. 514-288.000.
  - Buonamici, Metilde; Pegrassi, Lorenzo; Rossi, Alessandro; and Mantegani, Sergio, 4,847,253, Cl. 514-253.000.
  - Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Salle, Enrico, 4,808,616, Cl. 514-177.000.
  - Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,810,423, Cl. 260-397.400.
  - Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Salle, Enrico, 4,824,830, Cl. 514-177.000.
  - Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,840,943, Cl. 514-177.000.
  - Chiodini, Laura; Gobbini, Mauro; Mantegani, Sergio; Ruggieri, Daniel; Temperilli, Aldemio; Traquandi, Gabriella; and Ferrari, Patrizia, 4,882,315, Cl. 514-26.000.
  - Coccia, Mario, 4,872,494, Cl. 141-383.000.
  - Colombo, Maristella; Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,822,528, Cl. 260-397.300.
  - Cozzi, Paolo; Pillan, Antonio; Bertone, Leone; and Lovisolo, Pier P., 4,801,711, Cl. 544-336.000.
  - Cozzi, Paolo; Ferti, Corrado; Salvati, Patricia; Carganico, Germano; and Pillan, Antonio, 4,882,347, Cl. 514-396.000.
  - Crugnola, Angelo; di Saile, Enrico; and Lombardi, Paolo, 4,797,411, Cl. 514-357.000.
  - Crugnola, Angelo; di Salle, Enrico; and Lombardi, Paolo, 4,847,295, Cl. 514-538.000.
  - Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,816,467, Cl. 514-333.000.
  - Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,826,837, Cl. 514-248.000.
  - Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,853,405, Cl. 514-406.000.
  - Faustini, Franco; di Salle, Enrico; Villa, Vittoria; and Lombardi, Paolo, 4,808,578, Cl. 514-177.000.
  - Gatti, Gaetano; Oldani, Diego; Confalonieri, Carlo; and Gambini, Luciano, 4,840,938, Cl. 514-34.000.
  - Longo, Antonio; Orzi, Fabrizio; Lombardi, Paolo; and Colombo, Maristella, 4,865,766, Cl. 260-397.300.
  - Longo, Antonio; and Lombardi, Paolo, 4,876,045, Cl. 260-397.300.
  - Mantegani, Sergio; Brambilla, Enzo; Temperilli, Aldemio; Ruggieri, Daniela; and Salvati, Patricia, 4,859,678, Cl. 514-269.000.
  - Oppico, Ernesto; Varesio, Carlo; and Rosa, Onorino, 4,861,870, Cl. 536-16.900.
  - Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Franceschi, Giovanni; and Bruna, Costantino D., 4,837,215, Cl. 514-192.000.
  - Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Franceschi, Giovanni; and Bruna, Costantino D., 4,863,914, Cl. 514-192.000.
  - Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Della Bruna, Costantino; and Franceschi, Giovanni, 4,886,793, Cl. 514-192.000.
  - Temperilli, Aldemio; Eccel, Rosanna; Brambilla, Enzo; and Salvati, Patricia, 4,801,588, Cl. 514-274.000.

  - Temperilli, Aldemio; Brambilla, Enzo; Gobbini, Mauro; and Cervini, Maria A., 4,843,073, Cl. 514-288.000.
  - Villa, Vittoria; di Salle, Enrico; and Lombardi, Paolo, 4,873,233, Cl. 514-179.000.
- Farmland Industries, Inc.: *See—*
  - Leavitt, David D.; Kranz, Ken E.; Gorman, Greg A.; and Stewart, Norman L., Jr., 4,808,391, Cl. 423-321.00R.
- Farmont Production GmbH & Co. KG: *See—*
  - Farmont, Rolf, 4,800,803, Cl. 98-2.140.
- Farmont Produktion GmbH & Co. KG.: *See—*
  - Farmont, Rolf, 4,872,722, Cl. 296-214.000.
- Farmont, Rolf, to Farmont Production GmbH & Co. KG. Ventilation device. 4,800,803, 1-31-89, Cl. 98-2.140.
- Farmont, Rolf. Motor vehicle sunroof. 4,844,535, 7-4-89, Cl. 296-216.000.
- Farmont, Rolf, to Farmont Produktion GmbH & Co. KG. Sun roof for vehicles having protective screens. 4,872,722, 10-10-89, Cl. 296-214.000.
- Farmos Group Ltd.: *See—*
  - Karjalainen, Arto J., and Kurkela, Kauko O. A., 4,826,864, Cl. 514-396.000.
- Farmos-Yhtyma Oy: *See—*
  - Lamsa, Jyrki, 4,866,174 Cl. 544-323.000.
- Farmtec B.V.: *See—*
  - van der Veer, Harry M., 4,829,933, Cl. 119-78.000.
  - van der Veer, Harry M., 4,878,455, Cl. 119-57.500.
- Farnaam, Mohammad: *See—*
  - Arnold, William H., III; Farnaam, Mohammad; and Sliwa, Jack, 4,820,611, Cl. 430-271.000.
  - Dixit, Pankaj; Sliwa, Jack; Klein, Richard K.; Sander, Craig S.; and Farnaam, Mohammad, 4,884,123, Cl. 357-71.000.
  - Sliwa, Jack; Farnaam, Mohammad; Dixit, Pankaj; and Shen, Lewis N., 4,847,674, Cl. 357-67.000.
- Farnam, Jeffrey. Four-wheel drive wheel-chair with compound wheels. 4,823,900, 4-25-89, Cl. 180-6.500.
- Farnand, Brian; Matsuura, Takeshi; and Sourirajan, Srinivasa, to Canadian Patents and Development Limited. Reverse osmosis membrane of cellulosic material. 4,814,084, 3-21-89, Cl. 210-500.290.
- Farnand, J. Redmond, to Canadian Patents and Development Limited. Separation of fine solids from petroleum oils and the like. 4,888,108, 12-19-89, Cl. 208-424.000.
- Farnese, Paul L.: *See—*
  - Brooks, John F.; and Farnese, Paul L., 4,808,796, Cl. 219-385.000.
- Farng, Liehpao O.; and Horodysky, Andrew G., to Mobil Oil Corporation. Copper salts of thiodipropionic acid derivatives as antioxidant additives and lubricant compositions thereof. 4,820,430, 4-11-89, Cl. 252-48.600.
- Farng, Liehpao O.; and Horodysky Andrew G., to Mobil Oil Corporation. Copper salts of hindered phenolic carboxylates and lubricants and fuels containing same. 4,828,733, 5-9-89, Cl. 252-42.700.
- Farng, Liehpao O.; and Horodysky, Andrew G., to Mobil Oil Corporation. Mixed hydroquinone-hydroxyester borates as antioxidants. 4,828,740, 5-9-89, Cl. 252-49.700.
- Farng, Liehpao O.: *See—*
  - Doner, John P.; Farng, Liehpao O.; and Horodysky, Andrew G., 4,834,893, Cl. 252-32.70E.
- Farnham, Gil: *See—*
  - Chapin, David S.; Farnham, Gil; and Burgin, Al, 4,881,894, Cl. 431-255.000.
- Farnham, Robert E.; and Prill, Fredric W., to Barber-Greene Company. Safety back-up for metering pump control. 4,839,571, 6-13-89, Cl. 340-606.000.
- Farnhill, William M.: *See—*
  - Barratt, Peter J.; Clough, Douglas O.; Dickinson, Peter J.; and Farnhill, William M., 4,854,117, Cl. 57-301.000.
- Farnsworth, Craig A.; and Waters, Alice, to Gas Research Institute. Vented gas range top burner. 4,850,335, 7-25-89, Cl. 126-299.00R.
- Farnsworth, Fred L. Fencing wire unwinder and tensioner. 4,854,521, 8-8-89, Cl. 242-86.50R.
- Farnsworth, Jack M. Wire tightening apparatus. 4,800,628, 1-31-89, Cl. 24-71.300.
- Farnsworth, Paul B.: *See—*
  - Yang, Frank J.; Farnsworth, Paul B.; Markides, Karin E.; Lee, Milton L.; and Skelton, Ronald J., Jr., 4,851,683, Cl. 250-339.000.
- Farnum, Colin E.; Torney, Allan A.; and McKeown, Bruce P., to Canada Packers Inc. Oil-bearing nut composition and process of making. 4,871,566, 10-3-89, Cl. 426-632.000.
- Farnum, Sylvia A.: *See—*
  - Knudson, Curtis L.; Rindt, John R.; and Farnum, Sylvia A., 4,846,963, Cl. 208-408.000.
- Farnworth, Brian; and Osczevski, Randall J., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Expanding insulating pad. 4,843,664, 7-4-89, Cl. 5-417.000.
- Faron, Eugene J.: *See—*
  - Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., 4,798,735, Cl. 426-578.000.
  - Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., 4,801,470, Cl. 426-578.000.
- Faron, Robert: *See—*
  - Coulon, Michel; Faron, Robert; and Besson, Daniel, 4,852,645, Cl. 165-180.000.
- Farona, Michael F.; and Srinivasan, Ramji, to University of Akron. Method of polymerizing α,ω-diynes. 4,877,917, 10-31-89, Cl. 585-416.000.
- Farone, Joseph D.; and Locker, Richard W., to Ford Motor Company. Method for welding torque converter blades to a housing using a laser welding beam. 4,868,365, 9-19-89, Cl. 219-121.640.
- Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, to Ciba-Geigy Corporation. Pesticidal 2-pyridyl-4,5-dihydro-1,3,4-thiadiazoles. 4,812,464, 3-14-89, Cl. 514-333.000.
- Farooq, Saleem, to Ciba-Geigy Corporation. Pesticidal compositions. 4,853,396, 8-1-89, Cl. 514-333.000.
- Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, to Ciba-Geigy Corporation. 1,4-bis-pyridyl-2,3-diazabutadienes. 4,870,184, 9-26-89, Cl. 546-264.000.
- Farooq, Saleem, to Ciba-Geigy Corporation. 1-carbamoyl-2-pyrazolines, composition containing them, and insecticidal and acaricidal method of using them. 4,874,778, 10-17-89, Cl. 514-403.000.
- Farooqui, Mohammed M.: *See—*
  - Evans, Alan G. R.; and Farooqui, Mohammed M., 4,849,050, Cl. 156-657.000.
  - Evans, Alan G. R.; and Farooqui, Mohammed M., 4,849,069, Cl. 156-643.000.
  - Evans, Alan G. R.; and Farooqui, Mohammed M., 4,849,071, Cl. 156-644.000.
- Faroudja Laboratories, Inc.: *See—*
  - Faroudja, Yves C.; and Campbell, Jack J., 4,864,389, Cl. 358-31.000.
- Faroudja, Yves C. Video processing in which high frequency luminance components are folded into a mid-band spectrum. 4,831,463, 5-16-89, Cl. 358-310.000.
- Faroudja, Yves C. Wideband NTSC-compatible transmission system with noise reduction processing. 4,837,611, 6-6-89, Cl. 358-12.000.
- Faroudja, Yves C.; and Campbell, Jack J., to Faroudja, Yves C. Low level television signal transition booster. 4,847,681, 7-11-89, Cl. 358-37.000.
- Faroudja, Yves C.; and Campbell, Jack J., to Faroudja Laboratories, Inc. Comb filter method and apparatus for chrominance and luminance separation in quadrature modulated color subcarrier television systems. 4,864,389, 9-5-89, Cl. 358-31.000.
- Faroudja, Yves C. Film-to-video converter with scan line doubling. 4,876,596, 10-24-89, Cl. 358-140.000.
- Farque, Claude A., to Oil Dynamics, Inc. Parameter telemetering from the bottom of a deep borehole. 4,876,539, 10-24-89, Cl. 340-856.000.
- Farquhar, Bannister W.; and Sokhey, Jagdish S., to Boeing Company, The. Primary-secondary ventilated flow mixer nozzle for high bypass turbo fan jet propulsion system. 4,819,425, 4-11-89, Cl. 60-226.100.
- Farquhar, David, to University of Texas System, The Board of Regents of the. Biologically reversible phosphate and phosphonate protective groups. 4,816,570, 3-28-89, Cl. 536-27.000.
- Farquhar, David; and Wang, Yuqiang, to Board of Regents, The University of Texas System. Aldophosphamides. 4,841,085, 6-20-89, Cl. 538-180.000.
- Farquhar, George N., to Aktiebolaget Electrolux. Throttle control device. 4,799,468, 1-24-89, Cl. 123-400.000.
- Farquhar, James J., to Alliance Automation Systems, Inc. Head for attachment to a robot to pick up articles. 4,820,113, 4-11-89, Cl. 414-736.000.
- Farquhar, James J.: *See—*
  - Brown, Robert N.; and Farquhar, James J., 4,819,699, Cl. 140-105.000.
- Farquharson, Graeme J.: *See—*
  - Serban, Alexander; Watson, Keith G.; and Farquharson, Graeme J., 4,803,273, Cl. 544-354.000.
  - Watson, Keith G.; Garson, Lynette A.; Bird, Graham J.; and Farquharson, Graeme J., 4,806,141, Cl. 71-121.000.
- Farquharson, Richard A.; and Mitchell, Edwina B., to Dow Chemical Company, The. Insecticidal polymeric compositions. 4,888,174, 12-19-89, Cl. 424-405.000.
- Farr, Aaron V., to Abex Corporation. Optical guidance system and apparatus. 4,856,896, 8-15-89, Cl. 356-153.000.
- Farr, Andrew F.; and Radisch, Herbert R., Jr., to Interventional Technologies Inc. Cutter for atherectomy device. 4,887,613, 12-19-89, Cl. 606-159.000.
- Farr, Barbara J.: *See—*
  - Ardini, Joseph L.; Lefsky, Brian; and Farr, Barbara J., 4,876,501, Cl. 324-73.00R.
- Farr Company: *See—*
  - Raber, Robert R., 4,865,636, Cl. 55-484.000.
- Farr, Glyn P. R., to Lucas Industries public limited company. Vehicle anti-skid braking systems. 4,822,115, 4-18-89, Cl. 303-116.000.
- Farr, Glyn P. R., to Lucas Industries public limited company. Hydraulic anti-lock braking systems for vehicles. 4,846,533, 7-11-89, Cl. 303-113.000.
- Farr, Glyn P. R., to Lucas Industries. Hydraulic anti-lock braking systems for vehicles. 4,883,327, 11-28-89, Cl. 303-116.000.
- Farr, Glyn P. R.: *See—*
  - Mortimer, Ivan; and Farr, Glyn P. R., 4,813,338, Cl. 91-369.200.
- Farr, Richard H.: *See—*
  - Gelardi, Paul J.; Gelardi, Anthony L.; Lowry, Alan B.; Lovecky, Craig S.; and Farr, Richard H., 4,850,477, Cl. 206-45.190.
- Farr, Richard S. Self-alignment bedding. 4,802,250, 2-7-89, Cl. 5-482.000.
- Farr, Robert W. E.: *See—*
  - Clarke, David A.; and Farr, Robert W. E., 4,835,722, Cl. 364-720.000.
- Farr, William F.: *See—*
  - Waldman, Harold L.; Green, Charles B.; Fowler, A. Frederick; and Farr, William F., 4,811,428, Cl. 2-49.00R.
- Farraj, Hefetz. Amusement device with playing pieces rearrangable in slots. 4,877,248, 10-31-89, Cl. 273-153.00S.

- Farrand Optical Co.: *See—*
  - Magarinos, Jose; and Coleman, Daniel, 4,802,719, Cl. 350-3.650.
- Farrant, John L.: *See—*
  - Bez, Eckhard; and Farrant, John L., 4,854,825, Cl. 417-265.000.
- Farrar, Austin P. Sail for a sailing craft. 4,864,954, 9-12-89, Cl. 114-103.000.
- Farrar, David; Flesher, Peter; and Benn, Gerald, to Allied Colloids Ltd. Process for hydrolyzing nitriles. 4,820,872, 4-11-89, Cl. 564-128.000.
- Farrar, David; Langley, John G.; and Allen, Adrian S., to Allied Colloids, Ltd. Water soluble polymeric compositions. 4,835,206, 5-30-89, Cl. 524-457.000.
- Farrar, David; Flesher, Peter; Skinner, Malcolm; Clarke, John; Marshall, David; and Hawe, Malcolm, to Allied Colloids Limited. Water absorbing polymers. 4,880,858, 11-14-89, Cl. 524-60.000.
- Farrar, David: *See—*
  - Allen, Adrian S.; Farrar, David; and Flesher, Peter, 4,861,539, Cl. 264-204.000.
  - Benn, Gerald; Farrar, David; and Flesher, Peter, 4,876,047, Cl. 562-41.000.
  - Field, John R.; Farrar, David; and Flesher, Peter, 4,820,645, Cl. 436-55.000.
  - Flesher, Peter; Langley, John; Rosier, Norma; and Farrar, David, 4,859,720, Cl. 523-332.000.
- Farrar, Dennis J.; and Duckworth, Mark H., to Delaware Capital Formation, Inc. Elevator system having microprocessor-based door operator. 4,832,158, 5-23-89, Cl. 187-103.000.
- Farrar, Frank W. Yieldably reinforced gun grip. 4,833,812, 5-30-89, Cl. 42-71.020.
- Farrar, Jeffrey: *See—*
  - Conti-Ramsden, John N.; Powell, Richard L.; Young, Brian D.; Farrar, Jeffrey; and Brown, Debra K., 4,877,839, Cl. 525-200.000.
- Farrar, John C.; Ney, Reuben E.; Schroeder, James L., III; and Yeager, Patrick F., to AMP Incorporated. Modular connector assembly and filtered insert therefor. 4,820,174, 4-11-89, Cl. 439-95.000.
- Farrar, John C.: *See—*
  - Dawson, Andrew J., Jr.; Farrar, John C.; Pirc, Douglas J.; and Taylor, Atalee S., 4,880,397, Cl. 439-620.000.
- Farrar, Peter G. G.; Wright, Eric; and Peacock, Nicholas J., to Rolls-Royce plc. Intake for a turbopropeller gas turbine engine. 4,796,424, 1-10-89, Cl. 60-268.000.
- Farrar, Timothy J.: *See—*
  - Boyko, James G.; and Farrar, Timothy J., 4,842,313, Cl. 292-341.160.
  - Boyko, James G.; Farrar, Timothy J.; and Peterson, Stephen B., 4,862,640, Cl. 49-213.000.
  - Boyko, James G.; Farrar, Timothy J.; and Peterson, Stephen B., 4,887,390, Cl. 49-214.000.
- Farrauto, Robert J.; Lee, Hyo C.; and Hatfield, W. Robert, to Engelhard Corporation. Low temperature light off ammonia oxidation. 4,863,893, 9-5-89, Cl. 502-325.000.
- Farrel Bridge Limited: *See—*
  - Patel, Sureshchandra R., 4,818,113, Cl. 366-76.000.
- Farrel Corporation: *See—*
  - Borzenski, Frank J., 4,830,506, Cl. 366-76.000.
  - Nortey, Narku O., 4,834,543, Cl. 366-97.000.
- Farrell, Arthur W.; and Remington, James A., to ABC Rail Corporation. Rail brace. 4,824,015, 4-25-89, Cl. 238-336.000.
- Farrell, Brendan F.: *See—*
  - Spencer, Joseph P.; and Farrell, Brendan F., 4,802,210, Cl. 379-445.000.
- Farrell, Christopher J.; Tsai, Boh C.; and Wachtel, James A., to American National Can Company. Polymeric structure having improved barrier properties and method of making same. 4,816,342, 3-28-89, Cl. 428-475.500.
- Farrell, Donald A., II. Apparatus and system for selectively deflating tires, and causing power steering and power brake failures for training drivers. 4,820,166, 4-11-89, Cl. 434-376.000.
- Farrell, Eugene A.: *See—*
  - Robinson, Mark D.; and Farrell, Eugene A., 4,887,772, Cl. 241-92.000.
- Farrell, Gerald T.; and Sakurai, Seiya, to Boeing Company, The. Adjustable assembly for aircraft rudder, brake and nose landing gear steering control. 4,848,708, 7-18-89, Cl. 244-235.000.
- Farrell, Grant D., to Scepter Manufacturing Company Limited. Conduit connector. 4,836,580, 6-6-89, Cl. 285-24.000.
- Farrell, James F., to Litton Systems Canada Limited. Dense LED matrix for high resolution full color video. 4,857,801, 8-15-89, Cl. 313-500.000.
- Farrell, James F.: *See—*
  - Prince, John C.; and Farrell, James F., 4,799,050, Cl. 340-765.000.
- Farrell, John P.: *See—*
  - Lapeyre, James M.; Farrell, John P.; Burch, Ronald H.; Sutton, Mark E.; and Scamardo, Joseph F., Jr., 4,847,954, Cl. 17-54.000.
- Farrell, Mark S.: *See—*
  - Dean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.; Scanlon, John F.; and Wyman, Leslie W., 4,843,541, Cl. 364-200.000.
- Farrell, Nicholas; Hacker, Miles P.; McCormack, John J.; and DeAlmeida, Sergio G., to University of Vermont and State Agricultural College. Bis-platinum complexes as chemotherapeutic agents. 4,797,393, 1-10-89, Cl. 514-188.000.
- Farrell, Nicholas; Hacker, Miles P.; McCormack, John J.; and DeAlmeida, Sergio G., to University of Vermont and State Agricultural College. Bisplatinum complexes as chemotherapeutic agents. 4,871,729, 10-3-89, Cl. 514-188.000.
- Farrell, Robert C., to General Motors Corporation. Unitized wheel bearing assembly. 4,798,560, 1-17-89, Cl. 464-178.000.
- Farrell, Robert C.; and McGregor, David J., to General Motors Corporation. Telescopic tripot universal joint. 4,810,232, 3-7-89, Cl. 464-111.000.
- Farrell, Robert C.; and Lundy, George A., to General Motors Corporation. Wheel bearing assembly. 4,881,842, 11-21-89, Cl. 403-19.000.
- Farrell, Robert H.: *See—*
  - Ovies, Hernando; Katz, Neil A.; Farrell, Robert H.; and Baker, Ernest D., 4,825,357, Cl. 364-200.000.
- Farrell, Robert J.: *See—*
  - Conway, John W.; Farrell, Robert J.; Hirtle, Allen C.; and Niessen, Leonard E., 4,831,620, Cl. 370-85.000.
- Farrell, Robert L.; Sarabi, Alireza; and Tetrick, Raymond S., to Intel Corporation. High speed synchronous/asynchronous local bus and data transfer method. 4,807,109, 2-21-89, Cl. 364-200.000.
- Farren, Edward R.: *See—*
  - Alderman, Chester T.; McDowell, Erin A.; and Farren, Edward R., 4,849,992, Cl. 375-94.000.
- Farrer, Peter B., to Wiltshire Consolidated Limited. Knife sharpener and scabbard. 4,805,350, 2-21-89, Cl. 51-214.000.
- Farrier, Ernest G.: *See—*
  - Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
- Farrington, Allan P.; and Marshall, Gerald M., to Johnson & Johnson. Multi-headed ductless webber. 4,795,335, 1-3-89, Cl. 425-82.100.
- Farrington, Prince D. Plastic liner dispensing system. 4,869,391, 9-26-89, Cl. 220-407.000.
- Farris, Ben J. Auxiliary safety step for round ladder rungs. 4,804,063, 2-14-89, Cl. 182-121.000.
- Farris, David D.: *See—*
  - Austin, Paul E.; Farris, David D.; Reedy, James D.; Blevins, Charles; and Ramdatt, Philbert E., 4,857,583, Cl. 524-761.000.
  - Mehta, Kunj R.; Lehew, Richard A.; Reedy, James D.; Farris, David D.; and Austin, Paul E., 4,847,398, Cl. 556-445.000.
- Farris, Edward T. Vehicle collision safety system. 4,826,209, 5-2-89, Cl. 280-784.000.
- Farris, Jim L. New and improved ratchet tool with rotatable rotor lock and rigid shifter finger. 4,869,138, 9-26-89, Cl. 81-63.000.
- Farris, Jimmy L. Multiple registered image screen printing method and apparatus with removable platens. 4,846,058, 7-11-89, Cl. 101-123.000.
- Farris, John R., to Ex-Cell-O Corporation. Fuel spray device for gas turbine augmentor or afterburner. 4,841,725, 6-27-89, Cl. 60-261.000.
- Farris, Richard D.; Luebbe, John P.; and Quinlivan, Gerald J., to Procter & Gamble Company, The. Antiperspirant stick composition and process for preparing the same. 4,822,603, 4-18-89, Cl. 424-66.000.
- Farris, Richard J.; Cohen, Yachin; and DeTeresa, Steven J. Novel compositions based on reinforcement with microfibrillar networks of rigid-rod polymers. 4,842,924, 6-27-89, Cl. 428-221.000.
- Farris, Robert R.: *See—*
  - Purcell, Robert J.; Simmons, Gerald P.; and Farris, Robert R., 4,817,746, Cl. 180-9.100.
  - Purcell, Robert J.; and Farris, Robert R., 4,819,754, Cl. 180-9.100.
  - Purcell, Robert J.; and Farris, Robert R., 4,874,052, Cl. 180-9.100.
  - Purcell, Robert J.; and Farris, Robert R., 4,881,609, Cl. 180-9.500.
- Farris, Timothy M., to General Motors Corporation. Door handle assembly. 4,805,947, 2-21-89, Cl. 292-336.300.
- Farrish, James H., to FHJ Amino Acid Formula Trust. Disinfectant and cleansing compositions. 4,868,213, 9-19-89, Cl. 514-561.000.
- Farritor, Robert E.: *See—*
  - Boone, James E.; Owens, David W.; Farritor, Robert E.; and Blank, Wesley D., 4,806,317, Cl. 422-145.000.
- Farro, Henry. Arrow rest. 4,796,597, 1-10-89, Cl. 124-41.00A
- Farrow, Cecil W.; Keasler, William E., Jr.; Maruscsak, Joseph; and Shaw, David G., to American Telephone and Telegraph Company, and American Telephone and Telegraph Company, AT&T Information Systems Inc. Local loop test arrangement in an echo canceller based full duplex modem. 4,825,459, 4-25-89, Cl. 379-3.000.
- Farrow, Cecil W., to American Telephone and Telegraph Company, and American Telephone and Telegraph Company, AT&T Information Systems Inc. Continuously variable digital delay circuit. 4,866,647, 9-12-89, Cl. 364-724.100.
- Farrow, Cecil W.: *See—*
  - Cupo, Robert L.; and Farrow, Cecil W., 4,815,103, Cl. 375-14.000.
  - Cupo, Robert L.; and Farrow, Cecil W., 4,843,581, Cl. 364-724.010.
- Farrow, Jimmy W.: *See—*
  - Bradley, Sterling E. L.; and Farrow, Jimmy W., 4,867,057, Cl. 101-21.000.
- Farrow, John F., to Medar, Inc. Structure and method for resistance welding with an inductively coupled power source. 4,804,819, 2-14-89, Cl. 219-91.200.
- Farrow, John F., to Medar, Inc. High frequency resistance spot welding structure and method. 4,831,229, 5-16-89, Cl. 219-117.100.
- Farrow, John F., to Medar, Inc. Method and apparatus for determining the power factor of a circuit. 4,851,635, 7-25-89, Cl. 219-110.000.
- Farrow, John F.; and Schulz, David W., to Medar, Inc. Automatic stepper for resistance welding. 4,885,451, 12-5-89, Cl. 219-110.000.
- Farrugia, Augustin, to SGS Thomson Microelectronics S.A. Protection device for an erasable and reprogrammable read only memory. 4,849,942, 7-18-89, Cl. 365-228.000.

- Farsi, Mark: *See—*
  - Gulla, Michael; Benjamin, Terrell A.; and Farsi, Mark, 4,869,970, Cl. 428-621.000.
- Farthing, Brian R.: *See—*
  - Baggarley, Anthony J.; and Farthing, Brian R., 4,836,477, Cl. 244-147.000.
- Faruk, Erol A.: *See—*
  - Cassidy, Frederick; and Faruk, Erol A., 4,831,050, Cl. 514-422.000.
- Farval AG: *See—*
  - Ortega, Aracelis M., 4,837,032, Cl. 424-469.000.
- Farwaha, Rajeev: *See—*
  - Rempel, Garry L.; Mohammadi, Navroz A.; and Farwaha, Rajeev, 4,812,528, Cl. 525-338.000.
  - Rempel, Garry L.; Mohammadi, Navroz A.; and Farwaha, Rajeev, 4,816,525, Cl. 525-338.000.
- Farwerck, Karl-Peter: *See—*
  - Klimesch, Roger G.; Bleckmann, Gerhard; Farwerck, Karl-Peter; Goertz, Hans-Helmut; and Schlemmer, Lothar, 4,880,585, Cl. 264-141.000.
- Farzin-Nia, Farrokh: *See—*
  - Reher, James F.; and Farzin-Nia, Farrokh, 4,838,786, Cl. 433-9.000.
- Fas Converting Machinery Aktiebolag: *See—*
  - Stenqvist, Jan N., 4,858,844, Cl. 242-67.10R.
- Fasack, Martin L.; Rutz, William A.; and Voll, Robert G., to Honeywell Bull Inc. Method and apparatus for monitoring the operating environment of a computer system. 4,823,290, 4-18-89, Cl. 364-550.000.
- Fasano, Fulvio: *See—*
  - Benedetti, Giampietro, and Fasano, Fulvio, 4,797,154, Cl. 75-46.000.
- Fasano, Michael: *See—*
  - De Luca, Paul V.; Carney, William V.; Neuwirth, Helmuth; and Fasano, Michael, 4,824,403, Cl. 439-714.000.
- Fascenda, Anthony C.; and Gregg, Daniel L., to Newspager Corporation of America. Pager based information system. 4,845,491, 7-4-89, Cl. 340-825.440.
- Fasco Controls Corporation: *See—*
  - Canipe, Michael R., 4,853,502, Cl. 200-61.890.
- Fasco Industries, Inc.: *See—*
  - Ivey, Charles W.; Wilson, David G.; and Thorne, Clarence R., 4,862,334, Cl. 362-149.000.
  - Lakin, Bryan L., 4,800,309, Cl. 310-90.000.
  - Lakin, Bryan L.; and McDaniel, William P. W., 4,840,222, Cl. 165-47.000.
- Fasen, Kenneth: *See—*
  - Miyahira, Ronald T.; and Fasen, Kenneth, 4,882,770, Cl. 455-603.000.
- Fashion Design Studio S.r.l.: *See—*
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- Fasi, Roland; Werner, Giancarlo; and Wolfensberger, Ursula, to Nestec S.A. Steam distillation apparatus. 4,869,785, 9-26-89, Cl. 202-159.000.
- Fasiska, Edward J.: *See—*
  - Flohr, Arno K.; and Fasiska, Edward J., 4,848,823, Cl. 296-98.000.
- Faskova , Maria: *See—*
  - Urbanek, Peter; Farkas, Peter; Cvopa, Rudolf; Faskova , Maria; and Drbohlav, Jaroslav, 4,843,207, Cl. 219-121.600.
- Fasnacht, Floyd A., Jr.; Hacker, Michael G.; Lindsey, Orville L.; and Smentek, Thomas J., to Babcock & Wilcox Company, The. Contact ultrasonic transducer head. 4,868,798, 9-19-89, Cl. 367-104.000.
- Fasnacht, Floyd A., Jr.: *See—*
  - Klahn, Francis C.; Werner, Charles E.; and Fasnacht, Floyd A., Jr., 4,804,038, Cl. 165-11.200.
- Fasnacht, Jeffery L. Orthodontic elastic band and treatment method. 4,818,225, 4-4-89, Cl. 433-18.000.
- Fasola, Giancarlo, to Industrie Magneti Marelli S.r.l. Electromagnetic device for controlling current to a starter motor. 4,801,909, 1-31-89, Cl. 335-126.000.
- Fasola, Giancarlo, to Magneti Marelli S.p.A. Ignition system for an internal combustion engine. 4,825,844, 5-2-89, Cl. 123-643.000.
- Fasold, Dietmar: *See—*
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- Fasolino, Gabriel V., to Sprague Aristo-Aire, Inc. Heater and air conditioning control system. 4,880,031, 11-14-89, Cl. 137-625.120.
- Fasolino, Ross: *See—*
  - Wallace, Barry M.; and Fasolino, Ross, 4,879,814, Cl. 33-234.000.
- Fassbender, Rolf, to Zahnradfabrik Friedrichshafen, AG. Hydrostatic auxiliary steering device. 4,798,256, 1-17-89, Cl. 180-133.000.
- Fassbinder, Hans-Georg; Moodie, Jonathan P.; and Turner, Trenna R., to Kloeckner CRA Technologie GmbH. Method for two-stage melt reduction of iron ore. 4,849,015, 7-18-89, Cl. 75-26.000.
- Fassbinder, Hans-Georg: *See—*
  - Brotzmann, Karl; Fassbinder, Hans-Georg; and Turner, Richard E., deceased, 4,798,624, Cl. 75-38.000.
- Fasse, Walter F. Boot oversole and carrier. 4,843,672, 7-4-89, Cl. 12-120.500.
- Fassel, Reinhard; Haubner, Georg; and Zobl, Hartmut, to Robert Bosch GmbH. Electric switching device. 4,803,590, 2-7-89, Cl. 361-386.000.
- Fassett, James M., II. Graphics cutting system and method for sheet materials. 4,794,698, 1-3-89, Cl. 33-18.100.
- Fassina, Antonio. Pain-relieving composite having a relatively rapid action. 4,889,121, 12-26-89, Cl. 128-381.000.
- Fast Feat Bucket Board Co.: *See—*
  - Menges, William H., Sr.; Menges, William H., Jr.; and Finlay, Douglas, 4,846,076, Cl. 108-42.000.
- Fast Heat Element Manufacturing Co., Inc.: *See—*
  - Crandell, Walter R., 4,795,126, Cl. 249-78.000.
- Fast, Jacob. Merchandise information tag for wire racks. 4,869,007, 9-26-89, Cl. 40-664.000.
- Fast, Jacob. Product information tag with specialized mounting portion. 4,882,868, 11-28-89, Cl. 40-657.000.
- Fast, Jacob. Product identification tag with specialized mounting portion. 4,888,897, 12-26-89, Cl. 40-657.000.
- Fastenau, Robert H. J.: *See—*
  - Van Roosmalen, Johannes T. C.; Fastenau, Robert H. J.; Koorneef, Jacob; Baan Hofman, Matthijs J.; and Klomp, Johannes T., 4,829,211, Cl. 313-402.000.
- Fastenmeier, Karl: *See—*
  - Flachenecker, Gerhard; Fastenmeier, Karl; and Lindenmeier, Heinz, 4,818,954, Cl. 331-183.000.
  - Flachenecker, Gerhard; Fastenmeier, Karl; and Lindenmeier, Heinz, 4,890,073, Cl. 331-55.000.
- Fasterding, Gunter; and Frenzel, Jurgen, to Stahlwerke Peine-Salzgitter AG. Concrete cross sleeper system. 4,802,623, 2-7-89, Cl. 238-44.000.
- FasTest, Inc.: *See—*
  - Meisinger, Stanlee W., 4,884,830, Cl. 285-94.000.
- Fasth, Ingemar: *See—*
  - Karlsson, Jan; and Fasth, Ingemar, 4,800,693, Cl. 52-171.000.
- Fasulo, Gian C.: *See—*
  - Biglione, Gianfranco; and Fasulo, Gian C., 4,849,472, Cl. 525-86.000.
  - Biglione, Gianfranco; and Fasulo, Gian C., 4,866,124, Cl. 525-67.000.
  - Cigna, Giuseppe; Fasulo, Gian C.; Biglione, Gianfranco; and Borghi, Italo, 4,849,473, Cl. 525-86.000.
- Fasulo, Gian Claudio: *See—*
  - Biglione, Gianfranco; and Fasulo, Gian Claudio, 4,868,058, Cl. 428-412.000.
- Fata European Group S.p.A.: *See—*
  - Di Rosa, Gaetano, 4,800,249, Cl. 219-79.000.
- Fatehi, Mohammad T., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical transmission system. 4,878,726, 11-7-89, Cl. 350-96.150.
- Fateley, William G., to D.O.M. Associates, Inc. Stationary, electrically alterable, optical masking device and spectroscopic apparatus employing same. 4,799,795, 1-24-89, Cl. 356-310.000.
- Fateley, William G.; and Tilotta, David C., to D.O.M. Associates, Inc. Raman spectrometer having Hadamard electrooptical mask and diode detector. 4,856,897, 8-15-89, Cl. 356-301.000.
- Fatemi, Reza: *See—*
  - Bovaird, Arthur J.; and Fatemi, Reza, 4,830,975, Cl. 437-41.000.
- Fath, Rolf: *See—*
  - Sommer, Karl; Fath, Rolf; Peschke, Walter; and Bohnaus, Ulrich, 4,868,128, Cl. 436-174.000.
- Fathauer, George H.; and Hood, Charles F., to Berwind Corporation. Capacitance-type material level indicator. 4,800,755, 1-31-89, Cl. 73-304.00C.
- Fatigue Technology, Inc.: *See—*
  - Landy, Michael A.; Thompson, Todd L.; and Wiemann, Larry L., 4,809,420, Cl. 29-523.000.
  - Landy, Michael A., 4,864,732, Cl. 33-178.00B.
  - Landy, Michael A., 4,885,829, Cl. 29-156.80R.
- Fato, Massimo: *See—*
  - Bonfiglioli, Silverio; Fargnoli, Gianni; and Fato, Massimo, 4,886,025, Cl. 123-339.000.
- Fatool, Wade; and Ferraro, Robert J., to Competitive Athletics Technology, Inc. Knee brace. 4,870,956, 10-3-89, Cl. 128-80.00C.
- Fatta-Barou, Jean-Louis: *See—*
  - Minjolle, Louis; Drouet, Michel; Fatta-Barou, Jean-Louis; Callegari, Michel; and Noel, Jacques, 4,853,053, Cl. 156-73.500.
- Fattaruso, John W., to Texas Instruments Incorporated. Comparator circuit having a fast recovery time. 4,883,987, 11-28-89, Cl. 307-355.000.
- Fattedad, Frank D.: *See—*
  - Dvorak, Robert E.; and Fattedad, Frank D., 4,809,987, Cl. 273-254.000.
- Fattic, Gerald T.: *See—*
  - Ho, Thanh; and Fattic, Gerald T., 4,797,549, Cl. 250-227.000.
- Fattom, Ali: *See—*
  - Shilo, Moshe; and Fattom, Ali, 4,826,624, Cl. 252-312.000.
- Fattore, Vittorio: *See—*
  - Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, 4,831,201, Cl. 585-531.000.
  - Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, 4,831,202, Cl. 585-533.000.
- Fattori, Franco, to Honeywell Bull Italia S.p.A. Control circuit for dot matrix printing head. 4,850,724, 7-25-89, Cl. 400-157.200.
- Fattori, Joseph E.; and Wagner, Siegbert O., to Mennen Company, The. Elongated roll-on applicator package with resilient liner. 4,840,511, 6-20-89, Cl. 401-213.000.
- Fattu, James M.: *See—*
  - Gangarosa, Raymond E.; Patrick, Edward A.; Fattu, James M.; and Green, Andrew S., 4,835,690, Cl. 364-413.130.
- Faubel, Werner; and Ali, Sameh A., to Kernforschungszentrum Karlsruhe GmbH. Process for separation of cesium ions from aqueous solutions. 4,826,604, 5-2-89, Cl. 210-661.000.
- Faubert, Pierre: *See—*
  - Dubois, Eric; and Faubert, Pierre, 4,829,367, Cl. 358-31.000.

Faucher, Joseph A., to UOP. Process for inhibiting mono and diethanolamine degradation. 4,840,777, 6-20-89, Cl. 423-229.000.

Faucher, Pascal: *See—*
  Bitller, Jean-Pierre; Faucher, Pascal; Hang-Hu, Monique; and Pelet, Andre, 4,858,068, Cl. 361-380.000.

Faucher, Peter A.: *See—*
  Larrabee, John R.; Lucas, Arthur W.; and Faucher, Peter A., 4,859,143, Cl. 415-142.000.

Fauconet, Michel: *See—*
  Delavarenne, Serge; Fauconet, Michel; Simon, Michel; and Sommer, Jean, 4,840,750, Cl. 260-544.00A.

Fauconnier, Alain: *See—*
  Barruet, Patrick; Fauconnier, Alain; and Carle, Pierre-Regis, 4,859,454, Cl. 424-40.000.

Faucz, Eugene C.: *See—*
  Narang, Ram S.; Perregaux, Alain E.; and Faucz, Eugene C., 4,837,097, Cl. 430-5.000.

Faudi Feinbau GmbH: *See—*
  Solzer, Willi, 4,861,479, Cl. 210-485.000.

Faul, Joseph L. Pallet puller apparatus. 4,869,540, 9-26-89, Cl. 294-116.000.

Faulbecker, Gerd: *See—*
  Schultze, Hans-Jurgen; Faulbecker, Gerd; and Gille, Wilfried, 4,834,691, Cl. 464-131.000.

Faulconer, H. A. Sailboat with leeway reducing keel. 4,860,680, 8-29-89, Cl. 114-140.000.

Faulconer, Mark, to U.S.D. Corp. Digital diving meter. 4,809,550, 3-7-89, Cl. 73-300.000.

Faulder, Leslie J.: *See—*
  Sood, Virendra M.; and Faulder, Leslie J., 4,833,878, Cl. 60-39.060.

Faulhaber, Andreas: *See—*
  Burckhardt, Manfred; Brugger, Franz; and Faulhaber, Andreas, 4,861,118, Cl. 303-110.000.

Faulk, Allen R., Jr.: *See—*
  Cowley, Terry W.; Faulk, Allen R., Jr.; and Knode, Charles R., 4,828,798, Cl. 422-62.000.

Faulk, Michael B.: *See—*
  Trahan, David O.; and Faulk, Michael B., 4,876,017, Cl. 252-8.510.

Faulk, Ward P. Conjugates of apotransferrin proteins with anti-tumor agents. 4,886,780, 12-12-89, Cl. 514-8.000.

Faulkenberry, William E.: *See—*
  Hines, Edward E.; Royer, Lee J.; Jehring, Thomas D.; Faulkenberry, William E.; Posey, Norvan J.; and Richeson, Joseph T., 4,860,602, Cl. 73-865.900.

Faulkerson, James L., to Everex Ti Corporation. Hand-held optical scanner and computer mouse. 4,804,949, 2-14-89, Cl. 340-710.000.

Faulkerson, James L.; Picard, Raymond L.; Menard, Edward J.; Bennett, Sanford M.; McCarthy, Timothy J.; Foden, Edwin S.; Gipe, Michael A.; Moluf, Allan A.; Jacobs, Michael W.; and Boatner Bruce E., to Everex Ti Corporation. Adaptive exposure control system. 4,882,629, 11-21-89, Cl. 358-464.000.

Faulkes, Christopher G.: *See—*
  Baines, David A.; Faulkes, Christopher G.; Tomlinson, Andrew J.; and Ning, Peter C. Y. K., 4,818,535, Cl. 424-407.000.

Faulkner, Clarence F. Fishing reel trigger. 4,850,548, 7-25-89, Cl. 242-256.000.

Faulkner, David W.; and Healey, Peter, to British Telecommunications Public Limited Company. Optical signal network with node by-pass switching capability. 4,815,803, 3-28-89, Cl. 350-96.140.

Faulkner, Fredrik E.: *See—*
  Agee, Keith D.; and Faulkner, Fredrik E., 4,807,441, Cl. 62-3.000.

Faulkner, Gerald D. Intraocular lens inserting tool and method. 4,844,065, 7-4-89, Cl. 128-321.000.

Faulkner, Thomas R.; and Herleikson, Earl C., to Hewlett-Packard Company. Method and apparatus for setting the signal-to-noise ratio of a carrier wave. 4,837,498, 6-6-89, Cl. 324-57.00N.

Faulkner, W. Harrison, III: *See—*
  Slautterback, Fred A.; and Faulkner, W. Harrison, III, 4,844,003, Cl. 118-323.000.

Faulques, Michelle: *See—*
  Danree, Bernard; Faulques, Michelle; Lacolle, Jean-Yves; and Riffaud, Jean-Pierre, 4,880,807, Cl. 514-252.000.

Faulstich, Ingo, to Hermann Pfauter GmbH. Method for machining the flanks of gears by skiving and apparatus for implementing such method. 4,865,497, 9-12-89, Cl. 409-12.000.

Faultersack, David D.: *See—*
  Balogh, Edward, Jr.; Faultersack, David D.; Peter, Jack; Roddy, Stephen P.; and Thune, Eric B., 4,811,275, Cl. 364-900.000.

Faultless-Doerner Manufacturing Inc.: *See—*
  Dicks, Peter, 4,828,212, Cl. 248-406.200.
  Dicks, Peter, 4,834,454, Cl. 297-317.000.

Faupell, Lawrence C.; and Wassom, Steven R., to Morton Thiokol, Inc. Reduced fin span thrust vector controlled pulsed tactical missile. 4,867,393, 9-19-89, Cl. 244-3.220.

Fauquant, Jacques: *See—*
  Brule, Gerard; Roger, Loic; Fauquant, Jacques; and Piot, Michel, 4,816,398, Cl. 435-69.000.

Fauquet, Jean Noel; and Desmons, Gerard, to Thomson Video Equipement. Apparatus for correcting for shading defects in video signals induced by variations in the speed of scanning spots in a TV camera. 4,823,188, 4-18-89, Cl. 358-51.000.

Faure, Bruno: *See—*
  Rocher, Xavier; Faure, Bruno; and Legallais, Lucien, 4,842,445, Cl. 405-172.000.

Faure, Louis: *See—*
  Rochet, Andre; Dubois, Guy; Faure, Louis; and Lalanne, Alain, 4,805,759, Cl. 198-346.100.

Faurie, Andre, to La Cellulose Du Pin. Procedure and device for the elimination of liquid from a layer formed especially through a paper procuding process. 4,808,266, 2-28-89, Cl. 162-102.000.

Fausett, C. Lovon, Sr. Gooseneck assembly for rock drill and method for inserting friction rock stabilizer. 4,889,191, 12-26-89, Cl. 173-1.000.

Faust, Anne-Catherine: *See—*
  Guth, Jean-Louis; Faust, Anne-Catherine; Raatz, Francis; and Lamblin, Jean-Marc, 4,853,203, Cl. 423-328.000.

Faust, Bobby G. Adjustable flow regulating valve. 4,867,198, 9-12-89, Cl. 137-503.000.

Faust, Eberhard; Bossert, Heinz; Niethammer, Kurt; and Ohlhauser, Otto, to Daimler-Benz Aktiengesellschaft. Seat, particularly a vehicle seat. 4,798,416, 1-17-89, Cl. 297-452.000.

Faust, James H., to ABC Auto Alarms, Inc. Anti-theft vehicle hood lock release blocker mechanism. 4,836,591, 6-6-89, Cl. 292-336.300.

Faust, James H., to ABC Auto Alarms, Inc. Push lock actuable anti-theft vehicle device. 4,875,350, 10-24-89, Cl. 70-241.000.

Faust, Steven M.; and Cherukuri, Subraman R., to Warner-Lambert Company. Anesthetic-containing chewing gum compositions. 4,822,597, 4-18-89, Cl. 424-48.000.

Faust, Steven M.; and Cherukuri, Subraman R., to Warner-Lambert Company. Reduced base content chewing gum compositions having anesthetic properties. 4,853,212, 8-1-89, Cl. 424-48.000.

Faust, Steven M.: *See—*
  Cherukuri, Subraman R.; Faust, Steven M.; and Orlandi, Daniel A., 4,803,082, Cl. 424-493.000.
  Glass, Michael; Hoholick, Joseph; Dombroski, Amy; and Faust, Steven M., 4,800,091, Cl. 426-3.000.

Faust, Wayne. Putting device. 4,877,251, 10-31-89, Cl. 273-194.00A.

Faust, William D.: *See—*
  Gettys, James R.; Johnson, Gordon H.; Demiray, Temel; and Faust, William D., 4,882,301, Cl. 501-17.000.

Faustini, Franco; di Salle, Enrico; Villa, Vittoria; and Lombardi, Paolo, to Farmitalia Carlo Erba S.p.A. 6-Alkylidene 10 β-alkynylestrene derivatives and pharmaceutical methods for their use. 4,808,57, 2-28-89, Cl. 514-177.000.

Faustino, Marilia M.; Varia, Sailesh A.; and Serajuddin, Abu T. M., to E. R. Squibb & Sons, Inc. Steriod lotion formulation. 4,868,170, 9-19-89, Cl. 514-179.000.

Fauth, Frederick E., Sr., to American Bottlers Equipment Co., Inc. Conveyor drive unit and method for operation thereof. 4,828,101, 5-9-89, Cl. 198-781.000.

Fauth, Frederick E., Sr.; and Barkley, Paul E., to American Bottlers Equipment Co., Inc. Conveyor drive unit. 4,836,358, 6-6-89, Cl. 198-789.000.

Fauvarque, Jean-Francois: *See—*
  Maurice, Francois; Froyer, Gerard; Pelous, Yvan; Petit, Michel; and Fauvarque, Jean-Francois, 4,863,574, Cl. 204-59.00R.

Fauveau, Patrick; Nedelec, Lucien; Agouridas, Constantin; and Hamon, Gilles, to Roussel Uclaf. Dopaminergic benzimidazol-2-ones. 4,831,043, 5-16-89, Cl. 514-322.000.

Fauver, Jerry S.: *See—*
  Rule, Mark; Fagerburg, David R.; Watkins, Joseph J.; and Fauver, Jerry S., 4,855,393, Cl. 528-212.000.

Favata, Joseph K.: *See—*
  Loomis, Russell M., 4,800,947, Cl. 160-368.100.

Favetto, Guillermo J.; Chiriffe, Jorge; Scorza, Osvaldo C.; and Hermida, Carlos A., to Frigorifico Rio Platense Saici Y F. Time-temperature integrating indicator for monitoring the cooking process of packaged meats in the temperature range of 85–100 degrees celcius. 4,834,017, 5-30-89, Cl. 116-207.000.

Favier, Jean-Jacques: *See—*
  Comera, Jean; Contamin, Pierre; Favier, Jean-Jacques; and Marquet, Guy, 4,797,174, Cl. 156-616.100.

Favini, Carlo: *See—*
  Brasch, William R.; and Favini, Carlo, 4,847,114, Cl. 427-96.000.

Favot, Dino A. Weight lifting apparatus. 4,872,667, 10-10-89, Cl. 272-123.000.

Favre, Anne: *See—*
  Toulhoat, Herve; and Favre, Anne, 4,837,158, Cl. 436-37.000.

Favre, Christian: *See—*
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Favre, Donavon L.: *See—*
  Meinerding, Wesley C., and Favre, Donavon L., 4,807,782, Cl. 222-1.000.

Favre, Eric, to Nestec S.A. Method for the extraction of sealed cartridges for the preparation of beverages. 4,806,375, 2-21-89, Cl. 426-433.000.

Favre, Eric; and Masek, Petr, to Nestec S.A. Device for the extraction of cartridges. 4,846,052, 7-11-89, Cl. 99-295.000.

Favre, Helene; and Audren, Jean T., to Societe de Fabrication d'Instruments de Mesure. Method and apparatus for measuring the airspeed of a helicopter at low speed. 4,794,793, 1-3-89, Cl. 73-178.00H.

Favreau, Ande, to Domtar, Inc. Washing machine packing brace and blank therefor. 4,832,190, 5-23-89, Cl. 206-320.000.

Favreau, Danny W.; and Furr, Clen H. Gasoline superheater. 4,841,94, 6-27-89, Cl. 123-557.000.

Favret, Ugo: *See—*
  Milocco, Claudio; Favret, Ugo; and Martegani, Antonio, 4,799,85, Cl. 415-143.000.

Favro, Lawrence D.: *See—*
  Thomas, Robert L.; Kuo, Pao-Kuang; and Favro, Lawrence D., 4,874,251, Cl. 374-45.000.
  Thomas, Robert L.; Kuo, Pao-Kuang; and Favro, Lawrence D., 4,878,116, Cl. 358-160.000.

Favrou, John M.; Lacey, Christopher A.; and Brock, George W., to Eastman Kodak Co. Inline magnetic head assembly for use in a casette loaded recorder. 4,875,129, 10-17-89, Cl. 360-122.000.

Favstritsky, Nicolai A.; Termine, Enrico J.; and Borden, Dennis M., to Great Lakes Chemical Corporation. Flame retardant ABS resin compositions. 4,829,118, 5-9-89, Cl. 524-412.000.

Favstritsky, Nicolai A.; Nulph, Robert J.; and Borden, Dennis M., to Great Lakes Chemical Corporation. Flame retardant MPPE resin compositions. 4,831,072, 5-16-89, Cl. 524-412.000.

Favstritsky, Nicolai A.; and Borden, Dennis M., to Great Lakes Chemical Corporation. Process for producing polybrominated higher alkylbenzenes. 4,832,873, 5-23-89, Cl. 252-601.000.

Favstritsky, Nicolai A., to Great Lakes Chemical Corporation. Water soluble organic ammonium per halides. 4,886,915, 12-12-89, Cl. 564-503.000.

Favstritsky, Nicolai A.: *See—*
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Faw, Garland. Log wall and corner joint for log building structures. 4,823,528, 4-25-89, Cl. 52-233.000.

Fawcett, Derek J., to Nautech, Ltd. Wheel drive. 4,862,819, 9-5-89, Cl. 114-144.00R.

Fawcett, Keith, to EI Company, Ltd. Battery removal indicator. 4,881,063, 11-14-89, Cl. 340-69[illegible]000.

Fawcett, Martha S.: *See—*
  Fawcett, Sherwood L.; Fawcett, Martha S.; and Cullen, Donald L., 4,794,726, Cl. 47-9.000.

Fawcett, Sherwood L.; Fawcett, Martha S.; and Cullen, Donald L., to Transmet Corporation. Aluminum flake mulch. 4,794,726, 1-3-89, Cl. 47-9.000.

Fawcett, Timothy G.; Harris, William C., Jr.; Newman, Robert A.; Whiting, Lawrence F.; and Knoll, Frank J., to Dow Chemical Company, The. Combined thermal analyzer and x-ray diffractometer. 4,821,303, 4-11-89, Cl. 378-80.000.

Fawcett, William H. Multi-swivel chair. 4,798,361, 1-17-89, Cl. 248-415.000.

Fawn Engineering Corp.: *See—*
  Albright, Henry J., 4,844,294, Cl. 221-75.000.

Fawzi, Mahdi B.: *See—*
  Ghebre-Sellassie, Isaac; Nesbitt, Russell U., Jr.; Iyer, Uma; and Fawzi, Mahdi B., 4,810,501, Cl. 424-469.000.
  Ghebre-Sellassie, Isaac; Gordon, Robert H.; and Fawzi, Mahdi B., 4,814,354, Cl. 424-440.000.
  Mahjour, Majid; Mauser, Bernadette E.; and Fawzi, Mahdi B., 4,879,297, Cl. 514-282.000.
  Murthy, Kuchi S.; Harris, Michael R.; Hokanson, Gerard C.; Reisch, Robert G., Jr.; Fawzi, Mahdi B.; and Waldman, Frank, 4,830,853, Cl. 424-440.000.
  Song, Suk-Zu; Rashidbaigi, Zahra A.; Mehta, Surendra C.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,814,173, Cl. 424-444.000.
  Song, Suk-Zu; Mehta, Surendra C.; Murthy, Kuchi S.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,851,545, Cl. 548-543.000.
  Song, Suk-zu; Rashidbaigi, Zahra A.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,857,313, Cl. 424-81.000.

Faxon, Robert L., Sr., to Kyte, Albert D.; and Faxon, Robert L., Sr. Radial arm saw control mechanism. 4,870,882, 10-3-89, Cl. 83-471.300.

Fay de Casa Juana, Miguel: *See—*
  Sunkel, Carlos; Fay de Casa Juana, Miguel; Dorrego, Fernando; Pando, Basilio; Alvarez-Builla, Julio; Vaquero, Juan J.; Galera, Carlos; and Vazquez, Maria L., 4,880,894, Cl. 548-152.000.

Fay, Fredric S.; Fogarty, Kevin E.; and Rodgers, Cyril, to University of Massachusetts Medical Center. Imaging microspectrofluorimeter. 4,859,063, 8-22-89, Cl. 356-418.000.

Fay, Fredric S.: *See—*
  Fogarty, Kevin E.; Fay, Fredric S.; Isenstein, Louise M.; and Coggins, James M., 4,884,225, Cl. 364-559.000.

Fay, James E., III; and Gierke, Carl J., to Kimberly-Clark Corporation. Manufactured fuel article. 4,810,255, 3-7-89, Cl. 44-14.000.

Fay, James E., III; and Olszewski, James, to Kimberly-Clark Corporation. Composite fuel article. 4,810,256, 3-7-89, Cl. 44-14.000.

Fay, James E., III; Hrubecky, Frederick J.; Mills, Doris A.; Gierke, Carl J.; Heikkinen, Wilbert; Williams, Rory D.; and Lang, James I., to Kimberly-Clark Corporation. Charcoal fuel article. 4,834,774, 5-30-89, Cl. 44-14.000.

Fay, John D.: *See—*
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Fayard, Jean-Claude, to Elf France. Device for improving the feed of diesel engines at low temperatures. 4,850,327, 7-25-89, Cl. 123-557.000.

Fayard, Jean-Claude: *See—*
  Basset, Dominique; Fayard, Jean-Claude; Hermant, Marc; Durual, Pierre; and Germanaud, Laurent, 4,832,859, Cl. 252-51.000.

Faye, Andre. Method and device for establishing bidirectional communications between persons located at different geographically distant stations. 4,805,205, 2-14-89, Cl. 379-96.000.

Faye, Robert; and Henderson, David E., to International Packaging Systems Incorporated. Dispenser for reactive chemicals. 4,867,346, 9-19-89, Cl. 222-145.000.

Fayer, Ervin: *See—*
  Proni, Oscar; Fayer, Ervin; Dominick, George G.; and Cambareri, Carmelo R., 4,887,473, Cl. 73-864.350.

Fayerman, Jeffrey T.; Jones, Michael D.; Michel, Karl H.; Yao, Raymond C.; and Zmijewski, Milton J., to Eli Lilly and Company. Process for producing antibiotic A47934. 4,880,735, 11-14-89, Cl. 435-71.000.

Fayo, Johnny B. Automatic water delivery system. 4,815,941, 3-28-89, Cl. 417-44.000.

Fayolle, Lucien; Mangin, Patrick; and Nincoul, Guy, to Vicarb. Gas/liquid heat exchanger with condensation. 4,850,426, 7-25-89, Cl. 165-111.000.

Faystritsky, Nicolai A.: *See—*
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Fayt, Roger: *See—*
  Teyssie, Philippe; Varshney, Sunil K.; Jerome, Robert; and Fayt, Roger, 4,826,941, Cl. 526-173.000.

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  Biro, Gabor; Breitner, Robert; Fazekas, Gabor; Hejjas, Istvan; Niklai, Peter; Rubik, Erno; Szabo, Karoly; and Tothmatyas, Istvan, 4,817,952, Cl. 273-153.00S.

Fazekas, Peter: *See—*
  Von Criegern, Rolf; Fazekas, Peter; and Fottner, Johannes, 4,860,225, Cl. 364-551.010.

Fazi, Valentino N., Jr.; Murdock, Ronald G.; Hancock, Ernest O.; and McCready, John W., to United States of America, Navy. Low frequency structureborne vibration isolation mount. 4,819,503, 4-11-89, Cl. 74-574.000.

Fazio, Dominick; and Braen, Henry P., to Gradco Acquisition Corporation. Random access sorter. 4,830,358, 5-16-89, Cl. 271-296.000.

Fazio, James A., to United Technologies Corporation. Fast retrace circuit for a deflection amplifier in a cathode ray tube. 4,820,960, 4-11-89, Cl. 315-397.000.

Fazio, Michael J.: *See—*
  Klimpel, Richard R.; Hansen, Robert D.; and Fazio, Michael J., 4,826,586, Cl. 209-167.000.

Fazis, Hermann, to Ludwig Boschert GmbH & Co. KG. Driving unit for mandrels and the like. 4,838,725, 6-13-89, Cl. 403-322.000.

Fazl, Mahmood: *See—*
  Walsh, David J.; Lougheed, William M.; Gentili, Fred; and Fazl, Mahmood, 4,873,975, Cl. 128-334.00R.

Fazlin, Fazal A.; and Lee, Rex A., to Advanced Plasma Systems, Inc. Desmearing and plated-through-hole apparatus. 4,806,225, 2-21-89, Cl. 204-298.000.

Fazlin, Fazal A.; and Corces, Ronald, to Advanced Plasma Systems, Inc. Lamination apparatus having multiple book platens. 4,859,271, 8-22-89, Cl. 156-382.000.

Fazlin, Fazal A.; and Lee, Rex A., to Advanced Plasma Systems, Inc. Desmearing and plated-through-hole method. 4,863,577, 9-5-89, Cl. 204-192.320.

Fazlollahi, Hossein, to Telfonaktiebolaget L M Ericsson. Device for protecting an integrated circuit against overload and short circuit currents. 4,860,154, 8-22-89, Cl. 361-101.000.

Fazzolare, Richard D.; Szwerc, Joseph A.; van Lengerich, Bernhard; and Leschke, Rudolph J., to Nabisco Brands, Inc. Extruded starch snack foods and process. 4,834,996, 5-30-89, Cl. 426-302.000.

Fazzolare, Richard D.; Szwerc, Joseph A.; and McFeaters, Rich, to Nabisco Brands, Inc. Starch snack foods and process. 4,873,093, 10-10-89, Cl. 426-28.000.

FBK International Corporation: *See—*
  Quackenbush, John, 4,840,623, Cl. 604-280.000.
  Quackenbush, John, 4,876,140, Cl. 428-216.000.

FBN Enterprises: *See—*
  Price, Ronald N.; and Price, Kevin S., 4,850,115, Cl. 33-528.000.

FDR Interactive Technologies: *See—*
  Katz, Ronald A., 4,845,739, Cl. 379-92.000.

FDX Patents Holding Company, N.V.: *See—*
  Bussard, Robert W.; and Coppi, Bruno, 4,836,972, Cl. 376-131.000.
  Bussard, Robert W., 4,859,399, Cl. 376-133.000.

Fealey, William S., to Stanley-Bostitch, Inc. Nail driving device with improved nail feeding mechanism. 4,858,812, 8-22-89, Cl. 227-116.000.

Feamster, Kim L., to ITT Corporation. Test adapter for integrated circuit carrier. 4,797,118, 1-10-89, Cl. 439-264.000.

Feamster, Nicholas G.; and Feamster, Robert S. Bicycle crank and pedal structure. 4,850,245, 7-25-89, Cl. 74-594.100.

Feamster, Robert S.: *See—*
  Feamster, Nicholas G.; and Feamster, Robert S., 4,850,245, Cl. 74-594.100.

Fear, Robert E., to Continental Bondware, Inc. Carton with product indicating tab. 4,805,775, 2-21-89, Cl. 206-459.000.

Fearing, Craig F.: *See—*
  Orsburn, Michael L.; Hemsky, Robert L.; Tucker, Terry L.; Schwarz, Robert E.; and Fearing, Craig F., 4,876,589, Cl. 358-22.000.

Fearing, D. Michael: *See—*
  Marks, George B., Sr.; and Fearing, D. Michael, 4,885,855, Cl. 40-301.000.

Fearing Manufacturing Co., Inc.: *See—*
  Marks, George B., Sr.; and Fearing, D. Michael, 4,885,855, Cl. 40-301.000.

Fearnhead, Graham R.: *See—*
  Gale, Simon J.; Fearnhead, Graham R.; and Furnace, Mark L. C., 4,796,188, Cl. 364-443.000.

Fearnside, William T.: *See—*
  Brown, Barry M.; Edwards, Evan A.; Fearnside, William T.; and West, Henry L., 4,851,818, Cl. 340-603.000.
  Orlicki, David M.; and Fearnside, William T., 4,855,982, Cl. 369-44.000.
Fearon, Edward R.; and Fearon, Robert E., to E.A.S. Technologies, Inc. Method of detecting a label used in an anti-theft surveillance system. 4,799,045, 1-17-89, Cl. 340-572.000.
Fearon, Edward R.; and Fearon, Robert E., to E.A.S. Technologies, Inc. Ferromagnetic label for use in anti-theft surveillance system. 4,864,281, 9-5-89, Cl. 340-572.000.
Fearon, Robert E.: *See—*
  Fearon, Edward R.; and Fearon, Robert E., 4,799,045, Cl. 340-572.000.
  Fearon, Edward R.; and Fearon, Robert E., 4,864,281, Cl. 340-572.000.
Feaster, Fred T. Intraocular lens with variable circumference encircling haptic. 4,842,600, 6-27-89, Cl. 623-6.000.
Feather, Landis E.; Girgis, Ramsis S.; McCormick, Leach S.; and Sletten, Andreas M., to Electric Power Research Institute, Inc. High-voltage windings for shell-form power transformers. 4,859,978, 8-22-89, Cl. 336-186.000.
Feather, Landis E.; Martincic, Paul W.; Holm, Richard D.; and Thompson, Richard E., to Electric Power Research Institute, Inc. High-voltage winding for core-form power transformers. 4,864,266, 9-5-89, Cl. 336-150.000.
Featherstone, John D. B.; Cooper, Lyndon F.; Myers, Michael L.; and Nelson, Dennis G. A., to Eastman Dental Center. Method for bonding of restorative materials to a tooth. 4,874,315, 10-17-89, Cl. 433-215.000.
Featherstone, John L.; Spang, S. Timothy; Newell, David G.; and Gallup, Darrell L., to Union Oil Company of California. Process and apparatus for reducing the concentration of suspended solids in clarified geothermal brine. 4,874,529, 10-17-89, Cl. 210-713.000.
Featherstone, John L.: *See—*
  Pye, D. Stephen; Featherstone, John L.; Gallup, Darrell L.; Gritters, Gregory A.; Hoyer, Daniel P.; and Wong, Morton M., 4,869,066, Cl. 60-641.500.
Feay, Darrell C.: *See—*
  Anand, Joginder N.; Feay, Darrell C.; Bales, Stephen E.; and Jeanes, Thomas O., 4,818,254, Cl. 55-316.000.
  Anand, Joginder N.; Bales, Stephen E.; Feay, Darrell C.; and Jeanes, Thomas O., 4,840,646, Cl. 55-16.000.
FEC Co., Ltd.: *See—*
  Yoshizawa, Isamu; Yanai, Ginjiro; and Matsuda, Seiichi, 4,831,858, Cl. 72-249.000.
Fechant, Louis: *See—*
  Belbel, Elie; Fechant, Louis; Vergez, Andre; and Riotte, Jean P., 4,816,958, Cl. 361-93.000.
Feche, Pierre: *See—*
  Desbiolles, Jack; and Feche, Pierre, 4,817,981, Cl. 280-633.000.
Fechner, Jimmy R., to Storage Technology Corporation. Head-to-disk interference detector. 4,812,927, 3-14-89, Cl. 360-75.000.
Fecht, David C., to Sherwood Medical Company. Medical tube device. 4,795,446, 1-3-89, Cl. 604-264.000.
Fecht, David C.; Ferguson, Thomas B.; Crouther, Ronald; and Ranford, Alan B., to Sherwood Medical Company. Intercavity catheter. 4,842,589, 6-27-89, Cl. 604-280.000.
Fechter, Horst: *See—*
  Schmidt, Manfred; and Fechter, Horst, 4,816,412, Cl. 436-33.000.
Fechter, Robert B.; and Gardikes, John J., to Ashland Oil, Inc. Cold-box process for forming foundry shapes which utilizes certain carboxylic acids as bench life extenders. 4,852,629, 8-1-89, Cl. 164-16.000.
Fechtig, Bruno; and Baschang, Gerhard, to Ciba-Geigy Corporation. Saccharide derivatives and processes for their manufacture. 4,873,322, 10-10-89, Cl. 536-4.100.
Fecondini, Luciano, to W. R. Grace & Co. Hemodiafiltration device. 4,861,485, 8-29-89, Cl. 210-641.000.
Fecteau, Gilles: *See—*
  Narancic, Vojislav; and Fecteau, Gilles, 4,855,705, Cl. 337-246.000.
Fedaravichjus, Algimantas Y.; Kazla, Algis A.; Rimshyalis, Klemensas K.; and Ragulskis, Kazimeras M. Apparatus for threading a wire through magnetic cores of a memory matrix. 4,841,629, 6-27-89, Cl. 29-737.000.
Feddick, Michael R. Drive engagement apparatus. 4,880,328, 11-14-89, Cl. 403-1.000.
Fedele, Brian: *See—*
  Liberman, Barnet L., 4,840,034, Cl. 62-64.000.
  Liberman, Barnet L., 4,840,035, Cl. 62-64.000.
Fedele, Joseph: *See—*
  Liberman, Barnet L., 4,840,034, Cl. 62-64.000.
  Liberman, Barnet L., 4,840,035, Cl. 62-64.000.
Fedele, Nicola J., to General Electric Company. Modified statistical coding of digital signals. 4,813,056, 3-14-89, Cl. 375-27.000.
Fedele, Nicola J.; Acampora, Alfonse A.; Bunting, Richard M.; and Waldman, Harvey, to General Electric Company. Refresh system for digital signals with refresh cycle synchronization. 4,831,439, 5-16-89, Cl. 358-133.000.
Fedele, Nicola J., to General Electric Company. Computer device display system using conditionally asynchronous memory accessing by video display controller. 4,858,107, 8-15-89, Cl. 364-200.000.
Fedele, Nicola J.: *See—*
  Hingorani, Rajesh; and Fedele, Nicola J., 4,821,290, Cl. 375-25.000.
  Simon, Allen H.; Sprague, David L.; Keith, John M.; Patti, Michael F.; Harney, Kevin; Ryan, Lawrence D.; Fedele, Nicola J.; and Astle, Brian, 4,823,201, Cl. 358-133.000.
Fedelem, William E.; and Hutter, Robert B., to Chrysler Motors Corporation. Fuel filler assembly. 4,886,182, 12-12-89, Cl. 220-85.00F.
Fedeli, Gianfranco; Diamantini, Giuseppe; Djaczenko, Wiktor; and Strumillo, Maria, to Djaczenko, Wiktor; and Strumillo, Maria. 2-Trichloroacetoxy-3,4,5,6-tetrachlorobenzoic acid and compositions containing same for treating benign mammalian neoformations. 4,871,769, 10-3-89, Cl. 514-550.000.
Fedeli, Jean-Marc; and Magnin, Joel, to Commissariat a l'Energie Atomique. Duplicator in a magnetic bubble memory and process for duplicating bubbles therein. 4,881,198, 11-14-89, Cl. 365-12.000.
Feder, Irving. Self-contained underwater drinking apparatus for scuba divers. 4,815,893, 3-28-89, Cl. 405-186.000.
Feder, Joseph; Tolbert, William R.; Rademacher, Thomas W.; Parekh, Raj B.; and Dwek, Raymond A., to Monsanto Company. Tissue plasminogen activator oligosaccharide from normal human colon cells. 4,851,517, 7-25-89, Cl. 536-1.100.
Feder, Joseph: *See—*
  Schaumann, Jon P.; Olander, Jitka V.; Harakas, Nicholaos K.; and Feder, Joseph, 4,833,085, Cl. 435-240.270.
  Schaumann, Jon P.; Olander, Jitka V.; Hrakas, Nicholaos K.; and Feder, Joseph, 4,889,922, Cl. 530-413.000.
Federal Industries Industrial Group Inc.: *See—*
  Woodward, Steven J., 4,890,266, Cl. 367-99.000.
Federal-Mogul Corporation: *See—*
  Alexander, Robert G.; and Pratt, George C., 4,818,628, Cl. 428-561.000.
  Babcock, Bryce W., 4,808,015, Cl. 384-609.000.
  Boyers, Douglas B.; and Wilkening, Steven R., 4,856,794, Cl. 277-37.000.
  Butler, John D.; and Chandler, Jon A., 4,822,058, Cl. 277-152.000.
  Drewes, Douglas A.; and Yee, Phillip D., 4,883,154, Cl. 192-98.000.
  Fisher, Eugenia T.; and Best, William D., 4,808,323, Cl. 252-15.000.
  Haynie, Robert N., 4,856,235, Cl. 51-289.00R.
  Holtz, Glen D., 4,808,148, Cl. 474-112.000.
  Ladin, Eli M., 4,815,867, Cl. 384-617.000.
  Norland, Richard S., 4,827,559, Cl. 15-322.000.
  Sakarcan, Metin, 4,854,295, Cl. 125-15.000.
  Trentadue, Frederick, 4,817,581, Cl. 125-14.000.
Federal Paper Board Company, Inc.: *See—*
  Blackman, Stephen M., 4,799,594, Cl. 206-626.000.
  Blackman, Stephen M., 4,838,414, Cl. 206-175.000.
  Blackman, Stephen M., 4,850,529, Cl. 229-904.000.
  Brown, William M.; and DeCarlo, Frances, 4,813,594, Cl. 229-103.000.
Federal Pioneer Limited: *See—*
  Swift, Glenn W., 4,796,144, Cl. 361-42.000.
Federal Signal Corporation: *See—*
  Gosswiller, Earl W., 4,847,590, Cl. 340-405.000.
Federhen, Bernd; and May, Manfred, to Alb. Klein GmbH & Co. KG. Method and apparatus for introducing bulk material into a pneumatic conveyor conduit. 4,850,751, 7-25-89, Cl. 406-127.000.
Federici, Franco; Pin, Giorgio; Cozzi, Ennio; and Trovati, Aldo, to Montedison S.p.A. High-functionality compositions based on fluorinated and silanized polyisocyanates and varnishes prepared therefrom. 4,851,475, 7-25-89, Cl. 525-104.000.
Federici, Franco; Pallozzi, Franco; Cozzi, Ennio; and Turco, Pietro. Monocomponent polyurethane adhesives. 4,873,307, 10-10-89, Cl. 528-60.000.
Federico, Anthony M.: *See—*
  Carter, Jeff C.; Federico, Anthony M.; and Comparetta, Christopher, 4,800,521, Cl. 364-900.000.
  Sherry, Randy; Federico, Anthony M.; and Nguyen, Tuan A., 4,870,644, Cl. 371-16.100.
Federico, Joseph W.; and Whittenberger, Daniel J., to Herrero, Luis A. Sidewalk edging device. 4,852,260, 8-1-89, Cl. 30-292.000.
Federle, Hartmut; and Walther, Friedrich, to B.A.T. Cigarettenfabriken GmbH. Method for controlling at least two of the physical properties, decisive for the quality of the finished smokable article, of a material rod of filter or tabacco material. 4,848,370, 7-18-89, Cl. 131-84.100.
Federle, Hartmut; Meyer, Meinhard; Ulrich, Jorn; Walther, Friedrich; and Weinhold, Friedrich, to B.A.T. Cigarettenfabriken GmbH. Apparatus for the continuous determination of two physical properties of the constituents of a smokable article. 4,865,051, 9-12-89, Cl. 131-84.100.
Federle, Hartmut: *See—*
  Melchior, Klaus; Rueff, Manfred; and Federle, Hartmut, 4,835,6 Cl. 358-107.000.
Federmann, Dieter: *See—*
  Kruger, Peter; and Federmann, Dieter, 4,811,985, Cl. 296-214.000.
Federmann, Helmut; Levacher, Friedrich K.; and Noack, Georg, to Felten & Guilleaume Energietechnik GmbH. Light wave conductor sensor for tension. 4,840,452, 6-20-89, Cl. 350-96.230.
Federmann, Helmut: *See—*
  Starke, J. Peter; Levacher, Friedrich K.; and Federmann, Helmut, 4,840,480, Cl. 356-32.000.
Federowsky, Robert: *See—*
  Soszka, Barbara; Federowsky, Robert; and Mahler, Jacques, 4,853,021, Cl. 65-2.000.
Federspiel, Mark E.: *See—*
  Guntly, Thomas G.; Federspiel, Mark E.; and Kurth, Michael J., 4,864,705, Cl. 29-156.40R.
Fedorchak, Mary A.: *See—*
  Vanderpool, Clarence D.; Ladd, Judith A.; MacInnis, Martin B.; and Fedorchak, Mary A., 4,808,384, Cl. 423-21.100.

Fedorov, Svyatoslav N.; Krutov, Sergei V.; Soloviev, Sergei A.; Alexandrova, Olga G.; and Korshunova, Nadezhda K. Device for coagulation of biological tissues. 4,799,478, 1-24-89, Cl. 128-303.100.
Fedorov, Svyatoslav N.; Egorova, Eleonora V.; Strusova, Natalya A.; Glazko, Viktor I.; and Trubilin, Vladimir N. Intraocular prosthetic lens. 4,838,890, 6-13-89, Cl. 623-6.000.
Fedorov, Svyatoslav N.; Pashinova, Nadezhda F.; Anisimov, Sergei I.; Degtev, Evgeny I.; Zakharov, Dmitry V.; Karavaev, Alexandr A.; Kiselev, Vladimir G.; Juzhelevsky, July A.; and Sokolov, Sergei V., to Mezhotraslevoi Nauchno-Tekhnichesky Komplex "Mikrokhirurgia Glaza". Posterior-chamber intraocular prosthetic lens. 4,863,462, 9-5-89, Cl. 623-6.000.
Fedorov, Svyatoslav N.; Soloviev, Sergei A.; Degtev, Evgeny I.; Ivashina, Albina I.; and Karavaev, Alexandr A., to Mezhotraslevoi Nauchno-tekhnichesky Komplex "Mikrokhirurgia Glaza". Device for ophthalmologic operations. 4,884,569, 12-5-89, Cl. 128-305.000.
Fedorowycz, Bohdan W.: *See—*
  Ahern, Charles J.; Fedorowycz, Bohdan W.; and Neumeyer, Martin J., 4,809,803, Cl. 180-65.400.
Fedotov, Viktor N.: *See—*
  Falkevich, Sergei A.; Naumov, Mikhail V.; Shkarlet, Jury M.; Sukhorukov, Dmitry V.; Fedotov, Viktor N.; and Sazonov, Jury I., 4,856,336, Cl. 73-598.000.
Fedrau, Dieter: *See—*
  Mauch, Helmut; and Fedrau, Dieter, 4,859,141, Cl. 415-115.000.
Fedrigo, Joseph G. Vehicle tailgate assembly. 4,861,088, 8-29-89, Cl. 296-57.100.
Fedrizzi, Bruno: *See—*
  Laeuppi, Heinrich; and Fedrizzi, Bruno, 4,799,820, Cl. 404-100.000.
Fedyakov, Viktor V.: *See—*
  Revnivtsev, Vladimir I.; Zarogatsky, Leonid P.; Denisov, Genrikh A.; and Fedyakov, Viktor V., 4,844,362, Cl. 241-210.000.
Fee, Darrell C.; Poeppel, Roger B.; Easler, Timothy E.; and Dees, Dennis W. Monolithic solid electrolyte oxygen pump. 4,877,506, 10-31-89, Cl. 204-242.000.
Fee, David M.; and Riediger, Craig W., to Caterpillar Inc. Control mechanism for applying a brake and neutralizing a transmission of a vehicle. 4,796,736, 1-10-89, Cl. 192-4.00C.
Fee, David M.: *See—*
  Alexander, George F.; Coutant, Alan R.; Fee, David M.; and Riediger, Craig W., 4,798,099, Cl. 74-473.00R.
Fee, Graham M., to Chemetron-Railway Products, Inc. Railway rail fastening assembly. 4,832,261, 5-23-89, Cl. 238-331.000.
Fee, Graham M., to Chemetron-Railway Products, Inc. Railway rail assembly. 4,844,337, 7-4-89, Cl. 238-21.000.
Fee, Terence M.: *See—*
  McDavid, Robert F., III, 4,805,606, Cl. 128-80.00C.
Feehan, Joe: *See—*
  Fogarty, Thomas J.; Chin, Albert K.; and Feehan, Joe, 4,860,769, Cl. 128-786.000.
Feeley, Brian P., to Standard Oil Company, The. Solids dewatering process and apparatus. 4,866,856, 9-19-89, Cl. 34-9.000.
Feeley, J. Terence: *See—*
  Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charles W., Jr.; Blais, Louis G.; Andersen, Carl E.; and Feeley, J. Terence, 4,830,261, Cl. 228-102.000.
Feeman, James F., to Crompton & Knowles Corporation. Process for preparation of substituted-aminomethylphosphonic acids. 4,830,788, 5-16-89, Cl. 260-512.50E.
Feeman, James F., to Crompton & Knowles Corporation. N-alkyl-N-(aminophenylsulfonyl)-aminoalkylphosphonic acids. 4,851,158, 7-25-89, Cl. 562-16.000.
Feeman, James F., to Crompton & Knowles Corporation. Dyes from diazotized sulfonylaminoalkylphosphonic acids and naphtholdisulfonic acids. 4,851,516, 7-25-89, Cl. 534-641.000.
Feeman, James F., to Crompton & Knowles Corporation. Water-soluble diazo reactive dyes and metals complexes (containing phosphonic acid groups) for dyeing cellulosic fibers. 4,853,466, 8-1-89, Cl. 534-617.000.
Feeney, John R., to Protector Safety Limited. Filter cartridge. 4,867,770, 9-19-89, Cl. 55-316.000.
Feeney, Robert D.; Prosise, Robert L.; McGrady, Joseph; and Niehoff, Raymond L., to Procter & Gamble Company, The. Potato based dough containing highly pectinated cellulosic fibers. 4,876,102, 10-24-89, Cl. 426-550.000.
Feeney, Robert K.: *See—*
  Hughes, David W.; and Feeney, Robert K., 4,820,657, Cl. 437-172.000.
  Hughes, David W.; Feeney, Robert K.; and Hertling, David R., 4,874,711, Cl. 437-8.000.
Feerst, Irwin, to ITT Avionics, a division of ITT Corporation. Apparatus for reducing the effects of local oscillator leakage in mixers employed in zero IF receivers. 4,811,425, 3-7-89, Cl. 455-317.000.
Feger, Claudius: *See—*
  Bard, Steven L.; Feger, Claudius; Glenning, John J.; Hougham, Gareth G.; Molis, Steven E.; Pawlowski, Walter P.; Ritsko, John J.; Slota, Peter, Jr.; and Snyder, Randy W., 4,846,929, Cl. 156-630.000.
Feger, Rolf; and Holzmacher, Gunther, to ITT Industries, Inc. Vehicle light assembly including several incandescent lamps. 4,809,143, 2-28-89, Cl. 362-249.000.
Feger, Rolf; Holzmacher, Gunther; and Wirth, Hans-Joachim, to SWF Auto-Electric GmbH. Signal lamp, especially for motor vehicles. 4,835,666, 5-30-89, Cl. 362-268.000.
Feher, Kornel J. Aircraft damage assessment and surveillance system. 4,816,828, 3-28-89, Cl. 340-945.000.
Feher, Laszla: *See—*
  Csanyi, Istvan; Csiszar, Janos; Feher, Laszla; Losonczi, Zoltan; and Szabo, Gyorgy, 4,870,318, Cl. 313-113.000.
Feher, Peter: *See—*
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Fehl, Alessandro: *See—*
  De Marco, Giuliano; and Fehl, Alessandro, 4,805,051, Cl. 360-78.010.
Fehling, Paul, to Walter Just Gesellschaft m.b.H. Self-inking stamp for performing an inking upstroke. 4,841,860, 6-27-89, Cl. 101-334.000.
Fehlmann, Wolfgang; and Geiger, Wolfgang, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,869,218, 9-26-89, Cl. 123-357.000.
Fehlmann, Wolfgang; Hofer, Gerald; Junger, Dieter; Karle, Anton; and Laufer, Helmut, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,873,956, 10-17-89, Cl. 123-357.000.
Fehn, John H.: *See—*
  Kaufman, Leon; Arakawa, Mitsuaki; McCarten, Barry M.; Fehn, John H.; and Krasnor, Stephen, 4,881,034, Cl. 324-318.000.
Fehn, Norbert: *See—*
  Strenzke, Hilmar; and Fehn, Norbert, 4,884,402, Cl. 60-426.000.
Fehr, Charles; and Galindo, Jose, to Firmenich S.A. Process for the preparation of cycloaliphatic aldehydes. 4,868,340, 9-19-89, Cl. 558-447.000.
Fehrenbach, Gustav; and Schafer, Wolfgang, to Degussa AG. Method and apparatus for measurement of the fluorescence relaxation period of a fluorescent substance. 4,816,687, 3-28-89, Cl. 250-459.100.
Fehrenbach, Hubert: *See—*
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  Lenz, Bernhard; Zwintzscher, Kurt; Gruehn, Dietrich; Fehrenbach, Hubert; and Holl, Norbert, 4,822,327, Cl. 493-190.000.
Fehrenbach, Waltraud: *See—*
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  Scheuble, Bernhard; Baur, Gunter; and Fehrenbach, Waltraud, 4,886,344, Cl. 350-350.00R.
Fehrentz, Jean: *See—*
  Castro, Bertrand; and Fehrentz, Jean, 4,886,914, Cl. 564-343.000.
Fehrer, Ernst. Apparatus for making slivers from a lap. 4,799,294, 1-24-89, Cl. 19-99.000.
Fehsenfeld, Fred M., Sr.: *See—*
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FEI Microwave, Inc.: *See—*
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Fei, Peter Tsung-Hou: *See—*
  Fang, Jimmy, 4,876,723, Cl. 381-182.000.
Feiccabrino, Joseph A.: *See—*
  Malz, Russell E., Jr.; Sargent, John W.; and Feiccabrino, Joseph A., 4,814,444, Cl. 544-354.000.
Feichtiger, Dieter; Waschitschek, Franz; Motting, Gotz; Munsinger, Walter; and Deischl, Hans, to Daimler-Benz Aktiengesellschaft. Cylinder lock/actuator subassembly. 4,815,306, 3-28-89, Cl. 70-240.000.
Feichtiger, Dieter; Neuffer, Klaus; Biber, Wolfgang; Freitag, Elmar; Corbier, Jean P.; and Dragoni, Christian, to Daimler-Benz Aktiengesellschaft; and Eaton S.A.M. Component assembly of several directional control valves adapted to be shifted electromagnetically independently of one another. 4,830,054, 5-16-89, Cl. 137-884.000.
Feichtiger, Dieter: *See—*
  Bruhnke, Ulrich; Korber, Jurgen; Fischer, Helmut; Jobmann, Ingo; Feichtiger, Dieter; Deischl, Hans; Weikert, Gunther; Schumacher, Josef; and Claor, Klaus, 4,848,509, Cl. 180-287.000.
  Heimbrodt, Klaus-J.; Simon, Dieter; Feichtiger, Dieter; Kneib, Rudi; Weikert, Gunther; Schneider, Wolfgang; Hoffmann, Ruediger; and Reinhard, Theodor, 4,827,976, Cl. 137-606.000.
  Hoffmann, Ruediger; Feichtiger, Dieter; and Schwerdt, Paul, 4,796,662, Cl. 137-596.160.
  Hoffmann, Ruediger; Feichtiger, Dieter; Schumacher, Josef; Haller, Peter H.; and Heimbrodt, Klaus-J., 4,811,562, Cl. 60-370.000.
Feichtinger, Kurt A.: *See—*
  Mukherjee, Debi P.; and Feichtinger, Kurt A., 4,808,351, Cl. 264-22.000.
Feickert, Hans-Joachim; Rettig, Wolfgang; Chorney, Karen; Cordon-Cardo, Carlos; Melamed, Myron R.; Lloyd, Kenneth O.; Oettgen, Herbert F.; Old, Lloyd J.; and Anger, Bernd, to Sloan-Kettering Institute for Cancer Research. Monoclonal antibodies to human lung cancers and method. 4,865,998, 9-12-89, Cl. 436-548.000.
Feider, Thomas; Lamer, Gerald P.; and Lenius, Norbert W., to Marine Travelift, Inc. Straddle crane steering system. 4,880,124, 11-14-89, Cl. 212-218.000.
Feigel, Josef; and Pfendler, Klaus, to Standard Elektrik Lorenz Aktiengesellschaft. Electronically commutated, collectorless directed-current motor. 4,841,186, 6-20-89, Cl. 310-156.000.
Feigen, Larry P.: *See—*
  Adams, Steven P.; Feigen, Larry P.; and Miyano, Masateru, 4,857,508, Cl. 514-18.000.
Feigenbaum, Jeffery J.: *See—*
  Mechoulam, Raphael; Feigenbaum, Jeffery J.; Lander, Naphtali; and Srebnik, Morris, 4,876,276, Cl. 514-454.000.
Feijen, Henricus H. W.; and Weigand, Karl A., to Akzo N.V. Process for the manufacture of polyester industrial yarn. 4,867,925, 9-19-89, Cl. 264-137.000.

Feil, Cornelia: *See*—
Kraemer, Dieter; Siol, Werner; Markert, Gerhard; Suetterlin, Norbert; and Feil, Cornelia, 4,829,101, Cl. 523-201.000.
Feil, Eugen; Neumann, Gerd; Graser, Wolfgang; and Friedrich, Horst. Roofing plate for planting greenery on roofs. 4,800,675, 1-31-89, Cl. 47-33.000.
Feil, Eugen; Neumann, Gerd; Graser, Wolfgang; and Friedrich, Horst. Sub-roof for a roof covered with roofing boards. 4,854,102, 8-8-89, Cl. 52-535.000.
Feilchenfeld, Natalie B.; Fuerniss, Stephen J.; Glenning, John J.; Pawlowski, Walter P.; Phelan, Giana M.; and Rickerl, Paul G., to International Business Machines Corporation. Forming a polymide pattern on a substrate. 4,883,744, 11-28-89, Cl. 430-325.000.
Feild, Eugene P., to Laminar Fluid Controls, Inc. Multipurpose valve. 4,889,159, 12-26-89, Cl. 137-508.000.
Feilhauer, Helmut; and Steimle, Josef, to ANT Nachrichtentechnik GmbH. Method of aligning two optical fiber ends for frontal contact. 4,798,442, 1-17-89, Cl. 350-96.210.
Feimer, Joseph L.; Koenitzer, Bernd A.; and Schucker, Robert C., to Exxon Research and Engineering Company. Highly aromatic anisotropic polyurea/urethane membranes and their use for the separation of aromatics from non-aromatics. 4,828,773, 5-9-89, Cl. 264-45.500.
Feimer, Joseph L.; Koenitzer, Bernd A.; and Schucker, Robert C., to Exxon Research and Engineering Company. Highly aromatic anisotropic polyurea/urethane membranes and their use for the separation of aromatics from non aromatics. 4,879,044, 11-7-89, Cl. 210-654.000.
Fein, Harvey C., to DFB Sales, Inc. Wall track for fabric wall coverings. 4,817,699, 4-4-89, Cl. 160-327.000.
Fein, Harvey C., to DFB Sales, Inc. Wall track installation device. 4,825,931, 5-2-89, Cl. 160-327.000.
Fein, Michael E., to Spectra-Physics, Inc. Distance simulator. 4,852,983, 8-1-89, Cl. 350-453.000.
Fein, Michael E., to Tencor Instruments. High brightness and viewed gas discharge lamp. 4,877,997, 10-31-89, Cl. 313-634.000.
Fein, Michael E.: *See*—
Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
Kelderman, Herman F.; Fein, Michael E.; Loh, Alan E.; Adams, Arnold; and Neukermans, Armand P., 4,844,617, Cl. 356-372.000.
Fein, Murray A.: *See*—
Norden-Paul, Ronald E.; Fein, Murray A.; and Stewart, Sandra L., 4,878,175, Cl. 364-413.010.
Feinberg, Andrea L. Frangible target game. 4,805,918, 2-21-89, Cl. 273-380.000.
Feinberg, Lee N. Rear-window wind deflector for a vehicle. 4,881,772, 11-21-89, Cl. 296-180.100.
Feinberg, Martin R.: *See*—
Scelba, Stephen S.; and Feinberg, Martin R., 4,856,306, Cl. 70-68.000.
Feinberg, Vera L. Ornamental vehicle identification device. 4,881,485, 11-21-89, Cl. 116-28.00R.
Feinbloom, Richard E., to Designs for Vision, Inc. Method and apparatus of placing a lens in a telescopic lens assembly while providing optical alignment. 4,799,793, 1-24-89, Cl. 356-127.000.
Feinbloom, Richard E., to Designs for Vision, Inc. Low vision apparatus and device and method for enabling the visually handicapped to view television. 4,802,756, 2-7-89, Cl. 351-200.000.
Feinbloom, Richard E., to Designs for Vision, Inc. Automatic focusing system for telescopes. 4,807,985, 2-28-89, Cl. 351-158.000.
Feinbloom, Richard E., to Designs for Vision, Inc. Hand-held magnifier apparatus. 4,859,032, 8-22-89, Cl. 350-235.000.
Feinbloom, Richard E.; and Soll, David B., to Designs for Vision, Inc. Universally adjustable telescopic spectacle assembly for use with implanted intraocular lenses and associated methods. 4,863,468, 9-5-89, Cl. 623-6.000.
Feindel, Robert E.: *See*—
Klosterhaus, Edwin G.; and Feindel, Robert E., 4,887,683, Cl. 180-148.000.
Feindler, Philbert: *See*—
Steinleitner, Gunther; Mennicke, Stefan; Feindler, Philbert; Klein, Herbert; and Maldonado-Zagal, Sigisfredo, 4,853,303, Cl. 429-104.000.
Feindt, Hans H.: *See*—
Bloomster, Timothy G.; Feindt, Hans H.; Hahn, Gerald D.; and Maret, S. Melissa, 4,873,126, Cl. 427-282.000.
Feiner, Haim, deceased: *See*—
Stefaniu, Marian; Gran, Paul; Feiner, Haim, deceased; and Feiner, Ilana, heiress, 4,879,541, Cl. 340-825.070.
Feiner, Ilana, heiress: *See*—
Stefaniu, Marian; Gran, Paul; Feiner, Haim, deceased; and Feiner, Ilana, heiress, 4,879,541, Cl. 340-825.070.
Feingold, David S.: *See*—
Youngner, Julius S.; Feingold, David S.; and Keleti, Georg, 4,842,855, Cl. 424-95.000.
Feingold, Vladimir. Implantable medication infusion system. 4,871,351, 10-3-89, Cl. 604-66.000.
Feinland, Seymour, to Pitney Bowes Inc. Weighing instrument having adaptive breakpoints. 4,849,918, 7-18-89, Cl. 364-567.000.
Feinland, Seymour, to Pitney Bowes Inc. Multiranging scale with blanking of rate display. 4,864,521, 9-5-89, Cl. 364-567.000.
Feinland, Seymour: *See*—
Freeman, Gerald C.; Feinland, Seymour; and Crowley, Raymond R., 4,809,186, Cl. 364-464.000.
Feinmetall GmbH: *See*—
Kruger, Gustav, 4,814,697, Cl. 324-158.00P.
Feinstein, Jeffrey I.: *See*—
Chuba, Christian J.; Walden, Charles R., Jr.; Grecco, Joseph J.; and Feinstein, Jeffrey I., 4,849,688, Cl. 324-78.00R.
Feinstein, Joseph, to Varian Associates, Inc. Short-period electron beam wiggler. 4,876,687, 10-24-89, Cl. 372-2.000.
Feinstein, Joseph: *See*—
Ives, Robert L.; Jory, Howard R.; and Feinstein, Joseph, 4,851,7[illegible], Cl. 331-91.000.
Feinstein, Paul L.; and Gordon-Gilmore, Randy, to Bio-Rad Laboratories, Inc. Fraction collector. 4,862,932, 9-5-89, Cl. 141-130.000.
Feintuch, Martin, to Allied-Signal Inc. Apparatus and method for real time reconstruction of digital map data. 4,815,012, 3-21-89, Cl. 364-521.000.
Feintuch, Martin: *See*—
Bollard, Robert J.; Feintuch, Martin; and Johnston, Robert J., 4,845,495, Cl. 340-973.000.
Feinwerktechnik Schleicher & Co.: *See*—
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Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, 4,881,692, Cl. 241-167.000.
Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, 4,889,291, Cl. 241-167.000.
Feisst, Kenneth W. Collapsible building. 4,805,356, 2-21-89, Cl. 52-71.000.
Feisst, Klaus: *See*—
Hellwig, Gerhard; Baut, Ottmar; Feisst, Klaus; Moehwald, Helmut; and Muenstedt, Helmut, 4,803,596, Cl. 361-525.000.
Feist, Norbert, to Battenfeld Maschinenfabriken GmbH. Apparatus for proportioning reaction mixtures. 4,886,643, 12-12-89, Cl. 422-133.000.
Feist, Wieland; Gurtler, Klaus; and Schuler, Jost, to Jenoptik Jena GmbH. Geodetic instrument. 4,869,593, 9-26-89, Cl. 356-148.000.
Feitler, Albert: *See*—
Stomp, Hubert; Barthel, Jean-Pierre; Feitler, Albert; and Paroech, Fred, 4,883,259, Cl. 266-217.000.
Feitler, David; and Wetstein, Henry, to Nepera, Inc. Preparation of US grade synthetic pyridine. 4,883,881, 11-28-89, Cl. 546-353.000.
Feitsma, Rolf I. J.: *See*—
Pauwels, Ernest K. J.; and Feitsma, Rolf I. J., 4,845,039, Cl. 436-548.000.
Feizollahi, Faramarz, to Bechtel Group, Inc. Method and structure for hazardous waste containment. 4,844,840, 7-4-89, Cl. 252-633.000.
Fejer, Martin M.; and Byer, Robert L., to Leland Stanford Junior University, The Board of Trustees of the. Quantum well optical electric field biased nonlinear method and apparatus. 4,880,2[illegible], 11-14-89, Cl. 350-355.000.
Fekecs, Eva: *See*—
Bod, Peter; Harsanyi, Kalman; Agai nee Csongor, Eva; Bogsch, Erik; Fekecs, Eva; Trischler, Ferenc; Domany, Gyorgy; Szabolkai, Istvan; and Hegedus, Bela, 4,835,281, Cl. 548-197.000.
Fekete, Gyorgy: *See*—
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Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Szirt nee Kiszelly, Eniko; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,7[illegible], Cl. 514-256.000.
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Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Sen[illegible] Istvan; Egri, Janos; and Szeli, Maria, 4,868,172, Cl. 514-18[illegible].
Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Sen[illegible] Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-18[illegible].
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Fel-Pro Incorporated: *See*—
DeCore, Robert A.; and Justus, Thomas J., 4,830,6[illegible], Cl. 156-219.000.
Inciong, Josefino T., 4,796,897, Cl. 277-211.000.
McDowell, Donald J.; Maloney, Michael J.; Cooper, Jerri L.; and Pyle, Lawrence, 4,817,969, Cl. 277-235.00B.
McDowell, Donald J.; and Michna, John A., 4,834,279, Cl. 277-235.00B.
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Wesley, Alan C., 4,852,893, Cl. 277-1.000.
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Felber, Johannes: *See*—
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Felber, Josef. Weather protective roofing for light aircraft. 4,832,067, 5-23-89, Cl. 135-102.000.
Felch, Susan B.; and Powell, Ronald A., to Varian Associates, Inc. Method of mapping ion implant dose uniformity. 4,807,994, 2-28-89, Cl. 356-326.000.
Feld, Raymond C.: *See*—
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Felder, Christian, to Gebhardt Fordertechnik GmbH. Sorting installation for piece goods. 4,811,830, 3-14-89, Cl. 198-372.000.
Felder, Willy J. B.: *See*—
Van Lierop, Joseph G.; Bogemann, Arnoldus B. M.; Felder, Willy J. B.; and Huizing, Albert, 4,806,328, Cl. 423-338.000.
Feldhake, Dennis F.: *See*—
Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; Leinum, Virgil D.; and Niemi, Thomas J., 4,834,401, Cl. 280-833.000.
Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; and McClellan, Bruce E., 4,834,572, Cl. 403-316.000.
Feldhaus, Karl, to Gewerkschaft Schalker Eisenhutte. Apparatus for cleaning coke oven leveling doors and leveling door frames. 4,808,268, 2-28-89, Cl. 202-241.000.
Feldi, Joseph A. Ball grabber. 4,834,393, 5-30-89, Cl. 273-61.00B.
Feldkamp, Valerie K. Shoulder pad for string instruments of the violin and viola type. 4,884,487, 12-5-89, Cl. 84-280.000.
Feldle, Gunter: *See*—
Bauer, Gerd H.; Feldle, Gunter; Hartmuller, Herbert; Luhn, Ernst; Nicklas, Alexander; and Schuster, Oliver, 4,828,457, Cl. 415-182.100.
Feldmaier, Douglas A., to General Motors Corporation. Acoustic emission automotive crash sensor. 4,842,301, 6-27-89, Cl. 280-735.000.
Feldman, Barbara M.: *See*—
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Feldman, Barry J., to United States of America, Navy. CO_2 laser pulse optimization for harmonic generation. 4,864,580, 9-5-89, Cl. 372-25.000.
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Feldman, Ellis S.: *See*—
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Feldman, Fred; Klekamp, Mark S.; Hrinda, Michael E.; Shaw, Arthur B.; and Chandra, Sudhish, to Armour Pharmaceutical Company. Stabilization of biological and pharmaceutical products during thermal inactivation of viral and bacterial contaminants. 4,876,241, 10-24-89, Cl. 514-2.000.
Feldman, Joel A.; Ganong, William F., III; and Bradner, Scott, to Kurzweil Applied Intelligence, Inc. Speech recognition. 4,799,262, 1-17-89, Cl. 381-43.000.
Feldman, Leonard C.: *See*—
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Yawn, David H.; and Feldman, Louis W., 4,795,419, Cl. 494-84.000.
Feldman, Lyudmila; and Saccocio, Edward J., to Mead Corporation, The. Pressure roller developed images via pre-abrasion. 4,824,755, 4-25-89, Cl. 430-138.000.
Feldman, Lyudmila: *See*—
Ruder, Donna L.; Feldman, Lyudmila; and Dowler, James A., 4,873,168, Cl. 430-138.000.
Feldman, Nancy A.: *See*—
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Feldman, Robert J.; Rhoe, Andrei; Van Driesen, Roger P.; Puzio, Joseph F.; and Strangio, Vincent A., to Lummus Crest, Inc. High severity visbreaking with recycle. 4,846,958, 7-11-89, Cl. 208-95.000.
Feldman, Robert L.; and Spaeth, George L., to Spaeth, George L. Comparator for optic disc analysis and method of use thereof. 4,824,238, 4-25-89, Cl. 351-206.000.
Feldman, Rubin: *See*—
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Feldman, Steven: *See*—
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Feldmann, Fritz K.; Griffith, Paul J.; and Christenson, Craig L., to Pacific Armatechnica Corporation. Fin-stabilized subcaliber projectile and method of spin tuning. 4,815,682, 3-28-89, Cl. 244-3.230.
Feldmann, Herman F.; and Paisley, Mark A., to Battelle Development Corporation. Low inlet gas velocity high throughput biomass gasifier. 4,828,581, 5-9-89, Cl. 48-197.00R.
Feldmann, Hugo; Hollmann, Friedrich; Gartner, Horst; and Beisemann, Gerd, to SMS Schloemann-Siemag Aktiengesellschaft. Rolling mill stand, especially for rolling strip. 4,798,074, 1-17-89, Cl. 72-247.000.
Feldmann, Hugo; Schultes, Tilmann; and Beisemann, Gerd, to SMS Schloemann-Siemag Aktiengesellschaft. Rolling mill for making a rolled product, especially rolled strip. 4,800,762, 1-31-89, Cl. 72-247.000.
Feldmann, Hugo; Muller, Hubert; and Schlanzke, Claus, to SMS Schloemann-Siemag Aktiengesellschaft. Apparatus for rolling bar stock. 4,803,863, 2-14-89, Cl. 72-199.000.
Feldmann, Hugo; Muller, Herbert; and Schlanzke, Claus, to SMS Schloemann-Siemag Aktiengesellschaft. Apparatus for rolling bar stock. 4,813,257, 3-21-89, Cl. 72-199.000.
Feldmann, Joachim: *See*—
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Feldmeier, Fritz, to GMN Georg Muller Nurnberg AG. Apparatus for manufacturing and handling thin wafers. 4,881,518, 11-21-89, Cl. 125-14.000.
Feldmeuhle Aktiengesellschaft: *See*—
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Feldstein, Marvin A. Method and apparatus for use in the control of intravenous medication introduction. 4,795,429, 1-3-89, Cl. 604-80.000.
Feldstein, Nathan: *See*—
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Feldstein, Robert S., to Genlyte Group, Inc. Oscillator improvement. 4,818,953, 4-4-89, Cl. 331-114.000.
Feldt, Mats, to Landstingens Inkopscentral, Lic, Ekonomisk Forening. Child delivery bed. 4,821,350, 4-18-89, Cl. 5-60.000.
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Felicetti, Umberto. External speed display device for motor vehicles. 4,802,437, 2-7-89, Cl. 116-62.400.
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Felix, Arthur O. Metal foundation for beds. 4,870,711, 10-3-89, Cl. 5-200.00R.
Felix, Bernard R.; and Slosarik, Stephen E., to United Technologies Corporation. Liner for a solid propellant rocket motor. 4,821,511, 4-18-89, Cl. 60-255.000.
Felix, Bernd; Frohlich, Walter; and Katzenberger, Heiner, to Hoechst Aktiengesellschaft. Process for the thermal cleavage of 1,2-dichloroethane. 4,851,597, 7-25-89, Cl. 570-227.000.
Felix, Ernst, to Zellweger Uster Ltd. Process and apparatus for measuring the warp tension in looms and the like. 4,794,802, 1-3-89, Cl. 73-862.410.
Felix, Ernst, to Zellweger Uster AG. Process and apparatus for production and quality control in multi-spindle textile machines. 4,888,944, 12-26-89, Cl. 57-264.000.
Felix, Ian C.: *See*—
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Hassel, Michael J.; Felix, Ian C.; and Camp, Claude E., 4,858,034, Cl. 360-51.000.
Felix, Kenneth A., to Motorola, Inc. Packet-switched cellular telephone system. 4,887,265, 12-12-89, Cl. 370-94.100.
Felix, Michael C.; Taylor, Nicola S.; and Hardy, Colin C., to Welding Institute, The. Bonding thermoplastic layers via electrical heating. 4,871,412, 10-3-89, Cl. 156-273.900.
Felix, Raymond A., to Stauffer Chemical Company. Process for preparation of iminooxazolidines. 4,806,653, 2-21-89, Cl. 548-234.000.
Felix Schoeller GmbH & Co., KG: *See*—
Anthonsen, Reiner; Kertesz, Ferenc; and Sack, Wieland, 4,844,777, Cl. 162-135.000.
Felix Schoeller, Jr. GmbH & Co. KG: *See*—
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Merz, Heinz-Otto; Kerkhoff, Alois-Bernhard; and Storbeck, Wolfgang, 4,820,582, Cl. 428-328.000.
Vossbeck, Waldemar; and Bode, Hans-Dieter, 4,821,565, Cl. 73-159.000.

Felix, Willi, to Jos. Hunkeler Ltd. Window letter. 4,877,177, 10-31-89, Cl. 229-92.300.

Felker, Michael; and Viverito, Angelo, to Digital Equipment Corporation. Apparatus and method for storing performance parameters of local area network system members. 4,799,211, 1-17-89, Cl. 370-17.000.

Felker, Michael A.; Viverito, Angelo N.; Gilstrap, John W.; Martos, Jesus J.; Trujillo, Ruben; and Wang, Chang J., to Digital Equipment Corporation. Apparatus and method for calibrated monitoring of output voltage levels of local area network communication devices. 4,890,278, 12-26-89, Cl. 370-17.000.

Felkl, Heinz W.; and Antoni, Karlheinz, to Koenig & Bauer Aktiengesellschaft. Flexible printing plate clamping assembly. 4,864,931, 9-12-89, Cl. 101-415.100.

Fell, Claude; Pages, Etienne; and Uhlmann, Dominique, to Haemonetics Corporation. Portable centrifuge apparatus. 4,889,524, 12-26-89, Cl. 494-12.000.

Fell, Ferol S.: *See—*
Herron, Maynard M.; and Fell, Ferol S., 4,846,411, Cl. 241-101.700.
Ratzlaff, Howard J.; and Fell, Ferol S., 4,815,266, Cl. 56-341.000.
Ratzlaff, Howard J.; and Fell, Ferol S., 4,819,418, Cl. 56-341.000.

Feller AG: *See—*
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Feller, Dennis R.: *See—*
Miller, Duane D.; Feller, Dennis R.; Clark, Michael T.; Adejare, Adeboye; Romstedt, Karl J.; and Shams, Gamal, 4,855,476, Cl. 558-410.000.
Witiak, Donald T.; Kim, Sung K.; Feller, Dennis R.; and Romstedt, Karl J., 4,845,121, Cl. 514-455.000.

Feller, Heinrich; Mammach, Peter; and Kobale, Manfred, to Standard Elektrik Lorenz Aktiengesellschaft. Directly heated sorption getter body. 4,835,441, 5-30-89, Cl. 313-553.000.

Feller, Murray F. Liquid impedance flow monitors. 4,829,833, 5-16-89, Cl. 73-861.770

Feller, Roger K.; Warner, Samuel R.; and Capriotti, Janice D., to Ford Motor Company. Engine testing system. 4,885,935, 12-12-89, Cl. 73-117.200.

Feller, Roger K.: *See—*
Quigley, John H.; and Feller, Roger K., 4,879,656, Cl. 364-431.050.

Feller, Walter J.: *See—*
Maki, Melvin C.; and Feller, Walter J., 4,879,544, Cl. 340-552.000.
Maki, Melvin C.; Feller, Walter J.; and Adams, Edward L., 4,887,069, Cl. 340-552.000.

Feller, Willy: *See—*
Berner, Jorg; Anliker, Markus; Feller, Willy; and Breer, Werner, 4,808,952, Cl. 335-41.000.
Hilfiker, Peter; Feller, Willy; and Luethy, Hans, 4,816,798, Cl. 335-175.000.

Feller, Wolfgang; Stormer, Rainer; and Muller, Annemarie, to Intermedicat GmbH. Heparin derivatives. 4,816,446, 3-28-89, Cl. 514-56.000.

Fellerman, Bernard F.: *See—*
Crossley, Peter W.; Fellerman, Bernard F.; and Goodchild, Graham H., 4,864,104, Cl. 219-464.000.
Crossley, Peter W.; Fellerman, Bernard F.; and Goodchild, Graham H., 4,868,371, Cl. 219-464.000.

Fellinger, Christine; Einzinger, Josef; Leipold, Ludwid; Tihanyi, Jenoe; and Weber, Roland, to Siemens Aktiengesellschaft. Integrable buffer circuit for voltage level conversion having clamping means. 4,801,824, 1-31-89, Cl. 307-558.000.

Fellinger, David, to Ultimatte Corporation. Motion control drive interface. 4,847,543, 7-11-89, Cl. 318-628.000.

Fellinger, Johannes: *See—*
Baumgartner, Werner; and Fellinger, Johannes, 4,856,185, Cl. 29-840.000.

Fellinger, Michael W.: *See—*
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Pastrone, John; Fellingham, George H.; and Lawless, Michael, 4,821,558, Cl. 73-19.000.

Fellmann, Jere D.; and Langer, Horst G., to Dow Chemical Company, The. Porous amorphous metallo phosphates process for preparing porous amorphous metallo phosphates. 4,845,069, 7-4-89, Cl. 502-208.000.

Fellmann, Jere D.; Saxton, Robert J.; and Tung, Paul. Process for manufacture of resorcinol. 4,861,921, 8-29-89, Cl. 568-772.000.

Fellmann, Jere D.: *See—*
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Fellows, Benjamin T.: *See—*
Bescup, Terrance L.; Fellows, Benjamin T.; and Leedecke, Charles J., 4,837,069, Cl. 428-148.000.

Fellows, Constance A., to Rhone-Poulenc Nederland, B.V. Process for preparing 2-methyl-2-(methylsulfonyl) propionaldehyde O-(methylcarbamoyl) oxime as a water-wet cake. 4,847,413, 7-11-89, Cl. 564-255.000.

Fellows, Constance A.; Hecht, Patrick G.; and Levin, Steven B., to Rhone-Poulenc Nederland, B.V. Process for preparing 2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl) oxime as a water-wet cake. 4,886,913, 12-12-89, Cl. 564-255.000.

Fellows, Thomas G. Automotive transmissions. 4,872,371, 10-10-89, Cl. 74-690.000.

Fellwock, Charles G.: *See—*
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Cordill, Rexford W.; Woods, John T.; and Fellwock, Louis W., 4,862,577, Cl. 29-525.100.

Felmeri, Istvan: *See—*
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Felt, George R.; Multhauf, Donna K.; and Wagle, Sudhakar S., to Rorer Pharmaceutical Corporation. Product-dispensing method and apparatus. 4,876,891, 10-31-89, Cl. 73-426.000.

Felten & Guilleaume Energietechnik GmbH: *See—*
Federmann, Helmut; Levacher, Friedrich K.; and Noack, Georg, 4,840,452, Cl. 350-96.230.

Felthouse, Barbara J.: *See—*
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Felthuis, Jacob; and Stokman, Ronald J. M., to Hoogovens Groep B.V. Ceramic burner for a hot-blast stove. 4,863,378, 9-5-89, Cl. 432-217.000.

Felthuis, Jacob; and Stokman, Ronald J. M., to Hoogovens Groep B.V. Ceramic gas burner for a combustion chamber of a hot-blast stove. 4,881,895, 11-21-89, Cl. 432-181.000.

Felton, Donald W.: *See—*
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Felton, Ralph A.: *See—*
Schuh, Ronald A.; and Felton, Ralph A., 4,804,090, Cl. 206-366.000.

Felts, John T.; and Lopata, Eugene S., to BOC Group, Inc., The. Plasma thin film deposition process. 4,888,199, 12-19-89, Cl. 427-10.000.

Felts, John T.: *See—*
Hofmann, James J.; Hoffman, Robert R.; and Felts, John T. 4,847,469, Cl. 219-273.000.

Feltz, Dennis R.; Kornblum, Saul S.; and Stoopak, Samuel B., to Sandoz Pharm. Corp. Gastrointestinal protective coating formulations. 4,871,546, 10-3-89, Cl. 424-482.000.

Feltz, John F.; Taylor, John W.; and Vuketich, Richard S., to Monarch Marking Systems, Inc. Electronic article surveillance system utilizing synchronous integration. 4,812,822, 3-14-89, Cl. 340-572.000.

Feltz, John F.; Hartings, Michael F.; and Heaton, Richard D., to Monarch Marking Systems, Inc. Multiple loop antenna. 4,872,018, 10-3-89, Cl. 343-742.000.

Feltz, Kevin L.; Richardson, Glenn A.; and Burrell, Jonathan C., to Allied-Signal Inc. Shut off/pressure regulating valve for turbine engine. 4,876,857, 10-31-89, Cl. 60-734.000.

Feltz, Kristi T.: *See—*
Miller, Phillip; Shindley, Richard P.; Feltz, Kristi T.; Hanson, George E.; and White, Jonathan R., 4,882,475, Cl. 235-383.000.

Felzmann, Horst: *See—*
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Femcare Limited: *See—*
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McQuilkin, Peter H.; and Lawrence, William T., 4,888,000, Cl. 604-164.000.

Femia Industrie: *See—*
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Femlib Medical Devices (Proprietary) Limited: *See—*
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Femto-Tech, Inc.: *See—*
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Kershner, Carl J.; and Burgess, Edward T., 4,859,854, Cl. 250-374.000.

Fence Hardware Specialties, Inc.: *See—*
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Fencil, Laura E.; Metz, Charles E.; and Doi, Kunio, to University of Chicago. Method for determination of 3-D structure in biplane angiography. 4,875,165, 10-17-89, Cl. 364-413.220.

Fend, Fritz M.; and May, Dieter, to Veit GmbH & Co. Steam pressing station for pressing fabric seams. 4,817,308, 4-4-89, Cl. 38-1.00B.

Fender, C. Leo. Neck for guitar. 4,803,906, 2-14-89, Cl. 84-293.000.

Fender, C. Leo. Saddle assembly for guitar vibrato unit. 4,867,0 9-19-89, Cl. 84-313.000.

Fender, C. Leo. Moisture-free electromagnetic pickup for an electrical musical instrument of the stringed type. 4,885,970, 12-12-89, Cl. 84-1.150.

Fender, Janet S.; and Avizonis, Petras V., to United States of America Air Force. Dynamically matched optical filtering in a multiple telescope imaging system. 4,856,884, 8-15-89, Cl. 350-557.000.

Fender, Ronald V. Rain water receiving apparatus with dumping feature. 4,837,987, 6-13-89, Cl. 52-11.000.

Fendler, Anna M.: *See—*
Shanahan, Mary B.; and Fendler, Anna M., 4,850,614, Cl. 2 3.00A.

Fendler, Arthur H. Boring head. 4,861,202, 8-29-89, Cl. 408-181.000.

Fendley, James R.; and Wichmann, Janice L., to Zenith Electronics Corporation. Tension mask securement means and process therefor. 4,828,523, 5-9-89, Cl. 445-30.000.

Fendley, James R., to Zenith Electronics Corporation. Rail mapping method and apparatus. 4,828,524, 5-9-89, Cl. 445-30.000.

Fendley, James R., to Zenith Electronics Corporation. Color cathode ray tube having a faceplate-mounted support structure with a welded-on high-tension foil shadow mask. 4,849,671, 7-18-89, Cl. 313-407.000.

Fendley, James R.; and Greiner, Siegfried M., to Zenith Electronics Corporation. CRT faceplate front assembly with rigidized tension mask support structure. 4,866,334, 9-12-89, Cl. 313-407.000.

Fendley, James R.: *See—*
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Fendt, Alfred, to Messerschmitt-Bolkow-Blohm GmbH. Method and apparatus for measuring the optical axis of a guide beam projector. 4,848,903, 7-18-89, Cl. 356-152.000.

Fenech, Anthony J., to Chrysler Motors Corporation. Belt tension tester. 4,860,597, 8-29-89, Cl. 73-862.450.

Fenelli, Steven P.: *See—*
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Fenemore, Peter; and Boak, Reginald L., to National Nuclear Corporation Limited Booths Hall. Inspection systems. 4,795,606, 1-3-89, Cl. 376-248.000.

Feng, Ou-Yang. Telescopic rod means with rolling display sheet. 4,800,834, 1-31-89, Cl. 116-173.000.

Feng, Teng-Chih: *See—*
Wu, Chia-Hsien; Chuang, Show-Zone; Chien, Wei-Shyan; and Feng, Teng-Chih, 4,864,726, Cl. 30-90.100.

Feng, Yee C. Tool for dip-type ICs. 4,879,806, 11-14-89, Cl. 29-741.000.

Fengler, Albert F.: *See—*
Caraher, James R.; Fengler, Albert F.; and Xu, Ming-Wei P., 4,866,748, Cl. 378-121.000.

Fengler, Gerd; Klausener, Alexander; Buysch, Hans-Josef; Mardin, Mithat; and Pelster, Bernhard, to Bayer Aktiengesellschaft. 1H-pyrido-(2,3-b) (1,4)-thiazines. 4,861,878, 8-29-89, Cl. 544-48.000.

Fengler, Wolfram F. O. Worktable support for machine tool. 4,802,801, 2-7-89, Cl. 409-168.000.

Fenical, William H.: *See—*
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Fenicchia, Armand R.: *See—*
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Fenick, Thomas J. Process of forming all porcelain dental prosthesis and thermal conducting pin for use therein. 4,834,651, 5-30-89, Cl. 433-74.000.

Fenie, Michel: *See—*
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Fenk, Josef, to Siemens Aktiengesellschaft. Monolithically integrable controller circuit. 4,843,340, 6-27-89, Cl. 330-126.000.

Fenk, Josef, to Siemens Aktiengesellschaft. Monolithically integrable, amplitude-controllable oscillator amplifier circuit. 4,843,348, 6-27-89, Cl. 331-109.000.

Fenk, Josef, to Siemens Aktiengesellschaft. Monolithically integrable, amplitude-controllable oscillator amplifier circuit. 4,847,567, 7-11-89, Cl. 330-254.000.

Fenley, Thomas D. Wire splicing tool. 4,830,065, 5-16-89, Cl. 140-118.000.

Fenlon, Michael N.: *See—*
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Fenn, Brian A.: *See—*
Welsh, William J.; Fenn, Brian A.; and Challener, Paul, 4,841,575, Cl. 381-36.000.

Fenn, Lawrence E.; and Chateauneuf, Leo. Live-action blade shaver. 4,819,330, 4-11-39, Cl. 30-45.000.

Fenn, Melvin C. Seat mounted utility console. 4,813,751, 3-21-89, Cl. 312-235.00A.

Fenn, Ronald L. Automated in-process pipe storage and retrieval system. 4,820,101, 4-11-89, Cl. 414-21.000.

Fenn, Ronald S.: *See—*
Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; and Fenn, Ronald S., 4,853,369, Cl. 512-25.000.

Fennel, Helmut; and Ehmer, Norbert, to Alfred Teves GmbH. Method and circuit configuration for controlling the wheel slip by means of an electronically controllable automotive vehicle brake system. 4,844,556, 7-4-89, Cl. 303-100.000.

Fennell, Robert B.; Fritts, David H.; and LeGasse, David S. Pilfer proofing system for electric utility meter box. 4,872,847, 10-10-89, Cl. 439-133.000.

Fennema, Alan A., to International Business Machines Corporation. Track seeking using a track following loop. 4,839,876, 6-13-89, Cl. 369-32.000.

Fennemann, Wolfgang, to Metallgesellschaft Aktiengesellschaft. Process for the simultaneous removal of nitrogen oxides and sulfur dioxide from an oxygen-containing exhaust gas. 4,851,202, 7-25-89, Cl. 423-239.000.

Fennemann, Wolfgang: *See—*
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Fenner, James A., to Boeing Company, The. Lower lobe cargo transfer platform conveyor system. 4,819,782, 4-11-89, Cl. 198-372.000.

Fenner, James A., to Boeing Company, The. Cargo conveying system. 4,860,973, 8-29-89, Cl. 244-137.100.

Fenoglio, Charles; Kljucaricek, Peter; Pernick, Jeffrey; and Schaedel, Fred C. Low voltage anodizing process and apparatus. 4,879,018, 11-7-89, Cl. 204-56.100.

Fenrich, William G.: *See—*
Hensel, Robert J.; and Fenrich, William G., 4,887,559, Cl. 123-73.0AD.

Fensch, Thierry; and Compagne, Eric, to Thomson Semiconducteurs. Digital signal transmitting circuit for telephone network. 4,805,214, 2-14-89, Cl. 379-399.000.

Fenske, Dankwart C.; Kuo, Elizabeth A.; and Tully, Wilfred R., to Roussel Uclaf. Anti-inflammatory imidazole compounds. 4,810,828, 3-7-89, Cl. 514-398.000.

Fenske, Horst; Hertrich, Klaus; Schumann, Helmut; and Storr, Rudolf, to VEB Kombinat Polygraph "Werner Lamberz" Leipzig. Vane wheel laying out device for printing products. 4,834,361, 5-30-89, Cl. 271-187.000.

Fenske, Horst; and Preis, Karl G. Aqua-cultivation apparatus and method. 4,846,107, 7-11-89, Cl. 119-3.000.

Fenstermacher, Scott: *See—*
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Fentiman, Arthur E. Connector system. 4,844,648, 7-4-89, Cl. 403-171.000.

Fenton, Arthur. Apparatus for a firearm ammunition hand loader. 4,817,491, 4-4-89, Cl. 86-19.000.

Fenton, E. Dale, to Automation Sales, Inc. Trailer and trailer unloading system. 4,806,061, 2-21-89, Cl. 414-475.000.

Fenton, Frank A., to Emhart Industries, Inc. Manufacture of parisons of molten glass. 4,824,460, 4-25-89, Cl. 65-68.000.

Fenton, Gary; and Huddle, Tom, to Trailmobile Inc. Integral false ceiling for refrigerated vehicles. 4,887,437, 12-19-89, Cl. 62-186.000.

Fenton, James E.: *See—*
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Miller, John M.; Landman, Ronald G.; and Fenton, James E., 4,866,357, Cl. 318-443.000.

Fenton, John W. Continuously variable transmission. 4,869,705, 9-26-89, Cl. 474-8.000.

Fenton, Richard M., to General Electric Company. Method for reinforcing conical shaped object. 4,857,125, 8-15-89, Cl. 156-169.000.

Fenton, Roger W., to Marconi Company Limited, The. Motion picture film transport. 4,807,039, 2-21-89, Cl. 358-214.000.

Fenton, Ronald L.; and Brandt, Robert. LP-Gas carburetion system apparatus and method. 4,887,579, 12-19-89, Cl. 123-525.000.

Fenton, William, Jr.: *See—*
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Fentress, Denton C.: *See—*
Lowery, Richard E.; Fentress, Denton C.; and Godbehere, Don W., 4,804,496, Cl. 252-363.500.

Fenwick, Chad. Exercise apparatus. 4,884,804, 12-5-89, Cl. 272-145.000.

Fenyes, Joseph G., to Buckman Laboratories International, Inc. Control of microorganisms in aqueous systems with 1-hydroxymethyl-pyrazoles. 4,801,362, 1-31-89, Cl. 252-51.000.

Fenyes, Joseph G.; and Pera, John D., to Buckman Laboratories, Intl. Ionene polymeric compositions, their preparation and use. 4,851,532, 7-25-89, Cl. 544-357.000.

Fenyvesi, Janos. Flexible drill rod feeding apparatus for quick rotary deep drilling. 4,848,455, 7-18-89, Cl. 166-77.000.

Fenzel, David T.: *See—*
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Feodor Burgmann Dichtungswerke GmbH & Co.: *See—*
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Feppon, Philippe: *See—*
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Fer, Richard A. Thrust bearing. 4,859,088, 8-22-89, Cl. 384-371.000.

Feraf AG: *See—*
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Ferag AG: *See—*
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Honegger, Werner, 4,844,256, Cl. 206-390.000.
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Reist, Walter, 4,866,910, Cl. 53-430.000.
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Binder, Dieter; Rovenszky, Franz; and Ferber, Hubert P., 4,841,065, Cl. 548-238.000.
Binder, Dieter; Rovensky, Franz; and Ferber, Hubert P., 4,877,809, Cl. 514-444.000.

Ferber, Robert C. Protective garment for the hip area. 4,807,301, 2-28-89, Cl. 2-2.000.

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Ferchau, Joerg U.; and Kotyuk, Kenneth A., to Tandem Computers Incorporated. Circuit board barrier guide. 4,800,463, 1-24-89, Cl. 361-424.000.

Ferco International: *See—*

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Legrand, Jean-Claude; and Gefard, Prevot, 4,872,716, Cl. 292-336.300.

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Ferco International Usine de Ferrures de Batiment: *See—*

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Ferd. Ruesch AG: *See—*

Keller, Heinz; Lehner, Martin; Born, Reinhard; and Lotz, Hans-Georg, 4,798,960, Cl. 250-504.00R.

Ferdı, Allan W. Ski and pole carrier. 4,852,931, 8-1-89, Cl. 294-147.000.

Ferdinandi, Eckhardt S.; Malamas, Michael S.; Sestanj, Kazimir; and Sehgal, Surendra N., to American Home Products Corporation. N-[[6-methoxy-5-(trifluoromethyl)-1-naphthalenyl]-thioxomethyl]-N-methylglycine S-oxide and the amide thereof. 4,853,484, 8-1-89, Cl. 564-74.000.

Ferdows, Houshang, to Suetrak Air Conditioning Sales Corporation. Evaporative cooling system. 4,835,982, 6-6-89, Cl. 62-239.000.

Fere, Guy; and Jouve, Daniel, to Clextral. Process for preparing a food product based on a thin paste. 4,844,935, 7-4-89, Cl. 426-549.000.

Ferenc Paulovits: *See—*

Paulovits, Ferenc, 4,832,531, Cl. 405-176.000.

Ferenc, Robert A., to Whelen Technologies, Inc. Wide angle warning light. 4,866,329, 9-12-89, Cl. 313-113.000.

Ference, Jonathan H.; Blonstein, Steven M.; Rowen, Michael J.; Newman, Robert C., Jr.; and Spira, Joel S., to Lutron Electronics Co., Inc. Power control circuit with phase controlled signal input. 4,797,599, 1-10-89, Cl. 315-194.000.

Ferencz, Jozsef; Felmeri, Istvan; and Stum, Rezso, to Haldex Vallalat. Method for efficient separation of coal from coal spoil in two stages of hydrocyclonic separation. 4,830,741, 5-16-89, Cl. 209-173.000.

Ferenczi, Gyorgy: *See—*

Jantsch, Wolfgang; and Ferenczi, Gyorgy, 4,839,588, Cl. 324-158.00D.

Ferentchak, Rudolph; and Kozischek, James F., to Reheis, Inc. Encapsulation of adjuvants within antiperspirant actives. 4,818,522, 4-4-89, Cl. 424-66.000.

Feret, Jany: *See—*

Bournazel, Claude; and Feret, Jany, 4,867,205, Cl. 138-130.000.

Fergason, James L., to Manchester R & D Partnership. Enhanced scattering voltage sensitive encapsulated liquid crystal with light directing and interference layer features. 4,810,063, 3-7-89, Cl. 350-347.00V.

Fergason, James L., to Manchester R & D Partnership. Colored encapsulated liquid crystal apparatus using enhanced scattering, fluorescent dye and dielectric thin films. 4,815,826, 3-28-89, Cl. 350-339.00F.

Fergason, James L.; and Parker, Robert, to Taliq Corporation. Display for contrast enhancement. 4,824,208, 4-25-89, Cl. 350-276.0SL.

Fergason, James L.; and Parker, Robert, to Taliq Corporation. Display for contrast enhancement. 4,832,458, 5-23-89, Cl. 350-338.000.

Fergason, James L., to Manchester R & D Partnership. Complementary color liquid crystal display. 4,834,508, 5-30-89, Cl. 350-339.00F.

Fergason, James L., to Manchester R & D Partnership. Colored encapsulated liquid crystal apparatus using enhanced scattering. 4,838,660, 6-13-89, Cl. 350-339.00F.

Fergason, James L., to Manchester R & D Partnership. Aligning and distorting features in enhanced scattering voltage sensitive encapsulated liquid crystal. 4,844,596, 7-4-89, Cl. 350-345.000.

Fergason, James L., to Manchester R & D Partnership. Colored encapsulated liquid crystal apparatus using enhanced scattering. 4,850,678, 7-25-89, Cl. 350-339.00F.

Fergason, James L., to Manchester R & D Partnership. Fluorescent colored encapsulated liquid crystal apparatus using enhanced scattering. 4,856,876, 8-15-89, Cl. 350-350.00F.

Fergason, James L., to Manchester R & D Partnership. Liquid crystal color display and method. 4,878,741, 11-7-89, Cl. 350-339.00F.

Fergason, James L., to Manchester R & D Partnership. Encapsulated liquid crystal material, apparatus and method having interconnected capsules. 4,884,873, 12-5-89, Cl. 350-334.000.

Fergason, James L., to Manchester R & D Partnership. Liquid crystal temperature sensor and materials utilizing microencapsulated liquid crystal. 4,884,877, 12-5-89, Cl. 350-351.000.

Fergason, James L.: *See—*

McLaughlin, Charles W.; Fergason, James L.; and Paker, Robert, 4,806,922, Cl. 340-784.000.

Fergeson, Allen D.; Khurshid, Anwar; and Rouse, David M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Data communication network. 4,805,170, 2-14-89, Cl. 370-89.000.

Fergison, Hugo S., to MRE Corporation. Variable strength materials formed through rapid deformation. 4,874,644, 10-17-89, Cl. 148-12.00R.

Fergle, Richard R.: *See—*

Olson, Roland F.; and Fergle, Richard R., 4,847,102, Cl. 426-431.000.

Olson, Roland F.; and Fergle, Richard R., 4,882,190, Cl. 426-541.000.

Ferguson, Arthur R.: *See—*

Higby, Jeffery P.; McElroy, Kennedy K., Jr.; Ferguson, Arthur R.; Bland, Gerald F.; Freitag, Michael W.; and Sullivan, Donald K., 4,850,910, Cl. 440-75.000.

Ferguson, Benjamin A.: *See—*

Simons, Frank H.; and Ferguson, Benjamin A., 4,798,152, Cl. 112-262.100.

Ferguson, David G.: *See—*

Cozine, Mark L.; Ferguson, David G.; Hansen, Lorea F.; and Lamb, Mark E., 4,867,244, Cl. 172-22.000.

Ferguson, Donald E., to Bethandale Corporation. Tool and method of coining corner breaks in a stator of a power steering valve. 4,870,853, 10-3-89, Cl. 72-393.000.

Ferguson, Edward H.; and Iha, Kiyoshi, to Chamberlain Group, Inc., The. Door closure with mechanical braking means. 4,872,239, 10-10-89, Cl. 16-64.000.

Ferguson, Edward H. F.: *See—*

Neil, Gary A.; and Ferguson, Edward H. F., 4,840,345, Cl. 248-74.200.

Ferguson, George W. Plant support device and display stand therefor. 4,881,342, 11-21-89, Cl. 47-47.000.

Ferguson, Hugo S., to MRE Corporation. Apparatus for forming variable strength materials through rapid deformation and methods for use therein. 4,830,683, 5-16-89, Cl. 148-11.50R.

Ferguson, Ian J.: *See—*

Hulme-Lowe, Alan G.; Bell, Vivien L.; and Ferguson, Ian J., 4,861,697, Cl. 430-270.000.

Ferguson, James A. Flusing adaptor and method of manufacture 4,842,002, 6-27-89, Cl. 134-167.00R.

Ferguson, James G.: *See—*

Kawano, Minori; Ichinose, Tomoji; and Ferguson, James G., 4,849,963, Cl. 370-30.000.

Ferguson, James L. Visor apparatus mounted on protective seat for children. 4,883,315, 11-28-89, Cl. 297-184.000.

Ferguson, James M. Process and apparatus for manufacturing tube bends. 4,841,760, 6-27-89, Cl. 72-133.000.

Ferguson, Jean C.; and Inman, Tilmoth H., II. Pedestal mounted house and method. 4,807,418, 2-28-89, Cl. 52-747.000.

Ferguson, John W. Display cabinet. 4,836,622, 6-6-89, Cl. 312-114.000.

Ferguson, Keith T., to E. R. Squibb and Sons, Inc. Modified accordion flange. 4,826,496, 5-2-89, Cl. 604-339.000.

Ferguson, Kenneth H.; Gatlin, Bobby J.; Real, Philip; Conroy, Joseph L.; and Ehrman, James P., to Westinghouse Electric Corp. Pulse doppler surveillance post signal processing and scan to scan correlation. 4,816,833, 3-28-89, Cl. 342-95.000.

Ferguson, Larry G. Method of scoring pocket billiard bowling 4,817,945, 4-4-89, Cl. 273-2.000.

Ferguson, Loreen D.; Hayes, Peter C.; and Macas, Tadas S., to C-I-L Inc. Vesiculated polymer granules. 4,808,633, 2-28-89, Cl. 521-63.000.

Ferguson, Loreen D.; Hayes, Peter C.; and Macas, Tadas S., to C-I-L Inc. Vesiculated polymer granules. 4,826,881, 5-2-89, Cl. 521-55.000.

Ferguson, Michael D.: *See—*

Capson, Ronnie R., 4,858,935, Cl. 273-416.000.

Ferguson, Milton T., Jr., to Perkin-Elmer Corporation, The. Mechanical stop. 4,794,814, 1-3-89, Cl. 74-526.000.

Ferguson, Morag: *See—*

Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; Almond, Jeffrey W.; and Ferguson, Morag, 4,857,634, Cl. 530-324.000.

Ferguson, Robert J., to Simpson Industries, Inc. Camshaft damper 4,848,183, 7-18-89, Cl. 74-574.000.

Ferguson, Robert J., to Simpson Industries, Inc. Vibration damper bonding system. 4,849,047, 7-18-89, Cl. 156-273.900.

Ferguson, Robert W.; and Andors, Derik K., to Vermont Castings, Inc. High efficiency solid fuel burning stove. 4,856,491, 8-15-89, Cl. 126-77.000.

Ferguson, Robert W.: *See—*

Stancliffe, John N.; Carnelly, Stephen; Ferguson, Robert W.; and Andors, Derik K., 4,865,011, Cl. 126-77.000.

Ferguson, Sam; Burns, Kathryn G.; and Strong, Russell C., to Nalco Chemical Company. Volatile amines for treating refinery overhead systems. 4,806,229, 2-21-89, Cl. 208-47.000.

Ferguson, Sam; and Reese, Darrell D., to Nalco Chemical Company Naphthenic acid amides. 4,827,033, 5-2-89, Cl. 564-188.000.

Ferguson, Stewart. Four-way skeleton pallet. 4,841,879, 6-27-89, Cl. 108-51.100.

Ferguson, Stewart. Skeleton four-way pallet. 4,841,880, 6-27-89, Cl. 108-51.100.

Ferguson, Susan A.: *See—*

Lewis, James M.; Owens, Robert A.; Ferguson, Susan A.; Chin, Roland L.; and Zuba, Valentine T., 4,822,722, Cl. 430-326.000.

Ferguson, Susan H.: *See—*

Goldberg, Ronald N.; Mavroudis, Eugene G.; and Ferguson, Susan H., 4,886,387, Cl. 401-122.000.

Ferguson, T. Arnold; and Seaver, Linda L., to United Technologies Corporation. Method for repairing ceramic casting cores. 4,804,5 2-14-89, Cl. 427-140.000.

Ferguson, Thomas B.: *See—*

Fecht, David C.; Ferguson, Thomas B.; Crouther, Ronald; and Ranford, Alan B., 4,842,589, Cl. 604-280.000.

Ferguson, Thomas H.: *See—*

De Leon, Jose; Ferguson, Thomas H.; and Skinner, Daniel S., Jr. 4,846,844, Cl. 623-66.000.

Ferguson, W. Sheldon; Paulson, Howard E.; and Ruthven, Robert E. to Key Technology, Inc. Article inspection and stabilizing system 4,830,180, 5-16-89, Cl. 198-836.000.

Ferguson, Wendy: *See—*

Kuehn, Gary; Gerrek, David M.; and Ferguson, Wendy, 4,818,982, Cl. 340-793.000.

Fergusson, Gordon J.: *See—*

Vestal, Marvin L.; Blakely, Calvin R.; and Fergusson, Gordon J., 4,814,612, Cl. 250-288.000.

Vestal, Marvin L.; Blakley, Calvin R.; and Fergusson, Gordon J., 4,861,989, Cl. 250-288.000.

Feria, Juan M., to Autometal S/A. Vehicle wheel retention cap. 4,822,109, 4-18-89, Cl. 301-37.00P.

Ferk, Don L.; Schmelzer, Eugene; and Haun, Edward C., to UOP. Effluent separation method for aromatic hydrocarbon alkylation process. 4,885,424, 12-5-89, Cl. 585-450.000.

Ferka, Robert. Insertable cigarette smoke baffle for holders. 4,852,590, 8-1-89, Cl. 131-210.000.

Ferkany, Michael A., to Biomedical Devices Company, Inc. Apparatus for transferring elongated sample tube holders to and from workstations. 4,850,470, 7-25-89, Cl. 198-345.000.

Ferla, Giuseppe: *See—*

Gandolfi, Luciano; and Ferla, Giuseppe, 4,881,117, Cl. 357-74.000.

Ferlan, Stephen J.: *See—*

Shallenberger, John M.; and Ferlan, Stephen J., 4,799,312, Cl. 29-723.000.

Shallenberger, John M.; and Ferlan, Stephen J., 4,800,061, Cl. 376-261.000.

Shallenberger, John M.; and Ferlan, Stephen J., 4,855,100, Cl. 376-327.000.

Ferland, Guy. Flexible form for street and sidewalk curbs. 4,824,068, 4-25-89, Cl. 249-2.000.

Ferlanti, William. Layered cooking vessel. 4,828,134, 5-9-89, Cl. 220-83.000.

Ferlauto, Robert J., Jr.: *See—*

Gaffar, Abdul; Polefka, Thomas G.; Ferlauto, Robert J., Jr.; and Crisafulli, Rosemarie M., 4,806,340, Cl. 424-52.000.

Ferlazzo, Anthony P.; and Rapaport, Samuel J. Golf club stand hidable in handle. 4,805,911, 2-21-89, Cl. 273-162.00R.

Ferlier, Jean-Pierre; and Marechal, Michel, to Filotex. Laser-markable electric cable. 4,808,966, 2-28-89, Cl. 338-214.000.

Ferlin, William J., to Lincoln Brass Works, Inc. Outdoor gas cooking appliance. 4,823,838, 4-25-89, Cl. 137-624.120.

Fermaglich, Daniel R.; and Fermaglich, Lois F. Perch for infants and handicapped individuals. 4,873,735, 10-17-89, Cl. 5-431.000.

Fermaglich, Lois F.: *See—*

Fermaglich, Daniel R.; and Fermaglich, Lois F., 4,873,735, Cl. 5-431.000.

Ferman, Michael; and Dale, Craig, to Arindol Pty. Limited. Vehicle suspension system. 4,817,984, 4-4-89, Cl. 280-668.000.

Ferme, Vencenzo: *See—*

Klatte, Bernd; Ferme, Vencenzo; Herrmann, Fritz; Hebborn, Hans-Gerd; and Poliwczyk, Oskana, 4,801,047, Cl. 222-163.000.

Fermenta Animal Health Company: *See—*

Porter, James P.; Matsushita, Tatsuo; and Hesterberg, Lyndal K., 4,806,467, Cl. 435-7.000.

Fermigier, Claude; and Fermigier, Luc, to Establissements Treves - Societe Anonyme Francaise. Method of injecting polyurethane foam into a hollow envelope, more particularly a vehicle head-rest. 4,830,793, 5-16-89, Cl. 264-39.000.

Fermigier, Luc: *See—*

Fermigier, Claude; and Fermigier, Luc, 4,830,793, Cl. 264-39.000.

Fernand, Beaumann, to Dynafer SA. Probe for the measurement of dimensions. 4,805,310, 2-21-89, Cl. 33-170.000.

Fernandes, Elson G., to Clemmer Industries Limited. Temporary closure for use with storage tanks. 4,883,194, 11-28-89, Cl. 220-307.000.

Fernandes, John W.; Miller, Gerald A.; Mallinson, Andrew M.; and Lewis, Stephen R., to Analog Devices, Incorporated. Sub-ranging A/D converter with improved error correction. 4,804,960, 2-14-89, Cl. 341-158.000.

Fernandes, John W.; Miller, Gerald A.; and Mallinson, Andrew M., to Analog Devices, Inc. Sub-ranging A/D converter with flash converter having balanced input. 4,814,767, 3-21-89, Cl. 341-158.000.

Fernandes, Jose R.: *See—*

Hannigan, Benjamin R.; and Fernandes, Jose R., 4,830,188, Cl. 209-3.000.

Fernandes, Roosevelt A. Electrical power line parameter measurement apparatus and systems, including compact, line-mounted modules. 4,799,005, 1-17-89, Cl. 324-127.000.

Fernandes, Roosevelt A. Line mounted apparatus for remote measurement of power system or environmental parameters beyond line-of-site distance. 4,801,937, 1-31-89, Cl. 340-870.160.

Fernandes, Roosevelt A.; and Sieron, Richard L., to Niagara Mohawk Power Corporation. Transmission line sensor apparatus operable with near zero current line conditions. 4,808,917, 2-28-89, Cl. 324-127.000.

Fernandes, Roosevelt A. Monitoring system for power lines and right-of-way using remotely piloted drone. 4,818,990, 4-4-89, Cl. 340-870.070.

Fernandes, Roosevelt A. Electrical power line monitoring systems, including harmonic value measurements and relaying communications. 4,829,298, 5-9-89, Cl. 340-870.270.

Fernandes, Roosevelt A. Electrical power line and substation monitoring apparatus. 4,855,671, 8-8-89, Cl. 324-127.000.

Fernandes, Roosevelt A.; and Sieron, Richard L., to Niagara Mohawk Power Corporation. Transmission line sensor apparatus operable with near zero current line conditions. 4,886,980, 12-12-89, Cl. 307-64.000.

Fernandez, Angel, to TRW Vehicle Safety Systems Inc. Comfort mechanism with slack set and memory. 4,811,913, 3-14-89, Cl. 242-107.600.

Fernandez, Angel: *See—*

Pitassi, Vincent E.; and Fernandez, Angel, 4,889,013, Cl. 74-752.00F.

Fernandez, Elio M.; and DeVane, Jean. Expandable chaffing dish structure. 4,852,749, 8-1-89, Cl. 211-133.000.

Fernandez, Emilio A.; Bezos, Angel P.; and Kimball, Charles H., to Pulse Electronics, Inc. Fuel measuring system. 4,840,056, 6-20-89, Cl. 73-1.00H.

Fernandez, Emilio A. Paging device having a switch actuated signal strength detector. 4,851,820, 7-25-89, Cl. 340-825.440.

Fernandez, Emilio A. Microprocessor based simulated book. 4,855,725, 8-8-89, Cl. 340-706.000.

Fernandez, Emilio A.: *See—*

Bezos, Angel P.; and Fernandez, Emilio A., 4,862,433, Cl. 368-108.000.

Fernandez, Enrique: *See—*

Schwartz, Robert D.; Anderson, Thomas M.; and Fernandez, Enrique, 4,810,507, Cl. 426-33.000.

Schwartz, Robert D.; Anderson, Thomas M.; and Fernandez, Enrique, 4,851,235, Cl. 426-33.000.

Fernandez-Garza, Mauricio: *See—*

Espinosa-C., Jose G.; and Fernandez-Garza, Mauricio, 4,820,552, Cl. 427-216.000.

Fernandez, James I. Robbery in process warning system. 4,818,974, 4-4-89, Cl. 340-574.000.

Fernandez, Jorge D., to Canamex Corporation. Method and apparatus for transforming a monaural signal into stereophonic signals. 4,817,153, 3-28-89, Cl. 381-26.000.

Fernandez, Jorge D., to Canamex Corporation. Telephone call processing system. 4,864,600, 9-5-89, Cl. 379-96.000.

Fernandez, Jose F.: *See—*

Corral, Cecilio M.; Perez, Carlos L.; and Fernandez, Jose F., 4,869,355, Cl. 192-98.000.

Fernandez, Maria I. M.: *See—*

Del Val, Sagrario M.; Fernandez, Maria I. M.; and Monaghan, Richard L., 4,828,992, Cl. 435-123.000.

Fernandez, Robert. Rotating light circuit and speaker cover. 4,875,143, 10-17-89, Cl. 362-86.000.

Fernandez, Salvador M.: *See—*

Chao, Yong-Sheng; Fernandez, Salvador M.; and Guignon, Ernest F., 4,855,930, Cl. 364-497.000.

Fernandez, Vicente A.: *See—*

Menendez, Francisco J. S.; Menendez, Fernando M. S.; De La Cuadra Herrera, Antonio; Tamargo, Francisco A.; Lorenzo, Luis P.; Valcarcel, Matias R.; and Fernandez, Vicente A., 4,886,648, Cl. 423-92.000.

Fernando, Ranjit S.; and Regas, Jennine, to Zetek, Inc. Method for predicting optimum time for insemination. 4,836,216, 6-6-89, Cl. 128-734.000.

Ferner, Matthias: *See—*

Beckmann, Franz; Ferner, Matthias; and Wagner, Armand, 4,846,849, Cl. 44-593.000.

Ferns, Derek, to Von Roll, AG. Covering for an opening with a cover or grating placed in a frame. 4,861,186, 8-29-89, Cl. 404-25.000.

Fernsler, Ronald E., to Thomson Consumer Electronics, Inc. Raster size regulating circuit. 4,827,194, 5-2-89, Cl. 315-371.000.

Fernstrom, Mikael, to Svenska Robot/Swedish Robot HB. Device for information transferring in a transparent substrate between components having I/O elements arranged for communication directly through the substrate by directive radiation propagating linearly without reflection at surfaces of the substrate. 4,809,358, 2-28-89, Cl. 455-600.000.

Fero, Arnold H.; and Anderson, Stanwood L., Jr., to Westinghouse Electric Corp. Support stand for top access reactor cavity dosimetry. 4,842,807, 6-27-89, Cl. 376-254.000.

Fero, Arnold H.; Anderson, Stanwood L., Jr.; and Sejvar, James, to Westinghouse Electric Corp. Reactor cavity dosimetry system and method. 4,844,858, 7-4-89, Cl. 376-254.000.

Fero, Arnold H.; Potochnik, Lawrence M.; Riling, Ronald W.; and Semethy, Kenneth F., to Westinghouse Electric Corp. Nuclear power generating station equipment qualification method and apparatus. 4,876,058, 10-24-89, Cl. 376-247.000.

Fero, Arnold H.: *See—*

Smith, Richard C.; Bartko, John; and Fero, Arnold H., 4,881,247, Cl. 376-257.000.

Fero Holdings Ltd.: *See—*

Hatzinikolas, Michael A.; and Pacholok, Robert M., 4,869,043, Cl. 52-712.000.

Ferob, A.G.: *See—*

Oberle, Ferdinand, 4,852,727, Cl. 206-39.400.

Ferocem Proprietary Limited: *See—*

Farenden, Mark F.; McGinty, Gerard S.; and Schoenfeld, Peter F., 4,845,979, Cl. 73-119.00A.

Ferodo, Inc.: *See—*

Davis, Robert J., 4,840,824, Cl. 428-67.000.

Ferodo Limited: *See—*

Baker, Ralph; and Foulkes, Stephen N., 4,871,394, Cl. 75-232.000.

Sweetmore, Roy; and Eastham, Roy A., 4,846,312, Cl. 188-73.100.

Feron, Jean-Marc; and Prasloix, Michel, to Compagnie Generale d'Automatisme CGA-HBS. Thermal print head printer including a platen. 4,844,631, 7-4-89, Cl. 400-120.000.

Feron, Paul; and Tougne, Daniel, to Manufacture d'Appareillage Electrique de Cahors; and Electricite de France. Power adapter for

electrical installations and especially domestic installations with so-called carrier current control. 4,888,495, 12-19-89, Cl. 307-39.000.
Ferone, Robert: *See—*
Burchall, James J.; Bushby, Stanley R. M.; Cullen, Robert; Dunkley, Michael J. W.; and Ferone, Robert, 4,795,639, Cl. 514-249.000.
Ferrada, Stephen, to Daimler-Benz Aktiengesellschaft. Display for displaying the velocity of a vehicle and the rotational speed of the vehicle engine. 4,838,076, 6-13-89, Cl. 73-489.000.
Ferragamo, Michael C.; and Troein, Per. Percutaneous venous catheter. 4,863,426, 9-5-89, Cl. 604-93.000.
Ferragni, Clemente; and Miccinatti, Enzo, to Videocolor. Method for sealing vacuum tube tips especially cathode tube tips, and machine for applying this method. 4,795,392, 1-3-89, Cl. 445-43.000.
Ferragni, Clemente, to Videocolor. Machine for depositing product on a plane and horizontal surface, especially machine for depositing frit on cathode tube cones. 4,800,837, 1-31-89, Cl. 118-410.000.
Ferralli, Michael W. Omnidirectional acoustic transducer. 4,836,328, 6-6-89, Cl. 181-155.000.
Ferralli, Michael W. Plane wave focusing lens. 4,844,198, 7-4-89, Cl. 181-155.000.
Ferran, Robert J.; and Osterstrom, Gordon E., to Vacuum General, Inc. Capacitance manometer having stress relief for fixed electrode. 4,823,603, 4-25-89, Cl. 73-724.000.
Ferrand, Claude. Tubular element for cultivating plants. 4,813,178, 3-21-89, Cl. 47-77.000.
Ferrant, Richard, to SGS-Thomson Microelectronics S.A. Device for the self-synchronization of the output circuits of a memory using a three-state gate. 4,879,693, 11-7-89, Cl. 365-233.000.
Ferrant, Richard: *See—*
Bergemont, Albert; and Ferrant, Richard, 4,877,483, Cl. 156-653.000.
Ferrante, Laureen. Holder for remote control units for TV,VCR and the like. 4,815,683, 3-28-89, Cl. 248-205.200.
Ferrante, Pat: *See—*
Piacenti, Frank; and Ferrante, Pat, 4,812,095, Cl. 411-188.000.
Ferrante, Ronald A., to NCR Corporation. Compact laser scanner optical system. 4,797,551, 1-10-89, Cl. 250-234.000.
Ferranti International Signal, plc: *See—*
Heywood, Peter J.; and Eggleston, Richard A., 4,884,044, Cl. 330-4.300.
Wilson, Thomas B., 4,888,644, Cl. 358-209.000.
Wood, Frank, 4,821,244, Cl. 367-159.000.
Ferranti p.l.c.: *See—*
Clark, William J. R.; Ward, John J.; Jones, Harry M.; and Powell, John H., 4,823,271, Cl. 364-443.000.
Ferranti plc: *See—*
Clark, William J. R.; Ward, John J.; Jones, Harry M.; and Powell, John H., 4,823,271, Cl. 364-443.000.
Ferranti, Richard T.: *See—*
Norem, Stanley D.; Ferranti, Richard T.; and Culmo, Robert F., 4,795,614, Cl. 422-94.000.
Ferranti Sciaky, Inc.: *See—*
Lawrence, Glen S.; Haynie, Timothy J.; Ferrario, Joseph D.; and Kyselica, Stefan P., 4,803,333, Cl. 219-121.130.
Ferranti Subsea Systems, Inc.: *See—*
Carman, R. Jan; Fitzgibbons, Michael R.; and Sweety, James A., 4,805,657, Cl. 137-68.200.
Fitzgibbons, Michael R., 4,834,139, Cl. 137-614.040.
Ferrara, Vincent L. Biopsy guide. 4,809,694, 3-7-89, Cl. 128-303.00B.
Ferrari, Christopher: *See—*
Groopman, John D.; Wogan, Gerald N.; Bargoot, Frederick G.; and Ferrari, Christopher, 4,859,611, Cl. 436-518.000.
Ferrari Engineering S.p.A.: *See—*
Cassese, Ferdinando, 4,811,812, Cl. 180-295.000.
Cassese, Ferdinando, 4,811,970, Cl. 280-788.000.
Cassese, Ferdinando, 4,869,539, Cl. 280-781.000.
Scaglietti, Oscar, 4,874,201, Cl. 296-201.000.
Ferrari, Francesco: *See—*
Comper, Lucia; and Ferrari, Francesco, 4,874,307, Cl. 425-311.000.
Ferrari, Gianni: *See—*
Del Bono, Rinaldo; De Ambrosi, Luigi; Ferrari, Gianni; Rugarli, Pier L.; and Pagella, Pier G., 4,870,166, Cl. 536-21.000.
Ferrari, Harry M.; and Shallenberger, John M., to Ball Hopper Products. Collapsible ball retriever and storage unit. 4,811,980, 3-14-89, Cl. 294-19.200.
Ferrari, Mario: *See—*
Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,816,467, Cl. 514-333.000.
Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,826,837, Cl. 514-248.000.
Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,853,405, Cl. 514-406.000.
Ferrari, Paolo: *See—*
Bertotti, Franco; and Ferrari, Paolo, 4,829,344, Cl. 357-13.000.
Bertotti, Franco; Ferrari, Paolo; and Gatti, Maria T., 4,887,141, Cl. 357-36.000.
Bertotti, Franco; Ferrari, Paolo; and Gatti, Maria T., 4,890,149, Cl. 357-48.000.
Ferrari, Patrizia: *See—*
Chiodini, Laura; Gobbini, Mauro; Mantegani, Sergio; Ruggieri, Daniel; Temperilli, Aldemio; Traquandi, Gabriella; and Ferrari, Patrizia, 4,882,315, Cl. 514-26.000.
Ferrari, S.p.A.: *See—*
Forghieri, Mauro, 4,848,187, Cl. 74-711.000.
Ferrari, Vincenzo: *See—*
Alota, Santa; Ferrari, Vincenzo; Memmi, Massimo; Pacelli, Leonardo; and Ramundo, Susanna, 4,875,983, Cl. 204-28.000.
Ferrari, Vittorio; Carenzi, Angelo; and Della Bella, Davide, to Zambon S.p.A. Method for the treatment of ischemia and reperfusion syndromes. 4,806,567, 2-21-89, Cl. 514-513.000.
Ferrari, Vittorio: *See—*
Chiarino, Dario; Della Bella, Davide; and Ferrari, Vittorio, 4,863,908, Cl. 514-76.000.
Ferrario, Joseph D.: *See—*
Lawrence, Glen S.; Haynie, Timothy J.; Ferrario, Joseph D.; and Kyselica, Stefan P., 4,803,333, Cl. 219-121.130.
Ferraris, Giampiero; and Tersalvi, Antonio, to GTE Telecommunicazioni S.p.A. Process to obtain thin film lines. 4,812,388, 3-14-89, Cl. 430-314.000.
Ferraris, Lori, to Konsepts Beauty Supply, Inc. Manicurist's bit. 4,874,001, 10-17-89, Cl. 132-75.800.
Ferraro, Frances M.: *See—*
Binning, Jack E.; Ferraro, Frances M.; and Carlson, Franklin B., 4,869,833, Cl. 210-761.000.
Ferraro, Robert J.: *See—*
Fatool, Wade; and Ferraro, Robert J., 4,870,956, Cl. 128-80.00C.
Ferrato, Joseph P.; and Ferrato, Julie C., to Crystaloid Electronics Co. Liquid crystalline materials and method of making same. 4,879,061, 11-7-89, Cl. 252-299.620.
Ferrato, Julie C.: *See—*
Ferrato, Joseph P.; and Ferrato, Julie C., 4,879,061, Cl. 252-299.620.
Ferre-Blanquez, Juan. Textile label. 4,880,256, 11-14-89, Cl. 283-92.000.
Ferre, F. Budd; Sims, Rowell; Bowen, Wesley G.; and Kesler, Vibert L., to Parapluie, Ltd. Integrated free-standing vehicle detailing service center. 4,880,026, 11-14-89, Cl. 137-234.600.
Ferre, Penelope J. Humidity chamber for immunoperoxidase staining. 4,824,788, 4-25-89, Cl. 435-298.000.
Ferree, Herbert E., to Westinghouse Electric Corp. Hermetic feedthrough change-out module device and method for use in a pressurized spacecraft hull. 4,817,894, 4-4-89, Cl. 244-158.00R.
Ferree, Herbert E.; and Beal, William S., to Westinghouse Electric Corp. Bladder device and method for displacing air in a bottle bore shaft. 4,854,945, 8-8-89, Cl. 55-55.000.
Ferreira de Abreu, Alfredo, to Mida-Maquinas Industrialis do Ave., Lda. Woodworking machine with feeding system. 4,886,099, 12-12-89, Cl. 144-117.00R.
Ferreira-Godinho, Manuel. Organizational aid for paper sheets, especially EDP paper sheets. 4,842,434, 6-27-89, Cl. 402-34.000.
Ferreira, Nicholas C., to Aerospace Testing Lab, Inc. Ultrasonic testing method. 4,805,459, 2-21-89, Cl. 73-620.000.
Ferrell, Clarence D.: *See—*
Dunlap, Kenneth L.; Markusch, Peter H.; and Ferrell, Clarence D., 4,888,442, Cl. 560-352.000.
Ferrell, Howard H.: *See—*
Radd, Frederick J.; and Ferrell, Howard H., 4,833,915, Cl. 73-153.000.
Ferrell, Kent W., to Otis Engineering Corporation. Gate valve with hydraulic actuator. 4,836,243, 6-6-89, Cl. 137-556.000.
Ferrell, William J.: *See—*
Bernhardt, Randal J.; and Ferrell, William J., 4,857,305, Cl. 424-59.000.
Ferren, Bran; Cullum, Phillip; Harrison, Charles F.; and Winner, Kenneth R., to Bran Ferren Corporation, The. High speed, high volume gas pulse generator. 4,815,694, 3-28-89, Cl. 251-25.000.
Ferren, Bran; Harrison, Charles F.; Hope, Clinton B.; and Kohut, Robert J., to Strand Lighting, Inc. Two-axis beam steering system for use in automated light fixtures. 4,827,387, 5-2-89, Cl. 362-284.000.
Ferren, Richard A.: *See—*
Bloomfield, Philip E.; Ferren, Richard A.; and Wickwire, Dean H., 4,800,048, Cl. 264-22.000.
Ferren, Robert C. Lamp device. 4,875,852, 10-24-89, Cl. 431-324.000.
Ferrer, Enrique, to Motorola, Inc. Signal input to differential output amplifier. 4,885,550, 12-5-89, Cl. 330-301.000.
Ferrer, Euler R. Dental implement for fluid aspiration and tissue retraction. 4,883,426, 11-28-89, Cl. 433-91.000.
Ferrer Internacional S.A.: *See—*
Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; Castello, Josep M.; and Ortiz, Jose A., 4,843,165, Cl. 548-341.000.
Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; and Ortiz, Jose A., 4,859,675, Cl. 514-255.000.
Foguet, Rafael; Ortiz, Jose A.; Gubert, Santiago; Raga, Manuel M.; and Sacristan, Aurelio, 4,883,797, Cl. 514-255.000.
Ferrer, John J., to Hughes Aircraft Company. Integrated head-up and panel display unit. 4,799,765, 1-24-89, Cl. 350-174.000.
Ferrero, Jean-Pierre: *See—*
Bernard, Patrice; Sauvage, Laurent; Girard, Henri; and Ferrero, Jean-Pierre, 4,876,057, Cl. 376-216.000.
Ferrero oHG m.b.H.: *See—*
Cavallin, Riccardo, 4,855,155, Cl. 426-564.000.
Ferrero, Pietro, to Ferrero S.p.A. Method and apparatus for extrusion, particularly for extruding masses of food products. 4,820,470, 4-11-89, Cl. 264-555.000.
Ferrero, Pietro, to Ferrero S.p.A. Method for the preparation of a bakery product. 4,826,697, 5-2-89, Cl. 426-281.000.
Ferrero, Pietro, to Ferrero S.p.A. Pick-up device, particularly for automatic lifting and conveying apparatus for plants for the packaging of food products. 4,832,180, 5-23-89, Cl. 198-468.300.

Ferrero, Pietro, to Ferrero S.p.A. Device for the manufacture of food products, particularly confectionery wafer products. 4,854,228, 8-8-89, Cl. 99-450.600.
Ferrero S.p.A.: *See—*
Ferrero, Pietro, 4,820,470, Cl. 264-555.000.
Ferrero, Pietro, 4,826,697, Cl. 426-281.000.
Ferrero, Pietro, 4,832,180, Cl. 198-468.300.
Ferrero, Pietro, 4,854,228, Cl. 99-450.600.
Ferrero & Wepfer: *See—*
Lara, Francisco J., 4,874,092, Cl. 206-492.000.
Ferri, Giampiero. Toy firearm for firing projectiles by compressed air, with the piston of the cylinder-piston system attached to the hammer of the firearm. 4,841,655, 6-27-89, Cl. 42-58.000.
Ferri, Giampiero. Toy firearm operated by compressed air, with magazine in an element in the guise of a trigger. 4,843,751, 7-4-89, Cl. 42-54.000.
Ferri, Giampiero. Toy firearm shaped like a sidearm and operated by means of a compressed-air system for firing light-weight projectiles. 4,864,759, 9-12-89, Cl. 42-54.000.
Ferri, Gualtiero: *See—*
Pivotto, Bruno; Ferri, Gualtiero; and Campana, Franco, 4,822,858, Cl. 525-246.000.
Ferri, Joseph E. Porous filter media support plate. 4,882,053, 11-21-89, Cl. 210-293.000.
Ferrier, Donald R.: *See—*
Larson, Gary B.; Ferrier, Donald R.; Ruszczyk, Stanley J.; and Castaldi, Steven A., 4,831,210, Cl. 174-35.0MS.
Ferriere Nord Spa: *See—*
Masera, Ercole, 4,819,888, Cl. 242-77.200.
Ferrieu, Gilbert M. M., to Telecommunications Radioelectriques et Telephoniques T.R.T. Echo canceller using delta modulation. 4,827,472, 5-2-89, Cl. 370-32.100.
Ferrigno, Stephen J.; Somerville, Mark; and Young, William R., to General Electric Company. Alloy powder mixture for treating alloys. 4,830,934, 5-16-89, Cl. 428-678.000.
Ferrill, Howard M. Clip-collar for security badges. 4,795,069, 1-3-89, Cl. 224-202.000.
Ferring Service Center, N.V.: *See—*
Vilhardt, Hans, 4,871,542, Cl. 424-423.000.
Ferrini, Pier G.; and Sprecher, Andreas v., to Ciba-Geigy Corporation. Disubstituted piperazines. 4,804,661, 2-14-89, Cl. 514-255.000.
Ferrio, Linda J.: *See—*
Hunter, Arthur C.; and Ferrio, Linda J., 4,823,311, Cl. 364-900.000.
Ferrio, Tom M.; and Wilson, Carey B., to Texas Instruments Incorporated. Communications system employing control line minimization. 4,831,358, 5-16-89, Cl. 340-825.500.
Ferris, Boyd M. Slide fastener system. 4,865,501, 9-12-89, Cl. 411-340.000.
Ferris, Donald L.; and Byrnes, Francis E., to United Technologies Corporation. Composite helicopter rotor hub. 4,797,064, 1-10-89, Cl. 416-134.00A.
Ferris, Donald L.; Byrnes, Francis E.; and Varholak, Lawrence N., Jr., to United Technologies Corporation. Composite helicopter swashplate. 4,804,315, 2-14-89, Cl. 416-114.000.
Ferris, Donald L.: *See—*
Matuska, David G.; and Ferris, Donald L., 4,874,292, Cl. 416-140.000.
Ferris Industries, Inc.: *See—*
Wenzel, Philip H., 4,879,867, Cl. 56-11.100.
Ferris, James E. Air conditioner test gauge with pressure zone markings. 4,829,829, 5-16-89, Cl. 73-744.000.
Ferris, John. Cut flower storage and display unit and system. 4,802,304, 2-7-89, Cl. 47-41.00R.
Ferris, John. Method and apparatus for cut flower storage and display. 4,884,364, 12-5-89, Cl. 47-41.010.
Ferris Manufacturing Corp.: *See—*
Sessions, Robert W.; and Rodzen, Richard A., 4,817,261, Cl. 29-429.000.
Sessions, Robert W., 4,884,563, Cl. 128-155.000.
Ferris, Ray L.; and Przybylinski, Phillip G., to Trinity Industries, Inc. Well car end structure having frameless radial truck. 4,805,539, 2-21-89, Cl. 105-355.000.
Ferris, Robert, to Cetus Corporation. Stable formulations of ricin toxin a chain and of RTA-immunoconjugates and stabilizer screening methods therefor. 4,808,705, 2-28-89, Cl. 530-391.000.
Ferriss, Lincoln S.; and Weitzner, Mark A., to Kearfott Guidance & Navigation Corporation. Velocity control system using piezoelectric transducers. 4,856,901, 8-15-89, Cl. 356-350.000.
Ferriter, Kate M.; and Mathis, Robert B., to International Business Machines Corp. Automated bill of material. 4,847,761, 7-11-89, Cl. 364-401.000.
Ferriter, Kate M.; and Palmer, Elaine R., to International Business Machines Corp. Bill of material interface to CAD/CAM environment. 4,862,376, 8-29-89, Cl. 364-468.000.
Ferriter, Kate M.; and Mathis, Robert B., to International Business Machines Corporation. Automated interfacing of design/engineering software with project management software. 4,875,162, 10-17-89, Cl. 364-401.000.
Ferro, Adolph J.: *See—*
Riscoe, Michael K.; Fitchen, John H.; and Ferro, Adolph J., 4,820,692, Cl. 514-23.000.
Ferro, Alberto; and Steffen, Hans, to Hoffmann-La Roche Inc. Parenteral micelle solutions. 4,882,164, 11-21-89, Cl. 424-450.000.
Ferro, Armand P.: *See—*
Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goodwin, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoer, Wiebe B., 4,828,224, Cl. 251-298.000.
Ferro Corporation: *See—*
Ali, Mir L.; Bateman, John F.; and Man, Ming, 4,820,760, Cl. 524-423.000.
Gettys, James R.; Johnson, Gordon H.; Demiray, Temel; and Faust, William D., 4,882,301, Cl. 501-17.000.
Ramey, Chester E.; Thompson, Ronald E.; and Rostek, Charles J., Jr., 4,804,717, Cl. 525-375.000.
Roberts, Gordon J., 4,859,637, Cl. 501-79.000.
Ferro, Francesco: *See—*
Boller, Giorgio; Ferro, Francesco; and Colli, Luigi, 4,854,509, Cl. 242-18.00R.
Montali, Sergio; Ferro, Francesco; and Colli, Luigi, 4,858,837, Cl. 242-18.00R.
Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, 4,854,510, Cl. 242-18.0DD.
Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, 4,854,514, Cl. 242-18.00R.
Ferro, Gregory A., to Imi-Tech Corporation. Articles of manufacture and their production. 4,874,452, 10-17-89, Cl. 156-308.600.
Ferro, Gregory A., to Imi-Tech Corporation. Recurable and cured cellular materials. 4,883,827, 11-28-89, Cl. 521-184.000.
Ferro, John T., Jr.; Jacobs, Patrick C.; Laye, Robert M.; and Starr, Brian D., to International Business Machines Corporation. Method for moving VSAM base clusters while maintaining alternate indices into the cluster. 4,855,907, 8-8-89, Cl. 364-300.000.
Ferro, Michael P.: *See—*
Wachter, Michael P.; and Ferro, Michael P., 4,826,868, Cl. 514-407.000.
Ferro, Salvatore D.; Isaksen, Robert A.; and Stupi, Robert J., to Excello Specialty Company, The. Method of forming a surface protector with an expansible pocket. 4,865,791, 9-12-89, Cl. 264-134.000.
Ferrofluidics Corporation: *See—*
Black, Thomas J., Jr., 4,817,964, Cl. 277-1.000.
Raj, Kuldip; Gowda, Hanumaiah L.; and Moskowitz, Ronald, 4,797,013, Cl. 384-462.000.
Raj, Kuldip; and Moskowitz, Ronald, 4,824,122, Cl. 277-80.000.
Raj, Kuldip; and Moskowitz, Ronald, 4,830,384, Cl. 277-80.000.
Raj, Kuldip; Bonvouloir, James; Moskowitz, Ronald; and Bloom, Frank, 4,865,334, Cl. 277-80.000.
Ferroli, Paolo, to Ferroli, Paolo. Boiler element. 4,886,018, 12-12-89, Cl. 122-367.00C.
Ferrosud S.p.A.: *See—*
Mangone, Angelo, 4,869,177, Cl. 105-4.200.
Mangone, Angelo, 4,887,535, Cl. 105-3.000.
Ferrotec, Inc.: *See—*
Hoyt, Charles D., 4,862,752, Cl. 73-862.340.
Ferrrari, Vittorio; Carenzi, Angelo; and Della Bella, Davide, to Zambon S.p.A. Thioesters for the treatment of ischemia and reperfusion syndromes. 4,812,477, 3-14-89, Cl. 514-513.000.
Ferrus, Joele: *See—*
Lachat, Claude; and Ferrus, Joele, 4,812,805, Cl. 340-825.050.
Ferry, David K.: *See—*
Bernstein, Gary; and Ferry, David K., 4,872,038, Cl. 357-4.000.
Bernstein, Gary; Ferry, David K.; and Liu, Wenping, 4,877,716, Cl. 430-309.000.
Ferstay, William G. Positioning device. 4,866,903, 9-19-89, Cl. 52-677.000.
Ferti, Corrado: *See—*
Cozzi, Paolo; Ferti, Corrado; Salvati, Patricia; Carganico, Germano; and Pillan, Antonio, 4,882,347, Cl. 514-396.000.
Fertig, Glenn H.; and Zinn, T. Lee, to Mine Safety Appliances Company. Organic fluid detection system and apparatus. 4,806,314, 2-21-89, Cl. 422-78.000.
Fertig, Glenn H., to Mine Safety Appliances Company. Photo-acoustic detector. 4,866,681, 9-12-89, Cl. 367-140.000.
Fertig, Glenn H.: *See—*
Bossart, Clayton J.; Fertig, Glenn H.; and Welker, Albert L., 4,799,374, Cl. 73-1.00G.
Bossart, Clayton J.; Fertig, Glenn H.; and Welker, Albert L., 4,827,778, Cl. 73-863.210.
Fertig, Glenn H., Sr., to Mine Safety Appliances Company. Analyzer with compensation. 4,849,636, 7-18-89, Cl. 250-343.000.
Fertig, Timothy M.: *See—*
Grapes, Thomas F.; Fertig, Timothy M.; and Schroeder, Mark S., 4,849,858, Cl. 361-388.000.
Grapes, Thomas F.; Fertig, Timothy M.; and Schroeder, Mark S., 4,867,235, Cl. 165-185.000.
Rodriguez, Noe E., II; Flaherty, William T., Jr.; Duggan, Sharon A.; and Fertig, Timothy M., 4,837,664, Cl. 361-386.000.
Ferziger, Daniel; and Lippman, Jerry, to Ferziger, Daniel. Coated fabric and mattress ticking. 4,801,493, 1-31-89, Cl. 428-268.000.
Fesenmeier, Hugo; Zumkeller, Oskar; Schneider, Werner; and Grieser, Hans, to Mannesmann Kienzle GmbH. Push button for an inductive value input keyboard. 4,853,666, 8-1-89, Cl. 336-130.000.
Feser, Rainer: *See—*
Arndt, Volker; Feser, Rainer; Steck, Werner; and Jakusch, Helmut, 4,826,671, Cl. 423-633.000.
Feser, Winfried, to FAG Kugelfischer Georg Schafer (KGaA). Sliding sleeve of a clutch of an automotive vehicle. 4,838,402, 6-13-89, Cl. 192-98.000.

Fesko, James W.: *See—*
  Donachie, Stephen J.; Fesko, James W.; Furgal, James J.; and Sczerzenie, Francis E., 4,808,225, Cl. 75-246.000.
Fesler, Kenneth A.: *See—*
  Youngquist, Robert C.; Wentworth, Robert H.; and Fesler, Kenneth A., 4,818,064, Cl. 350-96.150.
Fesman, Gerald, to Akzo America Inc. Flame laminatable polyether urethane foam. 4,880,844, 11-14-89, Cl. 521-107.000.
Fessel, Reinhard: *See—*
  Hartmann, Ulrich; Fessel, Reinhard; and Jansen, Dirk, 4,873,626, Cl. 74-5.340.
Fest, Christa; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Kysela, Ernst; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., to Bayer Aktiengesellschaft. Substituted 1-benzylsulphonyl-3-heteroaryl-(thio)urea herbicides. 4,806,147, 2-21-89, Cl. 71-92.000.
Fest, Christa; Riebel, Hans-Jochem; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., to Bayer Aktiengesellschaft. O-aryl-N'-(triazin-2-yl)-isourea herbicides. 4,822,406, 4-18-89, Cl. 71-93.000.
Fest, Christa; Riebel, Hans-Jochem; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., to Bayer Aktiengesellschaft. Phenylsulphonylisourea herbicides. 4,846,879, 7-11-89, Cl. 71-93.000.
Fest, Christa; Hanssler, Gerd; and Brandes, Wilhelm, to Bayer Aktiengesellschaft. Pesticidal α-methylsulphonyl-benzaldoximes and carbamates thereof. 4,859,235, 8-22-89, Cl. 71-103.000.
Fest, Christa; Findeisen, Kurt; Brandes, Wilhelm; Dutzmann, Stefan; Hanssler, Gerd; and Reinecke, Paul, to Bayer Aktiengesellschaft. Fungicidal benzaldoxime derivatives. 4,886,832, 12-12-89, Cl. 514-477.000.
Fest, Christa: *See—*
  Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
  Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Eue, Ludwig, 4,840,661, Cl. 71-90.000.
Festa, Ronald P.: *See—*
  Reich, Ronald A.; and Festa, Ronald P., 4,830,768, Cl. 252-49.300.
Festo KG: *See—*
  Stoll, Kurt; and Muller, Lothar, 4,876,945, Cl. 92-5.00R.
  Stoll, Kurt, 4,877,058, Cl. 137-625.480.
Festoso, Antonio: *See—*
  Festoso, Eugenia; and Festoso, Antonio, 4,862,553, Cl. 16-124.000.
Festoso, Eugenia; and Festoso, Antonio. Furniture handles. 4,862,553, 9-5-89, Cl. 16-124.000.
Fetcenko, Michael A.: *See—*
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Fetcenko, Raymond M.; Wydro, Jan; and Zuponcic, Ralph P., to Nordson Corporation. Apparatus for adhesive transfer. 4,888,082, 12-19-89, Cl. 156-500.000.
Fetcko, Michael, to Aro Corporation, The. Evacuation pump assembly. 4,872,816, 10-10-89, Cl. 417-360.000.
Feth, Susan E.: *See—*
  Loce, Robert P.; Feth, Susan E.; Lama, William L.; and Lehman, Richard F., 4,868,587, Cl. 346-157.000.
Fethke, Walter P., Jr.: *See—*
  Flank, William H.; Fethke, Walter P., Jr.; and Marte, Julio, 4,818,508, Cl. 423-328.000.
Fetiveau, Jean Y. L., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Compressor rotor blade having a tip with asymmetric lips. 4,875,831, 10-24-89, Cl. 416-228.000.
Fetner, Alan E.: *See—*
  Low, Samuel B.; Fetner, Alan E.; Clark, Arthur E., Jr.; Hench, Larry L.; and Wilson-Hench, June, 4,851,046, Cl. 106-35.000.
Fetsko, Thomas M. Grommet and connector link protector shield. 4,817,893, 4-4-89, Cl. 244-142.000.
Fett, Gregory A., to Dana Corporation. Method for forming a contour hardened gear. 4,885,831, 12-12-89, Cl. 29-159.200.
Fett, James W.: *See—*
  Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., 4,853,219, Cl. 424-85.800.
  Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., 4,879,222, Cl. 435-68.000.
Fett, Jurgen: *See—*
  Langhans, Gerhard P.; Fett, Jurgen; and Oelschlager, Karl G., 4,823,939, Cl. 198-805.000.
Fette, Bruce, to Motorola, Inc. ASCII LPC-10 conversion. 4,872,202, 10-3-89, Cl. 381-52.000.
Fette, Bruce A., to Motorola, Inc. Variable frame rate, fixed bit rate vocoding method. 4,852,179, 7-25-89, Cl. 381-29.000.
Fette, Bruce A.; Lewis, Leslie K.; Briel, Marc L.; and Makovicka, Thomas J., to Motorola, Inc. Digital signal processing apparatus. 4,862,407, 8-29-89, Cl. 364-900.000.
Fetter, Richard W.; Gadsby, Peter D.; and Kabachinski, Jeffery L., to Marquette Electronics, Inc. Microwave hyperthermia probe. 4,841,988, 6-27-89, Cl. 128-804.000.
Fetterhoff, Donald C.: *See—*
  Humphries, David R.; Fetterhoff, Donald C.; and Higgins, William R., 4,799,631, Cl. 244-118.500.
Fetterman, Thomas. Crutch tip. 4,881,564, 11-21-89, Cl. 135-82.000.
Fetterolf Corporation: *See—*
  Ritter, Andrew M.; Fetterolf, John S.; and Williams, James W., 3rd, 4,867,197, Cl. 137-315.000.
Fetterolf, John S.: *See—*
  Ritter, Andrew M.; Fetterolf, John S.; and Williams, James W., 3rd, 4,867,197, Cl. 137-315.000.
Fetters, G. David, to Indwell Products Corporation. Portable collapsible baby crib. 4,819,285, 4-11-89, Cl. 5-99.00R.
Fettweis, Alfred, to Siemens Aktiengesellschaft. Multi-dimensional digital filter having adders, multipliers and shift elements. 4,866,649, 9-12-89, Cl. 364-724.140.
Fetzer, Gerhard; and Kalitzki, Siegfried, to Stahlecker, Fritz; and Stahlecker, Hans. Process for producing an open-end spinning rotor. 4,866,927, 9-19-89, Cl. 57-414.000.
Fetzer, Gerhard; and Bader, Eugen, to Stahlecker, Fritz; and Stahlecker, Hans. Opening roller for an opening device of an open-end spinning machine. 4,882,812, 11-28-89, Cl. 19-112.000.
Fetzer, Gerhard: *See—*
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Fetzer, Gunter; and Smetana, Klaus, to Erwin Sick GmbH Optik Elektronik. Optical autocollimation measuring apparatus. 4,798,965, 1-17-89, Cl. 250-573.000.
Fetzer, Gunter; and Hippenmeyer, Heinrich, to Erwin Sick GmbH Optik Elektronik. Picture recording apparatus. 4,851,913, 7-25-89, Cl. 358-206.000.
Fetzer, Gunter, to Erwin Sick GmbH Optik-Electronik. Light curtain apparatus. 4,875,761, 10-24-89, Cl. 350-171.000.
Feucht, Hans-Dieter: *See—*
  Birkle, Siegfried; Sezi, Recai; Feucht, Hans-Dieter; and Leuschner, Rainer, 4,812,200, Cl. 156-643.000.
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  Haldric, Bernard; and Feucht, Pascal, 4,852,380, Cl. 72-402.000.
Feucht, Peter, to Siemens Aktiengesellschaft. Monitoring circuit for an RF surgical apparatus. 4,862,889, 9-5-89, Cl. 128-303.130.
Feuchter, Wolfgang: *See—*
  Stahlecker, Fritz; Stahlecker, Hans; and Feuchter, Wolfgang, 4,854,119, Cl. 57-417.000.
  Stahlecker, Fritz; and Feuchter, Wolfgang, 4,866,925, Cl. 57-301.000.
Feuer, Hank O.: *See—*
  Touchet, Paul; Rodriguez, Gumersindo; Gatza, Paul E.; Butler, Daniel P.; Crawford, Dawn; Teets, Alan R.; Feuer, Hank O.; and Flanagan, David P., 4,843,114, Cl. 524-87.000.
Feuerbaum, Hans-Peter; and Frosien, Juergen, to Siemens Aktiengesellschaft. Spectrometer objective for electron beam mensuration techniques. 4,808,821, 2-28-89, Cl. 250-305.000.
Feuerbaum, Hans-Peter; and Frosien, Juergen, to Siemens Aktiengesellschaft. Spectrometer objective for particle beam measuring instruments. 4,812,651, 3-14-89, Cl. 250-310.000.
Feuerbaum, Hans-Peter: *See—*
  Frosien, Juergen; and Feuerbaum, Hans-Peter, 4,831,266, Cl. 250-347.000.
Feuerstacke, Ewald: *See—*
  Reichelt, Wolfgang; Scheulen, Matthias; Schwerdtfeger, Klaus; Voss-Spilker, Peter; and Feuerstacke, Ewald, 4,836,271, Cl. 164-417.000.
Feuerstein, Albert; Eberhardt, Helmut; Lammermann, Helmut; Bauer, Volker; and Lobig, Gerard, to Leybold-Heraeus GmbH. Apparatus for producing coils from films of insulating material, conductively coated under vacuum. 4,815,415, 3-28-89, Cl. 118-718.000.
Feuerstein, Albert: *See—*
  Bauer, Volker; Feuerstein, Albert; Hartig, Klaus; Kienel, Gerhard; Lammermann, Helmuth; and Zirkel, Wolfgang, 4,828,872, Cl. 427-39.000.
Feuerstein, Dieter W.; and Bernhard, Otto, to Messerschmitt-Bolkow-Blohm GmbH. Low flight method for automatic course determination. 4,805,108, 2-14-89, Cl. 364-433.000.
Feuerstein, Helmut: *See—*
  Geisler, Edda; Feuerstein, Helmut; and Lange, Hans, 4,847,196, Cl. 435-26.000.
Feugier, Alain: *See—*
  Hellio, Herve; Feugier, Alain; Martin, Gerard; and Pontier, Renaud, 4,862,954, Cl. 165-104.130.
  Martin, Gerard; and Feugier, Alain, 4,861,458, Cl. 208-73.000.
Feuling, James J. High efficiency transition element positioned intermediate multi-cylinder exhaust system and secondary pipe assemblies. 4,796,426, 1-10-89, Cl. 60-313.000.
Feuling, James J. Values for improved fluid flow therearound. 4,815,706, 3-28-89, Cl. 251-356.000.
Feuling, James J. Muffler for an internal combustion engine. 4,834,214, 5-30-89, Cl. 181-249.000.
Feuling, James J. Curved intake duct having improved flow characteristics. 4,838,219, 6-13-89, Cl. 123-188.00M.
Feulner, Alfred; and Schmitt, Norbert, to U.S. Philips Corp. Method of producing a device for coupling an optical waveguide to an optical component. 4,848,866, 7-18-89, Cl. 350-96.200.
Feustel, Edwar A.: *See—*
  Chan, Carl; and Feustel, Edwar A., 4,812,981, Cl. 364-200.000.
Feustel, Mattias; Frotscher, Guenter; Nitschke, Wieland; Obenauf, Dieter; Saupe, Juergen; and Weidelt, Manfred, to VEB Forschung und Entwicklung. Electrically conductive two component twisted yarn and fabrics for textile flat goods for clean rooms and clean room wearing apperel. 4,840,202, 6-20-89, Cl. 139-425.00R.
Feustel, Timothy C.; Glemboski, Mark A.; Ordun, Michael R.; Velius, George A.; and Weinstein, Stephen B., to Bell Communications Research, Inc. Speaker verification system using integrated circuit cards. 4,827,518, 5-2-89, Cl. 381-42.000.

Feutrill, Geoffrey I.: *See—*
  Cameron, Donald W.; Feutrill, Geoffrey I.; and Griffiths, Peter G., 4,822,873, Cl. 536-6.400.
Feuvrier, Thierry; and Forestier, Alexandre, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Stator assembly for the fan of a multi-flow turbo-jet engine. 4,820,120, 4-11-89, Cl. 415-189.000.
Feuz, Fritz; and Hora, Ferdinand, to Von Roll Habegger AG. Overhead cable transport installation, especially aerial cableway. 4,794,864, 1-3-89, Cl. 104-168.000.
Feuz, Fritz, to Von Roll Transportsysteme AG. Overhead cable transport installation containing a transfer section between a disembarking section and an embarking section. 4,843,970, 7-4-89, Cl. 104-27.000.
FEV Motorentechnik GmbH & Co., KG: *See—*
  Lepperhoff, Gerhard; and Huthwohl, Georg, 4,872,889, Cl. 55-267.000.
Fey, Donald; Legg, John T.; and Pierson, Mark V., to International Business Machines Corporation. Automatic extrusion pinning method and apparatus. 4,813,130, 3-21-89, Cl. 29-845.000.
Fey, Edward G.: *See—*
  Penman, Sheldon; and Fey, Edward G., 4,882,268, Cl. 435-5.000.
  Penman, Sheldon; and Fey, Edward G., 4,885,236, Cl. 435-6.000.
Fey, Hans, to Matra-Werke GmbH. Motor vehicles equipped for decontamination purposes. 4,847,928, 7-18-89, Cl. 4-661.000.
Fey, Hans; and Czapiewski, Manfred, to Matra-Werke GmbH. Device for the continuous production of a liquid mixture of solids and liquids. 4,859,072, 8-22-89, Cl. 366-165.000.
Fey, Hans: *See—*
  Zinkann, Peter; Huttemann, Wilfried; Fey, Hans; Stork, Friedrich W.; Herden, Rudolf; and Schultz, Wilfried, 4,821,537, Cl. 68-208.000.
Fey, Jochen: *See—*
  Dodmann, Gerd; Kroggel, Otto; Fey, Jochen; Kopp, Harald; and Fritz, Christoph, 4,837,509, Cl. 324-207.000.
Fey, Kenneth C.; and Price, John G., to Dow Corning Corporation. Water beading-water shedding repellent composition. 4,846,886, 7-11-89, Cl. 106-2.000.
Fey, Kenneth C.; Freiberg, Alan L.; and Price, John G., to Dow Corning Corporation. Low volatility water repellents. 4,874,431, 10-17-89, Cl. 106-2.000.
Fey, Maurice G., to Westinghouse Electric Corp. Method for processing oxidic materials in metallurgical waste. 4,802,919, 2-7-89, Cl. 75-25.000.
Fey, Maurice G.; Lange, William J.; Freidhoff, Carl B.; and Slade, Paul G., to Westinghouse Electric Corp. Vacuum interrupter with simplified enclosure and method of assembly. 4,880,947, 11-14-89, Cl. 200-144.00B.
Fey, Michael S. Anti-smoking oral composition. 4,832,994, 5-23-89, Cl. 428-48.000.
Fey, Rainer; Look, Gunter; and Dumbser, Gerhard, to Sachs-Huret S.A. Data display instrument for a bicycle. 4,862,395, 8-29-89, Cl. 364-561.000.
Fey, Rainer: *See—*
  Dumbser, Gerhard; Fey, Rainer; and Nurnberger, Gunter, 4,835,468, Cl. 324-166.000.
Fey, Volker; Pachaly, Bernd; and Zeller, Norbert, to Wacker-Chemie GmbH. Process for preparing a silicon carbide protective coating. 4,879,142, 11-7-89, Cl. 427-227.000.
Feyen, Peter: *See—*
  Kraatz, Udo; and Feyen, Peter, 4,804,766, Cl. 548-262.000.
Feyen, Vincent: *See—*
  Hager, Jorg; Ghyczy, Miklos; Feyen, Vincent; Imberge, Paul; Brandenburg, Ulrich; and Wilperath, Peter, 4,874,553, Cl. 260-403.000.
Feyer, Gerhard. Adjustable planer extension table. 4,830,076, 5-16-89, Cl. 144-287.000.
Feyerabend, Franz: *See—*
  Brodling, Gunter; Feyerabend, Franz; Hubert, Peter; Krahling, Franz; Peitz, Wolfgang; Sewing, Karlernst; and Schnelle, Diethard, 4,797,790, Cl. 362-61.000.
Feyerabend, Klaus D.: *See—*
  Haberhauer, Karl; Feyerabend, Klaus D.; Heitzmann, Bruno; Lieberenz, Alfred; and Schimmel, Harry, 4,826,351, Cl. 404-35.000.
Feygenson, Anatoly, to Thompson-CSF Components Corporation. Bipolar microwave integratable transistor. 4,812,890, 3-14-89, Cl. 357-34.000.
Feygenson, Anatoly, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Techniques useful in fabricating semiconductor devices having submicron features. 4,818,713, 4-4-89, Cl. 437-31.000.
Feygenson, Anatoly, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Submicron bipolar transistor with buried silicide region. 4,860,085, 8-22-89, Cl. 357-59.000.
Feygenson, Anatoly: *See—*
  Easter, William G.; and Feygenson, Anatoly, 4,839,309, Cl. 437-160.000.
Feygin, Ilya: *See—*
  Tsals, Izrail; Feygin, Ilya; and Marder, William, 4,796,463, Cl. 73-862.330.
Feyman, Carl: *See—*
  Thiel, Tamiko; Clayton, Richard; Feyman, Carl; Hillis, W. Daniel; and Kahle, Brewster, 4,805,091, Cl. 364-200.000.
Feyrer, Clyde D.; Gordon, N. Ross; and Skiens, W. Eugene, to Optical Data, Inc. Erasable optical data storage medium and method and apparatus for recording data on the medium. 4,852,075, 7-25-89, Cl. 369-100.000.
F'Geppert, Erwin, to United States of America, Army. Infinitely variable ratio transmission. 4,805,489, 2-21-89, Cl. 74-793.000.
FGL Projects Limited: *See—*
  Gannon, Raymond, 4,798,324, Cl. 229-125.350.
  Gannon, Raymond, 4,799,863, Cl. 417-84.000.
FHG: *See—*
  Melchior, Klaus; Rueff, Manfred; and Federle, Hartmut, 4,835,605, Cl. 358-107.000.
FHJ Amino Acid Formula Trust: *See—*
  Farrish, James H., 4,868,213, Cl. 514-561.000.
Fiacco, Vincent M.: *See—*
  Babuka, Robert; Fiacco, Vincent M.; and Piechota, John L., 4,863,395, Cl. 439-260.000.
Fiacconi, Claudio; and Franzosi, Antonio, to Honeywell Bull Italia S.p.A. Multiprocessor system with interrupt notification and verification unit. 4,862,354, 8-29-89, Cl. 364-200.000.
Fialko, Margaret: *See—*
  Gosis, Anatoly I.; and Fialko, Margaret, 4,865,284, Cl. 248-187.000.
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FIAM S.r.L.: *See—*
  Livi, Vittorio, 4,824,729, Cl. 428-428.000.
Fiaschetti, Mary G. Dermal cosmetic composition and applications therefor. 4,885,157, 12-5-89, Cl. 424-59.000.
Fiat Auto S.p.A.: *See—*
  Acuto, Giovanni; and DeMaria, Attilio, 4,846,520, Cl. 296-65.100.
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  Bertone, Antonino; and Ippolito, Luigi P., 4,807,946, Cl. 303-115.000.
  Brizio, Giuseppe; Gallizio, Roberto; and Tosco, Luigi, 4,867,666, Cl. 425-190.000.
  Egidi, Corrado; and Mongiano, Riccardo, 4,799,397, Cl. 74-473.00R.
  Falzoni, GianLuigi; and Pastorello, Valter, 4,[illegible]6,041, Cl. 74-339.000.
  Falzoni, Gianluigi, 4,864,894, Cl. 74-866.000.
  Filtri, Luigi; and Prato, Luigi, 4,865,378, Cl. 296-197.000.
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  Giacosa, Dante, 4,875,893, Cl. 474-28.000.
  Manfre, Giovanni; and Mannone, Giuseppe, 4,806,204, Cl. 162-106.000.
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  Masoero, Marco; and Garrone, Angelo, 4,838,603, Cl. 296-180.100.
  Mora, Gianfranco, 4,813,721, Cl. 296-65.100.
  Piazzo, Diego, 4,879,980, Cl. 123-193.00H.
  Puozzo, Luciano; Contrafatto, Guido; and Gay, Paolo, 4,808,791, Cl. 219-121.780.
  Puozzo, Luciano; Contrafatto, Guido; and Gay, Paolo, 4,851,637, Cl. 219-121.780.
  Re Fiorentin, Stefano; and Gaudenzi, Renzo, 4,887,025, Cl. 324-65.00R.
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  Volonta, Piero; and Picciriello, Matteo, 4,873,763, Cl. 29-825.000.
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Fiatgeotech-Tecnologie per la terra S.p.A.: *See—*
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Fiaux, Andre : *See—*
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Fiber Materials, Inc.: *See—*
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  Goddard, David M.; and Sexton, Richard W., 4,831,707, Cl. 29-419.100.
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Fiber-Speed International, Inc.: *See—*
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Fibercast Company: *See—*
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Fiberglas Canada Inc.: *See—*
  Dewill, John M., 4,867,232, Cl. 165-96.000.
  Kyle, Teresa M.; Meunier, Paul J.; and MacPherson, Edwin J., 4,882,364, Cl. 521-136.000.
  Meunier, Paul J.; Lunt, James; and MacPherson, Edwin J., 4,883,824, Cl. 521-88.000.
Fiberglass Engineering Incorporated: *See—*
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Fibergrate Corporation: *See—*
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Fiberoptic Sensor Technologies, Inc.: *See—*
  Pidorenko, John; Hoffman, Alan R.; Hodge, Robert F.; and Wang, Wei-Min, 4,856,317, Cl. 73-4.00R.
Fiberstars, Inc.: *See—*
  Awai, George K., 4,825,341, Cl. 362-32.000.
Fibertek, Inc.: *See—*
  Koechner, Walter, 4,870,352, Cl. 324-158.00D.

- Fibiger, Richard F.; Colucci, Michael J.; Forgach, David J.; Wessling, Ritchie A.; and Schmidt, Donald L., to Dow Chemical Company, The. Rejection enhancing coatings for reverse osmosis membranes. 4,828,700, 5-9-89, Cl. 210-500.320.
- Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., to Filmtec Corp.; and Dow Chemical Company. Novel polyamide reverse osmosis membranes. 4,859,384, 8-22-89, Cl. 264-45.100.
- Fibiger, Richard F.: *See—*
  - Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,797,187, Cl. 204-180.200.
  - Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,839,203, Cl. 427-244.000.
- Fibre Dynamics Limited: *See—*
  - Duffy, Geoffrey G., 4,871,284, Cl. 406-49.000.
- Fibre Glass-Evercoat Company, Inc.: *See—*
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- Fibresand Limited: *See—*
  - Armond, Victor J., 4,819,933, Cl. 272-3.000.
- Fibrestone Inc.: *See—*
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- Fibro GmbH: *See—*
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- Ficalora, Joseph P.: *See—*
  - Doran, Robert A.; and Ficalora, Joseph P., 4,836,677, Cl. 356-350.000.
- Fichlseder, Martin; and Preuss, Ingo, to Krauss-Maffei A.G. Process for production of an injected molded part. 4,880,587, 11-14-89, Cl. 264-154.000.
- Ficho, William, to Vasilia, Ltd. Cigarette lighter with charm mounted thereon. 4,880,377, 11-14-89, Cl. 431-126.000.
- Fichtel & Sachs AG: *See—*
  - Brunken, Gerd; Neugebauer, Dieter; and Rossmanek, Peter, 4,809,833, Cl. 192-58.00B.
  - Caspar, Manfred, 4,848,551, Cl. 192-106.200.
  - Drexl, Hans-Jurgen; Schierling, Bernhard; Hartig, Franz; and Caspar, Manfred, 4,813,295, Cl. 74-572.000.
  - Dumbser, Gerhard, 4,832,332, Cl. 272-72.000.
  - Geiling, Wolfgang; and Wossner, Felix, 4,821,850, Cl. 188-315.000.
  - Gerstner, Richard; Look, Gunter; Seybold, Werner; and Steuer, Werner, 4,800,634, Cl. 29-159.300.
  - Keller, Josef; and Steuer, Werner, 4,798,098, Cl. 74-470.000.
  - Kittel, Friedrich; and Kolb, Dieter, 4,811,826, Cl. 192-70.130.
  - Link, Achim; and Weidinger, Reinhold, 4,871,050, Cl. 192-70.290.
  - Lutz, Manfred, 4,885,922, Cl. 70-264.000.
  - Riese, Hans-Walter; Ziegler, Erwin; Sturmer, Winfried; and Ruppel, Reinhold, 4,848,555, Cl. 192-70.250.
  - Schierling, Bernhard; Caspar, Manfred; Raab, Harald; Hartig, Franz; Pieper, Norbert; and Grosspietsch, Wolfgang, 4,809,830, Cl. 192-3.290.
  - Weissenberger, Helmuth; and Schraut, Alfred, 4,810,231, Cl. 464-68.000.
  - Weissenberger, Helmuth; and Huditz, Peter, 4,854,438, Cl. 192-107.00R.
  - Ziegler, Erwin; Huditz, Peter; Fricke, Werner; and Weissenberger, Helmuth, 4,809,835, Cl. 192-89.00B.
- Fichtenbeiner, Heiner: *See—*
  - Brunner, Rudolf; and Fichtenbeiner, Heiner, 4,879,945, Cl. 91-518.000.
- Fichter, June C.; LaBelle, Theodore J.; and McAuley, Kenneth A., to Polaroid Corporation. Sheet clamp counterbalancing system for high speed sheet handling drums. 4,824,096, 4-25-89, Cl. 271-277.000.
- Fick, Herbert J., to Bergquist Company, The. Interfacing for heat sinks. 4,842,911, 6-27-89, Cl. 428-40.000.
- Fick, Herbert J.: *See—*
  - DeGree, David C.; Fick, Herbert J.; and Juenger, Bruce H., 4,810,563, Cl. 428-209.000.
- Fick, Peter; and Knecht, Klaus, to Siemens Aktiengesellschaft. Method for repairing a nuclear reactor fuel assembly and a replacement rod for performing the method. 4,814,138, 3-21-89, Cl. 376-463.000.
- Ficken, Geoffrey E., to Ciba-Geigy AG. Optical sensitizing dyes. 4,804,599, 2-14-89, Cl. 430-2.000.
- Ficken, Leonard A., to Unidynamics Corporation. Iris mechanism. 4,804,108, 2-14-89, Cl. 221-223.000.
- Ficken, Leonard A., to Unidynamics Corporation. Container storage and dispensing apparatus and vending machine for dispensing refrigerated, unrefrigerated and/or heated foods. 4,823,984, 4-25-89, Cl. 221-96.000.
- Fickenscher, John; Jurdi, Wissam; and Shibata, Tomoo, to Ricoh Electronics, Inc. Non-laminate thermosensitive, pressure sensitive label and method of manufacture. 4,851,383, 7-25-89, Cl. 503-200.000.
- Ficker, Harold K.; and Sheard, William G., to Union Carbide Chemicals and Plastics Company Inc. Process for the production of impact polypropylene copolymers. 4,882,380, 11-21-89, Cl. 525-53.000.
- Ficker, Paul J.: *See—*
  - Deaton, Thomas P.; and Ficker, Paul J., 4,832,200, Cl. 206-508.000.
- Fickert, Karl-Ernst: *See—*
  - Schilling, Bernd; and Fickert, Karl-Ernst, 4,879,336, Cl. 524-503.000.
- Fickle, David M.: *See—*
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- Fickweiler, Werner: *See—*
  - Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,808,089, Cl. 417-417.000.
  - Franetzki, Manfred; Geisselbrecht, Georg; Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,883,467, Cl. 604-152.000.
- Fiddyment, Philip J.; Westbrook, Leslie D.; and Nelson, Andrew W., to British Telecommunications Public Limited Company. Ridge waveguide optical devices. 4,805,184, 2-14-89, Cl. 372-96.000.
- Fidi, Werner, to AKG Akustische u. Kino-Gerate Gesellschaft m.b.H. Directional microphone. 4,817,168, 3-28-89, Cl. 381-155.000.
- Fidi, Werner; and Renner, Heinz, to AKG Akustische u. Kino-Gerate Gesellschaft m.b.H. Pressure gradient pickup. 4,858,719, 8-22-89, Cl. 181-158.000.
- Fidia-Georgetown Institute for the Neurosciences: *See—*
  - Karoum, Farouk; and Costa, Erminio, 4,863,962, Cl. 514-561.000.
- Fidia, S.p.A.: *See—*
  - della Valle, Francesco; and Romeo, Aurelio, 4,849,413, Cl. 514-54.000.
  - della Valle, Francesco; and Romeo, Aurelio, 4,851,521, Cl. 536-55.100.
- Fidler, Allan H.: *See—*
  - Memmott, James V. W.; Fidler, Allan H.; and Singer, Steven D., 4,862,780, Cl. 83-128.000.
- Fidler, Jerry D.; Krone, John J.; and Roussin, Michael A., to Caterpillar Inc. Control system for a multiple shank impact ripper. 4,834,461, 5-30-89, Cl. 299-37.000.
- Fidler, Jerry D.: *See—*
  - Diekevers, Mark S.; and Fidler, Jerry D., 4,823,486, Cl. 37-142.00R.
- Fidon, Jean J.: *See—*
  - Fougeron, Charles; Fidon, Jean J.; and Janiaut, Herve, 4,849,184, Cl. 422-159.000.
- Fidric, Bernard G., to Litton Systems, Inc. Ring laser gyro frame design resistant to thermal gradient effects. 4,867,567, 9-19-89, Cl. 356-350.000.
- Fidrych, Stephen: *See—*
  - Welch, Glenn S.; Fidrych, Stephen; Romm, Michael; and Maurer, Bernie J., 4,875,880, Cl. 439-536.000.
- Fidrych, Stephen A.: *See—*
  - Collins, Robert T.; Quinn, John D.; and Fidrych, Stephen A., 4,879,635, Cl. 361-391.000
- Fiebrich, Wolfgang: *See—*
  - Tolle, Karl-Heinz; Heinemann, Heinz-Walter; Brockhaus, Jurgen; and Fiebrich, Wolfgang, 4,879,785, Cl. 16-82.000.
- Fiedelius, Gerhard, to Siemens Aktiengesellschaft. Apparatus for contacting wires with resistance welding. 4,870,240, 9-26-89, Cl. 219-56.100.
- Fiedler, Heidi: *See—*
  - Loewenstein, Albert; and Fiedler, Heidi, 4,871,592, Cl. 427-389.900.
- Fiedler, Kurt; and Kratz, Bernhard, to Diehl GmbH & Co. Multiple-contact plug connection for electrically actuatable triggering media. 4,802,414, 2-7-89, Cl. 102-206.000.
- Fiedler, Kurt: *See—*
  - Drabing, Walter; and Fiedler, Kurt, 4,884,779, Cl. 248-610.000.
- Fiedler, Paul; Braden, Rudolf; and Buding, Hartmuth, to Bayer Aktiengesellschaft. Process for selective hydrogenation of C—C double bonds in the presence of reducible, nitrogen-containing groups and new ruthenium complex compounds. 4,812,587, 3-14-89, Cl. 556-136.000.
- Fiedler, Paul: *See—*
  - Himmler, Thomas; Fiedler, Paul; Braden, Rudolf; and Buding, Hartmuth, 4,795,788, Cl. 525-338.000.
- Fiedler, Robert R.; and Lederer, Louis F., to Isco, Inc. Gas-operated positive displacement pump. 4,810,172, 3-7-89, Cl. 417-394.000.
- Fiedler, Volker-Bernd: *See—*
  - Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,806,551, Cl. 514-415.000.
  - Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, 4,827,032, Cl. 564-90.000.
  - Niewohner, Ulrich; Hoever, Franz-Peter; Junge, Bodo; Perzborn, Elisabeth; Seuter, Friedel; and Fiedler, Volker-Bernd, 4,868,331, Cl. 562-427.000.
  - Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,868,332, Cl. 562-427.000.
  - Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Oediger, Hermann; Rosentreter, Ulrich; Boshagen, Horst; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,882,353, Cl. 514-456.000.
  - Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,886,898, Cl. 560-42.000.
  - Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,843,091, Cl. 514-419.000.
  - Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Niewohner, Ulrich; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, 4,853,406, Cl. 514-411.000.
- Fiege, Helmut; Jautelat, Manfred; and Arlt, Dieter, to Bayer Aktiengesellschaft. Process for the preparation of oxetane-3-carboxylic acids. 4,824,975, 4-25-89, Cl. 549-511.000.
- Fiege, Helmut; Jautelat, Manfred; and Arlt, Dieter, to Bayer Aktiengesellschaft. Process for the preparation of 2,2-bis-chloro-methylalkanecarboxylic acid chlorides. 4,871,484, 10-3-89, Cl. 260-408.000.

- Fiege, Helmut: *See—*
  - Kasbauer, Josef; Fiege, Helmut; Schmidt, Herbert; and Wedemeyer, Karlfried, 4,827,057, Cl. 570-204.000.
  - Kissener, Wolfram; Franke, Joachim; Fiege, Helmut; and Wedemeyer, Karlfried, 4,820,871, Cl. 564-55.000.
  - Mais, Franz-Josef; and Fiege, Helmut, 4,827,058, Cl. 570-211.000.
  - Mais, Franz-Josef; Fiege, Helmut; Rohlk, Kai; and Wedemeyer, Karlfried, 4,851,596, Cl. 570-209.000.
- Field, Alan H.: *See—*
  - Zanoni, Carl A.; and Field, Alan H., 4,883,357, Cl. 356-349.000.
- Field, Anthony J., to U.S. Philips Corporation. Method of and apparatus for processing video signals. 4,858,010, 8-15-89, Cl. 358-160.000.
- Field, Arthur K.: *See—*
  - Ashton, Wallace T.; Field, Arthur K.; Karkas, John D.; and Tolman, Richard L., 4,816,447, Cl. 514-81.000.
  - Ashton, Wallace T.; Canning, Laura F.; Field, Arthur K.; and Tolman, Richard L., 4,880,820, Cl. 514-322.000.
- Field, Bruce F.; and Kasper, Joseph G., to Tennant Company. Automated guided vehicle. 4,846,297, 7-11-89, Cl. 180-169.000.
- Field, Bruce F., to Tennant Company. Protection from extraneous light for light guided vehicle. 4,876,444, 10-24-89, Cl. 250-214.0AL.
- Field, Bruce F.: *See—*
  - Basham, Michael T.; Berdahl, Robert M.; and Field, Bruce F., 4,825,500, Cl. 15-319.000.
- Field, Carl R.; and Saichaie, Pichai. Pivoting hoist. 4,794,782, 1-3-89, Cl. 72-457.000.
- Field, David G.: *See—*
  - Emery, David C.; Field, David G.; and Leck, Derek C., 4,854,234, Cl. 101-364.000.
- Field, David J.: *See—*
  - Bryant, Anthony J.; Field, David J.; and Butler, Ernest P., 4,861,389, Cl. 148-3.000.
- Field, Edgar L., Jr.: *See—*
  - Smith, Kenneth L.; and Field, Edgar L., Jr., 4,866,884, Cl. 51-284.00R.
- Field, Frank P. Lockable bracket for attachment to wire grid. 4,852,838, 8-1-89, Cl. 248-222.100.
- Field, John H., II: *See—*
  - Day, Eric; and Field, John H., II, 4,831,983, Cl. 123-357.000.
- Field, John R.; and Smith, Nicholas D., to Allied Colloids Ltd. Products and processes for the flocculation of aqueous suspensions. 4,820,424, 4-11-89, Cl. 210-716.000.
- Field, John R.; Farrar, David; and Flesher, Peter, to Allied Colloids, Ltd. Testing polyelectrolytes. 4,820,645, 4-11-89, Cl. 436-55.000.
- Field, Lamar; Musallam, Hikmat A.; Macke, Jeffrey D.; and Srivastava, Pramod K., to Vanderbilt University. Unsymmetrical organic disulfide compounds useful as antiradiation agents. 4,883,890, 11-28-89, Cl. 558-61.000.
- Field, Martha M.: *See—*
  - Smith, William B.; Field, Martha M.; Pierce, Lawrence, Jr.; and Dalbey, Jeffrey C., 4,840,635, Cl. 623-36.000.
- Field, Martin J., to General Motors Corporation. Fuel connection. 4,844,515, 7-4-89, Cl. 285-305.000.
- Field, Michael D.: *See—*
  - Gillis, Michael H.; and Field, Michael D., 4,850,014, Cl. 379-399.000.
- Field, Michael J.: *See—*
  - Amhed, Hassan J.; and Field, Michael J., 4,865,800, Cl. 376-248.000.
- Field, Nathan D.; and Duska, Joseph J., to Amoco Corporation. Extrusion-grade compositions comprising mixtures of wholly aromatic polyesters. 4,851,480, 7-25-89, Cl. 525-444.000.
- Field, Nathaniel: *See—*
  - Donovan, David A.; and Field, Nathaniel, 4,847,961, Cl. 29-56.500.
- Field, Nathaniel L., to Ford Motor Company. Method and apparatus for machining valve seats and valve stem guides in a deep-walled engine monoblock workpiece. 4,836,719, 6-6-89, Cl. 408-1.00R.
- Field, Nathaniel L.; and Pulick, Michael A., to Ford Motor Company. Method of making and apparatus for monoblock engine construction. 4,858,670, 8-22-89, Cl. 164-11.000.
- Field, Nathaniel L., to Ford Motor Company. Method and apparatus for machining valve seats and valve stem guides in a deep-walled engine monoblock workpiece. 4,872,789, 10-10-89, Cl. 408-79.000.
- Field, Nathaniel L.: *See—*
  - Anderson, Anthony T.; and Field, Nathaniel L., 4,829,647, Cl. 29-156.40R.
  - Anderson, Anthony T.; and Field, Nathaniel L., 4,872,429, Cl. 123-90.440.
  - Donovan, David A.; and Field, Nathaniel L., 4,842,450, Cl. 408-1.00R.
- Field, Robert E.: *See—*
  - Auxier, Thomas A.; Rannie, James B.; and Field, Robert E., 4,887,663, Cl. 165-47.000.
- Field, Ronald L.; and Emptage, Richard S., to U.S. Philips Corporation. Channel plate electron multipliers. 4,886,996, 12-12-89, Cl. 313-400.000.
- Field, Stanley R., to Brunswick Corporation. Volumetric, self-resetting, hydraulic fuse. 4,819,688, 4-11-89, Cl. 137-493.600.
- Fieldcrest Cannon, Inc.: *See—*
  - Czelusniak, Paul A., Jr.; and Crouch, Milton R., 4,825,630, Cl. 57-22.000.
  - Czelusniak, Paul A., Jr.; and Crouch, Milton R., 4,833,872, Cl. 57-22.000.
- Fielden, Swan R., Jr. Apparatus for producing panel roofing. 4,864,837, 9-12-89, Cl. 72-176.000.
- Fielder, Kenneth B.; Belli, Robert L.; and Fuchs, Conrad E., to Tosoh SMD, Inc. Quick change sputter target assembly. 4,820,397, 4-11-89, Cl. 204-298.000.
- Fielder, William A.; and Coscia, Charles M., to D. L. Auld Company, The. Decorative article and process for making. 4,801,479, 1-31-89, Cl. 428-31.000.
- Fielding, Alan: *See—*
  - Byron, Kevin C.; Bricheno, Terry; Fielding, Alan; Pitt, Nicholas J.; and Baker, Robert A., 4,863,231, Cl. 350-96.160.
- Fielding, Donna J.: *See—*
  - Pawloski, Chester E.; Wampfler, David J.; and Fielding, Donna J., 4,851,559, Cl. 558-91.000.
- Fielding, Mimi S., to Curtice-Burns, Inc. Potato product with asymmetric corrugations. 4,855,151, 8-8-89, Cl. 426-144.000.
- Fielding, Robert M.: *See—*
  - Billiet, Colin T.; Fielding, Robert M.; and Smith, Stephen N., 4,838,905, Cl. 55-486.000.
- Fielding, Robert M. G. Roll dispenser unit. 4,871,122, 10-3-89, Cl. 242-55.200.
- Fields, Donald L., Jr.; Lee, Len F.; and Richard, Thomas J., to Monsanto Company. Process for making glyphosate from n-phosphonomethyl-2-oxazolidone. 4,810,426, 3-7-89, Cl. 260-502.50F.
- Fields, Donald L., Jr.; and Grabiak, Raymond C., to Monsanto Company. Amine salts of 1,4,2-oxazaphospholidine-4-acetic acid, 2-alkoxy-2-oxides. 4,889,906, 12-26-89, Cl. 558-81.000.
- Fields, Gary C.; and Stamos, Mark E., to Conway Engineering, Inc. Telephone toll integrity checking system. 4,839,916, 6-13-89, Cl. 379-13.000.
- Fields, Harold T.: *See—*
  - Crawford, Delmar E.; and Fields, Harold T., 4,842,895, Cl. 427-116.000.
- Fields, John G.: *See—*
  - Saunders, Anne L.; and Fields, John G., 4,839,984, Cl. 43-112.000.
- Fields, Jr.; Donald L.; Grabiak, Raymond C.; Baysdon, Sherrol L.; and Rogers, Peter E., to Monsanto Company. Process for the preparation of N- phosphonomethylglycine. 4,851,159, 7-25-89, Cl. 562-17.000.
- Fields, Larry R.; Martin, Michael L.; and Morris, Merle E., to GTE Products Corporation. Lamp filament support construction. 4,868,451, 9-19-89, Cl. 313-279.000.
- Fields, Lary L., to Barber-Colman Company. Electronic integrator using an operational amplifier and with alleviation of wind-up. 4,858,169, 8-15-89, Cl. 364-829.000.
- Fields, Robert A., to Multiple Marketing Systems, Inc. Adjustable paper handler apparatus. 4,871,273, 10-3-89, Cl. 400-613.200.
- Fields, Robert D.: *See—*
  - Hampl, Vladimir, Jr.; Fields, Robert D.; and Bullwinkel, Edward P., 4,805,644, Cl. 131-365.000.
- Fields, Roger A.: *See—*
  - Cloutier, Robert P.; and Fields, Roger A., 4,811,042, Cl. 354-410.000.
- Fields, Thomas H., Jr. Body stretching and exercising device. 4,826,158, 5-2-89, Cl. 272-144.000.
- Fields, Tom R. Headband for holding a flashlight. 4,797,793, 1-10-89, Cl. 362-105.000.
- Fields, Tom R. Headband for holding flashlights directed at a viewing area. 4,887,194, 12-12-89, Cl. 362-105.000.
- Fields, Walter D.; and Larkins, Gary K., to Tektronix, Inc. Strip line circuit component and method of manufacture. 4,821,007, 4-11-89, Cl. 333-238.000.
- Fields, William C.: *See—*
  - Clark, Steven J.; and Fields, William C., 4,870,789, Cl. 52-126.600.
- Fields, William G.: *See—*
  - Fairchild, Paul W.; Claney, Jim L.; Fields, William G.; Bishop, Louis, Jr.; and Fly, Mark W., 4,876,949, Cl. 98-40.100.
- Fien, Alan R.: *See—*
  - Roberts, Bryan W.; Fien, Alan R.; and Blackler, John, 4,874,291, Cl. 416-122.000.
- Fierens, Marcel R.: *See—*
  - De Prijcker, Jozef P.; Domen, Albrecht F.; Fierens, Marcel R.; and Van Hal, Henri J., 4,814,809, Cl. 354-319.000.
- Fierkens, Richardus H. J.; and Pas, Ireneus J. T. M., to ASM Fico Tooling, b.v. Automatic continuously cycleable molding system. 4,877,387, 10-31-89, Cl. 425-116.000.
- Fierro, Joseph, to Heinemann Electric Company. Circuit breaker printed circuit board connector device. 4,886,462, 12-12-89, Cl. 439-79.000.
- Fiers, Walter C.; and Remaut, Rene Erik, to Biogen, Inc. Vectors and methods for making such vectors and for expressive cloned genes. 4,874,702, 10-17-89, Cl. 435-172.000.
- Fies, William J.; and Story, Michael S., to Finnigan Corporation. Quadrupole mass filter with unbalanced R.F. voltage. 4,816,675, 3-28-89, Cl. 250-282.000.
- Fieschi, Giorgio; and Angiolicchio, Raffaele, to Rockwell-Rimoldi S.p.A. Cylindrical bed sewing machine. 4,827,857, 5-9-89, Cl. 112-121.260.
- Fieschi, Giorgio, to Rockwell-Rimoldi S.p.A. Device to feed ribbon-like trimmings under the pressure foot of a sewing machine. 4,829,919, 5-16-89, Cl. 112-152.000
- Fieseler, Heinrich: *See—*
  - Diehl, Werner K.; Fieseler, Heinrich; and Sassmann, Gerhard, 4,802,598, Cl. 215-348.000.
- Fietta, Emilio; Maggi, Ezio; and Marchesi, Franco, to Rimoldi S.r.l. Modular sewing machine arranged to control auxiliary devices. 4,867,083, 9-19-89, Cl. 112-168.000.
- Fietzke, Guenter: *See—*
  - Mueller, Richard; and Fietzke, Guenter, 4,820,092, Cl. 409-133.000.

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Fife Meier, Inc.: *See—*
Higby, Edwin A.; Meier, G. Weston; and Fife, Breck D., 4,870,705, Cl. 2-2.000.
Fife, Wilmer K.; and Zhang, ZZhi-Dong, to Indiana University Foundation. Polymer catalyzed synthesis of acid anhydrides. 4,874,558, 10-17-89, Cl. 562-894.000.
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Fifolt, Michael J.: *See—*
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Figaro Engineering Inc.: *See—*
Naoyuki, Oie; Hiromichi, Koyama; Katsuyuki, Tanaka; and Shinichi, Matsumoto, 4,827,1554, Cl. 307-116.000.
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Figdor, Carl G.; and Bont, Willly S. Method and device for the separation and isolation of blood oir bone marrow components. 4,850,952, 7-25-89, Cl. 494-37.000.
Figg and Muller Engineers, Inc.: *See—*
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Figgi, International, Inc.: *See—*
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Figgie International, Inc.: *See—*
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Eaton, Daniel T.; and Benningfield, George W., 4,854,445, Cl. 198-781.000.
Fraser, Steven A.; Johnstom, David E.; and Metzger, Reece D., 4,855,583, Cl. 235-492.000.
Gardner, James D.; Mitchell, Hal D.; Stickley, Paul F.; Taylor, Alvin E.; and Wilson, Edward J., 4,850,056, Cl. 2-227.000.
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Keene, Howard B., 4,847,915, Cl. 2-19.000.
Kralik, Douglas R., 4,869,504, Cl. 273-65.00A.
Mitchell, Hal D.; and Lueckenhoff, Roger J., 4,844,460, Cl. 273-72.00R.
Mitchell, Hal D., 4,868,925, Cl. 2-2.000.
Nicholson, Robert J.; and Jape, Anthony D., 4,856,642, Cl. 198-365.000.
Puccinelli, Joseph S.; and Foseid, Peter T., 4,815,563, Cl. 192-150.000.
Rockerath, John L.; and Blust, Dale K., 4,877,655, Cl. 427-430.100.
Schillaci, Samuel P., 4,832,926, Cl. 423-241.000.
Vicenzi, Reno L., 4,794,943, Cl. 137-625.440.
Figh, Jack N., to Intermark Corp. Method and apparatus for testing batteries. 4,827,220, 5-2-89, Cl. 324-426.000.
Figone, Frank M., to Raychem Corporation. Multicontact connector. 4,820,203, 4-11-89, Cl. 439-620.000.
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Figone, Moira J.; and Figone, Frank M. Sound muffler for covering the mouth. 4,834,212, 5-30-89, Cl. 181-242.000.
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Fajula, Francois; Figueras, Francois; Gueguen, Claude; and Dutartre, Roger, 4,847,224, Cl. 502-67.000.
Figueras, Juan M., to Merck Patent Gesellschaft mit Beschrankter Haftung. Process for preparing vat pigment dyes. 4,806,128, 2-21-89, Cl. 8-650.000.
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Figueroa, Luis; Morrison, Charles B.; Zinkiewicz, Lawrence M.; and Niesen, Joseph W., to TRW Inc. Angled stripe superluminescent diode. 4,856,014, 8-8-89, Cl. 372-46.000.
Figuly, Garret D.: *See—*
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Fijitsu Ten Limited: *See—*
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Baur, Richard; Richter, Felix; Birnbach, Stefan; Fikentscher, Rolf; Oftring, Alfred; Winkler, Ekhard; and Bochnitschek, Werner, 4,827,014, Cl. 558-441.000.
Ebel, Klaus; Reuther, Wolfgang; Fikentscher, Rolf; Lach, Dietrich; Streicher, Rolf; and Schaffer, Ortwin, 4,888,412, Cl. 528-230.000.
Fikkert, Tom Franklin: *See—*
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Fikse, James A.: *See—*
Baker, Glen; Chau, Albert W.; Fikse, James A.; and Mercer, John E., 4,856,600, Cl. 175-26.000.
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Filardo, Giuseppe: *See—*
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Filatov, Vladimir N.: *See—*
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Filbert, Jacques, to Leviton Manufacturing Company, Inc. Strain relief device. 4,857,674, 8-15-89, Cl. 174-135.000.
Filbert, Norman V. Method of making a mortar binder and product. 4,875,938, 10-24-89, Cl. 106-120.000.
Filby, Paul K.: *See—*
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Fildan, Gerhard. Buckle for bands, belts and the like. 4,843,689, 7-4-89, Cl. 24-200.000.
Fildan, Gerhard. Door-bolt assembly. 4,848,813, 7-18-89, Cl. 292-167.000.
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Files, James H.; Harrel, Donald M.; Montague, John M.; Stansbury Sr., Thomas L.; and Sikes, Carlton T., to Evaporation, Inc. Self-contained oil well salt water concentration system. 4,836,891, 6-6-89, Cl. 159-28.100.
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de Castro Morshbacker, Antonio L. R.; Filho, Dante F. F.; Filho, Joaquim M. F.; da Fonseca, Marcus C.; and de Mello, Ricardo T., 4,849,190, Cl. 423-124.000.
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Filhol, Stuart J.; and Hood, Oliver St. Clair. Packaging system. 4,815,625, 3-28-89, Cl. 220-23.400.
Filice, Gary W.; and Hoyt, Earl H., Jr., to Hoyt/Easton Archery Co. Inc. Archery bow limb constructed of syntactic foam. 4,819,608, 4-11-89, Cl. 124-23.00R.
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Filip, Stanislaw. Roof insulating and waterproofing methods and structures. 4,873,807, 10-17-89, Cl. 52-408.000.
Filipczak, Gordon J.: *See—*
Sledge, Larry C.; and Filipczak, Gordon J., 4,852,770, Cl. 222-153.000.
Filipowski, Merle M. Combination refrigerator oven. 4,884,626, 12-5-89, Cl. 165-12.000.
Filippi, Ernest A.; and Miller, Kenneth L. Vapor monitoring system. 4,875,031, 10-17-89, Cl. 340-605.000.
Filippi, Renato; and Ricco, Mario, to Weber S.r.l. Injection pump for fuel injection systems with control led injectors for i.c. engines. 4,870,940, 10-3-89, Cl. 123-506.000.
Filippov, Boris L.: *See—*
Bozhko, Valery P.; Losev, Alexei V.; Takoriants, Mateos P.; Pleshkov, Viktor I.; Strizhenko, Vitaly E.; Levityansky, Ivan A.; Filippov, Boris L.; and Kononenko, Tamara I., 4,802,654, Cl. 266-51.000.
Filisko, Frank E.; and Armstrong, William F., to Board of Regents Acting for and on Behalf of the University of Michigan. Electric field dependent fluids. 4,879,056, 11-7-89, Cl. 252-74.000.
Fillar, John A.; Casper, Thomas J.; and Wiegand, James H., to Envirex Inc. Non-metallic chain including wound composite chain links and molded pins. 4,863,418, 9-5-89, Cl. 474-207.000.

Fillatti, Joanne; and Comai, Luca. Transformation and foreign gene expression with woody species. 4,795,855, 1-3-89, Cl. 800-1.000.
Filley, Charles C. Universal module assembly for space structures. 4,872,625, 10-10-89, Cl. 244-159.000.
Filliman, Paul D., to RCA Licensing Corporation. Controlled oscillator. 4,797,634, 1-10-89, Cl. 331-12.000.
Filliman, Paul D., to RCA Licensing Corporation. Oscillator frequency control arrangement for a stereo decoder. 4,817,150, 3-28-89, Cl. 381-7.000.
Fillipo, Bruce K., to Betz Laboratories, Inc. Stable slurries comprising powdered activated carbon. 4,818,293, 4-4-89, Cl. 106-476.000.
Fillippone, Walter R.: *See—*
Erich, Otis G., Jr.; and Fillippone, Walter R., 4,813,029, Cl. 367-188.000.
Fillit, Howard; Damle, Shridhar P.; Zabriskie, John; and Gregory, John D., to Rockefeller University. Method for determination and diagnosis of non-goodposture glomerulonephritis. 4,849,339, 7-18-89, Cl. 435-7.000.
Fillmore-Piru Citrus Association: *See—*
Creason, Kenneth C.; Salka, John A.; and Holland, Ralph R., 4,842,880, Cl. 425-303.000.
Fillmore, William E., to Owens-Illinois Closure Inc. Dispenser package for viscous fluids. 4,830,228, 5-16-89, Cl. 222-209.000.
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Cadotte, John E.; and Schmidt, Donald L., 4,812,238, Cl. 210-636.000.
Cadotte, John E.; and Walker, David R., 4,812,270, Cl. 264-48.000.
Cadotte, John E., 4,834,886, Cl. 210-490.000.
Cadotte, John E.; and Schmidt, Donald L., 4,888,116, Cl. 210-636.000.
Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., 4,859,384, Cl. 264-45.100.
Filo, Andrew, to Optum Corporation. Method to increase scanning resolution using a synthetic aperture. 4,872,063, 10-3-89, Cl. 358-474.000.
Filomeno, James V. Paint spraying tire protection cover. 4,844,005, 7-4-89, Cl. 118-504.000.
Filonov, Oleg V.: *See—*
Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
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Filotex: *See—*
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Fils, Isaac: *See—*
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Filsinger, Daniel H.: *See—*
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Filsinger, Karl-Heinz: *See—*
Jeschke, Willi; and Filsinger, Karl-Heinz, 4,843,966, Cl. 101-363.000.
Filter Queen Ltd.: *See—*
Depew, Llewellyn E., 4,834,586, Cl. 406-18.000.
Filter, Reinhard; and Maurice, Claude G. Potential indicating device. 4,814,933, 3-21-89, Cl. 361-86.000.
Filter Systems, Inc.: *See—*
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Turman, William C., 4,826,590, Cl. 210-98.000.
Filter Tech Inc.: *See—*
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Filterpure Corporation: *See—*
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Filtertek, Inc.: *See—*
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Leason, Hayden, 4,828,694, Cl. 210-168.000.
Filterwerk Mann & Hummel GmbH: *See—*
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Zundel, Fritz, 4,842,623, Cl. 55-262.000.
Filthaut, Johannes: *See—*
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Filtrete B.V.: *See—*
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Filtri, Luigi; and Prato, Luigi, to Fiat Auto S.p.A. Modular body element for motor cars. 4,865,378, 9-12-89, Cl. 296-197.000.
Filtron Technology Corporation: *See—*
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Filtz, Duane A.: *See—*
Maki, Michael D.; Miller, Darrell J.; Filtz, Duane A.; and Hauck, Robert B., 4,545,734, Cl. 378-181.000.
Filz, Friedrich, to Miba Sintermetall Aktiengesellschaft. Process of making a sintered molding. 4,839,138, 6-13-89, Cl. 419-6.000.
Fimeri, Garry G., to Britax Rainsfords Pty. Ltd. Pivotable screw jack drive. 4,881,418, 11-21-89, Cl. 74-89.140.
Fimeri, Garry G. L., to Britax Rainsfords Pty. Ltd. Rear vision mirror adjusting means. 4,830,327, 5-16-89, Cl. 248-481.000.
Fimeri, Garry G. L., to Britax Rainsfords, Pty. Ltd. Breakaway mirror spring means. 4,836,491, 6-6-89, Cl. 248-549.000.
Fimeri, Garry G. L., to Britax Rainsfords Pty. Ltd. Mirror orientation control means. 4,856,885, 8-15-89, Cl. 350-633.000.
Fimeri, Garry G. L., to Britax Rainsfords Pty. Ltd. Breakaway mirrors. 4,867,409, 9-19-89, Cl. 248-549.000.
Fimpel, Walter: *See—*
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Fin Sports Limited: *See—*
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Todd, Barry A. H., 4,889,337, Cl. 273-73.00D.
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Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel Carl; and Thomas, Jeffrey A., 4,872,111, Cl. 364-200.000.
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Finas, Roland: *See—*
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Finch, Gary J., to Sentry Medical Products, Inc. Medical electrode assembly. 4,848,351, 7-18-89, Cl. 128-640.000.
Finch, Harry; Lunts, Lawrence H. C.; Naylor, Alan; Skidmore, Ian F.; and Campbell, Ian B., to Glaxo Group Limited. Ethanolamine compounds. 4,853,381, 8-1-89, Cl. 514-211.000.
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Collington, Eric W.; Finch, Harry; Judd, Duncan B.; Johnson, Malcolm; and Strong, Peter, 4,847,255, Cl. 514-212.000.
Collington, Eric W.; Finch, Harry; Judd, Duncan B.; and Meadows, James D., 4,847,369, Cl. 536-46.000.
Collington, Eric W.; Finch, Harry; Judd, Duncan B.; and Meadows, James D., 4,847,370, Cl. 536-103.000.
Collington, Eric W.; and Finch, Harry, 4,851,523, Cl. 536-103.000.
Collington, Eric W.; Finch, Harry; and Judd, Duncan B., 4,855,293, Cl. 514-212.000.
Skidmore, Ian F.; Finch, Harry; Naylor, Alan; Lunts, Lawrence H. C.; and Campbell, Ian B., 4,853,382, Cl. 514-212.000.
Wallis, Christopher J.; Finch, Harry; and Hallett, Peter, 4,880,800, Cl. 514-211.000.
Finch, Harry E.; and Szayer, Geza J. Security door system. 4,807,687, 2-28-89, Cl. 160-133.000.
Finch, Jack A., to ACCRA Manufacturing Co. Windage locking apparatus for an archery bow sight. 4,875,290, 10-24-89, Cl. 33-265.000.
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Finch, Mark A. W.; and Harris, John R., to Lilly Industries Limited. Pharmaceutical compounds. 4,801,735, 1-31-89, Cl. 560-75.000.
Finch, Maurice, to Henley Burrowes & Company Limited. Storage bunker. 4,838,750, 6-13-89, Cl. 414-300.000.
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Finch, William W.: *See—*
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Fincher, Curtis R., Jr.: *See—*
Blanchet-Fincher, Graciela B.; Fincher, Curtis R., Jr.; Cheung, Lawrence K.; Dessauer, Rolf; and Looney, Catharine E., 4,818,660, Cl. 430-281.000.
Blanchet-Fincher, Graciela B.; and Fincher, Curtis R., Jr., 4,849,314, Cl. 430-49.000.
Fincher, Harold L., Sr. Fishing rig retainer. 4,856,224, 8-15-89, Cl. 43-43.120.
Fincher, Jeffrey L., to Ampex Corporation. Apparatus for providing a profiled tape tension without utilizing a tape pack diameter sensor. 4,807,107, 2-21-89, Cl. 364-148.000.
Fincher, Jeffrey L., to Ampex Corporation. Low power stepper motor drive system and method. 4,851,755, 7-25-89, Cl. 318-696.000.

- Fincher, Jeffrey L.; and Stephens, Michael R., to Ampex Corporation. Apparatus for playback of magnetically recorded data having a variable input rate. 4,872,073, 10-3-89, Cl. 360-51.000.
- Finchimica S.p.A.: *See—*
  - Graziello, Donadello, 4,874,895, Cl. 564-437.000.
- Finck, Lothar: *See—*
  - Brohl, Franz-Josef; and Finck, Lothar, 4,823,765, Cl. 425-4.00R.
- Findag Corporation N.V.: *See—*
  - Renkl, Hans-Dieter; and Waibel, Rudi, 4,853,022, Cl. 65-170.000.
- Findeisen, Kurt: *See—*
  - Fest, Christa; Findeisen, Kurt; Brandes, Wilhelm; Dutzmann, Stefan; Hanssler, Gerd; and Reinecke, Paul, 4,886,832, Cl. 514-477.000.
- Findl, Eugene, to Bioresearch, Inc. Bioelectrochemical modulation of biological functions using resonant/non-resonant fields synergistically. 4,850,959, 7-25-89, Cl. 600-14.000.
- Findlay, Medeana: *See—*
  - Clare, Kenneth; McMullen, James H.; Findlay, Medeana; and Gaisford, Susan E., 4,853,244, Cl. 426-573.000.
- Findlay, Nathanial B.: *See—*
  - Jonas, Werner; and Findlay, Nathanial B., 4,880,224, Cl. 272-72.000.
- Findley Adhesives Inc.: *See—*
  - Neperud, Michael A., 4,855,335, Cl. 523-111.000.
- Findley, John E., to Pacific Kenyon Corp. Preservative coating for hard solid animal feed supplement. 4,803,085, 2-7-89, Cl. 426-69.000.
- Findley, Marshall E.: *See—*
  - Liapis, Athanasios I.; Findley, Marshall E.; and Nguyen, Hoa T., 4,874,524, Cl. 210-672.000.
- Finduck S.r.l.: *See—*
  - Mannato, Pietro, 4,843,681, Cl. 16-380.000.
  - Mannato, Pietro, 4,876,863, Cl. 70-64.000.
- Fine, David H., to Thermedics, Inc. Detection system and method. 4,843,016, 6-27-89, Cl. 436-106.000.
- Fine, Gerald J., to Corning Incorporated. Fluoroborosilicate glass. 4,868,141, 9-19-89, Cl. 501-59.000.
- Fine, Jeffrey B.: *See—*
  - Marschner, Steven S.; and Fine, Jeffrey B., 4,804,555, Cl. 426-601.000.
- Fine, Jonathan E.: *See—*
  - Campagnuolo, Carl J.; and Fine, Jonathan E., 4,852,496, Cl. 102-322.000.
- Fine Metals Export Corporation Limited: *See—*
  - Davis, Edward E., 4,857,107, Cl. 75-97.00A.
- Fine, Michael J.: *See—*
  - Ideker, Raymond E.; Fine, Michael J.; Baker, Ross G., Jr.; and Calfee, Richard V., 4,827,932, Cl. 128-419.00D.
- Fine Particle Technology, Inc.: *See—*
  - Wiech, Raymond E., Jr., 4,854,970, Cl. 106-286.100.
- Finegold, Leonard S., to United Technologies Corporation. Multiple-precision Booth's recode multiplier. 4,817,029, 3-28-89, Cl. 364-760.000.
- Fineman, Howard. Substance detector device. 4,803,470, 2-7-89, Cl. 340-583.000.
- Finer, Paul: *See—*
  - Weiser, Murray; Silverman, William; Landau, Zvi; Finer, Paul; and Pincus, Cary I., 4,860,329, Cl. 378-50.000.
- Finetex, Inc.: *See—*
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- Finger, Eugene P., to Curtis Instruments, Inc. Solid-state reader device for a cumulative operations measurement system. 4,852,104, 7-25-89, Cl. 371-57.000.
- Fingerle, Dieter; and Gundel, Wolf-Dieter, to Feldmeuhle Aktiengesellschaft. Tubular ceramic body for gas passages in cylinder head of internal combustion engine. 4,840,154, 6-20-89, Cl. 123-193.00H.
- Fingerson, Conrad F.; and Eickhoff, Robert D., to Amco Partnership. Rail-type fence using electricity. 4,836,504, 6-6-89, Cl. 256-10.000.
- Fingerson, Conrad F.; Carlson, Dennis L.; Nelson, Bruce A.; and Eickhoff, Robert D., to AFC, Inc. Arrow shaft end adaptor apparatus and balance pin apparatus and method. 4,874,180, 10-17-89, Cl. 273-416.000.
- Fini Enterprises, Inc.: *See—*
  - Everill, N. Rooke, 4,814,158, Cl. 423-558.000.
- Fini, Lorenzo: *See—*
  - Chesnoy, Jose; and Fini, Lorenzo, 4,815,080, Cl. 372-30.000.
- Finial Technology, Inc.: *See—*
  - Stoddard, Robert E., 4,870,631, Cl. 369-18.000.
- Finic, B. V.: *See—*
  - Cavalli, Nicholas J., 4,863,312, Cl. 405-128.000.
- Finic, B.V.: *See—*
  - Miotti, Giosue, 4,880,334, Cl. 405-149.000.
  - Ressi di Cervia, Arturo L., 4,877,358, Cl. 405-267.000.
- Finisar Corporation: *See—*
  - Levinson, Frank H., 4,881,789, Cl. 350-96.150.
- Fink, Arthur C., Jr., to Husky Corporation. Attitude control device for fuel dispensing nozzle. 4,809,753, 3-7-89, Cl. 141-206.000.
- Fink, Arthur C., Jr., to Husky Corporation. Flow control valve. 4,825,916, 5-2-89, Cl. 141-392.000.
- Fink, Arthur C., Jr., to Husky Corporation. Breakaway hose coupling. 4,827,977, 5-9-89, Cl. 137-614.040.
- Fink, Arthur C., Jr., to Husky Corporation. Butterfly valve for fluid flow line. 4,828,183, 5-9-89, Cl. 239-569.000.
- Fink, David, to Hughes Aircraft Company. Rapidly switchable line selector for pulsed lasers. 4,862,468, 8-29-89, Cl. 342-19.000.
- Fink, Ernst: *See—*
  - Fritz, Hans; Dodt, Johannes; Seemuller, Ursula; and Fink, Ernst, 4,801,576, Cl. 514-12.000.
  - Fink, Hans-Ferdi; Koerner, Gotz; Berger, Roland; and Weitemeyer, Christian, to Th. Goldschmidt AG. New fluorine-containing siloxanes, their synthesis and use as defoaming agent. 4,824,983, 4-25-89, Cl. 556-454.000.
- Fink, Hans-Ferdi; Berger, Roland; Heilen, Wernfried; and Muss, Peter, to Th. Goldschmidt AG. Method for improving the scratch resistance and increasing the sliding ability of coated surfaces and improved coating materials. 4,886,551, 12-12-89, Cl. 106-183.000.
- Fink, Hans-Ferdi: *See—*
  - Berger, Roland; Fink, Hans-Ferdi; and Klocker, Otto, 4,804,737, Cl. 528-26.000.
- Fink, Hans-Werner, to International Business Machines Corporation. Atto-amperemeter. 4,804,909, 2-14-89, Cl. 324-120.000.
- Fink, Heinz: *See—*
  - Langen, Manfred; and Fink, Heinz, 4,856,270, Cl. 57-281.000.
- Fink, Joel H., to United States of America, Energy. Astable resonator photoneutralization apparatus. 4,798,952, 1-17-89, Cl. 250-251.000.
- Fink, Martha M.: *See—*
  - Fink, Michael P., 4,841,596, Cl. 16-114.00B.
- Fink, Martin, to IFE Industrie-Einrichtungen Fertigungs-Aktiengesellschaft. Rotary drive, in particular for vehicle doors. 4,813,291, 3-21-89, Cl. 74-99.00A.
- Fink, Martin, to IFE Industrie-Einrichtungen Fertigungs-Aktiengesellschaft. Pneumatic or hydraulic drive for opening and closing of doors. 4,854,223, 8-8-89, Cl. 92-17.000.
- Fink, Mathias, to U.S. Philips Corporation; and Fujitsu Limited. Device for the scanning of objects by means of ultrasound echography. 4,873,869, 10-17-89, Cl. 73-626.000.
- Fink, Michael P., to Fink, Nellie M.; Fink, Martha M.; and Edwards, Susan M. Handle with shaped recesses to support flimsy bag straps. 4,841,596, 6-27-89, Cl. 16-114.00B.
- Fink, Nellie M.: *See—*
  - Fink, Michael P., 4,841,596, Cl. 16-114.00B.
- Fink, Reinhold: *See—*
  - Dorner, Wolfgang; Lux, Helmut; and Fink, Reinhold, 4,836,297, Cl. 173-162.100.
- Fink, Richard A.: *See—*
  - Raymond, Bruce C.; and Fink, Richard A., 4,811,823, Cl. 192-21.500.
- Fink, Roland; and Klingenstein, Walter, to Oskar Frech GmbH & Co. Spray head having fluid metering screws. 4,799,624, 1-24-89, Cl. 239-412.000.
- Fink, Roland; Huber-Hesselberger, Josef; and Mayr, Maximilian. Molding materials having improved processing properties, and aging resistant plastic sheets produced from these materials. 4,801,64 1-31-89, Cl. 525-74.000.
- Fink, Ronald G. Ultrasorb system. 4,859,329, 8-22-89, Cl. 210-257.100.
- Fink, Willi, to Edmund Buhler GmbH & Co. Device for the removal of liquid samples. 4,817,445, 4-4-89, Cl. 73-864.620.
- Finkbeiner, Gerhard. Hydraulic hoist platform. 4,798,266, 1-17-89, Cl. 187-8.710.
- Finkbeiner, Werner, to Hans Grohe GmbH & Co. KG. Shower head. 4,838,486, 6-13-89, Cl. 239-117.000.
- Finke, Edward H.: *See—*
  - Scharp, David W.; Lacy, Paul E.; Finke, Edward H.; and Poteat, Thomas J., 4,868,121, Cl. 435-268.000.
- Finke, Harry P., to Bloom Engineering Company, Inc. Low NOX radiant tube burner and method. 4,800,866, 1-31-89, Cl. 126-91.00A.
- Finke, Harry P., to Bloom Engineering Company, Inc. Method and apparatus for suppressing NOX formation in regenerative burners. 4,828,483, 5-9-89, Cl. 431-11.000.
- Finke, Juergen; and Bartmann, Martin, to Huls Aktiengesellschaft. Method of manufacturing thermoplastically processible aromatic polyamides and polyamidimides from bisamide. 4,824,932, 4-25-89, Cl. 528-363.000.
- Finke, Juergen; and Bartmann, Martin, to Huels Aktiengesellschaft. Moldable high molecular weight aromatic polyamide from polyarylene oxy diamine. 4,843,139, 6-27-89, Cl. 528-125.000.
- Finke, Juergen; Neugebauer, Wolfgang; Koziel, Holger; and Bartmann, Martin, to Huels Aktiengesellschaft. Molding composition consisting of aliphatic/aromatic copolyamide. 4,864,009, 9-5-89, Cl. 528-172.000.
- Finke, Juergen; Bartmann, Martin; and Schmidt, Friedrich-Georg, to Huels Aktiengesellschaft. Molding materials, containing imide group-containing aromatic polyamides and process for their preparation. 4,868,272, 9-19-89, Cl. 528-172.000.
- Finke, Juergen: *See—*
  - Poll, Heinz-Guenter; Neugebauer, Wolfgang; Bartmann, Martin; and Finke, Juergen, 4,851,496, Cl. 528-173.000.
- Finke, Klaus; and Baumgarten, Klaus, to Messerschmitt-Bolkow-Blohm GmbH. Adjustment member for performing a mechanical rotational movement. 4,804,934, 2-14-89, Cl. 335-229.000.
- Finke, Manfred: *See—*
  - Vorwerk, Edgar; Finke, Manfred; and Lenz, Rudiger, 4,847,34 Cl. 528-45.000.
  - Walz, Gerd; Honel, Michael; Brindopke, Gerhard; Sprenger, Walter; Finke, Manfred; and Lenz, Rudiger, 4,808,658, Cl. 524-591.000.
- Finke, Paul E.; Zimmerman, Morris; Doherty, James B.; Ashe, Bonnie Mae; and Dorn, Conrad P., to Merck & Co., Inc. β-Lactam derivatives as anti-inflammatory and antidegenerative agents. 4,797,36 1-10-89, Cl. 514-210.000.
- Finke, Paul E.: *See—*
  - Doherty, James B.; Hagmann, William K.; Finke, Paul E.; and Shah, Shrenik K., 4,845,088, Cl. 514-202.000.
  - Thompson, Kevan R.; Finke, Paul E.; and Doherty, James B., 4,847,247, Cl. 514-[illegible].000.
- Finke, Ronald J.: *See—*
  - Williams, Danny R.; and Finke, Ronald J., 4,846,725, Cl. 439-479.000.
- Finkel, A. Milton; and Bunka, Stephan F., to McGoldrick, Dennis E., Trustee. Cage with floating nut assembly. 4,884,420, 12-5-89, Cl. 70-58.000.
- Finkel, Gilbert, to Food-Tek, Inc. Chocolate enrobed wafer products and method for preparing the same. 4,812,318, 3-14-89, Cl. 426-94.000.
- Finkelmann, Heino: *See—*
  - Kock, Hans-Jakob; Winkler, Ekhard; Baur, Richard; Finkelmann, Heino; and Schafheutle, Markus, 4,801,734, Cl. 560-73.000.
- Finkelstein, David B., to Board of Regents, The University of Texas System. Heat shock regulated production of selected and fused proteins in yeast. 4,797,359, 1-10-89, Cl. 435-68.000.
- Finkelstein, Joseph A.; and Kruse, Lawrence I., to SmithKline Beckman Corporation. 1-aralykyl-5-piperazinylmethyl-2-mercaptoimidazoles and 2-alkylthioimidazoles and their use as dopamine-β-hydroxylase inhibitors. 4,835,154, 5-30-89, Cl. 514-252.000.
- Finkelstein, Joseph A.; Kruse, Lawrence I.; and Leonard, Thomas B., to SmithKline Beckman Corporation. Dopamine-β-hydroxylase inhibitors. 4,837,353, 6-6-89, Cl. 560-39.000.
- Finkelstein, Joseph A.; Kruse, Lawrence I.; and Leonard, Thomas R., to SmithKline Beckman Corporation. Dopamine-β-hydroxylase inhibitors. 4,859,779, 8-22-89, Cl. 538-321.000.
- Finkelstein, Sarah. Body supporting chair. 4,884,842, 12-5-89, Cl. 297-331.000.
- Finkl, Charles W., to A. Finkl & Sons Co. Electric arc furnace. 4,887,277, 12-12-89, Cl. 373-71.000.
- Finkle, Louis J., to Goodman, Larry K. Safety handle. 4,821,371, 4-18-89, Cl. 16-112.000.
- Finlan, Martin F., to Amersham International plc. Method and apparatus for particle analysis. 4,886,360, 12-12-89, Cl. 356-335.000.
- Finlay, David A., Sr.: *See—*
  - Murphy, Patrick J.; Emeny, William L., Jr.; and Finlay, David A., Sr., 4,872,081, Cl. 361-117.000.
- Finlay, David E.; Hanna, Stephen D.; Stevenson, David C.; and Varga, John T., to International Business Machines Corporation. Multidirectional scan and print capability. 4,841,453, 6-20-89, Cl. 364-519.000.
- Finlay, Douglas: *See—*
  - Menges, William H., Sr., Menges, William H., Jr.; and Finlay, Douglas, 4,846,076, Cl. 108-42.000.
- Finlay, Gerard: *See—*
  - Edwards, David G.; Finlay, Gerard; Boyle, David J.; Heasly, Clyde C., Jr.; Walsh, Joseph M.; and Poling, Ralph J., 4,802,412, Cl. 101-269.000.
- Finlay, Gordon. Method for restoring and reinforcing wooden structural component. 4,865,879, 9-12-89, Cl. 427-140.000.
- Finlay, Patrick A., to Richford Holdings, Inc. Chapati making machine. 4,806,090, 2-21-89, Cl. 425-194.000.
- Finlay, Patrick A., to Alkmar Products Limited. Apparatus for rolling circular dough product. 4,857,349, 8-15-89, Cl. 426-502.000.
- Finlay, Patrick A.: *See—*
  - Gray, Nigel; Knibbs, Simon; Finlay, Patrick A.; and Crocker, Robert L., 4,870,970, Cl. 128-660.090.
- Finlay, William, Jr.: *See—*
  - Conn, Kirk O.; Finlay, William, Jr.; Sutyn, Caroll S.; and Maietta, Michael G., 4,871,354, Cl. 604-89.000.
- Finlay, William M.: *See—*
  - Blanton, Keith A.; Finlay, William M.; Sinclair, Michael J.; and Tumblin, John E., 4,873,585, Cl. 358-335.000.
- Finlayson, James W.: *See—*
  - Warren, Douglas H.; Matthews, John C.; Baldwin, Jay M.; Ashman, Charles M.; and Finlayson, James W., 4,801,423, Cl. 376-287.000.
- Finley, Charles O. Visually enhanced football. 4,867,452, 9-19-89, Cl. 273-65.00E.
- Finley, James I., to PPG Industries, Inc. Method of making low emissivity film for high temperature processing. 4,806,220, 2-21-89, Cl. 204-192.270.
- Finley, John W.; and Faridi, Hamed A., to Nabisco Brands, Inc. Method and apparatus for improving the reliability for dough testing results. 4,838,081, 6-13-89, Cl. 73-169.000.
- Finley, John W.: *See—*
  - Klemann, Lawrence P.; and Finley, John W., 4,830,787, Cl. 260-410.000.
  - Klemann, Lawrence P.; Finley, John W.; and Scimone, Anthony, 4,877,871, Cl. 536-124.000.
- Finley, Joseph H., to FMC Corporation. Phosphate feed material for phosphorus electric furnace. 4,806,326, 2-21-89, Cl. 423-322.000.
- Finley, Joseph H.; Hammermeister, Lewis L.; and Sproul, Jared S., to FMC Corporation. Phosphate feed material for phosphorus electric furnaces and production of same. 4,822,583, 4-18-89, Cl. 423-322.000.
- Finley, Randy; and Lee, Ben R., to Ben Lee Calls. Compact hand-held thumb actuated friction-type turkey call. 4,836,822, 6-6-89, Cl. 446-[illegible].000.
- Finley, Richard O., to Plastiflex Company International. Hose air purging pump anti-depriming method and apparatus. 4,808,081, 2-28-89, Cl. 417-57.000.
- Finley, Roger W.; Lubin, Barry D.; and Bergendahl, Bruce A., to Motorola, Inc. Individual subchannel loopback in the PCM interfaces of a digital telephone exchange with control of the outbound path. 4,860,281, 8-22-89, Cl. 370-15.000.
- Finley, Thomas E.: *See—*
  - Carmichael, Philip D.; and Finley, Thomas E., 4,837,721, Cl. 364-703.000.
- Finn, Alan M.; Kieckhafer, Roger M.; and Walter, Chris J., to Allied-Signal Inc. Synchronizer for a fault tolerant multiple node processing system. 4,816,989, 3-28-89, Cl. 364-200.000.
- Finn, Alan M.: *See—*
  - Kieckhafer, Roger M.; Finn, Alan M.; and Walter, Chris J., 4,805,107, Cl. 364-200.000.
- Finn, Bernard J.; and Hawkins, Gene R., to General Motors Corporation. Suspension strut with side load support. 4,883,288, 11-28-89, Cl. 280-672.000.
- Finn, Charles A., to Phrobis III, Ltd. Military bayonet and scabbard. 4,821,356, 4-18-89, Cl. 7-134.000.
- Finn, Everett N.: *See—*
  - Milliner, Kenneth M.; Lewis, Robert T.; Finn, Everett N.; and Lowe, Byron L., 4,867,298, Cl. 198-408.000.
- Finn, Jerome W.; Montgomery, Robert L.; and Schuchard, Frank B., to Ideal Industries, Inc. Machine and method for making screw-on connectors. 4,881,322, 11-21-89, Cl. 29-878.000.
- Finn, Lyle D.: *See—*
  - Davenport, George F.; Finn, Lyle D.; and Burns, Jerome Q., 4,810,135, Cl. 405-224.000.
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  - Martinsen, Finn, 4,871,145, Cl. 254-199.000.
- Finn, Peter J.: *See—*
  - Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; Finn, Peter J.; and Fisher, Michael G., 4,814,827, Cl. 355-37.000.
  - Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; and Finn, Peter J., 4,824,770, Cl. 430-363.000.
  - Powers, Stephen R.; Finn, Peter J.; and Fisher, Michael G., 4,816,378, Cl. 430-301.000.
- Finn, Roger C.: *See—*
  - Bennett, Reginald B. P.; Drake, Allan R.; and Finn, Roger C., 4,808,434, Cl. 427-54.100.
- Finnan, Jeffrey L.; Lisa, Rudolph E.; and Wisniach, Joseph T., to BASF Corporation. Process for lubricating water-soluble vitamin powders. 4,830,859, 5-16-89, Cl. 424-465.000.
- Finnefrock, James A., Sr. Socket extension with safety wedge. 4,865,485, 9-12-89, Cl. 403-322.000.
- Finnegan, Danny E. Instrument for aiding in property shoeing a horse. 4,813,148, 3-21-89, Cl. 33-195.000.
- Finnegan, Richard J. H. Storage rack. 4,832,208, 5-23-89, Cl. 211-73.000.
- Finnegan, Robert J.; and Prescott, Keith L., to Shelburne Corporation, The. Multipurpose car-top rack. 4,867,362, 9-19-89, Cl. 224-319.000.
- Finnegan, Stephen A.: *See—*
  - Backman, Marvin E.; Finnegan, Stephen A.; Whitman, Kent G.; and Sewell, Robert G. S., 4,885,994, Cl. 102-473.000.
- Finnell, James H., to Purdy Proportioners, Ltd. Liquid proportioner with filtering system. 4,830,220, 5-16-89, Cl. 222-57.000.
- Finnemore, Douglas K.: *See—*
  - Verhoeven, John D.; McMasters, O. Dale; Gibson, Edwin D.; Ostenson, Jerome E.; and Finnemore, Douglas K., 4,818,304, Cl. 148-103.000.
- Finnerty, John D.: *See—*
  - Roberts, Peter A.; and Finnerty, John D., 4,839,804, Cl. 364-408.000.
- Finney, James E.; and Brubaker, Weldon L., to Molex Incorporated. Carrier assembly and method of manufacturing same. 4,875,582, 10-24-89, Cl. 206-330.000.
- Finney, Roy P., to Medical Engineering Corporation. Ureteral stent. 4,820,262, 4-11-89, Cl. 604-8.000.
- Finnieston, Alan; Burkhalter, William E.; Reyes, Franklin; and Latta, Loren L., to Maramed Precision Corporation. Adjustable hand splint. 4,873,968, 10-17-89, Cl. 128-87.00R.
- Finnigan Corporation: *See—*
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  - Weber-Grabau, Michael, 4,818,869, Cl. 250-282.000.
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- Finsbury (Instruments) Limited: *See—*
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- Finsterwald, P. Michael, to Cobe Laboratories, Inc. Self-loading peristaltic pump. 4,861,242, 8-29-89, Cl. 417-477.000.
- Finsterwald, P. Michael: *See—*
  - Bainbridge, Marlene A.; Powell, Charles B.; and Finsterwald, P. Michael, 4,824,339, Cl. 417-477.000.
- Finsterwald, Phillip M.; Howlett, Charles W.; and Ring, James W., to Ethicon, Inc. Dual function ultrasonic transducer probes. 4,802,458, 2-7-89, Cl. 128-661.080.
- Finsterwalder, Klemens; and Bartsch, Rudiger, to Dyckerhoff & Widmann Aktiengesellschaft. Rock anchor assembly for securing roadways and wall surfaces of open cuts and tunnels. 4,850,746, 7-25-89, Cl. 405-260.000.

Finsterwalder, Thomas. Aerodynamic structural pipe for hang gliders. 4,871,132, 10-3-89, Cl. 244-130.000.
Finsterwalder, Ulrich. Threaded bar. 4,811,541, 3-14-89, Cl. 52-737.000.
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Finter, Jurgen; Fischer, Walter; and Lohse, Friedrich, to Ciba-Geigy Corporation. Photosensitive compositions of matter which are capable of undergoing condensation or additional reactions and may or may not be crosslinkable, reaction products which can be prepared therefrom and their use. 4,849,533, 7-18-89, Cl. 549-556.000.
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Finzel, Lothar, to Siemens Aktiengesellschaft. Connector device for light waveguides. 4,850,671, 7-25-89, Cl. 350-96.210.
Fiocchi, Jean B. Vehicle cover supporting system. 4,830,427, 5-16-89, Cl. 296-136.000.
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Fioravanti, Kenneth J.; Kern, David W.; and Stelts, Philip D., to Air Products and Chemicals, Inc. Chemical dehydrogenation of molten ferrous alloys using a halogen-containing compound. 4,869,749, 9-26-89, Cl. 75-58.000.
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Fiori, David, Jr. Frequency-to-voltage converter. 4,816,704, 3-28-89, Cl. 307-519.000.
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Fiori, David, Jr., to Sensor Technologies, Inc. Displacement sensor having multiplexed dual tank circuits. 4,841,245, 6-20-89, Cl. 324-208.000.
Fiori, David, Jr., to Sensor Technologies, Inc. Displacement sensor having dual tank circuits. 4,851,770, 7-25-89, Cl. 324-208.000.
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Firey, Joseph C. Reactant gas reservoirs for cyclic solid with gas reactors. 4,865,623, 9-12-89, Cl. 48-61.000.
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Fischbach, Karl H., to Siegenia-Frank KG. Hardward for closure. 4,845,891, 7-11-89, Cl. 49-219.000.
Fischbeck, Kenneth H.; and Hoisington, Paul A., to Spectra, Inc. Shear mode transducer for ink jet systems. 4,825,227, 4-25-89, Cl. 346-1.100.
Fischbeck, Kenneth H., to Spectra, Inc. Dual mode ink jet printer. 4,864,328, 9-5-89, Cl. 346-140.00R.
Fischbeck, Kenneth H.: *See—*
Hoisington, Paul A.; Schaffer, Robert R.; and Fischbeck, Kenneth H., 4,835,554, Cl. 346-140.00R.
Fischel, Mario. Method of playing a game of economics and finance. 4,856,788, 8-15-89, Cl. 273-256.000.
Fischel, Richard J.; and Brumfield, Robert C., to Haemonetics Corporation. Couette membrane filtration apparatus for separating suspended components in a fluid medium using high shear. 4,808,307, 2-28-89, Cl. 210-321.680.
Fischel, Richard J.; and Shatzel, Albert V., to Haemonetics Corporation. Enhanced separation of blood components. 4,871,462, 10-3-89, Cl. 210-651.000.
Fischell, Robert E.; and Fischell, Tim A., to MedInnovations, Inc. Expandable pullback atherectomy catheter system. 4,886,061, 12-12-89, Cl. 128-305.000.
Fischell, Tim A.: *See—*
Fischell, Robert E.; and Fischell, Tim A., 4,886,061, Cl. 128-305.000.
Fischer, Addison. Document composition system using named formats and named fonts. 4,881,197, 11-14-89, Cl. 364-900.000.
Fischer, Addison M. Public key/signature cryptosystem with enhanced digital signature certification. 4,868,877, 9-19-89, Cl. 380-25.000.
Fischer, Albrecht: *See—*
Schubert, Erdmann; Ploog, Klaus; Fischer, Albrecht; and Horikoshi, Yoshiji, 4,882,609, Cl. 357-22.000.
Fischer, Artur, to Fischerwerke Artur Fischer GmbH & Co. KG. Drilling assembly for making boreholes with undercuts. 4,815,904, 3-28-89, Cl. 409-190.000.
Fischer, Artur, to Fischerwerke Artur Fischer GmbH & Co. KG. Anchoring assembly. 4,842,461, 6-27-89, Cl. 411-55.000.
Fischer, Baruch; Sternklar, Shmuel; and Weiss, Shimon, to Technion Research & Development Foundation Ltd. Optical apparatus and method for beam coupling useful in light beam steering and spatial light modulation. 4,869,579, 9-26-89, Cl. 350-354.000.
Fischer, Bernd F.: *See—*
Muchnik, Boris J.; and Fischer, Bernd F., 4,877,666, Cl. 428-64.000.
Fischer, Daniel E. Lottery dice. 4,874,175, 10-17-89, Cl. 273-146.000.
Fischer, David M.: *See—*
Dean, Thomas E.; Henrich, William H.; Fischer, David M.; Stratton, Lawrence J., and Pietsch, Herbert E., 4,873,471, Cl. 315-308.000.
Fischer, Donald F.: *See—*
Johnson, Terry R.; Ackerman, John P.; Tomczuk, Zygmunt; and Fischer, Donald F., 4,814,046, Cl. 204-1.500.
Fischer, Donald R.: *See—*
Heinrich, Martin W.; and Fischer, Donald R., 4,871,922, Cl. 290-1.00B.
Fischer, Edmund C. Pulsating water and air jet structure for cleaning helmet window. 4,803,979, 2-14-89, Cl. 128-201.150.
Fischer, Ernest A.: *See—*
Young, John D.; and Fischer, Ernest A., 4,838,184, Cl. 110-346.000.
Fischer, Ernest J., to Breuer Electric Mfg. Co. Pad holder release mechanism for floor treating machines. 4,799,282, 1-24-89, Cl. 15-98.000.
Fischer, Ernst: *See—*
Bomhard, Helmut; Fischer, Ernst; and Rudat, Dieter, 4,884,711, Cl. 220-5.00A.
Fischer, Erwin C. Containerized fuel fireplace insert. 4,838,781, 6-13-89, Cl. 431-125.000.
Fischer, Franz: *See—*
Handtmann, Albert A.; Haupt, Gunter; Gebhard, Erwin; Fischer, Franz; and Schroder, Valentin, 4,867,638, Cl. 415-172.100.
Fischer, Franz X.: *See—*
Jinks, Philip A.; Bell, Alexander; and Fischer, Franz X., 4,814,161, Cl. 424-45.000.
Fischer, Frederick H.; Murphy, Edmond J.; and Rice, Trudie C., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Reducing bend and coupling losses in integrated optical waveguides. 4,810,049, 3-7-89, Cl. 350-96.120.
Fischer, Frederick H., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Laser-blown links. 4,853,758, 8-1-89, Cl. 357-51.000.
Fischer, Georg: *See—*
Juenkersfeld, Harald; and Fischer, Georg, 4,860,926, Cl. 222-148.000.
Langenhahn, Lutz; Mooshammer, Alfred; and Fischer, Georg, 4,830,068, Cl. 141-266.000.
Fischer, Gerhard; and Grubisic, Vatroslav, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. Method and apparatus for testing rail vehicle wheels. 4,800,748, 1-31-89, Cl. 73-865.900.
Fischer, Gerhard; Schneider, Benedikt; and Jahn, Helmut, to R. P. Scherer GmbH. Gelatin capsules and method of preparing same. 4,804,542, 2-14-89, Cl. 424-456.000.
Fischer, Gerhard; and Quabeck, Helmut, to Du Pont de Nemours, E. I., and Company. Process for recording semihalftone images. 4,876,611, 10-24-89, Cl. 358-456.000.
Fischer, Gerhard: *See—*
Grubisic, Vatroslav; and Fischer, Gerhard, 4,842,338, Cl. 301-9.0DN.
Fischer, Glenn N. Damage-resistant mailbox. 4,858,823, 8-22-89, Cl. 232-34.000.
Fischer, Glenn N. Guided-bend test apparatus. 4,875,376, 10-24-89, Cl. 73-852.000.
Fischer Gesellschaft m.b.H.: *See—*
Fischer, Josef, 4,810,001, Cl. 280-608.000.
Fischer, Josef, 4,844,500, Cl. 280-604.000.

Fischer, Gordon C., to Dow Chemical Company, The. Monoisocyanate capped epoxy resins. 4,801,662, 1-31-89, Cl. 525-504.000.

Fischer, Gordon C.; and McKinney, Linda M., to Dow Chemical Company, The. Imide Modified epoxy resins. 4,847,348, 7-11-89, Cl. 528-117.000.

Fischer, Gordon C.: *See—*

  Woodson, Jeffrey B.; Cooper, Lance A.; White, Helen M.; and Fischer, Gordon C., 4,808,235, Cl. 134-22.190.

Fischer, Hanns E.; Horster, Horst; Kersten, Reinhard; and Van Lierop, Joseph G., to U.S. Philips Corporation. Gas discharge lamp with microporous aerogel. 4,866,327, 9-12-89, Cl. 313-25.000.

Fischer, Hans-Otto; and Hosemann, Siegfried, to Rhein-Flugzeugbau GmbH. Obstacle in front of a propeller. 4,795,308, 1-3-89, Cl. 415-119.000.

Fischer, Hans-Otto; and Gronau, Karl H., to Rhein-Flugzeugbau GmbH. Airscrew or propeller for propelling an aircraft. 4,863,351, 9-5-89, Cl. 416-203.000.

Fischer, Hanspeter: *See—*

  Lutz, William R.; Verschueren, Wim G.; Fischer, Hanspeter; and Van Lommen, Guy R. E., 4,830,664, Cl. 71-92.000.

Fischer, Harmut: *See—*

  Welter, Andre; Fischer, Harmut; Christiaens, Leon; Wendel, Albrecht; Etschenberg, Eugen; Dereu, Norbert; Kuhl, Peter; and Graf, Eric, 4,873,350, Cl. 549-436.000.

Fischer, Heinrich R., to Carl Hurth Maschinen- und Zahnradfabrik GmbH & Co. Method and device for controlling the rolling drive of a gear grinding machine. 4,831,788, 5-23-89, Cl. 51-287.000.

Fischer, Helga: *See—*

  Nandi, Kumaresh; Fischer, Helga; Herrmann, Wilfried; Kohne, Hans; Lahr, Wolfgang; Schmersahl, Hein U.; and Walch, Hatto, 4,855,300, Cl. 514-264.000.

Fischer, Helmut, to Siemens Aktiengesellschaft. Circuit arrangement to monitor the time spacing of signals. 4,799,024, 1-17-89, Cl. 328-110.000.

Fischer, Helmut. Apparatus for measuring the thickness of thin layers. 4,799,246, 1-17-89, Cl. 378-50.000.

Fischer, Helmut. Electromagnetic probe for measuring the thickness of thin coatings on magnetic substrates. 4,829,251, 5-9-89, Cl. 324-230.000.

Fischer, Helmut, to Rheinmetall GmbH. Device for storing and loading ammunition in a turret. 4,840,110, 6-20-89, Cl. 89-46.000.

Fischer, Helmut. Device for a hardness measuring instrument. 4,841,764, 6-27-89, Cl. 73-81.000.

Fischer, Helmut. Guide device for a test body of a hardness measuring instrument. 4,848,140, 7-18-89, Cl. 73-81.000.

Fischer, Helmut: *See—*

  Bruhnke, Ulrich; Korber, Jurgen; Fischer, Helmut; Jobmann, Ingo; Feichtiger, Dieter; Deischl, Hans; Weikert, Gunther; Schumacher, Josef; and Claor, Klaus, 4,848,509, Cl. 180-287.000.

Fischer, Helmuth, to Vereinigte Drahtseilwerke GmbH. Torsionally balanced wire rope or cable. 4,809,492, 3-7-89, Cl. 57-212.000.

Fischer, Herbert; Hase, Brigitte; Moller, Hinrich; Wilk, Hans-Christoph; and Zeidler, Ulrich, to Henkel Kommanditgesellschaft auf Aktien. N-substituted polyglycidyl urazole compounds, processes for their production and pharmaceutical preparations. 4,801,601, 1-31-89, Cl. 514-384.000.

Fischer, Herbert; Wegemund, Bernd; Gress, Wolfgang; and Gorzinski, Manfred, to Henkel Kommanditgesellschaft auf Aktien. Air-drying lacquer binder based on polyoctenylene. 4,859,746, 8-22-89, Cl. 525-293.000.

Fischer, Hermann, to MAN Roland Druckmaschinen AG. Sheet smoother for the gripped edge of the sheet in a sheet-fed rotary printing machine. 4,802,663, 2-7-89, Cl. 271-227.000.

Fischer, Hermann, to M.A.N. Roland Druckmaschinen AG. Printing machine cylinder with adjustable groove cover element. 4,815,380, 3-28-89, Cl. 101-375.000.

Fischer, Hermann, to MAN Roland Druckmaschinen AG. Sheet transport arrangement for printing machines. 4,825,762, 5-2-89, Cl. 101-142.000.

Fischer, Horst, to Lafis Lagertechnik Fischer GmbH & Co. KG. Fork lift truck. 4,813,703, 3-21-89, Cl. 280-43.170.

Fischer, Horst; Wichmann, Werner; Wilhelms, Gernot; and Wiltmann, Guenter, to Kabel-und Metallwerke Gutehoffnungshutte AG. Cutting curved mold surfaces. 4,856,947, 8-15-89, Cl. 409-119.000.

Fischer, Hubertus: *See—*

  Oppelt, Arnulf; Fischer, Hubertus; and Barfuss, Helmut, 4,825,159, Cl. 324-309.000.

Fischer, Huw B. J.: *See—*

  Matthews, Hugoe R.; and Fischer, Huw B. J., 4,796,617, Cl. 128-204.250.

Fischer, Jacqueline: *See—*

  Taylor, Charles J.; Grossman, Julius; Fischer, Jacqueline; Smith, Howard A.; Peckerar, Martin C.; and Rebbert, Milton L., 4,818,661, Cl. 430-320.000.

Fischer, James L.: *See—*

  McCalley, Karl W.; Wilson, Steven D.; and Fischer, James L., 4,829,372, Cl. 358-86.000.

Fischer, James R., to Velcro Industries B.V. Multi-hook fastener member. 4,872,243, 10-10-89, Cl. 24-442.000.

Fischer, Jan A., to Ciba-Geigy Corporation. Human calcitonin peptide with salmon calcitonin-like characteristics. 4,845,080, 7-4-89, Cl. 514-21.000.

Fischer, Janos; Dobay, Laszlo ; Major, Mihaly; Ezer, Elemer; Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny, Laszlo , to Richter Gedeon Vegyeszeti Gyar Rt. Novel salicylates, their salts, pharmaceutical compositions containing them and process for preparing same. 4,879,404, 11-7-89, Cl. 560-051.000.

Fischer, Joachim. Coupling mechanism for interconnecting sealing plates that are to be built into a sealing wall. 4,808,039, 2-28-89, Cl. 405-281.000.

Fischer, Jochen, to Kochs Adler Aktiengesellschaft. Sewing automat with a sewing head including a rotary housing. 4,817,543, 4-4-89, Cl. 112-121.120.

Fischer, Jochen: *See—*

  Upmeier, Egon; and Fischer, Jochen, 4,809,627, Cl. 112-121.120.

Fischer, John R.: *See—*

  Weisert, Edward D.; Fischer, John R.; and McCauley, William L. 4,882,823, Cl. 29-6.100.

Fischer, Jorg; and Weimann, Peter. Pneumatic horn. 4,829,930, 5-16-89, Cl. 116-142.0FP.

Fischer, Josef, to Fischer Gesellschaft m.b.H. Ski. 4,810,001, 3-7-89, Cl. 280-608.000.

Fischer, Josef, to Fischer Gesellschaft m.b.H. Ski. 4,844,500, 7-4-89, Cl. 280-604.000.

Fischer, Karl, to Strapex AG. Tensioning and connecting apparatus for connecting overlapping strap ends of synthetic material. 4,820,363, 4-11-89, Cl. 156-494.000.

Fischer, Karl. Electric cooker plate. 4,829,160, 5-9-89, Cl. 219-467.000.

Fischer, Karl; Kock, Werner; and Tuider, Wolfgang, to U.S. Philips Corporation. System for the recording and/or playback of signals. 4,858,051, 8-15-89, Cl. 360-137.000.

Fischer, Karl W., Jr. Adjustable roof bracket. 4,884,775, 12-5-89, Cl. 248-237.000.

Fischer, Kevin H. Plummer's union. 4,804,209, 2-14-89, Cl. 285-31.000.

Fischer, Kurt; and Leutwiler, Hans, to Georg Fischer Aktiengesellschaft. Process for selectively compressing granular material in a molding box. 4,828,007, 5-9-89, Cl. 164-37.000.

Fischer, Kurt, to Georg Fischer Aktiengesellschaft. Molding equipment for the production of a casting mold. 4,828,013, 5-9-89, Cl. 164-169.000.

Fischer, Kurt: *See—*

  Stuhler, Herbert; and Fischer, Kurt, 4,801,730, Cl. 558-313.000.

Fischer, Leonard: *See—*

  Palmer, Ronald J.; and Fischer, Leonard, 4,833,480, Cl. 342-125.000.

Fischer, Manfred; Dussler, Klaus; Linke, Wilfried; and Hartmann, Werner, to Andreas Stihl. Motor-driven chain saw with a sprocket guide. 4,796,360, 1-10-89, Cl. 30-384.000.

Fischer, Manfred: *See—*

  Eiermann, Dankwart; and Fischer, Manfred, 4,808,096, Cl. 418-113.000.

Fischer, Mark W.: *See—*

  Morrison, Paul E.; Stout, George H.; Dailey, George F.; and Fischer, Mark W., 4,811,091, Cl. 358-100.000.

Fischer, Martin, to BASF Aktiengesellschaft. Preparation of olefins from tertiary alkyl halides. 4,822,946, 4-18-89, Cl. 585-641.000.

Fischer, Martin: *See—*

  Boettcher, Andreas; Fischer, Martin; Aldag, Reinhard; and Bluemel, Thomas, 4,886,735, Cl. 430-332.000.

  Wambach, Ludwig; and Fischer, Martin, 4,874,865, Cl. 546-243.000.

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Fischer, Melchior; and Gaiffi, Nazareno, to BBC Brown Boveri AG. Ozone generator. 4,886,645, 12-12-89, Cl. 422-186.180.

Fischer, Montie R. Multipiece cable testing device which functions as flashlight, continuity checker, and cable identifier. 4,839,599, 6-13-89, Cl. 324-542.000.

Fischer, Pius: *See—*

  Epp, Niklaus, Fischer, Pius; and Deutsch, Heinz, 4,848,849, Cl. 303-82.000.

Fischer & Porter Company: *See—*

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  Soltz, Daniel J., 4,868,797, Cl. 367-98.000.

  Valentin, Jean-Pascal; and Maitre, Pierre, 4,829,826, Cl. 73-718.000.

  Valentin, Jean-Pascal; Maitre, Pierre; and Kazahaya, Masahiro, 4,879,450, Cl. 219-121.640.

Fischer, Reiner: *See—*

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  Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Krebs, Andreas; Schwamborn, Michael; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,865,641, Cl. 71-90.000.

  Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,871,387, Cl. 71-92.000.

Fischer, Richard J.; and Swanson, Douglas J., to Gates Rubber Company, The. Base isolation pad. 4,887,788, 12-19-89, Cl. 248-562.000.

Fischer, Richard L.: *See—*

  Caveny, Jack E.; Bulanda, John J.; Fischer, Richard L.; Stroede, Andrew J., and Wiencek, Donald C., 4,875,881, Cl. 439-535.000.

  Murry, Roger P.; Silver, Alexander; and Fischer, Richard L. 4,835,979, Cl. 62-172.000.

Fischer, Robert G.: *See—*

  Chang, Laurence W.; and Fischer, Robert G., 4,863,636, Cl. 252-542.000.

Fischer, Robert J. Digital chess clock. 4,884,255, 11-28-89, Cl. 368-96.000.

Fischer, Roland, to Dr. Johannes Heidenhain GmbH. Incremental or absolute rotation encoder with a clamping device. 4,806,752, 2-21-89, Cl. 250-231.0SE.

Fischer, Rolf; and Schulz, Bernhard, to BASF Aktiengesellschaft. Preparation of 4-monoacetals of 2-methylbut-2-ene-1,4-dial. 4,804,786, 2-14-89, Cl. 568-591.000.

Fischer, Rolf; Hoelderich, Wolfgang; and Sauerwald, Manfred, to BASF Aktiengesellschaft. Preparation of 3-pentenoates from 2-pentenoates. 4,845,269, 7-4-89, Cl. 560-205.000.

Fischer, Rolf; Frank, Juergen; Merger, Franz; Roeper, Michael; and Vagt, Uwe, to BASF Aktiengesellschaft. Preparation of 2(5H)-furanones. 4,853,473, 8-1-89, Cl [illegible]4-326.000.

Fischer, Rolf; Merger, Franz; and Gosch, Hans-Juergen, to BASF Aktiengesellschaft. Isomerization of 2-pentenoates to 3-pentenoates. 4,874,889, 10-17-89, Cl. 560-205.000.

Fischer, Rolf: *See—*

  Becker, Rainer; Eckhardt, Heinz; Fischer, Rolf; Spiegler, Wolfgang; and Vagt, Uwe, 4,837,346, Cl. 549-425.000.

  Hoelderich, Wolfgang; Fischer, Rolf; Hertel, Otto; Mross, Wolf D.; and Weitz, Hans-Martin, 4,806,679, Cl. 560-262.000.

  Merger, Franz; Fischer, Rolf; and Horler, Hans, 4,873,362, Cl. 560-238.000.

  Merger, Franz; Frank, Juergen; Vagi, Uwe; and Fischer, Rolf, 4,879,406, Cl. 560-211.000.

  Schulz, Bernhard; and Fischer, Rolf, 4,843,171, Cl. 560-262.000.

  Spiegler, Wolfgang; Goetz, Norbert; Sauerwald, Manfred; Dockner, Toni; and Fischer, Rolf, 4,845,247, Cl. 549-427.000.

Fischer, Roman; Koob, Knut; and Loecher, Friedrich, to BASF Aktiengesellschaft. Stabilization of zineb. 4,824,864, 4-25-89, Cl. 514-494.000.

Fischer, Roman; and Mueller, Herbert, to BASF Aktiengesellschaft. Preparation of trialkylamines. 4,851,578, 7-25-89, Cl. 564-479.000.

Fischer, Roman: *See—*

  Mueller, Herbert; Fischer, Roman; Jeschek, Gerhard; and Schoenleben, Willibald, 4,851,580, Cl. 564-479.000.

Fischer, Ronald H.; LaPierre, Rene B.; Shih, Stuart S.; and Varghese, Philip, to Mobil Oil Corporation. Production of high octane gasoline. 4,828,677, 5-9-89, Cl. 208-89.000.

Fischer, Rudolf: *See—*

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Fischer, Russ: *See—*

  Morkoc, Hadis; and Fischer, Russ, 4,872,046, Cl. 357-60.000.

Fischer, Sandra K.: *See—*

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  Snow, Robert A.; McGuckin, Hugh G.; Ponticello, Ignazio S.; Daly, Robert C.; Pace, Laurel J.; Fischer, Sandra K.; and Hanrahan, Michael J., 4,876,167, Cl. 430-7.000.

Fischer, Siegfried: *See—*

  Kriefall, Horst; Rohrbach, Helmut; and Fischer, Siegfried, 4,824,092, Cl. 271-183.000.

Fischer, Thomas R., to Allied Products Corporation. Dual auger manure spreader. 4,801,085, 1-31-89, Cl. 239-1.000.

Fischer, Torkel I. Hypersensitivity test means. 4,836,217, 6-6-89, Cl. 128-743.000.

Fischer, Udo K. R.; Hartzell, Erik T.; and Akerman, Jan G. H., to Santrade Limited. Cemented carbide body with a binder phase gradient and method of making the same. 4,820,482, 4-11-89, Cl. 419-15.000.

Fischer, Ulf; Schneider, Fernand; and Widmer, Ulrich, to Hoffmann-La Roche Inc. Tricyclic pyridone derivatives. 4,855,297, 8-8-89, Cl. 514-248.000.

Fischer, Ulf; Schneider, Fernand; and Widmer, Ulrich, to Hoffmann-La Roche Inc. Tricyclic pyridine derivatives. 4,889,848, 12-26-89, Cl. 514-212.000.

Fischer, Volker: *See—*

  Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, 4,857,103, Cl. 71-94.000.

Fischer, Walter; and Suss, Christian, to U. S. Philips Corporation. Radio receiver. 4,802,238, 1-31-89, Cl. 455-188.000.

Fischer, Walter: *See—*

  Duthaler, Rudolf; Finter, Jurgen; Fischer, Walter; and Ramanathan, Visvanathan, 4,855,064, Cl. 260-377.000.

  Finter, Jurgen; Fischer, Walter; and Lohse, Friedrich, 4,849,533, Cl. 549-556.000.

Fischer, Werner: *See—*

  Bebermeier, Jurgen; Fischer, Werner; Heitzig, Jurgen; and Eberhard, Gunter, 4,811,934, Cl. 267-140.100.

Fischer, Wilhelm, to Unilever Patent Holdings B.V. Process for erecting and closing a folding carton and apparatus for carrying out this process. 4,815,254, 3-28-89, Cl. 53-456.000.

Fischer, William C.: *See—*

  Murphy, Richard D.; and Fischer, William C., 4,890,284, Cl. 371-9.100.

Fischer, Wolfgang; Arlt, Edda; and Krenn, Karl D., to Merck Patent Gesellschaft Mit Beschrankter Haftung. Solvent composition for the determination of water by the Karl Fischer method. 4,851,352, 7-25-89, Cl. 436-42.000.

Fischer, Wolfgang; and Krenn, Karl D., to Merck Patent Gesellschaft mit Beschrankter Haftung. Solvent and method for the Karl-Fischer determination of water. 4,874,709, 10-17-89, Cl. 436-42.000.

Fischer, Wolfgang: *See—*

  Klie, Wolfgang; Fischer, Wolfgang; Tomforde, Johann; Kleiner, Horst; and Ellenrieder, Gunther, 4,826,226, Cl. 293-120.000.

  Kohler, Winfried R.; Wagner, Herbert; and Fischer, Wolfgang, 4,863,650, Cl. 264-39.000.

  Stober, Reinhard; Fischer, Wolfgang; Huss, Michael; and Udluft, Klaus, 4,812,257, Cl. 252-182.320.

Fischerwerke Artur Fischer GmbH & Co. KG: *See—*

  Fischer, Artur, 4,815,904, Cl. 409-190.000.

  Fischer, Artur, 4,842,461, Cl. 411-55.000.

  Nehl, Wolfgang, 4,830,316, Cl. 248-27.100.

  Nehl, Wolfgang, 4,847,738, Cl. 362-200.000.

  Nehl, Wolfgang, 4,875,578, Cl. 206-309.000.

Fischhof, Josef; and Hartmann, Manfred, to Leybold Aktiengesellschaft. Method and apparatus for the sintering and condensation of ceramic compacts. 4,830,607, 5-16-89, Cl. 432-5.000.

Fischle, Rudiger, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Airborne sound sealing means for an opening for a gear shifting assembly. 4,817,968, 4-4-89, Cl. 277-226.000.

Fischli, Albert; Schmid, Max; and Schmid, Rudolf, to Hoffmann-La Roche Inc. Isoprene derivatives. 4,827,004, 5-2-89, Cl. 549-374.000.

Fischman, Alan J.: *See—*

  Cort, Joseph H.; and Fischman, Alan J., 4,829,051, Cl. 514-11.000.

Fischman, Harry H. Tamper proof bottle neck insert, inductively welded to a plastic bottle. 4,811,856, 3-14-89, Cl. 215-250.000.

Fish, Aaron M.; Matzeld, Leon; Branwer, Alexander; Miresmaili, Masoud; and Dausseine, Sean-Paul, to Ilco Unican Inc. Lock actuator assembly and card reader. 4,861,083, 8-29-89, Cl. 292-347.000.

Fish, Dale R.: *See—*

  Mendel, Frank C.; Fish, Dale R.; Tanski, William, Jr.; and Kell, Robert E., 4,863,157, Cl. 272-73.000.

Fish, Elson B.: *See—*

  Shobert, James P.; and Fish, Elson B., 4,857,124, Cl. 156-149.000.

Fish, Gordon E.: *See—*

  Hasegawa, Ryusuke; and Fish, Gordon E., 4,834,814, Cl. 148-304.000.

  Hasegawa, Ryusuke; and Fish, Gordon E., 4,834,816, Cl. 148-304.000.

Fish, Hugh R. A., to Microfloor Systems Limited. Access floor construction. 4,883,503, 11-28-89, Cl. 52-220.000.

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  Bishop, Thomas P.; Davis, Mark H.; Fish, Robert W.; Peterson, James S.; and Surratt, Grover T., 4,811,216, Cl. 364-200.000.

  Bishop, Thomas P.; Fish, Robert W.; Peterson, James S.; and Tuvell, Walter E., Jr., 4,849,877, Cl. 364-200.000.

Fishbein, Richard: *See—*

  Steber, William; Fishbein, Richard; and Cady, Susan M., 4,837,381, Cl. 424-502.000.

Fishbine, Glenn M.; Ransom, Mark S.; and Germann, Daniel E., to C.F.A. Technologies, Inc. Methods for digitally noise averaging and illumination equalizing fingerprint images. 4,811,414, 3-7-89, Cl. 382-52.000.

Fishburn, John D., to Combustion Engineering, Inc. Mill exhaust system. 4,798,344, 1-17-89, Cl. 241-79.100.

Fishburn, John P.: *See—*

  Dunlop, Alfred E.; and Fishburn, John P., 4,827,428, Cl. 364-491.000.

Fisher, Abraham; Hanin, Israel; and Abraham, Donald J., to University of Pittsburgh. Tritium labelled N-mustard type compounds and a process for their production. 4,795,627, 1-3-89, Cl. 424-1.100.

Fisher, Abraham; Karton, Ishai; Heldman, Eliahu; Levy, Aharon; and Grunfeld, Yona, to State of Israel, Israel Institute for Biological Research. Derivatives of quinuclidine. 4,855,290, 8-8-89, Cl. 514-278.000.

Fisher, Abraham; and Karton, Ishai, to State of Israel, Israel Institute of Biological Research. Oxathiolanes. 4,876,260, 10-24-89, Cl. 514-278.000.

Fisher, Alan R., to Ford Motor Company. Self unloading pump circuit for an automatic transmission having multiple pressure supply pumps. 4,850,813, 7-25-89, Cl. 417-288.000.

Fisher, Almon P.; and Drake, Donald J., to Xerox Corporation. Fabricating process for large array semiconductive devices. 4,851,371, 7-25-89, Cl. 437-226.000.

Fisher, Almon P.: *See—*

  Kneezel, Gary A.; Drake, Donald J.; and Fisher, Almon P., 4,864,329, Cl. 346-140.00R.

Fisher, Angus C.; and Andrews, William J. Timber mill. 4,817,478, 4-4-89, Cl. 83-35.000.

Fisher, Arthur D., to United States of America, Navy. Adaptive associative-processing optical computing architectures. 4,862,406, 8-29-89, Cl. 364-807.000.

Fisher, Brian A., to Tridon Limited. Aerodynamic windshield wiper. 4,852,206, 8-1-89, Cl. 15-250.420.

Fisher, Brian A., to Tridon Limited. Blister package. 4,854,450, 8-8-89, Cl. 206-469.000.

Fisher, Celia E.; and Forfitt, Roy, to Stewart Hughes Limited. Monitoring of foreign object ingestion in engines. 4,888,948, 12-26-89, Cl. 60-223.000.

Fisher, Charles H.; and DiFaccio, Mark A., to Spectra-Physics, Inc. Method and apparatus for preionizing a self-sustained gas discharge device. 4,813,053, 3-14-89, Cl. 372-86.000.

Fisher, Christopher E.: *See—*

  Krajewski, John J.; Bishop, Timothy E.; Coady, Clive J.; Zimmerman, John M.; Noren, Gerry K.; and Fisher, Christopher E., 4,806,574, Cl. 522-96.000.

- Fisher Controls International, Inc.: *See—*
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  - Davis, James R.; and Wilson, Robert T., 4,886,241, Cl. 251-214.000.
  - Dombrowski, Ferdinand; and Forster, Dieter, 4,836,011, Cl. 73-4.00R.
  - Hutchens, Wilbur D.; Berry, Robert F.; and Leger, Kurt J., 4,846,213, Cl. 137-241.000.
  - Lloyd, Sheldon G., 4,878,385, Cl. 73-704.000.
  - Rice, Donald D.; and Hood, Mark E., 4,842,013, Cl. 137-484.400.
  - Rice, Donald D.; Hawkins, James C.; and Hall, Stanley D., 4,889,158, Cl. 137-484.400.
  - Walton, Herbert H.; and Grabenbauer, Philip L., 4,813,648, Cl. 251-304.000.
- Fisher, Daniel J., Jr., to BTU Engineering Corporation. Boat transfer and queuing furnace elevator and method. 4,872,799, 10-10-89, Cl. 414-180.000.
- Fisher, David A., to STC PLC. Data transmission system. 4,878,232, 10-31-89, Cl. 375-111.000.
- Fisher, David F.; and Sprankle, David A., to North American Philips Corporation. Thermostat for board mounting. 4,795,997, 1-3-89, Cl. 337-380.000.
- Fisher, David H. Cursor control accessory for a computer keyboard. 4,825,019, 4-25-89, Cl. 200-6.00A.
- Fisher, David J., to Electric Power Research Institute, Inc. Chemical test kit for detecting impurities in an oil sample. 4,873,056, 10-10-89, Cl. 422-61.000.
- Fisher, David O.: *See—*
  - Kalota, Dennis J.; McConaghy, John S., Jr.; Fisher, David O.; and Zielinski, Ronald E., 4,871,109, Cl. 228-180.100.
- Fisher, David W.; Denny, Lee N.; and Furlong, Joseph T., to JG Furniture Systems, Inc. Electric terminal table. 4,805,538, 2-21-89, Cl. 108-7.000.
- Fisher, Donald C.: *See—*
  - Peterson, Richard W.; Fisher, Donald C.; and Luffy, John W., 4,824,543, Cl. 204-280.000.
- Fisher, Donald F. Compact, leveraged fork unit and device for supporting weighted objects upon pole shaped projections. 4,830,143, 5-16-89, Cl. 182-135.000.
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  - Bell, Robert L., 4,822,100, Cl. 297-367.000.
- Fisher, Edmund A.: *See—*
  - Moore, Norman B.; Parris, Joe P.; and Fisher, Edmund A., 4,865,356, Cl. 285-55.000.
- Fisher, Edward M.; and Sanocki, Stephen M., to Minnesota Mining and Manufacturing Company. Redeployable high temperature oil boom. 4,802,791, 2-7-89, Cl. 405-63.000.
- Fisher, Eugenia T.; and Best, William D., to Federal-Mogul Corporation. Non-deleterious dry film lubricant coating composition, rubber sealing element coated therewith; and method of. 4,808,323, 2-28-89, Cl. 252-15.000.
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- Fisher, Henry D.; McNeil, Kevin M.; Vercillo, Richard; and Lamoreaux, Richard D., to University of Arizona. Image viewing station for picture archiving and communications systems (PACS). 4,833,625, 5-23-89, Cl. 364-518.000.
- Fisher, Ian R.: *See—*
  - Comfort, John J.; Hayter, Paul A.; Kargathra, Dinesh; Mason, Brian R.; Turner, Graham N.; Fisher, Ian R.; and Bailey, John W., 4,807,161, Cl. 364-550.000.
- Fisher Industries, Inc.: *See—*
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- Fisher, James H.; and Jacoby, Philip, to Amoco Corporation. Method for determining the environmental stress cracking resistance of plastic articles. 4,829,839, 5-16-89, Cl. 73-866.000.
- Fisher, James M.: *See—*
  - Croucher, Meredith W., Jr.; Fisher, James M.; Letizia, Richard; Lutz, LeRoy A.; Makowski, Ralph F.; Moyse, Richard L.; Osgood, Richard W.; Rave, John N.; Wickwire, Ward A.; and Zillmer, James F., 4,863,303, Cl. 403-11.000.
- Fisher, Jeffrey A., to United Technologies Corporation. Passive control assembly for gliding device. 4,865,274, 9-12-89, Cl. 244-152.000.
- Fisher, Jeffrey A.: *See—*
  - Craig, Preston S.; and Fisher, Jeffrey A., 4,815,782, Cl. 294-119.300.
- Fisher, John: *See—*
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  - Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,875,277, Cl. 29-606.000.
- Fisher, John M., to B. F. Goodrich Company, The. Single piece evacuation system for aircraft or the like. 4,846,422, 7-11-89, Cl. 244-137.200.
- Fisher, John R.; Guth, Leslie A.; and Mahler, James A., to American Telephone and Telegraph Company. Method and apparatus for applying flux to a substrate. 4,821,948, 4-18-89, Cl. 228-223.000.
- Fisher, John R.; Guth, Leslie A.; and Mahler, James A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for applying flux to a substrate. 4,871,105, 10-3-89, Cl. 228-33.000.
- Fisher, Kathryn E.: *See—*
  - Fahnestock, Stephen R.; and Fisher, Kathryn E., 4,828,994, Cl. 435-172.300.
- Fisher, Larry C. Water ski. 4,867,721, 9-19-89, Cl. 441-68.000.
- Fisher, Leo, to Crest-Foam Corporation. Supporting bed for sheet material cutting machine and method of manufacture. 4,850,579, 7-25-89, Cl. 269-21.000.
- Fisher, Leo: *See—*
  - Cope, Richard P.; and Fisher, Leo, 4,886,626, Cl. 252-500.000.
  - Mozieka, Michael; and Fisher, Leo, 4,828,238, Cl. 269-21.000.
- Fisher, Lynn E.; Wandler, Richard A.; and Frank, James P., to General Electric Company. Method of assembling a switch device with a supporting means thereof. 4,856,182, 8-15-89, Cl. 29-622.000.
- Fisher, Lynn E., to General Electric Company. Method of assembling a dynamoelectric machine. 4,858,303, 8-22-89, Cl. 29-596.000.
- Fisher, Mark C., to Tideland Signal Corporation. Pulse width modulated switching power supply. 4,849,868, 7-18-89, Cl. 363-21.000.
- Fisher, Mark J., to Sundstrand Corp. Apparatus and method for filtering a fluid. 4,851,135, 7-25-89, Cl. 210-791.000.
- Fisher, Martin, to Fisher Industries, Inc. Toy. 4,869,704, 9-26-89, Cl. 446-486.000.
- Fisher, Michael E.; Moxham, Patricia A.; and Bradshaw, Brian W., to Healthcare Technological Resources, Inc. Bowel control probe and method for controlling bowel incontinence. 4,813,422, 3-21-89, Cl. 128-634.000.
- Fisher, Michael G.: *See—*
  - Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; Finn, Peter J.; and Fisher, Michael G., 4,814,827, Cl. 355-37.000.
  - Powers, Stephen R.; Finn, Peter J.; and Fisher, Michael G., 4,816,378, Cl. 430-301.000.
- Fisher, Michael H.: *See—*
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- Fisher, Murray M.: *See—*
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- Fisher, Patrick; Stifelman, Jack; Connelly, John F.; Theisen, Jeff J.; and Fisher, Patrick, to Donaldson Company, Inc. Relief valve assembly, piston member from same and filter head assembly incorporating same. 4,883,083, 11-28-89, Cl. 137-110.000.
- Fisher, Patrick: *See—*
  - Fisher, Patrick; Stifelman, Jack; Connelly, John F.; Theisen, Jeff J.; and Fisher, Patrick, 4,883,083, Cl. 137-110.000.
- Fisher, Patrick W.; and Hagen, James P., Jr., to Nova Technologies Inc. Driveway truck restraining apparatus. 4,818,170, 4-4-89, Cl. 414-401.000.
- Fisher, Paul C.: *See—*
  - Fisher, Paul C., Jr.; Van Der Meer, Wiebe H.; and Fisher, Paul C., 4,881,088, Cl. 346-140.00R.
- Fisher, Paul C., Jr.; Van Der Meer, Wiebe H.; and Fisher, Paul C. Plotter pen ink level detector. 4,881,088, 11-14-89, Cl. 346-140.00R.
- Fisher, Paul J.: *See—*
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  - Smith, Dennis E.; Williams, John J. A.; Duncan, Gerald D.; Thomas, Graeme D.; Borrows, John G.; and Shacklock, Frank W., 4,813,248, Cl. 68-23.700.
  - Smith, Dennis E.; Williams, John J. A.; Duncan, Gerald D.; Thomas, Graeme D.; Borrows, John G.; and Shacklock, Frank W., 4,853,571, Cl. 310-90.000.
  - Ward, Derek; and Steward, David B., 4,802,116, Cl. 364-900.000.
- Fisher, Peter A., to Varian Associates, Inc. Compensated scan wave form generator for ion implantation equipment. 4,851,693, 7-25-89, Cl. 250-492.300.
- Fisher, Robert D.; and Pressesky, Jason L., to Seagate Technology, Inc. Non-destructive method and apparatus using DC erase field for magnetic measurement of recording disc. 4,847,558, 7-11-89, Cl. 324-212.000.
- Fisher, Roneldo L.: *See—*
  - Haeberle, Ronald M., Jr.; Smith, Gaylord D.; Weber, John H.; Fisher, Roneldo L.; Gaul, David J.; and Hinze, Jay W., 4,877,435, Cl. 65-1.000.
- Fisher/Sauls Electronics, Inc.: *See—*
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- Fisher Scientific Company: *See—*
  - Brigati, David J., 4,798,706, Cl. 422-102.000.
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  - Cuomo, Carlo; and Brigati, David J., 4,801,431, Cl. 422-104.000.
  - Geiselman, Theodore S.; and Rasmussen, James, 4,844,872, Cl. 422-100.000.
  - Lentz, David; and Bartholomew, Victor L., 4,850,980, Cl. 604-248.000.
  - Lentz, David; Wilson, Larry; and Deckert, Curt, 4,857,050, Cl. 604-67.000.
  - Meijer, Robert S., 4,859,927, Cl. 323-284.000.

  - Musacchio, John; Bergkuist, Carolyn; Manzoni, Angelo; and Premoli, Pietro, 4,870,024, Cl. 436-74.000.
  - Pellegrino, Ernest N., 4,822,569, Cl. 422-103.000.
  - Qureshi, Humayun; Liffmann, Stanley M.; Webster, Milo E.; and Geiselman, Theodore S., 4,859,422, Cl. 422-81.000.
  - Rasmussen, James; and Geiselman, Theodore S., 4,844,870, Cl. 422-68.000.
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- Fisher Scientific Group Inc.: *See—*
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- Fisher, Stanley C., administrator: *See—*
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- Fisher, Theodore F., to Union Carbide Corporation. Process to recover hydrogen-free higher boiling synthesis gas component. 4,805,414, 2-21-89, Cl. 62-28.000.
- Fisher, Thomas A., to Shipley Company Inc. Reticulation resistant photoresist coating. 4,873,176, 10-10-89, Cl. 430-313.000.
- Fisher, Vladimir J.: *See—*
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- Fisher, Wayne G.; Bennett, Tommy J.; Davis, Cecil J.; and Matthews, Robert T., to Texas Instruments Incorporated. Processing apparatus. 4,832,779, 5-23-89, Cl. 156-345.000.
- Fisher, Wayne G., to Texas Instruments Incorporated. Processing apparatus for wafers. 4,857,132, 8-15-89, Cl. 156-345.000.
- Fisher, Wayne G., to Texas Instruments Incorporated. Integrated circuit planarization by mechanical polishing. 4,879,258, 11-7-89, Cl. 437-225.000.
- Fisher, Wayne G.: *See—*
  - Davis, Cecil J.; Matthews, Robert T.; and Fisher, Wayne G., 4,830,700, Cl. 156-345.000.
- Fisher, Wesley. Earthquake safety valve shut-off. 4,860,780, 8-29-89, Cl. 137-45.000.
- Fisher, William. Tamper resistant containers. 4,830,206, 5-16-89, Cl. 215-209.000.
- Fisher, William: *See—*
  - Carpenter, Thomas L.; Fisher, William; and Smith, Thomas A., 4,880,645, Cl. 426-89.000.
- Fisher, William B.: *See—*
  - Khonsari, Ali M.; Chen, Jamin; Suciu, George D.; Fisher, William B.; and Crescentini, Lamberto, 4,851,086, Cl. 203-38.000.
- Fisher, William D.; and Mujtaba, M. Shahid, to Hewlett-Packard Company. Method for coordinated control of motion devices. 4,864,205, 9-5-89, Cl. 318-568.110.
- Fisher, William F., to Fisher Gauge Limited. Clamping connector. 4,869,614, 9-26-89, Cl. 403-8.000.
- Fisher, William H.; Stott, William R.; Thomson, Bruce A.; and Weisz-Margulescu, Adam, to MDS Health Group Limited. Method and apparatus for trace sample collection. 4,819,477, 4-11-89, Cl. 73-23.000.
- Fisher, William M., to Texas Instruments Incorporated. Method for transforming symbolic data. 4,811,400, 3-7-89, Cl. 381-44.000.
- Fisher, William M.; McMahan, Michael L.; Doddington, George; and Bocchieri, Enrico L., to Texas Instruments Incorporated. Speech recognition system. 4,882,757, 11-21-89, Cl. 381-43.000.
- Fisherman, Carl, to Photo Audio Consumer Electronics Marketing Corp. Integral calculator and address book. 4,796,214, 1-3-89, Cl. 364-705.010.
- Fishers of Men Corp.: *See—*
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- Fishing Designs, Inc.: *See—*
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- Fishkin, Theodore S.; Skidmore, Mark; and Dimitrijevic, Peter, to Hughes Aircraft Company. Antenna test and measurement system. 4,884,078, 11-28-89, Cl. 342-360.000.
- Fishkin, Theodore S.: *See—*
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- Fishler, Mark K., to Vesuvius Crucible Company. Ladle shroud with co-pressed gas permeable ring. 4,836,508, 6-6-89, Cl. 266-220.000.
- Fishler, Mark K.; and Hoggard, Dale B., to Vesuvius Crucible Company. Carbon bonded refractory bodies. 4,871,698, 10-3-89, Cl. 501-97.000.
- Fishler, Theodor M.: *See—*
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- Fishman, Edward: *See—*
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- Fishman, Erwin; Kraft, Morton L.; and Coleman, William B., to TRW Inc. Oxidation resistant fine metal powder. 4,833,040, 5-23-89, Cl. 428-570.000.
- Fishman, Jack; Arnold, John; Sherman, Fred; and Hsiao, Jane, to Baker Cummins Pharmaceuticals, Inc. Method of safely providing anesthesia or conscious sedation. 4,873,076, 10-10-89, Cl. 424-10.000.
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  - Park, Harry; and Fishman, Udi, 4,860,742, Cl. 128-303.00R.
- Fisk, Michael A.: *See—*
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- Fiske, John M.: *See—*
  - Kasiske, W. Charles, Jr.; and Fiske, John M., 4,797,708, Cl. 355-15.000.
- Fiske, Roger I.; King, John J.; and Adams, David G., to Keystone Foods Corporation. Mechanism for packaging hamburger patties. 4,827,692, 5-9-89, Cl. 53-244.000.
- Fisons Corporation: *See—*
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  - Chow, San-Laung; and Raghunathan, Yegnaswami, 4,859,461, Cl. 424-79.000.
  - Chow, San-Laung; and Raghunathan, Yegnaswami, 4,859,462, Cl. 424-79.000.
  - Georgiev, Vassil S.; and Mullen, George B., 4,871,862, Cl. 548-262.000.
  - Griffith, Ronald C., 4,871,872, Cl. 564-157.000.
  - Menendez, Rogelio; and Gorelick, Kenneth J., 4,882,170, Cl. 424-600.000.
  - Napier, James J.; and Griffith, Ronald C., 4,873,241, Cl. 514-237.800.
  - Wu, Edwin S.; and Kover, Alexander, 4,889,941, Cl. 549-403.000.
- Fisons plc: *See—*
  - Appleton, Richard A.; Dixon, John; and Burford, Sidney C., 4,803,216, Cl. 514-407.000.
  - Appleton, Richard A.; Burford, Sidney C.; Hardern, David N.; and Wilkinson, David, 4,810,719, Cl. 514-406.000.
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  - Burford, Sidney C.; and Hardern, David N., 4,824,859, Cl. 514-403.000.
  - Cox, David; Hall, David E.; Ingall, Anthony H.; and Suschitzky, John L., 4,851,419, Cl. 514-338.000.
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  - Edwards, Alan M.; and Foulds, Richard A., 4,866,072, Cl. 514-291.000.
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  - Ince, Francis; Springthorpe, Brian; and Dixon, John, 4,883,804, Cl. 514-357.000.
  - Nassim, Michael A.; and Raphael, Richard A., 4,849,427, Cl. 514-291.000.
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- Fissler GmbH: *See—*
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  - Wolf, Kurt; and Andre, Wolfram K., 4,803,344, Cl. 219-497.000.
  - Wolf, Kurt; and Andre, Wolfram, 4,828,166, Cl. 236-20.00A.
  - Wolf, Kurt; and Andre, Wolfram K., 4,839,503, Cl. 219-497.000.
  - Wolf, Kurt; and Andre, Wolfram K., 4,851,645, Cl. 219-464.000.
- Fissmann, Hans-Joachim; and Weiss, Hans, to J. M. Voith GmbH. Clamping head for winding cores. 4,809,922, 3-7-89, Cl. 242-68.300.
- Fissmann, Hans-Joachim: *See—*
  - Sollinger, Hans-Peter; Fissmann, Hans-Joachim; Weisz, Hans; Krautzberger, Franz, deceased; and Woehrle, Albert, deceased, 4,834,018, Cl. 118-410.000.
  - Weiss, Hans; Fissmann, Hans-Joachim; and Ruff, Hans-Albrecht, 4,795,106, Cl. 242-72.00R.
- Fister, Julius C.; Cherukuri, Satyam C.; Mahulikar, Deepak; and O'-Donnelly, Brian E., to Olin Corporation. Semiconductor die attach system. 4,872,047, 10-3-89, Cl. 357-67.000.
- Fister, Julius C.: *See—*
  - Ashok, Sankaranarayanan; Crane, Jacob; and Fister, Julius C., 4,822,693, Cl. 428-614.000.
- Fister, Louis P.; Fitch, Lawrence H.; and Pearson, Herby O., to Moog Automotive, Inc. Preloaded joint device. 4,871,276, 10-3-89, Cl. 403-162.000.
- Fister S.p.A: *See—*
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- Fitch, Clifford E., Jr. Food product ingredient dispensing apparatus. 4,801,097, 1-31-89, Cl. 241-34.000.
- Fitch, David J.: *See—*
  - Bishop, Thomas P.; Butvila, Jonas; Fitch, David J.; Hansen, Robert C.; Schmitt, David A.; and Surratt, Grover T., 4,823,256, Cl. 364-200.000.
- Fitch, Joseph P.: *See—*
  - Coyle, Edward J.; Gallagher, Neal C., Jr.; Bass, Steven C.; Fitch, Joseph P.; and Harber, Ronald G., 4,868,773, Cl. 364-724.010.
- Fitch, Lawrence H.: *See—*
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- Fitch, Rebecca: *See—*
  - Stumpf, Robert E.; and Stumpf, Robert W., 4,806,373, Cl. 426-266.000.
- Fitch, Richard C., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Telephone line carrier system. 4,807,225, 2-21-89, Cl. 370-71.000.
- Fitch, Robert C.: *See—*
  - Michalopoulos, Panos G.; Fundakowski, Richard A.; Geokezas, Meletios; and Fitch, Robert C., 4,847,772, Cl. 364-436.000.

Fitch, Thomas J.; Goins, Neal R.; and Spratt, Ray S., to Mobil Oil Corporation. Method for estimating shear wave reflection data from acquired compressional wave reflection data. 4,858,202, 8-15-89, Cl. 367-75.000.
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Fite, Wade L.; and Ketkar, Suhas N., to Extrel Corporation. Collision cell for triple quadrupole tandem mass spectrometry. 4,814,613, 3-21-89, Cl. 250-292.000.
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Fitts, Frederick L.: *See—*
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Fitts, James; and Penniston, William. Low level voltage programmable logic control. 4,866,557, 9-12-89, Cl. 361-96.000.
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Fitz, John L., to U.S. Government as represented by Director, National Security Agency. Planar optical logic. 4,825,442, 4-25-89, Cl. 372-8.000.
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Fitzgerald, Brian F.; Nguyen, Kim Y. T.; and Nguyen, Son V., to International Business Machines Corporation. High density vertically structured memory. 4,811,067, 3-7-89, Cl. 357-23.600.
Fitzgerald, David J.: *See—*
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Fitzgerald, Francis D., to Foster Wheeler Energy Corporation. Air flow measurement device for fluidized bed reactor. 4,865,540, 9-12-89, Cl. 431-89.000.
Fitzgerald, Frederick P. Automatic control of work platforms. 4,869,341, 9-26-89, Cl. 182-19.000.
Fitzgerald, James J.; and Demas, Nickolas P., to Cooper Industries, Inc. Lamp with plastic base. 4,795,373, 1-3-89, Cl. 439-619.000.
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Fitzgerald, William J., Jr.; and Glemser, Raymond G., II, to International Business Machines Corp. 3D Dimensioning in computer aided drafting. 4,855,939, 8-8-89, Cl. 364-522.000.
Fitzgerald, William M., Jr.; Petersen, Steven L.; and Waters, John G. Micropositionable piezoelectric contactor. 4,811,246, 3-7-89, Cl. 364-550.000.
Fitzgibbon, Jeremiah J., to Carbo Ceramics Inc. Sintered spherical pellets containing clay as a major component useful for gas and oil well proppants. 4,879,181, 11-7-89, Cl. 428-402.000.
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Fitzpatrick, Mark E.; Chan, Yat-Sum; and Gouldsberry, Gary R., to Gazelle Microcircuits, Inc. ECL to TTL circuit. 4,868,427, 9-19-89, Cl. 307-475.000.
Fitzpatrick, Mark E.; Gouldsberry, Gary R.; Chan, Yat-Sum; and Pang, Richard F., to Gazelle Microcircuits, Inc. Logic circuit resistant to errors due to supply fluctuations. 4,871,931, 10-3-89, Cl. 307-491.000.
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Flaherty, Brian J., to Davey Roofing, Inc. Roofing safety device. 4,852,692, 8-1-89, Cl. 182-231.000.
Flaherty, Edward H., to Texas Instruments Incorporated. Output buffer having programmable drive current. 4,855,623, 8-8-89, Cl. 307-475.000.
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- Flanagan, Richard J., to Merck & Co., Inc. Radiolabelling kit. 4,874,601, 10-17-89, Cl. 424-1.100.
- Flanagan, Robert M.; and Heenan, Sidney A., to Amerace Corporation. Depressible roadway marker. 4,854,768, 8-8-89, Cl. 404-11.000.
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- Flanigan, David A.; Shimoda, Elwyn; and Stolhand, James E., to Conoco Inc. Low pressure hydrocyclone separator. 4,844,817, 7-4-89, Cl. 210-788.000.
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- Flanigen, Edith M.; Lok, Brent M. T.; Patton, Robert L.; and Wilson, Stephen T., to UOP. Process for the use of chromium-aluminum-phosphorus-oxide molecular sieve compositions. 4,851,106, 7-25-89, Cl. 208-46.000.
- Flanigen, Edith M.; Lok, Brent M. T.; Patton, Robert L.; and Wilson, Stephen T., to UOP. Germanium-aluminum-phosphorus-oxide molecular sieve compositions. 4,888,167, 12-19-89, Cl. 423-306.000.
- Flanigen, Edith M.: *See—*
  - Bedard, Robert L.; Vail, Lawrence D.; Wilson, Stephen T.; and Flanigen, Edith M., 4,880,761, Cl. 502-215.000.
  - Flank, William H.; Wilson, Stephen T.; Marte, Julio C.; and Flanigen, Edith M., 4,861,743, Cl. 502-214.000.
  - Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., 4,824,554, Cl. 208-46.000.
  - Lok, Brent M.; Cannan, Thomas R.; and Flanigen, Edith M., 4,842,836, Cl. 423-328.000.
  - Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., 4,846,956, Cl. 208-46.000.
  - Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,801,309, Cl. 55-35.000.
  - Lok, Brent M. T.; Vail, Lawrence D.; and Flanigen, Edith M., 4,822,478, Cl. 208-111.000.
  - Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,869,805, Cl. 208-111.000.
  - Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,880,520, Cl. 208-46.000.
  - Lok, Brent M. T.; Vail, Lawrence D.; and Flanigen, Edith M., 4,882,038, Cl. 208-111.000.
  - Mercer, William C.; Coughlin, Peter K.; McLeod, Donald, Jr.; and Flanigen, Edith M., 4,860,584, Cl. 73-336.500.
  - Mercer, William C.; Coughlin, Peter K.; McLeod, Donald, Jr.; and Flanigen, Edith M., 4,876,890, Cl. 73-336.500.
  - Wilson, Stephen T.; Woodard, Naomi A.; and Flanigen, Edith M., 4,799,942, Cl. 55-35.000.
  - Wilson, Stephen T.; and Flanigen, Edith M., 4,801,364, Cl. 208-108.000.
  - Wilson, Stephen T.; Woodard, Naomi A.; and Flanigen, Edith M., 4,861,457, Cl. 208-46.000.
- Flank, Hans P.; and Staehr, Peter R., to Gambro Lundia AB. Fluid monitor system. 4,838,865, 6-13-89, Cl. 604-118.000.
- Flank, William H.; Fethke, Walter P., Jr.; and Marte, Julio, to UOP. Process for preparing molecular sieve bodies. 4,818,508, 4-4-89, Cl. 423-328.000.
- Flank, William H.; Wilson, Stephen T.; Marte, Julio C.; and Flanigen, Edith M., to UOP. Process for the production of molecular sieves. 4,861,743, 8-29-89, Cl. 502-214.000.
- Flannagan, Stephen T., to Motorola, Inc. Redundancy for a block-architecture memory. 4,807,191, 2-21-89, Cl. 365-189.000.
- Flannagan, Stephen T.; and Voss, Peter H., to Motorola, Inc. Memory input buffer with hysteresis and dc margin. 4,807,198, 2-21-89, Cl. 365-230.000.
- Flannagan, William J.; Kern, Ronald M.; Kulakowski, John E.; and Wagner, Robert E., to International Business Machines Corporation. Modular data storage directories for large-capacity data storage units. 4,827,462, 5-2-89, Cl. 369-32.000.
- Flanner, Janet M.; and van der Putte, Paulus Z. A., to North American Philips Corporation, Signetics Division. Self-aligned metallization for semiconductor device and process using selectively deposited tungsten. 4,822,749, 4-18-89, Cl. 437-41.000.
- Flannery, Ann M.: *See—*
  - Copella, Robert A.; Flannery, Ann M.; Garrelts, David R.; and Krigers, Sandra I., 4,852,165, Cl. 380-24.000.
  - Pease, Kevin J.; Copella, Robert A.; and Flannery, Ann M., 4,837,426, Cl. 235-440.000.
- Flannery, Brian P.; Deckman, Harry W.; Eisenberger, Peter M.; and Roberge, Wayne G., to Exxon Research and Engineering Company. Apparatus for three dimensional tomography utilizing an electro-optic x-ray detector. 4,833,698, 5-23-89, Cl. 378-19.000.
- Flannery, Gene; Crouse, T. Blair; and Patterson, Wesley L., to Abatement Technologies, Inc.; and CPP, Inc. Asbestos containment bag with slide fastener closure. 4,883,329, 11-28-89, Cl. 312-1.000.
- Flaquet, Albert: *See—*
  - Aubert, Robert; and Flaquet, Albert, 4,867,874, Cl. 210-169.000.
- Flasche, Lee H.; and Sridhar, Narasi, to Haynes International, Inc. Tough weldable duplex stainless steel wire. 4,816,085, 3-28-89, Cl. 148-327.000.
- Flasck, Richard A.; Irwin, Benny; and Holmberg, Scott H., to Alphasil, Inc. Method of illuminating flat panel displays to provide CRT appearing displays. 4,842,378, 6-27-89, Cl. 350-345.000.
- Flasck, Richard A.: *See—*
  - Holmberg, Scott H.; and Flasck, Richard A., 4,820,222, Cl. 445-3.000.
- Flashinski, Stanley J., to S. C. Johnson & Son, Inc. Aqueous pyrethroid insecticidal formulations in polyvinyl chloride containers, and methods of producing such formulations that are stable. 4,851,438, 7-25-89, Cl. 514-531.000.
- Flashinski, Stanley J.: *See—*
  - Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., 4,823,506, Cl. 43-131.000.
  - Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., 4,841,669, Cl. 43-131.000.
- Flatau, Ralph: *See—*
  - Chou, Tzeyang J.; Ma, Marshall; Flatau, Ralph; and Elderbroom, Fred, 4,868,651, Cl. 358-111.000.
  - Flower, Ronald J.; Olsen, Robert W.; Van Ells, Michael A.; and Flatau, Ralph, 4,863,265, Cl. 356-41.000.
- Flaten, Nordahl T., to VTC Incorporated. Process for curing epoxy encapsulant on integrated circuit dice. 4,818,726, 4-4-89, Cl. 437-207.000.
- Flath, Robert A.: *See—*
  - McGovern, Terrence P.; Flath, Robert A.; and Cunningham, Roy T., 4,877,607, Cl. 424-84.000.
- Flathers, Charles E., Jr.: *See—*
  - Bambara, John D.; Flathers, Charles E., Jr.; Knaus, Dennis A.; and Palmieri, Gregory G., 4,836,814, Cl. 441-65.000.
- Flatiron Service Company: *See—*
  - Hummel, Daniel L., 4,821,464, Cl. 51-241.00S.
- Flatley, Robert; and Hobson, David, to Digital Equipment Corporation. Test fixture for tab circuits and devices. 4,839,587, 6-13-89, Cl. 324-158.00F.
- Flatman, Richard J., to Rolls-Royce PLC. Gas turbine engine. 4,881,367, 11-21-89, Cl. 60-39.070.
- Flaugher, David J.: *See—*
  - Hutcheson, J. Stanford; Lutz, Richard W.; Obrist, Paul A.; Flaugher, David J.; and Watts, Charles E., 4,889,132, Cl. 128-680.000.
- Flaugher, Jeffrey R.: *See—*
  - Enk, Allan T.; and Flaugher, Jeffrey R., 4,872,898, Cl. 65-287.000.
  - Herrington, Richard A.; Flaugher, Jeffrey R.; Borer, John W.; Woodward, Alan C.; and Greenhalgh, Geoffrey, 4,888,038, Cl. 65-114.000.
- Flaum, Charles; Galford, James E.; and Ducket, Steven W., to Schlumberger Technology Corporation. Method for determining formation characteristics with enhanced vertical resolution. 4,794,792, 1-3-89, Cl. 73-152.000.
- Flaum, Charles: *See—*
  - Ellis, Darwin V.; Flaum, Charles; and Scott, Hubert D., 4,816,674, Cl. 250-266.000.
- Flax, Arthur M. Camera lens cap holder. 4,814,806, 3-21-89, Cl. 354-295.000.
- Fleak, David S.; Rose, William H.; and Taylor, Attalee S., to AMP Incorporated. Floating mounting means for electrical connector assembly. 4,812,133, 3-14-89, Cl. 439-248.000.
- Fleak, David S.; Koegel, Keith S.; Long, William B.; Moist, Stanford C., Jr.; and Nauman, Warren D., to AMP Incorporated. Discrete cable assembly. 4,875,877, 10-24-89, Cl. 439-497.000.
- Flebbe, Werner, to Continental Aktiengesellschaft. Method and apparatus for receiving a tire. 4,843,871, 7-4-89, Cl. 73-146.000.
- Fleche, Guy: *See—*
  - Fuertes, Patrick; and Fleche, Guy, 4,845,208, Cl. 536-124.000.
- Fleche, Michel, to Robot Coupe S.A. Hopper for inserting foodstuffs into a food processor. 4,821,968, 4-18-89, Cl. 241-37.500.
- Fleck, Carl M. Method of producing a fiber-optical reflection sensor and sensor so produced. 4,805,985, 2-21-89, Cl. 350-96.290.
- Fleck, Gerald W., to TRW Inc. Voltage regulator for solar cell arrays. 4,812,737, 3-14-89, Cl. 323-271.000.
- Fleck, Harald, to U.S. Philips Corporation. Recording and/or reproducing apparatus. 4,796,117, 1-3-89, Cl. 360-96.500.

- Fleck, John A., to Champion International Corporation. Apparatus for feeding wood chips to a treatment bin. 4,867,846, 9-19-89, Cl. 162-246.000.
- Fleck, Philip B., to Arrow International Investment Corporation. Catheter shield and test structure. 4,834,710, 5-30-89, Cl. 604-171.000.
- Fleck, Robert G.: *See—*
  - Niehaus, Jeffrey A.; Fleck, Robert G.; Li, Stephen; and Strong, Bob D., 4,852,083, Cl. 370-58.000.
- Flecken, Peter, to Flowtec AG. Arrangement for generating natural resonant oscillations of a mechanical oscillating system. 4,801,897, 1-31-89, Cl. 331-65.000.
- Fleckenstein, Phillip P., to Berwind Corporation. Capacitance-type material level probe. 4,811,160, 3-7-89, Cl. 361-284.000.
- Fleckenstein, Phillip P., to Silomaster, Inc. Drop-weight material level indicator. 4,875,295, 10-24-89, Cl. 33-720.000.
- Fleckles, Karen: *See—*
  - Fleckles, Logan N.; and Fleckles, Karen, 4,841,899, Cl. 114-347.000.
- Fleckles, Logan N.; and Fleckles, Karen. Kayak, folding. 4,841,899, 6-27-89, Cl. 114-347.000.
- Fleenor, Charles R.; and Fleenor, Shirley A. Bowling hand and wrist support device. 4,846,473, 7-11-89, Cl. 273-54.00B.
- Fleenor, Shirley A.: *See—*
  - Fleenor, Charles R.; and Fleenor, Shirley A., 4,846,473, Cl. 273-54.00B.
- Fleer, Ernst O.; Landgraf, Hermann; and Schwarz, Werner, to Siemens Aktiengesellschaft. Socket to clampingly hold dental tools. 4,874,314, 10-17-89, Cl. 433-129.000.
- Fleet, George W. J.; Rademacher, Thomas W.; and Dwek, Raymond A., to Monsanto Company. Method of inhibiting virus. 4,849,430, 7-18-89, Cl. 514-315.000.
- Fleet, George W. J., to G. D. Searle & Co. Method for synthesis of deoxymannojirimycin. 4,861,892, 8-29-89, Cl. 546-219.000.
- Flect, Russell W.; Long, David C.; Stroms, Karl F.; and Weiss, Gerhard, to International Business Machines Corporation. Programmable magnetic repulsion punching apparatus. 4,821,614, 4-18-89, Cl. 83-100.000.
- Flegal, Robert T.: *See—*
  - Dolinar, Brian J.; Flegal, Robert T.; and Lewis, Larry L., 4,797,667, Cl. 340-781.000.
  - Gleason, Kimberly R.; Strid, Eric W.; Flegal, Robert T.; and McCamant, Angus J., 4,853,627, Cl. 324-158.00P.
- Flegal, William M.: *See—*
  - Baumgart, Jerry W.; D'Annessa, Anthony T.; Geyling, Franz T.; Flegal, William M.; and Miller, Thomas J., 4,820,322, Cl. 65-3.110.
- Flehr, Dietmar: *See—*
  - Popp, Franz-Wolfgang; and Flehr, Dietmar, 4,818,878, Cl. 250-507.100
- Fleig, Anita: *See—*
  - Gotz, Udo; Hoffmann, Dietrich; Fleig, Anita; and Armbruster, Adolf, 4,833,995, Cl. 102-521.000.
- Fleisch, Eugen: *See—*
  - Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disson, Arno; Moller, Hermann; Seel, Holger; Topfer, Claus; Nerger, Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, Cl. 280-756.000.
- Fleischanderl, Robert. Arrangement for mounting disk wheels on motor vehicles. 4,858,298, 8-22-89, Cl. 29-273.000.
- Fleischer, Dennis G.; Smola, Robert J.; and Draeger, James H., to Deere & Company. Transfer and quick change system. 4,819,554, 4-11-89, Cl. 100-224.000.
- Fleischer, Hans-Joachim; Lohscheidt, Klaus; Gorres, Dieter; and Behr, Friedrich, to Thyssen Aktiengesellschaft vorm August Thyssen-Hutte. Metallic semi-finished product, processes for its preparation and its use. 4,798,631, 1-17-89, Cl. 148-3.000.
- Fleischer, Hans-Joachim: *See—*
  - Bohnke, Kurt; Brandis, Helmut; Domalski, Hans-Heinrich; Fleischer, Hans-Joachim; and Frinken, Heinrich, 4,859,649, Cl. 502-439.000.
- Fleischer, Herman J.; and Bracken, John C., to Unisys Corporation. High accuracy frequency modulation waveform tester. 4,806,853, 2-21-89, Cl. 324-79.00R.
- Fleischer, Judit: *See—*
  - Takacs, Kalman; Ajzert, Ilona K.; Kellner, Katalin M.; Fleischer, Judit; Puskas, Mariann E.; and Rimai, Jozsef, 4,861,888, Cl. 546-150.000.
- Fleischhauer, Eugene T. Canister type vacuum cleaner. 4,809,395, 3-7-89, Cl. 15-327.00F.
- Fleischhauer, Grier S.; and Honaker, Ronald D., to Philip Morris Incorporated. Apparatus for forming annular grooves or slits in rod-shaped articles. 4,795,411, 1-3-89, Cl. 493-43.000.
- Fleischhauer, Grier S.: *See—*
  - Garthaffner, Martin T.; Keen, Billy J., Jr.; Fleischhauer, Grier S.; and Horaker, Ronald D., 4,817,638, Cl. 131-29.000.
- Fleischman, David L.: *See—*
  - Hautau, Charles F.; Schmidt, Michael W.; and Fleischman, David L., 4,801,240, Cl. 414-735.000.
- Fleischmann, Dale. Heat transfer unit. 4,885,017, 12-5-89, Cl. 62-6.000.
- Fleischmann, Gerald: *See—*
  - Eck, Herbert; Fleischmann, Gerald; Prasse, Alfred; and Kolbig, Kunigunde, 4,874,638, Cl. 427-222.000.
- Fleischmann, Lewis W., to Bloom, Leonard, a part interest. Model submarine. 4,826,465, 5-2-89, Cl. 446-162.000.
- Fleischner, Albert M., to Jaskiewicz, Edmund M. Keratin hydrolysate formulations and methods of preparation thereof. 4,818,520, 4-4-89, Cl. 424-61.000.
- Fleishman, Roc V.: *See—*
  - Pelka, David G.; Popovich, John M.; and Fleishman, Roc V., 4,836,862, Cl. 136-253.000.
  - Popovich, John M.; and Fleishman, Roc V., 4,795,319, Cl. 417-354.000.
  - Popovich, John M.; and Fleishman, Roc V., 4,843,659, Cl. 4-542.000.
  - Popovich, John M.; and Fleishman, Roc V., 4,858,254, Cl. 4-542.000.
- Fleiss, Hartmut W.: *See—*
  - Novak, Frank; and Fleiss, Hartmut W., 4,841,123, Cl. 219-125.120.
- Fleissner, Gerold, to Vepa Aktiengesellschaft. Dewatering device using suction removal of liquid. 4,805,425, 2-21-89, Cl. 68-20.000.
- Fleissner, Gerold, to Vepa Aktiengesellschaft. Crimping device for crimping of synthetic textile materials. 4,807,337, 2-28-89, Cl. 28-248.000.
- Fleissner, Gerold, to Fleissner Maschinenfabrik AG. Apparatus for flow-through treatment of textile material, paper, or the like. 4,811,574, 3-14-89, Cl. 68-5.00D.
- Fleissner, Gerold, to Fleissner GmbH & Co. Process for heat treatment of nonwovens. 4,812,284, 3-14-89, Cl. 264-555.000.
- Fleissner, Gerold, to VEPA Aktiengesellschaft. Bale wrapping device. 4,823,686, 4-25-89, Cl. 100-26.000.
- Fleissner, Gerold, to Vepa Aktiengesellschaft. Process and apparatus for compressing fibrous material into bales. 4,848,222, 7-18-89, Cl. 100-35.000.
- Fleissner GmbH & Co.: *See—*
  - Fleissner, Gerold, 4,812,284, Cl. 264-555.000.
- Fleissner, Heinz, to Vepa Aktiengesellschaft. Apparatus for finishing endless material with a padding device. 4,823,730, 4-25-89, Cl. 118-223.000.
- Fleissner, Hermut: *See—*
  - Bernstein, David M.; and Fleissner, Hermut, 4,860,741, Cl. 128-204.180.
- Fleissner, Manfred: *See—*
  - Herbrechtsmeier, Peter; Fleissner, Manfred; Groh, Werner; Heumuller, Rudolf; and Wieners, Gerhard, 4,863,236, Cl. 350-96.340.
- Fleissner Maschinenfabrik AG: *See—*
  - Fleissner, Gerold, 4,811,574, Cl. 68-5.00D.
- Fleming, Alvin R.: *See—*
  - Alten, Ralph W.; and Fleming, Alvin R., 4,828,361, Cl. 350-279.000.
- Fleming, Beverly M.: *See—*
  - McLaurin, Daniel A.; Fleming, Beverly M.; and O'Connell, James P., 4,812,293, Cl. 422-69.000.
- Fleming, Brent P.: *See—*
  - Wright, Richard B.; Vozenilek, Theodore M.; and Fleming, Brent P., 4,882,957, Cl. 81-121.100.
- Fleming, David F.; Kerlin, Harold W.; Pauza, William V.; and Sheesley, Wilmer L., to AMP Incorporated. Capacitive coupled connector. 4,884,982, 12-5-89, Cl. 439-620.000.
- Fleming, Dennis J., to Prince Corporation. Visor control. 4,824,160, 4-25-89, Cl. 210-17.400.
- Fleming, Donald K.: *See—*
  - Marianowski, Leonard G.; and Fleming, Donald K., 4,810,485, Cl. 423-648.100.
  - Weil, Sanford A.; Xiong, Tian-yu; and Fleming, Donald K., 4,828,481, Cl. 431-7.000.
- Fleming, Harry A., Jr.; Fosnaught, Edward F.; and Wehman, Robert L., to Pittsburgh Corning Corporation. Translucent end block. 4,852,321, 8-1-89, Cl. 52-306.000.
- Fleming, Henry C., III: *See—*
  - Matza, Stephen D.; Ellington, William E.; and Fleming, Henry C., III, 4,805,708, Cl. 175-40.000.
  - Matza, Stephen D.; Ellington, William E.; and Fleming, Henry C., III, 4,840,910, Cl. 436-30.000.
- Fleming, Hubert L.; Edd, Jon F.; Pearson, Alan; Chou, Chin-Liang; Kono, Hisashi O.; and Huang, Ching-Chung, to Aluminum Company of America. Producing alumina granules in a fluidized bed. 4,797,271, 1-10-89, Cl. 423-625.000.
- Fleming, Hubert L., to Aluminum Company of America. Method for removing acids from organophosphate functional fluids. 4,808,742, 2-28-89, Cl. 558-150.000.
- Fleming, Hubert L.: *See—*
  - Sood, Ajay; Fleming, Hubert L.; and Novak, John W., Jr., 4,824,576, Cl. 210-662.000.
- Fleming, James W.; Johnson, David W., Jr.; MacChesney, John B.; and Pardenek, Sandra A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method for fabricating articles which include high silica glass bodies. 4,872,895, 10-10-89, Cl. 65-18.100.
- Fleming, John T.: *See—*
  - Sorgi, Dennis M.; and Fleming, John T., 4,844,387, Cl. 248-1.00F.
- Fleming, Jon H.: *See—*
  - Nobles, Anthony A.; Nobles, Verne H.; Fleming, Jon H.; Terrell, Charles T.; and Lai, Alexander K., 4,820,167, Cl. 434-336.000.
- Fleming, Keith A. Beverage container holder. 4,886,183, 12-12-89, Cl. 220-85.00H.
- Fleming, Marc A.; and Porter, LaMonte D., to Hunter Industries. Multi-station assembly machine. 4,823,929, 4-25-89, Cl. 198-345.000.
- Fleming, Michael P.; Khatri, Hiralal N.; and Schloemer, George C., to Syntex (U.S.A.) Inc. Process for preparing (±)-2,3-dihydro-1H-pyrrolo[1,2-A]pyrrole-1,7-dicarboxylates. 4,849,526, 7-18-89, Cl. 548-453.000.

Fleming, Michael P.; Schloemer, George C.; and Khatri, Hiralal N., to Syntex (U.S.A.) Inc. Process for preparing [illegible] pyrrolo[1,2-a]pyrrole-1-carbo[illegible] and related compounds. 4,874,871, 10-17-89, Cl. 5[illegible].
Fleming, Michael P.; Khatri, Hiralal N.; and Schloemer, George C., to Syntex (U.S.A.) Inc. Process for preparing [illegible] pyrrolo[1,2-A]pyrrole-1,7-dicarboxylates. [illegible] Cl. 548-531.000.
Fleming, Michael P.: See—
  Khatri, Hiralal N.; Fleming, Michael P.; and Schloemer, George C., 4,835,288, Cl. 548-[illegible]
Fleming, Morris. Non-tobacco [illegible] and process for making same. 4,813,438, 3-[illegible]
Fleming, Paul D.; and Gaj[illegible] Window lock assembly. [illegible]
Fleming, Paul D.; and O'D[illegible] Manufacturing Inc. Door latch and deadbolt assembly. [illegible], 10-31-89, Cl. 70-379.00R.
Fleming, Randy G.: See—
  Bragg, Dale E.; Clark, Mark A.; and Fleming, Randy G., 4,886,367, Cl. 366-132.000.
Fleming, Raymond T., to GTE Products Corporation. Lamp construction and method of manufacture. 4,864,184, 9-5-89, Cl. 313-318.000.
Fleming, Stephen D.; and Lane, Martyn G., to Ford Motor Company. Mounting arrangement for a vehicle bumper. 4,838,593, 6-13-89, Cl. 293-126.000.
Fleming, Thomas W.; and Rose, Gary D., to Jensen General Corp. Quick connect-disconnect panel mounting means. 4,856,493, 8-15-89, Cl. 126-299.00R.
Fleming, William. Bingo chip dispenser. 4,830,375, 5-16-89, Cl. 273-148.00R.
Fleming, William H.: See—
  Dorn, Gordon L.; Fleming, William H.; and Knezek, Karen L., 4,847,128, Cl. 435-34.000.
Flemming, Douglas E.: See—
  Wagner, Wayne M.; and Flemming, Douglas E., 4,832,661, Cl. 474-69.000.
  Wagner, Wayne M.; Flemming, Douglas E.; Steinbrueck, Edward A.; and Hoppenstedt, Bruce B., 4,851,015, Cl. 55-20.000.
  Wagner, Wayner M.; and Flemming, Douglas E., 4,878,928, Cl. 55-466.000.
Flemming, J. Peter; and De[illegible], Robert J. Liquid dispenser. 4,878,601, 11-7-89, Cl. 222-137.000.
Flemming, Michael A.; and Plested, Graham N., to United Kingdom Atomic Energy Authority. Method and apparatus for thin layer monitoring. 4,818,930, 4-4-89, Cl. 324-58.50R.
Flemming, Michael A.; and Plested, Graham N., to United Kingdom Atomic Energy Authority. Microwave probe. 4,829,233, 5-9-89, Cl. 324-58.50C.
Flemming, Michael A.; and Plested, Graham N., to United Kingdom Atomic Energy Authority. Material characterization. [illegible], 9-12-89, Cl. 324-518.00C.
Flemming, Udo; and Bauer, Willi, to Puma AG Rudolf Dassler Sport. Heel counter for athletic shoe and footwear incorporating same. 4,821,430, 4-18-89, Cl. 36-68.000.
Flemming, Udo, to Puma AG Rudolf Dassler Sport. Gripping element for sports shoes and soles utilizing same. 4,833,796, 5-30-89, Cl. 36-134.000.
Flemming, Udo, to Puma AG Rudolf Dassler Sport. Sole for athletic shoes, particularly for soccer shoes. 4,858,343, 8-22-89, Cl. 36-128.000.
Flesche, Fred. Model automobile rim construction. 4,880,279, 11-14-89, Cl. 301-36.00R.
Flesher, Peter; Langley, John; Rosier, Norma; and Farrar, David, to Allied Colloids Ltd. Process and compositions for sizing paper. 4,859,720, 8-22-89, Cl. 523-332.000.
Flesher, Peter: See—
  Allen, Adrian S.; Farrar, David; and Flesher, Peter, 4,861,539, Cl. 264-204.000.
  Benn, Gerald; Farrar, David; and Flesher, Peter, 4,876,047, Cl. 562-41.000.
  Farrar, David; Flesher, Peter; and Benn, Gerald, 4,820,872, Cl. 564-128.000.
  Farrar, David; Flesher, Peter; Skinner, Malcolm; Clarke, John; Marshall, David; and Hawe, Malcolm, 4,880,858, Cl. 524-60.000.
  Field, John R.; Farrar, David; and Flesher, Peter, 4,820,645, Cl. 436-55.000.
  Johnson, Ian M.; Moody, Ian M.; and Flesher, Peter, 4,798,861, Cl. 524-458.000.
  Symes, Kenneth C.; and Flesher, Peter, 4,798,888, Cl. 536-123.000.
Flesher, Robert W.; Berninger, Mark S.; and Blakesley, Robert W., to Life Technologies, Inc. Pop up electrophoresis apparatus and method. 4,889,610, 12-26-89, Cl. 204-299.00R.
Fleshman Jr., William D., to AMP Incorporated. Vacuum seal for electrical connector. 4,886,471, 12-12-89, Cl. 439-587.000.
Flessas, James D., to MPC Industries, Inc. Bushings for joining rigid objects to flexible membranes. 4,802,792, 2-7-89, Cl. 405-53.000.
Flessate, Dennis S., to Modine Manufacturing Company. Multiple piece tube assembly for use in heat exchangers. 4,805,693, 2-21-89, Cl. 165-153.000.
Fletcher, Carl R.: See—
  Sarnoff, Norton; and Fletcher, Carl R., 4,817,812, Cl. [illegible]
  Sarnoff, Norton; and Fletcher, Carl R., 4,852,760, Cl. [illegible]
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  Peterson, Kirk E.; and Fletcher, Charles B., 4,844,605, Cl. 351-123.000.
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Fletcher, Frank E.: See—
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  [illegible]
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Fletcher, Grant W.: See—
  Bower, Robert W.; Pilon, Laurent C.; Fletcher, Grant W.; and Bower, Allan W., [illegible]
Fletcher, Gregory T.: See—
  Fletcher, Gerald L.; and Fletcher, Gregory T., [illegible], Cl. 175-93.000.
Fletcher, Harry J. Truck cargo rack. 4,869,628, 9-26-89, Cl. 410-100.000.
Fletcher, James C.; and Ross, Walter L., to United States of America National Aeronautics and Space Administration. Digitally controlled system for effecting and presenting a selected electrical resistance. 4,849,903, 7-18-89, Cl. 364-482.000.
Fletcher, James D. Bow-limb-operated pull-down arrow rest support. 4,803,971, 2-14-89, Cl. 124-41.00A.
Fletcher, James E.; Jackson, Eric C.; and McAnelly, Michael, to Texas Chemical Corporation. Method for testing and repairing synchronous motors. 4,813,115, 3-21-89, Cl. 29-596.000.
Fletcher, John E.; and Yale, William, to Amb-Rad Limited. Space heating appliance. 4,869,230, 9-26-89, Cl. 126-91.00A.
Fletcher, John W.: See—
  Davidson, Richard W.; and Fletcher, John W., 4,820,041, Cl. 356-1.000.
Fletcher, Justin. Crab opener apparatus. 4,802,260, 2-7-89, Cl. 17-76.000.
Fletcher, Keith, to United Technologies Corporation. Beam steering mirror construction. 4,854,687, 8-8-89, Cl. 350-486.000.
Fletcher, Melvern W.; and Wylie, David G., to Eaton Corporation. Extended range splitter type compound transmission. [illegible], 10-31-89, Cl. 74-745.000.
Fletcher, Paul J. Automobile window sill arm rest and sunscreen. 4,805,957, 2-21-89, Cl. 296-153.000.
Fletcher, Richard N. Robber deterrent apparatus. 4,841,792, 6-27-89, Cl. 109-20.000.
Fletcher, Robert. Object monitoring and alarm device. [illegible], 9-26-89, Cl. 340-568.000.
Fletcher, Robert E.: See—
  Graf, Hans-Juergen; Fletcher, Robert E.; Randike, Peter J.; [illegible] Bruce E.; and Monkowski, J. R., [illegible]
  Lipinski, Bruce A.; Schumacher, John C.; Howard, [illegible]; Randike, Peter J.; Sandy, Adrian; Fletcher, Robert E.; and Graf, Hans-Juergen, [illegible], Cl. 361-[illegible]
Fletcher, Robert L., to Vary, Inc. Automatic [illegible] transfer equipment. [illegible]
Fletcher, Roger L.: See—
  Crawford, Warren M.; and Fletcher, Roger L., [illegible], Cl. 272-96.000.
Fletcher, Sidney R.: See—
  Rhee, Dennis W.; and Fletcher, Sidney R., [illegible], Cl. 340-63.000.
Fletcher, Stephen R.: See—
  Taylor, Edward C.; Beardsley, George P.; Harrington, Peter J.; and Fletcher, Stephen R., 4,845,216, Cl. 544-279.000.
Fletcher Sutcliffe Wild Limited: See—
  Bower, Lewis R. B., 4,805,473, Cl. 74-361.000.
  Bower, Lewis R. B., 4,836,362, Cl. 198-854.000.
Fletcher-Terry Company, The: See—
  Kozyrski, Vincent T.; and Peters, Alan R., 4,798,112, Cl. 83-455.000.
  Kozyrski, Vincent T.; Peters, Alan R.; and Shaw, Ralph B., 4,809,849, Cl. 206-343.000.
  Kozyrski, Vincent T.; and Peters, Alan R., 4,867,023, Cl. 83-455.000.
  Kozyrski, Vincent T.; and Peters, Alan R., 4,871,158, Cl. 269-303.000.
Fletcher, Thomas D., to North American Philips Corporation, Signetics Division. Edge-sensitive dynamic switch. 4,874,971, 10-17-89, Cl. 307-605.000.
Fletcher, Thomas D.: See—
  Burton, Edward A.; Dike, Charles E.; and Fletcher, Thomas D., 4,825,108, Cl. 307-475.000.
Fletcher, Thomas E.: See—
  Avis, Graham M.; Fletcher, Thomas E.; and Saffee, Gregory T., 4,811,420, Cl. 455-51.000.
Fletcher, William E.; Ault, Charles M.; and Sawyer, Dennis O., to Termiflex Corporation. Modular packaging system, particularly for electronics. 4,823,952, 4-25-89, Cl. 206-328.000.
Fleury, Daniel, to Societe Anonyme dite: ALSTHOM. Method of assembling a rotor of a steam turbine constituted by disks threaded onto a shaft. 4,860,418, 8-29-89, Cl. 29-156.80R.
Fleury, Georges; and Epsztein, Bernard, to Thomson CSF. [illegible] reducer for microwave amplifier. 4,837,532, 6-6-89, Cl. [illegible]
Fleury, Georges: See—
  Duret, Robert; and Fleury, Georges, 4,798,993, Cl. [illegible]

[illegible]
Flexo-Co. Inc.: See—
  [illegible], Tom R.; and Quinn, Sharon A., [illegible], Cl. 422-[illegible]
Flexo-Castors & Wheels PLC: See—
  Tooth, Arthur C., [illegible], Cl. 16-37.000.
Flexi-Coil Limited: See—
  Friggstad, Terrance; and Hundeby, David R., 4,840,233, Cl. 172-311.000.
  Hundeby, David R., 4,858,832, Cl. 239-723.000.
  Summach, Terry; Park, Glen S.; Summach, Dennis; and Newton, William, 4,821,809, Cl. 172-179.000.
Flexi-Mat Corporation: See—
  Elesh, James N.; and Martelli, Arthur J., 4,843,666, Cl. 5-447.000.
Flexible Barricades, Inc.: See—
  Gorlov, Alexander M., 4,818,137, Cl. 404-6.000.
Flexible Computer Corporation: See—
  Matelan, M. Nicholas; Leete, Thomas G.; Zsohar, Leslie; Blanchard, Michael K.; Naeini, Abdolreza; Hsu, Jacob; and Smith, Dennis K., 4,870,704, Cl. 364-200.000.
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  Musil, Edward C., 4,815,587, Cl. 198-728.000.
Flexicom Systems Limited: See—
  Spencer, Arthur T., 4,874,318, Cl. 439-71.000.
Flexitallic Limited: See—
  Gee, Colin, 4,796,351, Cl. 29-455.100.
Flexivol, Inc.: See—
  Apfel, Fred, 4,861,360, Cl. 62-17.000.
Flexline Services Ltd.: See—
  de Jager, Gui G., 4,839,199, Cl. 427-185.000.
Flexman, Edmund A., Jr., to Du Pont de Nemours, E. I., and Company. Toughened polyoxymethylene compositions. 4,804,716, 2-14-89, Cl. 525-399.000.
Flexmark, Inc.: See—
  [illegible], 4,829,[illegible], Cl. 361-398.000.
Flexon, Inc.: See—
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[illegible], Inc.: See—
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Flick, Charles A.: See—
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[illegible] Ski binding device. [illegible], 7-25-89, Cl. 280-625.000.
Flick, Christopher E.: See—
  Evans, David A.; Flick, Christopher E.; and Sharp, William R., [illegible]
  Evans, David A.; Flick, Christopher E.; and Sharp, William R., 4,827,079, Cl. 800-1.000.
Flicker, Robert F.; and Fenstermacher, Scott, to East Penn Manufacturing Co., Inc. Recombinant electric storage battery. 4,873,157, 10-10-89, Cl. 429-57.000.
Flickinger, Edward C.: See—
  Callahan, Robert M.; Fiore, Anthony M.; Flickinger, Edward C.; Hempel, Bruce C.; and Whittance, Bruce E., 4,847,605, Cl. 340-709.000.
Flickinger, Steven L.; Gutterman, Pamela R.; and Hadley, Wayne B., to AMP Incorporated. LED and PIN diode characterization by producing a schematic profile of relative intensities. 4,808,816, 2-28-89, Cl. 250-227.000.
Flierl, Klaus; Pfenninger, Heinz; and Marfurt, Hans-Rudolf, to Ciba-Geigy Corporation. Separation and purification of pigment suspensions and suspensions of pigment intermediates by a membrane separation process. 4,810,390, 3-7-89, Cl. 210-650.000.
Fliermans, Carl B., to United States of America, Energy. Aerobic microorganism for the degradation of chlorinated aliphatic hydrocarbons. 4,877,736, 10-31-89, Cl. 435-183.000.
Flig, Alan Y.; and Regan, Paul. Earthquake utilities cut-off control system. 4,841,287, 6-20-89, Cl. 340-690.000.
Flight Dynamics, Inc.: See—
  Ford, Douglas W., 4,841,448, Cl. 364-433.000.
  Ford, Douglas W.; Johnson, Walter A.; and Daneshmandi, Shahram, 4,853,861, Cl. 364-424.060.
  Wood, Robert B.; Thomas, Mark A.; Valimont, James L.; Littell, H. Edward, Jr.; and Freeman, Glenn E., 4,842,389, Cl. 350-3.700.
Flikop, Arkady: See—
  Silverwater, Bernard F.; and Flikop, Arkady, 4,813,446, Cl. 137-198.000.
Flinchbaugh, Bruce E., to Texas Instruments Incorporated. Cursor control system. [illegible], 5-30-89, Cl. 340-709.000.
Flinchbaugh, Bruce E.; [illegible], Steven B.; Srivastava, Aditya; and [illegible], to Texas Instruments Incorporated. Apparatus and method for [illegible]
[illegible]
Fling, John J.; and Fling, William F. Apparatus and method for measuring liquid depth. 4,802,363, 2-7-89, Cl. 73-315.000.
Fling, John J., to Litton Systems, Inc. Fiber optic bidirectional data bus tap. 4,810,052, 3-7-89, Cl. 350-96.160.
Fling, Michael; and Puckett, William R., to Morton Thiokol, Inc. Membrane seal for application to pulsed rocket motor. 4,864,817, 9-12-89, Cl. 60-250.000.
Fling, Michael; and Puckett, William R., to Morton Thiokol, Inc. Membrane seal for application to pulsed rocket motors. 4,866,930, 9-19-89, Cl. 60-250.000.
Fling, Russell T.; and Willis, Donald H., to RCA Licensing Corporation. Signal combining circuitry. 4,882,62[illegible], 11-21-89, Cl. 358-166.000.
Fling, Russell T., to RCA Licensing Corporation. Sampled data phase locking system. 4,884,040, 11-28-89, Cl. 331-1.00A.
Fling, Russell T.: See—
  McNeely, David L.; and Fling, Russell T., 4,821,086, Cl. 358-22.000.
  McNeely, David L.; and Fling, Russell T., 4,890,162, Cl. 358-138.000.
  Romesburg, Eric D.; and Fling, Russell T., 4,864,399, Cl. 358-148.000.
Fling, William F.: See—
  Fling, John J.; and Fling, William F., 4,802,363, Cl. 73-315.000.
Flink, Attila J. Damp proof composite flooring. 4,873,799, 10-17-89, Cl. 52-169.800.
Flink, Roger J.: See—
  Brylla, Arnold; and Flink, Roger J., 4,809,459, Cl. 47-33.000.
Flint, Bruce K.; Fancy, Robert D.; and Jarratt, Robert V., Jr., to Acton Research Corporation. Spectrograph for evaluating contamination of optical components in space. 4,815,842, 3-28-89, Cl. 356-73.000.
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Flint, Paul L., III. Image splitter for two-way imaging apparatus. [illegible], 4-11-89, Cl. [illegible]
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  [illegible]; and [illegible], Owen W., [illegible]
Flint, William A., Jr., to A. W. Flint Company, Inc. End cap for extension planks or the like. 4,844,200, 7-4-89, Cl. 182-[illegible]
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  Nordstrom, Kjell H., 4,804,053, Cl. 177-211.000.
Fliri, Anton F. J.: See—
  Schnur, Rodney C.; and Fliri, Anton F. J., 4,874,864, Cl. 546-153.000.
Fliri, Hans; and Mak, Ching Pong, to Sandoz Incorporated. 2-Oxoazetidines, methods for their preparation, and their use. 4,855,421, 8-8-89, Cl. 540-357.000.
Flitex: See—
  Kobata, Milan; Soukop, Jiri; and Trhlik, Jiri, 4,880,183, Cl. 242-125.100.
Flo-Con Systems, Inc.: See—
  King, Patrick D., 4,799,649, Cl. 266-45.000.
  King, Patrick D., 4,824,079, Cl. 266-44.000.
Floc'h, Francois: See—
  Deschamps, Maurice; Floc'h, Francois; Jung, Gerard; and Margraff, Rodolphe, 4,810,692, Cl. 514-11.000.
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  Cuisin, Thierry A.; Dody, Jean-Noel E.; and Flochel, Jean-Pierre, 4,844,148, Cl. 164-519.000.
Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich; Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Stein, Hermann, to Didier Werke AG; and Didier Engineering GmbH. Process for cleaning an exhaust gas. 4,828,806, 5-9-89, Cl. 423-213.500.
Flodins Filter AB: See—
  Siversson, Per-Erik, 4,798,575, Cl. 493-346.000.
Flodl, Helmut, to Telefunken electronic GmbH. Solar cell module. 4,877,460, 10-31-89, Cl. 136-244.000.
Flodman, Leif A.; and Gabrielsson, Per Erik G., to Dynobel A/S. Method for the production of amino resin. 4,831,089, 5-16-89, Cl. 525-497.000.
Flodman, Leif A.; and Gabrielsson, Per Erik G., to Dynobel A/S. Amino resin and a method for its production. 4,857,609, 8-15-89, Cl. 525-497.000.
Floeter, Larry A., to Brunswick Corporation. Marine drive twin lever remote control with interlock override. 4,794,820, 1-3-89, Cl. 74-878.000.
Flogel, Karl: See—
  Lierke, Ernst-Gunter; Grossbach, Rudolf; Heide, Wolfgang; Flogel, Karl; and Junger, Martin, 4,798,332, Cl. 239-102.200.

[illegible]

Flohr, Gregory W., to Motorola, Inc. Lamp driver circuit with controlled power over a range of power supply voltages. 4,8[illegible], [illegible]-89, Cl. [illegible].

Flomal Ltd.: *See—*
  Poulson, Barrie, 4,883,201, Cl. 222-105.000.
Flome, Robert C.: *See—*
  Nelson, Robert A.; and Flome, Robert C., 4,826,488, Cl. 604-192.000.
Flonic: *See—*
  Berthon, Patrick; and Guion, Christian, 4,876,540, Cl. 340-932.200.
  Lachat, Claude; and Ferrus, Joele, 4,812,805, Cl. 340-825.050.
  Mollet, Jean P., 4,849,615, Cl. 235-380.000.
Flood, Mark A.: *See—*
  Bitterf, Bradley J.; Flood, Mark A.; Kalan, Michael D.; and Sepai, Robert R., 4,876,664, Cl. 364-900.000.
  Ilg, Gregory R. S.; Jones, Lester A.; and Flood, Mark A., 4,829,297, Cl. 340-825.080.
Flood, Paul W.; Corn, John F.; and Schafer, Robert J., to Ashland Oil, Inc. Toughened, low permeability, solvent and salt resistant polyamide blends. 4,814,379, 3-21-89, Cl. 525-66.000.
Flood, Ralph. Pocket tool. 4,884,307, 12-5-89, Cl. 7-156.000.
Flood, Robert B., Jr.: *See—*
  Wiggins, Daniel; and Flood, Robert B., Jr., 4,802,818, Cl. 415-170.00A.
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Flor, James E.: *See—*
  Wilson, Kenneth E.; Flor, James E.; Hensens, Otto D.; Liesch, Jerrold M.; and Reamer, Robert A., 4,816,448, Cl. 514-99.000.
Flora, Laurence P., to Unisys Corp. Data processing system employing a plurality of rapidly switchable pages for providing data transfer between modules. 4,803,[illegible], 2-7-89, Cl. 364-900.000.
Flora, Lawrence, to Procter & Gamble Company, The. Treatment of [illegible]. 4,8[illegible], 4-18-89, Cl. 424-112.000.
Flora, Lawrence: *See—*
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Florea, Michael; Foster, Stephen C.; and Boggs, Gary L., to [illegible] Information Systems, Inc. Baseband and broadband lan interface. 4,8[illegible], [illegible]-89, Cl. 370-94.000.
Florentin, Roger M.; Jaudran, Jean-Claude M.; Legros, Denis M.; and Simonnet, Jean-Claude M., to Saint-Gobain Vitrage. Automatic device for trimming sheets of laminated material. 4,879,933, 11-14-89, Cl. 83-76.100.
Floreani, Marino D.: *See—*
  Block, Robert E., 4,798,325, Cl. 239-663.000.
Florek, Stefan: *See—*
  Becker-Ross, Helmut; Florek, Stefan; Kersten, Felix; Moebius, Guenther; and Sanders, Horst, 4,856,898, Cl. 356-328.000.
Floren, Carl E.; and Logman, Timothy M., to Mueller Co. Valve seat configuration. 4,842,246, 6-27-89, Cl. 251-333.000.
Floren, Carl E.: *See—*
  Logman, Timothy M.; Daghe, Joseph L.; Humes, Dennis W.; Floren, Carl E.; and Bouc, Gary L., 4,848,730, Cl. 251-367.000.
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Flores, David P.; and Alei, Philip E., to Dow Chemical Company, The. Method for improving the bond strength of Saran polymers to polyamides. 4,888,249, 12-19-89, Cl. 428-476.100.
Flores, Dorothy L.: *See—*
  Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Elligen, Jon L., 4,882,917, Cl. 68-17.00A.
Florian, David W.; and Hennessy, Thomas F., to Bauer Kaba AG. Cylinder lock and key. 4,823,575, 4-25-89, Cl. 70-358.000.
Florian, Heinz; Unterlass, Josef; Zettl, Franz; Ramler, Johann; Kelz, Gerhard; and Moshammer, Anna, to Siemens Aktiengesellschaft. Electrical multilayer component comprising a sintered, monolithic ceramic body and method for its manufacture. 4,819,128, 4-4-89, Cl. 361-321.000.
Florida Board of Regents on behalf of The Florida State University, The: *See—*
  Schwartz, Martin A., 4,795,813, Cl. 546-45.000.
Florida-Kansas Health Care, Inc.: *See—*
  Allen, Dwight L., 4,867,966, Cl. 424-78.000.

Florida [illegible] Associates, Inc.: *See—*
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Florjancic, Peter, to FVG Patentverwertungsgesellschaft mbH. [illegible] device. 4,800,871, 1-31-89, Cl. [illegible].
Flork, Michel, to Laboratoires Flork, S.A. Column for physical or chemical treatment in heterogeneous phase. 4,814,147, 3-21-89, Cl. 422-216.000.
Flork, Michel, to Laboratoires Flork S.A. Zone Industrielle Du [illegible]. Industrial process for the preparation of amino acids by hydrolysis of proteins in acid medium. 4,874,893, 10-17-89, Cl. 562-445.000.
Florkey's Conveyor Service, Inc.: *See—*
  Hoffmann, Frank F., 4,798,149, Cl. 105-195.000.
Floro, William E.; Luboski, Mark; Murphy, Timothy J.; and Campbell, Alan J., to Allen-Bradley Company, Inc. Remote I/O port for transfer of I/O data in a programmable controller. 4,809,217, 2-28-89, Cl. 364-900.000.
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  Taeusch, H. William; Jacobs, Kenneth A.; Steinbrink, D. Randal; Floros, Joanna; Phelps, David S.; and Fritsch, Edward F., 4,882,422, Cl. 530-350.000.
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Flory, Robert E.: *See—*
  Kozlov, Joshua L.; [illegible], Michael A.; Flory, Robert E.; and Campbell, Edward B., III, 4,8[illegible], Cl. [illegible].
  Walter, James M.; Jonnalagadda, Krishnamurthy; and Flory, Robert E., 4,879,[illegible], Cl. [illegible].
Flory, Wilfried, to Firma Dr. Muller AG. Clarifying filter cartridge and method of filtering suspensions. 4,8[illegible], [illegible]-89, Cl. 210-[illegible].
Flos, James M., to [illegible] Company, Inc. Bag forming apparatus. 4,8[illegible], 11-28-89, Cl. [illegible].
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Flotow, Richard A., to Dana Corporation. Adjuster ring lock pin adapted for use in manual wear compensating clutches. 4,8[illegible], 5-23-89, Cl. 192-111.00B.
Flotow, Richard A., to Dana Corporation. Friction disc assembly. 4,84[illegible], 6-29-89, Cl. 192-107.00R.
Flow Cytometry Standards Corporation: *See—*
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  Schwartz, Abraham, 4,857,451, Cl. 435-7.000.
  Schwartz, Abraham, 4,868,126, Cl. 436-10.000.
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  Campau, Daniel N., 4,832,073, Cl. 137-110.000.
  Campau, Daniel N., 4,865,776, Cl. 261-36.100.
Flow-Rite of Tennessee, Inc.: *See—*
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Flow Systems, Inc.: *See—*
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  Jarzebowicz, Richard Z., 4,817,874, Cl. 239-434.000.
  Murdock, G. Duncan, 4,852,800, Cl. 239-1.000.
  Tremoulet, Olivier L., Jr.; and Raghavan, Chidambaram, 4,8[illegible], Cl. 285-256.000.
Flow Technology, Inc.: *See—*
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  Halpin, Michael W., 4,834,154, Cl. 73-3.000.
Flowe, Robert C.: *See—*
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Flower, Wallace C.; and Thorn, Richard P., to Lord Corporation. Fluid filled vibration isolator. 4,889,325, 12-26-89, Cl. 267-140.100.

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Flowers, [illegible], to General Electric Company. Method for replacing a section of tubing. 4,8[illegible],322, 7-4-89, Cl. [illegible]-119.000.
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  Baker, Glen C.; Chau, Albert W.; Fikse, James A.; and Mercer, John E., 4,856,600, Cl. 175-26.000.
  Baker, Glen C.; Chau, Albert W.; Fikse, James A.; and Mercer, John E., 4,821,815, Cl. 175-26.000.
  Baker, Glen O.; Feldman, Dmitry; Ng, Shiu S.; Chau, Albert W.; and Mercer, John E., 4,867,255, Cl. 175-61.000.
  Chau, Albert W., 4,864,293, Cl. 340-856.000.
  Chau, Albert W.; and Mercer, John E., 4,881,083, Cl. 342-459.000.
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Floyd, Lawrence, Jr.: *See—*
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Floyd, Merry E.: *See—*
  Yang, William C. T.; and Floyd, Merry E., 4,798,881, Cl. [illegible].
Floyd, Michael D.; and Stump, Jeffrey D., to Motorola, Inc. Voltage doubling and inverting charge pump. 4,807,104, 2-21-89, Cl. [illegible].
Floyd, Rod T.; and McKeary, Michael P., to McKeary, Michael P. Apparatus and method for aligning elements of a drive train of a vehicle, especially a heavy-duty, load-carrying vehicle. 4,844,[illegible], 7-4-89, Cl. 180-[illegible].
Floyd, Stanley L.; and Washburn, Steven L., to Weyerhaeuser Company. Method for determination of pith location relative to lumber surfaces. 4,811,[illegible], 3-14-89, Cl. 364-[illegible].
Floyd, Terry S.; and Hargett, Wyatt P., Jr., to CEM Corporation. Digestion and sterilization methods and apparatus. 4,877,624, 10-31-89, Cl. 436-241.000.
Floyd, Terry S.: *See—*
  Neas, Edwin D.; and Floyd, Terry S., 4,861,556, Cl. 422-78.000.
  Neas, Edwin D.; and Floyd, Terry S., 4,882,286, Cl. 436-175.000.
Floyd, Thomas O.: *See—*
  Hague, Sezzadin; Floyd, Thomas O.; Sevas, Nick; and Kelm, Walter H., 4,875,812, Cl. 407-104.000.
Floyd V. Hammer: *See—*
  Hammer, Floyd V.; and Harper, Brian, 4,824,627, Cl. 264-211.210.
Floyd, William C.; and Hui, Sai H., to Sequa Chemicals Inc. Coating binder additive. 4,837,087, 6-6-89, Cl. 428-511.000.
Floyher, Eric M., to F & L Reserach Development and Manufacturing Co. Electrical bingo game board. 4,838,557, 6-13-89, Cl. 273-237.000.
FLR, Inc.: *See—*
  Johnson, David E., 4,868,504, Cl. 324-329.000.
Fluent Ltd.: *See—*
  Zur, Yuval; and Bendel, Peter, 4,795,978, Cl. 324-309.000.
Fluck, Jakob; and Graf, Felix, to Rieter Machine Works, Ltd. Method and apparatus for winding a thread and a package formed thereby. 4,805,845, 2-21-89, Cl. 242-18.0EW.
Fluck, Rene, to SIG Schweizerische Industrie-Gesellschaft. Apparatus for separating article groups of variable length from a stacked article series. 4,828,101, 5-9-89, Cl. 198-429.000.
Fluck, Rene, to SIG Schweizerische Industrie-Gesellschaft. Method and apparatus for grouping articles. 4,832,167, 5-23-89, Cl. 198-417.100.
Flud, Sammy K.: *See—*
  Hahn, Granville I.; and Flud, Sammy K., 4,887,007, Cl. 366-99.000.
Fluderer, Albert A.: *See—*
  Carroll, Richard J.; Fluderer, Albert A.; Smith, Ward G.; and Zine, Anthony R., Jr., 4,816,166, Cl. 210-782.000.
Fludzinski, Pawel: *See—*
  Garbrecht, William L.; Marzoni, Gifford P.; and Fludzinski, Pawel, 4,835,1[illegible], Cl. 514-288.000.
Fluckiger, Hans, to Maschinenfabrik Rieter AG. Method of and apparatus for false-twist spinning. 4,823,545, 4-25-89, Cl. 57-328.000.
Flugel, Theodore D., to Sundstrand Corporation. Speed trimming integrated drive generator. 4,888,493, 12-19-89, Cl. 290-4.00C.

Fluck, Adolf: *See—*
  [illegible]
[illegible]
[illegible], Mark D., to Hewlett-Packard Company. Frequency modulation in phase-locked loops. 4,810,[illegible], 3-7-89, Cl. 332-[illegible].
Fluharty, William J.; Dykstra, Ronald A.; and Kawaz, Mark W., to Prince Corporation. Pivoted rotatable illuminated rear seat vanity mirror. 4,824,159, 4-25-89, Cl. 296-37.700.
Fluharty, William J.: *See—*
  Dykstra, Ronald A.; and Fluharty, William J., 4,858,982, Cl. 296-97.500.
Fluhrer, Henry: *See—*
  Meissner, Alfred; Potthof, Erwin; and Fluhrer, Henry, 4,841,693, Cl. 367-140.000.
Fluhrer, Robert W.: *See—*
  Pai, Deepak K.; Julik, Michael J.; and Fluhrer, Robert W., 4,827,611, Cl. 29-843.000.
Fluhs Drehtechnik GmbH: *See—*
  Ziebach, Helmut; and Lange, Peter, 4,881,570, Cl. 137-454.200.
Fluid Devices Ltd.: *See—*
  Lerner, Donald A., 4,864,871, Cl. 73-861.580.
Fluid Dynamics, Inc.: *See—*
  Anderson, Marvin H., 4,883,602, Cl. 210-776.000.
Fluid Management Systems: *See—*
  Shirkhan, Hamid, 4,830,218, Cl. 222-52.000.
Fluid Regulators Corp.: *See—*
  Hriber, Frank, 4,840,031, Cl. 60-338.000.
Fluid Technology (Aust) Limited: *See—*
  Down, Raymond L., 4,887,640, Cl. 137-564.500.
Fluidics Instruments B.V.: *See—*
  Singels-Craenen, Maria M. J., 4,828,181, Cl. 239-405.000.
Fluidmaster, Inc.: *See—*
  Vandermeyden, Tom R., 4,832,287, Cl. 236-20.00R.
  Vandermeyden, Tom R., 4,834,284, Cl. 236-20.00R.
Fluidyne Corporation: *See—*
  Vis, Frank D., 4,862,911, Cl. 137-454.400.
Fluke, G. Gordon, Jr.: *See—*
  Brassier, Peter W.; Wyss, Peter D.; Beck, Benjamin L.; Fluke, G. Gordon, Jr.; Magill, Brian Wong; and Magill, Tracy H., 4,8[illegible], Cl. [illegible].
Flum, Paul L.; and Bidwell, Christopher C., to Paul Flum Ideas, Inc. Stackable shelving system. 4,801,024, 1-31-89, Cl. 211-59.000.
Flum, Paul L.; and Bidwell, Christopher C., to Paul Flum Ideas, Inc. Adjustable shelf organizer units having frangible side and rear portions. 4,801,025, 1-31-89, Cl. 211-128.000.
Flum, Ted O.: *See—*
  Trefry, George V., Jr.; and Flum, Ted O., 4,861,056, Cl. 285-190.000.
Flunker, Hans-Jurgen: *See—*
  Rebenderrerde, Siegmund; Flunker, Hans-Jurgen; Wittneben, Gert; and Braach, Otto, 4,848,963, Cl. 405-144.000.
Fluocon Technologies Inc.: *See—*
  Rahn, Armin, 4,838,476, Cl. 228-180.100.
Fluor Corporation: *See—*
  Rao, Ashok D., 4,829,763, Cl. 60-39.050.
Fluorocarbon Company, The: *See—*
  Swank, David T., 4,846,322, Cl. 192-4.30A.
Fluorocarbon Company, The: *See—*
  Parker, Richard W.; Rock, David A.; and Anderson, James H., 4,889,975, Cl. 219-548.000.
  Swank, David T.; Eater, Edrick H.; and Daniel, Len A., 4,806,042, Cl. 403-341.000.
Fluorodiagnostic Limited Partners: *See—*
  Smith, Robert E.; and Fox, Eugene N., 4,803,162, Cl. 435-36.000.
Fluorographic Services, Inc.: *See—*
  Collier, Charles P., 4,879,267, Cl. 503-201.000.
Fluoromed Pharmaceutical, Inc.: *See—*
  Long, David M., Jr., 4,865,836, Cl. 424-5.000.
Fluoroware, Inc.: *See—*
  Kos, Robert D., 4,817,795, Cl. 206-328.000.
  Kos, Robert D., 4,880,116, Cl. 206-454.000.
  Milbrett, Lynn, 4,833,306, Cl. 235-375.000.
  Peterson, Michael D.; and Nentl, Robert J., 4,815,601, Cl. 206-454.000.
  Quernemoen, Daniel R., 4,872,554, Cl. 206-454.000.
  Rossi, Alexander H.; and Sancen, Mario H., 4,827,110, Cl. 235-376.000.
  Rossi, Alexander H.; and Sancen, Mario H., 4,888,473, Cl. 235-376.000.
  Wolf, Gary A.; Petersen, Steven D.; and McKenzie, Jeffrey J., 4,848,[illegible], Cl. 285-39.000.
Flury, Peter; Eldin, Sameer H.; Roth, Martin; and Rabener, Claus W., to Ciba-Geigy Corporation. Orthocarbonates. 4,855,367, 8-8-89, Cl. 526-[illegible].
Flury, Peter; and Alder, Alex, to Ciba-Geigy Corporation. Cyanoguanidines as hardeners for epoxy resins. 4,859,761, 8-22-89, Cl. 528-123.000.
Flury, Peter: *See—*
  Roth, Martin; Flury, Peter; and Eldin, Sameer H., 4,888,402, Cl. 526-262.000.

Flux-Gerate Gesellschaft mit beschrankter Haftung: *See—*
Gschwender, Alois; Szeteli, Andreas; and Kruger, Horst, 4,854,834, Cl. 417-423.300.
Gschwender, Alois; Kruger, Horst; and Schleifer, Bernhard, 4,875,827, Cl. 415-111.000.
Flux, Peter J.; and Hughes, Christopher S., to Westland Group plc. Helicopter rotor control systems. 4,805,850, 2-21-89, Cl. 244-17.250.
Fly Bye, Inc.: *See—*
Floyd, John, III, 4,802,303, Cl. 43-131.000.
Fly Fishing Technology Limited: *See—*
Burgess, Paul D., 4,799,417, Cl. 87-11.000.
Fly, Howard G.: *See—*
McGillis, Joseph P.; and Fly, Howard G., 4,872,668, Cl. 272-130.000.
Fly, Mark W.: *See—*
Fairchild, Paul W.; Claney, Jim L.; Fields, William G.; Bishop, Louis, Jr.; and Fly, Mark W., 4,876,949, Cl. 98-40.100.
Flyer, Eric G.; Krusing, Richard A.; and Moseley, Elmer L., to Honeywell Inc. Wire bond force calibration meter. 4,887,470, 12-19-89, Cl. 73-862.680.
Flygare, Wayne A.; Olson, Raymond N.; Reynolds, Richard W.; and Aleem, Mohd A., to Sundstrand Corporation. Dual permanent magnet generator. 4,882,513, 11-21-89, Cl. 310-114.000.
Flygt AB: *See—*
Stahl, Peter, 4,801,244, Cl. 416-146.00R.
Flymo Limited: *See—*
Turner, Colin, 4,825,329, Cl. 361-93.000.
Flynn, Charles M., Jr.; and Carnahan, Thomas G. Recovery of arsenic from ores and concentrates. 4,888,207, 12-19-89, Cl. 423-87.000.
Flynn, Daniel L.: *See—*
Belliotti, Thomas R; Connor, David T.; Flynn, Daniel L.; Kostlan, Catherine R.; and Nies, Donald E., 4,877,881, Cl. 548-240.000.
Connor, David T.; and Flynn, Daniel L., 4,810,716, Cl. 514-365.000.
Flynn, Derek J.; Thomas, Alfred W.; and Pickering, John F., to Lucas Industries Limited. Master cylinders with rear exterior shell forming reservoir passage. 4,827,720, 5-9-89, Cl. 60-547.100.
Flynn, Gary A.; and Beight, Douglas W., to Merrell Dow Pharmaceuticals Inc. Sulfhydryl containing tricyclic lactams and their pharmacological methods of use. 4,824,832, 4-25-89, Cl. 514-214.000.
Flynn, Gary A.; and Beight, Douglas W., to Merrell Dow Pharmaceuticals Inc. Process for making and isolating (R)-2-hydroxy-4-phenylbutyric acid and esters. 4,837,354, 6-6-89, Cl. 560-60.000.
Flynn, Gordon: *See—*
Saydek, Michael E.; Flynn, Gordon; Vizulis, Karlis; and Von Reis, Charles, 4,863,696, Cl. 422-101.000.
Flynn, James P., to Jane Marie Flynn. Securing strap and fastener. 4,862,563, 9-5-89, Cl. 24-442.000.
Flynn, Jean L. Door latch apparatus. 4,846,514, 7-11-89, Cl. 292-268.000.
Flynn, Jerome R. Chuck actuator device and method. 4,817,971, 4-4-89, Cl. 279-1.00K.
Flynn, Jerome R. Chuck actuator system and method. 4,844,488, 7-4-89, Cl. 279-1.00K.
Flynn, John P. P., to Powerchute Systems International Inc. Light aircraft with parachute wing. 4,875,642, 10-24-89, Cl. 244-13.000.
Flynn, Nigel; and Clark, Nigel, to Lantor (UK) Limited. Composite material. 4,840,840, 6-20-89, Cl. 428-283.000.
Flynn, Patrick J., to General Electric Company. Programmable radio frequency communications device capable of programming a similar device. 4,843,588, 6-27-89, Cl. 364-900.000.
Flynn, Richard M.; and Savu, Patricia M., to Minnesota Mining and Manufacturing Company. Perfluoro(cycloaliphatic methyleneoxyalkylene) carbonyl fluorides and derivatives thereof. 4,889,656, 12-26-89, Cl. 252-356.000.
Flynn, Robert A.: *See—*
King, Michael J.; Flynn, Robert A.; and Torrez, Henry, 4,869,759, Cl. 156-96.000.
Flynn, Steven A.; and Rutter, Paul R., to British Petroleum Company p.l.c., The. Coal dewatering. 4,853,133, 8-1-89, Cl. 210-729.000.
Flynn, Tom S.; and de Figueiredo, Joe L. Asbestos removal method and system. 4,872,920, 10-10-89, Cl. 134-21.000.
Flynn, William M.: *See—*
Machado, Octavio J.; Flynn, William M.; Flanders, Harry E., Jr.; and Booker, Larry W., 4,820,472, Cl. 376-272.000.
FMC Corporation: *See—*
Buckley, Margaret M., 4,799,848, Cl. 414-347.000.
Chang, Jun H.; and Baum, Jonathan S., 4,826,527, Cl. 71-88.000.
Chang, Jun H., 4,830,659, Cl. 71-90.000.
Chang, Jun H., 4,846,875, Cl. 71-92.000.
Chang, Jun H., 4,846,882, Cl. 71-96.000.
Chu, Yen C.; Berticevich, Edward N.; and Soldenwagner, Max J., 4,800,838, Cl. 118-505.000.
Connerley, James J., 4,805,968, Cl. 305-39.000.
Dale, James L.; Mannen, Bryce L.; and Titsworth, Raymond, 4,809,759, Cl. 157-1.100.
Dale, James L.; Mannen, Bryce L.; and Titsworth, Raymond, 4,811,774, Cl. 157-1.100
DeBin, Rene F., 4,798,576, Cl. 493-196.000.
DeBin, Rene F.; and Van Der Gucht, William, 4,850,781, Cl. 414-27.000.
Dick, Chris C.; Schwartz, Barry; McMunn, Bert D.; and Zeh, Peter H., 4,857,287, Cl. 423-315.000.
Downing, Elizabeth A.; and Torres, Bernardo, 4,870,485, Cl. 358-90.000.
Duppong, Denis E.; Dvorsky, James R.; Mick, David M.; Brandt, Richard L.; and Rieck, Leland M., 4,796,029, Cl. 342-13.000.
Eurkart, Susan E.; Phillips, Richard B.; and Roush, David M., 4,826,829, Cl. 514-95.000.
Finley, Joseph H., 4,806,326, Cl. 423-322.000.
Finley, Joseph H.; Hammermeister, Lewis L.; and Sproul, Jared S., 4,822,583, Cl. 423-322.000.
Franko-Filipasic, Borivoj; and Snyder, James, 4,851,587, Cl. 568-652.000.
Goldberg, Bruce S.; and Chen, Richard Y., 4,801,463, Cl. 426-36.000.
Hall, Richard E.; Zeh, Peter H.; and Jueneman, Frederic B., 4,804,526, Cl. 423-321.00R.
Hatzidimitriu, Stratos E.; and Hall, W. Reginald, 4,880,647, Cl. 426-239.000.
Heeler, David E.; and Pamperin, John M., 4,834,830, Cl. 156-583.100.
Henrie, Robert N., II, 4,808,722, Cl. 71-94.000.
Henrie, Robert N., II, 4,818,271, Cl. 71-88.000.
Hensler, Paul L., 4,873,068, Cl. 423-315.000.
Hightower, Edwin C., 4,872,501, Cl. 165-1.000.
Hilton, Sydney; and Dean Arthur L., 4,830,172, Cl. 198-392.000.
Krueger, Vernon C., 4,814,126, Cl. 264-45.100.
Kuhn, James A., II, 4,796,341, Cl. 29-33.00P.
Lagain, Georges, 4,798,573, Cl. 493-204.000.
Lagain, Georges, 4,846,776, Cl. 493-204.000.
Leon, Michael A., 4,886,413, Cl. 414-495.000.
Lutomski, Kathryn A.; Roush, David M.; and Phillips, Richard B., 4,889,867, Cl. 514-365.000.
Mannen, Bryce L., 4,865,104, Cl. 157-1.000.
Maravetz, Lester L., 4,806,145, Cl. 71-92.000.
Maravetz, Lester L.; and Theodoridis, George, 4,818,276, Cl. 71-92.000.
Meier, Gary A.; Sieburth, Scott M.; Cullen, Thomas G.; and Engel, John F., 4,808,762, Cl. 514-336.000.
Mineart, Michael V., 4,838,623, Cl. 305-58.0PC.
Munday, Theodore F.; and Mohr, Richard A., 4,806,325, Cl. 423-322.000.
Murugesan, Natesan; and Guiducci, Mariano, 4,855,480, Cl. 560-29.000.
Peake, Clinton J., 4,876,285, Cl. 514-746.000.
Phillips, Richard B.; and Roush, David M., 4,814,325, Cl. 514-97.000.
Plummer, Ernest L., 4,837,207, Cl. 534-563.000.
Plummer, Ernest L., 4,870,089, Cl. 514-346.000.
Rentmeester, Alan L.; and Pamperin, John M., 4,840,009, Cl. 53-373.000.
Ross, Jeffrey L.; and Krueger, James W., 4,852,717, Cl. 198-462.000.
Ross, Jeffrey L.; and Jenkins, Richard S., 4,868,759, Cl. 364-468.000.
Scott, Junius D.; and Gotal, John D., 4,811,193, Cl. 363-165.000.
Seider, Gene J., 4,803,387, Cl. 310-12.000.
Sethi, Dalbir S., 4,824,609, Cl. 260-369.000.
Sieburth, Scott M., 4,883,789, Cl. 514-63.000.
Steuck, Roger A.; Culler, Paul T.; and Drake, Kelly, 4,809,857, Cl. 212-153.000.
Swayne, Ronald D., 4,815,216, Cl. 33-203.180.
Theodoridis, George, 4,816,065, Cl. 71-94.000.
Theodoridis, George, 4,818,275, Cl. 71-92.000.
Theodoridis, George, 4,868,321, Cl. 558-17.000.
Theodoridis, George, 4,878,941, Cl. 71-93.000.
Theodoridis, George, 4,885,025, Cl. 71-92.000.
Thuse, Erik, 4,836,866, Cl. 148-131.000.
Tomasek, Jaroslav, 4,841,213, Cl. 318-661.000.
Tymonko, John M., 4,822,401, Cl. 71-87.000.
Vijay, Tumkur R.; and Mannen, Bryce L., 4,840,215, Cl. 157-1.000.
Wester, Randy J., 4,836,288, Cl. 166-348.000.
Wester, Randy J.; Hopkins, Bob C.; and Underwood, Don C., 4,836,579, Cl. 285-3.000
Wiethoff, Roger H.; and Nelson, Gary J., 4,823,676, Cl. 89-46.000.
Wiethoff, Roger H.; and Nelson, Gary J., 4,860,633, Cl. 89-45.000.
Witt, Robert L.; Barrett, Stephen P.; Ungchusri, Tep; and Bates, Roy C., 4,867,483, Cl. 285-23.000.
Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C.; and Wafer, Don B., 4,848,777, Cl. 27 188.00A.
FMTT, Inc.: *See—*
Herbert, Edward, 4,845,606, Cl. 363-24.000.
Foa, Joseph V. Flow induction device. 4,865,518, 9-12-89, Cl. 417-54.000.
Foa, Marco: *See—*
Gardano, Andrea; Casagrande, Francesco; Foa, Marco; Petrini, Guido; Barisone, Riccardo; and Chapoy, Lawrence, 4,885,40 Cl. 568-834.000.
Fobbe, Fritz: *See—*
Schmidt, Martin; Mayr, Karl-Heinz; and Fobbe, Fritz, 4,841,61 Cl. 29-157.3AH.
Fobelmac Consulting AG: *See—*
Nuttin, Pierre, 4,805,501, Cl. 83-300.000.
Fobes, Norman H.: *See—*
Messerly, Robert H.; Semenik, William; Fobes, Norman H.; and Prox, Robert J., 4,820,102, Cl. 414-788.900.
Focal Marine Limited: *See—*
Alpert, Martin D.; and Snow, James W., 4,870,292, Cl. 250-577.000

Focas Limited: *See—*
Penneck, Richard J.; Fox, David R.; and Atkinson, Edward B., 4,809,244, Cl. 367-162.000.
Fochi, Rita: *See—*
Degani, Iacopo; Fochi, Rita; and Regondi, Valeria, 4,868,322, Cl. 558-243.000.
Fochler, Helmut P.; Urkewich, Joseph; and Sauerbrei, Daryl J., to Carlon Company, The. Terminator connector fitting for electrical box and conduit system. 4,864,080, 9-5-89, Cl. 174-65.00G.
Fochtman, Edward G.; Daley, Peter S.; Ader, Milton; Plys, Albert G.; and Swanstrom, Carl P., to Chemical Waste Management Inc. Process and apparatus for separating organic contaminants from contaminated inert materials. 4,864,942, 9-12-89, Cl. 110-226.000.
Fochtman, Edward G.: *See—*
Ader, Milton; Glod, Edward F.; and Fochtman, Edward G., 4,844,815, Cl. 210-751.000.
Fock, Jurgen: *See—*
Esselborn, Eberhard; and Fock, Jurgen, 4,868,262, Cl. 526-273.000.
Esselborn, Eberhard; and Fock, Jurgen, 4,880,906, Cl. 528-403.000.
Focke & Co.: *See—*
Focke, Heinz, 4,830,170, Cl. 198-347.000.
Focke, Heinz, 4,836,357, Cl. 198-779.000.
Focke, Heinz; and Oertel, Wolfgang, 4,838,846, Cl. 493-132.000.
Focke & Co. (GmbH & Co.): *See—*
Focke, Heinz; and Bretthauer, Hans J., 4,819,343, Cl. 34-187.000.
Focke, Heinz; Focke, Jurgen; and Liedtke, Kurt, 4,819,407, Cl. 53-202.000.
Focke, Heinz; and Liedtke, Kurt, 4,829,752, Cl. 53-379.000.
Focke, Heinz; and Liedtke, Kurt, 4,840,007, Cl. 53-137.000.
Focke, Heinz; and Bretthauer, Hans J., 4,840,010, Cl. 53-375.000.
Focke, Heinz; and Liedtke, Kurt, 4,840,321, Cl. 242-58.600.
Focke, Heinz; and Mutschall, Hugo, 4,843,798, Cl. 53-453.000.
Focke, Heinz, 4,843,800, Cl. 53-477.000.
Focke, Heinz; and Wach, Jurgen, 4,845,924, Cl. 53-438.000.
Focke, Heinz, 4,850,782, Cl. 414-793.000.
Focke, Heinz; and Oertel, Wolfgang, 4,852,335, Cl. 53-575.000.
Focke, Heinz; and Liedtke, Kurt, 4,856,538, Cl. 131-282.000.
Focke, Heinz; and Holloch, Johannes, 4,865.516, Cl. 414-792.800.
Focke, Heinz, 4,883,161, Cl. 198-347.000.
Focke, Heinz; and Wach, Jurgen, 4,885,895, Cl. 53-73.000.
Focke, Heinz; and Bretthauer, Hans J., to Focke & Co. (GmbH & Co.). Apparatus for the storage of (cigarette) packs. 4,819,343, 4-11-89, Cl. 34-187.000.
Focke, Heinz; Focke, Jurgen; and Liedtke, Kurt, to Focke & Co. (GmbH & Co.). Packaging machine, especially for cigarette packs. 4,819,407, 4-11-89, Cl. 53-202.000.
Focke, Heinz; and Liedtke, Kurt, to Focke & Co. (GmbH & Co.). Device for actuating sealing jaws of a packaging machine. 4,829,752, 5-16-89, Cl. 53-379.000.
Focke, Heinz, to Focke & Co. Process and apparatus for feeding packs to a collecting and packaging station. 4,830,170, 5-16-89, Cl. 198-347.000.
Focke, Heinz, to Focke & Co. Continuous conveyor, especially a carrying chain conveyor. 4,836,357, 6-6-89, Cl. 198-779.000.
Focke, Heinz; and Oertel, Wolfgang, to Focke & Co. Apparatus for coating glue onto packaging blanks. 4,838,846, 6-13-89, Cl. 493-132.000.
Focke, Heinz; and Liedtke, Kurt, to Focke & Co. (GMBH & Co.). Packaging machine with a drying turret. 4,840,007, 6-20-89, Cl. 53-137.000.
Focke, Heinz; and Bretthauer, Hans J., to Focke & Co. (GmbH & Co.). Device for actuation of sealing jaws of a packaging machine. 4,840,010, 6-20-89, Cl. 53-375.000.
Focke, Heinz; and Liedtke, Kurt, to Focke & Co. (GmbH & Co.). Apparatus for feeding packaging-material reels to a packaging machine. 4,840,321, 6-20-89, Cl. 242-58.600.
Focke, Heinz; and Mutschall, Hugo, to Focke & Co. (GmbH & Co.). Process and apparatus for producing packs with bevelled or rounded longitudinal edges. 4,843,798, 7-4-89, Cl. 53-453.000.
Focke, Heinz, to Focke & Co., (GmbH & Co.). Process and apparatus for sealing folding tabs of a pack. 4,843,800, 7-4-89, Cl. 53-477.000.
Focke, Heinz; and Wach, Jurgen, to Focke & Co., (GmbH & Co.). Process and apparatus for the packaging of paper handkerchiefs. 4,845,924, 7-11-89, Cl. 53-438.000.
Focke, Heinz, to Focke & Co., (GmbH & Co.). Elevator, especially palletiser. 4,850,782, 7-25-89, Cl. 414-793.000.
Focke, Heinz; and Oertel, Wolfgang, to Focke & Co. (GmbH & Co.). Apparatus for producing (cigarette) packs from at least one foldable blank. 4,852,335, 8-1-89, Cl. 53-575.000.
Focke, Heinz; and Liedtke, Kurt, to Focke & Co. (GmbH & Co.). Process and apparatus for testing cigarettes. 4,856,538, 8-15-89, Cl. 131-282.000.
Focke, Heinz; and Holloch, Johannes, to Focke & Co., (GmbH & Co.). Rotatable elevating carrier for a palletizer. 4,865,516, 9-12-89, Cl. 414-792.800.
Focke, Heinz, to Focke & Co. (GmbH & Co.). Apparatus for the form-stabilizing storage of packs. 4,883,161, 11-28-89, Cl. 198-347.000.
Focke, Heinz; and Wach, Jurgen, to Focke & Co. (GmbH & Co.). Process and apparatus for feeding blanks to a folding unit. 4,885,895, 12-12-89, Cl. 53-73.000.
Focke, Jurgen: *See—*
Focke, Heinz; Focke, Jurgen; and Liedtke, Kurt, 4,819,407, Cl. 53-202.000.
Fockens, Tallienco W. H., to N.V. Nederlandsche Apparatenfabriek Nedap. System for selectively emptying or filling a tank. 4,846,233, 7-11-89, Cl. 141-94.000.
Focks, Hans J.: *See—*
Traubel, Harro; Woynar, Helmut; Muller, Hans-Werner; and Focks, Hans J., 4,810,251, Cl. 8-94.230.
Focqueur, Herve ; Jumel, Bernard; and Blard, Michel, to VALEO. Damper-type flywheel suitable for torque transmission devices. 4,828,533, 5-9-89, Cl. 464-24.000.
Focus Semiconductor Systems, Inc.: *See—*
Mahawili, Imad, 4,834,022, Cl. 118-725.000.
Mitchener, James C., 4,845,054, Cl. 437-238.000.
Fodale, Robert: *See—*
Hampton, Herbert R.; Fodale, Robert; and Conkling, Charles R., Jr., 4,840,069, Cl. 73-802.000.
Fodali, Adolph; and Gering, George, to S & G Tool Aid Corp. Electric wire clip. 4,853,625, 8-1-89, Cl. 324-158.00P.
Foden, Edwin S.: *See—*
Faulkerson, James L.; Picard, Raymond L.; Menard, Edward J.; Bennett, Sanford M.; McCarthy, Timothy J.; Foden, Edwin S.; Gipe, Michael A.; Moluf, Allan A.; Jacobs, Michael W.; and Boatner Bruce E., 4,882,629, Cl. 358-464.000.
Fodor, Andras: *See—*
Timar, Tibor; Zsupan, Kalman; Repasi, Janos; Borsos nee Safranek, Iren; Kiss, Istvan; Fodor, Andras; and Maroy, Peter, 4,866,089, Cl. 514-456.000.
Fodor, Ferenc, deceased: *See—*
Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
Fodor, Gabor B.; Sussangkarn, Kawporn; and Veltri, Robert W., to American Biotechnology Company. Condensation products of cyclic diketones and ascorbic acid as immunomodulatory agents. 4,883,808, 11-28-89, Cl. 514-468.000.
Fodor, John. Disposable mousetrap. 4,819,368, 4-11-89, Cl. 43-61.000.
Fodor, Karoly: *See—*
Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.
Fodor nee Balogh, Gyongyver: *See—*
Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.
Foedde, Hartmut: *See—*
Honel, Michael; Ziegler, Peter; Walz, Gerd; Lenz, Rudiger; Foedde, Hartmut; and Brindopke, Gerhard, 4,806,611, Cl. 528-45.000.
Foegen, Robert C. Carrying handle having L-shaped members each including a foot portion engageable with corrugated cardboard. 4,831,690, 5-23-89, Cl. 16-114.00R.
Foehl, Arthur. Safety helmet. 4,884,302, 12-5-89, Cl. 2-424.000.
Foell, Helmut; and Lehmann, Volker, to Siemens Aktiengesellschaft. Method and measuring instrument for identifying the diffusion length of the minority charge carriers for non-destructive detection of flaws and impurities in semiconductor crystal bodies. 4,841,239, 6-20-89, Cl. 324-158.00R.
Foell, Helmut; and Lehmann, Volker, to Siemens Aktiengesellschaft. Etching method for generating apertured openings or trenches in layers or substrates composed of n-doped silicon. 4,874,484, 10-17-89, Cl. 204-129.300.
Foerg, Franz: *See—*
Schumann, Klaus; Guirr, Ortburg; Schulz, Paul; and Foerg, Franz, 4,797,231, Cl. 252-547.000.
Wuest, Willi; Harth, Hubert; Springer, Dirk; and Foerg, Franz, 4,851,525, Cl. 540-542.000.
Foerster, Joseph C.: *See—*
Cherian, Abraham; and Foerster, Joseph C., 4,823,102, Cl. 335-306.000.
Foerster, Siegfried: *See—*
Effenberger, Franz; Ziegler, Thomas; and Foerster, Siegfried, 4,859,784, Cl. 549-491.000.
Foest, Wolfgang: *See—*
Guenther, Horst; Foest, Wolfgang; and Eichardt, Klaus, 4,826,318, Cl. 356-312.000.
Fogarty, Edward J., to United States of America, Navy. Acoustic signal optical correlator using a light emitting diode array. 4,805,158, 2-14-89, Cl. 367-125.000.
Fogarty, John E., Jr., to Key Filters, Inc. Filtering device for thermoplastic material. 4,888,110, 12-19-89, Cl. 210-106.000.
Fogarty, Kevin E.; Fay, Fredric S.; Isenstein, Louise M.; and Coggins, James M., to University of Massachusetts Medical Center. Filtering in 3-D visual system. 4,884,225, 11-28-89, Cl. 364-559.000.
Fogarty, Kevin E.: *See—*
Fay, Fredric S.; Fogarty, Kevin E.; and Rodgers, Cyril, 4,859,063, Cl. 356-418.000.
Fogarty, Thomas J. Cohesive-adhesive atraumatic clamp. 4,821,719, 4-18-89, Cl. 128-325.000.

Fogarty, Thomas J.; Chin, Albert K.; and Feehan, Joe, to Fogarty, Thomas J.; and Ventritex. Implantable defibrillation electrode. 4,860,769, 8-29-89, Cl. 128-786.000.
Fogarty, Thomas J.: *See—*
  Chin, Albert K.; and Goldman, Robert K., 4,821,721, Cl. 128-334.00R.
  Chin, Albert K., 4,863,440, Cl. 604-271.000.
  Chin, Albert K.; and Fogarty, Thomas J., 4,865,037, Cl. 128-419.00D.
  Chin, Albert K., 4,878,893, Cl. 604-21.000.
  Giesy, Jerry D.; Hermann, George D.; and Hoskins, Matthew W., 4,798,193, Cl. 128-7.000.
  Giesy, Jerry D.; Hoskins, Matthew W.; and Hermann, George D., 4,824,435, Cl. 604-49.000.
Fogarty, William M. Board game apparatus. 4,884,818, 12-5-89, Cl. 273-256.000.
Fogelberg, Clement V.: *See—*
  Fogelberg, Weymouth; and Fogelberg, Clement V., 4,835,661, Cl. 362-97.000.
Fogelberg, Mark J.: *See—*
  Smirl, Richard L.; and Fogelberg, Mark J., 4,848,508, Cl. 180-248.000.
Fogelberg, Weymouth; and Fogelberg, Clement V. Enhanced lighting unit for displayable materials. 4,835,661, 5-30-89, Cl. 362-97.000.
Fogelgren, John. Snap-fit display assembly. 4,819,814, 4-11-89, Cl. 211-50.000.
Fogelson, Mark: *See—*
  Adler, Robert; Fogelson, Mark; and Kaplan, Sam, 4,859,996, Cl. 340-712.000.
  Adler, Robert; Fogelson, Mark; and Kaplan, Sam, 4,880,665, Cl. 427-126.300.
Fogerite, Susan G.: *See—*
  Mannino, Raphael J.; and Fogerite, Susan G., 4,871,488, Cl. 264-4.600.
Fogg, James L.: *See—*
  Ahmed, Hassan J.; and Fogg, James L., 4,822,552, Cl. 376-257.000.
  Rieben, Stuart L.; Kugler, Ralph W.; Scherpenberg, Joseph J.; Wiersema, Dale T.; and Fogg, James L., 4,842,808, Cl. 376-261.000.
Foggini, Giovanni. Preformed integral coating, particularly for motor vehicle gear shift levers. 4,807,490, 2-28-89, Cl. 74-543.000.
Fogle, Richard M.: *See—*
  Campbell, John G.; Schoeneberger, Carl F.; Bundens, Allan B.; Fogle, Richard M.; and Lemburg, John R., 4,862,268, Cl. 358-141.000.
Fogleman, Eric W., Sr., to Eaton Corporation. Interlock switch with low energy operating mechanism. 4,861,948, 8-29-89, Cl. 200-5.00B.
Foglia, Henry R., to International Business Machines Corp. Broadband and baseband LAN. 4,885,747, 12-5-89, Cl. 370-123.000.
Fogliani, Umberto C. Game playing move selector and game apparatus. 4,817,956, 4-4-89, Cl. 273-246.000.
Fogt, Eric J.; Norenberg, Marye S.; Untereker, Darrel F.; and Coury, Arthur J., to Medtronic, Inc. Method of preparing a fluid absorbent quantitative test device. 4,846,182, 7-11-89, Cl. 128-632.000.
Fogt, G. Stephen: *See—*
  Bradt, L. Jack; Brown, Robert L.; Fogt, G. Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,839,505, Cl. 235-381.000.
Fogt, James F.: *See—*
  Bush, James W.; and Fogt, James F., 4,850,819, Cl. 417-368.000.
Fogt, Stephen: *See—*
  Bradt, L. Jack; Brown, Robert L.; Fogt, Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,814,592, Cl. 235-381.000.
Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; Castello, Josep M.; and Ortiz, Jose A., to Ferrer Internacional S.A. Process for preparing a 2,3-dihydro-1H-imidazolyl-ethoxy indene antithrombotic agent and its pharmaceutically acceptable salts. 4,843,165, 6-27-89, Cl. 548-341.000.
Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; and Ortiz, Jose A., to Ferrer Internacional S.A. 1-[2-(phenylmethyl) phenyl]piperazines as antidepressants. 4,859,675, 8-22-89, Cl. 514-255.000.
Foguet, Rafael; Ortiz, Jose A.; Gubert, Santiago; Raga, Manuel M.; and Sacristan, Aurelio, to Ferrer Internacional, S.A. Derivatives of piperazine, method for making the same. 4,883,797, 11-28-89, Cl. 514-255.000.
Fohl; Artur, to TRW Repa GmbH. Gas cushion impact protection device for motor vehicles. 4,810,005, 3-7-89, Cl. 280-732.000.
Fohl, Artur, to TRW Repa GmbH. Gas cushion impact protection device for motor vehicles. 4,828,286, 5-9-89, Cl. 280-731.000.
Fohl, Artur, to TRW (Repa) GmbH. Cable braking member for the drive of a safety belt retightener. 4,838,499, 6-13-89, Cl. 242-107.000.
Fohl, Artur, to TRW Repa GmbH. Safety belt restraining system for vehicle occupants. 4,846,498, 7-11-89, Cl. 280-808.000.
Fok-Gyem Finommechanikai es Elektronikus Muszergyarto Szovetkezet: *See—*
  Jaki, Laszlo; Jodal, Sandor; Mandzsu, Jozsef; and Pap, Endre, 4,823,490, Cl. 40-449.000.
Fokker Special Products b.v.: *See—*
  Bloks, Hubertus M. H. A.; and Bellinga, Jan, 4,813,334, Cl. 89-36.020.
Fokos, Robert: *See—*
  Cogswell, John; and Fokos, Robert, 4,795,416, Cl. 493-423.000.
  Cogswell, John; and Fokos, Robert, 4,867,435, Cl. 271-182.000.
Folcher, Gerard, deceased: *See—*
  Bridenne Alaux, Martine; Marquet-Ellis, Hubert; Keller, Nelly; and Folcher, Gerard, deceased, 4,857,294, Cl. 423-489.000.
Folcher, Vereina, heiress, Vincent Folcher and Marc Folcher, heirs. *See—*
  Bridenne Alaux, Martine; Marquet-Ellis, Hubert; Keller, Nelly; and Folcher, Gerard, deceased, 4,857,294, Cl. 423-489.000.
Foldes, David A., to A KAD Co. Disposable cat litter box. 4,819,500, 4-11-89, Cl. 119-1.000.
Foldesi, Istvan; Cudnoch, Ludwik; and Belanger, Marcel P., to Montreal Milling Cutter Co., Inc. In-line sealer. 4,816,110, 3-28-89, Cl. 156-499.000.
Foldi, Tivadar; Biro, Gabor; Barna, Tamas; and Nagy, Imre. Light source in a subdivided arrangement. 4,833,577, 5-23-89, Cl. 362-247.000.
Foldvary, Leslie A., to General Motors Corporation. Catalytic converter metal monolithic catalyst substrate. 4,886,711, 12-12-89, Cl. 428-592.000.
Foley, Daniel M.; Snyder, Michael D.; and Long, John D., to Deere & Company. Dual implement hitch assembly. 4,875,527, 10-24-89, Cl. 172-248.000.
Foley, Gary W.: *See—*
  Kemp, Robert A.; Nelson, William I.; and Foley, Gary W., 4,884,925, Cl. 406-109.000.
Foley, Geoffrey M.; Badesha, Santokh S.; Cherin, Paul; Pheilshifter, Kenneth J.; and Perry, Philip G., to Xerox Corporation. Reduction of selenium alloy fractionation. 4,822,712, 4-18-89, Cl. 430-128.000.
Foley, Geoffrey M. T.; Schank, Richard L.; and Kemp, Kenneth A., to Xerox Corporation. Stripper fingers. 4,806,985, 2-21-89, Cl. 355-3.0SH.
Foley, Geoffrey M. T.: *See—*
  Badesha, Santokh S.; Cherin, Paul; Foley, Geoffrey M. T.; Lem, Barry A.; and Wozniak, John, 4,842,973, Cl. 430-128.000.
  Badesha, Santokh S.; Foley, Geoffrey M. T.; Pai, Damodar M.; Zallen, Richard H.; Slade, Michael L.; and Abkowitz, Martin A., 4,855,203, Cl. 430-59.000.
Foley, Jimmy D. Stabilizer system for racing cars. 4,830,395, 5-16-89, Cl. 280-698.000.
Foley, John: *See—*
  Miripol, Jeffrey E.; Biistad, Arnold; Foley, John; and Glash, Dean, 4,866,282, Cl. 250-455.100.
Foley, John M.; Piuze, Ronald L.; Larson, Ralph I., Jr.; and Douman, George, to Digital Equipment Corporation. Heat exchange element and enclosure incorporating same. 4,840,225, 6-20-89, Cl. 165-104.330.
Foley, John M.; Piuze, Ronald L.; Larson, Ralph I., Jr.; and Douman, George, to Digital Equipment Corporation. Heat exchange element. 4,860,824, 8-29-89, Cl. 165-165.000.
Foley, John P.; Millas, Gary P.; and Elliott, Daniel L., to United Technologies. Cooling arrangement. 4,871,015, 10-3-89, Cl. 165-76.000.
Foley, John T.: *See—*
  Brown, Richard I.; Cerny, David E.; Foley, John T.; and West, Joseph C., Jr., 4,806,252, Cl. 210-744.000.
  Brown, Richard I.; Smith, Sidney; Cerny, David E.; and Foley, John T., 4,834,890, Cl. 210-739.000.
  Cerny, David E.; Bacehowski, David V.; and Foley, John T., 4,807,676, Cl. 141-98.000.
Foley, Raymond J., to DeVilbiss Company, The. Spray gun control circuit. 4,844,342, 7-4-89, Cl. 239-70.000.
Foley, Thomas P.: *See—*
  Mosciatti, Roger; Foley, Thomas P.; Moritz, Frederick; and Burge, Jack, 4,828,406, Cl. 400-23.000.
Foley, William D., to Off-Peak Devices, Inc. Off peak storage device. 4,827,735, 5-9-89, Cl. 62-430.000.
Foley, William M., Jr., to John D. McCarry. Silymethylene methacrylate contact lens and polymer. 4,886,864, 12-12-89, Cl. 526-264.000.
Folger Adam Company: *See—*
  Richards, James A.; and Stefanek, Ronald T., 4,797,779, Cl. 361-154.000.
Folger, Edward C.; and Witerski, Glenn S., to Storage Technology Corporation. Apparatus for laser welding and annealing. 4,879,44 11-7-89, Cl. 219-121.630.
Folger, John H., Jr.: *See—*
  Box, John W.; and Folger, John H., Jr., 4,832,692, Cl. 604-99.000.
Folgero, Kare, to ASEA Brown Boveri AB. Pouring control device. 4,865,234, 9-12-89, Cl. 222-597.000.
Folienwalzwerk Bruder Teich AG: *See—*
  Jud, Wilfried, 4,826,011, Cl. 206-484.000.
Folienwalzwerk Brueder Teich Aktiengesellschaft: *See—*
  Jud, Wilfried, 4,811,848, Cl. 206-610.000.
Folk, Craig L.: *See—*
  Salaun, Harold L., Jr.; and Folk, Craig L., 4,845,813, Cl. 19-258.000.
Folk, Kenneth F., to AMP Incorporated. Resilient belt type conveyor having improved loading and unloading features. 4,817,781, 4-4-89, Cl. 198-627.000.
Folk, Kenneth F.: *See—*
  Adlon, Daniel T.; and Folk, Kenneth F., 4,879,934, Cl. 83-76.000.
Folkens, Jerry D.: *See—*
  Young, Sheldon E.; Young, Michael L.; and Folkens, Jerry D., 4,846,436, Cl. 248-542.000.
Folkers, Joanne Marie-Colletti: *See—*
  Davis, Charles W., Jr.; Fairchild, Charles L.; Folkers, Joanne Marie-Colletti; and Kendall, Robert C., 4,830,870, Cl. 426-599.000.
Folkers, Karl; and Muratsu, Kazumasa, to Board of Regents, The University of Texas System. Formulations of coenzyme Q10 for intravenous use. 4,824,669, 4-25-89, Cl. 424-94.100.

Folkers, Karl; and Wolaniuk, Janusz, to Board of Regents, The University of Texas System. Restoration of impaired cardiac function of patients with diverse muscular dystrophies by therapy with coenzyme Q10. 4,885,167, 12-5-89, Cl. 424-94.100.
Folkesson, Bo. Press for the continuous production of boards. 4,881,888, 11-21-89, Cl. 425-371.000.
Folkins, Jeffrey J., to Xerox Corporation. Piecewise development system. 4,851,884, 7-25-89, Cl. 355-246.000.
Folkins, Jeffrey J.; and Silverberg, Morton, to Xerox Corporation. Electrophotographic device with a bead pickoff arrangement. 4,868,607, 9-19-89, Cl. 355-269.000.
Folkins, Jeffrey J., to Zerox Corporation. Self-biased scorotron grid power supply and electrostatic voltmeter operable therefrom. 4,868,907, 9-19-89, Cl. 323-231.000.
Folkman, Moses J.; Hannan, Robert L.; Thompson, Robert W.; and Langer, Robert S., to Massachusetts Institute of Technology. Heparin assay. 4,795,703, 1-3-89, Cl. 435-13.000.
Folkmar, Jan, to Ice-Pack Service AG. Closure for the fluid-tight closing of bags, thin-walled tubes and the like. 4,811,465, 3-14-89, Cl. 24-30.50R.
Folkmar, Jan, to ICE-PACK Service AG. Closure for closing plastic bags and the like. 4,887,335, 12-19-89, Cl. 24-30.50R.
Folkmar, Jan: *See—*
  Hofmann, Raimund, 4,802,608, Cl. 222-142.100.
  Hofmann, Raimund, 4,823,130, Cl. 215-317.000.
Follansbee, Roger V.: *See—*
  Kingsbury, Philip C. O.; and Follansbee, Roger V., 4,868,699, Cl. 360-128.000.
Follansbee Steel Corporation: *See—*
  Meriwether, Jon D., 4,799,445, Cl. 114-267.000.
Foller, Dieter; and Tews, Jurgen, to Battelle-Institut e.V. Sound protection suit. 4,842,913, 6-27-89, Cl. 428-71.000.
Follett, David R.; and Sobin, David L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical backplane. 4,870 637, 9-26-89, Cl. 370-4.000.
Follett, David R.; and Levy, Michael P., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Contention mechanism for communication networks. 4,872,163, 10-3-89, Cl. 370-94.100.
Follett, John L. Method of fabrication of a disintegrating casting weight and fish attractor. 4,883,620, 11-28-89, Cl. 264-72.000.
Follis, John V. Sign mounting structure. 4,844,391, 7-4-89, Cl. 248-121.000.
Follo, Thomas A. Simulated baseball game apparatus. 4,830,374, 5-16-89, Cl. 273-89.000.
Folsberg, Jan, to F.L. Smidth & Co. A/S. Vertical roller mill. 4,869,434, 9-26-89, Cl. 241-34.000.
Folse, Keith A., to Conoco Inc. Offshore drilling/production platform with a retractable work deck. 4,861,196, 8-29-89, Cl. 405-224.000.
Folser, George R.: *See—*
  Maskalick, Nichols J.; and Folser, George R., 4,847,172, Cl. 429-30.000.
Folsom, Dale. Carrying and storage case for artist's supplies. 4,852,725, 8-1-89, Cl. 206-1.700.
Folsom, Fred. Ventilation system for artists. 4,840,169, 6-20-89, Cl. 128-863.000.
Foltz, George C.: *See—*
  Schwerzler, Dennis D.; and Foltz, George C., 4,821,828, Cl. 180-68.400.
Foltz, John R., to Union Camp Corporation. End dam. 4,867,097, 9-19-89, Cl. 118-407.000.
Foltz, William E.: *See—*
  Wicks, James H.; and Foltz, William E., 4,883,641, Cl. 422-50.000.
Folweiler, Robert C.: *See—*
  Lester, Joseph E.; and Folweiler, Robert C., 4,832,935, Cl. 423-483.000.
Folz, Sylvester D.: *See—*
  Rector, Douglas L.; Conder, George A.; and Folz, Sylvester D., 4,870,082, Cl. 514-311.000.
Fombellida, Miguel. Electronic test fixture. 4,797,610, 1-10-89, Cl. 324-158.00F.
Fomico International, Inc.: *See—*
  Smith, Peter J., 4,884,921, Cl. 405-286.000.
Fomin, Alexandr S.: *See—*
  Galiakbarov, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased, 4,842,066, Cl. 166-265.000.
Fon-Ex Inc.: *See—*
  Riskin, Bernard N., 4,846,594, Cl. 400-188.000.
Fonar Corporation: *See—*
  DiMassimo, Virgil; and Gelbien, Mark J., 4,805,626, Cl. 128-653.000.
  Smith, Stanton D.; Hertz, David; Wolf, Robert B.; and Olsen, Robert H., 4,871,966, Cl. 324-309.000.
  Votruba, Jan; and Morris, George R., 4,887,038, Cl. 324-318.000.
Fonda-Bonardi, G. Fluid bearing. 4,808,070, 2-28-89, Cl. 415-110.000.
Fonderie Officine Riunite F.O.R. Ing. Graziano di L. Graziano & C. S.A.S.: *See—*
  Bacchio, Giovanni, 4,817,246, Cl. 19-98.000.
Fondeur, Bernard, to D.E.A. Digital Electronic Automation S.p.A. Measuring device employing laser interferometry. 4,886,353, 12-12-89, Cl. 356-4.500.
Fondin, Jean L. Sensor for measuring the internal temperature of a centrifuge cell. 4,886,371, 12-12-89, Cl. 374-141.000.
Fong, Conrad T. O.; Grabenkort, Richard W.; and Huntley, Scott P., to Abbott Laboratories. Packaging for a sterilizable calibratable medical device. 4,863,016, 9-5-89, Cl. 206-210.000.
Fong, Dodd W., to Nalco Chemical Company. Process for making acrylamido methane sulfonic acid polymers. 4,795,789, 1-3-89, Cl. 525-344.000.
Fong, Dodd W.; Hoots, John E.; and Johnson, Donald A., to Nalco Chemical Company. Modified acrylamide polymers used as scale inhibitors. 4,801,388, 1-31-89, Cl. 210-701.000.
Fong, Dodd W.; and Halverson, Ann M., to Nalco Chemical Company. Removal of dispersed oil from water. 4,802,992, 2-7-89, Cl. 210-709.000.
Fong, Dodd W.; and Kaesler, Ralph W., to Nalco Chemical Company. Process for sulfoethylation of high molecular weight acrylamide containing polysoap latex polymers. 4,829,121, 5-9-89, Cl. 524-555.000.
Fong, Dodd W., to Nalco Chemical Company. Alkoxylated/cationically modified amide-containing polymers. 4,885,345, 12-5-89, Cl. 525-329.400.
Fong, Dodd W.; and Fu, Josepha M., to Nalco Chemical Company. Novel cationic hydroxamate polymers. 4,886,872, 12-12-89, Cl. 525-329.400.
Fong, Dodd W.: *See—*
  Lin, Mei-Jan L.; Mouche, Richard J.; Nimry, Baker N.; and Fong, Dodd W., 4,818,506, Cl. 423-242.000.
  Sparapany, John W.; Fong, Dodd W.; and Fu, Josepha M., 4,868,248, Cl. 525-380.000.
Fong, Gerald D.: *See—*
  Boylan, Elizabeth A.; and Fong, Gerald D., 4,847,138, Cl. 428-209.000.
Fong, Hanry. Plant container. 4,885,870, 12-12-89, Cl. 47-79.000.
Fong, Howard L., to Shell Oil Company. Water removal in a redox process. 4,853,192, 8-1-89, Cl. 423-226.000.
Fong, Jach; and Chen, Jack, to Caprilion Enterprise Company. Structure of faucet for automatic water supply and stoppage. 4,826,129, 5-2-89, Cl. 251-129.040.
Fong, James C., to Tong-Fong Brush Factory Co., Ltd. Anti-electrostatic brush. 4,797,966, 1-17-89, Cl. 15-186.000.
Fong, James J., to Minnesota Mining and Manufacturing Company. One part moisture curable urethane composition. 4,839,455, 6-13-89, Cl. 528-28.000.
Fong, Jon J.: *See—*
  Gragg, Brian D.; Fong, Jon J.; and Wilson, Arthur K., 4,806,032, Cl. 400-194.000.
Fong-Otani, Janis M. J.: *See—*
  Otani, Neal M.; and Fong-Otani, Janis M. J., 4,850,556, Cl. 248-206.200.
Fong, Ronald A.; and Rowland, Richard R., to Clorox Company, The. Method for esterifying dihydroxybenzenes. 4,814,110, 3-21-89, Cl. 260-400.000.
Fong, Ronald A.: *See—*
  Zielske, Alfred G.; and Fong, Ronald A., 4,859,800, Cl. 568-566.000.
Fong, Roy: *See—*
  Willard, Charles; and Fong, Roy, 4,819,793, Cl. 206-162.000.
Fong, Steven: *See—*
  Mattox, Robert; and Fong, Steven, 4,825,277, Cl. 357-49.000.
Fong, William: *See—*
  Paik, Woo H.; Fong, William; Goerge, Ashok K.; and McCormick, John E., 4,888,592, Cl. 342-359.000.
Fonneland, Nils J.: *See—*
  Brandstetter, Robert W.; Fonneland, Nils J.; and Grieve, Philip G., 4,884,867, Cl. 350-162.120.
Fonsalas, Frederic, to U.S. Philips Corporation. Signal transient improvement arrangement. 4,839,836, 6-13-89, Cl. 364-582.000.
Fonseca, Anthony G., to Consolidation Coal Company. Process for fine coal cleaning. 4,810,371, 3-7-89, Cl. 209-166.000.
Fonsny, Pierre: *See—*
  Denis, Jean-Pierre; Andries, Nicole; and Fonsny, Pierre, 4,869,842, Cl. 252-121.000.
  Julemont, Michel; Zocchi, Germaine; Mineo, Nunzio; and Fonsny, Pierre, 4,846,992, Cl. 252-90.000.
Fonstad, Clifton G., Jr.: *See—*
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Fontaine, Guy: *See—*
  Saumade, Frank; and Fontaine, Guy, 4,806,850, Cl. 324-71.100.
Fontaine, Jean F. L., to Goodyear Tire & Rubber Company, The. Tread for left and right vehicle tires. 4,877,072, 10-31-89, Cl. 152-209.00R.
Fontaine, Paul; Frommann, Klaus; and Michel, Rolf, to Fontaine, Paul. Single or two-sided galvanizing plant. 4,884,525, 12-5-89, Cl. 118-65.000.
Fontaine, Paul P., to Unitas S.A. Method and apparatus for stripping metal sheet coated with molten material. 4,862,825, 9-5-89, Cl. 118-63.000.
Fontaine, Pierre: *See—*
  Richon, Dominique; De Pous, Olivier; and Fontaine, Pierre, 4,855,262, Cl. 501-92.000.

Richon, Dominique; De Pous, Olivier; and Fontaine, Pierre, 4,888,310, Cl. 501-92.000.

Fontaine, Suzanne: *See—*
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Fontan, Jacques; Kurzweil, Karel; and Dehaine, Gerard, to Bull, S.A. Method of and apparatus for mounting an IC chip. 4,812,949, 3-14-89, Cl. 361-386.000.

Fontana, Alberto; Modena, Silvana; and Moggi, Giovanni, to Montefluos S.P.A. Process for preparing adducts of alcohols, ethers and esters with 1,2-dichlorodifluoroethylene. 4,827,002, 5-2-89, Cl. 549-346.000.

Fontana, Alberto: *See—*
Modena, Silvana; Fontana, Alberto; Moggi, Giovanni; and Bargigia, Gianangelo, 4,810,765, Cl. 526-249.000.

Fontana, Frank. Compressed air nozzle. 4,813,611, 3-21-89, Cl. 239-589.000.

Fontana, Gabriella, to SGS Microelecttronica S.p.A. Electrically alterable, nonvolatile floating gate memory device. 4,823,175, 4-18-89, Cl. 357-23.500.

Fontana, Luca P.; and Shannon, Thomas G., to General Electric Company. Method of increasing the thermal stability of cyclic carbonate oligomers. 4,814,428, 3-21-89, Cl. 528-370.000.

Fontana, Robert E., Jr.; Howard, James K.; Lee, James H.; and Lefakis, Haralambos, to International Business Machines Corporation. Magnetoresistive read transducer. 4,879,619, 11-7-89, Cl. 360-113.000.

Fontanelli, Luciano: *See—*
Rosini, Sergio; and Fontanelli, Luciano, 4,814,326, Cl. 514-108.000.

Fontanes, Sylvain; Birot, Patrice; Marguinaud, Andre ; Quignon, Thierry; and Romann, Brigitte, to Societe Anonyme dite: Alcatel Espace. Method of demodulating digitally modulated signals, and apparatus implementing such a method. 4,885,756, 12-5-89, Cl. 375-82.000.

Fontanille, Michel; Krantz, Nicolas; Gautier, Jean-Claude; and Raynal, Serge, to Societe Nationale des Poudres et Explosifs. Conductive polymers or prepolymers from a polymer containing ethylenic unsaturations and from a silane compound and conductive polymers or prepolymers. 4,845,153, 7-4-89, Cl. 525-105.000.

Fonte, Alberto; Tentorio, Angelo; and Lenti, Daria, to Ausimont S.p.A. Composition on the basis of fluorinated polymers in aqueous dispersion, containing alkoxysilanes, for coating metal surfaces. 4,804,701, 2-14-89, Cl. 524-262.000.

Fontenaud, Christian: *See—*
Dechelette, Helen; and Fontenaud, Christian, 4,807,358. Cl. 29-857.000.

Fonteneau, Patrick: *See—*
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Fontenot, John E., to NL Industries, Inc. Method and apparatus for determining true formation porosity from measurement-while-drilling neutron porosity measurement devices. 4,810,459, 3-7-89, Cl. 376-160.000.

Fontenot, Mark G., to Vitek, Inc. Involuntary oscillator system for the mandible. 4,883,046, 11-28-89, Cl. 128-25.00R.

Fontenot, Ozeman J., to Texhoma Contractors, Inc., a part interest. Wellhead and conductor stabilized by a cable and anchor system. 4,818,146, 4-4-89, Cl. 405-212.000.

Fonticoli, Alfredo R. Machine for the production of puffed cereals. 4,840,117, 6-20-89, Cl. 99-323.400.

Foo, Pang-Dow: *See—*
Alexander, Frank B., Jr.; Foo, Pang-Dow; and Schutz, Ronald J., 4,871,420, Cl. 156-643.000.

Food Automation-Service Techniques, Inc.: *See—*
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Ceste, Mario G., Sr., 4,812,625, Cl. 219-497.000.
Pasquini, Mario; and Breen, Kathie A., 4,864,498, Cl. 364-400.000.

Food and Cereal Research Limited: *See—*
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Food Equipment Engineering, Inc.: *See—*
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Food Industry Equipment International, Inc.: *See—*
McCullough, Timothy J., 4,850,111, Cl. 30-276.000.

Food-Tek, Inc.: *See—*
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Food Tools, Inc.: *See—*
Browne, Ronald O.; and Grano, Martin A., 4,817,465, Cl. 74-817.000.

Food Trends, Inc.: *See—*
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FoodCraft Equipment Company: *See—*
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Foodman, Harold: *See—*
Ahmed, Belal; Eisner, Andrew; Foodman, Harold; Hartley, G. Cecil; Hartley, Michael; and Marsh, Robert, 4,819,176, Cl. 364-468.000.

Foor, Clyde A.: *See—*
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Foord, Peter M., to Electricity Trust of South Australia. Bi-directional multi-frequency ripple control system. 4,868,539, 9-19-89, Cl. 340-310.00A.

Foos, Douglas E.: *See—*
Rosten, David B.; Perchak, William C.; Foos, Douglas E.; Partlow, Richard L., Jr.; and Buhrke, Gary G., 4,819,829, Cl. 220-346.000.

Foos, George M.: *See—*
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Fooshee, Paul. Apparatus and method for bending eyeglasses to shape of ear. 4,862,726, 9-5-89, Cl. 72-409.000.

Foot Technology, Inc.: *See—*
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Foote, D. Paul, to Xerox Corporation. Process for forming electrophotographic images on a self-fusing substrate. 4,812,383, 3-14-89, Cl. 430-126.000.

Foote, Eugene B., to Boeing Company, The. Rotary actuator with tailored torque output. 4,798,051, 1-17-89, Cl. 60-527.000.

Foote, Eugene B.; and Giles, Daniel N., to Boeing Company, The. Thermal expansion compensating joint assembly. 4,834,569, 5-30-89, Cl. 403-2.000.

Foote, James C., Jr.; Castrignano, Frank; and Huot, Robert D., to Eastman Kodak Company. Nonimpact printer. 4,821,066, 4-11-89, Cl. 355-14.00R.

Foote, Mark A.; and Carter, Stephen J., to Baxter International Inc. Surgical procedure tray. 4,889,231, 12-26-89, Cl. 206-363.000.

For You, Inc.: *See—*
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Foradori, Paul T. Ladder safety device-antislip. 4,836,331, 6-6-89, Cl. 182-107.000.

Forage, Alan J.; and Byrne, William J., to Arthur Guinness Son & Company Limited. Beverage package and a method of packaging a beverage containing gas in solution. 4,832,968, 5-23-89, Cl. 426-112.000.

Foral, Michael J.: *See—*
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Foran, Raymond: *See—*
Berkin, George; Heady, Richard F., Clarke, Jeffrey; Raghavan, Asuri; Foran, Raymond; Mayer, Ralph; and Chlebda, Joseph, 4,823,394, Cl. 382-8.000.

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Forasol: *See—*
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Foray, Jacques: *See—*
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Forbach GmbH: *See—*
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Forberg, Elizabeth A.; and Kamp, Ewald A., deceased (by Kamp, Adele, heiress), to First Brands Corporation. Elasticized gusseted dish cover, method of making same and article of dispensing. 4,844,248, 7-4-89, Cl. 206-390.000.

Forberg, Wolfgang: *See—*
Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

Forbes, Carman S.: *See—*
Forbes, David R.; and Forbes, Carman S., 4,802,626, Cl. 239-36.000.

Forbes, Charles. Extermination of insects by heat. 4,817,329, 4-4-89, Cl. 43-124.000.

Forbes, Charles F.: *See—*
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Forbes, Christopher B. Protective face shield. 4,856,535, 8-15-89, Cl. 128-857.000.

Forbes, Christopher B. Repair flange. 4,886,302, 12-12-89, Cl. 285-56.000.

Forbes, Curtis E.; Forbes, Micheal M.; and Forbes, William L. Wood splitter. 4,799,519, 1-24-89, Cl. 144-366.000.

Forbes, David R.; and Forbes, Carman S., to Hunter's Specialties, Inc. Molded scent impregnated devices. 4,802,626, 2-7-89, Cl. 239-36.000.

Forbes, Franklin L.; and Harms, Harold B., to General Electric Company. Method of fabricating a salient pole electronically commutated motor. 4,835,839, 6-6-89, Cl. 29-596.000.

Forbes, Franklin L.; and Cunningham, Eldon R., to General Electric Company. Electronically commutated motor, blower integral therewith, and stationary and rotatable assemblies therefor. 4,883,982, 11-28-89, Cl. 310-62.000.

Forbes, James B.: *See—*
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Forbes, Mark C.: *See—*
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Forbes, Melvin D.; and Malone, William F., Jr., to Ultra Light Arms, Inc. Safety mechanism for firearms. 4,870,770, 10-3-89, Cl. 42-70.010.

Forbes, Micheal M.: *See—*
Forbes, Curtis E.; Forbes, Micheal M.; and Forbes, William L., 4,799,519, Cl. 144-366.000.

Forbes, Patricia J.: *See—*
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Covey, Rupert A.; Forbes, Patricia J.; Bell, Allyn R.; and Blem, Allen R., 4,830,661, Cl. 71-92.000.

Forbes, Raymond. Beverage container with automatic straw delivery mechanism and straw therefor. 4,826,034, 5-2-89, Cl. 220-90.200.

Forbes, William L.: *See—*
Forbes, Curtis E.; Forbes, Micheal M.; and Forbes, William L., 4,799,519, Cl. 144-366.000.

Forbeton-Betonbohr S.A.: *See—*
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Force, Carlton G., to Westvaco Corporation. Process for preparation of high solids concentrated latex. 4,804,694, 2-14-89, Cl. 523-335.000.

Force, Carlton G., to Westvaco Corporation. Method of removing lignin from tall oil. 4,879,360, 11-7-89, Cl. 530-205.000.

Force Control Industries, Inc.: *See—*
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Force 4 Enterprises Inc.: *See—*
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Force Northwest Distributors, Inc.: *See—*
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Forcucci, John: *See—*
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Ford Aerospace & Communications Corporation: *See—*
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Bird, Wiley M., 4,837,788, Cl. 375-3.000.
Boss, Harold O., 4,810,888, Cl. 250-352.000.
Bredthauer, Richard A., 4,875,082, Cl. 357-15.000.
Chall, Louis E., Jr., 4,858,072, Cl. 361-388.000.
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Clarke, Stephen E.; Hendry, James D.; and Mijares, Ernest R., 4,802,415, Cl. 102-434.000.
Clarke, Stephen E.; and Hendry, James D., 4,844,845, Cl. 264-3.100.
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Frazer, Alson C., 4,807,529, Cl. 102-285.000.
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Tsao, Chich-Hsing; and Roberts, Thomas E., 4,843,400, Cl. 343-700.0MS.
Tsao, Chich-Hsing A.; Hwang, Yeongming; Kilburg, Francis J.; and Dietrich, Fred J., 4,847,625, Cl. 343-700.0MS.
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Ford, Carol M.; and Podgorski, Theodore J., to Honeywell Inc. Laser cathode composed of embedded laser gas molecules. 4,853,940, 8-1-89, Cl. 372-87.000.

Ford, Cheryl A., to GTE Products Corporation. Fluorescent lamp with silica layer. 4,857,798, 8-15-89, Cl. 313-487.000.

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Ford, David A.; Hill, Anthony D.; and Pashby, Ian R., to Rolls-Royce plc. Alloy suitable for making single crystal castings. 4,853,044, 8-1-89, Cl. 148-3.000.

Ford, David B.; Lynch, James E.; and Rateike, Leroy R., to National-Oilwell. Spring actuated power swivel support rollers. 4,877,093, 10-31-89, Cl. 175-113.000.

Ford, David B.: *See—*
Lynch, James E.; and Ford, David B., 4,813,498, Cl. 175-113.000.

Ford, Douglas L.; and Grant, Richard D., to Memtec Limited. Altering pore size distributions. 4,814,083, 3-21-89, Cl. 210-490.000.

Ford, Douglas L.; Anderson, Eric W.; and Kopp, Clinton V., to Memtec Limited. Cooling hollow fibre cross-flow separators. 4,816,160, 3-28-89, Cl. 210-636.000.

Ford, Douglas L., to Memtec Limited. Sulphuryl chloride/polyamide derivative. 4,822,863, 4-18-89, Cl. 525-420.000.

Ford, Douglas L., to Memtec Limited. Treatment of emulsions. 4,846,976, 7-11-89, Cl. 210-636.000.

Ford, Douglas W., to Flight Dynamics, Inc. Windshear flight recovery command system. 4,841,448, 6-20-89, Cl. 364-433.000.

Ford, Douglas W.; Johnson, Walter A.; and Daneshmandi, Shahram, to Flight Dynamics, Inc. Windshear measurement system. 4,853,861, 8-1-89, Cl. 364-424.060.

Ford, Ellen L.: *See—*
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Ford, Glen M.: *See—*
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Ford, Jack W. Line puller method and apparatus. 4,848,734, 7-18-89, Cl. 254-134.400.

Ford, James; and Webb, John, to United Kingdom Atomic Energy Authority. Thermally responsive trigger devices and their use in shut-down devices for nuclear reactors. 4,889,683, 12-26-89, Cl. 376-336.000.

Ford, Jayme R., to Abbott Laboratories. Miniaturized reference electrodes. 4,836,908, 6-6-89, Cl. 204-435.000.

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Ford, John B. M.; and Cardew, Gerald V. Airgun. 4,865,009, 9-12-89, Cl. 124-76.000.

Ford, John R.; Gutierrez, Robelino C.; Carrera, Armando N.; and Galik, William T., to Tenex Corporation. Apparatus and method of producing chair mats and the like. 4,865,093, 9-12-89, Cl. 144-144.00R.

Ford, John W.; and Dyer, Maurice J. Contactless web support guide. 4,824,002, 4-25-89, Cl. 226-197.000.

Ford, John W., Jr.: *See—*
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Ford, Keith L. Grease fitting for dog. 4,840,414, 6-20-89, Cl. 292-356.000.

Ford, Kenneth R.; Ford, Ellen L.; Nygren, Edward; and Nygren, Joyce. Thesaurus game apparatus. 4,884,816, 12-5-89, Cl. 273-240.000.

Ford, Lionel H.; Oruh, Samuel N.; Singh, Jaswant; and Coldwell, Geoffrey S., to United Kingdom Atomic Energy Authority. Direct weighing of liquid handling plant. 4,817,428, 4-4-89, Cl. 73-434.000.

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Ford, Michael E.; and Johnson, Thomas A. Production of aminoethyl hydrogen sulfate. 4,864,045, 9-5-89, Cl. 558-29.000.

Ford, Michael G.: *See—*
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Ford Microelectronics, Inc.: *See—*
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Anderson, Anthony T.; and Field, Nathaniel L., 4,872,429, Cl. 123-90.440.
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Boaz, Premakaran T., 4,857,096, Cl. 65-60.510.
Bohland, Walter J., 4,833,765, Cl. 29-157.10R.
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Bowman, Timothy J.; Marshall, Robert A.; and Biddulph, Trevor W., 4,805,403, Cl. 60-320.000.
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Brightwell, David L., 4,805,479, Cl. 74-502.400.
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Bulick, John G., 4,868,441, Cl. 310-239.000.
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Butler, James W.; Maker, Paul D.; Korniski, Thomas J.; and Colvin, Alex D., 4,801,805, Cl. 250-343.000.
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Clarke, James R.; and Wolfe, Brian C., 4,860,709, Cl. 123-432.000.
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Cook, Roger J., 4,851,952, Cl. 361-92.000.
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Demiryont, Hulya, 4,842,382, Cl. 350-357.000.
Demiryont, Hulya, 4,844,592, Cl. 350-357.000.
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Donovan, David A.; and Field, Nathaniel L., 4,842,450, Cl. 408-1.00R.
Donovan, David A.; and Field, Nathaniel, 4,847,961, Cl. 29-56.500.
Duffy, James J., 4,828,067, Cl. 180-142.000.
Duffy, James J., 4,877,099, Cl. 180-142.000.
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Farone, Joseph D.; and Locker, Richard W., 4,868,365, Cl. 219-121.640.
Feller, Roger K.; Warner, Samuel R.; and Capriotti, Janice D., 4,885,935, Cl. 73-117.200.
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Moan, Richard D., 4,836,049, Cl. 74-689.000.
Morris, Peter T., 4,836,147, Cl. 123-41.440.
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Moskowitz, David; and Phillips, Charles W., 4,880,600, Cl. 419-12.000.
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Soltis, Michael W., 4,805,923, Cl. 280-707.000.
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Ward, Marcus J. S.; and Seymour, Peter J., 4,889,373, Cl. 292-336.300.
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  Clevenger, James T., Jr.; Ashcroft, Dale A.; Strosser, Richard P.; and Anderson, Mark S., 4,856,612, Cl. 180-273.000.
  Crane, Jack W.; Anstee, L. Lavern; VanGinhoven, Robert M. and Jennings, Richard E., 4,887,416, Cl. 56-13.600.
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  De Zylva, Walter H., 4,805,391, Cl. 56-343.000.
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  Lomas, William F.; Margolin, William; and Moglia, Robert F., 4,833,933, Cl. 74-359.000.
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  Strosser, Richard P.; Swiler, Stuart O.; and Weaver, Marvin G., Jr., 4,818,980, Cl. 340-784.000.
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Foresight Industries, Inc.: *See—*
  Chandler, David R., 4,802,317, Cl. 52-163.000.

- Foresman, James D., to Sprout-Bauer, Inc. Canted, spring-loaded feed screw support. 4,872,617, 10-10-89, Cl. 241-247.000.
- Forest, Bernard: *See—*
  - Vives, Charles; Forest, Bernard; and Riquet, Jean-Pierre, 4,807,694, Cl. 164-466.000.
- Forest Electric Company, The: *See—*
  - Mayer, Thomas J., 4,795,945, Cl. 315-276.000.
- Forest Engineering Research Institute of Canada: *See—*
  - Cote, Jean-Marie, 4,861,065, Cl. 280-678.000.
  - Mellgren, Per-Gustaf, 4,872,700, Cl. 280-677.000.
- Forest, Guy A. Alcoholic concentration indicator. 4,797,539, 1-10-89, Cl. 235-85.00R.
- Forest Laboratories, Inc.: *See—*
  - Gaylord, Norman G.; and Schor, Joseph M., 4,795,327, Cl. 424-468.000.
  - Gaylord, Norman G.; and Schor, Joseph M., 4,849,229, Cl. 424-468.000.
- Forest Line of B.P.: *See—*
  - Tillement, Pierre; and Greffioz, Andre, 4,842,684, Cl. 156-5[illegible]8.000.
- Foresta, Piero; Ghirardi, Orlando; Gabetta, Bruno; and Cristoni, Aldo, to Sigma-Tau Industrie Farmaceutiche Riunite S.p.A.; and Inverni Della Beffa Industria Chimico Farmeceutica Derivati Naturali. Triterpene saponins having anti-inflammatory, mucolytic and antiedemic activities, process for the preparation thereof and pharmaceutical compositions containing them. 4,879,376, 11-7-89, Cl. 536-18.100.
- Forester, David R., to Betz Laboratories, Inc. Method for controlling fouling deposit formation in petroleum hydrocarbons or petrochemicals. 4,804,456, 2-14-89, Cl. 208-48.0AA.
- Forester, David R., to Betz Laboratories, Inc. Method for controlling fouling deposit formation in a liquid hydrocarbonaceous medium. 4,828,674, 5-9-89, Cl. 208-48.0AA.
- Forester, David R., to Betz Laboratories, Inc. Methods for retarding coke formation during pyrolytic hydrocarbon processing. 4,889,614, 12-26-89, Cl. 208-48.0AA.
- Forester, Lewis S.: *See—*
  - Fowlkes, Robert L.; Forester, Lewis S.; and Cooper, George D., 4,868,335, Cl. 564-497.000.
- Forester, Robert J.: *See—*
  - Yeazel, Kenneth L.; and Forester, Robert J., 4,872,801, Cl. 414-409.000.
- Forester, Thomas: *See—*
  - Mathers, James P.; Wood, William P.; and Forester, Thomas, 4,855,264, Cl. 501-98.000.
- Forestier, Alexandre: *See—*
  - Autie, Pascal J. M.; Avignon, Philippe P.; Camusso, Dominique P.; Forestier, Alexandre; and Ulryck, Gilles, 4,858,721, Cl. 181-213.000.
  - Feuvrier, Thierry; and Forestier, Alexandre, 4,820,120, Cl. 415-189.000.
- Forestier, Guy, to Clecim. Closure device with cleaning of a pouring hole. 4,875,663, 10-24-89, Cl. 266-272.000.
- Forestier, Serge; and Mahieu, Claude, to L'Oreal. Polymers capable of absorbing ultraviolet radiation, their preparation and their use in cosmetic compositions. 4,839,160, 6-13-89, Cl. 424-59.000.
- Forestier, Serge; Lang, Gerard; and Sainte Beuve, Edith, to L'Oreal. Polyaminoamides which filter ultraviolet radiation, process for their preparation and their use in the protection of the skin and hair. 4,866,159, 9-12-89, Cl. 528-342.000.
- Forestier, Serge; Moire, Claudine; and Lang, Gerard, to L'Oreal. Cosmetic composition containing hydroxylated chalcone derivatives and its use for protecting the skin and the hair against luminous radiations, new hydroxylated chalcone derivatives employed and process for their preparation. 4,867,964, 9-19-89, Cl. 424-47.000.
- Forestier, Serge: *See—*
  - Lang, Gerard; and Forestier, Serge, 4,828,819, Cl. 424-47.000.
  - Lang, Gerard; Maignan, Jean; Forestier, Serge; Restle, Serge; Lagrange, Alain; and Shroot, Braham, 4,876,381, Cl. 560-56.000.
  - Lang, Gerard; Forestier, Serge; Hocquaux, Michel; Grollier, Jean-Francois; and Rosenbaum, Georges, 4,888,026, Cl. 8-405.000.
- Forestiere, Alain: *See—*
  - Dang Vu, Quang; Durand, Daniel; Le Page, Jean-Francois; Courty, Philippe; and Forestiere, Alain, 4,847,000, Cl. 252-373.000.
- Foret, Francois, to Framatome. Method of determining the alarm threshold of the over-heating ratio, a device for implementing the method, and a method of controlling a nuclear reactor. 4,836,973, 6-6-89, Cl. 376-216.000.
- Foret, Regis; and Genin, Yves. Bicycle fork or similar article based on a resin reinforced by a textile structure and process for manufacturing same. 4,828,285, 5-9-89, Cl. 280-279.000.
- Forfitt, Roy: *See—*
  - Fisher, Celia E.; and Forfitt, Roy, 4,888,948, Cl. 60-223.000.
- Forgach, David J.: *See—*
  - Fibiger, Richard F.; Colucci, Michael J.; Forgach, David J.; Wessling, Ritchie A.; and Schmidt, Donald L., 4,828,700, Cl. 210-500.320.
  - Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., 4,859,384, Cl. 264-45.100.
- Forgacs, Lilla: *See—*
  - Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
  - Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.
  - Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
  - Tigyi, Gabor; Bozoky, Bela; Szegvari, Zsuzsanna; Frank, Tibor; Hajos, Gyorgy; Szporny, Laszlo; and Forgacs, Lilla, 4,882,336, Cl. 514-283.000.
- Forgar, Monica; and Bjornson-Ljungblom, Kerstin, to Molnlycke AB. Tape for securing a hypodermic needle. 4,838,868, 6-13-89, Cl. 604-180.000.
- Forget, Francois: *See—*
  - Viger, Philippe, 4,827,690, Cl. 52-782.000.
- Forghieri, Mauro, to Ferrari, S.p.A. Drive for transmitting motion between a drive shaft and a pair of driven shafts, in particular, the front and rear drive shafts of a motor vehicle. 4,848,187, 7-18-89, Cl. 74-711.000.
- Forgione, Peter S.: *See—*
  - Balwant, Singh; and Forgione, Peter S., 4,882,385, Cl. 525-123.000.
  - Luh, Yuhshi; and Forgione, Peter S., 4,873,365, Cl. 560-345.000.
- Forgo, Laszlo: *See—*
  - Bakay, Arpad; Boda, Janos; Forgo, Laszlo; Papp, Istvan; Kovacs, Gyula; and Laszlo, Karoly, 4,830,102, Cl. 165-151.000.
- Forino, Vincent. Method for making fermented beverages. 4,842,869, 6-27-89, Cl. 426-8.000.
- Forintek Canada Corp.: *See—*
  - Hsu, Wu-Hsiung E., 4,850,849, Cl. 425-407.000.
  - Kirbach, Eberhard; and Sykes, David A., 4,854,207, Cl. 83-823.000.
  - Ruddick, John N. R., 4,836,254, Cl. 144-362.000.
- Forisek, Istvan: *See—*
  - Solymos, Andras; Barsi, Karoly; Kis-Tamas, Laszlo ; Forisek, Istvan; Dorombozi, Laszlo ; and Lukonits, Otto , 4,799,738, Cl. 299-11.000.
- Forja, Christian: *See—*
  - Fraize, Claude R.; Forja, Christian; and Calevo, Robert, 4,802,724, Cl. 350-96.200.
- Fork, Frank W., to H. H. Robertson Company. Electrical trench assembly. 4,805,358, 2-21-89, Cl. 52-126.200.
- Fork, Kurt: *See—*
  - Koziel, Reinhold; Fork, Kurt; and Weidner, Jurgen, 4,814,699, Cl. 324-158.0MG.
- Forker, Donald L.; and Skipper, Gregory E., to AMP Incorporated. Snap board retainer. 4,826,447, 5-2-89, Cl. 439-328.000.
- Forker, James M.: *See—*
  - Gisoni, Gregory A.; and Forker, James M., 4,875,043, Cl. 341-22.000.
- Forkert, Maurice J.; and Key, William D., to Tokheim Corporation. Automatic meter proving and calibration system. 4,831,866, 5-23-89, Cl. 73-3.000.
- Forkner, John F., to Baxter International, Inc. Dual-view arthroscope. 4,838,247, 6-13-89, Cl. 128-6.000.
- Forland, David M.: *See—*
  - Parker, Mark G.; Forland, David M.; Lee, Lester Q.; McGurk, Thomas; Potter, Daniel R.; and Potter, Stephen F., 4,817,304, Cl. 36-114.000.
- Forlani, Orfeo; Ancillotti, Francesco; and Notari, Bruno, to Snamprogetti, S.p.A. Olefin bond isomerization process. 4,814,542, 3-21-89, Cl. 585-666.000.
- Forlow, John K.: *See—*
  - Benedict, Roger J.; and Forlow, John K., 4,879,894, Cl. 72-405.000.
- Form, Michael A., to Computer Sports Systems, Inc. Pinfall detector using video camera. 4,827,412, 5-2-89, Cl. 364-410.000.
- Forman, Brian. One piece toilet seat with lifting feature. 4,843,656, 7-4-89, Cl. 4-251.000.
- Forman, Edward W., Jr.; Provan, Alexander R.; and Schmieder, Ronald R., to Mobil Oil Corporation. Holding arrangement for loading plastic bags. 4,840,335, 6-20-89, Cl. 248-97.000.
- Forman, Edward W., Jr.: *See—*
  - Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; Forman, Edward W., Jr.; and McIntyre, David E., 4,813,792, Cl. 383-75.000.
  - Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; Forman, Edward W., Jr.; and McIntyre, David E., 4,813,793, Cl. 383-75.000.
  - Belmont, Kirk E.; Bullard, Edward M.; DiBiasi, Daniel J.; Forman, Edward W., Jr.; and McIntyre, David E., 4,880,316, Cl. 383-75.000.
- Forman, Meryl A.: *See—*
  - Kortright, Kenneth H.; Hofheinz, David E.; Allman, David M.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,870,003, Cl. 435-5.000.
  - Kortright, Kenneth H.; Hofheinz, David E.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,886,742, Cl. 435-5.000.
- Formanack, James D.; Biondo, Charles M.; and Rhemer, Chris C., to United Technologies Corporation. Apparatus for radiantly heating blade tips. 4,818,833, 4-4-89, Cl. 219-10.570.
- Formanek, Helmut: *See—*
  - Knapek, Erwin; and Formanek, Helmut, 4,837,125, Cl. 430-270.000.
- Formanek, Zdenek: *See—*
  - Puschel, Petr; Formanek, Zdenek; Krivanek, Vaclav; Pokorny, Antonin; Vlasakova, Anna; and Stuchikova, Alena, 4,879,246, Cl. 436-145.000.

- Formatec Tooling Systems, Inc.: *See—*
  - Stewart, Harry D.; and Stodd, Ralph P., 4,881,397, Cl. 72-361.000.
- Formax, Inc.: *See—*
  - Lindee, Scott A., 4,872,241, Cl. 17-32.000.
  - Sandberg, Glenn A., 4,821,376, Cl. 17-32.000.
- Formby, Bobby W.: *See—*
  - Long, Kenneth J.; and Formby, Bobby W., 4,836,371, Cl. 206-334.000.
- Formex Manufacturing, Inc.: *See—*
  - Browning, Robert L., 4,883,918, Cl. 174-1.000.
- Formica Corporation: *See—*
  - Park, John J.; White, Paul W.; and Richardson, Calvin, 4,880,689, Cl. 428-143.000.
- Formica, Joseph: *See—*
  - Hancock, David; Hoyt, Robert; and Formica, Joseph, 4,855,579, Cl. 235-436.000.
- Formigoni, Attilio: *See—*
  - Ciocca, Baldo; Formigoni, Attilio; and Epis, Gino, 4,814,000, Cl. 71-111.000.
- Formigoni, Napolean P.: *See—*
  - Pryor, Roger W.; Klersy, Patrick J.; Piontkowski, Jerry A.; and Formigoni, Napolean P., 4,804,490, Cl. 252-62.3BT.
- Formigoni, Napoleon P.; and Yaniv, Zvi, to Energy Conversion Devices, Inc. Method of fabricating a programmable array. 4,795,657, 1-3-89, Cl. 427-96.000.
- Formigoni, Napoleon P.: *See—*
  - Pryor, Roger W.; Formigoni, Napoleon P.; and Ovshinsky, Stanford R., 4,809,044, Cl. 357-2.000.
  - Pryor, Roger W.; Formigoni, Napoleon P.; and Ovshinsky, Stanford R., 4,845,533, Cl. 357-2.000.
- Formosa Shinn Yuan Industrial Co., Ltd.: *See—*
  - Lu, Chao-Hsiung, 4,796,391, Cl. 52-73.000.
- Formost Packaging Machines, Inc.: *See—*
  - Pace, Vincent C., 4,804,076, Cl. 198-475.100.
  - Pace, Vincent C., 4,832,776, Cl. 156-297.000.
- Formula Systems Limited: *See—*
  - Trett, John; and Bradbeer, Peter F., 4,839,605, Cl. 328-146.000.
  - Trett, John; and Bradbeer, Peter F., 4,864,296, Cl. 340-870.190.
- Formulations Development Labs, Inc.: *See—*
  - Park, Moo K., 4,880,835, Cl. 514-570.000.
- Fornara, Dario: *See—*
  - Garlisi, Salvatore; Turchini, Luigi; Albanini, Aurelio; and Fornara, Dario, 4,797,481, Cl. 536-116.000.
- Fornasari, Paolo, to Eltek, S.p.A. Electromechanical device associated with thermoactuators for use in vehicle climate control and air conditioning systems. 4,819,868, 4-11-89, Cl. 236-49.500.
- Fornasari, Paolo, to Eltek S.p.A. Liquid dispensing device which delivers a pre-set, constant volume independent of the pressure and volume of the liquid supplied to it. 4,842,167, 6-27-89, Cl. 222-249.000.
- Fornasari, Paolo, to Eltek, S.p.A. Pneumatic, water leakage safety device for washing machines. 4,877,049, 10-31-89, Cl. 137-312.000.
- Forne, Ernesto: *See—*
  - Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; Castello, Josep M.; and Ortiz, Jose A., 4,843,165, Cl. 548-341.000.
  - Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; and Ortiz, Jose A., 4,859,675, Cl. 514-255.000.
- Forney, Edgar W.: *See—*
  - Bogar, Jerry H.; and Forney, Edgar W., 4,824,399, Cl. 439-578.000.
- Forney International, Inc.: *See—*
  - Ewing, Donald L., 4,878,831, Cl. 431-79.000.
- Forney, Steve: *See—*
  - Roe, Elman; Ash, William R.; Campbell, Terry; and Forney, Steve, 4,817,391, Cl. 62-17.000.
- Fornof, James D., to Westinghouse Electric Corp. Reactor coolant pump auxiliary seal for reactor coolant system vacuum degasification. 4,847,041, 7-11-89, Cl. 376-308.000.
- Fornuto, Joseph: *See—*
  - Braun, Charles W.; Fornuto, Joseph; and Palmer, Dwight O., 4,805,582, Cl. 123-568.000.
- Forouhar, Siamak: *See—*
  - Chin, Aland K.; Ford, John W., Jr.; and Forouhar, Siamak, 4,847,119, Cl. 427-282.000.
- Forrer, Christian. Automatic solid food dispenser for domestic animals. 4,841,913, 6-27-89, Cl. 119-51.120.
- Forrer, Douglas S., to Pac-Tec, Inc. Abrasive resistant pavement marker. 4,797,024, 1-10-89, Cl. 404-16.000.
- Forrest, Albert W., Jr.: *See—*
  - Ballard, Raymond M.; and Forrest, Albert W., Jr., 4,850,545, Cl. 242-67.10R.
- Forrest, Alexander; and Gordon, Anthony J. Apparatus for producing a restructured food product. 4,886,440, 12-12-89, Cl. 425-208.000.
- Forrest, David M. Music translation device. 4,809,584, 3-7-89, Cl. 84-464.00R.
- Forrest, Ian S.; Seaton, James C.; and Moir, Michael, to Scottish & Newcastle Breweries p/c. Method of enhancing the bitterness of beer. 4,839,189, 6-13-89, Cl. 426-600.000.
- Forrest, John; Stewart, William; and Tulloch, Rory, to Drilex UK Limited. Drop ball sub-assembly for a down-hole device. 4,796,704, 1-10-89, Cl. 166-317.000.
- Forrest, John; Catherall, Roger; Stewart, William; and Pounds, Randall J., to Drilex UK Limited and Eastman Christensen Company. Directional drilling of a drill string. 4,807,708, 2-28-89, Cl. 175-45.000.
- Forrest, John; Tulloch, Rory; and Stewart, William, to Drilex UK Limited. Drill string stabilizer. 4,844,179, 7-4-89, Cl. 175-92.000.
- Forrest, Louis. Adjustable lighting assembly. 4,849,864, 7-18-89, Cl. 362-225.000.
- Forrest, Stephen R., to University of Southern California. Avalanche photodiode with floating guard ring. 4,857,982, 8-15-89, Cl. 357-30.000.
- Forrest, Stephen R., to U.S.C. Method of making avalanche photodiode. 4,876,209, 10-24-89, Cl. 437-5.000.
- Forrest, Stephen R.: *See—*
  - Cheng, Chu-Liang; Cheng, Julian; and Forrest, Stephen R., 4,829,347, Cl. 357-22.000.
- Forrest, Stuart E. Stopper removal apparatus. 4,848,191, 7-18-89, Cl. 81-3.440.
- Forrest, Wayne W.: *See—*
  - Shifley, James D.; Dobbertin, Michael T.; Hubbard, Charles R.; and Forrest, Wayne W., 4,869,051, Cl. 53-540.000.
- Forrest, William J.: *See—*
  - McEwen, Albert R.; and Forrest, William J., 4,874,091, Cl. 206-443.000.
- Forrester, Gilbert. Apparatus for extracting a sample. 4,827,775, 5-9-89, Cl. 73-864.330.
- Forrester, Jeffrey W.: *See—*
  - Newsham, E. A.; Forrester, Jeffrey W.; and Rowley, Duncan J., 4,867,970, Cl. 424-81.000.
- Forrester, Lester L., to General Dynamics Corporation/Pomona Division. Automatic positioner with nonlinear drive. 4,851,749, 7-25-89, Cl. 318-568.110.
- Forrester, Ned C.: *See—*
  - Rose, Robert C.; and Forrester, Ned C., 4,799,173, Cl. 364-518.000.
- Fors, Jan: *See—*
  - Eklund, Vidar; Fors, Jan; Mandell, Leo; Meinander, Kerstin; Selin, Johan-Fredrik; and Turunen, Olli T., 4,861,874, Cl. 536-32.000.
- Forsbach, Heinz-Peter: *See—*
  - Fuchs, Karl-Heinz; Graf, Lothar; and Forsbach, Heinz-Peter, 4,817,829, Cl. 222-259.000.
- Forsberg, Irvine F., to Forsbergs, Inc. Gravity separator. 4,804,463, 2-14-89, Cl. 209-466.000.
- Forsberg, John W., to Lubrizol Corporation, The. Salt compositions for explosives. 4,828,633, 5-9-89, Cl. 149-2.000.
- Forsberg, John W.; Mullay, John J.; and Sohara, Joseph A., to Lubrizol Corporation, The. Explosive compositions. 4,840,687, 6-20-89, Cl. 149-2.000.
- Forsberg, John W., to Lubrizol Corporation, The. Water-in-oil emulsions. 4,844,756, 7-4-89, Cl. 149-2.000.
- Forsberg, John W., to Lubrizol Corporation, The. Explosive compositions using a combination of emulsifying salts. 4,863,534, 9-5-89, Cl. 149-2.000.
- Forsberg, Paul J., to Keystone Retaining Wall Systems, Inc. Retaining wall block. 4,802,320, 2-7-89, Cl. 52-585.000.
- Forsberg, Paul J., to Keystone Retaining Wall Systems, Inc. Block wall. 4,825,619, 5-2-89, Cl. 52-562.000.
- Forsberg, Stefan G.; and Erkander, Ragnar S., to Telefonaktiebolaget L M Ericsson. Encoding method in transmission of plurality of oversampled data channels, and apparatus for carrying out the method. 4,860,286, 8-22-89, Cl. 370-106.000.
- Forsbergs, Inc.: *See—*
  - Forsberg, Irvine F., 4,804,463, Cl. 209-466.000.
- Forschirm, Alex, to Celanese Engineering Resins, Inc. Process for preparing conductive plastic articles. 4,851,081, 7-25-89, Cl. 156-668.000.
- Forschner, Horst. Garment kit and method of assembly thereof. 4,860,900, 8-29-89, Cl. 206-574.000.
- Forschungs-& Entwicklungs-KG: *See—*
  - Schulz, Peter, 4,841,786, Cl. 73-864.250.
- Forsgren, Lyle M., to Brunswick Corporation. Outboard motor tilt mechanism. 4,846,740, 7-11-89, Cl. 440-53.000.
- Forsgren, Lyle M.: *See—*
  - Griffiths, John M.; Forsgren, Lyle M.; Newman, Neil A.; and Beck, Wayne T., 4,872,859, Cl. 440-53.000.
  - Newman, Neil A.; Bankstahl, Herbert A.; Griffiths, John M.; Forsgren, Lyle M.; and Beck, Wayne T., 4,872,857, Cl. 440-1.000.
- Forsheda AB: *See—*
  - Parmann, Gunnar, 4,847,094, Cl. 425-107.000.
  - Petersson, Stefan; Gustafsson, Bror; and Parmann, Gunnar, 4,818,209, Cl. 425-392.000.
- Forshee, Gregory. Deck covering. 4,885,882, 12-12-89, Cl. 52-177.000.
- Forslund, Erik T., to OSA AB. Tree stem feeding device for timber harvesters. 4,834,156, 5-30-89, Cl. 144-242.00D.
- Forsman, Nanna: *See—*
  - Andersson, Lars-Olof; Forsman, Nanna; Larsen, Kerstin E. I.; Lundin, Annelie B.; Pavlu, Bohdan; Sandberg, Inga H.; and Sewerin, Karin M., 4,877,614, Cl. 424-101.000.
- Forsmark, Martin; and Wedlin, Per, to Nya Bat & Maskinkapell HB. Set of ice prods. 4,815,997, 3-28-89, Cl. 441-82.000.
- Forson, Henry M. Wiring test device and method. 4,879,739, 11-7-89, Cl. 379-21.000.
- Forssell, Lars O. H.: *See—*
  - Bernhardsson, Sven-Olov; Eriksson, Hans F.; Norberg, Sven P.; Forssell, Lars O. H.; and Lindqvist, Nils R., 4,798,635, Cl. 148-325.000.
- Forssmann, Bernd; and Eizenhoefer, Harald, to Dornier Medizintechnik GmbH. Underwater electrodes for contactless lithotripsy. 4,809,682, 3-7-89, Cl. 128-24.00A.
- Forssmann, Wolf-Georg: *See—*
  - Carlquist, Mats; Jornvall, Hans; Forssmann, Wolf-Georg; Thulin, Lars; Johansson, Catja; and Mutt, Viktor, 4,806,336, Cl. 424-9.000.
- Forsstrom, Stephanie L.; and Pettigrew, Susan, to Thomas J. Lipton, Inc. Flavored slush snack. 4,808,428, 2-28-89, Cl. 426-569.000.

Forster, Adrian; Geyer, Stefan; Schulmeyr, Josef; Schmidt, Roland; and Gehrig, Manfred, to Hopfen-Extraktion HVG Bart, Raiser & Co. Process for the extraction of nonpolar constituents of hops. 4,842,878, 6-27-89, Cl. 426-286.000.

Forster, Alan R.; Howard, Robert A.; and Williams, Ernest P., to Shell Oil Company. Method and apparatus for analysis of material. 4,833,322, 5-23-89, Cl. 250-288.000.

Forster, David A.; and Crowder, W. Kenneth, to Articor Limited. Auxiliary artificial heart. 4,822,357, 4-18-89, Cl. 623-3.000.

Forster, Dieter: *See—*
Dombrowski, Ferdinand; and Forster, Dieter, 4,836,011, Cl. 73-4.00R.

Forster, Frank; Keller, Karlfried; Becker, Hermann; and Lotz, Werner, to Cassella Aktiengesellschaft. Processing for tanning leather. 4,822,372, 4-18-89, Cl. 8-94.[illegible]

Forster, Friedrich, to Uhde GmbH. Device for achieving a uniform distribution of the gas flowing radially through a catalyst bed. 4,880,603, 11-14-89, Cl. 422-218.000.

Forster, Gervase L., to Hepco Slide Systems Limited. Journal. 4,815,863, 3-28-89, Cl. 384-49.000.

Forster, Gervase L., to Hepco Slide Systems, Ltd. Bearings for slide systems. 4,854,739, 8-8-89, Cl. 384-[illegible].

Forster, Gervase L., to Hepco Slide Systems Limited. Slide systems. 4,887,915, 12-19-89, Cl. 384-57.000.

Forster, Hans R.: *See—*
Beck, Christian A.; Breslawsky, Marc C.; and Forster, Hans R., 4,816,108, Cl. 156-356.000.

Forster, Heinz; Hofer, Wolfgang; Mues, Volker; Eue, Ludwig; and Schmidt, Robert R., to Bayer Aktiengesellschaft. Substituted carboxylic acid amide herbicides. 4,833,243, 5-23-89, Cl. 540-480.000.

Forster, Heinz; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, to Bayer Aktiengesellschaft. Phenoxybenzoic acid compounds and herbicidal and plant growth regulant compositions. 4,889,946, 12-26-89, Cl. 560-21.000.

Forster, Josef; and Selinger, Johann, to Siemens Aktiengesellschaft. Gripping tool for a device for the remote-controlled removal of samples from a container, in particular from a pressure vessel of a reactor. 4,886,635, 12-12-89, Cl. 376-268.000.

Forster, Jurgen; and Bramer, Manfred, to Duetsche Gesellschaft fur Wiederaufarbeitung von Kernbrenstoffen mgH. Remote manipulable device for establishing a transport connection with a remote manipulable tool. 4,881,433, 11-21-89, Cl. 81-55.000.

Forster, Manfred: *See—*
Lindermann, Wilhelm; and Forster, Manfred, 4,813,382, Cl. 122-7.00R.
Tolle, Arnold; Forster, Manfred; Haacker, Heinz; and Wensing, Helmut, 4,848,982, Cl. 48-69.000.

Forster, Markus; Maier, Peter; Gaudlitz, Harald; and Hefka, Richard, to Gesellschaft fur Strahlen- und Umweltforschung mbH. Method and circuit arrangement for reducing the background count in radioactivity measurements with a coincidence-anticoincidence evaluation. 4,837,437, 6-6-89, Cl. 250-336.100.

Forster, Siegmar: *See—*
Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; [illegible], Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,8[illegible], Cl. 123-414.000.

Forstner, Josef: *See—*
Zima, Herbert; and Forstner, Josef, 4,8[illegible], Cl. [illegible].

Forstner, Klaus: *See—*
Noller, Friedemann; and Forstner, Klaus, 4,8[illegible], Cl. 128-633.000.

Forsvarets Forskningsanstalt: *See—*
Malmqvist, Magnus; and Olofsson, Goran, 4,833,093, Cl. 436-527.000.
Roffey, Roger; Olofsson, Goran; Norqvist, Anders; and Hulten, Goran, 4,808,538, Cl. 436-6[illegible].

Forsyth, John L.; and Conant, John P., to Sanders, Royden C., Jr. Serial printer carriage drive with ballistic rebound reversal. 4,889,438, 12-26-89, Cl. 400-320.000.

Forsyth, John P.: *See—*
Forsyth, Robert W.; and Forsyth, John P., 4,813,466, Cl. 152-179.000.

Forsyth, Maria K. Instructional globe. 4,797,102, 1-10-89, Cl. 434-147.000.

Forsyth, Richard C. E., to Mabey & Johnson Ltd. Pin and wedge fastener for connecting lattice panel bridges. 4,846,615, 7-11-89, Cl. 411-355.000.

Forsyth, Robert W.; and Forsyth, John P., to Vehicle Systems Development Corporation. Support track for a wheeled vehicle. 4,813,466, 3-21-89, Cl. 152-179.000.

Forsythe, Carl; Dorminy, John L.; and Raymon, Joseph W., to Gorman-Rupp Company, The. Fluid powered diaphragm pump with cycle timer. 4,856,969, 8-15-89, Cl. 417-395.000.

Forsythe, Jesse G., Jr.: *See—*
Ebersole, Richard C.; Forsythe, Jesse G., Jr.; and Gelormini, Frank T., 4,806,313, Cl. 422-61.000.

Forsythe, John: *See—*
Hoffine, Harold C.; Forsythe, John; and Morgan, Leon, 4,881,849, Cl. 405-128.000.

Fort, Emil M.; and Simmonds, Leonard B., to Westinghouse Electric Corp. Strand-to-strand short circuit tester. 4,842,539, 6-27-89, Cl. 439-262.000.

Fort, Jacques, to Society les Applications Industrielles Vosgiennes [illegible] Abrege. Device for positioning a thin object of low stiffness. 4,824,095, 4-25-89, Cl. 271-245.000.

Fort Lock Corporation: *See—*
Hutzenlaub, John T., 4,838,060, Cl. 70-491.000.
Johnson, Gale, 4,807,354, Cl. 70-491.000.

Fort Valley State College: *See—*
[illegible], Charles, 4,846,959, Cl. 62-457.100.

Forte, Gary L.; Brown, Richard L.; Miller, Wayne; Morris, George L., III; and Prior, Michael D., to United International, Inc. Retaining wall system. 4,804,299, 2-14-89, Cl. 405-284.000.

Forte, Luciano: *See—*
Jordan, Howard E.; Woods, Edward J.; Caruso, John T.; and Forte, Luciano, 4,8[illegible], Cl. 318-[illegible].

Forte, Mark R.; and Noiles, Douglas G., to Joint Medical Products Corporation. Knee and patellar prosthesis. 4,888,021, 12-19-89, Cl. 623-20.000.

Fortenberry, William R.: *See—*
Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,833,416, Cl. 336-60.000.
Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,875,277, Cl. 29-606.000.

Forterre, Gerard, to Thomson Hybrides et Microondes. Integrated hyperfrequency circulator. 4,808,949, 2-28-89, Cl. 333-1.100.

Fortescue, Thomas R.: *See—*
Murray, Charles N.; and Fortescue, Thomas R., 4,887,040, Cl. 324-446.000.

Forth, Leslie; and Lively, Wallace, to Advanced Micro Devices, Inc. Non-linear amplifier for digital network. 4,833,692, 5-23-89, Cl. 375-17.000.

Forth, Wolfgang: *See—*
Rokos, Hartmut; Konczak, Heinz; and Forth, Wolfgang, 4,837,229, Cl. 514-517.000.

Forthmann, Frederick, to Stelron Components, Inc. Label cutting device and method. 4,823,660, 4-25-89, Cl. 83-123.000.

Forti, Steven A.; and McNulty, Robert F. Alarm or warning system for use with an outboard motor. 4,849,738, 7-18-89, Cl. 340-568.000.

Fortier, Germain; Kovacs, Nicolas; and Laliberte, Jean, to Dropo Inc. Fabric with wear and abrasion resistant platelets. 4,810,559, 3-7-89, Cl. 428-161.000.

Fortier, Thomas H., Jr.; and Buetzow, Carl J. Recreational device. 4,820,219, 4-11-89, Cl. 441-66.000.

Fortifiber Corporation: *See—*
Lamb, Vernon L., 4,820,374, Cl. 156-538.000.
Lamb, Vernon L., Sr.; and Boden, Roger D., Sr., 4,810,445, Cl. 264-112.000.
Yount, Stanley G., 4,866,897, Cl. 52-363.000.

Fortin, Conrad. Ceramic tile spacing gauge and tile holder. 4,8[illegible], 8-29-89, Cl. 125-23.001.

Fortin, Michel: *See—*
Clemence, Francois; Fortin, Michel; Le Martret, Odile; and Delevallee, Francoise, 4,8[illegible], Cl. 514-313.000.
Clemence, Francois; Le Martret, Odile; Delevallee, Francoise; and Fortin, Michel, 4,8[illegible], Cl. 514-311.000.
Clemence, Francois; Le Martret, Odile; Fortin, Michel; and Delevallee, Francoise, 4,8[illegible], Cl. [illegible].

Fortin, Paul Emile; and [illegible], Willard M., to Alcan International Limited. [illegible]. 4,8[illegible], Cl. [illegible].

Fortin, Rejean; Lau, Cheuk K.; Guindon, Yvan; Rokach, Joshua; and Yoakim, Christiane, to Merck Frosst Canada, Inc. Method of inhibiting mammalian leukotriene biosynthesis. 4,8[illegible], Cl. [illegible].

Fortin, Rejean: *See—*
Belanger, Patrice; Fortin, Rejean; Guindon, Yvan; Yoakim, Christiane; and Rokach, Joshua, 4,8[illegible], Cl. [illegible].
Guindon, Yvan; Girard, Yves; Lau, Cheuk K.; Fortin, Rejean; Rokach, Joshua; and Yoakim, Christiane, 4,8[illegible], Cl. 514-80.000.
Lau, Cheuk K.; Yoakim, Christiane; Rokach, Joshua; Fortin, Rejean; and Guindon, Yvan, 4,859,667, Cl. 514-224.500.

Fortin, Roland, to INCO Limited. I-T-H pipe cutting tool. 4,8[illegible], 3-7-89, Cl. 166-55.700.

Fortmann, Charles M.: *See—*
O'Dowd, James G.; Catalano, Anthony W.; Fortmann, Charles M.; and Lee, Ora J., 4,880,664, Cl. 427-109.000.

Fortmann, Manfred; and Lehmann, Siegbert, to Internationale Atomreaktorbau GmbH. Multi-layer compensator with spacers arranged between the layers. 4,848,408, 7-18-89, Cl. 138-104.000.

Fortmann, Robert C., to Carter-Hoffmann Corporation. One-piece drawer with integral guide structure. 4,832,422, 5-23-89, Cl. 312-330.0SM.

Fortmann, Robert C.; and Pinnow, Curtis C., to Carter-Hoffmann Corporation. Food treatment cabinet with flash steamer. 4,835,36[illegible], 5-30-89, Cl. 219-401.000.

Fortmann, Robert C.: *See—*
Pinnow, Curtis C.; and Fortmann, Robert C., 4,846,4[illegible], Cl. 312-311.000.

Fortmann, William E.: *See—*
Wynosky, Thomas A.; Larkin, Michael J.; and Fortmann, William E., 4,864,820, Cl. 60-270.100.

Fortnagel, Manfred: *See—*
[illegible], Jorg; Fortnagel, Manfred; Fricker, Ludwig; Kutschera, Immanuel; Kramer, Michael; and Kuhn, Michael, 4,836,161, Cl. 123-299.000.

Fortner, Benjamin A. Readily installed tire cleats with improved fastening means. 4,872,496, 10-10-89, Cl. 152-224.000.

Fortney, Neil K.: *See—*
[illegible], Dennis F.; Fortney, Neil K.; Skroch, Michael; Ziemann, Erich T.; and Post, Kendall E., 4,814,771, Cl. 342-[illegible].

Fortron Inc.: *See—*
[illegible], Ronald L.; and Shepherd, Charles G., 4,821,670, Cl. 116-[illegible].

Fortsch, Bruno: *See—*
[illegible], Ferenc; and Fortsch, Bruno, 4,845,618, Cl. 364-[illegible].

Fortsch, William A., to Thomas & Betts Corporation. Environmental bundling tie. 4,8[illegible], 9-26-89, Cl. 24-[illegible].

Fortuna-Werke Maschinenfabrik GmbH: *See—*
[illegible], Horst J., 4,885,874, Cl. 51-165.770.

Fortune Capital Management B.V.: *See—*
[illegible], Arie C.; and Kruithof, Cornelis, 4,823,814, Cl. 128-[illegible].

Fortune, David J., to GIB Precision Limited. Torque limiting clutch. 4,838,400, 6-13-89, Cl. 192-56.00R.

Forward, John E.: *See—*
Kramer, William E.; Forward, John E.; and Tracy, Michael J., 4,838,497, Cl. 242-57.200.

Forward, Raymond H.: *See—*
Ashby, Derek; Ali, Sajjadali G.; and Forward, Raymond H., 4,825,501, Cl. 15-321.000.

Forward, Robert L.; and Griffin, William S., to United States of America, Air Force. Wideband electromagnetic damping of vibrating structures. 4,795,123, 1-3-89, Cl. 248-550.000.

Forward Technology Industries, Inc.: *See—*
Newkirk, Raymond K.; and Batzlaff, Richard L., 4,872,935, Cl. 156-250.000.

Fory, Werner; and Meyer, Willy, to Ciba-Geigy Corporation. N-heterocyclosulfonyl-N'-triazinylureas. 4,854,963, 8-8-89, Cl. 71-91.000.

Fory, Werner; and Meyer, Willy, to Ciba-Geigy Corporation. N-heterocyclosulfonyl-N'-pyrimidinylureas. 4,881,964, 11-21-89, Cl. 71-91.000.

Fory, Werner: *See—*
Bohner, Beat; Fory, Werner; Schurter, Rolf; and Pissiotas, Georg, 4,804,757, Cl. 544-319.000.
Gass, Karl; Fory, Werner; Meyer, Willy; and Topfl, Werner, 4,835,311, Cl. 564-86.000.
Schurter, Rolf; Meyer, Willy; and Fory, Werner, 4,875,923, Cl. 71-92.000.

Forys, Edward L.; and Gehris, James D., to McDonnell Douglas Corporation. Multiple axis actuator. 4,833,351, 5-23-89, Cl. 310-12.000.

Foschaar, William L.: *See—*
[illegible], Jonathan M.; and Foschaar, William L., 4,824,787, Cl. [illegible].

Foschini, Gerard J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Technique for assigning channels in optical communications to minimize mutual interference. 4,8[illegible], 1-24-89, Cl. [illegible].

Fosdick, Robert E., to Galaxy Microsystems, Inc. Error tolerant microprocessor. 4,8[illegible], Cl. 371-[illegible].

Foseco International Limited: *See—*
Brown, John R.; [illegible], Nigel E.; and King, Russell A., 4,8[illegible], Cl. [illegible].
[illegible], 4,867,422, Cl. 266-216.000.
[illegible], Adrian L., 4,8[illegible], Cl. 164-[illegible].
[illegible], Adrian L., 4,8[illegible], Cl. 164-[illegible].
Harris, Jeffrey A., 4,873,118, Cl. 427-27.000.
[illegible], James F. M., 4,840,[illegible], Cl. 222-[illegible].
[illegible], Richard J., 4,828,[illegible], Cl. 266-45.000.
Neumann, Henry R.; and Stark, Johannes, 4,840,131, Cl. 110-336.000.
Schaefer, Fritz, 4,849,165, Cl. 420-23.000.

Fosaid, Peter T.: *See—*
Puccinelli, Joseph S.; and Fosaid, Peter T., 4,815,563, Cl. 182-130.000.

Foshee, Terry: *See—*
May, Larry; Curtis, Peter; and Foshee, Terry, 4,803,886, Cl. 73-862.390.

Foshee, William R.; and Nixon, Duane B., to Best Lock Corporation. Bar lock apparatus. 4,813,254, 3-21-89, Cl. 70-104.000.

Foshee, William R., to Best Lock Corporation. High security lock. 4,836,001, 6-6-89, Cl. 70-368.000.

Foshee, William R.; Nixon, Duane B.; and Palmer, Ralph P., to Best Lock Corporation. Disposable construction core. 4,843,852, 7-4-89, Cl. 70-367.000.

Foshee, William R., to Best Lock Corporation. Escutcheon assembly. 4,873,853, 10-17-89, Cl. 70-452.000.

Foskett, Timothy G.; and Drake, James R. Closed loop velocity/altitude sensor for FM-CW doppler radars. 4,806,935, 2-21-89, Cl. 342-120.000.

Foslien, Floyd L.: *See—*
Froelich, Harold E.; and Foslien, Floyd L., 4,874,122, Cl. 227-19.000.

Fosnacht, Donald R.: *See—*
Peters, Anthony T.; Fosnacht, Donald R.; and Knoepke, John R., 4,848,755, Cl. 266-216.000.
Peters, Anthony T.; Fosnacht, Donald R.; and Knoepke, John R., 4,849,167, Cl. 420-129.000.

Fosnaugh, William L., to ACCO World Corporation. Electrical connector device. 4,861,286, 8-29-89, Cl. 439-651.000.

Fosnaught, Edward F.: *See—*
Fleming, Harry A., Jr.; Fosnaught, Edward F.; and Wehman, Robert L., 4,8[illegible], Cl. 52-[illegible].

Fospur Limited: *See—*
Brookes, Gerald F.; and Spencer, Lynne, 4,857,221, Cl. 252-61.000.
Brookes, Gerald F.; and Spencer, Lynne, 4,859,318, Cl. 209-166.000.

Fosroc International Limited: *See—*
Smart, Roderick M., 4,8[illegible], Cl. 106-[illegible].
Vines, Robert F., 4,8[illegible], Cl. 44-[illegible].
Vines, Robert F., 4,875,937, Cl. 106-104.000.

Foss, Robert P.: *See—*
[illegible], Richard C.; and Foss, Robert P., 4,840,756, Cl. 264-22.000.

Fossati, Piero, to Miles Inc. Method and system for determining the presence of adenosine triphosphate or flavin mononucleotide. 4,806,415, 2-21-89, Cl. 435-14.000.

Fosse, Daniel R. Method of forming packaging and packaging structure in accordance with the method. 4,86[illegible], 8-29-89, Cl. 206-204.000.

Fosse, Raymond; and Thevenon, Henri, to Les Cables de Lyon. Flexible splice for an impregnated paper submarine cable. 4,833,275, 5-23-89, Cl. 174-21.00R.

Fosset, Jean-Maurice: *See—*
Moret, Jacques; Fosset, Jean-Maurice; Couturier, Jacques; and Viard, Noel, 4,797,524, Cl. 219-10.690.

Fossey, Robin E., to Container Design Limited. Neck frame for a container. 4,809,873, 3-7-89, Cl. 220-324.000.

Fossey, Robin E., to Container Design Limited. Temperature controllable tank container. 4,882,912, 11-28-89, Cl. 62-297.000.

Fossion, Jacques: *See—*
Baudier, Philippe; De Boeck, Arthur; and Fossion, Jacques, 4,832,958, Cl. 424-473.000.
Baudier, Philippe; De Boeck, Arthur; and Fossion, Jacques, 4,859,469, Cl. 424-462.000.

Fossum, Eric R., to Inertia Dynamics, Inc. Electromagnetic clutch/brake assembly. 4,878,568, 11-7-89, Cl. 192-18.00B.

Fossum, Tryggve; Hetherington, Ricky C.; Fite, David B., Jr.; Manley, Dwight P.; McKeen, Francis X.; and Murray, John E., to Digital Equipment Corporation. Method and apparatus using a cache and main memory for both vector processing and scalar processing by prefetching cache blocks including vector data elements. 4,888,679, 12-19-89, Cl. 364-200.000.

Fost, David L.: *See—*
Williams, Walter J.; and Fost, David L., 4,8[illegible], Cl. [illegible].

Fost, Ian M., to Domino Printing Sciences PLC. Ink jet printing head. 4,809,017, 2-28-89, Cl. 346-75.000.

Foster, Asa D. Apparatus for determining impact force upon a vehicle in traveling a curve. 4,8[illegible], Cl. [illegible].

Foster, [illegible] F.; and Berg, Allan L. Plasma furnace. 4,8[illegible], 11-28-89, Cl. [illegible].

Foster, [illegible] D. Double diaphragm pressure switch for a well water system. 4,8[illegible], Cl. 417-[illegible].

Foster, [illegible], Inc.: *See—*
[illegible], David F.; and Johnston, James H., 4,841,844, Cl. [illegible].

Foster, Brian C.; and Lind, Roger R., to Ceramics Process Systems Corporation. Substrates with dense metal vias. 4,8[illegible], Cl. [illegible].

Foster, Brian C.: *See—*
Barringer, Eric A.; Foster, Brian C.; Hodge, James D.; and Lind, Roger R., 4,8[illegible], Cl. 428-210.000.

Foster, Bruce A.; and Hedges, Raymond, to Steel Engineering Company Limited, The. Drilling boom. 4,79[illegible], 1-24-89, Cl. 173-[illegible].

Foster, Bruce W.; [illegible], Clyde R.; and Stuart, Richard K., Jr., to Eastman Kodak Company. Hot-melt adhesive composition. 4,88[illegible], 12-12-89, Cl. 524-477.000.

Foster, Charles H.: *See—*
Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne L.; Hubbs, John C.; and Foster, Charles H., 4,839,344, Cl. 514-16.000.
Bowers, Cyril Y.; Momany, Frank A.; Chang, Ching H.; Cody, Wayne; Hubbs, John C.; and Foster, Charles H., 4,880,778, Cl. 514-12.000.

Foster, Charles W. Device for watering and removing water from cut plant containers. 4,850,137, 7-25-89, Cl. 47-79.000.

Foster, Clark B.: *See—*
Haber, Terry M.; Smedley, William H.; and Foster, Clark B., 4,804,370, Cl. 604-195.000.
Haber, Terry M.; Foster, Clark B.; and Smedley, William H., 4,808,169, Cl. 604-195.000.
Haber, Terry M.; and Foster, Clark B., 4,810,249, Cl. 604-210.000.
Haber, Terry M.; Foster, Clark B.; Smedley, William H.; and Lewis, John A., Jr., 4,813,426, Cl. 128-763.000.
Haber, Terry M.; Lewis, John A.; and Foster, Clark B., 4,813,935, Cl. 604-99.000.
Haber, Terry M.; Foster, Clark B.; and Lewis, John A., Jr., 4,820,275, Cl. 604-198.000.
Haber, Terry M.; Smedley, William H.; and Foster, Clark B., 4,826,484, Cl. 604-110.000.
Haber, Terry M.; Foster, Clark B.; and Smedley, William H., 4,826,489, Cl. 604-195.000.
Haber, Terry M.; Smedley, William H.; and Foster, Clark B., 4,834,717, Cl. 604-193.000.

Heber, Terry M.; and Foster, Clark R., 4,846,808, Cl. 604-195.000.
Foster, Craig L. Semi-spherical golf club grip structure. 4,804,181, 2-14-89, Cl. 273-81.00B.
Foster, Danny G.: *See—*
  Brodersen, Cole T.; and Foster, Danny G., 4,838,123, Cl. 297-417.000.
  Brodersen, Cole T.; and Foster, Danny G., 4,856,761, Cl. 297-113.000.
Foster, David A.: *See—*
  Miller, Richard F.; and Foster, David A., 4,806,028, Cl. 384-510.000.
Foster, David J.; and Pickering, Andrew J., to Plessey Overseas Limited. Method of making a [illegible] model. 4,837,179, 6-6-89, Cl. 437-44.000.
Foster, David M., to Gillette Co., The. Subdividable carton for containerized products. 4,826,016, 5-2-89, Cl. 206-601.000.
Foster, David R.; and Schneider, Irwin, to United States of America, Navy. Method for forming copious $(F_2^+)_A$ centers in certain stable, broadly tunable laser-active materials. 4,881,234, 11-14-89, Cl. 372-42.000.
Foster, David W., to Soft Vac, Inc. Portable appliance cover. 4,876,762, 10-31-89, Cl. 15-247.000.
Foster, Dean H.; and Janatka, Karel, to Pitney Bowes Inc. Single cycle envelope flap opener. 4,813,209, 3-21-89, Cl. 53-381.00R.
Foster, Dennis M.: *See—*
  Colquitt, Michael L.; Gerke, Robert D.; Kwoka, Mark A.; and Foster, Dennis M., 4,801,065, Cl. 228-19.000.
Foster, Derek W., to J. C. Bamford Excavators Limited. Mounting a working implement. 4,810,162, 3-7-89, Cl. 414-723.000.
Foster, Donald D.; and Nelson, Philip L., to Realex Corporation. Product dispenser with shiftable closure blade. 4,848,595, 7-18-89, Cl. 222-153.000.
Foster, Donald D.: *See—*
  Moore, David G.; and Foster, Donald D., 4,838,460, Cl. 222-153.000.
Foster, Donald L., to United States of America, Army. Separator for lithium batteries and lithium batteries including the separator. 4,812,375, 3-14-89, Cl. 429-101.000.
Foster, Gary H., to White Consolidated Industries, Inc. Apparatus for cutting vegetation. 4,852,258, 8-1-89, Cl. 30-276.000.
Foster, Gary H.: *See—*
  Collins, Imack L.; Stuart, Jerry E.; and Foster, Gary H., 4,835,867, Cl. 30-276.000.
Foster, George: *See—*
  Rudell, Elliot A.; and Foster, George, 4,813,680, Cl. 273-249.000.
  Rudell, Elliott; Cernansky, Joe; Acton, Ian; Ramrath, Rick; and Foster, George, 4,850,498, Cl. 215-12.100.
Foster, George N.; Petty, Herbert E.; and Blevins, Charles H., II, to Union Carbide Chemicals and Plastics Company Inc. Polysiloxanes with pendant sterically hindered phenol moiety connected to the silicon atom via a carbonyloxy-containing link. 4,879,378, 11-7-89, Cl. 528-[illegible].
Foster, H. Dell: *See—*
  Heaston, Ralph E.; and Foster, H. Dell, 4,825,394, Cl. 364-571.010.
Foster, Homer E.: *See—*
  [illegible], Ronald L.; Hanekamp, David A.; and Foster, Homer E., [illegible].
Foster, Isaac P., Jr.; [illegible], Robert F.; and Payne, Donald, to McDermott International, Inc. Ocean transport of pre-fabricated offshore structures. [illegible], Cl. 114-72.000.
Foster, J. W.; and Foster, W. June. Adjustable cranial head support. 4,833,776, [illegible], Cl. 128-33.000.
Foster, James: *See—*
  Nguyen, Hai T.; Veinot, Dwight E.; and Foster, James, 4,888,037, Cl. 106-18.120.
Foster, James C.: *See—*
  Stone, Earl L., III; Foster, James C.; and Whitcher, Stanley L., 4,862,763, Cl. 74-772.000.
Foster, James F.: *See—*
  Boyer, Michael R.; Foster, James F.; and Gyger, Jack D., 4,846,073, Cl. 104-88.000.
  Pol, Kenneth J.; Foster, James F.; Gyger, Jack D.; and Hyland, Lawrence P., 4,804,173, Cl. 271-11.000.
Foster, John: *See—*
  Honey, Francis J.; Kedward, Eric C.; and Foster, John, 4,810,334, Cl. 204-16.000.
Foster, John P.: *See—*
  Sabol, George P.; Worcester, Samuel A.; and Foster, John P., 4,814,136, Cl. 376-416.000.
Foster, John W.: *See—*
  Fryda, Lawrence J.; and Foster, John W., 4,807,201, Cl. 367-99.000.
Foster, Johnny R., to Household Commercial Financial Services Inc. Temperature compensated Hall-effect sensor apparatus. 4,833,406, 5-23-89, Cl. 324-225.000.
Foster, Joseph C., Jr.; and Bilek, Andrew G., to United States of America, Air Force. Bomb pallet design with hydraulic damping and fire suppressant. 4,878,415, 11-7-89, Cl. 89-34.000.
Foster, Joseph F.: *See—*
  Hagerman, Richard E.; and Foster, Joseph F., 4,823,224, Cl. 361-37.000.
Foster, Kenneth L.: *See—*
  Rose, Gene D.; Test, Arthur S.; and Foster, Kenneth L., 4,800,016, Cl. 252-102.000.
Foster, Kevin D., to Porex Technologies Corp. of Georgia. Cap for tubes. 4,886,177, 12-12-89, Cl. 215-247.000.
Foster, L. Dale; and Niese, Virgil J., to Hill-Rom Company, Inc. Hospital bed with pivoting headboard. 4,811,435, 3-14-89, Cl. 5-60.000.
Foster, L. Dale: *See—*
  Koerber, Clement J., Sr.; Gallant, Dennis J.; and Foster, L. Dale, [illegible], Cl. 340-[illegible].
Foster, Larry L. Method of cutting metal stud and bending and securing same to form angel member. [illegible], 10-24-89, Cl. 29-[illegible].
Foster, Lester F., Jr. Method of repairing carbon fiber rapiers and repaired rapier. 4,817,679, 4-4-89, Cl. 139-[illegible].
Foster, Lewis R. Button attachment. 4,823,730, 4-25-89, Cl. 114-[illegible].
Foster, Marcus L.: *See—*
  [illegible], Michael G.; Patel, Sharadchandra D.; Cross, James E.; and Foster, Marcus L., 4,797,[illegible], Cl. 303-912.000.
Foster, Mark H.: *See—*
  [illegible], Michael R.; and Foster, Mark H., 4,844,[illegible], Cl. [illegible].
Foster, Michael M.; and Racely, Kermit L., to Delaware Capital Formation, Inc. Elevator system having an improved selector. [illegible], 1-17-89, Cl. 187-28.000.
Foster, Michael S. Method of mass producing damage-resistant compact discs. 4,836,874, 6-6-89, Cl. 156-209.000.
Foster-Miller, Inc.: *See—*
  Boyce, Joseph S.; Wallis, Roland R., Jr.; and Bullock, Daniel E., 4,808,461, Cl. 428-119.000.
  Kovak, Robert; and Wallis, Roland R., Jr., 4,845,150, Cl. 524-602.000.
  Lusignea, Richard W.; and Stevenson, William A., 4,871,595, Cl. 428-1.000.
  Rubin, Leslie S.; and Hug, Hans A., 4,882,094, Cl. 252-633.000.
  Stevenson, William A., 4,798,954, Cl. 250-341.000.
Foster, Milton E. Champagne bottle cork puller and inserting apparatus. 4,798,106, 1-17-89, Cl. 81-3.290.
Foster, Nigel: *See—*
  Young, Steve; and Foster, Nigel, 4,870,357, Cl. 324-158.00R.
Foster, Raymond K. Single piston rod hydraulic drive. 4,817,781, 4-4-89, Cl. 198-750.000.
Foster, Raymond K. Drive/frame assembly for a reciprocating floor. 4,821,868, 4-18-89, Cl. 198-750.000.
Foster, Raymond K. Improved drive system for a reciprocating floor conveyor. 4,823,938, 4-25-89, Cl. 198-750.000.
Foster, Raymond K. Bearing system for reciprocating floor conveyor. 4,858,748, 8-22-89, Cl. 198-750.000.
Foster, Robert: *See—*
  Brors, Daniel L.; Lane, Larry R.; Goldsborough, Mark W.; Sweet, Jason M.; van Mastrigt, Max; and Foster, Robert, 4,798,502, Cl. 118-725.000.
Foster, Robert J.; and Longbrake, Beth A., to Motorola, Inc. Microprocessor based BCH decoder. [illegible], 8-8-89, Cl. 371-37.000.
Foster, Robert J.; Foster, Robert F.; and Mihm, Thomas J., Jr., to Motorola, Inc. Hierarchical key management system. [illegible], 12-19-89, Cl. 380-21.000.
Foster, Robert J., to Pressure Products Company, Inc. Tight pin assembly. [illegible], Cl. 73-[illegible].
Foster, Robert W.; and Kamenski, Donald J., to Associated Mills Inc. Bipolar immersion detection circuit interrupter. [illegible], Cl. 361-42.000.
Foster, Robert W., Jr., to Associated Mills Inc. Ionizer. [illegible], Cl. 361-231.000.
Foster, Robert W., Jr., to Dart Industries Inc. Photogrammetric electronic temperature control for cooking units. [illegible], Cl. 219-[illegible].
Foster, Robert W., Jr., to Associated Mills Inc. Non-defeatable safety mechanical actuators for appliances. [illegible], Cl. 361-20.000.
Foster, Ruth E.: *See—*
  Anderson, Robert K.; Foster, Ruth E.; and Carlson, Beryl B., 4,828,210, Cl. 248-229.000.
  Anderson, Robert K.; Foster, Ruth E.; and Levine, Jeffrey A., 4,838,206, Cl. 119-130.000.
Foster, Scott H.: *See—*
  Nazarathy, Moshe; Newton, Steven A.; and Foster, Scott H., 4,812,038, Cl. 356-73.100.
Foster, Stephen C.: *See—*
  Flores, Michael; Foster, Stephen C.; and Braga, Gary J., [illegible], Cl. 370-94.000.
Foster, Stephen J.: *See—*
  Sovak, Milos; and Foster, Stephen J., 4,863,714, Cl. 424-5.000.
Foster, Stephen R.; and Oschmann, Thomas R. Wringer device. 4,889,049, 12-26-89, Cl. 100-171.000.
Foster, Steven M.: *See—*
  Bowen, Kim E.; Foster, Steven M.; and Izadi, Said, 4,851,190, Cl. 419-66.000.
Foster, Stuart L.: *See—*
  McDavid, Larry S.; Pawlowski, Michael; Foster, Stuart L.; and Stillman, Gerald T., 4,805,122, Cl. 364-557.000.
Foster, Terence J. C.: *See—*
  Blackburn, Arthur M.; O'Neill, Robert A.; Foster, Terence J. C.; and White, Ian G., 4,829,280, Cl. 337-299.000.
Foster, Terry L.: *See—*
  Brewer, John H.; and Foster, Terry L., 4,810,629, Cl. 435-[illegible].
Foster, Thomas S.: *See—*
  Hussain, Anwar A.; Dittert, Lewis W.; and Foster, Thomas S., 4,885,287, Cl. 514-159.000.
Foster, Thomas V.; Jones, Stanley P.; and Alderson, David L., to Emhart Industries, Inc. Method of forming a pattern in the outer surface of hollow articles of glassware. 4,798,617, 1-17-89, Cl. [illegible].

Foster, Thomas V., to Emhart Industries, Inc. Apparatus for holding mould side portions in a glassware forming machine. 4,826,524, 5-2-89, Cl. [illegible].
Foster, Van B., to Beecham Home Improvements Products Inc. Butyl rubber preformed tape sealant. [illegible], Cl. [illegible].
Foster, W. June: *See—*
  Foster, J. W.; and Foster, W. June, 4,833,776, Cl. 128-33.000.
Foster, Wayne G.: *See—*
  Thompson, Kenneth J.; Foster, Wayne G.; Rosenquist, Joel C.; and [illegible], David B., [illegible], Cl. 156-[illegible].
Foster Wheeler Development Corporation: *See—*
  Robertson, Archibald S., II, [illegible], Cl. 122-4.00D.
Foster Wheeler Energy Corporation: *See—*
  Alliston, Michael G.; and [illegible], Kenneth A., [illegible], Cl. 110-345.000.
  [illegible], James D., [illegible], Cl. 110-173.00R.
  [illegible], Frantisek L., [illegible], Cl. 165-67.000.
  Fitzgerald, Francis D., 4,865,540, Cl. 431-89.000.
  Garcia-Mallol, Juan A., 4,809,623, Cl. 110-347.000.
  Garcia-Mallol, Juan A.; and Alliston, Michael G., 4,809,625, Cl. 110-347.000.
  Houghton, Fred; and Holmes, Paul, 4,831,958, Cl. 122-362.000.
  [illegible], Charles V., 4,858,564, Cl. 122-441.000.
  [illegible], Byram J.; Fay, John D.; and Garkawe, Michael, 4,880,450, Cl. 55-[illegible].
  Rabe, George B., 4,819,525, Cl. 82-1.110.
  Rabe, George B., 4,846,895, Cl. 134-22.110.
  VanRhyn, Lucas H., 4,798,928, Cl. 219-60.200.
Foster Wheeler USA Corporation: *See—*
  Banquy, David L., 4,888,130, Cl. 252-373.000.
Foster, William B. Core orientation system. 4,883,131, 11-28-89, Cl. 175-44.000.
Foster, William H. Electrical tap switch. 4,875,152, 10-17-89, Cl. 363-146.000.
Foster, William T.: *See—*
  Eustice, Harold L.; and Foster, William T., 4,858,921, Cl. 273-26.00R.
Fostex Corporation of Japan: *See—*
  Tamura, Shigeki, 4,878,040, Cl. 338-158.000.
Fothergill, Kevin A.: *See—*
  Egerton, Terence A.; and Fothergill, Kevin A., 4,806,333, Cl. 423-625.000.
  Egerton, Terence A.; Fothergill, Kevin A.; and Dransfield, Graham P., 4,851,293, Cl. 428-403.000.
Foti, Michael; and Embry, James. Battery life extender. 4,840,855, 6-20-89, Cl. 429-120.000.
Fotland, David A.: *See—*
  [illegible], Allen J.; Miller, Terrence C.; and Fotland, David A., [illegible], Cl. [illegible].
[illegible] B.V.: *See—*
  [illegible], Robert P., [illegible], Cl. [illegible].
[illegible]; [illegible], Michael; and [illegible], Arnold, to Carl Freudenberg, Firma. Multilayer electret filter and process of using same. [illegible], Cl. [illegible].
[illegible]. A leadless ceramic chip carrier. 4,857,988, 8-15-89, Cl. 357-74.000.
[illegible], Franz, to Veit GmbH & Co. Tunnel finisher having removable inner structures. [illegible], Cl. 38-14.000.
[illegible], Johannes: *See—*
  [illegible], Rolf; [illegible], Peter; and [illegible], Johannes, [illegible], Cl. [illegible].
Foty, James V.: *See—*
  [illegible], Norman H.; and Foty, James V., 4,808,068, Cl. [illegible].
Foty, Michael J.: *See—*
  [illegible], Neil P.; Foty, Michael J.; and Novak, Richard P., [illegible], Cl. 29-601.000.
[illegible], Jean P., to Armodel S.A. Anti-vibration mounting device for a compact disk player. 4,796,849, 1-10-89, Cl. 248-619.000.
Foucault, Joel; and Bonnargent, Alain, to Ermeto-Hydexco. Tube joint comprising means for anchoring a sleeve at its end. 4,805,945, 2-21-89, Cl. 285-341.000.
Fouche, Yvon; [illegible], Philippe; and Drabowitch, Serge, to Thomson-CSF. Filter, phase-measuring device and method for application of said filter. [illegible], 9-5-89, Cl. 324-83.00R.
Foucher, Bernard: *See—*
  Berroyer, Paul; Pas, Eric; Foucher, Bernard; and Bouilliez, Leon, 4,825,940, Cl. 165-84.000.
Foucher, Claude: *See—*
  Latorre, Bernard; and Foucher, Claude, 4,826,143, Cl. 267-148.000.
Fougere, Guy L.: *See—*
  Durst, Robert T., Jr.; Fougere, Guy L.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,853,869, Cl. 364-478.000.
  Sansone, Ronald P.; and Fougere, Guy L., 4,853,865, Cl. 364-464.020.
Fougeron, Charles; Fidon, Jean J.; and Janiaut, Herve, to Somafer S.A. Apparatus for treatment of radioactive liquid. 4,849,184, 7-18-89, Cl. 422-159.000.
Fought, Eric R.: *See—*
  Andresen, Brian D.; and Fought, Eric R., 4,867,947, Cl. 422-70.000.
Fought, Gerald E.; and Herrmann, Raymond J., to Invacare Corporation. Wheelchair with combined wheel lock and hill holder. 4,887,830, 12-19-89, Cl. 280-304.100.
Fouillet, Jean: *See—*
  Chevalier, Rene; and Fouillet, Jean, 4,837,561, Cl. 341-760.000.
Fouillout, Christian; and [illegible], Daniel, to Societe Nationale Elf Aquitaine (Production). Method of pumping hydrocarbons from a mixture of said hydrocarbons with an aqueous phase and installation for the carrying out of the method. [illegible], 2-21-89, Cl. 166-265.000.
Fouke, Herbert A.; and Brass, John R., to Manville Corporation. High efficiency luminaire with high angle brightness control. 4,816,976, 3-28-89, Cl. 362-309.000.
Fouke, Herbert A., to Manville Corporation. Luminaire with uplight control. [illegible], Cl. 362-[illegible].
Foulard, Jean; Nicolas, Jacques; and Migeon, Jean-François. Process for protecting against oxidation and/or nitridation of a liquid metal stream and device for carrying out the process. [illegible], 2-21-89, Cl. 164-475.000.
Foulds, Anthony G.; and Bakrania, Lekha, to Wiggins Teape Group Limited, The. Self-adhesive label assembly. 4,868,152, 9-19-89, Cl. [illegible].
Foulds, Richard A.: *See—*
  Edwards, Alan M.; and Foulds, Richard A., 4,866,072, Cl. 514-291.000.
Fouletier, Mireille: *See—*
  Armand, Michel; Fouletier, Mireille; and Degott, Pierre, 4,803,249, Cl. 525-326.200.
Foulkes, Graham S.: *See—*
  O'Sullivan, Terence J.; Mould, George W.; Armstrong, David E.; Foulkes, Graham S.; and Davis, Michael B., 4,856,848, Cl. 297-391.000.
Foulkes, Stephen N.: *See—*
  Baker, Ralph; and Foulkes, Stephen N., 4,871,394, Cl. 75-232.000.
Foulletier, Louis, to PCUK-Produits Chimiques Ugine Kuhlmann. Process for gaseous phase fluorination of aliphatic chlorinated or chlorofluorinated hydrocarbons. 4,876,406, 10-24-89, Cl. 570-165.000.
Foulsham, Peter G.: *See—*
  Bennett, James; Heath, Martin R.; and Foulsham, Peter G., 4,826,104, Cl. 244-3.220.
Foultner, Jerry L.; and Foultner, Wesley F., to Foultner, Nancy E. Dash mounting device. 4,846,382, 7-11-89, Cl. 224-42.420.
Foultner, Nancy E.: *See—*
  Foultner, Jerry L.; and Foultner, Wesley F., 4,846,382, Cl. 224-42.420.
Foultner, Wesley F.: *See—*
  Foultner, Jerry L.; and Foultner, Wesley F., 4,846,382, Cl. 224-42.420.
Foundation: The Research Institute for Special Inorganic Materials, The: *See—*
  Hasegawa, Yoshio; and Okamura, Kiyohito, 4,879,334, Cl. 525-474.000.
Foundation: The Research Institute of Electric and Magnetic Alloys, The: *See—*
  Masumoto, Hakaru; and Murakami, Yuetsu, 4,830,685, Cl. 148-313.000.
  Masumoto, Hakaru; and Murakami, Yuetsu, 4,834,815, Cl. 148-[illegible].
  Masumoto, Hakaru; Sawaya, Shirohachi; and Hinai, Masakatsu, [illegible], Cl. [illegible].
  Masumoto, Hakaru, deceased; Watanabe, Kiyoshi; and Matsushima, Hiroshi, executor, [illegible], Cl. [illegible].
  Masumoto, Hakaru, deceased; Matsushima, Hiroshi, executor; and Watanabe, Kiyoshi, [illegible], Cl. 148-[illegible].
Fountain, Frank E.; Posey, Donald K.; and McCoy, Keith A., to Du Pont de Nemours, E. I., and Company. Tape inspection apparatus. [illegible], 3-14-89, Cl. [illegible].
Fountain, Glen L. Vehicle for supporting an implement. 4,819,738, 4-11-89, Cl. 172-292.000.
Fountain, Martin L. Hairdresser's station. 4,863,217, 9-5-89, Cl. 297-241.000.
Fountain, Michael W.: *See—*
  Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.
Fountain, Terence J.: *See—*
  Matthews, Kim N.; and Fountain, Terence J., 4,799,154, Cl. 364-200.000.
Fouquet, Jean M. Device for supporting movable cover elements. 4,854,363, 8-8-89, Cl. 160-98.000.
Four M Corporation: *See—*
  Schmitz, Ronald F., 4,850,948, Cl. 493-379.000.
Four Nines, Inc.: *See—*
  Santoleri, Joseph J.; and Ross, Richard D., 4,882,009, Cl. 159-4.200.
Four Paws Products, Ltd.: *See—*
  Simon, Allen, 4,840,143, Cl. 119-52.00R.
Four Seasons Solar Products Corporation: *See—*
  Esposito, Christopher, 4,864,783, Cl. 52-86.000.
  Gilliland, Terry, 4,823,519, Cl. 52-93.000.
  Gilliland, Terry L., 4,815,242, Cl. 52-90.000.
Fourcadier, Chantal: *See—*
  Grollier, Jean F.; Fiquet, Claire; Fourcadier, Chantal; Dubief, Claude; Mondet, Jean; and Cauwet, Daniele, 4,842,849, Cl. 424-70.000.
  Grollier, Jean F.; Fourcadier, Chantal; and Courtois, Monique, 4,851,154, Cl. 252-546.000.
  Grollier, Jean F.; and Fourcadier, Chantal, 4,876,085, Cl. 424-47.000.
  Grollier, Jean-François; and Fourcadier, Chantal, 4,840,790, Cl. 424-70.000.
  Grollier, Jean-François; Allec, Josiane; Fourcadier, Chantal; Rosenbaum, Georges; and Darmenton, Patrick, [illegible], Cl. 424-74.000.

Fourcin, Adrian J.: *See—*
Walliker, John R.; Rosen, Stuart M.; and Fourcin, Adrian J., 4,809,329, Cl. 381-36.000.

Fourdraine, John D., to Control Data Corporation. Modem ringing supression circuit. 4,845,741, 7-4-89, Cl. 379-98.000.

Fourez, Michel; Lonca, Michel; and Pichant, Patrick. Anticorrosion coating composition, process for applying it and coated threaded components. 4,799,959, 1-24-89, Cl. 106-1.160.

Fourgaut, Luc R.: *See—*
Ledoux, Patrick R.; and Fourgaut, Luc R., 4,863,365, Cl. 425-343.000.

Fourie, Eugene; and Rumsey, Steven C., to American Standard Inc. Hydropneumatic brake actuator arranged to maintain a constant brake shoe clearance. 4,802,559, 2-7-89, Cl. 188-196.00A.

Fourmentraux, Philippe: *See—*
Gancet, Christian; Guignard, Claude; and Fourmentraux, Philippe, 4,855,233, Cl. 435-135.000.

Fournials, Jean-Paul: *See—*
Schapira, Joseph; Pecheur, Jacques; Vincent, Jacques; Droniou, Patrick; and Fournials, Jean-Paul, 4,813,999, Cl. 71-105.000.

Fournier, Alain; and Kennedy, John F., to Societe de Construction des Avions Hurel-Dubois. Aircraft power unit of the type with faired blower equipped with a thrust reverser with doors. 4,801,112, 1-31-89, Cl. 244-110.00B.

Fournier, Bernard; Contal, Maurice; and Vergez, Andre, to La Telemecanique Electrique. Arrangement for change-over contact apparatus protection with interlocking member and module. 4,803,587, 2-7-89, Cl. 361-24.000.

Fournier, Bernard, to La Telemecanique Electrique. Device for rendering contactors electrically and mechanically inoperative. 4,876,418, 10-24-89, Cl. 200-50.00C.

Fournier, Christian, to Fournier Drainage S.A. Method and device for drainage of borders of all stabilized civil engineering areas or of adjacent borders of a structure. 4,806,043, 2-21-89, Cl. 404-2.000.

Fournier, Donald J.; Jacobs-Perkins, Douglas W.; and Tarello, William R., to Survival Technology, Inc. Method of reconstituting a hazardous material in a vial, relieving pressure therein, and refilling a dosage syringe therefrom. 4,834,149, 5-30-89, Cl. 141-1.000.

Fournier Drainage S.A.: *See—*
Fournier, Christian, 4,806,043, Cl. 404-2.000.

Fournier Innovation et Synergie: *See—*
Maunand, Jean, 4,819,352, Cl. 40-107.000.
Robin, Jacques; Pruneau, Didier; and Bellamy, Francois, 4,806,544, Cl. 514-278.000.
Samreth, Soth; Bellamy, Francois; and Millet, Jean, 4,877,808, Cl. 514-432.000.

Fournier, James L. Method for removing O-rings and backup rings from annular indentations. 4,813,120, 3-21-89, Cl. 29-426.600.

Fournier, James L., to JLF Designs, Inc. Article of luggage or the like and method of making same. 4,872,538, 10-10-89, Cl. 190-111.000.

Fournier, Jean; and Casariego, Adrian, to Stein Industrie. Device for shielding boiler baffles, in particular for refuse incinerator furnaces, and a method for the constructon of said device. 4,809,645, 3-7-89, Cl. 122-6.00A.

Fournier, Jean; and Meynard, Paul, to Stein Industrie. Device for fixing loops in a component of a heat exchanger constituted by tubes in which a fluid flows. 4,825,943, 5-2-89, Cl. 165-162.000.

Fournier, Jean-Paul: *See—*
Roger, Pierre; Choay, Patrick; and Fournier, Jean-Paul, 4,871,843, Cl. 540-575.000.
Roger, Pierre; Fournier, Jean-Paul; and Leroy, Rolande, 4,883,903, Cl. 560-137.000.

Fournier, Pascale: *See—*
Bouchez, Dominique; Casamata, Gilbert; Fournier, Pascale; and Bernasconi, Christian, 4,804,495, Cl. 252-312.000.

Fournier, Paul J. E.; Kulikowski, Ernest F.; and Allread, Alan R., to Aeroquip Corporation. Self-aligning coupling. 4,881,569, 11-21-89, Cl. 137-360.000.

Fournier, Paul J. E.: *See—*
Hawley, Frank D.; Rogers, Russell L.; Allread, Alan R.; and Fournier, Paul J. E., 4,794,960, Cl. 141-384.000.

Fournier, Serge, to Bell-Northern Research, Ltd. Work ordering routine for use in a method of routing. 4,858,143, 8-15-89, Cl. 364-491.000.

Fournitures Electro Techniques: *See—*
Chapotier, Daniel J., 4,815,985, Cl. 439-212.000.

Fourny, Jacky R. P.: *See—*
Amiot, Jacques H. J.; Fourny, Jacky R. P.; Letournel, Gilles J. M.; and Parise, Vital A., 4,852,814, Cl. 241-37.500.

Fourre, Jacques, to Le Carbone Lorraine. Support for rotary target of X-ray tubes. 4,847,883, 7-11-89, Cl. 378-144.000.

Fourrey, Francois; and Deley, Serge, to Cycles Peugeot. Base structure in particular for a seat having an adjustable backrest. 4,804,225, 2-14-89, Cl. 297-452.000.

Fourrey, Francois: *See—*
Beley, Serce; and Fourrey, Francois, 4,799,733, Cl. 297-379.000.
Deley, Serge; and Fourrey, Francois, 4,872,724, Cl. 297-218.000.
Meunier, Claude; Coussemacq, J-Marc; and Fourrey, Francois, 4,834,451, Cl. 297-218.000.

Fours Industriels B.M.I.: *See—*
Jomain, Bernard, 4,836,776, Cl. 432-176.000.

Foust, Donald F.; Dumas, William V.; Lamby, Edward J.; and Karas, Bradley R., to General Electric Company. Method for treating a polyimide surface to improve the adhesion of metal deposited thereon, and articles produced thereby. 4,842,946, 6-27-89, Cl. 428-458.000.

Foust, Donald F.; Lamby, Edward J.; Karas, Bradley R.; Dumas, William V.; and Jerabek, Elihu C., to General Electric Company. Method for preparing polymer surfaces for subsequent plating thereon, and improved metal-plated plastic articles made therefrom. 4,873,136, 10-10-89, Cl. 428-209.000.

Foust, Donald F.: *See—*
Gulla, Michael; Foust, Donald F.; and Philipose, George K., 4,810,333, Cl. 204-15.000.
Karas, Bradley R.; Foust, Donald F.; and Dumas, William V., 4,874,635, Cl. 427-96.000.

Foust, Kenneth A. Filter device. 4,851,117, 7-25-89, Cl. 210-236.000.

Foutch, Wendal L. Splash guard. 4,830,067, 5-16-89, Cl. 141-86.000.

Fouts, Kenneth A., III: *See—*
DuPont, Preston S.; Ritter, Robert E.; McGrath, Brian A.; Schafer, Brent G.; and Fouts, Kenneth A., III, 4,833,029, Cl. 428-116.000.

Fouts, Robert E., to Earl's Supply Co. Adjustable reusable fitting assembly for reinforced hose. 4,817,996, 4-4-89, Cl. 285-149.000.

Fowell, Richard A.: *See—*
Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., 4,883,244, Cl. 244-171.000.

Fowler, A. Frederick: *See—*
Waldman, Harold L.; Green, Charles B.; Fowler, A. Frederick; and Farr, William F., 4,811,428, Cl. 2-49.00R.

Fowler, Alan B.; Freeouf, John L.; Kirchner, Peter D.; Warren, Alan C.; and Woodall, Jerry M., to International Business Machines Corporation. Compound semiconductor surface termination. 4,811,077, 3-7-89, Cl. 357-52.000.

Fowler, Alvin: *See—*
Spilman, Raymond; Krapowicz, Jacob; and Fowler, Alvin, 4,807,872, Cl. 272-86.000.

Fowler, Clifford C.; and Goett, Edward P., to Engineered Transitions Co., Inc. Vibration resistant electrical coupling. 4,834,667, 5-30-89, Cl. 439-321.000.

Fowler, Daniel L., to Robertshaw Controls Company. Electrically operated control device and system for a microwave oven. 4,849,595, 7-18-89, Cl. 219-10.55B.

Fowler, Daniel L.: *See—*
Kadwell, Brian J.; Fowler, Daniel L.; and Gawron, Gregory F., 4,829,161, Cl. 219-501.000.

Fowler, David E., to Quadrex HPS, Inc. Method of and apparatus for cleaning garments and soft goods contaminated with nuclear, chemical and/or biological contaminants. 4,797,128, 1-10-89, Cl. 8-137.000.

Fowler, David E.; and McIlvaine, Eugene T., to Quadrex Hps Inc. Method of removing toxic agents for trichlorotrifluoroethane. 4,842,746, 6-27-89, Cl. 210-689.000.

Fowler, David E.; and Witt, Charles R., to Quadrex Hps, Inc. Decontamination apparatus for chemically and/or radioactively contaminated tools and equipment. 4,865,061, 9-12-89, Cl. 134-108.000.

Fowler, David K.; and Story, David E., to Marvel Group, Inc., The. Four point locking system for storage cabinets. 4,813,251, 3-21-89, Cl. 70-116.000.

Fowler, David P.; Asquino, Daniel A.; and Cantu, Ramon, to Frito-Lay, Inc. Method and apparatus for monolayering of wafers. 4,794,833, 1-3-89, Cl. 83-24.000.

Fowler, George F., Jr.: *See—*
Lehnert, Charles W.; and Fowler, George F., Jr., 4,811,538, Cl. 52-455.000.

Fowler, Harold W.; and McCulloch, Peter F. Apparatus and methods for measuring cell adhesion. 4,831,869, 5-23-89, Cl. 73-150.00A.

Fowler, Jacky L.: *See—*
Principe, William L.; and Fowler, Jacky L., 4,832,323, Cl. 269-54.500.

Fowler, James F.; Barker, Nick; Kaneko, Steven; and Moore, Loyd C. Disc storage device. 4,860,897, 8-29-89, Cl. 206-444.000.

Fowler, Joanna S.: *See—*
McPherson, Daniel W.; Fowler, Joanna S.; and Wolf, Alfred P., 4,874,600, Cl. 424-1.100.

Fowler, John T., to Digicourse, Inc. Method of calibrating a compass heading. 4,843,865, 7-4-89, Cl. 73-1.00E.

Fowler, Larrie M. Small boat bow thruster. 4,807,552, 2-28-89, Cl. 114-151.000.

Fowler, Mark A.: *See—*
Bellman. Alfred H., Jr.; Fowler, Mark A.; and Christ, Stewart H., 4,831,438, Cl. 358-108.000.

Fowler, Peter H. Temperature measuring. 4,839,519, 6-13-89, Cl. 250-390.010.

Fowler, Robert Z., to Ithaco, Inc. Spacecraft attitude stabilization system. 4,807,835, 2-28-89, Cl. 244-166.000.

Fowler, Ronald E.; Voss, Jeffrey L.; and Cain, Stephen D., to Brand Scaffold Services, Ltd. Method and apparatus for lifting objects inside a limited access vessel. 4,858,890, 8-22-89, Cl. 254-335.000.

Fowler, Tracy A.: *See—*
Galloway, Jimmie G.; Kelley, Lonny R.; Ehrhardt, Mark E.; and Fowler, Tracy A., 4,846,780, Cl. 494-3.000.

Fowles, Thomas A., to Baxter International Inc. Closure for sealing a port. 4,836,397, 6-6-89, Cl. 220-214.000.

Fowles, Thomas A., to Baxter International Inc. Port and elastic closure. 4,889,256 12-26-89, Cl. 220-306.000.

Fowlkes, Robert L.; Forester, Lewis S.; and Cooper, George D., to Air Products and Chemicals, Inc. Separation of mono-n-hexylamine-water azeotrope. 4,868,335, 9-19-89, Cl. 564-497.000.

Fowlkes, William Y.; Morse, Theodore H.; Storey, Robert C.; and Paxon, James F., to Eastman Kodak Company. Roller transfer apparatus having an extended nip exhibiting low pressure. 4,796,047, 1-3-89, Cl. 355-3.0TR.

Fox, Albert H.; and Johansson, Ronald C., to Minnesota Mining and Manufacturing Company. Waterproof electrical splice enclosure. 4,839,473, 6-13-89, Cl. 174-138.00F.

Fox, Brian. Sliding door lock assembly. 4,822,084, 4-18-89, Cl. 292-270.000.

Fox, Carol A.: *See—*
Gruber, Robert J.; Yourd, Raymond A., III; Maihotra, Shadi L.; Nelson, Robert A.; Fox, Carol A.; and Hoffend, Thomas R., 4,876,169, Cl. 430-110.000.

Fox, Charles; DeWitt. John W.; and Rothenberger, John D., Jr. Skin protein complexing composition for the potentiation of the substantivity of aluminum acetate through the use of a cationic emulsifier as an aid in skin healing. 4,879,116, 11-7-89, Cl. 424-682.000.

Fox, Charles: *See—*
Goodman, Jack J.; Tauman, Harvey S.; Fox, Charles; and Hart, Thomas J., 4,883,659, Cl. 424-78.000.

Fox, Charles J., to Penick & Ford, Limited. Warp yarn sizing composition and method for making and using same. 4,808,479, 2-28-89, Cl. 428-394.000.

Fox, Clarence D., to Borg-Warner Corporation. Proportional solenoid valve. 4,875,499, 10-24-89, Cl. 137-82.000.

Fox, Clarence D., to Borg-Warner Automotive, Inc. Valve assembly for a vehicular fuel tank. 4,878,511, 11-7-89, Cl. 137-38.000.

Fox, Daniel W.; Peters, Edward N.; and Sybert, Paul D., to General Electric Company. Low plate-out polycarbonate end capped with phenoxy acetic acid. 4,841,015, 6-20-89, Cl. 528-198.000.

Fox, Daniel W. Bat handle for plastic beverage bottle. 4,881,736, 11-21-89, Cl. 273-26.00B.

Fox, Daniel W.; and Peters, Edward N., to General Electric Company. Method for recovering a dihydric phenol from a scrap polyester. 4,885,407, 12-5-89, Cl. 568-724.000.

Fox, Daniel W.: *See—*
Blackmon, Kenneth P.; Clagett Donald C.; Fox, Daniel W.; Maresca, Louis M.; and Shafer, Sheldon J., 4,876,317, Cl. 525-433.000.

Fox, Darrell G.: *See—*
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Fox, David A., to Westinghouse Electric Corp. Automatic paralleling of AC power sources. 4,797,570, 1-10-89, Cl. 307-87.000.

Fox, David A., to Westinghouse Electric Corp. Circuit and method for statically testing rotating rectifiers in brushless alternators. 4,816,756, 3-28-89, Cl. 324-158.00D.

Fox, David A.: *See—*
Baker, Donal E.; Fox, David A.; and Thornton, Roger D., 4,807,106, Cl. 363-84.000.
Billings, William W.; and Fox, David A., 4,835,652, Cl. 361-79.000.
Billings, William W.; and Fox, David A., 4,864,214, Cl. 323-289.000.

Fox, David B., to English Electric Valve Company Limited. Directly heated cathodes. 4,810,925, 3-7-89, Cl. 313-342.000.

Fox, David R.: *See—*
Penneck, Richard J.; Fox, David R.; and Atkinson, Edward B., 4,809,244, Cl. 367-162.000.

Fox, Eugene N.: *See—*
Smith, Robert E.; and Fox, Eugene N., 4,803,162, Cl. 435-36.000.

Fox, Glyn R.: *See—*
Leong, Merlin L.; Hayward, John S.; and Fox, Glyn R., 4,863,689, Cl. 422-52.000.

Fox, Harry W., Jr.: *See—*
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Fox, Henry G.: *See—*
Stevens, Douglas C.; and Fox, Henry G., 4,868,465, Cl. 315-392.000.

Fox, Henry L. Adjustable mouth prop. 4,887,965, 12-19-89, Cl. 433-140.000.

Fox, Howard G.: *See—*
Watson, Christopher A.; Fox, Howard G.; and Nguyen, Tuyen Q., 4,809,558, Cl. 73-861.220.

Fox, Irwin; and Samuels, Alvin. Sulfite-oxide process for scavenging hydrogen sulfide. 4,835,043, 5-30-89, Cl. 423-222.000.

Fox, James D.: *See—*
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Fox, James G.: *See—*
Kohn, Joachim B.; Langer, Robert S.; Niemi, Steven M.; and Fox, James G., 4,863,735, Cl. 424-422.000.

Fox, Jay A.; and Ahl, Jeffrey L., to United States of America, Army. System for rapidly tuning a low pressure pulsed laser. 4,868,834, 9-19-89, Cl. 372-20.000.

Fox, Jeffrey I.: *See—*
Higuchi, William I.; Fox, Jeffrey I.; and Powell, G. Lynn. 4,877,401, Cl. 433-215.000.

Fox, Jesse P. Accessory work holding element for use with a vice. 4,834,356, 5-30-89, Cl. 269-234.000.

Fox, Jim. Efficient artificial smoke generator. 4,836,452, 6-6-89, Cl. 239-338.000.

Fox, John L.: *See—*
Chen, Chin H.; Fox, John L.; Specht, Donald P.; and Farid, Samir Y., 4,876,175, Cl. 430-281.000.

Fox, Joseph R.; and White, Douglas A., to Standard Oil Company, The. High surface area ceramics prepared from organosilane gels. 4,818,732, 4-4-89, Cl. 501-81.000.

Fox, Joseph R.: *See—*
Benton, Kenneth C.; Pierman, David A.; and Fox, Joseph R., 4,857,395, Cl. 428-306.600.

Fox, Joseph S., to General Electric Company. Bimetal lock arrangement for a self-cleaning oven latch. 4,862,870, 9-5-89, Cl. 126-197.000.

Fox, Kenneth R.; and Coster, A. Arthur. Method of and apparatus for laser treatment of body lumens. 4,800,876, 1-31-89, Cl. 128-303.100.

Fox, Kenneth R.; and Coster, A. Arthur. Apparatus for laser treatment of body lumens. 4,848,336, 7-18-89, Cl. 128-303.100.

Fox, Leslie R.: *See—*
Saaski, Elric; Hannemann, Robert J.; and Fox, Leslie R., 4,833,567, Cl. 361-385.000.

Fox, Leslie Z. Ballast for ionic conduction lamps. 4,876,485, 10-24-89, Cl. 315-244.000.

Fox, Martin L. Crop conditioner. 4,850,183, 7-25-89, Cl. 56-16.400.

Fox, Nelson C.; and Fox, Rosetta V. G. Deep sea shark cable protectors. 4,815,896, 3-28-89, Cl. 405-158.000.

Fox, Nelson C.; and Fox, Rosetta H. V. G. Shark protector suit. 4,833,729, 5-30-89, Cl. 2-2.10R.

Fox, Norman K.: *See—*
Daponte, Diego H.; Fox, Norman K.; and Funk, Robert A., 4,818,597, Cl. 428-284.000.

Fox Pool Corporation: *See—*
Weir, Donald H.; and Robinson, Charles F., 4,797,957, Cl. 4-506.000.

Fox, Priscilla S.; and Felthouse, Barbara J., to Dial Corporation, The. Softener/antistat compositions. 4,844,822, 7-4-89, Cl. 252-8.800.

Fox, Rance B.: *See—*
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Fox, Richard W.: *See—*
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Fox, Robert, to Norco Industries, Inc. Lock chock for tandem axle wheels. 4,828,076, 5-9-89, Cl. 188-32.000.

Fox, Robert: *See—*
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Fox, Robert I.; and Houghton, Richard, to Scripps Clinic and Research Foundation. Synthetic polypeptides and antibodies related to Epstein-Barr virus early antigen-diffuse. 4,879,213, 11-7-89, Cl. 435-5.000.

Fox, Robert J. Time delay control and system embodying same. 4,844,798, 7-4-89, Cl. 210-[illegible].

Fox, Rodney T.; Cowen, Raymond A.; Pool, Hazel; and Cook, Robert V., to Reckitt & Colman Products Limited. Method for the treatment of textile surfaces and compositions for use therein. 4,802,997, 2-7-89, Cl. 252-8.600.

Fox, Roger H.: *See—*
Gardner, Arthur M. N.; and Fox, Roger H., 4,809,684, Cl. 128-64.000.
Gardner, Arthur M. N.; and Fox, Roger H., 4,841,956, Cl. 128-64.000.
Gardner, Arthur M. N.; and Fox, Roger H., 4,846,160, Cl. 128-64.000.

Fox, Rosetta H. V. G.: *See—*
Fox, Nelson C.; and Fox, Rosetta H. V. G., 4,833,729, Cl. 2-2.10R.

Fox, Rosetta V. G.: *See—*
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Fox, Steve A., to Normag Corporation. Automated temperature probe apparatus and method. 4,875,782, 10-24-89, Cl. 374-148.000.

Fox, Vernon J.; and Fox, Darrell G., to Fox, Richard W., a part interest. Aluminum can crusher. 4,821,969, 4-18-89, Cl. 241-99.000.

Fox, Wayne D., to Xerox Corporation. System for priming the magnetic brush end seals of copier/printer machines. 4,843,421, 6-27-89, Cl. 355-253.000.

Fox, William D., to Ethicon, Inc. Energy storage means for a surgical stapler. 4,869,415, 9-26-89, Cl. 227-19.000.

Foxall, David L., to Varian Associates, Inc. Method and apparatus for execution of multislice imaging experiments. 4,800,494, 1-24-89, Cl. 364-413.130.

Foxboro Company, The: *See—*
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Freeman, Mark D.; Koukol, John L., Jr.; Koziol, Stanislaw; and Sgourakes, George E., 4,852,466, Cl. 92-104.000.
Ihnat, Dale E.; Gilby, Anthony C.; and Anderson, Richard A., 4,831,252, Cl. 250-227.000.
Martin, John R.; and Anderson, Richard A., 4,837,068, Cl. 428-133.000.
Shinskey, Francis G., 4,855,897, Cl. 364-148.000.
Weiner, Seymour, 4,818,875, Cl. 250-343.000.
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Foxcroft, Ronald L.; and Shephard, Charles G., to Fortron Inc. Whistle. 4,821,670, 4-18-89, Cl. 116-137.00R.

Foxman, Charles, to Medtex Products, Inc. Reversible lap robe. 4,833,731, 5-30-89, Cl. 2-48.000.

Foxman, Charles, to Medtex Products, Inc. Absorptive device for incontinent patients. 4,844,965, 7-4-89, Cl. 428-91.000.

Foxman, Charles, to Medtex Products, Inc. Liquid impervious barrier member. 4,846,822, 7-11-89, Cl. 604-370.000.

Foxman, Charles, to Medtex Products, Inc. Synthetic fiber healthcare fabric. 4,847,133, 7-11-89, Cl. 428-91.000.

Foxx Conn International, Inc.: *See—*
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Foxx, Mary E.: *See—*
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Foye, Thomas E.; and Baillargeon, Joseph P., to BASF Corporation. Low viscosity, highly concentrated pigment dispersions and method of making same. 4,859,247, 8-22-89, Cl. 106-505.000.

Foye, Thomas E.: *See—*
  Pepoy, Louis J.; Foye, Thomas E.; and Malchick, Sherwin P., 4,822,419, Cl. 106-27.000.
Foyt, Douglas C. Adjustable shutter. 4,858,400, 8-22-89, Cl. 52-98.000.
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Fraas, Lewis M.; McLeod, Paul S.; and Cape, John A., to Daido Sanso K.K. Process for vacuum chemical epitaxy. 4,829,021, 5-9-89, Cl. 437-81.000.
Fraas, Lewis M.; McLeod, Paul S.; and Cape, John A., to Daido Sanso K.K. Apparatus and process for vacuum chemical epitaxy. 4,838,201, 6-13-89, Cl. 118-719.000.
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  D'Agostino, Riccardo; Cramarossa, Francesco; Fracassi, Francesco; Illuzzi, Francesca; and Caporiccio, Gerardo, 4,869,922, Cl. 427-38.000.
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Fraden, Jacob. Radiation thermometer and method for measuring temperature. 4,854,730, 8-8-89, Cl. 374-164.000.
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Fraioli, Dominic, to United States of America, Navy. Integrated hydrophone preamplifier telemetry assembly. 4,819,216, 4-4-89, Cl. 367-154.000.
Fraioli, Joseph. Ribbon-type, gas-fired burner head. 4,825,846, 5-2-89, Cl. 126-92.00R.
Fraioli, Joseph. Infrared wok heater. 4,889,103, 12-26-89, Cl. 126-92.0AC.
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Fraize, Claude R.; Forja, Christian; and Calevo, Robert, to Societe Anonyme de Telecommunications; and Societe Industrielle de Liaisons Electriques. Reserve device for optical fibers. 4,802,724, 2-7-89, Cl. 350-96.200.
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  Bourin, Jean-Michael; Bruyere, Michel; and Rousseau, Isaac, 4,842,805, Cl. 376-215.000.
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  Cartry, Jean P.; and Fraissenet, Bruno, 4,827,594, Cl. 29-157.400.
  Cauquelin, Claude; and Poitrenaud, Pierre, 4,842,815, Cl. 376-463.000.
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  Dagard, Philippe; and Couturier, Michel, 4,799,538, Cl. 165-47.000.
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  Gaudin, Jean P., 4,881,678, Cl. 228-102.000.
  Gaudin, Jean-Paul; and Peyrot, Jean P., 4,821,943, Cl. 228-45.000.
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  Jacquier, Paul, 4,883,946, Cl. 219-523.000.
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Frame, Robert R.; and Barger, Paul T., to UOP Inc. Process for the oligomerization of olefins and a catalyst thereof. 4,795,852, 1-3-89, Cl. 585-512.000.
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  Asato, Goro; and France, Donald J., 4,886,784, Cl. 514-30.000.
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France, Paul W.; and Williams, John R., to British Telecommunications public limited company. Halide fibre with high numerical aperture. 4,836,643, 6-6-89, Cl. 350-96.340.
France, Paul W.; Williams, John R., and Carter, Steven F., to British Telecommunications Public Limited Company. Method of preparing a halide optical fibre. 4,848,997, 7-18-89, Cl. 65-3.110.
France, Paul W.; Carter, Steven F.; and Moore, Martin W., to British Telecommunications public limited company. Cables comprising optical fibres of halide glass. 4,856,868, 8-15-89, Cl. 350-96.230.
France, Paul W., to British Telecommunications Public Limited Company. Surface treatments for optical fibre preforms. 4,863,237, 9-5-89, Cl. 350-96.340.
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  Cavezzan, Jacques; Frances, Jean-Marc; and Millet, Claude 4,873,305, Cl. 528-18.000.

  Denis, Philippe; and Frances, Jean-Marc, 4,857,657, Cl. 560-193.000.
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  Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Franceschi, Giovanni; and Bruna, Costantino D., 4,837,215, Cl. 514-192.000.
  Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Franceschi, Giovanni; and Bruna, Costantino D., 4,863,914, Cl. 514-192.000.
  Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Della Bruna, Costantino; and Franceschi, Giovanni, 4,886,793, Cl. 514-192.000.
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Franceschina, Louis E.: *See—*
  Hoetzl, Max; Stahl, Robert M.; and Franceschina, Louis E., 4,834,344, Cl. 266-90.000.
Francesconi, Lynn C.; and Treher, Elizabeth N., to E. R. Squibb & Sons, Inc. Boronic acid adducts of rhenium and radioactive isotopes of rhenium dioxime complexes. 4,871,836, 10-3-89, Cl. 534-10.000.
Francese, Catherine; Tordeux, Marc; and Wakselman, Claude, to Rhone-Poulenc Chimie. Process for the preparation of perfluoroalkyl ketones. 4,803,298, 2-7-89, Cl. 860-174.000.
Francese, Catherine: *See—*
  Tordeux, Marc; Wakselman, Claude; and Francese, Catherine, 4,855,460, Cl. 549-308.000.
Franceus, Paul E. Radon removal apparatus. 4,885,984, 12-12-89, Cl. 98-42.020.
Franchi, Sergio, to SEAC Engineering S.R.L. Device for automatic reading of checks, bills and the like and for electronic management of the data detected. 4,843,219, 6-27-89, Cl. 235-379.000.
Franchuk, John M., to WesTech Gear Corporation. Apparatus for pulling small-diameter fragile cable. 4,817,845, 4-4-89, Cl. 226-172.000.
Franci, Giosue : *See—*
  Colli, Luigi; Badiali, Roberto; and Franci, Giosue , 4,865,260, Cl. 242-35.50A.
Francia, Paolo: *See—*
  Scarnera, Michele; and Francia, Paolo, 4,831,537, Cl. 364-431.050.
Francillon, Eric: *See—*
  Berte, Michel; Francillon, Eric; and Chiarelli, Gerard, 4,851,186, Cl. 376-364.000.
Francioni, Renzo, to Cavanna S.p.A. Rotary jaw assembly for packaging machines, particularly packaging machines for tubular wrappers of the flow-pack or similar type. 4,862,673, 9-5-89, Cl. 53-373.000.
Franciosi, Alfonso, to University of Minnesota, Regents of the. Samarium- and ytterbium-promoted oxidation of silicon and gallium arsenide surfaces. 4,806,505, 2-21-89, Cl. 437-225.000.
Franciosi, Alfonso; and Peterman, Douglas J., to University of Minnesota, Regents of the. Method to stabilize metal contacts on mercury-cadmium-telluride alloys. 4,818,565, 4-4-89, Cl. 427-74.000.
Francis, Charles E., to Gassett, John D. Keeper for deadbolt locks. 4,865,370, 9-12-89, Cl. 292-340.000.
Francis, Colin R.; and Giller, Wojciech W. Electrical devices. 4,839,562, 6-13-89, Cl. 315-149.000.
Francis, Daniel L., to Cetus Corporation. Pharmaceutical compositions with galactitol as carrier. 4,797,388, 1-10-89, Cl. 514-23.000.
Francis, Eric R.: *See—*
  Hammond, Scott H.; Kirk, Ronald L.; and Francis, Eric R., 4,884,021, Cl. 324-142.000.
Francis, Geoffrey V., to Vision Engineering & Design, Inc. Mechanical-adhesion glazing. 4,799,344, 1-24-89, Cl. 52-235.000.
Francis, John E., to Ciba-Geigy Corporation. 2-substituted-e-fused-[1,2,4]triazolo[1,5-c]pyrimidines, pharmaceutical compositions, and uses thereof. 4,831,013, 5-16-89, Cl. 514-23.000.
Francis, John F., to Gillette Company, The. Safety razor with plural adjustable blades. 4,868,983, 9-26-89, Cl. 30-50.000.
Francis, John G. R., to Trigometrics, Inc. Saw guide with cut location indicator. 4,843,728, 7-4-89, Cl. 33-640.000.
Francis, Michael A., to Ethyl Corporation. Greenhouse plastic film installation. 4,795,415, 1-3-89, Cl. 493-409.000.
Francis, Philip S., Jr.; Harris, Stephen J.; and Gosnell, Raymond H., to United States Corrulite Corporation. Collapsible reusable containers, wall sleeves and hinges therefor. 4,828,132, 5-9-89, Cl. 220-6.000.
Francis, Raymond L. Backgammon score tower. 4,877,247, 10-31-89, Cl. 273-148.00R.
Francis, Sam E., Jr. Chemical thermal pack and method of making same. 4,856,651, 8-15-89, Cl. 206-219.000.
Francis, Terry E. Automatic nailer system. 4,795,074, 1-3-89, Cl. 227-136.000.
Francis, Terry E. Automatic nailer system. 4,858,814, 8-22-89, Cl. 227-149.000.
Francis, Thomas; and Dykman, K. Rand, to Franman, Inc. Foundation drain cleaning apparatus and method. 4,848,380, 7-18-89, Cl. 134-22.120.
Francis, Timothy D.; and De Glanville, Derek R. Scrummage trainer. 4,844,459, 7-4-89, Cl. 273-55.00R.
Francis, Timothy M. Method and means for releasable attachment of mud flap on vehicle. 4,856,816, 8-15-89, Cl. 280-851.000.
Francis, Trevor A.: *See—*
  Shockling, Larry A.; and Francis, Trevor A., 4,863,678, Cl. 376-327.000.
Francisco, Edward E., Jr.: *See—*
  Cohrs, Gary D.; Jackson, Ronald J.; and Francisco, Edward E., Jr., 4,794,785, Cl. 73-3.000.
Francisco, Michael H. Method for maintaining data processing system security. 4,845,715, 7-4-89, Cl. 371-53.000.
Francisco, Michael H. Method for maintaining data integrity during information transmission by generating indicia representing total number of binary 1's and 0's of the data. 4,866,666, 9-12-89, Cl. 364-900.000.
Franck, Burchard; and Gosmann, Martin, to BASF Aktiengesellschaft. Vinylogous porphyrins. 4,798,891, 1-17-89, Cl. 540-472.000.
Franck, Jean-Pierre: *See—*
  Travers, Christine; Bournonville, Jean-Paul; and Franck, Jean-Pierre, 4,835,129, Cl. 502-37.000.
Franck, Timothy D.: *See—*
  Berkeley, James E.; and Franck, Timothy D., 4,837,982, Cl. 51-165.900.
Francke, Kurt O.: *See—*
  Linduist, Tommy N.; Vukotic, Milos; Hedin, Ann-Christine; and Francke, Kurt O., 4,809,398, Cl. 15-339.000.
Francke, Wittko, to Toyo Seikan Kaisha, Ltd. Methods and compositions for controlling the pear leaf blister moth, *Leucoptera scitella*. 4,853,217, 8-1-89, Cl. 424-84.000.
Francklyn, Gilbert W. Adjustable bait-receiving fishing lure. 4,869,014, 9-26-89, Cl. 43-44.600.
Franckowiak, Gerhard; Kayser, Michael; Schramm, Matthias; Thomas, Gunther; Gross, Rainer; Perzborn, elisabeth; and Seuter, Friedel, to Bayer Aktiengesellschaft. Circulation-active substituted 5-nitro-1,4-dihydropyridines. 4,876,254, 10-24-89, Cl. 514-252.000.
Franckowiak, Gerhard; Rosentreter, Ulrich; Perzborn, Elisabeth; Seuter, Friedel; Kayser, Michael; and Thomas, Gunther, to Bayer Aktiengesellschaft. Substituted 1,4-dihydropyridines for control of circulation and thromboses. 4,876,255, 10-24-89, Cl. 514-252.000.
Franckowiak, Gerhard; Bechem, Martin; Gross, Rainer; Hebisch, Siegfried; and Schramm, Matthias, to Bayer Aktiengesellschaft. Circulation-active dihydropyridine ethers. 4,886,804, 12-12-89, Cl. 514-252.000.
Franckowiak, Gerhard; Marhold, Albrecht; Bechem, Martin; Gross, Rainer; Kayser, Michael; Schramm, Matthias; and Thomas, Gunther, to Bayer Aktiengesellschaft. Circulation-active dioxyalkylenearyl-dihydropyridines. 4,886,816, 12-12-89, Cl. 514-338.000.
Franckowiak, Sigismond: *See—*
  Deschamps, Andre ; Franckowiak, Sigismond; and Leporq, Serge, 4,855,117, Cl. 423-244.000.
Franckx, Joris R. I.: *See—*
  Amoyal, William E.; and Franckx, Joris R. I., 4,885,432, Cl. 174-92.000.
Franco, Cosimo; Carrillo, Gerardo; and Faggian, Lucio, to Eniricerche S.p.A.; and Enichem Augusta, S.P.A. Process for extracting paraffins from their mixtures with alkanesulfonic acids. 4,827,078, 5-2-89, Cl. 585-864.000.
Franco, Cosimo: *See—*
  Faggian, Lucio; Castellano, Maurizio; Platone, Edoardo; and Franco, Cosimo, 4,843,184, Cl. 585-864.000.
Franco, Grigoli; and Franco, Trabacchi, to Sidam S.R.L. Method of making stick-supported molded ice cream with undercut portions. 4,797,295, 1-10-89, Cl. 426-421.000.
Franco, Jack D., to Franco Manufacturing Co., Inc. Transport/display package for magnetic tape cassettes. 4,852,739, 8-1-89, Cl. 206-387.000.
Franco Manufacturing Co., Inc.: *See—*
  Franco, Jack D., 4,852,739, Cl. 206-387.000.
Franco, Maurice, to Lockheed Corporation. M.T.I. radar system. 4,876,547, 10-24-89, Cl. 342-160.000.
Franco, Michael J.: *See—*
  Gray, Michael J.; and Franco, Michael J., 4,872,054, Cl. 358-140.000.
Franco, Nicholas N. Bug whacker light. 4,873,786, 10-17-89, Cl. 43-112.000.
Franco, Robert S.: *See—*
  Goodrich, Raymond P., Jr.; Williams, Christine M.; Franco, Robert S.; and Weiner, Murray, 4,874,690, Cl. 435-2.000.
Franco, Trabacchi: *See—*
  Franco, Grigoli; and Franco, Trabacchi, 4,797,295, Cl. 426-421.000.
Franco, Zadson d. A.; and Barreto, Demostenis A. W., to Petroleo Brasileiro S.A. - Petrobras. Mechanical system for diversion in the acidizing treatment of oil formations. 4,881,599, 11-21-89, Cl. 166-284.000.
Franco, Zadson de: *See—*
  Khalil, Carlos N.; and Franco, Zadson de, 4,846,277, Cl. 166-280.000.
Francoeur, Ann-Michele, to Miragen, Inc. Individual-specific antibody identification methods. 4,880,750, 11-14-89, Cl. 436-501.000.
Francois, Corcelle; and Laszlo, Lakatos, to Charmilles Technologies S.A. Electro-erosion machine for automatic machining according to a closed trajectory. 4,820,894, 4-11-89, Cl. 219-69.120.
Francois, Denis J.: *See—*
  Repe, Thouron; and Francois, Denis J., 4,879,941, Cl. 89-1.140.
Francois, Joel: *See—*
  Servel, Michel; Gonet, Patrick; and Francois, Joel, 4,884,264, Cl. 370-58.100.
Francois, Legay J.: *See—*
  Michel, Goujon; and Francois, Legay J., 4,830,487, Cl. 356-5.000.
Francois, Marc, to Bendix France. Servo device for controlling the flow rate of a hydraulic system, in particular the power-assisted steering of a vehicle. 4,804,014, 2-14-89, Cl. 137-501.000.
Francois, Marc, to Bendix France. Servo device for controlling the flow rate of a hydraulic system, in particular the power-assisted steering of a vehicle. 4,850,390, 7-25-89, Cl. 137-501.000.

Francois, Marc: *See—*
  Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,810,575, Cl. 428-357.000.
  Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,825,635, Cl. 57-315.000.
  Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,840,021, Cl. 57-210.000.
Francois, Olivier: *See—*
  Garrido, Guillermo F.; Lee, Robert G. H.; and Francois, Olivier, 4,854,972, Cl. 106-437.000.
Francois, Robert M. Safety harness. 4,799,709, 1-24-89, Cl. 280-801.000.
Francotyp-Postalia GmbH: *See—*
  Denzin, Horst; and Rehberg, Heinz, 4,850,580, Cl. 271-2.000.
  Denzin, Horst; and Rehberg, Heinz, 4,851,663, Cl. 250-223.00R.
  Geyer, Oswald; Lembens, Helmut; and Stoyhe, Helmut, 4,840,367, Cl. 271-160.000.
  Harry, Alan, 4,886,384, Cl. 400-223.000.
  Munch, Helmut, 4,823,692, Cl. 101-110.000.
Francy, James R.: *See—*
  Runyan, Steven; Haney, Jerry D.; and Francy, James R., 4,864,930, Cl. 101-365.000.
Francz, Louis J.: *See—*
  Zwick, Nicholas; Walden, Charles R., Jr.; Francz, Louis J.; and Gerbehy, Jay L., 4,852,149, Cl. 379-67.000.
Franczak, Richard M.: *See—*
  Sanchez, Hernando; Franczak, Richard M.; and Futter, Menachem, 4,883,197, Cl. 221-26.000.
Frandsen Jorgen, to Unisys Corporation. Multi-coil actuator with end cap flux carrier. 4,868,432, 9-19-89, Cl. 310-12.000.
Franek, Henning; Broemer, Heinz; and Deutscher, Klaus, to Ernst Leitz Wetzlar GmbH. High temperature-resistant material for devices used for forming glass optical elements with high surface quality. 4,830,655, 5-16-89, Cl. 65-286.000.
Franek, Henning; Deutscher, Klaus-Konrad, deceased (by Deutscher, Anneliese, executor); Broemer, Heinz; Strunz, Volker; and Rosenkranz, Wolfgang, to Ernst Leitz Wetzlar GmbH. Tooth-root implant with long-term resistance to repetitive stresses. 4,881,897, 11-21-89, Cl. 433-169.000.
Franek, Henning: *See—*
  Kriegesmann, Jochen; Franek, Henning; and Bluethgen, Waldemar, 4,889,548, Cl. 65-305.000.
  Meinert, Norbert; Huber, Werner; Dreuth, Rainer; and Franek, Henning, 4,859,635, Cl. 501-44.000.
Franek, Jozef T.: *See—*
  Uehlinger, Werner H.; and Franek, Jozef T., 4,846,033, Cl. 83-94.000.
Franetzki, Manfred; Geisselbrecht, Georg; Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, to Siemens Aktiengesellschaft. Reciprocating pump for an implantable medication dosage device. 4,883,467, 11-28-89, Cl. 604-152.000.
Frangel, William L. Automatically adjustable threaded cap loosening apparatus and method. 4,852,431, 8-1-89, Cl. 81-3.200.
Frangel, William L. Portable finishing machine apparatus. 4,862,643, 9-5-89, Cl. 51-58.000.
Frania, Josef: *See—*
  Ewald, Jurgen; Frania, Josef; and Glogowschek, Roland, 4,887,513, Cl. 92-63.000.
Frank, Bernard, to Epilady U.S.A., Inc. Vaporizer and/or facial treatment device. 4,816,644, 3-28-89, Cl. 219-271.000.
Frank, Christian; and Knosp, Helmut, to Hafner, C. Apparatus for grinding tooth replacement primary crown castings. 4,854,082, 8-8-89, Cl. 51-109.00R.
Frank, David J.; and Marks, Ronald F., to International Business Machines Corporation. Heterojunction bipolar transistor with substantially aligned energy levels. 4,821,082, 4-11-89, Cl. 357-34.000.
Frank, David S.; and Belly, Robert T., to Eastman Kodak Company. Use of pyrylium and thiapyrylium compounds as biological stains. 4,840,784, 6-20-89, Cl. 424-3.000.
Frank, Dieter; Metcalfe, Lincoln D.; and Park, John Y., to Akzo America Inc. Decolorization of aqueous saccharide solutions and sorbents therefor. 4,806,520, 2-21-89, Cl. 502-402.000.
Frank, Dieter: *See—*
  Castro, Anthony J.; Frank, Dieter; and Madlock, Cleve, Jr., 4,865,789, Cl. 264-122.000.
Frank, E. Wesley: *See—*
  MacLeod, Edwin A.; and Frank, E. Wesley, 4,856,740, Cl. 248-97.000.
Frank, Frank: *See—*
  Hahn, Andreas; Wondrazek, Fritz; and Frank, Frank, 4,838,246, Cl. 128-6.000.
Frank, Gary R.: *See—*
  Madsen, Ernest L.; Zagzebski, James A.; and Frank, Gary R., 4,843,866, Cl. 73-1.0DV.
Frank, Georg: *See—*
  Hildenbrand, Karlheinz; von Dohren, Hans-Hagen; Perrey, Hermann; Frank, Georg; and Dhein, Rolf, 4,824,639, Cl. 422-56.000.
Frank, Glenn R.; and Stewart, Edward T., Jr., to Robert Thomas Ltd. Dental equipment cleaning apparatus and method. 4,877,399, 10-31-89, Cl. 433-25.000.
Frank, Gregory R.; Canfield, Kenneth A.; and Wright, Thomas R., to Howmet Corporation. Alumina-based core containing yttria. 4,837,187, 6-6-89, Cl. 501-127.000.
Frank, Gunter: *See—*
  Auding, Hans; Frank, Gunter; Kostlin, Heiner; and Vitt, Bruno, 4,889,974, Cl. 219-543.000.
Frank, Helmut: *See—*
  Schonfeld, Harald; Jarschel, Rainer; and Frank, Helmut, 4,803,882, Cl. 73-462.000.
Frank, Hubertus, to INA Walzlager Schaeffler KG. Rolling bearing slewing ring. 4,798,481, 1-17-89, Cl. 384-477.000.
Frank, Jack D.: *See—*
  Terry, Charles J.; and Frank, Jack D., 4,834,963, Cl. 423-440.000.
Frank, James P.; and King, James J., to General Electric Company. Switch and terminal assembly. 4,834,679, 5-30-89, Cl. 439-709.000.
Frank, James P.: *See—*
  Fisher, Lynn E.; Wandler, Richard A., and Frank, James P., 4,856,182, Cl. 29-622.000.
  Poling, Ronald W.; and Frank, James P., 4,835,348, Cl. 200-5.0EA.
Frank, Jeffrey B.: *See—*
  Panique, Kenneth L.; and Frank, Jeffrey B., 4,875,291, Cl. 33-293.000.
Frank, Jeffrey E., to Marathon Oil Company. Method of treating heterogeneous formation with potassium hydroxide. 4,798,245, 1-17-89, Cl. 166-281.000.
Frank, John A.: *See—*
  Sheridan, Nicholas K.; Stearns, Richard G.; Frank, John A.; Casey, Brendan; and Gary, William, 4,812,860, Cl. 346-159.000.
Frank, John H.: *See—*
  Meyer, Joseph A.; and Frank, John H., 4,822,237, Cl. 414-708.000.
Frank, Joseph. Adjustable headgear. 4,864,662, 9-12-89, Cl. 2-183.000.
Frank, Judit: *See—*
  Szilagyi, Imre; Dekany, Gyula; Frank, Judit; Horvath, Gabor; and Kulcsar, Gabor, 4,873,348, Cl. 549-271.000.
Frank, Juergen: *See—*
  Fischer, Rolf; Frank, Juergen; Merger, Franz; Roeper, Michael; and Vagt, Uwe, 4,853,473, Cl. 549-326.000.
  Merger, Franz; Frank, Juergen; Vagi, Uwe; and Fischer, Rolf, 4,879,406, Cl. 560-211.000.
Frank, Jurgen: *See—*
  Krohn, Hellmut; and Frank, Jurgen, 4,849,891, Cl. 364-426.030.
Frank, Karl: *See—*
  Boie, Immo; Peters, Manfred; Himmelmann, Wolfgang; Kaluschke, Thomas; Schenk, Gunther; Wingender, Kaspar; and Frank, Karl, 4,847,179, Cl. 430-203.000.
Frank, Karlheinz; Hanschke, Christoph; and Stutzer, Franz A., to Rowenta-Werke GmbH. Hand held steam presser. 4,817,309, 4-4-89, Cl. 38-15.000.
Frank, Larry A.: *See—*
  Jackson, Charles R.; Rellis, Daniel, Jr.; Pielet, Howard M.; Bhattacharya, Debanshu; Frank, Larry A.; Dasgupta, Purnendu; and Knoepke, John R., 4,852,632, Cl. 164-437.000.
  Pielet, Howard M.; Frank, Larry A.; Edgar, William; and Alavanja, Milan, 4,881,990, Cl. 148-320.000.
Frank, Lawrence L.: *See—*
  de Nora, Vittorio; Penny, Robert D.; Frank, Lawrence L.; Vaccaro, Anthony J.; and Stewart, James J., 4,834,850, Cl. 204-109.000.
Frank, Margaret A.: *See—*
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Frank, Mark B.: *See—*
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Frank, Michael: *See—*
  Wunderle, Anita, geb. Rudigier; Frank, Michael; and Schossow, Dieter, 4,859,185, Cl. 433-222.100.
Frank, Michael M.: *See—*
  Sanders, Martin E.; Joiner, Keith A.; Frank, Michael M.; and Hammer, Carl H., 4,820,635, Cl. 435-7.000.
Frank, Pat P., heir: *See—*
  Frank, Richard E., deceased; and Frank, Pat P., heir, 4,857,670, Cl. 174-68.300.
Frank, Reiner: *See—*
  Kussel, Willy; and Frank, Reiner, 4,874,335, Cl. 439-589.000.
Frank, Richard B., to Carpenter Technology Corporation. Precipitation hardenable, nickel-base alloy. 4,844,864, 7-4-89, Cl. 420-447.000.
Frank, Richard E., deceased; and by Frank, Pat P., heir. Wiring duc unit. 4,857,670, 8-15-89, Cl. 174-68.300.
Frank, Richard W., to Yablonski, Timothy. Input voltage compensated microprocessor controlled, power regulator. 4,804,916, 2-14-89, Cl. 323-300.000.
Frank, Robert G.; and Moyer, Kathleen L., to PPG Industries, Inc. Method of fabricating a curved glass panel having a removable section and glass panel with a removable section. 4,865,919, 9-12-89, Cl. 428-410.000.
Frank, Robert G.: *See—*
  Stas, Joseph D.; Frank, Robert G.; and Schwartz, James E. 4,804,397, Cl. 65-107.000.
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  Roberts, Richard R.; Frank, Robert J.; Booker, Philip H., III; and Hemner, Rodney A., 4,806,112, Cl. 439-144.000.
Frank, Ronald: *See—*
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Frank, Rudolf H. A.: *See—*
  Hazen, James L.; Frank, Rudolf H. A.; Zorner, Paul S.; and Campbell, James R., 4,834,908, Cl. 252-356.000.
Frank, Steven N.: *See—*
  Wan, Chang-Feng; Tung, Yingsheng; and Frank, Steven N. 4,807,004, Cl. 357-24.000.
Frank, Thomas P., to Medex, Inc. Pressure transducer with conductive polymer bridge. 4,852,581, 8-1-89, Cl. 128-672.000.

Frank, Tibor: *See—*
  Tigyi, Gabor; Bozoky, Bela; Szegvari, Zsuzsanna; Frank, Tibor; Hajos, Gyorgy; Szporny, Laszlo; and Forgacs, Lilla, 4,882,336, Cl. 514-283.000.
Frank, Timothy C.: *See—*
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Frank, Walter; and Palme, Gerhard, to Wacker Chemitronic. Multiblade inner hole saw for the sawing of crystal rods into thin blades. 4,834,062, 5-30-89, Cl. 125-13.00R.
Frank, Walter, to Wacker-Chemitronic Gesellschaft fur Elektronik-Grundstoff mbH. Method and apparatus for adjusting the true running of the cutting edge of annular saw blades. 4,864,895, 9-12-89, Cl. 76-25.00R.
Frank, Walter C., to Union Camp Corporation. Process for preparing polyalkyl tetrahydronaphthalenes. 4,877,910, 10-31-89, Cl. 585-411.000.
Frank, Walter C., to Union Camp Corporation. Process for preparing polyalkyl tetrahydronaphthalenes. 4,877,911, 10-31-89, Cl. 585-411.000.
Frank, Walter C., to Union Camp Corporation. Process for preparing 1,1,3,4,4,6-hexamethyl-1,2,3,4-tetrahydronaphthalene. 4,877,912, 10-31-89, Cl. 585-411.000.
Frank, Walter C., to Union Camp Corporation. Process for preparing polyalkyl tetrahydronaphthalenes. 4,877,913, 10-31-89, Cl. 585-411.000.
Frank, Walter C., to Union Camp Corporation. Process for preparing polyalkyl tetrahydronaphthalenes. 4,877,914, 10-31-89, Cl. 585-411.000.
Frank, Walter C., to Union Camp Corporation. Process for preparing polyalkyl tetrahydronaphthalenes. 4,877,915, 10-31-89, Cl. 585-411.000.
Frank, Walter C., to Union Camp Corporation. Process for preparing polyalkyl tetrahydronaphthalenes. 4,877,916, 10-31-89, Cl. 585-411.000.
Frank, Wilhelm, to Wilh. Frank GmbH. Skylight latch. 4,845,905, 7-11-89, Cl. 52-72.000.
Frank, Wolfgang, to TAA Technique and Administration AG. Method of manufacturing sailboards and surfboards. 4,806,302, 2-21-89, Cl. 264-46.700.
Frank, Wolfgang: *See—*
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Frank, Wolfram: *See—*
  Scherzer, Dietrich; Zahn, Erwin; and Frank, Wolfram, 4,812,368, Cl. 428-332.000.
Frankandale Corporation: *See—*
  Luke, James J., 4,872,300, Cl. 53-53.000.
Franke, Adrian R.; and Hull, Harold L. Coffee filter retainer. 4,885,987, 12-12-89, Cl. 99-295.000.
Franke, Albrecht: *See—*
  Kropp, Rudolf; Thyes, Marco; Schlecker, Rainer, Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Traut, Martin; and Gries, Josef, 4,820,821, Cl. 544-224.000.
  Rossy, Philip A.; Thyes, Marco; Franke, Albrecht; Koenig, Horst; Lehmann, Hans D.; Gries, Josef; Friedrich, Ludwig; and Lenke, Dieter, 4,873,246, Cl. 514-252.000.
Franke, Harry: *See—*
  Wortberg, Johannes; Junk, Paul B.; and Franke, Harry, 4,889,477, Cl. 425-133.100.
Franke, Heinrich; Conrad, Horst; and Schild, Wolfgang, to C. A. Weidmuller GmbH & Co. Initiator terminal block. 4,795,376, 1-3-89, Cl. 439-715.000.
Franke, Heinz, to Spanset Inter AG. Edge protector angle piece. 4,842,914, 6-27-89, Cl. 428-99.000.
Franke & Heydrich KG: *See—*
  Helbig, Michael; and Staudt, Heinrich, 4,797,008, Cl. 384-49.000.
Franke, Joachim; Goyert, Wilhelm; and Kipphardt, Helmut, to Bayer Aktiengesellschaft. Polyethers and their use as mold release agents for plastics. 4,889,908, 12-26-89, Cl. 521-115.000.
Franke, Joachim: *See—*
  Kissener, Wolfram; Franke, Joachim; Fiege, Helmut; and Wedemeyer, Karlfried, 4,820,871, Cl. 564-55.000.
Franke, Klaus: *See—*
  Koblenzer, Heinz; Hosel, Peter; Staudinger, Franz; and Franke, Klaus, 4,844,743, Cl. 134-11.000.
Franke, Lutz. Measuring device, reinforcement rod, process for detecting mechanical defects in fiber composite building elements and application of the process. 4,870,365, 9-26-89, Cl. 324-512.000.
Franke, Peter. Asymmetric minimum resistance hull. 4,811,676, 3-14-89, Cl. 114-56.000.
Franke, Rainer, to Hoechst Aktiengesellschaft. Process for the preparation of a polyolefin with a wide molecular mass distribution. 4,859,749, 8-22-89, Cl. 526-124.000.
Franke, Rickard; and Martensson, Lars, to AB Tetra Pak. Mandrel for forming a bottom in a packaging container. 4,861,328, 8-29-89, Cl. 493-470.000.
Franke, Rolf, to Nordischer Maschinenbau Rud. Baader GmbH & Co. KG. Apparatus for separating flowable constituents from a substance mixture. 4,826,595, 5-2-89, Cl. 210-386.000.
Franke, Steven J.; Boesch, Ronald D.; and Magin, Richard L., to University of Illinois, The Board of Trustees of the. Continuous phase shifter for a phased array hyperthermia system. 4,859,972, 8-22-89, Cl. 333-164.000.
Franke, Werner; and Brahm, Richard, to Hoechst Aktiengesellschaft. Light-sensitive polycondensation product containing diazonium groups, process for the preparation thereof, and light-sensitive recording material containing this polycondensation product. 4,812,384, 3-14-89, Cl. 430-175.000.
Franke, Wilfried: *See—*
  Blume, Friedhelm; Franke, Wilfried; Arndt, Friedrich; and Rees, Richard, 4,859,230, Cl. 71-93.000.
Franke, Wolfgang: *See—*
  Golob, Jurgen; and Franke, Wolfgang, 4,877,191, Cl. 241-92.000.
  Hickel, Sigrun; and Franke, Wolfgang, 4,799,626, Cl. 241-37.500.
  Kullen, Albrecht; Klawuhn, Manfred; Hickel, Sigrun; and Franke, Wolfgang, 4,842,416, Cl. 366-314.000.
Frankel, Alfred R. Automatic intubation device for guiding endotracheal tube into trachea. 4,825,858, 5-2-89, Cl. 128-200.260.
Frankel, Arthur E.: *See—*
  Linsley, Peter S.; Ochs, Vincent W.; Horn, Diane; Brown, Joseph P.; Ring, David B.; and Frankel, Arthur E., 4,803,169, Cl. 435-7.000.
Frankel, Gail. Handle support assembly. 4,856,744, 8-15-89, Cl. 248-215.000.
Frankel, Hugh; Sauve-Frankel, Ginette; and Aubut, Christian, to Q & L Corp., Inc. Selective microfiche display equipment. 4,805,087, 2-14-89, Cl. 364-474.220.
Frankel, Juergen; Mattelin, Antoon; Pecceu, Pol; Quella, Ferdinand; Schmidt, Hans-Friedrich; Boone, Luc; Von Tomkewitsch, Sybille; and De Vogelaere, Marc, to Siemens Aktiengesellschaft; and Michael Huber GmbH. Method and coating material for applying electrically conductive printed patterns to insulating substrates. 4,853,252, 8-1-89, Cl. 427-53.100.
Frankel, Lawrence S.; Jones, Gerald L.; and Winey, Donald A., to Rohm and Haas Company. Modified latex polymer composition. 4,814,373, 3-21-89, Cl. 524-460.000.
Frankel, Maurice: *See—*
  Bachelder, Walter F.; Frankel, Maurice; and Fiore, Peter, 4,802,366, Cl. 73-799.000.
Frankel, Milton B., and Weber, James F., to United States of America, Air Force. 4-azido-4,4-dinitro-1-butanol and derivatives thereof. 4,795,593, 1-3-89, Cl. 260-349.000.
Frankel, Oren: *See—*
  Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,816,653, Cl. 235-380.000.
  Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,816,654, Cl. 235-380.000.
  Anderl, Ewald C.; Frankel, Oren; and Zahavi, Avi, 4,882,474, Cl. 235-380.000.
Frankel, Robert D.; and Drumheller, Jerry, to Hampshire Instruments, Inc. Mass limited target. 4,837,793, 6-6-89, Cl. 378-34.000.
Frankel, Robert D.; and Drumheller, Jerry P., to Hampshire Instruments, Inc. Target positioning for minimum debris. 4,860,328, 8-22-89, Cl. 378-34.000.
Frankel, Robert D.; Martin, Marc J.; Baker, David G.; and Duft, Thomas L., to Hampshire Instruments, Inc. Gap sensing/adjustment apparatus and method for a lithography machine. 4,870,668, 9-26-89, Cl. 378-34.000.
Frankel, Robert D.; and Drumheller, Jerry, to Hampshire Instruments, Inc. Target structure for X-ray lithography system. 4,872,189, 10-3-89, Cl. 378-119.000.
Frankel, Steven T.; and Wingo, Calvin W., to Becton, Dickinson and Company. Mouth grips for oral thermometers. 4,813,790, 3-21-89, Cl. 374-208.000.
Franken, Josef; and Jager, Silvia, to Franken, Josef. Electric pressure switch. 4,868,384, 9-19-89, Cl. 250-229.000.
Frankena, Johannes A.; Wijtsma, Jorrit; and Elkerbout, Marten F., to U.S. Philips Corporation. Irradiation device. 4,866,284, 9-12-89, Cl. 250-494.100.
Frankenbach, Gayle M.: *See—*
  Etter, Margaret C.; Frankenbach, Gayle M.; and Panunto, Thomas W., 4,839,536, Cl. 307-425.000.
Frankenberger, William, Jr.; and Karlson, Ulrich. Selenium detoxification. 4,861,482, 8-29-89, Cl. 210-611.000.
Frankenfeld, John W.: *See—*
  Gorun, Sergiu M.; and Frankenfeld, John W., 4,869,838, Cl. 252-51.50R.
Frankl & Kirchner GmbH & Co. KG: *See—*
  Olbrich, Bernd, 4,803,411, Cl. 318-564.000.
  Rohr, Gustav; and Nohl, Gerd, 4,807,548, Cl. 112-220.000.
  Wittler, Hilmar; Martin, Adolf; and Palloch, Herbert, 4,823,926, Cl. 192-18.00B.
Franklin, Carl M.: *See—*
  Oswald, Norman D.; Franklin, Carl M.; Gutzler, Marc H.; and Mankey, Harry S., 4,850,786, Cl. 414-460.000.
Franklin, Charles H.: *See—*
  Rogne, Conrad O.; Franklin, Charles H.; and Vinton, Clarence S., 4,801,020, Cl. 209-538.000.
Franklin Computer Corporation: *See—*
  David, Morton E., 4,830,618, Cl. 434-169.000.
Franklin, Craig A.; Parracho, Rui M.; Smith, Lloyd S.; Bunch, Richard P.; Boys, Jack A., II; Gross, Alexander L.; and Pagluiso, Robert W., to Converse Inc. Shoe with internal dynamic rocker element. 4,794,707, 1-3-89, Cl. 36-107.000.
Franklin, Darrell: *See—*
  Griffin, Linnard; and Franklin, Darrell, 4,869,839, Cl. 252-56.00R.
Franklin Equipment Company: *See—*
  Roberson, William C., 4,850,409, Cl. 144-336.000.
Franklin, Eustace B. Recorded voice warning system for providing safety alerts and personal messages. 4,839,749, 6-13-89, Cl. 360-12.000.

Franklin, Frederick F. Protective circuits and devices for the prevention of fires. 4,858,054, 8-15-89, Cl. 361-57.000.

Franklin, Gene R.: *See—*

Ho, Benedict C. M.; and Franklin, Gene R., 4,845,348, Cl. 235-449.000.

Franklin, Harlow; Cooper, William J.; and Deschenes, Charles L., to Dennison Manufacturing Company. Dispensing of attachments. 4,877,172, 10-31-89, Cl. 227-67.000.

Franklin Industries, Inc.: *See—*

Severinghaus, Nelson, Jr.; and Sharp, Gregory R., 4,824,653, Cl. 423-430.000.

Franklin, J. B., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. High sensitivity accelerometer for crossed dipoles acoustic sensors. 4,827,459, 5-2-89, Cl. 367-158.000.

Franklin, J. Barrie; and McMahon, Garfield W., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Tilt sensor for resolving left-right ambiguity in underwater acoustic detection systems. 4,800,542, 1-24-89, Cl. 367-154.000.

Franklin, James, to Reilly Chemicals, S.A. Method for preparing chlorine-containing derivatives of pyridine compounds. 4,804,763, 2-14-89, Cl. 546-345.000.

Franklin, James, to Solvay & Cie (Societe Anonyme). Liquid phase process for dehydrochlorination of haloalkanes in the presence of an initiator based on an organic chlorinated product. 4,849,561, 7-18-89, Cl. 570-220.000.

Franklin, James L., to Sigma Research, Inc. Direct expansion solar collector-heat pump system. 4,798,056, 1-17-89, Cl. 62-235.100.

Franklin, Janet, to Ciba-Geigy-Corporation. Liquid antioxidant produced by alkylating diphenylamine with a molar excess of diisobutylene. 4,824,601, 4-25-89, Cl. 252-401.000.

Franklin, Jeffrey W., to E-Systems, Inc. Fast hopping microwave frequency synthesizer. 4,871,981, 10-3-89, Cl. 331-1.00A.

Franklin, John B.: *See—*

Clish, Frank; and Franklin, John B., 4,858,135, Cl. 364-426.040.

Franklin, Joseph O., Jr., to Babcock & Wilcox Company, The. Fiber optic bore inspection probe. 4,849,626, 7-18-89, Cl. 250-227.000.

Franklin, Kenneth W., to Bishopbarn Limited. Package handling method and apparatus. 4,850,627, 7-25-89, Cl. 294-2.000.

Franklin, Paul R. Cool tank construction for eutectic solution and CO_2 snow. 4,848,095, 7-18-89, Cl. 62-121.000.

Franklin, Philip G., to Cellular Communications Corporation. Apparatus and method for hands free telephonic communication. 4,819,263, 4-4-89, Cl. 379-390.000.

Franklin, Robert C.; and Stauss, Charles J., to Zircon International, Inc. Electronic level. 4,827,624, 5-9-89, Cl. 33-366.000.

Franklin, Robert P.; and LaRocca, John, to Trans-World Marketing Corporation. Modular display. 4,796,763, 1-10-89, Cl. 211-133.000.

Franklin, Robert P.; and LaRocca, John, to Trans-World Marketing Corporation. Modular display kit. 4,813,553, 3-21-89, Cl. 211-133.000.

Franklin, Robert P., to Trans-World Marketing Corporation. T-divider bracket assembly. 4,887,783, 12-19-89, Cl. 248-220.400.

Franklin, Roy W.; and Luckett, Nicholas G., to Chubb & Son's Lock and Safe Co., Ltd. Locking mechanisms. 4,850,623, 7-25-89, Cl. 292-144.000.

Franklin, Rufus M.: *See—*

Bauer, Ralph; and Franklin, Rufus M., 4,797,269, Cl. 423-600.000.

Franklin, Willie Loree: *See—*

Knitig, Gerald M., 4,830,340, Cl. 254-391.000.

Franklyn, Terry L.: *See—*

Wuepper, Thomas E.; and Franklyn, Terry L., 4,836,266, Cl. 164-29.000.

Franko-Filipasic, Borivoj; and Snyder, James, to FMC Corporation. Single solvent process for preparing 2-methallyloxy-phenol from catechol. 4,851,587, 7-25-89, Cl. 568-652.000.

Franko, Robert J.: *See—*

Wheeler, Edward L.; and Franko, Robert J., 4,839,188, Cl. 426-545.000.

Frankoski, Stanley P.: *See—*

Bondoc, Alfredo A.; Davis, Duane A.; Frankoski, Stanley P.; and Magnus, Bruno E., 4,795,661, Cl. 427-187.000.

Bondoc, Alfredo A.; Frankoski, Stanley P.; and Sieling, Frederick W., 4,825,616, Cl. 52-518.000.

Frankowski, Gunter, to Bopla Gehause Systeme GmbH. Housing for installation onto switching boards. 4,816,966, 3-28-89, Cl. 361-356.000.

Franks, Christopher I., to Biokinetics, Inc. Foot pressure measurement system. 4,858,621, 8-22-89, Cl. 128-779.000.

Franks, Darrell. Use of protriptyline for the treatment of mental health problems in children. 4,874,793, 10-17-89, Cl. 514-656.000.

Franks, Felix. Preservation by cold storage. 4,863,865, 9-5-89, Cl. 435-240.200.

Franks, George J., Jr. Clamp. 4,828,504, 5-9-89, Cl. 439-92.000.

Franks, George J., Jr. Clamp for electrically conductive strips. 4,884,976, 12-5-89, Cl. 439-92.000.

Franks, George J., Jr. Slide switch with an extendible actuator. 4,886,946, 12-12-89, Cl. 200-329.000.

Franks, Lawrence A., to Burr Oak Tool & Gauge Company. Spiral expanding bullet. 4,847,989, 7-18-89, Cl. 29-727.000.

Franks, Neal S. Hydraulic powered wrench. 4,794,826, 1-3-89, Cl. 81-57.390.

Franks, Nicholas; and Langley, Graham A., to Amek Systems & Controls Limited. Audio production console. 4,879,751, 11-7-89, Cl. 381-119.000.

Frankshun, Robert A.: *See—*

Witzel, Bruce E.; Baker, Robert K.; Durette, Philippe L.; and Frankshun, Robert A., 4,814,501, Cl. 564-162.000.

Frankstein, Boris; and Lev, Monick, to State of Israel, Ministry of Agriculture. Method for husking corn. 4,816,277, 3-28-89, Cl. 426-482.000.

Franman, Inc.: *See—*

Francis, Thomas; and Dykman, K. Rand, 4,848,380, Cl. 134-22.120.

Franninge, Thomas K. Method and apparatus for cleaning a pipe system provided for the operation of baths. 4,857,112, 8-15-89, Cl. 134-22.120.

Frano, Frank G., to Illinois Tool Works, Inc. Removable mat fastener. 4,878,792, 11-7-89, Cl. 411-339.000.

Frans, Stephen, to Spectra Physics, Inc. Method and apparatus for analysis of chromatograms using cross-correlation and moment analysis. 4,835,708, 5-30-89, Cl. 364-497.000.

Fransen, Benedictus C. H.: *See—*

Weekamp, Johannus W.; Fransen, Benedictus C. H.; and van der Ploeg, Hendrik, 4,881,151, Cl. 361-531.000.

Fransen, Sig T.; and Dye, Wayne K., Jr., to Oregon Marine Floats, Inc. Floating dock having shock-absorbing coupling. 4,852,509, 8-1-89, Cl. 114-263.000.

Fransham, Peter B., to Nova-Husky Research Corporation, Ltd. Peat pellets. 4,829,045, 5-9-89, Cl. 502-401.000.

Fransson, Jan-Olof: *See—*

Bergstrom, Magnus; Gersbro, Stefan; and Fransson, Jan-Olof, 4,811,855, Cl. 215-243.000.

Bergstrom, Magnus; Gersbro, Per-Stefan; and Fransson, Jan-Olof, 4,811,957, Cl. 277-1.000.

Frantl, Erich; Hofstatter, Peter; Zemler, Willibald; Raunicher, Albert P.; and Frantl, Werner, to Dipl. -Ing. Manfred Beer. Joint connection for frame structures. 4,822,198, 4-18-89, Cl. 403-170.000.

Frantl, Erich; and Hofstatter, Peter, to Beer, Manfred. Process for producing a joint for a framed structure. 4,836,967, 6-6-89, Cl. 264-69.000.

Frantl, Werner: *See—*

Frantl, Erich; Hofstatter, Peter; Zemler, Willibald; Raunicher, Albert P.; and Frantl, Werner, 4,822,198, Cl. 403-170.000.

Frantum, Albert W., Jr.; Lawhead, Jack W.; and Loose, Winfield W., to AMP Incorporated. Insulation displacing barrel terminal. 4,795,364, 1-3-89, Cl. 439-407.000.

Frantz, Billy J.; and Hellstrom, Sven E., to International Business Machines Corporation. Method of providing synchronous message exchange in an asynchronous operating environment. 4,823,304, 4-18-89, Cl. 364-900.000.

Frantz, Douglas C., to Chrysler Motors Corporation. Method of disabling a resume switch in an electronic speed control system for vehicles. 4,890,231, 12-26-89, Cl. 364-426.040.

Frantz, Douglas C.: *See—*

Nankee, Robert J., II; Frantz, Douglas C.; Tamm, James R.; and Gutermuth, Terry R., 4,821,701, Cl. 123-520.000.

Frantz, Earl L.: *See—*

Harner, Leslie L.; and Frantz, Earl L., 4,853,298, Cl. 428-630.000.

Frantz, John M. Axial reverse flow filter assembly for fluids. 4,853,120, 8-1-89, Cl. 210-184.000.

Frantz, Joseph C.: *See—*

Brown, Albert L.; Frantz, Joseph C.; and Peetz, Richard H., 4,888,169, Cl. 424-92.000.

Frantz, Leo R.; Bauer, Alfred; Koran, Matthew H.; and Becker, Jack, to Actron Manufacturing Company. Multiple position rotary switch. 4,876,416, 10-24-89, Cl. 200-11.00R.

Frantz, Mark G.; Pavsek, Thomas J.; Honard, Mark R.; Sears, Lawrence M.; and Shen, Ying, to Frantz Medical Development Ltd. Pump system for enteral/parenteral fluid control and delivery. 4,845,487, 7-4-89, Cl. 340-679.000.

Frantz, Mark G., to Frantz Medical Development Ltd. Disposable cassette for fluid delivery pump systems. 4,850,807, 7-25-89, Cl. 417-63.000.

Frantz, Marvin O. Tow bar for towing a motor vehicle. 4,861,061, 8-29-89, Cl. 280-479.200.

Frantz Medical Development Ltd.: *See—*

Frantz, Mark G.; Pavsek, Thomas J.; Honard, Mark R.; Sears, Lawrence M.; and Shen, Ying, 4,845,487, Cl. 340-679.000.

Frantz, Mark G., 4,850,807, Cl. 417-63.000.

Frantz, Richard P., to AMP Incorporated. Self-locking ring terminal. 4,795,380, 1-3-89, Cl. 439-860.000.

Frantz, Robert H., to AMP Incorporated. Solder post retention means. 4,842,528, 6-27-89, Cl. 439-80.000.

Frantz, Robert H.; and Whiteman, Robert N., Jr., to AMP Incorporated. Connector with two-piece ground strap. 4,842,529, 6-27-89, Cl. 439-95.000.

Frantz, Robert H., to AMP Incorporated. Tolerance forgiving boardlock. 4,842,552, 6-27-89, Cl. 439-557.000.

Frantzen, Kenneth D.: *See—*

Else, Richard L.; and Frantzen, Kenneth D., 4,811,378, Cl. 379-189.000.

Franz, Dieter; Kummer, Rudolf; Mach, Helmut; and Rath, Hans P., to BASF Aktiengesellschaft. Motor fuel or lubricant composition containing polybutyl or polyisobutyl derivatives. 4,859,210, 8-22-89, Cl. 44-53.000.

Franz, Dieter: *See—*

Kummer, Rudolf; Franz, Dieter; and Rath, Hans P., 4,832,702, Cl. 44-62.000.

Franz, Douglas L.: *See—*

Yeung, King W. W.; and Franz, Douglas L., 4,835,435, Cl. 310-324.000.

Franz, Gerhard: *See—*

Schonfelder, Lothar; and Franz, Gerhard, 4,798,714, Cl. 423-344.000.

Wickel, Ulrike; Franz, Gerhard; and Laubach, Benno, 4,845,060, Cl. 501-97.000.

Franz Grimme Landmaschinenfabrik GmbH & Co. KG: *See—*

Welp, Johannes, 4,842,076, Cl. 171-124.000.

Franz, Joachim; Prikoszovich, Walter; and Brich, Zdenek, to Sandoz Ltd. Oligomeric hydroxycarboxylic acid derivatives, their production and use. 4,801,739, 1-31-89, Cl. 560-185.000.

Franz, John E., to Monsanto Company. N-Phosphonomethylglycine phytotoxicant compositions. 4,840 659, 6-20-89, Cl. 71-86.000.

Franz, Klaus D.; Griessmann, Andrea; Lenz, Gisela; and Moschl, Gernot, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Cosmetic formulations with carrier-free iron oxide platelets. 4,828,826, 5-9-89, Cl. 424-63.000.

Franz, Klaus D.; Ambrosius, Kalus; Kanpp, August; and Brucker, Hans D., to Merck Patent Gesellschaft mit Beschrankter Haftung. Nacreous pigments. 4,867,793, 9-19-89, Cl. 106-415.000.

Franz Klaus Union Armaturen Pumpen GmbH & Co.: *See—*

Klaus, Franz, 4,869,654, Cl. 417-360.000.

Franz, Lothar: *See—*

Graf, Hermann; Franz, Lothar; Sauter, Hubert; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,801,592, Cl. 514-300.000.

Franz, Peter H., to Techmix, Inc. Composition for treating dehydration. 4,839,347, 6-13-89, Cl. 514-53.000.

Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H.: *See—*

Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, 4,794,861, Cl. 104-2.000.

Theurer, Josef, 4,794,862, Cl. 104-7.200.

Theurer, Josef, 4,799,430, Cl. 104-2.000.

Theurer, Josef; Hansmann, Johann; and Worgotter, Herbert, 4,809,614, Cl. 104-7.200.

Theurer, Josef; and Hansmann, Johann, 4,809,617, Cl. 105-239.000.

Theurer, Josef, 4,813,488, Cl. 171-16.000.

Theurer, Josef; Praschl, Wilhelm; and Peitl, Friedrich, 4,825,768, Cl. 104-7.200.

Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, 4,829,907, Cl. 104-5.000.

Theurer, Josef, 4,835,887, Cl. 37-104.000.

Theurer, Josef, 4,854,243, Cl. 104-7.300.

Theurer, Josef; and Brunninger, Manfred, 4,858,696, Cl. 171-16.000.

Theurer, Josef; and Worgotter, Herbert, 4,862,806, Cl. 104-7.200.

Theurer, Josef, 4,878,435, Cl. 104-9.000.

Theurer, Josef, 4,881,467, Cl. 104-7.200.

Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, 4,884,509, Cl. 104-9.000.

Franz Pohl Metall- und Kunststoffwarenfabrik GmbH: *See—*

von Schuckmann, Alfred, 4,844,267, Cl. 215-253.000.

Franz, Raimund; Deger, Hans M.; and Schlingmann, Merten, to Hoechst Aktiengesellschaft. Process for the single-stage preparation of glycosyl fluorides. 4,847,372, 7-11-89, Cl. 536-127.000.

Franz, Rainer; Idigkeit, Werner; Loschmann, Hartmut; Rohner, Gerhard; and Kurr, Klaus, to Carl Freudenberg, Firma. Two-chamber engine mount having variable disc stops and variable choke canal means. 4,836,515, 6-6-89, Cl. 267-219.000.

Franz, Reinhard; and Dost, Walfired, to Franz, Reinhard. Manual for electronic organs and the like. 4,860,630, 8-29-89, Cl. 84-439.000.

Franz, Robert M. Film coated tablet of ranitidine HCl. 4,880,636, 11-14-89, Cl. 424-480.000.

Franz Welz Internationale Transporte Gesellschaft mit beschrankter Haftung: *See—*

Wassibauer, Rudiger; and Russ, Werner, 4,829,774, Cl. 62-78.000.

Wassibauer, Rudiger; and Russ, Werner, 4,833,892, Cl. 62-78.000.

Franz, Wolfgang: *See—*

Koch, Jochim; and Franz, Wolfgang, 4,832,029, Cl. 128-376.000.

Koch, Jochim; Geier, Michael; and Franz, Wolfgang, 4,846,783, Cl. 600-22.000.

Franz Xaver Bayer Isolierglasfabrik KG: *See—*

Bayer, Franz, 4,817,354, Cl. 52-302.000.

Franza, Frank. Metal separation system for incinerators. 4,831,940, 5-23-89, Cl. 110-259.000.

Franzel, Patricia E.; Goldsworthy, Charles S.; Dillenburg, Peter A.; and Hall, James H., Jr., to General Electric Company. Two-piece cathode cup. 4,825,123, 4-25-89, Cl. 313-452.000.

Franzen, Arne; and Johansson, Villy, to Aktiebolaget Bofors. Base-bleed gas generator for a projectile, shell or the like. 4,846,071, 7-11-89, Cl. 102-490.000.

Franzen, Eberhard, to Franzen Sohne (GmbH & Co.). Locking device for cases, such as briefcases and the like. 4,848,111, 7-18-89, Cl. 70-69.000.

Franzen, Jochen; Gabling, Reemt-Holger; Heinen, Gerhard; and Weiss, Gerhard, to United States of America, Army. Method of mass analyzing a sample by use of a quistor. 4,882,484, 11-21-89, Cl. 250-282.000.

Franzen, Peter: *See—*

Borgstrom, Leonard; Carlsson, Claes G.; Franzen, Peter; Inge, Claes; Lagerstedt, Torgny; Moberg, Hans; and Nabo, Olle, 4,861,329, Cl. 494-73.000.

Franzen Sohne (GmbH & Co.): *See—*

Franzen, Eberhard, 4,848,111, Cl. 70-69.000.

Franzischka, Wolfgang: *See—*

Engelbach, Heinz; Krokoszinski, Roland; Franzischka, Wolfgang; and Decker, Martin, 4,814,479, Cl. 558-328.000.

Franzmair, Rudolf: *See—*

Paltauf, Friedrich; Hermetter, Albin; and Franzmair, Rudolf, 4,814,112, Cl. 260-403.000.

Franzolin, Jean-Paul: *See—*

Meier, Hermann; and Franzolin, Jean-Paul, 4,797,296, Cl. 426-433.000.

Franzolini, Marc; Maria, Edmond; Vanderschaegbe, Alain; and Bezier, Jean, to Societe anonyme dite: Stein Industrie. Assembly device of ferritic stainless steel tubes on a carbon tube-plate, and process for producing this device. 4,848,645, 7-18-89, Cl. 228-183.000.

Franzone, Jose S.; and De Vercelli, Sergio, to Istituto Biologico Chemioterapico ABC S.p.A. Theophyllinemethyldithiolan and theophyllinemethyldithianyl derivatives having antibronchospastic antitussive and mucolytic activity. 4,868,186, 9-19-89, Cl. 514-265.000.

Franzoni, Arnaldo. Case for automatically packaging elongate pasta products therein. 4,821,951, 4-18-89, Cl. 229-162.000.

Franzosi, Antonio: *See—*

Fiacconi, Claudio; and Franzosi, Antonio, 4,862,354, Cl. 364-200.000.

Frappier, Edward P.: *See—*

Hull, Ezekiel H.; and Frappier, Edward P., 4,870,204, Cl. 560-180.000.

Hull, Ezekiel H.; and Frappier, Edward P., 4,883,905, Cl. 560-180.000.

Frasca, Thomas, to United Technologies Corporation. Locked threaded insert for high stress application. 4,828,441, 5-9-89, Cl. 411-183.000.

Frase, Roland J., to J. I. Case Company. Row crop cultivator. 4,819,737, 4-11-89, Cl. 172-156.000.

Fraser, Alexander G., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Crosspoint circuitry for data packet space division switches. 4,821,258, 4-11-89, Cl. 370-60.000.

Fraser, Alexander G.; Marshall, William T.; and Riddle, Guy G., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Universal protocol data receiver. 4,852,127, 7-25-89, Cl. 375-94.000.

Fraser, Charles D., to US West Advanced Technologies, Inc. Optical bus. 4,818,051, 4-4-89, Cl. 350-96.160.

Fraser, Donald E., to Hunter Douglas Inc. Two and three position over-under window shade. 4,813,468, 3-21-89, Cl. 160-84.100.

Fraser, James D.: *See—*

Kupersmith, Bertram F.; Herzog, Michael B.; and Fraser, James D., 4,811,287, Cl. 365-52.000.

Fraser, James M., III: *See—*

Baugh, J. Lindley; Fraser, James M., III; and Melenyzer, George J., 4,848,469, Cl. 166-382.000.

Fraser, Malcolm J.; Rosen, Elliot D.; and Ploplis, Victoria A., to American Biogenetic Sciences, Inc. Recombinant baculovirus occlusion bodies in vaccines and biological insecticides. 4,870,023, 9-26-89, Cl. 435-320.000.

Fraser, Malcolm J.: *See—*

Malone, William M.; and Fraser, Malcolm J., 4,819,858, Cl. 228-173.700.

Fraser, Mark D.: *See—*

Niedospial, John J., Jr.; Robertson, Jeffrey C.; and Fraser, Mark D., 4,887,112, Cl. 354-275.000.

Robertson, Jeffrey C.; and Fraser, Mark D., 4,834,306, Cl. 242-71.100.

Fraser, Mark S.: *See—*

Yokoyama, Wallace H.; Fraser, Mark S.; and Khatri, Lakho L., 4,814,195, Cl. 426-633.000.

Fraser, Michael J., to Refurbished Turbine Components Limited. Parts for and methods of repairing turbine blades. 4,832,252, 5-23-89, Cl. 228-119.000.

Fraser, Michael J., to Refurbished Turbine Components Limited. Method of repairing turbine blades. 4,866,828, 9-19-89, Cl. 29-156.80B.

Fraser-Milla, Karen R.: *See—*

Khosah, Robinson P.; Novak, John W.; Weaver, Douglas G.; Fraser-Milla, Karen R.; and Burr, Richard R., 4,816,159, Cl. 210-635.000.

Khosah, Robinson P.; Novak, John W.; Weaver, Douglas G.; Fraser-Milla, Karen R.; and Burr, Richard R., 4,880,543, Cl. 210-635.000.

Fraser, Steven A.; Johnston, David E.; and Metzger, Reece D., to Figgie International, Inc. Structure and method of making combination proximity/insertion identification cards. 4,855,583, 8-8-89, Cl. 235-492.000.

Fraser, Wilson M., Jr.: *See—*

Howard, Frank S.; and Fraser, Wilson M., Jr., 4,848,987, Cl. 55-160.000.

Frasier, Richard A.: *See—*

Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., 4,853,784, Cl. 358-181.000.

Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; and Olmstead, Neil R., 4,858,011, Cl. 358-181.000.

Frass, Hans W.: *See—*

Stahlhofen, Paul; and Frass, Hans W., 4,889,788, Cl. 430-191.000.

Frass, Michael; and Frenzer, Reinhard. Ultrasound contact medium dispenser. 4,844,080, 7-4-89, Cl. 128-660.010.

Frass, Werner: *See—*

Pliefke, Engelbert; and Frass, Werner, 4,834,844, Cl. 204-16.000.

- Fraszczynski, Thomas: *See—*
  - Raczkowski, Ron; Wojcik, Rich; and Fraszczynski, Thomas, 4,805,550, Cl. 116-63.00T.
- Fratelli Pettinaroli S.p.A.: *See—*
  - Pettinaroli, Giuseppe, 4,848,724, Cl. 251-95.000.
- Fratelli Re S.p.A.: *See—*
  - Re, Uberto, 4,809,386, Cl. 15-105.000.
- Fratello, Vincent J.: *See—*
  - Brandle, Charles D., Jr.; Fratello, Vincent J.; and Valentino, Alejandro J., 4,802,180, Cl. 372-41.000.
- Fratta, Antonino. Reluctance electric machine having a decreased cross section of rotor ferromagnetic material. 4,888,513, 12-19-89, Cl. 310-216.000.
- Fratti, Marco; and Mattiolo, Marco. Casing with fixed and/or movable frames for doors, windows and the like. 4,811,532, 3-14-89, Cl. 52-172.000.
- Fratus, William W. Lockable mounting bracket for chain saws. 4,846,385, 7-11-89, Cl. 224-42.45R.
- Fratzer, Uwe. Use of vitamin E for normalization of blood coagulation during therapy with high unsaturated fatty acids of omega-3 type. 4,874,603, 10-17-89, Cl. 424-10.000.
- Frau S.p.A.: *See—*
  - Zuccato, Remo, 4,810,240, Cl. 494-14.000.
- Frauenglass, Elliott: *See—*
  - Dunn, David J.; Vano, Patrick P.; Moran, James P., Jr.; Holmes, Mary; and Frauenglass, Elliott, 4,855,002, Cl. 156-307.300.
  - Fairey, Colin B.; Frauenglass, Elliott; and Vincent, Larry W., 4,813,714, Cl. 285-94.000.
- Frauenhofer Gesellschaft: *See—*
  - Mueller, Karl-Heinz; Betz, Hans; Vach, Wilhelm; and Krenner, Johann, 4,856,037, Cl. 378-34.000.
- Frauenknecht, Josef; and Schwer, Dieter, to Sandoz Ltd. Dyeing of polyamide fibers with anionic dyes using a cationic assistant followed by an anionic assistant. 4,852,991, 8-1-89, Cl. 8-586.000.
- Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V.: *See—*
  - Bauser, Herbert; Schindler, Bernd; and Chmiel, Horst, 4,840,636, Cl. 8-115.520.
  - Betz, Hans; Mader, Herman; and Pelka, Joachim, 4,838,694, Cl. 356-357.000.
  - Dodmann, Gerd; Kroggel, Otto; Fey, Jochen; Kopp, Harald; and Fritz, Christoph, 4,837,509, Cl. 324-207.000.
  - Fischer, Gerhard; and Grubisic, Vatroslav, 4,800,748, Cl. 73-865.900.
  - Kobbing, Heinz; and Gebhard, Hermann, 4,797,548, Cl. 250-221.000.
  - Mayer, Erhard, 4,870,895, Cl. 98-2.000.
  - Reiner, Andreas, 4,871,778, Cl. 521-27.000.
  - Schmidt, Helmut; Patzelt, Helmut; Tunker, Gerhard; and Scholze, Horst, 4,840,666, Cl. 106-14.050.
  - Schmidt, Helmut; Hutter, Frank; Haas, Karl-Heinz; Obermeier, Ernst; Steger, Ulrich; Endres, Hanns-Erik; and Drost, Stephan, 4,878,015, Cl. 324-71.500.
- Fravel, Deborah R.: *See—*
  - Marois, James J.; Fravel, Deborah R.; Connick, William J., Jr.; Walker, H. Lynn; and Quimby, Paul C., Jr., 4,818,530, Cl. 424-93.000.
- Fravolini, Arnaldo; Terni, Patrizia; and Pagella, Piergiuseppe, to Mediolanum Farmaceutici Srl. Antibacterially active pyrido-benzothiazine derivatives with long-term action. 4,868,299, 9-19-89, Cl. 544-32.000.
- Frawley, Michael. Ceiling mounting system. 4,827,687, 5-9-89, Cl. 52-484.000.
- Frawley, Nile N.: *See—*
  - Stevens, Timothy S.; Frawley, Nile N.; Swart, Daniel J.; Harris, William C.; Diedering, Deborah E.; Nicholson, Lawrence W.; and Rothman, L. David, 4,837,161, Cl. 436-52.000.
- Fray, Derek J., to National Research Development Corporation. Zinc recovery from furnace dust. 4,800,069, 1-24-89, Cl. 423-97.000.
- Fray, Derek J.; and Godsell, Alan J., to National Research Development Corporation. Separating a ferro alloy. 4,857,156, 8-15-89, Cl. 204-64.00R.
- Fray, Derek J.; and Morris, David R., to National Research Development Corporation. Electrochemical sensor for hydrogen sensing. 4,879,005, 11-7-89, Cl. 204-1.00T.
- Fray, Derek J.: *See—*
  - Charles, James A.; Copham, Piers M.; and Fray, Derek J., 4,869,790, Cl. 204-64.00R.
- Fray, Michael J.: *See—*
  - Cooper, Kelvin; Fray, Michael J.; and Richardson, Kenneth, 4,801,598, Cl. 514-333.000.
  - Cooper, Kelvin; Fray, Michael J.; and Richardson, Kenneth, 4,851,412, Cl. 514-266.000.
  - Cooper, Kelvin; Cross, Peter E.; Fray, Michael J.; and Richardson, Kenneth, 4,853,392, Cl. 514-311.000.
- Frayer, Paul D., to Amoco Corporation. Molding compositions comprising wholly aromatic polymers which contain carbon black. 4,851,467, 7-25-89, Cl. 524-495.000.
- Fraynd, Linda S., to Ad-Aptations Inc. Shopper's reminder system. 4,817,320, 4-4-89, Cl. 40-621.000.
- Fraze, Ermal C.; and Bachmann, Henry C., to Dayton Reliable Tool & Mfg. Co. Method for forming a shell for a can type container. 4,862,722, 9-5-89, Cl. 72-336.000.
- Frazee, David M.: *See—*
  - Crawford, Carl R.; Frazee, David M.; and Santos, Enrique, 4,868,748, Cl. 364-413.220.
- Frazee, Glenn R., to S. C. Johnson & Son, Inc. Pressure sensitive adhesive compositions. 4,845,149, 7-4-89, Cl. 524-458.000.
- Frazee, Glenn R., to S. C. Johnson & Son, Inc. Aqueous pressure sensitive adhesive compositions. 4,879,333, 11-7-89, Cl. 524-460.000.
- Frazee, James S.; and Kaiser, Carl, to SmithKline Beckman Corporation. Dopamine-β-hydroxylase inhibitors. 4,863,944, 9-5-89, Cl. 514-400.000.
- Frazer, Alson C., to Ford Aerospace & Communications Corporation. Hot gas control system. 4,807,529, 2-28-89, Cl. 102-285.000.
- Frazer, Kenneth G.: *See—*
  - Kadah, Andrew S.; and Frazer, Kenneth G., 4,820,964, Cl. 318-786.000.
- Frazer-Nash Limited: *See—*
  - Griffin, Dennis, 4,798,139, Cl. 102-216.000.
  - Griffin, Dennis; and Delves, Ronald F., 4,802,400, Cl. 89-1.570.
- Frazier, Claude C.; Guha, Shekhar; and Chen, Wenpeng, to Martin Marietta Corporation. Poly-yne nonlinear optical materials. 4,879,479, 11-7-89, Cl. 307-425.000.
- Frazier, Gary A.: *See—*
  - Reed, Mark A.; and Frazier, Gary A., 4,878,104, Cl. 357-30.000.
- Frazier, James F.; Otto, Oberdan W.; and Pasiecznik, John, Jr., to Hughes Aircraft Company. Alignment mark detector for electron beam lithography. 4,803,644, 2-7-89, Cl. 364-559.000.
- Frazier, Jimmy R.: *See—*
  - Burford, Charles E.; and Frazier, Jimmy R., 4,856,258, Cl. 53-138.00A.
- Frazier, Malcolm, to United States of America, Air Force. Hidden fault bit apparatus for a self-organizing digital processor system. 4,837,683, 6-6-89, Cl. 364-200.000.
- Frazier, Marvin E.; Mallavia, Louis P.; Baca, Oswald G.; and Samuel, James E., to Battelle Development Corporation. Detection and differentiation of coxiella burnetii in biological fluids. 4,874,186, 10-24-89, Cl. 435-6.000.
- Frazier, William E.; and Koczak, Michael J., to United States of America, Navy. Elevated temperature aluminum-titanium alloy by powder metallurgy process. 4,834,942, 5-30-89, Cl. 420-552.000.
- Frazita, Richard F.; and Feldman, Paul H., to Hazeltine Corporation. Microwave landing system with fail-soft switching of dual transmitters, beam steering and sector antennas. 4,837,580, 6-6-89, Cl. 342-374.000.
- Freadman, Tommyca; and Castagna, John F., to Sparkomatic Corporation. Tower-type speaker cabinet with pivoted plural speaker subassembly. 4,884,655, 12-5-89, Cl. 181-145.000.
- Freakes, Anthony: *See—*
  - Voltmer, Helmut; Schwenzer, Alfred F.; and Freakes, Anthony, 4,842,660, Cl. 156-64.000.
- Freal, James B.; Zarobila, Clarence J.; and Davis, Charles M. Optical fiber microbend horizontal accelerometer. 4,800,267, 1-24-89, Cl. 250-227.000.
- Freal-Saison, Jean-Michel, to Henkel France S.A. Apparatus for regulating the concentration of an oxidizing solution by measuring the redox potential thereof. 4,874,498, 10-17-89, Cl. 204-400.000.
- Frear, David L.; and Hemmer, Valentine J., to Amphenol Corporation. Contact for crimp termination to a twinaxial cable. 4,869,690, 9-26-89, Cl. 439-675.000.
- Frearson, William H., to Avdel Limited. Hydraulic fluid replenishment device. 4,804,023, 2-14-89, Cl. 141-65.000.
- Frearson, William H.: *See—*
  - Summerlin, Frederick A.; Frearson, William H.; and Hendry, James C., 4,815,310, Cl. 72-391.000.
- Frechet, Jean M. J.; Gauthier, Sylvie; Limburg, William W.; Loutfy, Rafik O.; Murti, Dasarao K.; and Spiewak, John W., to Xerox Corporation. Polyarylamine compounds and systems utilizing polyarylamine compounds. 4,801,517, 1-31-89, Cl. 430-59.000.
- Frechet, Jean M. J.: *See—*
  - Allen, Robert D.; Frechet, Jean M. J.; Twieg, Robert J.; and Willson, Carlton G., 4,800,152, Cl. 430-270.000.
  - Zupancic, Joseph J.; Frechet, Jean M. J.; Zweig, Andrew M.; and Conrad, Jeffery P., 4,816,498, Cl. 522-166.000.
  - Zupancic, Joseph J.; Conrad, Jeffrey P.; Wrezel, James A.; Zweig, Andrew M.; and Frechet, Jean M. J., 4,824,920, Cl. 525-534.000.
- Frechette, Francis J.; Kasprzyk, Martin R.; McDowell, Douglas J.; and Zanghi, Joseph S., to Stemcor Corporation. Composite material of discontinuous silicon carbide particles and continuous silicon matrix and method of producing same. 4,795,673, 1-3-89, Cl. 428-331.000.
- Frechette, Raymond A.; and Uzpurvis, Eugenijus, to Texas Instruments Incorporated. Lead frame for integrated circuit. 4,868,635, 9-19-89, Cl. 357-70.000.
- Freckmann, Heinz: *See—*
  - Broll, Josef; and Freckmann, Heinz, 4,830,236, Cl. 222-485.000.
- Fred C. Sproul, Sr., Patents, Inc.: *See—*
  - Sproul, Fred C., Sr., 4,837,569, Cl. 340-907.000.
- Fred Hutchinson Cancer Research Center: *See—*
  - Hakamori, Sen-Itiroh, 4,876,199, Cl. 530-387.000.
  - Hakomori, Sen-itiroh; Fukushi, Yasuo; Nudelman, Edward D.; and Levery, Steven B., 4,851,511, Cl. 530-387.000.
  - Henikoff, Steven; and Gelinas, Richard E., 4,843,003, Cl. 435-91.000.
  - Henikoff, Steven; and Gelinas, Richard E., 4,889,799, Cl. 435-4.000.
  - Miller, A. Dusty, 4,861,719, Cl. 435-236.000.
  - Rohrschneider, Larry R.; and Nichols, Everett J., 4,837,237, Cl. 514-62.000.
- Freda, Gerald; Bogacz, Joseph; Freda, Joseph; and Olson, Dennis, to C & F Packing, Inc. Method for processing a cooked food product. 4,800,094, 1-24-89, Cl. 426-513.000.

- Freda, Joseph: *See—*
  - Freda, Gerald; Bogacz, Joseph; Freda, Joseph; and Olson, Dennis, 4,800,094, Cl. 426-513.000.
- Frederich, William L., to Eaton Corporation. Frequency detector. 4,800,508, 1-24-89, Cl. 364-484.000.
- Frederick, Bruce; and Keswick, Paul, to Cypress Semiconductor Corporation. First-in first-out buffer memory with improved status flags. 4,888,739, 12-19-89, Cl. 365-221.000.
- Frederick, Bruce: *See—*
  - Bloker, Raymond; Burd, Robert; and Frederick, Bruce, 4,870,304, Cl. 307-468.000.
- Frederick, James R.: *See—*
  - Poblete, Rudolph G.; Rindoks, Kurt; and Frederick, James R., 4,856,420, Cl. 98-115.300.
- Frederick, Loren D.; Walker, Claud W.; and Daywalt, Clark L. Apparatus for augmenting separation of oil and water. 4,832,837, 5-23-89, Cl. 210-153.000.
- Frederick, Warren P.; Steele, Sarah L.; Rhodes, David D.; and Arns, Christopher L., to Baxter International Inc. Feeding tube facilitating improved placement and permitting subsequent delivery of a second prescribed product and method therefor. 4,874,365, 10-17-89, Cl. 604-54.000.
- Fredericks, George E., to A V L Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik m.b.H. Prof. Dr.Dr.h.c. Hans List. Level measuring device for electrically non-conductive liquids. 4,795,967, 1-3-89, Cl. 324-61.00P.
- Fredericksen, Arnold E.; and Richtmeyer, Robert D., to Torrington Company, The. Needle bearing rocker arm assembly. 4,878,463, 11-7-89, Cl. 123-90.410.
- Fredericksen, Arnold E.: *See—*
  - Fittro, David; and Fredericksen, Arnold E., 4,858,575, Cl. 123-90.410.
- Frederiksen, Jeffrey E., to Bally Manufacturing Corporation. Video game having video disk read only memory. 4,799,677, 1-24-89, Cl. 273-1.00E.
- Frederiksen, Lee W.: *See—*
  - Behar, Albert; Behar, Orna; Frederiksen, Lee W.; Howard-Link, Donald A.; and Timmerman, Catherine, 4,853,854, Cl. 364-413.010.
- Frederiksen, Ruth, to Jydsk Fjederfabrik A/S. Grating or mat element. 4,807,412, 2-28-89, Cl. 52-177.000.
- Frederking, Larry E. Apparatus for loading and unloading railroad gondola cars. 4,830,562, 5-16-89, Cl. 414-339.000.
- Fredley, Joseph E., to General Electric Company. Low pressure drop condenser/evaporator pump heat exchanger. 4,869,313, 9-26-89, Cl. 165-41.000.
- Fredlund, John R.: *See—*
  - Bridges, Mark E.; Easterly, Robert W.; and Fredlund, John R., 4,875,103, Cl. 358-214.000.
- Fredrich, Earl R.: *See—*
  - Kennedy, Richard E.; and Fredrich, Earl R., 4,812,825, Cl. 340-601.000.
- Fredrick, William; Brent, Robert; and Baldwin, Peter, to Camera Platforms International, Inc. Power supply for arc lamps. 4,873,616, 10-10-89, Cl. 363-17.000.
- Fredrick, William; Brent, Robert; and Baldwain, Peter, to Camera Platforms International, Inc. Power supply for arc lamps. 4,873,617, 10-10-89, Cl. 363-17.000.
- Fredrick, William; Brent, Robert; and Baldwin, Peter, to Camera Platforms International, Inc. Power supply for D.C. arc lamps. 4,873,618, 10-10-89, Cl. 363-17.000.
- Fredrickson, James K.: *See—*
  - Pyne, John, Jr.; Stewart, Dorothy L.; Fredrickson, James K.; and Cohen, Martin S., 4,882,274, Cl. 435-68.000.
- Fredrickson, Robert A., to Miles Inc. Method for obtaining a papain-free antibody fragment preparation. 4,814,433, 3-21-89, Cl. 530-388.000.
- Fredrickson, Roy A., to Mac Engineering & Equipment Company, Inc. Apparatus for parting and pasting battery plate grids. 4,878,521, 11-7-89, Cl. 141-1.100.
- Fredrik Mogensen AB: *See—*
  - Eggerstedt, Karl H., 4,818,379, Cl. 209-254.000.
- Fredriksen, Paul, to Geophysical Company of Norway A.S. Data processing method, preferably from seismic streamers. 4,812,978, 3-14-89, Cl. 364-421.000.
- Fredriksson, Borje, to Beloit Corporation. Means and method for removal of strings from waste paper. 4,804,439, 2-14-89, Cl. 162-55.000.
- Fredriksson, Borje; and Cahmberlin, Jeffery L., to Beloit Corporation. Method of and means for hydrodynamic mixing. 4,861,165, 8-29-89, Cl. 366-165.000.
- Fredriksson, Lars-Berno, to Kvaser Consultant, AB. Arrangement comprising a system providing movement, processing and/or production. 4,841,450, 6-20-89, Cl. 364-468.000.
- Fredriksson, Tommy: *See—*
  - Berthelius, Rolf; and Fredriksson, Tommy, 4,797,537, Cl. 219-528.000.
- Fredrixon, Benny. Top structure for cold or freeze transport container. 4,794,761, 1-3-89, Cl. 62-50.000.
- Free Flow Packaging Corporation: *See—*
  - Fuss, Gunter G., 4,799,830, Cl. 406-117.000.
  - Fuss, Gunter G., 4,844,291, Cl. 222-470.000.
- Freeburg, Thomas A.; and Dautel, Donald F., to Motorola, Inc. Cellular data telephone system and cellular data telephone therefor. 4,837,800, 6-6-89, Cl. 379-59.000.
- Freeburg, Thomas A., to Motorola, Inc. Simulcast data communications system. 4,850,032, 7-18-89, Cl. 455-51.000.
- Freed, Donald L., Jr.: *See—*
  - Kuester, Kevin W.; and Freed, Donald L., Jr., 4,814,795, Cl. 346-140.00R.
- Freed, Herbert D.; and Leach, Dennis. Flexible light rail. 4,874,320, 10-17-89, Cl. 439-115.000.
- Freed, Lesley M.: *See—*
  - Engel, Steven J.; Augenblick, Kurt B.; Freed, Lesley M.; Coffey, Charles T.; and Dryden, Paul C., 4,847,474, Cl. 235-464.000.
- Freed, Lisa E.; Kadam, Jill R. C.; Drinker, Philip A.; Thebeau, J. Richard; and Langer, Robert S., to Massachusetts Institute of Technology. Bioreactor containing suspended, immobilized species. 4,846,786, 7-11-89, Cl. 604-4.000.
- Freed, Mark L., to Noma Video Inc. Stringed musical instrument with magnetic pickups. 4,887,506, 12-19-89, Cl. 84-727.000.
- Freed, Paul S.: *See—*
  - Frisch, Eldon E.; Kantrowitz, Adrian; and Freed, Paul S., 4,810,246, Cl. 604-93.000.
  - Kantrowitz, Adrian; Freed, Paul S.; Tachi, Hiroyuki; and Suzuki, Akira, 4,809,681, Cl. 600-17.000.
- Freed, W. Wayne. Reinforced soil and method. 4,867,614, 9-19-89, Cl. 405-263.000.
- Freedman, Ben Z., to University of Pennsylvania, Trustees of the. Use of ejectors for high temperature power generation. 4,843,823, 7-4-89, Cl. 60-649.000.
- Freedman, Carl R. Vehicle deodorizer. 4,805,520, 2-21-89, Cl. 98-2.110.
- Freedman, Carl R. Vehicle deodorizer. 4,867,045, 9-19-89, Cl. 98-2.110.
- Freedman, David D., to General Electric Company. Regulating pulse width modulator for power supply with high speed shutoff. 4,843,532, 6-27-89, Cl. 363-26.000.
- Freedman, George; Bowen, Robert F.; and Teich, Wesley W., to Raytheon Company. Light enhancing means for microwave utensils. 4,795,873, 1-3-89, Cl. 219-10.55E.
- Freedman, Gertrude: *See—*
  - Gingrande, Arthur, 4,833,828, Cl. 49-386.000.
- Freedman, Henry B. Automated printing control system. 4,839,829, 6-13-89, Cl. 364-519.000.
- Freedman, Herb, to Selectrons Ltd. Electrical apparatus with reverse audible alarm. 4,890,215, 12-26-89, Cl. 363-63.000.
- Freedman, Melvin S., to Avery International Corporation. Coextruded core laminates. 4,837,088, 6-6-89, Cl. 156-243.000.
- Freedman, Melvin S., to Avery International Corporation. Composite facestocks and liners. 4,888,075, 12-19-89, Cl. 156-243.000.
- Freedman, Nathan; Keene, Wayne H.; and Jelalian, Albert V., to Raytheon Company. AM-FM laser radar. 4,812,035, 3-14-89, Cl. 356-5.000.
- Freedman, Nathan: *See—*
  - Jelalian, Albert V.; Keene, Wayne H.; and Freedman, Nathan, 4,846,571, Cl. 356-5.000.
- Freedman, Philip A.: *See—*
  - Hall, Keith; Freedman, Philip A.; Jumeau, Elizabeth J.; Guilluy, Roger; and Pachiaudi, Christiane, 4,866,270, Cl. 250-282.000.
- Freeflow Industrial Ltd.: *See—*
  - Fyfe, Edward R., 4,830,179, Cl. 198-825.000.
- Freeland, Douglas: *See—*
  - Stromberger, Thomas; Freeland, Douglas; and Freeland, Dwain, 4,881,472, Cl. 110-186.000.
- Freeland, Dwain: *See—*
  - Stromberger, Thomas; Freeland, Douglas; and Freeland, Dwain, 4,881,472, Cl. 110-186.000.
- Freeland, Mary E.: *See—*
  - Blaney, Ted L.; Freeland, Mary E.; and Martin, Alvin D., Jr., 4,795,452, Cl. 604-385.100.
- Freeland, Stephen J.: *See—*
  - Skinn, Neil C.; and Freeland, Stephen J., 4,803,908, Cl. 84-454.000.
- Freeland, Yosef. Interlocking intramedullary nail. 4,862,883, 9-5-89, Cl. 128-92.0YZ.
- Freeman Chemical Corporation: *See—*
  - Boeckeler, Rudolph H., 4,800,123, Cl. 428-424.200.
- Freeman, Christopher P., to Internationale Octrooi Maatschappij "Octropa" B.V. Encapsulation. 4,808,429, 2-28-89, Cl. 426-647.000.
- Freeman, Christopher P., to Unilever Patent Holdings B.V. Encapsulation. 4,824,679, 4-25-89, Cl. 426-2.000.
- Freeman, Clarence S. Air conditioner dryer utilizing water-encapsulating polymers. 4,838,040, 6-13-89, Cl. 62-475.000.
- Freeman, David L.; Rockley, Mark G.; and Harville, Donald G., to Western Atlas International, Inc. Method for quantitative analysis of core samples. 4,839,516, 6-13-89, Cl. 250-255.000.
- Freeman, David L. Adjustable length extension. 4,856,388, 8-15-89, Cl. 81-177.200.
- Freeman, Dean W., to Texas Instruments Incorporated. Oxide deposition method. 4,810,673, 3-7-89, Cl. 437-239.000.
- Freeman, Dean W.; and Davis, Cecil J., to Texas Instruments Incorporated. Method and apparatus for cleaning integrated circuit wafers. 4,863,561, 9-5-89, Cl. 156-646.000.
- Freeman, Dean W., to Texas Instruments Incorporated. In situ doped polysilicon using tertiary butyl phosphine. 4,877,753, 10-31-89, Cl. 437-101.000.
- Freeman, Dean W.; and Burris, James B., to Texas Instruments Incorporated. Deposition of polysilicon using a remote plasma and in situ generation of UV light. 4,882,299, 11-21-89, Cl. 437-233.000.
- Freeman, Dean W.: *See—*
  - Davis, Cecil J.; Loewenstein, Lee M.; Jucha, Rhett B.; Matthews, Robert T.; Hildenbrand, Randall C.; Freeman, Dean W.; and Jones, John I., 4,822,450, Cl. 156-643.000.

Davis, Cecil J.; Freeman, Dean W.; Matthews, Robert T.; and Tomlin, Joel T., 4,832,778, Cl. 156-345.000.

Freeman, Donald C., Jr., to Hancock Jaffe Laboratories. Enhancement of xenogeneic tissue. 4,798,611, 1-17-89, Cl. 623-66.000.

Freeman, Forrest F. Exhaust backpressure tester. 4,885,934, 12-12-89, Cl. 73-115.000.

Freeman, Frank M., to E. R. Squibb & Sons, Inc. Ostomy coupling having integral O-ring coupling. 4,816,023, 3-28-89, Cl. 604-339.000.

Freeman, Frank M.: *See—*
  Edwards, John V.; and Freeman, Frank M., 4,850,985, Cl. 604-339.000.

Freeman, George A.: *See—*
  Beacham, Lowrie M., III; LeBlanc, Harry S.; and Freeman, George A., 4,874,751, Cl. 514-50.000.

Freeman, George V.; and Freeman, Roland T. Bow facing rowing system. 4,889,508, 12-26-89, Cl. 440-103.000.

Freeman, Gerald C.; Feinland, Seymour; and Crowley, Raymond R., to Pitney Bowes Inc. Postage meter for metering mixed weight mail. 4,809,186, 2-28-89, Cl. 364-464.000.

Freeman, Gerald C.: *See—*
  Ross, William A.; Toth, William D.; and Freeman, Gerald C., 4,831,273, Cl. 250-561.000.

Freeman, Gerard L.: *See—*
  Branovich, Louis E.; Freeman, Gerard L.; and Smith, Bernard, 4,808,137, Cl. 445-50.000.
  Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., 4,818,480, Cl. 419-27.000.
  Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., 4,840,767, Cl. 419-27.000.
  Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., 4,863,410, Cl. 445-50.000.
  Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., 4,872,864, Cl. 445-50.000.

Freeman, Glen E.: *See—*
  Wilson, James F.; Koontz, Harry S.; Wagner, William E.; Everhart, John J.; Freeman, Glen E.; and Donley, Harold E., deceased, 4,831,493, Cl. 361-286.000.

Freeman, Glenn E.: *See—*
  Wood, Robert B.; Thomas, Mark A.; Valimont, James L.; Littell, H. Edward, Jr.; and Freeman, Glenn E., 4,842,389, Cl. 350-3.700.

Freeman, Jerre M. Phacoemulsification/irrigation and aspiration sleeve apparatus. 4,808,154, 2-28-89, Cl. 604-22.000.

Freeman, John C.: *See—*
  Cathey, David A.; Freeman, John C.; Dale, James; Crane, William J.; Powell, Eric A.; and Musser, Jeffrey V., 4,859,304, Cl. 204-298.000.

Freeman, John F. Composite pipe coupling. 4,830,409, 5-16-89, Cl. 285-104.000.

Freeman, John P.: *See—*
  Lok, Roger; Gunther, Wolfgang H. H.; and Freeman, John P., 4,861,703, Cl. 430-608.000.

Freeman, John R.: *See—*
  Lindner, Darrell M.; and Freeman, John R., 4,824,337, Cl. 417-417.000.

Freeman, John W. H. Vehicle and method of indicating attainment of maximum axle load. 4,812,806, 3-14-89, Cl. 340-440.000.

Freeman, Kenneth G.; George, David S.; and Knapp, Alan G., to U.S. Philips Corporation. Color display system. 4,870,328, 9-26-89, Cl. 315-366.000.

Freeman, Kenneth G., to U.S. Philips Corporation. Flat cathode ray tube display apparatus. 4,873,472, 10-10-89, Cl. 315-366.000.

Freeman, Lucius J.; and Gagen, Paul F., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber connecting means. 4,856,866, 8-15-89, Cl. 350-96.210.

Freeman, Mark D.; Koukol, John L., Jr.; Koziol, Stanislaw; and Sgourakes, George E., to Foxboro Company, The. Floating diaphragm apparatus. 4,852,466, 8-1-89, Cl. 92-104.000.

Freeman, Mark S. Dual function DMM display. 4,825,392, 4-25-89, Cl. 364-550.000.

Freeman, Maynard L. Heart assist device and method of implanting it. 4,809,676, 3-7-89, Cl. 600-16.000.

Freeman, Michael, to John Waddington plc. Article feeding devices for labellers. 4,798,648, 1-17-89, Cl. 156-542.000.

Freeman, Michael J., to Actv, Inc. Interactive television system for providing full motion synched compatible audio/visual displays. 4,847,698, 7-11-89, Cl. 358-343.000.

Freeman, Michael J., to Actv, Inc. Method for providing an interactive full motion synched compatible audio/visual television display. 4,847,699, 7-11-89, Cl. 358-343.000.

Freeman, Michael J., to Actv, Inc. Interactive television system for providing full motion synched compatible audio/visual displays from transmitted television signals. 4,847,700, 7-11-89, Cl. 358-343.000.

Freeman, Paul. Front mount trailer hitch. 4,867,469, 9-19-89, Cl. 280-502.000.

Freeman, Richard A., to Rockwell International Corporation. Digital sine conversion circuit for use in direct digital synthesizers. 4,809,205, 2-28-89, Cl. 364-721.000.

Freeman, Richard B., to Budd Company, The. Hollow reinforced fiber structure formed by resin transfer molding. 4,808,362, 2-28-89, Cl. 264-257.000.

Freeman, Richard B., to Budd Company, The. Method of making a molded structure having integrally formed attachment members. 4,849,147, 7-18-89, Cl. 264-138.000.

Freeman, Richard B., to Budd Company, The. Hollow fiber reinforced structure and method of making same. 4,863,771, 9-5-89, Cl. 428-36.100.

Freeman, Richard D.: *See—*
  Cargile, William P.; Freeman, Richard D.; and Lyon, James M., 4,819,267, Cl. 380-23.000.

Freeman, Robert A.: *See—*
  Frost, Peter L. J.; Freeman, Robert A.; Warren, John A.; and Keeble, Peter J., 4,856,760, Cl. 254-134.400.

Freeman, Robert R.: *See—*
  Holder, Anthony A.; and Freeman, Robert R., 4,837,016, Cl. 424-88.000.

Freeman, Roland T.: *See—*
  Freeman, George V.; and Freeman, Roland T., 4,889,508, Cl. 440-103.000.

Freeman, Ross H., to Xilinx, Inc. Configurable electrical circuit having configurable logic elements and configurable interconnects. 4,870,302, 9-26-89, Cl. 307-465.000.

Freeman, Samuel R.; and Wright, Thomas G., to Freeman, Samuel R. Method and device for preventing tape piracy. 4,802,212, 1-31-89, Cl. 380-3.000.

Freeman, Sharon: *See—*
  Nitzan, Meir; Elidan, Joseph; Freeman, Sharon; and Sohmer, Haim, 4,848,358, Cl. 128-740.000.

Freeman, Smith, to General Electric Company. Method for generating efficient testsets for a class of digital circuits. 4,862,399, 8-29-89, Cl. 364-580.000.

Freeman, T. Austin, to Halliburton Company. Non-rotating plug. 4,836,279, 6-6-89, Cl. 166-153.000.

Freeman, T. Austin: *See—*
  Watson, Brock W.; and Freeman, T. Austin, 4,858,687, Cl. 166-153.000.

Freeman, Thomas R., to Westinghouse Electric Corp. Nuclear reactor control rod with uniformly changeable axial worth. 4,820,478, 4-11-89, Cl. 376-333.000.

Freeman, William A.; Hurlimann, Daniel E.; Miller, Ernest L.; and Solie, Darryl W., to International Business Machines Corporation. Communication bit pattern detection circuit. 4,829,462, 5-9-89, Cl. 364-715.110.

Freeman, Willie B., to United States of America, Navy. Pressure sensitive release device. 4,848,262, 7-18-89, Cl. 114-367.000.

Freeny, Charles C., Jr., to Advanced Service Development Corporation. Electronic message unit and methods using same. 4,837,797, 6-6-89, Cl. 379-96.000.

Freeouf, John L.: *See—*
  Fowler, Alan B.; Freeouf, John L.; Kirchner, Peter D.; Warren, Alan C.; and Woodall, Jerry M., 4,811,077, Cl. 357-52.000.

Freepons, Donald E. Plant growth regulators derived from chitin. 4,812,159, 3-14-89, Cl. 71-16.000.

Freepons, Donald E.: *See—*
  Allan, G. Graham; Freepons, Donald E.; and Crews, George M., 4,832,728, Cl. 71-29.000.

Freer, Raymond F., to Dictaphone Corporation. Modular configurable communications recorder. 4,835,630, 5-30-89, Cl. 360-69.000.

Freer, Raymond F., to Dictaphone Corporation. Signal monitoring system with failsafe back-up capability. 4,864,432, 9-5-89, Cl. 360-27.000.

Freer, Raymond F.: *See—*
  Sander, Willy M.; and Freer, Raymond F., 4,811,131, Cl. 360-74.400.

Freermann, Johannes, to Carl Schmale GmbH & Co. KG. Conveyor gripper for a flat object, especially a textile web. 4,834,232, 5-30-89, Cl. 198-468.200.

Freermann, Johannes, to Carl Schmale GmbH & Co. KG. Method of transversely subdividing an elongated flexible web. 4,881,479, 11-21-89, Cl. 112-262.300.

Freese, Andrew: *See—*
  Sabel, Bernhard A.; Freese, Andrew; and Saltzman, William M., 4,883,666, Cl. 424-422.000.

Freese, James S., to Mirafi, Inc. Subterranean drain. 4,840,515, 6-20-89, Cl. 405-45.000.

Freese, Lawrence O.: *See—*
  Loscalzo, Dominick; Scott, Bruce M.; Freese, Lawrence O.; and Picozza, Augusto A., 4,804,349, Cl. 446-93.000.

Freese, Uwe, to Dagma Deutsche Automaten- und Getrankemaschinen GmbH & Co. KG. Water jet injection device for use with dispensers for producing and dispensing beverages mixed of fruit syrup or concentrate and water. 4,817,825, 4-4-89, Cl. 222-129.200.

Freeze, Robin J.; and Grimsley, John L., to Data Technology Corporation. Head positioning servo-mechanism with error reduction capabilities. 4,879,612, 11-7-89, Cl. 360-78.060.

Fregni, Bruno: *See—*
  Venturi, Giancarlo; Bedogni, Carlo; and Fregni, Bruno, 4,862,8[illegible], Cl. 128-92.0VD.

Frehel, Daniel: *See—*
  Badorc, Alain; and Frehel, Daniel, 4,847,265, Cl. 514-301.000.

Frehling, Andre, to Societe d'Etudes et de Constructions de Machines et Appareils Industriels. Multi-beam roller phototracer. 4,801,95[illegible], 1-31-89, Cl. 346-108.000.

Frehse, Lloyd J., to CPR Systems Inc. Magnetic wheel bearing cap. 4,834,464, 5-30-89, Cl. 301-108.00R.

Frei, Bruno; O'Sullivan, Anthony C.; and Gehret, Jean-Claude, to CIBA-GEIGY Corporation. 13β-alkylmilbemycin derivatives for controlling parasites of animals and plants. 4,857,509, 8-15-89, Cl. 514-30.000.

Frei, Bruno: *See—*
  O'Sullivan, Anthony C.; and Frei, Bruno, 4,859,657, Cl. 514-63.000.

Frei, Hans, to Ferag AG. Package support device for the intermediate storage of wound-up printed products, such as newspapers, periodicals and the like. 4,795,105, 1-3-89, Cl. 242-59.000.

Frei, Jochen: *See—*
  Goller, Ernst; Wurst, Dieter; Kazmaier, Guenther; and Frei, Jochen, 4,858,446, Cl. 77-126.00R.

Frei, Josef, to Organ-Faser Technology Company N.V. Process and device for working up household, industrial and other similar waste. 4,815,668, 3-28-89, Cl. 241-23.000.

Frei, Matthias; Mueller, Willi; and Sutter, Werner, to Elpatronic AG. Resistance seam welding machine. 4,803,325, 2-7-89, Cl. 219-64.000.

Freiberg, Alan L.: *See—*
  Fey, Kenneth C.; Freiberg, Alan L.; and Price, John G., 4,874,431, Cl. 106-2.000.

Freiberg, Helge: *See—*
  van Wersch, Kurt; Freiberg, Helge; and Mevissen, Peter, 4,875,942, Cl. 134-15.000.

Freiburghaus, Rene : *See—*
  Glaus, Heinrich; Lehmann, Peter; Joehr, Hans; and Freiburghaus, Rene , 4,798,231, Cl. 140-119.000.

Freid, James R.: *See—*
  Makhlouf, Joseph M.; Chau, Michael M.; and Freid, James R., 4,812,508, Cl. 524-764.000.

Freidank, Michael; Coym, Jurgen; and Schubert, Axel, to Auergesellschaft GmbH. Warning device to indicate the state of gases exhaustion of a gas filter retaining dangerous gases. 4,873,970, 10-17-89, Cl. 128-202.220.

Freidel, Kenneth L.; and Freund, William G., to Hordis Brothers Capital Company. Method & apparatus for bending glass sheets. 4,830,649, 5-16-89, Cl. 65-104.000.

Freidhoff, Carl B.: *See—*
  Fey, Maurice G.; Lange, William J.; Freidhoff, Carl B.; and Slade, Paul G., 4,880,947, Cl. 200-144.00B.

Freidin, Philip, to Advanced Micro Devices, Inc. Flexible configurable terminal pin. 4,835,414, 5-30-89, Cl. 307-243.000.

Freidinger, Roger; Hannah, John; Garsky, Victor M.; Stein, Robert B.; and Tolman, Richard L., to Merck & Co., Inc. Inhibitor of ribonucleotide reductase. 4,814,432, 3-21-89, Cl. 530-329.000.

Freidinger, Roger M.; Evans, Ben E.; and Bock, Mark G., to Merck & Co., Inc. 1,4-Benzodiazepines with 5- and 6-membered heterocyclic rings and their use as cholecystokinins and gastrin antagonists. 4,847,248, 7-11-89, Cl. 514-214.000.

Freidinger, Roger M., to Merck & Co., Inc. Amino acid analogs. 4,880,938, 11-14-89, Cl. 548-492.000.

Freidinger, Roger M.: *See—*
  Evans, Ben E.; Freidinger, Roger M.; and Bock, Mark G., 4,820,834, Cl. 540-504.000.

Freier, Donald P.; Steffen, Jack W.; and Kecman, Michael M., to Kohler Co. Handle assembly or the like. 4,829,632, 5-16-89, Cl. 16-114.00R.

Freier Gunder Eisen- und Metallwerke GmbH: *See—*
  Schneider, Klaus; Osenberg, Klaus-Dieter; and Heinrich, Klaus-Juergen, 4,834,590, Cl. 406-142.000.

Freiler, Bruno: *See—*
  Kade, Werner; Buck, Rudi; Freiler, Bruno; and Wolf, Karl, 4,865,692, Cl. 162-352.000.

Freilich, Joseph A., to M. Fabrikant & Sons, Inc. Double faced jewelry setting. 4,878,364, 11-7-89, Cl. 63-28.000.

Freiling, Michael J.; Alexander, James H.; Phillips, Brian; and Messick, Steven L., to Tektronix, Inc. Rule acquisition for expert systems. 4,816,994, 3-28-89, Cl. 364-200.000.

Freimanis, Richard: *See—*
  Myong, Inho; and Freimanis, Richard, 4,807,799, Cl. 228-212.000.

Freimark, Ronald J.: *See—*
  Kozlik, Tony J.; and Freimark, Ronald J., 4,855,902, Cl. 364-200.000.

Freimuth, Lothar; and Van Wagener, Raymond H., to Magnetek Universal Manufacturing Corp. Wire bobbin for inductive devices. 4,853,667, 8-1-89, Cl. 336-192.000.

Freis, Richard E.; Maloney, James E.; and Oakes, Thomas R., to Diamond Shamrock Chemicals Company. Method of brown stock washing. 4,810,328, 3-7-89, Cl. 162-60.000.

Freisinger, Henry: *See—*
  Stritzl, Karl; and Freisinger, Henry, 4,804,201, Cl. 280-618.000.
  Stritzl, Karl; Freisinger, Henry; and Luschnig, Franz, 4,858,946, Cl. 280-618.000.
  Stritzl, Karl; Luschnig, Franz; Riegler, Andreas; Wurthner, Hubert; and Freisinger, Henry, 4,878,687, Cl. 280-605.000.

Freisle, Manfred F. A., to Polydeck Screen Corporation. Screening arrangement. 4,882,044, 11-21-89, Cl. 209-319.000.

Freitag, Dieter; Joswig, Thomas; Idel, Karsten; Fullmann, Heinz-Josef; and Muller, Friedemann, to Bayer Aktiengesellschaft. Flame-resistant polyamides. 4,888,370, 12-19-89, Cl. 524-100.000.

Freitag, Dieter: *See—*
  Dziurla, Heinz-Jurgen; Weber, Hans-Leo; Freitag, Dieter; and Waldenrath, Werner, 4,859,263, Cl. 156-233.000.
  Dziurla, Heinz-Jurgen; Freitag, Dieter; Waldenrath, Werner; Burkhardt, Claus; and Schulte, Bernhard, 4,876,033, Cl. 252-511.000.
  Eckhardt, Volker; Dicke, Hans-Rudolf; and Freitag, Dieter, 4,797,467, Cl. 528-203.000.
  Eckhardt, Volker; Dicke, Hans-Rudolf; Bottenbruch, Ludwig; Freitag, Dieter; and Biskup, Ulrich, 4,801,677, Cl. 528-176.000.
  Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; and Freitag, Dieter, 4,806,619, Cl. 528-128.000.
  Prater, Klaus; Uerdingen, Walter; Heine, Heinrich; and Freitag, Dieter, 4,812,589, Cl. 558-51.000.

Freitag, Douglas W., to LTV Aerospace and Defense Company. Method for the production of reinforced composites. 4,840,763, 6-20-89, Cl. 264-65.000.

Freitag, Elmar; Weller, Karl-Heinz; and Trube, Hans-Wilhelm, to Daimler-Benz Aktiengesellschaft. Louver vent for the ventilation of a motor vehicle passenger compartment. 4,840,113, 6-20-89, Cl. 98-2.000.

Freitag, Elmar: *See—*
  Feichtiger, Dieter; Neufler, Klaus; Biber, Wolfgang; Freitag, Elmar; Corbier, Jean P.; and Dragoni, Christian, 4,830,054, Cl. 137-884.000.

Freitag, Hans-Albrecht: *See—*
  Richter, Roland; Muller, Hanns P.; Hombach, Rudolf; Dollhausen, Manfred; Avar, Geza; and Freitag, Hans-Albrecht, 4,824,595, Cl. 252-182.170.

Freitag, Helmut; Steinbiss, Joachim; and Rothe, Anselm, to Boehringer Mannheim GmbH. Test carrier and method for the analytical determination of a component of a body fluid. 4,839,297, 6-13-89, Cl. 436-170.000.

Freitag, Helmut: *See—*
  Deneke, Ulfert; Nagel, Rolf; Rothe, Anselm; and Freitag, Helmut, 4,876,067, Cl. 422-56.000.

Freitag, Herbert: *See—*
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Freitag, Lawrence F.: *See—*
  Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., 4,804,933, Cl. 335-186.000.
  Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., 4,849,590, Cl. 200-147.00R.

Freitag, Michael G.: *See—*
  Dop, Dennis B.; Freitag, Michael G.; and Zawacki, Norbert W., 4,887,290, Cl. 379-33.000.

Freitag, Michael W.: *See—*
  Bland, Gerald F.; and Freitag, Michael W., 4,863,406, Cl. 440-83.000.
  Higby, Jeffery P.; McElroy, Kennedy K., Jr.; Ferguson, Arthur R.; Bland, Gerald F.; Freitag, Michael W.; and Sullivan, Donald K., 4,850,910, Cl. 440-75.000.

Freitag, Reinhard: *See—*
  Meixner, Hans; Mader, Gerhard; and Freitag, Reinhard, 4,831,259, Cl. 250-353.000.

Freitag, Ronald G.: *See—*
  Nathanson, Harvey C.; Driver, Michael C.; Cresswell, Michael W.; Freitag, Ronald G.; Alexander, Donald K.; and Yaw, Daniel F., 4,823,136, Cl. 342-368.000.

Freitag, Wolfgang. Electrical plug connector for co-axial leads. 4,795,370, 1-3-89, Cl. 439-584.000.

Freiwald, Emil: *See—*
  Collet, Dieter; and Freiwald, Emil, 4,842,099, Cl. 182-160.000.

Freiwald, Wolfgang; and Ebert, Horst, to Daimler-Benz Aktiengesellschaft. Fuel tank for vehicles with fuel movement calmina arrangement. 4,844,278, 7-4-89, Cl. 220-1.00V.

Frejborg, Frey, to A. Ahlstrom Corporation. High flow capacity barrier type screening apparatus. 4,836,915, 6-6-89, Cl. 209-273.000.

Frejborg, Frey, to A. Ahlstrom Corporation. Pulp screening apparatus. 4,880,540, 11-14-89, Cl. 210-413.000.

Frejd, Torbjorn: *See—*
  Magnusson, Hans G.; and Frejd, Torbjorn, 4,868,289, Cl. 536-4.100.

Freller, Helmut; and Schack, Peter, to Siemens Aktiengesellschaft. Method of making mixed nitride films with at least two metals. 4,842,710, 6-27-89, Cl. 204-192.380.

Freluche, Jean-Pierre, to Saft, S.A. Method of manufacturing an electrochemical cell having an alkaline electrolyte and spiral-wound electrodes. 4,802,275, 2-7-89, Cl. 29-623.400.

Frema, Inc.: *See—*
  Holowaty, Michael O., 4,865,805, Cl. 420-85.000.

Fremery, Johan K., to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Contact free magnetic bearing. 4,812,694, 3-14-89, Cl. 310-90.500.

Fremont, Andrew de M., to GEC Avionics Limited. Infra-red imager. 4,800,277, 1-24-89, Cl. 250-334.000.

Fremont, Joseph M., to Du Pont de Nemours, E. I., and Company. Process for preparing crystalline malachite. 4,876,231, 10-24-89, Cl. 502-174.000.

Fremont, Michael J., to Hewlett-Packard Company. Method and apparatus for fault tolerant communication within a computing system. 4,890,224, 12-26-89, Cl. 364-200.000.

Fremont, Owen K.: *See—*
  St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,843,701, Cl. 29-235.000.
  St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,852,240, Cl. 29-559.000.
  St. Angelo, Stephen, Jr.; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,839,958, Cl. 29-450.000.

Fremund, Zdenek A. Child proof cigarette lighter. 4,869,663, 9-26-89, Cl. 431-153.000.

Fremuth, Dietmar R. A.; Rogers, Alan E.; and Zahner, John C., to Mobil Oil Corporation. Methanol-gas saturator for catalytic conversion system. 4,808,764, 2-28-89, Cl. 585-640.000.

French, Barry J. Sports scoring device including a piezoelectric transducer. 4,824,107, 4-25-89, Cl. 273-1.0GC.

French, Barry J., to French Sportech Corporation. Sports impact measuring apparatus. 4,883,271, 11-28-89, Cl. 273-1.0GC.

French, Cheryl B.; and Hyde, Gene A., to Olin Corporation. Process and composition for providing reduced discoloration of pyrithiones. 4,818,436, 4-4-89, Cl. 252-400.230.

French, Christopher W. Method of using portable apparatus for unitizing roof schemes. 4,796,350, 1-10-89, Cl. 29-432.000.

French, Craig P.: *See*—

French, Paul H.; and French, Craig P., 4,877,293, Cl. 298-17.00R.

French, Donald: *See*—

Nablo, Sam; and French, Donald, 4,844,764, Cl. 156-275.500.

French, Edward C.: *See*—

McCully, Peter K.; and French, Edward C., 4,813,109, Cl. 24-278.000.

French, Floyd R. Spray nozzle. 4,813,609, 3-21-89, Cl. 239-311.000.

French, Gerald J., to Vance Products, Inc. External strap incontinence control device. 4,800,900, 1-31-89, Cl. 128-885.000.

French, Gordon K., to Nordson Corporation. Sift-proof carton and method of manufacture. 4,836,440, 6-6-89, Cl. 229-132.000.

French, Harry T.: *See*—

Capasso, Federico; French, Harry T.; Gossard, Arthur C.; Hutchinson, Albert L.; Kiehl, Richard A.; and Sen, Sustana, 4,849,799, Cl. 357-34.000.

French joint stock company "L'Oreal" The: *See*—

Bugaut, Andree; and Junino, Alex, 4,863,480, Cl. 8-408.000.

French, Kendrick L., to K. W. Thompson Tool Company, Inc. Bullet lubricating apparatus. 4,802,297, 2-7-89, Cl. 42-90.000.

French, Kendrick L., to K. W. Thompson Tool Company, Inc. Mold for hollow point bullet. 4,838,339, 6-13-89, Cl. 164-340.000.

French, Kendrick L.; and Laney, Mark C., to K.W. Thompson Tool Company, Inc. Hammer block device. 4,854,065, 8-8-89, Cl. 42-65.000.

French, Kendrick L.; and Laney, Mark C., to K. W. Thompson Tool Co., Inc. Firearm. 4,888,901, 12-26-89, Cl. 42-51.000.

French, Kent H., to Rampart Packaging Inc. Process and apparatus for production of articles with selectively thinned portions using a multiradius forming plug. 4,883,633, 11-28-89, Cl. 264-550.000.

French Limited Company - Cantaure Robotique: *See*—

Billiotte, Jean-Marie; Bouin, Thierry; Basset, Frederic; Beauvois, Jacques; and Primat, Didier, 4,881,269, Cl. 382-8.000.

French Oil Mill Machinery Co., The: *See*—

Upchurch, Ray, 4,874,555, Cl. 260-412.400

French, Park; Gotti, Mary B.; Karikas, John J.; and Reiling, Gilbert H., to General Electric Company. Metal halide lamp. 4,808,876, 2-28-89, Cl. 313-25.000.

French, Paul H.; and French, Craig P. Load bridging dump trailer. 4,877,293, 10-31-89, Cl. 298-17.00R.

French, Radford: *See*—

Brown, Theresa S.; Parvin, Connie J.; Walters, Patricia B.; Rothe, Wolfram F.; and French, Radford, 4,810,583, Cl. 428-425.600.

French, Raymond: *See*—

Pearce-Harvey, Peter R.; Thomlinson, Ernest V.; and French, Raymond, 4,843,528, Cl. 362-277.000.

French, Richard C.; and Marshall, Christopher B., to U.S. Philips Corp. Radio transmission system providing adjacent channel and image frequency rejection. 4,864,643, 9-5-89, Cl. 455-302.000.

French, Richard E.: *See*—

Irvin, Timothy B.; and French, Richard E., 4,798,433, Cl. 350-96.210.

French, Richard W.: *See*—

Mastromoro, John F.; French, Richard W.; and Strobert, Samuel S., 4,797,909, Cl. 379-67.000.

French, Ronald L.; Smith, Ronald E.; and Buch, Mark J., to Seabrook Medical Systems, Inc. Liquid-circulating thermal therapy system. 4,844,072, 7-4-89, Cl. 128-400.000.

French Sportech Corporation: *See*—

French, Barry J., 4,883,271, Cl. 273-1.0GC.

French, Thomas J.; Harrell, Lester R.; and Dellinger, Anthony L., to EPRI. Plasma torch. 4,843,208, 6-27-89, Cl. 219-121.390.

French, Timothy S. Upright canoe carrier. 4,804,123, 2-14-89, Cl. 224-266.000.

French, Wilbur J., Jr.: *See*—

Burcham, Walter E., Jr.; and French, Wilbur J., Jr., 4,887,619, Cl. 131-305.000.

French, William W., to Eastman Kodak Company. Modulating head tape distance with vibratory motion. 4,796,111, 1-3-89, Cl. 360-55.000.

Frenette, Richard; Gauthier, Jacques-Yves; Young, Robert N.; Zamboni, Robert; Kakushima, Masatoshi; and Verhoeven, Thomas R., to Merck Frosst Canada, Inc. Stereoselective synthesis of leukotriene antagonists. 4,857,659, 8-15-89, Cl. 562-426.000.

Frenger, Paul: *See*—

Alexander, William B.; and Frenger, Paul, 4,873,654, Cl. 364-551.010.

Freni, Joseph L., Jr.; and Ardito, John D., to Wang Laboratories, Inc. Tilt apparatus for a display monitor field. 4,807,842, 2-28-89, Cl. 248-649.000.

Frenkel, Alexander D.: *See*—

Black, Malcolm H.; Frenkel, Alexander D.; and Roberts, Peter T., 4,863,966, Cl. 514-599.000.

Frenkel, Anatoly; and Lin, Chinlon, to Bell Communications Research, Inc. Etalon filters for optical channel selection in wavelength division multiplexed fiber systems. 4,813,756, 3-21-89, Cl. 350-96.180.

Frenkel, Robert L.; Derks, Christopher S.; and Armstrong, Donald L., to Adolph Coors Company. Article transferring conveying system. 4,874,079, 10-17-89, Cl. 198-436.000.

Frenry Company, The: *See*—

Wolfe, Henry S., 4,878,661, Cl. 272-52.000.

Frensch, Adrianus J.: *See*—

Boon, Cornelis A. M.; Boudewijns, Arnoldus J. J.; and Frensch, Adrianus J., 4,833,371, Cl. 315-403.000.

Frensley, William R., to Texas Instruments Incorporated. Ballistic transport filter and device. 4,866,488, 9-12-89, Cl. 357-4.000.

Frensley, William R.: *See*—

Lewis, Adam J.; and Frensley, William R., 4,803,537, Cl. 357-30.000.

Frentrup, Mark A.; Gibson, Joseph R.; Carson, James E.; and Davis, Pauls, to BASF Corporation. Functional fluids containing associative polyether thickeners, certain dialkyl-dithiophosphates, and a compound which is a source of molybdate ion. 4,797,229, 1-10-89, Cl. 252-345.000.

Frentzel-Beyme, Johannes, to Palitex Project Company GmbH. Method of adjusting the tensile force ratio between an outer thread and an inner thread when manufacturing cabled industrial yarns, and an apparatus for implementing this method. 4,848,075, 7-18-89, Cl. 57-264.000.

Frentzel, Herman E.; and Rief, Deiter, to Arneson Products, Inc. Safety fitting for a vacuum orifice in a swimming pool. 4,817,991, 4-4-89, Cl. 285-7.000.

Frentzel, Herman E., to Arneson Products, Inc. Skimmer cover plate. 4,823,837, 4-25-89, Cl. 137-624.110.

Frenzel, Bertram; Grenzendorfer, Dietmar; Kemter, Heinz; Wuensch, Wolfgang; and Zeisberg, Peter, to VEB Kombinat Textima. Warp-knitting machine, especially sewing-knitting machine, and method for the production of warp-knit fabric with oblique and diagonal filling threads. 4,841,747, 6-27-89, Cl. 66-84.00A.

Frenzel, Bertram; Grenzendorfer, Dietmar; Kemter, Heinz; Wuensch, Wolfgang; and Zeisberg, Peter, to VEB Kombinat Textima. Method and apparatus for the production of textile strip. 4,873,844, 10-17-89, Cl. 66-84.00A.

Frenzel, Jurgen: *See*—

Fasterding, Gunter; and Frenzel, Jurgen, 4,802,623, Cl. 238-44.000.

Frenzen, Gustav: *See*—

Lorenz, Rainer; Frenzen, Gustav; and Losse, Ulrich, 4,834,116, Cl. 57-58.840.

Frenzer, Reinhard: *See*—

Frass, Michael; and Frenzer, Reinhard, 4,844,080, Cl. 128-660.010.

Frequency and Time Systems, Inc.: *See*—

Emmons, Donald A., 4,867,101, Cl. 330-4.300.

Frequin, Vincentius T. M., to U.S. Philips Corporation. Automatic gain control circuit having a control loop including a current threshold circuit. 4,812,908, 3-14-89, Cl. 358-174.000.

Frere, Ronald J.: *See*—

Clarkson, Bruce A.; Frere, Ronald J.; Loughlin, Thomas G.; Taylor, William W., Jr.; and Mongeau, Peter, 4,848,115, Cl. 70-276.000.

Frerejacques, Jean-Claude, to Simmonds S.A. Threaded element forming for example a screw and assembly of pieces obtained with the aid of this element. 4,861,210, 8-29-89, Cl. 411-411.000.

Freres, Donald E., to Sterling Tool Co. Die assembly for punching holes in paper. 4,823,661, 4-25-89, Cl. 83-146.000.

Frerich, Josef; and Viaud, Jean, to Deere & Company. Machine for forming cylindrical bales of crop. 4,813,348, 3-21-89, Cl. 100-5.000.

Frerichs, Klaus-Dieter, to Olympia Werke AG. Ribbon cartridge for typewriters or similar office machines. 4,859,097, 8-22-89, Cl. 400-208.000.

Frerichs, Udo; and Rach, Heinz-Dieter, to Continental Aktiengesellschaft. Bead core for a pneumatic vehicle tire including hollow cords. 4,825,924, 5-2-89, Cl. 152-540.000.

Frerichs, Udo; Boltze, Carsten; Rach, Heinz-Dieter; and Klose, Hans-Ulrich, to Continental Aktiengesellschaft. Apparatus for vulcanising pneumatic vehicle tires. 4,865,532, 9-12-89, Cl. 425-11.000.

Frerichs, Udo: *See*—

Huinink, Heinrich; Frerichs, Udo; and Poque, Dionysius, 4,794,970, Cl. 152-158.000.

Seitz, Hans; Rach, Heinz-Dieter; Pieper, Henner; and Frerichs, Udo, 4,850,411, Cl. 152-379.300.

Fres-co System USA, Inc.: *See*—

Beer, Jeffrey S., 4,835,037, Cl. 428-35.200.

Freschie, Filippo: *See*—

Cinel, Luciano; Cortiana, Giorgio; Freschie, Filippo; Cecchetti, Gianni; and Cocchi, Vittorio, 4,844,132, Cl. 139-449.000.

Frese, Dale C.: *See*—

Hug, Paul M.; Frese, Dale C.; Yesnosky, Paul A.; Umeda, William H.; and Suchomel, Frank R., 4,817,070, Cl. 369-36.000.

Fresenius AG: *See*—

Faeser, Ulrich; and Mahn, Dieter, 4,799,866, Cl. 417-415.000.

Faeser, Ulrich, 4,817,045, Cl. 364-550.000.

Mathieu, Bernd, 4,878,516, Cl. 137-240.000.

Metzner, Klaus; Westphal, Detlef; Allendorfer, Wolfgang; Habel, Reinhard; and Polaschegg, Hans-Dietrich, 4,797,191, Cl. 204-411.000.

Neumann, Hans-Jurgen; and Weber, Wolfram, 4,865,081, Cl. 138-111.000.

Polaschegg, Hans-Dietrich, 4,796,644, Cl. 128-760.000.

Polaschegg, Hans-Dietrich, 4,834,888, Cl. 210-646.000.

Polaschegg, Hans-Dietrich; Westphal, Detlef; and Metzner, Klaus, 4,835,477, Cl. 324-439.000.

Polaschegg, Hans-Dietrich, 4,844,871, Cl. 422-81.000.

Seyffart, Gunther; Rothe, Wolfgang; Bartz, Volker; and Bartz, Volker, 4,879,280, Cl. 514-53.000.

Fresh Juice Company, Inc., The: *See*—

Smith, Steven; and Schafler, Eric, 4,816,273, Cl. 426-393.000.

Fresh, Michael J.: *See*—

Nelson, David C.; Fresh, Michael J.; and Mueller, Herbert, 4,798,554, Cl. 446-222.000.

Freshwater, Lane A.: *See*—

Burg, John S.; Enn, Hirochika; and Freshwater, Lane A., 4,865,562, Cl. 439-395.000.

Freis, E. James, to Sprague Electric Company. High temperature aluminum electrolytic capacitor. 4,823,236, 4-18-89, Cl. 361-306.000.

Freti, Silvano; and Buxmann, Kurt, to Swiss Aluminium Ltd. Method of measurement of the rate of oxidation of a metal melt. 4,842,674, 6-27-89, Cl. 156-601.000.

Fretwell, Paul: *See*—

Dakof, Michael; Beebe, Gene; and Fretwell, Paul, 4,813,371, Cl. 118-59.000.

Freudenberg Nonwovens Ltd.: *See*—

Markwell, Edgar R., 4,860,382, Cl. 2-82.000.

Freudendahl, Jan, to JF-Fabriken - J. Freudendahl A/S. Coupling device for connecting a wheeled field implement to a tractor. 4,838,358, 6-13-89, Cl. 172-125.000.

Freudenheim, Eric J.: *See*—

Rust, Jeffrey J.; LeVasseur, Rodney J.; Meilach, Alan; Beech, Brian; Wetzel, Richard M.; and Freudenheim, Eric J., 4,825,054, Cl. 235-380.000.

Freudenschuss, Otto: *See*—

Rollenitz, Leopold; Krenn, Andreas; Schmidt, Harald; and Freudenschuss, Otto, 4,852,535, Cl. 123-357.000.

Freudenstein, Ferdinand, to Columbia University in the City of New York, The Trustees of. Swing beam internal combustion engines. 4,821,695, 4-18-89, Cl. 123-197.0AC.

Freudenstein, Ferdinand, to Columbia University in the City of New York, Trustees of. Noncircular drive. 4,865,577, 9-12-89, Cl. 474-141.000.

Freudig, Gunter: *See*—

Schneider, Georg; Freudig, Gunter; Rippinger, Fernand; and Braun, Hans, 4,817,014, Cl. 354-728.030.

Freuer, Hans-Georg: *See*—

Pulberth, Werner; and Freuer, Hans-Georg, 4,859,471, Cl. 424-480.000.

Freuler, George H.: *See*—

Tracy, Theodore A.; and Freuler, George H., 4,812,754, Cl. 324-158.00F.

Freund, David M., to RPM Industries, Inc. Combination display form and garment hanger. 4,805,316, 2-21-89, Cl. 223-66.000.

Freund, Friedemann; and Batllo, Francois. Method and apparatus for charge distribution analysis. 4,884,031, 11-28-89, Cl. 324-459.000.

Freund Industrial Co., Ltd.: *See*—

Kishibata, Kazuo; and Sawaguchi, Naozi, 4,834,299, Cl. 241-5.000.

Masuda, Yoshinori; and Motoi, Masaharu, 4,848,673, Cl. 241-5.000.

Motoyama, Shimesu; Ohno, Shigeru; and Umeda, Seiichi, 4,820,442, Cl. 252-188.280.

Freund, Paul X.; and Frund, Zane N., Jr. Chemical resistant laminated garment material. 4,816,330, 3-28-89, Cl. 428-286.000.

Freund, William G.: *See*—

Freidel, Kenneth L.; and Freund, William G., 4,830,649, Cl. 65-104.000.

Freundlich, Lawrence F.; Murthy, Vadiraja V.; and Karmen, Arthur, to Albert Einstein College of Medicine of Yeshiva University. Spectrophotometric method for kinetic absorbance measurements in two-phase enzyme immunoassay and apparatus therefor. 4,857,454, 8-15-89, Cl. 435-7.000.

Freville, Robert; and Segor, Philip, to Kohler Co. Bathtub drain valve control and overflow plate. 4,796,310, 1-10-89, Cl. 4-199.000.

Frew, Duncan W.; and Shadwick, Robert P., to Unisys Corp. Surface lubricants for disc record. 4,797,303, 1-10-89, Cl. 427-131.000.

Frew, Larry H.; and Fuller, Melvin L., to Utility Systems Corporation. Intelligent utility meter system. 4,803,632, 2-7-89, Cl. 364-464.040.

Frey, Alan E.: *See*—

Bowers, Thomas E.; Frey, Alan E.; Kerr, Howard A.; Russell, Larry A.; and Stone, Roger E., 4,885,738, Cl. 370-58.100.

Frey, Albert. Apparatus for dispensing a deformable and flowable filling material. 4,796,679, 1-10-89, Cl. 141-258.000.

Frey, Christian; and Dill, Bernd, to Ciba-Geigy Corporation. Process for the preparation of aromatic ether and thioether compounds. 4,825,005, 4-25-89, Cl. 568-657.000.

Frey, Denise E.: *See*—

Atallah, Francois I.; Bond, Paul W.; and Frey, Denise E., 4,823,095, Cl. 333-22.00R.

Frey, Douglas R. Dynamically biased voltage controlled element. 4,823,093, 4-18-89, Cl. 330-254.000.

Frey, Egon: *See*—

Leinenschneider, Raimund; Neuffer, Klaus; and Frey, Egon, 4,821,018, Cl. 340-471.000.

Frey, Frederick W.: *See*—

Marlett, Everett M.; Frey, Frederick W.; Johnston, Steven W.; and Kaesz, Herbert D., 4,866,191, Cl. 556-171.000.

Frey, Guenter: *See*—

Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, 4,810,404, Cl. 252-75.000.

Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, 4,827,008, Cl. 556-466.000.

Frey, Gunter; and Zimmermann, Gerd, to Boehringer Mannheim GmbH. Agent and process for the detection of redox systems. 4,820,632, 4-11-89, Cl. 435-7.000.

Frey, Gunter; and Wagner, Rudolf, to Carl Freudenberg, Firma. Sleeve for plant germination substrate. 4,881,344, 11-21-89, Cl. 47-77.000.

Frey, James E.; and Stohrer-Hoyt, William, to Teleco Oilfield Services Inc. Kelly-to-riser position determining system with adjustment for uncompensated heave. 4,852,052, 7-25-89, Cl. 364-422.000

Frey, Jeffrey A.: *See*—

Eilert, John H.; Frey, Jeffrey A.; Tan, Yih-shin; and Warnes, James H., 4,809,157, Cl. 364-200.000.

Frey, John R.: *See*—

Buttke, Robert D.; and Frey, John R., 4,804,458, Cl. 208-143.000.

Frey, Jonathan P.: *See*—

Schlipalius, Lance E.; Myers, Jeffrey J.; and Frey, Jonathan P., 4,803,090, Cl. 426-242.000.

Frey, Luther R., to Boeing Company, The. Apparatus for forming thermoplastic laminates into major sections. 4,826,420, 5-2-89, Cl. 425-394.000.

Frey, Mark C.: *See*—

Duthie, George A.; Frey, Mark C.; Gleadall, Wilfred L.; Skrovanek, Ambroz C.; and Corp, David O., 4,821,150, Cl. 361-395.000.

Frey, Marshall; and Scheuer, Thomas, to Airelle Industries, Inc. Inflatable insert for luggage. 4,801,213, 1-31-89, Cl. 383-3.000.

Frey, Michael: *See*—

Liebl, Rainer; Frey, Michael; Mildenberger, Hilmar; Bauer, Klaus; and Bieringer, Hermann, 4,838,931, Cl. 71-94.000.

Frey, Michael L.; and Becker, Gunter, to Intermedics Inc. Sidelock pacer lead connector. 4,860,750, 8-29-89, Cl. 128-419.00P.

Frey, Oscar M., to 683462 Ontario Ltd. Shredding machine. 4,830,292, 5-16-89, Cl. 241-101.00A.

Frey, Otto; and Semlitsch, Manfred, to Sulzer Brothers Limited. Method of making a metal bone implant. 4,800,639, 1-31-89, Cl. 29-421.100.

Frey, Otto; and Koch, Rudolf, to Sulzer Brothers Limited. Metal bone implant. 4,883,492, 11-28-89, Cl. 623-23.000.

Frey, Otto: *See*—

Spotorno, Lorenzo; and Frey, Otto, 4,834,759, Cl. 623-22.000.

Stuhmer, Karl-Gerhart; Frey, Otto; and Koch, Rudolf, 4,795,466, Cl. 623-13.000.

Frey, Peter: *See*—

Prein, Franz; Wiegand, Jurgen; Frey, Peter; and Klink, Norbert, 4,890,035, Cl. 313-633.000.

Frey, Robert A.; Woods, Gail E.; and Schmuck, Leroy C., to Excel Industries, Inc. Torque window. 4,889,175, 12-26-89, Cl. 160-90.000.

Frey, Robert E. Self-cleaning screening device. 4,880,530, 11-14-89, Cl. 209-380.000.

Frey, Ronald L., to Bethlehem Steel Corp. Railway car. 4,800,819, 1-31-89, Cl. 105-238.100.

Frey, Samuel W. Bending apparatus. 4,850,212, 7-25-89, Cl. 72-166.000

Frey, Timothy J.: *See*—

Meyers, Peter V.; Liu, Chung-Heng; and Frey, Timothy J., 4,873,198, Cl. 437-5.000.

Frey, Volker; Pachaly, Bernd; and Zeller, Norbert, to Wacker-Chemie GmbH. Process for preparing silicon carbide fibers. 4,824,651, 4-25-89, Cl. 423-345.000.

Frey, Volker; Pachaly, Bernd; and Zeller, Norbert, to Wacker-Chemie GmbH. Process for preparing moldings based on silicon oxycarbide. 4,833,220, 5-23-89, Cl. 525-477.000.

Frey, Volker: *See*—

Herzig, Christian; Deubzer, Bernward; Frey, Volker; and Esterbauer Josef, 4,857,608, Cl. 525-476.000.

Wolfgruber, Matthias; Deubzer, Bernward; and Frey, Volker, 4,857,582, Cl. 524-730.000.

Frey, Werner: *See*—

Kleine, Willi; Frey, Werner; and Daweritz, Albrecht, 4,880,885, Cl. 526-62.000.

Frey, William A.: *See*—

Ballas, Robert A.; and Frey, William A., 4,812,395, Cl. 435-7.000.

Ballas, Robert A.; and Frey, William A., 4,812,396, Cl. 435-7.000.

Freyberger, Laurin C.: *See*—

Flamm, Peter M.; and Freyberger, Laurin C., 4,809,059, Cl. 358-27.000.

Freychet, David; and Loutaty, Roben, to Compagnie de Raffinage et de Distribution Total France. Device for maintaining in position one end of an element mounted for rotational motion in a tube, and use thereof. 4,848,446, 7-18-89, Cl. 165-94.000

Freyman, Alexander. Shopping cart capable of climbing stairs. 4,809,996, 3-7-89, Cl. 280-5.320.

Freyne, Eddy J. E.: *See*—

Raeymaekers, Alfons H. M.; and Freyne, Eddy J. E., 4,826,862, Cl. 514-388.000.

Raeymaekers, Alfons H. M.; Freyne, Eddy J. E.; and Sanz, Gerard C., 4,859,684, Cl. 514-314.000.

Freyssinet International (Stup): *See*—

Savall, Jose; Parmentier, Claude; and Amelot, Bernard, 4,835,822, Cl. 24-122.600.

Frianeza-Kullberg, Teresita C. Purification of brines with hydrous metal oxide ion exchangers. 4,855,059, 8-8-89, Cl. 210-670.000.

Frianeza-Kullberg, Teresita C.; and Barnette, Darrish W., to Lithium Corporation of America. Sodium removal from brines. 4,859,343, 8-22-89, Cl. 210-679.000.

Friary, Richard J.: *See*—

Ganguly, Ashit K.; Friary, Richard J.; Schwerdt, John H.; Siegel, Marvin I.; Smith, Sidney R.; Seidl, Vera A.; and Sybertz, Edmund J., 4,810,708, Cl. 514-278.000.

Friberg, Walter R. Cementuous fiber impregnated construction composition and process for formation thereof. 4,799,961, 1-24-89, Cl. 106-93.000.

Fribolin, Hans U.: *See—*

Durr, Manfred; Fribolin, Hans U.; Harhausen, Ekkerhard; and Seidel, Jurgen, 4,842,865, Cl. 424-456.000.

Fric, Jacques, to Applications Electronique Techniques Avancees "A.E.T.A.". Telephone installation having a radio link. 4,866,753, 9-12-89, Cl. 379-63.000.

Frick Company: *See—*

Garland, Milton W., 4,840,033, Cl. 62-59.000.

Frick, Gene; and McCarthy, Rex, to SensorMedics Corporation. Noninvasive oximeter and method. 4,824,242, 4-25-89, Cl. 356-41.000.

Frick, Gene; McCarthy, Rex; and Pawlowski, Michael, to SensorMedics Corporation. Wave form filter pulse detector and method for modulated signal. 4,867,571, 9-19-89, Cl. 356-436.000.

Frick, Heinz E.; and Mottram, Dennis J., to British Aerospace Public Limited Company. Open sea transfer of articles. 4,854,800, 8-8-89, Cl. 414-138.200.

Frick, Hughie R.: *See—*

Jackson, Herbert C., Jr.; DeVries, Robert A.; and Frick, Hughie R., 4,830,846, Cl. 423-488.000.

Frick, Klemens: *See—*

Buechel, Franz; and Frick, Klemens, 4,867,365, Cl. 227-10.000.

Frick, Richard H.; Kons, Hugo L.; and Morris, Marion C., to Kimberly-Clark Corporation. Method and apparatus for level winding elastomeric ribbon. 4,802,636, 2-7-89, Cl. 242-67.10R.

Frick, Roger L.; and Pierce, Dean S., to Rosemount Inc. Isolator apparatus. 4,798,089, 1-17-89, Cl. 73-706.000.

Frick, Roger L.; Pierce, Dean S.; and Broden, David A., to Rosemount Inc. Modular transmitter. 4,833,922, 5-30-89, Cl. 73-756.000.

Frick, Roger L., to Rosemount Inc. Digital transmitter with variable resolution as a function of speed. 4,866,435, 9-12-89, Cl. 340-870.160.

Frick, Roger L.: *See—*

Knecht, Thomas A.; Frick, Roger L.; and Bruesehoff, Steven M., 4,833,920, Cl. 73-717.000.

Orth, Kelly M.; Quist, Steven M.; Frick, Roger L.; and Paschke, Randy K., 4,818,994, Cl. 340-870.210.

Schulte, John P.; Orth, Kelly M.; Frick, Roger L.; Westfield, Brian L.; and Paschke, Randy K., 4,878,012, Cl. 324-60.0CD.

Fricke, Eberhard; and Fricke, Marie S. Hand and arm restraint. 4,877,038, 10-31-89, Cl. 128-869.000.

Fricke, Heinz: *See—*

Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

Fricke, Herbert; Strate, Klaus; Wilmes, Manfred; and Frikkee, Arian, to C. A. Weidmuller GmbH & Co. Electrical connector including light-conducting means. 4,887,876, 12-19-89, Cl. 350-96.200.

Fricke, Marie S.: *See—*

Fricke, Eberhard; and Fricke, Marie S., 4,877,038, Cl. 128-869.000.

Fricke, Werner: *See—*

Ziegler, Erwin; Huditz, Peter; Fricke, Werner; and Weissenberger, Helmuth, 4,809,835, Cl. 192-89.00B.

Fricke, William C.: *See—*

Telfair, William B.; Martin, Clifford A.; Gordon, Eugene I.; and Fricke, William C., 4,885,471, Cl. 250-461.100.

Frickel, Fritz-Frieder: *See—*

Wuest, Hans-Heiner; Frickel, Fritz-Frieder; and Nuerrenbach, Axel, 4,801,733, Cl. 560-56.000.

Wuest, Hans-Heiner; Frickel, Fritz-Frieder; Paust, Joachim; Schmieder, Klaus; and Nuerrenbach, Axel, 4,804,670, Cl. 514-381.000.

Wuest, Hans-Heiner; Frickel, Fritz-Frieder; and Nuerrenbach, Axel, 4,806,558, Cl. 514-381.000.

Fricker, Hans, to Sulzer Brothers Limited. Chain for use in device for preventing rupturing of a pipeline. 4,813,225, 3-21-89, Cl. 59-84.000.

Fricker, Ludwig, to Daimler-Benz Aktiengesellschaft. Sound insulated vehicle drive unit. 4,811,700, 3-14-89, Cl. 123-198.00E.

Fricker, Ludwig: *See—*

Abthoff, Jorg; Fortnagel, Manfred; Fricker, Ludwig; Kutschera, Immanuel; Kramer, Michael; and Kuhn, Michael, 4,836,161, Cl. 123-299.000.

Fricker, Robert, to Stopinc Aktiengesellschaft. Slide gate valve at the nozzle of a vessel containing molten metal. 4,848,604, 7-18-89, Cl. 222-600.000.

Fricker, Robert, to Stopinc Aktiengesellschaft. Device for clamping fireproof plates in metal frames of slide-valve shutters. 4,867,428, 9-19-89, Cl. 269-134.000.

Fricker, Siegfried. Molding for the retention of a tie in the concreting of a precast concrete part. 4,821,904, 4-18-89, Cl. 249-91.000.

Fricker, Siegfried. Panel anchoring device. 4,838,507, 6-13-89, Cl. 248-230.000.

Fricker, Siegfried. Method and apparatus for making an undercut drilled hole in a fixed base. 4,838,742, 6-13-89, Cl. 409-131.000.

Fricker, Siegfried. Retaining device. 4,369,042, 9-26-89, Cl. 52-699.000.

Fricker, Siegfried; and Erohlich, Klaus, to Fricker, Siegfried. Toothed anchoring rail. 4,878,640, 11-7-89, Cl. 248-297.200.

Frickey, Paul H.; and Norton, Gary E., to Eastman Kodak Company. Analytical element and method for theophylline determination having increased alkaline phosphatase isoenzyme. 4,806,470, 2-21-89, Cl. 435-21.000.

Frictionless Hinges & Joints Limited: *See—*

Maidment, Robert A. M.; and Smith, Michael T., 4,843,679, Cl. 16-227.000.

Friday, Ronald W. Mobile suspended scaffold. 4,828,073, 5-9-89, Cl. 182-36.000.

Friden, Philip M.; and Schimmel, Paul R., to Massachusetts Institute of Technology. LEU3 gene sequence of S. cerevisiae and use in regulation of amino acid synthesis. 4,870,159, 9-26-89, Cl. 530-324.000.

Fridh, Lars; and Ingemansson, Stig, to Gyproc AB. Perforated sound absorbing panel. 4,830,140, 5-16-89, Cl. 181-288.000.

Fridland, Anatoly: *See—*

Pearlman, Sheldon; Fridland, Anatoly; and Martin, Gunther J., 4,799,239, Cl. 375-88.000.

Fridland, Ida: *See—*

Wilkus, Edward V.; Fridland, Ida; and Betts, Joseph E., 4,857,673, Cl. 174-110.0PM.

Fridlyand, Mikhail G., to Gossudarsvenny Proektny i Nauchno-Issledovatelsky Institute Nikelevo-Kobaltovoi Promyshylennosti. Method of constantly restoring an electrode during plasma treatment of materials. 4,810,851, 3-7-89, Cl. 219-121.590.

Fridman, Boris S.: *See—*

Gainutdinova, Raisa V.; Petrova, Vera M.; Blokhina, Alevtina I.; Fridman, Boris S.; and Gamer, Pinkhos U., 4,841,991, Cl. 128-833.000.

Fridman, Ron. Battery monitoring system. 4,820,966, 4-11-89, Cl. 320-32.000.

Fridman, Vladimir: *See—*

Zawodny, Arthur; and Fridman, Vladimir, 4,839,678, Cl. 354-217.000.

Fridman, Vladimir M.: *See—*

Khutoretsky, Garri M.; Fridman, Vladimir M.; Zagorodnaya, Galina A.; Maximov, Leonid V.; and Tjurin, Jury G., 4,820,945, Cl. 310-52.000.

Khutoretsky, Garri M.; Tjurin, Jury G.; Varshavsky, Vladimir D.; Zagorodnaya, Galina A.; and Fridman, Vladimir M., 4,876,469, Cl. 310-52.000.

Fridsma, Daniel E., to Westinghouse Electric Corp. Turbine governor valve monitor. 4,878,348, 11-7-89, Cl. 60-660.000.

Frie, Monika: *See—*

Stroech, Klaus; Frie, Monika; Bockmann, Klaus; Lurssen, Klaus; and Dutzmann, Stefan, 4,888,048, Cl. 71-92.000.

Friebe, Walter-Gunar; and Wilhelms, Otto-Henning, to Boehringer Mannheim GmbH. N^6-disubstituted purine derivatives, and pharmaceutical compositions containing them, useful for treating allergic diseases, bronchospastic and bronchoconstrictory conditions. 4,853,386, 8-1-89, Cl. 514-266.000.

Friebe, Walter-Gunar; Mertens, Alfred; Strein, Klaus; and Boehm, Erwin, to Boehringer Mannheim GmbH. Pyrrolobenzimidazoles and pharmaceutical compositions containing them. 4,863,945, 9-5-89, Cl. 514-393.000.

Friebe, Walter-Gunar: *See—*

Mertens, Alfred; von der Saal, Wolfgang; Friebe, Walter-Gunar; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,851,406, Cl. 514-212.000.

Simon, Herbert; Michel, Helmut; Friebe, Walter-Gunar; and Bartsch, Wolfgang, 4,801,596, Cl. 514-327.000.

von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,835,167, 514-359.000.

von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,870,077, Cl. 514-254.000.

Friebel, Gottfried O., to Boeing Company, The. Supersonic airplane. 4,828,204, 5-9-89, Cl. 244-15.000.

Fried, Bernard: *See—*

Letovsky, Howard; and Fried, Bernard, 4,887,967, Cl. 434-61.000.

Fried, George: *See—*

Scordato, Richard E.; and Fried, George, 4,821,586, Cl. 73-864.180.

Fried, Herbert E., to Shell Oil Company. Process for the selective separation of vinylidene olefins from mixtures with other olefins. 4,822,911, 4-18-89, Cl. 560-205.000.

Fried, Herbert E.; and Edwards, Charles L., to Shell Oil Company. Reaction of olefins with maleic anhydride. 4,879,394, 11-7-89, Cl. 549-255.000.

Fried, Jeffrey A.; and Rosebrugh, Christopher P., to GTE Laboratories Incorporated. Content-addressable memory having control circuitry and independent controls for match and write cycles. 4,862,412, 8-29-89, Cl. 365-49.000.

Fried, Kim L.: *See—*

Hendren, Gary L.; Provost, Richard L.; Fried, Kim L.; and Taylor, Leland A., 4,886,578, Cl. 162-123.000.

Fried. Krupp Gesellschaft mit beschrankter Haftung: *See—*

Ahrens, Karl-Heinz; and Osthaus, Georg, 4,816,079, Cl. 127-60.000.

Bebber, Hans J.; Rossner, Heinrich-Otto; and Espendiller, Bernhard, 4,818,836, Cl. 219-121.540.

Bieneck, Jurgen, 4,813,823, Cl. 408-59.000.

Bieneck, Jurgen, 4,881,431, Cl. 76-108.00R.

Block, Peter, 4,809,241, Cl. 367-88.000.

Buch, Elmar; Greff, Jurgen; Marzinkewitsch, Rene; and Vogelgesang, Herbert, 4,807,458, Cl. 72-235.000.

Cleve, Peter; and Lomberg, Alfons, 4,831,859, Cl. 72-260.000.

Coenen, Hubert; Hagen, Rainer; and Reimann, Klaus, 4,812,233, Cl. 210-177.000.

Coenen, Hubert; Hagen, Rainer; and Reimann, Klaus, 4,828,702, Cl. 210-634.000.

Dahlmann, Peter; Jachowski, Johannes; Pant, Paul; and Stein, Gerald, 4,865,661, Cl. 148-325.000.

Drewel, Gunter; Enoch, Horst; and Grotkasten, Klaus, 4,800,059, Cl. 264-502.000.

Enneking, Gregor, 4,872,542, Cl. 198-312.000.

Friedrich, Ronald; Hammecke, Werner, deceased; and Friedrich, Ronald, 4,802,526, Cl. 164-287.000.

Hirschkorn, Ingo, 4,824,353, Cl. 425-190.000.

Hirschkorn, Ingo, 4,840,554, Cl. 425-190.000.

Hoster, Irmgard; Hoster, Thomas; Neuschutz, Dieter; and Radke, Dietrich, 4,851,040, Cl. 75-26.000.

Jachowski, Johannes; Pant, Paul; Riepe, Udo; and Stein, Gerald, 4,844,747, Cl. 148-2.000.

Kostrewa, Ludwig, 4,860,884, Cl. 198-509.000.

Lentz, Norbert; and Schmidt, Harald, 4,830,258, Cl. 228-17.500.

Lindigkeit, Jurgen, 4,830,824, Cl. 420-436.000.

Mayer, Kurt; Richey, Volker; and Schneider, Hans-Peter, 4,885,530, Cl. 324-61.00R.

Mohs, Rudolf; and Bensmann, Gunter, 4,855,101, Cl. 419-8.000.

Schroder, Gerd; and Stender, Egon, 4,810,038, Cl. 299-18.000.

Schwarz, Wilhelm; and Heinz, Winfried, 4,852,857, Cl. 266-99.000.

Steinfort, Peter; and Weis, Gilbert, 4,850,869, Cl. 433-172.000.

von Haas, Rainer, 4,824,274, Cl. 403-24.000.

von Haas, Rainer, 4,860,429, Cl. 29-568.000.

Von Haas, Rainer; and Tack, Hans, 4,864,714, Cl. 29-568.000.

Von Haas, Rainer, 4,879,930, Cl. 82-158.000.

Fried, Raymond L.: *See—*

Flugstad, Ben; Fried, Raymond L.; Hedge, Alan; McJunkin, Barton L.; and Talbot, Mark D., 4,810,977, Cl. 332-19.000.

Fried, Reinhard, to BBC Brown Boveri AG. Method of manufacturing rotating thermal machine blading consisting of an airfoil, a root and a shroud plate or a shroud by fastening a shroud plate, and a blade manufactured by this method. 4,820,124, 4-11-89, Cl. 416-191.000.

Friedberg, Milton R.; and Trebules, Victor W., to Antenna Incorporated, A Division of Celwave. Antenna mounting apparatus. 4,827,273, 5-2-89, Cl. 343-715.000.

Friedebach, Adolf H., to Fitness Quest, Inc. Cross-country ski exercise device. 4,804,178, 2-14-89, Cl. 272-97.000.

Friedebach, Adolf H.: *See—*

Suarez, Richard A.; and Friedebach, Adolf H., 4,815,731, Cl. 272-139.000.

Friedemann, Pete D.: *See—*

Ellis, Eugene B.; Friedemann, Pete D.; and Glass, Richard W., 4,806,377, Cl. 426-549.000.

Frieder, Philip M.; and deRojas, J. Edward, to Optical Systems International Inc. Method for making bifocal lens. 4,846,913, 7-11-89, Cl. 156-242.000.

Frieder, Philip M. Finished composite eyeglass lens. 4,867,553, 9-19-89, Cl. 351-172.000.

Frieder, Philip M.; and Walach, Michael, to Opticorp, Inc. Non-progressive multifocal ophthamic lenses. 4,869,588, 9-26-89, Cl. 351-168.000.

Friedhelm Pickhan: *See—*

Arnold, Gerhard, 4,860,937, Cl. 227-147.000.

Friedl, Richard, to LGZ Landis & Gyr Zug AG. Electricity meter with arrangement for monitoring core saturation incidents. 4,843,310, 6-27-89, Cl. 324-127.000.

Friedland, Bernard, to Kearfott Guidance and Navigation Corp. System for measuring the position of vibrating object. 4,888,705, 12-19-89, Cl. 364-508.000.

Friedland, David N.: *See—*

Mondl, John T., 4,796,000, Cl. 338-15.000.

Friedland, Jeffrey B.; Adelberg, Arthur; and Deitch, Barry M. Dental treatment kit. 4,828,113, 5-9-89, Cl. 206-570.000.

Friedlander, Barry T.; Davis, Robert A.; and Blem, Allen R., to Uniroyal Chemical Company, Inc.; and Uniroyal Chemical Ltd./Ltee. Substituted imidazoles and triazoles. 4,870,094, 9-26-89, Cl. 514-383.000.

Friedlander, Charles B.: *See—*

Hayes, Deborah E.; Weissberg, Alan B.; Friedlander, Charles B.; and Ryan, Edward T., 4,880,668, Cl. 427-162.000.

Friedle, Dennis J.; Kolb, Richard P.; and Lieb, M. Jeremy, to Outboard Marine Corporation. Shift linkage for marine propulsion device. 4,838,822, 6-13-89, Cl. 440-86.000.

Friedle, Dennis J.; Kolb, Richard P.; and McLeod, Kenneth M., to Outboard Marine Corporation. Anti-siphon fuel valve assembly for marine installations. 4,880,403, 11-14-89, Cl. 440-88.000.

Friedman, Alan R.: *See—*

Moser, Douglas J.; Synclair, Damian; and Friedman, Alan R., 4,794,768, Cl. 70-165.000.

Friedman, Denis R.: *See—*

Latour, Guy; Himmelsbach, Richard; and Friedman, Denis R., 4,849,102, Cl. 210-321.840.

Friedman, Donald. Infant carrier. 4,804,230, 2-14-89, Cl. 297-457.000.

Friedman, Ernest H.; Sanders, Gary G.; and Hunter, Steven L., to Friedman, Ernest H. Method and apparatus to monitor asymmetric and interhemispheric brain functions. 4,802,484, 2-7-89, Cl. 128-630.000.

Friedman, Evelyn; and Carswell, William R., to EB Metal Industries, Inc. Price mechanism for coin operated vending machine. 4,844,229, 7-4-89, Cl. 194-226.000.

Friedman, Frank A.: *See—*

Kelley, James O.; Stumpf, William E.; and Friedman, Frank A., 4,876,835, Cl. 52-239.000.

Friedman, Gary L.: *See—*

Morales, Sergio; and Friedman, Gary L., 4,847,837, Cl. 371-8.000.

Friedman, Gennady, to Advanced Techniques Co., Inc. Convection heat attachment and removal instrument for surface mounted assemblies. 4,799,617, 1-24-89, Cl. 228-180.200.

Friedman, Gerald I., to Precision Castparts Corp. Method of forming a metal article from powdered metal. 4,861,546, 8-29-89, Cl. 419-8.000.

Friedman, Harry, III. Rare gas control system. 4,818,968, 4-4-89, Cl. 315-169.100.

Friedman, Harvey S., to Digital Equipment Corporation. Thermal package for electronic components. 4,887,147, 12-12-89, Cl. 357-74.000.

Friedman, Ira L.: *See—*

Saltzman, Gilbert A.; Wertz, Timothy A.; and Friedman, Ira L., 4,864,094, Cl. 219-77.000.

Saltzman, Gilbert A.; Wertz, Timothy A.; and Friedman, Ira L., 4,878,953, Cl. 148-4.000.

Wertz, Timothy A.; Saltzman, Gilbert A.; and Friedman, Ira L., 4,808,055, Cl. 416-224.000.

Wertz, Timothy A.; Saltzman, Gilbert A.; and Friedman, Ira L., 4,822,248, Cl. 416-192.000.

Friedman, Joseph S.; King, John P.; and Pride, Joseph P., III, to Signal Science, Inc. Time difference of arrival geolocation method, etc. 4,888,593, 12-19-89, Cl. 342-387.000.

Friedman-Kien, Alvin E.; and Cao, Yunzhen, to New York University. Method for detecting antibodies to human immunodeficiency virus. 4,865,966, 9-12-89, Cl. 435-5.000.

Friedman, Linda. Clothing display form. 4,809,889, 3-7-89, Cl. 223-75.000.

Friedman, Mark I.; Tordoff, Michael G.; DiNovi, Michael J.; and Rafka, Robert J., to Monell Chemical Senses Center. Use of 2,5-anhydro-D-mannitol as a food intake modifier. 4,808,626, 2-28-89, Cl. 514-738.000.

Friedman, Mark I.: *See—*

DiNovi, Michael J.; Rafka, Robert J.; Friedman, Mark I.; and Tordoff, Michael G., 4,871,776, Cl. 514-738.000.

Friedman, Michael; Bialer, Meir; and Ziad, Hussein, to Yissum Research Development Company of the Hebrew University of Jerusalem. Sustained release tablets of theophylline. 4,795,645, 1-3-89, Cl. 424-468.000.

Friedman, Michael N. Loose leaf holder for use with ring binders. 4,795,287, 1-3-89, Cl. 402-79.000.

Friedman, Michael N. Indexing systems. 4,863,194, 9-5-89, Cl. 283-38.000.

Friedman, Michael P.; Jablonsky, James; and Schell, Ronald F. Sedimentation filtration microorganism growth culture system. 4,829,005, 5-9-89, Cl. 435-296.000.

Friedman, Morton L., to United States of America, National Aeronautics and Space Administration. Acquisition signal transmitter. 4,888,595, 12-19-89, Cl. 342-457.000.

Friedman, Nitza: *See—*

Manor, Shalom; Pipko, Grigori; Langham, Adrian; Friedman, Nitza; and Steiner, Amalia, 4,836,995, Cl. 423-309.000.

Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., to American Maize-Products Company. Foodstuffs containing starch of an amylose extender sugary-2 genotype. 4,798,735, 1-17-89, Cl. 426-578.000.

Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., to American Maize-Products Company. Foodstuffs containing starch of a waxy shrunken-2 genotype. 4,801,470, 1-31-89, Cl. 426-578.000.

Friedman, Robert H.; and Surles, Billy W., to Texaco Inc. Consolidatable gravel pack method. 4,800,960, 1-31-89, Cl. 166-276.000.

Friedman, Robert H.; and Surles, Billy W., to Texaco Inc. Method for forming a barrier to fluid flow in an oil formation adjacent to a producing oil well. 4,817,720, 4-4-89, Cl. 166-295.000.

Friedman, Robert H.; and Surles, Billy W., to Texaco Inc. Sand consolidation methods. 4,842,072, 6-27-89, Cl. 166-295.000.

Friedman, Robert J.: *See—*

Dormond, Kenneth; and Friedman, Robert J., 4,839,822, Cl. 364-513.000.

Friedman, Robert S., to Dallas Cowboys Football Club Limited. Combination remote hand control/foot pedal control system for VCR. 4,809,117, 2-28-89, Cl. 360-137.000.

Friedman, Samuel B., to Royal Technologies USA, Inc. Electrical cordset. 4,861,288, 8-29-89, Cl. 439-736.000.

Friedman, Stephen J. Dental viscous material dispenser. 4,813,871, 3-21-89, Cl. 433-90.000.

Friedmann, Eric H., to Norzon Management Limited. Processing of biological products. 4,841,850, 6-27-89, Cl. 99-472.000.

Friedmann, Eric H., to Norzon Management Limited. Processing of biological products. 4,865,861, 9-12-89, Cl. 426-486.000.

Friedmann, John. Disposable internally applied penile erector. 4,869,241, 9-26-89, Cl. 128-79.000.

Friedmann, Oswald, to Luk Lamellen und Kupplungsbau GmbH. Vibration damping apparatus. 4,816,006, 3-28-89, Cl. 464-67.000.

Friedmann, Oswald; and Elison, Hans-Dieter, to LUK Lamellen und Kupplungsbau GmbH. Torque transmitting mechanism. 4,889,009, 12-26-89, Cl. 74-574.000.

Friedow, Michael, to Robert Bosch GmbH. Hydraulic brake system. 4,811,994, 3-14-89, Cl. 303-115.000.

Friedow, Michael; and van Zanten, Anton, to Robert Bosch GmbH. Anti-lock brake system with traction control. 4,846,532, 7-11-89, Cl. 303-110.000.

Friedow, Michael: *See—*

Bernhardt, Wolfgang; and Friedow, Michael, 4,300,995, Cl. 188-319.000.

Friedr. Boesner GmbH: *See—*

Taubert, Hubert; and Webendorfer, Rudolf, 4,820,098, Cl. 411-411.000.

Friedrich Deckel Aktiengesellschaft: *See—*

- Seerieder, Karl; and Wellner, Eckhard, 4,806,719, Cl. 219-69.00C.
- Strauss, Walter, 4,884,481, Cl. 82-1.200.

Friedrich-Fiechtl, Jurgen-Dietrich; Kerner, Bernhard; Holzapfel, Jurgen; Puschmann, Martin; Kimura, Tokusuke; and Kurosu, Fumio, to Armour Pharma GmbH. Process for preparing gamma globulin suitable for intravenous administration using peg and a citrate buffer. 4,835,257, 5-30-89, Cl. 530-387.000.

Friedrich, Frank D.: *See—*

- Razbin, Vladimir V.; Desai, Dilip L.; and Friedrich, Frank D., 4,817,540, Cl. 110-266.000.

Friedrich Grohe Armaturenfabrik GmbH & Co.: *See—*

- Heimann, Bruno; Luke, Rainer; and Eichholz, Heinz-Dieter, 4,827,538, Cl. 4-192.000.
- Herring, William P., 4,805,245, Cl. 4-192.000.
- Humpert, Jurgen; and Kostorz, Jan R., 4,846,207, Cl. 137-15.000.
- Krippendorf, Manfred, 4,848,395, Cl. 137-359.000.
- Mennigmann, Kurt, 4,856,556, Cl. 137-625.400.

Friedrich, Hans-Helmut: *See—*

- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,808,755, Cl. 564-501.000.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,830,770, Cl. 252-77.000.
- Wirth, Hermann O.; Schneider, Rainer; and Friedrich, Hans-Helmut, 4,835,310, Cl. 252-47.500.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,863,621, Cl. 252-47.500.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, 4,886,610, Cl. 252-32.500.

Friedrich, Heinz: *See—*

- Gruber, Harald; Richter, Andreas M.; Fanghanel, Egon; Roth, Hans-Klaus; Friedrich, Heinz; and Maras, Siegfried, 4,886,627, Cl. 252-513.000.

Friedrich, Horst: *See—*

- Feil, Eugen; Neumann, Gerd; Graser, Wolfgang; and Friedrich, Horst, 4,800,675, Cl. 47-33.000.
- Feil, Eugen; Neumann, Gerd; Graser, Wolfgang; and Friedrich, Horst, 4,854,102, Cl. 52-535.000.

Friedrich, Juergen, to Kama Corporation. Static mixing device. 4,865,460, 9-12-89, Cl. 366-337.000.

Friedrich, Jurgen: *See—*

- Drews, Wolf-Dietrich; Van Der Linden, Klaus; Ruttel, Martin, and Friedrich, Jurgen, 4,877,989, Cl. 310-323.000.

Friedrich, Karl; and Zwanzigleitner, Othmar, to Chrysler Motors Corporation. Axle drive differential for motor vehicles. 4,864,890, 9-12-89, Cl. 74-713.000.

Friedrich, Karl: *See—*

- Cameron, Dugald; Friedrich, Karl; Zmugg, Rudolf; and Resele, Peter, 4,867,260, Cl. 180-360.000.

Friedrich, Ludwig: *See—*

- Rossy, Philip A.; Thyes, Marco; Franke, Albrecht; Koenig, Horst; Lehmann, Hans D.; Gries, Josef; Friedrich, Ludwig; and Lenke, Dieter, 4,873,246, Cl. 514-252.000.

Friedrich, Marju L.: *See—*

- Swiggett, Brian E.; Morino, Ronald; Keogh, Raymond J.; Crowell, Jonathan C.; Szenczy, George; Schoenberg, Andrew J.; and Friedrich, Marju L., 4,859,807, Cl. 174-68.500.

Friedrich Mortl Schleppergerate Bau GmbH & Co.: *See—*

- Grenzebach, Hans, 4,881,364, Cl. 56-314.000.

Friedrich, Pawel; Placzek, Wieslaw; Mynarz, Leszek; Karpinski, Krzysztof; Gaszewski, Jerzy; and Tarasiuk, Tadeusz, to Instytut Chemii Przemyslowej. Method and a fastener for closing and sealing pipes subjected to internal pressure. 4,838,075, 6-13-89, Cl. 73-49.800.

Friedrich, Peter W., to West Company, The. Tamper-evident snap type container closure assembly. 4,848,615, 7-18-89, Cl. 215-254.000.

Friedrich, Reinhard: *See—*

- Abou-Aly, Mohamed; Bohnacker, Eberhard; Kiefel, Bernhard; Gerhardy, Reinhard; Friedrich, Reinhard; and Krauter, Erich, 4,816,192, Cl. 261-130.000.
- Zimmermann, Gunther; Friedrich, Reinhard; Nantt, Wolfgang; and Weissert, Wolfgang, 4,872,587, Cl. 220-375.000.

Friedrich, Ronald; Hammecke, Werner, deceased (by Hammecke, Marie Elise Gisela, heiress); and Friedrich, Ronald, to Fried. Krupp GmbH. Centrifugal caster. 4,802,526, 2-7-89, Cl. 164-287.000.

Friedrich, Ronald: *See—*

- Friedrich, Ronald; Hammecke, Werner, deceased; and Friedrich, Ronald, 4,802,526, Cl. 164-287.000.

Friedrich, Steven G.; and Davis, Kent A., to W. R. Grace & Co. Laminate for an easily opened package. 4,859,514, 8-22-89, Cl. 428-36.600.

Friedrich, Steven G.: *See—*

- Lulham, Cedric M.; Wofford, George D.; Bradfute, John G.; and Friedrich, Steven G., 4,875,587, Cl. 206-484.000.

Friedrich Wilh. Schwing GmbH: *See—*

- Schwing, Friedrich, 4,852,467, Cl. 92-128.000.
- Simnovec, Andrej; Meinken, Bernhard; and Schwing, Friedrich, 4,799,573, Cl. 182-2.000.

Friedrich, Wilhelm; Gebauer, Helmut; Hafner, Walter; and Regiert, Marlies, to Consortium fur Elektrochemische Industrie GmbH. Alcohols containing 2-methylphenyl or 2-methoxyphenyl groups, and fragrances containing same. 4,849,401, 7-18-89, Cl. 512-25.000.

Friedrich, Wolfgang: *See—*

- Brandenstein, Manfred; Haas, Roland; Friedrich, Wolfgang; and Herrmann, Gerhard, 4,872,768, Cl. 384-223.000.

Friedrichs, Bernd; and Hankel, Willi, to Hewi Heinrich Wilke GmbH. Lock for doors or the like. 4,871,202, 10-3-89, Cl. 292-169.000.

Friedrichs, Bernd, to Hewi Heinrich Wilke GmbH. Means for mounting hardware or fittings, especially shelves and holders. 4,887,787, 12-19-89, Cl. 248-551.000.

Friedrichs, K. Gerd, to Klifa Fahrzeugteile GmbH & Co. Method for the manufacture of a pump rotor for a coolant pump in a motor vehicle. 4,827,589, 5-9-89, Cl. 29-156.40R.

Friedrichs, Karl G., to Klifa Fahrzeugteile GmbH & Co. Chain tensioner. 4,826,468, 5-2-89, Cl. 474-101.000.

Friedrichs, Reinhard: *See—*

- Plank, Friedrich W.; Machnig, Helmut; Mischke, Georg H.; Friedrichs, Reinhard; and Nahrmann, Norbert, 4,878,623, Cl. 241-5.000.

Friedrichsfeld GmbH Keramik und Kunststoffwerke: *See—*

- Rehder, Gunther, 4,865,606, Cl. 623-20.000.

Friel, Daniel D., to Edgecraft Corp. Method and apparatus for sharpening a knife. 4,807,399, 2-28-89, Cl. 51-109.0BS.

Friel, Kevin J., to Raychem Corporation. Electrical devices comprising conductive polymers. 4,882,466, 11-21-89, Cl. 219-219.000.

Friel, Kevin J.: *See—*

- Small, Michele; Friel, Kevin J.; and Meager, Paul A., 4,862,701, Cl. 62-150.000.

Friel, Thomas C., Jr.; and O'Lenick, Anthony J., to GAF Corporation. Novel non-depositing defoaming compositions. 4,871,483, 10-3-89, Cl. 260-404.500.

Frielinghaus, Klaus H., to General Signal Corporation. Broken rail and/or broken rail joint bar detection. 4,886,226, 12-12-89, Cl. 246-121.000.

Frielinghaus, Klaus H.: *See—*

- Hoelscher, James R.; Frielinghaus, Klaus H.; Raso, Frank A.; and Smith, Barry L., 4,878,638, Cl. 246-34.0CT.

Frielingsdorf, Raimund: *See—*

- Lahn, Bernd-Jurgen; and Frielingsdorf, Raimund, 4,834,612, Cl. 415-119.000.

Friemel, Wolfgang; Barth, Volker; Munzel, Martin; and Ehret, Reiner, to Detia Freyberg GmbH. Method of fumigating agricultural products using hydrogen phosphide. 4,812,291, 3-14-89, Cl. 422-28.000.

Friend, Alden E.; and Dunham, Lawrence A., to ITT Corporation. Fire isolation device. 4,887,631, 12-19-89, Cl. 137-74.000.

Friend, Deborah R.: *See—*

- Bohm, Howard A.; and Friend, Deborah R., 4,844,896, Cl. 424-89.000.

Friend, Dennis M. Temperature control system for air conditioning system. 4,830,095, 5-16-89, Cl. 165-22.000.

Friend, John M. K.: *See—*

- Beker, Henry J.; Halliden, Paul W.; and Friend, John M. K. 4,890,323, Cl. 380-25.000.

Friend, Russell P. Cable operated loader apparatus. 4,795,305, 1-3-89, Cl. 414-709.000.

Friends, Gary D.; and Kunzler, Jay F., to Bausch & Lomb Incorporated. Polymeric materials with high oxygen permeability and low protein substantivity. 4,810,764, 3-7-89, Cl. 526-245.000.

Friese, Axel, to Johnson & Johnson GmbH. Feminine hygiene tampon and method and apparatus for making same. 4,816,100, 3-28-89, Cl. 156-191.000.

Friese, Axel, to Johnson & Johnson GmbH. Feminine hygiene tampon and method and apparatus for making same. 4,859,273, 8-22-89, Cl. 156-446.000.

Friese, Axel, to Johnson & Johnson GmbH. Feminine hygiene tampon and method and apparatus for making same. 4,863,450, 9-5-89, Cl. 604-370.000.

Friese, Hans-Herbert; Ploog, Uwe; and Prinz, Wolfgang, to Henkel Kommanditgesellschaft auf Aktien. Oiling agents based on sulfosuccinic acid monoamides. 4,799,932, 1-24-89, Cl. 8-94.230.

Friese, Hans-Herbert; Pieper, Friedrich; and Bosse, Reinhard, to Henkel Kommanditgesellschaft auf Aktien. Sulfited fats. 4,800,045, 1-24-89, Cl. 260-400.000.

Friese, Karl-Hermann: *See—*

- Benedikt, Walter; Heess, Gerhard; Herden, Werner; Friese, Karl-Hermann; Reum, Helmut; Schmatz, Jurgen; and Schwab, Siegbert, 4,798,991, Cl. 313-137.000.

Friesen, Dwayne T.; and Obligin, Alan S., to Bend Research, Inc. Siloxane-grafted membranes. 4,877,528, 10-31-89, Cl. 210-500.290.

Friesen, Dwayne T.; and Babcock, Walter C., to Bend Research, Inc. Ultrathin-skinned asymmetric membranes by immiscible solvents treatment. 4,883,593, 11-28-89, Cl. 210-500.320.

Friesen, Dwayne T.: *See—*

- Babcock, Walter C.; and Friesen, Dwayne T., 4,876,207, Cl. 521-28.000.
- Matson, Stephen L.; Lee, Eric K. L.; Friesen, Dwayne T.; and Kelly, Donald J., 4,824,443, Cl. 55-16.000.

Friesen, Harold W.; and Nutt, Wendell G., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Local area network cabling arrangement. 4,873,393, 10-10-89, Cl. 174-34.000.

Friesen, Heinz-Jurgen; Grenner, Gerd; Pauly, Hans-Erwin; Kohl, Helmut; Habenstein, Klaus; and Stark, Joseph, to Behringwerke Aktiengesellschaft. Sheet-like diagnostic device. 4,861,711, 8-29-89, Cl. 436-7.000.

Friesen, Ronald. Moveable support frame. 4,863,178, 9-5-89, Cl. 280-32.600.

Friesen, Vernon W. Adjustable basetball goal. 4,801,142, 1-31-89, Cl. 273-1.50R.

Friess, Richard C.: *See—*

- Amundsen, Keith B.; Evans, Richard P.; Friess, Richard C.; Soma, Robert J.; and Zink, Barry C., 4,825,435, Cl. 370-97.000.

Friesz, Antal; Nad, Zsuzsanna; Nagy, Lajos; and Kallay, Tamas, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Process for the preparation of depogen. 4,820,838, 4-11-89, Cl. 544-268.000.

Frietsch, Kurt: *See—*

- Maucher, Edmund; Huber, Lothar; Frietsch, Kurt; and Maucher, Paul, 4,883,153, Cl. 192-70.270.

Frigeni, Viviana: *See—*

- Chiarino, Dario; Grancini, Gian C.; Frigeni, Viviana; and Carenzi, Angelo, 4,829,077, Cl. 514-366.000.

Frigerio, Marco: *See—*

- Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; Tofanetti, Odoardo; and Tognella, Sergio, 4,839,348, Cl. 514-89.000.
- Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; Tofanetti, Odoardo; Menta, Ernesto; and Tognella, Sergio, 4,845,113, Cl. 514-356.000.
- Nisato, Dino; and Frigerio, Marco, 4,822,895, Cl. 548-953.000.

Frigg, Robert; Gisin, Paul; Perren, Stephan M.; Jenny, Urs; and Ritter, Gebhard, to Synthes (U.S.A.). Sighting instrument. 4,803,976, 2-14-89, Cl. 128-92.0VD.

Frigger, Heinz, to Alfred Teves GmbH. Anti-lock brake system with clutch or transmission control. 4,825,989, 5-2-89, Cl. 192-13.00R.

Friggstad, Terrance; and Hundeby, David R., to Flexi-Coil Limited. Agricultural implement having rock shaft actuated transport wheel frames. 4,840,233, 6-20-89, Cl. 172-311.000.

Frigo, Domenico: *See—*

- Cordiano, Ettore; Garnero, Pierino; and Frigo, Domenico, 4,7[illegible],869, Cl. 418-97.000.

Frigo, Valerio: *See—*

- Bonomi, Giovanni B.; Giacomini, Luigi; Bonomi, Christiano; Aresa, Carmine; and Frigo, Valerio, 4,885,836, Cl. 29-524.100.

Frigola Constansa, Jordi; Ribalta Baro, Jose M.; and Campon Pardo, Julio, to Induspol, S.A. Process for obtaining 4-hydroxy-2-methyl-N-(2-pyridyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide. 4,797,483, 1-10-89, Cl. 544-49.000.

Frigorifico Rio Platense Saici Y F: *See—*

- Favetto, Guillermo J.; Chiriffe, Jorge; Scorza, Osvaldo C.; and Hermida, Carlos A., 4,834,017, Cl. 116-207.000.

Frihart, Charles R.; and Pavlin, Mark S., to Union Camp Corporation. Ink compositions for ink jet printing. 4,830,671, 5-16-89, Cl. 106-27.000.

Frijlink, Peter M., to U.S. Philips Corporation. Device comprising a flat susceptor rotating parallel to a reference surface about a shift perpendicular to this surface. 4,860,687, 8-29-89, Cl. 118-500.000.

Frijns, Guy: *See—*

- Bentley, James M.; Brown, James P.; Frijns, Guy; and Sparrow, David J., 4,849,460, Cl. 521-163.000.

Frikkee, Arian: *See—*

- Fricke, Herbert; Strate, Klaus; Wilmes, Manfred; and Frikkee, Arian, 4,887,876, Cl. 350-96.200.

Friling, Larry J.: *See—*

- Allington, Robert W.; and Friling, Larry J., 4,809,123, Cl. 361-42.000.

Friman, Erik B.: *See—*

- Sundell, Hans E.; Egeland, Terje; Johnson, Sten E.; and Friman, Erik B., 4,858,118, Cl. 364-243.400.

Frimberger, Eckart, to Erintrud Frimberger. Probe for introduction into the human or animal body, in particular a papillotome. 4,846,175, 7-11-89, Cl. 128-303.150.

Frimmel, James J., Jr., to International Telesystems Corporation. Call management system with protocol converter and port controller. 4,817,130, 3-28-89, Cl. 379-88.000.

Frimmel, James J., Jr.; Ouellette, Thomas; Deglin, Richard N.; and Potter, Lester A., to International Telesystems Corporation. Digital voice recording and reproduction and telephone network signalling using direct storage in RAM of PCM encoded data. 4,829,514, 5-9-89, Cl. 370-58.000.

Frimmel, James J., Jr.; Ouellette, Thomas; and Deglin, Richard N., to International Telesystems Corporation. Alternate memory addressing for information storage and retrieval. 4,875,157, 10-17-89, Cl. 364-200.000.

Frimmel, Maria: *See—*

- Jarrett, Frank A.; and Frimmel, Maria, 4,804,286, Cl. 401-59.000.

Frindel, Sebastien; and Mimeur, Jacques, to Alcatel Cit. Valve for a vacuum enclosure. 4,838,520, 6-13-89, Cl. 251-204.000.

Frindt, Robert F.: *See—*

- Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K. 4,822,590, Cl. 423-561.100.
- Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,853,359, Cl. 502-220.000.

Frings, Adam; and Prange, Wilfried, to Thyssen Stahl AG. Process for the production of a shaped parts from pieces of sheet metal of different thicknesses. 4,827,100, 5-2-89, Cl. 219-121.640.

Frink America, Inc.: *See—*

- Alguire, Robert, 4,842,440, Cl. 404-90.000.
- Verseef, Jan H., 4,837,951, Cl. 37-197.000.

Frink, John G., to Johns Hopkins University, The. Intercomputer communications based on message broadcasting with receiver selection. 4,870,571, 9-26-89, Cl. 364-200.000.

Frink, Tommy S.; Reed, Lowell M.; Cochran, Dwayne V.; and McNair, Will L., to Parker Technology, Inc. Automatic drilling system. 4,875,530, 10-24-89, Cl. 175-27.000.

Frinken, Heinrich: *See—*

- Bohnke, Kurt; Brandis, Helmut; Domalski, Hans-Heinrich; Fleischer, Hans-Joachim; and Frinken, Heinrich, 4,859,649, Cl. 502-439.000.

Priour, Gerard; Herz, Arthur H.; Paris, Christian; and Riveccie, Marcel, to Eastman Kodak Company. Light sensitive emulsion and element containing a cyclic ether compound and process for using same. 4,865,965, 9-12-89, Cl. 430-569.000.

Frisbee, Claude M., to J. I. Case Company. Hose positioning assembly. 4,854,392, 8-8-89, Cl. 172-813.000.

Frisbee, Claude M.: *See—*

- Horsch, Rudolf; and Frisbee, Claude M., 4,828,044, Cl. 172-821.000.
- Horsch, Rudolf; Frisbee, Claude M.; and Werner, Ronald H., 4,828,045, Cl. 172-821.000.

Frisbie, Milo W., to Motorola Inc. Integrated circuit sleeve handler and method. 4,832,174, 5-23-89, Cl. 198-384.000.

Frisby, Raymond A.; and Conover, George E., to Baker Hughes Incorporated. Method and apparatus for towing subsea pipeline sections. 4,887,931, 12-19-89, Cl. 405-171.000.

Frisch, Arnold M., to Tektronix, Inc. Bipolar-CMOS digital interface circuit. 4,833,350, 5-23-89, Cl. 307-475.000.

Frisch, David C.; Manzione, Louis T.; Poelzing, Gerhard W.; and Weber, Wilhelm, to Kollmorgen Technologies Corp., and Bell Telephone Laboratories, Incorporated. Process for producing conductor patterns on three dimensional articles. 4,837,129, 6-6-89, Cl. 430-319.000.

Frisch, Eberhard, to Messerschmitt-Bolkow-Blohm GmbH. Reflector antenna for operation in more than one frequency band. 4,851,858, 7-25-89, Cl. 343-779.000.

Frisch, Eldon E.; Kantrowitz, Adrian; and Freed, Paul S., to L. Vad Technology, Inc. Disposable cell culture chamber with remote access. 4,810,246, 3-7-89, Cl. 604-93.000.

Frisch, Emil: *See—*

- Bauer, Hans-Peter; Bauer, Hans J.; Stadelmann, Ludwig; and Frisch, Emil, 4,796,871, Cl. 267-64.110.

Frisch, Gerhard; and Albrecht, Konrad, to Hoechst Aktiengesellschaft. Herbicidal emulsions. 4,853,026, 8-1-89, Cl. 71-86.000.

Frisch, Gerhard: *See—*

- Albrecht, Konrad; and Frisch, Gerhard, 4,804,399, Cl. 71-93.000.

Frisch, Herbert, to Hoerbiger Ventilwerke Aktiengesellschaft. Two position seat valve. 4,834,141, 5-30-89, Cl. 137-625.660.

Frisch, Rudolf A.; and Zamora, Antonio, to International Business Machines Corporation. Spelling assistance method for compound words. 4,873,634, 10-10-89, Cl. 364-419.000.

Frisch, Sam: *See—*

- Soriente, Alfonse J.; Crosman, Jay C.; Frisch, Sam; and Salem, Eli, 4,863,498, Cl. 55-198.000.

Frische, Richard H.; and Sherrer, Tony L., to Honeywell Inc. Process of bonding plates. 4,848,643, 7-18-89, Cl. 228-121.000.

Frisco, Frank D.; Kadash, Raymond J.; and Silverman, Keith B., to Mobil Oil Corporation. Apparatus for reading height of measurement column. 4,887,903, 12-19-89, Cl. 356-372.000.

Frisco, Jeffrey A.: *See—*

- Heckaman, Douglas E.; Higman, Roger H.; Frisco, Jeffrey A.; and Bajgrowicz, Edward J., 4,851,793, Cl. 333-1.000.

Frisk, Don L., to PZF, Inc. Shoulder harness reel assembly with automatic reel lock. 4,801,105, 1-31-89, Cl. 242-107.40B.

Frisk, Kenneth A. A.; and Kardal, Irving B., to Ford New Holland, Inc. Pull type swather. 4,831,814, 5-23-89, Cl. 56-181.000.

Frison, Emmett C.: *See—*

- Adamski, Donald F.; Frison, Emmett C.; and Matthewson, Randall W., 4,828,450, Cl. 414-607.000.

Frison, Willis C., to Dowell Schlumberger Incorporated. Apparatus and method for treatment of wells. 4,828,033, 5-9-89, Cl. 166-307.000.

Fritch, John R. Landscape edging apparatus and method. 4,831,776, 5-23-89, Cl. 47-33.000.

Friteyre, Marie-Claire: *See—*

- Mazuel, Claude; and Friteyre, Marie-Claire, 4,861,760, Cl. 514-54.000.

Frith, Andrew P.: *See—*

- McHale, Anthony; and Frith, Andrew P., 4,841,933, Cl. 123-419.000.

Frith, Barry; and Olatunbosun, Adeboye, to National Research Development Corporation. Multi-component flow measurement and imaging. 4,868,856, 9-19-89, Cl. 378-86.000.

Frito-Lay, Inc.: *See—*

- Anders, Gary H.; and Moran, James A., Jr., 4,852,441, Cl. 83-155.000.
- Barry, David L.; Dreher, Mark L.; Johnson, Alan A., and Schroeder, Otto E., 4,824,684, Cl. 426-94.000.
- Cogan, Kevin C.; Echols, Robert M.; and Dierl, Tina T., 4,831,922, Cl. 99-486.000.
- Cogan, Kevin C.; and Echols, Robert M., 4,889,241, Cl. 209-552.000.
- Ellis, Eugene B.; Friedemann, Pete D.; and Glass, Richard W., 4,806,377, Cl. 426-549.000.
- Fowler, David P.; Asquino, Daniel A.; and Cantu, Ramon, 4,794,833, Cl. 83-24.000.
- Keller, Lewis C., 4,869,911, Cl. 426-94.000.
- Keller, Lewis C.; and Bowles, Cecil A., 4,880,653, Cl. 426-549.000.
- Miller, L. Michael, 4,889,367, Cl. 283-88.000.
- Pawlak, Janusz Z.; and Kinzbach, Jeffrey, 4,863,750, Cl. 426-438.000.
- Ruegg, Richard J.; Slovak, William R.; and Riboh, Moise, 4,837,382, Cl. 426-503.000.
- Seely, William B., Jr.; and Jackson, Charmaine C., 4,879,122, Cl. 426-102.000.
- Shine, Ward, 4,803,084, Cl. 426-20.000.
- Tang, Jiunn-Yann; Brown, Regina A.; and Ke, Victor H., 4,861,604, Cl. 426-94.000.

Ward, Wendell; Kumar, Surinder; Mack, Melba; Keller, Lewis; and Fitzwater, Margaret, 4,808,422, Cl. 426-143.000.

Fritsch, Charles A.: *See—*

Ben-Arieh, David; Fritsch, Charles A.; Mandel, Kostia; Starzinski, Albert F.; and Venugopal, Raghunath, 4,807,108, Cl. 364-148.000.

Fritsch, Edgar; and Fritsch, Norbert, to Robert Fritsch S.A. Cooking apparatus for communities. 4,803,919, 2-14-89, Cl. 99-340.000.

Fritsch, Edward F.: *See—*

Collins, Mary; Dougherty, Joseph P.; Ellwood, Marian S.; Fritsch, Edward F.; and Jacobs, Kenneth A., 4,818,680, Cl. 435-6.000.

Taeusch, H. William; Jacobs, Kenneth A.; Steinbrink, D. Randall; Floros, Joanna; Phelps, David S.; and Fritsch, Edward F., 4,882,422, Cl. 530-350.000.

Fritsch, Georges, to Ameg France; and Ceca S.A. Process and equipment for the treatment and recovery of solvent vapors by recycling on active charcoal. 4,859,216, 8-22-89, Cl. 55-28.000.

Fritsch, Horst, to Lewa Herbert Ott GmbH & Co. Hydraulically actuated stroke adjusting device. 4,811,624, 3-14-89, Cl. 74-571.00L.

Fritsch, Horst; and Jarosch, Josef, to Lewa Herbert Ott GmbH & Co. Method and arrangement for starting an hydraulic diaphragm pump against load. 4,865,528, 9-12-89, Cl. 417-388.000.

Fritsch, Joseph F.; Fritsch, Roxanne Y.; and Malgat, Francois, to Fritsch, Joseph F.; and Fritsch, Roxanne Y. Demagnetizing device having an oscillating permanent magnet. 4,851,945, 7-25-89, Cl. 360-128.000.

Fritsch, Joseph F.; and McDonnell, Alexander, to Fritsch, Joseph F.; and Fritsch, Roxanne Y. Cleaning device for disc drive unit. 4,868,700, 9-19-89, Cl. 360-128.000.

Fritsch, Karl H.; and Bier, Peter, to Bayer Aktiengesellschaft. Process for the production of polyamide mouldings. 4,859,390, 8-22-89, Cl. 264-143.000.

Fritsch, Norbert: *See—*

Fritsch, Edgar; and Fritsch, Norbert, 4,803,919, Cl. 99-340.000.

Fritsch, Robert E., to Fototechniek Elite B.V. Printer for three dimensional lenticular print material. 4,814,826, 3-21-89, Cl. 355-22.000.

Fritsch, Ronald J., to Eaton Corporation. Low-friction drive link for auxiliary handle operation to molded case circuit breaker connection. 4,873,404, 10-10-89, Cl. 200-332.000.

Fritsch, Roxanne Y.: *See—*

Fritsch, Joseph F.; Fritsch, Roxanne Y.; and Malgat, Francois, 4,851,945, Cl. 360-128.000.

Fritsch, Joseph F.; and McDonnell, Alexander, 4,868,700, Cl. 360-128.000.

Fritsch, Rudy. Metal shearing machine. 4,811,640, 3-14-89, Cl. 83-13.000.

Fritsch, Thomas R.: *See—*

Cottrell, Paul R.; Fritsch, Thomas R.; and Gosling, Christopher D., 4,861,930, Cl. 585-317.000.

Fritsche-Lang, Wolfram: *See—*

Thiem, Joachim; Deger, Hans-Matthias; Fritsche-Lang, Wolfram; and Kreuzer, Matthias, 4,803,263, Cl. 536-18.600.

Fritsche-Mollmann GmbH & Co.: *See—*

Onnenberg, Volker; and Mollmann, Gunter, 4,875,843, Cl. 425-4.00R.

Fritschi, Edgar: *See—*

Satzinger, Gerhard; Herrmann, Manfred; Fritschi, Edgar; and Weiershausen, Ute, 4,816,485, Cl. 514-619.000.

Satzinger, Gerhard; Hermann, Manfred; Fritschi, Edgar; and Weiershausen, Ute, 4,857,662, Cl. 564-168.000.

Fritts, David H.: *See—*

Fennell, Robert B.; Fritts, David H.; and LeGasse, David S., 4,872,847, Cl. 439-133.000.

Fritts, Rex E.: *See—*

Robeson, John D.; Carlson, Roger W.; and Fritts, Rex E., 4,831,226, Cl. 219-10.55B.

Fritz, Alan J., to Magnetics North, Inc. Magnetic separator. 4,874,508, 10-17-89, Cl. 209-214.000.

Fritz Barthelmes KG: *See—*

Sindel, Gerhard, 4,850,328, Cl. 124-67.000.

Fritz Bauer and Sohne oHG: *See—*

Bauer, Hans J.; Bauer, Hans-Peter; and Stadelmann, Ludwig, 4,881,723, Cl. 267-64.120.

Bauer, Hans-Peter; Bauer, Hans J.; Stadelmann, Ludwig; and Frisch, Emil, 4,796,871, Cl. 267-64.110.

Bauer, Hans-Peter; Bauer, Hans J.; and Gebhardt, Adolf, 4,844,392, Cl. 248-162.100.

Bauer, Hans-Peter; and Bauer, Hans J., 4,852,862, Cl. 267-120.000.

Bauer, Hans-Peter; and Bauer, Hans J., 4,877,115, Cl. 188-322.150.

Fritz, Bernard S.: *See—*

Torok, Ernest J.; Krawczak, John A.; Fritz, Bernard S.; and Harvey, William A., 4,838,637, Cl. 350-96.180.

Wilson, Mark L.; and Fritz, Bernard S., 4,799,210, Cl. 369-110.000.

Fritz, Billy T.: *See—*

Hettinger, William P., Jr.; Murray, Steven W.; Adkins, Ricky L.; Fritz, Billy T.; Riggs, James R.; and Walters, Paul W., 4,869,880, Cl. 422-147.000.

Fritz, Christoph: *See—*

Dodmann, Gerd; Kroggel, Otto; Fey, Jochen; Kopp, Harald; and Fritz, Christoph, 4,837,509, Cl. 324-207.000.

Fritz Eichenauer GmbH & Co. KG: *See—*

Ohnmacht, Helmut, 4,845,345, Cl. 219-546.000.

Fritz, Ernst: *See—*

Brotzmann, Karl; and Fritz, Ernst, 4,827,486, Cl. 373-2.000.

Fritz Fuss KG: *See—*

Fuss, Fritz H., 4,815,776, Cl. 292-341.160.

Fuss, Fritz H., 4,838,591, Cl. 292-341.160.

Fritz Gegauf Aktiengesellschaft Bernina-Nahmaschinenfabrik: *See—*

Gaeumann, Alfred; Hangarter, Otto; and Stillhard, Otmar, 4,817,547, Cl. 112-457.000.

Haselberger, Franz; and Vogel, Peter, 4,883,009, Cl. 112-266.100.

Wacker, Niklaus; and Moser, Hermann, 4,813,363, Cl. 112-242.000.

Fritz, Hans; Dodt, Johannes; Seemuller, Ursula; and Fink, Ernst, to Ciba-Geigy Corporation. Method of inhibiting blood clotting with desulfatohirudins. 4,801,576, 1-31-89, Cl. 514-12.000.

Fritz, Ian J.: *See—*

Chaffin, Roger J., deceased; Dawson, Ralph; Fritz, Ian J.; Osbourn, Gordon C.; and Zipperian, Thomas E., 4,797,716, Cl. 357-22.000.

Fritz, Karl, deceased (by Schmidt-Hofmer, Michael, administrator), to Snowdrift Corporation N.V. System for heating objects with microwaves. 4,866,233, 9-12-89, Cl. 219-10.55A.

Fritz, Manfred: *See—*

Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, 4,831,854, Cl. 72-8.000.

Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, 4,862,570, Cl. 29-81.00A.

Fritz, Marlene M.; Love, Betty J.; Sweeney, Mary D.; and Davis, Chuck, to Proto Quick, Inc. Audio-visual alarm system with address display. 4,855,723, 8-8-89, Cl. 340-691.000.

Fritz, Peter J.; and Nnebedum, Joseph C., to Minnesota Mining and Manufacturing Company. Glass polishing article. 4,842,619, 6-27-89, Cl. 51-295.000.

Fritz Schafer Gesellschaft mit beschrankter Haftung: *See—*

Schafer, Gerhard, 4,832,209, Cl. 211-153.000.

Schafer, Gerhard, 4,848,578, Cl. 206-506.000.

Fritz, Siegenthaler, to Auteica AG. Testing device for coins of different dimensions and different electro-magnetic properties. 4,815,579, 3-28-89, Cl. 194-318.000.

Fritz, Terry. Gas pump lever holding device. 4,874,151, 10-17-89, Cl. 251-90.000.

Fritz, William B., to AMP Incorporated. Strain relief for flat cable termination. 4,859,205, 8-22-89, Cl. 439-492.000.

Fritz, William E. Hopper car discharge gate. 4,867,615, 9-19-89, Cl. 406-128.000.

Fritz, Wolfgang: *See—*

Bayer, Robert; Boettger, Guenter; Hiller, Rainer; Huber, Michael; Koernig, Wolfgang; and Fritz, Wolfgang, 4,820,532, Cl. 426-74.000.

Fritzberg, Alan R.: *See—*

Wilbur, Daniel S.; Fritzberg, Alan R.; and Jones, David S., 4,885,153, Cl. 424-1.100.

Fritzel, Bradley G., to Hughes Aircraft Company. Stabilized pointing mirror. 4,883,347, 11-28-89, Cl. 350-500.000.

Fritzman, Steven F. Two and three-dimensional square array, in-line array, and grid type game or puzzle. 4,867,455, 9-19-89, Cl. 273-156.000.

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Fritzsche Dodge & Olcott Inc.: *See—*

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Fritzsche, Harold L., to General Electric Company. Core sizing apparatus. 4,794,778, 1-3-89, Cl. 72-354.000.

Fritzsche, Harold L., to General Electric Company. Apparatus and method for continuously forming edgewise wound cores. 4,796,451, 1-10-89, Cl. 72-131.000.

Fritzsche, Harold L., to General Electric Company. Lanced strip and edgewise wound core. 4,816,711, 3-28-89, Cl. 310-216.000.

Fritzsche, Peter: *See—*

Staheli, Paul; Demuth, Robert; and Fritzsche, Peter, 4,854,011, Cl. 19-105.000.

Staheli, Paul; Demuth, Robert; and Fritzsche, Peter, 4,860,406, Cl. 19-105.000.

Froberg, Magnus L., to Owens-Corning Fiberglas Corporation. Melting furnace. 4,796,276, 1-3-89, Cl. 373-30.000.

Froberg, Robert W.; Pratt, Thomas E.; Grider, Bruce A.; and Miller, Otto C., to Parker-Hannifin Corporation. Brake system with improved brake material. 4,815,572, 3-28-89, Cl. 188-251.00M.

Frochte, Bernd: *See—*

Poerschke, Karl; Stark, Klaus; and Frochte, Bernd, 4,862,134, Cl. 337-231.000.

Froebe, Ronald L.; Duarte, Jesus; and Bailey, Richard L., to Bourns Inc. Spiral wire contact assembly for variable resistor. 4,810,994, 3-7-89, Cl. 338-202.000.

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Bosze, Wayne P.; Froebe, Ronald L.; McClure, Gordon; Thomas, Ronald E., Jr.; and Weingartner, Philip F., 4,824,694, Cl. 427-102.000.

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Froehlich, Birgit: *See—*

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Froehlich, Peter, to Hilti Aktiengesellschaft. Expansion dowel with limited expansion. 4,869,631, 9-26-89, Cl. 411-55.000.

Froelich, Harold E.; and Foslien, Floyd L., to Minnesota Mining and Manufacturing Company. Bent back box staple and staple closing mechanism with split actuator. 4,874,122, 10-17-89, Cl. 227-19.000.

Froelich, Ronald W. Computerized data-bearing card and reader/-writer therefor. 4,829,166, 5-9-89, Cl. 235-379.000.

Froes, Francis H.; and Eylon, Daniel, to United States of America, Air Force. Method for refining microstructures of blended elemental titanium powder compacts. 4,808,250, 2-28-89, Cl. 148-20.300.

Froes, Francis H.; and Eylon, Daniel, to United States of America, Air Force. Method to produce titanium alloy articles with high fatigue and fracture resistance. 4,828,793, 5-9-89, Cl. 419-6.000.

Froes, Francis H.; and Eylon, Daniel, to United States of America, Air Force. Method to produce dispersion strengthened titanium alloy articles with high creep resistance. 4,851,053, 7-25-89, Cl. 148-11.50F.

Froes, Francis H.: *See—*

Eylon, Daniel; and Froes, Francis H., 4,807,798, Cl. 228-190.000.

Eylon, Daniel; and Froes, Francis H., 4,808,249, Cl. 148-133.000.

Eylon, Daniel; and Froes, Francis H., 4,809,903, Cl. 228-194.000.

Eylon, Daniel; Froes, Francis H.; and Yolton, Charles F., 4,820,360, Cl. 148-133.000.

Eylon, Daniel; and Froes, Francis H., 4,822,432, Cl. 148-127.000.

Eylon, Daniel; and Froes, Francis H., 4,832,760, Cl. 148-20.300.

Eylon, Daniel; and Froes, Francis H., 4,851,055, Cl. 148-20.300.

Eylon, Daniel; Froes, Francis H.; and Yolton, Charles F., 4,872,927, Cl. 148-20.300.

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Veitenhansl, Rudolf; Froeschke, Wolfgang; Waltenberger, Peter; and Uphues, Guenter, 4,865,768, Cl. 260-403.000.

Froese, Richard J.; Leonhardt, Mark A.; and Roy, Michael J., to R. A. Jones & Co. Inc. Pouch filling apparatus having duck bill spout. 4,848,421, 7-18-89, Cl. 141-114.000.

Frogbrook, Kenneth H. L.; and Meek, Nigel W., to Frogbrook, Kenneth H. L. Baling machines and baled products. 4,838,016, 6-13-89, Cl. 56-341.000.

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Chevallier, Marc; and Froger, Guy, 4,877,272, Cl. 285-111.000.

Froggatt, Robert J.: *See—*

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Frohardt, Allen; Dahlquist, John A.; and Howarth, John J., to Measurex Corporation. Gloss gauge. 4,830,504, 5-16-89, Cl. 356-448.000.

Frohardt, Melvin W.; Hartz, Keith H.; and Hardee, Patrick C., deceased (by Hardee, Judy D., executrix), to Martin Marietta Corporation. Solar energy tracking structure incorporating wind spoilers. 4,887,589, 12-19-89, Cl. 126-418.000.

Frohberger, Paul-Ernst: *See—*

Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Paul, Volker, 4,797,499, Cl. 549-559.000.

Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Lurssen, Klaus, 4,868,196, Cl. 514-383.000.

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Frohlich, Alfons, to Opti- Patent, Forschungs-Und Fabrikations-AG. Method of producing a slide-fastener stringer on a needle loom. 4,836,251, 6-6-89, Cl. 139-116.000.

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Gladenbeck, Jurgen; and Frohlich, Gunter, 4,863,234, Cl. 350-96.210.

Frohlich, Helmut H., to Du Pont de Nemours, E. I., and Company. Process for the production of multicolor proofs using precolored toning films. 4,806,451, 2-21-89, Cl. 430-291.000.

Frohlich, Herbert, to Dyckerhoff & Widmann Aktiengesellschaft. Pressure-tight pipe connection for a driven pipeline. 4,801,222, 1-31-89, Cl. 405-184.000.

Frohlich, Walter: *See—*

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Felix, Bernd; Frohlich, Walter; and Katzenberger, Heiner, 4,851,597, Cl. 570-227.000.

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Frohn, Gunter. Method and apparatus for surface grinding of small diameter long bore holes. 4,831,783, 5-23-89, Cl. 51-50.00R.

Frohnhaus, Ernst-Reiner: *See—*

Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Gedig, Alfred; Klink, Josef; and Koucky, Antonin, 4,805,481, Cl. 74-528.000.

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Pitsch, Franz F.; Winkelmann, Hans E.; Frohnheiser, Helmut W.; and Herbert, Guenther, 4,819,541, Cl. 91-6.000.

Froidh, Arne; and Persson, Lennart, to Molnlycke AB. Method of folding into packages disposable absorbent articles, e.g. diapers, in connection with the production thereof. 4,802,884, 2-7-89, Cl. 493-339.000.

Froix, Michael. Clouding-resistant contact lens compositions. 4,871,785, 10-3-89, Cl. 523-106.000.

Froix, Michael F.: *See—*

Dubrow, Robert S.; and Froix, Michael F., 4,859,715, Cl. 521-180.000.

Mercer, Frank W.; Froix, Michael F.; and Cheng, Tai C., 4,879,338, Cl. 524-508.000.

Frolov, George, to Emhart Industries, Inc. Card reader. 4,839,508, 6-13-89, Cl. 235-477.000.

Frolov, George, to Emhart Industries Inc. Locking mechanism for multifunctional electronic lock. 4,843,851, 7-4-89, Cl. 70-277.000.

Frolov, George, to Harrow Products, Inc. Support for electromagnetic shear lock armature. 4,861,080, 8-29-89, Cl. 292-251.500.

Fromageries Bel: *See—*

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Fromageries Bresse-Bleu: *See—*

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Froment, Francis, to Equipements Electriques Moteur. Double casing for electric rotating machine stator. 4,837,468, 6-6-89, Cl. 310-42.000.

Froment, Francis, to Societe Equipements Electriques Moteur. Starter drive assemblies for internal combustion engines of the type having an overrunning clutch. 4,883,152, 11-28-89, Cl. 192-42.000.

Froment, Jean-Paul; and Palau, Joseph, to S.A. des Etablissements Staubli. Device for coupling heddle frames to the transmission elements of a mechanism for forming the shed. 4,877,060, 10-31-89, Cl. 139-82.000.

Froment, Jean-Paul: *See—*

Palau, Joseph; Pages, Jean-Pierre; and Froment, Jean-Paul, 4,832,087, Cl. 139-71.000.

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Fromentin, Jean: *See—*

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Fromm, Hans-Jurgen: *See—*

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Frommann, Klaus: *See—*

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Frommelt, Heinrich: *See—*

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Frommelt, John A.; and Frommelt, Robert J., 4,825,607, Cl. 52-173.0DS.

Frommelt, John A.; and Lenz, Kenneth, 4,873,800, Cl. 52-173.0DS.

Kraus, Thomas J., 4,887,660, Cl. 160-265.000.

Lenz, Kenneth, 4,885,881, Cl. 52-173.0DS.

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West, Floyd D., 4,887,659, Cl. 160-199.000.

Frommelt, John A.; and Lenz, Kenneth, to Frommelt Industries, Inc. Wedge seal for loading dock shelter. 4,799,341, 1-24-89, Cl. 52-173.0DS.

Frommelt, John A.; and West, Floyd D., to Frommelt Industries, Inc. Hook seal for loading dock shelter. 4,805,362, 2-21-89, Cl. 52-173.0DS.

Frommelt, John A.; and Frommelt, Robert J., to Frommelt Industries, Inc. Molded modular dock shelter. 4,825,607, 5-2-89, Cl. 52-173.0DS.

Frommelt, John A.; and Lenz, Kenneth, to Frommelt Industries, Inc. Loading dock seal. 4,873,800, 10-17-89, Cl. 52-173.0DS.

Frommelt, Robert J.: *See—*

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Frommelt, Wolfgang: *See—*

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Fromson, Howard A.; and Gracia, Robert F. Process and apparatus for anodizing aluminum. 4,865,699, 9-12-89, Cl. 204-28.000.

Froncisz, Wojciech: *See—*

Hyde, James S.; Froncisz, Wojciech; Jesmanowicz, Andrzej; and Kneeland, J. Bruce, 4,866,387, Cl. 324-318.000.

Fronheiser, Dennis R., to Eastman Kodak Company. Coating process. 4,835,021, 5-30-89, Cl. 427-393.500.

Fronheiser, Dennis R.; Hayward, Jack; Reafler, Gerald G.; and Schuler, James R., to Eastman Kodak Company. Drying process. 4,872,270, 10-10-89, Cl. 34-23.000.

Froning, Robert L.: *See—*

Benge, S. Eugene; and Froning, Robert L., 4,843,404, Cl. 343-895.000.

Benge, S. Eugene; and Froning, Robert L., 4,846,922, Cl. 156-324.000.

Frontend International Technologies, Inc.: *See—*

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Frosch, Hans-Georg; Grave, Heinrich; Stutz, Herbert; Waldau, Eckart; and Fuhrmann, Peter, to Bayer Aktiengesellschaft. Process for the preparation of (cyclo)aliphatic diisocyanates. 4,847,408, 7-11-89, Cl. 560-347.000.

Frosch, Werner; and Dudek, Wolfram, to Hollingsworth GmbH. Universal textile machine for optionally manufacturing longitudinally and/or randomly oriented fiber fleece. 4,858,276, 8-22-89, Cl. 19-98.000.

Frosch, Werner: *See*—
  Pinto, Akiva; Lucassen, Guenther; and Frosch, Werner, 4,843,684, Cl. 19-65.00A.

Frosien, Juergen; and Feuerbaum, Hans-Peter, to Siemens Aktiengesellschaft. Detector objective for particle beam apparatus. 4,831,266, 5-16-89, Cl. 250-347.000.

Frosien, Juergen: *See*—
  Feuerbaum, Hans-Peter; and Frosien, Juergen, 4,808,821, Cl. 250-305.000.
  Feuerbaum, Hans-Peter; and Frosien, Juergen, 4,812,651, Cl. 250-310.000.

Frossard, Philippe M., to Biotechnology Research Partners, Ltd. Apo AI/CIII genomic polymorphisms predictive of atherosclerosis. 4,801,531, 1-31-89, Cl. 435-6.000.

Frossard, Philippe M., to Biotechnology Research Partners, Ltd. Restriction fragment analysis of individuals using cardiovascular system probes. 4,861,708, 8-29-89, Cl. 435-6.000.

Frost, Cynthia M.: *See*—
  Vigo, Tyrone L.; Frost, Cynthia M.; Bruno, Joseph S.; and Danna, Gary F., 4,851,291, Cl. 428-393.000.
  Vigo, Tyrone L.; and Frost, Cynthia M., 4,871,615, Cl. 428-398.000.

Frost, David G.: *See*—
  Jalan, Vinod; and Frost, David G., 4,795,684, Cl. 429-44.000.

Frost, Edwin A. Drawbar. 4,844,495, 7-4-89, Cl. 280-411.100.

Frost Engineering Development Corporation: *See*—
  Varner, Horace M.; and Stech, Ernest L., 4,883,146, Cl. 182-5.000.

Frost, George E. Structure for spatial attitude stabilization of camera. 4,870,440, 9-26-89, Cl. 354-293.000.

Frost Inc.: *See*—
  Sytsma, Frederick R., 4,863,293, Cl. 384-482.000.

Frost, J. Eric: *See*—
  Goggans, Gary L.; Everhart, Cherie H.; Chester, Stephen O.; Frost, J. Eric; and Ozbirn, Monica V., 4,801,482, Cl. 428-68.000.

Frost, Johnathan E.; Hsu, Eric T.; Jackson, David M.; Olsen, Thomas G.; and Popp, Robert L., to Kimberly-Clark Corporation. Method of attaching a composite elastic material to an article. 4,883,549, 11-28-89, Cl. 156-161.000.

Frost, Keith A.; Harns, Timothy; and Simmons, Ronald D., to Pacific Western Systems, Inc. Interface system for interfacing a device tester to a device under test. 4,795,977, 1-3-89, Cl. 324-158.00F.

Frost, Peter L. J.; Freeman, Robert A.; Warren, John A.; and Keeble, Peter J., to British Telecommunications Public Limited Company. Control method and apparatus. 4,856,760, 8-15-89, Cl. 254-134.400.

Frost, Peter W.: *See*—
  Egerton, Terence A.; Lawson, Edmund J.; and Frost, Peter W., 4,820,593, Cl. 428-698.000.

Frost, Phillip, to Baker Cummins Pharmaceuticals, Inc. Method of treatment for allergic rhinitis. 4,880,813, 11-14-89, Cl. 514-282.000.

Frost, Robert T.: *See*—
  Peterson, Jeffrey N.; and Frost, Robert T., 4,865,116, Cl. 164-466.000.

Frost, Rodney I., to Corning Incorporated. Mini-monolith substrate. 4,877,766, 10-31-89, Cl. 502-439.000.

Frost, Stanley A. Hydraulic seal. 4,889,351, 12-26-89, Cl. 277-165.000.

Frost, Terry; Smith, Terry B.; and Vensel, Charles D., to ASC Machine Tools, Inc. Slip sheet removal apparatus. 4,889,463, 12-26-89, Cl. 414-416.000.

Frost, Walter, to FWG Associates, Inc. Atmospheric controlled video simulation system. 4,817,039, 3-28-89, Cl. 364-420.000.

Frostl, Wolfgang: *See*—
  von Sprecher, Georg; Frostl, Wolfgang; and Zust, Armin, 4,833,169, Cl. 514-530.000.

Frotscher, Guenter: *See*—
  Feustel, Mattias; Frotscher, Guenter; Nitschke, Wieland; Obenauf, Dieter; Saupe, Juergen; and Weidelt, Manfred, 4,840,202, Cl. 139-425.00R.

Frotschner, Eberhard; Merkle, Hans; and Worner, Otto, to Daimler-Benz Aktiengesellschaft. Method of making an external shell of a pump wheel of a hydrodynamic flow unit. 4,825,521, 5-2-89, Cl. 29-156.40R.

Froutzis, Andrew. Sliding drapery hanger. 4,827,565, 5-9-89, Cl. 16-87.40R.

Froyer, Gerard: *See*—
  Maurice, Francois; Froyer, Gerard; Pelous, Yvan; Petit, Michel; and Fauvarque, Jean-Francois, 4,863,574, Cl. 204-59.00R.

Fruchey, Olan S., to Hoechst Celanese Corporation. Process to prevent formation of chlorinated by-products in APAP production. 4,855,499, 8-8-89, Cl. 564-223.000.

Fruda, Thomas R.: *See*—
  Adams, Lawrence J.; Fruda, Thomas R.; and Hughett, Paul D., 4,807,578, Cl. 123-198.00A.

Frueh, Peter, to Mettler Instrumente AG. Method and apparatus for titrimetric content determination in a chemical solution. 4,859,608, 8-22-89, Cl. 436-163.000.

Frueh, Walter; and Schnorrenberg, Hans-Juergen, to Siemens Aktiengesellschaft. Method and apparatus for the fine adjustment of an object on a sub-surface of a plane. 4,833,590, 5-23-89, Cl. 364-167.010.

Fruengel, Frank, to Impulsphysik GmbH. Arrangement for in situ determination of quantity of turbid matter aerosol and/or dust in fluid which flows through a space. 4,839,529, 6-13-89, Cl. 250-574.000.

Fruge, Cornelius J.: *See*—
  Blanchard, Hubert J.; and Fruge, Cornelius J., 4,866,321, Cl. 310-112.000.

Fruge, Daniel R.; and Sysak, Peter K., to Du Pont de Nemours, E. I. and Company. Powdered packaged developer. 4,816,384, 3-28-89, Cl. 430-465.000.

Fruge, Tave: *See*—
  Bernett, Frank; and Fruge, Tave, 4,821,130, Cl. 360-78.040.

Fruh, Hans R.; and Tanner, Martin, to SIG Schweizerische Industrie-Gesellschaft. Method and apparatus for switching on and off a packing machine. 4,809,481, 3-7-89, Cl. 53-55.000.

Fruhauf, Serge; and Marquot, Alexis, to Thomson Semiconducteurs. Electrically programmable non-volatile memory having sequentially deactivated write circuits. 4,860,258, 8-22-89, Cl. 365-194.000.

Fruhauf, Serge: *See*—
  de Ferron, Gerard S.; and Fruhauf, Serge, 4,835,423, Cl. 307-584.000.
  Lisimaque, Gilles; and Fruhauf, Serge, 4,813,024, Cl. 365-228.000.
  Marquot, Alexis; and Fruhauf, Serge, 4,827,451, Cl. 365-189.010.

Fruit, Jerry L., to Mensor Corporation. Flow control valve. 4,850,391, 7-25-89, Cl. 137-505.250.

Fruit, Richard E.; and Willingham, Lee B. Drive chain cleaning apparatus. 4,827,555, 5-9-89, Cl. 15-160.000.

Fruit Source Associates: *See*—
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Frukawa, Satoshi: *See*—
  Suzuki, Makoto; and Frukawa, Satoshi, 4,841,311, Cl. 346-108.000.

Frulla, Claudio: *See*—
  Baranzelli, Cesare; Frulla, Claudio; and Gattolin, Dario, 4,838,561, Cl. 279-1.0DA.

Frund, Zane N., Jr.: *See*—
  Freund, Paul X.; and Frund, Zane N., Jr., 4,816,330, Cl. 428-286.000.

Frushour, Robert H., to General Electric Company. Polycrystalline abrasive grit. 4,828,582, 5-9-89, Cl. 51-293.000.

Frushour, Robert H. Composite abrasive compact having high thermal stability and transverse rupture strength. 4,871,377, 10-3-89, Cl. 51-309.000.

Frutin, Bernard D., to Rocep Lusol Holdings Limited. Aerosol valve actuator. 4,826,054, 5-2-89, Cl. 222-402.110.

Fruzzetti, Bradley E.; and Jack, Micheal. Surfboard tether. 4,820,22 4-11-89, Cl. 441-74.000.

Fry, Arthur C.: *See*—
  Browning, Nigel; Fry, Arthur C.; Malpass, Robert L. H.; Mathews, Brian; and Peters, Michaels S., 4,875,646, Cl. 244-190.000.
  Browning, Nigel; Fry, Arthur C.; Malpass, Robert L. H.; Mathews, Brian; and Peters, Michael S., 4,887,781, Cl. 244-190.000.

Fry, David M.; and Fry, Sharon A., to University of Virginia Alumni Patents Foundation, The. Micro slide irrigating unit. 4,852,59 8-1-89, Cl. 134-182.000.

Fry, Emanuel D., to Tecumseh Products Company. Compressor including protective cap for hermetic terminal. 4,840,547, 6-20-89, Cl. 417-422.000.

Fry, Emanuel D.; and Gannaway, Edwin L., to Tecumseh Products Company. Hermetic compressor mounting pin. 4,846,635, 7-11-89, Cl. 417-410.000.

Fry, Francis J.; and Burney, Bryan T., to Indianapolis Center For Advanced Research, Inc. Ultrasound contrast media for medically implantable and insertable devices. 4,805,628, 2-21-89, Cl. 128-662.020.

Fry, Francis J., to Indianapolis Center for Advanced Research. Non-invasive tissue thermometry system and method. 4,807,633, 2-28-89, Cl. 128-660.020.

Fry, Francis J.; and Sanghvi, Narendra T., to Laboratory Equipment Corp. Localization and therapy system for treatment of spatially oriented focal disease. 4,858,613, 8-22-89, Cl. 128-660.030.

Fry, Jeremy J. Wheelchair steering. 4,852,679, 8-1-89, Cl. 180-234.000.

Fry, John J., to Babcock & Wilcox Company, The. Analog to digital conversion. 4,812,848, 3-14-89, Cl. 341-157.000.

Fry, John J.; and Smith, Robert A., to Babcock & Wilcox Company, The. Apparatus for measuring differential impedances. 4,837,5 6-6-89, Cl. 324-62.000.

Fry, John J.; Robertson, John W., Jr.; and Bastijanic, Edward, to Babcock & Wilcox Company, The. Current fault detection system and method for AC controller. 4,875,000, 10-17-89, Cl. 318-798.000.

Fry, John J.; Hall, George, II; and Smith, Robert A., to Gas Research Institute. Diagnostic system for combustion controller. 4,885,57 12-5-89, Cl. 340-519.000.

Fry, Michael L. Pillow/audio system combination. 4,862,438, 8-29-89, Cl. 369-19.000.

Fry Reglet Corporation: *See*—
  Tupman, Thomas G., 4,825,612, Cl. 52-371.000.

Fry, Robert J.: *See*—
  Greeves, Godfrey; and Fry, Robert J., 4,872,614, Cl. 239-533.90

Fry, Rupert J., Jr.; and Silbernagel, Raymond A., to Molex Incorporated. Integrally molded environmentally protected strain relief backshell. 4,842,550, 6-27-89, Cl. 439-471.000.

Fry, Sharon A.: *See*—
  Fry, David M.; and Fry, Sharon A., 4,852,596, Cl. 134-182.000.

Fry, Stanley E. Apparatus for selectively varying air resistance on a land transport vehicle to optimize reduction of drag. 4,824,16 4-25-89, Cl. 296-180.300.

Fry, Steven A.; and Stafford, Rodney L. Tensioned bed. 4,807,3 2-28-89, Cl. 5-118.000.

Fryburg, George A.: *See*—
  Makar, Francis B., Jr.; and Fryburg, George A., 4,803,40 C 313-624.000.

  Rhodes, William H.; Wei, George C.; and Fryburg, George A., 4,797,238, Cl. 264-65.000.

Fryda, Lawrence J.; and Foster, John W., to Illinois State University. Groundwater pressure measurement. 4,807,201, 2-21-89, Cl. 367-99.000.

Frydrych, Colin H.: *See*—
  Southgate, Robert; and Frydrych, Colin H., 4,820,701, Cl. 514-194.000.

Frye, Dale J.; Kindig, Alan L.; Lindberg, Kenneth M.; and Stander, Robert J., to Prince Corporation. Armrest torque control. 4,882,807, 11-28-89, Cl. 16-225.000.

Frye, David R.: *See*—
  Warder, William G.; and Frye, David R., 4,872,563, Cl. 206-634.000.

Frye, Diane R.: *See*—
  Green, Carl C., Jr.; Welch, John D.; Hauser, Henry A.; and Frye, Diane R., 4,862,905, Cl. 131-84.100.

Frye, Donald R.: *See*—
  Cochran, Ken C.; and Frye, Donald R., 4,805,917, Cl. 273-397.000.

Frye, Lester C.: *See*—
  Bucher, George D.; DiGrande, John T.; Frye, Lester C.; and Stoutamire, Mark S., 4,830,565, Cl. 414-416.000.

Frye, Ricky J., to MIM Industries, Inc. Work holder for sewing machines. 4,870,917, 10-3-89, Cl. 112-121.120.

Fryer, Glenn E. Tunnel measuring apparatus and method. 4,888,720, 12-19-89, Cl. 364-506.000.

Fryfogle, David. Drywall bead spreader. 4,848,126, 7-18-89, Cl. 72-176.000.

Frykhult, Rune H., to Celleco AB. Rotatable filter assembly and method of operating same. 4,814,093, 3-21-89, Cl. 210-780.000.

FRYMA-Maschinenbau GmbH: *See*—
  Buehler, Gerhard, 4,824,033, Cl. 241-66.000.

Frymaster Corporation, The: *See*—
  Brewer, Edward L., 4,848,318, Cl. 126-390.000.
  Waugh, Gerald; Myers, Charley; Davis, John; and Sullivan, John, 4,858,119, Cl. 364-400.000.

Fry's Metals Limited: *See*—
  Lambert, Derek; and Crowe, David, 4,865,071, Cl. 137-312.000.

Fryszczyn, Bogdan: *See*—
  Eager, George S., Jr.; Fryszczyn, Bogdan; and Thalmann, Ernest H., 4,888,886, Cl. 34-104.000.

FSI Corporation: *See*—
  Burkman, Don C.; Schumacher, David D.; and Peterson, Charlie A., 4,801,335, Cl. 134-25.400.
  Jenson, William M.; and Grant, Robert W., 4,815,630, Cl. 220-378.000.
  Mehta, Jitesh R.; Burkman, Don C.; and Mezaki, Cooky, 4,816,081, Cl. 134-30.000.

FSI International, Inc.: *See*—
  Grant, Robert W.; and Mackedanz, Bruce T., 4,848,400, Cl. 137-580.000.
  Grant, Robert W.; and Jenson, William M., 4,874,014, Cl. 137-606.000.
  Syverson, Daniel J., 4,857,142, Cl. 156-646.000.

FTS Systems, Inc.: *See*—
  Thompson, Taylor N., Sr., 4,823,478, Cl. 34-5.000.

FTZ Industries, Inc.: *See*—
  Nilsson, Carl R., 4,828,511, Cl. 439-395.000.

Fu, Cheun-Yuan, to Tatung Company of America. Ventilated, no-drip, housing for electrical apparatus. 4,880,594, 11-14-89, Cl. 361-383.000.

Fu, Chia M., to Phillips Petroleum Company. Reactivation of spent catalytic cracking catalyst. 4,814,066, 3-21-89, Cl. 208-120.000.

Fu, Chuen-Fong. Kitchen smoke exhaust device. 4,858,591, 8-22-89, Cl. 126-299.00D.

Fu, Daivey; and Tsai, Yung-Lang, to Tsai, Yung-Lang. Tape dispenser. 4,826,557, 5-2-89, Cl. 156-579.000.

Fu, Josepha M.: *See*—
  Fong, Dodd W.; and Fu, Josepha M., 4,886,872, Cl. 525-329.400.
  Sparapany, John W.; Fong, Dodd W.; and Fu, Josepha M., 4,868,248, Cl. 525-380.000.

Fu, Peter L.; and Lenoski, Daniel E., to Tandem Computers Incorporated. Cross-coupled checking circuit. 4,843,608, 6-27-89, Cl. 371-68.000.

Fu, Ping W.; and Manning, Thomas J., to Buddy Systems, Inc. Personal health monitor. 4,803,625, 2-7-89, Cl. 364-413.030.

Fu, Shih-Lien: *See*—
  Peng, Yu-Yin; and Fu, Shih-Lien, 4,852,854, Cl. 251-129.170.

Fu, Sing: *See*—
  Guss, Theodore; and Fu, Sing, 4,863,071, Cl. 222-207.000.

Fu, Ta-Wei; and Newman, Bruce A., to Conoco Inc. Method for improving the properties of premium coke. 4,822,479, 4-18-89, Cl. 208-131.000.

Fu Wu, Alexander: *See*—
  Wilkus, Edward V.; and Fu Wu, Alexander, 4,864,001, Cl. 525-199.000.

Fub, Josef, to Ford Motor Company. Bearing assembly for a continually variable cone-pulley belt drive transmission. 4,820,243, 4-11-89, Cl. 474-43.000.

Fucci, Joseph G.; and Clough, Melvyn J. L., to TRW Inc. Fastener. 4,819,954, 4-11-89, Cl. 277-235.00B.

Fuchi, Ikuo: *See*—
  Arai, Takashi; Maruyama, Yutaka; and Fuchi, Ikuo, 4,848,225, Cl. 100-176.000.

Fuchi, Masao: *See*—
  Yamato, Motoyuki; Ueno, Susumu; Okumura, Kinichi; and Fuchi, Masao, 4,853,435, Cl. 525-193.000.

Fuchigami, Mitsuru: *See*—
  Hiraishi, Shigetoshi; Koike, Naomasa; Kondo, Kazuyoshi; and Fuchigami, Mitsuru, 4,874,740, Cl. 503-201.000.
  Hiraishi, Shigetoshi; Fuchigami, Mitsuru; Miyauchi, Masahiro; and Kabashima, Kazuo, 4,880,767, Cl. 503-217.000.

Fuchigami, Wataru: *See*—
  Sakurai, Tadashi; Fuchigami, Wataru; and Kitta, Hideaki, 4,795,420, Cl. 60-313.000.
  Sakurai, Tadashi; and Fuchigami, Wataru, 4,840,029, Cl. 60-313.000.
  Sakurai, Tadashi; and Fuchigami, Wataru, 4,869,063, Cl. 60-313.000.

Fuchigami, Yasuhiro, to Nippon Sheet Glass Co., Ltd. Joint assembly. 4,871,277, 10-3-89, Cl. 403-166.000.

Fuchikami, Takamasa; Urata, Hisao; Ishii, Yoshimitsu; and Obata, Yoshiko, to Sagami Chemical Research Center. Process for preparing fluorine-containing carboxylic acid ester. 4,855,487, 8-8-89, Cl. 560-227.000.

Fuchizawa, Tetsuro; Sano, Masaru; Taguchi, Seiichi; Shiba, Keisuke; and Ogawa, Tadashi, to Fuji Photo Film Co., Ltd. Photographic color photosensitive material with two layer reflective support. 4,851,327, 7-25-89, Cl. 430-503.000.

Fuchizawa, Tetsuro: *See*—
  Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,800,192, Cl. 503-200.000.
  Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,803,191, Cl. 503-200.000.
  Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,830,928, Cl. 428-511.000.
  Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,859,577, Cl. 430-538.000.
  Tamagawa, Shigehisa; Kuroishi, Masayuki; and Fuchizawa, Tetsuro, 4,876,170, Cl. 430-138.000.

Fuchs, Andreas: *See*—
  Bremer, Jurgen; Fuchs, Andreas; and Marquardt, Rainer, 4,809,153, Cl. 363-141.000.

Fuchs, Anton, to Grobena AG. Method of producing a transfer print. 4,833,066, 5-23-89, Cl. 430-292.000.

Fuchs, Charles R.; Haessig, David A., Jr.; Heckathorn, David L.; Kass, Jordan S.; Lindsay, Peter; and Volpe, Joseph J., to Plessey Electronic Systems Corp. Two-axis mirror stabilization assembly. 4,881,800, 11-21-89, Cl. 350-500.000.

Fuchs, Conrad E.: *See*—
  Fielder, Kenneth B.; Belli, Robert L.; and Fuchs, Conrad E., 4,820,397, Cl. 204-298.000.

Fuchs, Dieter: *See*—
  Allgauer, Gunter; Strohhacker, Peter; and Fuchs, Dieter, 4,884,700, Cl. 209-685.000.

Fuchs, Erich, to Nixdorf Computer AG. Switching power supply. 4,843,535, 6-27-89, Cl. 363-71.000.

Fuchs, Georg: *See*—
  LeBisch, Helmut; Basel, Rainer; Fuchs, Georg; Dietmar, Hermann; Wipfelder, Ernst; and Hekele, Wilhelm, 4,871,502, Cl. 264-222.000.

Fuchs, Gerhard H.: *See*—
  Baughman, Ray H.; Buff, Ernest D.; Eckhardt, Helmut; and Fuchs, Gerhard H., 4,848,875, Cl. 350-331.00R.

Fuchs, Hans-Bernd: *See*—
  Hellermann, Walter; Herrmann, Christoph; Fuchs, Hans-Bernd; Nordsiek, Karl-Heinz; Wolpers, Jurgen; and von Portatius, Hans-Eberhard, 4,814,386, Cl. 525-258.000.

Fuchs, Hans P., to Siemens Aktiengesellschaft. Clock generator having complementary transistors. 4,833,343, 5-23-89, Cl. 307-296.200.

Fuchs, Harald; Gleiter, Herbert; Trapp, Stephan; and Petermann, Juergen, to Basf Aktiengesellschaft. Strain gage having a thin discontinuous metal layer. 4,812,800, 3-14-89, Cl. 338-2.000.

Fuchs, Henry, to University of North Carolina. Image buffer having logic-enhanced pixel memory cells and method for setting values therein. 4,827,445, 5-2-89, Cl. 364-900.000.

Fuchs, Hubert: *See*—
  Wiest, Peter P.; and Fuchs, Hubert, 4,874,362, Cl. 604-26.000.

Fuchs, Hugo; and Weiss, Franz-Josef, to BASF Aktiengesellschaft. Preparation of pure hydroxylammonium salts of fatty acids of 1 to 4 carbon atoms. 4,837,362, 6-6-89, Cl. 562-606.000.

Fuchs, Hugo, to BASF Aktiengesellschaft. Purification of cyclohexanone oxime containing ammonium sulfate. 4,873,369, 10-10-89, Cl. 564-264.000.

Fuchs, Hugo; Ritz, Josef; Thomas, Erwin; and Weiss, Franz-Josef, to BASF Aktiengesellschaft. Preparation of hydroxylammonium salts. 4,889,704, 12-26-89, Cl. 423-387.000.

Fuchs, Hugo: *See*—
  Brand, Uwe; De Decker, Emile; Deuker, Ernst; Fuchs, Hugo; Kartte, Klaus; Neubauer, Gerald; and Oostvogels, Jozef, 4,804,473, Cl. 210-634.000.
  Brand, Uwe; Schmitz, Ruediger; Deuker, Ernst; and Fuchs, Hugo, 4,806,638, Cl. 540-540.000.
  Holzknecht, Bernhard; Fuchs, Hugo; Hetzel, Eckhard; Wintermantel, Klaus; and Thoma, Peter, 4,795,571, Cl. 210-774.000.
  Neubauer, Gerald; De Decker, Emile; Fuchs, Hugo; Holzknecht, Bernhard; and Ritz, Josef, 4,882,430, Cl. 540-540.000.

Fuchs, Jurgen: *See*—
  Haindl, Hans; and Fuchs, Jurgen, 4,871,356, Cl. 604-247.000.

Fuchs, Karl-Heinz; Graf, Lothar; and Forsbach, Heinz-Peter, to Ing Erich Pfeiffer GmbH & Co. KG; and Bayer Aktiengesellschaft. Dispenser for flowable media. 4,817,829, 4-4-89, Cl. 222-259.000.

Fuchs, Kathryn J.; and Davis, Richard E. Applicator bottle with metering means. 4,846,201, 7-11-89, Cl. 132-212.000.

Fuchs, Kathryn J.: *See—*

Davis, Richard E.; and Fuchs, Kathryn J., 4,859,105, Cl. 401-286.000.

Fuchs, Leonhard; and Fuchs, Martin. Method of aeration at specific depth and pressure conditions. 4,844,816, 7-4-89, Cl. 210-758.000.

Fuchs, Martin: *See—*

Fuchs, Leonhard; and Fuchs, Martin, 4,844,816, Cl. 210-758.000.

Fuchs, Peter, to Nova-Werke AG. Diesel fuel injection device with preinjection. 4,878,471, 11-7-89, Cl. 123-446.000.

Fuchs, Rainer; Maurer, Fritz; Priesnitz, Uwe; Riebel, Hans-Jochem; and Klauke, Erich, to Bayer Aktiengesellschaft. 4-fluoro-3-bromo benzaldehyde acetals. 4,845,249, 7-4-89, Cl. 549-455.000.

Fuchs, Rainer; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. Separation of diastereomers of cyclopropanecarboxylic acid esters. 4,853,477, 8-1-89, Cl. 558-398.000.

Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., to Rheinmetall GmbH, Firma. Subcaliber projectile with pivotally separable drive cage. 4,850,279, 7-25-89, Cl. 102-521.000.

Fuchs, Uwe: *See—*

Halder, Ernst; Dinkelmann, Friedrich; Buder, Robert; Fuchs, Uwe; Horak, Dieter; and Schafer, Hans-Heinz, 4,825,634, Cl. 57-305.000.

Fuchs, Volker, to Siemens Aktiengesellschaft. Coaxial collet chuck. 4,802,680, 2-7-89, Cl. 279-33.000.

Fuchs, Volker, to Siemens Aktiengesellschaft. Measuring device for the identification of the enveloping cylinder of precision round parts. 4,805,311, 2-21-89, Cl. 33-178.00R.

Fuchs, Werner K. H. Stacking device for the displacement of sheets. 4,861,213, 8-29-89, Cl. 414-791.200.

Fuchs, Willi; and Kermelk, Werner, to Lemmerz-werke KGaA. Support block for track adjustment wheels. 4,883,324, 11-28-89, Cl. 301-9.0TV.

Fuchsberger, Hermann, to AGfa-Gevaert Aktiengesellschaft. Method and apparatus for adjusting color saturation in electronic image processing. 4,812,902, 3-14-89, Cl. 358-80.000.

Fuchsberger, Hermann; and Wagensonner, Eduard, to AGFA-Gevaert Aktiengesellschaft. Method of and apparatus for electronic contrast enhancement of reproductions of two-dimensional transparent original images. 4,825,297, 4-25-89, Cl. 358-284.000.

Fuchsberger, Hermann, to AGFA Gevaert Aktiengesellschaft. Method of correcting color saturation in electronic image processing. 4,831,434, 5-16-89, Cl. 358-80.000.

Fuchsberger, Hermann: *See—*

Wagensonner, Eduard; Ruf, Wolfgang; Fuchsberger, Hermann; and Birgmeir, Klaus, 4,812,903, Cl. 358-80.000.

Wagensonner, Eduard; Fuchsberger, Hermann; and Ruf, Wolfgang, 4,825,296, Cl. 358-280.000.

Fucinato, Gene J. Golf putter. 4,861,038, 8-29-89, Cl. 273-169.000.

Fuda, Hitoshi: *See—*

Fukushi, Yuzo; Fuda, Hitoshi; and Sasada, Taisuke, 4,860,366, Cl. 381-106.000.

Fudenberg, H. Hugh. Method of using alpha-1 acid glycoprotein on T-cells as a marker for Alzheimer's disease. 4,801,533, 1-31-89, Cl. 435-7.000.

Fuderer, Andrija, to UOP. Integrated process and apparatus for the primary and secondary catalytic steam reforming of hydrocarbons. 4,822,521, 4-18-89, Cl. 252-376.000.

Fuderer, Miha; and Cuppen, Johannes J. M., to U.S. Philips Corp. Method and arrangement for determining a corrected MRI surface coil image. 4,812,753, 3-14-89, Cl. 324-307.000.

Fuderer, Miha; and Cuppen, Johannes J. M., to U.S. Philips Corporation. Nuclear magnetic resonance imaging method and device. 4,823,085, 4-18-89, Cl. 324-312.000.

Fudge, Alva L.: *See—*

Chriske, Eugene; Leno, Theodore, Jr.; and Fudge, Alva L., 4,838,178, Cl. 108-55.100.

Fudge, Chester: *See—*

Sahi, Carl R.; Phillips, Richard R.; Fudge, Chester; and Lamo, Jeffrey J., 4,828,547, Cl. 604-110.000.

Fudim, Efrem V. Method and apparatus for production of three-dimensional objects by photosolidification. 4,801,477, 1-31-89, Cl. 427-54.100.

Fudim, Efrem V., to Sundstrand Corp. Liquid volume monitoring apparatus and method. 4,840,064, 6-20-89, Cl. 73-290.00B.

Fuehrer, Charles, to Stoffel Seals Corp. Container with plastic ear assemblies and wire handle and method of making the same. 4,813,568, 3-21-89, Cl. 220-92.000.

Fuehrer, Diethelm, to Siemens Aktiengesellschaft. Method for determining points in space guiding the movement of a robot arm. 4,879,663, 11-7-89, Cl. 364-513.000.

Fuehrer, Reece R.; and Swingler, Peter E., to General Motors Corporation. Valve and closure assembly for an automatic transmission. 4,805,490, 2-21-89, Cl. 74-867.000.

Fuel Conservation Corporation: *See—*

Goldman, Stuart O.; and Pearson, Robert B., 4,844,716, Cl. 44-68.000.

Fuel Systems Textron Inc.: *See—*

Mancini, Alfred A.; Sager, James W.; and Koblish, Theodore R., 4,798,330, Cl. 239-8.000.

Fuel Tech, Inc.: *See—*

Burton, Albert A., 4,842,834, Cl. 423-235.000.

Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., 4,822,577, Cl. 423-243.000.

Epperly, William R.; Peter-Hoblyn, Jeremy D.; and Sullivan, James C., 4,830,839, Cl. 423-235.000.

Epperly, William R.; Sullivan, James C., and Sprague, Barry N., 4,844,878, Cl. 423-235.000.

Epperly, William R.; Peter-Hoblyn, Jeremy D.; Shulof, George F., Jr.; Sullivan, James C.; and Sprague, Barry N., 4,863,704, Cl. 423-235.000.

Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., 4,863,705, Cl. 423-235.000.

Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., 4,873,066, Cl. 423-235.000.

Epperly, William R.; O'Leary, John H.; Sullivan, James C.; and Sprague, Barry N., 4,877,590, Cl. 423-235.000.

Epperly, William R.; and Sullivan, James C., 4,877,591, Cl. 423-235.000.

Epperly, William R.; and Sullivan, James C., 4,888,165, Cl. 423-235.000.

Sullivan, James C.; and Epperly, William R., 4,803,059, Cl. 423-235.000.

Fuelock, Inc.: *See—*

Castro, Felix, 4,842,092, Cl. 180-287.000.

Fuentes, Gabriel S. F.; and Hidalgo, Orlando L., to TANI Enterprises, Inc. Sonic fishing lure. 4,805,339, 2-21-89, Cl. 43-42.310.

Fuentes, Lelia M., to Merck & Co., Inc. Process for bis(substituted phenyl) phosphorohalidates. 4,845,261, 7-4-89, Cl. 558-101.000.

Fuentes, Ricardo, Jr.; Meiske, Larry A.; and Marchand, Gary R., to Dow Chemical Company, The. Process for polymerizing olefins. 4,873,300, 10-10-89, Cl. 526-142.000.

Fuentes, Ricardo I. Silicon carbide sintering. 4,876,226, 10-24-89, Cl. 501-89.000.

Fuerderer, Juergen: *See—*

Wiedemann, Wolfgang; Drexler, Michael; and Fuerderer, Juergen, 4,818,653, Cl. 430-59.000.

Fuerniss, Stephen J.: *See—*

Feilchenfeld, Natalie B.; Fuerniss, Stephen J.; Glenning, John J.; Pawlowski, Walter P.; Phelan, Giana M.; and Ricker, Paul G., 4,883,744, Cl. 430-325.000.

Fuerschbach, Raymond F., to ITT Standard, a division of ITT Corporation. Plate type heat exchanger. 4,815,534, 3-28-89, Cl. 165-167.00

Fuerschbach, Raymond F.; Creighton, Timothy P.; and Fijas, David F., to ITT Standard, a division of ITT Corporation. Plate type heat exchanger. 4,872,578, 10-10-89, Cl. 165-167.000.

Fuerst, Arpad; and Wingen, Bernhard, to Webasto AG Fahrzeugtechnik. Device for controlling movements of covers in sliding and lifting roofs, and sliding and lifting roof utilizing same. 4,841,812, 6-27-8 Cl. 74-810.000.

Fuerstenberg, Gary D.: *See—*

West, Philip B.; Major, Robert D.; and Fuerstenberg, Gary D., 4,878,273, Cl. 24-289.000.

Fuertes, Patrick; and Fleche, Guy. Process for the oxidation of aldoses, catalyst used in said process and products thus obtained. 4,845,2 7-4-89, Cl. 536-124.000.

Fuerthbauer, Rupert; and Stanelli, Daniel, to Optrel AG. Electro-optic welding lens assembly. 4,863,244, 9-5-89, Cl. 350-332.000.

Fues, Johann F.: *See—*

Meffert, Alfred; Glesen, Brigitte; Syldatk, Andreas; Wegener, Ingo; and Fues, Johann F., 4,830,784, Cl. 252-547.000.

Meffert, Alfred; Syldatk, Andreas; and Fues, Johann F., 4,863,52 Cl. 134-1.000.

Fugate, Eric J.: *See—*

Sumner, Charles E., Jr.; and Fugate, Eric J., 4,804,777, Cl. 562-421.000.

Fugigaki, Arturo H.: *See—*

Baker, Robert C.; Fugigaki, Arturo H.; Lu, Choing-Liang; and Hotchkiss, Joseph H., 4,849,232, Cl. 426-92.000.

Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, to BBC Brown Boveri AG. Dual burner facility with a fuel oil atomizer. 4,838,783, 6-13-89, Cl. 431-284.000.

Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, to BBC Brown Boveri AG. Burner system. 4,850,194, 7-25-89, Cl. 60-737.00

Fuhr, Karl; Muller, Friedemann; and Ott, Karl-Heinz, to Bayer Aktiengesellschaft. Phosphorus-containing oligomers and polymers containing polyphenylene ether blocks and mixtures of other plastics therewith. 4,837,276, 6-6-89, Cl. 524-125.000.

Fuhr, Peter L.: *See—*

Abshire, James B.; and Fuhr, Peter L., 4,806,732, Cl. 219-124.34

Fuhrer, Gerd: *See—*

Heller, Hubert; and Fuhrer, Gerd, 4,848,178, Cl. 74-473.00R.

Fuhrer, Jack S., to General Electric Company. Compatible television system with companding of auxiliary signal encoding information. 4,855,824, 8-8-89, Cl. 358-133.000.

Fuhrer, Jack S.: *See—*

Isnardi, Michael A.; Smith, Terrence R.; Fuhrer, Jack S.; and Roeder, Barbara J., 4,888,641, Cl. 358-141.000.

Smith, Terrence R.; Isnardi, Michael A.; Fuhrer, Jack S.; and Pa Chandrakant B., 4,862,271, Cl. 358-166.000.

Fuhrer, Jean-Claude: *See—*

Baltz, Rainier; and Fuhrer, Jean-Claude, 4,839,888, Cl. 370-60.1

Fuhrer, John P. R., to 698315 Ontario, Ltd. Reinforced cementitious panel. 4,841,705, 6-27-89, Cl. 52-410.000.

Fuhrer, Walter; Buhlmayer, Peter; Rasetti, Vittorio; and Riniker, Bernhard, to Ciba-Geigy Corporation. Substituted 5-amino-4-hydroxyvaleryl derivatives. 4,863,903, 9-5-89, Cl. 514-17.000.

Fuhrer, Walter: *See—*

Buhlmayer, Peter; Stanton, James L.; Fuhrer, Walter; Goschke, Richard; Rasetti, Vittorio; and Rueger, Heinrich, 4,889,869, Cl. 514-400.000.

Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, to Bayer Aktiengesellschaft. Trisubstituted 1,3,5-triazine-2,4,6-triones. 4,839,359, 6-13-89, Cl. 514-241.000.

Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, to Bayer Aktiengesellschaft. Trisubstituted 1,3,5-triazine-2,4,6-triones. 4,876,253, 10-24-89, Cl. 514-241.000.

Fuhrhop, Ronald E.; and Wandelt, Allan R., to L-TEC Company. Metallurgical tuyere and method of calibrating same. 4,795,138, 1-3-89, Cl. 266-44.000.

Fuhring, Heinrich, to Bowe Reinigungstechnik GmbH. Apparatus for the recovery of solvent vapor from an air stream. 4,850,119, 7-25-89, Cl. 34-77.000.

Fuhrman, Nathan; and Bryan, William J., to Combustion Engineering, Inc. Element with burnable poison coating. 4,824,634, 4-25-89, Cl. 376-419.000.

Fuhrman, Nathan: *See—*

Bryan, William J.; and Fuhrman, Nathan, 4,880,597, Cl. 376-419.000.

Fuhrman, William J.; Hall, Daniel W.; and Schneider, John C., to Ford Motor Company. Cold extrusion process for internal helical gear teeth. 4,878,370, 11-7-89, Cl. 72-264.000.

Fuhrmann, Castor; Hosan, Hans-Josef; Knopp, Axel; and Wurges, Gerd, to Stabilus GmbH. Positioning device. 4,830,432, 5-16-89, Cl. 297-304.000.

Fuhrmann, Castor: *See—*

Wildemann, Willi; Morgen, Helmut; Fuhrmann, Castor; Siemann, Martin; Kessler, Jurgen; and Freitag, Herbert, 4,867,317, Cl. 267-64.120.

Fuhrmann, Hartmut: *See—*

Hirt, Alfred; and Fuhrmann, Hartmut, 4,833,990, Cl. 101-130.000.

Mayrhofer, Otto; Fuhrmann, Hartmut; and Plaschka, Reinhard, 4,846,065, Cl. 101-453.000.

Scheer, Wolfgang; Fuhrmann, Hartmut; Kossmehl, Gerhard; Niemitz, Matthias; and Kabbeck-Kupijai, Detlef, 4,872,962, Cl. 204-224.00R.

Fuhrmann, Peter: *See—*

Froach, Hans-Georg; Grave, Heinrich; Stutz, Herbert; Waldau, Eckart; and Fuhrmann, Peter, 4,847,408, Cl. 560-347.000.

Henning, Wolfgang; Meckel, Walter; and Fuhrmann, Peter, 4,857,565, Cl. 523-343.000.

Fuhrmann, Werner; zur Hausen, Manfred; and Krix, Wilfried, to Huls Aktiengesellschaft. Manufacture of phthalic anhydride by gas phase oxidation of a mixture of o-xylol and naphthalene. 4,855,458, 8-8-89, Cl. 549-248.000.

Fuhs, Norbert M.: *See—*

Yeary, Robert L.; Parkes, Larry J.; and Fuhs, Norbert M., 4,832,544, Cl. 409-158.000.

Fuierer, Anton A.: *See—*

Wachter, William J.; and Fuierer, Anton A., 4,889,681, Cl. 376-272.000.

Fumefreddo, Anthony J., to Perkin-Elmer Corporation, The. Arc spray gun for coating confined areas. 4,853,513, 8-1-89, Cl. 219-76.140.

Fuisz Pharmaceutical Ltd.: *See—*

Fuisz, Richard C., 4,855,326, Cl. 514-777.000.

Fuisz, Richard C., 4,873,085, Cl. 424-400.000.

Fuisz, Richard C., to Fuisz Pharmaceutical Ltd. Rapidly dissoluble medicinal dosage unit and method of manufacture. 4,855,326 8-8-89, Cl. 514-777.000.

Fuisz, Richard C., to Fuisz Pharmaceutical Ltd. Spun fibrous cosmetic and method of use. 4,873,085, 10-10-89, Cl. 424-400.000.

Fuji Blade Co., Ltd.: *See—*

Masato, Honsho; and Toru, Hanahusa, 4,807,366, Cl. 30-383.000.

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Kamata, Shigeru, 4,807,376, Cl. 38-42.000.

Fuji Chemicals Industrial Co., Ltd.: *See—*

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Kaifu, Katsuaki; Kosuge, Maki; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, 4,889,795, Cl. 430-326.000.

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Okamura, Katsutoshi; Esaki, Yasuo; Matsuzawa, Koichi; and Asano, Katsuhiko, 4,886,650, Cl. 426-330.400.

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Aizawa, Koichi; Kazama, Toyoki; Takano, Yukio; and Tamura, Yukihisa, 4,837,137, Cl. 430-65.000.

Fuji, Masaaki; and Nomura, Toshihiro, 4,866,592, Cl. 363-98.000.

Fujita, Michiru, 4,890,082, Cl. 335-301.000.

Furuhata, Shoichi, 4,825,279, Cl. 357-68.000.

Harumi, Miyama; and Ono, Haruo, 4,817,706, Cl. 165-30.000.

Hattori, Yoshimasa; and Furusho, Noboru, 4,871,636, Cl. 430-77.000.

Hattori, Yoshimasa; and Furusho, Noboru, 4,882,255, Cl. 430-73.000.

Hikita, Hiroshi, 4,887,347, Cl. 29-602.100.

Hirota, Toshio; Ohuchi, Takashi; and Yamamoto, Osamu, 4,873,15[illegible], Cl. 429-26.000.

Hongo, Yasuo, 4,887,303, Cl. 382-34.000.

Ishikawa, Masahide; Sakurai, Kazuo; Shimizu, Tomio; and Tanaka, Junzo, 4,801,828, Cl. 307-646.000.

Iwai, Hiromi; Nakajima, Masatoshi; Asaga, Hiroshi; Takao, Nobuyuki; Shiga, Satoru; and Tanabe, Yoshihiro, 4,866,393, Cl. 324-549.000.

Kandatsu, Kiyoshi, 4,853,662, Cl. 335-185.000.

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Kandatsu, Kiyoshi; Yamazaki, Makoto; and Kinota, Hiroshi, 4,880,948, Cl. 200-151.000.

Kasahara, Masahiko; and Narita, Mitsuru, 4,837,099, Cl. 430-58.000.

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Kawasaki, Kikuo; Yamamoto, Hitoshi; Fukuhara, Masanori; and Asanuma, Kenji, 4,814,754, Cl. 340-706.000.

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Kurita, Masaya; and Kanzaki, Katsuya, 4,794,659, Cl. 5-453.000.

Kuroda, Masami; Nakamura, Yoichi; and Furusho, Noboru, 4,861,691, Cl. 430-59.000.

Kuroda, Masami; Nakamura, Yoichi; and Furusho, Noboru, 4,861,692, Cl. 430-59.000.

Kuroda, Masami; Hattori, Yoshimasa; Furusho, Noboru; and Sugata, Yoshinobu, 4,877,703, Cl. 430-76.000.

Matsuzaki, Kazuo, 4,851,889, Cl. 357-23.400.

Miura, Masao; and Osima, Isamu, 4,849,726, Cl. 335-195.000.

Miyagawa, Michiaki; Ishizaka, Yutaka; and Shimomura, Shoji, 4,876,732, Cl. 382-41.000.

Miyagawa, Michiaki; Oki, Koichi; and Horii, Hiroyuki, 4,885,784, Cl. 382-8.000.

Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi; Toyoshi, Takanori; and Uede, Toshio, 4,877,558, Cl. 252-626.000.

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Moteki, Eiji, 4,862,051, Cl. 318-696.000.

Moteki, Eiji, 4,875,114, Cl. 360-77.080.

Nakagawa, Yukio, 4,837,754, Cl. 367-105.000.

Nakano, Shozo; and Hayashi, Hideo, 4,849,725, Cl. 335-8.000.

Narita, Mitsuru, 4,868,077, Cl. 430-58.000.

Nishibe, Takashi, 4,802,194, Cl. 377-20.000.

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Nishiura, Masaharu, 4,820,024, Cl. 350-333.000.

Nishiura, Masaharu, 4,868,623, Cl. 357-32.000.

Ohsawa, Masahiro; and Yonezawa, Eiichi, 4,874,976, Cl. 310-268.000.

Oyama, Jun; and Uchida, Naoshi, 4,884,049, Cl. 337-36.000.

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Shiromizu, Yasuyuki; and Urata, Kenji, 4,837,629, Cl. 358-213.190.

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Takabayashi, Yasuhiro, 4,839,574, Cl. 320-3.000.

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Takahashi, Fumito, 4,803,444, Cl. 331-65.000.

Terasima, Zirou, 4,866,401, Cl. 330-310.000.

Tsukahara, Takashi, 4,879,639, Cl. 363-37.000.

Tsuruoka, Michihiko; Nakagawa, Wataru; Miyoshi, Noriomi; Konosu, Naohiro; and Hashimoto, Tadao, 4,872,335, Cl. 73-30.000.

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Umemoto, Yoshiyuki, 4,853,043, Cl. 136-244.000.

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Yanase, Takao; and Fujita, Koetsu, 4,849,621, Cl. 250-211.00K.

Yasuhara, Takeshi; and Nishimura, Makoto, 4,819,014, Cl. 346-140.00R.

Yasuhara, Takeshi; and Nabeta, Eiichi, 4,864,489, Cl. 364-131.000.

Yokoyama, Shotaro; and Nishinbe, Takashi, 4,883,951, Cl. 250-201.000.

Yoshizawa, Isamu; Yanai, Ginjiro; and Matsuda, Seiichi, 4,831,858, Cl. 72-249.000.

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Matsuura, Sadaji; Arai, Yasuo; Aoki, Shigeki; and Ando, Satoru, 4,812,169, Cl. 106-15.050.

Fuji, Hiroshi: *See—*

Fujiwara, Tetsuo; Fuji, Hiroshi; Iwaki, Takashi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,843,604, Cl. 369-116.000.

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Abe, Kunihiro, 4,825,829, Cl. 123-339.000.

Abe, Kunihiro, 4,829,440, Cl. 364-431.060.

Abe, Kunihiro, 4,869,221, Cl. 123-414.000.

Abe, Kunihiro, 4,873,958, Cl. 123-424.000.

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Etoh, Motoaki; and Ishii, Keisuke, 4,881,510, Cl. 123-572.000.

Fujiki, Haruo; and Tezuka, Kazunari, 4,884,650, Cl. 180-197.000.

Furuyama, Masaaki, 4,850,324, Cl. 123-479.000.

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Ichikawa, Kazuharu, 4,823,798, Cl. 123-571.000.
Ide, Tohru; and Satoh, Mitsugu, 4,824,424, Cl. 474-242.000.
Iizuka, Tsunee, 4,819,605, Cl. 123-492.000.
Inoue, Takeo, 4,882,949, Cl. 74-714.000.
Ishii, Norio, 4,867,112, Cl. 123-90.450.
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Ishizeki, Seiichi, 4,884,056, Cl. 340-453.000.
Iwata, Seiichi; and Takenaka, Kyoji, 4,805,718, Cl. 180-233.000.
Kamimaru, Shinji, 4,870,822, Cl. 60-600.000.
Kanazawa, Kazuo, 4,834,229, Cl. 192-85.0AA.
Kogiso, Harumi; and Akachi, Keiji, 4,827,670, Cl. 49-476.000.
Konno, Toshihiro, 4,880,073, Cl. 180-140.000.
Maeda, Satoshi, 4,827,886, Cl. 123-414.000.
Matsumoto, Rempei, 4,819,506, Cl. 74-665.00T.
Matsumoto, Rempei, 4,880,074, Cl. 180-142.000.
Miyachi, Yoshihiko, 4,864,997, Cl. 123-489.000.
Miyama, Syuuji; and Ohkumo, Hiroya, 4,846,127, Cl. 123-325.000.
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Morimoto, Yoshihiko, 4,819,513, Cl. 74-866.000.
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Nakamura, Susumu, 4,850,936, Cl. 474-28.000.
Nakamura, Susumu, 4,872,377, Cl. 74-867.000.
Ochiai, Katsumi, 4,841,789, Cl. 74-15.630.
Ohkumo, Hiroya, 4,803,900, Cl. 74-866.000.
Ohkumo, Hiroya, 4,803,967, Cl. 123-422.000.
Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,805,751, Cl. 192-0.076.
Ohkumo, Hiroya, 4,823,555, Cl. 62-133.000.
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Ohkumo, Hiroya, 4,825,991, Cl. 192-0.052.
Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,830,155, Cl. 192-0.[illegible]2.
Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,834,226, Cl. 192-0.033.
Ohkumo, Hiroya, 4,846,321, Cl. 192-0.032.
Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,848,528, Cl. 192-0.032.
Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,848,544, Cl. 192-0.076.
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Osano, Hisashi, 4,844,042, Cl. 123-492.000.
Oshita, Saiichiro; Mouri, Toyohiko; and Uemura, Yuji, 4,800,975, Cl. 180-142.000.
Oshita, Saiichiro; Mouri, Toyohiko; and Takahashi, Tsutomu, 4,842,088, Cl. 180-79.100.
Oshita, Saiichiro; Mouri, Toyohiko; and Takahaski, Tsutomu, 4,875,540, Cl. 180-79.100.
Oshita, Saiichiro; Mouri, Toyohiko; Takahashi, Tsutomu; and Itou, Shinji, 4,875,541, Cl. 180-79.100.
Sakai, Yasuhito, 4,809,564, Cl. 74-689.000.
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Sakai, Yasuhito; and Iijima, Yoichi, 4,844,221, Cl. 192-3.560.
Sakai, Yasuhito, 4,846,765, Cl. 474-28.000.
Sakai, Yasuhito, 4,850,937, Cl. 474-28.000.
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Sakakiyama, Ryuzo, 4,829,852, Cl. 74-866.000.
Sakakiyama, Ryuzo, 4,831,896, Cl. 74-856.000.
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Sakamoto, Masanori; and Morozumi, Takuro, 4,841,939, Cl. 123-494.000.
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Sasaki, Minoru; and Suzuki, Nobuji, 4,848,033, Cl. 49-352.000.
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Satoh, Keiji, 4,841,814, Cl. 74-866.000.
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Sogawa, Yoshiyuki, 4,884,546, Cl. 123-486.000.
Sogawa, Yoshiyuki, 4,884,548, Cl. 123-492.000.
Sogawa, Yoshiyuki, 4,889,095, Cl. 123-418.000.
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Takahashi, Akira, 4,869,335, Cl. 180-140.000.
Takahashi, Masahiko, 4,819,690, Cl. 137-514.000.
Takahashi, Mitsuo; Oyama, Fusami; and Kodama, Yukio, 4,805,721, Cl. 180-248.000.
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Takahashi, Tsutomu; Itou, Shinji; Oshita, Saiichiro; and Mouri, Toyohiko, 4,834,203, Cl. 180-79.100.
Tanaka, Hiroshi; and Morimoto, Yoshihiko, 4,794,819, Cl. 74-866.000.
Tanaka, Hiroshi, 4,833,944, Cl. 74-866.000.
Tezuka, Kazunari; and Sakai, Yasuhito, 4,827,804, Cl. 74-866.000.
Tsuneda, Masaaki, 4,805,713, Cl. 180-70.100.
Uchiyama, Shintaro, 4,875,698, Cl. 180-233.000.
Ushijima, Takayaki; Igarashi, Katsumasa; and Ishizeki, Seiichi, 4,881,785, Cl. 303-111.000.
Yamada, Kenichi, 4,850,938, Cl. 474-28.000.
Yamakawa, Toru; Makita, Fujio; Umezawa, Mitsuo; and Sakikiyama, Ryuzo, 4,840,246, Cl. 180-247.000.

Fuji Kagakushi Kogyo Co.: *See—*
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Fuji Kagakushi Kogyo Co., Ltd.: *See—*
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Kobayashi, Satoshi; and Kato, Koji, 4,884,668, Cl. 192-4.00A.
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Tanaka, Hazime; Suzuki, Hirayoshi; and Sasaki, Keiji, 4,853,504, Cl. 200-83.00P.
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Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, Hiroshi; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubou, Hayato, 4,795,569, Cl. 210-770.000.
Inayoshi, Kuniaki; Egawa, Yoshitsugu; Hirukawa, Yoshinori; and Yamaguchi, Masayuki, 4,869,915, Cl. 426-565.000.
Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuya; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.
Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Baba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanega, Junji, 4,882,192, Cl. 426-607.000.
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Sagi, Nobuo; Izumi, Tsugio; Kida, Haruyasu; and Maeda, Hirokazu, 4,839,192, Cl. 426-607.000.
Saito, Toshiaki; Ueno, Chizuru; and Sunada, Fumiyuki, 4,861,60[illegible], Cl. 426-93.000.
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Fuji Pack System Ltd.: *See—*
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Akimoto, Taizo; Nishiyama, Mikio; Yazawa, Yoshiyuki; and Ohnishi, Hirohumi, 4,827,341, Cl. 358-148.000.
Yazawa, Yoshiyuki; Ohnishi, Hirofumi; Akimoto, Taizo; Washizu, Susumu; and Shoji, Tsuyoshi, 4,843,471, Cl. 358-160.000.
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Abe, Akira; Kishimoto, Shinzo; and Ogawa, Yasuhisa, 4,822,72[illegible], Cl. 430-393.000.
Abe, Akira; Mihayashi, Keiji; Kobayashi, Hidetoshi; and Ka[illegible] Hirohiko, 4,840,877, Cl. 430-350.000.
Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,857,441, Cl. 430-393.000.
Abe, Akira; Mihayashi, Keiji; and Ichijima, Seiji, 4,873,179, Cl. 430-382.000.
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Adachi, Yuuma; and Ishida, Masamitsu, 4,816,690, Cl. 250-327.200.
Adachi, Yuuma; Nakajima, Nobuyoshi; and Ishida, Masamitsu, 4,851,678, Cl. 250-327.200.
Adachi, Yuuma; and Nakajima, Nobuyoshi, 4,861,993, Cl. 250-327.200.
Adachi, Yuuma; and Nakajima, Nobuyoshi, 4,864,132, Cl. 250-327.200.
Agano, Toshitaka; and Takasaki, Yoshimi, 4,818,076, Cl. 250-484.100.
Agano, Toshitaka; and Nakajima, Nobuyoshi, 4,877,958, Cl. 250-327.200.

Aida, Shunichi; Yagihara, Morio; Kishimoto, Shinzo; and Fujimoto, Hiroshi, 4,849,324, Cl. 430-445.000.
Akao, Mutsuo; Endo, Hisao; Sata, Toshio; and Ishiguro, Masanori, 4,796,823, Cl. 242-71.800.
Akao, Mutsuo; and Tajima, Kenji, 4,828,106, Cl. 206-316.000.
Akao, Mutsuo; and Kato, Takeshi, 4,844,787, Cl. 204-299.00R.
Akao, Mutsuo, 4,844,961, Cl. 428-36.920.
Akao, Mutsuo, 4,871,613, Cl. 428-328.000.
Akao, Mutsuo; Osanai, Hiroyuki; and Inove, Koji, 4,876,125, Cl. 428-35.200.
Akao, Mutsuo, 4,876,129, Cl. 428-359.000.
Akimoto, Taizo; Akisada, Masahide; Seiki, Takatoshi; Ookawa, Norio; Yoshino, Tatsuo; and Takamura, Yuji, 4,799,072, Cl. 354-76.000.
Akisada, Masahide, 4,826,659, Cl. 422-63.000.
Akiyoshi, Nobuyasu; and Shiraizu, Shigehisa, 4,797,691, Cl. 346-108.000.
Akiyoshi, Yutaka; Kondo, Asaji; and Kitajima, Masao, 4,870,005, Cl. 435-7.000.
Amano, Yoshikazu; Kageyama, Shigeki; and Katsuyama, Harumi, 4,889,797, Cl. 435-4.000.
Ando, Shigeru; and Sasaki, Hidemi, 4,878,138, Cl. 360-99.020.
Ando, Shigeru, 4,879,616, Cl. 360-99.060.
Aoai, Toshiaki, 4,816,375, Cl. 430-270.000.
Aoai, Toshiaki, 4,820,607, Cl. 430-190.000.
Aoai, Toshiaki; Maemoto, Kazuo; Kamiya, Akihiko; and Misu, Hiroshi, 4,877,711, Cl. 430-176.000.
Aono, Koichiro; and Sakaki, Hirokazu, 4,824,757, Cl. 430-169.000.
Aono, Toshiaki; and Nakamura, Koichi, 4,818,662, Cl. 430-348.000.
Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, 4,857,443, Cl. 430-496.000.
Aono, Toshiaki; and Hara, Hiroshi, 4,859,580, Cl. 430-617.000.
Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, 4,868,088, Cl. 430-203.000.
Aonuma, Masashi; Suzuki, Masaaki; and Tamai, Yasuo, 4,847,147, Cl. 428-329.000.
Aotsuka, Yasuo; Kato, Masatoshi; and Yoneyama, Masakazu, 4,868,097, Cl. 430-351.000.
Arai, Fuminori; and Igarashi, Takeshi, 4,826,761, Cl. 435-11.000.
Arai, Takuya, 4,804,987, Cl. 354-219.000.
Arai, Takuya; Yoshiura, Keiichi; and Nozawa, Isao, deceased, 4,866,470, Cl. 354-288.000.
Arai, Yoshihiro; Yasunaga, Tadashi; and Shirahata, Ryuji, 4,835,068, Cl. 428-694.000.
Arakawa, Satoshi; Miyahara, Junji; and Takahashi, Kenji, 4,800,136, Cl. 428-690.000.
Arakawa, Satoshi; and Nonomura, Masamitu, 4,835,397, Cl. 250-484.100.
Arakawa, Satoshi; and Kohda, Katsuhiro, 4,845,369, Cl. 250-484.100.
Arakawa, Satoshi; Kitada, Akira; Yamazaki, Kikuo; Ohmiya, Kenji; and Kawagoe, Jun, 4,855,191, Cl. 428-690.000.
Arakawa, Satoshi; Waki, Masaharu; and Mori, Nobufumi, 4,863,826, Cl. 430-138.000.
Arakawa, Satoshi; Hosoi, Yuichi; Takahashi, Kenji; Tamura, Kaoru; and Satome, Shigeru, 4,883,961, Cl. 250-327.200.
Araki, Hiroaki; Ejiri, Kiyomi; and Ohya, Takao, 4,885,208, Cl. 428-403.000.
Asami, Masahiro, 4,879,206, Cl. 430-550.000.
Asano, Seiji; and Tanaka, Yasuhiko, 4,799,073, Cl. 354-195.120.
Bando, Shinsuki, 4,839,268, Cl. 430-567.000.
Chikamasa, Hiroshi; Takagi, Akira; and Sakaguchi, Masaaki, 4,796,824, Cl. 242-76.000.
Chikamasa, Hiroshi; Utsui, Masaaki; and Nojiri, Yasutami, 4,840,818, Cl. 427-130.000.
Chino, Naoyoshi; Tanaka, Yasunori; Fukumura, Kenichi; and Hiraki, Yasuhito, 4,831,961, Cl. 118-410.000.
Chino, Naoyoshi; Hiraki, Yasuhito; and Sato, Tsunehiko, 4,854,262, Cl. 118-411.000.
Cho, Michio, 4,865,435, Cl. 350-432.000.
Deguchi, Naoyasu; Kamei, Sadao; Goda, Kensuke; Shuto, Sadanobu; and Hayashi, Yasuhiro, 4,886,738, Cl. 430-510.000.
Doi, Atsuhiro, 4,814,787, Cl. 346-1.100.
Ejiri, Kiyomi; Araki, Hiroaki; Matsufuji, Akihiro; and Kasuga, Akira, 4,801,505, Cl. 428-404.000.
Ejiri, Kiyomi; and Konuine, Shigeo, 4,828,903, Cl. 428-141.000.
Fuchizawa, Tetsuro; Sano, Masaru; Taguchi, Seiichi; Shiba, Keisuke; and Ogawa, Tadashi, 4,851,327, Cl. 430-503.000.
Fujii, Itsuo; Sato, Toshikazu; and Kawashima, Kazuharu, 4,822,639, Cl. 427-240.000.
Fujimoto, Hiroshi; and Ishikawa, Takatoshi, 4,837,132, Cl. 430-380.000.
Fujita, Yoshihiro; Umetsu, Takao; Masaoka, Ysuyoshi; and Takahashi, Minoru, 4,831,402, Cl. 354-400.000.
Fujita, Yoshihiro; Akiyama, Kazuhiro; and Takahashi, Miharu, 4,831,404, Cl. 354-403.000.
Fujita, Yoshihiro, 4,849,333, Cl. 430-372.000.
Fujita, Yoshihiro; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Kishimoto, Shinzo, 4,853,318, Cl. 430-380.000.
Fujita, Yoshihiro; and Abe, Akira, 4,855,218, Cl. 430-428.000.
Fujita, Yoshihiro; and Nishikawa, Toshihiro, 4,857,442, Cl. 430-393.000.
Fujita, Yoshihiro; Komatsuzaki, Hiroshi; Shoji, Masao; Noguchi, Yukio; Hirai, Masayoshi; and Ohno, Kazunori, 4,887,109, Cl. 354-222.000.
Fujita, Yutaka; and Tatsuta, Sumitaka, 4,824,721, Cl. 428-321.500.

Fujiwara, Yasuo, 4,839,747, Cl. 358-342.000.
Fukai, Nobutaka; Kimura, Tsutomu; and Matsuda, Terumi, 4,849,630, Cl. 250-327.200.
Funahashi, Takeshi, 4,806,759, Cl. 250-327.200.
Funahashi, Takeshi; and Ishida, Masamitsu, 4,859,850, Cl. 250-327.200.
Funahashi, Takeshi; and Ishida, Masamitsu, 4,864,133, Cl. 250-327.200.
Furue, Ryosuke; and Agano, Toshitaka, 4,833,378, Cl. 318-374.000.
Furutachi, Nobuo; Kawagishi, Toshio; and Nakazyo, Kiyoshi, 4,822,730, Cl. 430-558.000.
Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.
Goto, Chiaki, 4,814,617, Cl. 250-327.200.
Goto, Chiaki; and Kazuo, Horikawa, 4,829,175, Cl. 250-236.000.
Goto, Chiaki; and Noguchi, Masaru, 4,829,180, Cl. 250-327.200.
Goto, Chiaki; and Horikawa, Kazuo, 4,841,135, Cl. 350-6.800.
Goto, Shigenori; and Iwai, Fumio, 4,835,560, Cl. 354-238.100.
Goto, Shigenori; and Iwai, Fumio, 4,885,599, Cl. 354-173.110.
Hamamura, Ken; Kawahara, Sei; and Goto, Mitsuhiro, 4,880,374, Cl. 425-185.000.
Hanai, Kazuko; Yamada, Yasuyuki; and Miyoshi, Takahito, 4,812,369, Cl. 428-425.900.
Hara, Hiroshi, 4,832,197, Cl. 206-409.000.
Hara, Makoto, 4,802,101, Cl. 364-496.000.
Hara, Makoto, 4,885,696, Cl. 364-497.000.
Hara, Yoshio, 4,869,368, Cl. 206-455.000.
Harada, Toru; and Sato, Kozo, 4,800,148, Cl. 430-138.000.
Harada, Toru; and Sato, Kozo, 4,803,148, Cl. 430-138.000.
Harada, Toru; and Iwakura, Ken, 4,812,440, Cl. 503-223.000.
Harada, Toru; Saito, Naoki; and Sato, Kozo, 4,839,333, Cl. 503-218.000.
Harase, Toshikatsu; and Masuda, Akira, 4,829,383, Cl. 358-229.000.
Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; and Nishikawa, Toshihiro, 4,820,624, Cl. 430-567.000.
Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; Nishikawa, Toshihiro; Sakanoue, Kei; and Abe, Akira, 4,865,962, Cl. 430-567.000.
Hasegawa, Akira, 4,842,983, Cl. 430-175.000.
Hasegawa, Akira, 4,879,201, Cl. 430-138.000.
Hashimoto, Masafumi; and Ono, Minoru, 4,804,988, Cl. 354-276.000.
Hashiue, Masakazu, 4,882,488, Cl. 250-327.200.
Hasumi, Kazuo; Watanabe, Hideomi; Okita, Tsutomu; Ryoke, Katsumi; and Kosha, Hideaki, 4,886,703, Cl. 428-323.000.
Hatanaka, Isamu; and Takimoto, Masaaki, 4,850,675, Cl. 350-331.00R.
Hayakawa, Toshiaki, 4,883,748, Cl. 430-567.000.
Hayashi, Ryoichi; Sakamoto, Kiichiro; and Terashita, Takaaki, 4,797,712, Cl. 355-38.000.
Hayashi, Youichi; Kubota, Kazuo; and Sakaguchi, Masaaki, 4,870,291, Cl. 250-570.000.
Heki, Tatsuo; and Inoue, Noriyuki, 4,816,290, Cl. 427-430.100.
Heki, Tatsuo; and Inoue, Noriyuki, 4,863,839, Cl. 430-378.000.
Heki, Tatsuo; Inoue, Noriyuki; and Hirano, Shigeo, 4,880,729, Cl. 430-410.000.
Hideshima, Takahiro, 4,887,125, Cl. 355-55.000.
Higashi, Akio; and Shinada, Haruji, 4,796,072, Cl. 357-30.000.
Higashi, Nobuaki; Nakajima, Nobuyoshi; and Tanaka, Hirosi, 4,845,762, Cl. 382-6.000.
Higashi, Tatsuji; Kawamura, Kouichi; and Abe, Yukio, 4,826,753, Cl. 430-281.000.
Higashi, Tatsuji; and Kita, Nobuyuki, 4,877,719, Cl. 430-326.000.
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; Ohnishi, Hiroshi; and Yamaguchi, Shigeru, 4,830,508, Cl. 366-152.000.
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Yamaguchi, Shigeru, 4,872,763, Cl. 366-160.000.
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Ohnishi, Hiroshi, 4,880,142, Cl. 222-56.000.
Hiiro, Hiroyuki, 4,855,761, Cl. 346-108.000.
Hioki, Takanori; and Takei, Haruo, 4,814,265, Cl. 430-570.000.
Hirai, Hiroyuki; and Hara, Hiroshi, 4,801,961, Cl. 354-303.000.
Hirai, Hiroyuki, 4,820,622, Cl. 430-351.000.
Hirai, Hiroyuki, 4,876,171, Cl. 430-203.000.
Hirai, Hiroyuki; and Yabuki, Yoshiharu, 4,880,723, Cl. 430-218.000.
Hirai, Hiroyuki; and Iwano, Haruhiko, 4,880,725, Cl. 430-373.000.
Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, 4,832,488, Cl. 356-243.000.
Hiraki, Yasuhito; Tanaka, Yasunori; and Noda, Shinji, 4,828,779, Cl. 264-171.000.
Hirano, Shigeo; Murai, Ashita; and Suzuki, Seiji, 4,828,973, Cl. 430-598.000.
Hirano, Shigeo; Kojima, Tetsuro; Yamamoto, Mitsuru; Inoue, Noriyuki; and Heki, Tatsuo, 4,859,579, Cl. 430-598.000.
Hirano, Shigeo; Inoue, Noriyuki; and Heki, Tatsuo, 4,877,723, Cl. 430-598.000.
Hiratsuka, Nobuo, 4,868,131, Cl. 436-525.000.
Hirose, Takeshi; Furutachi, Nobuo; Aoki, Kozo; Nakazyo, Kiyoshi; and Furusawa, Genichi, 4,840,878, Cl. 430-380.000.
Hirose, Takeshi; Ogawa, Tadashi; and Furutachi, Nobuo, 4,857,444, Cl. 430-505.000.
Hiruma, Toshihiko; Takahashi, Hiroshi; and Kato, Norihiko, 4,861,698, Cl. 430-272.000.

Hiruma, Toshihiko; and Takahashi, Hiroshi, 4,863,831, Cl. 430-271.000.
Hoda, Yoshihiko; and Ogura, Nobuhiko, 4,830,503, Cl. 356-446.000.
Honjoh, Akira, 4,839,758, Cl. 360-99.060.
Horie, Ikutaro; Ishiyama, Masashi; and Tomizuka, Teiichi, 4,853,262, Cl. 428-13.000.
Horie, Seiji; Makino, Naonori; and Sato, Hideo, 4,814,245, Cl. 430-59.000.
Horiguchi, Masashi; and Yakubo, Minoru, 4,843,431, Cl. 355-34.000.
Horiguchi, Masashi; Yakubo, Minoru; Yokota, Masanori; and Oshima, Hideharu, 4,843,435, Cl. 355-100.000.
Horiguchi, Masashi; Yakubo, Minoru; Tamura, Yoshikazu; and Ogasawara, Mamoru, 4,853,747, Cl. 355-51.000.
Horikawa, Hiroshi; Kudo, Yoshio; Ezuka, Daigo; and Shoji, Takashi, 4,884.259, Cl. 369-32.000.
Horikawa, Kazuo, 4,803,409, Cl. 318-310.000.
Horikawa, Kazuo, 4,817,098, Cl. 372-29.000.
Horikawa, Kazuo, 4,847,499, Cl. 250-327.200.
Horikawa, Kazuo, 4,868,388, Cl. 250-327.200.
Horikawa, Kazuo, 4,876,452, Cl. 250-327.200.
Horikawa, Kazuo, 4,885,467, Cl. 250-327.200.
Hosoi, Noriyuki, 4,803,144, Cl. 430-106.600.
Hosoi, Noriyuki, 4,869,990, Cl. 430-110.000.
Hosoi, Noriyuki, 4,877,708, Cl. 430-126.000.
Hosoi, Yuichi; and Miyahara, Junji, 4,803,359, Cl. 250-327.200.
Hosoi, Yuichi; Takahashi, Kenji; and Mori, Nobufumi, 4,851,677, Cl. 250-327.200.
Hosoi, Yuichi; Arakawa, Satoshi; Ishizaka, Hideo; Matsuda, Terumi; and Takahashi, Kenji, 4,864,134, Cl. 250-327.200.
Hosoi, Yuichi; Takahashi, Kenji; Mori, Nobufumi; and Noguchi, Masaru, 4,866,274, Cl. 250-327.200.
Hosoi, Yuichi; and Takahaski, Kenji, 4,873,438, Cl. 250-327.200.
Hosoi, Yuichi; Arakawa, Satoshi; and Takahashi, Kenji, 4,879,202, Cl. 430-139.000.
Hosoi, Yuichi; and Takahashi, Kenji, 4,880,987, Cl. 250-484.100.
Hosoi, Yuichi; and Miyahara, Junji, 4,889,990, Cl. 250-327.200.
Ichijima, Seiji; and Hirano, Shigeo, 4,814,261, Cl. 430-544.000.
Ichijima, Seiji; Usui, Hideo; and Yamada, Kohzaburoh, 4,818,668, Cl. 430-505.000.
Ichijima, Seiji; and Mihayashi, Keiji, 4,824,772, Cl. 430-544.000.
Ichijima, Seiji; Shimada, Yasuhiro; and Arakawa, Jun, 4,837,136, Cl. 430-543.000.
Ichikawa, Koji; Soga, Norikazu; and Ohnishi, Hirofumi, 4,864,856, Cl. 73-290.00V.
Idota, Yoshio; Karino, Yukio; Hayashi, Hiroshi; and Tomiyama, Hideki, 4,798,779, Cl. 430-202.000.
Igarashi, Akira; Shimomura, Akihiro; and Serizawa, Shinichiro, 4,797,384, Cl. 503-200.000.
Igarashi, Akira, 4,797,385, Cl. 503-207.000.
Igarashi, Akira, 4,822,771, Cl. 503-226.000.
Igarashi, Akira; Satomura, Masato; and Iwakura, Ken, 4,855,278, Cl. 503-208.000.
Ihama, Mikio; Shuto, Sadanobu; Tani, Tadaaki; and Deguchi, Naoyasu, 4,828,972, Cl. 430-596.000.
Iida, Shinobu; Fujiyama, Masaaki; Komine, Shigeo; and Yamada, Keisuke, 4,888,212, Cl. 427-130.000.
Iida, Toshiharu; and Serizawa, Akio, 4,825,290, Cl. 358-209.000.
Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Ushiro, Seimei, 4,829,384, Cl. 358-229.000.
Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Masuda, Akira, 4,862,280, Cl. 358-229.000.
Iizuka, Shinji, 4,815,723, Cl. 271-14.000.
Ikeda, Hideo; Fujita, Munehisa; Ishimaru, Shingo; Ayato, Hiroshi; and Urabe, Shigeharu, 4,806,461, Cl. 430-567.000.
Ikeda, Hideo; and Suga, Shuzo, 4,818,669, Cl. 430-509.000.
Ikeda, Hideo; Suga, Shuzo; and Miyasaka, Nobuaki, 4,853,323, Cl. 430-569.000.
Ikeda, Kenji; and Igarashi, Akira, 4,833,121, Cl. 503-214.000.
Ikeda, Kenji; Iwakura, Ken; and Takashima, Masanobu, 4,882,311, Cl. 503-208.000.
Ikeda, Kensuke; Yanagihara, Naoto; and Iwakura, Ken, 4,839,332, Cl. 503-212.000.
Ikeda, Tadashi; Ogawa, Tadashi; and Okazaki, Masaki, 4,822,726, Cl. 430-550.000.
Ikeda, Tadashi; and Ogawa, Tadashi, 4,837,140, Cl. 430-550.000.
Ikegawa, Akihiko; Ohashi, Yuichi; and Okazaki, Masaki, 4,889,796, Cl. 430-549.000.
Imai, Masaru; Ohtsuka, Shuichi; and Watanabe, Izumi, 4,864,351, Cl. 355-245.000.
Inaba, Hiroo; Ushimaru, Akira; Yamamoto, Nobuyuki; Hibino, Noburo; and Iwamoto, Kenzo, 4,861,674, Cl. 428-480.000.
Inagaki, Yoshio; and Shishido, Tadao, 4,822,891, Cl. 548-365.000.
Inagaki, Yoshio; and Inoue, Nobuaki, 4,824,764, Cl. 430-264.000.
Inagaki, Yoshio; Hioki, Takanori; Makino, Naonori; Adachi, Keiichi; and Suzuki, Yoshiaki, 4,851,322, Cl. 430-270.000.
Inagaki, Yoshio; Adachi, Keiichi; and Suzuki, Yoshiaki, 4,885,228, Cl. 430-270.000.
Inoue, Nobuaki; and Sasaoka, Senzo, 4,824,774, Cl. 430-566.000.
Inoue, Nobuaki; Sasaoka, Senzo; and Hayashi, Hiroshi, 4,849,319, Cl. 430-264.000.
Inoue, Noriyuki; and Heki, Tatsuo, 4,801,520, Cl. 430-378.000.
Inoue, Noriyuki; Idota, Yoshio; and Yagihara, Morio, 4,803,146, Cl. 430-248.000.
Inoue, Noriyuki; Heki, Tatsuo; and Hirano, Shigeo, 4,835,091, Cl. 430-378.000.
Inoue, Noriyuki; Heki, Tatsuo; and Kojima, Tetsuro, 4,871,653, C 430-409.000.
Inoue, Noriyuki; and Heki, Tatsuo, 4,880,727, Cl. 430-378.000.
Ishigaki, Kunio; Yoshimura, Yuji; Kanetake, Satoshi; and Tongo Masaaki, 4,822,727, Cl. 430-536.000.
Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiich Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, 4,879,20 Cl. 430-512.000.
Ishige, Sadao; Usami, Toshimasa; Kamikawa, Hiroshi; and Tanaka Toshiharu, 4,842,979, Cl. 430-138.000.
Ishiguro, Minoru; and Takahashi, Minoru, 4,839,685, C 354-403.000.
Ishiguro, Minoru, 4,868,591, Cl. 354-402.000.
Ishiguro, Shoji; Hirano, Shigeo; Shishido, Tadao; and Miyake Akio, 4,873,172, Cl. 430-264.000.
Ishii, Yoshiyuki; and Shimizu, Shigehisa, 4,860,964, Cl. 242-57.10
Ishikawa, Hiromi, 4,796,965, Cl. 350-6.800.
Ishikawa, Minoru, 4,797,710, Cl. 355-27.000.
Ishikawa, Minoru, 4,877,710, Cl. 430-138.000.
Ishikawa, Shunichi, 4,842,978, Cl. 430-138.000.
Ishikawa, Shunichi, 4,880,721, Cl. 430-138.000.
Ishikawa, Takatoshi; Fujimoto, Hiroshi; Ohki, Nobutaka; an Yagihara, Morio, 4,798,783, Cl. 430-372.000.
Ishikawa, Takatoshi; and Yagihara, Morio, 4,801,516, C 430-380.000.
Ishikawa, Takatoshi; Furusawa, Genichi; and Hirose, Takesh 4,830,948, Cl. 430-372.000.
Ishikawa, Takatoshi; Koshimizu, Toshio; Fujita, Yoshihiro; an Fujimoto, Hiroshi, 4,835,092, Cl. 430-380.000.
Ishikawa, Takatoshi; and Sakai, Nobuo, 4,845,016, Cl. 430-372.00
Ishikawa, Takatoshi; and Nakajima, Junya, 4,851,326, C 430-380.000.
Ishikawa, Takatoshi; Ohki, Nobutaka; and Yagihara, Mori 4,863,836, Cl. 430-372.000.
Ishikawa, Takatoshi; and Yagihara, Morio, 4,876,174, C 430-380.000.
Ishikawa, Takatoshi; and Nakajima, Junya, 4,880,728, C 430-380.000.
Ishikuro, Tadashi; and Fujiyama, Masaaki, 4,812,330, C 427-128.000.
Ishikuro, Tadashi; Mochizuki, Kouiti; and Fujiyama, Masaa 4,851,288, Cl. 428-329.000.
Ishizaka, Hideo, 4,831,247, Cl. 250-205.000.
Ishizuka, Seiji, 4,863,765, Cl. 427-420.000.
Itabashi, Masamichi, 4,874,687, Cl. 430-446.000.
Itakura, Toru, 4,886,967, Cl. 250-327.200.
Itoh, Isamu; Ono, Mitsunori; Kobayashi, Hidetoshi; an Yamakawa, Kazuyoshi, 4,831,152, Cl. 548-224.000.
Itoh, Isamu; and Mihayashi, Keiji, 4,845,020, Cl. 430-445.00
Itoh, Isamu; Ono, Mitsunori; and Inagaki, Yoshio, 4,888,268, C 430-218.000.
Iwamoto, Shoji; Mizuta, Akira; Irie, Tadashi; and [illegible] Masanori, 4,814,927, Cl. 360-133.000.
Iwasa, Masakazu; and Morita, Kazuhiko, 4,807,078, C 360-133.000.
Iwasa, Masakazu; and Morita, Kazuhiko, 4,864,451, C 360-133.000.
Iwase, Yoshiki; Nakadai, Katsuo; Miyake, Izumi; Kane Kiyotaka; and Oda, Kazuya, 4,804,925, Cl. 329-50.000.
Iwase, Yoshiki; and Kobayashi, Yasuhito, 4,812,910, C 358-310.000.
Iwase, Yoshiki; and Kobayashi, Yasuhito, 4,873,581, C 358-310.000.
Iwata, Yuzo; Makiuchi, Hajime; and Kitajima, Masao, 4,884,2 Cl. 364-497.000.
Kaida, Shinichi, 4,857,941, Cl. 346-76.0PH.
Kakimi, Fujio, 4,833,062, Cl. 430-138.000.
Kakimi, Fujio, 4,842,977, Cl. 430-138.000.
Kakimi, Fujio, 4,871,641, Cl. 430-138.000.
Kakimi, Fujio; and Ishikawa, Shunichi, 4,888,265, Cl. 430-138.0
Kakuta, Takeshi; and Miyoshi, Takahito, 4,859,500, C 427-128.000.
Kamada, Koh; Hashimoto, Hiroshi; and Okita, Tsutomu, 4,810,4 Cl. 264-22.000.
Kamiyama, Kozi; Okazaki, Yoji; Okazaki, Masaki; Kubodera Seiiti; and Takeuchi, Syozo, 4,830,447, Cl. 350-96.120.
Kamiyama, Kozi; and Okazaki, Yoji, 4,838,638, Cl. 350-96.10
Kanai, Masaharu; Yamazaki, Yasuo; Kameyama, Nobuyuki; Ito Yoshihiro; Sato, Muneyoshi; and Yokota, Mitsuo, 4,825,23 C 354-106.000.
Kanayama, Toshikiyo, 4,855,760, Cl. 346-108.000.
Kaneko, Kiyotaka; Oda, Kazuya; Takahashi, Kimihide; an Miyake, Izumi, 4,800,448, Cl. 360-35.100.
Kaneko, Kiyotaka, 4,868,642, Cl. 358-76.000.
Kaneko, Yujiro, 4,816,382, Cl. 430-320.000.
Kanzaki, Hisao; and Ohba, Hisao, 4,875,067, Cl. 354-325.00
Karasawa, Hiroyuki, 4,824,194, Cl. 350-96.100.
Katagiri, Shingo; Mori, Keiji; and Asai, Masahiko, 4,840,326, C 242-199.000.
Katagiri, Shingo; Odate, Seizi; and Onmori, Shozo, 4,862,305, C 360-132.000.
Kataoka, Hideaki; Murai, Ashita; and Haishi, Akira, 4,823,155, C 354-86.000.
Kato, Eiichi; Ishii, Kazuo; Itakura, Ryosuke; and Sera, Hidefu 4,828,952, Cl. 430-87.000.

Kato, Eiichi; Dan, Shigeyuki; Ishibashi, Hiroshi; Ishii, Kazuo; and Sera, Hidefuji, 4,840,865, Cl. 430-.14.000.
Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; Dan, Shigeyuki; and Sera, Hidefumi, 4,842,975, Cl. 430-137.000.
Kato, Eiichi; and Ishii, Kazuo, 4,857,431, Cl. 430-91.000.
Kato, Eiichi; Ishii, Kazuo; and Itakura, Ryosuke, 4,871,638, Cl. 430-96.000.
Kato, Eiichi; and Ishii, Kazuo, 4,880,716, Cl. 430-49.000.
Kato, Hisatoyo; and Agano, Toshitaka, 4,864,135, Cl. 250-327.200.
Kato, Keishi, 4,827,309, Cl. 355-256.000.
Katoh, Kazunobu, 4,800,150, Cl. 430-264.000.
Katoh, Kazunobu, 4,839,258, Cl. 430-264.000.
Katoh, Takayuki; Hosoi, Yuichi; and Takahashi, Kenji, 4,871,474, Cl. 252-301.40H.
Katsuda, Satoshi; and Torii, Shumpeita, 4,814,619, Cl. 250-327.200.
Kawabe, Yasumasa; Uenishi, Kazuya; and Kokubo, Tadayoshi, 4,863,828, Cl. 430-191.000.
Kawada, Ken; and Ishikawa, Minoru, 4,809,599, Cl. 100-176.000.
Kawada, Yukihiro; and Nakayama, Yoshiaki, 4,883,360, Cl. 356-402.000.
Kawagishi, Toshio; and Nakazyo, Kiyoshi, 4,882,266, Cl. 430-546.000.
Kawaguchi, Hideo; and Takayanagi, Takashi, 4,850,683, Cl. 350-350.00R.
Kawakami, Chikuni, 4,827,357, Cl. 358-310.000.
Kawakami, Chikuni; and Shimanuki, Koji, 4,864,435, Cl. 360-66.000.
Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, 4,833,118, Cl. 503-208.000.
Kawakami, Hiroshi; and Igarashi, Akira, 4,885,271, Cl. 503-214.000.
Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, 4,888,321, Cl. 503-208.000.
Kawamma, Kouichi; Abe, Yukio; Higashi, Tatsuji; and Aotani, Yoshimasa, 4,837,128, Cl. 430-281.000.
Kawamura, Kazushige, 4,876,734, Cl. 382-54.000.
Kawanishi, Naoyuki, 4,835,004, Cl. 427-13.000.
Kido, Keishiro; Saito, Yoshio; Koizumi, Takashi; and Seshimoto, Osamu, 4,801.434, Cl. 422-100.000.
Kido, Keishiro; and Tezuka, Sigeru, 4,869,114, Cl. 73-864.240.
Kido, Keishiro; and Saito, Yoshio, 4,873,059, Cl. 422-100.000.
Kikuchi, Yasushi; and Matsuzawa, Hideki, 4,889,564, Cl. 134-21.000.
Kimura, Akinori; Yoda, Akira; and Sato, Yoshimitsu, 4,809,642, Cl. 118-662.000.
Kimura, Akinori; and Yoda, Akira, 4,875,080, Cl. 355-246.000.
Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,862,358, Cl. 364-413.000.
Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,862,360, Cl. 364-413.010.
Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,868,746, Cl. 364-413.130.
Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,868,749, Cl. 364-413.130.
Kimura, Tsutomu; Hishinuma, Kazuhiro; and Shiraishi, Misashi, 4,871,913, Cl. 250-327.500.
Kimura, Tsutomu; and Watanabe, Yukio, 4,873,441, Cl. 250-327.200.
Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,884,200, Cl. 364-413.130.
Kishida, Seiichiro; and Sato, Minoru, 4,814,264, Cl. 430-567.000.
Kishida, Seiichiro; and Sato, Minoru, 4,888,272, Cl. 430-569.000.
Kishimoto, Shinzo; Nishikawa, Toshihiro; Abe, Akira; and Nakajima, Junya, 4,798,784, Cl. 430-382.000.
Kishimoto, Shinzo; and Ohno, Shigeru, 4,845,017, Cl. 430-393.000.
Kita, Nobuyuki; and Imai, Masanori, 4,845,009, Cl. 430-176.000.
Kitada, Akira; and Iwasaki, Nobuyuki, 4,835,396, Cl. 250-483.100.
Kitamoto, Tatsuji; Yokoyama, Katsuya; and Sekiguchi, Takuji, 4,875,610, Cl. 226-10.000.
Kitatani, Katsugi; and Hoshi, Satoshi, 4,871,637, Cl. 430-77.000.
Kitatani, Katsugi; and Hoshi, Satoshi, 4,882,249, Cl. 430-56.000.
Kobayashi, Kesanao; Ohba, Hisao; and Toyama, Tadao, 4,837,131, Cl. 430-302.000.
Kobayashi, Kiyotaka; Tabei, Masatoshi; Arashi, Madoka; and Mizobuchi, Yuzo, 4,825,293, Cl. 358-228.000.
Kobayashi, Kiyotaka; Shizukuishi, Makoto; and Tabei, Masatoshi, 4,829,368, Cl. 358-41.000.
Kobayashi, Shunsuke, 4,812,018, Cl. 350-341.000.
Kogane, Mikio; and Otake, Katsumi, 4,866,476, Cl. 355-40.000.
Koike, Mitsuru; and Kawamura, Koichi, 4,810,618, Cl. 430-281.000.
Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, 4,844,946, Cl. 427-48.000.
Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, 4,874,633, Cl. 427-48.000.
Kondo, Ryuji, 4,821,104, Cl. 358-213.180.
Kose, Junichi; and Seto, Nobuyuki, 4,841,321, Cl. 354-324.000.
Koshimizu, Toshio; and Mihayashi, Keiji, 4,820,623, Cl. 430-376.000.
Koyanagi, Yoshihiro; Imamura, Takashi; and Sasaki, Gen, 4,833,487, Cl. 346-1.100.
Kubodera, Seiiti; and Nakamine, Takeshi, 4,873,220, Cl. 503-227.000.
Kubodera, Seiiti; and Minagawa, Nobuhiko, 4,886,775, Cl. 503-227.000.
Kubota, Jun, 4,803,561, Cl. 358-285.000.
Kubota, Kazuo; and Sakaguchi, Masaaki, 4,838,496, Cl. 242-67.10R.
Kubota, Kazuo; and Sakaguchi, Masaaki, 4,842,210, Cl. 242-67.10R.
Kunichika, Kenji; Matsumoto, Hiroshi; and Shingu, Akira, 4,840,875, Cl. 430-309.000.
Kurabayashi, Hiroyuki; and Ono, Minoru, 4,851,328, Cl. 430-536.000.
Kurokawa, Toshio, 4,869,657, Cl. 417-423.140.
Kurokawa, Toshio, 4,889,271, Cl. 226-186.000.
Kushima, Hiroshi; and Ishizaka, Hideo, 4,839,683, Cl. 354-322.000.
Kuwabara, Kenichi; Takahashi, Toshiro; Adachi, Keiichi; and Okada, Masahiro, 4,830,950, Cl. 430-264.000.
Kuwabara, Kenichi; and Inagaki, Yoshio, 4,865,947, Cl. 430-264.000.
Maemori, Takashi, 4,837,817, Cl. 358-224.000.
Maemoto, Kazuo; Iwasaki, Masayuki; Maeda, Minoru; and Aotani, Yoshimasa, 4,876,173, Cl. 430-271.000.
Makino, Katsumi; Sasaki, Noboru; and Takahashi, Koji, 4,806,459, Cl. 430-544.000.
Makino, Katsumi; Ohashi, Yuichi; Takehara, Hiroshi; Suga, Yoichi; and Shiozawa, Takekimi, 4,853,322, Cl. 430-567.000.
Makino, Naonori; Hioki, Takanori; Inagaki, Yoshio; and Horie, Seiji, 4,840,862, Cl. 430-75.000.
Masaaki, Sakaguchi; and Kubota, Kazuo, 4,864,122, Cl. 250-223.00R.
Masuda, Nobuhito, 4,810,394, Cl. 210-767.000.
Masuda, Nobuhito; and Igarashi, Takeshi, 4,855,108, Cl. 422-56.000.
Masuda, Nobuhito; Nagatomo, Shigeru; Makiuchi, Hajime; and Yasuda, Yukio, 4,861,552, Cl. 422-56.000.
Matsuda, Nobuaki; Kokubo, Tadayoshi; Aoai, Toshiaki; Umehara, Akira; and Aotani, Yoshimasa, 4,842,986, Cl. 430-270.000.
Matsuda, Terumi; and Torii, Shumpeita, 4,816,369, Cl. 430-139.000.
Matsuda, Terumi; Aagano, Toshitaka; Miyahara, Junji; Nakajima, Nobuyoshi; and Saotome, Shigeru, 4,818,880, Cl. 250-327.200.
Matsuda, Tsukasa; Ui, Kazuo; and Maeda, Hiroshi, 4,874,089, Cl. 206-397.000.
Matsufuji, Akihiro; and Komine, Shigeo, 4,839,225, Cl. 428-336.000.
Matsumoto, Fumio; Terashita, Takaaki; and Sakamoto, Kiichiro, 4,827,109, Cl. 235-375.000.
Matsumoto, Fumio, 4,827,526, Cl. 382-1.000.
Matsumoto, Fumio, 4,845,551, Cl. 358-80.000.
Matsumoto, Fumio, 4,864,149, Cl. 250-561.000.
Matsumoto, Takashi, 4,821,126, Cl. 360-66.000.
Matsumoto, Takashi, 4,853,633, Cl. 324-210.000.
Matsuoka, Katsumi; Sano, Shojiro; Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,870,048, Cl. 503-211.000.
Matsuoka, Katsumi; Ikeda, Kensuke; and Iwakura, Ken, 4,871,713, Cl. 503-209.000.
Matsushita, Toshihiro; and Satoh, Shin-ichi, 4,829,249, Cl. 324-212.000.
Mifune, Hiroyuki; Shishido, Tadao; and Suzuki, Yoshiaki, 4,801,524, Cl. 430-569.000.
Mifune, Hiroyuki, 4,845,023, Cl. 430-569.000.
Mihara, Yuji; and Ishigaki, Kunio, 4,801,525, Cl. 430-518.000.
Miida, Takashi; and Ozaki, Nozomu, 4,833,636, Cl. 364-819.000.
Miida, Takashi, Kondo, Ryuji; Murayama, Jin; Tabei, Masatoshi; and Ozaki, Nozomu, 4,849,619, Cl. 250-201.000.
Mikami, Takeshi, 4,824,754, Cl. 430-110.000.
Mikoshiba, Nobuo; Tsubouchi, Kazuo; and Nagao, Makoto, 4,799,244, Cl. 377-58.000.
Minoura, Nobuo; Nakadai, Katsuo; Harase, Toshikatsu; and Iwamatsu, Satoshi, 4,803,573, Cl. 360-78.130.
Minoura, Nobuo; and Nakadai, Katsuo, 4,812,922, Cl. 360-10.100.
Miura, Toshihiko; Fujiyama, Masaaki; and Kakuishi, Yutaka, 4,844,991, Cl. 428-694.000.
Miyagawa, Ichirou, 4,832,446, Cl. 350-162.120.
Miyagawa, Ichirou, 4,844,584, Cl. 350-166.000.
Miyakawa, Tadashi, 4,862,285, Cl. 358-451.000.
Miyake, Isumi; Kaneko, Kiyotaka; Konishi, Masahiro; Horio, Motohiko; and Ogata, Kazutsugu, 4,8′2,020, Cl. 358-342.000.
Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,803,568, Cl. 360-33.100.
Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, 4,825,324, Cl. 360-35.100.
Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, 4,827,332, Cl. 358-29.000.
Miyake, Izumi; Kaneko, Kiyotaka; Oda, Kazuya; and Nakadai, Katsuo, 4,835,631, Cl. 360-77.040.
Miyamoto, Kimiaki, 4,842,900, Cl. 427-348.000.
Miyasaka, Nobuaki; Ikeda, Hideo; Sakai, Minoru; Ohno, Shigeru; and Mukunoki, Yasuo, 4,818,675, Cl. 430-567.000.
Miyasaka, Nobuaki; Yokoyama, Shigeki; Suga, Shuzo; Naoi, Takashi; and Satake, Masaki, 4,859,576, Cl. 430-523.000.
Miyasaka, Nobuaki; and Suga, Shuzo, 4,873,181, Cl. 430-523.000.
Miyasaka, Tsutomu; Okazaki, Masaki; and Sugimoto, Tadao, 4,820,606, Cl. 430-139.000.
Miyasaka, Tsutomu; Okazaki, Masaki; and Sugimoto, Tadao, 4,876,183, Cl. 430-567.000.
Miyata, Junji; Kuwabara, Kenichi; Takahashi, Toshiro; Inagaki, Yoshio; and Hirano, Shigeo, 4,847,180, Cl. 430-264.000.
Mizuta, Akira, 4,839,953, Cl. 29-225.000.
Mizuta, Akira; and Fujiwara, Morio, 4,853,817, Cl. 360-133.000.
Mizuta, Akira, 4,854,569, Cl. 271-98.000.
Mizutani, Shigemitsu; Yamaguchi, Jun; and Miyakama, Tadashi, 4,833,488, Cl. 346-76.0PH.
Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro,

Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, Cl. 354-75.000.
Momoki, Yasuhito; and Hasebe, Kazunori, 4,803,152, Cl. 430-567.000.
Momoki, Yasuhito; Asami, Masahiro; Sakai, Nobuo; and Otani, Shigeaki, 4,853,321, Cl. 430-380.000.
Mori, Keiji; and Ishii, Osami, 4,796,114, Cl. 360-84.000.
Mori, Nobufumi; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,801,801, Cl. 250-327.200.
Mori, Nobufumi; Katoh, Takayuki; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,810,886, Cl. 250-311.000.
Mori, Nobufumi, 4,847,497, Cl. 250-327.200.
Mori, Nobufumi; Hosoi, Yuichi; and Takahashi, Kenji, 4,851,676, Cl. 250-327.200.
Mori, Nobufumi; Katoh, Takayuki; Oikawa, Tetsuo; Harada, Yoshiyasu; and Miyahara, Junji, 4,873,440, Cl. 250-327.200.
Morigaki, Masakazu; and Seto, Nobuo, 4,808,515, Cl. 430-551.000.
Morigaki, Masakazu; and Seto, Nobuo, 4,868,101, Cl. 430-551.000.
Morimoto, Kiyoshi; and Ishikawa, Takatoshi, 4,800,153, Cl. 430-360.000.
Morimoto, Kiyoshi; and Naruse, Hideaki, 4,851,325, Cl. 430-372.000.
Morita, Naoyuki, 4,864,352, Cl. 355-27.000.
Moritake, Makoto; and Ohtsuka, Shuichi, 4,825,254, Cl. 355-71.000.
Moriyama, Motonori; Fujimura, Ikuo; Tanaka, Tsutomu; and Watanabe, Takeshi, 4,804,992, Cl. 354-471.000.
Mukunoki, Yasuo; and Maekawa, Yukio, 4,847,186, Cl. 430-523.000.
Murai, Ashita; Mifune, Hiroyuki; and Heki, Tatsuo, 4,863,845, Cl. 430-569.000.
Muraishi, Katsuaki; Yaginuma, Nakatsugu; Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, 4,855,109, Cl. 422-63.000.
Muramatsu, Akira, 4,823,186, Cl. 358-43.000.
Muramatsu, Akira, 4,876,591, Cl. 358-43.000.
Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi, Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, 4,864,460, Cl. 361-220.000.
Murase, Masakazu; and Ishizaka, Hideo, 4,803,367, Cl. 250-236.000.
Murayama, Jin; Miida, Takashi; and Kondo, Ryuji, 4,803,706, Cl. 377-63.000.
Mutoh, Hideki, 4,860,326, Cl. 377-58.000.
Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, 4,865,878, Cl. 427-131.000.
Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, 4,868,070, Cl. 428-626.000.
Nagao, Makoto; Sano, Kunihiko; Yamanaka, Fusao; and Nahara, Akira, 4,869,797, Cl. 204-192.160.
Nagumo, Akihiko; Ishikawa, Minoru; and Kawada, Ken, 4,799,085, Cl. 355-27.000.
Nagumo, Akihiko; and Ishikawa, Minoru, 4,809,598, Cl. 100-156.000.
Nagumo, Akihiko, 4,819,032, Cl. 355-27.000.
Nagumo, Akihiko, 4,821,072, Cl. 355-27.000.
Nagumo, Akihiko; and Ishikawa, Minoru, 4,825,041, Cl. 219-244.000.
Nagumo, Akihiko; and Yoshino, Shigeru, 4,853,743, Cl. 355-27.000.
Naito, Hideki; and Ozaki, Hiroyuki, 4,814,254, Cl. 430-203.000.
Naito, Hideki; and Ozaki, Hiroyuki, 4,816,363, Cl. 430-69.000.
Naito, Hideo; Matsuda, Tsukasa; and Uchiyama, Katsuhiko, 4,821,876, Cl. 242-71.100.
Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,811,133, Cl. 360-77.030.
Nakajima, Kenji, 4,837,045, Cl. 427-13.000.
Nakajima, Nobuyoshi; Nagata, Takehumi; and Tanaka, Hiroshi, 4,804,841, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,804,842, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,806,756, Cl. 250-327.200.
Nakajima, Nobuyoshi; and Fujiwara, Shigemi, 4,810,887, Cl. 250-327.200.
Nakajima, Nobuyoshi; Adachi, Yuuma; and Ishida, Masamitsu, 4,816,680, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,820,922, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,827,128, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,843,240, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,851,701, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,853,540, Cl. 250-327.200.
Nakajima, Nobuyoshi, 4,860,116, Cl. 358-447.000.
Nakajima, Nobuyoshi, 4,873,437, Cl. 250-327.200.
Nakamura, Koki, 4,840,887, Cl. 430-564.000.
Nakamura, Koki; Sakanoue, Kei; and Ichijima, Seiji, 4,886,736, Cl. 430-359.000.
Nakamura, Shigeru; Minoda, Minoru; and Shiba, Keisuke, 4,839,257, Cl. 430-207.000.
Nakamura, Takashi; and Takahashi, Kenji, 4,801,806, Cl. 250-484.100.
Nakamura, Takashi, 4,835,398, Cl. 250-484.100.
Nakamura, Taku, 4,797,343, Cl. 430-138.000.
Nakamura, Taku; Hirano, Tsumoru; and Funatsu, Eiji, 4,820,610, Cl. 430-270.000.
Nakamura, Taku, 4,822,717, Cl. 430-254.000.
Nakamura, Taku, 4,824,756, Cl. 430-138.000.
Nakamura, Taku, 4,885,227, Cl. 430-254.000.
Nakanishi, Haruo; and Sakaki, Hirokazu, 4,833,065, Cl. 430-276.000.
Nakashima, Hiroshi; Kawarada, Masayuki; and Fukuhara, Sanshirou, 4,836,429, Cl. 226-7.000.
Nakauchi, Kenji, 4,870,506, Cl. 358-296.000.
Nakayama, Keiji; Ushiro, Seimei; and Ohmura, Hiroshi, 4,831,398, Cl. 354-212.000.
Nakayama, Yoshiaki; and Ohta, Takahiro, 4,829,388, Cl. 360-35.100.
Namiki, Tomizo; Suzuki, Kazuo; and Shinozaki, Fumiaki, 4,877,712, Cl. 430-256.000.
Narang, Subhash C., 4,888,257, Cl. 429-192.000.
Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; and Moriya, Ikuro, 4,871,456, Cl. 210-321.840.
Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, 4,876,007, Cl. 210-339.000.
Negishi, Kenji; Sasaki, Hidemi; and Fujishiro, Takeshi, 4,873,598, Cl. 360-106.000.
Nishijima, Yasunori, 4,805,052, Cl. 360-97.010.
Nishikawa, Tetsuo, 4,878,986, Cl. 156-504.000.
Nishikawa, Toshihiro; and Abe, Akira, 4,804,617, Cl. 430-393.000.
Nishikawa, Yasuo; and Yoneyama, Masakazu, 4,830,906, Cl. 428-335.000.
Nishikawa, Yasuo; Matsufuji, Akihiro; Masuyama, Kenichi; and Kakuishi, Yutaka, 4,847,156, Cl. 428-425.900.
Nishikawa, Yasuo; Miyazuka, Hajime; and Tsuji, Nobuo, 4,857,402, Cl. 428-336.000.
Nishimura, Mizuho; Watase, Nobuo; Sakaguchi, Yasunobu; and Kogane, Mikio, 4,862,779, Cl. 83-123.000.
Nishioka, Akira; Kamei, Masayuki; and Umaba, Toshihiko, 4,822,713, Cl. 430-175.000.
Nishioka, Akira; Hirano, Toshimi; and Akiyama, Keiji, 4,845,008, Cl. 430-165.000.
Nishitoku, Yukitsugu, 4,876,569, Cl. 355-68.000.
Nishiyama, Mikio, 4,795,946, Cl. 315-370.000.
Nishiyama, Mikio; and Akimoto, Taizo, 4,837,626, Cl. 358-183.000.
Nishiyama, Mikio; Yoshino, Tatsuo; and Akimoto, Taizo, 4,841,371, Cl. 358-244.000.
Noguchi, Masaru, 4,800,276, Cl. 250-327.200.
Noguchi, Masaru, 4,806,753, Cl. 250-235.000.
Noguchi, Masaru; Miyagawa, Ichirou; and Horikawa, Kazuo, 4,807,992, Cl. 356-121.000.
Noguchi, Masaru; and Miyagawa, Ichirou, 4,832,469, Cl. 350-404.000.
Oda, Kazutaka, 4,887,365, Cl. 34-60.000.
Oda, Shohei; Seshimoto, Osamu; Sueyoshi, Tohru; and Amano, Hiroyuki, 4,877,582, Cl. 422-68.000.
Ogata, Yasuhiro, 4,837,196, Cl. 503-200.000.
Ogawa, Hiroshi; Mizuno, Chiaki; and Tamai, Yasuo, 4,803,120, Cl. 428-323.000.
Ogawa, Hiroshi; Saito, Shinji; Miura, Toshihiko; Yamazaki, Nobuo; and Araki, Hiroaki, 4,851,289, Cl. 428-329.000.
Ogawa, Hiroshi; and Tamai, Yasuo, 4,857,388, Cl. 428-212.000.
Ogawa, Hiroshi; Saito, Shinji; and Miura, Toshihiko, 4,863,793, Cl. 428-323.000.
Ogawa, Masashi, 4,806,434, Cl. 428-474.400.
Ogawa, Masazumi, 4,864,710, Cl. 29-429.000.
Ogawa, Tadashi; Takahashi, Koji; and Taguchi, Seiichi, 4,806,460, Cl. 430-504.000.
Ogawa, Tadashi, 4,818,674, Cl. 430-567.000.
Ogawa, Tadashi; and Takahashi, Osamu, 4,857,449, Cl. 430-546.000.
Ogiso, Takasi; Monma, Yoshiyuki; and Aono, Toshiaki, 4,857,961, Cl. 355-27.000.
Ogiwara, Nagao, 4,827,284, Cl. 346-25.000.
Ogiwara, Nagao; and Nagumo, Akihiko, 4,827,312, Cl. 355-27.000.
Ogura, Nobuhiko, 4,823,169, Cl. 356-446.000.
Ohara, Shinichiro; and Naruo, Kyoichi, 4,837,127, Cl. 430-270.000.
Ohara, Yuji; Watanabe, Hideo; and Shoji, Takashi, 4,814,791, Cl. 346-108.000.
Ohara, Yuji; and Watanabe, Hideo, 4,858,019, Cl. 358-474.000.
Ohara, Yuji, 4,876,556, Cl. 346-108.000.
Ohashi, Yuichi; Shibahara, Yoshihiko; Makino, Katsumi; and Takehara, Hiroshi, 4,835,095, Cl. 430-567.000.
Ohba, Hisao; Takekoshi, Tomoaki; and Kunichika, Kenji, 4,882,246, Cl. 430-30.000.
Ohga, Kunihiko; and Saeki, Keiso, 4,822,768, Cl. 503-214.000.
Ohga, Kunihiko; and Saeki, Keiso, 4,888,334, Cl. 503-214.000.
Ohgoda, Makoto; and Nakajima, Nobuyoshi, 4,855,598, Cl. 250-327.200.
Ohgoda, Makoto; and Agano, Toshitaka, 4,855,599, Cl. 250-327.200.
Ohgoda, Makoto, 4,861,995, Cl. 250-327.200.
Ohgoda, Makoto, 4,870,285, Cl. 250-484.100.
Ohishi, Hirohiko, 4,887,343, Cl. 29-445.000.
Ohki, Nobutaka; Seto, Nobuo; Naruse, Hideaki; Yagihara, Morio; Andoh, Kazuto; Ishikawa, Takatoshi; and Fujimoto, Hiroshi, 4,801,521, Cl. 430-380.000.
Ohki, Nobutaka; Andoh, Kazuto; and Fujimoto, Hiroshi, 4,833,068, Cl. 430-484.000.
Ohmatsu, Hideki; and Hirai, Hiroyuki, 4,839,272, Cl. 430-617.000.
Ohmura, Hiroshi; and Ushiro, Seimei, 4,811,110, Cl. 358-256.000.
Ohmura, Hiroshi; Asano, Seiji; and Yoshida, Toshio, 4,812,863, Cl. 354-219.000.
Ohmura, Hiroshi; Matsumoto, Yasuo; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,833,495, Cl. 354-212.000.
Ohmura, Hiroshi; Ushiro, Seimei; Hara, Hiroshi; Asano, Seiji; and Yoshida, Toshio, 4,855,774, Cl. 354-203.000.

Ohnishi, Masahiro, 4,806,946, Cl. 346-1.100.
Ohnishi, Masahiro; Ogura, Nobuhiko; and Muraishi, Katsuaki, 4,886,968, Cl. 250-327.200.
Ohno, Shigeru; Mihara, Yuji; and Adachi, Keiichi, 4,839,265, Cl. 430-522.000.
Ohta, Noboru; Takahashi, Koji; Suzuki, Tsuneo; and Tsugita, Makoto, 4,796,086, Cl. 358-80.000.
Ohta, Noboru; Takahashi, Koju; and Suzuki, Tsuneo, 4,872,034, Cl. 355-77.000.
Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, 4,831,461, Cl. 358-296.000.
Ohtsuka, Shuichi; and Yoda, Akira, 4,851,877, Cl. 355-256.000.
Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,836,652, Cl. 350-334.000.
Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,842,379, Cl. 350-347.00E.
Oishi, Kengo, 4,796,135, Cl. 360-130.330.
Oishi, Kengo; and Suzuki, Osamu, 4,797,768, Cl. 360-132.000.
Oishi, Kengo, 4,812,939, Cl. 360-135.000.
Oishi, Kengo; and Suzuki, Osamu, 4,825,320, Cl. 360-132.000.
Oishi, Kengo; and Suzuki, Osamu, 4,832,285, Cl. 242-198.000.
Oishi, Kengo, 4,840,760, Cl. 264-245.000.
Oishi, Kengo, 4,844,378, Cl. 242-199.000.
Oishi, Kengo, 4,886,220, Cl. 242-188.000.
Oka, Yutaka, 4,830,947, Cl. 430-138.000.
Oka, Yutaka, 4,879,200, Cl. 430-138.000.
Okada, Kazuo; and Nakayama, Yoshiaki, 4,819,093, Cl. 360-78.060.
Okada, Kazuo; and Konishi, Masahiro, 4,858,032, Cl. 360-91.000.
Okamura, Hisashi; and Kawamoto, Hiroshi, 4,828,974, Cl. 430-623.000.
Okamura, Hisashi; Kobayashi, Hidetoshi; Nishikawa, Toshihiro; and Tamoto, Koji, 4,863,841, Cl. 430-555.000.
Okazaki, Masaki; and Takei, Haruo, 4,800,154, Cl. 430-570.000.
Okazaki, Masaki; and Yamanouchi, Junichi, 4,839,269, Cl. 430-570.000.
Okazaki, Masaki; and Inagaki, Yoshio, 4,853,328, Cl. 435-28.000.
Okazaki, Yoji; Sunagawa, Hiroshi; and Kamiyama, Kozi, 4,830,448, Cl. 350-96.130.
Okino, Yoshiharu, 4,810,603, Cl. 430-30.000.
Okino, Yoshiharu, 4,885,608, Cl. 355-107.000.
Okita, Tsutomu, 4,800,458, Cl. 360-135.000.
Okita, Tsutomu; Aonuma, Masashi; and Hashimoto, Hiroshi, 4,812,351, Cl. 428-141.000.
Okita, Tsutomu, 4,873,138, Cl. 428-336.000.
Okita, Tsutomu; Nakahara, Hiromi; and Ogawa, Hiroshi, 4,874,636, Cl. 427-130.000.
Okutsu, Eiichi, 4,828,968, Cl. 430-398.000.
Okutsu, Eiichi; Yagihara, Morio; Hirano, Mitsunori; and Hayashi, Katsumi, 4,833,064, Cl. 430-267.000.
Okutsu, Eiichi; and Hirano, Mitsunori, 4,859,567, Cl. 430-265.000.
Okutsu, Eiichi; and Watase, Kazumi, 4,863,830, Cl. 430-264.000.
Okuzawa, Tugio; and Kawada, Ken, 4,809,049, Cl. 355-28.000.
Okuzawa, Tugio, 4,888,617, Cl. 355-203.000.
Ono, Masaru, 4,825,387, Cl. 364-518.000.
Ono, Masaru, 4,839,825, Cl. 364-518.000.
Ono, Mitsunori; Tamoto, Koji; Mihayashi, Keiji; Ichijima, Seiji; Itoh, Isamu; and Nakamura, Yoshisada, 4,842,985, Cl. 430-226.000.
Ono, Shuji, 4,849,631, Cl. 250-327.200.
Ono, Shuji; and Yamamoto, Masafumi, 4,873,435, Cl. 250-235.000.
Ono, Shuji, 4,877,955, Cl. 250-239.000.
Ono, Tsuyoshi; and Seto, Kunihira, 4,855,857, Cl. 360-133.000.
Ono, Tuyoshi, 4,796,138, Cl. 360-133.000.
Otake, Katsumi; and Iwakami, Nobuyuki, 4,805,039, Cl. 358-335.000.
Ozaki, Hiroyuki; and Kawata, Ken, 4,876,184, Cl. 430-607.000.
Ozawa, Takashi; and Kobayashi, Hidetoshi, 4,874,688, Cl. 430-546.000.
Ozawa, Yoshio; Yamamoto, Takashi; Shigaki, Takao; and Kaneko, Rokusaburo, 4,876,568, Cl. 355-56.000.
Ozawa, Yoshio; and Shigaki, Takao, 4,886,352, Cl. 355-28.000.
Ryoke, Katsumi; Takahashi, Masatoshi; Okutu, Toshimitu; and Kosha, Hideaki, 4,803,121, Cl. 428-329.000.
Ryoke, Katsumi; Okutu, Toshimitu; Takahashi, Masatoshi; and Yamada, Yasuyuki, 4,868,060, Cl. 428-422.800.
Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Hanai, Kazuko, 4,880,692, Cl. 428-323.000.
Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Yoneyama, Takashi, 4,880,693, Cl. 428-323.000.
Saeki, Keiso; Takashima, Masanobu; Iwakura, Ken; Sugiyama, Takekatsu; and Satomura, Masato, 4,800,193, Cl. 503-217.000.
Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,803,192, Cl. 503-212.000.
Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,861,748, Cl. 503-208.000.
Saeki, Keiso; Sano, Shojiro; Matsuoka, Katsumi; Takashima, Masanobu; and Iwakura, Ken, 4,876,233, Cl. 503-209.000.
Saeki, Naomi; Inoue, Nobuaki; Ukai, Toshinao; and Mihara, Yuji, 4,820,625, Cl. 430-596.000.
Saito, Hirokazu; Takano, Kozo; Ushirokoji, Kiyoyuki; and Igarashi, Shigeo, 4,869,104, Cl. 73-299.000.
Saito, Naoki; and Harada, Toru, 4,888,322, Cl. 503-215.000.
Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, 4,806,417, Cl. 428-323.000.
Saito, Shinji; Ogawa, Hiroshi; Matsufuji, Akihiro; and Tamai, Yasuo, 4,820,581, Cl. 428-323.000.
Saito, Shinji; Mizuno, Chiaki; Ono, Toshio; and Ogawa, Hiroshi, 4,865,924, Cl. 428-694.000.
Saito, Tokukazu; and Ishida, Masamitsu, 4,814,618, Cl. 250-327.200.
Saito, Tokukazu; and Ishida, Masamitsu, 4,847,498, Cl. 250-327.200.
Saitou, Mitsuo; Urabe, Shigeharu; and Ozeki, Katsuhisa, 4,797,354, Cl. 430-567.000.
Sakaguchi, Masaaki; Usui, Mitsunobu; and Takagi, Akira, 4,817,884, Cl. 242-67.10R.
Sakaguchi, Masaaki; and Kiuchi, Seiji, 4,828,196, Cl. 242-67.10R.
Sakaguchi, Masaaki; and Wakatsuki, Keisuke, 4,828,197, Cl. 242-67.10R.
Sakaguchi, Masaaki; Usui, Mitsunobu; Chikamasa, Hiroshi; Wakatsuki, Keisuke; and Kiuchi, Seiji, 4,844,370, Cl. 242-67.10R.
Sakaguchi, Masaaki; and Usui, Mitsunobu, 4,846,420, Cl. 242-76.000.
Sakaguchi, Masaaki; Kita, Akihisa; and Wakatsuki, Keisuke, 4,863,110, Cl. 242-56.00R.
Sakaguchi, Masaaki; and Usui, Mitsunobu, 4,867,388, Cl. 242-67.10R.
Sakaguchi, Shinji; and Tan, Shiro, 4,883,739, Cl. 430-192.000.
Sakai, Minoru; and Adachi, Keiichi, 4,865,957, Cl. 430-505.000.
Sakanoue, Kei; Ichijima, Seiji; and Kishimoto, Shinzo, 4,812,389, Cl. 430-382.000.
Sakanoue, Kei; and Ichijima, Seiji, 4,842,994, Cl. 430-543.000.
Sakanoue, Kei; and Kobayashi, Hidetoshi, 4,865,959, Cl. 430-548.000.
Sano, Kunihiko; Nagao, Makoto; Nahara, Akira; Nishikawa, Yasuo; and Iwasaki, Hiroyuki, 4,840,843, Cl. 428-336.000.
Sano, Shojiro; and Saeki, Keiso, 4,820,684, Cl. 503-212.000.
Sano, Shojiro; and Saeki, Keiso, 4,840,927, Cl. 503-201.000.
Sano, Shojiro; and Saeki, Keiso, 4,849,397, Cl. 503-217.000.
Saotome, Shigeru, 4,814,616, Cl. 250-327.200.
Saotome, Shigeru, 4,816,688, Cl. 250-484.100.
Saotome, Shigeru, 4,816,923, Cl. 358-292.000.
Saotome, Shigeru, 4,835,387, Cl. 250-327.200.
Saotome, Shigeru, 4,841,147, Cl. 250-327.200.
Saotome, Shigeru; and Ishida, Masamitsu, 4,843,241, Cl. 250-327.200.
Saotome, Shigeru; Ishida, Masamitsu; Shimura, Kazuo; and Watanabe, Hideo, 4,851,675, Cl. 250-327.200.
Saotome, Shigeru; and Nakajima, Nobuyoshi, 4,857,733, Cl. 250-327.200.
Saotome, Shigeru; Kimura, Tsutomu; and Nakajima, Nobuyoshi, 4,861,994, Cl. 250-327.200.
Saotome, Shigeru; and Nakajima, Nobuyoshi, 4,870,277, Cl. 250-327.200.
Saotome, Shigeru; and Ishida, Masamitsu, 4,882,489, Cl. 250-327.200.
Sasaki, Akihiko; and Atsumi, Hiroaki, 4,841,382, Cl. 360-32.000.
Sasaki, Hidemi; Kaneko, Kiyotaka; and Kobayashi, Naoki, 4,835,635, Cl. 360-96.500.
Sasaki, Hidemi; and Kobayashi, Naoki, 4,835,639, Cl. 360-99.060.
Sasaki, Hidemi; and Kobayashi, Naoki, 4,860,136, Cl. 360-99.050.
Sasaki, Hidemi; and Kobayashi, Naoki, 4,864,446, Cl. 360-106.000.
Sasaki, Jun; Adachi, Atsushi; Naruo, Kyoichi; Shinagawa, Yukio; and Ohtani, Sumio, 4,840,733, Cl. 210-500.410.
Sasaki, Noboru; and Shiba, Keisuke, 4,827,298, Cl. 354-228.000.
Sasaki, Noboru; and Shiba, Keisuke, 4,849,325, Cl. 430-505.000.
Sasaoka, Senzo; Inoue, Nobuaki; and Okutsu, Eiichi, 4,839,259, Cl. 430-264.000.
Sasaoka, Senzo; Yoshida, Tetsuo; and Inoue, Nobuaki, 4,873,173, Cl. 430-964.000.
Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,824,759, Cl. 430-203.000.
Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, 4,830,957, Cl. 430-562.000.
Sato, Kozo; Ishikawa, Shunichi; and Kawata, Ken, 4,835,272, Cl. 544-158.000.
Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, 4,837,142, Cl. 430-562.000.
Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,845,018, Cl. 430-203.000.
Sato, Kozo; and Harada, Toru, 4,864,024, Cl. 544-35.000.
Sato, Kozo; Ohno, Shigeru; and Yamada, Sumito, 4,877,720, Cl. 430-512.000.
Sato, Kozo; and Nakamura, Yoshisada, 4,880,730, Cl. 430-520.000.
Sato, Shingo; Nakamura, Yoshisada; and Tamoto, Koji, 4,824,773, Cl. 430-557.000.
Satomura, Masato; Iwakura, Ken; and Igarashi, Akira, 4,847,236, Cl. 503-208.000.
Satomura, Masato; Iwakura, Ken; Takashima, Masanobu; and Igarashi, Akira, 4,855,282, Cl. 503-218.000.
Satou, Hiroyuki, 4,806,983, Cl. 355-129.000.
Satou, Hiroyuki, 4,857,962, Cl. 355-29.000.
Sawano, Mitsuru; and Yabe, Masao, 4,860,273, Cl. 369-100.000.
Sekine, Takashi, 4,824,239, Cl. 353-66.000.
Seshimoto, Osamu; Terashima, Masaaki; and Saito, Yoshio, 4,842,712, Cl. 204-416.000.
Seto, Izumi; Tsuyuki, Mikio; and Takashima, Yutaka, 4,878,799, Cl. 414-331.000.
Seto, Kimio; and Ohgoda, Makoto, 4,802,618, Cl. 229-68.00R.
Seto, Kunihira, 4,809,114, Cl. 360-133.000.

Seto, Nobuo; and Morigaki, Masakazu, 4,864,039, Cl. 549-344.000.
Shiba, Keisuke; and Shiraishi, Hisashi, 4,866,469, Cl. 354-202.000.
Shiba, Keisuke; Ichijima, Seiji; Sakanoue, Kei; and Taguchi, Seiichi, 4,880,726, Cl. 430-376.000.
Shibata, Norio; Sato, Tsunehiko; Takeda, Hideo; and Chino, Naoyoshi, 4,796,557, Cl. 118-62.000.
Shidara, Shinichi, 4,881,095, Cl. 354-298.000.
Shimada, Yasuhiro; Fukuzawa, Hiroshi; and Ichijima, Seiji, 4,883,746, Cl. 430-504.000.
Shimizu, Masayuki; and Yoshikawa, Sumio, 4,800,275, Cl. 250-317.100.
Shimomura, Akihiro; and Usami, Toshimasa, 4,820,682, Cl. 503-207.000.
Shimomura, Akihiro; and Ikeda, Kenji, 4,826,807, Cl. 503-226.000.
Shimomura, Akihiro; Usami, Toshimasa; and Hatakeyama, Seiji, 4,845,071, Cl. 503-205.000.
Shimura, Kazuo, 4,815,078, Cl. 371-30.000.
Shimura, Kazuo, 4,816,681, Cl. 250-327.200.
Shimura, Kazuo, 4,829,181, Cl. 250-327.200.
Shimura, Kazuo; Mori, Nobufumi; Saotome, Shigeru; Yoshimura, Ryoichi; Watanabe, Hideo; and Hosoi, Yuichi, 4,835,386, Cl. 250-327.200.
Shimura, Kazuo, 4,855,597, Cl. 250-327.200.
Shimura, Kazuo; and Ishida, Masamitsu, 4,857,732, Cl. 250-327.200.
Shimura, Kazuo; and Ishida, Masamitsu, 4,859,849, Cl. 250-327.200.
Shimura, Kazuo, 4,885,468, Cl. 250-327.200.
Shimura, Kazuo, 4,887,305, Cl. 382-51.000.
Shinada, Hidetoshi, 4,882,607, Cl. 357-19.000.
Shinada, Toru, 4,796,085, Cl. 358-75.000.
Shinada, Toru, 4,802,025, Cl. 360-36.200.
Shinada, Toru, 4,843,472, Cl. 358-164.000.
Shiota, Kazuo, 4,875,071, Cl. 355-20.000.
Shiozawa, Etsuo; Kato, Keishi; and Yoshimi, Yoshiki, 4,863,543, Cl. 156-235.000.
Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,837,733, Cl. 364-413.130.
Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,852,050, Cl. 364-414.000.
Shiraishi, Hisashi; Miyahara, Junji; and Kato, Hisatoyo, 4,865,967, Cl. 435-6.000.
Shiraishi, Hisashi, 4,880,984, Cl. 250-484.100.
Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,888,695, Cl. 364-413.130.
Shizukuishi, Makoto; and Kondo, Ryuji, 4,841,348, Cl. 357-30.000.
Shizukuishi, Makoto; Mutoh, Hideki; and Kondo, Ryuji, 4,866,002, Cl. 437-34.000.
Shoji, Ryo; Fujikura, Chozo; Takizawa, Kazushige; and Sakaki, Hirokazu, 4,822,715, Cl. 430-155.000.
Shoji, Takashi, 4,835,781, Cl. 372-29.000.
Shoji, Takashi; Tomita, Takenori; and Watanabe, Hideo, 4,849,980, Cl. 372-29.000.
Soga, Takashi; and Hirobe, Hitoshi, 4,821,127, Cl. 360-66.000.
Soga, Takashi, 4,851,936, Cl. 360-66.000.
Suganuma, Atsushi, 4,853,535, Cl. 250-235.000.
Sugaya, Fumio, 4,800,762, Cl. 73-864.240.
Sugaya, Fumio, 4,814,279, Cl. 435-289.000.
Sugaya, Fumio, 4,857,272, Cl. 422-65.000.
Sugihara, Mitsuru; and Suyefuji, Mineo, 4,834,854, Cl. 204-182.800.
Sugihara, Mitsuru; and Ogawa, Masashi, 4,844,786, Cl. 204-299.00R.
Sugimoto, Naohiko; and Fujita, Akira, 4,883,577, Cl. 204-299.00R.
Sugiyama, Tuyoshi; Takeda, Hideo; Sato, Tsunehiko; and Chikamasa, Hiroshi, 4,887,623, Cl. 134-64.00R.
Sunagawa, Hiroshi; and Kamiyama, Kozi, 4,797,867, Cl. 369-45.000.
Sunagawa, Hiroshi; Kawajiri, Kazuhiro; Nozaki, Nobuharu; Hosoi, Yuichi; and Takahashi, Kenji, 4,816,679, Cl. 250-327.200.
Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,833,561, Cl. 360-114.000.
Sunagawa, Hiroshi; Suhara, Toshiaki; and Nishihara, Hiroshi, 4,868,803, Cl. 369-44.000.
Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,885,732, Cl. 369-44.000.
Suzuki, Akihiro; and Takagi, Akira, 4,858,265, Cl. 15-100.000.
Suzuki, Kenji, 4,809,061, Cl. 358-75.000.
Suzuki, Kenji, 4,812,879, Cl. 355-38.000.
Suzuki, Kenji, 4,837,711, Cl. 364-523.000.
Suzuki, Kenji, 4,866,475, Cl. 355-38.000.
Suzuki, Tamotsu; Shinozaki, Fumiaki; Nishioka, Akira; and Totsuka, Mikio, 4,803,145, Cl. 430-166.000.
Tabei, Masatoshi; and Kawajiri, Kazuhiro, 4,802,001, Cl. 358-48.000.
Tabei, Masatoshi; and Kawajiri, Kazuhiro, 4,814,865, Cl. 358-48.000.
Tabei, Masatoshi; and Kawajiri, Kazuhiro, 4,821,088, Cl. 358-48.000.
Tabei, Masatoshi, 4,847,692, Cl. 358-213.110.
Tabei, Masatoshi, 4,858,025, Cl. 358-310.000.
Tabei, Masatoshi; Ikeda, Mitsuru; and Nakajima, Yosuke, 4,860,076, Cl. 357-30.000.
Tabei, Masatoshi, 4,870,494, Cl. 358-213.190.
Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,086, Cl. 353-79.000.
Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,087, Cl. 353-79.000.
Tahara, Syuji, 4,806,990, Cl. 355-77.000.
Tahara, Syuji, 4,837,602, Cl. 355-29.000.
Tahara, Syuji; Sakamoto, Kiichiro; Oshikoshi, Yuji; and Takagi, Kunio, 4,849,809, Cl. 358-75.000.
Tahara, Toshiro; and Iwasaki, Hideo, 4,837,713, Cl. 364-525.000.
Tahara, Toshiro; and Takahashi, Mikio, 4,858,468, Cl. 73-149.000.
Tajima, Kenji; and Arai, Noboru, 4,799,591, Cl. 206-455.000.
Tajima, Kenji; and Kushima, Hiroshi, 4,848,764, Cl. 271-90.000.
Tajima, Kenji; Takahashi, Motoaki; Watanabe, Hideo; Shoji, Takashi; and Arai, Noboru, 4,853,724, Cl. 354-277.000.
Tajima, Kenji; Kushima, Hiroshi; and Yamada, Sadami, 4,860,042, Cl. 354-277.000.
Tajima, Kenji, 4,876,706, Cl. 378-174.000.
Takagi, Kunio; and Matsumoto, Takashi, 4,801,973, Cl. 355-27.000.
Takagi, Yoshihiro; Okada, Hisashi; Yagihara, Morio; and Katoh, Kazunobu, 4,851,321, Cl. 430-264.000.
Takahashi, Ippei; and Iida, Akihisa, 4,868,403, Cl. 250-563.000.
Takahashi, Isao; and Ohta, Takahiro, 4,802,017, Cl. 358-335.000.
Takahashi, Isao, 4,866,513, Cl. 358-76.000.
Takahashi, Kazuo, 4,797,644, Cl. 355-10.000.
Takahashi, Kenji; Nakamura, Takashi; and Hosoi, Yuichi, 4,876,161, Cl. 428-691.000.
Takahashi, Koichi; Okutsu, Kazuo; Ide, Yoshihiro; Takei, Hiroshi; Ishida, Yukio; and Harada, Kazumasa, 4,862,579, Cl. 04862567729-.000.
Takahashi, Motoaki, 4,840,369, Cl. 271-276.000.
Takahashi, Osamu; Ogawa, Tadashi; Sakai, Minoru; and Toriuchi, Masaharu, 4,797,349, Cl. 430-372.000.
Takahashi, Ryuichi, 4,889,786, Cl. 430-138.000.
Takahashi, Toshiro; Kuwabara, Kenichi; and Okada, Masahiro, 4,803,149, Cl. 430-264.000.
Takahashi, Toshiro; Kuwabara, Kenichi; Kameoka, Kimitaka; and Okada, Masahiro, 4,818,659, Cl. 430-264.000.
Takahashi, Younosuke; and Kuriyama, Takayuki, 4,883,741, Cl. 430-270.000.
Takamiya, Shuiti; and Sakaki, Hirokazu, 4,801,527, Cl. 430-166.000.
Takamura, Mashashi; Kobayashi, Kiyotaka; Sato, Tokuji; and Naka, Yoji, 4,868,593, Cl. 354-403.000.
Takasaki, Yoshimi, 4,816,678, Cl. 250-327.200.
Takasaki, Yoshimi; Yamaguchi, Akira; and Yoshimura, Ryoichi, 4,882,490, Cl. 250-236.000.
Takase, Haruo; Uenaka, Kazushige; Abe, Akira; and Fujita, Yoshihiro, 4,857,950, Cl. 354-324.000.
Takashima, Masanobu; Iwakura, Ken; Satomura, Masato; and Matsuoka, Katsumi, 4,808,566, Cl. 503-217.000.
Takashima, Yutaka; Tsuyuki, Mikio; and Seto, Izumi, 4,811,546, Cl. 53-266.00R.
Takayama, Naoto; Tsunekawa, Yuzo; and Kitamura, Kazum 4,802,554, Cl. 184-14.000.
Takayanagi, Takashi; and Kawaguchi, Hideo, 4,810,433, Cl. 264-22.000.
Takayanagi, Takashi; and Kawaguchi, Hideo, 4,842,380, Cl. 350-351.000.
Takeda, Keiji; and Hayakawa, Yoshihide, 4,859,568, Cl. 430-269.000.
Takei, Hisashi; Ohmura, Hiroshi; Ushiro, Seimei; Mochida, Mitsuyoshi; Nakamura, Yoshihiko; Asano, Seiji; and Yoshida, Toshio, 4,890,130, Cl. 354-288.000.
Takekoshi, Tomoaki; Ohba, Hisao; and Kunichika, Kenji, 4,841,320, Cl. 354-299.000.
Takeo, Hideya, 4,870,694, Cl. 382-18.000.
Takimoto, Masaaki, 4,841,293, Cl. 340-763.000.
Tamada, Kazukiyo; Horio, Motohiko; and Sato, Kiyotaka, 4,806,964, Cl. 354-452.000.
Tamada, Kazukiyo, 4,853,806, Cl. 360-99.060.
Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,800,192, Cl. 503-200.000.
Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,803,191, Cl. 503-200.000.
Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,814,252, Cl. 430-138.000.
Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,830,928, Cl. 428-511.000.
Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, 4,859,577, Cl. 430-538.000.
Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,861,696, Cl. 430-138.000.
Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,865,941, Cl. 430-138.000.
Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,871,642, Cl. 430-138.000.
Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,871,643, Cl. 430-138.000.
Tamagawa, Shigehisa; Kuroishi, Masayuki; and Fuchizawa, Tetsuro, 4,876,170, Cl. 430-138.000.
Tamoto, Koji; and Ono, Mitsunori, 4,857,447, Cl. 430-544.000.
Tamura, Kaoru; and Aagano, Toshitaka, 4,851,679, Cl. 250-327.200.
Tanaka, Hirosi; and Saito, Tokukazu, 4,831,256, Cl. 250-327.200.
Tanaka, Kazuyoshi, 4,827,126, Cl. 250-235.000.
Tanaka, Kazuyoshi; and Hashiue, Masakazu, 4,837,687, Cl. 364-413.010.
Tanaka, Mitsugu; and Sakai, Takeo, 4,824,485, Cl. 106-22.000.
Tanaka, Mitsutoshi; Arai, Fuminori; Terashima, Kaoru; and Yaginuma, Nakatsugu, 4,871,679, Cl. 436-79.000.
Tanaka, Nobuyuki, 4,797,739, Cl. 358-133.000.
Tanaka, Nobuyuki, 4,797,944, Cl. 382-56.000.
Tanaka, Nobuyuki, 4,800,511, Cl. 364-521.000.
Tanaka, Nobuyuki, 4,805,030, Cl. 358-260.000.
Tanaka, Nobuyuki, 4,807,029, Cl. 358-133.000.
Tanaka, Nobuyuki, 4,807,042, Cl. 358-260.000.
Tanaka, Nobuyuki, 4,827,533, Cl. 382-54.000.
Tanaka, Nobuyuki, 4,853,778, Cl. 358-133.000.
Tanaka, Nobuyuki, 4,862,261, Cl. 358-133.000.
Tanaka, Nobuyuki, 4,862,262, Cl. 358-133.000.
Tanaka, Yasuhiko; Iwai, Fumio; Kobayashi, Hideo; and Komatsuzaki, Hiroshi, 4,829,328, Cl. 354-173.100.
Taniguchi, Isao, 4,841,339, Cl. 355-27.000.
Terahata, Masahiro, 4,889,794, Cl. 430-293.000.
Teraoka, Masanori, 4,851,690, Cl. 250-484.100.
Terashima, Kaoru; Miyazako, Takushi; and Katsuyama, Harumi, 4,839,278, Cl. 435-21.000.
Terashima, Masaaki, 4,865,698, Cl. 204-1.00T.
Terashita, Takaaki; and Iijima, Hideaki, 4,797,713, Cl. 355-77.000.
Terashita, Takaaki, 4,809,198, Cl. 364-525.000.
Terashita, Takaaki; Shigaki, Takao; and Yukawa, Keiko, 4,816,874, Cl. 355-38.000.
Terashita, Takaaki, 4,830,501, Cl. 356-402.000.
Terashita, Takaaki, 4,860,059, Cl. 355-38.000.
Terashita, Takaaki, 4,884,102, Cl. 355-77.000.
Tezuka, Shigeru, 4,861,411, Cl. 156-344.000.
Tezuka, Sigeru, 4,810,34, Cl. 204-182.800.
Tokuda, Kanji, 4,806,986, Cl. 355-38.000.
Tokuda, Kanji, 4,841,340, Cl. 355-38.000.
Tokuda, Kazuhiro; and Harase, Toshikatsu, 4,829,394, Cl. 360-75.000.
Tomiyama, Hideki; Horie, Ikutaro; and Satake, Masaki, 4,833,063, Cl. 430-216.000.
Tomiyama, Hideki, 4,859,564, Cl. 430-216.000.
Torii, Shumpeita, 4,810,874, Cl. 250-327.200.
Torii, Shumpeita; and Tamura, Kaoru, 4,833,325, Cl. 250-327.200.
Torii, Shumpeita; and Isozaki, Yutaka, 4,835,941, Cl. 53-382.000.
Torii, Shumpeita, 4,848,765, Cl. 271-274.000.
Torii, Shumpeita, 4,889,233, Cl. 206-455.000.
Toya, Ichizo; and Yasuda, Tomokazu, 4,812,391, Cl. 430-564.000.
Toyama, Tadao; Ohba, Hisao; and Kunichika, Kenji, 4,880,724, Cl. 430-302.000.
Tsubata, Yukihiro; and Shiino, Masaru, 4,859,120, Cl. 406-84.000.
Tsunekawa, Yuzo; Tsuruta, Hikaru; and Sato, Takehiko, 4,871,441, Cl. 204-409.000.
Tsunekawa, Yuzo; Ishida, Yukio; and Shiino, Tatsuo, 4,878,971, Cl. 156-70.000.
Tsuruta, Masao; Kiuchi, Seiji; Honjyoh, Akira; Oishi, Kengo; and Suzuki, Osamu, 4,841,403, Cl. 360-132.000.
Tsuyuki, Isao, 4,796,787, Cl. 222-64.000.
Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,831,401, Cl. 354-319.000.
Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,843,412, Cl. 354-275.000.
Uchiyama, Kaoru; Ishizuka, Tetuya; and Sakamoto, Kiichiro, 4,887,116, Cl. 354-320.000.
Ueda, Shinji; and Nakajima, Junya, 4,804,616, Cl. 430-379.000.
Ueda, Shinji; and Morimoto, Kiyoshi, 4,804,618, Cl. 430-393.000.
Ueda, Shinji; Mihayashi, Keiji; and Ichijima, Seiji, 4,818,664, Cl. 430-430.000.
Ueda, Shinji; Hasebe, Kazunori; and Nakajima, Junya, 4,818,673, Cl. 430-566.000.
Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, 4,797,193, Cl. 204-416.000.
Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, 4,832,817, Cl. 204-401.000.
Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, 4,882,544, Cl. 324-511.000.
Uenaka, Kazushige; Takase, Haruo; Utomo, Riuzi; and Akimoto, Masuo, 4,797,698, Cl. 354-275.000.
Uenishi, Kazuya; Kokubo, Tadayoshi; and Kawabe, Yasumasa, 4,871,645, Cl. 430-192.000.
Uesugi, Akio; Oda, Kazutaka; and Kakei, Tsutomu, 4,851,091, Cl. 204-129.460.
Uesugi, Akio; Kakei, Tsutomu; and Minato, Shinichiro, 4,872,946, Cl. 156-637.000.
Umegaki, Shinsuke; Okazaki, Yoji; and Kamiyama, Kozi, 4,820,011, Cl. 350-96.190.
Umemura, Shizuo, 4,822,673, Cl. 428-328.000.
Urabe, Hitoshi; Shigaki, Takao; and Shimazaki, Osamu, 4,841,362, Cl. 358-80.000.
Urabe, Hitoshi; Miyakawa, Tadashi; Shimazaki, Osamu; Kudo, Hisashi; and Kimura, Hideaki, 4,845,550, Cl. 358-80.000.
Urabe, Shigeharu, 4,879,208, Cl. 430-569.000.
Urabe, Yoshihiko; Higashi, Tatsuji; Takahashi, Hiroshi; and Kita, Nobuyuki, 4,874,686, Cl. 430-272.000.
Usami, Toshimasa; Hatakeyama, Seiji; and Shimomura, Akihiro, 4,840,933, Cl. 503-213.000.
Usami, Toshimasa; Shimomura, Akihiro; Tatsuta, Sumitaka; and Hatakeyama, Seiji, 4,857,501, Cl. 503-200.000.
Usami, Toshimasa; Tanaka, Toshiharu; and Hayashi, Takayuki, 4,865,939, Cl. 430-138.000.
Ushiro, Seimei; and Kaneko, Hiromi, 4,799,075, Cl. 354-289.100.
Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu; Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, 4,812,866, Cl. 354-288.000.
Wada, Toshihiko; and Matsuzawa, Hideki, 4,801,334, Cl. 134-21.000.
Waki, Kokichi, 4,830,956, Cl. 430-558.000.
Watanabe, Hideo, 4,805,973, Cl. 350-66.000.
Watanabe, Hideo; and Shoji, Takashi, 4,831,626, Cl. 372-29.000.
Watanabe, Hideo, 4,849,632, Cl. 250-327.200.
Watanabe, Izumi; and Yamana, Keiichi, 4,834,315, Cl. 242-199.000.
Watanabe, Izumi; and Yamana, Keiichi, 4,889,296, Cl. 242-199.000.
Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, 4,859,095, Cl. 400-124.000.
Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, 4,871,271, Cl. 400-124.000.
Watanabe, Mikio; Shimanuki, Koji; and Nishi, Seiki, 4,887,161, Cl. 358-224.000.
Watanabe, Yoshiyuki, 4,816,945, Cl. 360-99.070.
Yabe, Masao; and Takahashi, Yonosuke, 4,821,050, Cl. 346-137.000.
Yabe, Masao; and Inagaki, Yoshio, 4,832,992, Cl. 427-384.000.
Yabe, Masao, 4,876,557, Cl. 346-137.000.
Yagihara, Morio; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Andoh, Kazuto, 4,842,993, Cl. 430-380.000.
Yamada, Makoto, 4,853,312, Cl. 430-138.000.
Yamada, Makoto, 4,883,738, Cl. 430-138.000.
Yamada, Minoru, 4,800,408, Cl. 354-322.000.
Yamada, Minoru; and Toyoda, Takashi, 4,810,622, Cl. 430-420.000.
Yamada, Minoru; and Seto, Kunio, 4,826,757, Cl. 430-428.000.
Yamada, Minoru; and Seto, Kunio, 4,829,330, Cl. 354-322.000.
Yamada, Minoru; Toyoda, Takashi; and Seto, Kunio, 4,839,273, Cl. 430-634.000.
Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,849,633, Cl. 250-327.200.
Yamada, Sadami, 4,852,975, Cl. 250-327.200.
Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,868,387, Cl. 250-327.200.
Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,802,160, Cl. 369-284.000.
Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,808,456, Cl. 428-65.000.
Yamada, umito; Kawasaki, Hiroshi; and Satake, Masaki, 4,797,353, Cl. 430-434.000.
Yamada, Yasuyuki; and Miyatsuka, Hajime, 4,798,755, Cl. 428-141.000.
Yamada, Yasuyuki; Miyatsuka, Hajime; Okita, Tsutomu; and Tsuji, Nobuo, 4,837,081, Cl. 428-329.000.
Yamagishi, Kenichi; Horikawa, Kazuo; and Ishikawa, Hiromi, 4,802,177, Cl. 372-36.000.
Yamaguchi, Akira, 4,798,639, Cl. 156-73.100.
Yamaguchi, Akira, 4,822,445, Cl. 156-510.000.
Yamaguchi, Akira, 4,854,998, Cl. 156-248.000.
Yamaguchi, Kiyoshi; Yamazaki, Seiichi; and Ichikawa, Koji, 4,817,023, Cl. 364-525.000.
Yamaguchi, Kiyoshi; Endo, Azuchi; and Sakamoto, Kiichiro, 4,876,567, Cl. 355-20.000.
Yamaguchi, Nobutaka; Tadokoro, Eiichi; and Miyoshi, Takahito, 4,822,672, Cl. 428-323.000.
Yamaguchi, Nobutaka; Fujiyama, Masaaki; Suzuki, Masami; and Yamada, Yasuyuki, 4,840,842, Cl. 428-323.000.
Yamamoto, Ryoichi; Nomura, Masaaki; Yamada, Takashi; and Nahara, Akira, 4,837,118, Cl. 428-645.000.
Yamamoto, Shohei; and Kato, Yukito, 4,802,107, Cl. 364-525.000.
Yamamoto, Shohei, 4,888,612, Cl. 355-35.000.
Yamamoto, Shoichi, 4,820,398, Cl. 204-299.00R.
Yamamoto, Soichiro, 4,868,087, Cl. 430-138.000.
Yamamoto, Soichiro, 4,874,684, Cl. 430-138.000.
Yamamoto, Soichiro, 4,883,737, Cl. 430-138.000.
Yamamoto, Soichiro; and Kawata, Ken, 4,885,224, Cl. 430-138.000.
Yamana, Keiichi; Imai, Masaru; and Ohtsuka, Shuichi, 4,873,545, Cl. 355-256.000.
Yamanaka, Fusao; Nagao, Makoto; and Nahara, Akira, 4,867,101, Cl. 118-718.000.
Yamanouchi, Junichi; and Toriuchi, Masaharu, 4,861,852, Cl. 526-263.000.
Yamanouchi, Junichi; Ono, Shigetoshi; Hirano, Tsumoru; Watanabe, Toshiyuki; Sakai, Nobuo; and Mihayashi, Keiji, 4,874,689, Cl. 430-548.000.
Yamashita, Seiji; Ohshima, Naoto; and Takada, Shunji, 4,806,462, Cl. 430-604.000.
Yamazaki, Nobuo; and Kitamoto, Tatsuji, 4,876,022, Cl. 252-62.560.
Yamazaki, Takeshi; Yoshida, Nobuyuki; and Iizuka, Yasuhiro, 4,808,444, Cl. 427-420.000.
Yamazaki, Tsuneo; Saito, Tomoki; and Ayabe, Hideo, 4,854,518, Cl. 242-56.900.
Yanagihara, Naoto; Ikeda, Kensuke; Satomura, Masato; Wakata, Yuichi; and Iwakura, Ken, 4,835,133, Cl. 503-210.000.
Yasunaga, Tadashi; and Yanai, Akio, 4,801,500, Cl. 428-336.000.
Yasunaga, Tadashi; and Yanai, Akio, 4,873,154, Cl. 428-694.000.
Yasunaga, Tadashi; and Sasazawa, Koji, 4,876,113, Cl. 427-39.000.
Yasunaga, Tadashi; and Shirahata, Ryuji, 4,885,189, Cl. 427-129.000.
Yazawa, Kenichiro; Seshimoto, Osamu; Kitajima, Masao; and Kondo, Asaji, 4,877,579, Cl. 422-56.000.
Yokota, Minoru; and Kawasaki, Hiroshi, 4,851,121, Cl. 210-500.360.

- Yokota, Mitsuo; and Komatsuzaki, Hiroshi, 4,868,590, Cl. 354-195.100.
- Yokoya, Hiroaki; Sano, Kenji; Tachikawa, Hiromichi; and Sato, Hideo, 4,800,146, Cl. 430-73.000.
- Yoshida, Susumu; Takahashi, Hiroshi; Aoki, Hisashi; Kondow, Kiyohiro; and Mayuzumi, Tetsuya, 4,826,752, Cl. 430-155.000.
- Yoshida, Tetsuo; and Heki, Tatsuo, 4,857,445, Cl. 430-509.000.
- Yoshikawa, Sumio, 4,825,074, Cl. 250-317.100.
- Yoshimura, Ryoichi; and Kimura, Tsutomu, 4,806,758, Cl. 250-327.200.
- Yoshimura, Ryoichi; Torii, Shumpeita; and Yamada, Naoto, 4,889,989, Cl. 250-327.200.
- Yoshino, Shigeru; and Takagi, Atsushi, 4,825,257, Cl. 355-132.000.
- Yoshino, Shigeru, 4,843,414, Cl. 354-21.000.
- Yoshino, Shigeru, 4,871,160, Cl. 271-9.000.
- Yoshino, Shigeru, 4,887,124, Cl. 355-32.000.

Fuji Photo Film co., Ltd: *See—*
- Horiguchi, Masashi; and Yakubo, Minoru, 4,849,792, Cl. 355-72.000.
- Kitamura, Shiro; Koizumi, Junji; and Yamada, Kiyoshi, 4,816,670, Cl. 250-227.000.

Fuji Photo Optical Co., Ltd.: *See—*
- Horio, Motohiko; Kobayashi, Naoki; and Kaneko, Kouji, 4,814,876, Cl. 358-160.000.
- Ishiguro, Minoru, 4,814,810, Cl. 354-403.000.
- Miyake, Isumi; Kaneko, Kiyotaka; Konishi, Masahiro; Horio, Motohiko; and Ogata, Kazutsugu, 4,802,020, Cl. 358-342.000.

Fuji Rubber Co., Limited: *See—*
- Osawa, Yasuhisa; and Kimura, Yasuko, 4,800,243, Cl. 200-514.000.

Fuji Sangyo Co., Ltd.: *See—*
- Imazu, Ryuzo, 4,888,780, Cl. 371-31.000.

Fuji Seal industry Co., Ltd.: *See—*
- Takagaki, Nobuyuki, 4,801,348, Cl. 156-456.000.

Fuji Seiki Inc.: *See—*
- Noma, Hiroshi; and Fujiyasu, Hiroshi, 4,854,264, Cl. 118-719.000.

Fuji Seiki Machine Works, Ltd.: *See—*
- Kataoka, Shigeaki, 4,836,131, Cl. 118-220.000.
- Suzuki, Akira, 4,800,688, Cl. 51-439.000.
- Tsuchiya, Tomio, 4,858,554, Cl. 118-224.000.

Fuji Shashin Film Kabushiki Kaisha: *See—*
- Inagaki, Yoshio; and Okazaki, Masaki, 4,797,476, Cl. 534-727.000.

Fuji Spinning Co., Ltd.: *See—*
- Kawamura, Yoshihide; Tanibe, Hiroaki; Kurahashi, Itsuo; Seo, Hiroshi; and Nakajima, Saburo, 4,833,237, Cl. 536-20.000.

Fuji Systems Corp.: *See—*
- Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igarashi, Akira; and Kawaguchi, Nobuhisa, 4,814,231, Cl. 428-425.500.
- Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igaras, Akira; and Kawaguch, Nobuhisa, 4,834,721, Cl. 604-266.000.

Fuji Tekko Co., Ltd.: *See—*
- Hikuma, Hideo; and Yamada, Masaji, 4,796,462, Cl. 72-469.000.
- Maramatsu, Michiyasu, 4,828,070, Cl. 180-247.000.

Fuji Valve Co., Ltd.: *See—*
- Shida, Toshimitsu, 4,887,566, Cl. 123-90.510.

Fuji Xerox Co., Ltd.: *See—*
- Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,820,600, Cl. 430-58.000.
- Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,822,704, Cl. 430-58.000.
- Akasaki, Yutaka; Sato, Katsuhiro; Tokita, Akihiko; and Suto, Hidemi, 4,833,054, Cl. 430-59.000.
- Akasaki, Yutaka; Sato, Katsuhiro; Tanaka, Hiroyuki; Nukada, Katsumi; and Sudo, Hidemi, 4,833,263, Cl. 558-384.000.
- Akasaki, Yutaka; Yabuuchi, Naoya; and Ohki, Tatsuro, 4,846,893, Cl. 106-500.000.
- Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,889,924, Cl. 534-658.000.
- Akutsu, Eiichi; Soga, Hiroo; Saito, Hiroshi; Saito, Koichi; and Horie, Kiyoshi, 4,835,552, Cl. 346-139.00C.
- Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,871,639, Cl. 430-108.000.
- Asano, Fumio, 4,796,093, Cl. 358-280.000.
- Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, 4,833,505, Cl. 355-326.000.
- Hashimoto, Ken; and Akagi, Hideaki, 4,828,954, Cl. 430-110.000.
- Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, 4,841,312, Cl. 346-160.00R.
- Inoue, Yoshio; and Furuta, Haruo, 4,834,246, Cl. 206-631.000.
- Ishino, Masahiro, 4,869,712, Cl. 493-416.000.
- Ito, Hisao; Nobue, Mamoru; Nishihara, Yoshio; and Suzuki, Teiichi, 4,819,082, Cl. 358-294.000.
- Karakida, Ken-ichi; and Yagi, Shigeru, 4,873,165, Cl. 430-66.000.
- Kato, Nobuhisa, 4,801,948, Cl. 346-76.0PH.
- Kunisaki, Toshiharu; and Higuchi, Masamori, 4,860,425, Cl. 29-527.400.
- Maeno, Satoru; Inoue, Kenji; Tanaka, Masaaki; and Ogita, Akira, 4,796,054, Cl. 355-8.000.
- Marugama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, Toshiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; and Nobumasa, Furuya, 4,882,247, Cl. 430-45.000.
- Masuda, Koji; Suemitsu, Yuji; and Asano, Kazuo, 4,875,060, Cl. 346-155.000.
- Matsumura, Yasuo; Aoki, Takayoshi; Takeda, Masayuki; Suzuki Chiaki; and Nagatsuka, Ikutaroh, 4,859,558, Cl. 430-110.000.
- Mori, Ikuo, 4,799,086, Cl. 355-3.0DD.
- Moriguchi, Haruhiko; and Toshiharu, Inui, 4,809,063, Cl. 358-75.000.
- Murofushi, Toshiaki; Ohya, Yasuhiro; Nakazawa, Hiroshi; and Oyamada, Koichi, 4,837,100, Cl. 430-106.600.
- Murofushi, Toshiaki; Nakazawa, Hiroshi; Oyamada, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; and Ohya, Yasuhiro, 4,880,719, Cl. 430-106.600.
- Nagaoka, Daiji, 4,856,074, Cl. 382-22.000.
- Nagatsuka, Ikutaroh; Matsumura, Yasuo; Takeda, Masayuki; Suzuki, Chiaki; and Aoki, Takayoshi, 4,868,083, Cl. 430-108.000.
- Nobue, Mamoru; Ozawa, Takashi; Ito, Hisao; and Nishihara, Yoshio, 4,802,012, Cl. 358-213.180.
- Ozawa, Takashi, 4,797,571, Cl. 307-311.000.
- Ozawa, Takashi, 4,876,585, Cl. 357-24.000.
- Saito, Koichi; Akutsu, Eiichi; Fujimura, Yoshihiko; and Inoue, Nanao, 4,799,068, Cl. 346-1.100.
- Saito, Koichi; Fujimura, Yoshihiko; and Inoue, Nanao, 4,881,09 Cl. 346-140.00R.
- Seto, Tetsuo, 4,868,779, Cl. 364-900.000.
- Shimizu, Norimitu; and Ikeda, Chikaho, 4,882,620, Cl. 358-75.000.
- Suto, Toshihiko; and Suzuki, Katsuo, 4,801,974, Cl. 355-14.0FU.
- Takahashi, Koji, 4,822,024, Cl. 271-296.000.
- Tanaka, Hiroshi, 4,858,018, Cl. 358-456.000.
- Tanaka, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; Murofushi, Toshiaki; and Kimura, Takaaki, 4,797,340, Cl. 430-109.000.
- Tei, Sadahiro, 4,829,353, Cl. 357-30.000.
- Teshigawara, Toru; Terao, Kazuo; Watanabe, Hiroshi; and Shimizu, Yukihiko, 4,803,565, Cl. 358-300.000.
- Yamada, Kunio; and Ito, Masao, 4,796,961, Cl. 350-6.800.
- Yeh, Ching-Fa; Misawa, Yasunao; and Yatsuda, Yuji, 4,818,719, C 437-057.000.

Fuji Yakuhin Kogyo Kabushiki Kaisha: *See—*
- Aburatani, Masakazu; Takeuchi, Tadashi; and Mori, Kenji, 4,861,875, Cl. 540-114.000.

Fuji, Yasuhiro: *See—*
- Ishi, Masayoshi; and Fuji, Yasuhiro, 4,865,293, Cl. 254-2.00R.

Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences: *See—*
- Chuangtian, Chen; Yicheng, Wu; Aidong, Jiang; Bochang, Wu; and Guming, You, 4,826,283, Cl. 350-96.120.

Fujian Teachers University: *See—*
- Zhang, Wengong; Chen, Wending; and Chen, Tianan, 4,816,54 Cl. 556-182.000.

Fujibayashi, Akio: *See—*
- Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroai; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.

Fujie, Hiroshi: *See—*
- Matsui, Hideo; and Fujie, Hiroshi, 4,842,796, Cl. 264-184.000.

Fujie, Masakatsu: *See—*
- Kamejima, Kohji; Nakano, Yoshiyuki; Fujie, Masakatsu; Iwamoto, Taro; and Yamamoto, Hiroshi, 4,799,267, Cl. 382-1.000.

Fujie, Naoka: *See—*
- Kato, Mamoru; Maekawa, Kouji; Matsunobu, Kenichi; Fujie, Naoka; and Hazama, Hiroyuki, 4,826,750, Cl. 430-122.000.

Fujie, Tohru; and Hirose, Yoshio, to Atsugi Motor Parts Company Limited. Vane pump with positioning pins for cam ring. 4,842,5 6-27-89, Cl. 418-133.000.

Fujieda, Fumitaka: *See—*
- Furuta, Hideya; Sakai, Yoshihiro; Mamizuka, Mitsuru; and Fujieda, Fumitaka, 4,796,050, Cl. 355-4.000.

Fujieda, Gentaro: *See—*
- Takata, Shigeru; Aono, Takeki; and Fujieda, Gentaro, 4,871,6 Cl. 428-246.000.

Fujieda, Hiroshi: *See—*
- Ueki, Kouichi; and Fujieda, Hiroshi, 4,867,375, Cl. 236-12.120.

Fujieda, Yasuhiko; Amano, Itaru; and Kanzawa, Masahide, to Kabushiki Kaisha Kobe Seiko Sho. Unloader mechanism for use with a vulcanizing machine. 4,799,871, 1-24-89, Cl. 425-38.000.

Fujieda, Yasuhiko; and Ichikawa, Katsumi, to Kabushiki Kaisha Kobe Seiko Sho. Vertically opening and closing type tire vulcanizer 4,804,318, 2-14-89, Cl. 425-34.100.

Fujieda, Yasuhiko: *See—*
- Amano, Itaru; Fujieda, Yasuhiko; and Ureshino, Ka 4,822,266, Cl. 425-34.100.

Fujihara, Akiyoshi: *See—*
- Morimoto, Kenichi; and Fujihara, Akiyoshi, 4,868,601, C 355-208.000.

Fujihara, Tadafumi; Shimada, Yoshihiro; Nagano, Chikara; and Tsukamoto, Katsuo, to Olympus Optical Co., Ltd. Illuminating device for microscopes. 4,852,985, 8-1-89, Cl. 350-523.000.

Fujihara, Tadafumi: *See—*
- Shimada, Yoshihiro; Fujihara, Tadafumi; Nagano, Chikara; and Tsukamoto, Katsuo, 4,812,039, Cl. 356-129.000.

Fujihara, Takeo; Yamatani, Akira; Yamamoto, Masanori; and Kato, Takako, to House Food Industrial Company Limited. Container with sealable band. 4,795,082, 1-3-89, Cl. 229-109.000.

Fujihata, Isao: *See—*
- Shimpo, Tetsuhiko; Fujihata, Isao; and Yanase, Atsushi, 4,823, Cl. 307-254.000.

Fujihira, Hiroshi: *See—*
- Izawa, Shoji; Fujihira, Hiroshi; and Yasui, Yoshiaki, 4,829,559, Cl. 379-96.000.

Fujihira, Mitsuaki: *See—*
- Nishiguchi, Masanori; Sekiguchi, Takeshi; and Fujihira, Mitsuaki, 4,844,325, Cl. 228-180.200.

Fujihira, Ryutaro: *See—*
- Maeda, Masahiko; Fujihira, Ryutaro; Moteki, Yoshihiro; Watanabe, Naotoshi; and Sakon, Yuichi, 4,826,726, Cl. 428-379.000.

Fujihira, Yasushi: *See—*
- Watanabe, Isao; and Fujihira, Yasushi, 4,807,858, Cl. 267-64.270.

Fujii, Akihiko: *See—*
- Seki, Ichiro; Kano, Morinosuke; Fujii, Akihiko; Kano, Akihiro; and Isa, Isao, 4,829,028, Cl. 501-105.000.

Fujii, Akio: *See—*
- Ekimoto, Hisao; Suzuki, Masanobu; Izawa, Takao; Takahashi, Katsutoshi; Nakatani, Tokuji; and Fujii, Akio, 4,824,955, Cl. 546-266.000.
- Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.
- Shimada, Nobuyoshi; Tomizawa, Takayuki; Hasegawa, Shigeru; Matsuo, Kaoru; Fujii, Akio; and Hoshino, Hiroo, 4,845,215, Cl. 544-265.000.
- Umezawa, Hamao; Fujii, Akio; Muraoka, Yasuhiko; Nakatani, Tokuji; Fukuoka, Takeyo; and Takahashi, Katsutoshi, 4,808,703, Cl. 530-322.000.
- Umezawa, Hamao, deceased; Takeuchi, Tomio; Ishizuka, Masaaki; Abe, Fuminori; Fujii, Akio; and Nakamura, Teruya, 4,851,446, Cl. 514-620.000.

Fujii, Akira: *See—*
- Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,857,953, Cl. 354-475.000.
- Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,860,046, Cl. 354-475.000.
- Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,866,467, Cl. 354-21.000.
- Tejima, Shunichiro; and Fujii, Akira, 4,809,268, Cl. 370-93.000.

Fujii, Atsushi: *See—*
- Takubo, Toyokazu; and Fujii, Atsushi, 4,863,653, Cl. 264-40.700.

Fujii, Bunichiro: *See—*
- Doi, Kazuhiro; Fujii, Bunichiro; Honda, Naoki; Kanesaka, Hiroyuki; and Tsuchida, Hirofumi, 4,833,373, Cl. 318-114.000.

Fujii, Eiichiro: *See—*
- Okoma, Kaoru; Fujii, Eiichiro; and Hanada, Morio, 4,815,947, Cl. 417-410.000.

Fujii, Eiji: *See—*
- Nakai, Hitoshi; Yamamoto, Takemi; Sakai, Jun; and Fujii, Eiji, 4,825,256, Cl. 355-27.000.
- Takubo, Yoneharu; Horibe, Yasutaka; Yamanishi, Nobue; Fujii, Eiji; and Okinaka, Hideyuki, 4,801,932, Cl. 340-783.000.

Fujii, Etsuo; Sato, Makoto; and Hirai, Seiichi, to Honda Giken Kogyo Kabushiki Kaisha. Four wheel-drive anti-locking braking. 4,832,145, 5-23-89, Cl. 180-233.000.

Fujii, Etsuo; Sato, Makoto; and Hirai, Seiichi, to Honda Giken Kogyo Kabushiki Kaisha. Four wheel-drive anti-locking braking. 4,871,043, 10-3-89, Cl. 180-248.000.

Fujii, Etsuo: *See—*
- Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, 4,878,566, Cl. 192-13.00R.

Fujii, Haruki; Miyawaki, Isao; Sakai, Motoomi; Kanazawa, Fumio; and Watanabe, Tadahiko, to Daido Steel Sheet Corporation; and Dainippon Ink & Chemicals, Inc. Glassfiber reinforced fluorocarbon polymer coating composition for metal surfaces, process of preparing the same, and metal sheets coated with such coating composition. 4,863,794, 9-5-89, Cl. 428-325.000.

Fujii, Haruyuki: *See—*
- Fujii, Toshitaka; and Fujii, Haruyuki, 4,802,300, Cl. 43-43.160.

Fujii, Hidehiko: *See—*
- Ohkubo, Kunihiko; and Fujii, Hidehiko, 4,881,812, Cl. 356-344.000.

Fujii, Hidetsugu, to Toyo Engineering Corporation. Process for producing urea. 4,864,059, 9-5-89, Cl. 564-71.000.

Fujii, Hiroaki; and Kobayashi, Kenichi, to NEC Corporation. Semiconductor laser of a refractive index-guided type and a process for fabricating the same. 4,852,110, 7-25-89, Cl. 372-44.000.

Fujii, Hironori: *See—*
- Yamamoto, Yoichi; Fujii, Hironori; and Oichi, Toshio, 4,824,822, Cl. 503-201.000.
- Yamamoto, Yoichi; Takehara, Toshio; Fujii, Hironori; Uhara, Koji; and Tanaka, Hirofumi, 4,870,049, Cl. 503-217.000.

Fujii, Hiroshi, to Mazda Motor Corporation. Apparatus for loading spare wheels on vehicle bodies. 4,799,581, 1-24-89, Cl. 198-341.000.

Fujii, Hiroshi; and Nagato, Yuichiro, to Hitachi, Ltd. PWM inverter controller. 4,802,077, 1-31-89, Cl. 363-41.000.

Fujii, Hiroshi, to Casio Computer Co., Ltd. Portable electronic memorandum device with password accessible memory. 4,815,032, 3-21-89, Cl. 364-900.000.

Fujii, Hiroshi; and Takahashi, Atsushi, to Nissan Motor Co., Ltd.; and Nifco Inc. Vertically movable window glass retainer for motor car door. 4,860,494, 8-29-89, Cl. 49-493.000.

Fujii, Hiroshi, to Mazda Motor Manufacturing (USA) Corporation. Method and apparatus for preventing installation in an automobile body of a glass window panel having overcured adhesive thereon. 4,875,955, 10-24-89, Cl. 156-64.000.

Fujii, Hiroshi; Iio, Tsukasa; Genba, Yasusi; Moriwaki, Hideaki; and Mochizuki, Yoshinori, to Mitsubishi Denki Kabushiki Kaisha. Multipole circuit interrupter. 4,882,556, 11-21-89, Cl. 335-8.000.

Fujii, Hiroshi: *See—*
- Hisatsune, Fumiyuki; Fujii, Hiroshi; Yamagata, Shinji; and Kobayashi, Yoshiaki, 4,866,226, Cl. 200-147.00B.
- Iio, Tsukasa; Mochizuki, Yoshinori; Fujii, Hiroshi; Genba, Yasusi; and Moriwaki, Hideaki, 4,799,037, Cl. 335-46.000.
- Iio, Tsukasa; Mochizuki, Yoshinori; Genba, Yasusi; Fujii, Hiroshi, and Moriwaki, Hideaki, 4,808,953, Cl. 335-42.000.
- Masuko, Shogo; Shimada, Morihiro; and Fujii, Hiroshi, 4,863,266, Cl. 356-152.000.
- Onishi, Takashi; Suzuki, Shigeaki; Mori, Toshiki; Fujii, Hiroshi; and Fujita, Yoshiji, 4,886,916, Cl. 568-34.000.
- Shimizu, Atsuko; Fujii, Hiroshi; and Ohki, Shinichi, 4,807,639, Cl. 128-690.000.

Fujii, Hiroyuki; Kudo, Takamichi; Furukawa, Haruhiko; and Yamamoto, Nobusuke, to Chisso Corporation. Thermoplastic resin composition for cleaning. 4,838,945, 6-13-89, Cl. 134-7.000.

Fujii, Hitoshi. Apparatus for monitoring bloodstream. 4,862,894, 9-5-89, Cl. 128-666.000.

Fujii, Ichiro, to Texas Instruments Incorporated. Semiconductor charge-coupled device and process of fabrication thereof. 4,806,498, 2-21-89, Cl. 437-24.000.

Fujii, Ichiro, to Texas Instruments Incorporated. Charge coupled device with reduced surface state at semiconductor-insulator interface. 4,872,043, 10-3-89, Cl. 357-24.000.

Fujii, Isao; Osada, Sanjyuro; Okamoto, Masato; and Yamamoto, Kouichi, to Mitsubishi Jukogyo Kabushiki Kaisha. Ear folding apparatus. 4,845,919, 7-11-89, Cl. 53-380.000.

Fujii, Itsuo; Sato, Toshikazu; and Kawashima, Kazuharu, to Fuji Photo Film Co., Ltd. Spin coating method and device. 4,822,639, 4-18-89, Cl. 427-240.000.

Fujii, Iwao, to Minolta Camera Kabushiki Kaisha. Thermal printer. 4,863,297, 9-5-89, Cl. 400-249.000.

Fujii, Iwao: *See—*
- Onuma, Akihiko; and Fujii, Iwao, 4,806,949, Cl. 346-76.0PH.

Fujii, Junji: *See—*
- Shimoda, Isao; Yaguchi, Mitsugu; and Fujii, Junji, 4,858,510, Cl. 84-402.000.

Fujii, Katsuhiko; Sato, Shiro; Miyanaga, Yasuhiro; Asami, Heizo; Takekoshi, Susumu; and Kasai, Yasuo, to Honda Giken Kogyo Kabushiki Kaisha. Disk wheel for a motor vehicle. 4,856,849, 8-15-89, Cl. 301-63.00R.

Fujii, Katsutoshi: *See—*
- Matsumoto, Keigo; Yokoi, Shinji; and Fujii, Katsutoshi, 4,845,097, Cl. 514-234.200.

Fujii, Katsuyuki, to Minolta Camera Kabushiki Kaisha. Ink jet printer. 4,879,565, 11-7-89, Cl. 346-75.000.

Fujii, Kazuo, to Kawasaki Steel Corp. Conductor roll profile adjustment. 4,800,004, 1-24-89, Cl. 204-28.000.

Fujii, Kazuo, to Diesel Kiki Co., Ltd. Demisting control system of air conditioner for automotive vehicles. 4,878,358, 11-7-89, Cl. 62-227.000.

Fujii, Kazuyoshi: *See—*
- Tanaka, Hideho; Fujii, Kazuyoshi; and Nishimura, Kazuo, 4,868,050, Cl. 428-335.000.

Fujii, Kenichi; and Tanaka, Menmei, to Kanzaki Paper Manufacturing Co., Ltd. Apparatus and method for storing regular and irregular characters. 4,824,266, 4-25-89, Cl. 400-120.000.

Fujii, Kiyoshi, to NEC Corporation. X-ray lighography system using synchrotron radiation. 4,803,713, 2-7-89, Cl. 378-34.000.

Fujii, Kiyoshi: *See—*
- Uchida, Shinya; Kohzu, Kazuya; Fujii, Kiyoshi; and Kawakami, Moriatsu, 4,881,268, Cl. 382-7.000.

Fujii, Koichi: *See—*
- Azumai, Hideo; Fujii, Koichi; Seigenji, Takashi; and Yoshioka, Keiichi, 4,855,803, Cl. 357-45.000.
- Takata, Akira; and Fujii, Koichi, 4,857,773, Cl. 307-465.000.

Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, to Kawasaki Steel Corporation. Method and apparatus for cutting and welding steel strips. 4,840,303, 6-20-89, Cl. 228-164.000.

Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, to Kawasaki Steel Corporation. Method and apparatus for cutting welding steel strips. 4,854,493, 8-8-89, Cl. 228-5.700.

Fujii, Masaaki; and Nomura, Toshihiro, to Fuji Electric Co., Ltd. Control system for an inverter apparatus. 4,866,592, 9-12-89, Cl. 363-98.000.

Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, to Nippon Steel Corporation; and Iwao Jiki Kogyo Co., Ltd. Fixing carrier for activated sludge in sewage or waste water treatment. 4,814,085, 3-21-89, Cl. 210-510.100.

Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, to Nippon Steel Corporation; and Iwao Jiki Kogyo Co., Ltd. Fixing carrier for activated sludge in sewage or waste water treatment. 4,814,125, 3-21-89, Cl. 264-44.000.

Fujii, Masahiro; and Nakamura, Eiichi, to Nippon Steel Corporation. Process for activated-sludge treatment of sewage or industrial waste water. 4,832,847, 5-23-89, Cl. 210-616.000.

Fujii, Masahiro; Morita, Hiroshi; Hiraki, Jun; and Hatakeyama, Masakazu, to Chisso Corporation. Agent for preventing plant virus diseases. 4,867,974, 9-19-89, Cl. 424-89.000.

Fujii, Masaki; Gotoh, Shiroh; and Kitagawa, Sadao, to Mitsubishi Petrochemical Co., Ltd. Modified copolymer. 4,833,210, 5-23-89, Cl. 525-332.100.
Fujii, Masaki; and Wakayama, Tatsuo, to Mitsubishi Petrochemical Co., Ltd. Coating agent for imparting electroconductivity. 4,834,910, 5-30-89, Cl. 252-511.000.
Fujii, Masaki: *See—*
  Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Fujii, Masaki; and Minohata, Masanori, 4,873,071, Cl. 423-448.000.
Fujii, Masanobu; and Tsuda, Tatsuya, to Sharp Kabushiki Kaisha. Microwave heating and infrared ray heating appliance. 4,803,324, 2-7-89, Cl. 219-10.55F.
Fujii, Masanobu; and Tsuda, Tatsuya, to Sharp Kabushiki Kaisha. Infrared ray heating appliance utilizing a convection fan. 4,870,255, 9-26-89, Cl. 219-400.000.
Fujii, Masanori; Komura, Shuji; and Oogami, Shunsuke, to Mita Industrial Co., Ltd. White toner containing a high purity titanium dioxide pigment. 4,855,204, 8-8-89, Cl. 430-106.000.
Fujii, Masao: *See—*
  Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, 4,794,983, Cl. 165-133.000.
  Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, 4,880,054, Cl. 165-133.000.
Fujii, Masaru: *See—*
  Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Maeyama, Yoshikazu, 4,796,224, Cl. 365-51.000.
  Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Sakagami, Masahiko, 4,821,299, Cl. 377-69.000.
  Nishimoto, Toshio; Kawai, Hideki; Fujii, Masaru; and Ohta, Kiyoto, 4,845,670, Cl. 365-78.000.
Fujii, Masashi: *See—*
  Tsujii, Osamu; and Fujii, Masashi, 4,803,711, Cl. 378-4.000.
Fujii, Minoru: *See—*
  Motoki, Hideo, 4,802,921, Cl. 106-18.120.
Fujii, Mituru: *See—*
  Ogawa, Toshio; Fujii, Mituru; Asai, Tadamichi; Ikegami, Akira; Ohtsu, Hiroshi; and Ato, Kazuhiko, 4,873,022, Cl. 428-209.000.
Fujii, Naoki: *See—*
  Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masaru; Wada, Toshiaki; and Nakaoka, Junichi, 4,794,736, Cl. 51-165.720.
Fujii, Noboru: *See—*
  Sakura, Yasuo; Hara, Masao; Nakata, Tetsuro; and Fujii, Noboru, 4,796,096, Cl. 358-310.000.
Fujii, Noriaki; Iwata, Takeshi; and Oikawa, Toshihiro, to Honda Giken Kogyo Kabushiki Kaisha. SOHC type internal combustion engine. 4,796,574, 1-10-89, Cl. 123-90.230.
Fujii, Noriaki; Kitamura, Mamoru; and Yamada, Akira, to Mitsubishi Denki Kabushiki Kaisha. Plastic package for an IC card. 4,798,946, 1-17-89, Cl. 235-492.000.
Fujii, Noriaki, to Mitsubishi Denki Kabushiki Kaisha. IC card connector. 4,820,186, 4-11-89, Cl. 439-326.000.
Fujii, Ryoichi: *See—*
  Wada, Yoshihiro; and Fujii, Ryoichi, 4,812,835, Cl. 340-756.000.
Fujii, Satoru; Niyada, Katsuyuki; Morii, Shuji; and Watanabe, Taisuke, to Matsushita Electric Industrial Co., Ltd. Apparatus for speech recognition. 4,885,791, 12-5-89, Cl. 381-43.000.
Fujii, Satoru: *See—*
  Tanaka, Hiroaki; Ito, Mitsuhiro; Furukawa, Takeshi; and Fujii, Satoru, 4,818,376, Cl. 209-135.000.
Fujii, Satoshi, to Sumitomo Electric Industries, Ltd. Wear-resistant sintered iron-based alloy and process for producing the same. 4,840,665, 6-20-89, Cl. 75-241.000.
Fujii, Satoshi, to Sumitomo Electric Industries, Ltd. Wear-resistant sintered iron-based alloy and process for producing the same. 4,885,133, 12-5-89, Cl. 419-29.000.
Fujii, Satoshi: *See—*
  Aketa, Masahiro; and Fujii, Satoshi, 4,848,658, Cl. 239-88.000.
  Ase, Hajime; Fujii, Satoshi; Nara, Hisao; and Sakai, Masao, 4,847,056, Cl. 423-240.000.
  Koiso, Takashi; and Fujii, Satoshi, 4,799,970, Cl. 148-6.200.
Fujii Seiko Limited: *See—*
  Haga, Katutoshi; Yoshida, Hisatoshi; and Mitani, Yushi, 4,852,428, Cl. 74-826.000.
Fujii, Setsuro; Ogawa, Kazuo; Hamakawa, Toshihiro; and Muranaka, Yoshiyuki, to Taiho Pharmaceutical Company Limited. Sulfonic acid ester derivatives and process for preparing same. 4,797,502, 1-10-89, Cl. 558-52.000.
Fujii, Setsuro; Kawamura, Hiroyuki; Kiyokawa, Hiroshi; and Yamada, Satoshi, to Otsuka Pharmaceutical Company, Limited. Pyrazolotriazine compounds. 4,824,834, 4-25-89, Cl. 514-246.000.
Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, to Otsuka Pharmaceutical Co., Ltd. 2-oxa-isocephem compounds, compositions containing same and processes of using. 4,831,026, 5-16-89, Cl. 514-210.000.
Fujii, Setsuro, to Otsuka Pharmaceutical Co., Ltd. 5-fluorouracil derivatives. 4,864,021, 9-5-89, Cl. 536-23.000.
Fujii, Setsuro; Yamashita, Jun-ichi; Matsumoto, Hiroshi; Takeda, Setsuo; Terada, Tadafumi; Yasumoto, Mitsugi; and Unemi, Norio, to Taiho Pharmaceutical Company Limited. Novel 2'-deoxy-5-substituted uridine derivatives, processes for preparing the same and antitumor agent containing the same. 4,886,877, 12-12-89, Cl. 536-23.000.
Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, to Torii & Co., Ltd. 6-amino-2-naphthyl 4-guanidinobenzoate derivatives and pharmaceutical composition containing them. 4,820,730, 4-11-89, Cl. 514-510.000.
Fujii, Shigeaki: *See—*
  Hoshino, Akira; Saji, Mikio; and Fujii, Shigeaki, 4,863,987, Cl. 524-293.000.
Fujii, Shigemi; Kumazaki, Eisuke; and Shigematsu, Kazutoshi. Jiggering method and profile tool for ceramic ware plastic clay. 4,857,256, 8-15-89, Cl. 264-310.000.
Fujii, Shigeo: *See—*
  Tsuru, Sumiaki; Mori, Shoichi; Komatsu, Noriko; and Fujii, Shigeo, 4,865,733, Cl. 210-266.000.
Fujii, Shigeru: *See—*
  Tanaka, Yoshio; Fujii, Shigeru; Nishida, Takao; and Fujita, Yasushi, 4,859,886, Cl. 310-51.000.
Fujii, Susumi; Ishida, Hiromi; Morioka, Masataka; Saito, Akihiro; and van der Meer, Roelof, to General Electric Company. Polyphenylene ether/polyamide blends having improved physical properties. 4,873,276, 10-10-89, Cl. 524-153.000.
Fujii, Susumu; and Ting, Sai-Pei, to General Electric Company. Thermoplastic composition of polyphenylene ether, ethylene-methacrylic acid copolymer, and styrene-glycidyl methacrylate copolymer. 4,871,800, 10-3-89, Cl. 525-68.000.
Fujii, Tadashi; and Yagami, Hiroyuki, to Terumo Corporation. Ultrasonic transducer. 4,795,935, 1-3-89, Cl. 310-336.000.
Fujii, Takaharu: *See—*
  Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, 4,814,085, Cl. 210-510.100.
  Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, 4,814,125, Cl. 264-44.000.
Fujii, Takanori: *See—*
  Tsujino, Yoshikazu; Hamada, Yuji; Sakata, Masakazu; Fujii, Takanori; and Kuwano, Yukinori, 4,874,646, Cl. 428-34.100.
Fujii, Takao: *See—*
  Fukuda, Hideo; Ogawa, Takahira; and Fujii, Takao, 4,863,862, Cl. 435-166.000.
Fujii, Takashi: *See—*
  Shibata, Nobuo; Suzuki, Toshio; Fujii, Takashi; Arai, Junichi; and Kato, Hisami, 4,805,929, Cl. 280-721.000.
Fujii, Takayoshi: *See—*
  Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, 4,820,689, Cl. 514-8.000.
  Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, 4,851,395, Cl. 514-54.000.
  Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.
  Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.
  Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.
Fujii, Takeshi: *See—*
  Kegasa, Koyo; Murai, Takafumi; Yamanaka, Osamu; and Fujii, Takeshi, 4,797,637, Cl. 331-4.000.
Fujii, Tatsuo, to TDK Corporation. Casing for magnetic recording medium and preparation thereof. 4,796,753, 1-10-89, Cl. 206-387.00
Fujii, Teru: *See—*
  Otsubo, Toru; Aiuchi, Susumu; Kamimura, Takashi; Noguchi, Minoru; and Fujii, Teru, 4,808,258, Cl. 156-643.000.
Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, to Nippondenso Co., Ltd. Apparatus for optically detecting an extraneous matter on a translucent shield. 4,867,561, 9-19-89, Cl. 356-237.00
Fujii, Tetsuo: *See—*
  Sakai, Yasushi; Fujii, Tetsuo; Saito, Michio; Munekata, Motoai; and Kiyohara, Akio, 4,870,146, Cl. 526-237.000.
Fujii, Tetsuya: *See—*
  Itoyama, Seiji; Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhi; Bessho, Nagayasu; and Fujii, Tetsuya, 4,817,702, Cl. 164-432.00
  Tozawa, Hirokazu; Bessho, Nagayasu; Fujii, Tetsuya; Moriwaki, Saburo; Yasukawa, Noboru; and Kimura, Tomoaki, 4,825, Cl. 164-481.000.
Fujii, Tomoyuki: *See—*
  Kato, Takeshi; and Fujii, Tomoyuki, 4,835,302, Cl. 560-41.00
Fujii, Toru: *See—*
  Itoh, Ichizo; Owada, Hiroshi; and Fujii, Toru, 4,825,116, Cl. 310-335.000.
Fujii, Toshifumi; and Kikuchi, Jun, to Mitsubishi Denki Kabushiki Kaisha. Magnetic recording and reproducing apparatus. 4,809, 2-28-89, Cl. 360-9.100.
Fujii, Toshihiro; and Fukui, Shunjiro, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Meter device for vehicle. 4,845,595, 7-4-89, Cl. 363-30.000.
Fujii, Toshinobu; Ando, Yasuo; and Fushimi, Kazuo, to Kabushiki Kaisha Meidensha. Secondary battery with ion-exchange porous membrane. 4,824,743, 4-25-89, Cl. 429-101.000.
Fujii, Toshio, to Fujitsu Limited. Method of growing quaternary or pentanary alloy semiconductor lattice-matched to substrate by MBE. 4,833,101, 5-23-89, Cl. 437-107.000.
Fujii, Toshio: *See—*
  Hiyamizu, Satoshi; and Fujii, Toshio, 4,799,088, Cl. 357-16.000.
  Inata, Tsuguo; Muto, Shunichi; and Fujii, Toshio, 4,825,264, Cl. 357-4.000.

  Ishii, Kazuaki; Futatsugi, Toshiro; Oshima, Toshio; Fujii, Toshio; Yokoyama, Naoki; and Shibatomi, Akihiro, 4,889,831, Cl. 437-184.000.
Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Method for controlling a displacement changing mechanism of a variable displacement refrigerant compressor for a car air-conditioner. 4,841,737, 6-27-89, Cl. 62-133.000.
Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Variable displacement wobble plate type compressor with a solenoid operated wobble angle control unit. 4,846,630, 7-11-89, Cl. 417-222.000.
Fujii, Toshiro: *See—*
  Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; Noda, Kinzaburo; and Fujii, Toshiro, 4,828,840, Cl. 424-474.000.
Fujii, Toshitaka; and Fujii, Haruyuki. Fishing hook. 4,802,300, 2-7-89, Cl. 43-43.160.
Fujii, Yasufumi: *See—*
  Sakagami, Teruo; and Fujii, Yasufumi, 4,826,284, Cl. 350-96.340.
Fujii, Yasuhiro: *See—*
  Abiko, Toshio; Tsukamoto, Katsuya; Inoue, Hiroo; Fujii, Yasuhiro; Kanda, Minoru; and Miyachi, Nobuaki, 4,816,835, Cl. 343-700.0MS.
  Haga, Takahiro; Toki, Tadaaki; Koyanagi, Toru; Fujii, Yasuhiro; Yoshida, Kiyomitsu; and Imai, Osamu, 4,861,799, Cl. 514-594.000.
  Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
  Tsukamoto, Katsuya; Masamoto, Kyoji; Fujii, Yasuhiro; and Kitsuda, Yoshihiro, 4,851,855, Cl. 343-700.0MS.
  Tsukamoto, Katsuya; Fujii, Yasuhiro; and Abiko, Toshio, 4,857,938, Cl. 343-700.0MS.
Fujii, Yasuo; and Hayashi, Masahiko, to Kubota, Ltd. Boundary detecting method and apparatus for automatic working vehicle. 4,868,752, 9-19-89, Cl. 364-424.020.
Fujii, Yasuo; and Hayashi, Masahiko, to Kubota, Ltd. Guide system for a working machine having a product identifying system. 4,873,644, 10-10-89, Cl. 364-478.000.
Fujii, Yasuo: *See—*
  Goto, Shigenori; Mase, Saburo; Tayama, Hirofumi; Hara, Tadashi; and Fujii, Yasuo, 4,832,436, Cl. 350-96.200.
Fujii, Yasushi: *See—*
  Ikeda, Noriaki; Sugishima, Noboru; Fujii, Yasushi; Ikuta, Shinji; Nakanishi, Yoshiyuki; and Inoue, Akira, 4,840,749, Cl. 260-378.000.
Fujii, Yasutel: *See—*
  Ohtsuka, Akinori; Kurita, Hitoshi; and Fujii, Yasutel, 4,872,008, Cl. 341-26.000.
Fujii, Yasuteru: *See—*
  Takano, Teruhisa; Kurita, Hitoshi; Fujii, Yasuteru; Suenaga, Haruo; and Yano, Masashi, 4,888,461, Cl. 219-10.55B.
Fujii, Yoshihal, to Sharp Kabushiki Kaisha. Automatic document feeder in electrophotographic copying machine. 4,883,266, 11-28-89, Cl. 271-291.000.
Fujii, Yoshihalu, to Sharp Kabushiki Kaisha. Shredder. 4,815,669, 3-28-89, Cl. 241-34.000.
Fujii, Yoshihalu, to Sharp Kabushiki Kaisha. Copier with improved paper transporting means. 4,855,788, 8-8-89, Cl. 355-313.000.
Fujii, Yoshihalu: *See—*
  Araki, Yasuo; Itoh, Tetsuya; Iwai, Shougo; and Fujii, Yoshihalu, 4,842,205, Cl. 241-34.000.
Fujii, Yoshihiko: *See—*
  Osaki, Shigeyoshi; Sakai, Kiyokazu; and Fujii, Yoshihiko, 4,849,623, Cl. 250-225.000.
Fujii, Yoshihisa: *See—*
  Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, 4,865,659, Cl. 148-33.000.
Fujii, Yoshikazu: *See—*
  Deguchi, Toshihisa; Fujii, Yoshikazu; Inui, Tetsuya; Ohta, Kenji; and Katoh, Schohichi, 4,881,216, Cl. 369-54.000.
Fujii, Yoshimasa: *See—*
  Yamamoto, Masanori; Kamoda, Tamotsu; Nakahara, Makoto; Fujii, Yoshimasa; and Sugano, Shozo, 4,803,088, Cl. 426-107.000.
Fujii, Yoshio, to Mazda Motor Corporation. Front frame structure for vehicle. 4,822,096, 4-18-89, Cl. 296-194.000.
Fujii, Yozo; and Saito, Taku, to Konica Corporation. Image forming apparatus with magnification changing device. 4,796,059, 1-3-89, Cl. 355-57.000.
Fujii, Yozo: *See—*
  Saito, Taku; and Fujii, Yozo, 4,806,989, Cl. 355-55.000.
Fujie, Kazuhiko; Yoshida, Tadao; and Ando, Ryo, to Sony Corporation. Optical disk recording and reproducing device. 4,858,217, 8-15-89, Cl. 369-59.000.
Fujie, Kazuhiko: *See—*
  Ando, Ryo; Yoshida, Tadao; Fujiie, Kazuhiko; and Yoshida, Toshio, 4,862,439, Cl. 369-30.000.
Fujikake, Yoichi; Sugimoto, Takao; Tamaki, Kiyohide; and Udagawa, Yoshio, to Nippon Steel Corporation; and Kabushiki Kaisha Toshiba. Ultrasonic flaw detecting method and apparatus. 4,821,575, 4-18-89, Cl. 73-626.000.
Fujikawa, Junichi, to Toray Industries, Inc. Printing plate having photosensitive polymer composition. 4,828,963, 5-9-89, Cl. 430-285.000.
Fujikawa, Junichi: *See—*
  Taniguchi, Masaharu; Tokunow, Masazumi; and Fujikawa, Junichi, 4,889,793, Cl. 430-284.000.
Fujikawa, Kazuhiko: *See—*
  Kaneko, Masaharu; Fujikawa, Kazuhiko; and Okamoto, Tetsuhiko, 4,864,048, Cl. 558-93.000.
  Okamoto, Tetsuhiko; Ueyama, Shinichiro; and Fujikawa, Kazuhiko, 4,795,621, Cl. 423-300.000.
Fujikawa, Masanori: *See—*
  Ogawa, Satoshi; Fujikawa, Masanori; and Watanabe, Masakazu, 4,833,871, Cl. 57-6.000.
Fujikawa, Satoshi; and Hiruta, Hideshi, to Mazda Motor Corporation. Transfer case operation mode shifting apparatus for a four-wheel drive vehicle. 4,846,010, 7-11-89, Cl. 74-337.500.
Fujikawa, Shigeaki: *See—*
  Koga, Kunimasa; Fujikawa, Shigeaki; and Fukui, Yuko, 4,878,921, Cl. 8-646.000.
Fujikawa, Shouji; Araki, Masakatsu; Kumano, Fumihiro; and Tsujimura, Shinichirou, to Matsushita Electric Works, Ltd. Hair trimmer. 4,888,870, 12-26-89, Cl. 30-233.500.
Fujikawa, Takuji: *See—*
  Fukuda, Seiji; Kaneko Shozou; Fujikawa, Takuji; Oda, Hiroshi; Gengo, Tadashi; and Fukui, Kazushi, 4,862,692, Cl. 60-670.000.
Fujikawa, Tetsuzo; Yamaguchi, Yoichi; and Takahashi, Akira, to Kawasaki Jukogyo Kabushiki Kaisha. Control-display device for an engine-equipped apparatus. 4,798,082, 1-17-89, Cl. 73-117.300.
Fujikawa, Tetsuzo; Tomonaga, Keisuke; Tamba, Shinichi; Miyake, Hitomi; and Miyake, Hitomi, to Kawasaki Jukogyo Kabushiki Kaisha; and Deere & Company. Internal combustion engine and devices employing same. 4,862,981, 9-5-89, Cl. 180-68.400.
Fujikawa, Tetsuzo; Hirata, Makizo; and Tamba, Shinichi, to Kawasaki Jukogyo Kabushiki Kaisha. Work vehicle. 4,889,089, 12-26-89, Cl. 123-195.0HC.
Fujikawa, Toshiaki: *See—*
  Komatsu, Junichi; Fujikawa, Toshiaki; and Mizuno, Koji, 4,807,123, Cl. 364-200.000.
Fujikawa, Toshihiro; Itoh, Itsu; and Urashima, Mitsuru, to Fuji Engineering Co., Ltd. Breaker valve. 4,830,045, 5-16-89, Cl. 137-456.000.
Fujikawa, Yasuji: *See—*
  Kume, Tadaaki; Saijo, Yoshihiro; and Fujikawa, Yasuji, 4,838,847, Cl. 493-133.000.
Fujikawa, Yoshihiro; Wakamatsu, Masazumi; Fukui, Mariko; and Miyasaka, Tadashi, to Nissan Chemical Industries, Ltd. 3-hydroxy pyrazole derivatives. 4,841,068, 6-20-89, Cl. 548-365.000.
Fujikawa, Yoshimasa: *See—*
  Suzuki, Masatoshi; Fujikawa, Yoshimasa; and Fujimoto, Koichi, 4,805,024, Cl. 358-213.190.
Fujikawa, Yoshiyuki: *See—*
  Morino, Masuaki; Fujikawa, Yoshiyuki; Haneda, Isamu; and Myoi, Tetsuo, 4,805,136, Cl. 364-900.000.
Fujikawa, Yujiro: *See—*
  Kimura, Masatoshi; Okuda, Hiroshi; Fujikawa, Yujiro; and Inomata, Tatsuaki, 4,796,411, Cl. 53-453.000.
Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, to Nissan Motor Co., Ltd.; and Hitachi Powdered Metals Co., Ltd. Heat resistant and wear resistant iron-base sintered alloy. 4,844,024, 7-4-89, Cl. 123-188.500.
Fujiki, Haruo; and Tezuka, Kazunari, to Fuji Jukogyo Kabushiki Kaisha. Slip detecting system for a four-wheel drive motor vehicle. 4,884,650, 12-5-89, Cl. 180-197.000.
Fujiki, Hironao: *See—*
  Ikeno, Masayuki; Fujiki, Hironao; and Inomata, Hiroshi, 4,886,865, Cl. 528-15.000.
  Yoshino, Masachika; Hasebe, Nobuyuki; Fujiki, Hironao; and Inomata, Hiroshi, 4,879,339, Cl. 524-740.000.
Fujiki, Hiroyuki; and Fukumoto, Masumi, to Nissan Motor Company, Limited; and Nifco Inc. Vehicular umbrella container. 4,807,920, 2-28-89, Cl. 296-37.800.
Fujiki, Hiroyuki; Michiura, Yoshiharu; and Inoue, Kiyoshi, to Nissan Motor Co., Ltd.; and Ichikoh Industries, Ltd. Plastic structural member. 4,874,645, 10-17-89, Cl. 428-31.000.
Fujiki, Norio; Ishikawa, Masahiro; Kawagishi, Masao; and Hayashi, Takatoshi, to Nissan Motor Company, Limited. Cross-oil instrument having testing apparatus for vehicular sensor disconnection indication. 4,866,376, 9-12-89, Cl. 324-160.000.
Fujiki, Norio: *See—*
  Hayashi, Takatoshi; Fujiki, Norio; Tanaka, Yoichiro; Nishimoto, Takashi; and Kobayashi, Masakazu, 4,871,993, Cl. 340-439.000.
  Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, 4,835,970, Cl. 60-545.000.
Fujiki, Tatsuo: *See—*
  Yokota, Motoyuki; Tanabe, Mamoru; and Fujiki, Tatsuo, 4,861,004, Cl. 267-140.100.
Fujiki, Tsutomu: *See—*
  Yamaguchi, Hideo; and Fujiki, Tsutomu, 4,858,518, Cl. 98-2.080.
Fujiki, Yasuo: *See—*
  Sakamoto, Yukio; Fujiki, Yasuo; and Hata, Yoshikazu, 4,827,634, Cl. 361-306.000.
Fujiki, Yoshinori; and Mitsuhashi, Takefumi, to National Institute for Researches in Inorganic Materials. Process for producing potassium hexatitanate fibers. 4,810,439, 3-7-89, Cl. 264-42.000.
Fujiki, Yoshinori; Watanabe, Mamoru; Sasaki, Takayoshi; Onoda, Yoshito; Ohachi, Tadashi; and Mitsuhashi, Takefumi, to National Institute for Research in Inorganic Materials. Tetragonal system tunnel-structured compound AX(GA8MYGA(8+X)-YTI16-X0 56),

and cation conductor and heat insulating material composed thereof. 4,818,735, 4-4-89, Cl. 501-134.000.

Fujiki, Yuji: *See—*
  Tomobe, Norio; Shimamura, Haruo; Suzuki, Kozo; Taniguchi, Yutaka; and Fujiki, Yuji, 4,886,035, Cl. 123-588.000.

Fujikiko Kabushiki Kaisha: *See—*
  Ikegaya, Isao, 4,871,137, Cl. 248-396.000.
  Negi, Yoshitaka; and Matsuura, Hiroshi, 4,822,099, Cl. 297-349.000.
  Yamamoto, Yoshimi, 4,884,778, Cl. 248-548.000.
  Yamazaki, Masanobu, 4,850,234, Cl. 74-15.200.

Fujikin International, Inc.: *See—*
  Nakazawa, Masahiko; Tsukada, Kazuo; and Suzuki, Kazunori, 4,804,164, Cl. 251-335.300.

Fujikoki America, Inc.: *See—*
  Watanabe, Masaru; and Yamamoto, Osamu, 4,819,443, Cl. 62-225.000.

Fujikoki Manufacturing Co., Ltd.: *See—*
  Suzuki, Nobuhiko; and Aoki, Tetuya, 4,875,832, Cl. 417-222.000.

Fujikura, Chozo: *See—*
  Shoji, Ryo; Fujikura, Chozo; Takizawa, Kazushige; and Sakaki, Hirokazu, 4,822,715, Cl. 430-155.000.

Fujikura Kasei Co., Ltd.: *See—*
  Otsu, Akira; and Nagase, Hiroshi, 4,840,863, Cl. 430-110.000.
  Watanabe, Masao; and Nagase, Hiroshi, 4,883,735, Cl. 430-109.000.

Fujikura Ltd.: *See—*
  Arai, Katsuyuki; Karai, Kenji; Watanabe, Okosu; and Ando, Keiji, 4,850,895, Cl. 439-394.000.
  Goto, Shigenori; Mase, Saburo; Tayama, Hirofumi; Hara, Tadashi; and Fujii, Yasuo, 4,832,436, Cl. 350-96.200.
  Hasegawa, Masakazu; Takaoka, Michio; Yoshida, Syotaroh; and Akashi, Kazuya, 4,820,570, Cl. 428-140.000.
  Hasegawa, Masatake; Kobayashi, Hirotada; Sunazuka, Hideo; Yoshino, Akira; Matsuda, Takao; and Shingo, Yoshioki, 4,869,848, Cl. 252-609.000.
  Katayose, Hiroichi; Yokosuka, Hiroshi; and Seto, Katsuyuki, 4,804,24?, Cl. 350-96.230.
  Onishi, Akihumi; Hasegawa, Masakasu; Takaoka, Michio; Motai, Tsuneaki; Ono, Motoyuki; and Yoshida, Shotaro, 4,840,552, Cl. 425-72.100.
  Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, 4,836,275, Cl. 165-46.000.
  Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, 4,854,372, Cl. 165-46.000.
  Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, 4,858,679, Cl. 165-46.000.
  Sawano, Hiroyuki; Suzuki, Hideo; Sugawara, Yasuyuki; Kobayashi, Kazunaga; and Sato, Nobuyasu, 4,812,014, Cl. 350-96.290.
  Shamoto, Naoki; Suzuki, Hideo; Sugawara, Yasuyuki; Kawase, Masaaki; and Shinohara, Hiromichi, 4,836,639, Cl. 350-96.230.
  Sugimoto, Mamoru; Kohno, Osamu; Ikeno, Yoshimitsu; Sadakata, Nobuyuki; Aoki, Shin'ya; and Nakagawa, Mikio, 4,885,273, Cl. 505-1.000.
  Tominaga, Haruo; Takayama, Teruyuki; Miyauchi, Kenichi; and Yamaguchi, Tetsuo, 4,844,147, Cl. 164-450.000.
  Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, 4,878,933, Cl. 65-29.000.
  Yamauchi, Ryozo; Miyamoto, Matsuhiro; Oohashi, Tatsuyuki; and Fukuda, Osamu, 4,834,786, Cl. 65-3.120.
  Yatsuhashi, Motoharu; Mochizuki, Masataka; and Sugihara, Shinichi, 4,842,053, Cl. 165-104.140.

Fujikura Rubber Ltd.: *See—*
  Ariizumi, Ryozo; and Kainuma, Masakuni, 4,821,776, Cl. 137-625.400.
  Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,823,834, Cl. 137-596.140.
  Ariizumi, Ryozo; Kainuma, Masakuni; Aoki, Toshikazu; Suda, Shoji; Hoshi, Mitsunori; and Ejiri, Takashi, 4,840,347, Cl. 251-63.400.
  Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,875,500, Cl. 137-596.180.

Fujikura, Takashi; Matsumoto, Yuzo; and Asano, Masharu, to Yamanouchi Pharmaceutical Co., Ltd. Pyridine derivatives, process for production thereof and pharmaceutical compositions useful as anti-arhytmics. 4,843,085, 6-27-89, Cl. 514-356.000.

Fujikura, Takashi: *See—*
  Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; and Takenaka, Toichi, 4,868,216, Cl. 514-603.000.
  Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; Takenaka, Toichi; and Honda, Kazuo, 4,880,841, Cl. 514-654.000.
  Tanaka, Akihiro; Fujikura, Takashi; Tsuzuki, Ryuji; Yokota, Masaki; and Yatsu, Takeyuki, 4,876,261, Cl. 514-307.000.

Fujikura, Yoshiaki; Kitsuki, Tomohito; Fujita, Manabu; and Toi, Nao, to Kao Corporation. Bornane-3-spiro-1'-cyclopentane derivatives and perfumery compositions containing them. 4,839,340, 6-13-89, Cl. 512-9.000.

Fujimagari, Hiroshi: *See—*
  Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, 4,841,312, Cl. 346-160.00R.

Fujimaki, Hideo: *See—*
  Sasaki, Tatsuo; Fujimaki, Hideo; Uemura, Tadahiro; and Kurihara, Masaru, 4,857,363, Cl. 427-245.000.

Fujimaki, Hiroaki, to Tomy Kogyo Co., Inc. Animal toys. 4,867,72 9-19-89, Cl. 446-175.000.

Fujimaki, Tatsuo; and Oshima, Noboru, to Bridgestone Corporation and Japan Synthetic Rubber Co., Ltd. Rubber composition for high-performance tire tread. 4,866,131, 9-12-89, Cl. 525-96.000.

Fujimaki, Tatsuo: *See—*
  Morikawa, Akihiko; Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Oshima, Noboru; Hamada, Tatsuro; Fukuoka, Hiromi; Komatsu, Hideki; and Fujimaki, Tatsuo, 4,835,216, Cl. 525-77.000.
  Oshima, Noboru; Chikatsu, Yoshishige; Fukuhori, Toshiak; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,812,525, Cl. 525-232.000.
  Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Ota, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.
  Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Shimada, Noboru; Fujinaga, Yoshihisa; Oshima, Noboru; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,824,908, Cl. 525-99.000.

Fujimaki, Yoshihide: *See—*
  Sakai, Eiichi; Okuyama, Yuki; Fujimaki, Yoshihide; Yamasaki, Toshinori; and Ikeuchi, Satoru, 4,868,078, Cl. 430-67.000.

Fujimi Tile Co., Ltd.: *See—*
  Hashimoto, Ryusuke; and Iwata, Mitsuru, 4,874,153, Cl. 264-63.000.

Fujimori, Haruo: *See—*
  Kitamori, Takehiko; Fujimori, Haruo; and Suzuki, Kazumichi, 4,808,828, Cl. 250-458.100.

Fujimori, Hiroyoshi: *See—*
  Nagasaki, Tatsuo; and Fujimori, Hiroyoshi, 4,821,116, Cl. 358-98.000.

Fujimori, Kenichi: *See—*
  Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.

Fujimori Kogyo Co., Ltd.: *See—*
  Ichikawa, Rinjiro; and Ishida, Toshio, 4,802,742, Cl. 350-339.000.
  Nagata, Masanori; Kaneoka, Tsugio; Imano, Shigeki; and Matumoto, Hitoshi, 4,821,573, Cl. 73-597.000.

Fujimori, Naoji; and Imai, Takahiro. Thermistor and method for producing the same. 4,806,900, 2-21-89, Cl. 338-22.00R.

Fujimori, Naoji; and Imai, Takahiro, to Sumitomo Electric Industries, Ltd. Alumina coated with diamond. 4,849,290, 7-18-89, Cl. 428-408.000.

Fujimori, Naoji; Harada, Keizo; Yazu, Shuji; and Jodai, Tetsuji, to Sumimoto Electric Industries, Ltd. Method and apparatus for producing thin film of high to superconductor compound having large area. 4,866,032, 9-12-89, Cl. 505-1.000.

Fujimori, Naoji: *See—*
  Imai, Takahiro; and Fujimori, Naoji, 4,863,529, Cl. 148-33.400.
  Tano, Yasuo; Hosotani, Hisashi; Fujimori, Naoji; and Harada, Keizo, 4,822,359, Cl. 623-6.000.

Fujimori, Shinichiro: *See—*
  Tobe, Akihiro; Fujimori, Shinichiro; Yamazaki, Tomoaki; Sugano, Mamoru; Kikumoto, Ryoji; and Nitta, Issei, 4,814,507, Cl. 564-336.000.

Fujimori, Shoichi: *See—*
  Miyagi, Tokuya; Inoue, Akihisa; Ootsubo, Tasuke; and Fujimori, Shoichi, 4,826,519, Cl. 55-487.000.

Fujimori, Takahiro: *See—*
  Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.

Fujimori, Tohru: *See—*
  Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Iizuka, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.

Fujimori, Tomoo: *See—*
  Maruyama, Takashi; Watanabe, Osamu; Kitahara, Hideki; Fujimori, Tomoo; Soya, Akihiko; and Ootsuki, Kazuhiko, 4,816,859, Cl. 354-400.000.

Fujimori, Toshio; Honda, Takeyuki; Inagaki, Yoji; Yoshida, Fumio; and Akizuki, Seiichi, to Nissan Motor Sales Co., Ltd. Motor vehicle performance test apparatus. 4,848,142, 7-18-89, Cl. 73-117.000.

Fujimori, Toshiro: *See—*
  Fuma, Hiroshi; Itaya, Masahiko; and Fujimori, Toshiro, 4,814,8 Cl. 355-3.0DD.
  Itaya, Masahiko; Fuma, Hiroshi; and Fujimori, Toshiro, 4,822,7 Cl. 430-120.000.

Fujimori, Yashuhiro: *See—*
  Kondo, Tetsujiro; and Fujimori, Yashuhiro, 4,845,560, Cl. 358-133.000.

Fujimori, Yasutomo: *See—*
  Suyama, Toshimitsu; and Fujimori, Yasutomo, 4,879,664, Cl. 364-518.000.

Fujimori, Yoshihiko: *See—*
  Arai, Tetsuyuki; Takemoto, Shigeru; and Fujimori, Yoshihiko, 4,870,693, Cl. 382-8.000.

Fujimoto, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Numerically controlled apparatus including shunting controller. 4,838,8 6-13-89, Cl. 364-474.320.

Fujimoto, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Numerical control machine. 4,862,379, 8-29-89, Cl. 364-474.110.

Fujimoto, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Numerical control device with general purpose setting display. 4,885,6 12-5-89, Cl. 364-474.230.

Fujimoto, Akihiko: *See—*
  Kiyokawa, Morio; and Fujimoto, Akihiko, 4,797,811, Cl. 364-200.000.
  Kiyokawa, Morio; and Fujimoto, Akihiko, 4,825,382, Cl. 364-474.010.

Fujimoto, Daisaburo: *See—*
  Kuboki, Yoshinori; Fujimoto, Daisaburo; Aoki, Hideki; and Fujita, Keijiro, 4,812,404, Cl. 435-175.000.

Fujimoto, Haruaki: *See—*
  Konishi, Yoshihiro; and Fujimoto, Haruaki, 4,823,097, Cl. 333-116.000.

Fujimoto, Haruo. Inflatable pocket life preserver. 4,813,899, 3-21-89, Cl. 441-122.000.

Fujimoto, Hidetoshi: *See—*
  Yamada, Takeshi; Fujimoto, Hidetoshi; Ito, Kenzo; and Hanabusa, Kazunori, 4,812,980, Cl. 364-449.000.

Fujimoto, Hiroaki: *See—*
  Okazaki, Masaki; Sato, Kazutoshi; and Fujimoto, Hiroaki, 4,829,940, Cl. 123-41.390.

Fujimoto, Hiroshi; and Ishikawa, Takatoshi, to Fuji Photo Film Co., Ltd. Method for processing silver halide color photographic material using a chelating agent and developer with substantially no benzyl alcohol. 4,837,132, 6-6-89, Cl. 430-380.000.

Fujimoto, Hiroshi: *See—*
  Asia, Shunichi; Yagihara, Morio; Kishimoto, Shinzo; and Fujimoto, Hiroshi, 4,849,324, Cl. 430-445.000.
  Fujita, Yoshihiro; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Kishimoto, Shinzo, 4,853,?18, Cl. 430-380.000.
  Ishikawa, Takatoshi; Fujimoto, Hiroshi; Ohki, Nobutaka; and Yagihara, Morio, 4,798,783, Cl. 430-372.000.
  Ishikawa, Takatoshi; Koshimizu, Toshio; Fujita, Yoshihiro; and Fujimoto, Hirrshi, 4,835,092, Cl. 430-380.000.
  Ohki, Nobutaka; Seto, Nobuo; Naruse, Hideaki; Yagihara, Morio; Andoh, Kazuto; Ishikawa, Takatoshi; and Fujimoto, Hiroshi, 4,801,521, Cl. 430-380.000.
  Ohki, Nobutaka; Andoh, Kazuto; and Fujimoto, Hiroshi, 4,833,068, Cl. 430-484.000.
  Tanaka, Teruo; Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, 4,812,176, Cl. 148-12.0EA.
  Tanaka, Teruo; Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, 4,824,491, Cl. 148-12.0EA.
  Yagihara, Morio; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Andoh, Kazuto, 4,842,99?, Cl. 430-380.000.

Fujimoto, Hitoshi; and Masuda, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Wire bonding apparatus. 4,877,173, 10-31-89, Cl. 228-1.100.

Fujimoto, Junichi: *See—*
  Kajiyama, Koichi; Saito, Kaoru; Nozue, Yasuhiro; Ito, Noritoshi; Wakabayashi, Osamu; Fujimoto, Junichi; Kowaka, Masahiko; and Itakura, Yasao, 4,829,536, Cl. 372-57.000.

Fujimoto, Junichiroh; and Muroi, Tetsuya, to Ricoh Company, Ltd. Voice recognition system using voice power patterns. 4,827,519, 5-2-89, Cl. 381-42.000.

Fujimoto, Junichiroh: *See—*
  Muroi, Tetsuya; Yasuda, Seigou; Kawamoto, Toshiki; and Fujimoto, Junichiroh, 4,833,713, Cl. 381-43.000.

Fujimoto, Katsunori: *See—*
  Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,806,429, Cl. 428-403.000.
  Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Tasada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,851,292, Cl. 428-403.000.

Fujimoto, Kazuhiro: *See—*
  Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Ono, Hisayoshi; Jovama, Norio; and Fujimoto, Kazuhiro, 4,857,354, Cl. 426-558.000.

Fujimoto, Kenichi; Sato, Maki; and Sugiura, Tsutomu, to Nippon Steel Corporation. Process for the preparation of graphite intercalation compound and novel graphite intercalation compound. 4,795,591, 1-3-89, Cl. 252-506.000.

Fujimoto, Koichi: *See—*
  Suzuki, Masatoshi; Fujikawa, Yoshimasa; and Fujimoto, Koichi, 4,805,024, Cl. 358-213.190.

Fujimoto, Makoto: *See—*
  Kaya, Toshio; and Fujimoto, Makoto, 4,797,177, Cl. 156-630.000.
  Kaya, Toshio; Fujimoto, Makoto; and Nakagawa, Hiroaki, 4,828,640, Cl. 156-248.000.

Fujimoto, Masahiro: *See—*
  Sugimoto, Keiji; Hayashi, Takeo; and Fujimoto, Masahiro, 4,856,656, Cl. 206-523.000.

Fujimoto, Masakazu; and Kogaito, Kikuo, to Ebara Corporation. Method for controlling fluid flow in a tube of a heat exchanger. 4,846,259, 7-11-89, Cl. 165-1.000.

Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, to Nippon Steel Corporation. Apparatus and method for feeding sintering raw mix. 4,871,393, 10-3-89, Cl. 75-5.000.

Fujimoto, Masayuki; Tao, Muneo; and Uchida, Kuniaki, to Matsushita Electric Industrial Co., Ltd. Apparatus for finely raising and lowering a wick of a kerosene heater. 4,847,192, 7-11-89, Cl. 431-88.000.

Fujimoto, Masayuki; Tao, Muneo; and Uchida, Kuniaki, to Matsushita Electric Industrial Co., Ltd. Kerosene heater providing automatic wick repositioning after ignition. 4,872,831, 10-10-89, Cl. 431-73.000.

Fujimoto, Masayuki: *See—*
  Takashima, Tadashi; and Fujimoto, Masayuki, 4,834,064, Cl. 126-96.000.

Fujimoto, Megumi: *See—*
  Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osamu, 4,889,885, Cl. 524-445.000.

Fujimoto, Naonobu; Yorita, Takashi; Yato, Yoshiaki; Nakamura, Yoshinori; and Satoh, Kenji, to Fujitsu Limited. Hierarchical data transmission system. 4,811,341, 3-7-89, Cl. 370-112.000.

Fujimoto, Naonobu: *See—*
  Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, 4,885,746, Cl. 370-102.000.

Fujimoto, Naoshi: *See—*
  Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,828,815, Cl. 423-502.000.

Fujimoto, Nobuaki, to Kitagawa Industries Company, Ltd. Board spacer. 4,856,151, 8-15-89, Cl. 24-453.000.

Fujimoto, Nobuyuki: *See—*
  Kanazawa, Yasunori; Nakamori, Yoshiyuki; Kuwa, Tadahiro; Fujimoto, Nobuyuki; and Abe, Shinichi, 4,811,151, Cl. 360-133.000.

Fujimoto, Osamu: *See—*
  Yoshino, Yutaka; Gotoh, Makoto; Fujimoto, Osamu; and Shizawa, Masahiro, 4,837,814, Cl. 379-144.000.

Fujimoto, Sachito; and Yamashita, Kazunari, to Honda Giken Kogyo Kabushiki Kaisha. Air-fuel ratio feedback control method for internal combustion engines. 4,796,589, 1-10-89, Cl. 123-489.000.

Fujimoto, Sachito; and Hashiguchi, Makoto, to Honda Giken Kogyo Kabushiki Kaisha. Method of controlling operation of internal combustion engines. 4,848,303, 7-18-89, Cl. 123-571.000.

Fujimoto, Sachito: *See—*
  Hosoi, Shuichi; and Fujimoto, Sachito, 4,858,581, Cl. 123-489.000.

Fujimoto, Sakae, to Ricoh Company, Ltd. Sheet setting device for printer and the like. 4,832,519, 5-23-89, Cl. 400-639.100.

Fujimoto, Satoshi, to Kubota Ltd. Propelling drive transmission structure for walking operator type lawn mower. 4,811,552, 3-14-89, Cl. 56-11.800.

Fujimoto, Satoshi: *See—*
  Okabe, Kazuya; Matsuda, Hideyuki; Iwasaki, Chisato; and Fujimoto, Satoshi, 4,853,755, Cl. 357-23.700.

Fujimoto, Seiji: *See—*
  Komatsu, Kenichi; Tawara, Kiyoshi; Nishihara, Eitaro; and Fujimoto, Seiji, 4,817,050, Cl. 364-900.000.

Fujimoto, Shin: *See—*
  Ueno, Ryuzo; Ito, Shigeru; Fujimoto, Shin; and Iwao, Mayumi, 4,804,415, Cl. 106-496.000.

Fujimoto, Shinji, to Kabushiki Kaisha Daikin Seisakusho. Lock-up damper for torque converter. 4,875,562, 10-24-89, Cl. 192-3.280.

Fujimoto, Susumu; and Kobayashi, Shigeo, to Toyo Boseki Kabushiki Kaisha. Polyester resin composition. 4,806,588, 2-21-89, Cl. 524-505.000.

Fujimoto, Tadayuki: *See—*
  Hirota, Shinichiro; Sugawara, Kishio; and Fujimoto, Tadayuki, 4,836,838, Cl. 65-308.000.
  Onishi, Masayoshi; and Fujimoto, Tadayuki, 4,889,033, Cl. 91-6.000.
  Yasukawa, Takeshi; Onishi, Masayoshi; and Fujimoto, Tadayuki, 4,876,948, Cl. 92-99.000.

Fujimoto, Takanori; Hara, Toshiro; and Komurasaki, Satoshi, to Mitsubishi Denki Kabushiki Kaisha. Ignition timing control apparatus for an internal combustion engine. 4,856,479, 8-15-89, Cl. 123-425.000.

Fujimoto, Takanori: *See—*
  Hara, Toshiro; Fujimoto, Takanori; and Muse, Ikuo, 4,875,452, Cl. 123-488.000.

Fujimoto, Takuya: *See—*
  Sakihama, Kazuhisa; and Fujimoto, Takuya, 4,806,789, Cl. 307-297.000.

Fujimoto, Tamotsu: *See—*
  Matsumoto, Masakatsu; Fujimoto, Tamotsu; and Ejiri, Emiko, 4,861,917, Cl. 568-347.000.

Fujimoto, Tatsuo; and Ohya, Tsutomu, to Tokyo Gas Co., Ltd. Gas accident preventive unit. 4,839,790, 6-13-89, Cl. 364-184.000.

Fujimoto, Ted. T.: *See—*
  Swithenbank, Colin; and Fujimoto, Ted. T., 4,877,897, Cl. 560-021.000.

Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, to Shin-Etsu Chemical Co., Ltd. Block-graft copolymer. 4,803,243, 2-7-89, Cl. 525-100.000.

Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, to Shin-Etsu Chemical Co., Ltd. Block-graft polymer and process for producing it. 4,864,003, 9-5-89, Cl. 525-288.000.

Fujimoto, Teruo: *See—*
  Ohata, Masatoshi; Tsutsui, Koichi; Ikedal, Shoji; and Fujimoto, Teruo, 4,853,436, Cl. 525-244.000.

Fujimoto, Tsunetomo, to Mitsubishi Denki Kabushiki Kaisha. Electrical facility. 4,827,379, 5-2-89, Cl. 361-428.000.

Fujimoto, Yoshiki: *See—*
  Nishimoto, Shigeto; Fujimoto, Yoshiki; Inoue, Noriaki; and Harada, Shunji, 4,884,449, Cl. 73-660.000.

Fujimoto, Yuichi: *See—*
  Kawamura, Shigeharu; Obata, Yoshiharu; Fujimoto, Yuichi; and Kabashima, Kinya, 4,825,067, Cl. 250-213.0VT

- Fujimura, Fumio: *See—*
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,849,396, Cl. 503-210.000.
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,853,361, Cl. 503-201.000.
  - Satake, Toshimi; Fukuchi, Tadakazu; Minami, Toshiaki; Nagai, Tomoaki; Kaneko, Toshio; and Fujimura, Fumio, 4,853,362, Cl. 503-209.000.
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,853,363, Cl. 503-210.000.
  - Satake, Toshimi; Nagai, Tomoaki; and Fujimura, Fumio, 4,861,749, Cl. 503-211.000.
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,868,151, Cl. 503-209.000.
- Fujimura, Hidetaka: *See—*
  - Nagata, Yasuhiro; and Fujimura, Hidetaka, 4,871,440, Cl. 204-403.000.
- Fujimura, Hiroshi, to NEC Corporation. Code error detecting circuit. 4,852,103, 7-25-89, Cl. 371-55.000.
- Fujimura, Ikuo: *See—*
  - Hino, Hiromasa; and Fujimura, Ikuo, 4,858,012, Cl. 358-210.000.
  - Moriyama, Motonori; Fujimura, Ikuo; Tanaka, Tsutomu; and Watanabe, Takeshi, 4,804,992, Cl. 354-471.000.
- Fujimura, Koh; Endo, Kenzo; and Saito, Kohei, to Casio Computer Co., Ltd. Liquid crystal apparatus having pressure absorbing means. 4,832,460, 5-23-89, Cl. 350-346.000.
- Fujimura, Koh; Higa, Masakatsu; and Aoki, Hisashi, to Casio Computer Co., Ltd. Drive method for a dual-frequency, dielectric anisotropy liquid crystal optical device. 4,836,654, 6-6-89, Cl. 350-346.000.
- Fujimura, Masaki; and Tadokoro, Toyohiko, to Yamaha Corporation. Set of golf clubs. 4,848,747, 7-18-89, Cl. 273-77.00A.
- Fujimura, Masaki: *See—*
  - Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,798,383, Cl. 273-167.00H.
  - Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,884,812, Cl. 273-167.00H.
  - Sumikawa, Noburoh; and Fujimura, Masaki, 4,867,458, Cl. 273-171.000.
- Fujimura, Naoto; Sakai, Kiyoshi; and Okunuki, Masami, to Canon Kabushiki Kaisha. Electrophotographic photosensitive member and electrophotographic process using the same. 4,835,079, 5-30-89, Cl. 430-58.000.
- Fujimura, Setsuo; Sagawa, Masato; and Matsuura, Yutaka, to Sumitomo Special Metals Co., Ltd. Isotropic permanent magnets and process for producing same. 4,840,684, 6-20-89, Cl. 148-302.000.
- Fujimura, Setsuo; Sagawa, Masato; Matsuura, Yutaka; Yamamoto, Hitoshi; and Togawa, Norio, to Sumitomo Special Metals Co., Ltd. Permanent magnets. 4,859,255, 8-22-89, Cl. 148-302.000.
- Fujimura, Setsuo: *See—*
  - Yamamoto, Hitoshi; Sagawa, Masato; Fujimura, Setsuo; and Matsuura, Yutaka, 4,826,546, Cl. 148-102.000.
- Fujimura, Shoji; and Kawai, Toru, to Shikibo Ltd. Master pattern for upper garments. 4,802,282, 2-7-89, Cl. 33-12.000.
- Fujimura, Shuzo; and Konno, Junichi, to Fujitsu Limited. Ashing process of a resist layer formed on a substrate under fabrication to a semiconductor device. 4,861,424, 8-29-89, Cl. 156-643.000.
- Fujimura, Shuzo; and Konno, Junichi, to Fujitsu Limited. Method for removing an ion-implanted organic resin layer during fabrication of semiconductor devices. 4,861,732, 8-29-89, Cl. 437-229.000.
- Fujimura, Takashi: *See—*
  - Kokabu, Misao; Nakamura, Hitoshi; Fujimura, Takashi; and Hayashi, Nobuyasu, 4,841,315, Cl. 354-1.000.
- Fujimura, Takeo, to Mitsubishi Denki Kabushiki Kaisha. Display device using shadowmask CRT. 4,887,010, 12-12-89, Cl. 315-370.000.
- Fujimura, Tatsuhito; and Sakurai, Motoi, to Mitsui Toatsu Chemicals, Inc. Method of culturing protoplasts. 4,880,744, 11-14-89, Cl. 435-240.460.
- Fujimura, Yoshihiko: *See—*
  - Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, 4,841,312, Cl. 346-160.00R.
  - Saito, Koichi; Akutsu, Eiichi; Fujimura, Yoshihiko; and Inoue, Nanao, 4,799,068, Cl. 346-1.100.
  - Saito, Koichi; Fujimura, Yoshihiko; and Inoue, Nanao, 4,881,089, Cl. 346-140.00R.
- Fujimura, Yoshisaburo; Kataoka, Kenzo; Yuba, Akira; and Komori, Hiroshi, to Kabushiki Kaisha Morita Seisakusho. Medical laser handpiece. 4,826,431, 5-2-89, Cl. 433-29.000.
- Fujinaga, Ryuichi: *See—*
  - Kaneko, Toshimi; Fujinaga, Ryuichi; Morinaga, Tetsuya; Senda, Atsuo; Numata, Toshi; and Kashio, Hideyuki, 4,797,648, Cl. 336-192.000.
- Fujinaga, Shigeki: *See—*
  - Kawaguchi, Takeo; Fujinaga, Shigeki; and Suzuki, Yoshiki, 4,868,162, Cl. 514-50.000.
- Fujinaga, Yoshihisa: *See—*
  - Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Shimada, Noboru; Fujinaga, Yoshihisa; Oshima, Noboru; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,824,908, Cl. 525-99.000.
- Fujinaka, Hiroshi; and Terasawa, Masami, to Kyocera Corporation. Glazed ceramic substrate. 4,806,334, 2-21-89, Cl. 428-631.000.
- Fujinaka, Tatsuo: *See—*
  - Harada, Saburo; and Fujinaka, Tatsuo, 4,869,416, Cl. 228-4.100.
- Fujinami, Hideyuki, to Akebono Brake Industry Co., Ltd. Hydraulic retarder with parking brake. 4,828,079, 5-9-89, Cl. 188-271.000.
- Fujinami, Hideyuki, to Akebono Brake Industry Co., Ltd. Hydrau retarder attached with parking brake. 4,846,716, 7-11-89, C 188-271.000.
- Fujinami, Hiroshi: *See—*
  - Takanabe, Kazunori; Yamamoto, Masaki; Ito, Kenzo; an Fujinami, Hiroshi, 4,890,104, Cl. 340-995.000.
- Fujinami, Minpei: *See—*
  - Yoshizawa, Masahiro; Kikuchi, Akira; Wada, Kou; Fujina Minpei; and Shimazu, Nobuo, 4,851,768, Cl. 324-158.00R.
- Fujino, Akihiko; Ootsuka, Hiroshi; and Izumi, Tatsuro, to Mino Camera Kabushiki Kaisha. Photographic information setting dev for a camera. 4,812,862, 3-14-89, Cl. 354-21.000.
- Fujino, Akihiko; Ootsuka, Hiroshi; and Izumi, Tatsuro, to Mino Camera Kabushiki Kaisha. Photographic information setting dev for a camera. 4,890,134, 12-26-89, Cl. 354-442.000.
- Fujino, Akihiko: *See—*
  - Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujin Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamu Kunio, 4,855,779, Cl. 354-412.000.
  - Izumi, Shuji; Nakai, Masaaki; Fujino, Akihiko; Yamaki, Tosh Mukai, Hiromu; and Taniguchi, Nobuyuki, 4,796,04 C 354-402.000.
  - Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihi Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masa 4,847,651, Cl. 354-471.000.
  - Kawamura, Kunio; Taniguchi, Toshihiko; Oya, Tetsuro; Sa Masatake; Nakai, Masaaki; and Fujino, Akihiko, 4,853,72 C 354-289.100.
  - Nakai, Masaaki; Izumi, Shuji; Fujino, Akihiko; Tanigu Nobuyuki; Yamaki, Toshio; and Mukai, Hiromu, 4,821,07 C 354-402.000.
- Fujino, Hisami: *See—*
  - Okada, Reisuke; and Fujino, Hisami, 4,798,762, Cl. 428-28
- Fujino, Hitoshi; Sawada, Takamasa; Kobayashi, Hiroo; Ohuchi, Osa Yagi, Tadashi; and Hayakawa, Yasuyoshi, to Canon Kabushiki Ka sha. Process cartridge and image forming apparatus using the sa 4,888,620, 12-19-89, Cl. 355-211.000.
- Fujino, Hitoshi: *See—*
  - Kobayashi, Hiroo; Fujino, Hitoshi; Yagi, Tadashi; Adac Nobukazu; Hayakawa, Yasuyoshi; and Setoriyama, Taka 4,873,548, Cl. 355-200.000.
- Fujino, Ikuo: *See—*
  - Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobaya Koji; Fujino, Ikuo; Hagiwara, Hiroshi; and Ogino, Sei 4,855,609, Cl. 290-48.000.
- Fujino, Kazuhiko: *See—*
  - Ueda, Shuji; Nakata, Kunio; Inoue, Mamoru; and Fuji Kazuhiko, 4,829,716, Cl. 51-134.000.
- Fujino, Kiyoshi; and Ueno, Toyoaki, to Ube Industries, Ltd. Inje method of die casting machine. 4,842,038, 6-27-89, Cl. 164-
- Fujino, Kiyoshi: *See—*
  - Umeya, Kaoru; and Fujino, Kiyoshi, 4,830,289, Cl. 241-57.0
  - Waku, Yoshiharu; Yoshioka, Hideho; Oba, Hiroyoshi; and Fuji Kiyoshi, 4,879,074, Cl. 264-24.000.
- Fujino, Kouji: *See—*
  - Hamada, Takeaki; Okada, Akio; Abe, Kiyoshi; Udagawa, Ka suhiro; Okazaki, Fumitoshi; and Fujino, Kouji, 4,837,47 C 5-10.00B.
- Fujino, Masahiko: *See—*
  - Miyake, Akio; Kondo, Masahiro; and Fujino, Masahiko, 4,86 Cl. 540-222.000.
- Fujino, Masaru; Nishioka, Goro; and Sakabe, Yukio. Nonreduc dielectric ceramic composition. 4,859,641, 8-22-89, Cl. 501-13
- Fujino, Shigeaki: *See—*
  - Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Mas Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Sei 4,868,853, Cl. 375-111.000.
- Fujino, Shigeo: *See—*
  - Hase, Takashi; Jinnai, Toshio; Fujino, Shigeo; Hayashi, Mas and Toshinai, Akio, 4,810,416, Cl. 252-301.60R.
- Fujino, Takuo: *See—*
  - Kusumi, Yasuo; Uno, Ken; and Fujino, Takuo, 4,832,27 C 29-527.200.
- Fujino, Tomoya: *See—*
  - Tanabe, Haruo; Ishida, Masaji; Fujino, Tomoya; and Ken Tadahiko, 4,829,167, Cl. 235-384.000.
- Fujino, Toshihiro: *See—*
  - Nishijima, Tamotsu; and Fujino, Toshihiro, 4,870,8 C 72-261.000.
- Fujino, Yasuhiro; Terai, Masayuki; Noda, Tomoyoshi; and Ajio Yoshihide, to Mitsubishi Denki Kabushiki Kaisha. Interconne area decision processor. 4,835,705, 5-30-89, Cl. 364-491.000.
- Fujino, Yasunori; Sugiura, Noboru; and Kobayashi, Ryoichi, to Ni chi, Ltd. Ignition apparatus of electronic distribution type for m cylinder internal combustion engine. 4,836,176, 6-6-8 C 123-640.000.
- Fujino, Yasunori: *See—*
  - Urushiwara, Noriyoshi; Sugiura, Noboru; Fujino, Yasunori; a Kobayashi, Ryoichi, 4,854,292, Cl. 123-630.000.
- Fujino, Yoshiharu; Kawai, Hajime; and Tsunemitsu, Katsuhi Yamada Chemical Co., Ltd. Process for producing 3,3-bis-(4-di thylaminophenyl)-6-dimethylaminophthalide. 4,845,285, 7-4-8 C 549-304.000.

- Fujino, Yoshiharu: *See—*
  - Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,808,567, Cl. 503-220.000.
  - Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,835,291, Cl. 549-304.000.
- Fujino, Youji; and Endoh, Masayasu, to Koito Seisakusho Co., Ltd. Headlight device. 4,831,502, 5-16-89, Cl. 362-61.000.
- Fujio, Jiro, to San-Ei Chemical Industries, Ltd. Disposable plastic container for ices. 4,813,646, 3-21-89, Cl. 249-55.000.
- Fujio, Junichi: *See—*
  - Nakamura, Katsuji; Fujio, Junichi; Hosonuma, Shin; Nakatsuka, Masakatsu; and Nishizawa, Tsutomu, 4,824,882, Cl. 524-89.000.
  - Nishizawa, Tsutomu; Yamada, Yasuyuki; Fujio, Junichi; and Hosonuma, Shin, 4,842,781, Cl. 264-1.300.
- Fujio, Katsunori; and Ishibashi, Setsuo, to Alps Electric Co., Ltd. Bisazo photoconductive film and electrophotographic light-sensitive element using same. 4,851,315, 7-25-89, Cl. 430-79.000.
- Fujio, Nobuhiro: *See—*
  - Tsurumaru, Hidekazu; Fujio, Nobuhiro; Yamasaki, Takeshi; Nishizaki, Toshio; and Negisi, Isao, 4,814,018, Cl. 106-457.000.
- Fujio, Satoshi: *See—*
  - Yamada, Wataru; Fujio, Satoshi; and Nakamura, Kenichi, 4,858,210, Cl. 368-238.000.
- Fujio, Yoshiharu; Matsukuma, Kanemasa; and Nishimoto, Toshihiko, to Daiso Co., Ltd. Organic glass for optical parts. 4,879,363, 11-7-89, Cl. 526-314.000.
- Fujio, Yoshihiko: *See—*
  - Katsuragi, Hifumi; Fujio, Yoshihiko; and Ogita, Kazuyoshi, 4,815,588, Cl. 198-781.000.
- Fujioka, Akio, to Kitagawa Industries Co., Ltd. Electric noise absorber. 4,882,561, 11-21-89, Cl. 336-65.000.
- Fujioka, Arisa; and Kageyama, Satoshi, to Kabushiki Kaisha Toshiba. Method for measuring the maximum gross weight of a motor vehicle. 4,813,004, 3-14-89, Cl. 364-567.000.
- Fujioka, Atsushi; Morimura, Atsushi; Kitamura, Yoshinori; and Matsuoka, Hiroki, to Matsushita Electric Industrial Co., Ltd. System for controlling the amount of light reaching an image pick-up apparatus based on a brightness/darkness ratio weighing. 4,843,476, 6-27-89, Cl. 358-228.000.
- Fujioka, Hideaki; and Takata, Koji, to Sumitomo Electric Industries, Ltd. Wheel spin control apparatus. 4,823,269, 4-18-89, Cl. 364-426.030.
- Fujioka, Hideaki; and Takata, Koji, to Sumitomo Electric Industries, Ltd. Wheel speed control system incorporating in-gear vibration detection and elimination means. 4,875,171, 10-17-89, Cl. 364-508.000.
- Fujioka, Hideaki: *See—*
  - Nishiyama, Yukinori; Fujioka, Hideaki; Yamaguchi, Hisaaki; Ikeda, Toshiki; and Miyoshi, Keisuke, 4,889,093, Cl. 123-400.000.
  - Osada, Hisashi; Fujioka, Hideaki; Kato, Ikuo; and Yamashita, Yoshinari, 4,807,036, Cl. 358-196.000.
- Fujioka, Hironari: *See—*
  - Yamori, Tsunefumi; Shuku, Shigekazu; and Fujioka, Hironari, 4,812,438, Cl. 503-200.000.
  - Yamori, Tsunefumi; Shuku, Sigekazu; and Fujioka, Hironari, 4,833,116, Cl. 503-200.000.
- Fujioka, Hisatake: *See—*
  - Oshima, Hiroshi; Sadakane, Hirofumi; Katayama, Takao; Takakura, Jinnosuke; and Fujioka, Hisatake, 4,882,897, Cl. 56-11.300.
- Fujioka, Junzo: *See—*
  - Nishiyama, Yukio; Fujioka, Junzo; Hino, Haruki; and Miyashita, Takuya, 4,834,036, Cl. 123-188.00A.
- Fujioka, Kazutoshi: *See—*
  - Arai, Masatoshi; Satoh, Shinichi; and Fujioka, Kazutoshi, 4,801,725, Cl. 556-434.000.
  - Satoh, Shinichi; and Fujioka, Kazutoshi, 4,861,908, Cl. 556-420.000.
- Fujioka, Kazuyoshi; and Shori, Kaoru, to Nissan Motor Company, Limited. Clutch drum. 4,813,522, 3-21-89, Cl. 192-70.200.
- Fujioka, Keiji; Sato, Shigeji; Sasaki, Yoshio; Miyata, Teruo; Furuse, Masayasu; and Naito, Hiromi, to Sumitomo Pharmaceuticals Company, Limited; and Koken Co., Ltd. Method for producing sustained release formulation. 4,849,141, 7-18-89, Cl. 264-207.000.
- Fujioka, Keiji: *See—*
  - Yamahira, Yoshiya; Fujioka, Keiji; and Sato, Shigeji, 4,855,134, Cl. 424-85.700.
  - Yamahira, Yoshiya; Okuzawa, Yoshiko; Fujioka, Keiji; Sato, Shigeji; and Ishikawa, Reimei, 4,880,796, Cl. 514-206.000.
- Fujioka, Kotaro: *See—*
  - Hasegawa, Katsumi; Ohno, Michio; Saito, Isao; and Fujioka, Kotaro, 4,863,662, Cl. 264-130.000.
- Fujioka, Shigemitsu: *See—*
  - Shimoda, Isao; and Fujioka, Shigemitsu, 4,867,033, Cl. 84-410.000.
- Fujioka, Tadashi: *See—*
  - Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.
  - Ujino, Koji; and Fujioka, Tadashi, 4,799,079, Cl. 355-14.0SH.
- Fujioka, Takafumi: *See—*
  - Abiko, Atsushi; Fujioka, Takafumi; Nakagawa, Kazuyuki; and Kondo, Kazumi, 4,845,100, Cl. 514-253.000.
  - Banno, Kazuo; Fujioka, Takafumi; Oshiro, Yasuo; and Nakagawa, Kazuyuki, 4,824,840, Cl. 514-218.000.
  - Tamada, Shigeharu; Fujioka, Takafumi; Ogawa, Hidenori; Teramoto, Shuji; and Kondo, Kazumi, 4,886,809, Cl. 514-312.000.
- Fujioka, Takanobu: *See—*
  - Asada, Kenichiro; Mama, Takashi; and Fujioka, Takanobu, 4,796,265, Cl. 372-31.000.
- Fujioka, Takuro: *See—*
  - Obata, Takeo; Takata, Akira; and Fujioka, Takuro, 4,857,775, Cl. 307-468.000.
- Fujioka, Tetsuya: *See—*
  - Koichi, Yasushi; Mizuishi, Haruzi; Funaki, Mutuko; and Fujioka, Tetsuya, 4,885,466, Cl. 250-324.000.
- Fujioka, Toshio: *See—*
  - Yokoi, Katsuyuki; Suga, Shigeru; and Fujioka, Toshio, 4,866,003, Cl. 437-040.000.
- Fujioka, Toshiyuki; Kusunoki, Masahiro; and Osafune, Koji, to Kabushiki Kaisha Toshiba. Floppy disc magnetic head apparatus compatible with both horizontal and perpendicular recording media. 4,803,571, 2-7-89, Cl. 360-63.000.
- Fujioka, Toshiyuki, to Kabushiki Kaisha Toshiba. Carriage device for floppy disk apparatus having head arm with regulating material. 4,849,840, 7-18-89, Cl. 360-104.000.
- Fujioka, Toshiyuki: *See—*
  - Ohashi, Hiroshi; Fujioka, Toshiyuki; Kusunoki, Masahiro; Kimura, Susumu; and Takekado, Shigeru, 4,811,143, Cl. 360-105.000.
- Fujioka, Toyohiko; and Takeshima, Hideki, to Mazda Motor Corporation. Vehicle assembly line. 4,875,280, 10-24-89, Cl. 29-783.000.
- Fujioka, Yasushi: *See—*
  - Nakagawa, Katsumi; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Kanai, Masahiro, 4,851,302, Cl. 428-658.000.
  - Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Murakami, Tsutomu, 4,888,062, Cl. 136-258.000.
  - Saito, Keishi; and Fujioka, Yasushi, 4,887,134, Cl. 357-16.000.
  - Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,804,604, Cl. 430-57.000.
  - Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,818,655, Cl. 430-60.000.
  - Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,824,749, Cl. 430-66.000.
  - Takei, Tetsuya; Saito, Keishi; Aoike, Tatsuyuki; and Fujioka, Yasushi, 4,845,001, Cl. 430-66.000.
- Fujioka, Yoichi: *See—*
  - Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, 4,853,682, Cl. 340-706.000.
- Fujioka, Yoshihide; Shoji, Kazuo; Harada, Shigeyuki; and Ohba, Toshihiro, to Sharp Kabushiki Kaisha. Driving circuit for thin film EL display device. 4,865,182, 9-5-89, Cl. 315-169.300.
- Fujioka, Yoshiki; and Kouno, Shinichi, to Fanuc Ltd. Three-phase induction motor control method. 4,800,327, 1-24-89, Cl. 318-798.000.
- Fujioka, Yoshiki; and Hirota, Mitsuhiko, to Fanuc Ltd. Motor velocity control apparatus. 4,837,491, 6-6-89, Cl. 318-625.000.
- Fujioka, Yoshiki: *See—*
  - Adachi, Shigemi; Nakaosa, Yoshitake; and Fujioka, Yoshiki, 4,812,975, Cl. 364-300.000.
- Fujioka, Yoshitaka: *See—*
  - Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,802,155, Cl. 369-77.200.
  - Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,807,216, Cl. 369-77.200.
- Fujioka, Yoshide: *See—*
  - Shoji, Kazuo; Fujioka, Yosihide; Harada, Shigeyuki; and Ohba, Toshihiro, 4,888,523, Cl. 315-169.300.
- Fujirebio Kabushiki Kaisha: *See—*
  - Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,116, Cl. 546-214.000.
  - Sugiyama, Masami, 4,837,144, Cl. 435-4.000.
- Fujisada, Hiroyuki, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. InSb device manufacturing by anodic oxidation. 4,863,880, 9-5-89, Cl. 437-237.000.
- Fujisaka, Hisato: *See—*
  - Uchida, Yasuo; and Fujisaka, Hisato, 4,827,115, Cl. 235-492.000.
- Fujisaki, Hideaki; Mizuno, Kouzou; Sueto, Yukihiko; and Tsunemitsu, Katsuhiko, to Yamada Chemical Co., Ltd. Chromogenic quinoline compounds. 4,820,841, 4-11-89, Cl. 546-152.000.
- Fujisaki, Hideaki: *See—*
  - Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Okitani, Kiyoshi; and Fujisaki, Hideaki, 4,888,439, Cl. 560-129.000.
- Fujisaki, Hirotaka: *See—*
  - Machida, Takashi; Miyake, Kou; Fujisaki, Hirotaka; and Mouri, Hiroshi, 4,882,767, Cl. 455-117.000.
- Fujisaki, Hisashi, to NEC Corporation. Voice controlled dialer with separate memories for any users and authorized users. 4,853,953, 8-1-89, Cl. 379-88.000.
- Fujisaki, Kiyonori. Small sized electric motor. 4,868,433, 9-19-89, Cl. 310-40.0MM.
- Fujisaki, Koichiro; Ohashi, Ryota; and Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg. Co., Ltd. HST (hydrostatic transmission) containing axle drive apparatus. 4,856,368, 8-15-89, Cl. 74-606.00R.

Fujisaki, Koichiro: *See—*

Yamaoka, Kojiro; Azuma, Toshiro; Fujisaki, Koichiro; and Okada, Hideaki, 4,882,940, Cl. 74-15.66I.

Fujisaki, Kunio, to Hitachi, Ltd. IC card having a function to exclude erroneous recording. 4,877,945, 10-31-89, Cl. 235-379.000.

Fujisaki, Kunio: *See—*

Oomura, Masatoshi; Miyata, Takahiko; Fujisaki, Kunio; and Shirahase, Tsutomu, 4,868,372, Cl. 235-380.000.

Fujisaki, Masaru: *See—*

Asai, Susumu; Sugimoto, Haruhide; Fujisaki, Masaru; Shigetomi, Tadatoshi; and Kobayashi, Hisatoshi, 4,887,687, Cl. 180-219.000.

Fujisaki, Tadashi: *See—*

Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, 4,819,395, Cl. 52-309.160.

Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noboru; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.

Fujisaki, Yoshinori; and Ida, Kazuo, to Yoshida Kogyo K. K. Separable slide fastener. 4,870,724, 10-3-89, Cl. 24-433.000.

Fujisash Company: *See—*

Hinoda, Yuji, 4,808,280, Cl. 204-37.600.

Fujisawa, Akihiko: *See—*

Morito, Makoto; Takeuchi, Masao; Fujisawa, Akihiko; Tabei, Yukio; and Takahashi, Keiko, 4,868,879, Cl. 381-43.000.

Fujisawa, Akihito: *See—*

Matsuda, Tuyoshi; Tamiya, Toru; and Fujisawa, Akihito, 4,852,032, Cl. 364-708.000.

Fujisawa, Eiichi, to Nissan Motor Co., Ltd. Fuel control apparatus for engine. 4,864,999, 9-12-89, Cl. 123-492.000.

Fujisawa, Hidemitsu: *See—*

Hattori, Michinobu; Fujisawa, Hidemitsu; and Kusaura, Akio, 4,877,667, Cl. 428-64.000.

Fujisawa, Hidetaka: *See—*

Yanai, Tsuguo; Inagaki, Yukio; Matsuo, Shoji; and Fujisawa, Hidetaka, 4,806,923, Cl. 340-784.000.

Fujisawa, Hiromichi; Higashino, Junichi; and Hatakeyama, Atushi, to Hitachi, Ltd. Document filing system with knowledge-base network of concept interconnected by generic, subsumption, and superclass relations. 4,868,733, 9-19-89, Cl. 364-200.000.

Fujisawa, Junichi: *See—*

Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.

Fujisawa, Katsuhide; Takanaka, Toshimasa; Buseki, Hiroo; and Takahashi, Masakatsu, to Nippon Reinz Co., Ltd. Joint means having flanges. 4,802,698, 2-7-89, Cl. 285-363.000.

Fujisawa, Katsuya: *See—*

Kawatsuki, Nobuhiro; Fujisawa, Katsuya; Matsuzaki, Ichiro; and Uetsuki, Masao, 4,842,969, Cl. 430-5.000.

Fujisawa, Masanori, to Sanyo Electric Co., Ltd. Amplifier for amplifying input signal voltage and supplying the same. 4,801,889, 1-31-89, Cl. 330-84.000.

Fujisawa, Mitsuo. Pleated cloth and method for producing the same. 4,879,155, 11-7-89, Cl. 428-131.000.

Fujisawa, Norio; Sakamoto, Toshishige; Ito, Toshiyasu; and Shimada, Junichi, to Toyoda Gosei Co., Ltd. Cover for car lamps. 4,872,745, 10-10-89, Cl. 350-357.000.

Fujisawa Pharmaceutical Co., Ltd.: *See—*

Hashimoto, Masashi; Oku, Teruo; Ito, Yoshi[illegible]; Namiki, Takayuki; Sawada, Kozo; Kasahara, Chiyoshi; and Baba, Yukihisa, 4,883,800, Cl. 514-259.000.

Hirayama, Shigemitsu; Akashi, Takamichi; Ikuta, Akio; Sasaki, Isao; and Fukuda, Hiroshi, 4,872,974, Cl. 210-90.000.

Kamuro, Yasuo; Kawai, Tadahide; and Kakiuchi, Toshihito, 4,846,872, Cl. 71-86.000.

Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.

Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.

Matsuo, Masaaki; Tsuji, Kiyoshi; and Konishi, Nobukiyo, 4,866,091, Cl. 514-471.000.

Matsuo, Masaaki; Morino, Daizo; Tsuji, Kiyoshi; and Okumura, Hiroyuki, 4,885,297, Cl. 514-253.000.

Matsushita, Souji; Shimizu, Setsuro; Takeuchi, Toru; and Tahara, Susumu, 4,828,619, Cl. 106-95.000.

Murata, Masayoshi; Tsutsumi, Hideo; Matsuda, Keiji; Hattori, Kohji; and Nakajima, Takashi, 4,822,787, Cl. 514-210.000.

Nakai, Takeshi; and Chiba, Toshiyuki, 4,845,210, Cl. 540-200.000.

Okamoto, Masanori; Uchida, Itsuo; Umehara, Kazuyoshi; Kohsaka, Masanobu; and Imanaka, Hiroshi, 4,797,417, Cl. 514-473.000.

Okamoto, Masanori; Iwami, Morita; Takase, Shigehiro; Uchida, Itsuo; Umehara, Kazuyoshi; Konsaka, Masanobu; and Imanaka, Hiroshi, 4,863,926, Cl. 514-255.000.

Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; Kayakiri, Hiroshi; and Hashimoto, Masashi, 4,857,513, Cl. 514-76.000.

Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; and Kayakiri, Hiroshi, 4,889,851, Cl. 514-223.200.

Okada, Kiyoshi; [illegible], Kiyonori; Ohtomo, Kazumi; and Nakata, Keiko, 4,846,801, Cl. [illegible]

Shimazaki, Norihiko; Hemmi, Keiji; Nakaguti, Osamu; Miyata, Yoshio; and Hashimoto, Masashi, 4,806,538, Cl. 514-253.000.

Shiokawa, Youichi; Nagano, Masanobu; and Itani, Hiromichi, 4,831,041, Cl. 514-300.000.

Takasugi, Hisashi; Ito, Kiyotaka; Nishino, Shigetaka; Tanaka, Akito; and Takaya, Takao, 4,822,805, Cl. 514-341.000.

Takasugi, Hisashi; Kuno, Atsushi; Sakai, Hiroyoshi; Sugiyama, Yoshie; and Takaya, Takao, 4,831,030, Cl. 514-252.000.

Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,804,752, Cl. 540-227.000.

Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyosha; and Chiba, Toshiyuki, 4,822,888, Cl. 548-195.000.

Takaya, Takao; Murata, Masayoshi; and Ito, Kiyotaka, 4,824,851, Cl. 514-274.000.

Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyoshi; and Chiba, Toshiyuki, 4,841,062, Cl. 548-194.000.

Takaya, Takao; Takasugi, Hisashi; Esumi, Kimio; Kuno, Atsushi; Sakai, Hiroyoshi; Maeda, Kazuhiro; and Sakamoto, Yoshio, 4,857,527, Cl. 514-237.200.

Takaya, Takao; Tozuka, Zenzoburo; Yasuda, Nobuyoshi; and Nishimura, Shintaro, 4,861,769, Cl. 514-202.000.

Takaya, Takao; and Inamoto, Yoshiko, 4,868,174, Cl. 514-202.000.

Takaya, Takao; Tozuka, Zenzaburo; Yasuda, Nobuyoshi; and Kawabata, Kohji, 4,871,730, Cl. 514-206.000.

Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,871,860, Cl. 548-195.000.

Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,877,873, Cl. 544-227.000.

Takenawa, Seishi; Shiomi, Toshinori; and Yamochi, Motoko, 4,830,871, Cl. 426-634.000.

Takenawa, Seishi; Ueda, Mikio; and Takeda, Hideki, 4,842,873, Cl. 426-49.000.

Ueda, Ikuo; Matsuo, Masaaki; Tsuji, Kiyoshi; Okumura, Hiroyuki; and Nakaguchi, Osamu, 4,797,399, Cl. 514-253.000.

Ueda, Yoshio; Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,871,549, Cl. 424-494.000.

Ueda, Yoshio; Asakura, Sotoo; Murakami, Yoshio; and Nakata, Toshiomi, 4,889,721, Cl. 424-448.000.

Yagi, Hideo; and Takeuchi, Toru, 4,808,641, Cl. 524-5.000.

Yamaguchi, Isamu; and Hirosumi, Jiro, 4,859,688, Cl. 514-344.000.

Yoshida, Masaru; and Horikoshi, Koki, 4,803,074, Cl. 424-122.000.

Fujisawa, Satoko. Opening structure for paper beverage containers. 4,883,222, 11-28-89, Cl. 229-160.200.

Fujisawa, Shigemi: *See—*

Kano, Osamu; Yamada, Yukiyoshi; Fujisawa, Shigemi; and Yasuguchi, Masayuki, 4,824,030, Cl. 241-39.000.

Fujisawa, Shotaro, to Fujiyama Giken Co., Ltd. Method and apparatus for successively applying thermoshrinkable tubular labels to containers. 4,806,187, 2-21-89, Cl. 156-86.000.

Fujisawa, Shuji: *See—*

Sakao, Shingo; Tone, Eiichi; Fujisawa, Shuji; Tsuda, Takeshi; Ohata, Yousuke; and Hiraoka, Hiroshi, 4,851,873, Cl. 355-245.000.

Yamamoto, Haruo; Ichihashi, Takao; Fujisawa, Shuji; Tone, Eiichi; and Tsuda, Takeshi, 4,860,053, Cl. 355-245.000.

Fujisawa, Syuichi: *See—*

Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaaki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,825,436, Cl. 370-102.000.

Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaaki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,845,436, Cl. 328-14.000.

Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaaki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,873,684, Cl. 370-102.000.

Fujisawa, Toru: *See—*

Takehara, Sadao; Fujisawa, Toru; Arai, Yoshi; and Kurokawa, Jitsuo, 4,828,754, Cl. 252-299.650.

Fujisawa, Yoshihisa: *See—*

Fukata, Akio; and Fujisawa, Yoshihisa, 4,867,486, Cl. 285-222.000.

Fujisawa, Yoshikazu; Hayashi, Tadayoshi; Ushio, Hideaki; and Shibata, Kazuo, to Honda Giken Kogyo Kabushiki Kaisha. Cooperating slidable aluminum alloy members. 4,868,067, 9-19-89, Cl. 428-614.000.

Fujisawa, Yoshikazu: *See—*

Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Fujisawa, Yoshikazu; and Hata, Tsunehisa, 4,817,578, Cl. 123-668.000.

Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Hata, Tsunehisa; and Fujisawa, Yoshikazu, 4,856,462, Cl. 123-41.86

Fujishima, Akiko: *See—*

Watanabe, Yoshihisa; Takeda, Makoto; Kinoshita, Hisao; and Fujishima, Akiko, 4,849,496, Cl. 528-271.000.

Fujishima, Kazuyasu, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device comprising programmable redundancy circuit. 4,839,864, 6-13-89, Cl. 365-200.000.

Fujishima, Kazuyasu: *See—*

Hidaka, Hideto; Fujishima, Kazuyasu; Ozaki, Hideyuki; and Hirayama, Kazutoshi, 4,835,743, Cl. 365-193.000.

Hidaka, Hideto; Fujishima, Kazuyasu; and Matsuda, Yoshio, 4,890,261, Cl. 365-73.000.

Hirayama, Kazutoshi; Ozaki, Hideyuki; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,833,650, Cl. 365-225.700.

Konishi, Yasuhiro; Fujishima, Kazuyasu; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; and Dosaka, Katsumi, 4,809,230, Cl. 365-189.000.

Matsuda, Yoshio; Miyatake, Hideshi; and Fujishima, Kazuyasu, 4,811,304, Cl. 365-233.000.

Matsuda, Yoshio; and Fujishima, Kazuyasu, 4,833,645, Cl. 365-149.000.

Matsuda, Yoshio; and Fujishima, Kazuyasu, 4,887,136, Cl. 357-23.600.

Ozaki, Hideyuki; Hirayama, Kazutoshi; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,808,844, Cl. 307-243.000.

Tsukamoto, Katsuhiro; Shimizu, Masahiro; Fujishima, Kazuyasu; and Matsuda, Yoshio, 4,855,953, Cl. 365-149.000.

Fujishima, Masakazu, to Yamaha Corporation. Dropout detection device for an optical type disc playback device. 4,835,758, 5-30-89, Cl. 369-58.000.

Fujishiro, Keisuke, to Hitachi, Ltd. Apparatus for mounting electric parts. 4,868,973, 9-26-89, Cl. 29-740.000.

Fujishiro, Kenji: *See—*

Ueda, Shuji; Shibuya, Chiuji; Kanehisa, Takashi; Fujishiro, Kenji; and Mochida, Shoro, 4,866,258, Cl. 235-472.000.

Fujishiro, Koichi: *See—*

Mitamura, Shuichi; Fujishiro, Koichi; and Inoue, Hiroharu, 4,820,868, Cl. 562-482.000.

Fujishiro, Masami: *See—*

Gotou, Toyokichi; and Fujishiro, Masami, 4,850,718, Cl. 383-20.000.

Fujishiro, Nobuo: *See—*

Hasumoto, Toshiharu; Kashiwada, Kunio; Konishi, Minoru; and Fujishiro, Nobuo, 4,874,403, Cl. 55-55.000.

Fujishiro, Takeshi: *See—*

Negishi, Kenji; Sasaki, Hidemi; and Fujishiro, Takeshi, 4,873,598, Cl. 360-106.000.

Fujishita, Masakatsu: *See—*

Manaka, Toshio; Teragakiuchi, Akira; Sakamoto, Masahide; Nagano, Masami; Fujishita, Masakatsu; and Miyake, Junji, 4,862,855, Cl. 123-489.000.

Fujita, Akihiko: *See—*

Oikawa, Ryuetsu; and Fujita, Akihiko, 4,839,937, Cl. 16-2.000.

Fujita, Akihiro: *See—*

Ishikawa, Muneharu; Akiyama, Kouichi; Ito, Eiichi; Kawamura, Masunori; and Fujita, Akihiro, 4,830,494, Cl. 356-336.000.

Fujita, Akihito: *See—*

Okamura, Chikaaki; Fujita, Akihito; Nagao, Tamotu; and Yoshida, Fumihiko, 4,865,904, Cl. 428-215.000.

Fujita, Akio: *See—*

Moriyama, Osamu; Fujita, Akio; and Saito, Hiroshi, 4,816,281, Cl. 426-144.000.

Fujita, Akira: *See—*

Sugimoto, Naohiko; and Fujita, Akira, 4,883,577, Cl. 204-299.00R.

Fujita, Atsushi: *See—*

Seto, Yutaka; Suzuki, Shigehiro; Suzuki, Tomohiro; Fujita, Atsushi; Tai, Akira; and Yoshino, Masahiro, 4,881,103, Cl. 355-251.000.

Fujita, Bunichi; and Kawashima, Seiichi, to Hitachi, Ltd. System for feeding clock signals. 4,847,516, 7-11-89, Cl. 307-269.000.

Fujita, Fumiyoshi: *See—*

Sakamaki, Yosio; Ideshita, Yuji; Fujita, Fumiyoshi; and Sugiyama, Takashi, 4,883,079, Cl. 132-318.000.

Fujita, Haruo: *See—*

Sugahara, Keishin; Imamura, Takayuki; Hamada, Fukusaburo; Ohtomo, Nobuya; Fujita, Haruo; and Yagami, Kazuhide, 4,839,277, Cl. 435-7.000.

Fujita, Haruyasu; Hirosawa, Yoshiaki; Hikichi, Koichi; Sato, Morio; Hirakata, Yoshiaki; and Ito, Toshifumi, to Honda Giken Kogyo Kabushiki Kaisha. Reverse drive for small vehicles. 4,869,332, 9-26-89, Cl. 180-65.200.

Fujita, Hironori: *See—*

Arai, Tohru; Fujita, Hironori; Sugimoto, Yoshihiko; Ohta, Yukio; Moriyama, Shigeo; and Sato, Akira, 4,818,351, Cl. 204-39.000.

Ohta, Yukio; Moriyama, Shigeo; Sato, Akira; Arai, Tohru; Fujita, Hironori; and Sugimoto, Yoshihiko, 4,804,445, Cl. 204-39.000.

Fujita, Hiroya, to Toyota Jidosha Kabushiki Kaisha. Camshaft apparatus for an internal combustion engine. 4,840,149, 6-20-89, Cl. 123-90.310.

Fujita, Hiroyuki; Yoshida, Iwao; Takagi, Mitsuo; Manabe, Sadao; and Fukai, Konosuke, to Research Foundation for Microbial Diseases of Osaka University. The Flavivirus antigen. 4,810,492, 3-7-89, Cl. 424-88.000.

Fujita, Hisanori; Kanayama, Masaaki; and Okano, Takeshi, to Mitsubishi Monsanto Chemical Co., Ltd.; and Mitsubishi Chemical Industries, Ltd. Gallium arsenide phosphide mixed crystal epitaxial wafer with a graded buffer layer. 4,865,655, 9-12-89, Cl. 148-33.000.

Fujita, Hisanori: *See—*

Okano, Takeshi; Fujita, Hisanori; and Nishihara, Eiichiro, 4,865,682, Cl. 156-624.000.

Fujita, Hisao, to Konishiroku Photo Industry Co., Ltd. Scanning optical system. 4,802,721, 2-7-89, Cl. 350-6.800.

Fujita, Hisashi: *See—*

Yagi, Hiroshi; Fujita, Hisashi; Harada, Yoshio; and Takahashi, Kenichi, 4,881,319, Cl. 29-840.000.

Fujita, Ichiro: *See—*

Watanabe, Kiyoshi; Takeuchi, Tohru; Ohtake, Hideaki; and Fujita, Ichiro, 4,816,424, Cl. 437-190.000.

Fujita, Itaru: *See—*

Kemi, Ryuichi; Takahashi, Kazuo; and Fujita, Itaru, 4,825,247, Cl. 355-55.000.

Fujita, Iwao; Masuna, Masahiro; and Umemura, Tamiki, to Shotoku Ltd. Apparatus for loading television camera or the like. 4,821,106, 4-11-89, Cl. 358-229.000.

Fujita, Jun; Nakanishi, Yoshinori; Oda, Etsuzi; and Yamashita, Kazutaka, to Toshiba Machine Co., Ltd. Acceleration control apparatus. 4,808,895, 2-28-89, Cl. 318-384.000.

Fujita, Kao, to Yamaha Corporation. Apparatus for generating tones by use of a waveform memory. 4,809,577, 3-7-89, Cl. 84-1.010.

Fujita, Katsuto: *See—*

Nagata, Tsuyoshi; Nakamune, Kenichi; and Fujita, Katsuto, 4,832,580, Cl. 417-290.000.

Fujita, Kazuhisa: *See—*

Sakurai, Kaoru; Murakami, Harunori; Mizukami, Hikaru; and Fujita, Kazuhisa, 4,873,532, Cl. 343-713.000.

Fujita, Kazunori: *See—*

Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru; and Matsuda, Shinpei, 4,879,192, Cl. 429-198.000.

Fujita, Kazuo. Electrically-operated folding stage system. 4,872,295, 10-10-89, Cl. 52-7.000.

Fujita, Keijiro: *See—*

Kuboki, Yoshinori; Fujimoto, Daisaburo; Aoki, Hideki; and Fujita, Keijiro, 4,812,404, Cl. 435-175.000.

Fujita, Kenji: *See—*

Abe, Seiichi; Fujita, Kenji; and Nakao, Toshiyuki, 4,821,946, Cl. 228-180.200.

Fujita, Koetsu: *See—*

Yanase, Takao; and Fujita, Koetsu, 4,849,621, Cl. 250-211.00K.

Fujita, Kohtaroh; Wachi, Toshio; and Ikeda, Yoshiaki, to Sakai Chemical Industry Co., Ltd. Method for preparation of antimony mercaptides. 4,873,351, 10-10-89, Cl. 556-76.000.

Fujita, Kozo: *See—*

Mizutani, Junji; and Fujita, Kozo, 4,795,532, Cl. 203-11.000.

Fujita, Makoto: *See—*

Hiyama, Tamejiro; and Fujita, Makoto, 4,864,052, Cl. 558-407.000.

Fujita, Manabu: *See—*

Fujikura, Yoshiaki; Kitsuki, Tomohito; Fujita, Manabu; and Toi, Nao, 4,839,340, Cl. 512-9.000.

Fujita, Masafumi; Yamade, Yasushi; and Saijo, Takao, to Minolta Camera Kabushiki Kaisha. Negative/positive microfilm discriminating system. 4,835,577, 5-30-89, Cl. 355-68.000.

Fujita, Masafumi; Yamade, Yasushi; and Saijo, Takao, to Minolta Camera Kabushiki Kaisha. Negative/positive microfilm discriminating system. 4,885,605, 12-5-89, Cl. 355-41.000.

Fujita, Masafumi: *See—*

Ito, Masaaki; Ueda, Nobuo; and Fujita, Masafumi, 4,825,243, Cl. 355-41.000.

Saijo, Takao; and Fujita, Masafumi, 4,803,505, Cl. 354-80.000.

Fujita, Masahito: *See—*

Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga, and Fujita, Masahito, 4,857,267, Cl. 419-31.000.

Fujita, Masami: *See—*

Watanabe, Koji; Yagi, Michio; Isoguchi, Seiichi; Harada, Satoshi; and Fujita, Masami, 4,827,304, Cl. 354-435.000.

Fujita, Masanori, to Seikosha Co., Ltd. Method for driving a ferroelectric liquid crystal optical apparatus using superposed DC and AC driving pulses to attain intermediate tones. 4,834,510, 5-30-89, Cl. 350-350.00S.

Fujita, Masatoshi: *See—*

Shinozawa, Yusaku; Komatu, Atuyoshi; Okada, Masahiro; Yamada, Hiroshi; and Fujita, Masatoshi, 4,809,529, Cl. 72-31.000.

Fujita, Michiru, to Fuji Electric Co., Ltd. Coil for generating a homogeneous magnetic field. 4,890,082, 12-26-89, Cl. 335-301.000.

Fujita, Minoru; and Shibata, Hirotaka, to Yamaha Hatsudoki Kabushiki Kaisha. Control device for vehicle. 4,805,572, 2-21-89, Cl. 123-352.000.

Fujita, Minoru; and Fukushima, Yoichi, to Kyodo Printing Co., Ltd. Preformatted optical recording card and method of producing the same. 4,877,713, 10-31-89, Cl. 430-270.000.

Fujita, Minoru: *See—*

Kakinuma, Yuji; and Fujita, Minoru, 4,860,275, Cl. 369-109.000.

Kato, Yoshitake; and Fujita, Minoru, 4,851,948, Cl. 360-133.000.

Fujita, Mitsuo: *See—*

Yoshino, Syuji; Makino, Satoshi; Fujita, Mitsuo; and Shimizu, Yukio, 4,839,204, Cl. 428-358.000.

Fujita, Mituo: *See—*

Wada, Tadafuto; and Fujita, Mituo, 4,826,558, Cl. 156-384.000.

Fujita, Motoyoshi; Kunuki, Akikazu; Uemura, Noboru; Kotani, Tsutomu; Shunpei, Saeki; and Kawano, Toshiharu, to TDK Corporation. Demagnetizer for a magnetic head of a cassette tape recorder. 4,849,843, 7-18-89, Cl. 360-128.000.

Fujita, Munehisa: *See—*

Ikeda, Hideo; Fujita, Munehisa; Ishimaru, Shingo; Ayato, Hiroshi; and Urabe, Shigeharu, 4,806,461, Cl. 430-567.000.

Fujita, Nagahisa: *See—*

Okuno, Itaru; Fujita, Nagahisa; and Kaneko, Tadashi, 4,833,612, Cl. 364-426.040.

Fujita, Naoki: *See—*

Shima, Atsushi; Fujita, Naoki; and Kamada, Kozo, 4,823,253, Cl. 364-167.010.

Fujita, Naoshi; Oe, Motoaki; Yoshida, Hitoshi; Takeuchi, Yukihisa; and Ueda, Naoki, to Inoue MTP Kabushiki Kaisha; and Nippondenso Co., Ltd. Porous molded product and process for preparing the same. 4,816,33[illegible], 3-28-89, Cl. 428-304.400.

Fujita, Nobuhiko: *See—*

Itozaki, Hideo; Tanaka, Saburo; Fujita, Nobuhiko; Yazu, Shuji; and Jodai, Tetsuji, 4,880,773, Cl. 505-1.000.

- Fujita, Norio: *See—*
  - Miyazaki, Shizuo; and Fujita, Norio, 4,814,208, Cl. 427-402.000.
- Fujita, Ryuji: *See—*
  - Yamamoto, Shigehisa; Fujita, Ryuji; Sanada, Kazutoshi; and Horiishi, Nanao, 4,828,916, Cl. 428-329.000.
- Fujita, Sanae: *See—*
  - Masamizu, Koji; Hirokawa, Shinya; and Fujita, Sanae, 4,839,395, Cl. 521-56.000.
- Fujita, Satoshi; Nakai, Eiji; and Noike, Akira, to Asahi Denka Kogyo Kabushiki Kaisha; and Nippon Shoji Kaisha, Ltd. Surfactant composition having improved functions. 4,849,132, 7-18-89, Cl. 252-356.000.
- Fujita, Satoshi: *See—*
  - Nakamura, Tadashi; Fujita, Satoshi; and Ishida, Eiichi, 4,886,135, Cl. 180-68.100.
- Fujita, Setsuya: *See—*
  - Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuya; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.
- Fujita, Shigeru; Banzai, Hideo; and Takada, Makoto, to Toshiba Kikai Kabushiki Kaisha. Monitoring data display device. 4,862,385, 8-29-89, Cl. 364-518.000.
- Fujita, Shigeru: *See—*
  - Ikeda, Go; Sasaki, Kiyoshi; Kumazaki, Hiroshi; Fujita, Shigeru; and Banzai, Hideo, 4,841,459, Cl. 364-557.000.
  - Kamiyama, Takashi; and Fujita, Shigeru, 4,822,269, Cl. 425-203.000.
- Fujita, Shigeyoshi; Sasaki, Tomoyuki; Fukuhara, Kazuyoshi; and Nishikawa, Hiroshi, to Daifuku Co., Ltd. Rail vehicle conveying system and rail covers therefor. 4,823,704, 4-25-89, Cl. 104-247.000.
- Fujita, Shinichi, to Yamaha Corporation. Stereophonic signal processing circuit. 4,841,573, 6-20-89, Cl. 381-27.000.
- Fujita, Shinichi: *See—*
  - Toi, Hiroshi; Fujita, Shinichi; and Uragaki, Makoto, 4,815,056, Cl. 369-36.000.
- Fujita, Shuji; Yoshimura, Shoji; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, to MECT Corporation. Un-natural ceramide related compounds and preparation thereof. 4,880,572, 11-14-89, Cl. 260-404.000.
- Fujita, Sinji: *See—*
  - Sonoda, Akikazu; Fujita, Sinji; Sato, Masanobu; Tomono, Syoji; and Nakamura, Hisanori, 4,855,560, Cl. 219-86.250.
- Fujita, Sumikazu: *See—*
  - Oyanagi, Shigeru; Fujita, Sumikazu; and Nakamura, Sadao, 4,815,005, Cl. 364-513.000.
- Fujita, Tadao, to Ebara Corporation. Apparatus for controlling boiler system. 4,860,696, 8-29-89, Cl. 122-448.00B.
- Fujita, Tadao, to Sony Corporation. Error detection circuit. 4,872,170, 10-3-89, Cl. 371-30.000.
- Fujita, Taira; Hayashi, Yoshiaki; and Okayasu, Hiroshi, to Sumitomo Chemical Company, Limited. Process for producing dioxazine violet pigment. 4,804,417, 2-14-89, Cl. 106-498.000.
- Fujita, Takashi; Hihara, Toshio; Kogure, Yoshio; Sekioka, Riyouichi; and Nakamura, Noboru, to Mitsubishi Kasei Corp. Mixtures of water-soluble red and yellow or blue reactive dyes and a method of dyeing cellulosic fibers using such dye mixtures. 4,872,881, 10-10-89, Cl. 8-549.000.
- Fujita, Takashi: *See—*
  - Matsuura, Mitsuyuki; Fujita, Takashi; and Hirakawa, Katsumi, 4,814,314, Cl. 502-112.000.
  - Matsuura, Mitsuyuki; and Fujita, Takashi, 4,822,763, Cl. 502-113.000.
  - Matsuura, Mitsuyuki; and Fujita, Takashi, 4,870,043, Cl. 502-116.000.
- Fujita, Takayuki; Iwasaki, Yoshiya; and Yabe, Hiroko, to Shikoku Chemicals Corporation. Chemotherapeutant composition. 4,798,844, 1-17-89, Cl. 514-399.000.
- Fujita, Takeshi: *See—*
  - Meguro, Kanji; Fujita, Takeshi; Hatanaka, Chitoshi; and Ooi, Satoru, 4,812,570, Cl. 546-280.000.
- Fujita, Takuo: *See—*
  - Koike, Kiyoshi; Fujita, Takuo; and Morita, Rikushi, 4,845,747, Cl. 378-208.000.
- Fujita, Tatsuo: *See—*
  - Harada, Terumaru; Inoda, Kenichi; Fujita, Tatsuo; and Adachi, Kinichi, 4,870,821, Cl. 60-520.000.
- Fujita, Teruo, to Mitsubishi Denki Kabushiki Kaisha. Focused-spot-position detection device for optical information recording and reproducing device. 4,888,757, 12-19-89, Cl. 369-46.000.
- Fujita, Tetsuo: *See—*
  - Matsuoka, Hiroo; Toida, Tsutomu; Takinami, Takao; Takenaka, Senji; and Fujita, Tetsuo, 4,855,124, Cl. 423-574.00L.
- Fujita, Tetsuya: *See—*
  - Konno, Tetsuro; Kanai, Yutaka; and Fujita, Tetsuya, 4,797,695, Cl. 346-160.000.
- Fujita, Tokiyo: *See—*
  - Suyama, Tomio; Yatori, Masahide; and Fujita, Tokiyo, 4,827,732, Cl. 62-233.000.
- Fujita, Tomohiro; and Kawano, Ryuji, to Akebono Brake Industry Co., Ltd. Anti-lock control apparatus for air over hydraulic brake system. 4,889,395, 12-26-89, Cl. 303-115.000.
- Fujita, Toshiaki: *See—*
  - Nakamura, Yasuyuki; Hashimoto, Adio; Fujita, Toshiaki; and Kawakami, Makoto, 4,826,736, Cl. 428-613.000.
- Fujita, Toshiharu, to Sanyu Co., Ltd. Universal joint. 4,826,342, 5-2-89, Cl. 403-57.000.
- Fujita, Toshihito: *See—*
  - Nakazawa, Kogi; and Fujita, Toshihito, 4,840,755, Cl. 264-15.000.
- Fujita, Toshio; Yamashita, Yoshisato; Yoshida, Shigemitsu; and Yamahira, Katsutoshi, to Chisso Corporation. Granuler fertilizer with a degradative coating. 4,881,963, 11-21-89, Cl. 71-64.070.
- Fujita, Toshio: *See—*
  - Hashimoto, Katukuni; Oguro, Yasuo; and Fujita, Toshio, 4,844,755, Cl. 148-325.000.
- Fujita, Toshiyuki: *See—*
  - Kobayashi, Akihiro; Fujita, Toshiyuki; Saito, Takayuki; Kawai, Hiromasa; Hosoi, Yutaka; and Shibata, Hideaki, 4,868,261, Cl. 526-262.000.
- Fujita, Toyohiko: *See—*
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,801,892, Cl. 330-288.000.
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,804,927, Cl. 330-288.000.
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Mito, Kazuhisa, 4,825,104, Cl. 307-355.000.
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,859,966, Cl. 330-288.000.
- Fujita, Tsutomu; Togawa, Yoshiaki; Yasui, Seimei; and Kikuchi, Toshitsugu, to Sumitomo Chemical Company, Limited. Optical foam-spacer disk assembly. 4,870,429, 9-26-89, Cl. 346-137.000.
- Fujita, Tsutomu: *See—*
  - Hashimoto, Hitoshi; Fujita, Tsutomu; Ryukawa, Eiji; and Kodachi, Hideo, 4,819,311, Cl. 29-40.000.
  - Takemoto, Toyoki; Komeda, Tadao; Yamada, Haruyasu; and Fujita, Tsutomu, 4,826,780, Cl. 437-37.000
- Fujita, Tsuyoshi: *See—*
  - Toda, Gyozo; Kuroki, Takashi; Ishihara, Shousaku; Kanda, Naoya and Fujita, Tsuyoshi, 4,817,276, Cl. 29-830.000.
- Fujita, Yasuhiko: *See—*
  - Masuda, Eiji; Fujita, Yasuhiko; and Takasaki, Terufumi, 4,841,56 Cl. 379-355.000.
- Fujita, Yasushi; and Saito, Akira, to Nihon Kaiheiki Industrial Company Ltd. Miniature switch. 4,851,619, 7-25-89, Cl. 200-6.00R.
- Fujita, Yasushi: *See—*
  - Kato, Yoshinori; Nakanishi, Mitsuaki; Fujita, Yasushi; and Takag Nobuo, 4,858,279, Cl. 24-20.00R.
  - Tanaka, Yoshio; Fujii, Shigeru; Nishida, Takao; and Fujita, Yasushi, 4,859,886, Cl. 310-51.000.
- Fujita, Yasuyuki; and Nishino, Takaichi, to Tachi-S Co. Ltd. Slide rail. 4,811,925, 3-14-89, Cl. 248-430.000.
- Fujita, Yatsuka: *See—*
  - Ueno, Ryuzo; and Fujita, Yatsuka, 4,806,378, Cl. 426-643.000.
- Fujita, Yoshiaki: *See—*
  - Kawaguchi, Takashi; Fujita, Yoshiaki; and Kawai, Satoshi, 4,817,420, Cl. 73-119.00R.
- Fujita, Yoshihiro; Umetsu, Takao; Masaoka, Ysuyoshi; and Takahashi, Minoru, to Fuji Photo Film Co., Ltd. Camera with changeable focal length. 4,831,402, 5-16-89, Cl. 354-400.000.
- Fujita, Yoshihiro; Akiyama, Kazuhiro; and Takahashi, Miharu, to Fuji Photo Film Co., Ltd. Automatic focusing camera. 4,831,404, 5-16-89, Cl. 354-403.000.
- Fujita, Yoshihiro, to Fuji Photo Film Co., Ltd. Method for processing a silver halide color photographic material. 4,849,333, 7-18-89, Cl. 430-372.000.
- Fujita, Yoshihiro; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Kishimoto, Shinzo, to Fuji Photo Film Co., Ltd. Process for processing silver halide color photographic material using a developer comprising substantially no benzyl alcohol. 4,853,318, 8-1-89, Cl. 430-380.000.
- Fujita, Yoshihiro; and Abe, Akira, to Fuji Photo Film Co., Ltd. Method for processing silver halide photographic lightsensitive materials. 4,855,218, 8-8-89, Cl. 430-428.000.
- Fujita, Yoshihiro; and Nishikawa, Toshihiro, to Fuji Photo Film Co. Ltd. Method for the processing of silver halide color photographic materials. 4,857,442, 8-15-89, Cl. 430-393.000.
- Fujita, Yoshihiro; Komatsuzaki, Hiroshi; Shoji, Masao; Noguchi, Yukio; Hirai, Masayoshi; and Ohno, Kazunori, to Fuji Photo Film Co. Ltd. Viewfinder for a camera with changeable focal length. 4,887,109, 12-12-89, Cl. 354-222.000.
- Fujita, Yoshihiro: *See—*
  - Ando, Fumihiko; Kumada, Junji; Fujita, Yoshihiro, Yamada, Hidetoshi; and Nakamura, Kazuhiko, 4,839,729, Cl. 358-213.160.
  - Ishikawa, Takatoshi; Koshimizu, Toshio; Fujita, Yoshihiro; and Fujimoto, Hiroshi, 4,835,092, Cl. 430-380.000.
  - Ono, Hiroshi; Kasuga, Takaharu; Kiyono, Shinji; and Fujita, Yoshihiro, 4,825,003, Cl. 568-490.000.
  - Takase, Haruo; Uenaka, Kazushige; Abe, Akira; and Fujita, Yoshihiro, 4,857,950, Cl. 354-424.000.
- Fujita, Yoshiji: *See—*
  - Onishi, Takashi; Suzuki, Shigeaki; Mori, Toshiki; Fujii, Hiroshi and Fujita, Yoshiji, 4,886,916, Cl. 568-34.000.
  - Suzuki, Shigeaki; Mori, Toshiki; Onishi, Takashi; and Fujita, Yoshiji, 4,827,056, Cl. 570-189.000.
- Fujita, Yoshitada; Hanada, Sadashi; and Yamamoto, Yoshiaki, to Kawasaki Jukogyo Kabushiki Kaisha. Apparatus for handling large-sized articles. 4,884,938, 12-5-89, Cl. 414-541.000.
- Fujita, Yoshitada; and Hanada, Sadashi, to Kawasaki Jukogyo Kabushiki Kaisha. Traversing method for long and heavy article. 4,886,414, 12-12-89, Cl. 414-786.000.
- Fujita, Yosuke: *See—*
  - Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Nishikawa, Masahiro; Matsuoka, Tomizo; and Abe, Atsushi, 4,847,609, Cl. 340-781.000.
  - Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Abe, Atsushi; and Matsuoka, Tomizo, 4,888,246, Cl. 428-432.000.
  - Nishikawa, Masahiro; Tohda, Takao; Kuwata, Jun; Fujita, Yosuke; Matsuoka, Tomizo; and Abe, Atsushi, 4,869,973, Cl. 428-690.000.
  - Tohda, Takao; Matsuoka, Tomizo; Fujita, Yosuke; Abe, Atsushi; and Nitta, Tsuneharu, 4,814,668, Cl. 313-506.000.
- Fujita, Yuji: *See—*
  - Takahashi, Toshimitsu; Shiba, Takashi; Fujita, Yuji; and Yamada, Jun, 4,818,961, Cl. 333-194.000.
- Fujita, Yukio: *See—*
  - Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; and Fujita, Yukio, 4,855,415, Cl. 536-17.400.
- Fujita, Yutaka; and Tatsuta, Sumitaka, to Fuji Photo Film Co., Ltd. Donor sheet for heat transfer recording. 4,824,721, 4-25-89, Cl. 428-321.500.
- Fujita, Zenzo; Morita, Hirokiyo; and Morishita, Sadao, to Kasai Kogyo Co., Ltd. Method for manufacturing automotive interior components. 4,873,045, 10-10-89, Cl. 264-259.000.
- Fujitani, Hitoshi: *See—*
  - Furubayashi, Tadashi; Yamada, Kazuo; and Fujitani, Hitoshi, 4,838,606, Cl. 296-188.000.
- Fujitani, Kango: *See—*
  - Nakazawa, Mikio; and Fujitani, Kango, 4,833,272, Cl. 562-523.000.
- Fujitani, Makoto; Hirabayashi, Masashi; Honda, Hideo; Machida, Hiroshi; Kondo, Masami; and Onoda, Sachio, to Mitsubishi Jukogyo Kabushiki Kaisha; and Churyo Engineering Kabushiki Kaishi. Rotary compressor with clearance volumes to offset pulsations. 4,884,956, 12-5-89, Cl. 418-15.000.
- Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, to Hokkaido Electric Power Co., Inc., The; Kansai Electric Power Co., Inc., The; Shikoku Electric Power Co., Inc.; Kyushu Electric Power Co., Inc.; Japan Atomic Power Company, The; Mitsubishi Jukogyo Kabushiki Kaisha; and Japan Steel Works, Ltd., The. Suspension type transporter for a bolt drawing machine and positioning controller therefor. 4,883,185, 11-28-89, Cl. 212-147.000.
- Fujitani, Yoshiyasu; Muraki, Hideaki; and Kondoh, Shiroh, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Catalyst for hydrocarbon synthesis. 4,801,620, 1-31-89, Cl. 518-715.000.
- Fujito, Bakugo: *See—*
  - Ban, Keisuke; Sato, Masakazu; Fujito, Bakugo; and Kikuchi, Kousuke, 4,884,621, Cl. 164-4.100.
  - Sato, Masakazu; Ban, Keisuke; Fujito, Bakugo; and Konishi, Michio, 4,846,252, Cl. 164-120.000.
- Fujitsu Limited: *See—*
  - Abe, Akihiro; Kamata, Akinori; Yoshino, Satoshi; and Terada, Hirotomo, 4,819,556, Cl. 101-93.040.
  - Abe, Masato; and Asami, Fumitaka, 4,811,260, Cl. 364-724.010.
  - Abe, Yoshitaka; and Murakami, Keiichi, 4,882,740, Cl. 377-49.000.
  - Akaogi, Takao; and Tatematsu, Takeo, 4,802,127, Cl. 365-189.000.
  - Amemiya, Shin-ichi; and Ishiwata, Kenji, 4,866,613, Cl. 364-413.250.
  - Ando, Hisashige; Katsuyama, Makoto; and Sakuraba, Takahiro, 4,888,584, Cl. 340-747.000.
  - Aoyama, Keizo; Yamauchi, Takahiko; and Seki, Teruo, 4,809,046, Cl. 357-41.000.
  - Aoyama, Keizo, 4,823,321, Cl. 365-189.000.
  - Aoyama, Keizo, 4,825,098, Cl. 307-243.000.
  - Arai, Shigeru, 4,855,983, Cl. 369-46.000.
  - Arai, Shigeru, 4,888,752, Cl. 369-44.000.
  - Arakawa, Hideki, 4,799,194, Cl. 365-154.000.
  - Arakawa, Hideki, 4,800,533, Cl. 365-228.000.
  - Arakawa, Hideki; and Kawashima, Hiromi, 4,817,055, Cl. 365-189.000.
  - Arakawa, Hideki, 4,878,203, Cl. 365-226.000.
  - Arii, Katsuyuki, 4,797,054, Cl. 414-217.000.
  - Asakawa, Kazuo; Onda, Nobuhiko; Akita, Tadashi; and Kamada, Toru, 4,862,751, Cl. 73-862.040.
  - Asakawa, Kazuo, 4,872,803, Cl. 414-730.000.
  - Awaya, Tomoharu; and Fukushi, Isao, 4,796,233, Cl. 365-200.000.
  - Azuma, Isao; Ishida, Miyuki; and Aoki, Naozumi, 4,853,929, Cl. 371-25.000
  - Chiba, Takashi, 4,866,603, Cl. 364-200.000.
  - Deguchi, Tatsuya; and Mieno, Fumitake, 4,879,255, Cl. 431-59.000.
  - Ema, Taiji; and Yabu, Takashi, 4,807,017, Cl. 357-68.000.
  - Enomoto, Hiromu; Dohgome, Hirofumi; Kumagai, Masao; Nakamura, Toru; and Yoshiyama, Kimitaka, 4,883,975, Cl. 307-290.000.
  - Enomoto, Hiromu; Yasuda, Yasushi; Shimauchi, Yoshiki; and Tahara, Akinori, 4,888,623, Cl. 357-15.000.
  - Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Itoh, Kikuo, 4,855,254, Cl. 437-100.000.
  - Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Watanabe, Takuya, 4,876,219, Cl. 437-126.000.
  - Fink, Mathias, 4,873,869, Cl. 73-626.000.
  - Fujii, Toshio, 4,833,101, Cl. 437-107.000.
  - Fujimoto, Naonobu; Yorita, Takashi; Yato, Yoshiaki; Nakamura, Yoshinori; and Satoh, Kenji, 4,811,341, Cl. 370-112.000.
  - Fujimura, Shuzo; and Konno, Junichi, 4,861,424, Cl. 156-643.000.
  - Fujimura, Shuzo; and Konno, Junichi, 4,861,732, Cl. 437-229.000.
  - Fujiwara, Yoshiro; Endo, Michiko; Kojima, Yuji; Wakatsuki, Noboru; Hirano, Akira; and Komenou, Kazunari, 4,810,965, Cl. 324-208.000.
  - Fujiyama, Hiroyuki; and Nishikawa, Sinji, 4,866,742, Cl. 377-70.000.
  - Fukaya, Jun, 4,825,282, Cl. 347-74.000.
  - Fukuma, Hiroyuki; and Sato, Masashi, 4,799,089, Cl. 357-45.000.
  - Fukushi, Isao; and Muroi, Takahisa, 4,890,018, Cl. 307-446.000.
  - Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, 4,885,746, Cl. 370-102.000.
  - Fukushima, Toshitaka, 4,805,141, Cl. 365-96.000.
  - Fukushima, Toshitaka, 4,808,550, Cl. 437-67.000.
  - Fukushima, Toshitaka, 4,862,459, Cl. 371-21.000.
  - Fukushima, Toshitaka, 4,866,004, Cl. 437-67.000.
  - Fukuta, Masumi, 4,845,534, Cl. 357-15.000.
  - Fukuyama, Shun-ichi; Yoneda, Yasuhiro; Miyagawa, Masashi; and Nishii, Kota, 4,863,833, Cl. 430-286.000.
  - Hajikano, Kazuo; Shimoe, Toshio; Kamoi, Jyoei; Sawaki, Ippei; and Murakami, Koso, 4,837,855, Cl. 455-600.000.
  - Hanyuda, Ken; and Ohara, Michimasa, 4,879,762, Cl. 455-601.000.
  - Hasegawa, Takashi, 4,866,305, Cl. 307-449.000.
  - Hashimoto, Shuichi, 4,866,544, Cl. 360-40.000.
  - Hashizume, Kyohei, 4,839,694, Cl. 355-208.000.
  - Hatori, Yoshinori; Kato, Yoichi; Ohta, Mutsumi; and Kosugi, Yasuhiro, 4,837,618, Cl. 358-135.000.
  - Hattori, Toshihiro; Ishihara, Masaki; Kasai, Hitoshi; and Asagi, Yasuyoshi, 4,843,555, Cl. 364-431.070.
  - Hayashi, Kazutoshi; Nabetani, Hideo; Tanaka, Toshiaki; and Ishida, Kazushi, 4,803,316, Cl. 200-406.000.
  - Hidada, Norio; and Hirachi, Yasutake, 4,881,116, Cl. 357-74.000.
  - Higuchi, Masahiro; Fukuda, Haruki; Tazaki, Kenshi; Matsuda, Masahiro; and Awazu, Tomohiko, 4,809,267, Cl. 370-86.000.
  - Hirachi, Yasutake, 4,868,613, Cl. 357-16.000.
  - Hirochi, Katsuji, 4,803,383, Cl. 307-456.000.
  - Hiyamizu, Satoshi; and Fujii, Toshio, 4,799,088, Cl. 357-16.000.
  - Hoashi, Akira; Akima, Hideo; Maki, Takao; and Yamaki, Isao, 4,811,232, Cl. 364-426.020.
  - Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,825,371, Cl. 364-426.020.
  - Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,870,582, Cl. 364-426.020.
  - Hosoyama, Osamu, 4,841,442, Cl. 364-405.000.
  - Houki, Youji, 4,847,492, Cl. 250-235.000.
  - Ichihara, Junichi, 4,890,178, Cl. 360-114.000.
  - Iguchi, Kazuo; Soejima, Tetsuo; Amemiya, Shigeo; and Komine, Hiroaki, 4,850,047, Cl. 455-612.000.
  - Ikeda, Hiroshi; and Takeshita, Shuji, 4,851,903, Cl. 358-101.000.
  - Ikeda, Motohisa, 4,855,[illegible]58, Cl. 365-230.080.
  - Ikegami, Yoshiki; Hayakawa, Yoshio; and Sato, Yasuaki, 4,835,735, Cl. 364-900.000.
  - Ikuta, Hirotoshi; and Takayama, Akira, 4,823,160, Cl. 355-3.0DR.
  - Imamura, Kenichi; and Taguchi, Masao, 4,868,418, Cl. 307-362.000.
  - Imaoka, Kazunori, 4,801,559, Cl. 437-193.000.
  - Inagami, Fujio, 4,884,294, Cl. 379-61.000.
  - Inata, Tsuguo; Muto, Shunichi; and Fujii, Toshio, 4,825,264, Cl. 357-4.000.
  - Inoue, Aiichiro; Onishi, Katsumi; Oinaga, Yuji; and Nojima, Kenichi, 4,852,021, Cl. 364-200.000.
  - Inoue, Minoru, 4,810,342, Cl. 204-192.170.
  - Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.
  - Iquchi, Kazuo; Soejima, Tetsuo; and Murano, Kazuo, 4,829,518, Cl. 370-100.000.
  - Ishii, Kazuaki; Futatsugi, Toshiro; Oshima, Toshio; Fujii, Toshio; Yokoyama, Naoki; and Shibatomi, Akihiro, 4,889,831, Cl. 437-184.000.
  - Ishikawa, Tomonori; Sasa, Shigehiko; and Hiyamizu, Satoshi, 4,833,508, Cl. 357-4.000.
  - Isono, Hideki; Asanuma, Kazushi; Yokota, Takashi; and Terai, Kiyoshi, 4,824,200, Cl. 350-96.160.
  - Isono, Osamu; Fukui, Toshimasa; Nishino, Tetsuo; Tachibana, Tetsuo; and Iwabuchi, Eisuke, 4,837,761, Cl. 370-60.000.
  - Ito, Akira, 4,829,460, Cl. 364-715.080.
  - Itoh, Hideaki, 4,797,903, Cl. 375-40.000.
  - Itoh, Hideaki, 4,799,237, Cl. 375-38.000.
  - Itoh, Hideaki; and Ozaki, Takayuki, 4,860,282, Cl. 370-55.000.
  - Itoh, Sumio, 4,890,226, Cl. 364-200.000.
  - Iwamatsu, Takanori, 4,860,010, Cl. 341-118.000.
  - Iwasaki, Masaaki, 4,831,617, Cl. 370-16.000.
  - Iwata, Satoshi; and Ando, Moritoshi, 4,830,497, Cl. 356-394.000.
  - Kaku, Takashi, 4,799,214, Cl. 370-32.100.
  - Kaku, Takashi; and Arai, Yasuhiro, 4,868,850, Cl. 375-13.000.
  - Kanai, Yasunori; Nawata, Kazumasa; and Shimizu, Mitsuhisa, 4,866,303, Cl. 307-443.000.
  - Kaneda, Saburo; and Murakami, Kazuaki, 4,860,190, Cl. 364-200.000.
  - Kaneko, Masahide; Matsuda, Kiichi; Mukawa, Naoki; and Koga, Toshio, 4,805,017, Cl. 358-105.000.
  - Kaneta, Hiroshi; Ogawa, Tsutomu; Mori, Haruhisa; and Wada, Kunihiko, 4,803,884, Cl. 73-598.000.
  - Kasa, Yasushi, 4,803,665, Cl. 365-230.000.
  - Kasai, Kazumi; Itoh, Hiromi; Tanaka, Hitoshi; Oh-hori, Tatsuya; and Komeno, Junji, 4,883,020, Cl. 118-719.000.
  - Kato, Masayuki; Yamagishi, Fumio; Hasegawa, Shin-ya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,824,191, Cl. 350-3.720.
  - Kato, Masayuki; Maeda, Satoshi; Yamagishi, Fumio; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,832,464, Cl. 350-3.720.
  - Kato, Takahiro; Hirochi, Katsuji; and Sugihara, Takanori, 4,806,787, Cl. 307-290.000.

Katoh, Shinya, 4,806,456, Cl. 430-296.000.
Kawabe, Kenji; Watanabe, Kazuhiro; Namiki, Fumihiro; Iida, Atsuo; and Shimura, Takaki, 4,825,115, Cl. 310-327.000.
Kawai, Shinichi, 4,889,829, Cl. 437-69.000.
Kawami, Shigeru; Tabu, Takashi; Sano, Shigeo; and Masuda, Nobuyuki, 4,872,199, Cl. 379-413.000.
Kawano, Hisao; and Yamamoto, Kunio, 4,870,638, Cl. 370-13.000.
Kawano, Kyoichiro; Tsuji, Hiroki; and Murase, Teruo, 4,815,987, Cl. 439-263.000.
Kawano, Michiari; Higashimoto, Masayuki; Kashiwagi, Shigeo; Nakano, Jun; and Shimizu, Osamu, 4,833,519, Cl. 357-59.000.
Kawashima, Hiromi; and Takeuchi, Atsushi, 4,812,680, Cl. 307-350.000.
Kawashima, Hisashi; Okada, Tsuguo; and Yamamoto, Haruhiko, 4,865,123, Cl. 165-104.330.
Kawashima, Shoichiro, 4,866,675, Cl. 365-194.000.
Kawata, Mitsuya, 4,825,414, Cl. 365-189.000.
Kikuchi, Hideo; Tsutsumi, Sadao; and Kaneko, Akira, 4,823,278, Cl. 364-491.000.
Kiriseko, Tadashi; and Iijima, Nobuo, 4,825,093, Cl. 250-566.000.
Kitamura, Toshiaki; Onishi, Katsumi; and Oinaga, Yuji, 4,812,970, Cl. 364-200.000.
Kitamura, Toshiaki; and Onishi, Katsumi, 4,870,567, Cl. 364-200.000.
Kobayashi, Masanori, 4,883,775, Cl. 437-225.000.
Kobayashi, Osamu, 4,806,877, Cl. 330-253.000.
Kobayashi, Osamu; and Gotch, Kunihiko, 4,859,871, Cl. 307-264.000.
Kodaka, Kazuyuki; Kitamura, Mitsuo; and Motegi, Mitsuhiro, 4,871,121, Cl. 242-54.00R.
Kodama, Yukinori; Mochizuki, Hirohiko; Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,799,197, Cl. 365-205.000.
Koezuka, Tetsuo; Tsukahara, Hiroyuki; and Nakashima, Masato, 4,805,224, Cl. 382-8.000.
Kokado, Masayuki, 4,877,977, Cl. 307-455.000.
Koshizuka, Atsuo, 4,882,534, Cl. 323-351.000.
Koshizuka, Atuo; and Furumochi, Kazuto, 4,800,552, Cl. 365-190.000.
Koshizuka, Atuo, 4,876,467, Cl. 307-570.000.
Kosugi, Toru; Furukawa, Takahiro; and Miyaou, Hirohisa, 4,887,083, Cl. 341-56.000.
Kousaka, Kunimitsu; and Gotoh, Kunihiko, 4,808,852, Cl. 307-451.000.
Kousaka, Kunimitsu; Gotoh, Kunihiko; and Kobayashi, Osamu, 4,835,417, Cl. 307-362.000.
Kubosawa, Hajime; and Ishiguro, Masato, 4,837,461, Cl. 307-303.000.
Kubosawa, Hajime; and Naitoh, Mitsugu, 4,851,891, Cl. 357-42.000.
Kubota, Katsuhisa, 4,849,973, Cl. 371-21.000.
Kubota, Katuhisa, 4,841,168, Cl. 307-272.200.
Kunitoki, Tadayoshi; and Itoh, Akihiko, 4,827,161, Cl. 307-491.000.
Machida, Akira, 4,848,536, Cl. 198-619.000.
Maekawa, Tohru; Ueda, Satoshi; Takigawa, Hiroshi; Kochi, Tetsuya; and Goto, Junjiro, 4,795,907, Cl. 250-352.000.
Maruyama, Tsugito; Kanda, Shinji; and Hanahara, Keishi, 4,846,576, Cl. 356-376.000.
Masuko, Takayuki; Suzuki, Norio; and Moriya, Kaoru, 4,839,993, Cl. 51-129.000.
Matsui, Shougo; and Kobayashi, Kenichi, 4,809,341, Cl. 382-8.000.
Matsumura, Nobutake; and Sato, Shinji, 4,809,029, Cl. 364-900.000.
Mieno, Fumitake, 4,825,809, Cl. 118-725.000.
Mihara, Takahisa; and Sanma, Shoji, 4,795,925, Cl. 310-68.00B.
Mihara, Takahisa; and Saito, Sigeo, 4,814,913, Cl. 360-78.120.
Mitsuhashi, Masato; and Kitahara, Takeshi, 4,853,848, Cl. 364-200.000.
Miyaou, Hirohisa; Furukawa, Takahiro; and Kosugi, Toru, 4,841,524, Cl. 370-112.000.
Miyashita, Takumi, 4,819,158, Cl. 364-200.000.
Miyashita, Takumi, 4,864,373, Cl. 357-23.500.
Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,827,327, Cl. 357-71.000.
Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,875,087, Cl. 357-71.000.
Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.
Miyazawa, Hideo; Andoh, Ikuhiro; Koyama, Hiromichi; and Kobayashi, Mitsuru, 4,797,119, Cl. 439-395.000.
Mochizuki, Akihiro; Iwasaki, Masayuki; Yamagishi, Yasuo; Ikegami, Kasumi; Gondo, Hiroyuki; and Yamaguchi, Hisashi, 4,812,034, Cl. 383-122.000.
Mochizuki, Kouji; Ozeki, Masashi; and Ohtsuka, Nobuyuki, 4,861,417, Cl. 156-610.000.
Mori, Haruhisa; and Nakano, Motoo, 4,806,769, Cl. 250-443.100.
Mori, Haruhisa, 4,889,820, Cl. 437-29.000.
Mori, Masakazu; Wada, Tetsuo; Miyaki, Yuji; Yamane, Kazuo; Suzuki, Kazuhiro; and Ohkuma, Yoshinori, 4,816,699, Cl. 307-268.000.
Mugiya, Hiroshi; Hasegawa, Mitsuo; and Arai, Youichi, 4,868,639, Cl. 357-74.000.
Mukai, Ryoichi, 4,800,179, Cl. 437-203.000.
Murakami, Jyoji; Sibazaki, Syogo; and Tempaku, Junya, 4,841,298, Cl. 341-51.000.
Murakami, Jyoji; Hashimoto, Katsumi; and Tempaku, Junya, 4,868,556, Cl. 340-799.000.
Muto, Masaaki; Kato, Takashi; and Ito, Takashi, 4,826,787, Cl. 437-208.000.
Naganuma, Masayuki; and Suehiro, Yoshiyuki, 4,825,107, Cl. 307-465.000.
Naganuma, Masayuki, 4,827,159, Cl. 307-443.000.
Nagashima, Kanji; Yamada, Yuji; and Kusagaya, Toshihiro, 4,825,539, Cl. 29-848.000.
Nakagawa, Kenji, 4,881,257, Cl. 378-35.000.
Nakaishi, Masafumi; and Yamada, Masao, 4,820,546, Cl. 427-38.000.
Nakamura, Moritaka; and Kurimoto, Takashi, 4,798,650, Cl. 156-643.000.
Nakanishi, Akio; Hino, Toshio; Iino, Yoshio; Suetani, Kazuhisa; Houki, Yoji; and Ikuta, Hirotoshi, 4,878,088, Cl. 355-244.000.
Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,806,795, Cl. 307-452.000.
Nakano, Masao; Mochizuki, Hirohiko; Ohira, Tsuyoshi; Kodama, Yukinori; and Nomura, Hidenori, 4,807,192, Cl. 365-193.000.
Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,821,232, Cl. 365-189.000.
Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,870,617, Cl. 365-190.000.
Nakano, Motoo, 4,841,349, Cl. 357-30.000.
Nakano, Tomio, 4,862,415, Cl. 365-189.090.
Nakatani, Shoji, 4,827,407, Cl. 364-200.000.
Nakatani, Shoji; and Sakamoto, Kazushi, 4,870,569, Cl. 364-200.000.
Naoi, Satoshi; Inoue, Akira; Nishikawa, Katsuhiko; and Nagata, Shigemi, 4,853,885, Cl. 364-718.000.
Nawata, Yoshiaki; Ono, Kunihisa; Takahashi, Koji; and Kanno, Yoshiyasu, 4,835,588, Cl. 357-36.000.
Nishimoto, Hiroshi; Touge, Takashi; Okiyama, Tadashi; Kuwata, Naoki; and Arai, Yasunari, 4,884,278, Cl. 372-26.000.
Nishimura, Hisayuki; and Shibata, Tomochika, 4,796,177, Cl. 364-200.000.
Obara, Hideyuki, 4,814,689, Cl. 324-58.50B.
Ogasawara, Nobuo, 4,831,245, Cl. 235-492.000.
Ogasawara, Nobuo, 4,853,522, Cl. 235-380.000.
Ogawa, Junji, 4,799,198, Cl. 365-221.000.
Ogawa, Junji, 4,811,297, Cl. 365-189.000.
Ogawa, Tsutomu, 4,858,975, Cl. 294-64.100.
Ohba, Osam; and Tanizawa, Tetsu, 4,816,705, Cl. 307-446.000.
Ohkawa, Takashi, 4,852,058, Cl. 365-94.000.
Ohno, Chikai; and Hirata, Michiyuki, 4,882,712, Cl. 365-206.000.
Ohshima, Toshio; and Yokoyama, Naoki, 4,837,178, Cl. 437-33.000.
Oishi, Yasuyuki; Takano, Takeshi; Nakamura, Takaharu; Takeda, Yukio; and Watanabe, Yasunobu, 4,870,659, Cl. 375-82.000.
Okada, Akihiro; and Matsuda, Takashi, 4,809,361, Cl. 455-606.000.
Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.
Okamura, Shigeru, 4,795,717, Cl. 437-40.000.
Okano, Yoshiaki, 4,827,160, Cl. 307-443.000.
Oki, Ken-ichi; Kawai, Satoru; Yanai, Ken-ichi; and Takahara, Kazuhiro, 4,818,981, Cl. 340-784.000.
Ono, Michio; Kubota, Akihiro; Aoki, Tsuyoshi; Inoue, Osamu; and Sugiura, Rikio, 4,801,997, Cl. 357-70.000.
Oritani, Atsushi, 4,885,479, Cl. 307-443.000.
Oshima, Toshio, and Futatsugi, Toshiro, 4,868,612, Cl. 357-4.000.
Ozawa, Takashi; Munakata, Ichiro; Takagi, Hiroaki; and Kozaki, Ryoichi, 4,827,328, Cl. 357-80.000.
Saito, Toshiyuki; Okubo, Naofumi; Kaneko, Yoshiaki; and Tokumitsu, Yasuyuki, 4,796,155, Cl. 361-385.000.
Sakane, Toshiaki; Takenaka, Sadao; Minowa, Morihiko; Aono, Yoshihito; and Daidoh, Yoshimasa, 4,809,298, Cl. 375-17.000.
Sasaki, Masateru; and Inouye, Yuji, 4,831,611, Cl. 369-58.000.
Sasaki, Sachio; Wanou, Masahiro; Kimura, Masatoshi; and Nakajima, Junzo, 4,804,994, Cl. 355-3.0DD.
Sasaki, Takeshi; and Monma, Hideo, 4,833,395, Cl. 324-73.00R.
Sato, Kimiaki; and Khono, Tool, 4,839,868, Cl. 365-230.060.
Sato, Kiyosumi; Mizushima, Yoshihiro; Ohnishi, Katsumi; Kato, Motokazu; and Matsumoto, Toshio, 4,835,677, Cl. 364-200.000.
Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
Sato, Shinji, 4,816,887, Cl. 357-42.000.
Sawatari, Norio; Ebisu, Katsuji; Watanuki, Tsuneo; Katagiri, Yoshimichi; Kashikawa, Takahiro; and Narusawa, Toshiaki, 4,849,317, Cl. 430-106.600.
Shiba, Akira; Yamada, Isamu; and Murakami, Keiichi, 4,836,210, Cl. 128-660.060.
Shigaki, Masafumi; Kurihara, Hiroshi; and Nishi, Hidetoshi, 4,855,895, Cl. 363-157.000.
Shimanuki, Haruki; Miyake, Katsuya; Akima, Hideo; and Hoashi, Akira, 4,797,825, Cl. 364-426.020.
Shimanuki, Haruki; Akima, Hideo; and Hoashi, Akira, 4,807,133, Cl. 364-426.020.
Shimoda, Makoto; Ishino, Tatsuyuki; and Matsuo, Makoto, 4,855,908, Cl. 364-405.000.
Shinohara, Tooru; and Iwatsubo, Masahito, 4,879,498, Cl. 318-254.000.
Shioya, Katsuhiko; Ifuku, Tetsuhiko; and Inamasu, Seiichi, 4,876,645, Cl. 364-200.000.

Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.
Shirasaki, Masataka; and Nakajima, Hirochika 4,806,442, Cl. 430-4.000.
Shirato, Takehide; and Aneha, Nobuhiko, 4,809,056, Cl. 357-71.000.
Sugahara, Takehisa; Nakagawa, Toyokatu; and Yano, Junichi, 4,859,614, Cl. 437-8.000.
Sugawara, Hideo, 4,799,032, Cl. 333-116.000.
Sugimoto, Masahiro; Wakasugi, Yasumasa; and Harada, Shigeki, 4,803,546, Cl. 357-81.000.
Sugimura, Toshiya; Kasai, Hitoshi; and Yoshimura, Hiroshi, 4,858,131, Cl. 364-424.100.
Sukeda, Toshiaki, 4,868,786, Cl. 365-2.000.
Sukemura, Takao, 4,857,834, Cl. 324-73.00R.
Suzuki, Atsushi; and Itoh, Hideo, 4,829,477, Cl. 365-189.060.
Suzuki, Atsushi, 4,843,595, Cl. 365-189.010.
Suzuki, Eiji, 4,876,683, Cl. 370-97.000.
Suzuki, Hirokazu; Tahara, Akinori; and Saito, Shinji, 4,810,908, Cl. 307-480.000.
Suzuki, Masafumi; and Shirai, Hidenobu, 4,872,964, Cl. 204-298.000.
Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi; Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, 4,823,235, Cl. 361-424.000.
Suzuki, Norio; Masuko, Takayuki; and Moriya, Kaoru, 4,832,435, Cl. 350-96.200.
Suzuki, Toshiaki; and Nishimura, Akira, 4,870,658, Cl. 375-12.000.
Suzuki, Toshihiro; Todokoro, Yasuyuki; and Komenou, Kazunari, 4,877,717, Cl. 430-321.000.
Suzuki, Yasuo; Suzuki, Yasuaki; and Hirao, Hiroshi, 4,809,224, Cl. 365-94.000.
Suzuki, Yasuo; Suzuki, Yasuaki; and Ikuta, Nobuo, 4,809,227, Cl. 365-168.000.
Tabata, Akira; Miyajima, Motoshu; and Kawaguchi, Kazushi, 4,824,794, Cl. 437-33.000.
Taguchi, Masao, 4,801,989, Cl. 357-23.600.
Tajika, Nobuji, 4,811,367, Cl. 375-116.000.
Takahashi, Hitoshi, 4,833,620, Cl. 364-490.000.
Takahashi, Jun; Fukushima, Shigeru; Narumi, Toshikatu; Itoh, Ken-ich; and Ogawa, Seiya, 4,822,634, Cl. 427-48.000.
Takato, Kenji; Kinoshita, Kazumi; Tojo, Toshiro; and Yamamoto, Yuzo, 4,827,503, Cl. 379-373.000.
Takato, Kenji; Tojo, Toshiro; Iketani, Yozo; Ayano, Mitsutoshi; and Shibuya, Kiyoshi, 4,827,505, Cl. 379-413.000.
Takei, Akira; Nabeta, Teruyuki; Nishikawa, Tetsuo; and Nagai, Eiichi, 4,890,164, Cl. 358-213.190.
Takekoshi, Makoto; Inagaki, Masahisa; and Tokunaga, Haruhiko, 4,834,565, Cl. 400-320.000.
Takemae, Yoshihiro, 4,799,196, Cl. 365-190.000.
Takemae, Yoshihiro, 4,803,656, Cl. 365-200.000.
Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Horii, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, 4,807,193, Cl. 365-205.000.
Takemae, Yoshihiro, 4,809,233, Cl. 365-222.000.
Takemae, Yoshihiro; and Horii, Takashi, 4,819,209, Cl. 365-230.000.
Takemae, Yoshihiro, 4,879,685, Cl. 365-189.110.
Takenaka, Sadao; Aono, Yoshihito; Iwamatsu, Takanori; Minowa, Morihiko; Daido, Yoshimasa; and Nakamura, Hiroshi, 4,860,316, Cl. 375-39.000.
Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.
Takeuchi, Atsushi, 4,800,304, Cl. 307-602.000.
Takeuchi, Atsushi, 4,862,416, Cl. 371-10.000.
Tanaka, Tsutomu; and Oinaga, Yuji, 4,800,490, Cl. 364-200.000.
Taniguchi, Tomohiko; Iseda, Kohei; Tomita, Yoshihiro; Amano, Fumio; Unagami, Shigeyuki; and Tominaga, Shoji, 4,831,636, Cl. 375-27.000.
Taniguchi, Tomohiko; Iseda, Kohei; Okazaki, Koji; Amano, Fumio; and Unagami, Shigeyuki, 4,890,325, Cl. 381-34.000.
Tanizawa, Tetsu; Motono, Yoshiharu; and Omichi, Hitoshi, 4,868,630, Cl. 357-45.000.
Tatematsu, Takeo, 4,821,238, Cl. 365-201.000.
Tohyama, Kay, 4,810,907, Cl. 307-475.000.
Tojo, Toshiro; Takato, Kenji; Kinoshita, Kazumi; and Yamamoto, Yuzo, 4,862,309, Cl. 361-56.000.
Toyoda, Kazuhiro, 4,802,131, Cl. 365-230.000.
Toyoda, Kazuhiro; and Ono, Chikai, 4,815,037, Cl. 365-156.000.
Ueno, Katsunobu; and Hataishi, Osamu, 4,875,085, Cl. 357-34.000.
Ueno, Kouji, 4,800,529, Cl. 365-189.000.
Ueno, Kouji; Naito, Takamitsu; and Nakajima, Yoshitaka, 4,835,590, Cl. 357-51.000.
Usui, Toshio, 4,851,764, Cl. 324-158.00F.
Utsumi, Kenichi; Yuasa, Tetsuya; Goto, Yasuyuki; Tsugawa, Iwao; and Koshino, Nagaaki, 4,889,746, Cl. 427-162.000.
Watanabe, Kiyoshi; Takeuchi, Tohru; Ohtake, Hideaki; and Fujita, Ichiro, 4,816,424, Cl. 437-190.000.
Watarai, Shinichi, 4,878,428, Cl. 101-484.000.
Yagi, Takeshi; and Kobayashi, Kenzo, 4,888,792, Cl. 375-39.000.
Yamagishi, Fumio; Hasegawa, Shinya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,810,046, Cl. 350-371.000.
Yamagishi, Yasuo; Mochizuki, Akihiro; Iwasaki, Masayuki; Yoshihara, Toshiaki; and Onda, Fumiyo, 4,832,461, Cl. 350-347.00E.
Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, 4,879,632, Cl. 361-386.000.
Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,803,384, Cl. 307-490.000.
Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,813,048, Cl. 372-38.000.
Yamashita, Yoshimi; Kosemura, Kinjiro; Ishiwari, Hidetoshi; Yamamoto, Sumio; and Kuroda, Shigeru, 4,849,368, Cl. 437-41.000.
Yamazaki, Kozo; Ichikawa, Toshiyuki; Ikeda, Hiroyuki; Inagaki, Takefumi; Aritake, Hirokazu; and Yamagishi, Fumio, 4,848,862, Cl. 350-3.710.
Yano, Mitsuhiro, 4,817,105, Cl. 372-50.000.
Yasuda, Kazuhito; and Kishi, Yutaka, 4,840,916, Cl. 437-3.000.
Yasutake, Nobuyuki; Kai, Jun-ichi; Yasuda, Hiroshi; and Kawashima, Kenichi, 4,853,870, Cl. 364-490.000.
Yokoyama, Naoki, 4,821,090, Cl. 357-43.000.
Yokoyama, Naoki; and Mori, Toshihiko, 4,849,934, Cl. 365-159.000.
Yoshida, Akira; and Sasaki, Yuuichi, 4,841,438, Cl. 364-200.000.
Yoshida, Masanobu, 4,841,233, Cl. 324-73.00R.
Yoshimura, Hiroshi; and Iida, Youichi, 4,823,646, Cl. 74-866.000.
Yoshimura, Tatsuro, 4,859,954, Cl. 328-155.000.
Yunoki, Hideo, 4,878,216, Cl. 370-60.000.

Fujitsu Microcomputer Systems Limited: *See—*
  Murakami, Jyoji; Sibazaki, Syogo; and Tempaku, Junya, 4,841,298, Cl. 341-51.000.
  Murakami, Jyoji; Hashimoto, Katsumi; and Tempaku, Junya, 4,868,556, Cl. 340-799.000.
Fujitsu Ten Kabushiki Kaisha: *See—*
  Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
Fujitsu Ten Limited: *See—*
  Tada, Tetsuya; Nagasaka, Masumi; Teratani, Tatsuo; Miyazaki, Akira; and Takahashi, Junji, 4,877,101, Cl. 180-177.000.
Fujitsu VLSI Limited: *See—*
  Fukushi, Isao; and Muroi, Takahisa, 4,890,018, Cl. 307-446.000.
  Kodama, Yukinori; Mochizuki, Hirohiko; Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,799,197, Cl. 365-205.000.
  Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,806,795, Cl. 307-452.000.
  Nakano, Masao; Mochizuki, Hirohiko; Ohira, Tsuyoshi; Kodama, Yukinori; and Nomura, Hidenori, 4,807,192, Cl. 365-193.000.
  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,821,232, Cl. 365-189.000.
  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,870,617, Cl. 365-190.000.
  Ohno, Chikai; and Hirata, Michiyuki, 4,882,712, Cl. 365-206.000.
  Suzuki, Hirokazu; Tahara, Akinori; and Saito, Shinji, 4,810,908, Cl. 307-480.000.
  Ueno, Kouji; Naito, Takamitsu; and Nakajima, Yoshitaka, 4,835,590, Cl. 357-51.000.
Fujitsubo Giken Co., Ltd.: *See—*
  Fujitsubo, Isamu, 4,842,096, Cl. 181-252.000.
Fujitsubo, Isamu, to Fujitsubo Giken Co., Ltd. Automobile muffler. 4,842,096, 6-27-89, Cl. 181-252.000.
Fujitsuka, Masashi, to Mitsubishi Denki Kabushiki Kaisha. Turbocompressor system and method for controlling the same. 4,838,020, 6-13-89, Cl. 60-39.070.
Fujitus Limited: *See—*
  Taguchi, Masao, 4,803,535, Cl. 357-23.600.
Fujiu, Masao: *See—*
  Iwahori, Keisuke; and Fujiu, Masao, 4,824,563, Cl. 210-195.100.
Fujiura, Yoshitsugu, to AMP Incorporated. Shielded electrical connector and latch mechanism therefor. 4,838,808, 6-13-89, Cl. 439-357.000.
Fujiwa Kiko Kabushiki Kaisha: *See—*
  Sato, Jiro; and Yoshida, Kenitsu, 4,834,272, Cl. 222-604.000.
Fujiwaka, Kensuke: *See—*
  Sasakawa, Kazumasa; Nishimura, Hisao; and Fujiwaka, Kensuke, 4,838,544, Cl. 272-73.000.
Fujiwaki, Kazuo: *See—*
  Sato, Koji; Kurakake, Masahiro; and Fujiwaki, Kazuo, 4,797,940, Cl. 382-9.000.
Fujiwara, Akie; Takenouchi, Mariko; and Shimizu, Masahiro, to Matsushita Electric Industrial Co., Ltd. Character recognition apparatus. 4,813,078, 3-14-89, Cl. 382-21.000.
Fujiwara, Akihiro: *See—*
  Amikura, Takashi; Fujiwara, Akihiro; Toyama, Masamichi; Ueda, Kouichi; and Kozuki, Susumu, 4,876,564, Cl. 354-400.000.
  Ueda, Kouichi; Fujiwara, Akihiro; Suda, Hirofumi; Toyama, Masamichi; and Yamada, Kunihiko, 4,871,906, Cl. 250-201.000.
Fujiwara, Akio: *See—*
  Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.
  Shin, Masaaki; Fujiwara, Akio; and Taniwaki, Hiroshi, 4,857,433, Cl. 430-120.000.
Fujiwara, Akira: *See—*
  Matsubara, Toshihiko; and Fujiwara, Akira, 4,796,575, Cl. 123-90.440.
Fujiwara Chemical Co., Ltd.: *See—*
  Takata, Shigeru; Aono, Takeki; and Fujieda, Gentaro, 4,871,610, Cl. 428-246.000.

- Fujiwara, Haruyoshi; and Toyofuku, Toshihiro, to Beloit Corporation. Coating apparatus and method. 4,808,445, 2-28-89, Cl. 427-428.000.
- Fujiwara, Haruyoshi; and Katsube, Ryojiro, to Mitsubishi Jukogyo Kabushiki Kaisha. Pressure type slit screen. 4,832,832, 5-23-89, Cl. 209-273.000.
- Fujiwara, Hideki, to Jujo Paper Co., Ltd. Method for measuring the concentration of adhesive on a coating layer surface. 4,831,264, 5-16-89, Cl. 250-372.000.
- Fujiwara, Hideo; Sakemoto, Akito; and Inagoya, Osamu, to Hitachi Maxell, Ltd. Assembly for stably mounting magnetic head on carriage. 4,803,578, 2-7-89, Cl. 360-105.000.
- Fujiwara, Hideo: *See—*
  - Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
  - Inagoya, Osamu; and Fujiwara, Hideo, 4,866,555, Cl. 360-126.000.
  - Inagoya, Osamu; Fujiwara, Hideo; Tanaka, Yoshito; and Ohnuki, Takeshi, 4,870,523, Cl. 360-122.000.
  - Kitakami, Osamu; Fujiwara, Hideo; and Maro, Tsuyoshi, 4,828,919, Cl. 428-336.000.
  - Yamano, Minoru; Fujiwara, Hideo; Hayashi, Masashi; and Naganawa, Nobuhiko, 4,814,920, Cl. 360-122.000.
- Fujiwara, Hiroshi, to Olympus Optical Co., Ltd. Binocular tube whose angle of inclination is adjustable. 4,798,451, 1-17-89, Cl. 350-522.000.
- Fujiwara, Hiroshi: *See—*
  - Ishikawa, Tomonori; Fukaya, Takashi; Tsunoda, Toshiyuki; and Fujiwara, Hiroshi, 4,871,245, Cl. 350-502.000.
  - Okajima, Kiyonori; Saito, Jugoro; and Fujiwara, Hiroshi, 4,794,855, Cl. 100-154.000.
  - Sakurai, Tutomu; Ota, Keishiro; Kubota, Saburo; Miyata, Masanobu; and Fujiwara, Hiroshi, 4,847,613, Cl. 340-825.210.
  - Togino, Takayoshi; Fujiwara, Hiroshi; Takabayashi, Yutaka; Nagano, Takashi; Fukaya, Takashi; Minami, Kazuyuki; and Tsunoda, Toshiyuki, 4,802,749, Cl. 350-516.000.
- Fujiwara, Hisao: *See—*
  - Ozeki, Kazuo; Sugiyama, Fumio; Dachiku, Kenshi; Fujiwara, Hisao; and Watanabe, Toshiaki, 4,833,535, Cl. 358-135.000.
- Fujiwara, Hisatoshi: *See—*
  - Lenz, James E.; Bjork, Paul E.; and Fujiwara, Hisatoshi, 4,857,727, Cl. 250-227.000.
- Fujiwara, Hitoshi; Hayakawa, Shotaro; and Lee, Takanobu, to Mabuchi Motor Co. Ltd. Miniature motor having coated rubber permanent magnet. 4,823,033, 4-18-89, Cl. 310-45.000.
- Fujiwara, Hitoshi, to Mabushi Motor Co., Ltd. Miniature motor. 4,853,568, 8-1-89, Cl. 310-68.00C.
- Fujiwara, Hitoshi: *See—*
  - Mayumi, Etuo; Fujiwara, Hitoshi; Hiromasa, Kunio; and Okada, Kazuo, 4,827,167, Cl. 310-89.000.
- Fujiwara, Hunihiko: *See—*
  - Suzumura, Koji; Fujiwara, Hunihiko; Matsuo, Naoya; and Miyamoto, Kouichi, 4,805,569, Cl. 123-308.000.
- Fujiwara, Ichiro: *See—*
  - Ouchi, Hirobumi; Fujiwara, Ichiro; Matsuda, Hiroshi; Ito, Kazuhiro; and Nagatsuma, Kazuyuki, 4,816,890, Cl. 357-30.000.
- Fujiwara, Jiro; Chino, Hisayoshi; Yoshida, Teruyuki; Takayama, Jun; Tachi, Katsuichi; and Suzuki, Hideto, to Sony Corporation. Apparatus for recording and/or reproducing with video and multiple audio rotary heads. 4,814,902, 3-21-89, Cl. 360-33.100.
- Fujiwara, Junya: *See—*
  - Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kuwatsuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, 4,814,337, Cl. 514-269.000.
- Fujiwara, Katsuhiro; Oshiga, Takayuki; and Kasahara, Toshiro, to Hitachi, Ltd. Programmable sequence controller having indirect and direct input/output apparatus. 4,807,178, 2-21-89, Cl. 364-900.000.
- Fujiwara, Katsuhiro: *See—*
  - Oshiga, Takayuki; Fujiwara, Katsuhiro; Kasahara, Toshiro; and Oshida, Hiromi, 4,833,589, Cl. 364-140.000.
- Fujiwara, Katsuji; and Yumoto, Hideaki, to TLV Co., Ltd. Reducing valve equipped with a vapor-liquid separator. 4,860,782, 8-29-89, Cl. 137-193.000.
- Fujiwara, Katsuyoshi: *See—*
  - Okamoto, Yuji; and Fujiwara, Katsuyoshi, 4,816,872, Cl. 355-23.000.
  - Okamoto, Yuji; Maehara, Shigeharu; and Fujiwara, Katsuyoshi, 4,853,748, Cl. 355-55.000.
- Fujiwara, Kazunori: *See—*
  - Mishima, Tadaaki; Kanasaki, Morio; Takatoo, Masao; Fujiwara, Kazunori; and Kobayashi, Yoshiki, 4,823,194, Cl. 358-282.000.
- Fujiwara, Kazuo: *See—*
  - Shimogori, Kazutoshi; Fujiwara, Kazuo; Sugie, Kiyoshi; Morita, Kikuo; Nakayama, Takenori; Miyakawa, Mutsuhiro; and Torii, Yasushi, 4,820,486, Cl. 420-108.000.
- Fujiwara, Keisuke, to Sony Corporation. Disc drive arrangement. 4,847,713, 7-11-89, Cl. 360-99.070.
- Fujiwara, Keisuke: *See—*
  - Leonard, Vurnen; Kato, Arthur K.; Ohmori, Kiyoshi; Fujiwara, Keisuke; and Soda, Yutaka, 4,875,128, Cl. 360-133.000.
- Fujiwara, Kenichi, to Sumitomo Rubber Industries, Ltd. High performance tire tread. 4,798,236, 1-17-89, Cl. 152-209.00R.
- Fujiwara, Kenichi: *See—*
  - Wakabayashi, Makoto; Fujiwara, Kenichi; and Hayashi, Hideo, 4,874,836, Cl. 528-185.000.
- Fujiwara, Kenzo: *See—*
  - Tokuda, Yasunori; Fujiwara, Kenzo; Tsukada, Noriaki; Kojima, Keisuke; Nomura, Yoshinori; and Matsui, Teruhito, 4,817,110, Cl. 372-45.000.
  - Tokuda, Yasunori; and Fujiwara, Kenzo, 4,843,032, Cl. 437-129.000.
- Fujiwara, Koichi: *See—*
  - Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.
- Fujiwara, Koji: *See—*
  - Hirai, Wataru; and Fujiwara, Koji, 4,831,721, Cl. 29-740.000.
  - Tatemoto, Masayoshi; Yutani, Yuji; and Fujiwara, Koji, 4,861,836, Cl. 525-276.000.
- Fujiwara, Kozo: *See—*
  - Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.
- Fujiwara, Kunihiko: *See—*
  - Yabumoto, Toshiaki; and Fujiwara, Kunihiko, 4,842,831, Cl. 422-198.000.
- Fujiwara, Masahiko; Ajisawa, Akira; and Suzuki, Shuji, to NEC Corporation. Optical switch circuit. 4,798,435, 1-17-89, Cl. 350-96.130.
- Fujiwara, Masahiko; Shikada, Minoru; and Kaede, Kazuhisa, to NEC Corporation. Optical wavelength-division switching system with coherent optical detection system. 4,807,227, 2-21-89, Cl. 370-3.000.
- Fujiwara, Masahiko: *See—*
  - Komatsu, Keiro; and Fujiwara, Masahiko, 4,795,241, Cl. 350-354.000.
  - Miyatake, Kimio; Imaki, Takao; and Fujiwara, Masahiko, 4,808,825, Cl. 250-343.000.
- Fujiwara, Masahiro: *See—*
  - Nagaoka, Kenji; Tatsukami, Yoshiharu; Fujiwara, Masahiro; Abe, Katsuhiro; Yano, Kazunori; and Matsui, Ryuhei, 4,868,276, Cl. 528-215.000.
- Fujiwara, Masakatsu, to Sanyo Electric Co., Ltd. Electrophotographic copying machine having editorial function. 4,799,080, 1-17-89, Cl. 355-7.000.
- Fujiwara, Masaki, to Shoketsu Kinzoku Kabushiki Kaisha. Air line lubricator. 4,807,721, 2-28-89, Cl. 184-55.200.
- Fujiwara, Masami: *See—*
  - Akabane, Yasuhiro; Tamura, Takamitsu; and Fujiwara, Masami, 4,820,437, Cl. 252-102.000.
- Fujiwara, Masanori: *See—*
  - Hotomi, Hideo; Osawa, Izumi; Iino, Syuji; Doi, Isao; and Fujiwara, Masanori, 4,876,168, Cl. 430-58.000.
  - Iino, Shuji; Hotomi, Hideo; Fujiwara, Masanori; Doi, Isao; and Osawa, Izumi, 4,801,515, Cl. 430-66.000.
  - Iino, Syuji; Hotomi, Hideo; Saeki, Noboru; Fujiwara, Masanori; Uchino, Fumiko; and Osawa, Izumi, 4,797,338, Cl. 430-58.000.
  - Masaki, Kenji; Osawa, Izumi; Fujiwara, Masanori; Doi, Isao; and Takedomi, Yumiko, 4,886,724, Cl. 430-66.000.
- Fujiwara, Michio: *See—*
  - Furuishi, Yoshiro; Suganami, Takuya; and Fujiwara, Michio, 4,811,563, Cl. 60-517.000.
- Fujiwara, Mikio: *See—*
  - Sugiyama, Hiroshi; Fujiwara, Mikio; and Ikeda, Chikamasa, 4,797,824, Cl. 364-424.050.
- Fujiwara, Mitsugu: *See—*
  - Daido, Toshihiko; Fujiwara, Mitsugu; and Nishimura, Shigeo, 4,871,039, Cl. 180-79.100.
- Fujiwara, Mitsuru: *See—*
  - Shiraishi, Tomikatsu; and Fujiwara, Mitsuru, 4,812,837, Cl. 340-784.000.
- Fujiwara, Morio: *See—*
  - Mizuta, Akira; and Fujiwara, Morio, 4,853,817, Cl. 360-133.000.
- Fujiwara, Naoki: *See—*
  - Baba, Akira; Okiura, Kunio; and Fujiwara, Naoki, 4,885,999, Cl. 110-186.000.
  - Sakamoto, Koya; Yoneda, Yutaka; Fujiwara, Naoki; and Takamoto, Shigehito, 4,828,486, Cl. 431-170.000.
- Fujiwara, Nobuo, to Victor Company of Japan, Ltd. Audio amplifier. 4,873,493, 10-10-89, Cl. 330-285.000.
- Fujiwara, Nobuo: *See—*
  - Ogawa, Toshiaki; Fujiwara, Nobuo; Kawai, Kenji; Shibano, Teruo; Morita, Hiroshi; and Nishioka, Kyusaku, 4,877,509, Cl. 204-298.000.
  - Yoshioka, Nobuyuki; Fujiwara, Nobuo; and Watakabe, Yaichirou, 4,873,162, Cl. 430-5.000.
- Fujiwara, Nobuyoshi: *See—*
  - Ogawa, Masaki; and Fujiwara, Nobuyoshi, 4,865,593, Cl. 604-264.000.
- Fujiwara, Ryoji: *See—*
  - Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
- Fujiwara, Shigemi: *See—*
  - Nakajima, Nobuyoshi; and Fujiwara, Shigemi, 4,810,887, Cl. 250-327.200.
- Fujiwara, Shigeru: *See—*
  - Hosoya, Masahiro; Fujiwara, Shigeru; and Uehara, Tsutomu, 4,866,480, Cl. 355-245.000.
- Fujiwara, Shigetaka: *See—*
  - Kumasaka, Takao; Mitsuya, Teruaki; Komatsu, Isamu; Fujiwara, Shigetaka; and Shimazaki, Yuzuru, 4,862,828, Cl. 118-658.000.
  - Mitsuya, Teruaki; Kumasaka, Takao; Nishino, Shinichi; Yamada, Masato; and Fujiwara, Shigetaka, 4,821,052, Cl. 355-14.0FU.
- Fujiwara, Shinobu: *See—*
  - Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,799,127, Cl. 361-321.000.
  - Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,854,936, Cl. 29-570.100.
- Fujiwara, Shiro: *See—*
  - Watanabe, Toshihiro; and Fujiwara, Shiro, 4,854,517, Cl. 242-56.00R.
- Fujiwara, Shuzo: *See—*
  - Akoi, Katsutoshi; Fujiwara, Shuzo; Tanaka, Katsumi; Kakudate, Yozo; Yoshida, Masatake; and Usuba, Shu, 4,864,004, Cl. 526-73.000.
- Fujiwara, Tadashi: *See—*
  - Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.
- Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, to Kabushiki Kaisha Kobe Seiko Sho; and Shinko Kosen Kogyo Kabushiki. High strength and high toughness steel bar, rod and wire and the process of producing the same. 4,889,567, 12-26-89, Cl. 148-12.00B.
- Fujiwara, Takao, to Minolta Camera Kabushiki Kaisha. Optical illumination device for use in a copying apparatus. 4,827,314, 5-2-89, Cl. 355-68.000.
- Fujiwara, Takashi: *See—*
  - Asaka, Junichiro; Fujiwara, Tamio; Fujiwara, Takashi; Kuwajima, Goro; Kondo, Eiji; and Shin, Masaru, 4,886,748, Cl. 435-69.700.
  - Usui, Yasunori; Okamura, Hiroshi; Uetake, Yoshinari; and Fujiwara, Takashi, 4,882,612, Cl. 357-79.000.
- Fujiwara, Takayoshi; Iida, Toshikatsu; and Fukuda, Tetuo, to Kabushiki Kaisha Toshiba. Compressor. 4,802,827, 2-7-89, Cl. 417-356.000.
- Fujiwara, Takayoshi: *See—*
  - Iida, Toshikatsu; and Fujiwara, Takayoshi, 4,871,304, Cl. 418-220.000.
  - Iida, Toshikatsu; Fujiwara, Takayoshi; and Sone, Yoshinori, 4,872,820, Cl. 418-220.000.
  - Iida, Toshikatsu; Fujiwara, Takayoshi; and Fukuda, Tetsuo, 4,875,842, Cl. 418-220.000.
- Fujiwara, Takeshi: *See—*
  - Inoue, Masatsugu; Tokita, Kiyoshi; Sone, Toshinao; Fujiwara, Takeshi; and Nakane, Kazunori, 4,881,004, Cl. 313-408.000.
  - Koshigoe, Shinpei; and Fujiwara, Takeshi, 4,885,505, Cl. 315-3.000.
- Fujiwara, Takuji; Ishii, Kozo; and Mizobe, Tatsutoshi, to Mazda Motor Corporation. Oil pressure circuit for an automatic transmission. 4,841,813, 6-27-89, Cl. 74-866.000.
- Fujiwara, Tamio: *See—*
  - Asaka, Junichiro; Fujiwara, Tamio; Fujiwara, Takashi; Kuwajima, Goro; Kondo, Eiji; and Shin, Masaru, 4,886,748, Cl. 435-69.700.
- Fujiwara, Tatsuo: *See—*
  - Imanaka, Asaji; Fujiwara, Tatsuo; and Osaka, Shuichi, 4,885,693, Cl. 364-426.020.
- Fujiwara, Tatsuro; Watanabe, Hideyuki; and Sakakibara, Hideo, to Toyo Jozo Co., Ltd. 20-O-Acyl-19,20-enolmacrolide antibiotic derivatives. 4,804,749, 2-14-89, Cl. 536-7.100.
- Fujiwara, Tatsuro; Yashiro, Tomoko; and Sakakibara, Hideo, to Toyo Jozo Kabushiki Kaisha. 4′-Deoxy-3″-demethoxy-3″-methylenedesmycosin derivatives and synthetic intermediates thereof. 4,868,290, 9-19-89, Cl. 336-7.100.
- Fujiwara, Teruaki: *See—*
  - Shioji, Shobu; Sasabe, Masazumi; Dairoku, Yorimichi; and Fujiwara, Teruaki, 4,818,783, Cl. 524-425.000.
- Fujiwara, Teruo: *See—*
  - Furukawa, Kusuo; and Fujiwara, Teruo, 4,795,681, Cl. 428-600.000.
- Fujiwara, Tetsuo; Fuji, Hiroshi; Iwaki, Takashi; Deguchi, Toshihisa; and Kobayashi, Shozou, to Sharp Kabushiki Kaisha. Beam controller for magneto-optical disc memory system. 4,843,604, 6-27-89, Cl. 369-116.000.
- Fujiwara, Toshihiro; Tsurumi, Hideaki; and Sato, Yukio, to Daiichi Seiyaku Co., Ltd. Optical resolution of benzoxazines. 4,880,926, 11-14-89, Cl. 544-105.000.
- Fujiwara, Tsuneo: *See—*
  - Tsuji, Kentaro; Fujiwara, Tsuneo; Maeda, Shigemi; Yamaguchi, Taeshi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,868,922, Cl. 360-51.000.
- Fujiwara, Tsutae: *See—*
  - Fukuda, Masao; and Fujiwara, Tsutae, 4,816,184, Cl. 252-511.000.
- Fujiwara, Yasuhiko; Abe, Toshiro; Hashimoto, Atsunori; Nakazawa, Shinsuke; Nagano, Masami; and Atago, Takeshi, to Hitachi, Ltd.; and Nissan Motor Co., Ltd. Ignition timing adjusting apparatus for internal combustion engine. 4,887,573, 12-19-89, Cl. 123-422.000.
- Fujiwara, Yasuo, to Fuji Photo Film Co., Ltd. Image processing method and apparatus. 4,839,747, 6-13-89, Cl. 358-342.000.
- Fujiwara, Yoshiro; Endo, Michiko; Kojima, Yuji; Wakatsuki, Noboru; Hirano, Akira; and Komenou, Kazunari, to Fujitsu Limited. Position detecting apparatus using a magnetic sensor and a closed magnetic circuit with non-uniform magnetic flux distribution. 4,810,965, 3-7-89, Cl. 324-208.000.
- Fujiwara, Yoshito: *See—*
  - Taniuchi, Toshihiko; Nemoto, Rikio; and Fujiwara, Yoshito, 4,808,371, Cl. 420-54.000.
- Fujiwara, Yutaka; and Nagano, Masatoshi, to Canon Kabushiki Kaisha. Structure for installing flexible printed circuit board. 4,864,348, 9-5-89, Cl. 354-485.000.
- Fujiwara, Yutaka: *See—*
  - Eguchi, Masaharu; Fujiwara, Yutaka; Yamanouchi, Haruhiko; and Terashima, Jun, 4,804,331, Cl. 439-162.000.
- Fujiwhara, Mitsuto; Uchida, Takashi; and Kimura, Toshihiko, to Konica Corporation. Light-sensitive silver halide color photographic material containing multi-functional dye. 4,871,655, 10-3-89, Cl. 430-519.000.
- Fujiyama Giken Co., Ltd.: *See—*
  - Fujisawa, Shotaro, 4,806,187, Cl. 156-86.000.
- Fujiyama, Hirohisa: *See—*
  - Kimura, Akira; Kashiwabara, Hiroshi; and Fujiyama, Hirohisa, 4,841,116, Cl. 219-73.100.
- Fujiyama, Hiroyuki; and Nishikawa, Sinji, to Fujitsu Limited. Register circuit with plural registers simultaneously reset when a selected register receives data. 4,866,742, 9-12-89, Cl. 377-70.000.
- Fujiyama, Masaaki: *See—*
  - Iida, Shinobu; Fujiyama, Masaaki; Komine, Shigeo; and Yamada, Keisuke, 4,888,212, Cl. 427-130.000.
  - Ishikuro, Tadashi; and Fujiyama, Masaaki, 4,812,330, Cl. 427-128.000.
  - Ishikuro, Tadashi; Mochizuki, Kouiti; and Fujiyama, Masaaki, 4,851,288, Cl. 428-329.000.
  - Miura, Toshihiko; Fujiyama, Masaaki; and Kakuishi, Yutaka, 4,844,991, Cl. 428-694.000.
  - Yamaguchi, Nobutaka; Fujiyama, Masaaki; Suzuki, Masami; and Yamada, Yasuyuki, 4,840,842, Cl. 428-323.000.
- Fujiyasu, Hiroshi: *See—*
  - Noma, Hiroshi; and Fujiyasu, Hiroshi, 4,854,264, Cl. 118-719.000.
- Fujiyasu, Takeshi: *See—*
  - Taniguchi, Isao; Yasukouchi, Kazuo; Tsuji, Ichiroh; and Fujiyasu, Takeshi, 4,839,017, Cl. 204-403.000.
- Fujiyoshi, Junko. Insulating vessel for chilled drink container. 4,813,558, 3-21-89, Cl. 215-100.00R.
- Fujiyoshi, Shiori, to Jimbo Electric Co., Ltd. Switching apparatus having a rocking element. 4,808,778, 2-28-89, Cl. 200-33.900.
- Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, to Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for controlling valve operation in an internal combustion engine. 4,873,949, 10-17-89, Cl. 123-90.120.
- Fujiyoshi, Yoshihiro: *See—*
  - Kawamoto, Michio; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,862,843, Cl. 123-90.110.
  - Yagi, Toru; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,889,085, Cl. 123-90.120.
- Fujiyoshi, Yoshihisa, to Kanefusa Hamono Kogyo Company Limited. Plate-like rotary body with vibration-suppressing characteristics and method of manufacturing same. 4,794,835, 1-3-89, Cl. 83-835.000.
- Fujutsu Limited: *See—*
  - Ashida, Hideo, 4,801,899, Cl. 332-17.000.
  - Onishi, Katsumi; Oinaga, Yuji; and Otsuyama, Kohei, 4,802,113, Cl. 364-900.000.
- Fukada, Hideaki: *See—*
  - Masuda, Yoshio, 4,802,292, Cl. 37-69.000.
- Fukada, Isao: *See—*
  - Nakanishi, Takehisa; Koga, Eizi; and Fukada, Isao, 4,876,372, Cl. 549-529.000.
- Fukada, Masao, to Kabushiki Kaisha Komatsu Seisakusho. Excavated earth and sand transporting apparatus for use in a shield machine. 4,846,606, 7-11-89, Cl. 405-144.000.
- Fukada, Nobuo: *See—*
  - Shindo, Takuji; Naito, Hiromitsu; Kondo, Masayoshi; Fukuyama, Takashi; Koizumi, Masaaki; and Fukada, Nobuo, 4,886,559, Cl. 148-421.000.
- Fukada, Takeshi: *See—*
  - Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.
  - Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
  - Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.
  - Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.
  - Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.
- Fukada, Tetsuji: *See—*
  - Kawasaki, Osamu; Takeda, Katsu; Inaba, Ritsuo; and Fukada, Tetsuji, 4,853,579, Cl. 310-116.000.
- Fukae, Kensuke; and Kaieda, Shozo, to Kentek Information Systems, Inc. Combined electrographic printer, copier, and telefax machine with duplex capability. 4,814,798, 3-21-89, Cl. 346-160.000.
- Fukae, Kensuke; and Kaieda, Shozo, to Kentek Information Systems, Inc. Duplex printing module for an electrographic printer. 4,825,245, 4-25-89, Cl. 355-3.0SH.

- Fukae, Kensuke; and Kaieda, Shozo, to Kentek Information Systems, Inc. Cleaning device for a photoconductive printer or copier. 4,829,337, 5-9-89, Cl. 355-296.000.
- Fukae, Kensuke; and Kaieda, Shozo, to Kentek Information Systems, Inc. Electrographic printer with small diameter drum and charged transfer belt. 4,841,334, 6-20-89, Cl. 355-271.000.
- Fukae Powtec Corporation: *See—*
  - Iwata, Akira; and Harada, Chosei, 4,826,325, Cl. 366-221.000.
- Fukagai, Toshiaki: *See—*
  - Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.
- Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Umeda, Minoru; and Yokoyama, Kayoko, to Ricoh Company, Ltd. Electrophotographic photoconductor with layer preventing charge injection. 4,822,705, 4-18-89, Cl. 430-60.000.
- Fukagai, Toshio; Kimura, Michio; Ohta, Masafumi; and Hashimoto, Mitsuru, to Ricoh Company Ltd. Electrophotographic photoconductor. 4,830,942, 5-16-89, Cl. 430-58.000.
- Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Yokoyama, Kayoko; and Umeda, Minoru, to Ricoh Company Ltd. Electrophotographic photoconductor comprising charge generating and transport layers containing adjuvants. 4,863,822, 9-5-89, Cl. 430-58.000.
- Fukagawa, Yasuo: *See—*
  - Suibamoto, Norio; Yoshioka, Takeo; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,853,407, Cl. 514-414.000.
  - Yoshioka, Takeo; Chida, Noritaka; Watanabe, Azuma; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,812,563, Cl. 540-302.000.
- Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, to Canon Kabushiki Kaisha. Motor driven camera. 4,816,851, 3-28-89, Cl. 354-173.100.
- Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, to Canon Kabushiki Kaisha. Motor driven camera. 4,864,336, 9-5-89, Cl. 354-152.000.
- Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, to Canon Kabushiki Kaisha. Motor driven camera. 4,881,092, 11-14-89, Cl. 354-152.000.
- Fukahori, Hidehiko: *See—*
  - Haraguchi, Shosuke; Fukahori, Hidehiko; and Ishikawa, Masanori, 4,827,296, Cl. 354-187.000.
- Fukahori, Naoyuki: *See—*
  - Terada, Hiromu; Sakunaga, Kenichi; and Fukahori, Naoyuki, 4,812,012, Cl. 350-96.240.
  - Terada, Hiromu; Sakunaga, Kenichi; and Fukahori, Naoyuki, 4,842,365, Cl. 350-96.240.
  - Terada, Hiromu; Fukahori, Naoyuki; and Sakunaga, Kenichi, 4,872,740, Cl. 350-96.260.
- Fukahori, Toshio; Takashima, Hideyuki; and Morinaga, Hitoshi, to Hitachi Cable Limited. Multi-port fiberoptic rotary joint. 4,872,737, 10-10-89, Cl. 350-96.200.
- Fukahori, Toshio: *See—*
  - Kajioka, Hiroshi; Fukahori, Toshio; Shiina, Noribumi; and Morinaga, Hitoshi, 4,848,867, Cl. 350-96.210.
- Fukahori, Yoshihide; Kojima, Hiromu; and Ogino, Akihiko, to Bridgestone Corporation. Anti-seismic bearing and assembly of anti-seismic bearings. 4,830,927, 5-16-89, Cl. 428-495.000.
- Fukai, Kikuji: *See—*
  - Fukushima, Hiroshi; and Fukai, Kikuji, 4,868,979, Cl. 29-840.000.
- Fukai, Konosuke: *See—*
  - Fujita, Hiroyuki; Yoshida, Iwao; Takagi, Mitsuo; Manabe, Sadao; and Fukai, Konosuke, 4,810,492, Cl. 424-88.000.
- Fukai, Naoki: *See—*
  - Yamaoka, Naoji; Ozawa, Shogo; Fukai, Naoki; Yuzawa, Masayuki; Nakamura, Takeshi; and Asano, Yutaka, 4,811,891, Cl. 228-182.000.
- Fukai, Nobutaka; Kimura, Tsutomu; and Matsuda, Terumi, to Fuji Photo Film Co., Ltd. Cassette and erasure device for stimulable phosphor sheet. 4,849,630, 7-18-89, Cl. 250-327.200.
- Fukai, Toshibumi: *See—*
  - Nohmi, Takashi; and Fukai, Toshibumi, 4,813,983, Cl. 55-158.000.
- Fukai, Yoshio; Takagi, Hitoshi; and Osawa, Tatsuo. Vibratory body mounting structure with a vibration-conduction preventing mechanism. 4,799,640, 1-24-89, Cl. 248-559.000.
- Fukamachi, Masaaki; Onitsuka, Nobuyuki; Yano, Masaru; and Sakata, Kazuhiro, to Honda Lock Manufacturing Co., Ltd. Electronic lock and key switch having key identifying function. 4,849,749, 7-18-89, Cl. 340-825.310.
- Fukamachi, Masaaki; Onitsuka, Nobuyuki; Tanaka, Akira; and Nakamura, Kazuo, to Honda Lock Manufacturing Co., Ltd.; and Honda Giken Kogyo Kabushiki Kaisha. Anti-theft system for automotive vehicles. 4,862,139, 8-29-89, Cl. 340-426.000.
- Fukami, Akira: *See—*
  - Yazawa, Yoshiaki; Kobayashi, Yutaka; Fukami, Akira; and Nagano, Takahiro, 4,819,043, Cl. 357-23.300.
- Fukami, Harukazu: *See—*
  - Higuchi, Naoki; Saitoh, Masayuki; Hashimoto, Masaki; Fukami, Harukazu; and Tanaka, Takaharu, 4,826,870, Cl. 514-422.000.
  - Saitoh, Masayuki; Tanaka, Takaharu; Higuchi, Naoki; Hashimoto, Masaki; and Fukami, Harukazu, 4,810,721, Cl. 514-422.000.
- Fukami, Kashirou; Inagaki, Masao; Oomura, Seiji; and Hamamoto, Tooru, to Toyota Jidosha Kabushiki Kaisha. Dual reservoir tank for propellant hydraulic fluid for internal combustion engine hydraulically driven cooling fan and for power steering actuating fluid. 4,794,883, 1-3-89, Cl. 123-41.120.
- Fukami, Kashirou: *See—*
  - Oomura, Seiji; Fukami, Kashirou; Inagaki, Masao; and Hamamoto, Tooru, 4,798,177, Cl. 12.3-41.120.
- Fukami, Kiyoshi; Sekiguchi, Takeshi; and Ohshima, Shigeru, to Canon Kabushiki Kaisha. Color television camera incorporating a color resolving prism system. 4,857,997, 8-15-89, Cl. 358-55.000.
- Fukami, Masanobu; and Sakakibara, Naoji, to Aisin Seiki Kabushiki Kaisha. Electrically driven power steering apparatus. 4,809,173, 2-28-89, Cl. 364-424.050.
- Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, to Sony Corporation. Apparatus for reproducing a digital signal. 4,799,221, 1-17-89, Cl. 371-38.000.
- Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, to Sony Corporation. Decoding apparatus. 4,802,172, 1-31-89, Cl. 371-38.000.
- Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, to Sony Corporation. Method and apparatus for reproducing or recording a PCM signal and sub data concerning the PCM signal in a paired format. 4,812,924, 3-14-89, Cl. 360-32.000.
- Fukami, Tadashi; and Ino, Hiroyuki, to Sony Corporation. Apparatus for reproducing a digital signal without employing tracking signals. 4,862,297, 8-29-89, Cl. 360-53.000.
- Fukami, Tadashi; and Odaka, Kentaro, to Sony Corporation. Method and apparatus for uniformly encoding data occurring with different word lengths. 4,866,636, 9-12-89, Cl. 364-514.000.
- Fukami, Tadashi: *See—*
  - Odaka, Kentaro; Fukami, Tadashi; and Ozaki, Shinya, 4,875,111, Cl. 360-64.000.
  - Ozaki, Shinya; Fukami, Tadashi; and Odaka, Kentaro, 4,837,646, Cl. 360-27.000.
  - Sugiki, Hiraku; Ino, Hiroyuki; and Fukami, Tadashi, 4,885,647, Cl. 360-73.120.
- Fukami, Takeshi: *See—*
  - Nakagami, Taro; Fukami, Takeshi; and Terauchi, Toshiro, 4,876,719, Cl. 381-1.000.
- Fukami, Yoshinari: *See—*
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
  - Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masaji, 4,815,419, Cl. 123-41.420.
- Fukano, Masahiko: *See—*
  - Kano, Atsushi; Watanabe, Toshio; Yamamoto, Haruo; Yamaguchi, Katsuhide; Oda, Kenji; Tsunoda, Arihiro; and Fukano, Masahiko, 4,801,975, Cl. 355-14.0TR.
- Fukano, Michio: *See—*
  - Hojo, Takeshi; Yamamoto, Kanshi; Kawada, Shinichi; Murabayashi, Kazushige; Akimoto, Mamoru; and Fukano, Michio, 4,879,918, Cl. 74-5.470.
- Fukao, Hiroshi: *See—*
  - Inagaki, Sanji; Fukao, Hiroshi; Yamada, Tetsuya; Urano, Etsuaki; and Hattori, Yoshihiro, 4,812,873, Cl. 355-3.0FU.
- Fukao, Masami: *See—*
  - Suzukamo, Gohfu; Fukao, Masami; and Sakito, Yoji, 4,812,264, Cl. 260-544.00L.
  - Suzukamo, Gohfu; Sakito, Yoji; and Fukao, Masami, 4,820,864, Cl. 560-124.000.
  - Suzukamo, Gohfu; and Fukao, Masami, 4,822,764, Cl. 502-344.000.
  - Suzukamo, Gohfu; and Fukao, Masami, 4,877,918, Cl. 585-664.000.
  - Suzukamo, Gohfu; and Fukao, Masami, 4,879,429, Cl. 585-670.000.
- Fukao, Tadashi: *See—*
  - Kawamura, Hideo; and Fukao, Tadashi, 4,864,174, Cl. 310-156.000.
- Fukao, Tomohisa: *See—*
  - Tanaka, Shigeo; Sakai, Jiro; Fukao, Tomohisa; Wakatsuki, Kizuku; and Wakamatsu, Kazuki, 4,883,842, Cl. 525-240.000.
- Fukasawa, Akira: *See—*
  - Inagaki, Takeo; Fukasawa, Akira; and Yamagishi, Hiroshi, 4,845,298, Cl. 564-490.000.
- Fukasawa, Eiichi: *See—*
  - Okudaira, Shigenori; Irie, Takefumi; Uchida, Hiroshi; Fukasawa, Eiichi; Kobayashi, Kazuhiko; and Yamaguchi, Masanori, 4,877,445, Cl. 75-0.50B.
- Fukasawa, Hideyuki; Kobayashi, Mamoru; and Wanami, Masahiro, to Hitachi, Ltd. Method and apparatus for aligning solder balls. 4,871,110, 10-3-89, Cl. 228-245.000.
- Fukasawa, Junichi; Kato, Haruya; Iwaya, Katsumasa; Shimizu, Takako; and Kawano, Atsushi, to Kao Corporation. Cosmetic powder. 4,857,308, 8-15-89, Cl. 424-63.000.
- Fukasawa, Junichi: *See—*
  - Imamura, Takashi; Nishigawa, Norio; Kurosaki, Toshihiro; Fukasawa, Junichi; and Kato, Haruya, 4,804,533, Cl. 424-49.000.
- Fukasawa, Satoshi: *See—*
  - Hiramoto, Tsutomu; Fukasawa, Satoshi; Kubodera, Takeshi; Hirose, Kimimoto; Shinozaki, Sohji; and Yasufuku, Yoshitaka, 4,832,301, Cl. 248-359.00H.
- Fukasawa, Yoshiharu; Kawai, Mituo; Ishihara, Hideo; and Yamamoto, Takashi, to Kabushiki Kaisha Toshiba. Sputtering target. 4,842,706, 6-27-89, Cl. 204-298.000.
- Fukasawa, Yoshihito: *See—*
  - Kato, Toshihiro; Shindo, Masamichi; and Fukasawa, Yoshihito, 4,874,956, Cl. 250-560.000.
- Fukase, Hiroshi: *See—*
  - Horii, Satoshi; Kameda, Yukihiko; and Fukase, Hiroshi, 4,803,303, Cl. 564-462.000.
  - Horii, Satoshi; and Fukase, Hiroshi, 4,824,943, Cl. 536-1.100.
- Fukase, Hisahiko: *See—*
  - Hirata, Atsushi; Fukase, Hisahiko; Matsui, Kunio; and Nomura, Akihiro, 4,865,115, Cl. 164-428.000.
  - Matsui, Kunio; Fukase, Hisahiko; Hirata, Atsushi; and Nomura, Akihiro, 4,883,113, Cl. 164-428.000.
  - Nomura, Akihiro; Fukase, Hisahiko; Matsui, Kunio; and Hirata, Atsushi, 4,804,037, Cl. 164-449.000.
- Fukase, Katsuya: *See—*
  - Sato, Takeshi; Fukase, Katsuya; Shimada, Kiyotaka; and Uchida, Hirofumi, 4,867,839, Cl. 156-630.000.
- Fukase, Tetsuro: *See—*
  - Motai, Hiroshi; Fukushima, Yaichi; Fukase, Tetsuro; and Itoh, Harumichi, 4,879,235, Cl. 435-225.000.
- Fukata, Akio; and Fujisawa, Yoshihisa, to Diesel Kiki Co., Ltd. Soldering structure of tubular material. 4,867,486, 9-19-89, Cl. 285-222.000.
- Fukatani, Yasunobu: *See—*
  - Kitano, Seiichi; Fukatani, Yasunobu; and Asada, Masaaki, 4,807,730, Cl. 192-13.00R.
  - Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, 4,848,550, Cl. 192-99.00A.
  - Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, 4,856,624, Cl. 192-70.300.
- Fukatsu, Shunzo: *See—*
  - Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Kei; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.
  - Umezawa, Hamao, deceased; Aoyagi, Takaaki; Tatsuta, Kuniaki; Nakamura, Takeshi; and Fukatsu, Shunzo, 4,870,207, Cl. 562-439.000.
- Fukatsu, Takeo: *See—*
  - Takeuchi, Masaru; Fukatsu, Takeo; Nakano, Shoichi; Kuwano, Yukinori; Minami, Koji; and Iwamoto, Masayuki, 4,841,328, Cl. 355-211.000.
  - Takeuchi, Masaru; Gotoh, Kazuyuki; Wakisaka, Kenichiro; Honma, Kazuhiko; Fukatsu, Takeo; Nakano, Shoichi; and Kuwano, Yukinori, 4,885,226, Cl. 430-65.000.
- Fukatsu, Tsunehiko: *See—*
  - Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.
- Fukatsu, Tsutomu; Hori, Taizou; Masui, Toshiyuki; Kobayashi, Takashi; Wakui, Tetsuya; and Takahashi, Koji, to Canon Kabushiki Kaisha. Multi-mode and multi-channel reproducing apparatus with channel change coordinated with mode change. 4,853,803, 8-1-89, Cl. 360-72.200.
- Fukatsu, Tsutomu: *See—*
  - Kashida, Motokazu; Masui, Toshiyuki; Fukatsu, Tsutomu; Takahashi, Koji; Takei, Masahiro; and Nagasawa, Kenichi, 4,803,570, Cl. 360-61.000.
  - Kashida, Motokazu; Takei, Masahiro; Takahashi, Kouji; Masui, Toshiyuki; Fukatsu, Tsutomu; and Nagasawa, Kenichi, 4,807,057, Cl. 360-32.000.
  - Nagasawa, Kenichi; Sasatani, Tomohiko; and Fukatsu, Tsutomu, 4,816,940, Cl. 360-77.150.
  - Nakatani, Yoshihiro; and Fukatsu, Tsutomu, 4,882,633, Cl. 358-339.000.
- Fukatsu, Yasumasa: *See—*
  - Akiyama, Toru; Yasuda, Shigeru; Yasukawa, Kenichiro; and Fukatsu, Yasumasa, 4,837,637, Cl. 358-342.000.
- Fukatsu, Yasuo: *See—*
  - Omizono, Hitoshi; Sasaki, Hiroshi; Fukatsu, Yasuo; Ota, Saburo; and Ueda, Yoshio, 4,837,995, Cl. 52-223.00L.
- Fukawa, Isaburo; and Yoneda, Haruyuki, to Asahi Kasei Kogyo Kabushiki Kaisha. Crystalline aromatic polyketone copolymer produced from 4-mercaptophenol, dihaloterephtalophenone, and hydroquinone or dihydroxybenzophenone. 4,804,735, 2-14-89, Cl. 528-125.000.
- Fukawa, Kazuyoshi: *See—*
  - Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, 4,835,970, Cl. 60-545.000.
- Fukawatase, Midori: *See—*
  - Khe, Nguyen C.; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,868,079, Cl. 430-72.000.
  - Nishio, Yoshihiro; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,859,555, Cl. 430-72.000.
- Fukaya, Chikara; Ashimori, Atsuyuki; Ono, Taizo; and Yokoyama, Kazumasa, to Green Cross Corporation, The. Certain 1,4-dihydro-2,6-dilower-alkyl-4-(mono-substituted pyridyl) useful for treating coronary artery or cerebral artery disease. 4,849,429, 7-18-89, Cl. 514-307.000.
- Fukaya, Chikara; Naito, Youichiro; Hanada, Shuichi; Watanabe, Masahiro; and Yokoyama, Kazumasa, to Green Cross Company, The. Indoleacetic acid derivatives used as anti-inflammatories. 4,868,201, 9-19-89, Cl. 514-420.000.
- Fukaya, Chikara: *See—*
  - Ashimori, Atsuyuki; Ono, Taizo; Inoue, Yoshihisa; Fukaya, Chikara; and Yokoyama, Kazumasa, 4,886,819, Cl. 514-356.000.
  - Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.
- Fukaya, Jun, to Fujitsu Limited. Semiconductor package having side walls, earth-bonding terminal, and earth lead formed in a unitary structure. 4,825,282, 4-25-89, Cl. 347-74.000.
- Fukaya, Masaki: *See—*
  - Itabashi, Satoshi; Shoji, Tatsumi; and Fukaya, Masaki, 4,835,507, Cl. 338-17.000.
  - Nakagawa, Katsumi; Kawakami, Soichiro; Gofuku, Ihachiro; Hatanaka, Katsunori; Fukaya, Masaki; and Komatsu, Toshiyuki, 4,845,355, Cl. 250-211.00J.
- Fukaya, Seiryo; Takano, Mitsuyoshi; and Amamoto, Narushi, to Anritsu Corporation. Signal analyzer apparatus with automatic frequency measuring function. 4,839,582, 6-13-89, Cl. 324-77.00B.
- Fukaya, Seiryo: *See—*
  - Takano, Mitsuyoshi; and Fukaya, Seiryo, 4,839,583, Cl. 324-77.00B.
- Fukaya, Takashi: *See—*
  - Ishikawa, Tomonori; Fukaya, Takashi; Tsunoda, Toshiyuki; and Fujiwara, Hiroshi, 4,871,245, Cl. 350-502.000.
  - Nagano, Takashi; Tsunoda, Toshiyuki; and Fukaya, Takashi, 4,807,989, Cl. 351-212.000.
  - Nagano, Takashi; and Fukaya, Takashi, 4,815,832, Cl. 350-522.000.
  - Togino, Takayoshi; Fujiwara, Hiroshi; Takabayashi, Yutaka; Nagano, Takashi; Fukaya, Takashi; Minami, Kazuyuki; and Tsunoda, Toshiyuki, 4,802,749, Cl. 350-516.000.
- Fukaya, Toshihiro: *See—*
  - Tokuno, Masateru; Sawada, Tetsuya; Gotou, Sadaaki; and Fukaya, Toshihiro, 4,795,297, Cl. 414-795.400.
- Fukaya, Toshio: *See—*
  - Ito, Takeo; Takeuchi, Hajime; Hashimoto, Minoru; Fukaya, Toshio; and Koishi, Masumi, 4,880,666, Cl. 427-128.000.
- Fukaya, Yasunobu, to Kabushiki Kaisha Daikin Seisakusho. Intermediate plate positioning mechanism for twin clutch. 4,848,554, 7-18-89, Cl. 192-70.250.
- Fukayama, Tateki. Readjustable floor system. 4,852,315, 8-1-89, Cl. 52-220.000.
- Fukayama, Yukio; and Kuramoto, Atsushi, to Babcock-Hitachi Kabushiki Kaisha. Boiler control system. 4,841,918, 6-27-89, Cl. 122-406.0ST.
- Fukayama, Yukio; Oshima, Taku; and Kawano, Shigeyoshi, to Babcock-Hitachi Kabushiki Kaisha. Apparatus for controlling boiler/turbine plant. 4,888,953, 12-26-89, Cl. 60-657.000.
- Fukazawa, Eiji: *See—*
  - Kawai, Shinichi; Fukazawa, Eiji; Miyashita, Hiroshi; and Shiiba, Yoshio, 4,813,529, Cl. 198-468.600.
- Fukazawa, Hiroyuki: *See—*
  - Nambu, Seigo; Fukazawa, Hiroyuki; and Takei, Shinji, 4,866,506, Cl. 357-72.000.
- Fukazawa, Kazuhito, to Mitsui & Co., Ltd.; and Kokan Kako Co., Ltd. Manifold and manufacturing method thereof. 4,864,978, 9-12-89, Cl. 123-52.00M.
- Fukazawa, Kuzuhito, to Mitsui & Co., Ltd.; and Kokan Kako Co., Ltd. Manifold and manufacturing method thereof. 4,831,824, 5-23-89, Cl. 60-322.000.
- Fukazawa, Masashi: *See—*
  - Kobayashi, Kazuo; Fukazawa, Masashi; and Ishikawa, Shinji, 4,859,299, Cl. 204-157.920.
- Fukazawa, Nobuyuki; Kaiho, Tatsuo; and Yamashita, Hiroyuki, to Mitsui Toatsu Chemicals, Inc. Process for preparing 4-acetyl isoquinolinone compounds. 4,814,458, 3-21-89, Cl. 546-141.000.
- Fukazawa, Takeshi: *See—*
  - Mizukoshi, Masahito; Kawasaki, Eishi; Miyajima, Takeshi; and Fukazawa, Takeshi, 4,881,056, Cl. 338-4.000.
- Fukazawa, Tokuumi: *See—*
  - Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.
- Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki, to Kabushiki Kaisha Tokyo Kikai Seisakusho; and Kabushiki Kaisha Tokoyo Kikai Seisakusho. Tab attaching device used in an automatic device for preparing paper rolls for web pasting. 4,812,198, 3-14-89, Cl. 156-497.000.
- Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki, to Kabushiki Kaisha Kaneda Kikai Seisakusho; and Kabushiki Kaisha Tokyo Kikai Seisakusho. Automatic device for treating unusable paper used in device for preparing rolls for web pasting. 4,830,304, 5-16-89, Cl. 242-67.200.
- Fuke, Motohiro: *See—*
  - Sreekrishna, Kotikanyadan; and Fuke, Motohiro, 4,857,467, Cl. 435-255.000.
- Fuke, Takamichi: *See—*
  - Ohkita, Masao; Kobayashi, Kazuo; Gunji, Kunihiko; Sugawara, Tadami; Shigenai, Osamu; and Fuke, Takamichi, 4,796,118, Cl. 360-105.000.
- Fuke, Yasukiyo: *See—*
  - Watanabe, Takeshi; and Fuke, Yasukiyo, 4,832,307, Cl. 249-63.000.
- Fukinuki, Takahiko; Hirano, Yasuhiro; Yoshigi, Hiroshi; and Jusa, Hidehiko, to Hitachi, Ltd. High resolution color television signal transmission system and receiver utilizing motion information of a picture. 4,885,631, 12-5-89, Cl. 358-21.00R.
- Fukizawa, Kazunori; Higuchi, Mitsushi; and Namiki, Kunio, to Nagoyo Screw Mfg. Co., Ltd.; Daido Tokushuko Kabushiki Kaisha; and Honda Giken Kogyo Kabushiki Kaisha. Method of manufacturing high strength blank a bolt. 4,838,961, 6-13-89, Cl. 148-12.400.
- Fukizawa, Kazunori; Ohshima, Toyoko; and Hata, Toshinobu, to Honda Giken Kogyo Kabushiki Kaisha. Carbon-fiber-reinforced metallic material and method of producing the same. 4,889,774, 12-26-89, Cl. 428-614.000.
- Fukke, Hajime, to Hitachi, Ltd. Magnetic recording medium. 4,873,129, 10-10-89, Cl. 428-694.000.

Fukubayashi, Harold H.; Tsushima, Kenichi; Tucker, Robert C., Jr.; and Taylor, Thomas A., to Union Carbide Corporation. High volume fraction refractory oxide, thermal shock resistant coatings. 4,822,689, 4-18-89, Cl. 428-472.000.

Fukube, Nobuyoshi: *See*—

Miyamoto, Mitsuyasu; Ishimaru, Osamu; and Fukube, Nobuyoshi, 4,825,491, Cl. 8-152.000.

Fukubi Kagaku Kogyo Kabushiki Kaisha: *See*—

Watanabe, Kayo; Saito, Akira; and Aoki, Yoshihiro, 4,850,138, Cl. 49-84.000.

Fukuchi, Hiroyuke; Nishiyama, Masatoshi; and Sugawara, Yukio, to Kirin Beer Kabushiki Kaisha. Apparatus for detecting defects on bottle mouth with screw thread. 4,831,250, 5-16-89, Cl. 250-223.00B.

Fukuchi, Hiroyuki, to Kirin Beer Kabushiki Kaisha. Apparatus for inspecting sidewall of bottle. 4,866,263, 9-12-89, Cl. 250-223.00B.

Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, to Konishiroku Photo Industry Co., Ltd. Image processing method and image forming apparatus. 4,825,246, 4-25-89, Cl. 355-4.000.

Fukuchi, Masakazu: *See*—

Morita, Shizuo; Hayakawa, Kazushi; Ito, Kunio; Matsuo, Shunji; Fukuchi, Masakazu; and Hatakeyama, Noboru, 4,878,091, Cl. 355-260.000.

Tokunaga, Hiroshi; Hamada, Jun-ichi; and Fukuchi, Masakazu, 4,816,900, Cl. 358-75.000.

Fukuchi, Tadakazu: *See*—

Setake, Toshimi; Fukuchi, Tadakazu; Minami, Toshiaki; Nagai, Tomoaki; Kaneko, Toshio; and Fujimura, Fumio, 4,853,362, Cl. 503-209.000.

Fukuchi, Toshiki: *See*—

Matsumoto, Susumu; Ohta, Hiroki; Yamada, Masahiro; Higashino, Yoshiaki; and Fukuchi, Toshiki, 4,877,804, Cl. 514-342.000.

Okada, Itaru; Okui, Shuko; Nishimata, Mana; Takahashi, Yoji; and Fukuchi, Toshiki, 4,861,777, Cl. 514-234.500.

Fukuda, Akio; Kaneko, Yasunori; Maki, Masao; and Isogai, Mamoru, to Matsushita Electric Industrial Co., Ltd. IR Radiation heating element. 4,824,733, 4-25-89, Cl. 428-447.000.

Fukuda, Akira; and Masuda, Itsuro, to Hamada Printing Press Mfg. Co., Ltd. Method and apparatus for treating end portion of roll paper. 4,802,632, 2-7-89, Cl. 242-58.500.

Fukuda, Akira: *See*—

Mikoshi, Tadafumi; Oka, Hitoshi; and Fukuda, Akira, 4,828,451, Cl. 414-680.000.

Fukuda, Bunjiro; Sugiyama, Toshitomo; Sato, Keiji; and Honda, Atsuhito, to Kawasaki Steel Corporation. Apparatus for improvement of iron loss of electromagnetic steel sheet or amorphous material. 4,846,448, 7-11-89, Cl. 266-103.000.

Fukuda Denshi Co., Ltd.: *See*—

Inoue, Hirokatsu; and Shimizu, Chuji, 4,852,574, Cl. 128-643.000.

Muraki, Yoshiya; and Takahashi, Akinori, 4,813,428, Cl. 128-721.000.

Nakahashi, Yoshinao; Osada, Soichi; Shimizu, Chuji; and Ichida, Shinshichi, 4,852,572, Cl. 128-640.000.

Shimizu, Chuji; and Onodera, Yasuaki, 4,809,699, Cl. 128-640.000.

Fukuda, Haruki: *See*—

Higuchi, Masahiro; Fukuda, Haruki; Tazaki, Kenshi; Matsuda, Masahiro; and Awazu, Tomohiko, 4,809,267, Cl. 370-86.000.

Fukuda, Hideo; Ogawa, Takahira; and Fujii, Takao, to Fukuda, Hideo. Microbial method of producing C_3 and/or C_4 hydrocarbons. 4,863,862, 9-5-89, Cl. 435-166.000.

Fukuda, Hideyuki: *See*—

Ishikawa, Fujio; Sumiya, Hitoshi; Oyabu, Motonobu; and Fukuda, Hideyuki, 4,845,824, Cl. 29-243.570.

Fukuda, Hiromi: *See*—

Miyata, Satoru; Fukuda, Hiromi; and Imamura, Shinzo, 4,824,964, Cl. 548-490.000.

Fukuda, Hiroshi; Nagai, Takeshi; and Ohji, Kenzo, to Matsushita Electric Industrial Co., Ltd. Oxygen sensor and method of making such sensor. 4,808,293, 2-28-89, Cl. 204-410.000.

Fukuda, Hiroshi; Hasegawa, Norio; Tanaka, Toshihiko; and Kurosaki, Toshiei, to Hitachi, Ltd. Method of forming pattern and projection aligner for carrying out the same. 4,869,999, 9-26-89, Cl. 430-311.000.

Fukuda, Hiroshi: *See*—

Hirayama, Shigemitsu; Akashi, Takamichi; Ikuta, Akio; Sasaki, Isao; and Fukuda, Hiroshi, 4,872,974, Cl. 210-90.000.

Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,086, Cl. 353-79.000.

Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,087, Cl. 353-79.000.

Fukuda, Hiroya; Yaguchi, Hitoshi; Yokoyama, Kazuhumi; Tabata, Keiichiro; and Ohashi, Takashi, to Bridgestone Corporation. Method of manufacturing molded products and laminated structure including the molded products manufactured according to the method. 4,830,916, 5-16-89, Cl. 428-138.000.

Fukuda, Hiroya: *See*—

Sawa, Eiji; Moriya, Susumu; Fukuda, Hiroya; and Ohashi, Takashi, 4,842,926, Cl. 428-224.000.

Fukuda, Hiroyuki; Shigeta, Masatomo; Ohuchi, Kiyomi; Kaji, Hisatsugu; Saitoh, Kuniyuki; and Funabashi, Masayuki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Carbonaceous composite product produced by joining carbonaceous materials together by tetrafluoroethylene resin, and process for producing the same. 4,818,640, 4-4-89, Cl. 429-38.000.

Fukuda, Hiroyuki, to Olympus Optical Co., Ltd. Bending device for a endoscope. 4,841,950, 6-27-89, Cl. 128-4.000.

Fukuda, Hiroyuki; Shigeta, Masatomo; Kaji, Hisatsugu; and Sait Kuniyuki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process fo preparing a carbonaceous fuel cell electrode substrate incorporating three-layer separator. 4,855,092, 8-8-89, Cl. 264-29.500.

Fukuda, Hisashi, to Oki Electric Industry Co., Ltd. Method and devic for cleaning substrates. 4,871,416, 10-3-89, Cl. 156-635.000.

Fukuda, Ichio: *See*—

Hamamura, Fumio; and Fukuda, Ichio, 4,844,758, Cl. 156-64.0

Hamamura, Fumio; Sawada, Noriyasu; and Fukuda, Ichi 4,848,692, Cl. 242-68.300.

Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhar and Sawada, Noriyasu, 4,844,772, Cl. 156-497.000.

Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhar and Sawada, Noriyasu, 4,885,048, Cl. 156-552.000.

Sumi, Sigeo; Hamamura, Fumio; and Fukuda, Ichio, 4,888,081, C 156-521.000.

Fukuda, Ichiroh: *See*—

Hayashi, Yukichi; Furuya, Yonezo; Fukuda, Ichiroh; Akagawa Masaki; and Kobayashi, Osamu, 4,850,469, Cl. 194-318.000.

Fukuda, Ikuo: *See*—

Kamasaki, Keiji; Dengo, Tadao; Fukuda, Ikuo; and Motojima Hideaki, 4,796,084, Cl. 357-84.000.

Fukuda, Junichi: *See*—

Morota, Makie; and Fukuda, Junichi, 4,873,452, Cl. 307-10.100.

Fukuda, Junzo: *See*—

Nishigaki, Susumu; Fukuda, Junzo; Yano, Shinsuke; and Kawad Hiroshi, 4,795,670, Cl. 428-209.000.

Fukuda, Kazuhide; Okuma, Atsushi; and Ota, Miwako, to Three Bon Co., Ltd. Primer for L-cyanoacrylate-base resin composition 4,814,427, 3-21-89, Cl. 528-230.000.

Fukuda, Kazumasa: *See*—

Ezaki, Joichiro; and Fukuda, Kazumasa, 4,803,577, Cl. 360-102.00

Fukuda, Kazuyuki: *See*—

Kumazawa, Tetsuo; Shimaoka, Makoto; Fukuda, Kazuyuki; an Adachi, Eiichi, 4,880,290, Cl. 350-96.200.

Fukuda, Keishi, to Shimizu Kagaku Kabushiki Kaisha. Dietary fibres o seaweed having ion-exchange ability. 4,804,536, 2-14-89, C 424-195.100.

Fukuda, Ken-ichi: *See*—

Harada, Tsuneo; Fukuda, Ken-ichi; Shimizu, Hiroshi; Tokuda Akira; and Oyama, Kiyotaka, 4,830,720, Cl. 204-131.000.

Fukuda, Kenichi; Mori, Takashi; Kurauchi, Yasuhiro; Doi, Masahar and Suematsu, Tetsuya, to Toyo Soda Manufacturing Co., Lt Method for producing a metal salt by electrolysis. 4,877,49 10-31-89, Cl. 204-86.000.

Fukuda, Kenji: *See*—

Tanaka, Yutaka; and Fukuda, Kenji, 4,881,857, Cl. 409-138.00

Fukuda, Kiyoshi: *See*—

Yamaguchi, Yoshihiro; Watanabe, Kiminori; Nakagawa, Aki Furukama, Kazuyoshi; Fukuda, Kiyoshi; and Tanzawa, Ke sujiro, 4,878,957, Cl. 148-33.300.

Fukuda, Kousaku: *See*—

Murakami, Hirohiko; Ogawa, Toru; and Fukuda, Kousak 4,885,147, Cl. 423-261.000.

Fukuda, Kozo: *See*—

Ichii, Masaru; Tani, Shigeru; and Fukuda, Kozo, 4,849,457, C 521-62.000.

Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroak Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka Kiyotaka, 4,886,558, Cl. 148-146.000.

Fukuda, Kumio: *See*—

Shimoma, Taketoshi; and Fukuda, Kumio, 4,820,958, C 315-368.000.

Shimoma, Taketoshi; and Fukuda, Kumio, 4,845,401, C 313-413.000.

Fukuda, Kyohei, to Hitachi, Ltd. Projection system with a cathode ra tube and a lens. 4,810,075, 3-7-89, Cl. 350-432.000.

Fukuda, Kyohei; Yoshikawa, Hiroki; Mori, Shigeru; Hirata, Koji; an Sakurai, Soichi, to Hitachi, Ltd. Lens system for a cathode ray tube projection system. 4,824,224, 4-25-89, Cl. 350-432.000.

Fukuda, Kyohei; Sakurai, Soichi; Hirata, Koji; and Mori, Shigeru, t Hitachi, Ltd. Lens system for projection television receivers 4,884,879, 12-5-89, Cl. 350-432.000.

Fukuda, Kyohei: *See*—

Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahir Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhe Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsu chihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.

Fukuda, Masahiko: *See*—

Shigematsu, Masayuki; and Fukuda, Masahiko, 4,848,872, C 350-96.290.

Fukuda, Masao, to Kabushiki Kaisha Komatsu Seisakusho. Automati speed stage changing apparatus for a wheel loader. 4,800,660, 1-31-8 Cl. 37-118.00A.

Fukuda, Masao; and Fujiwara, Tsutae, to General Electric Company. Electrically conductive material for molding. 4,816,184, 3-28-89, C 252-511.000.

Fukuda, Masao: *See*—

Ichinose, Kiyohiro; Toyama, Niichi; Yamamoto, Tohru; Kikuch Eiji; and Fukuda, Masao, 4,830,882, Cl. 427-421.000.

Mikami, Yoshiharu; Kubo, Michihiro; and Fukuda, Masa 4,844,191, Cl. 177-25.180.

Fukuda, Masuo, to Sankei Giken Kogyo Kabushiki Kaisha. Multi-layer tube of a muffler for an internal combustion engine. 4,851,298, 7-25-89, Cl. 428-586.000.

Fukuda, Minoru: *See*—

Kashima, Toshihiro; and Fukuda, Minoru, 4,873,131, Cl. 428-64.000.

Tomita, Kenichi; Suetsugu, Masaru; Fukuda, Minoru; Higashi, Takao; and Koizumi, Norimichi, 4,829,187, Cl. 250-474.100.

Fukuda, Morio; Hanada, Masayuki; Inutsuka, Hideo; and Ogata, Katsuya, to Catalysts & Chemicals Industries Co., Ltd.; and Iwao Jiki Kogyo Co., Ltd. Die for molding honeycomb structures. 4,802,840, 2-7-89, Cl. 425-464.000.

Fukuda, Morio: *See*—

Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.

Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.

Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Mori, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Fukuda, Motohiko, to Sony Corporation. Surveillance video tape recorder. 4,829,389, 5-9-89, Cl. 360-73.060.

Fukuda, Naoya: *See*—

Takeya, Fuminori; Fukuda, Naoya; and Suzuki, Miki, 4,875,970, Cl. 156-645.000.

Fukuda, Nobutoshi; Tanabe, Masashi; Furuta, Yoshiki; Nagao, Tatsuro; Arifuku, Naoto; and Yamamisaka, Shinichi, to Pioneer Electronic Corporation. Signal level display device for recording/reproducing apparatus. 4,839,584, 6-13-89, Cl. 324-103.00P.

Fukuda, Nobutoshi; Nagao, Tatsuro; Arifuku, Naoto; Tanabe, Masashi; Yamamisaka, Shinichi; and Furuta, Yoshiki, to Pioneer Electronic Corporation. Signal reproducing device. 4,860,129, 8-22-89, Cl. 360-61.000.

Fukuda, Osamu: *See*—

Yamauchi, Ryozo; Miyamoto, Matsuhiro; Oohashi, Tatsuyuki; and Fukuda, Osamu, 4,834,786, Cl. 65-3.120.

Fukuda, Robert C. Gasdynamic phase-conjugated mirror. 4,869,578, 9-26-89, Cl. 350-354.000.

Fukuda, Sanemi: *See*—

Ozu, Tokio; Itagaki, Takasi; and Fukuda, Sanemi, 4,831,489, Cl. 361-338.000.

Fukuda, Satoshi: *See*—

Kobayashi, Kazuo; Togashi, Mitsuo; and Fukuda, Satoshi, 4,812,667, Cl. 250-578.000.

Fukuda, Seiji; Kaneko Shozou; Fujikawa, Takuji; Oda, Hiroshi; Gengo, Tadashi; and Fukui, Kazushi, to Mitsubishi Jukogyo Kabushiki Kaisha. Supercritical pressure once-through boiler. 4,862,692, 9-5-89, Cl. 60-670.000.

Fukuda, Seiji: *See*—

Sasaki, Katsuhiro; and Fukuda, Seiji, 4,876,686, Cl. 371-49.100.

Fukuda, Shigeo: *See*—

Saito, Hisashi; Ohnaka, Shinji; and Fukuda, Shigeo, 4,843,173, Cl. 562-531.000.

Fukuda, Sunao: *See*—

Susa, Sumio; Nagara, Toshio; Fukuda, Sunao; Kato, Seiichi; and Muto, Satomi, 4,809,773, Cl. 165-104.320.

Fukuda, Susumu: *See*—

Ariyoshi, Hisashi; Kasanami, Toru; and Fukuda, Susumu, 4,845,044, Cl. 437-24.000.

Fukuda, Tadaji; Hirai, Yutaka; Nakagawa, Katsumi; and Komatsu, Toshiyuki, to Canon Kabushiki Kaisha. Image forming member for electrophotography. 4,818,656, 4-4-89, Cl. 430-65.000.

Fukuda, Tadaji: *See*—

Kamata, Naoko; and Fukuda, Tadaji, 4,814,248, Cl. 430-69.000.

Komatsu, Toshiyuki; Hirai, Yutaka; Nakagawa, Katsumi; and Fukuda, Tadaji, 4,830,946, Cl. 430-128.000.

Matsumoto, Yasuyuki; Murai, Keiichi; Fukuda, Tadaji; and Ogawa, Kyosuke, 4,876,185, Cl. 430-580.000.

Fukuda, Tadanori; Sakamoto, Sadayuki; and Saito, Masami, to Toray Industries, Inc. Highly-refractive plastic lens. 4,812,032, 3-14-89, Cl. 351-159.000.

Fukuda, Takashi; Saito, Kiyoshi; Suzuki, Satoru; Sato, Hideki; and Hirota, Toshio, to Mobil Oil Corporation. Processing for producing hydrocarbon oils from plastic waste. 4,851,601, 7-25-89, Cl. 585-241.000.

Fukuda, Takeshi; Yamazaki, Shunpei; and Sugawara, Akira, to Semiconductor Energy Laboratory Co., Ltd. Patterning method by laser scribing. 4,877,481, 10-31-89, Cl. 156-643.000.

Fukuda, Takeshi: *See*—

Itoh, Kunio; Imai, Kiyoshi; and Fukuda, Takeshi, 4,826,905, Cl. 524-366.000.

Fukuda, Takitaro: *See*—

Kobayashi, Kazuyoshi; Koyama, Teruo; and Fukuda, Takitaro, 4,794,809, Cl. 74-422.000.

Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, to Hitachi, Ltd.; and Service Engineering Co. Ltd. Plasma operation apparatus. 4,876,983, 10-31-89, Cl. 118-722.000.

Fukuda, Tatemi; Tsuboi, Masayoshi; Anahara, Meiji; and Yasui, Yoshiharu, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. System for transferring full and empty bobbins from and to a textile machine such as a ring spinning frame. 4,813,222, 3-21-89, Cl. 57-274.000.

Fukuda, Tatemi; Kawasaki, Yoshio; Wakai, Masao; Negishi, Kenji; Ono, Isao; and Arita, Isao, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho; and Kanpatsu Kogyo Kabushiki Kaisha. Swingingly movable clearer mechanism suspended from a draft roller. 4,819,302, 4-11-89, Cl. 19-262.000.

Fukuda, Tatsuhisa: *See*—

Koyabu, Seiji; and Fukuda, Tatsuhisa, 4,884,253, Cl. 368-10.000.

Fukuda, Tetsuo: *See*—

Iida, Toshikatsu; Fujiwara, Takayoshi; and Fukuda, Tetsuo, 4,875,842, Cl. 418-220.000.

Fukuda, Tetuo: *See*—

Fujiwara, Takayoshi; Iida, Toshikatsu; and Fukuda, Tetuo, 4,802,827, Cl. 417-356.000.

Fukuda, Tokuya, to Sony Corporation. C-type comb filter with negative feedback. 4,807,049, 2-21-89, Cl. 358-328.000.

Fukuda, Tokuya; and Aoki, Takamitsu, to Sony Corporation. Magnetic recording and reproducing apparatus compensating for the deviation of H alignment during a variable speed reproduction. 4,851,930, 7-25-89, Cl. 360-10.100.

Fukuda, Tomiichi. Golf cart system with embedded rail having inclined surfaces. 4,823,705, 4-25-89, Cl. 104-140.000.

Fukuda, Toshio; Yoneda, Kenji; Ueshima, Takaaki; and Sasaki, Osamu, to Hitachi Ltd. Information device of elevator. 4,852,696, 8-1-89, Cl. 187-139.000.

Fukuda, Tsuguhiro; Sato, Hiroshi; and Nakajima, Kazuhiro, to Canon Kabushiki Kaisha. Correction sheet and correction method. 4,883,379, 11-28-89, Cl. 400-697.100.

Fukuda, Tsuyoshi; Suzuki, Masayuki; and Kiuchi, Masayoshi, to Canon Kabushiki Kaisha. Mirror device for a camera. 4,843,420, 6-27-89, Cl. 354-479.000.

Fukuda, Tsuyoshi: *See*—

Toyoda, Yasuhiro; and Fukuda, Tsuyoshi, 4,829,329, Cl. 354-252.000.

Toyoda, Yasuhiro; and Fukuda, Tsuyoshi, 4,847,649, Cl. 354-252.000.

Fukuda, Yasuhiro, to Oki Electric Industry Co., Ltd. Method of and apparatus for testing semiconductor device for electrostatic discharge damage. 4,823,088, 4-18-89, Cl. 324-456.000.

Fukuda, Yoshiaki; Miyasaka, Takeshi; Matsumoto, Iori; Kato, Nobukatsu; and Ema, Kenji, to Mitsui Toatsu Chemicals, Incorporated. Method for shaping thermosetting resins. 4,797,242, 1-10-89, Cl. 264-108.000.

Fukuda, Yoshiaki: *See*—

Nakanishi, Toshihiro; Fukuda, Yoshiaki; Miura, Kenju; and Nakazato, Hiroshi, 4,820,641, Cl. 435-240.270.

Fukuda, Yoshihide: *See*—

Sakurai, Yoshihiro; Fukuda, Yoshihide; and Abe, Kouji, 4,881,370, Cl. 60-310.000.

Fukuda, Yoshinobu: *See*—

Sawaya, Hajime; Fukuda, Yoshinobu; and Sato, Hiroyuki, 4,802,167, Cl. 371-25.000.

Fukuda, Yoshio: *See*—

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,811,118, Cl. 358-311.000.

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,873,580, Cl. 358-335.000.

Fukuda, Yujiro; Utsumi, Shigeo; Tomitaka, Kichinojyo; and Takisawa, Toshifumi, to Diafoil Company, Limited. Polyester film for magnetic recording media. 4,865,898, 9-12-89, Cl. 428-141.000.

Fukuda, Yujiro: *See*—

Utsumi, Shigeo; and Fukuda, Yujiro, 4,814,426, Cl. 528-272.000.

Fukuda, Yukihiro: *See*—

Nishikawa, Masao; Aoki, Takashi; Sato, Yoichi; and Fukuda, Yukihiro, 4,856,382, Cl. 74-867.000.

Fukuda, Yutaro: *See*—

Sugimori, Teruhiko; Tajiri, Noriyuki; Suzuki, Fumio; Habara, Hideaki; Fukuda, Yutaro; and Sato, Haruki, 4,880,877, Cl. 525-84.000.

Fukudome, Hiroshi: *See*—

Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, 4,826,902, Cl. 524-168.000.

Fukudome, Katsuyuki: *See*—

Mori, Ryuichiro; Fukudome, Katsuyuki; and Banjo, Toshinobu, 4,857,989, Cl. 357-80.000.

Mori, Ryuichiro; Akiyama, Tatsuhiko; and Fukudome, Katsuyuki, 4,884,124, Cl. 357-72.000.

Fukuhara, Akihiko: *See*—

Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.

Fukuhara, Hiroshi, to Fukuhara Seisaku Co., Ltd. System for removing contaminants from an oil tank in a hydraulic device. 4,861,467, 8-29-89, Cl. 210-168.000.

Fukuhara, Hiroshi: *See*—

de Louvencourt, Laurence; Fukuhara, Hiroshi; Heslot, Henri; and Wesolowski, Micheline, 4,806,472, Cl. 435-68.000.

Fukuhara, Hiroshige: *See*—

Takai, Hideo; and Fukuhara, Hiroshige, 4,804,964, Cl. 342-389.000.

Fukuhara, Kazuyoshi: *See*—

Fujita, Shigeyoshi; Sasaki, Tomoyuki; Fukuhara, Kazuyoshi; and Nishikawa, Hiroshi, 4,823,704, Cl. 104-247.000.

Fukuhara, Keiji, to Mazda Motor Corporation. Extrusion molding equipment for multi-layer parison. 4,867,664, 9-19-89, Cl. 425-132.000.

Fukuhara, Kunihiro: *See*—
  Kaneko, Yoshio; Fukuhara, Kunihiro; and Watanabe, Koji, 4,821,381, Cl. 24-297.000.
Fukuhara, Masanori: *See*—
  Kawasaki, Kikuo; Yamamoto, Hitoshi; Fukuhara, Masanori; and Asanuma, Kenji, 4,814,754, Cl. 340-706.000.
Fukuhara, Sanshirou: *See*—
  Nakashima, Hiroshi; Kawarada, Masayuki; and Fukuhara, Sanshirou, 4,836,429, Cl. 226-7.000.
Fukuhara, Satoru; Shinada, Hiroyuki; and Todokoro, Hideo, to Hitachi, Ltd. Charged particle detector. 4,868,394, 9-19-89, Cl. 250-397.000.
Fukuhara, Satoru: *See*—
  Shinada, Hiroyuki; Todokoro, Hideo; and Fukuhara, Satoru, 4,803,430, Cl. 324-250.000.
  Takada, Keiji; Okumura, Masahide; Fukuhara, Satoru; Morimura, Toshiyuki; Hosaka, Sumio; and Hosoki, Shigeyuki, 4,841,191, Cl. 310-317.000.
Fukuhara, Seiichi; and Fukushima, Eiji, to Sanden Corporation. Scroll member for scroll type fluid displacement apparatus. 4,824,345, 4-25-89, Cl. 418-55.000.
Fukuhara Seisaku Co., Ltd.: *See*—
  Fukuhara, Hiroshi, 4,861,467, Cl. 210-168.000.
Fukuhara, Toru: *See*—
  Takagi, Tadao; and Fukuhara, Toru, 4,809,030, Cl. 354-414.000.
Fukuhara, Yoshio: *See*—
  Kujirai, Masaji; and Fukuhara, Yoshio, 4,800,581, Cl. 378-143.000.
Fukuhara, Yu: *See*—
  Masuda, Tsugunori; Kuranari, Shinsaku; and Fukuhara, Yu, 4,846,190, Cl. 228-47.000.
Fukuhara, Yuichi; and Ikeda, Tetsuo, to Aisin Seiki Kabushiki Kaisha. Synchronizing apparatus for a power transmission. 4,852,709, 8-1-89, Cl. 192-53.00F.
Fukuhisa, Norio. Position detector with radio transmitter and receiver. 4,864,294, 9-5-89, Cl. 340-870.010.
Fukuhori, Toshiaki: *See*—
  Oshima, Noboru; Chikatsu, Yoshishige; Fukuhori, Toshiaki; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,812,525, Cl. 525-232.000.
Fukui, Akio: *See*—
  Kita, Yuichi; Nakagawa, Koichi; Sakamoto, Kentaro; Fukui, Akio; Baba, Masao; and Nakagawa, Yoichi, 4,851,547, Cl. 548-548.000.
Fukui, Akira: *See*—
  Furukawa, Yasuo; Yamazaki, Katsuyuki; Hosaka, Takemi; and Fukui, Akira, 4,797,931, Cl. 351-56.000.
  Shibagaki, Kouichi; and Fukui, Akira, 4,873,723, Cl. 381-34.000.
Fukui, Hiroaki: *See*—
  Miwa, Kishio; Shimizu, Kazuharu; and Fukui, Hiroaki, 4,851,304, Cl. 429-40.000.
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, to Shiseido Company Ltd. Cosmetic compositions containing modified powder or particulate material. 4,801,445, 1-31-89, Cl. 424-69.000.
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, to Shiseido Company Ltd. Modified powder. 4,818,614, 4-4-89, Cl. 428-403.000.
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, to Shiseido Company Ltd. Modified powder or particulate material. 4,882,225, 11-21-89, Cl. 428-405.000.
Fukui, Hiroshi: *See*—
  Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.
Fukui, Hisao: *See*—
  Saito, Yoshifusa; Nakayama, Hiroshi; Fukui, Hisao; and Matsuoka, Naoya, 4,821,805, Cl. 169-5.000.
Fukui, Jun: *See*—
  Nagashima, Ikuo; Fukui, Jun; Gotoh, Hiroshi; Kaneko, Hiroko; Nozaki, Ken; and Ozawa, Takeo, 4,814,241, Cl. 429-199.000.
Fukui, Kazushi: *See*—
  Fukuda, Seiji; Kaneko Shozou; Fujikawa, Takuji; Oda, Hiroshi; Gengo, Tadashi; and Fukui, Kazushi, 4,862,692, Cl. 60-670.000.
Fukui, Kazuyuki; and Yokoyama, Chujiro, to Minolta Camera Kabushiki Kaisha. Automatic paper feeding apparatus. 4,852,868, 8-1-89, Cl. 271-122.000.
Fukui, Kazuyuki: *See*—
  Hanada, Yoshihiro; Nakamura, Yasuo; and Fukui, Kazuyuki, 4,867,436, Cl. 271-221.000.
  Yokoyama, Chujiro; Fukui, Kazuyuki; and Iwatsuki, Haruki, 4,801,134, Cl. 271-122.000.
Fukui, Kenji: *See*—
  Akamatsu, Takahiro; Nakazato, Hiroshi; Matsumura, Takashi; and Fukui, Kenji, 4,853,880, Cl. 364-559.000.
  Nakazato, Hiroshi; Matsumura, Takashi; Akamatsu, Takahiro; and Fukui, Kenji, 4,887,904, Cl. 356-375.000.
Fukui, Kiichiro, to Polyplastics Co., Ltd. Method of producing characters, symbols, patterns on thermoplastic resin molded article by reserve dyeing. 4,820,310, 4-11-89, Cl. 8-456.000.
Fukui, Kiyoshi, to New Cosmos Electric Co., Ltd. Alcohol selective gas sensor. 4,849,180, 7-18-89, Cl. 422-98.000.
Fukui, Kiyoshi: *See*—
  Masuda, Toshiaki; Omiya, Hitoshi; and Fukui, Kiyoshi, 4,811,2 Cl. 53-425.000.
Fukui, Kiyotake: *See*—
  Usui, Akira; Sakashita, Seiji; Fukui, Kiyotake; and Nagai, Hiroyuki, 4,806,876, Cl. 330-279.000.
Fukui, Kumiko; Doumura, Tatsuaki; and Okamoto, Shigeo, to Sanyo Electric Co., Ltd. Record mode setting apparatus responsive to transmitted code containing time-start information. 4,879,61 11-7-89, Cl. 360-69.000.
Fukui, Kunihiro: *See*—
  Kawashima, Hisakazu; Morita, Yoshiyasu; Nishihara, Minoru; Arai, Tetsuzo; and Fukui, Kunihiro, 4,871,194, Cl. 285-55.000.
Fukui, Kunisuke: *See*—
  Kohyama, Masaki; Muranaka, Takeshi; Fukui, Kunisuke; and Kashiwa, Norio, 4,801,672, Cl. 526-348.200.
Fukui, Mariko: *See*—
  Fujikawa, Yoshihiro; Wakamatsu, Masazumi; Fukui, Mariko; and Miyasaka, Tadashi, 4,841,068, Cl. 48-365.000.
Fukui, Masahiro, to Matsushita Electric Industrial Co., Ltd. Building block LSI. 4,875,139, 10-17-89, Cl. 361-410.000.
Fukui, Masayuki: *See*—
  Matsumoto, Shinichi; Miyoshi, Naoto; Muraki, Hideaki; Sobukawa, Hideo; Fukui, Masayuki; Kimura, Mareo; and Shinjoh, Hirofumi, 4,843,056, Cl. 502-302.000.
Fukui, Noboru: *See*—
  Tamba, Shinichi; and Fukui, Noboru, 4,801,343, Cl. 156-69.000.
Fukui, Norio: *See*—
  Yokoi, Tsutomu; Tani, Hiroji; Kasanami, Tohru; Fukui, Norio; and Yamamoto, Keizou, 4,839,960, Cl. 29-620.000.
Fukui, Ryota: *See*—
  Takayama, Kazuo; Yabe, Eiji; Takagi, Kenichi; Fukui, Ryota; and Kikuchi, Riichi, 4,841,197, Cl. 315-111.810.
Fukui, Seiji: *See*—
  Kobayashi, Tatuhiro; Ebata, Yasuhiko; Matsumi, Hideki; Fukui, Seiji; and Ukai, Koichi, 4,813,345, Cl. 98-94.200.
Fukui, Shigeo: *See*—
  Ogawa, Soichi; Okamoto, Akio; Fukui, Shigeo; and Ueno, Tsutomu, 4,869,835, Cl. 250-423.00R.
Fukui, Shigetoshi: *See*—
  Kawai, Hironao; Fukui, Shigetoshi; and Ikeda, Kenji, 4,860,676, Cl. 112-121.140.
Fukui, Shosin; Shijo, Masayoshi; and Aoyama, Hirokazu, to Daikin Kogyo Co., Ltd. Fluorine containing urethane compounds. 4,835,300, 5-30-89, Cl. 560-25.000.
Fukui, Shosin; Shinjo, Masayoshi; and Aoyama, Hirokazu, to Daikin Kogyo Co., Ltd. Mold release composition. 4,840,675, 6-20-89, Cl. 106-38.220.
Fukui, Shunjiro: *See*—
  Fujii, Toshihiro; and Fukui, Shunjiro, 4,845,595, Cl. 363-30.000.
Fukui, Terunobu: *See*—
  Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Epshira, Noritaka; Iwata, Tamami; and Satake, Naoto, 4,837,2 Cl. 503-227.000.
Fukui, Tomonori: *See*—
  Yamada, Motokazu; Hayakawa, Hideyuki; Fukui, Tomonori; Masuhashi, Hajime; Kaneko, Yasuhiro; Ikeda, Motozo; and Nagata, Tomihiko, 4,812,845, Cl. 340-995.000.
Fukui, Toshimasa: *See*—
  Isono, Osamu; Fukui, Toshimasa; Nishino, Tetsuo; Tachibana, Tetsuo; and Iwabuchi, Eisuke, 4,837,761, Cl. 370-60.000.
Fukui, Toshio; Amano, Hiroyoshi; Origuchi, Takayuki; and Suematsu, Katsuaki, to Mitsubishi Jukogyo Kabushiki Kaisha. Frame with a horizontal swing portion in a paper making machine press section. 4,826,572, 5-2-89, Cl. 162-272.000.
Fukui, Tsuyoshi: *See*—
  Aoki, Kazumi; Kikuchi, Yukio; and Fukui, Tsuyoshi, 4,815,302, Cl. 62-378.000.
Fukui, Yasuhiro; and Miyashita, Osamu. Oscillating vessel pump. 4,869,650, 9-26-89, Cl. 417-241.000.
Fukui, Yo: *See*—
  Noguchi, Naoki; and Fukui, Yo, 4,863,691, Cl. 422-54.000.
Fukui, Yojiro: *See*—
  Nagashima, Yoshimitsu; Fukui, Yojiro; and Takahashi, Yoshimi, 4,830,525, Cl. 400-472.000.
Fukui, Yoshiharu; Kuroda, Kazuhisa; Ishii, Tamaki; and Sasaki, Masa to Sumitomo Chemical Company, Limited. Stabilized polyolefin composition. 4,839,408, 6-13-89, Cl. 524-100.000.
Fukui, Yoshiharu, to Sumitomo Chemical Co., Ltd. Process for producing pre-expanded particles of polyolefin resins. 4,855,327, 8-8-89, Cl. 521-58.000.
Fukui, Yoshio: *See*—
  Iwasaki, Tetsuji; and Fukui, Yoshio, 4,840,942, Cl. 514-120.000.
Fukui, Yukio: *See*—
  Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takashi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.
  Oku, Masuo; Kudo, Yoshimichi; Saito, Isao; and Fukui, Yukio, 4,805,040, Cl. 358-336.000.

Fukui, Yuko: *See*—
  Koga, Kunimasa; Fujikawa, Shigeaki; and Fukui, Yuko, 4,878,921, Cl. 8-646.000.
Fukui, Yutaka: *See*—
  Sasa, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.
Fukuichi, Miwa, to Kabushiki Kaisha Sanko Vinyl Kogyosho. Core structure and method of its manufacture. 4,823,417, 4-25-89, Cl. 5-455.000.
Fukuju, Yujio; and Niiro, Makoto, to Sony Corporation. Method and apparatus for reproducing digital or analog signals. 4,853,798, 8-1-89, Cl. 360-38.100.
Fukukawa, Kiyofumi; Hirano, Takao; Tsujino, Masatoshi; and Ueda, Tooru, to Toyo Jozo Kabushiki Kaisha. 2'-(R)-substituted-2'-deoxyneplanocin A derivatives. 4,816,575, 3-28-89, Cl. 544-277.000.
Fukukawa, Kiyofumi: *See*—
  Shuto, Satoshi; Ito, Hiromichi; Fukukawa, Kiyofumi; Sakakibara, Hideo; and Tsujino, Masatoshi, 4,797,479, Cl. 536-27.000.
Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, to Kajima Corporation; and Kasima Road Company. System for paving inclined and/or curved surfaces. 4,854,769, 8-8-89, Cl. 404-72.000.
Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, to Kajima Corporation; and Kajima Road Company. System for paving inclined and/or curved surfaces. 4,861,189, 8-29-89, Cl. 404-84.000.
Fukukawa, Mitsuo: *See*—
  Takizawa, Seiichiro; Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,852,278, Cl. 37-197.000.
  Yazawa, Masayuki; Fukukawa, Mitsuo; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,801,219, Cl. 404-125.000.
Fukukawa, Noboru: *See*—
  Sasaki, Hiroaki; Hasegawa, Kazuo; Fukukawa, Noboru; and Yata, Masanori, 4,797,769, Cl. 360-99.080.
Fukukita, Hiroshi; Ueno, Shinichiro; Tone, Masayuki; and Yano, Tsutomu, to Matsushita Electric Industrial Co., Ltd. Ultrasonic temperature measurement apparatus. 4,817,615, 4-4-89, Cl. 128-660.020.
Fukukita, Hiroshi; Ueno, Shinichiro; Yano, Tsutomu; and Furuya, Nobuaki, to Matsushita Electric Industrial Co., Ltd. Ultrasonic examination apparatus. 4,844,082, 7-4-89, Cl. 128-660.060.
Fukuma, Hiroyuki; and Sato, Masashi, to Fujitsu Limited. Semiconductor memory device. 4,799,089, 1-17-89, Cl. 357-45.000.
Fukuma, Masumi; and Akasaka, Nobuhiro, to Sumitomo Electric Industries, Ltd. Optical fiber cable preventing water from spreading toward cable interior. 4,802,732, 2-7-89, Cl. 350-96.230.
Fukuma, Nobuo: *See*—
  Kawai, Kenichi; Fukuma, Nobuo; Matsui, Akira; Futamura, Kenichiro; Asada, Eizi; and Fukuoka, Tatsuhiko, 4,869,871, Cl. 420-559.000.
Fukuma, Shuji: *See*—
  Kusuda, Masataka; Fukuma, Shuji; and Nishiyama, Masaki, 4,857,192, Cl. 210-321.840.
Fukuma, Yasufumi; Oana, Yoshinori; and Arai, Akihiro, to Tokyo Kogaku Kikai Kabushiki Kaisha. Opthalmological measuring apparatus. 4,796,989, 1-10-89, Cl. 351-212.000.
Fukuma, Yasufumi; Oana, Yoshinori; and Arai, Akihiro, to Tokyo Kogaku Kikai Kabushiki Kaisha. Corneal configuration measuring apparatus. 4,810,085, 3-7-89, Cl. 351-212.000.
Fukuma, Yasufumi; and Arai, Akihiro, to Tokyo Kogaku Kikai Kabushiki Kaisha. Autolensmeter. 4,828,385, 5-9-89, Cl. 356-125.000.
Fukuma, Yasufumi; Kitao, Ikuo; and Kato, Yasuo, to Tokyo Kogaku Kikai Kabushiki Kaisha. Eye testing apparatus. 4,859,051, 8-22-89, Cl. 351-211.000.
Fukuma, Yasumichi, to Omron Tateisi Electronics Co. Sealed push-button switch and method of assembly. 4,877,930, 10-31-89, Cl. 200-302.200.
Fukumochi, Yoji; Tokunaga, Shinji; Suzuki, Hitoshi; Kugimiya, Syuzo; Shiotani, Shinobu; and Sata, Ichiko, to Sharp Kabushiki Kaisha. Machine translation system. 4,833,611, 5-23-89, Cl. 364-419.000.
Fukumochi, Yoji: *See*—
  Kugimiya, Syuzo; Tokunaga, Shinji; Suzuki, Hitoshi; Fukumochi, Yoji; Shiotani, Shinobu; and Sata, Ichiko, 4,860,206, Cl. 364-419.000.
  Shiotani, Shinobu; Fukumochi, Yoji; Tokunaga, Shinji; Kugimiya, Syuzo; Sata, Ichiko; and Suzuki, Hitoshi, 4,814,988, Cl. 364-419.000.
Fukumori, Kenzo: *See*—
  Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-115.000.
Fukumori, Kunihiko; and Kikuta, Hiroshi, to Asahi Kasei Kogyo Kabushiki Kaisha. Fabric form consisting of multilayer fabric and composite structure made by using fabric form. 4,853,269, 8-1-89, Cl. 428-43.000.
Fukumoto, Fumio: *See*—
  Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,965, Cl. 355-45.000.
  Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,966, Cl. 355-45.000.
Fukumoto, Heijiro: *See*—
  Akagawa, Minoru; Naoi, Satoshi; and Fukumoto, Heijiro, 4,880,518, Cl. 204-298.000.
Fukumoto, Hiroshi; Namura, Koji; Naruki, Kenichi; and Une, Ryuzo, to Mitsubishi Denki Kabushiki Kaisha. Thermal transcription printer. 4,878,772, 11-7-89, Cl. 400-120.000.
Fukumoto, Hiroshi: *See*—
  Kan, Fumitaka; Arahara, Kohzoh; Tohyama, Noboru; Yuasa, Toshiya; and Fukumoto, Hiroshi, 4,838,940, Cl. 106-22.000.
  Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko, 4,881,084, Cl. 346-1.100.
  Kan, Fumitaka, deceased; Koizumi, Norihiko; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; Mishina, Shinya; and Tanioka, Hiroshi, 4,855,763, Cl. 346-160.100.
  Takagi, Seiichi; and Fukumoto, Hiroshi, 4,803,142, Cl. 430-106.600.
  Tanaka, Katsuhiko; and Fukumoto, Hiroshi, 4,886,725, Cl. 430-106.600.
  Yuasa, Toshiya; Fukumoto, Hiroshi; Mouri, Akihiro; and Kaneko, Shuzo, 4,808,227, Cl. 106-31.000.
Fukumoto, Jay T.: *See*—
  Szluk, Nicholas J.; and Fukumoto, Jay T., 4,799,097, Cl. 357-42.000.
Fukumoto, Kazumi: *See*—
  Matsumura, Yasushi; Shuhara, Akira; Sasaki, Shigeo; Fukumoto, Kazumi; and Takeya, Hitoshi, 4,886,971, Cl. 250-492.200.
Fukumoto, Kikuo: *See*—
  Arai, Seizou; Fukumoto, Kikuo; Sunaga, Seizo; and Izumida, Kouji, 4,823,733, Cl. 118-630.000.
Fukumoto, Masami: *See*—
  Matsumoto, Kentaro; Takaoka, Makoto; Fukumoto, Masami; Uda, Toyokazu; and Sugiura, Susumu, 4,860,026, Cl. 346-1.100.
Fukumoto, Masatoshi; Kubo, Soichi; Miyake, Yoichi; Tsukada, Norishige; Kasutani, Kiyoshi; and Okamori, Kenji, to Sakata Inkusu Kabushikikaisha. Method and image processing system for reconstruction of an image. 4,853,794, 8-1-89, Cl. 358-447.000.
Fukumoto, Masumi: *See*—
  Fujiki, Hiroyuki; and Fukumoto, Masumi, 4,807,920, Cl. 296-37.800.
Fukumoto, Ryoichi; Shiraishi, Daichi; and Iwasaki, Eiji. Drive unit for wire-type window regulators. 4,821,589, 4-18-89, Cl. 74-89.220.
Fukumoto, Ryoichi: *See*—
  Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, 4,796,151, Cl. 361-171.000.
  Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, 4,884,207, Cl. 364-431.030.
Fukumoto, Shigeaki, to Sharp Kabushiki Kaisha. Microwave oven with a rack and a turntable. 4,818,832, 4-4-89, Cl. 219-10.55E.
Fukumoto, Shigeaki, to Sharp Kabushiki Kaisha. Microwave oven with a rack and a turntable. 4,870,237, 9-26-89, Cl. 219-10.55E.
Fukumoto, Shintaro, to Mitsubishi Denki Kabushiki Kaisha. Deflecting electromagnet apparatus with moveable pole piece. 4,804,879, 2-14-89, Cl. 313-361.100.
Fukumoto, Shoji, to Fischer & Porter Company. Self-tuning process controller. 4,814,968, 3-21-89, Cl. 364-150.000.
Fukumoto, Takaaki: *See*—
  Kawaguchi, Toshiaki; Sasaki, Tsutomu; Fukumoto, Takaaki; Funada, Yutaka; Kubota, Isao; Hama, Masaharu; and Terada, Nobuyoshi, 4,834,137, Cl. 137-557.000.
  Nagae, Akemi; Satou, Shinichi; Fukumoto, Takaaki; and Ohmori, Toshiaki, 4,820,650, Cl. 437-10.000.
  Ohmori, Toshiaki; Hama, Masaharu; and Fukumoto, Takaaki, 4,868,996, Cl. 34-13.000.
  Tada, Masuo; Akamatsu, Kazuhiko; Fukumoto, Takaaki; Ohmori, Toshiaki; and Hyono, Tadashi, 4,869,090, Cl. 72-53.000.
Fukumoto, Takashi: *See*—
  Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yoichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, 4,874,574, Cl. 376-333.000.
Fukumoto, Takefumi, to Kabushiki Kaisha Komatsu Seisakusho. Apparatus for compensating stop position of bucket. 4,864,746, 9-12-89, Cl. 37-103.000.
Fukumoto, Takeshi; and Anzai, Kiyoshi, to Isuzu Motors Limited. Synchronizer. 4,805,755, 2-21-89, Cl. 192-53.00F.
Fukumoto, Tatsuya: *See*—
  Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tatsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, 4,861,409, Cl. 156-308.200.
Fukumoto, Toshiyuki, to Nippon Pillar Packing Co., Ltd. Pneumatic pumping device. 4,836,756, 6-6-89, Cl. 417-394.000.
Fukumoto, Yasuhiko: *See*—
  Sakuma, Kazuhiro; Fukumoto, Yasuhiko; and Tomioka, Akihiro, 4,887,467, Cl. 73-517.00B.
Fukumoto, Youshuke: *See*—
  Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.
Fukumura, Kagenori: *See*—
  Hamano, Yukio; Kashihara, Yuji; Sakurai, Keita; Yasue, Hideki; and Fukumura, Kagenori, 4,838,124, Cl. 74-866.000.
  Harada, Yoshiharu; Taga, Yutaka; Fukumura, Kagenori; Hayakawa, Yoichi; and Kawai, Masao, 4,858,500, Cl. 74-866.000.
  Yasue, Hideki; and Fukumura, Kagenori, 4,800,781, Cl. 74-860.000.
  Yasue, Hideki; and Fukumura, Kagenori, 4,807,497, Cl. 74-867.000.
  Yasue, Hideki; Fukumura, Kagenori; Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,819,187, Cl. 364-431.010.
  Yasue, Hideki; and Fukumura, Kagenori, 4,819,777, Cl. 192-0.062.
  Yasue, Hideki; and Fukumura, Kagenori, 4,825,372, Cl. 364-431.010.

Fukumura, Kenichi: *See—*
Chino, Naoyoshi; Tanaka, Yasunori; Fukumura, Kenichi; and Hiraki, Yasuhito, 4,831,961, Cl. 118-410.000.
Fukumura, Sadafumi: *See—*
Misaka, Toru; and Fukumura, Sadafumi, 4,842,258, Cl. 267-140.100.
Fukumura, Takeo; Shinbori, Takeyoshi; and Ezure, Nobuya, to NHK Spring Co., Ltd. Car suspension system. 4,828,231, 5-9-89, Cl. 267-64.230.
Fukumura, Takeo: *See—*
Matsubara, Kousuke; and Fukumura, Takeo, 4,813,519, Cl. 188-299.000.
Niikura, Yoshiharu; Fukumura, Takeo; and Umetsu, Chiharu, 4,858,898, Cl. 267-218.000.
Fukumura, Yoshikazu: *See—*
Sato, Tasuku; Nakanishi, Kiyoshi; Fukumura, Yoshikazu; and Nagasawa, Keizo, 4,840,740, Cl. 252-32.70E.
Fukunaga, Akira; Arimitsu, Hidenobu; Yasuhara, Yoshiharu; and Shiota, Toshihiko, to Ebara Research Co., Ltd.; and Ebara Corporation. Gas absorber. 4,826,805, 5-2-89, Cl. 502-402.000.
Fukunaga, Akira; and Mori, Yoichi, to Ebara Corporation; and Ebara Research Co., Ltd. Method of treating waste gas. 4,861,578, 8-29-89, Cl. 423-240.000.
Fukunaga, Kenichi: *See—*
Taguchi, Fumiaki; Mitsui, Isamu; Hara, Kinichi; Hayashi, Masaro; Ezawa, Kunio; Fukunaga, Kenichi; and Kuranari, Jun, 4,882,423, Cl. 530-380.000.
Fukunaga, Kenji: *See—*
Kochi, Hiromi; Fukunaga, Kenji; Itagaki, Takaharu; and Ito, Tsuyoshi, 4,857,576, Cl. 524-409.000.
Fukunaga, Koji, to Canon Kabushiki Kaisha. Word processor permitting modification or addition of data in response to particular indentation of data. 4,862,410, 8-29-89, Cl. 364-900.000.
Fukunaga, Osamu: *See—*
Mishima, Osamu; Yamaoka, Shinobu; Fukunaga, Osamu; Tanaka, Junzo; and Era, Koh, 4,875,967, Cl. 156-605.000.
Fukunaga, Shinichi: *See—*
Uchida, Yoshihiko; Kuroda, Kotaro; Kusano, Akihiko; and Fukunaga, Shinichi, 4,839,317, Cl. 501-108.000.
Fukunaga, Tadahiro: *See—*
Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, 4,843,832, Cl. 62-159.000.
Fukunaga, Takahiro, to Sharp Kabushiki Kaisha. Hinge structure with torsion bars. 4,856,142, 8-15-89, Cl. 16-298.000.
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Fukunaga, Tokio; Kishimoto, Fukutaro; Sato, Mitsuru; Yabuuchi, Kazuyoshi; Tomita, Haruhiko; and Maeno, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Nuclear fusion apparatus. 4,795,605, 1-3-89, Cl. 376-142.000.
Fukunaga, Tsujihiko: *See—*
Justice, David D.; Helmstetter, David A.; Reed, Emily J.; and Fukunaga, Tsujihiko, 4,830,837, Cl. 423-181.000.
Fukunaga, Yasushi: *See—*
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Fukunaga, Yukio; Tsuda, Yoshiki; Fukushima, Naoto; Akatsu, Yohsuke; Hano, Sunao; and Sato, Masaharu, to Nissan Motor Company, Limited. Hydraulic pressure supply system variable of pressure supply rate depending upon driving condition of automotive vehicle. 4,848,790, 7-18-89, Cl. 280-707.000.
Fukunaga, Yukio: *See—*
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Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; Hano, Sunao; and Satoh, Masaharu, 4,865,347, Cl. 280-707.000.
Hano, Sunao; Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; and Yamanaka, Hiroshi, 4,865,348, Cl. 280-707.000.
Shibahata, Yasuji; Fukunaga, Yukio; Tsubota, Yasumasa; Uno, Takaaki; and Okuyama, Yuji, 4,878,557, Cl. 180-140.000.
Fukunaka, Toshiaki: *See—*
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Fukuo, Koichi; Shibata, Mitsuhiro; Hiro, Toshiaki; and Matsumoto, Masahiko, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulic circuit for a valve operating timing control device for an internal combustion engine. 4,858,574, 8-22-89, Cl. 123-90.340.
Fukuo, Koichi: *See—*
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Fukuoka, Hirotsugu; Kawakami, Kanji; Aihara, Makoto; Sada, Mitsuo; Takeshita, Kouji; and Isono, Yukihiro, to Hitachi, Ltd. Method for making a thin film magnetic head. 4,861,398, 8-29-89, Cl. 156-64.000.
Fukuoka, Hisahiro; Takano, Yutaka; and Kamiyama, Yoichi, to Hitachi Construction Machinery Co., Ltd.; and Shin Meiwa Industry Co., Ltd. Method and apparatus for controlling a welding robot forming a nonuniform weld satisfying predetermined criteria related to an interspace between elements being welded. 4,870,247, 9-26-89, Cl. 219-125.100.
Fukuoka, Kazuhiro; and Konishi, Haruo, to Kosaku & Co., Ltd. Method for production of tin-cobalt, tin-nickel, or tin-lead binary alloy electroplating bath and electroplating bath produced thereby. 4,828,657, 5-9-89, Cl. 204-44.400.
Fukuoka, Kohei; Takemura, Satoshi; Takesue, Yatao; and Tamura, Hisashi, to Hitachi Ltd.; and Hitachi Computer Engineering Co., Ltd. Method and apparatus for testing a multi-processor system. 4,802,164, 1-31-89, Cl. 371-16.000.
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Fukuoka, Tatsuhiko; and Suzuki, Takashi, to Taiho Kogyo Co., Ltd. Bearing having an improved corrosion-resistance. 4,878,768, 11-7-89, Cl. 384-279.000.
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Fukura, Kenichi; Hiramatsu, Eiji; and Nishimura, Akira, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Retractable headlamp mounting structure. 4,796,164, 1-3-89, Cl. 362-66.000.
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Fukushi, Yuzo; Fuda, Hitoshi; and Sasaua, Taisuke, to NEC Corporation. Teleconference system using expanders for emphasizing a desired signal with respect to undesired signals. 4,860,366, 8-22-89, Cl. 381-106.000.
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Fukushima, Hirotaka, to Kabushiki Kaisha Daikin Seisakusho. Flywheel assembly. 4,842,117, 6-27-89, Cl. 192-106.200.
Fukushima, Hirotaka, to Kabushiki Kaisha Daikin Seisakusho. Torque converter provided with vibration damper. 4,844,216, 7-4-89, Cl. 192-3.260.
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Fukushima, Hirotaka, to Kabushiki Kaisha Daikin Seisakusho. Flywheel assembly. 4,844,225, 7-4-89, Cl. 192-70.170.
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Fukushima, Hirotaka, to Kabushiki Kaisha Daikin Seisakusho. Flywheel assembly. 4,846,328, 7-11-89, Cl. 192-106.200.
Fukushima, Hirotaka, to Kabushiki Kaisha Daikin Seisakusho. Flywheel assembly. 4,856,639, 8-15-89, Cl. 192-106.200.
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Fukushima, Hitoshi; Takei, Katsumori; Iwamoto, Kohei; and Nakamura, Hiroto, to Seiko Epson Corporation. Magnetic ink and method of printing. 4,884,081, 11-28-89, Cl. 346-74.600.
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Fukushima, Masao, to Nissan Motor Co., Ltd. Brake pipe arrangement for automotive vehicle. 4,865,395, 9-12-89, Cl. 303-87.000.
Fukushima, Masato: *See—*
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Fukushima, Masaya, to NEC Corporation. Laser control circuit. 4,876,442, 10-24-89, Cl. 250-205.000.
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Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; Hano, Sunao; and Satoh, Masaharu, to Nissan Motor Company, Limited. Actively controlled suspension system with anti-roll control. 4,865,347, 9-12-89, Cl. 280-707.000.
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Fukushima, Shigeyoshi; Uno, Hidehiro; and Mimura, Shigetoshi, to Toyo Tire & Rubber Co., Ltd. Laminate structure of interior finishing material. 4,798,756, 1-17-89, Cl. 428-198.000.

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Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, to Fujitsu Limited. Frequency converter. 4,885,746, 12-5-89, Cl. 370-102.000.

Fukushima, Takeo: *See—*

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Fukushima, Takuo; Hayashida, Yasumasa; and Omi, Jinichi, to Asahi Denka Kogyo K.K. Water swellable sealant. 4,816,509, 3-28-89, Cl. 524-413.000.

Fukushima, Takuo: *See—*

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Fukushima, Toshitaka, to Fujitsu Limited. Bipolar PROM having transistors with reduced base widths. 4,805,141, 2-14-89, Cl. 365-96.000.

Fukushima, Toshitaka, to Fujitsu Limited. Method of producing isolation groove structure. 4,808,550, 2-28-89, Cl. 437-67.000.

Fukushima, Toshitaka, to Fujitsu Limited. Test method for detecting faulty memory cell of a programmable device. 4,862,459, 8-29-89, Cl. 371-21.000.

Fukushima, Toshitaka, to Fujitsu Limited. Method of forming groove isolation filled with dielectric for semiconductor device. 4,866,004, 9-12-89, Cl. 437-67.000.

Fukushima, Toshitaka: *See—*

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Fukushima, Tsutomu; Nakao, Tsugio; Yamashita, Kasane; Komuro, Takao; and Nishi, Katsuhiro, to NKK Corporation; and Kokan Mining Co., Ltd. Method of refining ferrous ion-containing acid solution. 4,889,697, 12-26-89, Cl. 423-140.000.

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Motai, Hiroshi; Fukushima, Yaichi; Fukase, Tetsuro; and Itoh, Harumichi, 4,879,235, Cl. 435-225.000.

Fukushima, Yasumasa: *See—*

Okamoto, Takashi; Yasue, Kenji; Marutani, Takeshi; and Fukushima, Yasumasa, 4,804,707, Cl. 525-66.000.

Fukushima, Yoichi: *See—*

Fujita, Minoru; and Fukushima, Yoichi, 4,877,713, Cl. 430-270.000.

Fukushima, Yoshiaki: *See—*

Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-445.000.

Fukushima, Yoshihisa; Satoh, Isao; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuuji, to Matsushita Electric Industrial Co., Ltd. Information recording and reproducing apparatus with management of defective sector. 4,885,735, 12-5-89, Cl. 369-59.000.

Fukushima, Yoshihisa: *See—*

Kuroki, Yuzuru; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Takagi, Yuuji, 4,805,046, Cl. 360-49.000.

Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuuji, 4,799,208, Cl. 369-100.000.

Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,821,254, Cl. 369-54.000.

Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,823,333, Cl. 369-84.000.

Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuji, 4,833,663, Cl. 369-32.000.

Takagi, Yuuji; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Kuroki, Yuzuru, 4,879,704, Cl. 369-14.000.

Fukushima, Yoshimasa: *See—*

Kakehi, Yutaka; Nakazato, Norio; Fukushima, Yoshimasa; Shibata, Fumio; Tsubone, Tsunehiko; and Kanai, Norio, 4,824,309, Cl. 414-217.000.

Fukushima, Yuhji: *See—*

Saito, Tomotaka; Murakami, Hiroaki; Fukushima, Yuhji; and Konishi, Masami, 4,814,639, Cl. 307-303.000.

Fukuta, Ken: *See—*

Tsunekawa, Kyosuke; Fukuta, Ken; and Iwabuchi, Muneyuki, 4,820,667, Cl. 501-104.000.

Fukuta, Kenji; Kaneko, Takaoki; and Takahashi, Yoshinobu, to Toyota Jidosha Kabushiki Kaisha. Apparatus and method for plasma treatment of resin material. 4,874,453, 10-17-89, Cl. 156-345.000.

Fukuta, Kenji: *See—*

Katsuyama, Kazuo; Ohhashi, Yutaka; and Fukuta, Kenji, 4,844,706, Cl. 417-339.000.

Fukuta, Masumi, to Fujitsu Limited. Field effect semiconductor device. 4,845,534, 7-4-89, Cl. 357-15.000.

Fukuta, Shigemi; Amakasu, Toshinari; Ugata, Ken; and Yoshino, Shoichi, to Kubota Ltd. Process for making a filter for molten metal having a high melting point. 4,798,615, 1-17-89, Cl. 65-4.400.

Fukuta, Toshiaki: *See—*

Honda, Minoru; Fukuta, Toshiaki; Yamaguchi, Akihide; and Ikuta, Kenzi, 4,799,470, Cl. 123-470.000.

Fukuta, Yoshihiro, to Canon Kabushiki Kaisha. Recording apparatus and regenerating apparatus. 4,858,031, 8-15-89, Cl. 358-342.000.

Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, to Shiseido Company Ltd.; and Furukawa Electric Co., Ltd., The. Hair styler having a heat pipe forming the hair winding portion. 4,829,155, 5-9-89, Cl. 219-222.000.

Fukutaka, Takashi: *See—*

Nozaka, Kenkichi; Kawaharu, Yosihiro; and Fukutaka, Takashi, 4,884,639, Cl. 172-47.000.

Nozaka, Kenkichi; Kawahara, Yoshihiro; Fukutaka, Takashi; and Horie, Fumiharu, 4,887,680, Cl. 180-53.300.

Fukutake, Tadamichi: *See—*

Kushibiki, Ryouichi; and Fukutake, Tadamichi, 4,866,503, Cl. 357-51.000.

Fukutani, Iwao: *See—*

Sakamoto, Yukio; Tanabe, Takeshi; Fukutani, Iwao; and Hori, Toshio, 4,875,862, Cl. 439-79.000.

Fukutani, Masanori: *See—*

Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seiji; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, 4,843,882, Cl. 73-204.260.

Fukutomi, Hiroshi: *See—*

Tabayashi, Isao; Harada, Hiroshi; Inoue, Sadahiro; and Fukutomi, Hiroshi, 4,878,946, Cl. 106-27.000.

Fukutomi, Hisao; Tuchiya, Takanori; Yamamoto, Takeshi; Konishi, Takeshi; and Hamasaki, Iseo, to Mazda Motor Corporation. Convertible vehicle body structure having a rear seat. 4,796,943, 1-10-89, Cl. 296-65.100.

Fukutomi, Naoki: *See—*

Kida, Akinari; Fukutomi, Naoki; Tsubomatsu, Yoshiaki; and Yasuoka, Takuya, 4,830,691, Cl. 156-631.000.

Fukutomi, Osamu, to Nihon Biso Kabushiki Kaisha. Apparatus for cleaning windowpanes. 4,800,607, 1-31-89, Cl. 15-103.000.

Fukuura, Yukio: *See—*

Yoshikawa, Masato; Fukuura, Yukio; Akiyama, Setsuo; Nakamura, Makoto; Naito, Kazuo; and Honda, Toshio, 4,872,932, Cl. 156-151.000.

Fukuwatari, Ichiro; and Watanabe, Seiji. Conveyor means for wafers. 4,877,123, 10-31-89, Cl. 198-619.000

Fukuya, Hiroshi: *See—*

Saito, Hiroshi; Sakamoto, Noboru; Fukuya, Hiroshi; and Iwata, Yoshihito, 4,810,290, Cl. 75-257.000.

Fukuyama, Hirohisa: *See—*

Kikuchi, Nobuaki; Fukuyama, Hirohisa; Hirabayashi, Tamio; and Imai, Kouichi, 4,799,743, Cl. 312-228.000.

Fukuyama, Kazuo: *See—*

Tanaka, Tadao; Mitsui, Takeshi; Takizawa, Shozo; and Fukuyama, Kazuo, 4,887,632, Cl. 137-117.000.

Fukuyama, Keiji: *See—*

Saito, Masato; Fukuyama, Keiji; Ishide, Masako; Watanabe, Keiji; Kamata, Toyokazu; and Sano, Kinjiro, 4,797,593, Cl. 313-346.00R.

Sano, Kinjiro; Kamata, Toyokazu; Fukuyama, Keiji; Saito, Masato; and Watanabe, Keiji, 4,864,187, Cl. 313-346.00R.

Fukuyama, Masahiro: *See—*

Nakagawa, Takashi; Yagisita, Sigelu; and Fukuyama, Masahiro, 4,882,388, Cl. 525-208.000.

Takao, Hiroyoshi; Tanimoto, Yoshio; Ikeda, Kiyoshi; and Fukuyama, Masahiro, 4,820,774, Cl. 525-208.000.

Fukuyama, Norio: *See—*

Maeno, Satoru; Fukuyama, Norio; Ohishi, Tetsuo; Kyutoku, Senzo; and Nakamura, Thutomu, 4,837,493, Cl. 318-685.000.

Fukuyama, Shun-ichi; Yoneda, Yasuhiro; Miyagawa, Masaaki; and Nishii, Kota, to Fujitsu Limited. Pattern-forming material and its production and use. 4,863,833, 9-5-89, Cl. 430-286.000.

Fukuyama, Takashi: *See—*

Shindo, Takuji; Naito, Hiromitsu; Kondo, Masayoshi; Fukuyama, Takashi; Koizumi, Masaaki; and Fukada, Nobuo, 4,886,559, Cl. 148-421.000.

Fukuyama, Tatsuo; Okada, Toshihiko; Moriguchi, Sanseki; Kaneya, Yoshio; and Ogata, Eisuke, to Nippon Kokan Kabushiki Kaisha. Method of liquefying coal. 4,820,405, 4-11-89, Cl. 208-423.000.

Fukuyama, Yoshiaki, to Nippon Flute Co., Ltd. Method and apparatus for transferring and bundling plastic bag sheet material. 4,854,921, 8-8-89, Cl. 493-28.000.

Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, to Ichibiki Co., Ltd.; Kabushiki Kaisha Toshiba; and Shibaura Engineering Works Co. Ltd. Apparatus and method for producing miso. 4,870,022, 9-26-89, Cl. 435-302.000.

Fukuyoshi, Kenzo, to Toppan Printing Co., Ltd. Electrode plate for color display device. 4,853,296, 8-1-89, Cl. 428-623.000.

Fukuzaki, Koichiro: *See—*

Shinomura, Yasushi; Yamaguchi, Masahiko; and Fukuzaki, Koichiro, 4,859,535, Cl. 428-398.000.

Fukuzawa, Hiroshi: *See—*

Shimada, Yasuhiro; Fukuzawa, Hiroshi; and Ichijima, Seiji, 4,883,746, Cl. 430-504.000.

Fukuzawa, Keiji; Ito, Fumihiro; Kajikuri, Junichi; and Tsurumaru, Shinobu, to Sony Corporation. Microwave antenna. 4,827,276, 5-2-89, Cl. 343-778.000.

Fukuzawa, Sooichi; Takeda, Yoshiaki; and Ohwa, Yoshio, to Hitachi, Ltd. Diaphragm type water inlet valve. 4,860,990, 8-29-89, Cl. 251-30.030.

Fukuzawa, Tadashi; Chinone, Naoki; Nakatsuka, Shin'ichi; Saito, Katsutoshi; Kajimura, Takashi; and Ono, Yuuichi, to Hitachi, Ltd. Semiconductor laser device and method of fabricating the same. 4,827,483, 5-2-89, Cl. 372-45.000.

Fukuzawa, Tadashi; Yamada, Eizaburo; Hiruma, Kenji; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Optical modulator. 4,847,573, 7-11-89, Cl. 332-7.510.

Fukuzawa, Tadashi: *See—*

Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; Kajimura, Takashi; and Ohtoshi, Tsukuru, 4,881,235, Cl. 372-45.000.

Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; and Kajimura, Takashi, 4,881,238, Cl. 372-68.000.

Katsuyama, Toshio; Matsumura, Hiroyoshi; Inoue, Hiroaki; Fukuzawa, Tadashi; and Chinone, Naoki, 4,861,130, Cl. 350-96.140.

Ohtoshi, Tsukuru; Uomi, Kazuhisa; Fukuzawa, Tadashi; and Chinone, Naoki, 4,835,578, Cl. 357-4.000.

Fukuzawa, Takashi: *See—*

Sonobe, Kozo; Fukuzawa, Takashi; Takeuchi, Kohsuke; Tabata, Tatushi; Fukuoka, Hiroshi; Hisamatsu, Kunio; and Katamura, Makoto, 4,882,303, Cl. 501-28.000.

Fukuzawa, Takeshi: *See—*

Hibino, Yoshitaka; Fukuzawa, Takeshi; Sato, Hiromitsu; Asakura, Masahiko; and Totsune, Atsushi, 4,803,898, Cl. 74-860.000.

Fukuzuka, Toshio; Shimogori, Kazutoshi; Torii, Yasushi; Kitahata, Kohjiro; and Hosoda, Takuo, to Kabushiki Kaisha Kobe Seiko Sho. Method of producing rolled steel having excellent resistance to sulfide stress corrosion cracking. 4,851,054, 7-25-89, Cl. 148-12.00F.

Fulberth, Werner; and Freuer, Hans-Georg, to Hoechst Aktiengesellschaft. Pancreatic enzyme products and a process for the preparation thereof. 4,859,471, 8-22-89, Cl. 424-480.000.

Fulcher, Carol A.: *See—*

Zimmerman, Theodore S.; and Fulcher, Carol A., 4,831,118, Cl. 530-383.000.

Zimmerman, Theodore S.; and Fulcher, Carol A., 4,857,635, Cl. 530-383.000.

Zimmerman, Theodore S.; and Fulcher, Carol A., 4,886,876, Cl. 530-383.000.

Fuler, John R. C.: *See—*

Croucher, Melvin D.; Duff, James M.; Fuler, John R. C.; Pravato, George R.; and Wong, Raymond W., 4,822,710, Cl. 430-115.000.

Fulk, Clyde W., Jr. Spiral wound membrane modules and systems with improved feed spacer. 4,861,487, 8-29-89, Cl. 210-644.000.

Fulkerson, Bennie C.: *See—*

Smith, Michael A., 4,872,151, Cl. 369-14.000.

Fulkerson, David E., to Honeywell Inc. High speed logic circuit having feedback to prevent current in the output stage. 4,810,969, 3-7-89, Cl. 307-448.000.

Fulks, Bernard D.; Sawin, Steven P.; Aikman, Collin D.; and Jenkins, John M., III, to Union Carbide Chemicals and Plastics Company Inc. Process for reducing sheeting during polymerization of alpha-olefins. 4,876,320, 10-24-89, Cl. 526-62.000.

Fulks, Gary C.: *See—*

Bates, Trevor; Smith, Graham; and Fulks, Gary C., 4,805,427, Cl. 70-264.000.

Fulks, Kent B. Multi-purpose exercise machine. 4,854,578, 8-8-89, Cl. 272-134.000.

Fullar, Charles R. Protective housing for transporting circular saw blades. 4,848,571, 7-18-89, Cl. 206-372.000.

Fullemann, James S., to Hewlett-Packard Company. Pipette assembly. 4,863,695, 9-5-89, Cl. 422-100.000.

Fullemann, Jorg; Boner, Heinrich; and Granwehr, Erik, to VTH AG. Feeding device for feeding pulverous or granular material from a container to a material consuming apparatus. 4,861,216, 8-29-89, Cl. 414-326.000.

Fullen Research Corporation: *See—*

Fuller, Terry A.; and Ukani, Anish A., 4,822,997, Cl. 250-227.000.

Fuller, Anthony T. B.; and Jones, Arthur N., to Koninklijke Emballage Industrie Van Leer BV. Package with tear opening strip device. 4,848,649, 7-18-89, Cl. 229-123.200.

Fuller, Carmel U. Self-cleaning air filter. 4,826,512, 5-2-89, Cl. 55-283.000.

Fuller Company: *See—*

Kreisberg, Alan J.; and Prowler, Millard E., 4,859,177, Cl. 432-14.000.

Lawall, Thomas R., 4,818,152, Cl. 406-88.000.

Paul, Kermit D., 4,822,173, Cl. 366-101.000.

Paul, Kermit D., 4,834,544, Cl. 366-101.000.

Schonbach, Bernard H., 4,828,189, Cl. 241-121.000.

Fuller, David G., to Vintage Vestments International, Inc. Dual function jacket for bottle-shaped containers. 4,867,214, 9-19-89, Cl. 428-35.800.

Fuller, Dennis D., to Dresser Industries, Inc. Fluid actuated rock drill hammer. 4,819,739, 4-11-89, Cl. 173-17.000.

Fuller, Douglas D., to Centronics Data Computer Corporation. Cut sheet paper mechanism. 4,795,145, 1-3-89, Cl. 271-10.000.

Fuller, Douglas D.; and Boulanger, Kenenth A., to Genicom Corporation. Printer paper feed mechanism. 4,848,944, 7-18-89, Cl. 400-629.000.

Fuller, Edward N.; and Willi, Gary A., to Kelsey-Hayes Company. Control valve for vehicle anti-lock brake system. 4,828,335, 5-9-89, Cl. 303-100.000.

Fuller, Edward N.: *See—*

Atkins, Thomas M.; Tuck, Brian C.; Fuller, Edward N.; and Every, Peter, 4,865,399, Cl. 303-116.000.

Fuller, Frank J. Fluid flow system. 4,813,605, 3-21-89, Cl. 239-233.000.

Fuller, George L. Cylindrical sundial with installation indicia. 4,835,875, 6-6-89, Cl. 33-270.000.

Fuller, H. B.: *See—*

Zimmel, John M.; Klinkenberg, Pamela M.; Bunnelle, William L.; and Knutson, Keith C., 4,871,803, Cl. 525-89.000.

Fuller, Harold A.; and Shepard, Michael L., to Westvaco Corporation. Concentric injection flow pipe junction fabrication method. 4,807,340, 2-28-89, Cl. 29-157.00R.

Fuller, Harold A.; and Shepard, Michael L., to Westvaco Corporation. Concentric injection flow pipe junction. 4,858,965, 8-22-89, Cl. 285-189.000.

Fuller, James G.: *See—*

Hughes, Leonard; Fuller, James G.; and Earl, Gary W., 4,876,355, Cl. 548-352.000.

Fuller, Jerald W. Tray assembly for attachment to folding chairs and other supporting structures. 4,861,102, 8-29-89, Cl. 297-162.000.

Fuller, John, to NL Petroleum Products Limited. Rotary drill bits. 4,823,892, 4-25-89, Cl. 175-329.000.

Fuller, John; and Gasan, Joseph A., to Reed Tool Co., Ltd. Rotary drill bit for use in drilling holes in subsurface earth formations. 4,889,017, 12-26-89, Cl. 76-108.00A.

Fuller, John E.: *See—*

Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo, 4,823,523, Cl. 52-173.00R.

Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo J., 4,841,692, Cl. 52-173.00R.

Fuller, John R. C.: *See—*

Ong, Beng S.; Murti, Dasarao K.; and Fuller, John R. C., 4,820,601, Cl. 430-58.000.

Ong, Beng S.; Fuller, John R. C.; and Murti, Dasarao K., 4,853,308, Cl. 430-59.000.

Fuller, John R. D.; and Bell, John K. A., to ROLLS-ROYCE plc. Clearance control apparatus for a bladed fluid flow machine. 4,804,310, 2-14-89, Cl. 415-115.000.

Fuller, Kip L.; and Collier, Donald W., to Guardian Technologies, Inc. Remote confinement system. 4,843,377, 6-27-89, Cl. 340-573.000.

Fuller, Lance S.: *See—*

Grosvenor, Peter R.; and Fuller, Lance S., 4,889,940, Cl. 549-81.000.

Fuller, Larry E.: *See—*

Irmiter, Richard J.; Fuller, Larry E.; and Martinez, Felix J., 4,863,452, Cl. 604-408.000.

Fuller, Mark, to Wet Enterprises, Inc. Laminar flow nozzle. 4,795,092, 1-3-89, Cl. 239-12.000.

Fuller, Mark; and Robinson, Alan S., to Wet Enterprises, Inc. User activated fountain display. 4,817,312, 4-4-89, Cl. 40-439.000.

Fuller, Mark; and Robinson, Alan S., to Wet Enterprises, Inc. Apparatus and method for stream diverter. 4,889,283, 12-26-89, Cl. 239-11.000.

Fuller, Mark W.; and Robinson, Alan S., to Wet Enterprises, Inc. Airpowered water displays. 4,852,801, 8-1-89, Cl. 239-12.000.

Fuller, Mark W.: *See—*

Robinson, Alan S.; and Fuller, Mark W., 4,858,826, Cl. 239-18.000.

Robinson, Alan S.; and Fuller, Mark W., 4,872,611, Cl. 239-18.000.

Fuller, Martin J.: *See—*

Catherall, Colin L. R.; and Fuller, Martin J., 4,806,825, Cl. 313-486.000.

Fuller, Melvin L.: *See—*

Frew, Larry H.; and Fuller, Melvin L., 4,803,632, Cl. 364-464.040.

Fuller, Ray W.: *See—*

Cohen, Marlene L.; Fuller, Ray W.; Garbrecht, William L.; and Whitten, Kathleen R., 4,810,710, Cl. 514-288.000.

Fuller Research Corporation: *See—*

Fuller, Terry A.; and Kwasegroch, John G., 4,883,054, Cl. 128-303.100.

Fuller, Richard C.; Gentles, Thomas A.; and Lewandowski, Mark, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Remote testing of metallic loops with a trans hybrid signal. 4,870,675, 9-26-89, Cl. 379-5.000.

Fuller, Robert G., to Lucas Industries Public Limited Company. Anti-lock hydraulic modulator units for vehicles. 4,880,075, 11-14-89, Cl. 180-219.000.

Fuller, Robert L., Jr., to Boeing Company, The. Drill bit sharpening apparatus. 4,821,463, 4-18-89, Cl. 51-215.00H.

Fuller, Robert L., Jr., to Boeing Company, The. Drill bit sharpening apparatus. 4,837,983, 6-13-89, Cl. 51-215.0AR.

Fuller, Robert T.; and Sanders, Robert J. Carpet sample holder. 4,872,580, 10-10-89, Cl. 211-45.000.

- Fuller, Roger W.; and Bingham, David, to Maxim Integrated Products. Integrated dual charge pump power supply including power down feature and rs-232 transmitter/receiver. 4,797,899, 1-10-89, Cl. 375-7.000.
- Fuller, Roger W.; and Bingham, David, to Maxim Integrated Products. CMOS amplifier/driver stage with output disable feature. 4,847,522, 7-11-89, Cl. 307-473.000.
- Fuller, Ronald D.; Dougherty, Richard M.; Fullerton, Craig L.; and Malone, Hugh R., to Motorola, Inc. Broad band microwave biasing networks suitable for being provided in monolithic integrated circuit form. 4,843,354, 6-27-89, Cl. 333-81.00A.
- Fuller, Steven A.; and Hurrell, John G. R., to ADI Diagnostics Inc. Canine heartworm vaccine and diagnostic test. 4,842,999, 6-27-89, Cl. 435-7.000.
- Fuller, Terry A.; and Ukani, Anish A., to Fullen Research Corporation. Apparatus for and method of measuring and/or controlling the use of fiber optic conductors. 4,822,997, 4-18-89, Cl. 250-227.000.
- Fuller, Terry A.; and Kwasegroch, John G., to Fuller Research Corporation. Optical fiber break detector. 4,883,054, 11-28-89, Cl. 128-303.100.
- Fuller, Walter D. Precision controlled cartesian diver. 4,886,459, 12-12-89, Cl. 434-300.000.
- Fuller, William D.; Blair, Robert K.; and Goodman, Murray, to Bioresearch, Inc. Metabolically acceptable polyisocyanate adhesives. 4,829,099, 5-9-89, Cl. 523-111.000.
- Fuller, William T., to Tandem Computers Incorporated. Processor controlled modifying of tabled input/output priority. 4,809,164, 2-28-89, Cl. 364-200.000.
- Fuller, William T., to Tandem Computers Incorporated. Instruction sequencer branch mechanism. 4,837,681, 6-6-89, Cl. 364-200.000.
- Fullerton, Craig L.: *See—*
  - Fuller, Ronald D.; Dougherty, Richard M.; Fullerton, Craig L.; and Malone, Hugh R., 4,843,354, Cl. 333-81.00A.
- Fullerton, Larry W., to Phillips, Charles A., a part interest. Time domain radio transmission system. 4,813,057, 3-14-89, Cl. 375-37.000.
- Fullmann, Heinz-Josef: *See—*
  - Freitag, Dieter; Joswig, Thomas; Idel, Karsten; Fullmann, Heinz-Josef; and Muller, Friedemann, 4,888,370, Cl. 524-100.000.
  - Hocker, Jurgen; Rottmaier, Ludwig; Reinking, Klaus; Kirsch, Jurgen; and Fullmann, Heinz-Josef, 4,798,686, Cl. 252-500.000.
- Fullmer, David M., to Xerox Corporation. Parts assembly using signature analysis. 4,855,923, 8-8-89, Cl. 364-468.000.
- Fullwood, John W. Video tape editing system with vertical interval time code. 4,837,638, 6-6-89, Cl. 360-14.200.
- Fulmer, Andrew W.: *See—*
  - Barford, Brian D.; Fulmer, Andrew W.; and Manring, Gary L., 4,835,148, Cl. 514-179.000.
- Fulmer, George D.: *See—*
  - Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.
- Fulmer, John W., to General Electric Company. Process for purifying phenol. 4,832,796, 5-23-89, Cl. 203-29.000.
- Fulmer, Keith H., to Allied-Signal Inc. Disc brake corrosion barrier. 4,809,821, 3-7-89, Cl. 188-72.400.
- Fulmer, Keith H., to Allied-Signal Inc. Master cylinder and proportioning valve therefor. 4,833,885, 5-30-89, Cl. 60-591.000.
- Fulmer Limited: *See—*
  - Gray, Nigel; Knibbs, Simon; Finlay, Patrick A.; and Crocker, Robert L., 4,870,970, Cl. 128-660.090.
- Fulmer, Thomas L. Scented furnace filter. 4,875,912, 10-24-89, Cl. 55-279.000.
- Fulmer Yarsley Ltd.: *See—*
  - Brook, Michael G., 4,842,597, Cl. 604-368.000.
- Fulton, Alfred L.; Lakhani, Kishor M.; Sampson, Scott D.; and Lowman, Kent, to SCI Systems, Inc. Printing apparatus and method. 4,851,864, 7-25-89, Cl. 346-159.000.
- Fulton, David A.; and Boen, Jerry D., to Metal Building Components Incorporated. Articulating roofing panel clip. 4,796,403, 1-10-89, Cl. 52-713.000.
- Fulton, Donald E., to Charles Stark Draper Laboratory, Inc., The. Constant area pulse generating network. 4,862,049, 8-29-89, Cl. 318-689.000.
- Fultón, Donald E.: *See—*
  - Byong-Ho, Ahn; Fulton, Donald E.; Gilinson, Philip J., Jr.; Whipple, David C.; and Curtiss, William P., 4,868,479, Cl. 318-721.000.
- Fulton, Janet B.; and Edwards, Philip D., to Polysar Limited. Adducts of an aminoalcohol and nitrile rubber. 4,879,352, 11-7-89, Cl. 525-329.300.
- Fulton, Joe A.: *See—*
  - Dentini, Mark S.; Fulton, Joe A.; Jin, Sungho; Mottine, John J., Jr.; Shepherd, Lloyd; and Sherwood, Richard C., 4,838,347, Cl. 165-185.000.
- Fulton Manufacturing Corporation: *See—*
  - Ebey, Edward W., 4,866,456, Cl. 343-766.000.
  - Weiss, Gordon E., 4,828,186, Cl. 248-640.000.
- Fulton, Scott P.; and Tiffany, Douglas B., to W. R. Grace & Co. Sample dispensing system for liquid chromatography. 4,810,392, 3-7-89, Cl. 210-659.000.
- Fulton, Steven F.: *See—*
  - Creagh, Linda T.; Fulton, Steven F.; Hoisington, Paul A.; Paulson, Bruce A.; Schaffer, Robert R.; and Spehrley, Charles W., Jr., 4,801,473, Cl. 427-164.000.
  - Creagh, Linda T.; Fulton, Steven F.; Hoisington, Paul A.; Paulson, Bruce A.; Schaffer, Robert R.; and Spehrley, Charles W., Jr., 4,877,676, Cl. 428-204.000.
- Fulton, Steven J.; Spehrley, Charles W., Jr.; and Young, Lawrence R., to Spectra, Inc. Hot melt ink projection transparency. 4,873,134, 10-10-89, Cl. 428-156.000.
- Fulton, William R. Baby pacifier. 4,867,159, 9-19-89, Cl. 128-360.000.
- Fuma, Hiroshi; Itaya, Masahiko; and Fujimori, Toshiro, to Konishiroku Photo Industry Co., Ltd. Developer layer forming apparatus. 4,814,818, 3-21-89, Cl. 355-3.0DD.
- Fuma, Hiroshi: *See—*
  - Haneda, Satoshi; Shoji, Hisashi; and Fuma, Hiroshi, 4,814,797, Cl. 346-157.000.
  - Itaya, Masahiko; Fuma, Hiroshi; and Fujimori, Toshiro, 4,822,711, Cl. 430-120.000.
- Fumeno, Tsuyoshi: *See—*
  - Yanagawa, Hisaharu; Ochiai, Toshihiro; Miyazawa, Hidehisa; Yamaguchi, Shizuka; Fumeno, Tsuyoshi; Raijo, Hiroshi; and Ohmizu, Seiji, 4,886,335, Cl. 350-96.200.
- Fumia, Enrico, to Pininfarina Extra S.r.l. Bag, particularly a golf bag, of variable configuration. 4,858,761, 8-22-89, Cl. 206-315.300.
- Fumio, Kimura: *See—*
  - Asanae, Masumi; and Fumio, Kimura, 4,873,540, Cl. 346-160.100.
- Fumio, Mizuno; and Kenji, Ito, to NGK Spark Plug Co., Ltd. Dielectric ceramic composition. 4,829,032, 5-9-89, Cl. 501-137.000.
- Fumioka, Jun: *See—*
  - Ito, Yasushi; Imamura, Masaaki; Kato, Yoshiki; and Fumioka, Jun, 4,842,618, Cl. 51-293.000.
- Fumoto, Teruo: *See—*
  - Tsuda, Yukifumi; Kotera, Hiroaki; and Fumoto, Teruo, 4,814,867, Cl. 358-80.000.
- Funabashi, Hiroshi: *See—*
  - Inoue, Takeshi; Funabashi, Hiroshi; and Nakagawa, Yukihiro, 4,880,078, Cl. 181-232.000.
- Funabashi, Kiyomi: *See—*
  - Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.
- Funabashi, Masayuki; and Sibuya, Masayosi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing an electrode substrate which is uniform in physical properties. 4,814,307, 3-21-89, Cl. 502-101.000.
- Funabashi, Masayuki: *See—*
  - Fukuda, Hiroyuki; Shigeta, Masatomo; Ohuchi, Kiyomi; Kaji, Hisatsugu; Saitoh, Kuniyuki; and Funabashi, Masayuki, 4,818,640, Cl. 429-38.000.
- Funabashi, Motohisa: *See—*
  - Masui, Shiochi; Tano, Shunichi; Sakaguchi, Seiji; and Funabashi, Motohisa, 4,868,763, Cl. 364-513.000.
  - Ohnari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; Atago, Takeshi; and Shioya, Makoto, 4,887,216, Cl. 364-431.060.
  - Onari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; and Atago, Takeshi, 4,853,720, Cl. 364-431.070.
- Funabashi, Shinichiro: *See—*
  - Hisazumi, Nobuyuki; Funabashi, Shinichiro; and Tomioka, Yoshihiko, 4,851,245, Cl. 426-105.000.
- Funabashi, Tadashi: *See—*
  - Kurihara, Toshihiko; Araki, Yoshitsugu; and Funabashi, Tadashi, 4,831,612, Cl. 369-75.200.
  - Kurihara, Toshihiko; and Funabashi, Tadashi, 4,841,517, Cl. 369-270.000.
- Funabashi, Takanori; Nakada, Akiyoshi; and Tada, Haruo, to Matsushita Electric Industrial Co., Ltd. Industrial robot. 4,802,815, 2-7-89, Cl. 414-680.000.
- Funabashi, Tatsuya: *See—*
  - Sawano, Susumu; Sakuma, Masaru; Nagai, Hideaki; and Funabashi, Tatsuya, 4,855,917, Cl. 364-426.020.
- Funabashi, Tetsuji: *See—*
  - Matsuda, Kazuo; Inaba, Nobuaki; Kaminishi, Masashi; Funabashi, Tetsuji; and Tanaka, Nobukazu, 4,846,651, Cl. 425-145.000.
- Funabashi, Yoshiyuki: *See—*
  - Kiyohara, Kazuto; Funabashi, Yoshiyuki; and Shimomura, Naoko, 4,847,149, Cl. 428-332.000.
- Funabiki, Masaki: *See—*
  - Chiba, Tadao; Funabiki, Masaki; and Watanabe, Tsunao, 4,806,519, Cl. 502-252.000.
- Funada, Fumiaki: *See—*
  - Kato, Hiroaki; Tanaka, Hirohisa; and Funada, Fumiaki, 4,834,507, Cl. 350-339.00F.
- Funada, Masahiro, to Canon Kabushiki Kaisha. Image forming apparatus with storage of processing modes. 4,809,041, 2-28-89, Cl. 355-14.00C.
- Funada, Masahiro: *See—*
  - Suzuki, Yoshiyuki; Funada, Masahiro; Sato, Mamoru; and Sato, Yukio, 4,797,945, Cl. 382-56.000.
- Funada, Saburo, to Olympus Optical Co., Ltd. Laser control circuit for optical data recording/reproduction apparatus. 4,858,220, 8-15-89, Cl. 369-116.000.
- Funada, Takashi, to Hitachi, Ltd. Variable equalization system. 4,862,103, 8-29-89, Cl. 330-304.000.
- Funada, Tohru: *See—*
  - Yoshioka, Hajime; Kodama, Yukio; Shigemura, Sadato; Funada, Tohru; and Morimoto, Satoshi, 4,855,019, Cl. 204-16.000.
- Funada, Yutaka: *See—*
  - Kawaguchi, Toshiaki; Sasaki, Tsutomu; Fukumoto, Takaaki; Funada, Yutaka; Kubota, Isao; Hama, Masaharu; and Terada, Nobuyoshi, 4,834,137, Cl. 137-557.000.

- Funae, Yasuaki: *See—*
  - Matsuda, Tatsuhito; Funae, Yasuaki; Yoshida, Masahiro; and Takaya, Tsuguo, 4,810,812, Cl. 558-251.000.
- Funahashi, Hiroyuki: *See—*
  - Kagami, Isao; Hasegawa, Makoto; Yokota, Eiji; Takahashi, Kiyoshi; and Funahashi, Hiroyuki, 4,844,638, Cl. 400-636.000.
- Funahashi, Makoto; Kubo, Seitoku; and Nakamura, Shinya, to Toyota Jidosha Kabushiki Kaisha. Fluid pressure control system for automatic transmission. 4,856,381, 8-15-89, Cl. 74-867.000.
- Funahashi, Makoto: *See—*
  - Shioda, Yasuhiro; Nakamura, Shinya; Funahashi, Makoto; and Kubo, Seitoku, 4,881,725, Cl. 267-179.000.
- Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; Miyake, Akira; and Norimatsu, Kohji, to Hitachi Maxell, Ltd. Magnetic recording medium. 4,797,321, 1-10-89, Cl. 428-328.000.
- Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; and Miyake, Akira, to Hitachi Maxell, Ltd. Magnetic recording medium. 4,820,565, 4-11-89, Cl. 428-64.000.
- Funahashi, Nobuhiro; and Yamashita, Toshio, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus with method and means for diagnosing failure of a pressure sensor. 4,848,096, 7-18-89, Cl. 62-126.000.
- Funahashi, Takahiko: *See—*
  - Yamanami, Tsuguya; Funahashi, Takahiko; and Senda, Toshiaki, 4,878,553, Cl. 178-18.000.
- Funahashi, Takeshi, to Fuji Photo Film Co., Ltd. Method of adjusting radiation image read-out conditions. 4,806,759, 2-21-89, Cl. 250-327.200.
- Funahashi, Takeshi, to Sony Corporation. Display apparatus for simultaneous display of lines of characters having different line pitches. 4,837,729, 6-6-89, Cl. 364-900.000.
- Funahashi, Takeshi; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Irradiation field recognizing method, and method of adjusting image processing conditions using the same. 4,859,850, 8-22-89, Cl. 250-327.200.
- Funahashi, Takeshi; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Method of adjusting radiation image read-out conditions. 4,864,133, 9-5-89, Cl. 250-327.200.
- Funahashi, Toshihiro, to Matsushita Electric Industrial Co., Ltd. Recording and reproducing apparatus for reducing cross-talk in color television signal. 4,809,085, 2-28-89, Cl. 358-329.000.
- Funahashi, Yoshiki; and Hibi, Masayuki, to Tokai Rubber Industries, Ltd. Fluid-filled cylindrical elastic mount having a protective member extending through a void. 4,848,756, 7-18-89, Cl. 267-140.100.
- Funahashi, Yoshiki, to Takai Rubber Industries, Ltd. Fluid-filled resilient bushing structure with radial vanes. 4,871,152, 10-3-89, Cl. 267-140.100.
- Funahashi, Yoshiko; Kamino, Yoshikazu; Matsumura, Yasuharu; and Harimaya, Senichi, to Kawasaki Steel Corporation. Test medium and method for detecting phosphorus segregates in metallic material. 4,871,513, 10-3-89, Cl. 422-56.000.
- Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, to Toshiba Silicone Co., Ltd. Vinyl silane compounds. 4,814,475, 3-21-89, Cl. 556-489.000.
- Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, to Toshiba Silicone Co., Ltd. Epoxy-containing organic silicon compounds. 4,876,363, 10-24-89, Cl. 549-215.000.
- Funai, Kiyoshi; Yamamoto, Tetsu; Maeda, Nobuaki; Imai, Hiroshi; and Yoshioka, Kouichi, to Mitsubishi Denki Kabushiki Kaisha. Disk drive head actuator and mounting arrangement therefor. 4,819,110, 4-4-89, Cl. 360-106.000.
- Funai, Kiyosi: *See—*
  - Ueda, Takaharu; Yumura, Takashi; Funai, Kiyosi; and Yamamoto, Tetsu, 4,819,106, Cl. 360-106.000.
  - Ueda, Takaharu; Yumura, Takashi; Yamamoto, Tetsu; and Funai, Kiyosi, 4,823,219, Cl. 360-106.000.
- Funaki, Akira; and Takubo, Toyokazu, to Idemitsu Petrochemical Company Limited. Process of producing thermoplastic resin sheet and the like and molding screw therefor. 4,867,927, 9-19-89, Cl. 264-180.000.
- Funaki, Ayano: *See—*
  - Tamaoki, Ryokichi, 4,868,849, Cl. 379-357.000.
- Funaki, Izuna: *See—*
  - Tamaoki, Ryokichi, 4,868,849, Cl. 379-357.000.
- Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, to Ocean Cable Co., Ltd.; and Seitei Co., Ltd. Pressure-resistant sheath of a submarine optical fibre cable and method for the production thereof. 4,867,528, 9-19-89, Cl. 350-96.230.
- Funaki, Masaaki; Kunihiro, Koki; and Ichinomiya, Yutaka, to Nippon Sheet Glass Co., Ltd. Vehicle window glass. 4,874,654, 10-17-89, Cl. 428-192.000.
- Funaki, Motokatsu. Roof structure and fixture therefor. 4,803,818, 2-14-89, Cl. 52-520.000.
- Funaki, Motokatsu. Tiled wall structure. 4,803,821, 2-14-89, Cl. 52-387.000.
- Funaki, Mutuko: *See—*
  - Koichi, Yasushi; Mizuishi, Haruzi; Funaki, Mutuko; and Fujioka, Tetsuya, 4,885,466, Cl. 250-324.000.
- Funaki, Pitsuko: *See—*
  - Tamaoki, Ryokichi, 4,868,849, Cl. 379-357.000.
- Funaki, Shinsuke: *See—*
  - Umeda, Toshikazu; Funaki, Shinsuke; and Nozu, Taketo, 4,862,196, Cl. 346-108.000.
- Funaki, Yasuzo: *See—*
  - Tsujimura, Osamu; Saito, Takayoshi; Arai, Tatsuo; and Funaki, Yasuzo, 4,808,045, Cl. 408-204.000.
- Funaki, Yoshinori, to Daicel Chemical Industries, Ltd. Method of cleaning the surface of an optical disc and a cleaning device. 4,853,922, 8-1-89, Cl. 369-72.000.
- Funamoto, Kyota: *See—*
  - Hirano, Hiroyuki; and Funamoto, Kyota, 4,845,571, Cl. 358-342.000.
- Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, to Hitachi, Ltd. Integrated circuit device. 4,809,058, 2-28-89, Cl. 357-82.000.
- Funari, Joseph; Green, Mary C.; Reynolds, Scott D.; and Sammakia, Bahgat G., to International Business Machines Corp. Electronic package with improved heat sink. 4,849,856, 7-18-89, Cl. 361-386.000.
- Funato, Hiroyoshi: *See—*
  - Misawa, Shigeyoshi; and Funato, Hiroyoshi, 4,876,680, Cl. 369-110.000.
- Funato, Kenji: *See—*
  - Ishibashi, Akira; Funato, Kenji; and Mori, Yoshifumi, 4,888,622, Cl. 357-5.000.
- Funato, Ryo; Kubo, Shinji; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, to Mitsubishi Rayon Company Limited. Polyester resin from tri- or higher polycarboxylic acid for toner and process for its production. 4,849,495, 7-18-89, Cl. 528-194.000.
- Funato, Ryo: *See—*
  - Kubo, Shinji; Funato, Ryo; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,866,158, Cl. 528-272.000.
- Funato, Yasumichi: *See—*
  - Hamano, Hideo; Funato, Yasumichi; and Ida, Shuichiro, 4,841,803, Cl. 74-665.0GE.
- Funatsu, Chuhei; and Kita, Kazuyuki, to Toyo Communication Equipment Co., Ltd. Indicating system for warning airspace or threatening aircraft in aircraft collision avoidance system. 4,853,700, 8-1-89, Cl. 342-30.000.
- Funatsu, Eiji: *See—*
  - Nakamura, Taku; Hirano, Tsumoru; and Funatsu, Eiji, 4,820,610, Cl. 430-270.000.
- Funatsu, Ryuichi: *See—*
  - Ikeda, Minoru; Funatsu, Ryuichi; Kembo, Yukio; and Taniguchi, Motoya, 4,852,133, Cl. 378-34.000.
- Funatsu, Takenori; Hayashi, Mikio; and Ohtomo, Yoshitaka, to Toyo Ink Manufacturing Co., Ltd. Azo pigment composition. 4,810,302, 3-7-89, Cl. 106-402.000.
- Funatsu, Tsunemasa: *See—*
  - Takei, Toshitaka; and Funatsu, Tsunemasa, 4,827,867, Cl. 118-64.000.
- Funayama, Osamu; Arai, Mikiro; and Isoda, Takeshi, to Petroleum Energy Center; and Toa Nenryo Kogyo Kabushiki Kaisha. Reformed, inorganic polysilazane and method of producing same. 4,861,569, 8-29-89, Cl. 423-324.000.
- Funayama, Osamu; Arai, Mikiro; Nishii, Hayato; and Isoda, Takeshi, to Toa Nenryo Kogyo Kabushiki Kaisha. Processes for producing polysiloxazanes and silicon oxynitride fibers. 4,869,858, 9-26-89, Cl. 264-65.000.
- Funayama, Osamu: *See—*
  - Arai, Mikiro; Funayama, Osamu; Nishii, Hayato; and Isoda, Takeshi, 4,818,611, Cl. 428-364.000.
  - Arai, Mikiro; Funayama, Osamu; Tashiro, Yuuji; and Isoda, Takeshi, 4,886,860, Cl. 525-474.000.
- Funazaki, Ichizi; and Tani, Haruo, to Sokkisha Co., Ltd. Optical automatic levelling apparatus. 4,854,704, 8-8-89, Cl. 356-250.000.
- Funck, Ronald; and Henry, Raymond, to Thomson-csf. Hyperfrequency semiconductor device having external connections established by beam-leads. 4,812,895, 3-14-89, Cl. 357-69.000.
- Fundakowski, Richard A.: *See—*
  - Michalopoulos, Panos G.; Fundakowski, Richard A.; Geokezas, Meletios; and Fitch, Robert C., 4,847,772, Cl. 364-436.000.
- Fundell, Yngve, to Oy Wartsila AB. Upstreams inclined doctor blade. 4,889,071, 12-26-89, Cl. 118-126.000.
- Funder, Christian: *See—*
  - Wessling, Bernhard; Funder, Christian; Volk, Harald; Siemers, Olaf; Merkle, Holger; and Hilleberg, Manfred, 4,806,212, Cl. 204-130.000.
- Funderburg, Robert R., Jr.; Kattner, Max E.; Milberger, Lionel J.; and Slaughter, Louis D., to Vetco Gray Inc. Diverter system test tool and method. 4,817,724, 4-4-89, Cl. 166-337.000.
- Funderingstechnieken Verstraeten B.V.: *See—*
  - Verstraeten, Alexander J., 4,877,357, Cl. 405-267.000.
- Fundokin Shoyu Kabushiki Kaisha: *See—*
  - Kuribayashi, Yoshihiro; and Sueoka, Kazuomi, 4,855,148, Cl. 426-46.000.
- Fung, Alexander K.: *See—*
  - Megahed, El-Sayed A.; and Fung, Alexander K., 4,835,077, Cl. 429-219.000.
- Fung, Anthony: *See—*
  - Bultman, David L.; and Fung, Anthony, 4,870,643, Cl. 371-11.100.
- Fung, Anthony K. L.: *See—*
  - Luly, Jay R.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Plattner, Jacob J.; Rosenberg, Saul H.; and Sham, Hing L., 4,826,815, Cl. 514-19.000.
  - Rosenberg, Saul H.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Luly, Jay R.; and Plattner, Jacob J., 4,857,507, Cl. 514-18.000.
- Fung, Henry T., to Vadem Corporation. Direct memory access and display system. 4,811,204, 3-7-89, Cl. 364-200.000.

Fung, Kwok K., to American Standard Inc. Island type refrigeration display cabinet. 4,840,040, 6-20-89, Cl. 62-255.000.
Fung, Min-Su: *See—*
  Curtis, Huntington W.; Fung, Min-Su; and Verkuil, Roger L., 4,812,756, Cl. 324-158.00R.
Fung, Shun C.: *See—*
  Trowbridge, Theodore D.; Fung, Shun C.; and Vanderspurt, Thomas H., 4,824,816, Cl. 502-66.000.
  Trowbridge, Theodore D.; and Fung, Shun C., 4,839,320, Cl. 502-66.000.
Fung, Steven; Woo, Sam L.; Haugland, Richard P.; Menchen, Steven M.; and Connell, Charles R., to Applied Biosystems, Inc. Method of detecting electrophoretically separated oligonucleotides. 4,855,225, 8-8-89, Cl. 435-6.000.
Fung, Steven: *See—*
  Smith, Lloyd M.; and Fung, Steven, 4,849,513, Cl. 536-27.000.
Funger, Edward A., to PerfecTrim Limited Partnership, The. Carpet seam cutter. 4,813,141, 3-21-89, Cl. 30-290.000.
Funger, Edward A., to PerfecTrim Limited Partnership, The. Cutting blade and holder therefor. 4,864,729, 9-12-89, Cl. 30-290.000.
Funghini, Augusto: *See—*
  Springer, Helmut A.; Schwab, Dieter R.; and Funghini, Augusto, 4,863,376, Cl. 432-122.000.
Funk, Alexander L. Endless reactor. 4,851,961, 7-25-89, Cl. 361-295.000.
Funk, Charles F. Method of hard-facing a metal surface. 4,837,417, 6-6-89, Cl. 219-76.150.
Funk, George W. Adjustable, heavy duty garage shelf assembly. 4,819,900, 4-11-89, Cl. 248-244.000.
Funk, Guenter: *See—*
  Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, Heir; Funk, Guenter; and Krueger, Hans, 4,847,941, Cl. 372-37.000.
Funk, Guido: *See—*
  Bachl, Robert; Funk, Guido; Richter, Konrad; Hemmerich, Rainer; and Saive, Roland, 4,831,090, Cl. 526-116.000.
  Konrad, Rainer; Funk, Guido; Schmidt-Thuemmes, Juergen; Mueller-Mall, Rudolf; and Schweier, Guenther, 4,814,308, Cl. 502-107.000.
Funk, Hans G.; Neumann, Frank; and Schafer, Dankmar, to Johannes Schaefer vorm. Stettiner Schraubenwerke GmbH & Co. KG. Plug-in connection for connecting tube and host lines in particular for use in tube-line systems of motor vehicles. 4,884,829, 12-5-89, Cl. 285-24.000.
Funk, Hans-Werner: *See—*
  Ermert, Wolfgang; Schieder, Hans-Egon; and Funk, Hans-Werner, 4,810,451, Cl. 264-209.100.
Funk, Larry: *See—*
  Thompson, Raymon F.; and Funk, Larry, 4,872,638, Cl. 251-54.000.
Funk, Robert A.: *See—*
  Daponte, Diego H.; Fox, Norman K.; and Funk, Robert A., 4,818,597, Cl. 428-284.000.
Funke, Herbert, to Saphirwerk Industrieprodukte. Precision reciprocating metering pump. 4,808,092, 2-28-89, Cl. 417-454.000.
Funke, Jimmy L.: *See—*
  Nagy, Louis L.; and Funke, Jimmy L., 4,866,453, Cl. 343-712.000.
Funke, Karl-Heinz, to Funke Warmeaustauscher Apparatebau GmbH. Plate heat exchanger. 4,854,382, 8-8-89, Cl. 165-167.000.
Funke, Klaus E., to AMP Incorporated. Method and apparatus for testing fiber optic hubs. 4,850,045, 7-18-89, Cl. 455-607.000.
Funke Warmeaustauscher Apparatebau GmbH: *See—*
  Funke, Karl-Heinz, 4,854,382, Cl. 165-167.000.
Funkenbusch, Arnold W.; and Siitari, David W., to Minnesota Mining and Manufacturing Company. Stable magneto optic recording medium. 4,822,675, 4-18-89, Cl. 428-336.000.
Funkey, Donald J., to General Motors Corporation. Tubular structure hood latch and headlamp mounting frame. 4,829,409, 5-9-89, Cl. 362-80.000.
Funkhouser, Richard N., Jr., to Har-Tru Corporation. Underground watering system. 4,832,526, 5-23-89, Cl. 405-43.000.
Funkhouser, Richard N., Jr., to Har-Tru Corporation. Tennis net tightening apparatus. 4,844,455, 7-4-89, Cl. 273-29.0BF.
Funyu, Yukio: *See—*
  Noguchi, Yasuhiro; Yamada, Hitoshi; and Funyu, Yukio, 4,887,230, Cl. 364-560.000.
Fuqua, Wayne C.: *See—*
  Broussard, Jerry A.; Fuqua, Wayne C.; and George, James H., 4,876,368, Cl. 549-374.000.
Fuquay, Kevin. Hand-held spray device. 4,880,165, 11-14-89, Cl. 239-525.000.
Furbee, Avery D.; Perno, Salvatore G.; and Burke, James E., to Picker International, Inc. X-ray tube having multiple cathode filaments. 4,799,248, 1-17-89, Cl. 378-114.000.
Furbringer, Claude; and Pauling, Horst, to Hoffmann-La Roche Inc. Explosive and propellant composition and method of preparation. 4,881,993, 11-21-89, Cl. 149-46.000.
Furch, Benjamin: *See—*
  Bocker, Jurgen; Furch, Benjamin; Pfaehler, Jorg; and Peters, Jorg, 4,848,238, Cl. 102-476.000.
Furcht, Leo T.: *See—*
  Charonis, Aristidis S.; and Furcht, Leo T., 4,870,160, Cl. 530-326.000.
  McCarthy, James B.; and Furcht, Leo T., 4,839,464, Cl. 530-326.000.
  Tarsio, Joseph F.; and Furcht, Leo T., 4,797,473, Cl. 530-387.000.
  Tsilibary, Effie C.; and Furcht, Leo T., 4,876,332, Cl. 530-326.000.
Furey, Andrew J.; and Rosenwald, Frederic P., to Pilling Co. Neonatal subglottiscope set. 4,799,485, 1-24-89, Cl. 128-11.000.
Furey, Thomas. Nail holding attachment for a hammer. 4,798,107, 1-17-89, Cl. 81-23.000.
Furey, Thomas. Nail holding hammer attachment. 4,843,925, 7-4-89, Cl. 81-23.000.
Furgal, James J.: *See—*
  Donachie, Stephen J.; Fesko, James W.; Furgal, James J.; and Sczerzenie, Francis E., 4,808,225, Cl. 75-246.000.
Furgason, Eric S.: *See—*
  Shade, Richard E.; Furgason, Eric S.; and Murdock, Larry L., 4,809,554, Cl. 73-587.000.
Furgason, Leon M. Apparatus and method for digital data transmission. 4,806,907, 2-21-89, Cl. 341-50.000.
Furgerson, Donald F., to Westinghouse Electric Corp. Logic diagram compiler/executor. 4,831,524, 5-16-89, Cl. 364-300.000.
Furholz, Urs J., to Ciba-Geigy AG. Process for producing masked positive color images by the silver dye bleach process. 4,879,203, 11-7-89, Cl. 430-378.000.
Furholz, Urs J.: *See—*
  Steiger, Rolf; and Furholz, Urs J., 4,868,098, Cl. 430-393.000.
Furihata, Makoto: *See—*
  Nishiyama, Tamotsu; Watanabe, Toshinori; Horie, Noboru; Furihata, Makoto; Kominami, Yasuo; and Mori, Fumihiko, 4,803,636, Cl. 364-491.000.
  Watanabe, Kazuo; Furihata, Makoto; and Yamazaki, Kouichi, 4,841,484, Cl. 365-190.000.
Furihata, Tetsuo: *See—*
  Kanahara, Naoyuki; Furo, Masahiro; and Furihata, Tetsuo, 4,811,893, Cl. 228-198.000.
Furin, Olivia P.: *See—*
  Clearman, Jack F.; Furin, Olivia P.; Chiou, Joseph J.; and Squires, William C., 4,881,556, Cl. 131-359.000.
Furlanetto, Enrico: *See—*
  Marchesano, Carlo; Buriano, Franco; and Furlanetto, Enrico, 4,873,180, Cl. 430-491.000.
Furlenmeier, Andre ; Hofheinz, Werner; Hubschwerlen, Christian N.; and Isenring, Hans P., to Hoffmann-La Roche Inc. Antimicrobial 2-oxo-1-azetidinesulphonic acids. 4,816,582, 3-28-89, Cl. 540-355.000.
Furler, Roland: *See—*
  Richardson, Brian P.; Giger, Rudolf K. A.; Engel, Gunter; and Furler, Roland, 4,826,838, Cl. 514-210.000.
Furlong, Joseph T.: *See—*
  Fisher, David W.; Denny, Lee N.; and Furlong, Joseph T., 4,805,538, Cl. 108-7.000.
Furlong, Owen D.; and Searle, Robin H. J., to Normalair-Garrett (Holdings) Limited. Flueric partial pressure sensors. 4,823,593, 4-25-89, Cl. 73-23.000.
Furlong, Patrick J.: *See—*
  Pike, Brian R.; Furlong, Patrick J.; and Moers, John W., 4,854,760, Cl. 401-134.000.
Furman, Anatol, to International Business Machines Corporation. Fully synchronous half-frequency clock generator. 4,882,505, 11-21-89, Cl. 307-269.000.
Furman, Anthony H.: *See—*
  Blanton, John C.; and Furman, Anthony H., 4,803,836, Cl. 60-39.464.
Furman, Dennis L.: *See—*
  Smith, Daniel J.; and Furman, Dennis L., 4,799,484, Cl. 128-339.000.
Furman, Herbert, to General Motors Corporation. Window retention method. 4,889,574, 12-26-89, Cl. 156-108.000.
Furman, Irvin: *See—*
  Hattler, Brack G.; and Furman, Irvin, 4,846,791, Cl. 604-43.000.
Furman, Phillip A.: *See—*
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,538, Cl. 424-436.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,750, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,828,838, Cl. 424-451.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,833,130, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,837,208, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,847,244, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,857,511, Cl. 514-50.000.
  Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,874,609, Cl. 424-85.400.
Furman, Theodore J. Package and method of packaging. 4,799,590, 1-24-89, Cl. 206-390.000.
Furman, William N.: *See—*
  McRae, Daniel D.; and Furman, William N., 4,872,182, Cl. 375-1.000.
Furnace, Mark L. C.: *See—*
  Gale, Simon J.; Fearnhead, Graham R.; and Furnace, Mark L. C., 4,796,188, Cl. 364-443.000.
Furnas Electric Company: *See—*
  Lindsey, Kurt; and Sitar, Clem P., 4,868,356, Cl. 200-83.00P.
Furnas, George W.: *See—*
  Deerwester, Scott C.; Dumais, Susan T.; Furnas, George W.; Harshman, Richard A.; Landauer, Thomas K.; Lochbaum, Karen E.; and Streeter, Lynn A., 4,839,853, Cl. 364-900.000.

Furneaux, Robin C.; and Rigby, William R., to Alcan International Limited. Porous anodic aluminum oxide films. 4,859,288, 8-22-89, Cl. 204-11.000.
Furneaux, Robin C.: *See—*
  Rigby, William R.; Furneaux, Robin C.; and Thomas, Anthony T., 4,889,631, Cl. 210-493.100.
Furness Controls Limited: *See—*
  Furness, Joseph T.; and Rosenberg, Henri, 4,813,265, Cl. 73-4.00R.
Furness, Duncan S.: *See—*
  Stewart, Alexander; Furness, Duncan S.; and Bhatia, Sham P., 4,812,929, Cl. 360-77.070.
Furness, Joseph T.; and Rosenberg, Henri, to Furness Controls Limited. Apparatus for providing calibrated gas pressure. 4,813,265, 3-21-89, Cl. 73-4.00R.
Furno, Franco; and Biondi, Luigi, to Ing. C. Olivetti & C., S.p.A. Arrangement for the display of processing data by means of pixels on a cathode ray tube. 4,875,035, 10-17-89, Cl. 340-731.000.
Furno, Gregory S.; and Kellner, Steven, to Nicolet Instrument Corporation. Raster scan emulation of conventional analog CRT displays. 4,816,813, 3-28-89, Cl. 340-724.000.
Furo, Masahiro: *See—*
  Kanahara, Naoyuki; Furo, Masahiro; and Furihata, Tetsuo, 4,811,893, Cl. 228-198.000.
Furr, Clen H.: *See—*
  Favreau, Danny W., and Furr, Clen H., 4,841,943, Cl. 123-557.000.
Furrer, Fredrick J.: *See—*
  Lemme, Charles D.; and Furrer, Fredrick J., 4,838,394, Cl. 188-299.000.
Furrer, Jurgen; Jannakos, Konstantin; and Potgeter, Georg, to Kernforschungszentrum Karlsruhe GmbH. Filter assembly for a boiler filter housing. 4,826,518, 5-2-89, Cl. 55-484.000.
Furrey, John H., to Thomson Consumer Electronics, Inc. Video display driver coupling circuit. 4,858,015, 8-15-89, Cl. 358-242.000.
Furrey, John H., to Thomson Consumer Electronics, Inc. Video display driver apparatus. 4,860,107, 8-22-89, Cl. 358-184.000.
Furrow, Robert E., to B. F. Electronics, Inc. Transmission brake disengagement circuit for a racing automobile. 4,812,671, 3-14-89, Cl. 307-10.100.
Furrow, Robert E. Engine speed control circuit for drag racing. 4,840,157, 6-20-89, Cl. 123-352.000.
Furse, Martin L.: *See—*
  McEwen, James A.; Godolphin, William J.; Bohl, Rainer M.; Dance, Mark N.; Furse, Martin L.; and Osborne, John C., 4,828,716, Cl. 210-740.000.
Furseth, Donald A.: *See—*
  Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.
Fursich, Manfred: *See—*
  Zahn, Wolfgang; Fursich, Manfred; Nitsch, Wilhelm; Rauh, Hans-Jurgen; and Treiber, Helmut, 4,873,546, Cl. 355-38.000.
Furst, Gene A.; Allen, Dennis E.; and Altamore, Peter C., to L. Perrigo Company. Water dispersible compound. 4,828,842, 5-9-89, Cl. 424-480.000.
Furst, Wilhelm, to Diehl GmbH & Co. Submunition incorporating a fuze. 4,833,991, 5-30-89, Cl. 102-215.000.
Furst, Wilhelm: *See—*
  Postler, Gunter; Anacker, Lothar; Furst, Wilhelm; and Brunner, Anton, 4,848,235, Cl. 102-393.000.
Furstenau, Norbert, to Versuchsanstalt fur Luft. Flat tactile sensor. 4,886,361, 12-12-89, Cl. 356-345.000.
Furtauer, Johann: *See—*
  Puschner, Herbert A.; and Furtauer, Johann, 4,825,651, Cl. 60-275.000.
Furtek, Allan B., to Mobil Oil Corporation. Catalyst composition for polymerizing olefins of narrow molecular weight distribution and polymerization therewith. 4,876,229, 10-24-89, Cl. 502-107.000.
Furtek, Edward J., to Vitronics Corporation. Multi-zone thermal process system utilizing nonfocused infrared panel emitters. 4,833,301, 5-23-89, Cl. 219-388.000.
Furtek, Frederick C., to Apple Computer Inc. System for programming graphically a programmable, asynchronous logic cell and array. 4,845,633, 7-4-89, Cl. 364-490.000.
Furtmann, Terrence J.: *See—*
  Estabrook, Robert M.; Furtmann, Terrence J.; and Norstrom, Svenn A., 4,888,539, Cl. 318-685.000.
Furtner, Horst; Gerteiser, Eugen; and Gierer, Georg, to Zahnradfabrik Friedrichshafen, AG. Transmission with dual modulated shift controls. 4,817,467, 4-4-89, Cl. 74-864.000.
Furubayashi, Hisatoshi: *See—*
  Jinda, Akihito; Furubayashi, Hisatoshi; Hijikigawa, Masaya; and Tabuchi, Hiroki, 4,805,296, Cl. 29-620.000.
Furubayashi, Tadashi; Yamada, Kazuo; and Fujitani, Hitoshi, to Nissan Motor Co., Ltd.; and Yamato Kogyo Co., Ltd. Door guard bar. 4,838,606, 6-13-89, Cl. 296-188.000.
Furuse, Ryosuke; and Agano, Toshitaka, to Fuji Photo Film Co., Ltd. Motor control method and apparatus. 4,833,378, 5-23-89, Cl. 318-374.000.
Furugard, Erik G.; and Caron, Charles. Acoustical stethoscope with electrical filter. 4,821,327, 4-11-89, Cl. 381-67.000.
Furugen, Munekatsu: *See—*
  Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,796,798, Cl. 228-146.000.
Furuhashi, Hidehiko, to Nikon Corporation. Manually operable device for displacing movable stages. 4,803,892, 2-14-89, Cl. 74-479.000.
Furuhashi, Hiroshi: *See—*
  Ohishi, Tatsuo; and Furuhashi, Hiroshi, 4,816,806, Cl. 340-514.000.
Furuhashi, Hiroyuki: *See—*
  Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,311, Cl. 502-111.000.
  Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,312, Cl. 502-111.000.
  Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,313, Cl. 502-111.000.
Furuhashi, Kenshi; Ito, Hiroyasu; and Enari, Nobuyuki, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Cancelling mechanism for turning signal. 4,855,542, 8-8-89, Cl. 200-61.270.
Furuhashi, Koshi; Miyazaki, Satoshi; Furuya, Masakazu; Kawatobi, Tatsuo; Kouyama, Sinichi; and Kashio, Jiro, to Hitachi, Ltd. Transmission method for control information in communication network. 4,875,208, 10-17-89, Cl. 370-94.100.
Furuhashi, Ryoichi; and Nagase, Shinsuke, to Yamazaki Mazaki Corporation. Pull stud. 4,850,766, 7-25-89, Cl. 409-234.000.
Furuhashi, Shouji: *See—*
  Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,817,572, Cl. 123-492.000.
  Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,831,987, Cl. 123-488.000.
Furuhashi, Takeshi; and Kamei, Yoshio, to Kabushiki Kaisha Toshiba. Plural polyphase inverter units having toned input filters. 4,797,801, 1-10-89, Cl. 363-43.000.
Furuhashi, Takeshi, to Kabushiki Kaisha Toshiba. Protective apparatus for inverter. 4,853,835, 8-1-89, Cl. 363-58.000.
Furuhashi, Takeshi, to Kabushiki Kaisha Toshiba. Snubber energy regenerating circuit. 4,853,836, 8-1-89, Cl. 363-58.000.
Furuhashi, Toru: *See—*
  Nakamura, Tamiya; Bamba, Hiroshi; Furuhashi, Toru; Ozeki, Takaaki; Kishino, Kuniaki; and Inagaki, Toshihiko, 4,845,710, Cl. 370-110.100.
Furuhata, Shoichi, to Fuji Electric Co., Ltd. Semiconductor device. 4,825,279, 4-25-89, Cl. 357-68.000.
Furuhata, Takashi; Yumde, Yasufumi; Okamura, Fujio; Noguchi, Takaharu; Shibuya, Toshifumi; Mohri, Katsuo; Arai, Takao; and Terada, Toshimichi, to Hitachi, Ltd. Rotary head type magnetic recording and reproducing apparatus and method of producing tracking control signals therefor. 4,843,493, 6-27-89, Cl. 360-77.150.
Furuhata, Takashi; Owashi, Hitoaki; Ito, Takayasu; and Hamaguchi, Masakazu, to Hitachi, Ltd. Video signal and method therefor time axis altering circuit used in a video tape recorder for recording a broadband video signal. 4,873,582, 10-10-89, Cl. 358-310.000.
Furuhata, Takashi: *See—*
  Okada, Yoshinori; Higuchi, Shigemitsu; Takahashi, Hiroaki; Yunde, Yasufumi; and Furuhata, Takashi, 4,825,299, Cl. 358-323.000.
Furuichi, Akira; and Manii, Yasutoshi, to Tokushu Kika Kogyo Kabushiki Kaisha. Homogenizing apparatus. 4,830,293, 5-16-89, Cl. 241-163.000.
Furuichi, Katsushi: *See—*
  Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, Katsushi; Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, Yoshikuni; Kasamura, Toshirou; and Honma, Toshio, 4,845,528, Cl. 355-210.000.
Furuishi, Yoshiro; Suganami, Takuya; and Fujiwara, Michio, to Mitsubishi Denki Kabushiki Kaisha. Vibration-reducing apparatus. 4,811,563, 3-14-89, Cl. 60-517.000.
Furuishi, Yoshiro: *See—*
  Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,822,390, Cl. 62-6.000.
  Kazumoto, Yoshio; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,856,283, Cl. 62-6.000.
  Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,872,313, Cl. 62-6.000.
Furujo, Akira: *See—*
  Nakano, Etsuo; Furujo, Akira; and Iizuka, Tetsuya, 4,803,405, Cl. 315-111.210.
Furukama, Kazuyoshi: *See—*
  Yamaguchi, Yoshihiro; Watanabe, Kiminori; Nakagawa, Akio; Furukama, Kazuyoshi; Fukuda, Kiyoshi; and Tanzawa, Katsujiro, 4,878,957, Cl. 148-33.300.
Furukawa, Akihiro: *See—*
  Iinuma, Kazumoto; Koga, Toshio; Furukawa, Akihiro; Okubo, Sakae; Hashimoto, Hideo; and Mukawa, Naoki, 4,802,006, Cl. 358-135.000.
  Oishi, Minoru; Morimoto, Yoshinari; Furukawa, Akihiro; Miura, Tomoko; Ikeda, Yoshie; and Nagatsuna, Akemi, 4,812,832, Cl. 340-709.000.
Furukawa, Akira: *See—*
  Kohmura, Isao; Senga, Takao; Furukawa, Akira; Yamamoto, Hirokazu; Nakatani, Mamoru; and Yamada, Jun, 4,879,197, Cl. 430-119.000.
  Yamamoto, Hirokazu; and Furukawa, Akira, 4,837,103, Cl. 430-115.000.
Furukawa Aluminum Co., Ltd.: *See—*
  Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,823,578, Cl. 72-47.000.

Coe, Thomas U.; and Yamazaki, Atsushi, 4,825,680, Cl. 72-359.000.

Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,829,799, Cl. 72-47.000.

Coe, Thomas U., 4,870,524, Cl. 360-135.000.

Coe, Thomas U., 4,887,179, Cl. 360-135.000.

Ishii, Yoh; Abe, Masami; Harada, Yuhzoh; Takasugi, Atsumi; and Kato, Kazumi, 4,875,519, Cl. 164-465.000.

Kawase, Hiroshi, 4,852,233, Cl. 29-157.30R.

Nabae, Motohiro, 4,840,685, Cl. 148-439.000.

Shoji, Ryo; Fujikura, Chozo; Takizawa, Kazushige; and Sakaki, Hirokazu, 4,822,715, Cl. 430-155.000.

Yamanoi, Tukio; Kandachi, Mitsuo; Iwata, Masahiro; and Kato, Kazumi, 4,860,568, Cl. 72-291.000.

Furukawa Construction Co., Ltd., The: *See—*

Sotani, Junji; Koizumi, Tatsuya; Endo, Shiro; Mashino, Nobuyoshi; and Seo, Susumu, 4,803,343, Cl. 219-326.000.

Furukawa Denki Kogyo Kabushiki Kaisha: *See—*

Hasegawa, Akira; and Ishiwa, Masayuki, 4,868,047, Cl. 428-324.000.

Furukawa Electric Co., Ltd., The: *See—*

Asada, Yoshihisa; and Iizuma, Masahiro, 4,830,457, Cl. 350-96.200.

Chiba, Kazuo; Ohishi, Yoshiaki; Migita, Jituo; Mochizuki, Hajime; and Kobayashi, Takao, 4,883,950, Cl. 235-440.000.

Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, 4,829,155, Cl. 219-222.000.

Hattori, Kenichi; and Imamatsu, Kazuya, 4,871,198, Cl. 285-373.000.

Hikami, Toshiya; Yoshida, Koji; Obara, Yuichi; and Fuse, Kenichi, 4,846,729, Cl. 439-161.000.

Kamiya, Tamotsu; Uchiyama, Nobuhito; and Shibayama, Yasuhiro, 4,832,721, Cl. 65-3.120.

Katsumata, Minoru; Yanagawa, Hisaharu; Ohta, Kousaku; Inao, Katsuzou; and Ichinowatari, Koh, 4,868,816, Cl. 370-95.200.

Kawazoe, Hideyo; Koguchi, Makoto; and Orimo, Katsumi, 4,826,520, Cl. 65-3.120.

Kojima, Seiji; Ikeda, Masakiyo; Kikuchi, Hiroshi; and Kashiwayanagi, Yuzo, 4,798,743, Cl. 427-255.000.

Konishi, Kenjiro; and Obata, Ken, 4,806,123, Cl. 439-595.000.

Maeda, Ryu; Fukuoka, Shingoro; and Yatabe, Hiroshi, 4,842,959, Cl. 428-630.000.

Mikami, Masatoshi; and Matsubara, Kunihiro, 4,810,189, Cl. 431-354.000.

Nakai, Sinichiro; Obara, Yuichi; Yuguchi, Renichi; and Tachigami, Shigeru, 4,801,191, Cl. 350-96.200.

Nishiyama, Hidemi; and Ohtani, Kenichi, 4,886,848, Cl. 524-109.000.

Noda, Hajime; Sato, Kuniyoshi; and Sotani, Junji, 4,875,522, Cl. 165-104.140.

Nojiri, Akio; Komatsu, Hirokazu; Shishikura, Hidehito; and Horiguchi, Masao, 4,832,770, Cl. 156-78.000.

Obara, Yuichi; Fuse, Kenichi; Onuma, Yoshihiro; Toya, Takao; and Chiba, Kazuo, 4,836,636, Cl. 350-96.200.

Otsuki, Yasuo; and Nakamura, Yoshio, 4,889,493, Cl. 437-265.000.

Oyama, Yoshimasa; Asai, Masato; Tanigawa, Toru; Shinozaki, Shigeo; and Shiga, Shoji, 4,822,560, Cl. 420-470.000.

Shiromatsu, Eiji; and Ohtani, Kenichi, 4,814,130, Cl. 264-83.000.

Suzuki, Yuichi, 4,829,843, Cl. 74-470.000.

Tamura, Junichi; Hara, Ryoichi; Abe, Fumihiko; and Koaizawa, Hisashi, 4,884,290, Cl. 378-83.000.

Uchiyama, Nobuhito; Kamiya, Tamotsu; Shibayama, Yasuhiro; Takagi, Shigeo; and Katano, Sakae, 4,813,989, Cl. 65-1.000.

Yabumoto, Toshiaki; and Fujiwara, Kunihiko, 4,842,831, Cl. 422-198.000.

Yanagawa, Hisaharu; Ochiai, Toshihiro; Miyazawa, Hidehisa; Yamaguchi, Shizuka; Fumeno, Tsuyoshi; Raijo, Hiroshi; and Ohmizu, Seiji, 4,886,335, Cl. 350-96.200.

Yoshida, Seikoh; Kikuta, Toshio; and Kashiwayanagi, Yuzo, 4,853,066, Cl. 156-616.400.

Furukawa Electric Co., Ltd, The: *See—*

Kobayashi, Kenzo; and Tachibana, Hideto, 4,846,709, Cl. 439-161.000.

Furukawa, Haruhiko: *See—*

Fujii, Hiroyuki; Kudo, Takamichi; Furukawa, Haruhiko; and Yamamoto, Nobusuke, 4,838,945, Cl. 134-7.000.

Furukawa, Hideki: *See—*

Matsui, Hideo; Yamaguchi, Yuji; and Furukawa, Hideki, 4,841,582, Cl. 4-420.100.

Furukawa, Hiroshi, to Kabushiki Kaisha Toshiba. Magnetic shield apparatus. 4,808,957, 2-28-89, Cl. 335-301.000.

Furukawa, Hiroshi: *See—*

Matsuda, Mutsuhide; Aoyagi, Masao; Furukawa, Hiroshi; and Shimizu, Masami, 4,853,725, Cl. 354-286.000.

Suzuki, Ryuji; Furukawa, Hiroshi; and Kamata, Shigeru, 4,844,586, Cl. 350-255.000.

Furukawa, Hisao; Ando, Naotami; and Kato, Yasushi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Curable resin and process for preparing the same. 4,801,658, 1-31-89, Cl. 525-450.000.

Furukawa, Hisao; and Kawamura, Jo, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Curable copolymer and process for preparation thereof. 4,810,767, 3-7-89, Cl. 526-279.000.

Furukawa, Hisao: *See—*

Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, 4,826,904, Cl. 524-314.000.

Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, 4,880,861, Cl. 524-314.000.

Furukawa, Junichi: *See—*

Moriya, Mikio; Furukawa, Junichi; Kawasaki, Makoto; and Iesaka, Tsutomu, 4,795,285, Cl. 400-320.000.

Furukawa, Kaoru: *See—*

Yamashita, Mikihiro; and Furukawa, Kaoru, 4,859,931, Cl. 324-67.000.

Furukawa, Katsuki: *See—*

Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, 4,865,659, Cl. 148-33.000.

Furukawa, Kazuo: *See—*

Shimamura, Teruo; Sakatsuji, Takao; and Furukawa, Kazuo, 4,829,754, Cl. 56-15.900.

Furukawa, Keiichi: *See—*

Mitsumaru, Michitoshi; Furukawa, Keiichi; Ojima, Teruo; and Sawa, Shiro, 4,824,324, Cl. 415-170.00A.

Furukawa, Kenji: *See—*

Inukai, Takashi; Furukawa, Kenji; Terashima, Kanetsugu; and Saito, Shinichi, 4,820,444, Cl. 252-299.650.

Murata, Shizuo; Emoto, Naoyoshi; Furukawa, Kenji; Kunimune, Kouichi; Kobayashi, Ryuji; and Tanaka, Masami, 4,864,008, Cl. 528-125.000.

Saito, Hideo; Sawada, Shinichi; and Furukawa, Kenji, 4,822,519, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,826,621, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Takeshita, Fusayuki; Kikuchi, Makoto; and Furukawa, Kenji, 4,882,083, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,882,086, Cl. 252-299.610.

Furukawa, Kiyoshi: *See—*

Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,799,127, Cl. 361-321.000.

Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,854,936, Cl. 29-570.100.

Furukawa, Kusuo; and Fujiwara, Teruo, to Kawasaki Steel Corporation; and Nissan Motor Co., Ltd. Steel sheets for painting and a method of producing the same. 4,795,681, 1-3-89, Cl. 428-600.000.

Furukawa, Kusuo, to Kawasaki Steel Corporation. Steel sheets for painting and a method of producing the same. 4,798,772, 1-17-89, Cl. 428-600.000.

Furukawa, Kusuo: *See—*

Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kusuo; Soda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.

Kusaba, Takashi; Abe, Hideo; Torao, Akira; Furukawa, Kusuo; Yanagimoto, Takayuki; and Sasaki, Hiroaki, 4,841,611, Cl. 29-121.200.

Furukawa, Masami; and Yamakazi, Naoyuki, to Tomy Kogyo Co., Inc. Block toy with integral drive shaft. 4,813,903, 3-21-89, Cl. 446-90.000.

Furukawa, Masatoshi; Kumagai, Masao; Sugawara, Tadami; Sasaki, Hatsuo; Hishi, Yuichi; and Takahashi, Atsushi, to Alps Electric Co., Ltd. Magnetic head assembly for double-sided disk drive apparatus. 4,835,642, 5-30-89, Cl. 360-105.000.

Furukawa, Masayuki: *See—*

Ueyama, Shinichiro; Furukawa, Masayuki; and Nishikawa, Tadachi, 4,855,389, Cl. 528-168.000.

Furukawa, Minoru; Tagawa, Hiroaki; Hayano, Takeshi; and Ejima, Akio, to Daiichi Seiyaku Co., Ltd. Cephalosporin derivatives and salts thereof. 4,833,242, 5-23-89, Cl. 540-225.000.

Furukawa, Mitsuhiko; Kitahira, Takashi; Tanaka, Sakae; and Misumi, Kiyohito, to Nippon Tungsten Co., Ltd. High-density sintered article of silicon carbide. 4,874,725, 10-17-89, Cl. 501-89.000.

Furukawa, Mitsuhiko: *See—*

Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Nagano, Mitsuyoshi; and Mohri, Shigeki, 4,796,127, Cl. 360-103.000.

Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Mohri, Shigeki; and Nagano, Mitsuyoshi, 4,814,915, Cl. 360-103.000.

Wada, Toshiaki; Katsuyama, Yoshiaki; Furukawa, Mitsuhiko; Kitahira, Takashi; Miyahara, Michito; Misumi, Kiyohito; and Shiroyama, Masaharu, 4,859,638, Cl. 501-58.000.

Furukawa, Nobuhiro; Saito, Toshihiko; Nakane, Ikuro; and Watanabe, Hiroshi, to Sanyo Electric Co., Ltd. Non-aqueous electrolyte type secondary cell. 4,820,599, 4-11-89, Cl. 429-194.000.

Furukawa, Nobuhiro; Nishio, Koji; and Yoshinaga, Noriyuki, to Sanyo Electric Co., Ltd. Secondary cell. 4,840,858, 6-20-89, Cl. 429-197.000.

Furukawa, Nobuhiro: *See—*

Suzuki, Tetsumi; Hasegawa, Kazumi; Ando, Osamu; Furukawa, Nobuhiro; and Nishio, Koji, 4,795,687, Cl. 429-213.000.

Furukawa, Noriyuki, to NEC Corporation. Method for granting a request to authorized data terminal users accessing from any locations. 4,815,031, 3-21-89, Cl. 364-900.000.

Furukawa, Osamu; Harata, Mitsuo; Yasumoto, Takaaki; and Imai, Motomasa, to Kabushiki Kaisha Toshiba. High dielectric constant type ceramic composition. 4,882,652, 11-21-89, Cl. 361-321.000.

Furukawa, Osamu: *See—*

Yamashita, Yohachi; Furukawa, Osamu; Harata, Mitsuo; and Takahashi, Takashi, 4,818,736, Cl. 501-136.000.

Furukawa, Satoshi: *See—*

Hatta, Naoyuki; and Furukawa, Satoshi, 4,806,446, Cl. 430-138.000.

Furukawa, Seijiro; Etoh, Hiroyuki; Ishizaka, Akitoshi; and Shimada, Toshikazu, to Hitachi, Ltd. Semiconductor device with crystalline silicon-germanium-carbon alloy. 4,885,614, 12-5-89, Cl. 357-16.000.

Furukawa, Shohei: *See—*

Kawaguchi, Kojiro; and Furukawa, Shohei, 4,800,818, Cl. 104-290.000.

Furukawa, Shunsuke: *See—*

Sugita, Takatoshi; and Furukawa, Shunsuke, 4,796,223, Cl. 364-900.000.

Furukawa, Sunao; Yoshimoto, Tadashi; Ajisawa, Yukiyoshi; Ikeguchi, Seiichi; and Kinoshita, Yukihiko, to Kissei Pharmaceutical Co., Ltd. Thiazolidine compounds and therapeutic method. 4,857,524, 8-15-89, Cl. 514-227.500.

Furukawa, Tadahiro: *See—*

Shimamura, Masayoshi; Furukawa, Tadahiro; Murakami, Akiyoshi; and Haga, Toshio, 4,837,098, Cl. 430-7.000.

Furukawa, Takahiro: *See—*

Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, 4,885,746, Cl. 370-102.000.

Kosugi, Toru; Furukawa, Takahiro; and Miyaou, Hirohisa, 4,887,083, Cl. 341-56.000.

Miyaou, Hirohisa; Furukawa, Takahiro; and Kosugi, Toru, 4,841,524, Cl. 370-112.000.

Furukawa, Takao, to ECS Corporation. Method and apparatus for vacuum packaging. 4,843,796, 7-4-89, Cl. 53-434.000.

Furukawa, Takao, to ECS Corporation. Vacuum packaging apparatus. 4,869,050, 9-26-89, Cl. 53-510.000.

Furukawa, Takao: *See—*

Okumoto, Yutaka; and Furukawa, Takao, 4,860,773, Cl. 131-281.000.

Furukawa, Takashi: *See—*

Ukai, Mikio; Furukawa, Takashi; and Hojo, Yasuo, 4,805,921, Cl. 277-212.0FB.

Furukawa, Takemitsu, to Honda Giken Kogyo Kabushiki Kaisha. Saddle-seated vehicles. 4,796,901, 1-10-89, Cl. 280-5.00A.

Furukawa, Takeshi: *See—*

Tanaka, Hiroaki; Ito, Mitsuhiro; Furukawa, Takeshi; and Fujii, Satoru, 4,818,376, Cl. 209-135.000.

Furukawa, Tatsuya, to Ricoh Company, Ltd. Multi-nozzle ink-jet printer. 4,797,688, 1-10-89, Cl. 346-75.000.

Furukawa, Tetsuro; Yoshikawa, Kensuke; Mizuuchi, Mitsuru; Furutera, Masaharu; Sakabata, Nobuharu; Matsushita, Yoshiaki; Muto, Tomoyoshi; and Umeda, Tatsuhiko, to Hitachi Zosen Corporation. Absorption type heat exchanging apparatus. 4,805,419, 2-21-89, Cl. 62-476.000.

Furukawa, Tokinobu: *See—*

Yamanaka, Katsuhisa; Furukawa, Tokinobu; Shindoh, Hirohiko; Kaneyuki, Yukio; Kinoshita, Takatoshi; and Ishibe, Masahiko, 4,801,433, Cl. 422-228.000.

Furukawa, Yasuo; Yamazaki, Katsuyuki; Hosaka, Takemi; and Fukui, Akira, to Kokusai Denshin Denwa Co., Ltd.; and NEC Corporation. Audio frequency signal identification apparatus. 4,797,931, 1-10-89, Cl. 351-56.000.

Furukawa, Yoshimi: *See—*

Sano, Shoichi; and Furukawa, Yoshimi, 4,835,714, Cl. 364-551.010.

Sano, Shoichi; Furukawa, Yoshimi; Ogura, Masami; Abe, Masaru; and Oyama, Yasuharu, 4,881,748, Cl. 280-91.000.

Furukawa, Yoshiyasu: *See—*

Naka, Takehiko; Furukawa, Yoshiyasu; and Nagaoka, Akinobu, 4,824,848, Cl. 514-258.000.

Furukawa, Yosio; Yasaka, Yasuhiro; Nagura, Osamu; Haraguchi, Eiji; Nakagawa, Hiroto; and Oono, Yasuteru, to Hitachi Ltd.; and Kansai Electric Power Co., Inc., The. Variable-speed power generating system. 4,870,339, 9-26-89, Cl. 322-29.000.

Furukawa, Yosio: *See—*

Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.

Furukawa, Yuichi. Catheter introducer for angiography. 4,850,975, 7-25-89, Cl. 604-170.000.

Furukawa, Yutaka: *See—*

Miyake, Haruhisa; Shin-ya, Seiji; and Furukawa, Yutaka, 4,814,418, Cl. 528-37.000.

Furukawa, Yuuji: *See—*

Okada, Tadashi; Furukawa, Yuuji; and Murata, Makoto, 4,838,120, Cl. 74-711.000.

Furukawa, Yuzo: *See—*

Nakabayashi, Masamitsu; Furukawa, Yuzo; and Hori, Teruo, 4,828,920, Cl. 428-349.000.

Furukoori, Hitoshi, to Kabushiki Kaisha Meidensha. Image contour detecting apparatus. 4,817,173, 3-28-89, Cl. 382-21.000.

Furumochi, Kazuto: *See—*

Koshizuka, Atuo; and Furumochi, Kazuto, 4,800,552, Cl. 365-190.000.

Furumoto, Horace, to Candela Laser Corporation. Long pulse tunable light amplifier. 4,829,262, 5-9-89, Cl. 330-4.300.

Furumoto, Horace: *See—*

Cho, George; and Furumoto, Horace, 4,802,461, Cl. 128-7.000.

Watson, Graham; and Furumoto, Horace, 4,887,600, Cl. 606-128.000.

Furumoto, Mitsumasa: *See—*

Ikejiri, Kenichi; Kawahara, Eiichiro; and Furumoto, Mitsumasa, 4,864,823, Cl. 60-488.000.

Yamamoto, Noboru; Furumoto, Mitsumasa; Kawahara, Eiichiro; and Ikehjiri, Kenichi, 4,838,024, Cl. 60-488.000.

Furumoto, Mitsunobu: *See—*

Kubo, Kanji; Usuki, Naoshi; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, 4,816,930, Cl. 360-10.200.

Nakase, Hiromi; Kubo, Kanji; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, 4,868,692, Cl. 360-77.160.

Furumura, Kyozaburo; and Matsunaga, Shigeki, to Nippon Seiko Kabushiki Kaisha. Bearing assembly. 4,842,426, 6-27-89, Cl. 384-478.000.

Furumura, Kyozaburo; Muraoka, Tomoki; Murakami, Yasuo; and Abe, Tsutomu, to Nippon Seiko Kabushiki Kaisha. Rolling bearing. 4,871,268, 10-3-89, Cl. 384-492.000.

Furumura, Kyozaburo, to Nippon Seiko Kabushiki Kaisha. Method of manufacturing a dynamic pressure type slide bearing. 4,875,263, 10-24-89, Cl. 29-149.50S.

Furumura, Yuji: *See—*

Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Itoh, Kikuo, 4,855,254, Cl. 437-100.000.

Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Watanabe, Takuya, 4,876,219, Cl. 437-126.000.

Furuno Electric Company Limited: *See—*

Minohara, Kiyomi; Sogabe, Satoshi; and Suzuki, Shinichiro, 4,884,522, Cl. 114-125.000.

Uchihashi, Syozo; Yamamoto, Isao; and Takeno, Kenji, 4,866,682, Cl. 367-153.000.

Furuno, Kenichi; Tooko, Yoshio; and Nonami, Takayuki, to Mitsubishi Denki Kabushiki Kaisha. Road navigation system. 4,819,174, 4-4-89, Cl. 364-444.000.

Furusaki, Keizo; Nasu, Mineji; Matsuura, Toshitaka; Takami, Akio; and Okawa, Teppei, to NGK Spark Plug Co., Ltd. Thick-film gas-sensitive element. 4,857,275, 8-15-89, Cl. 422-98.000.

Furusawa, Eiichi: *See—*

Moore, Richard E.; Furusawa, Eiichi; Norton, Ted R.; Patterson, Gregory M. L.; and Mynderse, Jon S., 4,863,955, Cl. 514-450.000.

Furusawa, Genichi: *See—*

Hirose, Takeshi; Furutachi, Nobuo; Aoki, Kozo; Nakazyo, Kiyoshi; and Furusawa, Genichi, 4,840,878, Cl. 430-380.000.

Ishikawa, Takatoshi; Furusawa, Genichi; and Hirose, Takeshi, 4,830,948, Cl. 430-372.000.

Furusawa, Hirofumi: *See—*

Yagi, Shigeaki; and Furusawa, Hirofumi, 4,813,782, Cl. 356-357.000.

Furusawa, Kaoru: *See—*

Uchiyama, Futoshi; Tsukamoto, Koichi; Kurashige, Tomoyoshi; Furusawa, Kaoru; and Koike, Mitsumaro, 4,836,417, Cl. 222-63.000.

Furusawa, Masao: *See—*

Ototake, Satoshi; Matsunaga, Ryozo; and Furusawa, Masao, 4,841,034, Cl. 534-701.000.

Furusawa, Shiro: *See—*

Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.

Furusawa, Tadao; Mitsuyuki, Hiroshi; Sato, Hironobu; Tatsuno, Yujiro; and Matsuoka, Shigeru, to Hitachi, Ltd. Word processor with selective placement of printhead for printing of newly input print data after interruption of printing. 4,858,171, 8-15-89, Cl. 364-900.000.

Furusawa, Takashi: *See—*

Takeuji, Koichi; and Furusawa, Takashi, 4,812,617, Cl. 219-10.55R.

Furuse, Akio, to Kabushiki Kaisha Kosumo Keiki. Leakage test equipment. 4,811,252, 3-7-89, Cl. 364-556.000.

Furuse, Akio, to Kubushiki Kaisha Kosumo Keiki. Volume measuring apparatus and method. 4,888,718, 12-19-89, Cl. 364-564.000.

Furuse, Kazuo: *See—*

Minagawa, Kenichiro; Furuse, Kazuo; Tanizaki, Yoshiharu; and Okabe, Heihachiro, 4,828,735, Cl. 252-49.300.

Furuse, Masayasu: *See—*

Fujioka, Keiji; Sato, Shigeji; Sasaki, Yoshio; Miyata, Teruo; Furuse, Masayasu; and Naito, Hiromi, 4,849,141, Cl. 264-207.000.

Namiki, Tetsuro; Furuse, Masayasu; Kuroyanagi, Yoshimitsu; Miyata, Teruo; and Suzuki, Takashi, 4,840,937, Cl. 514-21.000.

Noishiki, Yasuharu; Kodaira, Kazuhiko; Furuse, Masayasu; and Miyata, Teruo, 4,806,595, Cl. 525-54.200.

Furushima, Kiyoshi; Haratoh, Kazunori; and Matsuo, Hideshige, to Hitachi Metals, Ltd. Protective tube for thermocouple and method of producing same. 4,796,671, 1-10-89, Cl. 138-140.000.

Furushima, Masakazu: *See—*

Suzuki, Akinori; Be Hyeon, Suong; Kajita, Toshio; Furushima, Masakazu; and Tanaka, Akinori, 4,799,950, Cl. 71-89.000.

Suzuki, Akinori; Kajita, Toshio; and Furushima, Masakazu, 4,877,447, Cl. 71-103.000.

Furushima, Tokihito: *See—*

Hirata, Keiiti; Morimoto, Yoshinari; Ban, Tomohiro; Furushima, Tokihito; Miura, Tomoko; and Ikeda, Yoshie, 4,839,827, Cl. 364-518.000.

Furusho, Noboru: *See—*

Hattori, Yoshimasa; and Furusho, Noboru, 4,871,636, Cl. 430-77.000.

Hattori, Yoshimasa; and Furusho, Noboru, 4,882,255, Cl. 430-73.000.

Kuroda, Masami; Nakamura, Yoichi; and Furusho, Noboru, 4,861,691, Cl. 430-59.000.

Kuroda, Masami; Nakamura, Yoichi; and Furusho, Noboru, 4,861,692, Cl. 430-59.000.

Kuroda, Masami; Hattori, Yoshimasa; Furusho, Noboru; and Sugata, Yoshinobu, 4,877,703, Cl. 430-76.000.
Furusho, Takao: *See*—
Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, 4,820,689, Cl. 514-8.000.
Furuta, Akihiko: *See*—
Watanabe, Tsutomu; and Furuta, Akihiko, 4,877,497, Cl. 204-55.100.
Furuta, Akihiro; Hanabata, Makoto; Yasui, Seimei; Hiroaki, Osamu; and Jinno, Naoyoshi, to Sumitomo Chemical Company, Limited. Positive type high gamma-value photoresist composition with novolak resin possessing. 4,863,829, 9-5-89, Cl. 430-192.000.
Furuta, Akihiro: *See*—
Oi, Fumio; Osaki, Haruyoshi; Furuta, Akihiro; Uemura, Yukikazu; Ninomiya, Takao; Uetani, Yasunori; and Hanabata, Makoto, 4,812,551, Cl. 528-129.000.
Furuta, Haruo: *See*—
Inoue, Yoshio; and Furuta, Haruo, 4,834,246, Cl. 206-631.000.
Furuta, Hideya; Sakai, Yoshihiro; Mamizuka, Mitsuru; and Fujieda, Fumitaka, to Ricoh Company, Ltd. Mechanism for driving photosensitive drums. 4,796,050, 1-3-89, Cl. 355-4.000.
Furuta, Kazumitsu: *See*—
Yamamura, Masaaki; Inokoshi, Junichi; Ito, Tetuo; Furuta, Kazumitsu; and Shimizu, Kazuo, 4,885,102, Cl. 252-8.800.
Furuta, Masamichi: *See*—
Murata, Kazuo; Togo, Shigeru; and Furuta, Masamichi, 4,817,748, Cl. 180-79.100.
Furuta, Seiya: *See*—
Iwai, Kenji; Furuta, Seiya; Takigawa, Hiroshi; and Kawai, Nobuyasu, 4,825,522, Cl. 29-156.80R.
Furuta, Tomiyoshi: *See*—
Tanaka, Toru; Furuta, Tomiyoshi; and Suwa, Kazue, 4,824,992, Cl. 562-416.000.
Furuta, Yoshiki: *See*—
Fukuda, Nobutoshi; Tanabe, Masashi; Furuta, Yoshiki; Nagao, Tatsuro; Arifuku, Naoto; and Yamamisaka, Shinichi, 4,839,584, Cl. 324-103.00P.
Fukuda, Nobutoshi; Nagao, Tatsuro; Arifuku, Naoto; Tanabe, Masashi; Yamamisaka, Shinichi; and Furuta, Yoshiki, 4,860,129, Cl. 360-61.000.
Furuta, Youichi; Ando, Masamoto; Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Anti-skid apparatus for an automotive vehicle. 4,838,621, 6-13-89, Cl. 303-115.000.
Furutachi, Nobuo; Kawagishi, Toshio; and Nakazyo, Kiyoshi, to Fuji Photo Film Co., Ltd. Silver halide color photographic light-sensitive materials containing a pyrazoloazole magenta coupler. 4,822,730, 4-18-89, Cl. 430-558.000.
Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, to Fuji Photo Film Co., Ltd. Silver halide color photographic materials containing novel magenta coupler. 4,865,963, 9-12-89, Cl. 430-558.000.
Furutachi, Nobuo: *See*—
Hirose, Takeshi; Furutachi, Nobuo; Aoki, Kozo; Nakazyo, Kiyoshi; and Furusawa, Genichi, 4,840,878, Cl. 430-380.000.
Hirose, Takeshi; Ogawa, Tadashi; and Furutachi, Nobuo, 4,857,444, Cl. 430-505.000.
Furutani, Katsumi: *See*—
Kimata, Kei; Yamamoto, Ken; Yasui, Makoto; and Furutani, Katsumi, 4,863,417, Cl. 474-101.000.
Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device. 4,817,056, 3-28-89, Cl. 365-200.000.
Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device. 4,849,938, 7-18-89, Cl. 371-10.000.
Furutani, Kiyohiro; and Arimoto, Kazutami, to Mitsubishi Denki Kabushiki Kaisha. Preamplification method and apparatus for dram sense amplifiers. 4,858,193, 8-15-89, Cl. 365-203.000.
Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Random access memory device operable in a normal mode and in a test mode. 4,873,669, 10-10-89, Cl. 365-189.010.
Furutani, Kiyohiro: *See*—
Arimoto, Kazutami; and Furutani, Kiyohiro, 4,829,484, Cl. 365-222.000.
Arimoto, Kazutami; and Furutani, Kiyohiro, 4,860,070, Cl. 357-23.600.
Mashiko, Koichiro; Arimoto, Kazutami; Furutani, Kiyohiro; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,833,653, Cl. 365-203.000.
Matsuda, Yoshio; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Furutani, Kiyohiro, 4,833,518, Cl. 357-45.000.
Matsumoto, Noriaki; Mashiko, Koichiro; Arimoto, Kazutami; Furutani, Kiyohiro; and Matsuda, Yoshio, 4,797,001, Cl. 365-189.000.
Furutani, Shigeki; Kanazawa, Hirotaka; Takatani, Teruhiko; and Masumoto, Hideharu, to Mazda Motor Corporation. Four-wheel steering device for vehicle. 4,828,064, 5-9-89, Cl. 180-140.000.

Furutani, Shigeki: *See*—
Kanazawa, Hirotaka; Kawasaki, Shunsuke; Furutani, Shigeki; and Miyoshi, Akihiko, 4,805,939, Cl. 280-91.000.
Furutani, Yasumasa: *See*—
Honda, Takashi; Furutani, Yasumasa; Ohashi, Kenya; Kashimura, Eiji; Minato, Akira; Ohsumi, Katsumi; and Itou, Hisao, 4,828,790, Cl. 376-306.000.
Itoh, Masahiko; Midorikawa, Heihatiro; Furutani, Yasumasa; and Aizawa, Michihiko, 4,857,222, Cl. 252-69.000.
Ohashi, Kenya; Honda, Takashi; Furutani, Yasumasa; Kashimura, Eizi; Minato, Akira; and Ohsumi, Katsumi, 4,820,473, Cl. 376-305.000.
Furutani, Yoshifumi: *See*—
Sugimori, Teruhiko; Furutani, Yoshifumi; Shiraishi, Yoshinobu; and Yasunaga, Toshiyuki, 4,831,069, Cl. 524-232.000.
Furutani, Yoshio; Tomioka, Noboru; Honjo, Masaru; Manabe, Kazuaki; and Shimada, Hiroaki, to Agency of Industrial Science and Technology; and Ministry of International Trade & Industry. DNA base sequence, method for preparing a recombinant plasmid including the DNA base sequence, and breeding method for enhancing the protein-secreting ability of a microorganism by introducing thereinto the recombinant plasmid. 4,824,782, 4-25-89, Cl. 435-172.300.
Furutera, Masaharu: *See*—
Furukawa, Tetsuro; Yoshikawa, Kensuke; Mizuuchi, Mitsuru; Furutera, Masaharu; Sakabata, Nobuharu; Matsushita, Yoshiaki; Muto, Tomoyoshi; and Umeda, Tatsuhiko, 4,805,419, Cl. 62-476.000.
Furuto, Yuuji: *See*—
Koshiba, Mitsunobu; Yamada, Keiichi; Harita, Yoshiyuki; Kawamura, Shin'ichi; and Furuto, Yuuji, 4,886,565, Cl. 156-345.000.
Furuuchi, Toshiharu; Nagano, Makoto; and Tsuji, Yoshiaki, to Central Glass Company Limited. Multilayer foam glass with dense glass surface layer and method of producing same. 4,833,015, 5-23-89, Cl. 428-309.900.
Furuuchi, Toshiharu, to Central Glass Company, Limited. Decorative foamed glass with dense glass surface layer and method of producing same. 4,879,159, 11-7-89, Cl. 428-161.000.
Furuya, Akihiko; Kanamaru, Kouiti; and Inoue, Junichi, to Kabushiki Kaisha Toshiba; and Toshiba Computer Engineering Corporation. Cache system adopting an LRU system, and magnetic disk controller incorporating it. 4,835,686, 5-30-89, Cl. 364-200.000.
Furuya, Akira, to Canon Kabushiki Kaisha. Process for producing rollers equipped with a rubber layer. 4,880,590, 11-14-89, Cl. 264-275.000.
Furuya, Hirohide: *See*—
Iwasa, Hiroki; Watanabe, Toyofumi; and Furuya, Hirohide, 4,875,984, Cl. 204-56.100.
Furuya, Hiromi; and Iiyama, Kiyotaka, to Ricoh Company, Ltd. Thermosensitive recording material. 4,845,072, 7-4-89, Cl. 503-209.000.
Furuya, Hiroyuki: *See*—
Kadowaki, Satoshi; and Furuya, Hiroyuki, 4,813,587, Cl. 228-4.100.
Furuya, Kaname: *See*—
Shimojo, Tetsuji; Harada, Mineo; Tanaka, Hideyo; and Furuya, Kaname, 4,822,188, Cl. 400-124.000.
Furuya, Katsuji, to Kabushiki Kaisha Tsuchiya Seisakusho. Gas flow rate control system for internal combustion engine. 4,856,487, 8-15-89, Cl. 123-574.000.
Furuya, Kenji: *See*—
Matuda, Shinichi; Furuya, Kenji; and Kubo, Tetsuo, 4,837,473, Cl. 310-237.000.
Furuya, Koichi: *See*—
Iida, Yasunobu; Yanai, Toshiharu; and Furuya, Koichi, 4,869,94 Cl. 428-216.000.
Furuya, Kunitaka; and Shibahata, Yasuji, to Honda Giken Kogyo Kabushiki Kaisha. Drive force distribution control system for four-wheel drive motor vehicle. 4,889,204, 12-26-89, Cl. 180-197.000.
Furuya, Kunitaka: *See*—
Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, 4,878,566, Cl. 192-13.00R.
Furuya, Masakazu: *See*—
Furuhashi, Koshi; Miyazaki, Satoshi; Furuya, Masakazu; Kawatobi, Tatsuo; Kouyama, Sinichi; and Kashio, Jiro, 4,875,208, Cl. 370-94.100.
Furuya, Masami: *See*—
Matsuo, Mamoru; and Furuya, Masami, 4,836,863, Cl. 148-2.000.
Furuya, Masato: *See*—
Takanashi, Itsuo; Nakagaki, Shintaro; Iwahara, Makoto; Shinonaga, Hirohiko; Furuya, Masato; and Asakura, Tsutou, 4,831,452, Cl. 358-213.140.
Takanashi, Itsuo; Nakagaki, Shintaro; Shinonaga, Hirohiko; Asakura, Tsutou; and Furuya, Masato, 4,890,124, Cl. 346-160.000.
Furuya, Masayuki: *See*—
Miura, Tohru; Watanabe, Katsuju; Nakayama, Hitoshi; Furuya, Masayuki; and Nagata, Teruyuki, 4,851,590, Cl. 568-750.000.
Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya, Masayuki; and Nishida, Emiko, 4,873,374, Cl. 568-743.000.
Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya, Masayuki; and Nishida, Emiko, 4,877,907, Cl. 568-721.000.
Furuya, Nagakazu; and Motoo, Satoshi, to Furuya, Nagakazu; Motoo, Satoshi; and Tanaka Kikinzoku Kogyo K.K. Process for preparing materials for reaction layer of gas permeable electrode. 4,816,431, 3-28-89, Cl. 502-101.000.

Furuya, Nagakazu, to Furuya, Nagakazu; and Tanaka Kikinzoku Kogyo K.K. Gas sensor. 4,882,031, 11-21-89, Cl. 204-415.000.
Furuya, Nobuaki: *See*—
Fukukita, Hiroshi; Ueno, Shinichiro; Yano, Tsutomu; and Furuya, Nobuaki, 4,844,082, Cl. 128-660.060.
Watanabe, Yoshio; Nakayama, Yasuhiko; Furuya, Nobuaki; and Miyama, Hiroshi, 4,796,134, Cl. 360-125.000.
Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, to Fuji Xerox Co., Ltd. Latent image color developing system. 4,833,505, 5-23-89, Cl. 355-326.000.
Furuya, Osamu; and Taguchi, Hiromi, to Nissan Motor Co., Ltd. Automatic transmission casing with servomotor and anchor pin installed in upper side of casing. 4,860,860, 8-29-89, Cl. 188-77.00R.
Furuya, Rikizo: *See*—
Okushima, Hiromi; Narimatsu, Akihiro; Kobayashi, Makio; Furuya, Rikizo; and Kitada, Yoshimi, 4,822,797, Cl. 514-252.000.
Furuya, Sadao: *See*—
Yasuda, Hiroshi; Furuya, Sadao; Hoshihara, Naoto; Yamaguchi, Takashi; Takahashi, Katsuhiro; and Ishii, Teruaki, 4,805,277, Cl. 29-2.000.
Furuya, Shuichi: *See*—
Onodera, Kagetoshi; Koizumi, Tatsuya; Kato, Toshiyuki; Sotani, Junji; Momo, Masauki; and Furuya, Shuichi, 4,873,127, Cl. 427-376.800.
Furuya, Shuji: *See*—
Kobayashi, Masahiro; Matsushita, Akitake; Nakamura, Hitoshi; Tanaka, Shinji; and Furuya, Shuji, 4,796,653, Cl. 137-341.000.
Furuya, Takashi: *See*—
Sakakibara, Shiro; Miyaishi, Yoshinori; and Furuya, Takashi, 4,838,844, Cl. 474-240.000.
Furuya, Takeo: *See*—
Kobayashi, Kyoji; Kaneko, Noboru; Konishi, Kiyoshi; and Furuya, Takeo, 4,865,151, Cl. 180-179.000.
Furuya, Tamio; Tazaki, Yuichi; Kinugasa, Toshiyuki; Ishige, Yoshiki; and Tsuchimoto, Yuichi, to Honda Giken Kogyo Kabushiki Kaisha. Method of manufacturing an electrocast shell having permeability. 4,841,618, 6-27-89, Cl. 29-423.000.
Furuya, Tomiaki: *See*—
Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, 4,857,499, Cl. 502-326.000.
Furuya, Toshihiro: *See*—
Kato, Makoto; Homma, Koichi; Komura, Fuminobu; and Furuya, Toshihiro, 4,803,358, Cl. 250-310.000.
Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, 4,835,385, Cl. 250-310.000.
Momose, Kaoru; Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, 4,817,178, Cl. 382-46.000.
Furuya, Tsuneo: *See*—
Hori, Katsuya; and Furuya, Tsuneo, 4,800,515, Cl. 364-746.100.
Furuya, Yonezo: *See*—
Hayashi, Yukichi; Furuya, Yonezo; Fukuda, Ichiroh; Akagawa, Masaki; and Kobayashi, Osamu, 4,850,469, Cl. 194-318.000.
Furuya, Yonezou: *See*—
Kobayashi, Osamu; Sugimoto, Osamu; Furuya, Yonezou; Ishida, Takeshi; Tanaka, Masanori; and Ishii, Jun, 4,881,630, Cl. 194-203.000.
Kobayashi, Osamu; Furuya, Yonezou; Isida, Takeshi; and Mikami, Mitsugu, 4,883,158, Cl. 194-217.000.
Furuya, Yukitsuna; and Akashi, Fumio, to NEC Corporation. Repeat request signal transmission method for multi-station packet communication. 4,882,767, 12-19-89, Cl. 370-95.200.
Furuyama, Hideto; and Kurobe, Atsushi, to Kabushiki Kaisha Toshiba. Method of manufacturing an embedded type semiconductor laser. 4,810,670, 3-7-89, Cl. 437-129.000.
Furuyama, Hideto: *See*—
Kinoshita, Junichi; Morinaga, Motoyasu; Furuyama, Hideto; and Hirayama, Yuzo, 4,870,468, Cl. 357-17.000.
Morinaga, Motoyasu; Furuyama, Hideto; Nakamura, Masaru; Suzuki, Nobuo; Hirayama, Yuzo; and Okuda, Hajime, 4,862,474, Cl. 372-50.000.
Suzuki, Nobuo; Morinaga, Motoyasu; Furuyama, Hideto; Hirayama, Yuzo; Okuda, Hajime; Nakamura, Masaru; and Motegi, Nawoto 4,858,241, Cl. 372-46.000.
Furuyama, Hiroaki, to Teac Corporation. Method and apparatus for automatically searching desired track position or recording region on information recording medium. 4,847,708, 7-11-89, Cl. 369-32.000.
Furuyama, Hiroyuki: *See*—
Tsunoda, Kazuhiko; Furuyama, Hiroyuki; Asakura, Toshimitsu; and Tagami, Tomoyuki, 4,805,716, Cl. 180-219.000.
Furuyama, Masaaki, to Fuji Jukogyo Kabushiki Kaisha. System for detecting abnormality of a combustion engine. 4,850,324, 7-25-89, Cl. 123-479.000.
Furuyama, Masaaki, to Fuji Jukogyo Kabushiki Kaisha. Engine start control apparatus. 4,873,950, 10-17-89, Cl. 123-179.00B.
Furuyama, Masayoshi: *See*—
Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, 4,851,741, Cl. 315-382.000.
Furuyama, Shizuo, to Matsushita Electric Industrial Co., Ltd. Magnetic recording medium. 4,818,608, 4-4-89, Cl. 428-327.000.
Furuyama, Tateki: *See*—
Atomori, Seiichi; Inagaki, Teruo; Furuyama, Tateki; and Kamiya, Akira, 4,839,410, Cl. 524-281.000.

Furuyama, Tohru, to Kabushiki Kaisha Toshiba. Semiconductor memory. 4,841,483, 6-20-89, Cl. 365-189.070.
Furuyama, Tohru: *See*—
Watanabe, Yohji; and Furuyama, Tohru, 4,833,341, Cl. 307-296.100.
Furuyoshi, Shigeo; and Tani, Nobutaka, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Lipoprotein adsorbent and apparatus for removing lipoproteins using the same. 4,814,077, 3-21-89, Cl. 210-266.000.
Fury, Tommy J. Beach submarine. 4,841,896, 6-27-89, Cl. 114-312.000.
Furzer, Roy G. R.: *See*—
Martin, Paul H.; Martin, John C.; and Furzer, Roy G. R., 4,825,909, Cl. 137-879.000.
Martin, Paul H.; Martin, John C., and Furzer, Roy G. R., 4,865,079, Cl. 137-879.000.
Fusaro, Angelo; and Galeazzi, Giancarlo. Device for the elevated positioning of automobiles. 4,804,066, 2-14-89, Cl. 187-8.710.
Fusaro, William A.; and Andrade, Gabriel T. Method of playing a board game. 4,824,118, 4-25-89, Cl. 273-256.000.
Fusco, Angelo: *See*—
Dziura, Walter H.; Fusco, Angelo; and Khosravi, Parviz, 4,882,824, Cl. 29-33.200.
Fusco, Mark E.: *See*—
Harte, Francis A.; and Fusco, Mark E., 4,833,799, Cl. 37-231.000.
Fuse, Genshu; Hirao, Takashi; and Ohzone, Takashi, to Matsushita Electric Industrial Co., Ltd. Method of doping impurities into sidewall of trench by use of plasma source. 4,861,729, 8-29-89, Cl. 437-18.000.
Fuse, Genzo; Miwa, Hiroshi; and Kawasaki, Yoshinobu, to Honda Giken Kogyo Kabushiki Kaisha. Robot apparatus. 4,875,823, 10-24-89, Cl. 414-735.000.
Fuse, Genzo: *See*—
Hamada, Akio; Tsujii, Gen; Fuse, Genzo; and Kondo, Masahide, 4,841,113, Cl. 219-110.000.
Fuse, Kazuo: *See*—
Ikebuchi, Iwao; Nakano, Mamoru; Fuse, Kazuo; and Ganze, Akira, 4,872,973, Cl. 209-144.000.
Fuse, Kazuyoshi: *See*—
Ohta, Toshihiko; Fuse, Kazuyoshi; Ohmi, Kunio; Sato, Toshiaki; and Shinozaki, Masayuki, 4,818,853, Cl. 235-492.000.
Fuse, Kenichi: *See*—
Hikami, Toshiya; Yoshida, Koji; Obara, Yuichi; and Fuse, Kenichi, 4,846,729, Cl. 439-161.000.
Obara, Yuichi; Fuse, Kenichi; Onuma, Yoshihiro; Toya, Takao; and Chiba, Kazuo, 4,836,636, Cl. 350-96.200.
Fuse, Masashi, to Alps Electric Co., Ltd. LED array head. 4,820,013, 4-11-89, Cl. 350-96.270.
Fuse, Masashi, to Alps Electric Co., Ltd. Improved printer enabling concurrent writing, transferring, and fixing operations on the same sheet of recording material. 4,845,519, 7-4-89, Cl. 346-153.100.
Fuse, Masashi: *See*—
Yoritomo, Makoto; Fuse, Masashi; and Murata, Shinji, 4,827,290, Cl. 346-107.00R.
Fuse, Motomasa: *See*—
Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.
Fuse, Takahiro; and Yamagishi, Koji, to Casio Computer Co., Ltd. Structure of multiplex-type liquid crystal image display apparatus, and control circuit therefor. 4,878,047, 10-31-89, Cl. 340-784.000.
Fuse, Tomeo: *See*—
Kawamura, Sadao; Iwashita, Kanau; Fuse, Tomeo; Kawahara, Shuichi; Sataka, Naoyuki; and Ito, Hidekuni, 4,834,223, Cl. 188-282.000.
Fuse, Toshikazu: *See*—
Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
Fuse, Tsuneaki, to Kabushiki Kaisha Toshiba. Dynamic random access semiconductor memory wherein the RAS and CAS strobes respectively select the bit line and word line pairs. 4,831,597, 5-16-89, Cl. 365-233.000.
Fused Kontacts of Chicago: *See*—
Chapman, Dwain R., deceased, 4,824,922, Cl. 526-279.000.
Fuser, Anacleto. Sunshade-holder for deck chairs and baby carriages. 4,809,724, 3-7-89, Cl. 135-16.000.
Fuseya, Yoshihiko: *See*—
Tackikawa, Toru; and Fuseya, Yoshihiko, 4,871,558, Cl. 426-99.000.
Fushiki, Tatsuo: *See*—
Tamaru, Takuya; and Fushiki, Tatsuo, 4,866,690, Cl. 369-45.000.
Fushiki, Yasuo; Isshiki, Minoru; Nakano, Hiroshi; Oizumi, Masayuki; Shimomura, Masayoshi; and Imajo, Keiji, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Glass fiber-reinforced electrical laminates and a continuous production method therefor. 4,803,115, 2-7-89, Cl. 428-285.000.
Fushimi, Hiroyuki: *See*—
Nakayama, Nobuhiro; Asahina, Yasuo; Fushimi, Hiroyuki; and Iwamoto, Yasuaki, 4,841,331, Cl. 355-245.000.
Fushimi, Ikuo; and Sakuragi, Takamasa, to Canon Kabushiki Kaisha. Lateral transistor. 4,807,009, 2-21-89, Cl. 357-35.000.
Fushimi, Kazuo: *See*—
Fujii, Toshinobu; Ando, Yasuo; and Fushimi, Kazuo, 4,824,743, Cl. 429-101.000.

Fushimi, Kimio: *See—*
Okamoto, Hiroshi; Fushimi, Kimio; and Suzuki, Susumu, 4,798,057, Cl. 62-228.300.
Fushimi, Satoru; Nakagawa, Yasuo; Kuni, Asahiro; Kubota, Hitoshi; and Koshishiba, Hiroya, to Hitachi, Ltd. Method and apparatus for detecting defect in circuit pattern of a mask for X-ray exposure. 4,814,615, 3-21-89, Cl. 250-311.000.
Fushimi, Shigeo: *See—*
Watanabe, Takaya; and Fushimi, Shigeo, 4,841,265, Cl. 333-194.000.
Fushimi, Takehiko: *See—*
Nakashima, Hiroshi; Sakakibara, Naoji; and Fushimi, Takehiko, 4,881,611, Cl. 180-79.100.
Fushiya, Fusao; Inoue, Nobuhiro; and Tsuge, Kazunori, to Makita Electric Works, Ltd. Safety cover for miter saw. 4,805,504, 2-21-89, Cl. 83-397.000.
Fushiya, Fusao, to Makita Electric Works, Ltd. Bolt tightening tool. 4,836,063, 6-6-89, Cl. 81-55.000.
Fushiya, Fusao; Yoshida, Kenji; and Naiton, Akira, to Makita Electric Works, Ltd. Brush holder assembly for electric motor. 4,851,730, 7-25-89, Cl. 310-249.000.
Fushiya, Fusao, to Makita Electric Works, Ltd. Portable circular saw. 4,870,758, 10-3-89, Cl. 30-388.000.
Fusinski, Richard E. Noise rejection antenna system for nonmetallic marine vessels. 4,827,275, 5-2-89, Cl. 343-726.000.
Fusion Plastics Limited: *See—*
Bridgstock, Eric; Glaves, Brian; Kenworthy, David M. A.; and Bilton, David A., 4,795,877, Cl. 219-109.000.
Kenworthy, David M. A.; Bridgstock, Eric; and Dunkey, Edwin A. W., 4,797,993, Cl. 29-613.000.
Fusion Systems Corporation: *See—*
Cicci, Thomas, 4,836,102, Cl. 101-41.000.
Hill, James D., 4,812,957, Cl. 362-263.000.
Simpson, James E.; Kamarehi, Mohammed; and Ury, Michael G., 4,887,192, Cl. 362-265.000.
Ury, Michael G.; and Wood, Charles H., 4,859,906, Cl. 313-639.000.
Ury, Michael G.; and Jones, William J., 4,868,509, Cl. 324-547.000.
Ury, Michael G.; Matthews, John C.; and Rounds, Stuart N., 4,885,047, Cl. 156-345.000.
Wood, Charles H., 4,887,008, Cl. 315-39.000
Fuss, Andreas: *See—*
Koch, Volker; Fuss, Andreas; Bonin, Werner; Knauf, Werner; and Waltersdorfer, Anna, 4,855,309, Cl. 514-346.000.
Fuss, Fritz H., to Fritz Fuss KG. Electric door opener. 4,815,776, 3-28-89, Cl. 292-341.160.
Fuss, Fritz H., to Fritz Fuss KG. Electric door opener. 4,838,591, 6-13-89, Cl. 292-341.160.
Fuss, Gunter G., to Free Flow Packaging Corporation. Air conveyor dispensing and recycling system. 4,799,830, 1-24-89, Cl. 406-117.000.
Fuss, Gunter G., to Free Flow Packaging Corporation. Dispensing device. 4 844,291, 7-4-89, Cl. 222-470.000.
Fuss, Peter: *See—*
Eidenschink, Rudolf; Krause, Joachim; and Fuss, Peter, 4,818,431, Cl. 252-299.610.
Fussell, John P.: *See—*
Ide, John D.; Fussell, John P.; and Rogers, Aaron S., 4,868,891, Cl. 455-166.000.
Fussl, Erwin, to Maerz Ofenbau AG. Method and apparatus calcining mineral raw materials utilizing solid fuel. 4,810,190, 3-7-89, Cl. 432-95.000.
Fussler, Philippe: *See—*
Baloga, Mark A.; Trimborn, Edmond; and Fussler, Philippe, 4,856,242, Cl. 52-239.000.
Fussnegger, Wolfgang; Rieth, Egon; Koucky, Antonin; and Hector, Bernd, to Daimler-Benz Aktiengesellschaft. Motor car seat guide rail support system. 4,842,318, 6-27-89, Cl. 296-65.100.
Fust, Peter: *See—*
Bartschi, Peter; and Fust, Peter, 4,842,213, Cl. 242-125.100.
Futaba Corporation: *See—*
Teshigawara, Toru; Terao, Kazuo; Watanabe, Hiroshi; and Shimizu, Yukihiko, 4,803,565, Cl. 358-300.000.
Futaba Denshi Kogyo K.K.: *See—*
Ikuta, Yoichi, 4,845,407, Cl. 315-169.000.
Futaba Denshi Kogyo Kabushiki Kaisha: *See—*
Kishino, Takao; and Mizohata, Tadashi, 4,841,194, Cl. 313-496.000.
Morimoto, Kiyoshi; Watanabe, Hiroshi; Itoh, Shigeo; Ogawa, Yukio; and Uzawa, Satoshi, 4,881,005, Cl. 313-422.000.
Shimizu, Yukihiko, 4,825,230, Cl. 346-108.000.
Tsuruoka, Yoshihisa, 4,881,017, Cl. 313-495.000.
Watanabe, Hiroshi; and Nagasawa, Satoshi, 4,868,555, Cl. 340-783.000.
Watanabe, Teruo; and Yamaura, Tatsuo, 4,835,445, Cl. 315-58.000.
Futaba, Takeshi; and Noguchi, Masahiko, to Koyo Jidoki Kabushiki Kaisha. Hydraulic pressure reaction device in a power steering device. 4,796,715, 1-10-89, Cl. 180-143.000.
Futagami, Masato: *See—*
Kitao, Teijiro; Yamaguchi, Tetsuhiko; Murofushi, Katsumi; Futagami, Masato; Nagato, Nobuyuki; and Imamura, Kunio, 4,833,256, Cl. 549-227.000.
Futagawa, Minoru: *See—*
Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, 4,819,395, Cl. 52-309.160.
Futakata, Takashi, to Tokyo Electric Co., Ltd. Electronic weighing machine. 4,852,676, 8-1-89, Cl. 177-245.000.
Futaki, Kenji, to Kabushiki Kaisha Toshiba. Image information-reading apparatus. 4,816,922, 3-28-89, Cl. 358-285.000.
Futamata, Shinichiro, to Kabushiki Kaisha Toshiba. Radiation-type diagnosis apparatus 4,883,960, 11-28-89, Cl. 250-327.200.
Futami, Shigeru, to Research Development Corporation; and Futami, Shigeru. Apparatus for controlling servo system employing piezo-electric actuator. 4,843,293, 6-27-89, Cl. 318-609.000.
Futami, Takashi: *See—*
Ichihara, Takeo; Futami, Takashi; Oda, Nobutaka; and Watanabe, Shuichi, 4,825,344, Cl. 362-80.000.
Futami, Toru, to Nissan Motor Company, Limited. System for transmitting and receiving data in a time-division multiplex mode applicable to a vehicle. 4,821,262, 4-11-89, Cl. 370-85.000.
Futami, Toru: *See—*
Sakagami, Atsushi; Futami, Toru; Abe, Noriyuki; and Suzuki, Tadashi, 4,799,218, Cl. 370-85.000.
Futami, Yukiko: *See—*
Hanyu, Yukio; and Futami, Yukiko, 4,879,059, Cl. 252-299.400.
Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, to Hitachi, Ltd.; and Hitachi Maxell Ltd. Magnetic recording medium. 4,840,844, 6-20-89, Cl. 428-336.000.
Futamura, Kenichiro: *See—*
Kawai, Kenichi; Fukuma, Nobuo; Matsui, Akira; Futamura, Kenichiro; Asada, Eizi; and Fukuoka, Tatsuhiko, 4,869,871, Cl. 420-559.000.
Futamura, Mitsushi: *See—*
Manable, Koichi; Naka, Mitsumura; and Futamura, Mitsushi, 4,882,042, Cl. 209-138.000.
Futamura, Shingo; and Bohm, Georg G. A., to Firestone Tire & Rubber Company, The. Bituminous composition comprising a blend of bitumen and a thermoplastic elastomer. 4,835,199, 5-30-89, Cl. 524-66.000.
Futamura, Shoji; and Kurihara, Masaki, to Institute of Technology Precision Electrical Discharge Works. Electrical discharge machining apparatus with discharge current control. 4,800,248, 1-24-89, Cl. 219-69.00S.
Futamura, Shoji, to Institute of Technology Precision Electrical Discharge Works. Wire-cut electrical discharge machining equipment. 4,808,787, 2-28-89, Cl. 219-69.00W.
Futamura, Shoji: *See—*
Inoue, Satoru; and Futamura, Shoji, 4,820,146, Cl. 425-461.000.
Inoue, Satoru; and Futamura, Shoji, 4,830,598, Cl. 425-463.000.
Inoue, Satoru; and Futamura, Shoji, 4,875,264, Cl. 29-163.600.
Ozaki, Sei; Inoue, Satoru; and Futamura, Shoji, 4,883,420, Cl. 425-464.000.
Futamura, Yoshihiko: *See—*
Saito, Kazumasa; Maezawa, Hiroyuki; Kobayashi, Masakazu; and Futamura, Yoshihiko, 4,831,525, Cl. 364-300.000.
Futato, Steven P. Method and apparatus for transmitting digital data and real-time digitalized voice information over a communications channel. 4,813,040, 3-14-89, Cl. 370-111.000.
Futatsugi, Toshiro: *See—*
Ishii, Kazuaki; Futatsugi, Toshiro; Oshima, Toshio; Fujii, Toshio; Yokoyama, Naoki; and Shibatomi, Akihiro, 4,889,831, Cl. 437-184.000.
Oshima, Toshio; and Futatsugi, Toshiro, 4,868,612, Cl. 357-4.000.
Futatsuishi, Shun-ichi: *See—*
Tsuji, Katsuya; and Futatsuishi, Shun-ichi, 4,847,531, Cl. 313-318.000.
Futatsuka, Rensei; Chiba, Synu-ichi; and Sakakibara, Tadao, to Mitsubishi Shindoh Co., Ltd. Copper alloy lead frame material for semiconductor devices. 4,877,577, 10-31-89, Cl. 420-473.000.
Futatsumori, Koji: *See—*
Itoh, Kunio; Shiobara, Toshio; Futatsumori, Koji; Tomiyoshi, Kazutoshi; and Shimizu, Hisashi, 4,877,822, Cl. 523-433.000.
Futatsuya, Fumio: *See—*
Marumo, Shingo; Katayama, Masato; Futatsuya, Fumio; and Saito, Mikio, 4,806,143, Cl. 71-96.000.
Futch, John E.; and Corbett, James J., to Rid Gid Products. Bed planter. 4,809,460, 3-7-89, Cl. 47-33.000.
Futch Jr., Laurence E.: *See—*
Hayes, Michael E.; Hrebenar, Kevin R.; Murphy, Patricia L.; Futch Jr., Laurence E.; Deal III, James F.; and Bolden Jr., Paul L., 4,821,757, Cl. 137-13.000.
Futhey, John A.; Isaacson, William B.; and Neby, Ricky L., to Minnesota Mining and Manufacturing Company. Multifocal diffractive lens. 4,830,481, 5-16-89, Cl. 351-161.000.
Futikami, Takamasa: *See—*
Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hirose, Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, Cl. 71-88.000.
Futonair Quebec, Inc.: *See—*
Tremblay, Gilles, 4,875,244, Cl. 5-37.00R.
Futrell, James C., II, to United States of America, Interior. Fiber optic current meter with plastic bucket wheel. 4,840,062, 6-20-89, Cl. 73-170.00A.
Futrell, James C., II, to United States of America, Interior. Lightweight wading rod for stream flow measurements. 4,854,166, 8-8-89, Cl. 73-170.00A.
Futrell, James C., II, to United States of America, Interior. Bucket wheel assembly for a flow measuring device. 4,866,985, 9-19-89, Cl. 73-170.00A.
Futrex, Inc.: *See—*
Rosenthal, Robert D., 4,798,955, Cl. 250-341.000.
Rosenthal, Robert D., 4,850.365, Cl. 128-664.000.
Futsuhara, Koichi: *See—*
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Futsuki, Atsunori: *See—*
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Sanchez, Hernando; Franczak, Richard M.; and Futter, Menachem, 4,883,197, Cl. 221-26.000.
Futura Coatings, Inc.: *See—*
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Future Fire Suppression, Inc.: *See—*
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Future Power Inc.: *See—*
Newbold, Vernon D., 4,836,149, Cl. 123-44.00R.
Futures Technology, Ltd.: *See—*
Wang, Douglas W., 4,814,996, Cl. 364-464.040.
Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masaru; Wada, Toshiaki; and Nakaoka, Junichi, to Citizen Watch Co., Ltd.; NEC Corporation; and Sumitomo Special Metals Co., Ltd. Arrangement for mechanically and accurately processing a workpiece with a position detecting pattern or patterns. 4,794,736, 1-3-89, Cl. 51-165.720.
Fuwa, Toru: *See—*
Miyoshi, Kenichi; and Fuwa, Toru, 4,820,812, Cl. 536-27.000.
Miyoshi, Kenichi; Suzuki, Masanori; and Fuwa, Toru, 4,849,336, Cl. 435-6.000.
Fuwa, Yoshiaki: *See—*
Nakanishi, Tsutomu; Kitajima, Akira; Fuwa, Yoshiaki; and Adachi, Yasaburo, 4,796,018, Cl. 340-691.000.
Fuwa, Yoshio: *See—*
Kaido, Masataka; and Fuwa, Yoshio, 4,847,166, Cl. 428-591.000.
Fusae, Zhang; Weitong, Zhu; and Xiufeng, Yang, to Beijing Information Technology Institute. Electric field therapeutic apparatus. 4,846,178, 7-11-89, Cl. 128-419.00F.
Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, to Hitachi, Ltd. Thin film EL element and process for producing the same. 4,857,802, 8-15-89, Cl. 313-506.000.
Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, to Hitachi, Ltd. Electroluminescent device and process for producing the same. 4,877,994, 10-31-89, Cl. 313-503.000.
Fuyama, Seiji; Mori, Tokio; Kodama, Mitsuhiro; Minato, Takashi; and Takaoka, Yasuhiro, to Matsushita Electric Industrial Co., Ltd. Cash register with a multi-window display. 4,843,547, 6-27-89, Cl. 364-405.000.
FWG Associates, Inc.: *See—*
Frost, Walter, 4,817,039, Cl. 364-420.000.
Fye, Donald M., to GTE Laboratories Incorporated. Method of making an external-coupled-cavity diode laser. 4,839,308, 6-13-89, Cl. 431-129.000.
Fye, Donald M., to GTE Laboratories Incorporated. Methods of and apparatus for generation of radio frequency signals. 4,840,456, 6-20-89, Cl. 350-162.170.
Fyfe, Edward R., to Freeflow Industrial Ltd. Idler rollers for belt conveyors. 4,830,179, 5-16-89, Cl. 198-825.000.
Fyfe, George: *See—*
Jones, Kenneth W.; and Fyfe, George, 4,858,707, Cl. 175-329.000.
Fyler, Donald C., to Charles Stark Draper Laboratory, Inc., The. Method and apparatus for manipulating and transporting limp material. 4,858,906, 8-22-89, Cl. 271-19.000.
Fypon, Inc.: *See—*
Poole, William E., 4,827,683, Cl. 52-316.00V.
Fymetics, Inc.: *See—*
Yung, Richard C. S., 4,867,259, Cl. 177-211.000.
Fyvie, Thomas J.: *See—*
Kosky, Philip G.; Silva, James M.; and Fyvie, Thomas J., 4,810,813, Cl. 558-281.000.
G A O Gesellschaft fur Automation und Organisation mbH: *See—*
Hoppe, Joachim, 4,843,225, Cl. 235-492.000.
G. A. Richards Company: *See—*
Mitchell, Terry L.; Sutton, Fredrick E.; and Sutton, Todd A., 4,889,396, Cl. 312-221.000.
G. B. Boucherie, naamloze vennootschap, Firma: *See—*
Boucherie, Leonel, 4,818,028, Cl. 300-10.000.
Boucherie, Leonel, 4 854,645, Cl. 300-10.000.
G.B.R. Enterprises: *See—*
Gasser, David A., 4,809,477, Cl. 52-410.000.
G.B.R. Ltd.: *See—*
Golicz, Roman M., 4,799,663, Cl. 271-199.000.
G & B Rubber Stamp Co., Inc.: *See—*
Swiech, Matthew J.; Munyon, Gary D.; and Dias, Kenneth J., 4,840,120, Cl. 101-228.000.
G-C Dental Industrial Corp.: *See—*
Hosoi, Toshio; and Watanabe, Kazuhiro, 4,851,146, Cl. 252-102.000.
Kamohara, Hiroshi; Hayashi, Shohei; and Ohi, Nobukazu, 4,814,011, Cl. 106-38.510.
Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, 4,804,690, Cl. 522-14.000.
Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, 4,820,744, Cl. 522-13.000.
Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, 4,843,110, Cl. 522-14.000.
Kyotani, Ikuo, 4,834,655, Cl. 433-166.000.
Nakazato, Ryoji, 4,873,269, Cl. 523-115.000.
Okuda, Reiichi; Komatsu, Masashi; Asanuma, Shin; and Hiratsuka, Noriko, 4,830,616, Cl. 433-217.100.
Takatsu, Toshio, 4,795,346, Cl. 433-215.000.
Takatsu, Toshio, 4,832,600, Cl. 433-164.000.
Takatsu, Toshio, 4,850,875, Cl. 433-226.000.
Tanaka, Hisatoshi; and Abiru, Masao, 4,838,789, Cl. 433-171.000.
Yamashita, Atsushi; and Kyotani, Ikuo, 4,820,387, Cl. 204-4.000.
Yamazaki, Noboru; Yamanaka, Akira; and Kurata, Shigeaki, 4,826,893, Cl. 523-115.000.
G-C Toshi Kogyo Corporation: *See—*
Ai, Minoru; Hiranuma, Kenji; Obana, Jinichi; and Ito, Toshio, 4,795,345, Cl. 433-202.100.
Hasegawa, Akira, 4,880,887, Cl. 526-141.000.
Ito, Toshio; Miwa, Takashi; and Yamagishi, Fujio, 4,797,096, Cl. 433-26.000.
G. D. Searle & Co.: *See—*
Adams, Steven P.; Feigen, Larry P.; and Miyano, Masateru, 4,857,508, Cl. 514-18.000.
Bovy, Philippe R.; Gillet, Claude; Lenaers, Albert; Niebes, Paul; Roba, Joseph; and Lambelin, Georges, 4,853,401, Cl. 514-389.000.
Brewer, Stephen J.; and Sassenfeld, Helmut M., 4,880,911, Cl. 530-351.000.
Burton, Earl G.; Chengelis, Christopher P.; and Walsh, Gerald M., 4,866,063, Cl. 514-258.000.
Campbell, Arthur L.; and Miyano, Masateru, 4,812,474, Cl. 514-460.000.
Chinn, Leland J.; Desai, Bipinchandra N.; and Mueller, Richard A., 4,801,611, Cl. 514-532.000.
Collins, Paul W.; and Gasiecki, Alan F., 4,820,728, Cl. 514-530.000.
Collins, Paul W.; and Gasiecki, Alan F., 4,847,293, Cl. 514-530.000.
Collins, Paul W.; and Gasiecki, Alan F., 4,863,961, Cl. 514-530.000.
Cordi, Alex A.; and Gorissen, Hugo J., 4,882,343, Cl. 514-341.000.
Cowling, Graham J., 4,845,196, Cl. 530-351.000.
Deason, James R.; Stealey, Michael A.; and Weier, Richard M., 4,808,729, Cl. 549-30.000.
Djuric, Stevan W.; Haack, Richard A.; and Yu, Stella S., 4,855,324, Cl. 514-570.000.
Djuric, Stevan W.; Shone, Robert L.; and Yu, Stella S. T., 4,889,871, Cl. 514-456.000.
Fleet, George W. J., 4,861,892, Cl. 546-219.000.
Gregory, Harold; and McCullagh, Keith G., 4,820,690, Cl. 514-12.000.
Hansen, Donald W., Jr.; Pitzele, Barnett S.; Clare, Michael; and Hamilton, Robert W., 4,822,775, Cl. 514-19.000.
Hansen, Donald W., Jr.; Hamilton, Robert W.; Pitzele, Barnett S.; and Clare, Michael, 4,847,241, Cl. 514-19.000.
Hansen, Donald W., Jr.; Pitzele, Barnett S.; Clare, Michael; and Hamilton, Robert W., 4,880,829, Cl. 514-445.000.
Hanson, Gunnar J.; and Baran, John S., 4,877,785, Cl. 514-224.200.
Koszyk, Francis J.; Partis, Richard A.; and Mueller, Richard A., 4,876,268, Cl. 514-425.000.
Manley, Paul W.; and Porter, Roderick A., 4,804,658, Cl. 514-234.200.
Manley, Paul W.; Porter, Roderick A.; and Lai, Mun F., 4,837,333, Cl. 548-341.000.
Masateru, Miyano; and Shone, Robert L., 4,812,584, Cl. 549-417.000.
Miyano, Masateru; and Deason, James R., 4,801,610, Cl. 514-512.000
Miyano, Masateru; Shone, Robert L.; and Sohn, Daniel D., 4,888,356, Cl. 514-456.000.
Mueller, Richard A.; and Partis, Richard A., 4,803,294, Cl. 560-54.000.
Mueller, Richard A.; and Partis, Richard A., 4,835,189, Cl. 514-618.000.
Mueller, Richard A.; and Partis, Richard A., 4,835,190, Cl. 514-706.000.
Mueller, Richard A.; and Partis, Richard A., 4,847,305, Cl. 514-706.000.
Mueller, Richard A., 4,857,558, Cl. 514-712.000.
Nugent, Frederic J.; and Yen, John K. C., 4,804,540, Cl. 424-457.000.
Pitzele, Barnett S.; Hansen, Donald W., Jr.; Hamilton, Robert W.; Pilipauskas, Daniel R.; and Clare, Michael, 4,797,470, Cl. 530-331.000.
Stealey, Michael A.; and Weier, Richard M., 4,870,098, Cl. 514-439.000.
G. D. Societa per Azioni: *See—*
Belvederi, Bruno, 4,848,371, Cl. 131-94.000.
Belvederi, Bruno, 4,865,055, Cl. 131-331.000.
Belvederi, Bruno, 4,883,076, Cl. 131-84.400.
Gamberini, Antonio; and Boriani, Silvano, 4,802,394, Cl. 83-346.000.
Gamberini, Antonio, 4,813,288, Cl. 73-865.800.
Gamberini, Antonio, 4,858,770, Cl. 209-535.000.
Gamberini, Antonio; and Vaccari, Giorgio, 4,865,679, Cl. 156-497.000.
Gamberini, Antonio; and Brizzi, Marco, 4,875,325, Cl. 53-137.000.
Gamberini, Antonio; and Draghetti, Fiorenzo, 4,883,163, Cl. 198-460.000.
Manservigi, Alberto; and Mattei, Riccardo, 4,823,536, Cl. 53-466.000.
Mattei, Riccardo; and Ghini, Franco, 4,875,493, Cl. 131-84.100.
Mattei, Riccardo, 4,883,074, Cl. 131-84.100.

  - Mattei, Riccardo; and Rizzoli, Salvatore, 4,883,075, Cl. 131-84.400.
  - Mattei, Riccardo; and Dall'Osso, Gastone, 4,887,408, Cl. 53-412.000.
  - Neri, Armando, 4,813,659, Cl. 271-10.000.
  - Neri, Armando, 4,858,626, Cl. 131-84.400.
  - Neri, Armando, 4,882,938, Cl. 73-863.910.
- G & D Whirlwind Inc.: *See—*
  - McMaster, Galen M.; and Sunderman, Donald W., 4,838,703, Cl. 366-169.000.
- G. Dietrich GmbH Spezialfabrik fur Burstenhalter u. Kunststoffteile: *See—*
  - Dietrich, Michael; and Dietrich, Wolfgang, 4,831,302, Cl. 310-242.000.
- G. & E. Engineering Ltd.: *See—*
  - Eilertsen, John L., 4,812,690, Cl. 310-27.000.
- G & E Jobst GmbH: *See—*
  - Jobst, Georg; and Jobst, Egon, 4,862,969, Cl. 172-45.000.
- G.E. Machine Tool Limited: *See—*
  - Sivalingam, Ramalingam, 4,800,780, Cl. 74-785.000.
  - Sivalingam, Ramalingam, 4,800,782, Cl. 74-785.000.
- G. G. B. Industries, Inc.: *See—*
  - Boll, Gregory G.; and Boll, Harry J., 4,871,964, Cl. 324-158.00F.
- G & G Intellectual Properties, Inc.: *See—*
  - Gearin, Peter; and Leech, Everett A., 4,797,049, Cl. 414-400.000.
- G.H.C., Inc.: *See—*
  - Hed, Virgil C., 4,805,255, Cl. 15-314.000.
- G & H Corporation of Connecticut, Inc.: *See—*
  - Grabowiecki, Robert J., 4,872,610, Cl. 232-17.000.
- G & H Montage: *See—*
  - Schwartz, Karl-Gunter, 4,875,312, Cl. 52-144.000.
- G & H Technology, Inc.: *See—*
  - Balyasny, Marik, 4,799,759, Cl. 350-96.210.
  - Clark, Thomas A.; and Brockway, James E., 4,866,222, Cl. 200-16.00E.
  - Dutcher, Clinton, 4,833,476, Cl. 342-351.000.
  - McCormick, Larry L.; and Clark, Thomas A., 4,828,512, Cl. 439-495.000.
  - Miller, John S.; and Van Brunt, Michael K., 4,804,917, Cl. 324-95.000.
  - Tang, Tian-Peng, 4,867,706, Cl. 439-620.000.
  - Van Brunt, Michael K.; and Miller, John S., 4,814,713, Cl. 324-539.000.
  - Van Brunt, Michael K.; Nicoletti, Robert J.; and Hager, Jeffrey J., 4,820,201, Cl. 439-610.000.
  - Walters, Gerald E.; Dutcher, Clinton H.; Tang, Tian-Peng; and Nurek, Jerry, 4,813,891, Cl. 439-620.000.
- G. Kromschroder Aktiengesellschaft: *See—*
  - Roese, Horst; Bertke, Heinrich; Bruggemann, Reinhard; and Hampel, Peter, 4,856,331, Cl. 73-268.000.
  - Rolker, Jurgen; Doerfler, Peter; Kleine, Volker; and Meyknecht, Johannes, 4,825,198, Cl. 340-605.000.
- G. LeBlanc Corporation: *See—*
  - Kume, Tadashi, 4,809,583, Cl. 84-453.000.
  - Ramirez, Lawrence; and Whiteside, Walter, 4,872,389, Cl. 84-387.00R.
- G. M. Holding Corp.: *See—*
  - Stites, George M., III, 4,797,949, Cl. 455-230.000.
- G. M. Pfaff Aktiengesellschaft: *See—*
  - Braun, Oskar, 4,867,084, Cl. 112-221.000.
  - Dobner, Reinhold, 4,841,415, Cl. 362-90.000.
- G.O.R. Applicazioni Speciali S.p.A.: *See—*
  - Martelli, Nerio, 4,863,667, Cl. 264-510.000.
- G-P Manufacturing Co., Inc.: *See—*
  - Price, Robert A., 4,877,268, Cl. 280-851.000.
- G. P. Reeves Inc.: *See—*
  - Reeves, Gordon P., 4,858,645, Cl. 137-551.000.
- G. Pruefer Mfg. Co.: *See—*
  - Scungio, Robert, 4,821,543, Cl. 70-456.00R.
- G. Rodenstock Instrumente GmbH: *See—*
  - Reis, Werner; and Cierlak, Siegfried, 4,850,687, Cl. 350-486.000.
  - Reis, Werner, 4,865,441, Cl. 351-214.000.
  - Reis, Werner, 4,884,884, Cl. 351-221.000.
  - Reis, Werner; and Bisle, Werner, 4,887,019, Cl. 350-6.100.
- G & S Metal Product Company, Inc.: *See—*
  - Spirk, John W.; Nottingham, John R.; and Kalman, Jeffrey M., 4,796,784, Cl. 222-80.000.
- G. Siempelkamp GmbH & Co.: *See—*
  - Averdick, Gunter; and Sandten, Herbert, 4,854,026, Cl. 29-157.30R.
  - Huydts, Eduard J. C., 4,825,659, Cl. 60-413.000.
  - Walter, Karl, 4,850,846, Cl. 425-337.000.
- G.T.I. du Gaianigo Umberto & Co., Inc.: *See—*
  - Gaianigo, Umberto, 4,799,644, Cl. 251-14.000.
- GA Technologies Inc.: *See—*
  - Bhadra, Dilip K.; Creedon, Richard L.; and Harder, C. Ross, 4,840,112, Cl. 91-459.000.
  - Gray, Paul B., 4,795,677, Cl. 428-246.000.
- Gaa, Peter C.; Hedden, Jerry C.; Motsinger, Donald L.; and Watkins, H. Kenyon, to PPG Industries, Inc. Treated glass fibers and aqueous dispersion and nonwoven mat of the glass fibers. 4,810,576, 3-7-89, Cl. 428-391.000.
- Gaab, Michael R.: *See—*
  - Ullrich, Georg J.; Pomorin, Karl-Heinz; Kronberg, Harald; Bramm, Gunter; Koschke, Peter; Novak, Pavel; and Gaab, Michael R., 4,805,634, Cl. 128-748.000.
- Gaal, Jozsef: *See—*
  - Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.
- Gaal, Sandor: *See—*
  - Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
- Gaalema, Steve D.; and Augustine, Frank L., to Hughes Aircraft Company. Infrared detector with integral feedback capacitance. 4,803,363, 2-7-89, Cl. 250-338.400.
- Gaasedelen, David J.: *See—*
  - Kieffer, Thomas M.; and Gaasedelen, David J., 4,858,162, Cl. 364-708.000.
- Gaastra Sails International Limited: *See—*
  - Magnan, Jeffrey J., 4,856,447, Cl. 114-103.000.
- GABA International AG: *See—*
  - Muhlemann, Hans R.; and Schmid, Hans, 4,828,822, Cl. 424-52.000.
- Gabald, Gregor: *See—*
  - Ruge, Joachim; Wey, Edmund; and Gabald, Gregor, 4,843,808, Cl. 57-264.000.
- Gabaldon, John B., to Hughes Aircraft Company. Compliant motion servo. 4,817,848, 4-4-89, Cl. 228-102.000.
- Gabara, Thaddeus J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Noise controlled output buffer. 4,823,029, 4-18-89, Cl. 307-443.000.
- Gabay, Amnon: *See—*
  - Yatsiv, Shaul; Gabay, Amnon; Brestel, Mordechai; and Blass, Judd, deceased, 4,847,852, Cl. 372-82.000.
- Gabbay, Emile: *See—*
  - Penato, Jean M.; Gabbay, Emile; and Debrouwer, Yves, 4,799,250, Cl. 378-144.000.
- Gabbay, Shlomo. Sternum closure device. 4,802,477, 2-7-89, Cl. 128-317.000.
- Gabbert, Harvey L. Garment hanging rack. 4,863,081, 9-5-89, Cl. 224-42.45A.
- Gabel, Edward R.; Surva, Ronald R.; Hanson, William J.; and Burke, Mary B., to Pierce Companies, Inc. Image permanence method. 4,869,921, 9-26-89, Cl. 427-14.100.
- Gabel, Jean P., to Manufacture des Outils Dumont S.A. Tweezers with automatic opening and closing. 4,802,703, 2-7-89, Cl. 294-99.200.
- Gabel, Robert K.; and Law, Robert E., to Nalco Chemical Company. Compositions for agglomerating solid contaminants in well fluids and methods for using same. 4,796,703, 1-10-89, Cl. 166-312.000.
- Gabelli, Antonio; and Dolfsma, Hendrik, to SKF Industrial Trading and Development Co. B.V. Shaft bearing assembly. 4,854,748, 8-8-89, Cl. 384-466.000.
- Gaber, Ira; and Woodring, Cooper C., to Better Mousetraps Inc. Food processor and food cutting devices therefor. 4,856,718, 8-15-89, Cl. 241-93.000.
- Gabetta, Bruno; Magistretti, Maria J.; and Dostert, Philippe, to Inverni Della Beffa S.p.A.; and Societe de Recherches Industrielles Sori. Process for obtaining proanthocyanidine A2, pharmaceutical compositions and their therapeutic use. 4,863,956, 9-5-89, Cl. 514-453.000.
- Gabetta, Bruno: *See—*
  - Foresta, Piero; Ghirardi, Orlando; Gabetta, Bruno; and Cristoni, Aldo, 4,879,376, Cl. 536-18.100.
- Gabillard, Bertrand: *See—*
  - Ducourant, Thierry; and Gabillard, Bertrand, 4,831,588, Cl. 365-154.000.
  - Patillon, Jean-Noel; Gabillard, Bertrand; and Martin, Gerard M., 4,857,974, Cl. 357-22.000.
- Gabillet, Maurice, to Societe Generale pour les Techniques Nouvelles S.G.N. Device for transferring objects, particularly glass panes. 4,846,625, 7-11-89, Cl. 414-737.000.
- Gabizon, Alberto: *See—*
  - Barenholz, Yechezkel; and Gabizon, Alberto, 4,797,285, Cl. 424-450.000.
- Gabler, Rolf: *See—*
  - Abthoff, Joerb; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, 4,852,346, Cl. 60-303.000.
  - Abthoff, Joerg; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, 4,876,852, Cl. 60-275.000.
- Gabling, Reemt-Holger: *See—*
  - Franzen, Jochen; Gabling, Reemt-Holger; Heinen, Gerhard; and Weiss, Gerhard, 4,882,484, Cl. 250-282.000.
- Gabnebin, Pierre L.: *See—*
  - Golay, Jean-Pierre; and Gabnebin, Pierre L., 4,831,934, Cl. 102-209.000.
- Gabor, Szoradi; and Sandor, Nagy, to BRG Mechatronikai Vallalat. Method for charging nickel-cadmium batteries and circuit arrangement for carrying out the method. 4,878,007, 10-31-89, Cl. 320-14.000.
- Gabor, Thomas J.: *See—*
  - Ahmed, Fahim U.; Gabor, Thomas J.; Muller, Ernest G.; and Subramanyam, Ravi, 4,867,899, Cl. 252-121.000.
- Gaboury, Michael J., to Eastman Kodak Company. Illuminant discriminator. 4,827,119, 5-2-89, Cl. 250-214.00R.
- Gabran, Clas, to Oy Stille AB. Cannula. 4,874,379, 10-17-89, Cl. 604-168.000.
- Gabriel, David; Audus, David; and Strange, Norman, to Laserchek Limited. Laser position measurement and alignment. 4,840,490, 6-20-89, Cl. 356-375.000.

- Gabriel, Edwin Z. Shovel-like digging, scooping and transporting apparatus with back-strain relief features. 4,865,372, 9-12-89, Cl. 294-49.000.
- Gabriel, Jochen, to Wilhelm Haselmeier GmbH & Co. Stethoscope having a body contact piece provided with two alternatively employed auscultation heads. 4,823,906, 4-25-89, Cl. 181-137.000.
- Gabriel, Kaigham J.; Mehregany, Mehran; and Walker, James A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Thin film shape memory alloy and method for producing. 4,864,824, 9-12-89, Cl. 60-527.000.
- Gabriel, Kaigham J.: *See—*
  - Ekchian, Jack A.; Hoffman, Robert W.; Ekchian, Leon; and Gabriel, Kaigham J., 4,862,160, Cl. 340-825.540.
- Gabriel, Mark F.; Sykes, Walter D.; and Bye, Jeffrey C., to Boeing Company, The. Self-normalizing compliant drive coupling. 4,813,911, 3-21-89, Cl. 464-173.000.
- Gabriel, Mark F.: *See—*
  - Bye, Jeffrey C.; and Gabriel, Mark F., 4,818,154, Cl. 408-111.000.
- Gabriel, Robert; Aronson, Michael P.; and Steyn, Peter L., to Lever Brothers Company. Oxidation stable surfactants. 4,877,544, 10-31-89, Cl. 252-99.000.
- Gabriel, Stephen B.: *See—*
  - Deininger, William D.; and Gabriel, Stephen B., 4,869,714, Cl. 600-36.000.
- Gabriel, Steven M.; and Roselle, Brian J., to Procter & Gamble Company, The. Liquid automatic dishwashing compositions containing metal salts of hydroxy fatty acids providing silver protection. 4,859,358, 8-22-89, Cl. 252-99.000.
- Gabriel, William L.; and Meditz, Reinhold. Collated nail strip. 4,877,135, 10-31-89, Cl. 206-344.000.
- Gabriele, Darcy. Method and apparatus for power transmission from an engine. 4,825,721, 5-2-89, Cl. 74-675.000.
- Gabriele, Valentino, to J. C. Pardo and Sons, Inc. Sanitary shaft seal assembly. 4,799,690, 1-24-89, Cl. 277-9.000.
- Gabriele, Valentino: *See—*
  - Pardo, Warren A.; Pardo, Richard J.; and Gabriele, Valentino, 4,818,116, Cl. 366-311.000.
- Gabrielidis, Pericles. Hand-carried weapon. 4,878,305, 11-7-89, Cl. 42-72.000.
- Gabrielli, Frank: *See—*
  - Barto, Ronald J.; Gabrielli, Frank; and Mohn, Nancy C., 4,833,622, Cl. 364-496.000.
- Gabriels, Andre , to Fabrique Nationale Herstal, en abrege FN, societe anonyme. Telescopic grenade. 4,846,070, 7-11-89, Cl. 102-488.000.
- Gabrielson, James E.: *See—*
  - Breen, Bernard P.; Gabrielson, James E.; and Pohl, John H., 4,848,251, Cl. 110-347.000.
- Gabrielson, Robert: *See—*
  - Brownell, Peter; Borgia, Joseph A.; and Gabrielson, Robert, 4,853,118, Cl. 210-130.000.
  - Brownell, Peter; Borgia, Joseph A.; and Gabrielson, Robert, 4,857,195, Cl. 210-443.000.
- Gabrielsson, Per Erik G.: *See—*
  - Flodman, Leif A.; and Gabrielsson, Per Erik G., 4,831,089, Cl. 525-497.000.
  - Flodman, Leif A.; and Gabrielsson, Per Erik G., 4,857,609, Cl. 525-497.000.
- Gabrielyan, Mher. Blind spot viewing mirror system. 4,832,476, 5-23-89, Cl. 350-626.000.
- Gabrielyan, Mher; and Brestel, John R., to Gabrielyan, Mher. Drain line apparatus. 4,883,102, 11-28-89, Cl. 141-98.000.
- Gabrlik, Zdenek; Morris, John M.; and Green, Charles J., to GT Development Corporation. Gas venting valve for liquid tank. 4,886,089, 12-12-89, Cl. 137-202.000.
- Gabrys, Ronald B., to Consolidated Papers, Inc. Tamper resistant end closure for containers. 4,846,374, 7-11-89, Cl. 222-153.000.
- Gabutti, Claudio A., to Ciba-Geigy Corporation. Saturated polyesters containing imide groups and terminal carboxyl groups. 4,861,861, 8-29-89, Cl. 528-272.000.
- Gabuzda, Paul G.; and Terrell, Sanford V., to Unisys Corporation. Directed air management system for cooling multiple heat sinks. 4,851,965, 7-25-89, Cl. 361-383.000.
- GAC International, Inc.: *See—*
  - Cetlin, Norman, 4,886,451, Cl. 433-7.000.
  - Iida, Eiji, 4,889,485, Cl. 433-9.000.
- Gaccetta, Joseph M.; Bowling, Kinred; Trouteaud, Lee E.; and Whitby, Michael A., to Hobart Corporation. Collapsible elevator for package elevating wrapping machine. 4,805,373, 2-21-89, Cl. 53-77.000.
- Gach, Peter P., to Sunbeam Plastics Corporation. Child resistant dispensing closure. 4,807,768, 2-28-89, Cl. 215-216.000.
- Gach, Peter P., to Sunbeam Plastics Corporation. Tamper indicating closure. 4,807,769, 2-28-89, Cl. 215-235.000.
- Gach, Peter P., to Sunbeam Plastics Corporation. Tamper indicating dispenser closure. 4,815,618, 3-28-89, Cl. 215-232.000.
- Gach, Peter P.; and Montgomery, Gary V., to Sunbeam Plastics Corporation. Child resistant dispensing closure. 4,826,026, 5-2-89, Cl. 215-206.000.
- Gacka, Mark; Hollstein, Thomas E.; and Traylor, John C., to Nordson Corporation. Powder spray gun for quick color changes systems. 4,815,666, 3-28-89, Cl. 239-697.000.
- Gacsalyi, Istvan: *See—*
  - Reiter, Jozsef; Rivo, Endre; Reiter nee Esess, Klara; Fekete, Marton; Gogenyi, Frigyes; Petocz, Lujza; Gacsalyi, Istvan; and Gyertyan, Istvan, 4,831,029, Cl. 514-232.500.
- Gacsay, Lorant; and Meierhofer, Beat, to Sulzer Brothers Limited. Yarn brake for a weft yarn. 4,875,506, 10-24-89, Cl. 139-450.000.
- Gadbin, Michel: *See—*
  - Valy, Yves; Gadbin, Michel; Banchelin, Jean S. L.; and Bourcereau, Jean, 4,833,334, Cl. 250-515.100.
- Gaddi, Bruno. Frame moped. 4,799,567, 1-24-89, Cl. 180-205.000.
- Gaddi, Bruno. Vehicle with reducible overall dimensions. 4,830,133, 5-16-89, Cl. 180-208.000.
- Gaddipati, Achuta R.: *See—*
  - Charles, Richard J.; and Gaddipati, Achuta R., 4,880,599, Cl. 419-6.000.
  - Singh, Raj N.; and Gaddipati, Achuta R., 4,886,682, Cl. 427-56.100.
  - Singh, Raj N.; and Gaddipati, Achuta R., 4,889,686, Cl. 419-13.000.
- Gaddis, Joseph L.; and Jernigan, Daniel A., to Du Pont de Nemours, E. I., and Company. Sintered coating for porous metallic filter surfaces. 4,888,114, 12-19-89, Cl. 210-500.250.
- Gaddis, Paul G.; and Perdelwitz, Lee E., Jr., to Weyerhaeuser Company. Absorbent article with tear line guide. 4,882,213, 11-21-89, Cl. 428-136.000.
- Gaddy, Arthur K., to Gaddy Company. Tail block assembly for carpet stretches. 4,828,305, 5-9-89, Cl. 294-8.600.
- Gaddy Company: *See—*
  - Gaddy, Arthur K., 4,828,305, Cl. 294-8.600.
- Gadebusch, Hans H.; and Valiant, Mary E., to Merck & Co., Inc. Method of controlling mycotic infections and compositions therefor. 4,871,741, 10-3-89, Cl. 514-255.000.
- Gadeken, Larry L.; and Arnold, Dan M., to Halliburton Logging Services Inc. Gamma ray borehole logging method and apparatus having compensation for borehole attenuation effects. 4,825,071, 4-25-89, Cl. 250-256.000.
- Gadeken, Larry L.; and Smith, Harry D., Jr., to Halliburton Logging Services, Inc. Method of radioactive well logging. 4,857,729, 8-15-89, Cl. 250-260.000.
- Gadeken, Larry L.: *See—*
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  - Bohm, Herbert; Gademann, Lothar; and Spitz, Richard, 4,835,427, Cl. 310-68.00D.
- Gadient, Fulvio; and Vogel, Arnold, to Sandoz Ltd. New furanuronic acid derivatives, process for their production and their use. 4,855,288, 8-8-89, Cl. 514-45.000.
- Gadkaree, Kishor P.: *See—*
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  - Chyung, Kenneth; Gadkaree, Kishor P.; Ketcham, Thomas D.; and Wusirika, Raja R., 4,804,643, Cl. 501-104.000.
  - Chyung, Kenneth; Dawes, Steven B.; Gadkaree, Kishor P.; Morena, Robert M.; and Taylor, Mark P., 4,808,460, Cl. 428-116.000.
  - Chyung, Kenneth; Gadkaree, Kishor P.; and Taylor, Mark P., 4,846,866, Cl. 65-18.300.
  - Cooper, Reid F.; and Gadkaree, Kishor P., 4,806,428, Cl. 428-403.000.
- Gadke, Herbert; Steinhauer, Peter; Jahn, Franz-Xaver; Schade, Bernd; and Graf, Werner, to Siemens Aktiengesellschaft. Apparatus for the remote control of a transfer operation. 4,834,150, 5-30-89, Cl. 141-98.000.
- Gado, Klara: *See—*
  - Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Szirt nee Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,798, Cl. 514-256.000.
- Gadot Petrochemical Industries, Ltd.: *See—*
  - Dakka, Jihad; Zoran, Amikam; and Sasson, Yoel, 4,853,479, Cl. 566-77.000.
- Gadow, Andre, to Henning Berlin GmbH. Luminescence immuno-test kits, method for stabilizing same and quality control thereof. 4,871,660, 10-3-89, Cl. 435-7.000.
- Gadsby, Peter D.; Moore, Martin R.; Olson, Denis E.; and Scott, Barry M., to Marquette Electronics, Inc. Disposable biopotential electrode. 4,852,571, 8-1-89, Cl. 128-640.000.
- Gadsby, Peter D.: *See—*
  - Fetter, Richard W.; Gadsby, Peter D.; and Kabachinski, Jeffery L., 4,841,988, Cl. 128-804.000.
- Gaebel, Heinz-Ulrich; Kirchner, Heinrich; Maxa, Vladimir; and Winter, Udo, to Siemens Aktiengesellschaft. D-C commutator motor with means for interference suppression. 4,795,951, 1-3-89, Cl. 318-293.000.
- Gaebel, Lutz, to Siemens Aktiengesellschaft. Digital 2-of-3 selection and output circuit. 4,857,762, 8-15-89, Cl. 307-441.000.
- Gaede, Hans-Joachim. Self-propelled implement carrier. 4,828,071, 5-9-89, Cl. 180-291.000.
- Gaeta, Federico C. A.: *See—*
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  - Andrews, David R.; Gaeta, Federico C. A.; and Watkins, Robert W., 4,885,293, Cl. 514-223.200.
- Gaetani, Quintino: *See—*
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- Gaeth, Gerald A., to General Motors Corporation. Air pump vane assembly. 4,826,411, 5-2-89, Cl. 418-152.000.

Gaeumann, Alfred; Hangarter, Otto; and Stillhard, Otmar, to Fritz Gegauf Aktiengesellschaft Bernina-Nahmaschinenfabrik. Sewing machine. 4,817,547, 4-4-89, Cl. 112-457.000.
Gaewsky, John P., to Polaroid Corporation. Electronic flash camera having reduced cycle time. 4,887,118, 12-12-89, Cl. 354-413.000.
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  Barabas, Eugene S., 4,851,543, Cl. 548-519.000.
  Barabas, Eugene S., 4,853,439, Cl. 525-326.900.
  Bires, Carmen D.; Helioff, Michael W.; and Chaudhuri, Ratan K., 4,848,377, Cl. 132-222.000.
  Bondoc, Alfredo A.; Davis, Duane A.; Frankoski, Stanley P.; and Magnus, Bruno E., 4,795,661, Cl. 427-137.000.
  Bondoc, Alfredo A.; Frankoski, Stanley P.; and Sieling, Frederick W., 4,825,616, Cl. 52-518.000.
  Bondoc, Alfredo A.; Carroll, William R.; and Lloyd, Bobbie J., 4,835,929, Cl. 52-518.000.
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  Chaudhuri, Ratan K.; Helioff, Michael W.; and Login, Robert B., 4,808,569, Cl. 512-2.000.
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  Chuang, Jui-Chang; Cottrell, Ian W.; and Johnson, Stephen C., 4,831,097, Cl. 527-312.000.
  De Thomas, Waldo, 4,795,733, Cl. 502-327.000.
  De Thomas, Waldo; and Taylor, Paul D., 4,797,382, Cl. 502-245.000.
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  De Thomas, Waldo; and Taylor, Paul D., 4,885,411, Cl. 568-864.000.
  Dougherty, James A.; and Vara, Fulvio J., 4,885,319, Cl. 522-31.000.
  Dragasevich, John, 4,842,747, Cl. 210-767.000.
  Friel, Thomas C., Jr.; and O'Lenick, Anthony J., 4,871,483, Cl. 260-404.500.
  Gershenson, Moshe; and Schell, Thomas, 4,853,030, Cl. 75-0.50A.
  Gershenson, Moshe; and Moskowitz, Mark L., 4,877,198, Cl. 242-74.000.
  Gonsalves, Kenneth E., 4,842,6[illegible], Cl. 75-0.5AA.
  Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., 4,834,767, Cl. 8-416.000.
  Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., 4,871,535, Cl. 424-71.000.
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  Lewis, David F., 4,800,526, Cl. 365-118.000.
  Liu, Kou-Chang; and Taylor, Paul D., 4,824,967, Cl. 548-554.000.
  Liu, Kou-Chang; and Taylor, Paul D., 4,873,336, Cl. 546-243.000.
  Login, Robert B.; Hashem, Mohamed M.; and Tracy, David J., 4,801,400, Cl. 252-357.000.
  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,830,850, Cl. 424-70.000.
  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,834,970, Cl. 424-70.000.
  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,837,013, Cl. 424-70.000.
  Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,883,655, Cl. 424-70.000.
  Moskowitz, Mark I., 4,830,760, Cl. 210-752.000.
  O'Lenick, A. J., Jr.; and Smith, Wayne C., 4,800,077, Cl. 424-70.000.
  O'Lenick, Anthony J., Jr.; and Fanelli, Joseph J., 4,804,483, Cl. 252-8.800.
  O'Lenick, Anthony J., Jr.; and Rayborn, Randy L., 4,824,606, Cl. 252-607.000.
  O'Lenick, Anthony J., Jr.; and Bilbo, Raymond E., 4,830,769, Cl. 252-49.300.
  O'Lenick, Anthony J., Jr.; and Rayborn, Randy L., 4,867,750, Cl. 8-115.510.
  O'Lenick, Anthony J., Jr.; and Fanelli, Joseph J., 4,873,003, Cl. 252-8.750.
  O'Lenick, Anthony J., Jr.; and Fanelli, Joseph J., 4,873,294, Cl. 525-419.000.
  Schenfele, Robert, 4,795,835, Cl. 585-809.000.
  Suwala, David W., 4,812,255, Cl. 252-142.000.
  Tracy, David J.; Hashem, Mohamed M.; and Vara, Fulvio J., 4,806,609, Cl. 526-264.000.
  Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., 4,830,851, Cl. 424-78.000.
  Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., 4,842,858, Cl. 424-150.000.
  Tracy, David J.; Rizzo, Thomas; and Login, Robert B., 4,885,158, Cl. 424-69.000.
  Vara, Fulvio J.; Anderson, Lowell R.; and Dougherty, James A., 4,828,873, Cl. 427-44.000.
  Walton, William B., 4,813,482, Cl. 166-267.000.
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Gaffar, Abdul; Polefka, Thomas G.; Ferlauto, Robert J., Jr.; and Criafulli, Rosemarie M., to Colgate-Palmolive Company. Anticalculus oral composition. 4,806,340, 2-21-89, Cl. 424-52.000.
Gaffar, Abdul; and Polefka, Thomas G., to Colgate-Palmolive Company. Anticalculus oral composition. 4,806,342, 2-21-89, Cl. 424-52.000.
Gaffar, Abdul; and Polefka, Thomas G., to Colgate-Palmolive Company. Anticalculus oral composition. 4,808,400, 2-28-89, Cl. 424-52.000.
Gaffar, Abdul; and Polefka, Thomas G., to Colgate-Palmolive Company. Anticalculus oral composition. 4,808,401, 2-28-89, Cl. 424-52.000.
Gaffar, Abdul, to Colgate-Palmolive Company. Antiplaque/antigingivitis method using certain polyphosphonic acids. 4,816,245, 3-28-89, Cl. 424-57.000.
Gaffar, Abdul; Lau, Shek-Hong; and Afflitto, John, to Colgate-Palmolive Company. Anticalculus oral composition. 4,826,675, 5-2-89, Cl. 424-52.000.
Gaffar, Abdul; and Afflitto, John, to Colgate-Palmolive Company. Device and composition for treatment of the gums. 4,843,09[illegible], 6-27-89, Cl. 514-576.000.
Gaffar, Abdul; and Polefka, Thomas G., to Colgate-Palmolive Co. Anticalculus oral composition. 4,869,898, 9-26-89, Cl. 424-52.000.
Gaffar, Abdul, to Colgate-Palmolive Company. Anticalculus oral composition. 4,880,619, 11-14-89, Cl. 424-52.000.
Gaffar, Abdul; Lau, Shek-Hong H.; Afflitto, John; and Nykvist, Arline M., to Colgate-Palmolive Company. Anticalculus oral composition. 4,889,712, 12-26-89, Cl. 424-52.000.
Gaffar, Abdul; and Polefka, Thomas G., to Colgate-Palmolive Company. Anticalculus oral compositions. 4,889,713, 12-26-89, Cl. 424-52.000.
Gaffigan, Robert J. Home security system. 4,833,449, 5-23-89, Cl. 340-505.000.
Gaffin, Norman H. Dual material test specimen. 4,850,715, 7-25-89, Cl. 374-52.000.
Gaffney, Anne M.; Jones, C. Andrew; and Sofranko, John A., to Atlantic Richfield Company. Methane conversion process. 4,795,84[illegible], 1-3-89, Cl. 585-400.000.
Gaffney, Anne M.; Jones, C. Andrew; and Sofranko, John A., to Atlantic Richfield Company. Methane conversion process. 4,795,84[illegible], 1-3-89, Cl. 585-500.000.
Gaffney, Anne M., to Atlantic Richfield Company. Hydrocarbon production. 4,849,571, 7-18-89, Cl. 585-500.000.
Gaffney, Brian P., to General Electric Company. Multichannel alignment system. 4,866,449, 9-12-89, Cl. 342-151.000.
Gaffney, Daniel P., to MLW Corporation. Dispensing container. 4,856,685, 8-15-89, Cl. 222-454.000.
Gaffney, Edward J. Clutch assembly. 4,846,011, 7-11-89, Cl. 74-424.80R.
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Gaffney, Thomas E.; and Wahlen, Patrick S., to Kohler Co. Sheet flow spout. 4,886,210, 12-12-89, Cl. 239-193.000.
Gafvelin, Guro; Carlquist, Mats; and Mutt, Viktor, to Kabigen AB. Mammal intestinal hormone precursor and its use. 4,840,785, 6-20-89, Cl. 424-9.000.
Gag, Marvin N. Swimming aid. 4,832,631, 5-23-89, Cl. 440-26.000.
Gage, Douglas M.; and Neagle, Stuart L., to Deere & Company. Hydraulic system for a work vehicle. 4,809,586, 3-7-89, Cl. 91-6.000.
Gage, Douglas M., to Deere & Company. Secondary hydraulic steering system. 4,838,314, 6-13-89, Cl. 137-625.240.
Gage, Gene F., Sr.; and Spector, George. Self contained collision avoidance light. 4,890,091, 12-26-89, Cl. 340-467.000.
Gage, George J. Parlor lottery game. 4,874,178, 10-17-89, Cl. 273-274.000.
Gage, Lindsay D., to Digital Equipment Corporation. Apparatus and method for reconstructing a microstack. 4,890,221, 12-26-89, Cl. 364-200.000.
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  Sohn, Chul H.; Blessum, Cynthia R.; and Gage, Steven C., 4,865,714, Cl. 204-299.00R.
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  Biemann, Klaus; and Gagel, John J., 4,843,243, Cl. 250-341.000.
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Gagescu, Dan, to Orbisphere Laboratories (Inc.). Regeneration method and device. 4,830,713, 5-16-89, Cl. 204-1.00T.
Gaggar, Satish K.; Dumler, James M.; and Cleveland, Thomas B., to GE Chemicals, Inc. Polymer blend compositions. 4,857,590, 8-15-89, Cl. 525-64.000.
Gaggianese, Giancarlo, to Winninghorse, SRL. Magnetic penholder and magnetic pen set. 4,865,285, 9-12-89, Cl. 248-309.400.
Gaglani, Kamlesh; and Eilender, Albert, to Cosan Chemical Corporation. Bactericidal (3,5-substituted polyoxymethylene oxazolidine 4,841,064, 6-20-89, Cl. 548-215.000.
Gaglani, Kamlesh; and Eilender, Albert L., to Cosan Chemical Corporation. Biocidal dialkyl (3,5-substituted hydroxyalkyl oxazolidine and hydrocarbylene polyoxymethylene oxazolidines. 4,855,312, 8-8-89, Cl. 514-374.000.

Gagliani, John; and Long, John V. Methods and compositions for producing polyimide coatings. 4,842,948, 6-27-89, Cl. 428-473.500.
Gagliani, John; and Long, John V. Methods and compositions for producing polyimide adhesive bonds. 4,842,949, 6-27-89, Cl. 428-473.500.
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Gagliardi, Richard P., to United States of America, Navy. Lightweight, broadband, pulsed, frequency agile, self-screening jammer for airborne deployment. 4,890,109, 12-26-89, Cl. 342-14.000.
Gagne, Serge G. Automatic skylight actuator. 4,837,986, 6-13-89, Cl. 52-1.000.
Gagner, Charles A. Unloading spout for grain trucks. 4,881,782, 11-21-89, Cl. 298-7.000.
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  Gale, P. Michael; McMillan, Myles; and Gagnon, Andre, 4,859,934, Cl. 324-78.00D.
Gagnon, Bernard, to Endot Industries, Inc. Coupling for joining axial sections of duct for fiber optic cables. 4,854,665, 8-8-89, Cl. 350-96.230.
Gagnon, Claude; Gelineau, Claude; Raymond, Pierre; Krzelowski, Zygmunt P.; and Galletly, George, to Westinghouse Canada Inc. Bus duct joint. 4,886,940, 12-12-89, Cl. 174-88.00B.
Gagnon, Daniel, to Ultimage Inc. Method and circuit for processing narrow band signals located in a wide band having disturbance. 4,878,186, 10-31-89, Cl. 364-574.000.
Gagnon, Laurent, to DSH. Corner connector for sliding doors. 4,884,371, 12-5-89, Cl. 49-501.000.
Gagnon, Peter R.; and Benson, Timothy A., to GTE Products Corporation. Reflector and eyelet construction for reflector-type lamps. 4,855,634, 8-8-89, Cl. 313-113.000.
Gagnon, Peter R.: *See—*
  Benson, Timothy A.; and Gagnon, Peter R., 4,829,210, Cl. 313-25.000.
  Benson, Timothy A.; and Gagnon, Peter R., 4,835,443, Cl. 313-579.000.
Gagnon, Pierre; and Laforest, Pierre. Push actuator. 4,875,660, 10-24-89, Cl. 254-1.000.
Gagnon, Raymond. Badge and method of making same. 4,858,358, 8-22-89, Cl. 40-616.000.
Gagnon, Richard T.; and Houck, Duane W., to Votrax International, Inc. Speech synthesizer. 4,829,573, 5-9-89, Cl. 381-41.000.
Gagnon, Steven D.; and Dexheimer, Edward M., to BASF Corporation. Novel surfactants based on poly(alkylene carbonate)s. 4,866,143, 9-12-89, Cl. 525-409.000.
Gagnon, Steven D.: *See—*
  Grace, Oscar M.; Levis, William W., Jr.; and Gagnon, Steven D., 4,849,459, Cl. 521-110.000.
Gagnon, Theodore G., to Standard Oil Company, The. Photoplotting apparatus. 4,809,028, 2-28-89, Cl. 346-108.000.
Gagnoud, Annie: *See—*
  Paillere, Patrick; Alheritiere, Edouard; Garnier, Marcel; Driole, Jean; and Gagnoud, Annie, 4,838,933, Cl. 75-10.140.
Gago, Ignace; and Detroz, Rene , to Solvay & Cie. (Societe Anonyme). Coated seeds and process for preparing them. 4,879,839, 11-14-89, Cl. 47-57.600.
Gahagan, William L. Multipurpose flashlight. 4,881,155, 11-14-89, Cl. 362-191.000.
Gahan, Edward A., to Donnelly Corporation. Automatic rearview mirror with filtered light sensors. 4,799,768, 1-24-89, Cl. 350-279.000.
Gahler, Alfred: *See—*
  Bisping, Heinz; Gahler, Alfred; Hoffmann, Armin; and Popp, Franz, 4,836,72[illegible], Cl. 411-82.000.
Gahn, Jerry S.: *See—*
  Scheller, Gregg D.; Gahn, Jerry S.; Higgins, Daniel E.; Wendt, Richard; Gibeltiara, James; and Ritter, J. Alan, 4,837,857, Cl. 455-617.000.
Gahr, Thanh J.: *See—*
  Cooledge, Joseph T.; and Gahr, Thanh J., 4,845,475, Cl. 340-644.000.
Gahwiler, Heinz U., to Ems-Inventa AG. Freely rotatable snap-fit connector for pipes. 4,844,512, 7-4-89, Cl. 285-39.000.
Gaia, Aldino J.; Suher, Frank; Douglass, Robert; Ehlmann, Arlie; and Urani, Angelo, to Cooper Industries, Inc. Cable fuse. 4,831,353, 5-16-89, Cl. 337-255.000.
Gaianigo, Umberto, to G.T.I. du Gaianigo Umberto & Co., Inc. Actuator activating on-off valves. 4,799,644, 1-24-89, Cl. 251-14.000.
Gaiardo, Mario, to Microlys S.p.A. Dot matrix print head. 4,798,484, 1-17-89, Cl. 400-124.000.
Gaiardo, Mario, to Microlys S.p.A. Dot matrix print head of improved type. 4,810,112, 3-7-89, Cl. 400-124.000.
Gaibotti, Maurizio: *See—*
  Aguti, Alberto; Gaibotti, Maurizio; and Masina, Vittorio, 4,797,584, Cl. 307-594.000.
Gaida, Wolfram: *See—*
  Schnorrenberg, Gerd; Roos, Otto; Losel, Walter; Wiedemann, Ingrid; Gaida, Wolfram; and Hoefke, Wolfgang, 4,826,855, Cl. 514-301.000.
Gaidano, Roberto; Gandini, Marco; and Sartori, Mario, to CSELT - Centro Studi E Laboratori Telecomunicazioni SPA. Integrated active filter without external components. 4,808,947, 2-28-89, Cl. 330-307.000.
Gaidis, James M.: *See—*
  Rosenberg, Arnold M.; Gaidis, James M.; and Kindt, Lawrence J., 4,888,058, Cl. 106-98.000.
Gaiffi, Nazareno: *See—*
  Fischer, Melchior; and Gaiffi, Nazareno, 4,886,645, Cl. 422-186.180.
Gaignoux, Daniel; and Sievi, Herbert, to Neuweiler AG. Apparatus for the hydraulic conveyance of substances and use thereof. 4,863,377, 9-5-89, Cl. 432-133.000.
Gailbreath, Samuel H., Jr., to Hewlett-Packard Company. Digital phase lock loop. 4,795,985, 1-3-89, Cl. 328-155.000.
Gailey, Edward D., to Tuthill Corporation. Socket assembly with fusible element. 4,825,893, 5-2-89, Cl. 137-75.000.
Gailey, J. Lynn; Johnstone, Thomas O.; and Malachowski, Frank, to Alcan Aluminum Corporation. Ceiling or like structural system and splice member therefor. 4,850,172, 7-25-89, Cl. 52-665.000.
Gaillard, Christian: *See—*
  Brissier, Raphael; and Gaillard, Christian, 4,815,605, Cl. 206-523.000.
Gaillard, Georges: *See—*
  Tessier, Marie C.; and Gaillard, Georges, 4,831,888, Cl. 73-862.540.
Gaillard, Jacques: *See—*
  Bernard, Georges; Bouvet, Bernard; Jacolin, Richard; Colleoni, Guido; Gaillard, Jacques; and Volsy, Robert, 4,803,319, Cl. 200-147.00A.
Gaillard, Jean-Ferdinand: *See—*
  Nocca, Jean-Luc; Leonard, Jacques; Gaillard, Jean-Ferdinand; and Amigues, Pierre, 4,847,431, Cl. 568-197.000.
  Quang, Dang Vu; Amigues, Pierre; Gaillard, Jean-Ferdinand; Leonard, Jacques; and Nocca, Jean-Luc, 4,847,430, Cl. 568-697.000.
Gaillard, Pierre: *See—*
  Hays, Jean-Francois; Legrand, Pierre; Verna, Eric; Delzenne, Michel; Reynaud, Bernard; and Gaillard, Pierre, 4,855,566, Cl. 219-130.400.
Gailliard, Jean-Pierre: *See—*
  Demay, Yves; Gailliard, Jean-Pierre; Million, Alain; and Piaguet, Jean, 4,813,373, Cl. 118-726.000.
Gailly, Jean-Marc; Gomez, Daniel; Burguiene Martine; Gens, Andre ; and Remy, Jean, to Sandoz, Ltd. Calcium salts. 4,867,977, 9-19-89, Cl. 424-687.000.
Gailus, Paul H.; Turney, William J.; and Yester, Francis R., Jr., to Motorola, Inc. Method and arrangement for a sigma delta converter for bandpass signals. 4,857,928, 8-15-89, Cl. 341-143.000.
Gailus, Paul H.: *See—*
  Yester, Francis R., Jr.; Turney, William J.; and Gailus, Paul H., 4,811,362, Cl. 375-75.000.
Gain Electronics Corporation: *See—*
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Gaines Pet Foods Corp.: *See—*
  Howley, Joseph P.; Keehn, William T.; Ford, Joanna B.; and Neeb, Mary J., 4,804,549, Cl. 426-98.000.
Gains, Oliver B.; Perrin, Jack L.; and Tucker, Council A., to James River II, Inc. Paper roll towel dispenser. 4,807,824, 2-28-89, Cl. 242-55.300.
Gainutdinova, Raisa V.; Jurov, Boris A.; Mazo, Bentsian M.; and Petrova, Vera M., to Nauchno-Proizvodstvennoe Objedinenie "Medinstrument". Intrauterine contraceptive device. 4,807,610, 2-28-89, Cl. 128-830.000.
Gainutdinova, Raisa V.; Jurov, Boris A.; Mazo, Bentsian M.; and Petrova, Vera M., to Nauchno-Proizvodstvennoe Obiedinenie "Medinstrument" . Intrauterine contraceptive device. 4,830,025, 5-16-89, Cl. 128-839.000.
Gainutdinova, Raisa V.; Petrova, Vera M.; Blokhina, Alevtina I.; Fridman, Boris S.; and Gamer, Pinkhos U., to Nauchno-Proizvodstvennoe Obiedinenie "Medinstrument". Intrauterine contraceptive device. 4,841,991, 6-27-89, Cl. 128-833.000.
Gairns, Raymond S.: *See—*
  Elliott, Raymond; Griffin, David A.; and Gairns, Raymond S., 4,875,922, Cl. 71-76.000.
Gaiser, Hans. Saddle-shaped spectacle bridge. 4,822,159, 4-18-89, Cl. 351-124.000.
Gaiser, Robert F.; Crumb, Donald A.; and Dillon, William F., Jr., to Allied-Signal Inc. Multi-part primary pressure-balanced proportioning valve with brake pressure failure switch. 4,815,292, 3-28-89, Cl. 60-534.000.
Gaiser, Robert F.; Steer, John E.; and Crumb, Donald A., to Allied-Signal Inc. Primary pressure-balanced proportioning valve. 4,821,519, 4-18-89, Cl. 60-591.000.
Gaiser, Robert F.; and Crumb, Donald A., to Allied-Signal Inc. Brake system in-line fast fill valve. 4,843,820, 7-4-89, Cl. 60-585.000.
Gaiser, Thomas A., to National Semiconductor Corporation. Self precharging static programmable logic array. 4,831,285, 5-16-89, Cl. 307-465.000.
Gaiser, William R.: *See—*
  Bartley, Harold D.; and Gaiser, William R., 4,861,260, Cl. 425-529.000.

- Gaisford, Susan E.: *See—*
  - Clare, Kenneth; McMullen, James H.; Findlay, Medeana; and Gaisford, Susan E., 4,853,244, Cl. 426-573.000.
- Gaissmaier, Franz: *See—*
  - Harsch, Erich; and Gaissmaier, Franz, 4,860,879, Cl. 198-395.000.
- Gaissmaier, Rudi, to Watership PTY. Ltd. Expansion of sheet materials. 4,881,307, 11-21-89, Cl. 29-6.100.
- Gaitanopoulos, Dimitri; Mico, Bruce; and Weinstock, Joseph, to SmithKline Beckman Corporation. Carbamates of 6-chloro-7,8-dihydroxy-1-(4′-hydroxyphenyl)-2,3,4,5-tetrahydro-1H-3-benzazepine as pro-drugs. 4,861,771, 8-29-89, Cl. 514-213.000.
- Gaither, William D.; Giovannetti, Laura T.; Grafe, Robert J.; Hall, Linda F.; Meyer, Gregory P.; and Pancoast, Steven T., to International Business Machines Corporation. Method for implementing an on-line presentation in an information processing system. 4,864,516, 9-5-89, Cl. 364-518.000.
- Gajari, Antal: *See—*
  - Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.
- Gajary, Antal: *See—*
  - Balogh, Gyula; Boros nee Gundar, Iren; Gajary, Antal; Hidasi, Gyorgy; Rappi, Andras; Rakoczi, Jozsef; Soos, Rudolf; Szekely, Istvan; and Zoltan, Sandor, 4,843,174, Cl. 562-506.000.
- Gajasz, Zoltan: *See—*
  - Varjasi, Istvan; Areldt, Gyorgy; and Gajasz, Zoltan, 4,807,105, Cl. 363-68.000.
- Gajda, Joseph J.; Srikrishnan, Kris V.; Totta, Paul A.; and Trudeau, Francis G., to International Business Machines Corporation. Chip contacts without oxide discontinuities. 4,839,715, 6-13-89, Cl. 357-71.000.
- Gajdzinski, Jerzy: *See—*
  - Hyde, James S.; and Gajdzinski, Jerzy, 4,888,554, Cl. 324-316.000.
- Gajek, Richard T.: *See—*
  - Pellet, Regis J.; Coughlin, Peter K.; Springer, Albert R.; and Gajek, Richard T., 4,861,739, Cl. 502-64.000.
- Gajer, Nandor: *See—*
  - Fleming, Paul D.; and Gajer, Nandor, 4,807,914, Cl. 292-48.000.
- Gajewski, Arno: *See—*
  - Naab, Jakob; and Gajewski, Arno, 4,889,462, Cl. 414-408.000.
- Gajewski, Robert P., to Eli Lilly and Company. Alkanoyl anilides as pesticides. 4,826,841, 5-2-89, Cl. 514-237.500.
- Gajewski, Wolfgang: *See—*
  - Schmelz, Helmut; Thomann, Helmut; Kuschke, Renate; Wilbert, Eva-Helga; Gajewski, Wolfgang; Sprehe, Josef; Landgraf, Norbert; Ranly, Hans; Balling, Lothar; Reppisch, Richard; and Hein, Dietmar, 4,812,296, Cl. 423-239.000.
- Gajic, Branco R., to Patentverwertungsgesellschaft burgerlichen Rechts; Dorndorf, Gotz; and Gajic, Branco R. Bioregulator based on plant raw materials and method for producing same. 4,872,900, 10-10-89, Cl. 71-23.000.
- Gajjar, Bahrat J., to Du Pont de Nemours, E. I., and Company. Method of warp knitting. 4,802,346, 2-7-89, Cl. 66-195.000.
- Gajun, Jury A.: *See—*
  - Perevozkin, Jury L.; Gajun, Jury A.; Grigorov, Petr K.; Zhurakovsky, Vasily M.; and Samelik, Boris V., 4,853,047, Cl. 148-905.000.
- Gakei Electric Works Co., Ltd.: *See—*
  - Nishizawa, Minoru, 4,832,922, Cl. 422-249.000.
  - Nishizawa, Minoru, 4,874,458, Cl. 156-607.000.
- Gaku, Morio; and Kinbara, Hidenori, to Mitsubishi Gas Chemical Company, Inc. Hot melt adhesive composition. 4,820,769, 4-11-89, Cl. 525-113.000.
- Gaku, Morio; and Kimbara, Hidenori, to Mitsubishi Gas Chemical Company, Inc. Process for producing polyfunctional cyanate ester polymer. 4,820,855, 4-11-89, Cl. 558-167.000.
- Gaku, Morio; and Kinbara, Hidenori, to Mitsubishi Gas Chemical Company, Inc. Hot melt adhesive composition. 4,871,811, 10-3-89, Cl. 525-148.000.
- Gakumura, Hiroki, to Sanyo Electric Co., Ltd. Video detector employing PLL system. 4,811,096, 3-7-89, Cl. 358-160.000.
- Gal, Andras: *See—*
  - Bauer, Sandor; Doleschall, Sandor; Gal, Andras; Milley, Gyula; Nagy, Gyula; and Paal, Tibor, 4,795,564, Cl. 210-665.000.
- Gal, Dezso : *See—*
  - Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso ; Nemes, Istvan; Botar, Laszlo ; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
- Gal, Eli, to General Electric Environmental Services, Inc. Method and system for removal of sulfur compounds from gases and for regenerating spent sorbents. 4,857,285, 8-15-89, Cl. 423-230.000.
- Gal, George; and Morrow, Howard E., to Lockheed Missiles & Space Company, Inc. Laser velocimeter. 4,859,055, 8-22-89, Cl. 356-28.000.
- Gal, Gusztav: *See—*
  - Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
- Gal, Laszlo V.; Arraut, Fernando W.; and Khosravi, Christopher H., to Unisys Corporation. Synchronizer having dual feedback loops for avoiding intermediate voltage errors. 4,839,541, 6-13-89, Cl. 307-481.000.
- Gal, Shmuel, to Shoshana RAM. Soil working machine. 4,856,597, 8-15-89, Cl. 172-33.000.
- Gal, Uri: *See—*
  - Diamantstein, Menachem; Gran, Paul; Berinzon, Marian; Eckstien, Zvi; Gal, Uri; and Greenberg, Julie, 4,826,274, Cl. 350-96.160.
- Gala, Dinesh: *See—*
  - Hou, Donald; Wong, Yee-Shing; Gala, Dinesh; and Steinman, Martin, 4,876,338, Cl. 540-357.000.
- Gala Industries, Inc.: *See—*
  - Bryan, David E.; Dudding, Carl M.; and Martin, John W., 4,838,990, Cl. 73-326.000.
- Gala, James M., Jr., to Soundwave Fidelity Corporation. Apex loudspeaker. 4,881,265, 11-14-89, Cl. 381-90.000.
- Gala, Kanti J.; and Terrell, Ross C., to BOC, Inc. Enamine quaternary compounds, methods of making and their use as muscle relaxants. 4,863,918, 9-5-89, Cl. 514-213.000.
- Gala, Mahen S.: *See—*
  - Kleiser, Charles M.; and Gala, Mahen S., 4,807,498, Cl. 81-56.000.
- Galagher, P. Christopher J. Annular fluorescent lamp. 4,833,574, 5-23-89, Cl. 362-216.000.
- Galan, Louis, to Telemagnetics, Inc. On-board tire pressure indicating system. 4,807,468, 2-28-89, Cl. 73-146.500.
- Galanaugh, Charles F.: *See—*
  - Rodriguez, Rodolfo R.; Lesniesky, Matthew W.; Galanaugh, Charles F.; Levine, Robert A.; Wardlaw, Stephen C.; and Jurachek, Theodore, 4,823,624, Cl. 73-865.900.
- Galani, Zvi; Skinner, Malcolm E.; and Chiesa, John A. Center offset microwave frequency synthesizer. 4,882,549, 11-21-89, Cl. 331-14.000.
- Galaniuk, Alexander H., to Ford Motor Company. Variable friction roller tappets. 4,846,121, 7-11-89, Cl. 123-90.480.
- Galant, Jean-Claude: *See—*
  - Mouret, Patrick; and Galant, Jean-Claude, 4,838,015, Cl. 56-15.700.
- Galante, Richard L.: *See—*
  - Goergen, Rene ; Hitzky, Leo J.; Miller, Frederick W.; Galante, Richard L.; Waibel, Terry J.; Kolowski, Michael A.; and Hopkins, William M., 4,823,855, Cl. 152-209.00R.
- Galanty, Paul G.: *See—*
  - Mason, Charles D.; Galanty, Paul G.; and Jones, Elmer D., 4,801,633, Cl. 524-98.000.
- Galard, Michel, to EG&G Sealol. Method and apparatus for tightening and/or slackening bolts. 4,829,650, 5-16-89, Cl. 29-407.000.
- Galardo, Richard A. Knockdown sofa. 4,848,839, 7-18-89, Cl. 297-440.000.
- Galarowic, Lawrence A., to Visi-Trol Engineering Co. Work station. 4,858,301, 8-22-89, Cl. 29-563.000.
- Galarraga, C. E.: *See—*
  - de Agudelo, M. M. Ramirez; and Galarraga, C. E., 4,832,829, Cl. 208-251.00R.
- Galarraga, Carmen E.: *See—*
  - Ramirez de Aqudelo, Magdalena M.; and Galarraga, Carmen E., 4,888,104, Cl. 208-112.000.
- Galasan, Felixberto A.: *See—*
  - Matthias, Brian P.; Mursinna, Richard C.; and Galasan, Felixberto A., 4,821,665, Cl. 114-222.000.
- Galati, Celeste C., to Motion Control Industries, Inc. Method of fibrillating fibers. 4,811,908, 3-14-89, Cl. 241-21.000.
- Galati, Gaspare; and Losquadro, Giacinto, to Selenia Spazio S.p.A.; and Gaspare Galati. Distributed-array radar system comprising an array of interconnected elementary satellites. 4,843,397, 6-27-89, Cl. 342-59.000.
- Galaxy Machine, Inc.: *See—*
  - Blevins, Gene, 4,857,705, Cl. 219-370.000.
- Galaxy Microsystems, Inc.: *See—*
  - Fosdick, Robert E., 4,866,718, Cl. 371-40.100.
- Galbani, Benito, to Savio S.p.A. Plate mountable on the base of a bin-type container for the ordered storage of bobbins. 4,883,177, 11-28-89, Cl. 206-391.000.
- Galbiati, Leandro: *See—*
  - Raimondi, Tullio; Presle, Pierre; Galbiati, Leandro; and de Burbure, Stephane, 4,843,213, Cl. 219-159.000.
- Galbiati, Paola: *See—*
  - Bertotti, Franco; Cini, Carlo; Contiero, Claudio; and Galbiati, Paola, 4,887,142, Cl. 357-43.000.
- Galbiati, Sergio; and Comi, Alessandro, to SGS-Thomson Microelectronics s.r.l. ROM memory programming procedure using MOS technology with thin gate oxide and junctions. 4,837,181, 6-6-89, Cl. 437-45.000.
- Galbo, James P.: *See—*
  - Winter, Ronald A. E.; and Galbo, James P., 4,831,134, Cl. 540-524.000.
- Galbraith, Douglas C., to Visic, Inc. Dynamic sense amplifier for CMOS static RAM. 4,843,264, 6-27-89, Cl. 307-530.000.
- Galbraith, Douglas C., to Actel Corporation. High-speed static differential sense amplifier. 4,871,933, 10-3-89, Cl. 307-530.000.
- Galbraith, Douglas C., to Actel Corporation. High-speed static differential sense amplifier. 4,871,978, 10-3-89, Cl. 330-253.000.
- Galbraith, Elton E. One handed sheet holder apparatus and method. 4,828,193, 5-9-89, Cl. 242-55.200.
- Galbraith, Robert H., to Cuddy Farms, Inc. Turkey product in a form ready for cooking and a method of cutting to form same. 4,849,245, 7-18-89, Cl. 426-644.000.
- Galbreath, Donald E., to Galbreath Incorporated. Roll-off hoist for variable positioning of containers. 4,840,532, 6-20-89, Cl. 414-479.000.
- Galbreath Incorporated: *See—*
  - Galbreath, Donald E., 4,840,532, Cl. 414-479.000.

- Galchenko, Sergei E.: *See—*
  - Grischenko, Valentin I.; Tarasov, Valery F.; Galchenko, Sergei E.; Kalugin, Jury V.; Paraschuk, Jury S.; Luchko, Nina A.; and Chernysh, Elena N., 4,817,397, Cl. 62-514.00R.
- Galcon: *See—*
  - Sturman, Eddie; Grill, Benjamin; and Harrison, Walter L., 4,811,221, Cl. 364-420.000.
- Galdon, Francisco: *See—*
  - Quantin, Daniele; and Galdon, Francisco, 4,801,338, Cl. 148-6.140.
- Galdun, Daniel J.: *See—*
  - Stewart, Daniel L.; Immormino, Fredrick R.; Galdun, Daniel J.; and Rischar, Charles M., 4,858,101, Cl. 364-131.000.
- Gale, Allan R.; and Hoppie, Lyle O., to Eaton Corporation. Transducer linearizing system. 4,812,747, 3-14-89, Cl. 324-132.000.
- Gale, Allan R.; and Slicker, James M., to Eaton Corporation. Clocked current torque motor control. 4,819,597, 4-11-89, Cl. 123-399.000.
- Gale, Edwin J.; and Olsen, Albert B., to Stanley Aviation Corporation. Coupler with combination locking and bonding ring. 4,808,117, 2-28-89, Cl. 439-192.000.
- Gale, George M.; and Sorio, Aldo A., to Union Carbide Corporation. One-extrusion method of making a shaped crosslinkable extruded polymeric product. 4,857,250, 8-15-89, Cl. 264-83.000.
- Gale, Jody A.; and Bushnell, Jim L. Hay sampling device. 4,827,776, 5-9-89, Cl. 73-864.450.
- Gale, John C.; Lang, Howard J.; and Hurst, Charles, to Water Research Centre. Tapping subterranean pipes. 4,832,069, 5-23-89, Cl. 137-15.000.
- Gale, Jonathan B.: *See—*
  - Berlin, Kenneth D.; Ford, Warren T.; Rajadhyaksha, Shirish N.; Gale, Jonathan B.; and Spruce, Lyle W., 4,833,254, Cl. 548-454.000.
- Gale, P. Michael; McMillan, Myles; and Gagnon, Andre, to Telemus Electronic Systems, Inc. Apparatus for measuring the frequency of microwave signals. 4,859,934, 8-22-89, Cl. 324-78.00D.
- Gale, Robert M., to ALZA Corporation. Method for lessening the incidence of anginal attacks. 4,812,313, 3-14-89, Cl. 424-448.000.
- Gale, Robert M., to ALZA Corporation. Medical bandage for administering beneficial drug. 4,834,979, 5-30-89, Cl. 424-448.000.
- Gale, Robert M., to Alza Corporation. Method for increasing oxygen supply by administering vasodilator. 4,849,226, 7-18-89, Cl. 424-448.000.
- Gale, Robert M.: *See—*
  - Campbell, Patricia S.; Enscore, David J.; Gale, Robert M.; and Kaufman, Arnold, 4,832,953, Cl. 424-448.000.
  - Cheng, Yu-Ling; Gale, Robert M.; Sugihara, Edna; and Sanders, Harold F., 4,865,848, Cl. 424-449.000.
  - Nedberge, Diane E.; Campbell, Patricia S.; Gale, Robert M.; and Yum, Su I., 4,816,258, Cl. 424-448.000.
  - Shaw, Jane; and Gale, Robert M., 4,846,826, Cl. 604-890.100.
- Gale, Ronald P.; and Fan, John C. C., to Massachusetts Institute of Technology. Chemical vapor deposition reactor. 4,839,145, 6-13-89, Cl. 422-245.000.
- Gale, Simon J.; Fearnhead, Graham R.; and Furnace, Mark L. C., to STC PLC. Phase rotation of signals. 4,796,188, 1-3-89, Cl. 364-443.000.
- Gale, Simon J., to STC plc. Digital phase rotation of signals. 4,807,171, 2-21-89, Cl. 364-715.010.
- Galeazzi, Giancarlo: *See—*
  - Fusaro, Angelo; and Galeazzi, Giancarlo, 4,804,066, Cl. 187-8.710.
- Galef, Bennett G., Jr.; and Mason, J. Russell, to Monell Chemical Senses Center. Enhanced rodent edible with natural attractants. 4,861,585, 8-29-89, Cl. 424-84.000.
- Galemmo, Robert A., Jr.: *See—*
  - Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Dodson, Stuart A.; Galemmo, Robert A., Jr.; and Durham, Pamela J., 4,816,583, Cl. 544-7.000.
- Galephar: *See—*
  - Deboeck, Arthur M., 4,847,282, Cl. 514-400.000.
- Galer, Glenn S.: *See—*
  - Worcester, Samuel A.; Woods, Charles R.; Galer, Glenn S.; and Propst, Richard L., 4,816,214, Cl. 376-416.000.
  - Worcester, Samuel A.; Woods, Charles R.; Galer, Glenn S.; and Propst, Richard L., 4,849,016, Cl. 75-10.260.
- Galera, Carlos: *See—*
  - Sunkel, Carlos; Fay de Casa Juana, Miguel; Dorrego, Fernando; Pando, Basilio; Alvarez-Builla, Julio; Vaquero, Juan J.; Galera, Carlos; and Vazquez, Maria L., 4,880,894, Cl. 548-152.000.
- Galetta, Jon D.: *See—*
  - Anderson, G. Scott; Galetta, Jon D.; MacGregor, D. Travis; and Prince, Clarence F., 4,864,966, Cl. 118-668.000.
- Galford, James E.: *See—*
  - Flaum, Charles; Galford, James E.; and Ducket, Steven W., 4,794,792, Cl. 73-152.000.
- Galgon, Randy A.: *See—*
  - Werner, Roy H.; Galgon, Randy A.; and Decker, Clifford J., 4,818,392, Cl. 210-195.300.
- Gali, Carl E. Solar trickle charger for lead acid batteries. 4,871,959, 10-3-89, Cl. 320-61.000.
- Galiakbarov, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased (by Sedakova, Tatyana Pavlovna, Elvira Rinatovna Sedakova, Boris Rinatovich Sedakov, administrators), to Ufimsky Neftyanoi Institut. Method for isolation of intake beds in drill holes and a device for carrying same into effect. 4,842,066, 6-27-89, Cl. 166-265.000.
- Galian, Boris A.: *See—*
  - Kuchuk-Yatsenko, Sergei I.; Sakharnov, Vasily A.; Galian, Boris A.; and Zelensky, Vladimir F., 4,803,330, Cl. 219-97.000.
- Galiasso, Roberto E.; Belandria, Jose I.; and Caprioli, Pasquale L., to Intevep, S.A. Apparatus for withdrawing particulate solid from a high pressure vessel. 4,801,432, 1-31-89, Cl. 422-143.000.
- Galiasso, Roberto E.: *See—*
  - Martinez, Nelson P.; Galiasso, Roberto E.; Velasquez, Jose R.; Lujano, Juan; and Zerpa, Carlos, 4,857,494, Cl. 502-210.000.
- Galic, George J.: *See—*
  - Maus, Steven M.; and Galic, George J., 4,828,769, Cl. 264-1.300.
- Galic/Maus Ventures: *See—*
  - Maus, Steven M.; and Galic, George J., 4,828,769, Cl. 264-1.300.
- Galichowski, Joseph; and Shokoples, John D. Material handling device. 4,806,058, 2-21-89, Cl. 414-304.000.
- Galie, Louis M.; Sedlak, Adolf; and Stotz, Gerhard, to Timex Corporation. Universal stepping motor/gear train module for a wrist instrument. 4,886,988, 12-12-89, Cl. 310-49.00R.
- Galiev, Radil A.: *See—*
  - Galiakbarov, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased, 4,842,066, Cl. 166-265.000.
- Galigani, Tiziano, to Cima Impianti S.p.A. Machine for vulcanizing tires, with devices for collecting and unloading the tire being treated. 4,871,305, 10-3-89, Cl. 425-35.000.
- Galik, William T.: *See—*
  - Ford, John R.; Gutierrez, Robelino C.; Carrera, Armando N.; and Galik, William T., 4,865,093, Cl. 144-144.00R.
- Galili, Gad: *See—*
  - Larkins, Brian; Cuellar, Richard E.; Wallace, John C.; and Galili, Gad, 4,886,878, Cl. 536-26.000.
- Galimberti, Gianfranco. Product made up of a roll of valved synthetic resin bags, with transversal weldings and pre-established separation lines, for filing the bags before separation. 4,844,956, 7-4-89, Cl. 428-35.500.
- Galimberti, Gianfranco. Method and equipment for the production and packaging operation of a continuous manufacture of small bags with longitudinal folds and transversal pre-incisions and manufacture thus packaged. 4,846,349, 7-11-89, Cl. 206-390.000.
- Galindo, Jose : *See—*
  - Fehr, Charles; and Galindo, Jose , 4,868,340, Cl. 568-447.000.
- Galiotti, George: *See—*
  - Rao, Ram A.; Kofod, Mogens; Puchammer, Julius; and Galiotti, George, 4,875,754, Cl. 350-96.200.
- Galitello, Kenneth A., Jr. Two stroke cycle engine. 4,876,991, 10-31-89, Cl. 123-46.00E.
- Galitzine, Peter D.: *See—*
  - Pinyan, James A.; Buckley, B. S.; and Galitzine, Peter D., 4,819,783, Cl. 198-395.000.
- Galkowski, Jan T., to International Business Machines Corporation. Method for encoding and decoding acyclic, linked-list data structures for efficient storage, retrieval and searching. 4,803,651, 2-7-89, Cl. 364-900.000.
- Gall, Kenneth J. Method and machine for aligning and securing rod shaped fasteners. 4,805,687, 2-21-89, Cl. 164-461.000.
- Gall, Ray A., to Dana Corporation. Seal and dust guard assembly for a universal joint trunnion. 4,874,349, 10-17-89, Cl. 464-14.000.
- Gall, Ray A., to Dana Corporation. Yoke for Hookes-type universal joint. 4,881,924, 11-21-89, Cl. 464-134.000.
- Gall, Richard C.; Weigt, Donald A.; and Paugh, Steven L., to Audience Information Measurement System. Audience survey system. 4,847,685, 7-11-89, Cl. 358-84.000.
- Gall, Russell A.; Clements, Don A.; and Kent, Michael J., to Alcon Laboratories, Inc. Means and method for dispensing substances. 4,871,094, 10-3-89, Cl. 222-386.000.
- Galla, Edward A.: *See—*
  - Andrew, Gary D.; Galla, Edward A.; and Ricci, Robert L., 4,797,240, Cl. 264-46.400.
- Gallacher, Lawrence V.: *See—*
  - Calbo, Leonard J., Jr.; and Gallacher, Lawrence V., 4,888,441, Cl. 560-198.000.
- Gallagher, Constance A.: *See—*
  - Levin, Mark D.; Gallagher, Constance A.; Liu, Christopher S.; and Buscher, William A., Jr., 4,845,157, Cl. 525-308.000.
- Gallagher, Daphne R.: *See—*
  - Wagenknecht, Dietmar M.; Amann, Anton H.; and Gallagher, Daphne R., 4,850,981, Cl. 604-251.000.
- Gallagher Electronics Limited: *See—*
  - McKissack, Jeremy J., 4,859,868, Cl. 307-106.000.
  - Standing, Colin A., 4,861,645, Cl. 428-196.000.
- Gallagher, Francis E. Anti-thief key lock for vending machines. 4,838,055, 6-13-89, Cl. 70-208.000.
- Gallagher-Kaiser Corporation: *See—*
  - Rich, Douglas A.; Rick, Paul N.; Bournias, James N.; and Lyons, Robert E., 4,885,010, Cl. 55-241.000.
- Gallagher, Karen A., executrix: *See—*
  - Akkapeddi, Murali K.; Bradley, David E.; and Gallagher, Thomas D., deceased, 4,843,127, Cl. 525-183.000.
- Gallagher Limited: *See—*
  - Adams, Brian; and Cunningham, Linda, 4,889,145, Cl. 131-365.000.
- Gallagher, Neal C., Jr.: *See—*
  - Coyle, Edward J.; Gallagher, Neal C., Jr.; Bass, Steven C.; Fitch, Joseph P.; and Harber, Ronald G., 4,868,773, Cl. 364-724.010.
- Gallagher, Patrick E.; and Greenberg, Ronald A., to General Electric Company. Process for preparing polyimides. 4,835,249, 5-30-89, Cl. 528-353.000.

Gallagher, Patrick E.: *See—*

Cella, James A.; Gallagher, Patrick E.; and Shank, Gary K., 4,808,686, Cl. 528-27.000.

Gallagher, Richard N. Handgun holster with resilient spine. 4,846,383, 7-11-89, Cl. 224-243.000.

Gallagher, Robert E., Sr., to AMP Incorporated. High density magazine for electrical connectors. 4,842,137, 6-27-89, Cl. 206-328.000.

Gallagher, Thomas A., to Van Dorn Company. Method for forming a metal cylindrical container. 4,839,491, 6-13-89, Cl. 219-117.100.

Gallagher, Thomas A.; Knowlton, Paul; and Patarini, Leon, to Van Dorn Company. Ringless paint container. 4,880,131, 11-14-89, Cl. 220-83.000.

Gallagher, Thomas D., deceased: *See—*

Akkapeddi, Murali K.; Bradley, David E.; and Gallagher, Thomas D., deceased, 4,843,127, Cl. 525-183.000.

Gallagher, William J.; and Raider, Stanley I., to International Business Machines Corporation. Superconducting device. 4,831,421, 5-16-89, Cl. 357-5.000.

Gallaher Limited: *See—*

Browning, Shane C.; Carlisle, Robert; and Wright, Alexander H., 4,870,979, Cl. 131-196.000.

Gallaher, William R., to Research Corporation Technologies, Inc. Method of prevention or treatment of AIDS by inhibition of human immunodeficiency virus. 4,880,779, 11-14-89, Cl. 514-15.000.

Galland, Gerard: *See—*

Bernard, Emile; Galland, Gerard; Vernac, Yves; and Doublier, Charles, 4,865,690, Cl. 162-4.000.

Galland Henning Nopak, Inc.: *See—*

Weil, Eric P.; and Boswell, Matthew T., 4,819,883, Cl. 241-99.000.

Galland, Sherry A., to J. R. Simplot Co. Method of preserving potatoes. 4,800,098, 1-24-89, Cl. 426-637.000.

Gallant, Chantal: *See—*

Chazard, Georges; Drapier, Julien; Gallant, Chantal; and van De Gaer, Daniel, 4,801,395, Cl. 252-99.000.

Drapier, Julien; Gallant, Chantal; and van de Gaer, Daniel, 4,857,226, Cl. 252-174.250.

Gallant, Dennis J.: *See—*

Kappers, Timothy A.; Westerfeld, Steven R.; and Gallant, Dennis J., 4,821,470, Cl. 52-36.000.

Koerber, Clement J., Sr.; Gallant, Dennis J.; and Foster, L. Dale, 4,882,566, Cl. 340-825.690.

Gallant, James O.; and Pitts, Thomas E., to SW Industries, Inc. Remote control for adjustable-curvature roll. 4,805,274, 2-21-89, Cl. 26-104.000.

Gallant, William E., to Borden, Inc. Harvesting, shucking and eviscerating clams at sea. 4,887,333, 12-19-89, Cl. 17-74.000.

Galle, Edward M., Jr.: *See—*

Cowan, William S.; and Galle, Edward M., Jr., 4,797,029, Cl. 405-170.000.

Galle, Gary L.; and Berner, Paul C., Jr., to Cameron Iron Works USA, Inc. Tubular connector. 4,844,511, 7-4-89, Cl. 285-18.000.

Galle, Gary L., to Cameron Iron Works, USA, Inc. Tension leg joint. 4,869,615, 9-26-89, Cl. 403-11.000.

Galle, Kevin; Orimo, Ryoichi; Sakurada, Masahiko; Banno, Taiichi; and Manabe, Sugio, to Olympus Optical Co., Ltd. Automatic analyzing apparatus. 4,844,887, 7-4-89, Cl. 422-65.000.

Gallego, Jose M.: *See—*

Doble, Florimel; Gallego, Jose M.; Steidl, El; and Jaffari, Cyrus, 4,826,605, Cl. 210-721.000.

Gallego, Luis V., to Talleres de Escoriaza, S.A. Improved latch bolt with selectively variable driving pin depth. 4,850,626, 7-25-89, Cl. 292-337.000.

Gallegos, John C. Shadow eliminating mounting bracket for a camera and flash unit. 4,866,465, 9-12-89, Cl. 354-126.000.

Gallegos, Rodney T. Safety light and sweat belt. 4,849,863, 7-18-89, Cl. 362-108.000.

Gallenkamp, Bernd; Wroblowsky, Heinz-Jurgen; and Bielefeldt, Dietmar, to Bayer Aktiengesellschaft. Process for the preparation of 4-substituted 1-aryl-5-amino-pyrazoles. 4,820,847, 4-11-89, Cl. 548-362.000.

Gallenkamp, Bernd; and Arold, Hermann, to Bayer Aktiengesellschaft. Preparation of 1-aryl-5-amino-pyrazoles. 4,824,960, 4-25-89, Cl. 548-362.000.

Gallenkamp, Bernd; Gunther, Andreas; Mohrmann, Karl-Heinrich; and Schmidt, Thomas, to Bayer Aktiengesellschaft. Process for preparing 1,3,5-triazinetriones. 4,874,860, 10-17-89, Cl. 544-221.000.

Gallens, Richard F.: *See—*

Webber, Jerry D.; Olson, Jay H.; and Gallens, Richard F., 4,836,412, Cl. 221-211.000.

Galler, Francis A., to Charles Stark Draper Laboratory, Inc., The. Negative resistance device local extremum seeking circuit. 4,839,832, 6-13-89, Cl. 364-552.000.

Gallerneault, Willard M.: *See—*

Fortin, Paul-Emile; and Gallerneault, Willard M., 4,861,388, Cl. 148-2.000.

Gallery, Daniel J.: *See—*

Gallery, Stanley A.; and Gallery, Daniel J., 4,823,823, Cl. 135-96.000.

Gallery, Stanley A.; and Gallery, Daniel J. Self-raising canopy for merchandising cart. 4,823,823, 4-25-89, Cl. 135-96.000.

Gallet, Adrien, to Gallet S.A. Helmet for use with respirator mask. 4,817,596, 4-4-89, Cl. 128-201.240.

Gallet, Jean-Jacques E.: *See—*

Pacault, Michel E.; and Gallet, Jean-Jacques E., 4,878,634, Cl. 244-115.000.

Gallet S.A.: *See—*

Gallet, Adrien, 4,817,596, Cl. 128-201.240.

Gallet, Yvon; and Dimier, Jean-Pierre, to Salomon S.A. Anti-friction plate which automatically recenters for safety binding. 4,869,525, 9-26-89, Cl. 280-636.000.

Galletly, George: *See—*

Gagnon, Claude; Gelineau, Claude; Raymond, Pierre; Krzelowski, Zygmunt P.; and Galletly, George, 4,886,940, Cl. 174-88.00B.

Galletti, Cesare; Gancia, Emanuele; and Quecchia, Giorgio, to INNSE Innocenti Santeustacchio S.p.A. Load-bearing structure for a continuous rolling mill for seamless tube making. 4,794,776, 1-3-89, Cl. 72-235.000.

Galletti, Pierre M.: *See—*

Aebischer, Patrick; Valentini, Robert F.; and Galletti, Pierre M. 4,878,913, Cl. 623-12.000.

Valentini, Robert F.; Aebischer, Patrick; and Galletti, Pierre M. 4,877,029, Cl. 128-334.00R.

Galli, Guglielmo; and Pasetti, Adolfo, to Ausimont S.p.A. Process for the reproduction of works of art of lithoid material. 4,824,626, 4-25-89, Cl. 264-130.000.

Galli, Roberto; and Kvita, Petr, to Ciba-Geigy Corporation. Process for the preparation of concentrated aqueous dye formulations by desalination and concentration by membrane separation in presence of sodium salt. 4,838,895, 6-13-89, Cl. 8-527.000.

Galliani, Giulio: *See—*

Omodei-Sale, Amedeo; Consonni, Pietro; and Galliani, Giulio 4,888,350, Cl. 514-384.000.

Toja, Emilio; Zirotti, Carlo; Galliani, Giulio; and Barzaghi, Fernando, 4,810,722, Cl. 514-425.000.

Toja, Emilio; Gorini, Carlo; Zirotti, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,829,079, Cl. 514-425.000.

Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,882,350, Cl. 514-425.000.

Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,885,306, Cl. 514-425.000.

Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,885,307, Cl. 514-425.000.

Gallichio, Michael J., to National Semiconductor Corporation. Antiparallel capacitor. 4,878,151, 10-31-89, Cl. 361-329.000.

Galliher, Joel D.: *See—*

Luther, Thomas A.; Ward, Robert E., Jr.; Galliher, Joel D.; and Ryan, William J., 4,843,706, Cl. 29-149.50R.

Luther, Thomas A.; Ward, Robert E., Jr.; Galliher, Joel D.; and Ryan, William J., 4,863,149, Cl. 269-8.000.

Gallimore, Bruce A. AM/FM radio with sunglass housing. 4,882,769, 11-21-89, Cl. 455-344.000.

Gallimore, Frank H., to United States of America, National Aeronautics and Space Administration. Method for maintaining precise suction strip porosities. 4,851,071, 7-25-89, Cl. 156-344.000.

Gallina Corporation: *See—*

Nett, Louis, 4,798,939, Cl. 219-438.000.

Galline, Yves; and Soria, Claude. Attaching device and tools for positioning same, especially for attaching the trochanter major to the femur. 4,889,110, 12-26-89, Cl. 606-69.000.

Gallione, Joseph: *See—*

Oury, Robert F.; and Gallione, Joseph, 4,875,569, Cl. 198-36.000.

Gallitzendorfer, Josef: *See—*

Sacco, Bruno; Gallitzendorfer, Josef; Klein, Michael V.; Jan Gerhard; and Ernst, Alfred, 4,805,962, Cl. 297-454.000.

Gallivan, James B.: *See—*

Robertson, Allan J.; and Gallivan, James B., 4,855,507, Cl. 568-12.000.

Gallix, Remy, to United States of America, Energy. Remotely replaceable tokamak plasma limiter tiles. 4,816,205, 3-28-89, Cl. 376-136.000.

Gallizio, Roberto: *See—*

Brizio, Giuseppe; Gallizio, Roberto; and Tosco, Luigi, 4,867,666, Cl. 425-190.000.

Gallmeister, Rolf-Dieter: *See—*

Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Gallmeister, Rolf-Dieter; Stratz, Thomas; and Lammers, Ludwig, 4,838,270, Cl. 128-371.000.

Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Stratz, Thomas; and Gallmeister, Rolf-Dieter, 4,880,003, Cl. 128-374.000.

Gallmeyer, William W., to Donnelly Corporation. Information display for rearview mirrors. 4,882,565, 11-21-89, Cl. 340-461.000.

Gallo, Paul: *See—*

Antonini, Joseph; and Gallo, Paul, 4,844,484, Cl. 277-153.000.

Gallo, Paul E.; Larsen, James H.; and Jurczyk, Mary K., to Dana Corporation. Two material non-asbestos gasket and method of making the same. 4,822,062, 4-18-89, Cl. 277-235.00B.

Gallo, Robert C.: *See—*

Sarngadharan, Mangalasseril G.; di Marzo Veronese, Fulvia; and Gallo, Robert C., 4,843,011, Cl. 435-240.270.

Gallone, Fiorenzo, to T.M.T.-Transmissioni Meccaniche Torino. Widely adjustable sliding unit for operating machines. 4,867,579, 9-19-89, Cl. 384-53.000.

Gallot, Bernard; and Douy, Andre, to Centre National de la Recherche Scientifique. Branched lipopeptide polymers forming thermotropic and lyotropic liquid crystals, their applications and corresponding monomers. 4,859,753, 8-22-89, Cl. 526-238.100.

Galloway, Deane E.: *See—*

Shepard, Mary E.; Galloway, Deane E.; and Lind, Keith D. 4,877,684, Cl. 428-475.800.

Galloway, James G.: *See—*

Leadbetter, Arthur N.; and Galloway, James G., 4,812,496, Cl. 524-47.000.

Monzon, Medardo; Lock, Michele R.; and Galloway, James G., 4,806,207, Cl. 162-168.100.

Galloway, Jimmie G.; Kelley, Lonny R.; Ehrhardt, Mark E.; and Fowler, Tracy A., to Exxon Production Research Company. Centrifuge processor and liquid level control system. 4,846,780, 7-11-89, Cl. 494-3.000.

Galloway, Joanne. Floating picture frame. 4,879,824, 11-14-89, Cl. 40-152.100.

Galloway, John L., to Racal-Guardall (Scotland) Limited. Security sensors. 4,843,244, 6-27-89, Cl. 250-342.000.

Galloway, Lory, to Du Pont de Nemours, E. I., and Company. Optical coating composition. 4,814,257, 3-21-89, Cl. 430-278.000.

Galloway, Michael D.; Rose, William H.; and Shaffer, David T., to AMP Incorporated. Electrical connector assembly for antiskid braking system. 4,842,525, 6-27-89, Cl. 439-34.000.

Galloway, Robert L., Jr.: *See—*

Harris, Thomas R.; and Galloway, Robert L., Jr., 4,874,949, Cl. 250-343.000.

Galloway, Ronald G. Stand for portable band saw. 4,823,666, 4-25-89, Cl. 83-788.000.

Galloway, Roy C.: *See—*

Bones, Roger J.; Galloway, Roy C.; Coetzer, Johan; and Teagle, David A., 4,795,685, Cl. 429-104.000.

Galloway, Terry R.; Green, Thomas J.; and Criswell, Dennis M., to Thermolytica Corporation. Autoclave for hazardous waste. 4,863,702, 9-5-89, Cl. 422-189.000.

Galloway, Terry R., to Thermolytic Decomposer. Hazardous waste reactor system. 4,874,587, 10-17-89, Cl. 422-189.000.

Galloway, W. Rut; and Johnson, Gary A., to Galloway, W. Rut. Greenhouse. 4,831,793, 5-23-89, Cl. 52-86.000.

Gallucci, Robert R.; and Bookbinder, Dana C., to General Electric Company. Composition comprising aromatic polycarbonate, polyolefin, ethylene vinyl alcohol copolymer, and a modified hydrogenated alkylidene vinyl aromatic block copolymer. 4,806,597, 2-21-89, Cl. 525-57.000.

Gallucci, Robert R., to General Electric Company. Misciblizing blends of polycarbonate and styrene copolymers. 4,839,426, 6-13-89, Cl. 525-146.000.

Gallucci, Robert R., to General Electric Company. Moisture reduction in polyamide compositions. 4,849,474, 7-18-89, Cl. 525-92.000.

Gallucci, Robert R.; and Bookbinder, Dana C., to General Electric Company. Multilayer composite of an ethylene-vinyl alcohol polymer tied to a thermoplastic polymer. 4,869,963, 9-26-89, Cl. 428-412.000.

Gallucci, Robert R.; van der Meer, Roelof; and Avakian, Roger W., to General Electric Company. Modified polyphenylene ether-polyamide compositions and process. 4,873,286, 10-10-89, Cl. 525-92.000.

Gallucci, Robert R.; Wroczynski, Ronald J.; Jones, James F.; and Rasch, Stefan F., to General Electric Company. Low gloss thermoplastic blends. 4,885,335, 12-5-89, Cl. 525-67.000.

Gallup, Darrell L.; and Jost, John W., to Union Oil Company of California. Use of reducing agents to control scale deposition from high temperature brine. 4,830,766, 5-16-89, Cl. 252-8.552.

Gallup, Darrell L.: *See—*

Featherstone, John L.; Spang, S. Timothy; Newell, David G.; and Gallup, Darrell L., 4,874,529, Cl. 210-713.000.

Pye, D. Stephen; Featherstone, John L.; Gallup, Darrell L.; Gritters, Gregory A.; Hoyer, Daniel P.; and Wong, Morton M., 4,869,066, Cl. 60-641.500.

Gallusser, David O., to Amphenol Corporation. Electrical connector having a contact retention. 4,850,898, 7-25-89, Cl. 439-595.000.

Gallusser, David O.: *See—*

Punako, Stephen; Williams, Warren R., Jr.; and Gallusser, David O., 4,810,209, Cl. 439-589.000.

Galluzzo, Mose A. Bone fixation pin and method of using the same. 4,869,242, 9-26-89, Cl. 128-92.0ZW.

Galobardes, Mercedes: *See—*

Maurer, Brian R.; and Galobardes, Mercedes, 4,822,936, Cl. 585-259.000.

Galosky, David G.; and Loughced, Victor R. Cartridge operated fire extinguisher. 4,887,574, 12-19-89, Cl. 169-61.000.

Galperin, Eduard I.: *See—*

Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kuzovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I., 4,847,065, Cl. 424-5.000.

Galpin, Robert K. P., to Plessey Overseas Limited. Troposcatter modem receiver. 4,890,298, 12-26-89, Cl. 375-14.000.

Galpin, Robert K. P.: *See—*

Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.

Galston, Arthur W.: *See—*

Weinstein, Leonard H.; and Galston, Arthur W., 4,818,770, Cl. 514-564.000.

Galtier Lucien; and Barthelemy, Andre , to Automobiles Peugeot; and Automobiles Citroen. Rear steering control device for an automotive vehicle with four guiding wheels. 4,869,519, 9-26-89, Cl. 280-91.000.

Galumbeck, Michael H. Stiffening module for a mattress box spring and a box spring incorporating same. 4,872,227, 10-10-89, Cl. 5-246.000.

Galun, Esra: *See—*

Niego, Shlomo; Galun, Esra; and Levy, Margalith, 4,822,949, Cl. 800-1.000.

Galutsky, Valery G.: *See—*

Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., 4,819,917, Cl. 266-51.000.

Galvagni, John; and Miller, Robert A., to AVX Corporation; and International Business Machines Corporation, part interest to each. Method of encapsulating conductors. 4,830,723, 5-16-89, Cl. 204-192.170.

Galvagni, John; Oberschmidt, James M.; and Humenik, James N., to AVX Corporation; and International Business Machines Corporation. Method of forming thin film terminations of low inductance ceramic capacitors and resultant article. 4,862,318, 8-29-89, Cl. 361-321.000.

Galvanek, Candy K.: *See—*

Nesbit, Mark S.; and Galvanek, Candy K., 4,864,646, Cl. 455-344.000.

Galvanetto, Francois: *See—*

Spiess, Hansruedi; and Galvanetto, Francois, 4,873,795, Cl. 52-20.000.

Galvin, Aaron A.; Mason, Douglas L.; Leff, Kenneth J.; Schide, John N.; and Giffone, Ralph A., to ADT, Inc. Electrical interference free projected beam smoke detector. 4,823,015, 4-18-89, Cl. 250-564.000.

Galvin, Aaron A.; Mason, Douglas L.; Leff, Kenneth J.; Schide, John N.; and Giffone, Ralph A., to ADT, Inc. Self-compensating projected-beam smoke detector. 4,827,247, 5-2-89, Cl. 340-630.000.

Galvin, Irving H. Disc launching and catching apparatus. 4,872,688, 10-10-89, Cl. 273-326.000.

Galvin, Mark W., to Marquardt Company, The. Projectile. 4,796,835, 1-10-89, Cl. 244-3.290.

Galvin, Richard W.; and Wilson, James W., to Wilson Antenna Inc. Base loaded antenna. 4,882,591, 11-21-89, Cl. 343-715.000.

Galyardt, Marv. Access platform for sliding glass windows. 4,817,759, 4-4-89, Cl. 182-36.000.

Galzy, Pierre: *See—*

Dick, Richard; Moulin, Guy; and Galzy, Pierre, 4,806,366, Cl. 426-15.000.

Gamache, Mark. Vehicle cover. 4,886,083, 12-12-89, Cl. 135-88.000.

Gamand, Patrice: *See—*

Pyndiah, Ramesh; and Gamand, Patrice, 4,845,389, Cl. 307-529.000.

Gamarnik, Iosif I.: *See—*

Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Barab-Tarle, Matus E.; Gamarnik, Iosif I.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,829,397, Cl. 361-149.000.

Gambale, Ronald J.; Hathaway, Susan J.; Longley, Kathryn L.; and Ullman, Timothy J., to General Electric Company. Carboxy-functionalized polycarbonate from carboxyphenol. 4,853,458, 8-1-89, Cl. 528-198.000.

Gambatte, Inc.: *See—*

McIntosh, Stuckey, 4,862,478, Cl. 375-1.000.

Gamberg, Murray G.: *See—*

Bell, A. Milton; Gamberg, Murray G.; and Kurzeja, Ronald, 4,828,495, Cl. 433-200.100.

Gamberini, Antonio; and Boriani, Silvano, to G.D. Societa per Azioni. Notching device for strip wrapping material. 4,802,394, 2-7-89, Cl. 83-346.000.

Gamberini, Antonio, to G.D. Societa per Azioni. Quality control device for detection of the correct shape of packets. 4,813,288, 3-21-89, Cl. 73-865.800.

Gamberini, Antonio, to G.D. Societa per Azioni. Exit stage device for a packaging line. 4,858,770, 8-22-89, Cl. 209-535.000.

Gamberini, Antonio; and Vaccari, Giorgio, to G.D. Societa' Per Azioni. Device for applying adhesive on to sheets of packing material. 4,865,679, 9-12-89, Cl. 156-497.000.

Gamberini, Antonio; and Brizzi, Marco, to G.D. Societa per Azioni. Device for transferring and applying sealing bands. 4,875,325, 10-24-89, Cl. 53-137.000.

Gamberini, Antonio; and Draghetti, Fiorenzo, to G.D. Societa per Azioni. Apparatus and method for regularly spacing apart randomly spaced objects while conveying them. 4,883,163, 11-28-89, Cl. 198-460.000.

Gamberini, Enzo, to V.B. Di Gamberini Enzo. Self-service, computer-operated, mechanical-electronic equipment for parking vehicles closely in side by side rows. 4,874,280, 10-17-89, Cl. 414-234.000.

Gamberini, Ernesto, to MG 2 S.p.A. Machine for moistening a cover to be fixed onto a base filled for example with a pharmaceutical product. 4,861,415, 8-29-89, Cl. 156-556.000.

Gambier, Gerard: *See—*

Malhouitre, Guy; Israel, Mathieu; and Gambier, Gerard, 4,818,474, Cl. 376-267.000.

Gambin, Remi: *See—*

Babel, Bernard; Josserand, Joseph; and Gambin, Remi, 4,814,574, Cl. 219-69.00W.

Gambini, Luciano: *See—*

Gatti, Gaetano; Oldani, Diego; Confalonieri, Carlo; and Gambini, Luciano, 4,840,938, Cl. 514-34.000.

Gambino, Salvatore: *See—*

Silvestri, Giuseppe; Filardo, Giuseppe; and Gambino, Salvatore, 4,828,667, Cl. 204-255.000.

Gamble, Bruce W.: *See—*

Bowling, Bruce A.; Buma, Douglas J.; Gamble, Bruce W.; and Donaldson, Robert D., 4,809,015, Cl. 346-75.000.

Gamble, Donald E.; Hunter, Harry L.; and McKinney, Gordon R., to Bristol-Myers Company. Method for treatment of male impotence. 4,840,952, 6-20-89, Cl. 514-253.000.

Gamble, Howard R.: *See—*

Murrell, Kenneth D.; Gamble, Howard R.; and Marti, Hanspeter, 4,795,633, Cl. 424-88.000.

Gamble, Joe: *See—*

Scott, Carl D.; Nagy, Kornel; Roberts, Barney B.; Ried, Robert C.; Kroll, Kenneth R.; and Gamble, Joe, 4,817,895, Cl. 244-138.00R.

Gamble, John G. Rotary displacement motor. 4,845,424, 7-4-89, Cl. 324-146.000.

Gamble, John G., to Sigma Instruments, Inc. Bistable toggling indicator. 4,864,264, 9-5-89, Cl. 335-234.000.

Gamble, Nolan D.: *See—*

Siegel, Edmond; and Gamble, Nolan D., 4,811,439, Cl. 5-475.000.

Gamblin, Rodger L., to Saranda Consolidated Limited Partnership. Substantive dyes, inks and dye baths. 4,842,646, 6-27-89, Cl. 106-22.000.

Gamblin, Rodger L.: *See—*

Lichtenberger, John A.; and Gamblin, Rodger L., 4,801,947, Cl. 346-75.000.

Gamboa, Gerardo; and Cochran, Dwayne V., to Parker Technology, Inc. Valve guide bracket. 4,861,241, 8-29-89, Cl. 417-454.000.

Gambro AB: *See—*

Aall-Flood, Kjell J.; and Carlsson, Per-Olof A. V., 4,846,787, Cl. 604-5.000.

Carlsson, Per-Olov A., 4,824,145, Cl. 285-38.000.

Orndal, Carl-Henry; Gummesson, Bengt-Ake G.; and Ericson, Bjorn-Inge, 4,797,655, Cl. 340-521.000.

Solem, Jan O.; and Pilman, Olev, 4,886,487, Cl. 604-5.000.

Gambro Dialysatoren KG: *See—*

Harttig, Erich H.; Buck, Reinhold J.; and Gohl, Hermann J., 4,812,269, Cl. 264-41.000.

Gambro Lundia AB: *See—*

Flank, Hans P.; and Staehr, Peter R., 4,838,865, Cl. 604-118.000.

Game Time, Inc.: *See—*

Shannon, William H., 4,877,236, Cl. 272-33.00R.

Gamer, Pinkhos U.: *See—*

Gainutdinova, Raisa V.; Petrova, Vera M.; Blokhina, Alevtina I.; Fridman, Boris S.; and Gamer, Pinkhos U., 4,841,991, Cl. 128-833.000.

Gami, Bipin V.; and Dunstan, Ericson, to Micropolis Corporation. Winchester disk drive motor circuitry. 4,839,754, 6-13-89, Cl. 360-73.010.

Gamm, Paul B., to Kendall Company, The. Walker. 4,800,910, 1-31-89, Cl. 135-67.000.

Gamma Biologicals, Inc.: *See—*

Meserol, Peter M.; and Acker, Jesse, 4,837,160, Cl. 436-45.000.

Gamma Lock (Proprietary) Limited: *See—*

Paizes, George, 4,881,331, Cl. 37-142.00A.

Gammache, Richard J. Miniature flashlight. 4,807,097, 2-21-89, Cl. 362-202.000.

Gammache, Richard J. Pocket flashlight. 4,827,385, 5-2-89, Cl. 362-206.000.

Gammarino, Rudolph R.; Doerning, Mark S.; and Cuccia, Barry J., to Applied Solar Energy Corporation. "MILES" transceiver display controller unit. 4,823,401, 4-18-89, Cl. 455-606.000.

Gammell, Paul M., to California Institute of Technology. Apparatus and method for range detection using the analytic signal identified from the received signal. 4,837,578, 6-6-89, Cl. 342-194.000.

Gammer, Peter, to Otto Bock Orthopaedische Industrie Besitz- und Verwaltungs-Kommanditgesellschaft. Inner hand. 4,846,843, 7-11-89, Cl. 623-57.000.

Gammerler, Gunter. Cutting knife for rotary cutting apparatus for paper. 4,840,098, 6-20-89, Cl. 83-841.000.

Gammerler, Gunter. Apparatus for changing the conveying direction of paper products or the like. 4,844,442, 7-4-89, Cl. 271-225.000.

Gammerler, Hagen. Conveying apparatus for paper products, in particular in stream form. 4,889,333, 12-26-89, Cl. 271-272.000.

Gammill, Ben B.: *See—*

Robbins, Lanny A.; and Gammill, Ben B., 4,861,919, Cl. 568-724.000.

Gammill, Floyd M. Halter with pop-release fastener means. 4,852,336, 8-1-89, Cl. 54-24.000.

Gammill, Ronald B., to Upjohn Company, The. Intermediates for antiatherosclerotic furochromones. 4,820,851, 4-11-89, Cl. 549-462.000.

Gammon, Nathan A.: *See—*

Carolla, Russell A.; and Gammon, Nathan A., 4,854,362, Cl. 152-554.000.

Gamo, Gotaro; and Kinoshita, Mitsuo, to Fanuc Ltd. Taper cutting control method and control system in wire-cut electric discharge machine. 4,843,203, 6-27-89, Cl. 219-69.120.

Gamoke, Edward C.: *See—*

Tiegs, Mark D.; and Gamoke, Edward C., 4,803,783, Cl. 33-178.00R.

Gamon, Norbert; Braunsperger, Karl; and Schneider, Otto, to Wacker-Chemie GmbH. Aqueous silicone dispersions. 4,816,506, 3-28-89, Cl. 524-96.000.

Gamon, Norbert; Solbrig, Christian; and Braunsperger, Karl, to Wacker-Chemie GmbH. Preparation and processing of mixtures containers organocyclosiloxanes. 4,888,405, 12-19-89, Cl. 528-23.000.

Gamou, Shigeo: *See—*

Nakanishi, Yutaka; Yamada, Toshihiko; and Gamou, Shigeo, 4,805,589, Cl. 126-96.000.

Gamson, Bernard W.: *See—*

Simon, Wayne E.; Sadeh, Willy Z.; Kerin, Edward R.; and Gamson, Bernard W., 4,859,347, Cl. 210-788.000.

Gana, John W. Fluid level monitor and filler assembly. 4,806,902, 2-21-89, Cl. 340-59.000.

Gana, John W. Tape dispenser. 4,807,789, 2-28-89, Cl. 225-16.000.

Ganapathy, Ichyterra: *See—*

Sharples, Thomas D., Jr.; Weitz, John C.; Ganapathy, Ichyterra; Poimboeuf, Michael; Macdonald, Hugh; and Garvin, Charles E., 4,811,325, Cl. 369-85.000.

Ganbarg, David: *See—*

Dobrez, John F.; and Ganbarg, David, 4,842,731, Cl. 210-209.000.

Gancet, Christian; Guignard, Claude; and Fourmentraux, Philippe, to Societe Nationale Elf Aquitaine. Process for carrying out enzymatic reactions in an organic solvent. 4,855,233, 8-8-89, Cl. 435-135.000.

Gancia, Emanuele: *See—*

Galletti, Cesare; Gancia, Emanuele; and Quecchia, Giorgio, 4,794,776, Cl. 72-235.000.

Gandelman, George; and Somarriba, Carlos. Battery pack for cellular telephone. 4,829,224, 5-9-89, Cl. 320-2.000.

Gandhi, Harendra S.: *See—*

Chattha, Mohinder S.; and Gandhi, Harendra S., 4,808,441, Cl. 427-386.000.

Gandhi, Sharad: *See—*

Boning, Werner; Wagner, Wolfgang; Gandhi, Sharad; Stadlmeier, Hans; and Schonberger, Franz, 4,811,306, Cl. 364-200.000.

Gandi, Robert A.: *See—*

Conoscenti, Craig S.; Gandi, Robert A.; Meduri, Gianfranco U.; and Ostrowski, David S., 4,886,496, Cl. 604-96.000.

Gandiglio, Romolo, to Fiat Auto S.p.A. Rear suspension for motor vehicles. 4,830,396, 5-16-89, Cl. 280-701.000.

Gandini, Alessandro: *See—*

Mitiakoudis, Anastassios; and Gandini, Alessandro, 4,806,623, Cl. 528-341.000.

Gandini, Luigi, to Dosa-Pack S.R.L. Process and apparatus for the production of packages of cosmetic products with powders of different characteristics. 4,887,410, 12-19-89, Cl. 53-436.000.

Gandini, Marco: *See—*

Gaidano, Roberto; Gandini, Marco; and Sartori, Mario, 4,808,947, Cl. 330-307.000.

Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoardo; Russo, Raimondo; and Tognella, Sergio, to Boehringer Biochemia Robin S.p.A. Antitussive and mucus regulating 2-substituted thiazolidines. 4,798,898, 1-17-89, Cl. 548-146.000.

Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; Tofanetti, Odoardo; and Tognella, Sergio, to Boehringer Biochemia Robin S.p.A. 1,4-dihydropyridines. 4,839,348, 6-13-89, Cl. 514-89.000.

Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; Tofanetti, Odoardo; Menta, Ernesto; and Tognella, Sergio, to Boehringer Biochemia Robin S.p.A. 2-substituted -1,4-dihydropyridines and pharmaceutical compositions containing them. 4,845,113, 7-4-89, Cl. 514-356.000.

Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoardo; Russo, Raimondo; and Tognella, Sergio, to Boehringer Biochemia Robin S.p.A. Antitussive and mucus regulating 2-substituted thiazolidines. 4,857,643, 8-15-89, Cl. 544-121.000.

Gandolfi, Carmelo A.: *See—*

Di Domenico, Roberto; Castoldi, Daniele; Spinelli, Silvano; Tofanetti, Odoardo; Tognella, Sergio; and Gandolfi, Carmelo A., 4,849,437, Cl. 514-365.000.

Gandolfi, Luciano; and Musumeci, Salvatore, to SGS Microelettronica S.p.A. Semiconductor device with a planar junction and self-passivating termination. 4,805,004, 2-14-89, Cl. 357-53.000.

Gandolfi, Luciano; and Ferla, Giuseppe, to SGS-ATES Componenti Elettronici S.p.A. Semiconductor power device formed of a multiplicity of identical parallel-connected elements. 4,881,117, 11-14-89, Cl. 357-74.000.

Gandolfo, Rino, to Minnesota Mining and Manufacturing Company. X-ray film feeding magazine usable in film handling automatic apparatus. 4,809,313, 2-28-89, Cl. 378-182.000.

Gandolfo, Rino; and Bolognese, Renato, to Minnesota Mining and Manufacturing Company. Apparatus for the daylight transfer of a video image onto a photosensitive film. 4,835,557, 5-30-89, Cl. 354-76.000.

Gandress, Jurgen: *See—*

Reinhardt, Karl H.; Dittmer, Helmut; and Gandress, Jurgen, 4,849,179. Cl. 422-89.000.

Gandrez, Jean-Francois; and Daugan, Jean-Claude, to Colgate-Palmolive Company. Napkin-knickers provided with an improved elastic arrangement. 4,883,482, 11-28-89, Cl. 604-385.200.

Gandy, Samuel E.; and Greengard, Paul, to Rockefeller University, The. Use of phosphoprotein patterns for diagnosis of neurological and psychiatric disorders. 4,874,694, 10-17-89, Cl. 435-15.000.

Gandy, William E., Jr.: *See—*

Boland, Bernard W.; Gandy, William E., Jr.; and Jackson, Kevin B., 4,870,467, Cl. 357-13.000.

Boland, Bernard W.; Gandy, William E., Jr.; and Jackson, Kevin B., 4,886,762, Cl. 437-15.000.

Gane, Patrick A. C.; and O'Neill, Graham P., to E.C.C. International Limited. Clay composition. 4,854,971, 8-8-89, Cl. 106-286.500.

Ganeaux Industries, Inc.: *See—*

Gano, David A., 4,856,747, Cl. 248-354.700.

Ganesan, Krishnamurthy: *See—*

Ailion, David C.; Case, Thomas A.; and Ganesan, Krishnamurthy, 4,818,937, Cl. 324-309.000.

Ganesan, Madurai: *See—*

Desai, Narendra R.; Shinal, Edward C.; Ganesan, Madurai; and Carpentier, Eugene A., 4,816,247, Cl. 424-80.000.

Ganesan, Pasupathy: *See—*

Smith, Gaylord D.; Tassen, Curtis S.; Ganesan, Pasupathy; and Wheeler, Jack M., 4,877,461, Cl. 148-11.50N.

Gangarosa, Raymond E.; Patrick, Edward A.; Fattu, James M.; and Green, Andrew S., to Picker International, Inc. Integrated expert system for medical imaging scan, set-up, and scheduling. 4,835,690, 5-30-89, Cl. 364-413.130.

Gange, David M.: *See—*

Alvarado, Sergio I.; Crews, Alvin D., Jr.; Wepplo, Peter J.; Doehner, Robert F., Jr.; Brady, Thomas E.; Gange, David M.; and Little, Desiree L., 4,883,914, Cl. 564-91.000.

Ganger, Jeffrey D.; and Whatley, Roger A., to Motorola, Inc. Low power output driver circuit with slew rate limiting. 4,857,863, 8-15-89, Cl. 330-264.000.

Gangsaas, Dagfinn; and Norman, Daniel C., to Boeing Company, The. Maneuver enhancement and gust alleviation system. 4,821,981, 4-18-89, Cl. 244-76.00C.

Gangsaas, Dagfinn: *See—*

Blight, James D.; and Gangsaas, Dagfinn, 4,849,900, Cl. 364-434.000.

Chakravarty, Abhijit J. M.; Gangsaas, Dagfinn; and Moore, John B., 4,879,643, Cl. 364-148.000.

Ganguly, Ashit K.; Friary, Richard J.; Schwerdt, John H.; Siegel, Marvin I.; Smith, Sidney R.; Seidl, Vera A.; and Sybertz, Edmund J., to Schering Corporation. Polycyclic quinoline, naphthyridine and pyrazinopyridine derivatives. 4,810,708, 3-7-89, Cl. 514-278.000.

Ganguly, Ashit K.: *See—*

Girijavallabhan, Viyyoor M.; Ganguly, Ashit K.; Pinto, Patrick A.; and Versace, Richard W., 4,814,442, Cl. 540-310.000.

Girijavallabhan, Viyyoor M.; Ganguly, Ashit K.; Pinto, Patrick A.; and Versace, Richard W., 4,851,423, Cl. 514-399.000.

Piwinski, John J.; Green, Michael J.; Ganguly, Ashit K.; Wong, Jesse K.; Katchen, Bernard; and Cramer, Jeffrey, 4,804,666, Cl. 514-278.000.

Piwinski, John J.; Ganguly, Ashit K.; Green, Michael J.; Villani, Frank J.; and Wong, Jesse, 4,826,853, Cl. 514-290.000.

Ganik, Jan: *See—*

Gidseg, Edward D.; and Ganik, Jan, 4,864,691, Cl. 16-312.000.

Ganin, Eti: *See—*

Davari, Bijan; Ganin, Eti; Harame, David L.; and Sai-Halasz, George A., 4,889,819, Cl. 437-27.000.

Gannaway, Edwin L., to Tecumseh Products Co. Compressor lubrication system including shaft seals. 4,834,627, 5-30-89, Cl. 417-415.000.

Gannaway, Edwin L., to Tecumseh Products Company. High side scotch yoke compressor. 4,838,769, 6-13-89, Cl. 417-312.000.

Gannaway, Edwin L., to Tecumseh Products Company. Compressor discharge muffler having cover plate. 4,842,492, 6-27-89, Cl. 417-312.000.

Gannaway, Edwin L., to Tecumseh Products Company. Suction line adaptor and filter for a hermetic compressor. 4,844,705, 7-4-89, Cl. 417-313.000.

Gannaway, Edwin L.; and Ortiz, Arturo L., to Tecumseh Products Company. Twin rotary compressor with suction accumulator. 4,889,475, 12-26-89, Cl. 417-350.000.

Gannaway, Edwin L.: *See—*

Fry, Emanuel D.; and Gannaway, Edwin L., 4,846,635, Cl. 417-410.000.

Gatecliff, George W.; and Gannaway, Edwin L., 4,834,632, Cl. 417-534.000.

Gannaway, Richard M. Combination sink spray and water filter apparatus. 4,863,103, 9-5-89, Cl. 239-289.000.

Gannis, Peter M.; Wilkins, Howard; and Holloway, Oris E., Jr., to Nabisco Brands, Inc. Process for honey-roasting nuts. 4,822,625, 4-18-89, Cl. 426-93.000.

Gannis, Peter M.: *See—*

Holloway, Oris E., Jr.; Wilkins, Howard; and Gannis, Peter M., 4,828,858, Cl. 426-293.000.

Gannon, Raymond, to FGL Projects Limited. Valve and containers incorporating the same. 4,798,324, 1-17-89, Cl. 229-125.350.

Gannon, Raymond, to FGL Projects Limited. Vacuum flow device. 4,799,863, 1-24-89, Cl. 417-84.000.

Gano, David A., to Ganeaux Industries, Inc. Ratchet jack stand. 4,856,747, 8-15-89, Cl. 248-354.700.

Gano, David A.: *See—*

Gano, Richard E.; Gano, David A.; and Garbe, Heinz-Siegfried, 4,831,856, Cl. 72-149.000.

Gano, John C., to Otis Engineering Corporation. Landing nipple and plug. 4,796,698, 1-10-89, Cl. 166-135.000.

Gano, Richard E.; Gano, David A.; and Garbe, Heinz-Siegfried, to Tru-Cut Die Corp. Heat exchanger coil bending apparatus and method. 4,831,856, 5-23-89, Cl. 72-149.000.

Ganong, William F., III: *See—*

Feldman, Joel A.; Ganong, William F., III; and Bradner, Scott, 4,799,262, Cl. 381-43.000.

Ganse, Keizo: *See—*

Yasunaka, Shinsaku; Ganse, Keizo; and Nakano, Hideharu, 4,845,847, Cl. 30-34.100.

Ganser, Hans G.; Schafer, Ralf; and Stormberg, Hans-Peter, to U.S. Philips Corp. Circuit arrangement for operating a high-pressure gas discharge lamp. 4,816,721, 3-28-89, Cl. 315-241.00R.

Ganser, Hans G.; Schafer, Ralf; and Stormberg, Hans-Peter, to U.S. Philips Corporation. Heatable electrode for high-pressure gas discharge lamps. 4,839,560, 6-13-89, Cl. 313-628.000.

Ganser, Hans-Gunther; Schafer, Ralf; and Stormberg, Hans-Peter. Circuit for operating gas discharge lamps with a periodically alternating lamp current. 4,888,524, 12-19-89, Cl. 315-200.00R.

Ganser-Hydromag: *See—*

Ganser, Marco A., 4,798,186, Cl. 123-467.000.

Ganser, Marco A., 4,838,231, Cl. 123-467.000.

Ganser, Marco A., to Ganser-Hydromag. Fuel injector unit. 4,798,186, 1-17-89, Cl. 123-467.000.

Ganser, Marco A. Fuel injection device for internal combustion engines. 4,826,080, 5-2-89, Cl. 239-88.000.

Ganser, Marco A., to Ganser-Hydromag. Electronically controlled fuel injection system. 4,838,231, 6-13-89, Cl. 123-467.000.

Ganser, Volker: *See—*

Weiershausen, Ute; Ganser, Volker; and Satzinger, Gerhard, 4,861,770, Cl. 514-211.000.

Ganson, Dietmar; Schutz, Heinz; and Zetz, Mel, to Didier-Werke AG. Gas purging assembly for supplying gas to molten metal in a metallurgical vessel. 4,815,715, 3-28-89, Cl. 266-268.000.

Gansow, Michael A. P., to Dow Chemical (Nederland) B.V. Preparation of polyether compositions. 4,877,879, 10-31-89, Cl. 544-402.000.

Gansow, Michael A. P.: *See—*

Marugg, J. E.; Gansow, Michael A. P.; and Thoen, J. A., 4,883,826, Cl. 521-164.000.

Gansow, Otto, to United States of America, Health and Human Services. Metal chelate protein conjugate. 4,824,986, 4-25-89, Cl. 558-17.000.

Gansow, Otto A.; and Brechbiel, Martin W., to United States of America, Health and Human Services. Backbone polysubstituted chelates for forming a metal chelate-protein conjugate. 4,831,175, 5-16-89, Cl. 558-17.000.

Gansser, Robert: *See—*

Cotter, Terrence; Anderson, Theodore; Gansser, Robert; and Kryk, Louis, 4,823,441, Cl. 23-313.00R.

Ganster, Otto: *See—*

Neuhaus, Alfred; Ganster, Otto; and Mengal, Manfred, 4,882,363, Cl. 521-122.000.

Gant, Alan D.; Nobles, David A.; Jones, Thomas M.; and Kimmel, Arthur T., to Convex Computer Corporation. Input/output bus for system which generates a new header parcel when an interrupted data block transfer between a computer and peripherals is resumed. 4,868,742, 9-19-89, Cl. 364-200.000.

Gant, Eugene; and Spangler, Richard. Workpiece holding assembly for a chuck. 4,796,900, 1-10-89, Cl. 279-123.000.

Gant, Preston L., to Conoco Inc. Method for making a partitioning radioactive tracer. 4,857,234, 8-15-89, Cl. 252-645.000.

Gant, Preston L.: *See—*

Casad, Burton M.; and Gant, Preston L., 4,876,449, Cl. 250-259.000.

Gante, Joachim: *See—*

Raddatz, Peter; Gante, Joachim; Schmitges, Claus J.; Minck, Klaus Otto; Sombroek, Johannes; and Holzemann, Gunter, 4,829,053, Cl. 514-18.000.

Gantenbein, Dieter; Gfeller, Fritz R.; and Mumprecht, Eduard P., to International Business Machines Corporation. Hierarchical distributed infrared communication system. 4,809,257, 2-28-89, Cl. 370-4.000.

Ganter, Wolfgang: *See—*

Allgaier, Jurgen; Ganter, Wolfgang; Hodapp, Wolfram; Kopf, Arthur; and Maurer, Roland, 4,860,268, Cl. 368-47.000.

Holzschuh, Wolfgang; and Ganter, Wolfgang, 4,803,544, Cl. 357-72.000.

Gantke, Franz, to Georg Fischer Aktiengesellschaft. Connecting element for offshore drilling rig. 4,881,851, 11-21-89, Cl. 405-204.000.

Gantz, Vernon C.; and Elliott, Robert H., to Dayton Reliable Tool & Mfg. Co. Upstacking device for a shell conversion press. 4,822,232, 4-18-89, Cl. 414-795.300.

Gantzhorn, John E., Jr.; McCloud, John W., II; Sota, Koichi; and Taniguchi, Jun, to Otari Electric Company, Ltd. Tape transporting device. 4,814,899, 3-21-89, Cl. 360-16.000.

Gantzhorn, John E., Jr.; and Sota, Koichi, to Otari Electric Company, Ltd. Tape transporting device. 4,843,487, 6-27-89, Cl. 360-17.000.

Gantzhorn, John E., Jr.: *See—*

Billings, Wayne E.; Phillips, Robert F.; and Gantzhorn, John E., Jr., 4,882,636, Cl. 360-16.000.

Gantzhorn, Walter: *See—*

Zweigart, Gerhard; Belke, Werner; Gunther, Ewald; and Gantzhorn, Walter, 4,842,328, Cl. 296-214.000.

Ganz, Walter C., to Walgan Corporation. Simplified retractable tip writing instrument. 4,844,640, 7-4-89, Cl. 401-116.000.

Ganze, Akira: *See—*

Ikebuchi, Iwao; Nakano, Mamoru; Fuse, Kazuo; and Ganze, Akira, 4,872,973, Cl. 209-144.000.

Ganzke, Jurgen; Jahn, Dieter; and Kritzner, Bruno, to Du Pont de Nemours, E. I., and Company. Process and device for treating a photographic recording material. 4,853,727, 8-1-89, Cl. 354-319.000.

GAO Gesellschaft fur Automation und Organisation mbH: *See—*

Effing, Wolfgang, 4,853,526, Cl. 235-492.000.

Haghiri-Tehrani, Yahya; and Hoppe, Joachim, 4,803,542, Cl. 357-72.000.

Haghiri-Tehrani, Yahya; and Hoppe, Joachim, 4,829,666, Cl. 29-841.000.

Hoppe, Joachim, 4,852,911, Cl. 283-82.000.

Leuthold, Karl; Maul: Herbert; Troger, Walter; and Serester, Alexander, 4,878,626, Cl. 241-57.000.

Gao, Shi-Yang: *See—*

Pshtissky, Yacov A.; and Gao, Shi-Yang, 4,860,101, Cl. 358-149.000.

Gao, Yingqi: *See—*

Wu, Tengzhao; Gao, Yingqi; and Zhen, Yongzhang, 4,833,366, Cl. 313-618.000.

Gapchenko, Leonid M.: *See—*

Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Skuridin, Vladimir P.; Gorshkov, Nikolai V.; Kovtun, Valery D.; Gapchenko, Leonid M.; and Vozovik, Anton V., 4,811,327, Cl. 369-111.000.

Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.

Gapinski, D. Mark, to Eli Lilly and Company. Diphenylmethanone compounds and anti-inflammatory use thereof. 4,801,616, 1-31-89, Cl. 514-381.000.

Garabedian, Arthur; and Thompson, William R., to Western Mobile Telephone Co. Control circuit for mobile telephone with full duplex operation capability. 4,811,390, 3-7-89, Cl. 379-390.000.

Garafano, Ronald D. Shirt construction and adapter. 4,825,472, 5-2-89, Cl. 2-141.00A.

Garagnani, Enea: *See—*

Bassi, Mauro; Garagnani, Enea; and Gorini, Giuseppe, 4,889,888, Cl. 525-75.000.

Garakani, Reza G. Apparatus for three-dimensional viewing. 4,807,965, 2-28-89 Cl. 350-131.000.

Garau, Enrico: *See—*

De Alessi, Renato; and Garau, Enrico, 4,844,194, Cl. 180-125.000.

Ercole, Maurizio; De Alessi, Renato; and Garau, Enrico, 4,848,005, Cl. 33-568.000.

Garavaglia, Carlo: *See—*

Colle, Roberto; Ratti, Giuseppina; Garavaglia, Carlo; and Mirenna, Luigi, 4,810,718, Cl. 514-383.000.

Menconi, Augusto; Camaggi, Giovanni; Gozzo, Franco; Mirenna, Luigi; and Garavaglia, Carlo, 4,874,786, Cl. 514-528.000.

Garay, Anne-Ly: *See—*

Garay, Gabriel L.; Garay, Anne-Ly; and Tacy, Robert, 4,861,268, Cl. 433-229.000.

Garay, Gabriel L.; Garay, Anne-Ly; and Tacy, Robert, to Transpharm Group. Tooth-anchored beneficial agent delivery device. 4,861,268, 8-29-89, Cl. 433-229.000.

Garay, Oscar M.; Balzano, Quirino; and Manning, Thomas J., to Motorola, Inc. Integral laminar antenna and radio housing. 4,800,392, 1-24-89, Cl. 343-700.0MS.

Garay, Oscar M.: *See—*

Balzano, Quirino; and Garay, Oscar M., 4,800,395, Cl. 343-895.000.

Garbassi, Fabio; Occhiello, Ernesto; and Malatesta, Vincenzo, to Montedison S.p.A. Process of photoetching of superficial coatings based on polymeric materials. 4,826,755, 5-2-89, Cl. 430-322.000.

Garbe, Heinz-Siegfried: *See—*

Gano, Richard E.; Gano, David A.; and Garbe, Heinz-Siegfried, 4,831,856, Cl. 72-149.000.

Garbe, Heyno; Hansen, Diethard; and Konigstein, Dietrich, to BBC Brown Boveri AG. Emp generator. 4,845,378, 7-4-89, Cl. 307-106.000.

Garber, David A.: *See—*

Goldstein, Ronald E.; and Garber, David A., 4,830,615, Cl. 433-166.000.

Garber, Frank R. Corrosion inhibitor for salt-based deicing compositions. 4,803,007, 2-7-89, Cl. 252-70.000.

Garber, Richard I.: *See—*

Cox, Thomas B.; and Garber, Richard I., 4,832,757, Cl. 148-12.00B.

Garbett, Keith, to Cameron Iron Works USA, Inc. Blowout preventer testing apparatus. 4,862,960. 9-5-89, Cl. 166-86.000.

Garbett, Paul: *See—*

Aston, Walter J.; and Garbett, Paul, 4,866,962, Cl. 70-277.000.

Garbini, Joseph L.; Albrecht, Laurence J.; Jorgensen, Jens E.; and Mauer, George F., to Washington Research Foundation. Fringe field capacitive sensor for measuring profile of a surface. 4,814,691, 3-21-89, Cl. 324-61.00R.

Garbini, Joseph L.: *See—*

Chalupnik, James D.; Garbini, Joseph L.; and Jorgensen, Jens E., 4,841,224, Cl. 324-61.00P.

Garbinski, Paul A.: *See—*

Antreasyan, Arsam; Garbinski, Paul A.; Mattera, Vincent D., Jr.; and Temkin, Henryk, 4,873,558, Cl. 357-23.200.

Garbo, Greta M.: *See—*

Morgan, Alan R.; Selman, Steven H.; Garbo, Greta M.; and Keck, Rick W., 4,877,872, Cl. 540-145.000.

Garbo, Paul W. Liquid fuel combustion with porous fiber burner. 4,865,543, 9-12-89, Cl. 431-166.000.

Garbrecht, William L.; Marzoni, Gifford P.; and Fludzinski, Pawel, to Eli Lilly and Company. Ergoline esters useful as serotonin antagonists. 4,835,159, 5-30-89, Cl. 514-288.000.

Garbrecht, William L.; Marzoni, Gifford P.; and Whitten, Kathleen R., to Eli Lilly and Company. Alkoxy cycloalkanol esters of dihydrolysergic acid having peripheral serotonin antagonists properties. 4,847,261, 7-11-89, Cl. 514-288.000.

Garbrecht, William L.: *See—*

Cohen, Marlene L.; Fuller, Ray W.; Garbrecht, William L.; and Whitten, Kathleen R., 4,810,710, Cl. 514-288.000.

Marzoni, Gifford P.; and Garbrecht, William L., 4,820,713, Cl. 514-288.000.

Whitten, Kathleen R.; Garbrecht, William L.; Marzoni, Gifford P.; and Parli, C. John, 4,845,224, Cl. 546-69.000.

Garbrick, Randy. Tool and method for assisting the extraction of a wire from a connector. 4,860,440, 8-29-89, Cl. 29-825.000.

Garcera, Daniel; and Gillot, Jacques, to Societe Anonyme dite: Societe des Ceramizues Techniques. Method of assembling a ceramic support separator element module and resulting module. 4,849,104, 7-18-89, Cl. 210-323.200.

Garcia, Agustin M.: *See—*

Cochran, William T.; Garcia, Agustin M.; Hills, Graham W.; and Yeh, Jenn L., 4,832,789, Cl. 156-644.000.

Garcia, Calixto I.: *See—*

DeArdo, Anthony J., Jr.; Garcia, Calixto I.; and Ratz, George A., 4,813,580, Cl. 222-590.000.

Garcia, Dana: *See—*

Percec, Virgil; Nicholas, Paul P.; and Garcia, Dana, 4,871,816, Cl. 525-393.000.

Garcia, David J., to Tandem Computers Incorporated. Scan test apparatus for digital systems having dynamic random access memory. 4,827,476, 5-2-89, Cl. 371-25.000.

Garcia, E. C.: *See—*

Smith, D. W.; Kennedy, R. D.; and Garcia, E. C., 4,838,701, Cl. 366-136.000.

Garcia, Evaristo, Jr.: *See—*

Welch, Michael T.; McMann, Ronald E.; Torreno, Manuel L., Jr.; Garcia, Evaristo, Jr.; and Brighton, Jeffrey E., 4,795,722, Cl. 437-192.000.

Welch, Michael T.; McMann, Ronald E.; Torreno, Manuel L., Jr.; and Garcia, Evaristo, Jr., 4,862,243, Cl. 357-51.000.

Garcia, Felix, Jr., to Texas Instruments Incorporated. Three dimensional color display and system. 4,871,231, 10-3-89, Cl. 350-144.000.

Garcia, Firmin: *See—*

Brunet, Michel; and Garcia, Firmin, 4,801,093, Cl. 239-490.000.

Garcia, Frank, to Arthur Matney Company. Display package for a cosmetic article. 4,805,766, 2-21-89, Cl. 206-45.340.

Garcia, Frank, to Arthur Matney Company, Inc. Display package for a cosmetic article. 4,867,304, 9-19-89, Cl. 206-45.340.

Garcia-Garcia, Jose, to Esperanza y Cia, S.A. Army mortar shell. 4,833,993, 5-30-89, Cl. 102-340.000.

Garcia, Georges: *See—*

Barbier, Alain; Breliere, Jean-Claude; and Garcia, Georges, 4,876,247, Cl. 514-89.000.

Breliere, Jean C.; Emonds-Alt, Xavier; and Garcia, Georges, 4,876,248, Cl. 514-108.000.

Garcia, Gilbert C.; and Valdes, Rodolfo G. Cart for positioning a body on a toilet. 4,888,833, 12-26-89, Cl. 4-480.000.

Garcia, Graham A.; and Reedy, Ronald E., to United States of America, Navy. Thin-film integrated injection logic. 4,843,448, 6-27-89, Cl. 357-36.000.

Garcia, John D., II, to American Telephone and Telegraph Company, AT&T Bell Laboratories. High-frequency resonant power converter. 4,823,249, 4-18-89, Cl. 363-48.000.

Garcia, Jose, Jr. Load stabilizer for cargo carrying vehicle. 4,815,905, 3-28-89, Cl. 410-128.000.

Garcia, Jose G., to Esperanza y Cia, S.A. Bipod mortar stand, comprising one support mechanism and one lifting mechanism. 4,813,638, 3-21-89, Cl. 248-171.000.

Garcia, Jose G., to Esperanza y Cia, S.A. Mortar carrier projectile. 4,815,390, 3-28-89, Cl. 102-489.000.

Garcia, Jose G., to Esperanza y Cia., S.A. Mechanism for fastening the barrel in a mortar unit. 4,869,153, 9-26-89, Cl. 89-37.050.

Garcia, Jose N. Kit and process for use in making a representation of a selected portion of a person's body. 4,828,116, 5-9-89, Cl. 206-575.000.

Garcia, Larry. Golf putter. 4,881,739, 11-21-89, Cl. 273-164.000.

Garcia-Mallol, Juan A., to Foster Wheeler Energy Corporation. Fluidized bed reactor and method of operating same. 4,809,623, 3-7-89, Cl. 110-347.000.

Garcia-Mallol, Juan A.; and Alliston, Michael G., to Foster Wheeler Energy Corporation. Method of operating a fluidized bed reactor. 4,809,625, 3-7-89, Cl. 110-347.000.

Garcia, Manuel, Jr. Solar powered light. 4,816,970, 3-28-89, Cl. 362-183.000.

Garcia, Marcel; and Suillerot, Didier, to Societe Anonyme de Telecommunications; and SILEC (Societe Industrielle de Liaisons Electriques). Device and process for spreading optical fibers emerging from a cable to be connected. 4,795,230, 1-3-89, Cl. 350-96.200.

Garcia, Mario C., to Prevent Products, Inc. Ankle support bandage for prevention of ankle injury. 4,875,476, 10-24-89, Cl. 128-157.000.

Garcia, Michel. Device for folding or retracting a bed, or its analogue into a false ceiling. 4,853,989, 8-8-89, Cl. 5-10.00B.

Garcia, Ricardo: *See—*

McLaughlin, William; Lee, Doug; and Garcia, Ricardo, 4,881,308, Cl. 29-25.420.

Garcia, Richard. Emergency seat belt cutter. 4,815,211, 3-28-89, Cl. 30-162.000.

Garcia, Richard: *See—*

Lucas, George A., Jr.; and Garcia, Richard, 4,805,307, Cl. 30-294.000.

Garcia, Richard R.; and Sites, Royal H., to Ranco Incorporated. Temperature sensing apparatus and method of making same. 4,881,057, 11-14-89, Cl. 338-28.000.

Garcia, Ruben G.: *See—*

Daniels, Donald L., Jr.; and Garcia, Ruben G., 4,847,310, Cl. 524-35.000.

Garcia-Serra, Mario J. Encoding system capable of use with an optical scanner and serving as a man-machine interface language. 4,833,720, 5-23-89, Cl. 382-11.000.

Garcia, Virgilio N.; Hearn, Alan S.; and Sparks, Steven E., to Texas Instruments Incorporated. Enabled clock circuit. 4,831,286, 5-16-89, Cl. 307-480.000.

Garcia, Virgilio N., to Texas Instruments Incorporated. Gas register file having a plurality of latches. 4,879,683, 11-7-89, Cl. 365-189.050.

Garcia, Wolfgang: *See—*

Velasco R, Leon E.; Hidalgo, Rafael O.; Rodriguez, Joaquin; and Garcia, Wolfgang, 4,795,548, Cl. 208-131.000.

Gard, Michael F.; Kingman, John E. E.; and Klein, James D., to Atlantic Richfield Company. Method and apparatus for measuring the electrical resistivity of geologic formations through metal drill pipe or casing. 4,837,518, 6-6-89, Cl. 324-368.000.

Gard, Michael F., to Atlantic Richfield Company. Detection of water saturation in insulation at cased road crossings. 4,853,616, 8-1-89, Cl. 324-65.00R.

Gardaix-Luthereau, Renee: *See—*

Acher, Jacques; Monier, Jean-Claude; Schmitt, Jean-Paul; Gardaix-Luthereau, Renee; Costall, Brenda; and Naylor, Robert, 4,835,172, Cl. 514-392.000.

Gardano, Andrea; Casagrande, Francesco; Foa, Marco; Petrini, Guido; Barisone, Riccardo; and Chapoy, Lawrence, to Montedison S.p.A. Process for the hydrogenation of bis-phenols. 4,885,409, 12-5-89, Cl. 568-834.000.

Garde, Anand M., to Combustion Engineering, Inc. Ductile irradiated zirconium alloy. 4,879,093, 11-7-89, Cl. 420-422.000.

Garde, Douglas, to Analog Devices, Inc. Multi-port register file with flow-through of data. 4,811,296, 3-7-89, Cl. 365-189.000.

Gardellini, Vedasto. Paper currency acceptor and method of handling paper currency for vending machines and the like. 4,884,671, 12-5-89, Cl. 194-207.000.

Garden America Corporation: *See—*

McInnis, Patrick M., 4,795,857, Cl. 174-138.00F.

Gardenier, John; and Maiuccoro, John. Hydrotherapy massage unit. 4,860,392, 8-29-89, Cl. 4-542.000.

Gardette, Jean-Luc: *See—*

Arnaud, Rene; Gardette, Jean-Luc; and Lamaire, Jacques, 4,874,952, Cl. 250-455.100.

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Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.

Gardikes, John J.: *See—*

Fechter, Robert B.; and Gardikes, John J., 4,852,629, Cl. 164-16.000.

Gardin, Gilles D.: *See—*

Movilliat, Pierre A.; Piegay, Yves; and Gardin, Gilles D., 4,875,679, Cl. 273-73.00R.

Gardiner, Kenneth W.; Hori, Tatsu; and Mangal, Norman F., to Savin Corporation. Photoconductive drum cleaning apparatus. 4,890,135, 12-26-89, Cl. 355-299.000.

Gardiner, Loretta L. Knitting and crochet needle kit. 4,846,351, 7-11-89, Cl. 206-574.000.

Gardiner, Roy J. W., to Sports Bio-Mechanics Research Inc. Measurement of the neutral alignment position of the foot. 4,802,494, 2-7-89, Cl. 128-779.000.

Gardiner, William, to Dow Corning, Ltd. Liquid organopolysiloxane compositions. 4,840,743, 6-20-89, Cl. 252-49.600.

Gardlik, John M., to Procter & Gamble Company, The. Oxa-fenchyl amines useful for preparing high intensity sweeteners. 4,883,888, 11-28-89, Cl. 549-463.000.

Gardner, Arthur M. N.; and Fox, Roger H., to Novamedix Limited. Pressure appliance for the hand for aiding circulation. 4,809,684, 3-7-89, Cl. 128-64.000.

Gardner, Arthur M. N.; and Fox, Roger H., to Electro-Biology, Inc. Apparatus for inducing venous-return flow from the leg. 4,841,956, 6-27-89, Cl. 128-64.000.

Gardner, Arthur M. N.; and Fox, Roger H., to Novamedix Limited. Method of promoting circulation in the hand. 4,846,160, 7-11-89, Cl. 128-64.000.

Gardner, Bronson; Keener, Melvin E.; DeSutter, Steven C.; Jagatich, Carl T.; and Felice, Ralph A., to Standard Oil Company, The. Apparatus for determining water stress in crops. 4,876,647, 10-24-89, Cl. 364-420.000.

Gardner, Charles W., Jr.: *See—*

Schmitt, Paul W.; and Gardner, Charles W., Jr., 4,818,976, Cl. 340-605.000.

Gardner, Chester S.; Schroeder, Kirk S.; and Kast, Richard, to University of Illinois. Method and apparatus for determining pupillary response parameters. 4,850,691, 7-25-89, Cl. 351-221.000.

Gardner, Christopher: *See—*

Jones, Theodore A., 4,803,939, Cl. 114-39.100.

Gardner, Christopher H.: *See—*

Weinle, Paul L.; Smith, Vernon C.; Gardner, Christopher H.; Peoples, Clarence A., Jr.; and Pierce, Matthew R., 4,840,832, Cl. 428-156.000.

Gardner, Colin R.; and Hedgecock, John R., to Roussel Uclaf. Novel imidazobenzodiazepines. 4,868,176, 9-19-89, Cl. 514-220.000.

Gardner, David A.; Ryan, James G.; Schaefer, Joseph G.; and Walton, Erick G., to International Business Machines Corporation. Chromium-titanium alloy. 4,840,302, 6-20-89, Cl. 228-123.000.

Gardner, David L.: *See—*

Benton, Ben F.; and Gardner, David L., 4,876,094, Cl. 424-491.000.

Gardner, David M.; McElligott, Paul J.; and Clark, Roger T., to Pennwalt Corporation. Process for preparing amines from olefins with ammonium halide catalysts. 4,827,031, 5-2-89, Cl. 564-485.000.

Gardner, David M.; Wheaton, Gregory A.; and Nosowitz, Martin, to Pennwalt Corporation. Purification of alkanesulfonyl chlorides. 4,876,048, 10-24-89, Cl. 260-543.00R.

Gardner, Deane: *See—*

Bibl, Andreas; Higginson, John; and Gardner, Deane, 4,878,071, Cl. 346-153.100.

Gardner, Donald. Planter trash guard. 4,878,443, 11-7-89, Cl. 111-141.000.

Gardner, E. Boyd, to Emhart Industries, Inc. Apparatus and method for controlling the shear mechanism of a glassware forming machine. 4,876,652, 10-24-89, Cl. 364-473.000.

Gardner, Edward A.: *See—*

Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,811,278, Cl. 364-900.000.

Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,825,406, Cl. 364-900.000.

Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,837,675, Cl. 364-200.000.

Gardner, Edward R., to Iscar Ltd. Method for fabricating cutting pieces. 4,849,602, 7-18-89, Cl. 219-121.710.

Gardner, Elmer W., Jr. Electrohydraulic vehicle drive system. 4,865,152, 9-12-89, Cl. 180-305.000.

Gardner, Gary L., Sr., to Dow Chemical Company, The. Process and apparatus for controlling gasket force in electrolysis cells. 4,846,951, 7-11-89, Cl. 204-256.000.

Gardner, Gary L., Sr.; Pimlott, John R.; Dang, Hiep D.; and Hicks, Roy L., to Dow Chemical Company, The. Flat plate electrolysis cell frame separator and method. 4,846,952, 7-11-89, Cl. 204-279.000.

Gardner, Geno P. Adjustable spacer device. 4,874,189, 10-17-89, Cl. 285-39.000.

Gardner, Harris L.; and Reardon, Lance J. Super sole inner-sole. 4,862,605, 9-5-89, Cl. 36-43.000.

Gardner, Harry E., to U.S. Vanadium Corporation. Recovery of vanadium and nickel from petroleum residues. 4,816,236, 3-28-89, Cl. 423-65.000.

Gardner, Hugh C.; and Newman-Evans, Richard H., to Amoco Corporation. Cyanate ester with urea latent cure accelerator. 4,804,740, 2-14-89, Cl. 528-422.000.

Gardner, Hugh C.; and Domeier, Linda A., to Union Carbide Corporation. Method of molding fiber reinforced articles. 4,834,933, 5-30-89, Cl. 264-257.000.

Gardner, Hugh C.; Colon, Ismael; and Robeson, Lloyd M., to Amoco Corporation. Crosslinkable, crystallizable polyarylethers and composites therefrom. 4,837,256, 6-6-89, Cl. 524-141.000.

Gardner, James D.; Mitchell, Hal D.; Stickley, Paul F.; Taylor, Alvin E.; and Wilson, Edward J., to Figgie International, inc. Athletic pants. 4,850,056, 7-25-89, Cl. 2-227.000.

Gardner, James H.: *See—*

deNevers, Noel H.; Gardner, James H.; and Norton, Robert M., 4,809,522, Cl. 62-457.000.

Gardner, John A., to Mechatherm Engineering Limited. Shearing method and apparatus. 4,846,029, 7-11-89, Cl. 83-13.000.

Gardner, John E., Jr. X-ray film positioner. 4,833,699, 5-23-89, Cl. 378-170.000.

Gardner, John F.; and Morton, Gerald H., to Xomox Corporation. Butterfly valve assembly and method of making same. 4,809,948, 3-7-89, Cl. 251-107.000.

Gardner, Joseph P.: *See—*

Getson, Edward F., Jr.; Bradley, John W.; Gardner, Joseph P.; and Votolato, Alfred F., 4,888,727, Cl. 364-900.000.

Gardner Jr., Elmer W. Electrohydraulic/air screw engine. 4,825,656, 5-2-89, Cl. 60-668.000.

Gardner, Keith; Longman, Robert J.; Pettigrew, Robert M.; and Welford, Walter T., to Plasmon Data Systems, N.V. Interferometers. 4,802,736, 2-7-89, Cl. 350-163.000.

Gardner, Kenneth; and Hunt, Rowland D., to Clamshell Partners, Ltd. Viewing structure. 4,879,848, 11-14-89, Cl. 52-8.000.

Gardner, Kenneth: *See—*

Hunt, Rowland D.; and Gardner, Kenneth, 4,885,877, Cl. 52-2.000.

Gardner, Kenneth H. Wrist watch. 4,879,702, 11-7-89, Cl. 368-282.000.

Gardner, Kenneth J., to Monsanto Company. Crosslinker compositions comprising amino resins, epoxies and styrene allyl alcohol copolymers. 4,808,652, 2-28-89, Cl. 524-376.000.

Gardner, Leland V., to Santa Barbara Research Center. Two directional angle of arrival system. 4,804,832, 2-14-89, Cl. 250-203.00R.

Gardner, Leland V.; and Hardy, Arthur H., to Santa Barbara Research Center. Response ratioing angle of arrival sensor that is insensitive to scintillation. 4,824,245, 4-25-89, Cl. 356-141.000.

Gardner, Lloyd E.; and Kukes, Simon G., to Phillips Petroleum Company. Hydrofining employing a support material for fixed beds. 4,828,683, 5-9-89, Cl. 208-216.00R.

Gardner, Lloyd E.; and Kidd, Dennis R., to Phillips Petroleum Company. Preparation of hydrotreating catalyst from spent catalyst. 4,888,316, 12-19-89, Cl. 502-20.000.

Gardner, Max E., to Polyplate, Inc. Balloon printing machine. 4,829,894, 5-16-89, Cl. 101-35.000.

Gardner, Michael S., to Tagland New Zealand Limited. Ear tag applicator. 4,819,639, 4-11-89, Cl. 128-330.000.

Gardner, Peter A., to International Business Machines Corporation. Current-controlling circuit. 4,839,577, 6-13-89, Cl. 323-316.000.

- Gardner, Peter D., to United States of America, Air Force. P-I-N photodetector having a burried junction. 4,887,138, 12-12-89, Cl. 357-30.000.
- Gardner, Richard K.; and Kozumplik, Nicholas, Jr., to Aro Corporation, The. Mechanical shift, pneumatic assist pilot valve for diaphragm pump. 4,854,832, 8-8-89, Cl. 417-393.000.
- Gardner, Richard N., to Minnesota Mining and Manufacturing Company. Amorphous magneto optical recording medium. 4,833,043, 5-23-89, Cl. 428-694.000.
- Gardner, Robert: *See—*
  - Duffey, Donald; Hardee, Sellers; Smith, Wayne; Elliott, James; Gardner, Robert; and Suess, Claus, 4,872,500, Cl. 164-34.000.
- Gardner, Robert C.; Horn, William F.; Rhoades, Mark K.; Wells, Marvin D.; and Yockey, Steve J., to Ford Motor Company. Silicon micromachined compound nozzle. 4,828,184, 5-9-89, Cl. 239-590.300.
- Gardner, Sandra J.: *See—*
  - Tam, Man C.; Bloembergen, Steven; Kovacs, Gregory J.; Jennings, Carol A.; Loutfy, Rafik O.; Gardner, Sandra J.; and Taylor, Michael G., 4,853,307, Cl. 430-41.000.
- Gardner, Stanley D.; and Finnigan, Wilfred J., to Finnigan, Wilfred J. Chimney fire extinguisher. 4,872,513, 10-10-89, Cl. 169-57.000.
- Gardner, Steven H.: *See—*
  - Shumate, William A.; Kindred, Daniel R.; Antonio, Franklin P.; Gardner, Steven H.; Kelkar, Krishnanand; Bilotta, Thomas R.; and Rogers, Steven L., 4,879,720, Cl. 371-43.000.
- Gardner, Steven J., to ASM America, Inc. Electrode boat apparatus for processing semiconductor wafers or the like. 4,799,451, 1-24-89, Cl. 118-500.000.
- Gardner, Thomas A. Epicycloid rolling resistance abatement. 4,878,525, 11-7-89, Cl. 152-14.000.
- Gardner, Thomas H.; and Whitehead, Gareth D. J. Production of nutrient material. 4,813,996, 3-21-89, Cl. 71-21.000.
- Gardner, Thomas J.: *See—*
  - Benway, Ernest A.; and Gardner, Thomas J., 4,868,367, Cl. 219-161.000.
- Gardner, Warren A. Holding apparatus. 4,848,759, 7-18-89, Cl. 269-51.000.
- Gardner, William: *See—*
  - Baker, Gerald; Beierwaltes, Craig; Gardner, William; and Weber, Charles, 4,867,063, Cl. 101-424.200.
- Gardner, William E.: *See—*
  - Kidman, Gene E.; and Gardner, William E., 4,847,409, Cl. 562-401.000.
- Gardner, William R.: *See—*
  - Martner, John G.; Gardner, William R.; and Maltsev, Viasheslav B., 4,823,149, Cl. 346-140.00R.
- Gardner, William T.: *See—*
  - Murphy, John E.; Snyder, Joseph E.; and Gardner, William T., 4,881,580, Cl. 141-98.000.
- Gardoc, Inc.: *See—*
  - Cote, Paul F., 4,869,778, Cl. 156-635.000.
- Garduno, Stephanie. Portable infant furniture. 4,796,314, 1-10-89, Cl. 5-98.00A.
- Gareis, John: *See—*
  - Rooney, Craig E., 4,840,476, Cl. 351-63.000.
- Gareis, Ronald E.: *See—*
  - Cieri, Joseph J.; Kocher, Mark J.; Gareis, Ronald E.; Holet, Kenneth M.; and Tuso, Michael J., 4,872,136, Cl. 364-900.000.
- Garewal, Khem K. S.: *See—*
  - Blacker, Allen P., Jr.; and Garewal, Khem K. S., 4,795,391, Cl. 445-36.000.
- Garfield, Nathaniel H.: *See—*
  - McSherry, Thomas W.; and Garfield, Nathaniel H., 4,878,790, Cl. 411-34.000.
- Garfinkle, Benjamin L., to Clamp Swing Pricing Co. Sign holder device. 4,881,707, 11-21-89, Cl. 248-221.400.
- Garfinkle, Marvin. Undercarriage apparatus for vertical-lift aircraft. 4,852,829, 8-1-89, Cl. 244-100.00R.
- Garfunkel, James H.: *See—*
  - Tromborg, Erik T.; and Garfunkel, James H., 4,801,799, Cl. 250-227.000.
- Garg, Diwakar; Dyer, Paul N.; Schaffer, Leslie E.; Wrecsics, Ernest L.; Dimos, Duane; and Mueller, Carl F., to Air Products and Chemicals, Inc. Highly erosive and abrasive wear resistant composite coating system. 4,855,188, 8-8-89, Cl. 428-627.000.
- Garg, Diwakar; Dyer, Paul N.; and Dimos, Duane, to Air Products and Chemicals, Inc. Heat treated chemically vapor deposited products. 4,873,152, 10-10-89, Cl. 428-627.000.
- Garg, Diwaker; Klucher, Beth A.; Dyer, Paul N.; Kidd, Richard W.; and Ceccarelli, Christopher, to Air Products and Chemicals, Inc. Method for depositing a hard, fine-grained, non-columnar alloy of tungsten and carbon on a substrate. 4,874,642, 10-17-89, Cl. 427-249.000.
- Garg, Kailash C.: *See—*
  - Walter, Jeffrey A.; Garg, Kailash C.; and Rowan, Joseph C., 4,875,026, Cl. 333-251.000.
- Garg, Rakesh K. Cannula including a valve structure and associated instrument elements. 4,832,044, 5-23-89, Cl. 128-753.000.
- Garg, Rakesh K. Second method for using cannula including a valve structure and associated instrument elements. 4,840,184, 6-20-89, Cl. 128-753.000.
- Garg, Rakesh K. First method for using cannula including a valve structure and associated instrument element. 4,844,087, 7-4-89, Cl. 128-753.000.
- Garg, Shaym G.: *See—*
  - Mitchell, Allan T.; Tigelaar, Howard L.; Garg, Shaym G.; and Rao, Kalipatnam V., 4,806,201, Cl. 156-653.000.
  - Mitchell, Allan T.; Tigelaar, Howard L.; Garg, Shaym G.; and Rao, Kalipatnam V., 4,878,996, Cl. 156-653.000.
- Garg, Subhash C.; and Bhat, Mahabaleshwar K. P., to Ford Aerospace & Communications Corporation. Spacecraft attitude control using coupled thrusters. 4,848,706, 7-18-89, Cl. 244-169.000.
- Garg, Sunil K.; and Kenig, Samuel, to Hoechst Celanese Corporation. Method of adhesive bonding by use of thermotropic liquid crystal polymers. 4,863,767, 9-5-89, Cl. 428-1.000.
- Garganese, Richard S. Display card assembly for ring-like ornamental articles. 4,880,117, 11-14-89, Cl. 206-487.000.
- Gargiulo, Robert F.: *See—*
  - Disselkoen, Allen D., Jr.; Gargiulo, Robert F.; Haywood, James E.; Heise, Keith H.; Holcomb, Darrell H.; Kramer, Stuart C.; Miller, Gregory R.; Nicholson, Jeffrey S.; Olinger, Jeffrey J.; and Spenny, Curtis H., 4,877,202, Cl. 244-122.00A.
- Gargollo, Roberto L. Method and apparatus for constructing an articulated pavement system. 4,850,739, 7-25-89, Cl. 404-41.000.
- Gargouil, Yves-Michel: *See—*
  - Peglion, Jean-Louis; Gargouil, Yves-Michel; and Vilaine, Jean-Paul, 4,870,091, Cl. 514-356.000.
- Gargulak, P. J.: *See—*
  - Metroka, Michael P.; Davis, Scott B.; and Gargulak, P. J., 4,845,772, Cl. 379-61.000.
- Gariboldi, Roberto; and Gola, Alberto, to SGS-Thomson Microelectronics, s.r.l. Active overvoltage control for inductive load driving. 4,882,532, 11-21-89, Cl. 323-222.000.
- Gariepy, Bruno: *See—*
  - Dube, Ghyslain; Gariepy, Bruno; and Parc, Jean, 4,832,911, Cl. 420-528.000.
- Garin, Roland A. C.: *See—*
  - Dejaifve, Pierre E.; Darnanville, Jean-Paul; Dufour, Jacques J. J.; and Garin, Roland A. C., 4,857,498, Cl. 502-304.000.
- Garistina, Gregory: *See—*
  - Gianella, Edward P.; and Garistina, Gregory, 4,863,316, Cl. 406-14.000.
- Garito, Anthony F.: *See—*
  - Kalyanaraman, Palaiyur S.; and Garito, Anthony F., 4,854,676, Cl. 350-354.000.
- Garkawe, Michael: *See—*
  - Magol, Byram J.; Fay, John D.; and Garkawe, Michael, 4,880,450, Cl. 55-269.000.
- Garland, Anthony C.; and Jones, Randal L. NOCHANGE attribute mode. 4,855,949, 8-8-89, Cl. 364-900.000.
- Garland, Clifford. International world clock. 4,799,203, 1-17-89, Cl. 368-27.000.
- Garland Commercial Industries, Inc.: *See—*
  - Yencha, Michael V., 4,867,132, Cl. 126-21.00A.
- Garland Commercial Ranges Limited: *See—*
  - Abidor, Aleksander, 4,829,982, Cl. 126-349.000.
- Garland, Emmanuel, to Societe Nationale Elf Aquitaine (Production). Gas-liquid separation and flow measurement apparatus. 4,860,591, 8-29-89, Cl. 73-861.040.
- Garland, Milton W., to Frick Company. Ice builder and control system therefor. 4,840,033, 6-20-89, Cl. 62-59.000.
- Garland, Steven B.; and Warren, Thomas C., to W. R. Grace & Co. Process for enhanced orientation of polymeric films. 4,797,235, 1-10-89, Cl. 264-22.000.
- Garland, Steven B., to W. R. Grace & Co.-Conn. Inter-ply adhesion between saran and linear ethylene copolymers. 4,842,952, 6-27-89, Cl. 428-518.000.
- Garland, Thomas A. Counterbalancing. 4,883,249, 11-28-89, Cl. 248-566.000.
- Garlen, David; and Desai, Vivek, to Thames Pharmacal Co., Inc. Water washable vehicles for topical use. 4,831,023, 5-16-89, Cl. 514-169.000.
- Garlich, Joseph R.: *See—*
  - Simon, Jaime; Garlich, Joseph R.; Wilson, David A.; and McMillan, Kenneth, 4,882,142, Cl. 424-1.220.
- Garlisi, Salvatore; Turchini, Luigi; Albanini, Aurelio; and Forcato, Dario, to Raffineria Olii Lubrificanti "R.O.L." S.p.A. Surfactants derived from di- or tri-carboxylic hydroxy-acids. 4,797,481, 1-10-89, Cl. 536-116.000.
- Garlock Bearings, Inc.: *See—*
  - Jacobson, Charles, 4,867,889, Cl. 252-12.600.
- Garlock Inc.: *See—*
  - Borowski, Richard, 4,817,966, Cl. 277-3.000.
  - Borowski, Richard, 4,852,890, Cl. 277-25.000.
  - Potepan, Agnes; and Dibble, Richard L., 4,859,526, Cl. 428-283.000.
- Garman, Anthony L.; and Sturtz, Charles R., Jr., to VME Americas Inc. Pivot joint assembly. 4,815,191, 3-28-89, Cl. 29-434.000.
- Garman, Robert C.: *See—*
  - Barrall, Jeffery L.; and Garman, Robert C., 4,872,912, Cl. 106-85.000.
- Garman, Shelly N.: *See—*
  - Bohrn, Walter J.; Garman, Shelly N.; and Tymon, Thomas M., 4,851,021, Cl. 65-17.000.
  - Bohrn, Walter J.; Brubaker, Richard A.; Garman, Shelly N.; Herfeld, Lewis K.; Ko, Kenneth K.; and Tymon, Thomas M., 4,877,484, Cl. 162-103.000.
- Garms, John F.; and Radtke, Norman H., to Brunswick Corporation. Marine engine with combination vapor return, crankcase pressure and cooled fuel line conduit. 4,848,283, 7-18-89, Cl. 123-73.0AD.
- Garms, John F.: *See—*
  - Slattery, Gordon C.; Stageman, Ronald D.; and Garms, John F., 4,846,118, Cl. 123-73.0AD.
- Garnatz, Anthony H.; and Ronne, William M., to Garon Corp. Disposable oil absorbent drip pad assembly for a vehicle. 4,875,537, 10-24-89, Cl. 180-69.100.
- Garnault, Joel, to Bendix France. Process and device for checking the operational state of a variable reluctance magnetic sensor and their application to automobile electronics. 4,837,508, 6-6-89, Cl. 324-166.000.
- Garneau, Jocelyn C. Railing structure. 4,796,866, 1-10-89, Cl. 256-59.000.
- Garner, Daniel C.; Sherwood, Donald G.; and Davidson, Albert C., to Westinghouse Electric Corp. Modular radial neutron reflector. 4,849,162, 7-18-89, Cl. 376-458.000.
- Garner, David P.: *See—*
  - Hetherington, Michael W.; Garner, David P.; and Millman, Allan D., 4,798,613, Cl. 55-52.000.
- Garner, Eric T. Method and apparatus for interosseous bone fixation. 4,841,960, 6-27-89, Cl. 128-92.0YF.
- Garner, Grant K., to Hewlett-Packard Company. Frequency detector for frequency locked loop. 4,801,894, 1-31-89, Cl. 331-1.00A.
- Garner, Grant K., to Hewlett-Packard Company. LCD compensation for non-optimum voltage conditions. 4,834,504, 5-30-89, Cl. 350-332.000.
- Garner, Harrison A., Jr.; Hemphill, Raymond M.; McGraw, John F.; Schmidt, Michael L.; Smith, Bruce A.; and Wert, David E., to Carpenter Technology Corporation. Hot work tool steel with good temper resistance. 4,886,640, 12-12-89, Cl. 420-111.000.
- Garner, Jim W. Rotating spray apparatus. 4,828,179, 5-9-89, Cl. 239-240.000.
- Garner, John D.: *See—*
  - Bates, Joseph A.; Koontz, James M., Jr.; and Garner, John D., 4,830,417, Cl. 293-134.000.
- Garner, John N., to Northern Telecom Limited. Method and apparatus for twisting together lengths of filamentary material. 4,856,267, 8-15-89, Cl. 57-58.520.
- Garner, John N.; Baxter, G. Douglas; and Grant, James C., to Northern Telecom Limited. Magnetically permeable particles in telecommunications cable. 4,857,676, 8-15-89, Cl. 178-45.000.
- Garner, Jonathan W.; and Dallas, L. Murray. Wellhead isolation tool and setting and method of using same. 4,867,243, 9-19-89, Cl. 66-379.000.
- Garner, Merle D.: *See—*
  - Blinken, Robert J.; Blinken, Robert J., Jr.; Garner, Merle D.; Koenig, William J.; and Oliver, Billy B., 4,796,293, Cl. 379-202.000.
- Garner, Robert B.; and Agrawal, Anant, to Sun Microsystems, Inc. Single cycle processor/cache interface. 4,884,198, 11-28-89, Cl. 364-200.000.
- Garner, Terry N.; and Sherman, Ralph R., to General Electric Company. Method and apparatus for controlling the frequency of operation and at least one further variable operating parameter of a radio communications device. 4,870,699, 9-26-89, Cl. 455-76.000.
- Garner, Terry N.; and Dixon, Robert P., to General Electric Company. Radio with options board. 4,887,311, 12-12-89, Cl. 455-76.000.
- Garnero, Pierino: *See—*
  - Cordiano, Ettore; Garnero, Pierino; and Frigo, Domenico, 4,799,869, Cl. 418-97.000.
- Garnes, Richard H.: *See—*
  - DiFrank, Frank J.; and Garnes, Richard H., 4,832,774, Cl. 156-215.000.
- Garnett, Donald W., to Olofsson Corporation, The. Apparatus providing environmental and mechanical protection for ball screw drives. 4,802,558, 2-7-89, Cl. 188-134.000.
- Garnier, Gilles: *See—*
  - Delpech, Guy; and Garnier, Gilles, 4,875,140, Cl. 361-412.000.
- Garnier, Jean C.: *See—*
  - Rangeard, Gilbert; Garnier, Jean C.; and Thomas, Jean, 4,845,476, Cl. 340-660.000.
- Garnier, Jean-Claude: *See—*
  - Deom, Alain; Garnier, Jean-Claude; and Guffond, Didier, 4,833,660, Cl. 367-157.000.
- Garnier, Marcel: *See—*
  - Paillere, Patrick; Alheritiere, Edouard; Garnier, Marcel; Driole, Jean; and Gagnoud, Annie, 4,838,933, Cl. 75-10.140.
  - Senillou, Claude; de Framond, Remy; Garnier, Marcel; Yavari, Ali R.; and Joud, Jean-Charles, 4,858,675, Cl. 164-503.000.
- Garnier, Pierre: *See—*
  - Brahm, Jacques; Cornu, Pierre; Garnier, Pierre; Verlaeten, Jean; and Van Diest, Jacques, 4,857,292, Cl. 423-473.000.
- Garnier Ponsonnet - Vuillard S.A.: *See—*
  - Muraro, Pierre; and Pernot, Daniel, 4,884,675, Cl. 198-358.000.
- Garnier, Thomas J.; and Peterson, Craig R., to Shredding Systems, Inc. Hopper ram for shredder. 4,844,363, 7-4-89, Cl. 241-224.000.
- Garnjost, Kenneth D., to Moog Inc. Energy-conserving regenerative-flow valves for hydraulic servomotors. 4,840,111, 6-20-89, Cl. 91-436.000.
- Garnreiter, Franz. Apparatus for delivering a measured amount of a low-boiling liquefied gas. 4,796,434, 1-10-89, Cl. 62-55.000.
- Garoche, Didier: *See—*
  - Grollier, Jean F.; and Garoche, Didier, 4,804,385, Cl. 8-423.000.
  - Grollier, Jean F.; and Garoche, Didier, 4,808,190, Cl. 8-423.000.
  - Grollier, Jean F.; and Garoche, Didier, 4,885,006, Cl. 8-423.000.
  - Grollier, Jean F.; and Garoche, Didier, 4,888,027, Cl. 8-423.000.
- Garofalo, Giovanni, to AMF Mares S.p.A. Pressure-regulating device for the second stage of reduction of an air breathing apparatus. 4,834,086, 5-30-89, Cl. 128-205.240.
- Garofalo, Giovanni, to AMF Incorporated. Swim fin provided with a self-shaping, fluid flow conveying and controlling canal-like member. 4,887,985, 12-19-89, Cl. 441-64.000.
- Garon Corp.: *See—*
  - Garnatz, Anthony H.; and Ronne, William M., 4,875,537, Cl. 180-69.100.
- Garost, Alexandr I.: *See—*
  - Svidunovich, Nikolai A.; Parfenov, Leonid I.; Garost, Alexandr I.; Sorokin, Gennady A.; Volkov, Viktor N.; Obiedkov, Viktor A.; Karbanovich, Valery K.; Vashkevich, Vladimir V.; and Verbitsky, Alexandr N., 4,855,105, Cl. 420-75.000.
- Garoutte, Kurt F., to Honeywell Inc. Pressure Activated reserve battery. 4,803,135, 2-7-89, Cl. 429-116.000.
- Garphyttan Haldex AB: *See—*
  - Lhota, Jiri E. J., 4,806,134, Cl. 55-162.000.
  - Scheffler, Manfried A. G.; Karlsson, Lars S. J.; and Larsson, Anders M., 4,846,211, Cl. 137-119.000.
- Garr, Michael M. Enhanced light fishing lure. 4,888,905, 12-26-89, Cl. 43-17.600.
- Garraffa, Dean R., to Undersea Industries, Inc. Breathing regulator apparatus. 4,796,618, 1-10-89, Cl. 128-204.260.
- Garrant, Gilles; and Dupuis, Daniel, to Ingersoll-Rand Canada, Inc. Supported mesh filter leaf bag with embedded rope closure. 4,865,732, 9-12-89, Cl. 210-232.000.
- Garrard, Victor G.; and Hudson, Albert B., to Lorillard, Inc. Citrus-flavored tobacco articles. 4,832,059, 5-23-89, Cl. 131-276.000.
- Garrel, Andre ; Vallat, Yves; Bousquet, Frederic; and Verdier, Jean-Louis. Magnetically anchored dental prosthesis. 4,815,975, 3-28-89, Cl. 433-189.000.
- Garrelts, David R.: *See—*
  - Copella, Robert A.; Flannery, Ann M.; Garrelts, David R.; and Krigers, Sandra I., 4,852,165, Cl. 380-24.000.
- Garret, Michael J., to Cardball International Limited. Poker and pool apparatus. 4,840,376, 6-20-89, Cl. 273-14.000.
- Garretson Equipment Co., Inc.: *See—*
  - Garretson, Owen L.; and Garretson, Keith H., 4,829,957, Cl. 123-27.0GE.
- Garretson, Keith H.: *See—*
  - Garretson, Owen L.; and Garretson, Keith H., 4,829,957, Cl. 123-27.0GE.
- Garretson, Owen L.; and Garretson, Keith H., to Garretson Equipment Co., Inc. Gaseous fuel injection system for internal combustion engines. 4,829,957, 5-16-89, Cl. 123-27.0GE.
- Garrett, Alan, to Underkart Industries of Canada Ltd. Retractable caster. 4,845,804, 7-11-89, Cl. 16-19.000.
- Garrett, Alfred G. Combination pant and skirt garment. 4,797,955, 1-17-89, Cl. 2-213.000.
- Garrett, David: *See—*
  - Williamson, Edward J.; Garrett, David; Goodridge, Francis; and Plimley, Raymond E., 4,832,813, Cl. 204-272.000.
- Garrett, Harold E., to Ford Aerospace & Communications Corporation. Discarding sabot projectile. 4,841,867, 6-27-89, Cl. 102-520.000.
- Garrett, Harold E., to Ford Aerospace & Communications Corporation. Method of making a projectile having a driving band. 4,879,790, 11-14-89, Cl. 29-1.200.
- Garrett, James R., to Executive Technical Services, Inc. Aircraft instrument illuminating apparatus. 4,887,189, 12-12-89, Cl. 362-23.000.
- Garrett, Lance: *See—*
  - Braun, Ralph V.; Garrett, Lance; Phelan, Robert J.; and Yeo, Richard S., 4,828,556, Cl. 604-365.000.
- Garrett, Lance J., Jr.: *See—*
  - Braun, Ralph V.; Brown, Christine H.; Fitting, Steven W.; Garrett, Lance J., Jr.; Law, David C.; and Weber, Robert E., 4,818,600, Cl. 428-290.000.
- Garrett, Melrose T.: *See—*
  - Clifft, Ricky C.; and Garrett, Melrose T., 4,846,965, Cl. 210-96.100.
- Garrett, Philip D.; Snoke, Lance A.; Bondly, James; and Borrud, James C., to American Studio Equipment. Portable hydraulic lift for large lamps and the like. 4,867,416, 9-19-89, Cl. 254-2.00R.
- Garrett, Robert C.: *See—*
  - Meredith, Thomas L.; and Garrett, Robert C., 4,888,876, Cl. 33-501.080.
- Garrett, Roderick D. Apparatus for the production of pulp suspensions. 4,880,171, 11-14-89, Cl. 241-46.110.
- Garrett, Roger E.; Smith, Nelson E., Jr.; and Mehlschau, James J., to University of California, The Regents of the. Apparatus and method for encapsulating seeds and the like. 4,806,357, 2-21-89, Cl. 427-4.000.
- Garrett, Roy J., to Ford Motor Company. Four speed planetary gear transmission having three driving modes. 4,867,011, 9-19-89, Cl. 74-762.000.
- Garrett, Stephen J.: *See—*
  - Bale, Christopher R.; Bryant, Raymond A.; Garrett, Stephen J.; Gill, Beresford R.; and Jennings, Trevor C., 4,832,057, Cl. 131-73.000.
  - Bryant, Raymond A.; Gill, Beresford R.; Garrett, Stephen J.; and Bale, Christopher R., 4,832,056, Cl. 131-58.000.
  - Chard, Brian C.; Bale, Christopher R.; Gill, Beresford R.; Herron, David; and Garrett, Stephen J., 4,848,374, Cl. 131-330.000.
- Garrett, Steve L.: *See—*
  - Standridge, Robert; Ratliff, George R.; Senyard, Corley P., Sr.; Senyard, Corley P., Jr.; Garrett, Steve L.; Senyard, William H.; and Senyard, Thomas J., 4,824,580, Cl. 210-708.000.

Garrick, Clayton G. Dispenser for permanent wave rods and end papers. 4,828,144, 5-9-89, Cl. 221-309.000.
Garrick, John R.; and Himmelberger, Karl B., to Armstrong World Industries, Inc. Apparatus for segmenting building boards. 4,815,644, 3-28-89, Cl. 225-97.000.
Garrido, Guillermo: *See—*
  Lee, Robert; Hornsey, Derek; Garrido, Guillermo; and Dieguez, Jose M., 4,860,827, Cl. 166-261.000.
Garrido, Guillermo F.; Lee, Robert G. H.; Hornsey, Derek; and Dieguez, Jose M., to Canadian Liquid Air Ltd./Air Liquide Canada Ltee. Non-peripheral blowing of oxygen-containing gas in steam generating boilers. 4,823,710, 4-25-89, Cl. 110-234.000.
Garrido, Guillermo F.; Lee, Robert G. H.; and Francois, Olivier, to Canadian Liquid Air Ltd. Nitrogen-free process for chloride-route TiO_2 pigment manufacture. 4,854,972, 8-8-89, Cl. 106-437.000.
Garrido Marquez, Josu : *See—*
  Schick, Josef H.; and Garrido Marquez, Josu , 4,808,534, Cl. 435-247.000.
GARRIG 4 S.s.: *See—*
  Cordiano, Ettore; Garnero, Pierino; and Frigo, Domenico, 4,799,869, Cl. 418-97.000.
Garrigus, George W., to Double D Double G Enterprises, Incorporated. Tissue specimen holding device and biopsy procedure. 4,837,795, 6-6-89, Cl. 378-180.000.
Garris, Charles A., to Memrysafe, Inc. Valve control. 4,875,623, 10-24-89, Cl. 236-12.120.
Garris, Charles R.; Ruttenberg, Kenneth M.; and Neiswender, James L., Sr., to SmithKline Beckman Corporation. Automated inspection of capsule seals. 4,802,323, 2-7-89, Cl. 53-53.000.
Garris, Sidney J.; Conner, Ancel U.; and Goodman, Gerald, to Accura Technology Corporation. Dually-adjustable firearm muzzle attachment device. 4,813,333, 3-21-89, Cl. 89-14.300.
Garrish, Bryan F., to Baltimore Aircoil Company, Inc. Low silhouette cooling tower with trapezoidal fill and method of air flow therethrough. 4,873,028, 10-10-89, Cl. 261-109.000.
Garrison, Clarence M. Natural gas production apparatus with bottom-hole separator. 4,886,116, 12-12-89, Cl. 166-105.500.
Garrison, David F.: *See—*
  Chou, Yu-Chia T.; Garrison, David F.; and Lewis, William I., 4,859,282, Cl. 162-78.000.
Garrison, James R.: *See—*
  McCoy, Blane K.; and Garrison, James R., 4,838,082, Cl. 73-313.000.
Garrison, Joe K.: *See—*
  Hollingsworth, John D.; Garrison, Joe K.; Collins, Joel C.; Warnock, William A., deceased; Weiskel, Lillith, Legal Representative; Nyberg, Muriel R., Legal Representative; Warnock, Charles F., legal representative; and Pergande, Lorraine, legal representative, 4,831,691, Cl. 19-98.000.
Garrison, Linn C.: *See—*
  Bond, Robert H.; Olla, Michael A.; Morrison, Barry; and Garrison, Linn C., 4,815,595, Cl. 206-329.000.
Garrison, Michi E., to Minimed Technologies. Pressure diaphragm for a medication infusion system. 4,856,340, 8-15-89, Cl. 73-715.000.
Garrison, Michi E.; and Pelmulder, John P., to Pacesetter Infusion, Ltd. Cassette optical identification apparatus for a medication infusion system. 4,878,896, 11-7-89, Cl. 604-65.000.
Garrison, Paul H., Jr.: *See—*
  Small, Leonard E.; Garrison, Paul H., Jr.; Winkler, William M.; Seaman, Sharon A.; and Papa, Alyce J., 4,812,253, Cl. 252-132.000.
Garrison, Richard E.: *See—*
  Deppe, Gary L.; and Garrison, Richard E., 4,866,410, Cl. 338-28.000.
Garrison, Robert A.; and Phillippi, Martin A., to Clorox Company, The. Surfactant sensing electrode for potentiometric titrations. 4,810,331, 3-7-89, Cl. 204-1.00T.
Garrison, Terry: *See—*
  Sellers, William; and Garrison, Terry, 4,884,412, Cl. 62-115.000.
Garritano, Ronald F.: *See—*
  Blanch, John F.; Garritano, Ronald F.; Richards, William D.; and Golba, Joseph C., Jr., 4,817,416, Cl. 73-55.000.
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  English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., 4,850,918, Cl. 445-40.000.
  English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., 4,874,988, Cl. 313-620.000.
Garrity, James P.: *See—*
  Li, Hung J.; and Garrity, James P., 4,835,651, Cl. 361-68.000.
Garrod, Frank O., to General Motors Corporation. Seat recliner latch apparatus and method of utilization thereof. 4,805,961, 2-21-89, Cl. 297-361.000.
Garron, Stephen A.; and Wurst, John N., to SSMC Inc. Low bobbin thread detector. 4,825,789, 5-2-89, Cl. 112-278.000.
Garrone, Angelo: *See—*
  Masoero, Marco; and Garrone, Angelo, 4,838,603, Cl. 296-180.100.
Garrood, David; Crawshaw, Roger; Henderson, Ian; and Dutton, Frank A., to General Electric Company, p.l.c., The. Earth terminal for satellite communication. 4,833,484, 5-23-89, Cl. 343-781.0CA.
Garrou, Philip E.: *See—*
  Chang, Kuo Y.; Kohatsu, Iwao; and Garrou, Philip E., 4,806,658, Cl. 549-368.000.
Gars, Jacques L., to Societe d'Etudes pour le Developpement. Display cell element for point matrix display panels. 4,833,806, 5-30-89, Cl. 40-447.000.
Garsee, Henry A.: *See—*
  Sarrine, Robert J.; Garsee, Henry A.; Kelley, Charles D.; and Guadagno, Philip A., 4,810,348, Cl. 204-299.00R.
  Sarrine, Robert J.; and Garsee, Henry A., 4,827,780, Cl. 73-864.210.
  Sarrine, Robert J.; Garsee, Henry A.; Kelley, Charles D.; and Guadagno, Philip A., 4,890,247, Cl. 364-571.040.
Garshelis, Ivan J., to Mag Dev Inc. Magnetoelastic torque tool. 4,882,936, 11-28-89, Cl. 73-862.360.
Garske, Edward E.: *See—*
  Barcelona, Michael J.; Garske, Edward E.; and Schock, Michael R., 4,803,869, Cl. 73-53.000.
Garsky, Victor M.; and Stein, Robert A., to Merck & Co., Inc. Inhibitor of ribonucleotide reductase. 4,837,304, 6-6-89, Cl. 530-328.000.
Garsky, Victor M.: *See—*
  Colonno, Richard; Garsky, Victor M.; Hannah, John; Stein, Robert B.; and Tolman, Richard L., 4,845,195, Cl. 530-330.000.
  Freidinger, Roger; Hannah, John; Garsky, Victor M.; Stein, Robert B.; and Tolman, Richard L., 4,814,432, Cl. 530-329.000.
Garson, Eugene: *See—*
  Mahaffy, Reid A.; Anderson, George W.; Garson, Eugene; Giordano, John A.; Hirt, Robert E.; and Ostrow, Milan R., 4,819,409, Cl. 53-282.000.
Garson, Lynette A.: *See—*
  Watson, Keith G.; Garson, Lynette A.; Bird, Graham J.; and Farquharson, Graeme J., 4,806,141, Cl. 71-121.000.
Gart, Mark, to Sun-Flex Company, Inc. Laser cut video display terminal filter screen. 4,879,451, 11-7-89, Cl. 219-121.690.
Gart, Samuel. Ergonomically-shaped hand controller. 4,862,165, 8-29-89, Cl. 341-20.000.
Garth, Simon, to Texas Instruments Incorporated. Electron beam apparatus. 4,823,005, 4-18 89, Cl. 250-310.000.
Garth, Simon C. J. Production of pulsed electron beams. 4,839,520, 6-13-89, Cl. 250-396.00R.
Garthaffner, Martin T.; Keen, Billy J., Jr.; Fleischhauer, Grier S.; and Horaker, Ronald D., to Philip Morris Incorporated. Apparatus for adjusting a cigarette having variable smoking characteristics. 4,817,638, 4-4-89, Cl. 131-29.000.
Garthoff, Bernward; Gerold, Marcel; Hefti, Fridolin; Kazda, Stanislav; and Knorr, Andreas, to Hoffmann-LaRoche Inc.; and Bayer Aktiengesellschaft. Antihypertensive combination products containing a dihydropyridine and a pyridazodiazepine. 4,859,665, 8-22-89, Cl. 514-221.000.
Garthwaite, Patricia J. Communication aid method and apparatus for the handicapped. 4,795,348, 1-3-89, Cl. 434-112.000.
Garthwaite, Steven C., to Brunswick Corporation. Connecting rod with polymeric coated sideface. 4,873,951, 10-17-89, Cl. 123-196.00W.
Gartland, Matthew. Method for the production of wood panels. 4,853,062, 8-1-89, Cl. 156-219.000.
Gartland, Robert J.: *See—*
  Boon, Wyndham; Gartland, Robert J.; and Pesata, Patrick J., Jr. 4,874,670, Cl. 428-423.900.
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  Kleinlein, Herbert; Bratenstein, Ernst; and Gartner, Friedrich. 4,814,912, Cl. 360-96.300.
Gartner, Fritz, to Josef Gartner & Co. Thermal-insulating window or facade arrangement in the transparent area. 4,815,245, 3-28-89, Cl. 52-171.000.
Gartner, Georg F.; and Lydtin, Hans-Jurgen, to U.S. Philips Corp. Method of manufacturing electrically conductive molded bodies by plasma-activated chemical deposition from the gaseous phase. 4,877,642, 10-31-89, Cl. 427-38.000.
Gartner, Georg F.; Rau, Hans; and Janiel, Peter A., to U.S. Philips Corp. Device for enriching a carrier gas with the vapor of a sparingly volatile substance. 4,883,362, 11-28-89, Cl. 366-101.000.
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Gartner, Jurij; and Kaindl, Wolfgang, to Bayerische Motoren Werke A.G. Injection valve for mixture-compressing internal-combustion engines, particularly for a single suction pipe injection. 4,829,965, 5-16-89, Cl. 123-470.000.
Gartner, Karl, to Josef Gartner & Co. Apparatus for heating, ventilating, cooling and regulating the temperature of rooms of a building. 4,817,349, 4-4-89, Cl. 52-220.000.
Gartner, Robert. Screw jack. 4,856,356, 8-15-89, Cl. 74-25.000.
Gartner, Robert F., to Honeywell Inc. Projectile with spin chambers. 4,886,223, 12-12-89, Cl. 244-3.230.
Garton, Andrew; and McLean, Paul D., to Canadian Patents & Development Ltd. Anhydride-based fortifiers for anhydride-cured epoxy resins. 4,851,484, 7-25-89, Cl. 525-504.000.
Garton, Andrew: *See—*
  McLean, Paul D.; Garton, Andrew; and Scott, Robert F. 4,816,533, Cl. 525-526.000.
Garton, Stephen D. Pipe cutter. 4,831,732, 5-23-89, Cl. 30-101.000.
Gartside, Charles H., III; Panuska, Andrew J.; and Patel, Parbhubhai D., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Optical fiber cable including a plurality of multifiber units within a single tube and methods of making. 4,826,278, 5-2-89, Cl. 350-96.230.
Gartside, Charles H., III; Glodis, Paul F.; and Patel, Parbhubhai D., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Depressed cladding optical fiber cable. 4,836,640, 6-6-89, Cl. 350-96.230.
Gartside, Robert J.; and Norton, Richard C., to Stone & Webster Engineering Corporation. Particulate solids cracking apparatus and process. 4,814,067, 3-21-89, Cl. 208-127.000.
Gartside, Robert J.; and Woebcke, Herman N. Solids feeding device and system. 4,820,494, 4-11-89, Cl. 422-145.000.
Garuglieri, Andrea: *See—*
  O'Banion, Michael L.; Bean, Frederick R.; and Garuglieri, Andrea, 4,827,819, Cl. 83-471.300.
Garulli, Augusto; Donizetti, Gaetano; and Bandelli, Mauro, to Zanussi Grandi Impianti S.p.A. Automatic machine for making coffee or similar beverages. 4,833,979, 5-30-89, Cl. 99-287.000.
Garuts, Valdis E., to Tektronix, Inc. Wideband linearized emitter feedback amplifier. 4,835,488, 5-30-89, Cl. 330-258.000.
Garver, Robert V.; and Tan, Robert J., to United States of America, Army. RF envelope generator. 4,864,258, 9-5-89, Cl. 333-20.000.
Garver, Robert V.: *See—*
  Berry, Mark D.; Tan, Robert J.; and Garver, Robert V., 4,875,022, Cl. 333-20.000.
Garverick, Timothy L.; Yazdy, Farid A.; Henderson, Richard D.; and Meier, Webster B., to National Semiconductor Corporation. Staggered refresh for dram array. 4,887,240, 12-12-89, Cl. 361-222.000.
Garvey, Charles C., Jr.: *See—*
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Garvey, Christopher M.; Savoly, Arpad; and Weatherford, Thomas M., to Diamond Shamrock Chemicals Company. Drilling fluid dispersant. 4,814,389, 3-21-89, Cl. 525-329.900.
Garvey, Glenwood L., to Self-Cleaning Environments, Inc. Self-cleaning restroom. 4,881,284, 11-21-89, Cl. 4-662.000.
Garvey, Margaret M.; and Price, Kent S., Jr., to University of Delaware. Artificial oyster cultch. 4,844,015, 7-4-89, Cl. 119-4.000.
Garvey, Michael J.; and Griffiths, Ian C., to Unilever Patent Holdings BV. Phase separation of polysaccharides from aqueous solutions. 4,810,787, 3-7-89, Cl. 536-127.000.
Garvie, Ronald C.: *See—*
  Hughan, Robert R.; Hannink, Richard H. J.; Swain, Michael V.; Stringer, Robert K.; Murray, Michael J.; and Garvie, Ronald C., 4,885,266, Cl. 501-104.000.
Garvin, Charles E.: *See—*
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  Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., 4,874,743, Cl. 514-12.000.
  Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., 4,879,224, Cl. 435-68.000.
Garwin, Richard L.; Levine, James L.; and Schappert, Michael A., to International Business Machines Corporation. Acoustic contact sensor for handwritten computer input. 4,845,684, 7-4-89, Cl. 367-137.000.
Garwood, Anthony J. M., to Garwood Ltd. Method of producing a packaging tray. 4,801,347, 1-31-89, Cl. 156-245.000.
Garwood, Anthony J. M., to Garwood, Ltd. Improved thermoplastic skin packing means. 4,840,271, 6-20-89, Cl. 206-213.100.
Garwood Ltd.: *See—*
  Garwood, Anthony J. M., 4,801,347, Cl. 156-245.000.
  Garwood, Anthony J. M., 4,840,271, Cl. 206-213.100.
Garwood, William E.: *See—*
  Chang, Clarence D.; Chu, Cynthia T-W.; Chu, Pochen; Dessau, Ralph M.; Garwood, William E.; Kuehl, Guenter H.; Miale, Joseph N.; and Shihabi, David S., 4,876,228, Cl. 502-71.000.
  Chen, Nai Y.; Garwood, William E.; and McCullen, Sharon B., 4,814,543, Cl. 585-739.000.
  Chester, Arthur W.; Garwood, William E.; and Vartuli, James C., 4,810,357, Cl. 208-78.000.
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  Barnes, Billy R.; Barnes, Ronny L.; and Gary, David A., 4,860,833, Cl. 172-26.000.
Gary, Esther W. Chalkboard chart holder. 4,830,322, 5-16-89, Cl. 248-206.500.
Gary, Joseph V., to Chromium Corporation. Finish for cylinder liners. 4,862,864, 9-5-89, Cl. 123-668.000.
Gary, Lonnie F., to Gary Products Group, Inc. Bracket for decorative lighting. 4,851,977, 7-25-89, Cl. 362-249.000.
Gary, Lonnie F., to Gary Products Group, Inc. Decorative light pedestal. 4,877,209, 10-31-89, Cl. 248-205.300.
Gary Products Group, Inc.: *See—*
  Gary, Lonnie F., 4,851,977, Cl. 362-249.000.
  Gary, Lonnie F., 4,877,209, Cl. 248-205.300.
Gary, William: *See—*
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Garza, Cesar M.; Douglas, Monte A.; Loewenstein, Lee M.; and Davis, Cecil J., to Texas Instruments Incorporated. Dry development of photoresist. 4,882,008, 11-21-89, Cl. 156-643.000.
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  Inkman, William P.; Garza, Cesario S.; and Cusumano, Ted A., 4,852,178, Cl. 381-205.000.
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Gas De France: *See—*
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Gas Research Institute: *See—*
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  Corliss, John M.; and Cox, Earl W., 4,794,907, Cl. 126-39.00R.
  Darilek, Glenn T., 4,808,889, Cl. 315-291.000.
  DeSaro, Robert; Doyle, Edward F.; Metcalfe, Christopher I.; and Patch, Keith D., 4,875,919, Cl. 65-27.000.
  Farnsworth, Craig A.; and Waters, Alice, 4,850,335, Cl. 126-299.00R.
  Flanagan, Paul, 4,856,981, Cl. 431-1.000.
  Flowerdew, Peter M.; and Hore, Donald L., 4,812,812, Cl. 340-854.000.
  Fry, John J.; Hall, George, II; and Smith, Robert A., 4,885,573, Cl. 340-519.000.
  Gerstmann, Joseph; Celorier, George M., Jr.; and Hill, Wayne S., 4,798,240, Cl. 165-48.100.
  Grald, Eric W.; and MacArthur, J. Ward, 4,889,280, Cl. 236-44.00C.
  Gratzel, Michael; Kiwi, John; and Thampi, Krishnan R., 4,847,231, Cl. 502-74.000.
  Hedgcoxe, Pat G.; and Zinsmeyer, Charles D., 4,862,808, Cl. 104-138.200.
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  Hemsath, Klaus H., 4,854,863, Cl. 432-176.000.
  House, Larry J.; Mank, James F.; Pettenski, Thomas A.; Williams, William J.; and Hayford, Donald T., 4,843,884, Cl. 73-622.000.
  Houtman, William H., 4,854,857, Cl. 431-154.000.
  Johnson, James E.; Magott, Raymond J., and Wood, Clinton M., 4,845,976, Cl. 73-23.000.
  Kardos, Peter, 4,856,558, Cl. 137-625.330.
  Kardos, Peter, 4,884,963, Cl. 431-1.000.
  Kuhn, Timothy J.; Bender, James W.; and Thekdi, Arvind C., 4,802,844, Cl. 432-126.000.
  Kunz, H. Russell, 4,818,639, Cl. 429-34.000.
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  Lambert, John E., 4,886,034, Cl. 123-587.000.
  Leitko, Curtis E., Jr.; Wasson, Michael R.; Lee, Douglas W.; and Stangl, Gerald A., 4,834,193, Cl. 175-19.000.
  Mansy, Hussein A. E.; and Williams, David R., 4,843,889, Cl. 73-861.190.
  McDonald, William J.; Pittard, Gerard T.; Maurer, William C.; Wasson, Michael R.; and Herben, William C., 4,858,704, Cl. 175-61.000.
  McDonald, William J.; Wasson, Michael R.; Leitko, Curtis E.; Pittard, Gerard T.; and Maurer, William C., 4,880,065, Cl. 175-71.000.
  McFadden, David H.; and Lee, W. David, 4,802,459, Cl. 126-41.00R.
  Minet, Ronald G.; and Che, Stanley C., 4,804,797, Cl. 585-500.000.
  Rupich, Martin W., 4,824,551, Cl. 204-431.000.
  Schultz, Thomas J.; Horne, Deane A.; Sikirica, Stephen J.; and Bender, James W., 4,805,881, Cl. 266-257.000.
  Stulen, Foster B.; Pape, Douglas B.; and Williams, William J., 4,869,233, Cl. 126-374.000.
  Watson, James E.; and Davies, Theodore E., 4,829,703, Cl. 432-181.000.
  Watson, James E.; and Davies, Theodore E., 4,878,480, Cl. 126-91.00A.
Gas Tank Renu - USA: *See—*
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Gas-To-Oil, Inc.: *See—*
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  Billinger, Randy J.; Dotter, Laurel K.; and Gasaway, Tommy D., 4,799,255, Cl. 379-189.000.
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Gasbjerg, Knud: *See—*
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Gasc, Jean-Claude; Nedelec, Lucien; Humbert, Daniel; and Boaventura, Ana-Maria, to Roussel Uclaf. Certain azaspirodecane compounds and a method of inducing an anxiolytic activity. 4,855,302, 8-8-89, Cl. 514-278.000.

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Collins, Paul W.; and Gasiecki, Alan F., 4,863,961, Cl. 514-530.000.
Gasiunas, Donatas: *See—*
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Gasiunas, Donatas V.; Sette, Paul R.; and Storace, Anthony, to Pitney Bowes Inc. Postage meter voice coil motor printwheel setting assembly. 4,846,715, 7-11-89, Cl. 400-163.100,
Gasiunas, Donatas V.; Sette, Paul R.; and Storace, Anthony, to Pitney Bowes Inc. Postage meter printwheel setting apparatus. 4,875,788, 10-24-89, Cl. 400-163.100.
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Gaskell, Alfred J.: *See—*
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Gaskell, David J., to Lucas Industries Public Limited Company. Fuel injection nozzles. 4,836,454, 6-6-89, Cl. 239-533.900.
Gaskell, David J., to Lucas Industries public limited company. Fuel injection nozzles. 4,852.803, 8-1-89, Cl. 239-86.000.
Gaskell, David J., to Lucas Industries Public Ltd. Company. Fuel injection nozzle. 4,889,288, 12-26-89, Cl. 239-533.500.
Gaskill, David M.; and Iannucci, Paul V., to Astro-Med Inc. Printing apparatus and print head mounting assembly therefor. 4,811,036, 3-7-89, Cl. 346-76.0PH.
Gaskin, Frances C. Sun protectant composition and method. 4,806,344, 2-21-89, Cl. 424-59.000.
Gaskin, Matthew J., to Morse Boulger, Inc. Apparatus for charging combustible materials. 4,832,554, 5-23-89, Cl. 414-189.000.
Gaskin, Matthew J., to Morse Boulger, Inc. Superheater unit of a steam generating system. 4,838,212, 6-13-89, Cl. 122-392.000.
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Gaspard, Preston T.; Holmes, Lewis D., Jr.; and Theis, James V., to Baker CAC, Inc. Flowline power generator. 4,809,510, 3-7-89, Cl. 60-648.000.
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Gasparini, Giorgio, to Bergomi S.p.A. Trash pick-up truck. 4,863,336, 9-5-89, Cl. 414-525.540.
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Gasper, Bertram; Neuschaffer, Karlheinz; and Spielau, Paul, to Dynamit Nobel Aktiengesellschaft. High-temperature resistant molded catalysts and process for their production. 4,870,045, 9-26-89, Cl. 502-232.000.
Gasper, Elon; and Goedert, Nedra, to Bright Star Technology, Inc. Teaching aid having tactile feedback. 4,878,844, 11-7-89, Cl. 434-159.000.
Gasper, Elon, to Bright Star Technology, Inc. Speech synchronized animation. 4,884,972, 12-5-89, Cl. 434-185.000.
Gasper, Gerhard: *See—*
Kittel, Friedrich; Lutz, Dieter; Nagler, Franz; Oppitz, Horst; and Gasper, Gerhard, 4,852,419, Cl. 74-89.140.
Gasper, John: *See—*
Kurtz, Andrew F.; Whiting, Bruce R.; Boutet, John C.; Milch, James R.; Gasper, John; and Kessler, David, 4,868,383, Cl. 250-228.000.
Gasper, Kenneth E.; and Vella, Philip A., to Olin corporation. Process and apparatus for producing an aqueous solution containing chlorine dioxide and chlorine. 4,886,653, 12-12-89, Cl. 423-478.000.
Gasperi, Carlo: *See—*
Mancini, Maria; and Gasperi, Carlo, 4,870,261, Cl. 235-382.000.
Gasperi, Michael L.: *See—*
Davis, Wesley; and Gasperi, Michael L., 4,855,830, Cl. 358-168.000.
Gasperment, Pierre: *See—*
Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Trichot, Jean-Marc, 4,849,083, Cl. 204-206.000.
Gaspower International Limited: *See—*
Bedford, Timothy J., 4,817,568, Cl. 123-431.000.
Gasquet, Denis: *See—*
Dunand, Josiane; Arnule, Paul; and Gasquet, Denis, 4,856,807, Cl. 280-615.000.
Hue, Jean; Graillat, Gerard; and Gasquet, Denis, 4,850,609, Cl. 280-615.000.
Gasquoine, Randy W.: *See—*
Chiappe, Wayne T.; and Gasquoine, Randy W., 4,808,067, Cl. 414-267.000.
Gass, Andre. Semi-submersible marine craft. 4,823,722, 4-25-89, Cl. 114-333.000.
Gass, Karl; Fory, Werner; Meyer, Willy; and Topfl, Werner, to Ciba-Geigy Corporation. N-phenylsulfonyl-N'-pyrimidinyl- and -N-triazinylureas. 4,835,311, 5-30-89, Cl. 564-86.000.
Gassaway, Mark M. Mount for securing protected articles. 4,858,878, 8-22-89, Cl. 248-551.000.
Gasseev, Amiran F.: *See—*
Ksovreli, Robinzon I.; Didebulidze, Alexandr K.; Kochiev, Valery K.; and Gasseev, Amiran F., 4,885,487, Cl. 310-36.000.
Slesarenko, Vladimir F.; Vaisberg, Leonid A.; Balabatko, Leonid K.; Sozykin, Veniamin I.; and Gasseev, Amiran F., 4,836,365, Cl. 209-315.000.
Gasseling, Allen J.; Gasseling, Kevin D.; and Gasseling, Joe A. Hay windrow fluffer. 4,862,685, 9-5-89, Cl. 56-372.000.
Gasseling, Joe A.: *See—*
Gasseling, Allen J.; Gasseling, Kevin D.; and Gasseling, Joe A. 4,862,685, Cl. 56-372.000.
Gasseling, Kevin D.: *See—*
Gasseling, Allen J.; Gasseling, Kevin D.; and Gasseling, Joe A. 4,862,685, Cl. 56-372.000.
Gassen, Hans G.: *See—*
Heinzel, Regina; Appelhans, Heribert; Gassen, Hans G.; Machleidt, Werner; and Seemuller, Ursula, 4,845,076, Cl. 514-12.000.
Gasser Chair Company, The: *See—*
Gasser, Mark E., 4,810,550, Cl. 428-100.000.
Gasser, David A., to G.B.R. Enterprises. Roofing laminate fastener assembly. 4,809,477, 3-7-89, Cl. 52-410.000.
Gasser, Ernest S.: *See—*
Halsey, James D.; and Gasser, Ernest S., 4,806,933, Cl. 342-91.000.
Gasser, George E. Quick release seat support. 4,840,343, 6-20-89, Cl. 248-500.000.
Gasser, Hermann; Curiger, Karl; and Rutz, Hans, to Hollingsworth GmbH. Apparatus for gathering a textile fibre fleece and forming a fibre sliver. 4,884,320, 12-5-89, Cl. 19-106.00R.
Gasser, Hermann: *See—*
Bruderlin, Hans R.; Gasser, Hermann; Rutz, Hans; and Curiger, Karl, 4,809,405, Cl. 19-159.00R.
Gasser, Joachim, to Refeka Werbemittel GmbH. Folding card. 4,885,859, 12-12-89, Cl. 40-539.000.
Gasser, Mark E., to Gasser Chair Company, The. Protective table edge. 4,810,550, 3-7-89, Cl. 428-100.000.
Gasser, Oswald; and Ellrich, Klaus, to ESPE Stiftung & Co. Produktions-und Vertriebs KG. Polymerizable radiopaque dental composition. 4,882,365, 11-21-89, Cl. 523-117.000.
Gasser, Oswald: *See—*
Jochum, Peter; Zahler, Wolf-Dietrich; Gasser, Oswald; Lechner, Gunther; and Ellrich, Klaus, 4,867,790, Cl. 106-35.000.
Schmitt, Werner; Jochum, Peter; Zahler, Wolf-Dietrich; Huber, Heijo; Holupirek, Manfred; Gasser, Oswald; and Herzig, Christian, 4,795,823, Cl. 560-182.000.
Gasser, Ruedi: *See—*
Greutert, Albert; and Gasser, Ruedi, 4,872,266, Cl. 30-346.510.
Gassett, John D.: *See—*
Francis, Charles E., 4,865,370, Cl. 292-340.000.
Gassler, Herbert. Process and apparatus for phase-regulated power and frequency control of an ultrasonic transducer. 4,849,872, 7-18-89, Cl. 363-49.000.
Gassman, Paul G.; and Singleton, Daniel A., to University of Minnesota, Regents of the. Oxygen-substituted allyl cations as dienophiles. 4,847,392, 7-11-89, Cl. 549-430.000.
Gassmann, Gerhard-Guenter, to Deutsche ITT Industries GmbH. Method of receiving frequency-modulated stereo multiplex signals. 4,817,167, 3-28-89, Cl. 381-3.000.
Gassmann, Helmut, to GTM Gassmann Theiss Messtechnik GmbH. Weighing cell. 4,811,610, 3-14-89, Cl. 73-862.650.
Gassner, Robert H.; and Shaw, John J., to McDonnell Douglas Corporation, a part interest. Method for melting metal, particularly scrap and forming metal billets. 4,794,979, 1-3-89, Cl. 164-495.000.

Gassner, Theo; and Von Flue, Peter, to Hilti Aktiengesellschaft. Explosive charge operated tool for fastening elements. 4,809,898, 3-7-89, Cl. 227-8.000.
Gast, Jean-Noel: *See—*
Christian, Bataille; Elie, Belbel; Gast, Jean-Noel; and Michel, Lauraire, 4,864,457, Cl. 361-153.000.
Gast, Joseph R.: *See—*
Cang, John N.; Gast, Joseph R.; Hensley, John J.; and Waldhelm, Christian M., 4,874,290, Cl. 415-173.400.
Gast Manufacturing Corporation: *See—*
LeBlanc, Joseph A., 4,838,772, Cl. 418-13.000.
Gast, Robert L.; and Willits, Lyle V., to Textron, Inc. Fastener stem collection apparatus and method. 4,887,450, 12-19-89, Cl. 72-391.000.
Gast, Theodor: *See—*
Thurn, Gerhard; and Gast, Theodor, 4,859,062, Cl. 356-371.000.
Gastaldi, Roberto; and Casagrande, Giulio, to SGS Microelecttronica S.p.A. Pre-charging circuit for word lines of a memory system, in particular with programmable cells. 4,847,811, 7-11-89, Cl. 365-203.000.
Gastaldi, Roberto: *See—*
Casagrande, Giulio; and Gastaldi, Roberto, 4,802,166, Cl. 371-21.000.
Dallabora, Marco; Gastaldi, Roberto; and Novosel, David, 4,888,497, Cl. 307-272.300.
Gastebois, Philippe M. D.; and Imbault, Jean-Francois R., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Turbine rotor. 4,802,824, 2-7-89, Cl. 416-193.00A.
Gasteier, Rolf: *See—*
Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, 4,860,963, Cl. 241-236.000.
Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, 4,881,692, Cl. 241-167.000.
Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, 4,889,291, Cl. 241-167.000.
Gasteiger, Otto. Adjustable door jamb and ceiling channel. 4,825,610, 5-2-89, Cl. 52-217.000.
Gastgeb, Raymond F., to Pennwalt Corporation. Piezoelectric phase locked loop circuit. 4,841,256, 6-20-89, Cl. 331-25.000.
Gastgeb, Raymond F.; and Tom, Edward, to Pennwalt Corporation. Vibration sensing apparatus. 4,870,868, 10-3-89, Cl. 73-649.000.
Gastinger, Robert G.; and Hayes, John E., to ARCO Chemical Technology, Inc. High molecular weight dispersants for polymer polyols. 4,837,246, 6-6-89, Cl. 521-137.000.
Gastinger, Robert G.; and Hayes, John E., to Arco Chemical Technology, Inc. Stable polymer polyols in base polyols with molecular weight greater than 4000 using high molecular weight dispersants. 4,837,247, 6-6-89, Cl. 521-137.000.
Gastinger, Robert G.; and Hayes, John E., to Arco Chemical Technology, Inc. Polymer polyol and flame retardant polyurethane foams. 4,837,263, 6-6-89, Cl. 524-377.000.
Gastinger, Robert G.; and Hayes, John E., to Arco Chemical Technology, Inc. High styrene content stable polymer polyols using epoxy resin-modified polyols as base polyols. 4,855,330, 8-8-89, Cl. 521-137.000.
Gastinger, Robert G.: *See—*
Sofranko, John A.; Gastinger, Robert G.; and Jones, C. Andrew, 4,861,936, Cl. 585-500.000.
Gaston County Dyeing Machine Co.: *See—*
Zeiffer, Dieter F.; and Junkins, George M., 4,884,893, Cl. 366-176.000.
Gaston, James A. Game method and apparatus with revolving disks. 4,813,685, 3-21-89, Cl. 273-414.000.
Gaston, Jon M.: *See—*
Breneman, William C.; Flagella, Robert N.; Gaston, Jon M.; and Hagan, David W., 4,826,668, Cl. 423-349.000.
Gaston, Lynn S., to Boeing Vertol Company; and Bell Helicopter Textron Inc., a part interest. Self-aligning electrical connector. 4,802,861, 2-7-89, Cl. 439-247.000.
Gaston, Robert D., to Ford Motor Company. Fuel sender assembly requiring no calibration. 4,873,865, 10-17-89, Cl. 73-317.000.
Gastrin, Jan, to Instrumentarium Corp. Patient support system in a narrow-beam tomographic imaging apparatus. 4,805,200, 2-14-89, Cl. 378-39.000.
Gaszewski, Jerzy: *See—*
Friedrich, Pawel; Placzek, Wieslaw; Mynarz, Leszek; Karpinski, Krzysztof; Gaszewski, Jerzy; and Tarasiuk, Tadeusz, 4,838,075, Cl. 73-49.800.
Gatan Inc.: *See—*
Krivanek, Ondrej L., 4,831,255, Cl. 250-305.000.
Krivanek, Ondrej L., 4,851,670, Cl. 250-305.000.
Swann, Peter R.; and Jones, Joseph S., 4,797,261, Cl. 422-102.000.
Swann, Peter R.; and Jones, Joseph S., 4,833,330, Cl. 250-443.100.
Gatchalian, Eric E.: *See—*
Sattin, William; and Gatchalian, Eric E., 4,818,938, Cl. 324-309.000.
Gatchel, Gary; Newgarden, Joseph E.; and Lynn, Gordon E., to Newgarden, Joseph E. Table tennis ball serving device. 4,844,[illegible], 7-4-89, Cl. 273-30.000.
Gatchel, Gary; Newgarden, Joseph E.; and Lynn, Gordon E., to Newgarden, Joseph E. Table tennis ball serving device. 4,854,588, 8-8-89, Cl. 273-30.000.
Gatecliff, George W.; and Gannaway, Edwin L., to Tecumseh Products Company. Compressor valve system. 4,834,632, 5-30-89, Cl. 417-534.000.
Gatellier, Claude: *See—*
Bourguet, Lucien; and Gatellier, Claude, 4,860,582, Cl. 73-155.000.
Gaterud, Mark T.: *See—*
Bedi, James J.; Golden, Donald M.; Gaterud, Mark T.; Miksza, Anthony S.; Deniega, Jose C.; Smith, Richard; and Yorks, W. Brinton, Jr., 4,805,617, Cl. 128-334.00C.
Jamiolkowski, Dennis D.; Gaterud, Mark T.; Newman, Hugh D., Jr.; and Shalaby, Shalaby W., 4,889,119, Cl. 606-220.000.
Gates, Alan B.: *See—*
Smith, Donald A.; Carter, William H.; Dingfelder, Howard E.; Burgess, Dale L.; and Gates, Alan B., 4,879,808, Cl. 29-845.000.
Gates, Dennis E.; and DuLac, Keith B., to Maryland. Compact register set using a param array. 4,870,616, 9-26-89, Cl. 365-189.050.
Gates, Dennis E.: *See—*
DuLac, Keith B.; and Gates, Dennis E., 4,866,601, Cl. 364-200.000.
Gates, Donald C., to Expertek, Inc. Method and apparatus for leak testing a fluid containing chamber. 4,854,158, 8-8-89, Cl. 73-45.500.
Gates, Donald C., to Expertek, Inc. Fuel tank leak detection apparatus. 4,862,731, 9-5-89, Cl. 73-40.700.
Gates Energy Product, Inc.: *See—*
Anderson, Ronald C., 4,883,729, Cl. 429-179.000.
Gates Energy Products, Inc.: *See—*
Adams, David W.; Ching, Larry K. W., Jr.; and Puester, Neil, 4,859,547, Cl. 429-121.000.
Gates Formed-Fibre Products, Inc.: *See—*
Quinn, Pat A.; and Billings, Scott C., 4,837,066, Cl. 428-95.000.
Smith, Gerald J.; and Trask, Elwood G., 4,818,586, Cl. 428-198.000.
Smith, Gerald J.; Trask, Elwood G.; Ellis, Paul; Johnston, Jon; Campbell, Brian; and Rorie, Leon, 4,888,234, Cl. 428-234.000.
Gates, Jeffrey. Eyeglass and contact lens container. 4,865,186, 9-12-89, Cl. 206-5.000.
Gates, Jeffrey L. Paper transport device for printing-installations. 4,836,701, 6-6-89, Cl. 400-617.000.
Gates, Louis E., Jr.: *See—*
LeCourt, James H.; Betts, Trueman R.; and Gates, Louis E., Jr., 4,869,662, Cl. 431-145.000.
Gates, Peter S., to Schering Agrochemicals Ltd. Herbicides. 4,795,483, 1-3-89, Cl. 71-90.000.
Gates, Robert J.: *See—*
Koren, Izchak; Gates, Robert J.; and Smith, Craig J., 4,860,562, Cl. 70-352.000.
Gates Rubber Company, The: *See—*
Bickley, Alan, 4,839,480, Cl. 200-86.00A.
Bohl, Aleck; and Valdez, Leandro, 4,854,481, Cl. 222-94.000.
Chaffee, Brad A.; and Morse, George E., 4,843,969, Cl. 104-23.200.
Chaffee, Bradley A.; Morse, George; and Payne, Roger, 4,815,926, Cl. 414-676.000.
Chohan, Satish M.; and Antosch, Jerry J., 4,802,696, Cl. 285-317.000.
Davis, Edward H.; Klaes, Gerald F.; Harris, Jack L.; and Douglass, Paul L., 4,885,928, Cl. 72-410.000.
Fischer, Richard J.; and Swanson, Douglas J., 4,887,788, Cl. 248-562.000.
Martin, Dieter, 4,864,918, Cl. 92-103.0SD.
Sedlacek, Douglas R., 4,798,566, Cl. 474-238.000.
Westhoff, William L., 4,838,843, Cl. 474-205.000.
Gates, Stephen M.; Liehr, Michael; Renier, Michel G. E. G.; and Rubloff, Gary W., to International Business Machines Corporation. Motive structure for transporting workpieces. 4,794,863, 1-3-89, Cl. 104-165.000.
Gates, Walter C., Jr.: *See—*
Najjar, Mitri Salim; and Gates, Walter C., Jr., 4,801,402, Cl. 252-373.000.
Gates, William M., to Stein-Gates Medical Equipment, Inc. Portable ventilating device. 4,836,198, 6-6-89, Cl. 128-205.180.
Gateway Industries, Inc.: *See—*
Doty, Gerald A.; and Zygutis, James L., 4,802,266, Cl. 24-637.000.
Doty, Gerald A., 4,823,239, Cl. 362-75.000.
Gatewood, John B. Jaw fixation assembly. 4,813,869, 3-21-89, Cl. 433-18.000.
Gathings, Thomas. Apparatus for feeding bar stock to a machining operation. 4,875,396, 10-24-89, Cl. 82-124.000.
Gatlin, Bobby J.: *See—*
Ferguson, Kenneth H.; Gatlin, Bobby J.; Real, Philip; Conroy, Joseph L.; and Ehrman, James P., 4,816,833, Cl. 342-95.000.
Gatlin, Sidney, to E. S. Gatlin Enterprises, Inc. Brake shoe mounting assembly. 4,867,285, 9-19-89, Cl. 188-250.00D.
Gatling, Sterling C.; and Krumel, Karl L., to Dow Chemical Company, The. Process for preparing phosphorothioates and phosphates. 4,814,448, 3-21-89, Cl. 546-25.000.
Gatling, Sterling C., to Dow Chemical Company, The. Process for preparing phosphorothioates and phosphates and phosphonothioates and phosphonates. 4,814,451, 3-21-89, Cl. 546-25.000.
Gatschmann, Klaus G.: *See—*
Ruppert, Heinrich W.; and Gatschmann, Klaus G., 4,887,617, Cl. 131-70.000.
Gatt, Michael E.; Brown, Arthur K., Jr.; and Pickett, Michael G., to Allied-Signal Inc. Three-channel adaptive braking system. 4,869,561, 9-26-89, Cl. 303-116.000.
Gatt, Shimon: *See—*
Harnoy, Gideon N.; Gatt, Shimon; and Barenholz, Yechezkel, 4,811,791, Cl. 166-305.100.
Gatterlinck GmbH & Co. KG: *See—*
Gonner, Siegmar, 4,801,002, Cl. 198-698.000.
Gattermann, Bernd; Steenken, Bernhard; Grosse-Scharmann, Franz; and Muller, Horst, to Amazonen Werke, H. Dreyer GmbH. Co. KG. Combination normal-sowing and fine-sowing wheel with integral stop. 4,798,271, 1-17-89, Cl. 192-18.00R.

- Gatti, Gaetano; Oldani, Diego; Confalonieri, Carlo; and Gambini, Luciano, to Farmitalia Carlo Erba S.p.A. Pharmaceutical compositions containing anthracycline glycosides. 4,840,938, 6-20-89, Cl. 514-34.000.
- Gatti, John E. Smoke eliminating shield for electrocautery surgery. 4,865,049, 9-12-89, Cl. 128-849.000.
- Gatti, Maria T.: *See—*
  - Bertotti, Franco; Ferrari, Paolo; and Gatti, Maria T., 4,887,141, Cl. 357-36.000.
  - Bertotti, Franco; Ferrari, Paolo; and Gatti, Maria T., 4,890,149, Cl. 357-48.000.
- Gattinoni, Luciano. Pulmonary pressure and volume measurement. 4,844,085, 7-4-89, Cl. 128-720.000.
- Gatto, Claudio U.: *See—*
  - Villoch, Joe D.; Gatto, Claudio U.; and Oprisi, Mike V., 4,799,527, Cl. 160-168.100.
- Gatto, Donald F.: *See—*
  - Chambers, Randall P.; Dzung, John C.; and Gatto, Donald F., 4,836,708, Cl. 403-358.000.
- Gatto, Gary: *See—*
  - Klusmier, Lawrence A.; Clarke, Hans T.; and Gatto, Gary, 4,831,828, Cl. 62-6.000.
- Gatto, Vincent J., to Ethyl Corporation. Polythiobisphenol process. 4,877,902, 10-31-89, Cl. 568-23.000.
- Gattolin, Dario: *See—*
  - Baranzelli, Cesare; Frulla, Claudio; and Gattolin, Dario, 4,838,561, Cl. 279-1.0DA.
- Gatty, David G.: *See—*
  - Liu, Paul K. T.; Bergstrom, Robin K.; and Gatty, David G., 4,795,735, Cl. 502-415.000.
- Gatward, Robert: *See—*
  - Davidson, David M.; Bungard, John R.; and Gatward, Robert, 4,809,260, Cl. 370-58.000.
- Gatza, Paul E.: *See—*
  - Touchet, Paul; Rodriguez, Gumersindo; Gatza, Paul E.; Butler, Daniel P.; Crawford, Dawn; Teets, Alan R.; Feuer, Hank O.; and Flanagan, David P., 4,843,114, Cl. 524-87.000.
- Gatzen, Hans-Heinrich O. P., to Seagate Technology, Inc. Magnetic head for perpendicular magnetic recording system. 4,839,761, 6-13-89, Cl. 360-103.000.
- Gatzki, Helmut: *See—*
  - Hafla, Dietmar F.; and Gatzki, Helmut, 4,843,691, Cl. 29-36.000.
- Gaubis, Alfred E. Hand-operated fruit picker. 4,835,955, 6-6-89, Cl. 56-333.000.
- Gaubis, Philip A.: *See—*
  - Wand, Thomas J.; Gaubis, Philip A.; and Guest, Philip Q., Jr., 4,800,974, Cl. 180-79.100.
- Gauchel, James V.; Wilson, Edward L.; Kerle, Edward J.; and Beaver, Terry R., to Owens-Corning Fiberglas Corporation. Process for forming thick ballistic resistant materials. 4,822,439, 4-18-89, Cl. 156-285.000.
- Gaucher, Michel M., to Electronique Serge Dassault. Automatic programmer and dispenser of microcircuit cards. 4,851,651, 7-25-89, Cl. 235-380.000.
- Gauckler, Ludwig: *See—*
  - Mizrah, Tiberiu; Maurer, Albert; and Gauckler, Ludwig, 4,857,088, Cl. 55-523.000.
  - Randin, Jean-Paul; and Gauckler, Ludwig, 4,822,694, Cl. 428-615.000.
- Gaudenzi, Gene J.; and Tempest, Susan L., to International Business Machines Corporation. Voltage regulator capable of sinking current. 4,810,962, 3-7-89, Cl. 323-314.000.
- Gaudenzi, Renzo: *See—*
  - Re Fiorentin, Stefano; and Gaudenzi, Renzo, 4,887,025, Cl. 324-65.00R.
- Gauderer, Michael L.; Picha, George J.; and Siedlak, Dennis, to Applied Medical Technology, Inc. Low profile gastrostomy device. 4,863,438, 9-5-89, Cl. 604-247.000.
- Gaudet, Michelle D.; and Puritch, George S., to Safer, Inc. Fatty acid salt enhancement of bacterial insecticide. 4,826,678, 5-2-89, Cl. 424-93.000.
- Gaudet, Peter W.: *See—*
  - Tugal, Halil; and Gaudet, Peter W., 4,835,972, Cl. 62-50.100.
- Gaudette, Roger R.: *See—*
  - Bragdon, Robert W.; and Gaudette, Roger R., 4,871,552, Cl. 426-2.000.
- Gaudiana, Russell A.; Rogers, Howard G.; and Sinta, Roger F., to Polaroid Corporation. Melt-processable aromatic polyesteramide having repeating 2,2′-substituted biphenylene radicals. 4,843,141, 6-27-89, Cl. 528-183.000.
- Gaudin, Jean P., to Framatome. Rotary-electrode inert-gas arc welding machine. 4,845,330, 7-4-89, Cl. 219-60.00A.
- Gaudin, Jean P., to Framatome. Apparatus for the televisual monitoring of an arc welding operation. 4,868,649, 9-19-89, Cl. 358-101.000.
- Gaudin, Jean P., to Framatome. Process for the remote-controlled semi-automatic welding of two rotationally symmetrical components. 4,881,678, 11-21-89, Cl. 228-102.000.
- Gaudin, Jean P.: *See—*
  - Lavalerie, Claude; and Gaudin, Jean P., 4,826,582, Cl. 204-196.000.
- Gaudin, Jean-Paul; and Peyrot, Jean P., to Framatome. Device for welding inside a tube of small diameter. 4,821,943, 4-18-89, Cl. 228-45.000.
- Gaudin, Jean-Paul, to Framatome. Process for the repair by lining or a steam-generator tube and a repair lining for this tube. 4,847,967, 7-18-89, Cl. 29-157.400.
- Gaudin, Serge, to Gaudin, Serge; Clauzet, Henry; and Daures, Jean-Pierre. Glide board with rudder. 4,872,861, 10-10-89, Cl. 441-79.000.
- Gaudinet, Patrick: *See—*
  - Girardeau, Yvette; Gaudinet, Patrick; and Queuche, Sylvie, 4,867,972, Cl. 424-81.000.
- Gaudino, Larry J.; and Leung, Chi H. Bipolar silver oxide-aluminum electrode. 4,844,998, 7-4-89, Cl. 429-210.000.
- Gaudino, Larry J., to Technitrol, Inc. Method of controlling the pore morphology of strengthened silver powder compacts. 4,886,636, 12-12-89, Cl. 419-2.000.
- Gaudio, Raymond, to Napco Security Systems, Inc. Verifying automatic line integrity diagnostic (V.A.L.I.D.) apparatus and methods for intrusion detection systems. 4,804,942, 2-14-89, Cl. 340-514.000.
- Gaudlitz, Harald: *See—*
  - Forster, Markus; Maier, Peter; Gaudlitz, Harald; and Hefka, Richard, 4,837,437, Cl. 250-336.100.
- Gaudreau, Marcel P. J.; and Smith, Donald K., to Applied Science & Technology, Inc. Microwave plasma generator. 4,866,346, 9-12-89, Cl. 315-111.210.
- Gaudreau, Paul D.; Hickling, J. Gordon; and Schachter, Howard E., to Electraflo Technology Corp. Apparatus for heating articles. 4,860,460, 8-29-89, Cl. 34-26.000.
- Gaudreau, Pierrette: *See—*
  - Cohen, Eric A.; Gaudreau, Pierrette; Michaud, Jacques; Brazeau, Paul; and Langelier, Yves, 4,795,740, Cl. 514-14.000.
- Gauer, Glenn G. Framer. 4,823,472, 4-25-89, Cl. 33-1.00B.
- Gauer, Glenn G. Framer. 4,827,620, 5-9-89, Cl. 33-1.0CB.
- Gauffreau, George L.: *See—*
  - Chang, Mike F.; Yilmaz, Hamza; Gauffreau, George L.; and Owyang, King, 4,803,533, Cl. 357-23.400.
- Gauger, Gary L. Tuning device for rimless drums. 4,870,883, 10-3-89, Cl. 84-413.000.
- Gauger, John R. D.: *See—*
  - Sasaki, Gordon H.; Jakubczak, Eugene R.; and Gauger, John R. D., 4,841,992, Cl. 128-899.000.
- Gaughan, Edward W.; and Hill, Theodore B., to American Standard Inc. Freight brake control valve device having improved quick service function. 4,819,993, 4-11-89, Cl. 303-38.000.
- Gaughan, Edward W.: *See—*
  - Hart, James E.; and Gaughan, Edward W., 4,830,438, Cl. 303-38.000.
  - Hart, James E.; Gaughan, Edward W.; and Hill, Theodore B., 4,850,654, Cl. 303-33.000.
  - Hart, James E.; and Gaughan, Edward W., 4,875,739, Cl. 303-33.000.
- Gaughan, Glen T.: *See—*
  - Tweedle, Michael F.; Gaughan, Glen T.; and Hagan, James T., 4,885,363, Cl. 540-465.000.
- Gaughan, Roger G., to Phillips Petroleum Company. Catalytic preparation of poly(arylene sulfide) from halothiophenol. 4,841,018, 6-20-89, Cl. 528-374.000.
- Gaughan, Roger G.: *See—*
  - Geibel, Jon F.; Gaughan, Roger G.; and Cliffton, Michael D., 4,814,224, Cl. 428-252.000.
- Gaugler, Manfred: *See—*
  - Bruggen, Gerhard; Gaugler, Manfred; Karr, Dieter; and Winkler, Josef, 4,843,951, Cl. 92-5.00R.
- Gauglitz, Karl F.: *See—*
  - Cheung, Peter W.; Gauglitz, Karl F.; Mason, Lee R.; Prosser, Stephen J.; Smith, Robert E.; Wagner, Darrell O.; and Hunsaker, Scott W., 4,819,646, Cl. 128-633.000.
  - Craig, Kenneth C., Jr.; Gauglitz, Karl F.; Losh, G. Michael; Mason, Lee R.; Nova, Richard C.; Taylor, James W.; and Prosser, Stephen J., 4,869,253, Cl. 128-633.000.
- Gauhl, Helmgard: *See—*
  - Siedel, Joachim; Deeg, Rolf; Roder, Albert; Ziegenhorn, Joachim; Mollering, Hans; and Gauhl, Helmgard, 4,816,393, Cl. 435-18.000.
- Gaukel, Gisela: *See—*
  - Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,799,234, Cl. 372-97.000.
  - Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,831,631, Cl. 372-92.000.
  - Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,873,697, Cl. 372-108.000.
- Gaukel, Kevin M.: *See—*
  - Arnold, Pitt W.; and Gaukel, Kevin M., 4,810,984, Cl. 333-202.000.
- Gaul, David J.; and McGarry, Dennis L., to Owens-Corning Fiberglas Corporation. Glass corrosion resistant cobalt-based alloy having high strength. 4,820,324, 4-11-89, Cl. 65-8.000.
- Gaul, David J.: *See—*
  - Haeberle, Ronald M., Jr.; Smith, Gaylord D.; Weber, John H.; Fisher, Roneldo L.; Gaul, David J.; and Hinze, Jay W., 4,877,435, Cl. 65-1.000.
- Gaulard, Michel, to Automobiles Peugeot; and Automobiles Citroen. Apparatus for the moulding of a cylinder block or of a corresponding foundry pattern. 4,880,048, 11-14-89, Cl. 164-342.000.
- Gaulin, Philip E. Hammer head having removable weight components. 4,876,928, 10-31-89, Cl. 81-20.000.
- Gaulke, Gerald E.: *See—*
  - Ballard, Jerry L.; Chatham, Dale; and Gaulke, Gerald E., 4,866,600, Cl. 364-200.000.
- Gault, Dominique: *See—*
  - Andrieu, Jean P.; Gault, Dominique; and Henri, Jean C., 4,872,013, Cl. 342-135.000.

- Gault, Robert L., to Telemagnetics, Inc. On-board tire pressure sensing system. 4,866,982, 9-19-89, Cl. 73-146.500.
- Gaultier, Jean Marie: *See—*
  - de Ferron, Gerard S.; and Gaultier, Jean Marie, 4,851,894, Cl. 357-51.000.
- Gaumann, Tino: *See—*
  - Bodenhausen, Geoffrey; Pfandler, Peter E.; Rapin, Jacques; Gaumann, Tino; and Houriet, Raymond, 4,855,593, Cl. 250-282.000.
- Gauneus, Gilbert; Nicaise, Maryvonne; and Tran, Kifu O., to Compagnie Oris Industrie S.A. Articular prosthesis and its preparation process. 4,888,019, 12-19-89, Cl. 623-18.000.
- Gaunt, John, to Gaslow International Ltd. Gas quantity measuring device. 4,862,916, 9-5-89, Cl. 137-557.000.
- Gaur, Santosh P.: *See—*
  - Anantha, Narasipur G.; Bhatia, Harsaran S.; Gaur, Santosh P.; and Mauer, John L., IV, 4,796,069, Cl. 357-15.000.
- Gauron, Richard F. Inset panel fastener and method of using. 4,812,193, 3-14-89, Cl. 156-293.000.
- Gaus, Hermann; Jurgens, Gunter; and Greiner, Albrecht, to Daimler-Benz Aktiengesellschaft. Arrangement for adjusting the torque of an internal combustion engine. 4,8[illegible]3,645, 4-25-89, Cl. 74-866.000.
- Gausa, Alexander, to Feldmuehle Aktiengesellschaft. Process for determining dimension errors. 4,879,0[illegible], 11-7-89, Cl. 162-198.000.
- Gausepohl, Hermann: *See—*
  - Taubitz, Christof; Gausepohl, Hermann; Seiler, Erhard; and Schlemmer, Lothar, 4,797,453, Cl. 525-397.000.
  - Taubitz, Christof; Gausepohl, Hermann; and Boehlke, Klaus, 4,866,114, Cl. 524-100.000.
  - Wassmuth, Georg; Ruppmich, Karl; Seiler, Erhard; Gausepohl, Hermann; and Benker, Klaus, 4,880,875, Cl. 525-67.000.
- Gausman, Theodore J.; and Scheffel, Gary W., to Nupro Company. Inflatable valve. 4,840,191, 6-20-89, Cl. 137-15.000.
- Gausman, Theodore J.; and Scheffel, Gary W., to Nupro Company. Check valve. 4,856,555, 8-15-89, Cl. 137-543.170.
- Gausrab, Klaus; Hauser, Joachim; and Mueller, Robert, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Drive line for four wheel drive vehicles. 4,882,950, 11-28-89, Cl. 74-714.000.
- Gauss, Edward J., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Computer printer stand. 4,880,202, 11-14-89, Cl. 248-676.000.
- Gaustad, Charles A.: *See—*
  - Bender, Walter W.; and Gaustad, Charles A., 4,841,831, Cl. 86-27.000.
- Gauthier, Christian, to Jaeger. Electric switch for controlling change-of-direction indicators on a motor vehicle. 4,880,945, 11-14-89, Cl. 200-61.540.
- Gauthier, Georges. Surgical fastening clip. 4,838,254, 6-13-89, Cl. 128-92.0YF.
- Gauthier, Jacques-Yves: *See—*
  - Frenette, Richard; Gauthier, Jacques-Yves; Young, Robert N.; Zamboni, Robert; Kakushima, Masatoshi; and Verhoeven, Thomas R., 4,857,659, Cl. 562-426.000.
- Gauthier, Maurice, to Cofpa. Conveyor belt constituted by plastic spirals. 4,839,213, 6-13-89, Cl. 428-114.000.
- Gauthier, Michel: *See—*
  - Armand, Michel; Gauthier, Michel; and Muller, Daniel, 4,851,307, Cl. 429-192.000.
  - Belanger, Andre ; Gauthier, Michel; and Robitaille, Michel, 4,824,746, Cl. 429-218.000.
- Gauthier, Patricia; Malfroot, Thierry; and Senet, Jean-Pierre, to Societe Nationale des Poudres et Explosifs. Process for the production of alkyl thiochloroformates. 4,820,856, 4-11-89, Cl. 558-249.000.
- Gauthier, Patricia: *See—*
  - Senet, Jean-Pierre; Gauthier, Patricia; Malfroot, Thierry; and Wolf, Patrick, 4,806,286, Cl. 260-544.00K.
- Gauthier, Robert: *See—*
  - Enos, Anthony; and Gauthier, Robert, 4,820,121, Cl. 415-202.000.
- Gauthier, Simon R.; and Chan, Kwok K. Wide bandwidth multiband feed system with polarization diversity. 4,847,574, 7-11-89, Cl. 33-21.00A.
- Gauthier, Sylvie: *See—*
  - Frechet, Jean M. J.; Gauthier, Sylvie; Limburg, William W.; Loutfy, Rafik O.; Murti, Dasarao K.; and Spiewak, John W., 4,801,517, Cl. 430-59.000.
- Gautier, Alain, to Maguin S.A., B.P. Process and outfit for the extraction of sugar from sugar cane. 4,804,418, 2-14-89, Cl. 127-2.000.
- Gautier, Herve ; and Lardat, Claude, to Thomson-CSF. Method of manufacturing a surface wave dispersive filter and a filter manufactured in accordance with this method. 4,857,870, 8-15-89, Cl. 333-195.000.
- Gautier, Jean-Claude: *See—*
  - Fontanille, Michel; Krantz, Nicolas; Gautier, Jean-Claude; and Raynal, Serge, 4,845,153, Cl. 525-105.000.
- Gautier, Jean-Pierre, to Bendix France. Braking assistance vacuum servomotor and process for adjusting such a servomotor. 4,817,500, 4-4-89, Cl. 91-376.00R.
- Gautier, Martine; Rico, Isabelle; Lattes, Armand; and Bertocchio, Rene, to Societe Atochem. Polyfluoro compounds and method for preparing them. 4,855,025, 8-8-89, Cl. 204-157.860.
- Gautier, Thierry: *See—*
  - Beauducel, Claude; and Gautier, Thierry, 4,801,838, Cl. 310-319.000.
  - Beauducel, Claude; and Gautier, Thierry, 4,810,913, Cl. 310-337.000.
- Gautraud, Michael G., to Brunswick Corporation. Method of playing a bowling game. 4,817,947, 4-4-89, Cl. 273-37.000.
- Gautreaux, Marcelian F.; and Allen, Robert H., to Ethyl Corporation. Polysilicon produced by a fluid bed process. 4,820,587, 4-11-89, Cl. 428-403.000.
- Gautreaux, Marcelian F.; and Allen, Robert H., to Ethyl Corporation. Fluid bed process for producing polysilicon. 4,883,687, 11-28-89, Cl. 427-213.000.
- Gauvin, Paul N.: *See—*
  - Patron, Gregorio I.; Nichols, Walter A.; Gauvin, Paul N.; and Sprinkel, Francis M., Jr., 4,848,375, Cl. 131-335.000.
- Gauvin, Roger A.: *See—*
  - Boyer, Scott M.; Cole, Steven J.; Gauvin, Roger A.; and Mitchell, Joe C., 4,887,754, Cl. 224-319.000.
- Gavagan, James A., to Irvin Industries, Inc. Hinge assembly for vehicle visor and other vehicle accessories. 4,821,374, 4-18-89, Cl. 16-321.000.
- Gavagan, James A., to Irvin Industries, Inc. Visor with retractable glare shields. 4,828,314, 5-9-89, Cl. 296-97.800.
- Gavagan, James A.: *See—*
  - Lobanoff, Mark; and Gavagan, James A., 4,796,944, Cl. 296-97.500.
- Gavaletz, Eugene J.: *See—*
  - Usher, Peter P.; Gavaletz, Eugene J.; and Slonksnes, John, 4,871,181, Cl. 277-229.000.
- Gavelin, Gunnar, to Mo och Domsjo Aktiebolag. Method for manufacturing filler-containing paper. 4,889,594, 12-26-89, Cl. 162-130.000.
- Gavenman, Eugene H.: *See—*
  - Springer, Robert M.; Schmal, Richard L.; and Gavenman, Eugene H., 4,878,242, Cl. 379-204.000.
- Gavezotti, Piero: *See—*
  - Scarati, Mario A.; Re, Alberto; Tognoni, Carlo; and Gavezotti, Piero, 4,842,939, Cl. 428-421.000.
- Gavignet, Alain, to Schlumberger Technology Corporation. Method of controlling fluid influxes in hydrocarbon wells. 4,867,254, 9-19-89, Cl. 175-48.000.
- Gavilan, William A., to Westinghouse Electric Corp. Turbomachine rotor assembly having reduced stress concentrations. 4,820,126, 4-11-89, Cl. 416-221.000.
- Gavilan, William A., to Westinghouse Electric Corp. Pre-load device for a turbomachine rotor. 4,836,749, 6-6-89, Cl. 416-221.000.
- Gavin, David F.: *See—*
  - Rothgery, Eugene F.; Hart, William W. C.; Smith, Edward F., III; Phillips, Steven D.; Sandel, Bonnie B.; and Gavin, David F., 4,812,896, Cl. 357-70.000.
- Gavin, F. Paul; and Peloquin, Debra J., to Moduform, Inc. Modular seclusion room. 4,843,788, 7-4-89, Cl. 52-205.000.
- Gavin, James R.; and Roeland, James F., to Mobil Oil Corporation. Apparatus for forming center-unwindable rolls of perforated plastic film. 4,854,520, 8-8-89, Cl. 242-72.00B.
- Gavin, Lawrence R.: *See—*
  - Doherty, Paul D.; Tackett, Timothy N.; and Gavin, Lawrence R., 4,886,466, Cl. 439-191.000.
- Gavin, Michael T.: *See—*
  - Gavin, Thomas W.; and Gavin, Michael T., 4,861,357, Cl. 55-367.000.
- Gavin, Michel; Grunder, Urs; and Ulmer, Karl, to Gebruder Buhler AG. Method for producing a product from oil seed. 4,859,482, 8-22-89, Cl. 426-518.000.
- Gavin, Norman. Pipe seal and closure member. 4,805,920, 2-21-89, Cl. 277-207.00A.
- Gavin, Norman. Septic tank distribution box system. 4,838,731, 6-13-89, Cl. 405-40.000.
- Gavin, Norman W. Septic tank baffle. 4,832,846, 5-23-89, Cl. 210-532.200.
- Gavin, Thomas W.; and Gavin, Michael T. Vacuum cleaner bar collar. 4,861,357, 8-29-89, Cl. 55-367.000.
- Gaviraghi, Giovanni: *See—*
  - Semeraro, Claudio; Micheli, Dino; Pieraccioli, Daniele; Gaviraghi, Giovanni; and Borthwick, Allan D., 4,801,599, Cl. 514-356.000.
  - Semeraro, Claudio; Micheli, Dino; Pieraccioli, Daniele; Gaviraghi, Giovanni; and Borthwick, Alan D., 4,806,533, Cl. 514-211.000.
- Gavish, Benjamin. Device and method for monitoring small desplacements of a peak in a frequency spectrum. 4,882,535, 11-21-89, Cl. 324-585.00C.
- Gavrieli, Haviv. Fan-type automobile window shade. 4,861,090, 8-29-89, Cl. 160-134.000.
- Gavrielides, Athanasios: *See—*
  - Peterson, Phillip R.; Gavrielides, Athanasios; and Cardimona, David A., 4,880,996, Cl. 307-425.000.
- Gavrielov, Nachum M.: *See—*
  - Gronowski, Paul E.; Peng, Victor; and Gavrielov, Nachum M., 4,858,165, Cl. 364-748.000.
  - Maheshwari, Vijay; Samudrala, Sridhar; and Gavrielov, Nachum M., 4,852,039, Cl. 364-748.000.
  - Peng, Victor; Bowhill, William J.; and Gavrielov, Nachum M., 4,864,527, Cl. 364-748.000.
  - Samudrala, Sridhar; Peng, Victor; and Gavrielov, Nachum M., 4,849,923, Cl. 364-748.000.
- Gavriely, Noam, to Technion Research & Development Foundation Ltd. Treatment method for shock. 4,848,324, 7-18-89, Cl. 128-24.00R.
- Gavronski, Paul A.: *See—*
  - Enloe, Kenneth M.; Gavronski, Paul A.; and McMorrow, Bonnie L., 4,846,825, Cl. 604-385.100.
- Gavronsky, German: *See—*
  - Pinarer, Talat I.; and Gavronsky, German, 4,854,109, Cl. 53-397.000.

Gaw, Craig A.; and Rode, Daniel L., to Motorola, Inc. Electrical contact for an LED. 4,864,370, 9-5-89, Cl. 357-17.000.

Gawargy, Mumtaz B., to Northern Telecom Limited. Electronic hybrid circuit. 4,878,244, 10-31-89, Cl. 379-402.000.

Gawin, Irena, to Hercules Incorporated. Damage tolerant composites containing infusible particles. 4,863,787, 9-5-89, Cl. 428-240.000.

Gawler, David A., to Alcatel Business Systems Limited. Method and apparatus for positioning a member. 4,821,644, 4-18-89, Cl. 101-486.000.

Gawlik, Gerald M.; Hoyt, Robert D.; and Anderson, Eugene A., to Anderson, Eugene A. Portable intravenous stand. 4,807,837, 2-28-89, Cl. 248-125.000.

Gawlik, Keith M.: *See—*
 Hach, Clifford C.; and Gawlik, Keith M., 4,878,614, Cl. 239-10.000.

Gawlik, Norbert: *See—*
 Madle, Wolfgang; Gawlik, Norbert; and Popp, Franz W., 4,847,009, Cl. 252-633.000.

Gawlik, Rolf: *See—*
 Burkel, Rainer; Engelsdorf, Kurt; Gawlik, Rolf; and Hagele, Karl-Heinz, 4,878,470, Cl. 123-401.000.

Gawloski, Leszek: *See—*
 Segerstrom, Clifford C.; Stil, Jacob H.; Ooms, Adrianus J.; Mink, Bernardus H.; Premel, Ulrich; and Gawloski, Leszek, 4,859,214, Cl. 48-197.00R.

Gawne, Dennis M., to Boeing Company, The. Pivotally mounted high energy absorbing aircraft tail skid assembly having predetermined failure mode. 4,815,678, 3-28-89, Cl. 244-109.000.

Gawol, Manfred; and Adrian, Gerhard, to Dr. Hans Heubach GmbH & Co. KG. Corrosion-inhibiting pigments, their production and use. 4,840,668, 6-20-89, Cl. 106-14.210.

Gawrisch, Wolfgang: *See—*
 Dallmann, Hermann; Schaefer, Werner; Gawrisch, Wolfgang; and Hensel, Hartmut, 4,801,640, Cl. 524-394.000.

Gawron, Gregory F.: *See—*
 Kadwell, Brian J.; Fowler, Daniel L.; and Gawron, Gregory F., 4,829,161, Cl. 219-501.000.

Gawronski, Michael J.; Palmquist, Steven L.; Lamberg, John R.; and Hart, Rebecca A., to Honeywell, Inc. Millimeter wave microstrip to coaxial line side-launch transition. 4,837,529, 6-6-89, Cl. 333-33.000.

Gawronski, Michael J.: *See—*
 Hart, Rebecca A.; and Gawronski, Michael J., 4,795,989, Cl. 333-116.000.

Gawrys, George W.: *See—*
 Binkerd, Mark S.; Buss, Christine M.; Gawrys, George W.; and Stone, Roger E., 4,827,500, Cl. 379-88.000.

Gay, Benjamin A.: *See—*
 Lowndes, William, III; Gay, Francis V., II; and Gay, Benjamin A., 4,884,958, Cl. 425-62.000.

Gay, Christian; and Lassiaz, Philippe, to Valeo. Clutch release bearing with bistable spring washer. 4,852,710, 8-1-89, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, to Valeo. Clutch release bearing for an automobile vehicle and means for the installation thereof. 4,872,539, 10-10-89, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, to Valeo. Roller bearing cage for clutch release bearing. 4,878,572, 11-7-89, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, to Valeo. Clutch release bearing. 4,881,629, 11-21-89, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, to Valeo. Clutch release bearing, in particular for automotive vehicle. 4,883,155, 11-28-89, Cl. 192-98.000.

Gay, Christopher J.: *See—*
 Anderson, Frank E.; Gay, Christopher J.; Hightower, Scott A.; and Luton, Karen G., 4,888,600, Cl. 341-24.000.

Gay, Francis V., II: *See—*
 Lowndes, William, III; Gay, Francis V., II; and Gay, Benjamin A., 4,884,958, Cl. 425-62.000.

Gay, Frank P.; and Brunette, Christine M., to Du Pont de Nemours, E. I., and Company. Ordered polyetherketones. 4,816,556, 3-28-89, Cl. 528-176.000.

Gay, Frank P.; Logullo, Francis M.; Luise, Robert R.; and Mack, Mark P., to Du Pont de Nemours, E. I., and Company. End-capping of polyarylate carboxyl acid ends by use of aromatic carbonates. 4,886,875, 12-12-89, Cl. 525-439.000.

Gay, Gerard, J. Device to control the presence of information of images in video signals. 4,872,053, 10-3-89, Cl. 358-108.000.

Gay, James G.; Wilson, Jesse R.; Moyer, William C.; and Hulett, Terry V., to Motorola, Inc. FINUFO cache replacement method and apparatus. 4,802,086, 1-31-89, Cl. 364-200.000.

Gay, Michael J., to Motorola, Inc. Parasitic insensitive switched capacitor filter. 4,795,987, 1-3-89, Cl. 330-107.000.

Gay, Michael J.; and Gutmann, Johannes A., to Motorola, Inc. Telephone circuits. 4,796,295, 1-3-89, Cl. 379-392.000.

Gay, Michael J., to Motorola Inc. Sampled data circuit. 4,876,464, 10-24-89, Cl. 307-353.000.

Gay, Michel; and Canivenc, Edith, to Rhone-Poulenc Chimie. Beta-ketoester substituted diorganopolysiloxanes and PVC stabilzers comprised thereof. 4,808,649, 2-28-89, Cl. 524-264.000.

Gay, Michel, to Thomson-CSF. Electro-optical display screen with control transistors. 4,818,991, 4-4-89, Cl. 340-784.000.

Gay, Paolo: *See—*
 Puozzo, Luciano; Contrafatto, Guido; and Gay, Paolo, 4,808,791, Cl. 219-121.780.
 Puozzo, Luciano; Contrafatto, Guido; and Gay, Paolo, 4,851,637, Cl. 219-121.780.

Gay, Richard L.; and McKenzie, Donald E., to Rockwell International Corporation. Magnesium fluoride recovery method. 4,874,599, 10-17-89, Cl. 423-490.000.

Gay, Thomas; Bertolami, Charles N.; and Solonche, David J., to Arthrotek, Inc. Method and apparatus for the acoustic detection and analysis of joint disorders. 4,836,218, 6-6-89, Cl. 128-773.000.

Gayer, Herbert; and Jelich, Klaus, to Bayer Aktiengesellschaft. Process for the preparation of 2-cyano-2-oximino-acetamide derivatives. 4,841,086, 6-20-89, Cl. 558-301.000.

Gayer, Herbert; Jelich, Klaus; Lunkenheimer, Winfried; Brandes, Wilhelm; and Hanssler, Gerd, to Bayer Aktiengesellachaft. 2-cyano-2-alkoximino-acetamides. 4,886,833, 12-12-89, Cl. 514-521.000.

Gayer, Herbert: *See—*
 Jelich, Klaus; Gayer, Herbert; Kramer, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,874,424, Cl. 71-105.000.

Gayle, Edwin O. Guard structure for tomato plants. 4,858,380, 8-22-89, Cl. 47-45.000.

Gaylin, Wayne L. Carrier cable, fiber optic cable, and sheath support assembly. 4,856,867, 8-15-89, Cl. 350-96.230.

Gaylor, Eli, to Winners' Choice Selector Inc., The. Random number selector. 4,861,032, 8-29-89, Cl. 273-144.00B.

Gaylord, Norman G.; and Schor, Joseph M., to Forest Laboratories, Inc. Controlled release solid drug dosage forms based on mixtures of water soluble nonionic cellulose ethers and anionic surfactants. 4,795,327, 1-3-89, Cl. 424-468.000.

Gaylord, Norman G.; and Schor, Joseph M., to Forest Laboratories, Inc. Controlled release solid drug dosage forms based on mixtures of water soluble nonionic cellulose ethers and anionic surfactants. 4,849,229, 7-18-89, Cl. 424-468.000.

Gaylord, Norman G.: *See—*
 Allan, John L.; Boettcher, Jeffery J.; Gaylord, Norman G.; and Katz, Leon, 4,873,273, Cl. 523-407.000.

Gaymans, Reinoud J., to Stamicarbon B.V. Copolyamide from tetramethylene diamine, adipic acid and terephthalic acid. 4,868,280, 9-19-89, Cl. 528-339.000.

Gaymar Industries, Inc.: *See—*
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Gayne, Gregory C.: *See—*
 Green, Paul G.; and Gayne, Gregory C., 4,830,368, Cl. 273-25.000.

Gaynor, Dennis A.; and Hansen, James R., to Viskase Corporation. Spice-odor antimycotic containing cellulosic casing article. 4,874,622, 10-17-89, Cl. 426-135.000.

Gaynor, Edwin; and Dinsdale, John C., to Edwin Gaynor Co. Socket for compact fluorescent lamps. 4,799,896, 1-24-89, Cl. 439-232.000.

Gaynor, John C.: *See—*
 Johnstone, Norman E.; Gaynor, John C.; and Erickson, Robert W., 4,801,355, Cl. 162-181.300.

Gayso, Donald. Dryer for permanent press fabrics. 4,819,341, 4-11-89, Cl. 34-86.000.

Gayso, Donald W. Centrifugal casting machine with venturi actuated vacuum venting. 4,796,686, 1-10-89, Cl. 164-287.000.

Gayuli, Daniel A.: *See—*
 Panza, Victor F.; Rosso, Alejandro; and Gayuli, Daniel A., 4,801,480, Cl. 428-40.000.

Gaywood, John E., to British Aerospace Public Limited Company. Deployment arrangement for spinning body. 4,817,891, 4-4-89, Cl. 244-3.230.

Gaz de France: *See—*
 Anne, Roland, 4,889,450, Cl. 405-154.000.
 Bazinet, Marc; and Sauron, Jean, 4,856,168, Cl. 29-272.000.
 Belaich, Jean-Pierre; Fardeau, Marie-Laure; Peillex, Jean-Paul; and Pavia, Andre, 4,883,753, Cl. 435-167.000.
 Cagnon, Francois; Di Paola, Denis; Austruy, Georges; and Vichon, Andre, 4,875,850, Cl. 431-8.000.
 Devilleger, Denis; and Le Gac, Jean-Yves, 4,848,401, Cl. 137-599.000.
 Le Gac, Jean-Yves; Devilleger, Denis; and Majewski, Philippe, 4,884,633, Cl. 166-75.100.
 Lioret, Jean-Claude; and Bonnaure, Christian, 4,833,321, Cl. 250-258.000.
 Nussbaum, Max; Picart, Thierry; and Sauron, Jean, 4,837,424, Cl. 219-494.000.
 Przydrozny, Michel; D'Emmerez de Charmoy, Roger D.; Sauvion, Guy N. L.; and Caillod, Jack J. R., 4,833,112, Cl. 502-304.000.

Gaz Metropolitain Inc.: *See—*
 Bose, Tapan K.; Chahine, Richard; Marchildon, Louis; and St-Arnaud, Jean-Marie, 4,856,320, Cl. 73-30.000.

Gazalski, Richard S. Standing goose decoy. 4,885,861, 12-12-89, Cl. 43-3.000.

Gazard, Maryse: *See—*
 Gombert, Jean; Quinty, Christian; Gazard, Maryse; and Blaison, Serge, 4,853,258, Cl. 427-169.000.

Gazda, Chester T.; and O'Melia, Lawrence F., to Titeflex Corporation. Integral cathodic protection device. 4,855,029, 8-8-89, Cl. 204-197.000.

Gazda, Imre I., to Otis Engineering Corporation. Well testing apparatus and methods. 4,842,064, 6-27-89, Cl. 166-250.000.

Gazda, Imre I., to Otis Engineering Corporation. Parking mandrel. 4,844,160, 7-4-89, Cl. 166-217.000.

Gazda, Stanislaw: *See—*
 Starczewski, Marian; Switonska-Oskedra, Maria; Grzywaczewski, Tadeusz; Pisarski, Hubert; Gazda, Stanislaw; and Sybilska, Genowefa, 4,795,625, Cl. 423-566.000.

Gazdag, Maria: *See—*
 Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Bogsch, Erik; Kassai nee Zieger, Anna; Trischler, Ferenc; Szepesi, Gabor; and Gazdag, Maria, 4,816,587, Cl. 544-346.000.

Gazdik, Charles E.; McBride, Donald G.; Seraphim, Donald P.; and Toole, Patrick A., to International Business Machines Corporation. Full panel electronic packaging structure. 4,855,867, 8-8-89, Cl. 361-306.000.

Gazdik, Lawrence E.; and Allard, Edward F., to Kamyr, Inc. Mixing chlorine gas into paper pulp slurries. 4,842,690, 6-27-89, Cl. 162-57.000.

Gazelle Microcircuits, Inc.: *See—*
 Fitzpatrick, Mark E.; and Graham, Andrew C., 4,812,683, Cl. 307-448.000.
 Fitzpatrick, Mark E.; and Graham, Andrew C., 4,849,717, Cl. 331-111.000.
 Fitzpatrick, Mark E.; and Gouldsberry, Gary R., 4,868,416, Cl. 307-296.800.
 Fitzpatrick, Mark E.; Chan, Yat-Sum; and Gouldsberry, Gary R., 4,868,427, Cl. 307-475.000.
 Fitzpatrick, Mark E.; Gouldsberry, Gary R.; Chan, Yat-Sum; and Pang, Richard F., 4,871,931, Cl. 307-491.000.
 Gouldsberry, Gary R.; and Fitzpatrick, Mark E., 4,853,628, Cl. 324-158.00R.
 Graham, Andrew C.; and Fitzpatrick, Mark E., 4,800,303, Cl. 307-450.000.
 Graham, Andrew C.; and Fitzpatrick, Mark E., 4,810,905, Cl. 307-448.000.
 Graham, Andrew C.; and MacMillan, David C., 4,872,140, Cl. 365-96.000.
 MacMillan, David C.; and Graham, Andrew C., 4,844,563, Cl. 307-475.000.
 Popat, Kaushik; and MacMillan, David, 4,868,522, Cl. 331-2.000.

Gazet, Andre : *See—*
 Bernard, Patrice; Lancien, Daniel; and Gazet, Andre , 4,863,123, Cl. 246-122.00R.

Gazith, Joseph: *See—*
 Shroot, Braham; Watts, Oliver; Gazith, Joseph; and Cavey, Marie-Therese, 4,880,941, Cl. 549-57.000.

Gazsi, Lajos, to Siemens Aktiengesellschaft. Digital circuit for sampling rate variation and signal filtering and method for constructing the circuit. 4,825,396, 4-25-89, Cl. 364-724.150.

Gazzani, Giovanni, to Crinos Industria Farmacobiologica S.p.A. Composition for the extemporary preparation of formulations for topical applications for pharmaceutical and cosmetic use. 4,808,415, 2-28-89, Cl. 424-488.000.

Gazzani, Giovanni, to Crinos Industria Farmacobiologica S.p.A. Cosmetic composition containing glycoproteins for the skin care. 4,885,169, 12-5-89, Cl. 424-104.000.

Gazzani, Giovanni, to Crinos Industria Farmacobiologica S.p.A. Salt of trisaccharide, and composition and process for re-stimulating hair growth. 4,889,843, 12-26-89, Cl. 514-54.000.

Gazzaniga, Annibale; Gianesello, Valter; Stroppolo, Federico; and Vigano, Luigi, to Zambon S.p.A. Pharmaceutical composition with analgesic activity. 4,834,966, 5-30-89, Cl. 424-43.000.

Gazzano, Rick; and Pagotto, John, to Easton Sports. High flexibility protective glove. 4,815,147, 3-28-89, Cl. 2-161.00A.

Gazzarini, Vinico, to Solis S.r.l. Method and apparatus for the automatic transfer of pantyhose and similar articles from a toe sewing machine to a drawing machine. 4,881,477, 11-21-89, Cl. 112-121.150.

Gazzarrini, Vinicio, to SOLIS S.R.L. Device for holding textile articles. 4,871,206, 10-3-89, Cl. 294-99.100.

Gazzarrini, Vinicio, to Solis S.R.L. Device with adhesive for the holding of thin textile articles. 4,887,858, 12-19-89, Cl. 294-1.100.

Gazzola, Giovanni A. Overcoat convertible into a bag. 4,862,520, 9-5-89, Cl. 2-85.000.

GB Electrical, Inc.: *See—*
 Custin, James R., 4,884,339, Cl. 30-90.400.

Gdula, Michael, to General Electric Company. Digital speed controller using a single-chip microcontroller. 4,845,608, 7-4-89, Cl. 364-166.000.

GE Chemicals, Inc.: *See—*
 Gaggar, Satish K.; Dumler, James M.; and Cleveland, Thomas B., 4,857,590, Cl. 525-64.000.

GE Fanuc Automation North America, Inc.: *See—*
 Cieri, Joseph J.; Kocher, Mark J.; Gareis, Ronald E.; Holet, Kenneth M.; and Tuso, Michael J., 4,872,136, Cl. 364-900.000.
 Ketelhut, William J.; and Konrad, Charles E., 4,870,564, Cl. 364-200.000.
 Thomas, Sherman G., 4,865,560, Cl. 439-341.000.

GEA Energiesystemtechnik GmbH & Co.: *See—*
 Borchert, Werner, 4,849,105, Cl. 210-408.000.

GEA Food and Process Systems Corp.: *See—*
 Bardoff, Samuel B., 4,864,970, Cl. 122-32.000.

Geadah, Youssef A.; and Lefebvre, Martin C., to Northern Telecom Limited. FIFO buffer controller. 4,873,667, 10-10-89, Cl. 365-189.070.

Geadah, Youssef A.: *See—*
 Lefebvre, Martin C.; Ciancibello, Carmine A.; and Geadah, Youssef A., 4,873,666, Cl. 365-189.070.
 Munter, Ernst A.; Sultan, Mahmood; and Geadah, Youssef A., 4,816,826, Cl. 340-825.520.

Geals, Donald W.: *See—*
 Smith, Paul F.; and Geals, Donald W., 4,826,693, Cl. 426-34.000.

Gealt, Arthur E. Portable weighing device having improved resolution. 4,815,549, 3-28-89, Cl. 177-234.000.

Gearhart, Kenton, to American Maplan Corporation. Coextrusion block, especially for the coextrusion of generally flat PVC articles, such as siding. 4,856,975, 8-15-89, Cl. 425-131.100.

Gearhart, Kenton, to American Maplan Corporation. Siding die. 4,874,306, 10-17-89, Cl. 425-192.00R.

Gearhart, Victor C.: *See—*
 Gibson, James O.; Gearhart, Victor C.; Birrell, Steven E.; and Hawrylow, Gabriele M., 4,802,186, Cl. 372-92.000.
 Gibson, James O.; Gearhart, Victor C.; Birrell, Steven E.; and Hawrylow, Gabriele M., 4,805,181, Cl. 372-72.000.

Gearhart, Walter S., to United States of America, Navy. Fuel efficient propulsor for outboard motors. 4,798,547, 1-17-89, Cl. 440-66.000.

Gearin, Peter; and Leech, Everett A., to G & G Intellectual Properties, Inc. System for loading motor vehicles into standard cargo-carrying enclosures. 4,797,049, 1-10-89, Cl. 414-400.000.

Geary, Earl H., to Elliott Turbomachinery Co., Inc. Particulate collection and cooling in a turbomachine. 4,798,047, 1-17-89, Cl. 60-39.092.

Geary, Denise M.; Pettit, Paul H., Jr.; Kaufman, Marvin L.; and Vicha, Susan K., to PPG Industries, Inc. Hydroxyalkylamide powder coating curing system. 4,801,680, 1-31-89, Cl. 528-272.000.

Geary, Denise M.; Pettit, Paul H., Jr.; and Vicha, Susan K., to PPG Industries, Inc. Chip resistant coatings. 4,804,581, 2-14-89, Cl. 428-332.000.

Geary, Earl G., Jr.: *See—*
 Buljan, Sergej-Tomislav V.; and Geary, Earl G., Jr., 4,863,490, Cl. 51-293.000.
 Buljan, Sergej-Tomislav V.; and Geary, Earl G., Jr., 4,889,836, Cl. 501-97.000.

Geary, Edwin S. Propeller and coupling member. 4,842,483, 6-27-89, Cl. 416-93.00A.

Geary, Frederick J., to Robertshaw Controls Company. Heating element operating unit and method. 4,809,128, 2-28-89, Cl. 361-264.000.

Geary, Frederick J., to Robertshaw Controls Company. Primary gas furnace control. 4,836,770, 6-6-89, Cl. 431-46.000.

Geary, Frederick J., to Robertshaw Controls Company. Hot surface direct ignition system for gas furnaces. 4,856,983, 8-15-89, Cl. 431-27.000.

Geary, Frederick J., to Robertshaw Controls Company. Fuel control unit for a gas furnace and method of making the same. 4,865,539, 9-12-89, Cl. 431-46.000.

Geary, George B., to Geary, George B. Casing connector. 4,846,507, 7-11-89, Cl. 285-27.000.

Geary, James E., Jr.; Leffew, Kenneth W.; Schiff, David R.; and Mules, Richard D., to Du Pont de Nemours, E. I., and Company. Free surface casting method. 4,810,527, 3-7-89, Cl. 427-54.100.

Geary, John M.: *See—*
 Campbell, Frederick; Geary, John M.; and Schofield, John D., 4,861,380, Cl. 106-504.000.

Geary, Joseph M.: *See—*
 Peterson, Phillip R.; and Geary, Joseph M., 4,872,135, Cl. 364-822.000.

Geary, Philip J.: *See—*
 Schofield, John A.; Betteridge, Peter R.; Ryback, George; and Geary, Philip J., 4,876,200, Cl. 435-253.300.

Geary, Robert J., Sr., to Saint Thomas Fund. Plant antitranspirant. 4,828,602, 5-9-89, Cl. 71-85.000.

Geary, Timothy C. Self-contained ladder system for a boat. 4,811,817, 3-14-89, Cl. 182-76.000.

Gebald, Gregor: *See—*
 Maassen, Wilhelm; Gebald, Gregor; and Thomas, Ulrich, 4,884,699, Cl. 209-587.000.
 Rohner, Joachim, deceased; Langen, Manfred; and Gebald, Gregor, 4,846,414, Cl. 242-35.50A.
 Ruge, Joachim; Neuhaus, Ludwig; Kathke, Gregor; Hermanns, Ferdinand-Josef; and Gebald, Gregor, 4,828,191, Cl. 242-18.00R.

Gebauer, Carl R.: *See—*
 Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Leong, Koon-Wah; and Kumar, Anand, 4,808,539, Cl. 436-74.000.
 Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.

Gebauer, Gerhard: *See—*
 Maier, Martin; Sayer, Heinz; and Gebauer, Gerhard, 4,828,464, Cl. 417-388.000.

Gebauer, Helmut; and Kreuzer, Franz-Heinrich, to Consortium fur Elektrochemische Industrie GmbH. Solid which releases a fragrant substance and/or a disinfectant. 4,842,853, 6-27-89, Cl. 424-76.100.

Gebauer, Helmut: *See—*
 Friedrich, Wilhelm; Gebauer, Helmut; Hafner, Walter; and Regiert, Marlies, 4,849,401, Cl. 512-25.000.
 Kreuzer, Franz-Heinrich; and Gebauer, Helmut, 4,863,723, Cl. 424-76.400.

Gebbardt, Gunter, to Gebhardt Fordertechnik GmbH. Loading and unloading station for commercial vehicles and containers. 4,832,559, 5-23-89, Cl. 414-392.000.

Gebbhardt, Robert: *See—*
 Vockensperger, Hubert; Hieble, Franz; and Gebbhardt, Robert, 4,805,534, Cl. 102-489.000.

Gebelein, Rolin J. Fast, aberration-free flat field catadioptric telescope. 4,881,801, 11-21-89, Cl. 350-503.000.

Geberit AG: *See—*
 Diethelm, Alois, 4,794,654, Cl. 4-295.000.

Gebert, Paul H. Spinning top game apparatus and method. 4,828,258, 5-9-89, Cl. 273-1.00G.

Gebert, Ulrich; Okyayuz-Baklouti, Ismahan; and Thorwart, Werner, to Hoechst Aktiengesellschaft. Tertiary hydroxyalkylxanthines, medi-

- caments containing them and their use. 4,833,146, 5-23-89, Cl. 514-263.000.
- Geberth, John D., Jr. Clutch apparatus for rapid power source conversion. 4,840,543, 6-20-89, Cl. 417-223.000.
- Gebeyehu, Gulilat: *See—*
  - Klevan, Leonard; Gebeyehu, Gulilat; and Rao, Prasad Y., 4,828,979, Cl. 435-6.000.
- Gebhard, Albert W., to Gerico, Inc. Combination infant stroller and baby bassinet. 4,836,573, 6-6-89, Cl. 280-644.000.
- Gebhard, Bruno: *See—*
  - Assel, Eugen; Dasbach, Burkhard; and Gebhard, Bruno, 4,879,434, Cl. 174-35.00R.
- Gebhard, Erwin: *See—*
  - Handtmann, Albert A.; Haupt, Gunter; Gebhard, Erwin; Fischer, Franz; and Schroder, Valentin, 4,867,638, Cl. 415-172.100.
- Gebhard, Georg: *See—*
  - Holter, Heinz; and Gebhard, Georg, 4,832,936, Cl. 423-555.000.
  - Ruch, Ola; Johansen, Trond V.; Naess, Ludvig; Poerner, Horst; Gebhard, Georg; Weber, Robert; and Heller, Max, 4,852,391, Cl. 73-40.50R.
- Gebhard, Hermann: *See—*
  - Kobbing, Heinz; and Gebhard, Hermann, 4,797,548, Cl. 250-221.000.
- Gebhardt, Adolf: *See—*
  - Bauer, Hans-Peter; Bauer, Hans J.; and Gebhardt, Adolf, 4,844,392, Cl. 248-162.100.
- Gebhardt, Axel, to Dr. Ing. Rudolf Hell GmbH. Opto-electronic scanning arrangement. 4,821,114, 4-11-89, Cl. 358-75.000.
- Gebhardt, Edwin J.; Keaton, George H.; and Sinar, Michael M., to USX Corporation. Polyurethane sleeve for tension reels. 4,832,276, 5-23-89, Cl. 242-78.100.
- Gebhardt, Edwin J.; Keaton, George H.; Sinar, Michael M.; and Wendt, James N., to USX Corporation. Edge brush for electroplated strip. 4,852,198, 8-1-89, Cl. 15-77.000.
- Gebhardt Fordertechnik GmbH: *See—*
  - Felder, Christian, 4,811,830, Cl. 198-372.000.
  - Gebbardt, Gunter, 4,832,559, Cl. 414-392.000.
- Gebhardt, Istvan: *See—*
  - Knausz, Dezso; Csakvari, Bela; Gebhardt, Istvan; Meszticzky, Aranka; Kolos, Zsuzsanna; Rohonczy, Janos; Szederkenyi, Ferenc; Ujszaszy, Kamtan; and Volford, Janos, 4,831,173, Cl. 556-420.000.
- Gebhardt, Peter: *See—*
  - Ochs, Rudolf; Moeller, Michael; Nagl, Wolfgang; and Gebhardt, Peter, 4,825,903, Cl. 137-529.000.
- Gebhardt, Robert: *See—*
  - Vockensperger, Hubert; Hieble, Franz; and Gebhardt, Robert, 4,807,534, Cl. 102-489.000.
- Gebhardt, Roland. Signage system support structure. 4,882,866, 11-28-89, Cl. 40-611.000.
- Gebhardt, Roland: *See—*
  - McCue, David S.; and Gebhardt, Roland, 4,808,451, Cl. 428-31.000.
- Gebhart, Gary R., to Horstman Manufacturing Co. Centrifugal cone clutch. 4,856,637, 8-15-89, Cl. 192-105.00C.
- Gebo: *See—*
  - Ludwig, Marcel; Schoen, Robert; and Elchinger, Othon, 4,880,103, Cl. 198-434.000.
- Gebo, Charles H.; and Roth, Bradley C., to Eastman Kodak Company. Shielding method for use with electromagnetic balance. 4,836,293, 6-6-89, Cl. 177-1.000.
- Gebo, Charles H.; and Roth, Bradley C., to Eastman Kodak Company. Shielding means for use with electromagnetic balance. 4,878,552, 11-7-89, Cl. 177-212.000.
- Gebr. Bindler GmbH & Co, KG: *See—*
  - Bindler, Uwe; and Schurholz, Theo, 4,822,268, Cl. 425-454.000.
- Gebr. Bode & Co. GmbH: *See—*
  - Bode, Jurgen; and Horn, Manfred, 4,833,827, Cl. 49-280.000.
  - Bode, Jurgen; and Horn, Manfred, 4,838,102, Cl. 74-89.150.
- Gebr. Dingerkus: *See—*
  - Witte, Gunter, 4,825,505, Cl. 16-114.00A.
- Gebr. Eickhoff Maschinenfabrik u. Eisengiesserei mbH: *See—*
  - Henrich, Friedhelm; and Hellmuth, Werner, 4,883,323, Cl. 299-42.000.
  - Klimèck, Hugo; Knorr, Volker; and Wilken, Gerhard, 4,813,747, Cl. 299-43.000.
  - Odenkirchen, Horst; and Lodwig, Klaus, 4,796,143, Cl. 361-37.000.
  - Schupphaus, Herbert; and Reike, Siegfried, 4,828,326, Cl. 299-42.000.
  - Schupphaus, Herbert, 4,889,393, Cl. 299-42.000.
  - Weber, Karl-Heinz, 4,870,697, Cl. 455-70.000.
- Gebr. Eickhoff Maschinenfabrik u. Eisenglesserei mbH: *See—*
  - Muller, Lothar, 4,850,648, Cl. 299-43.000.
- Gebr. Happich GmbH: *See—*
  - Lang, Manfred, 4,882,956, Cl. 81-20.000.
  - Mahler, Gert; Cziptschirsch, Kurt; and Oltmanns, Oltmann, 4,844,530, Cl. 296-97.100.
  - Schroder, Franz; Buller, Ludger; and Hemmis, Ludger, 4,809,463, Cl. 49-377.000.
  - Schroder, Franz; and Strutz, Gerd, 4,835,031, Cl. 428-122.000.
- Gebr. Haslbeck GmbH: *See—*
  - Taubitz, Kurt, 4,850,634, Cl. 296-107.000.
- Gebr. Hennig GmbH: *See—*
  - Stohr, Albert, 4,860,917, Cl. 220-8.000.
- Gebr. Hofmann GmbH & Co. KG Maschinenfabrik: *See—*
  - Himmler, Gunther, 4,817,421, Cl. 73-146.000.
  - Sander, Rembrandt, 4,861,214, Cl. 414-225.000.
- Gebr. Leitz GmbH & Co.: *See—*
  - Falchle, Karl-Heinz, 4,826,363, Cl. 407-40.000.
- Gebr. Sulzer AG: *See—*
  - Zwicky, Ruedi; Weber, Thomas; and Baumgartner, Dominik, 4,851,757, Cl. 322-58.000.
- Gebroeders Rock Beheer B.V.: *See—*
  - Rook, Cornelis; and Klein, Willem, 4,886,633, Cl. 264-219.000.
- Gebroeders Rook Beheer B.V.: *See—*
  - Rook, Cornelis; and Klein, Willem, 4,856,976, Cl. 425-320.000.
- Gebruder Bauermeister & Co.: *See—*
  - Holl, Wolfgang; Weilandt, Gerhard; and Thiem, Heinz, 4,836,459, Cl. 241-225.000.
- Gebruder Buhler AG: *See—*
  - Gavin, Michel; Grunder, Urs; and Ulmer, Karl, 4,859,482, Cl. 426-518.000.
  - Manser, Josef; Seiler, Werner; and Egger, Friedrich, 4,830,866, Cl. 426-451.000.
- Gebruder Heller GmbH. Werkzeugfabrik: *See—*
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- Gebruder Junghans GmbH: *See—*
  - Schillinger, Wolfgang; Halssig, Andreas; and Zehnder, Wolfgang 4,876,960, Cl. 102-249.000.
  - Winterhalter, Walter; and Halssig, Andreas, 4,798,140, Cl. 102-251.000.
- Gebruder Linck Mashinenfabrik Gatterlinck GmbH & Co. KG: *See—*
  - Reuter, Alfred, 4,848,427, Cl. 144-369.000.
- Gebruder Lindenmeyer GmbH: *See—*
  - Mauch, Magnus, 4,860,835, Cl. 173-133.000.
- Gebruder Lodige Maschinenbau-Gesellschaft: *See—*
  - Holzmuller, Reinhold; and Lucke, Roland, 4,818,297, Cl. 134-12.000.
- Gebruder Lodige Maschinenbaugesellschaft mbH: *See—*
  - Schwarz, Manfred, 4,860,960, Cl. 241-89.300.
- Gebruder Netzsch Maschinenfabrik GmbH & Co.: *See—*
  - Pausch, Horst, 4,805,841, Cl. 241-30.000.
- Gebruder Weiss K.G.: *See—*
  - Kneer, Franz X., 4,820,108, Cl. 414-301.000.
- Gebrueder Buehler AG: *See—*
  - Ammann, Jorg; Schaffner, Hans Peter; and Ackermann, Ernst 4,817,517, Cl. 99-483.000.
  - Lippuner, Christian; and Baltensperger, Werner, 4,881,689, Cl. 241-9.000.
  - Mueller, Roman, 4,806,235, Cl. 209-321.000.
- Gebrueder Loepfe AG: *See—*
  - De Coi, Beat; and Keller, Hans-Peter, 4,873,621, Cl. 364-150.000.
- GEC Avionics Limited: *See—*
  - Fremont, Andrew de M., 4,800,277, Cl. 250-334.000.
  - Howard, Richard K., 4,863,225, Cl. 350-3.650.
  - Wixley, Frederick J., 4,801,866, Cl. 324-73.0PC.
- GEC-Marconi Limited: *See—*
  - Busbridge, Michael L.; and Puleston, David J., 4,827,252, Cl. 340-729.000.
  - Ellis, Stafford M., 4,828,378, Cl. 350-538.000.
  - Ellis, Stafford M., 4,863,269, Cl. 356-251.000.
  - Mundy, Anthony C.; and Steward, David G., 4,832,449, Cl. 350-174.000.
  - Oetzmann, Emerson H., 4,866,384, Cl. 324-244.000.
  - Peck, Roger, 4,835,606, Cl. 358-113.000.
  - Samuels, Mark A., 4,868,657, Cl. 358-140.000.
- GEC Mechanical Handling Limited: *See—*
  - Cohen, Henry E., 4,828,711, Cl. 210-695.000.
- GEC Plessey Telecommunications, LTD.: *See-*
  - Stibila, Michael E., 4,862,495, Cl. 379-183.000.
- Gechem: *See—*
  - Verwilst, Jacques; and Jourquin, Lucien, 4,822,549, Cl. 264-250.000.
- Geco A.S.: *See—*
  - Langeland, Jan-Age; Gjestrum, Einar; and Bjerkoy, Rolf 4,798,156, Cl. 114-242.000.
  - Russell, Michael; and Gjestrum, Einar, 4,828,223, Cl. 254-265.000.
  - Snook, Clive T., 4,884,249, Cl. 367-154.000.
- Geco Geophysical Company of Norway A.S.: *See—*
  - Ziolkowski, Antoni M.; Hatton, Leslie; Parkes, Gregory E.; and Haugland, Tor-Avid, 4,868,794, Cl. 367-23.000.
- Geddes, Leslie A.; Babbs, Charles F.; Voorhees, William D., III; and Bourland, Joe D., to Purdue Research Foundation. Demand electroventilator. 4,827,935, 5-9-89, Cl. 128-419.00G.
- Geddes, Leslie A.: *See—*
  - Bourland, Joe D.; Babbs, Charles F.; Geddes, Leslie A.; Tacker, Willis A., Jr.; and Graber, George P., 4,827,763, Cl. 73-172.000.
- Geddes, Ronald C., to U.S. Philips Corporation. Non-volatile memory having charge correction circuitry. 4,800,528, 1-24-89, Cl. 365-185.000.
- Geddie, John D.: *See—*
  - McMahan, David R.; Nagengast, William E.; and Geddie, John D. 4,851,976, Cl. 362-226.000.
- Geddis, Michael E.: *See—*
  - Anderson, David S.; and Geddis, Michael E., 4,887,718, Cl. 206-611.000.
- Gedecke, Jerel C.: *See—*
  - Brint, Gary T.; Bungardt, Gabriele: Gedecke, Jerel C.; Harris Robert L.; and Kraz, Vladimir, 4,876,712, Cl. 379-387.000.
- Gedig, Alfred: *See—*
  - Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Gedig Alfred; Klink, Josef; and Koucky, Antonin, 4,805,481, Cl. 74-528.000.

- Gee, Arnold E.: *See—*
  - Swanson, Steven E.; and Gee, Arnold E., 4,846,565, Cl. 350-96.220.
- Gee, Colin, to Flexitallic Limited. Gaskets. 4,796,351, 1-10-89, Cl. 29-455.100.
- Gee, James E.: *See—*
  - Price, Robert J.; Gee, James E.; Tonsor, Andrew J.; Satzler, Ronald L.; and Stevens, Samuel B., 4,838,373, Cl. 180-9.460.
  - Stevens, Samuel B.; Gee, James E.; and Tonsor, Andrew J., 4,834,478, Cl. 305-21.000.
  - Tonsor, Andrew J.; Nelson, David E.; Gee, James E.; and Stevens, Samuel B., 4,836,318, Cl. 180-9.500.
- Gee, John C.: *See—*
  - Chew, Calvin T.; and Gee, John C., 4,855,491, Cl. 562-414.000.
- Gee, Kenneth H. Method of operating mineral wool cupolas and using spent electrolytic aluminum pot lining. 4,822,388, 4-18-89, Cl. 65-2.000.
- Gee, Michael A.: *See—*
  - Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,822,590, Cl. 423-561.100.
  - Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,853,359, Cl. 502-220.000.
- Gee, Ralph L.: *See—*
  - Anderson, Robert W.; Gee, Ralph L.; Indelicato, Jasper A.; and Patel, Arvind M., 4,833,079, Cl. 371-38.000.
- Gee, Thomas A.; and Sullivan, Mark W., to Eaton Corporation. Tractor-trailer brake control system. 4,804,234, 2-14-89, Cl. 303-7.000.
- Gee, Thomas A.; and Sullivan, Mark W., to Eaton Corporation. Tractor-trailer brake control system. 4,804,237, 2-14-89, Cl. 303-7.000.
- Gee, Thomas A.: *See—*
  - Dierker, Joseph B., Jr.; Peterson, Glen D.; and Gee, Thomas A., 4,862,025, Cl. 310-68.00B.
  - Dierker, Joseph B., Jr.; Peterson, Glen D.; and Gee, Thomas A., 4,862,028, Cl. 310-168.000.
- Geedes, Norman R.: *See—*
  - Clark, Jack; and Geedes, Norman R., 4,819,870, Cl. 238-351.000.
- Geekie, James, to Siliconix Incorporated. Method of fabricating a high value semiconductor resistor. 4,843,027, 6-27-89, Cl. 437-63.000.
- Geel, Adam P., to Lantor B.V. Use of a fibrous web incorporating microspheres for preparing reinforced objects. 4,818,583, 4-4-89, Cl. 428-195.000.
- Geelen, Pierre M. L., to Geelen Techniek B.V. Device for cooling and/or drying bulk goods. 4,887,364, 12-19-89, Cl. 34-57.00C.
- Geelen Techniek B.V.: *See—*
  - Geelen, Pierre M. L., 4,887,364, Cl. 34-57.00C.
- Geelhaar, Thomas: *See—*
  - Hopf, Reinhard; Scheuble, Bernhard; Wachtler, Andreas; Hittich, Reinhard; Eidenschink, Rudolf; Geelhaar, Thomas; Krause, Joachim; and Reiffenrath, Volker, 4,886,620, Cl. 252-299.610.
  - Krause, Joachim; Eidenschink, Rudolf; Bofinger, Klaus; Scheuble, Bernhard; and Geelhaar, Thomas, 4,834,904, Cl. 252-299.010.
  - Krause, Joachim; Reiffenrath, Volker; and Geelhaar, Thomas, 4,871,472, Cl. 252-299.650.
  - Reiffenrath, Volker; Krause, Joachim; Geelhaar, Thomas; Eidenschink, Rudolf; Kurmeier, Hans-Adolf; Poetsch, Eike; Scheuble. Bernhard; and Weber, Georg, 4,871,469, Cl. 252-299.610.
- Geen, John A.; and Johnson, Brian, to British Aerospace Public Limited Company. Analog-to-digital conversion. 4,839,650, 6-13-89, Cl. 341-118.000.
- Geenen, Bernard: *See—*
  - Charlier, Jean; Geenen, Bernard; Laurent, Bernard; Lorsignol, Jean; Malherbe, Andre; and Perbos, Jean-Luc, 4,800,556, Cl. 370-3.000.
- Geenen, Peter V.; and Bennis, Jan, to Shell Oil Company. Process. 4,818,224, 4-4-89, Cl. 432-248.000.
- Geens, Maurits; and Van Daele, Jean A., to Agfa-Gevaert N.V. DC motor speed stabilizing method and apparatus. 4,837,486, 6-6-89, Cl. 388-811.000.
- Geepard Industries, Inc.: *See—*
  - Seib, George E.; and Seib, Bradley D., 4,858,317, Cl. 30-115.000.
- Geer, Kenton D.: *See—*
  - Graham, Kenneth; Geer, Kenton D.; and Bednarski, Katherine, 4,879,821, Cl. 36-44.000.
- Geernaert, Gustaaf A. L.: *See—*
  - Hoefkens, Daniel S. G.; Spaenjers, Joannes H. P. M.; Boeykens, Eduard C. M.; Verhille, Henri A. J.; and Geernaert, Gustaaf A. L., 4,862,449, Cl. 370-32 100.
- Geerpres, Inc.: *See—*
  - Breveglieri, Frank J.; and Streit, Kenneth F., 4,869,518, Cl. 289-47.350.
  - Breveglieri, Franklin L., 4,852,747, Cl. 211-70.600.
- Geerts, Jean-Pierre: *See—*
  - Cossement, Eric; Geerts, Jean-Pierre; Gobert, Jean; and Michel, Philippe, 4,814,343, Cl. 514-397.000.
  - Gobert, Jean; Geerts, Jean-Pierre; and Dodson, Guy, 4,837,223, Cl. 514-424.000.
  - Gobert. Jean; Giurgea, Corneliu; Geerts, Jean-Pierre; and Bodson, Guy, 4,837,224, Cl. 514-424.000.
- Gees, Theodor, to General Motors Corporation. Axle shaft assembly for a motor vehicle. 4,869,556, 9-26-89, Cl. 301-124.00R.
- Geesbreght, John M.: *See—*
  - Dial, Darrell D.; and Geesbreght, John M., 4,805,639, Cl. 128-857.000.
- Geesink, Johannes H.: *See—*
  - Le Doux, Georges F. J.; and Geesink, Johannes H., 4,857,258, Cl. 264-515.000.
- Geever, James E.: *See—*
  - Orlowski, Ronald C.; Seyler, Jay K.; Geever, James E.; and Flanigan, Everett, 4,820,804, Cl. 530-307.000.
- Geeves, Garry L. Storage container for use in trunks of vehicles. 4,884,733, 12-5-89, Cl. 224-311.000.
- Gefard, Prevot: *See—*
  - Legrand, Jean-Claude; and Gefard, Prevot, 4,872,716, Cl. 292-336.300.
- Geffen, Mitchell M.: *See—*
  - Sherman, Barry C.; and Geffen, Mitchell M., 4,850,595, Cl. 273-240.000.
- Geffroy. Dominique: *See—*
  - Sylviane, Bitoune; Grossier, Francois; LeCreff, Maurice; Ralala, Gerard; and Geffroy, Dominique, 4,808,919, Cl. 324-158.00F.
- Geffroy, Jean: *See—*
  - Chaudon, Luc; Dobremelle, Michel; Fabre, Jean-Claude; and Geffroy, Jean, 4,834,916, Cl. 252-633.000.
- Gefitec S.A.: *See—*
  - Posso, Patrick P., 4,836,376, Cl. 206-45.230.
  - Posso, Patrick P. P., 4,863,222, Cl. 312-107.000.
- Gefroh, James A.; and Hattman, Fredric J., to RM Base Company. Accessible areaway system. 4,876,833, 10-31-89, Cl. 52-107.000.
- Gefvert, David L., to Sherex Chemical Company, Inc. Dioxime kinetic enhancer for solvent extraction of gallium from basic aqueous solutions thereof. 4,855,114, 8-8-89, Cl. 423-112.000.
- Gefvert, Herbert I. Sound reproduction system. 4,888,804, 12-19-89, Cl. 381-24.000.
- Gegere, Michael A., to Beckwith, John O.; and Gegere, Michael A. Rubber band powered gun. 4,807,585, 2-28-89, Cl. 124-21.000.
- Gegere, Michael A., to Beckwith, John O.; and Gegere, Michael A. Pellet-firing toy gatling gun. 4,834,058, 5-30-89, Cl. 124-29.000.
- Geheeb, Norbert: *See—*
  - Mayer, Ernst; Geheeb, Norbert; and Kohler, Uwe, 4,876,996, Cl. 123-90.510.
- Gehlhaus, Jurgen: *See—*
  - Kohler, Manfred; Ohngemach, Jorg; Wehner, Gregor; and Gehlhaus, Jurgen, 4,861,916, Cl. 568-337.000.
- Gehlke, Donald A.: *See—*
  - Steinman, Arnold J.; Yost, Michael G.; and Gehlke, Donald A., 4,809,127, Cl. 361-213.000.
- Gehman, Roland P.; and Martin, Raymond G., to MGS, Inc. Truck tractor fifth wheel-mounted lifting and towing unit. 4,838,753, 6-13-89, Cl. 414-563.000.
- Gehmann, Walter. Aiming device. 4,856,879, 8-15-89, Cl. 350-407.000.
- Geho, Keryn N.: *See—*
  - Jones, J. Philip E.; Salinas, Jorge E.; Geho, Keryn N.; Dunaway, Weyman H.; and Raythatha, Rasik H., 4,851,048, Cl. 106-446.000.
- Geho, W. Blair; and Lau, John R., to Technology Unlimited, Inc. Diabetic control by combined insulin forms. 4,863,896, 9-5-89, Cl. 514-4.000.
- Gehret, Jean-Claude; and Kristiansen, Odd, to Ciba-Geigy Corporation. Pesticidal compositions. 4,824,845, 4-25-89, Cl. 514-245.000.
- Gehret, Jean-Claude, to Ciba-Geigy Corporation. Insecticides and parasiticides. 4,855,317, 8-8-89, Cl. 514-450.000.
- Gehret, Jean-Claude: *See—*
  - Frei, Bruno; O'Sullivan, Anthony C.; and Gehret, Jean-Claude, 4,857,509, Cl. 514-30.000.
- Gehrig, Manfred: *See—*
  - Forster, Adrian; Geyer, Stefan; Schulmeyr, Josef; Schmidt, Roland; and Gehrig, Manfred, 4,842,878, Cl. 426-286.000.
- Gehring, Andrew A.; and Loomans, David, to Manco Corporation of West Bend. Suspended table. 4,815,396, 3-28-89, Cl. 108-149.000.
- Gehring, Andrew A., to Manco Corporation of West Bend. Suspended table. 4,862,764, 9-5-89, Cl. 74-606.00R.
- Gehring, Gerhard; and Hodlmayr, Franz, to Siemens Aktiengesellschaft. Oscillator/demodulator circuit for an inductive proximity switch. 4,806,882, 2-21-89, Cl. 331-65.000.
- Gehring, Johann; and Birkle, Siegfried, to Siemens Aktiengesellschaft. Method and means for drying bulk goods. 4,876,801, 10-31-89, Cl. 34-9.000.
- Gehring, Johann: *See—*
  - Birkle, Siegfried; and Gehring, Johann, 4,803,811, Cl. 51-7.000.
- Gehring, Manfred; and Pluss, Heinz, to NAGE AG. Clamping sleeve for pipes. 4,795,199, 1-3-89, Cl. 285-236.000.
- Gehring, Reinhold; Jensen-Korte, Uta; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., to Bayer Aktiengesellschaft. 1-aryl-4-cyano-5-halogenopyrazoles, composition containing them, and method of using them as selective herbicides. 4,804,398, 2-14-89, Cl. 71-92.000.
- Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert F.; and Lurssen, Klaus, to Bayer Aktiengesellschaft. 5-Fluoroacylamino-4-nitro-1-aryl-pyrazoles. 4,808,209, 2-28-89, Cl. 71-92.000.
- Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, to Bayer Aktiengesellschaft. Novel 1-aryl-4-nitro-pyrazole herbicides and plant growth regulators, compositions and use. 4,810,283, 3-7-89, Cl. 71-92.000.
- Gehring, Reinhold; Korte-Jensen, Uta; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. 1-Arylpyrazoles, pesticidal compositions and use. 4,863,937, 9-5-89, Cl. 514-333.000.
- Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, to Bayer Aktiengesellschaft. Herbicidal 1-arylpyrazoles, compositions and use. 4,877,439, 10-31-89, Cl. 71-86.000.

Gehring, Reinhold; Klauke, Erich; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., to Bayer Aktiengesellschaft. Substituted 5-amino-1-phenylpyrazoles. 4,882,437, 11-21-89, Cl. 548-362.000.

Gehring, Reinhold: *See—*
- Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,803,215, Cl. 514-407.000.
- Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, 4,804,675, Cl. 514-407.000.
- Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Stendel, Wilhelm; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,820,725, Cl. 514-407.000.
- Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,826,867, Cl. 514-407.000.
- Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., 4,806,144, Cl. 71-92.000.
- Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,812,165, Cl. 71-92.000.
- Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,799,951, Cl. 71-92.000.
- Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,814,001, Cl. 71-92.000.

Gehringer, Gerald B.: *See—*
- Hinkel, Walter W.; Lobb, Jolan F.; Wall, Gene D.; Forand, Roger J.; and Gehringer, Gerald B., 4,813,467, Cl. 152-454.000.

Gehris, James D.: *See—*
- Forys, Edward L.; and Gehris, James D., 4,833,351, Cl. 310-12.000.

Gehrke, Glenn F., to GKN Automotive Components, Inc. Axial retaining member and method for interconnecting male and female splined members. 4,813,808, 3-21-89, Cl. 403-326.000.

Gehrke, Glenn F.: *See—*
- Sutton, Noel W.; and Gehrke, Glenn F., 4,795,404, Cl. 464-111.000.

Gehrke, Lee, to Massachusetts Institute of Technology. Process for enhancing translational efficiency of eukaryotic mRNA. 4,820,639, 4-11-89, Cl. 435-68.000.

Gehrke, Russell P.: *See—*
- Raniere, Jean E.; Smith, Steven L.; Gehrke, Russell P.; and Johnson, Richard F., Jr., 4,803,102, Cl. 428-35.200.

Gehrt, Heinz H.; Hildebrandt, Gunter; and Rehfeldt, Karl-Heinz, to U.S. Philips Corp. Circuit arrangement for detecting whether a predetermined frequency swing is exceeded. 4,851,785, 7-25-89, Cl. 329-111.000.

Gehrt, Heinz H.; Hildebrandt, Gunter; and Rehfeldt, Karl-Heinz, to U.S. Philips Corporation. Multivibrator circuit having compensated delay time. 4,874,966, 10-17-89, Cl. 307-291.000.

Gehrung, Hartmut; Krastel, Hermann; and Kirchhuebel, Rainer, to Oculus Optikgeraete GmbH. Anomaloscope. 4,798,458, 1-17-89, Cl. 351-242.000.

Geib, Lawrence E.: *See—*
- Colleran, Stephen A.; and Geib, Lawrence E., 4,813,885, Cl. 439-565.000.

Geibel, Jon: *See—*
- Edmonds, James T., Jr.; Geibel, Jon; Bobsein, Rex L.; and Straw, Jim J., 4,808,694, Cl. 528-125.000.

Geibel, Jon F.; Gaughan, Roger G.; and Cliffton, Michael D., to Phillips Petroleum Company. Poly(arylene sulfide ketone) composites. 4,814,224, 3-21-89, Cl. 428-252.000.

Geibel, Jon F.; and Senatore, Guy, to Phillips Petroleum Company. Arylene sulfide polymers. 4,820,800, 4-11-89, Cl. 528-388.000.

Geibel, Jon F.; and Nesheiwat, Afif, to Phillips Petroleum Company. Buffer wash of polyarylene sulfides. 4,877,850, 10-31-89, Cl. 525-471.000.

Geibel, Jon F.: *See—*
- Cliffton, Michael D.; and Geibel, Jon F., 4,812,552, Cl. 528-226.000.

Geick, Kenneth S.: *See—*
- Bose, Ajit K.; Strater, Kurt F.; and Geick, Kenneth S., 4,842,803, Cl. 264-565.000.

Geidel, Helmut; and Rohra, Alois, to Motoren- und Turbinen-Union Munchen GmbH. Propfan turbine engine. 4,887,424, 12-19-89, Cl. 60-39.080.

Geier, George E., to Indianapolis Center for Advanced Research, Inc. Chemolytic EDTA-citric acid composition for dissolution of calculi. 4,845,125, 7-4-89, Cl. 514-561.000.

Geier, Michael: *See—*
- Koch, Jochim; Geier, Michael; and Franz, Wolfgang, 4,846,783, Cl. 600-22.000.

Geiger, Diethard: *See—*
- Eisermann, Armin; and Geiger, Diethard, 4,817,404, Cl. 70-134.000.

Geiger, Dietrich: *See—*
- Jaissle, Hans-Ulrich; Hofmann, Manfred; and Geiger, Dietrich, 4,817,268, Cl. 29-568.000.

Geiger, Emery A. Floating rock island fountains. 4,819,874, 4-11-89, Cl. 239-23.000.

Geiger, Erich, to Deutsche Thomson-Brandt GmbH. Compact-disk changer. 4,807,208, 2-21-89, Cl. 369-39.000.

Geiger, Erich; Guillon, Jean C.; and Rufray, Jean C., to Deutsche Thomson-Brandt GmbH. Method and apparatus for reducing visibility of scanning lines in television picture. 4,868,656, 9-19-89, Cl. 358-140.000.

Geiger, Gerhard; and Strafner, Michael, to Siemens Aktiengesellschaft. Method for bus access for data transmission through a multiprocessor bus. 4,827,471, 5-2-89, Cl. 370-85.000.

Geiger, Margaret W.: *See—*
- Wilczak, Wojciech A.; and Geiger, Margaret W., 4,845,011, Cl. 430-281.000.

Geiger, Martin: *See—*
- Michel, Petra; and Geiger, Martin, 4,884,115, Cl. 357-42.000.

Geiger, Robert, Jr.: *See—*
- Yanusko, David P.; and Geiger, Robert, Jr., 4,881,447, Cl. 89-34.000.

Geiger, Robert E., to Ingersoll-Rand Company. Wire tying mechanism. 4,865,087, 9-12-89, Cl. 140-119.000.

Geiger, Rolf; Teetz, Volker; Langner, Dietrich; Urbach, Hansjorg; and Henning, Rainer, to Hoechst Aktiengesellschaft. Optically active bicyclic imino-alpha-carboxylic esters. 4,822,894, 4-18-89, Cl. 548-252.000.

Geiger, Rolf: *See—*
- Teetz, Volker; Geiger, Rolf; Urbach, Hansjorg; Becker, Reinhard; and Scholkens, Bernward, 4,879,403, Cl. 560-38.000.

Geiger, Wolfgang: *See—*
- Fehlmann, Wolfgang; and Geiger, Wolfgang, 4,869,218, Cl. 123-357.000.
- Habermann, Wolfgang; Engelhardt, Hubert; Geiger, Wolfgang; Mayer, Udo; Hammes, Peter; and Simmler, Werner, 4,828,718, Cl. 210-763.000.

Geil, Frederick G.; Gruen, Henry M.; Newman, Howard S.; Ratz, Thomas J.; Rowe, Linwood M., Jr.; and Thompson, John H., to Westinghouse Electric Corp. Sonar apparatus. 4,833,659, 5-23-89, Cl. 367-155.000.

Geil, Gerald L.: *See—*
- Alenskis, Brian A.; Geil, Gerald L.; Gill, Dee R.; and Moloney, Brian N., 4,867,834, Cl. 156-433.000.

Geil, James A.: *See—*
- Schneider, James G.; and Geil, James A., 4,869,725, Cl. 604-408.000.

Geile, Michael; Dapper, Mark; and Hill, Terrance, to Cincinnati Electronics Corporation. Phase lock loop and improved phase detector therefor. 4,879,527, 11-7-89, Cl. 331-1.00A.

Geiler, Volkmar: *See—*
- Ross, Ludwig; and Geiler, Volkmar, 4,814,299, Cl. 501-78.000.

Geilhaupt, Manfred: *See—*
- Bievert, Klaus; Bruder, Wolfgang; Geilhaupt, Manfred; Kupper, Gerd; and Zabinski, Siegfried, 4,871,155, Cl. 269-289.00R.

Geiling, Wolfgang; and Wossner, Felix, to Fichtel & Sachs AG. Double-tube vibration damper. 4,821,850, 4-18-89, Cl. 188-315.000.

Geim, Karl: *See—*
- Waitl, Guenther; Geim, Karl; Althaus, Hans-Ludwig; and Klos, Waltraud, 4,810,277, Cl. 65-4.210.

Geimuplast Peter Mundt GmbH. & Co. KG: *See—*
- Stemmer, Gottfried, Jr., 4,848,576, Cl. 206-456.000.

Geis, Mark: *See—*
- McKiernan, Edward F.; Sigler, James; Sprang, Richard; Lewellen, Richard; and Geis, Mark, 4,854,827, Cl. 417-313.000.

Geis, Mark W.: *See—*
- Hehn, Bruce A.; Weisburn, James T.; Lewellen, Richard R.; and Geis, Mark W., 4,871,064, Cl. 206-387.000.

Geis, Michael W.: *See—*
- Tsaur, Bor-Yeu; Fan, John C. C.; and Geis, Michael W., 4,853,076, Cl. 156-603.000.

Geis, Timothy R., to Mead Corporation, The. Method for reducing short time-scale reciprocity failure effects of a microencapsulated acrylate system. 4,804,611, 2-14-89, Cl. 430-138.000.

Geise, John; and Niese, Lynn. Apparatus and method for supporting articles. 4,880,194, 11-14-89, Cl. 248-166.000.

Geise, Sameul C., to Specialty Tool Company. Cutting tool and system. 4,819,526, 4-11-89, Cl. 82-113.000.

Geisel, Manfred: *See—*
- Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., 4,838,943, Cl. 106-400.000.
- Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., 4,866,113, Cl. 524-87.000.

Geiselman, Theodore S.; and Rasmussen, James, to Fisher Scientific Company. Fluid handling. 4,844,872, 7-4-89, Cl. 422-100.000.

Geiselman, Theodore S.: *See—*
- Qureshi, Humayun; Liffmann, Stanley M.; Webster, Milo E.; and Geiselman, Theodore S., 4,859,422, Cl. 422-81.000.
- Rasmussen, James; and Geiselman, Theodore S., 4,844,870, Cl. 422-68.000.

Geisenhof, Heinz: *See—*
- Wulf, Gunter; and Geisenhof, Heinz, 4,837,945, Cl. 34-77.000.

Geiser, Friedrich, to Siegfried Schertler. Valve slide with slide housing. 4,809,950, 3-7-89, Cl. 251-328.000.

Geiser, Friedrich, to Schertler, Siegried. Vacuum chamber. 4,881,717, 11-21-89, Cl. 251-144.000.

Geiser, Markus; and Juillerat, Pierre, to Sameca SA. Guide-bar device for a single spindle lathe. 4,889,024, 12-26-89, Cl. 82-127.000.

Geiser, Peter, to Grapha-Holding AG. Apparatus for manipulating sheet-like commodities in gathering machines. 4,836,528, 6-6-89, Cl. 271-263.000.

Geiser, Timothy G.: *See—*
- Bridgham, John; Geiser, Timothy G.; Hunkapiller, Michael W.; Kent, Stephen B. H.; Marriott, Mark P.; Ramstad, Paul O.; and Nordman, Eric S., 4,816,513, Cl. 525-54.110.

Geisinger, Penrod C., to Vaporless Manufacturing, Inc. Gas evacuation apparatus for underground liquid storage tanks and method. 4,872,490, 10-10-89, Cl. 141-7.000.

Geisinger, William R.: *See—*
- Bruhl, J. D.; and Geisinger, William R., 4,873,863, Cl. 73-49.200.

Geisler, C. Daniel; and Chan, Chi-Kong J., to Nicolet Instrument Corporation. Method and apparatus for real ear measurements. 4,809,708, 3-7-89, Cl. 128-746.000.

Geisler, Edda; Feuerstein, Helmut; and Lange, Hans, to Boehringer Mannheim GmbH. Stabilized composition of tetrazolium salts. 4,847,196, 7-11-89, Cl. 435-26.000.

Geisler, Herbert A., Jr. Solar generator. 4,830,677, 5-16-89, Cl. 136-248.000.

Geisler, Reinhardt, to Licentia Patent-Verwaltungs-GmbH. Interference magnetic field compensation method which includes supplying a current to a coil to compensate the field. 4,823,081, 4-18-89, Cl. 324-225.000.

Geisler, Richard J.; Scott, Gary M.; and Telford, Thomas M. Cover for pickup truck bed. 4,824,162, 4-25-89, Cl. 296-100.000.

Geisler, Robert A.: *See—*
- Lakshmanan, Vaikuntain I.; Meinbardis, Dzinsars; and Geisler, Robert A., 4,798,709, Cl. 423-63.000.

Geisler, Ron D.: *See—*
- Sniegowski, John C.; Govekar, Craig F.; Thibedeau, Dennis G.; and Geisler, Ron D., 4,847,563, Cl. 324-402.000.

Geiss, Alan C.; and Flanagan, Eugene L. Device for aspirating fluids from a body cavity or hollow organ. 4,834,724, 5-30-89, Cl. 604-280.000.

Geissberger, Arthur E.; and Claytor, Philippe R., to ITT Gallium Arsenide Technology Center, a division of ITT Corporation. Process for manufacturing gallium arsenide monolithic microwave integrated circuits using nonphotosensitive acid resist for handling. 4,832,761, 5-23-89, Cl. 148-33.300.

Geissberger, Arthur E.: *See—*
- Balzan, Matthew L.; Geissberger, Arthur E.; and Sadler, Robert A., 4,847,212, Cl. 437-41.000.
- Balzan, Matthew L.; Geissberger, Arthur E.; and Sadler, Robert A., 4,849,376, Cl. 437-228.000.

Geisselbrecht, Georg: *See—*
- Franetzki, Manfred; Geisselbrecht, Georg; Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,883,467, Cl. 604-152.000.

Geisseler, Max, to Sulzer Brothers Limited. Process for producing a weld-built member. 4,798,930, 1-17-89, Cl. 219-76.120.

Geissler, Friedrich; Zwack, Eduard; and Heitmann, Juergen, to Siemens Aktiengesellschaft. Circuit arrangement for generating a clock signal which is synchronous in respect of frequency to a reference frequency. 4,835,481, 5-30-89, Cl. 328-155.000.

Geist, Jill M.; Messner, Scott C.; and Schapira, Thomas G., to Abbott Laboratories. Ion-selective electrode having a non-metal sensing element. 4,889,612, 12-26-89, Cl. 204-416.000.

Geist, Michael; Ott, Gunther; Schon, Georg; Dobbelstein, Arnold; and Batzill, Wolfgang, to BASF Lacke & Farben Aktiengesellschaft. Process for multicoat cathodic wet-on-wet painting of metallic conductive substrates. 4,818,356, 4-4-89, Cl. 204-181.100.

Geist, Michael: *See—*
- Dobbelstein, Arnold; Geist, Michael; Ott, Gunther; and Schon, Georg, 4,824,927, Cl. 528-88.000.
- Dobbelstein, Arnold; Geist, Michael; Ott, Gunther; and Schon, Georg, 4,830,722, Cl. 204-181.700.

Geiste, Douglas W.; and Andrew, James C. Video cassette recorder protector and organizer. 4,854,651, 8-8-89, Cl. 312-9.000.

Geisthoff, Hubert, to Jean Walterscheid GmbH. Double hookes joint. 4,799,817, 1-24-89, Cl. 403-57.000.

Geisthoff, Hubert, to Jean Walterscheid GmbH. Overload coupling for protecting drive trains especially on agricultural machines. 4,802,326, 2-7-89, Cl. 56-10.300

Geiszler, Theodore D.: *See—*
- Mongeon, Ronald W.; Sidlauskas, David P.; and Geiszler, Theodore D., 4,818,855, Cl. 235-440.000.

Geither, John: *See—*
- Stojkov, Mark; Flanagan, Patrick M.; Hrdlicka, Victor; Geither, John; and Everett, Dennis, 4,872,190, Cl. 378-75.000.

Geittner, Peter E.: *See—*
- Bachmann, Peter K.; Geittner, Peter E.; Lydtin, Hans-Jurgen; and Romanowski, Gerd, 4,885,018, Cl. 65-3.110.

Geittner, Peter E. E.; Lydtin, Hans-Jurgen; and Wilson, Howard J. C., to U.S. Philips Corp. Method of manufacturing optical fibers. 4,857,091, 8-15-89, Cl. 65-3.120.

Geittner, Peter E. E.: *See—*
- Bachmann, Peter K.; Geittner, Peter E. E.; Leers, Dieter; and Wilson, Howard J. C., 4,802,733, Cl. 350-96.340.

Geiver, S.A.: *See—*
- Martorell, D. Aurelio T., 4,873,820, Cl. 56-340.100.

Geka, Toshiaki: *See—*
- Mottate, Tatsuo; and Geka, Toshiaki, 4,854,741, Cl. 384-45.000.

Geke, Juergen; and Rutzen, Horst, to Henkel Kommanditgesellschaft auf Aktien. Cationic surfactants based on quaternary ammonium compounds and use thereof in cleaning agents. 4,814,108, 3-21-89, Cl. 252-545.000.

Geke, Juergen; and Zange, Bernhard, to Henkel Kommanditgesellschaft auf Aktien. Aqueous compositions for visual inspection and cleaning of metallic surfaces. 4,820,344, 4-11-89, Cl. 106-14.130.

Gekkeikan Sake Company, Ltd.: *See—*
- Kakimoto, Shigeya; Sumino, Yasuhiro; Yamada, Hideaki; Imayasu, Satoshi; Ichikawa, Eiji; and Suizu, Tetsuyoshi, 4,844,911, Cl. 426-11.000.

Gelabert, Antonio: *See—*
- Wilhelm, Didier; Gelabert, Antonio; and Blanc, Alain, 4,854,934, Cl. 8-185.000.

Geladri, John: *See—*
- Gelardi, Anthony L.; Geladri, John; Landry, Vincent E.; Pruneau, Diane C.; and Lowry, Alan B., 4,800,641, Cl. 29-436.000.

Gelain, Silvano; and Dinkel, Bernhard, to Ransburg-Gema AG. Powder coating booth. 4,851,261, 7-25-89, Cl. 427-195.000.

Gelain, Silvano, to Ransburg-Gema AG. Powder coating apparatus. 4,886,011, 12-12-89, Cl. 118-308.000.

Gelardi, Anthony; Lowry, Alan; and Lovecky, Craig, to Shape Inc. Recording media storage apparatus. 4,875,743, 10-24-89, Cl. 312-13.000.

Gelardi, Anthony L.; Geladri, John; Landry, Vincent E.; Pruneau, Diane C.; and Lowry, Alan B., to Shape Inc. Methods for manufacturing a tape cassette with separate tape guide having integrated rollers. 4,800,641, 1-31-89, Cl. 29-436.000.

Gelardi, Anthony L.: *See—*
- Gelardi, Paul J.; Gelardi, Anthony L.; Lowry, Alan B.; Lovecky, Craig S.; and Farr, Richard H., 4,850,477, Cl. 206-45.190.

Gelardi, Paul J.; Gelardi, Anthony L.; Lowry, Alan B.; Lovecky, Craig S.; and Farr, Richard H., to Shape Inc. Combination display package and flip file holder for compact discs. 4,850,477, 7-25-89, Cl. 206-45.190.

Gelatt, Sharon G. Blow dryer holder. 4,874,142, 10-17-89, Cl. 248-185.000.

Gelb, Allan S.; Townsend, Peter B.; and Purdy, Erika. Thermoelectric heat pump. 4,855,810, 8-8-89, Cl. 357-87.000.

Gelb, Jack, Jr., to University of Delaware. Live attenuated temperature-sensitive avian infectious bronchitis virus vaccines and preparation and use thereof. 4,867,975, 9-19-89, Cl. 424-89.000.

Gelbaum, Leslie: *See—*
- Haugwitz, Rudiger D.; Naratanan, Venkatachala; Zalkow, Leon H.; Deutsch, Howard M.; and Gelbaum, Leslie, 4,803,202, Cl. 514-228.200.

Gelbien, Mark J.: *See—*
- DiMassimo, Virgil; and Gelbien, Mark J., 4,805,626, Cl. 128-653.000.

Gelbwachs, Jerry A., to Aerospace Corporation, The. Low solar background, high sensitivity active atomic resonance filter for underwater laser communications. 4,829,597, 5-9-89, Cl. 455-617.000.

Gelchinsky, Boris. Method of analyzing the structure of a medium, particularly useful for seismic prospecting. 4,878,205, 10-31-89, Cl. 367-61.000.

Gelderie, Udo: *See—*
- Raedisch, Helmer; Holzer, Gerhard; Gelderie, Udo; and Breuer, Kornelia, 4,826,914, Cl. 524-731.000.

Geldwerth, Simon, to Do-All Jewelry Mfg. Co., Inc. Streamlined unobtrusive jewelry clasp, members forming same and blank. 4,813,108, 3-21-89, Cl. 24-616.000.

Geldwerth, Simon, to Do-All Jewelry Mfg. Co., Inc. Reinforced jewelry clasp. 4,833,761, 5-30-89, Cl. 24-616.000.

Gelenkwellenbau GmbH: *See—*
- Ende, Eberhard, 4,795,401, Cl. 464-14.000.
- Ende, Eberhard, 4,880,405, Cl. 464-14.000.
- Schultze, Hans-Jurgen; Faulbecker, Gerd; and Gille, Wilfried, 4,834,691, Cl. 464-131.000.

Gelernter, Boaz; and Joe, Dick M., to United States of America, Army. Antenna performance evaluation method and apparatus. 4,811,023, 3-7-89, Cl. 343-703.000.

Geleziunas, Rimas J. Water sensing apparatus. 4,804,947, 2-14-89, Cl. 340-620.000.

Geleziunas, Rimas J. Dispenser for roll of material. 4,832,271, 5-23-89, Cl. 242-55.530.

Geleziunas, Rimas J. Dispenser for a roll of sheet material. 4,844,310, 7-4-89, Cl. 225-43.000.

Gelfand, David H.; Greenfield, Lawrence I.; and Lawyer, Frances C., to Cetus Corporation. Recombinant diphtheria toxin fragments. 4,830,962, 5-16-89, Cl. 435-68.000.

Gelfand, David H.; Lawyer, Frances C.; and Stoffel, Susanne, to Cetus Corporation. SV40 early and RSV promoters useful in saccharomyces expression. 4,870,013, 9-26-89, Cl. 435-68.000.

Gelfand, David H.; Stoffel, Susanne; Lawyer, Frances C.; and Saiki, Randall K., to Cetus Corporation. Purified thermostable enzyme. 4,889,818, 12-26-89, Cl. 435-194.000.

Gelfand, Mikhail L.: *See—*
- Antipov, Georgy A.; Gelfand, Mikhail L.; Goldshtein, Boris G.; Korniliev, Gennady A.; Lavnikov, Nikolai S.; Tsipenjuk, Yakov I.; and Yakubovsky, Petr S., 4,811,797, Cl. 173-93.600.

Gelfer, George G.: *See—*
- Sansone, Ronald P.; Gelfer, George G.; Taylor, Michael P.; and Axelrod, Barry H., 4,837,701, Cl. 364-464.030.

Gelfman, Stanley. Cable reel. 4,796,830, 1-10-89, Cl. 242-117.000.

Gelfman, Stanley. Cable reel. 4,880,182, 11-14-89, Cl. 242-117.000.

Gelinas, Rene: *See—*
- Mercier, Gilles; Gelinas, Rene; Mercier, Jacques; and Mercier, Paul, 4,848,425, Cl. 144-34.00R.

Gelinas, Richard E.: *See—*
- Henikoff, Steven; and Gelinas, Richard E., 4,843,003, Cl. 435-91.000.
- Henikoff, Steven; and Gelinas, Richard E., 4,889,799, Cl. 435-6.000.

Gelinas, Robert C., Jr. Apparatus for retaining a ball. 4,877,166, 10-31-89, Cl. 224-223.000.

Gelinas, William A.; Holtz, Edwin R.; Argazzi, Dennis J.; Smigel, Robert L.; and Wiley, Dan W., to Loctite Corporation. Bonding apparatus with electromagnetic wave generator. 4,804,435, 2-14-89, Cl. 156-379.600.

Gelinas, Yvon. Ceiling rack. 4,840,278, 6-20-89, Cl. 211-18.000.

Gelineau, Claude: *See—*

Gagnon, Claude; Gelineau, Claude; Raymond, Pierre; Krzelowski, Zygmunt P.; and Galletly, George, 4,886,940, Cl. 174-88.00B.

Gelineau, Jean M., to Compagnie Europeene pour l'Equipement Manager/CEPEM. Cooking oven with self cleaning pyrolysis system. 4,831,237, 5-16-89, Cl. 219-398.000.

Gell, Harold A., Jr., to Sea Fathoms Industries. Method and apparatus for extending the depth range of underwater equipment. 4,853,722, 8-1-89, Cl. 354-64.000.

Gellenthin, Carl O., Jr., to On The Spot America Inc. Self-attaching panel connector for tubing/hoses. 4,864,684, 9-12-89, Cl. 16-2.000.

Geller, Douglas A.; Schneider, Stephen E.; and Holbrook, William C., to Kransco Manufacturing, Inc. Retractable water board fin. 4,805,546, 2-21-89, Cl. 114-132.000.

Geller, Herbert. Muscle-power-driven vehicle. 4,796,907, 1-10-89, Cl. 280-220.000.

Geller, Marius, to BBC Brown Boveri AG. Gas-cooled electric machine. 4,876,470, 10-24-89, Cl. 310-59.000.

Gellerman, Floyd R. Flight simulation control apparatus. 4,887,966, 12-19-89, Cl. 434-45.000.

Gellerstedt, Nils; and Johansson, Siv, to Aktiebolaget Bofors. Flare charge insulation, a method of its manufacture and a flare charge manufactured according thereto. 4,833,992, 5-30-89, Cl. 102-337.000.

Gellert, Jobst U. Coated injection molding nozzle. 4,795,337, 1-3-89, Cl. 425-549.000

Gellert, Jobst U. Mounting for injection molding nozzle. 4,795,338, 1-3-89, Cl. 425-549.000.

Gellert, Jobst U.; and Schmidt, Harald H., to Mold-Masters Limited. Injection molding system having manifold with side mounted nozzles. 4,810,184, 3-7-89, Cl. 425-548.000.

Gellert, Jobst U. Injection molding elongated probe having integral heating element and locating means. 4,820,147, 4-11-89, Cl. 425-549.000.

Gellert, Jobst U. Injection molding valve gating one of two nozzles in tandem. 4,836,766, 6-6-89, Cl. 425-549.000.

Gellert, Jobst U. Method of manufacture of an electrical terminal on an injection molding nozzle. 4,837,925, 6-13-89, Cl. 29-619.000.

Gellert, Jobst U. Injection molding system with insertable insulating ring. 4,854,851, 8-8-89, Cl. 425-549.000.

Gellert, Jobst U. Injection molding nozzle having multiple thickness heating element. 4,865,535, 9-12-89, Cl. 425-549.000.

Gellert, Jobst U. Injection molding heated gate insert and method. 4,875,848, 10-24-89, Cl. 425-549.000.

Gelles, Richard; Willis, Carl L.; and Modic, Michael J., to Shell Oil Company. High impact resistant blends of thermoplastic polyesters and modified block copolymers. 4,868,243, 9-19-89, Cl. 525-64.000.

Gelles, Richard: *See—*

Lutz, Robert G.; Gelles, Richard; and Gergen, William P., 4,795,782, Cl. 525-66.000.

Modic, Michael J.; and Gelles, Richard, 4,859,737, Cl. 525-64.000.

Gellman, Gary; Erfurt, George A.; and Roe, James E., to Nabisco Brands, Inc. Canine biscuit containing discrete particles of meat and other materials and method for making same. 4,800,099, 1-24-89, Cl. 426-641.000.

Gelly, Jean F.: *See—*

Maerfeld, Charles; and Gelly, Jean F., 4,870,972, Cl. 128-662.030.

Gelman, Gideon. Reading assistance device for word processor. 4,875,179, 10-17-89, Cl. 364-708.000.

Gelman, Mark, to Textron Inc. Circular saw blade. 4,813,325, 3-21-89, Cl. 83-844.000.

Gelman Sciences, Inc.: *See—*

Pemawansa, Kariyawasam P. W.; Heisler, Mark; and Kraus, Menahem, 4,824,870, Cl. 521-53.000.

Gelorme, Jeffrey D.; Cox, Robert J.; and Gutierrez, Sergio A. R., to International Business Machines Corporation. Photoresist composition and printed circuit boards and packages made therewith. 4,882,245, 11-21-89, Cl. 430-14.000.

Gelormini, Frank T.: *See—*

Ebersole, Richard C.; Forsythe, Jesse G., Jr.; and Gelormini, Frank T., 4,806,313, Cl. 422-61.000.

Gelsdorf, Gunter: *See—*

Hlawatschek, Hartmut; Gelsdorf, Gunter; Bohm, Kurt; and Schubert, Manfred, 4,829,538, Cl. 373-72.000.

Gelsomini, Lawrence J.; and Mueller, William R., to Monsanto Company. Method for continuous injection molding. 4,828,778, 5-9-89, Cl. 264-167.000.

Geluk, Ronald J., to B.V. Optische Industrie "De Oude Delft". Apparatus and method for slit radiography with different x-ray energies. 4,856,040, 8-8-89, Cl. 378-146.000.

Gelula, Jerome D. Coupling system with cable. 4,803,760, 2-14-89, Cl. 24-631.000.

Gelvin, David C., to Brooktree Corporation. Clock synchronization system. 4,868,548, 9-19-89, Cl. 340-709.000.

Gely, Jean-Marie L., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Air take-off for a turbojet engine cold flow duct. 4,815,281, 3-28-89, Cl. 60-226.100.

Gembarowski, Mark L., to Hewlett-Packard Company. Recovery system for queued data transfer synch. loss utilizing error flag and status memories. 4,811,283, 3-7-89, Cl. 364-900.000.

Gembicki, Visnja A.: *See—*

Zmich, Joseph; Russ, Michael B.; and Gembicki, Visnja A., 4,795,846, Cl. 585-417.000.

Gemcor Engineering Corp.: *See—*

Davern, John W.; and Mazurik, Frank T., 4,819,856, Cl. 227-119.000.

Roberts, Bradley M.; and Kellner, Robert J., 4,864,713, Cl. 29-524.100.

Speller, Thomas H., Sr.; and Weaver, Jeffrey P., 4,821,408, Cl. 29-701.000.

Speller, Thomas H., Sr., 4,858,289, Cl. 29-34.00B.

Speller, Thomas H., Sr.; Davern, John W.; Weaver, Jeffrey P.; and Andrews, Mark J., 4,864,702, Cl. 29-34.00B.

Gemeinhardt, Hermann, to Akzo N.V. Method for the manufacture of apparatus for the transfer of heat and/or mass. 4,834,930, 5-30-89, Cl. 264-248.000.

Gemeinhardt, Hermann, to Akzo N.V. Heat exchanger and method of making heat exchangers. 4,867,233, 9-19-89, Cl. 165-173.000.

Gemgnani, Gregory, to Mobil Oil Corporation. Thermoplastic films for soil treatment. 4,819,374, 4-11-89, Cl. 47-58.000.

Gemignani, Andre; Boulogne, Serge J.; and Schaumburg, Gerald, to Societe d'Exploitation de Brevets pour l Industrie et la Marine. Fluid control valve. 4,802,505, 2-7-89, Cl. 137-492.000.

Gemignani, Andre, to Societe d'Exploitation de Brevets pour l'Industrie et la Marine Sebim. Pilot-control safety valve. 4,872,639, 10-10-89, Cl. 251-61.400.

Gemini Research, Inc.: *See—*

Pichel, Marlowe A.; McDiarmid, James; Pfefferkorn, Glenn A.; and Cory, Roger P., 4,823,735, Cl. 118-730.000.

Gemma, Antoine, to Electricite De France (Service National). Apparatus for survey and/or treatment of a smooth, curved surface. 4,883,576, 11-28-89, Cl. 204-224.00M.

Gemma, Hideaki: *See—*

Hino, Yusuke; Horimoto, Tohru; Gemma, Hideaki; Iwata, Toshiharu; and Yamada, Kimitoshi, 4,879,550, Cl. 340-825.050.

Uchida, Noriaki; and Gemma, Hideaki, 4,860,247, Cl. 364-900.000.

Gemma, Mario: *See—*

Rossi, Guglielmo; Gemma, Mario; and Bosing, Hans, 4,821,626, Cl. 92-48.000.

Gemma, Nobuhiro; Miura, Akira; Mizushima, Koichi; Azuma, Makoto; and Mori, Yasushi, to Kabushiki Kaisha Toshiba. Organic thin film display element. 4,871,236, 10-3-89, Cl. 350-355.000.

Gemma, Nobuhiro: *See—*

Miura, Akira; Gemma, Nobuhiro; Mizushima, Koichi; Azuma, Makoto; and Iwakiri, Takano, 4,819,210, Cl. 365-106.000.

Gemma, Takashi: *See—*

Yokokura, Takashi; Gemma, Takashi; and Satoh, Takuji, 4,812,042, Cl. 356-348.000.

Yokokura, Takashi; Gemma, Takashi; and Takuji, Satoh, 4,848,907, Cl. 356-347.000.

Gemmell, Peter A.: *See—*

Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., 4,824,217, Cl. 350-350.500.

Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; and Young, Daniel J. S., 4,852,977, Cl. 350-350.00S.

Gemmell, Stephen G.: *See—*

Abegg, Frank, III; and Gemmell, Stephen G., 4,881,184, Cl. 364-551.010.

Gempeler, Hans: *See—*

Hofer, Arnold; and Gempeler, Hans, 4,885,354, Cl. 528-94.000.

Gen, Shokyu: *See—*

Ikada, Yoshito; Gen, Shokyu; Kawai, Tatsuya; and Matsuda, Takashi, 4,844,067, Cl. 128-335.500.

Ikada, Yoshito; Gen, Shokyu; Ohi, Shigeo; Urabe, Yosai; and Kawashima, Hiroyuki, 4,882,162, Cl. 424-444.000.

Gen, Tamar G.; and Cydzik, Edward A., to Raychem Corporation. Soldering methods and devices. 4,809,901, 3-7-89, Cl. 228-56.300.

Genaro, Donald M.: *See—*

Conner, James M.; Harden, Daniel K.; and Genaro, Donald M., 4,795,422, Cl. 604-14.000.

Genba, Tsuneo; Yoshinaka, Junichi; and Nakanishi, Shingo, to Kuraray Company Limited. Water-absorbing shrinkable yarn. 4,809,493, 3-7-89, Cl. 57-238.000.

Genba, Yasusi: *See—*

Fujii, Hiroshi; Iio, Tsukasa; Genba, Yasusi; Moriwaki, Hideaki; and Mochizuki, Yoshinori, 4,882,556, Cl. 335-8.000.

Iio, Tsukasa; Mochizuki, Yoshinori; Fujii, Hiroshi; Genba, Yasusi; and Moriwaki, Hideaki, 4,799,037, Cl. 335-46.000.

Iio, Tsukasa; Mochizuki, Yoshinori; Genba, Yasusi; Fujii, Hiroshi; and Moriwaki, Hideaki, 4,808,953, Cl. 335-42.000.

Genbauffe, Francis S., to Robertshaw Controls Company. Fuel control device, fuel control system using the device and method of making the device. 4,813,596, 3-21-89, Cl. 236-15.00A.

Genbauffe, Francis S., to Robertshaw Controls Company. Fuel control device, fuel control system using the device and method of making the device. 4,862,917, 9-5-89, Cl. 137-599.200.

GenCorp Inc.: *See—*

Carper, Robert L.; and Goewey, James R., 4,822,671, Cl. 428-33.000.

Castro, Jose' M.; Straus, Elliott J.; and Shanoski, Henry, 4,808,361, Cl. 264-255.000.

Deane, Donald L., 4,817,909, Cl. 248-610.000.

Erickson, David E., 4,806,610, Cl. 527-201.000.

Erickson, David E.; and Reed, Thomas F., 4,812,550, Cl. 527-201.000.

Erickson, David E.; and Sharma, Satish C., 4,855,338, Cl. 523-335.000.

Hein, Richard D., 4,854,766, Cl. 403-224.000.

Lenke, Gerd M.; Fabris, Hubert J.; and Melby, Earl G., 4,868,231, Cl. 523-512.000.

Melby, Earl G.; and Cocain, H. William, 4,876,308, Cl. 524-780.000.

Morris, Stephen M., 4,864,659, Cl. 2-161.00A.

Schmeing, Walter A.; and White, Woodrow W., 4,808,660, Cl. 524-812.000.

Simmons, Robert W.; Stamper, Richard W.; and Kaufman, Thomas P., 4,885,887, Cl. 52-410.000.

Stamper, Richard W.; and Hultz, Robert C., 4,827,686, Cl. 52-408.000.

Watt, Keith A.; and Bachman, William E., 4,808,458, Cl. 428-90.000.

Gendai, Kazuhiko: *See—*

Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,808,567, Cl. 503-220.000.

Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,835,291, Cl. 549-304.000.

Gender, Steven E.: *See—*

Coffman, Anthony; and Gender, Steven E., 4,834,389, Cl. 273-252.000.

Gendex Corporation: *See—*

Chattin, Robert A., 4,831,642, Cl. 378-108.000.

Chattin, Robert A., 4,851,983, Cl. 363-136.000.

Chattin, Robert A., 4,868,462, Cl. 315-277.000.

Gendey, Yves: *See—*

Zellweger, Conrad; and Gendey, Yves, 4,859,174, Cl. 431-255.000.

Gendreau, Francois: *See—*

Maures, Michel; Bonnabaud, Thierry; and Gendreau, Francois, 4,826,637, Cl. 264-3.400.

Gendron, Robert F.; Stacy, E. Webb, Jr.; and Ionescu, Tudor V., to Softron, Inc. Computer based workstation for development of graphic representation of computer programs. 4,860,204, 8-22-89, Cl. 364-300.000.

Gene Labs, Inc.: *See—*

Lifson, Jeffrey D.; McGrath, Michael S.; Yeung, Hin-Wing, and Hwang, Kou M., 4,795,739, Cl. 514-8.000.

Gene Link Australia Limited: *See—*

Staples, Linton D.; Norman, Robert I.; Davey, Robert B.; Hastings, Catherine; Kidd, Jennifer; and Rachmat, Jatni, 4,882,137, Cl. 424-423.000.

Gene-Trak Systems: *See—*

Richards, James C.; and Bach, David T., 4,847,193, Cl. 435-6.000.

Geneczko, Jeannie M., to Northrop Corporation. Two-stage rotational positioning chuck for successive mask layer registration of odd-shaped, odd-sized wafers. 4,846,452, 7-11-89, Cl. 269-21.000.

Genedyne Corp.: *See—*

Abrahams, Sidney, 4,803,391, Cl. 310-178.000.

Genelabs Incorporated: *See—*

Hewett, Gary E., 4,851,210, Cl. 424-11.000.

Lifson, Jeffrey D.; McGrath, Michael S.; Yeung, Hin-Wing; and Hwang, Kuo, 4,869,905, Cl. 424-195.100.

Genencor, Inc.: *See—*

Silver, Scott C., 4,795,101, Cl. 241-12.000.

Genentech, Inc.: *See—*

Berman, Phillip W.; and Lasky, Laurence A., 4,855,224, Cl. 435-5.000.

Cabilly, Shmuel; Heyneker, Herbert L.; Holmes, William E.; Riggs, Arthur D.; and Wetzel, Ronald B., 4,816,567, Cl. 530-387.000.

de Boer, Herman A.; Heynerer, Herbert L.; and Seeburg, Peter H., 4,880,910, Cl. 530-350.000.

Derynck, Rik M. A.; and Goeddel, David V., 4,886,747, Cl. 435-69.400.

Dull, Thomas J.; Riedel, Heimo; and Ullrich, Axel, 4,859,609, Cl. 436-501.000.

Goeddel, David V., and Pestka, Sidney, 4,801,685, Cl. 530-351.000.

Goeddel, David V.; and Pestka, Sidney, 4,810,645, Cl. 435-68.000.

Goeddel, David V.; Kohr, William J.; Pennica, Diane; and Vehar, Gordon A., 4,853,330, Cl. 435-226.000.

Gray, Gregory L.; and Heyneker, Herbert L., 4,859,600, Cl. 435-252.330.

Gray, Patrick W.; and Rinderknecht, Ernst H., 4,855,238, Cl. 435-243.000.

Hammonds, R. Glenn; Leung, David W.; Martin, David W., Jr.; Spencer, Steven A.; and Wood, William I., 4,857,637, Cl. 530-403.000.

Hitzeman, Ronald A.; Levinson, Arthur D.; and Yansura, Daniel G., 4,803,164, Cl. 435-68.000.

Leibovich, Samuel J.; Polverini, Peter J.; and Shepard, H. Michael, 4,808,402, Cl. 424-423.000.

Mason, Anthony J.; and Seeburg, Peter H., 4,798,885, Cl. 530-350.000.

Riggs, Arthur D., 4,812,554, Cl. 530-311.000.

Sherwin, Stephen A., 4,851,219, Cl. 424-85.500.

Wong, Grace H. W., 4,828,830, Cl. 424-85.500.

Genequand, Pierre; and Schwab, Philippe, to Centre Suisse d'Electronique et de Microtechnique S.A. Screw actuator for high-precision translator devices. 4,813,830, 3-21-89, Cl. 409-174.000.

Genequand, Pierre M.: *See—*

Schwab, Philippe M.; and Genequand, Pierre M., 4,805,543, Cl. 108-20.000.

General Atomics: *See—*

Bhadra, Dilip K.; Creedon, Richard L.; Harder, C. Ross; and Bourque, Robert F., 4,802,560, Cl. 188-264.00F.

Burnett, Sibley C.; Purcell, John R.; Breneman, Bruce C.; and Sarwinski, Raymond E., 4,841,268, Cl. 335-216.000.

Creedon, Richard L., 4,840,200, Cl. 138-172.000.

Stephens, Richard B., 4,828,685, Cl. 209-11.000.

Yampolsky, Jack S.; Cavallaro, Leonardo; Paulovich, Kenneth F.; and Schleicher, Robert W., 4,863,675, Cl. 376-298.000.

General Binding Corporation: *See—*

Battisti, Thomas T., 4,818,168, Cl. 412-37.000.

Battisti, Thomas T., 4,820,099, Cl. 412-37.000.

Vercillo, Alfredo J.; and Scharer, Roger M., 4,848,797, Cl. 281-21.100.

Vercillo, Alfredo J.; and Nanos, Nicholas M., 4,855,573, Cl. 219-492.000.

General Chemical Corporation: *See—*

Bean, Samuel L.; Dulik, Mark D.; and Monopoli, Peter A., 4,795,476, Cl. 8-107.000.

Becker, Larry W., 4,795,585, Cl. 252-181.000.

Becker, Larry W.; and Lukas, John B., 4,826,606, Cl. 210-728.000.

Becker, Larry W., 4,882,140, Cl. 423-629.000.

Dome, Ernest M.; Baker, Joel C.; and Fakatselis, Thanassi E., 4,869,882, Cl. 423-206.00T.

Kemp, Robert A.; Nelson, William I.; and Foley, Gary W., 4,884,925, Cl. 406-109.000.

Kvant, Magnus, 4,814,106, Cl. 252-363.500.

General Company Limited: *See—*

Ueyama, Seiji; and Onoe, Hiroyasu, 4,840,835, Cl. 428-212.000.

Yamahata, Takashi, 4,857,410, Cl. 428-522.000.

General Components, Inc.: *See—*

Leigh, Charles, 4,854,597, Cl. 277-1.000.

General DataComm, Inc.: *See—*

Bains, Kuldip S., 4,881,224, Cl. 370-82.000.

Bains, Kuldip S., 4,888,770, Cl. 370-110.100.

Boreland, Charles P., 4,858,163, Cl. 364-715.030.

Boreland, Charles P., 4,888,722, Cl. 364-736.500.

Goldshtein, Yury A., 4,827,431, Cl. 364-514.000.

Goldstein, Yuri; Abdelsayed, William E.; and Cole, Paul D., 4,809,300, Cl. 375-94.000.

Goldstein, Yuri, 4,856,031, Cl. 375-118.000.

Gordon, David P., 4,885,745, Cl. 370-110.100.

Gorniak, Andrew M.; and Fargano, Michael J., 4,817,147, Cl. 380-49.000.

Hill, Gregory P., 4,841,561, Cl. 379-97.000.

Jacobsen, Christian C., 4,815,074, Cl. 370-112.000.

Payne, Nicholas W. P.; and Mistry, Kiran K., 4,845,735, Cl. 379-5.000.

Potter, William J., 4,811,360, Cl. 375-11.000.

Sorrentino, Gregory, 4,877,364, Cl. 411-337.000.

General Datacomm Industries, Inc.: *See—*

Rasberry, Joseph D.; and Nitschke, Karl D., 4,803,654, Cl. 364-900.000.

Robinson, Jeffrey I., 4,839,542, Cl. 307-520.000.

General de Investigacion Y Desarrollo S.A.: *See—*

Murga, Maria V. Z., 4,845,629, Cl. 364-439.000.

General Director of the Agency of Industrial Science and Technology: *See—*

Honda, Zenjiro; Komada, Hajime; and Karakane, Hiroki, 4,824,573, Cl. 210-640.000.

Karakane, Hiroki; Maeda, Yasushi; and Tsuyumoto, Michio, 4,871,461, Cl. 210-638.000.

General Dynamics Corporation: *See—*

Atkinson, Bobby, 4,794,800, Cl. 73-827.000.

Bartholomew, Bruce J., 4,836,679, Cl. 356-364.000.

Beamish, Jerald K.; and Foster, H. Dell, 4,825,394, Cl. 364-571.010.

Eisenmann, James R., 4,818,584, Cl. 428-148.000.

Hethcoat, Gary L., 4,858,061 Cl. 361-215.000.

Otto, Vedon W., 4,812,849, Cl. 342-194.000.

General Dynamics Corporation/Convair Division: *See—*

Bartholomew, Bruce J., 4,885,460, Cl. 250-216.000.

Bartholomew, Bruce J., 4,885,478, Cl. 307-425.000.

Morghen, Manfred, 4,801,225, Cl. 409-218.000.

Morghen, Manifred, 4,867,621, Cl. 409-218.000.

Van Den Bergh, Hugo H., 4,807,657, Cl. 137-101.000.

General Dynamics Corporation/Pomona Division: *See—*

Dugan, William P.; and Johnson, Marvin R., 4,878,294, Cl. 29-852.000.

Dugan, William P.; Samudrala, Rama P.; and Rivas, Grace A., 4,878,990, Cl. 156-630.000.

Forrester, Lester L., 4,851,749, Cl. 318-568.110.

Ignatowski, John J., 4,803,422, Cl. 324-73.00R.

Inglis, Ronald T.; Bastian, Thomas W.; and Schertz, Charles W., 4,867,357, Cl. 244-121.000.

LaRocca, Edward W.; and Strike, Robert, 4,807,795, Cl. 228-107.000.

Mancini, Steven A.; and Kutschka, Joseph D., 4,858,851, Cl. 244-327.000.

Nunally, Patrick O., 4,887,544, Cl. 118-50.000.

Perko, Louis S., 4,875,966, Cl. 156-580.000.

Piesik, Edward T., 4,796,510, Cl. 89-1.816.

Robson, Michael H., 4,822,293, Cl. 439-271.000.

- Schlunt, Richard S.; and Decker, Stephen W., 4,843,587, Cl. 364-841.000.
- Schlunt, Richard S., 4,884,232, Cl. 364-754.000.
- Schmid, Hans-Peter; and Schlunt, Richard S., 4,882,668, Cl. 364-600.000.
- Stankey, John E., 4,845,443, Cl. 331-11.000.

General Dynamics Corporation/Space Systems Division: *See—*

- Hilal, Mohamed A., 4,851,799, Cl. 335-216.000.
- Hujsak, Edward J., 4,830,314, Cl. 244-172.000.
- Swanson, Kurt W., 4,850,732, Cl. 403-29.000.

General Dynamics Electronics Division: *See—*

- Lux, Paul A.; and Mathis, Ronald F., 4,871,907, Cl. 250-227.000.

General Dynamics Land Systems, Inc.: *See—*

- Ahern, Charles J.; Fedorowycz, Bohdan W.; and Neumeyer, Martin J., 4,809,803, Cl. 180-65.400.
- Auyer, Richard A.; Buccellato, Robert J.; Petrick, Ernest N.; and Sridharan, Needangalam S., 4,835,033, Cl. 428-131.000.
- Cory, Robert M., 4,840,438, Cl. 305-36.000.
- Cory, Robert M., 4,871,216, Cl. 305-58.00R.
- Karst, David A.; Pawlowski, Felix R.; Potrafke, William A.; and Schuneman, Harold E., 4,857,119, Cl. 148-318.000.
- Suchocki, Anthony J., 4,873,911, Cl. 89-34.000.

General Electric CGR SA: *See—*

- Breton, Eric, 4,857,845, Cl. 324-309.000.
- Delair, Jacques; and Peyret, Olivier, 4,876,705, Cl. 378-144.000.
- Mametsa, Henri-Jose ; and Jacob, Herve, 4,857,850, Cl. 324-318.000.

General Electric Company: *See—*

- Abolins, Visvaldis; Betts, Joseph E.; Holub, Fred F.; and Lee, Gim F., Jr., 4,808,647, Cl. 524-141.000.
- Abuaf, Nesim; Barito, Robert W.; and Downs, Kenneth L., 4,798,753, Cl. 428-69.000.
- Acampora, Alfonse A.; and Bunting, Richard M., 4,827,336, Cl. 358-135.000.
- Acampora, Alfonse A.; and Bunting, Richard M., 4,888,640, Cl. 358-133.000.
- Acharya, Kishore C.; and Schanen, Paul C., 4,815,118, Cl. 378-19.000.
- Adamson, Arthur P., 4,825,648, Cl. 60-226.100.
- Adamson, Arthur P.; and Gliebe, Philip R., 4,883,240, Cl. 244-69.000.
- Adelson, Edward H.; and Simoncelli, Eero P. M., 4,817,182, Cl. 382-56.000.
- Adler, Michael S., 4,868,921, Cl. 357-43.000.
- Agarwal, Surendra H., 4,857,604, Cl. 525-439.000.
- Ahlgren, Frederic F.; Davenport, John M.; Hansler, Richard L.; and Karikas, John J., 4,810,932, Cl. 313-579.000.
- Ahlgren, Frederic F.; Bergman, Rolf S.; Davenport, John M.; Hansler, Richard L.; Hantman, Robert G.; and Hoegler, Leonard E., 4,839,559, Cl. 313-579.000.
- Ahner, David J.; and Dupin, Philippe J., 4,819,436, Cl. 60-657.000.
- Alexander, George E.; and Wilkinson, Stanley B., 4,825,327, Cl. 361-82.000.
- Allen, Deborah L., 4,804,700, Cl. 524-166.000.
- Allen, Richard B.; Bacskai, Barbara M.; Roberts, Daniel L.; and Bopp, Richard C., 4,857,390, Cl. 428-220.000.
- Allen, Richard B.; Gibbs, William E.; and Hans, Lynn M., 4,874,796, Cl. 521-59.000.
- Alley, Robert P., 4,823,075, Cl. 324-117.00H.
- Aloi, Anthony J.; Bernard, Robert R.; and Proulx, Edward A., 4,876,940, Cl. 89-33.160.
- Alphonse, Gerard A.; Hawrylo, Frank Z.; and Harvey, Maria, 4,821,276, Cl. 372-45.000.
- Alphonse, Gerard A.; and Gilbert, Dean B., 4,821,277, Cl. 372-45.000.
- Altes, Stephen K., 4,857,777, Cl. 307-511.000.
- Anderson, John D.; Harton, Lynn M.; and Hibbert, David A., 4,820,178, Cl. 439-212.000.
- Anderson, John M., 4,803,404, Cl. 313-634.000.
- Anderson, M. John, 4,812,702, Cl. 313-153.000.
- Anderson, Patricia P.; Sivavec, Timothy M.; and Takekoshi, Tohru, 4,873,367, Cl. 562-425.000.
- Andrews, James T., 4,824,747, Cl. 430-1.000.
- Andrews, James T.; and Ladany, Ivan, 4,837,775, Cl. 372-96.000.
- Andrews, Loren E.; and Sieber, Robert L., 4,859,889, Cl. 310-89.000.
- Aneja, Viney P.; and Skilbeck, John P., 4,808,262, Cl. 159-47.100.
- Arbeiter, James H., 4,815,023, Cl. 364-724.010.
- Archer, William R., 4,859,921, Cl. 318-599.000.
- Archibald, James B.; and Adams, Steven L., 4,854,034, Cl. 29-596.000.
- Armstrong, William J.; and Stich, Richard A., 4,798,425, Cl. 312-328.000.
- Avakian, Roger W., 4,880,854, Cl. 523-136.000.
- Avakian, Roger W., 4,880,856, Cl. 123-136.000.
- Aycock, David F.; and Shu, Peter H., 4,824,887, Cl. 524-151.000.
- Aycock, David F.; and Ting, Sai-Pei, 4,824,915, Cl. 525-397.000.
- Azad, Farzin H., 4,800,569, Cl. 372-99.000.
- Bakanowski, Stephen M.; and Mapes, William H., 4,811,567, Cl. 62-129.000.
- Balch, Richard A., 4,811,389, Cl. 379-377.000.
- Baliga, Bantval J., 4,799,095, Cl. 357-38.000.
- Baliga, Bantval J.; and Pattanayak, Deva N., 4,801,985, Cl. 357-23.300.
- Baliga, Bantval J.; Chow, Tat-Sing P.; and Chang, Hsueh-Rong, 4,823,176, Cl. 357-23.400.
- Baliga, Bantval J., 4,827,321, Cl. 357-37.000.
- Baliga, Bantval J.; and Pattanayak, Deva N., 4,857,983, Cl. 357-38.000.
- Baliga, Bantval J.; and Korman, Charles S., 4,890,143, Cl. 357-23.400.
- Balke, Roy L., 4,818,909, Cl. 310-208.000.
- Ballard, Donald E., 4,847,987, Cl. 29-606.000.
- Bantel, Thomas E.; Lahrman, David F.; and Halase, John F., III, 4,818,118, Cl. 374-7.000.
- Barber, John H.; Brown, Curtis L.; Duncan, Vernon R.; Knox, Carl E.; and Owen, Roderick D., 4,821,193, Cl. 364-431.020.
- Barrett, Eugene R.; and Arnett, Richard L., 4,856,180, Cl. 29-596.000.
- Battista, Richard A.; Bennett, James G., Jr.; Kokoszka, John J.; and Tungate, Freddie L., 4,851,591, Cl. 568-804.000.
- Beberman, Julie A.; Goldman, Ira B.; Larkin, Harold F.; and Hibbert, David A., 4,842,533, Cl. 439-213.000.
- Bedard, Donna L.; and Brennan, Michael J., Jr., 4,843,007, Cl. 435-252.100.
- Bedard, Donna L.; and Brennan, Michael J., Jr., 4,876,201, Cl. 435-262.000.
- Beebe, Kenneth W., 4,794,753, Cl. 60-39.320.
- Beebe, Kenneth W., 4,825,658, Cl. 60-748.000.
- Beebe, Kenneth W., 4,845,952, Cl. 60-737.000.
- Beers, Melvin D., 4,833,037, Cl. 428-448.000.
- Belke, Robert E.; Zakraysek, Louis; and Pillar, Walter O., 4,876,120, Cl. 428-1.000.
- Belke, Robert E., Jr.; Trojanowski, George F.; and Zakraysek, Louis, 4,806,704, Cl. 174-52.400.
- Bender, Stanley I.; Butler, Lawrence; and Dawes, Peter W., 4,875,655, Cl. 248-557.000.
- Benesch, Jay F., 4,803,456, Cl. 338-32.00S.
- Berdahl, Donald R.; and Matsch, Pamela A., 4,808,731, Cl. 549-241.000.
- Berdahl, Donald R.; Cella, James A.; and Shank, Gary K., 4,855,391, Cl. 528-188.000.
- Berdahl, Donald R., 4,874,835, Cl. 528-179.000.
- Besore, John K.; and Ruark, Bruce L., 4,848,581, Cl. 206-521.000.
- Bessler, Warren F., 4,886,042, Cl. 126-21.00R.
- Billings, David L., 4,889,443, Cl. 403-365.000.
- Binge, Derek S.; and Robinson, Anthony D., 4,864,784, Cl. 52-108.000.
- Bjorge, Robert W., 4,841,722, Cl. 60-39.182.
- Black, Robert D., 4,796,070, Cl. 357-23.400.
- Blackmon, Kenneth P.; Clagett, Donald C.; Fox, Daniel W.; Maresca, Louis M.; and Shafer, Sheldon J., 4,876,317, Cl. 525-433.000.
- Blanton, John C.; and Furman, Anthony H., 4,803,836, Cl. 60-39.464.
- Blunt, Thomas O., 4,828,977, Cl. 434-219.000.
- Boden, Eugene P.; and Krabbenhoft, Herman O., 4,888,400, Cl. 525-462.000.
- Bolon, Donald A.; Eddy, Victoria J.; and Hallgren, John E., 4,855,199, Cl. 430-18.000.
- Bonissone, Piero P., 4,860,213, Cl. 364-513.000.
- Boomgaarden, Jonathan C.; Bandoian, Marlene R. A.; and Ambrose, David W., 4,829,844, Cl. 74-470.000.
- Bopp, Lawrence H., 4,843,009, Cl. 435-253.300.
- Bopp, Richard C., 4,835,201, Cl. 524-102.000.
- Bopp, Richard C., 4,843,116, Cl. 524-102.000.
- Bopp, Richard C.; and Yates, John B., III, 4,879,346, Cl. 525-146.000.
- Boston, Ray W., Jr., 4,822,117, Cl. 312-214.000.
- Botez, Dan; and Bogner, Bruce F., 4,805,176, Cl. 372-29.000.
- Bottomley, Paul A.; Hardy, Christopher J.; O'Donnell, Matthew; and Roemer, Peter B., 4,812,760, Cl. 324-309.000.
- Bottomley, Paul A.; Roemer, Peter B.; Edelstein, William A.; and Mueller, Otward M., 4,881,032, Cl. 324-309.000.
- Boutni, Omar M., 4,868,244, Cl. 525-67.000.
- Boutni, Omar M., 4,873,277, Cl. 524-166.000.
- Boutni, Omar M.; and Pratt, Charles F., 4,885,336, Cl. 525-67.000.
- Boyd, Ronald J.; Law, Wing; and Wilson, Gary L., 4,796,632, Cl. 128-662.030.
- Brackman, William D., Jr., 4,825,350, Cl. 363-56.000.
- Briggs, Milton; and Teutsch, Erich O., 4,798,526, Cl. 425-113.000.
- Brown, Dale M.; Gorowitz, Bernard; and Saia, Richard J., 4,824,802, Cl. 437-192.000.
- Brown, Richard; Bennett, Scott A.; and Lawson, Virgil L., 4,870,377, Cl. 333-238.000.
- Brown, Sterling B.; and Yates, John B., III, 4,806,297, Cl. 264-102.000.
- Brown, Sterling B., 4,831,087, Cl. 525-394.000.
- Brown, Sterling B.; and McFay, Dennis J., 4,866,130, Cl. 525-92.000.
- Brunelle, Daniel J.; Shannon, Thomas G.; Kosky, Philip G.; Buckley, Paul W.; and Silva, James M., 4,814,420, Cl. 528-198.000.
- Brunelle, Daniel J.; and Shannon, Thomas G., 4,829,144, Cl. 528-176.000.
- Brynsvold, Glen V.; Lopez, John T.; Olich, Eugene E.; and West, Calvin W., 4,882,514, Cl. 310-208.000.
- Brzozowski, Steven J., 4,813,244, Cl. 62-514.00R.
- Buchwald, Randall H.; and Mrotek, Gary L., 4,864,192, Cl. 315-8.000.
- Buese, Mark A., 4,826,710, Cl. 427-387.000.
- Bulman, Melvin J., 4,852,458, Cl. 89-7.000.
- Bulman, Melvin J., 4,852,459, Cl. 89-7.000.

- Bunker, William M.; Merz, Donald M.; and Fadden, Richard G., 4,811,245, Cl. 364-521.000.
- Bunker, William M., 4,862,388, Cl. 364-521.000.
- Burgess, James F.; Glascock, Homer H., II; Webster, Harold F.; Neugebauer, Constantine A.; and Loughran, James A., 4,803,450, Cl. 333-238.000.
- Burke, Thomas M., 4,803,994, Cl. 128-660.060.
- Burns, Norbert A.; Reynolds, John S.; Hansen, Willard; and Hutton, Kenneth R., 4,851,090, Cl. 204-129.700.
- Burt, Peter J., 4,797,942, Cl. 382-41.000.
- Burton, Thomas D.; and Purkayastha, Indrajit, 4,814,712, Cl. 324-424.000.
- Bussink, Jan; Ingelbrecht, Hugo G. E.; and Vaishnav, Vinayak, 4,864,011, Cl. 528-198.000.
- Campbell, John R.; Williams, Robert E., Jr.; Brown, Sterling B.; Conroy, Paul M.; and Florence, Robert A., 4,840,982, Cl. 524-151.000.
- Campbell, Richard W.; and Kimbel, Kirk L., 4,824,723, Cl. 428-332.000.
- Capuano, Angelo D.; and Hallenbeck, Gordon R., 4,807,354, Cl. 29-596.000.
- Carlson, John C., 4,816,729, Cl. 318-568.000.
- Carnahan, Blake A.; and Ilacqua, Peter P., 4,816,791, Cl. 333-33.000.
- Carrell, Ross M., 4,871,903, Cl. 235-375.000.
- Carreno, Diether E., and Morgan, Peter J., 4,796,465, Cl. 73-116.000.
- Carruth, John C., 4,863,673, Cl. 376-230.000.
- Casarcia, Dominick A.; and Feldman, Robert F., 4,864,239, Cl. 324-262.000.
- Case, Allen W., Jr.; Lillquist, Robert D.; and Sundell, Robert E., 4,859,830, Cl. 219-130.010.
- Castleberry, Donald E., 4,804,953, Cl. 340-784.000.
- Castleberry, Donald E., 4,873,516, Cl. 340-784.000.
- Castonguay, Roger N.; Morris, Robert A.; Dziura, Richard A.; Scott, Graham A.; and DiVincenzo, Gregory T., 4,806,893, Cl. 335-20.000.
- Castonguay, Roger N.; and Meiners, David J., 4,835,842, Cl. 29-622.000.
- Castonguay, Roger N.; and Meiners, David J., 4,864,263, Cl. 335-167.000.
- Castonguay, Roger N.; Palmieri, Joseph M.; and Scott, Graham A., 4,884,048, Cl. 335-18.000.
- Cavero, Leonard P., 4,868,704, Cl. 361-80.000.
- Cearley, James E.; Salmon, David A.; and Van Diemen, Paul, 4,882,123, Cl. 376-333.000.
- Cella, James A.; Gallagher, Patrick E.; and Shank, Gary K., 4,808,686, Cl. 528-27.000
- Cella, James A.; and Haitko, Deborah A., 4,814,466, Cl. 549-15.000.
- Cella, James A.; O'Neil, Elbridge A., Jr.; and Williams, David A., 4,833,190, Cl. 524-405.000.
- Cella, James A.; and Guggenheim, Thomas L., 4,837,298, Cl. 528-352.000.
- Cella, James A.; and Haitko, Deborah A., 4,864,015, Cl. 528-352.000.
- Cella, James A.; and Faler, Gary R., 4,864,034, Cl. 548-473.000.
- Chande, Tushar S., 4,795,227, Cl. 350-96.180.
- Chande, Tushar S.; and Ortiz, Angel L., Jr., 4,817,020, Cl. 364-557.000.
- Chande, Tushar S.; Jones, Marshall G.; Ortiz, Angel L., Jr.; and August, John L., Jr., 4,838,631, Cl. 350-6.600.
- Chande, Tushar S., 4,844,574, Cl. 350-96.180.
- Chande, Tushar S.; and Ortiz, Angel L., Jr., 4,868,361, Cl. 219-121.620.
- Chang, Hsueh-Rong; Baliga, Bantval J.; and Chow, Tat-Sing P., 4,801,986, Cl. 357-23.400.
- Chang, Keh-Minn, 4,814,023, Cl. 148-2.000.
- Chang, Keh-Minn, 4,816,084, Cl. 148-13.000.
- Chang, Keh-Minn, 4,820,353, Cl. 148-2.000.
- Chang, Keh-Minn, 4,820,358, Cl. 148-13.000.
- Chang, Keh-Minn, 4,888,064, Cl. 148-2.000.
- Chang, Mike F.; Yilmaz, Hamza; Gauffreau, George L.; and Owyang, King, 4,803,533, Cl. 357-23.400.
- Chang, Mike F.; and Pifer, George C., 4,810,665, Cl. 437-30.000.
- Chao, Herbert S., 4,845,159, Cl. 525-390.000.
- Charles, Richard J.; and Gaddipati, Achuta R., 4,880,599, Cl. 419-6.000.
- Charnley, James E.; Cearley, James E.; Dixon, Robert C.; Izzo, Kenneth R.; and Aiello, Louis L., 4,853,176, Cl. 376-333.000.
- Childress, Jeffrey S., 4,821,292, Cl. 375-76.000.
- Chung, Rack H.; Swiger, Roger T.; and Beers, Melvin D., 4,839,453, Cl. 528-18.000.
- Clark, Clair D., 4,848,271, Cl. 118-668.000.
- Clark, Clair D., 4,860,938, Cl. 228-102.000.
- Clark, Clarence O.; and Hong, Jauwhei, 4,840,850, Cl. 428-471.000.
- Claydon, Glenn S.; Alley, Robert P.; and Laughton, William J., 4,806,844, Cl. 323-311.000.
- Cline, Harvey E.; Ludke, Siegwalt; and Lorensen, William E., 4,821,213, Cl. 364-522.000.
- Cline, Harvey E.; and Dumoulin, Charles L., 4,849,697, Cl. 324-306.000.
- Cline, Harvey E.; Ludke, Siegwalt; and Lorensen, William E., 4,879,668, Cl. 364-522.000.
- Coates, David J.; Gordon, Gerald M.; Jacobs, Alvin J.; and Sandusky, David W., 4,863,682, Cl. 376-457.000.
- Coffinberry, George A., 4,817,890, Cl. 244-135.00R.
- Coffinberry, George A., 4,835,959, Cl. 60-212.000.
- Coffinberry, George A., 4,840,025, Cl. 60-217.000.
- Colborn, Robert E., 4,814,391, Cl. 525-370.000.
- Colborn, Robert E., 4,855,467, Cl. 556-40.000.
- Cole, Herbert S., Jr.; Levinson, Lionel M.; Liu, Yung S.; and Sitnik, Theresa A., 4,865,873, Cl. 427-53.100.
- Conrad, George R., 4,830,251, Cl. 215-10.000.
- Conrad, George R., 4,880,112, Cl. 206-216.000.
- Conrad, George R., 4,889,261, Cl. 222-130.000.
- Coppa, Anthony P., 4,803,824, Cl. 52-648.000.
- Coppa, Anthony P., 4,829,739, Cl. 52-745.000.
- Coppa, Anthony P., 4,878,286, Cl. 29-467.000.
- Corbett, Peter F., 4,868,903, Cl. 307-296.600.
- Corsmeier, Robert J.; and Kelm, James S., 4,868,963, Cl. 29-156.80R.
- Covey, Robert L., 4,814,889, Cl. 358-227.000.
- Crawford, Carl R.; and Lorensen, William E., 4,831,528, Cl. 364-413.220.
- Crawford, Carl R.; Frazee, David M.; and Santos, Enrique, 4,868,748, Cl. 364-413.220.
- Crawford, Carl R., 4,885,688, Cl. 364-413.220.
- Crawford, Delmar E.; and Fields, Harold T., 4,842,895, Cl. 427-116.000.
- Crivello, James V.; and Lee, Julia L., 4,840,977, Cl. 522-25.000.
- Crivello, James V.; and Conlon, David A., 4,864,054, Cl. 560-64.000.
- Crivello, James V.; and Lee, Julia L., 4,882,201, Cl. 427-54.100.
- Csillag, Frank J., 4,797,326, Cl. 428-552.000.
- Csillag, Frank J., 4,810,447, Cl. 264-125.000.
- Csillag, Frank J., 4,832,708, Cl. 51-309.000.
- Cueman, Michael K., 4,826,770, Cl. 436-6.000.
- Cueman, Michael K.; Trzaskos, Casmir R.; Thomas, Lewis J., III; and Greskovich, Charles D., 4,870,279, Cl. 250-368.000.
- Cunningham, Charles R., 4,826,451, Cl. 439-589.000.
- Cusano, Dominic A.; and Possin, George E., 4,873,708, Cl. 378-62.000.
- Dakin, James T.; and El-Hamamsy, Sayed A., 4,872,741, Cl. 350-345.000.
- Dallavia, Anthony J., Jr., 4,830,924, Cl. 428-429.000.
- Damon, Edward K., 4,845,422, Cl. 324-585.00R.
- Damon, Edward K., 4,862,061, Cl. 324-58.50R.
- Danek, Robert J., 4,870,531, Cl. 361-93.000.
- Dar, Tariq B., 4,809,006, Cl. 342-352.000.
- Darolia, Ramgopal; and Matey, David M., 4,849,030, Cl. 148-3.000.
- Das, Aniruddha; Navon, Victor; and Reid, Daniel F., 4,827,265, Cl. 342-78.000.
- Davenport, John M.; and Hansler, Richard L., 4,811,172, Cl. 362-61.000.
- Davenport, John M.; and Hansler, Richard L., 4,851,969, Cl. 362-61.000.
- Davenport, John M.; and Hansler, Richard L., 4,868,458, Cl. 315-77.000.
- Davenport, John M.; Finch, William W.; and Hansler, Richard L., 4,868,718, Cl. 362-32.000.
- Deakins, Martin E.; Slutz, David E.; Johnson, Neil R.; Clark, Thomas J.; and Bovenkerk, Harold P., 4,883,500, Cl. 51-298.000.
- Delmerico, Robert W.; and Espelage, Paul M., 4,823,068, Cl. 318-807.000.
- De Munck, Johannes W. J.; and Lohmeijer, Johannes H. G. M., 4,879,330, Cl. 524-151.000.
- DeSaw, Fred A., 4,839,490, Cl. 219-74.000.
- Devins, John C.; Reed, Clive W.; and Rzad, Stefan J., 4,842,941, Cl. 428-412.000.
- DeVizzi, Francesco, 4,860,162, Cl. 361-376.000.
- Dholakia, Anil R.; and Trager, Louis, 4,797,728, Cl. 357-81.000.
- Dholakia, Anil R.; and Trager, Louis, 4,820,659, Cl. 437-209.000.
- Dixon, Robert C., and Deaver, Gerald A., 4,859,403, Cl. 376-286.000.
- Dole, Stephen L.; Arendt, Ronald H.; and Pasco, Wayne D., 4,810,679, Cl. 501-98.000.
- Dole, Stephen L.; Arendt, Ronald H.; and Pasco, Wayne D., 4,843,042, Cl. 501-96.000.
- Dorgan, Robert J.; and Wallace, David A., 4,848,186, Cl. 74-677.000.
- Dorri, Bizhan, 4,848,311, Cl. 126-21.00R.
- Dougherty, John J., 4,876,622, Cl. 361-94.000.
- Dumoulin, Charles L., 4,796,635, Cl. 128-653.000.
- Dumoulin, Charles L.; and Souza, Steven P., 4,800,889, Cl. 128-653.000.
- Dziura, Richard A.; Russell, Ronald R.; and Scott, Graham A., 4,884,164, Cl. 361-97.000.
- Eash, Matthew G., 4,820,985, Cl. 324-318.000.
- Eash, Matthew G., 4,833,409, Cl. 324-318.000.
- Edelstein, William A.; and Schenck, John F., 4,840,700, Cl. 156-634.000.
- Edward, Brian J.; Lang, Richard J.; and Rees, Daniel E., 4,800,393, Cl. 343-821.000.
- Edward, Brian J.; and Rees, Daniel F., 4,825,220, Cl. 343-795.000.
- Edward, Brian J.; and Wanuga, Stephen, 4,885,589, Cl. 342-175.000.
- Eichelberger, Charles W., Wojnarowski, Robert J.; and Welles, Kenneth B., II, 4,835,704, Cl. 364-490.000.
- Eichelberger, Charles W.; Welles, Kenneth B., II; and Wojnarowski, Robert J., 4,866,508, Cl. 357-74.000.
- Eichelberger, Charles W.; and Wojnarowski, Robert J., 4,878,991, Cl. 156-630.000.

Eichelberger, Charles W.; Wojnarowski, Robert J.; and Welles, Kenneth B., II, 4,884,122, Cl. 357-71.000.
Elabd, Hammam, 4,803,710, Cl. 377-60.000.
Elabd, Hammam, 4,870,293, Cl. 250-578.000.
Elman, Larisa A., 4,799,408, Cl. 82-1.00C.
Elton, Richard K.; and Schultz, William R., Jr., 4,853,565, Cl. 310-45.000.
Espiritu-Santo, Eugenio, 4,872,349, Cl. 73-727.000.
Essock, Diana M.; and Malinowski, Richard F., 4,835,439, Cl. 313-332.000.
Evans, Thomas L.; and Berman, Carol B., 4,816,548, Cl. 528-370.000.
Evans, Thomas L.; and Berman, Carol B., 4,831,001, Cl. 502-153.000.
Evans, Thomas L.; and Berman, Carol B., 4,839,462, Cl. 528-370.000.
Evans, Thomas L.; and Wasserman, Carol B., 4,849,502, Cl. 528-371.000.
Factor, Arnold; and Patel, Gautam A., 4,863,520, Cl. 106-287.120.
Faler, Gary R., 4,847,432, Cl. 568-727.000.
Fedele, Nicola J., 4,813,056, Cl. 375-27.000.
Fedele, Nicola J.; Acampora, Alfonse A.; Bunting, Richard M.; and Waldman, Harvey, 4,831,439, Cl. 358-133.000.
Fedele, Nicola J., 4,858,107, Cl. 364-200.000.
Fenton, Richard M., 4,857,125, Cl. 156-169.000.
Ferrigno, Stephen J.; Somerville, Mark; and Young, William R., 4,830,934, Cl. 428-678.000.
Fisher, Lynn E.; Wandler, Richard A.; and Frank, James P., 4,856,182, Cl. 29-622.000.
Fisher, Lynn E., 4,858,303, Cl. 29-596.000.
Flowers, Gilbert E.; Kelly, Earl L., Jr.; and Lynch, Henry E., 4,844,322, Cl. 228-119.000.
Flynn, Patrick J., 4,843,588, Cl. 364-900.000.
Fontana, Luca P.; and Shannon, Thomas G., 4,814,428, Cl. 528-370.000.
Forbes, Franklin L.; and Harms, Harold B., 4,835,839, Cl. 29-596.000.
Forbes, Franklin L.; and Cunningham, Eldon R., 4,883,982, Cl. 310-62.000.
Foust, Donald F.; Dumas, William V.; Lamby, Edward J.; and Karas, Bradley R., 4,842,946, Cl. 428-458.000.
Foust, Donald F.; Lamby, Edward J.; Karas, Bradley R.; Dumas, William V.; and Jerabek, Elihu C., 4,873,136, Cl. 428-209.000.
Fox, Daniel W.; Peters, Edward N.; and Sybert, Paul D., 4,841,015, Cl. 528-198.000.
Fox, Daniel W.; and Peters, Edward N., 4,885,407, Cl. 568-724.000.
Fox, Joseph S., 4,862,870, Cl. 126-197.000.
Frank, James P.; and King, James J., 4,834,679, Cl. 439-709.000.
Franzél, Patricia E.; Goldsworthy, Charles S.; Dillenburg, Peter A.; and Hall, James H., Jr., 4,825,123, Cl. 313-452.000.
Fredley, Joseph E., 4,869,313, Cl. 165-41.000.
Freedman, David D., 4,843,532, Cl. 363-26.000.
Freeman, Smith, 4,862,399, Cl. 364-580.000.
French, Park; Gotti, Mary B.; Karikas, John J.; and Reiling, Gilbert H., 4,808,876, Cl. 313-25.000.
Fritzsche, Harold L., 4,794,778, Cl. 72-354.000.
Fritzsche, Harold L., 4,796,451, Cl. 72-131.000.
Fritzsche, Harold L., 4,816,711, Cl. 310-216.000.
Frushour, Robert H., 4,828,582, Cl. 51-293.000.
Fuhrer, Jack S., 4,855,824, Cl. 358-133.000.
Fujii, Susumi; Ishida, Hiromi; Morioka, Masataka; Saito, Akihiro; and van der Meer, Roelof, 4,873,276, Cl. 524-153.000.
Fujii, Susumu; and Ting, Sai-Pei, 4,871,800, Cl. 525-68.000.
Fukuda, Masao; and Fujiwara, Tsutae, 4,816,184, Cl. 252-511.000.
Fulmer, John W., 4,832,796, Cl. 203-29.000.
Gaffney, Brian P., 4,866,449, Cl. 342-151.000
Gallagher, Patrick E.; and Greenberg, Ronald A., 4,835,249, Cl. 528-353.000.
Gallucci, Robert R.; and Bookbinder, Dana C., 4,806,597, Cl. 525-57.000.
Gallucci, Robert R., 4,839,426, Cl. 525-146.000.
Gallucci, Robert R., 4,849,474, Cl. 525-92.000.
Gallucci, Robert R.; and Bookbinder, Dana C., 4,869,963, Cl. 428-412.000.
Gallucci, Robert R.; van der Meer, Roelof; and Avakian, Roger W., 4,873,286, Cl. 525-92.000.
Gallucci, Robert R.; Wroczynski, Ronald J.; Jones, James F.; and Rasch, Stefan F., 4,885,335, Cl. 525-67.000.
Gambale, Ronald J.; Hathaway, Susan J.; Longley, Kathryn L.; and Ullman, Timothy J., 4,853,458, Cl. 528-198.000.
Garner, Terry N.; and Sherman, Ralph R., 4,870,699, Cl. 455-76.000.
Garner, Terry N.; and Dixon, Robert P., 4,887,311, Cl. 455-76.000.
Gdula, Michael, 4,845,608, Cl. 364-166.000.
Gerdes, Keith W., 4,805,370, Cl. 52-716.000.
Giffin, Rollin G., III; and Lenahan, Dean T., 4,809,498, Cl. 60-39.162.
Giffin, Rollin G., III; Woltmann, Ivan E.; and McHugh, Donald P., 4,817,378, Cl. 60-261.000.
Giles, Harold F., Jr., 4,873,133, Cl. 428-107.000.
Gilliard, Richard P.; Cap, Daniel M.; and Russell, Timothy D., 4,798,995, Cl. 313-638.000.
Gizienski, John J.; Short, Stephen P.; and Meller, Robert J., 4,867,693, Cl. 439-137.000.
Glascock, Homer H., II; and Carlson, Richard O., 4,828,597, Cl. 65-42.000.
Glasheen, William M., 4,818,080, Cl. 350-355.000.
Glasheen, William M.; and Mayer, Christopher R., 4,858,474, Cl. 73-861.350.
Glasheen, William M., 4,864,869, Cl. 73-861.350.
Glover, Gary H., 4,843,322, Cl. 324-309.000.
Gluntz, Douglas M., 4,810,460, Cl. 376-282.000.
Gluntz, Douglas M., 4,812,286, Cl. 376-282.000.
Gluntz, Douglas M.; and Black, James C., 4,818,475, Cl. 376-282.000.
Gluntz, Douglas M., 4,830,815, Cl. 376-299.000.
Gluntz, Douglas M., 4,847,043, Cl. 376-372.000.
Golba, Joseph C., Jr.; Brown, Sterling B.; and Hasson, Alexandros, 4,831,115, Cl. 528-481.000.
Goodman, Lawrence A.; and Goodman, Alvin M., 4,837,606, Cl. 357-23.400.
Goossens, John C.; Factor, Arnold; and Miranda, Peter M., 4,861,664, Cl. 428-409.000.
Gordon, Gerald M., 4,861,544, Cl. 376-333.000.
Gou, Perng-Fei; and Wade, Gentry E., 4,889,682, Cl. 376-283.000.
Gray, Peter V.; Baliga, Bantval J.; Chang, Mike F. S.; and Pifer, George C., 4,883,767, Cl. 437-41.000.
Green, Ben A., Jr., 4,807,167, Cl. 364-571.040.
Gregory, Brent A., 4,826,400, Cl. 415-181.000.
Griffing, Bruce F.; and West, Paul R., 4,859,789, Cl. 560-35.000.
Gross, David C.; Haig, Connie L.; and Rich, Jonathan D., 4,810,728, Cl. 521-82.000.
Gross, David C.; Lewis, Larry N.; and Haig, Connie L., 4,840,974, Cl. 521-85.000.
Gross, David C.; Lewis, Larry N.; and Haig, Connie L., 4,851,452, Cl. 521-134.000.
Guggenheim, Thomas L.; and Guiles, Joseph W., 4,808,754, Cl. 564-428.000.
Guggenheim, Thomas L.; and McCormick, Sharon J., 4,814,496, Cl. 562-466.000.
Guggenheim, Thomas L.; McCormick, Sharon J.; Colley, Alice M.; and Guiles, Joseph W., 4,868,279, Cl. 528-324.000.
Guggenheim, Thomas L.; and Guiles, Joseph W., 4,880,899, Cl. 528-370.000.
Guida, Allan A., 4,866,509, Cl. 358-12.000.
Gullberg, Grant T.; and Crawford, Carl R., 4,812,983, Cl. 364-413.170.
Gunnels, William F.; Willis, Candler A.; and Osteen, Mitchell M., 4,835,841, Cl. 29-605.000.
Guyer, Anthony W., 4,800,647, Cl. 29-741.000.
Haaf, William R.; and Axelrod, Robert J., 4,826,919, Cl. 525-68.000.
Haas, Adam J.; and Crabtree, Glenn E., 4,829,652, Cl. 29-451.000.
Haefner, Kenneth B.; and Povlick, Thomas P., 4,849,601, Cl. 219-110.000.
Haefner, Kenneth B.; Bernstein, Bruce M.; Carey, Bernard J.; and Overton, Kenneth J., 4,861,960, Cl. 219-110.000.
Hammer, Jacob M., 4,872,176, Cl. 372-50.000.
Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., 4,808,673, Cl. 524-413.000.
Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., 4,830,988, Cl. 501-21.000.
Hang, Kenneth W.; and Prabhu, Ashok N., 4,863,517, Cl. 106-20.000.
Harbeke, Guenther; and Jastrzebski, Lubomir L., 4,805,187, Cl. 374-123.000.
Hardy, Robert M., 4,800,491, Cl. 364-200.000.
Harris, David J.; and Elgin, Richard L., 4,830,557, Cl. 411-113.000.
Harris, John W.; Sherling, Jon L.; and Puschak, Carl N., 4,862,072, Cl. 324-73.00R.
Hartless, Mac L.; and Johnson, Alan L., 4,860,373, Cl. 382-41.000.
Hartley, Richard I.; and Corbett, Peter F., 4,860,240, Cl. 364-757.000.
Harton, Lynn M.; Rosenberger, Bruce R.; Anderson, John D.; and Walker, Clarence W., 4,886,468, Cl. 439-212.000.
Hasan, Moh'd A., 4,885,590, Cl. 342-196.000.
Hathaway, Susan J.; and Pyles, Robert A., 4,800,218, Cl. 525-433.000.
Hathaway, Susan J.; and Han, Choong Y., 4,808,672, Cl. 525-397.000.
Hauser, Ambrose A.; Wakeman, Thomas G.; Strock, William J.; and Morris, David B., 4,863,352, Cl. 416-204.00R.
Hawkins, Christopher M., 4,841,001, Cl. 525-468.000.
Hawkins, Christopher M., 4,851,498, Cl. 528-190.000.
Hawkins, Christopher M.; and Bostick, Edgar E., 4,855,380, Cl. 528-370.000.
Hawkins, Ralph G., 4,862,795, Cl. 99-446.000.
Hawrylo, Frank Z., 4,832,251, Cl. 228-105.000.
Hayes, Cecil E., 4,885,541, Cl. 324-322.000.
Head, Robert A.; Cowan, Robert L.; and Law, Robert J., 4,882,122, Cl. 376-245.000.
Heartz, Robert A., 4,821,212, Cl. 364-521.000.
Heartz, Robert A., 4,855,937, Cl. 364-521.000.
Heindl, Raymond A.; Reiling, Gilbert H.; and Suster, Albert L., 4,853,597, Cl. 313-638.000.
Hendley, David G.; and Litzinger, William A., 4,872,812, Cl. 416-190.000.
Henry, Michael F., 4,867,812, Cl. 148-428.000.
Henshaw, Wallace H., Jr., 4,863,394, Cl. 439-239.000.
Herbert, Jeffrey C.; and Schlesier, Kenneth M., 4,849,805, Cl. 357-23.700.
Herrick, Phillip R.; Ewing, Daniel C.; Wright, Floyd H.; and Truelove, Kevin M., 4,801,877, Cl. 324-158.0MG.

Herschitz, Roman; Demarest, Scott T.; Chu, Stephen H.; and Leung, John G., 4,849,600, Cl. 219-110.000.
Herschitz, Roman; Bogorad, Alexander; and Harhigh, Robert N., 4,876,430, Cl. 219-110.000.
Hershberger, Doran D., 4,806,717, Cl. 318-138.000.
Hibbert, David A.; Richards, Anthony L.; Zuffelato, Dennis C.; Turmelle, Conrad R.; and Larkin, Harold F., 4,804,804, Cl. 174-16.200.
Hilakos, William, 4,864,964, Cl. 118-117.000.
Hillig, William B.; and McGuigan, Henry C., 4,810,442, Cl. 264-60.000.
Hillig, William B.; and McGuigan, Henry C., 4,885,265, Cl. 501-95.000.
Hinckley, Heidemarie; and Childs, William M., 4,868,981, Cl. 29-857.000.
Hines, William R., 4,864,810, Cl. 60-39.050.
Hingorani, Rajesh; and Fedele, Nicola J., 4,821,290, Cl. 375-25.000.
Ho, Chung-Yih; Molnar, Karl J.; and Staver, Daniel A., 4,841,467, Cl. 364-748.000.
Hoffman, Mary V., 4,847,533, Cl. 313-487.000.
Holub, Fred F.; and Rock, John A., 4,855,356, Cl. 525-66.000.
Holub, Fred F.; Abolins, Visvaldis; and Rock, John A., 4,873,287, Cl. 525-92.000.
Hsu, Sheng T., 4,797,721, Cl. 357-23.700.
Hsu, Sheng T., 4,841,347, Cl. 357-23.900.
Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,836,983, Cl. 420-418.000.
Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,842,819, Cl. 420-418.000.
Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,842,820, Cl. 420-418.000.
Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,857,268, Cl. 420-418.000.
Huang, Shyh-Chin, 4,879,092, Cl. 420-418.000.
Hurst, Robert N., Jr., 4,866,521, Cl. 358-141.000.
Hurtgen, Jerome P., 4,880,391, Cl. 439-221.000.
Huseby, Irvin C.; and Bobik, Carl F., 4,818,455, Cl. 264-65.000.
Iacovangelo, Charles D.; and Zarnoch, Kenneth P., 4,863,766, Cl. 427-443.100.
Ishihara, Toshio, 4,804,711, Cl. 525-146.000.
Ishihara, Toshio, 4,814,393, Cl. 525-394.000.
Isnardi, Michael A., 4,839,720, Cl. 358-12.000.
Isnardi, Michael A.; and Patel, Chandrakant B., 4,853,766, Cl. 358-12.000.
Isnardi, Michael A., 4,855,811, Cl. 358-12.000.
Isnardi, Michael A.; and Hurst, Robert N., Jr., 4,884,127, Cl. 358-12.000.
Isnardi, Michael A.; Smith, Terrence R.; Fuhrer, Jack S.; and Roeder, Barbara J., 4,888,641, Cl. 358-141.000.
Jacobs, Alvin J., 4,836,976, Cl. 376-305.000.
Jacobs, Alvin J.; and Gordon, Gerald M., 4,878,962, Cl. 148-136.000.
Jacomb-Hood, Anthony W., 4,806,944, Cl. 343-745.000.
Jastrzebski, Lubomir L.; Looney, Gary W.; and Patterson, David L., 4,824,698, Cl. 427-255.000.
Jayakumar, Raghavan, 4,812,797, Cl. 335-299.000.
Jebens, Robert W., 4,799,778, Cl. 350-452.000.
Jenkins, Thomas B.; Ulery, Dennis R.; Wilson, Blake W.; Walko, Steven C.; Lee, Lester H.; Salerno, Robert P.; Nason, Robert W.; and Courtney, John P., 4,859,891, Cl. 310-215.000.
Johansson, Eric B., 4,871,509, Cl. 376-412.000.
Johansson, Eric B., 4,876,063, Cl. 376-444.000.
Johansson, Eric B., 4,889,684, Cl. 376-444.000.
Johnson, Bruce C.; Hovatter, Thomas W.; Rice, Steven T.; and Chao, Herbert S., 4,808,674, Cl. 525-397.000.
Johnson, Kenneth O., 4,842,484, Cl. 416-127.000.
Johnson, Peter D.; Dakin, James T.; and Anderson, John M., 4,810,938, Cl. 315-248.000.
Jones, Marshall G., 4,799,755, Cl. 350-96.180.
Jones, Marshall G.; Ortiz, Angel L., Jr.; Chande, Tushar S.; and August, John L., Jr., 4,840,450, Cl. 350-96.200.
Jones, Marshall G.; and Batra, Prem N., 4,877,175, Cl. 228-102.000.
Joyce, Richard P., 4,853,457, Cl. 528-190.000.
Kaganowicz, Grzegorz; Robinson, John W.; and Ipri, Alfred C., 4,804,640, Cl. 437-236.000.
Kaminski, Christopher A., 4,814,655, Cl. 310-260.000.
Karas, Bradley R.; Foust, Donald F.; and Dumas, William V., 4,874,635, Cl. 427-96.000.
Kast, Howard B., 4,805,515, Cl. 91-461.000.
Katz, Allen, 4,882,547, Cl. 330-149.000.
Kazlauskas, Romas J., 4,879,421, Cl. 568-737.000.
Keck, Arthur C., 4,851,725, Cl. 310-71.000.
Kelaita, Joseph B., Jr.; and Collin, Edwin J., 4,801,907, Cl. 335-20.000.
Kenworthy, Milton J.; and King, Robert C., 4,852,355, Cl. 60-751.000.
Kern, Jeffrey A., 4,812,624, Cl. 219-450.000.
Kim, Bang M.; and Giles, Harold F., Jr., 4,859,524, Cl. 428-236.000.
Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,845,050, Cl. 437-192.000.
Kim, Manjin J.; Griffing, Bruce F.; Wilson, Ronald H.; Williams, Arlene G.; and Stoll, Robert W., 4,849,377, Cl. 437-228.000.
Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,871,617, Cl. 428-450.000.
King, James L., 4,868,439, Cl. 310-217.000.
King, Robert D., 4,862,009, Cl. 290-22.000.
Kirpich, Aaron S., 4,800,952, Cl. 165-104.110.
Kissinger, Gaylord M., 4,847,433, Cl. 568-727.000.
Kissinger, Gaylord M., 4,876,391, Cl. 568-724.000.
Kissinger, Gaylord M., 4,876,395, Cl. 568-728.000.
Kliman, Gerald B.; Brynsvold, Glen V.; and Jahns, Thomas M., 4,859,885, Cl. 310-11.000.
Kliman, Gerald B.; and Jones, Donald W., 4,859,974, Cl. 335-229.000.
Knapp, Malcolm H.; and Sonder, Gerhard, 4,796,721, Cl. 180-294.000.
Knapp, Malcolm H., 4,872,767, Cl. 384-99.000.
Komanduri, Ranga, 4,797,138, Cl. 51-293.000.
Koninsky, Peter M.; and D'Ariano, Emilio F., 4,811,184, Cl. 363-17.000.
Kornrumpf, William P., 4,868,448, Cl. 310-331.000.
Kosky, Philip G.; Silva, James M.; and Fyvie, Thomas J., 4,810,813, Cl. 558-281.000.
Kosonocky, Walter F., 4,866,497, Cl. 357-24.000.
Kostoss, Joseph M.; and Rohrs, Frederick T., 4,837,471, Cl. 310-258.000.
Kresge, James S.; and Zaks, Gordon E., 4,803,436, Cl. 324-549.000.
Kresge, James S., 4,809,124, Cl. 361-58.000.
Krueger, James W., Jr.; Carnahan, Blake A.; Schill, Allan A.; Berical, Albert H.; and Younger, Cousby, Jr., 4,870,375, Cl. 333-33.000.
Kuchar, Norman R., 4,852,109, Cl. 372-34.000.
Kure-Jensen, Jens; Westphal, Bernd A. K.; and Drummond, Thane M., 4,853,552, Cl. 290-40.00C.
LaConti, Anthony B.; and Coker, Thomas G., 4,832,805, Cl. 204-98.000.
Lahti, Daniel J.; and Younghans, James L., 4,799,633, Cl. 244-130.000.
Lampe, Warren R.; Moore, Annette A.; and Hartley, Kathleen R., 4,861,670, Cl. 428-447.000.
Lane, Lawrence J., 4,855,664, Cl. 322-19.000.
Lang, Richard J., 4,837,532, Cl. 333-164.000.
Langer, Matthew E.; Schissel, David N.; and Yeager, Gary W., 4,845,184, Cl. 528-193.000.
Larkin, Harold F.; Hibbert, David A.; Beberman, Julie A.; and Walker, Clarence W., 4,849,581, Cl. 174-88.00B.
Larson, Carl A.; McMillen, Charles J.; and McQuay, Edgar E., 4,862,307, Cl. 361-38.000.
Larson, Richard I.; and Ringle, Richard P., 4,816,187, Cl. 252-639.000.
Laskaris, Evangelos T., 4,800,354, Cl. 335-216.000.
Lau, Monica M.; and Coffinberry, George A., 4,811,556, Cl. 60-206.000.
Lau, Monica M.; and Coffinberry, George A., 4,841,723, Cl. 60-204.000.
Lay, Kenneth W.; Rosenbaum, Herman S.; Davies, John H.; and Marlowe, Mickey O., 4,869,866, Cl. 376-421.000.
Lay, Kenneth W.; Rosenbaum, Herman S.; and Davies, John H., 4,869,867, Cl. 376-421.000.
Lay, Kenneth W.; Rosenbaum, Herman S.; and Davies, John H., 4,869,868, Cl. 376-421.000.
Lee, Albert C., and Ballard, Donald E., 4,814,736, Cl. 336-213.000.
Lee, Gim F., Jr.; Heuschen, Jean M.; and Van Der Meer, Roelof, 4,874,810, Cl. 524-505.000.
LeGrand, Donald G.; and Olszewski, William V., 4,861,666, Cl. 428-412.000.
Leonard, Gary L., 4,811,706, Cl. 123-196.00R.
Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.
Levine, Aaron W., 4,853,064, Cl. 156-275.500.
Lievestro, Louis; Kelm, James S.; Ludwig, Arthur L.; Maclin, Harvey M.; and Wakeman, Thomas G., 4,796,423, Cl. 60-39.330.
Lindberg, Richard W., 4,870,672, Cl. 378-129.000.
Liu, Nan-I, 4,814,380, Cl. 525-66.000.
Liu, Nan-I, 4,814,396, Cl. 525-433.000.
Liu, Yung S.; and Grubb, Willard T., 4,857,382, Cl. 428-156.000.
Liu, Yung S.; and Grubb, Willard T., 4,882,200, Cl. 427-53.100.
Lock, Brian E.; and Aceti, John G., 4,821,864, Cl. 198-368.000.
Lock, Brian E.; and Aceti, John G., 4,861,085, Cl. 294-87.100.
Lonn, Albert H. R., 4,870,666, Cl. 378-18.000.
MacGregor, Richard A., 4,803,896, Cl. 74-606.00R.
Maclin, Harvey M.; Lenahan, Dean T.; and Tuley, Eugene N., 4,807,433, Cl. 60-39.290.
Maher, David L.; and Watt, David N., 4,833,966, Cl. 89-33.160.
Maier, Joseph K., 4,806,866, Cl. 324-313.000.
Maki, Michael D.; Miller, Darrell J.; Filtz, Duane A.; and Hauck, Robert B., 4,845,734, Cl. 378-181.000.
Maresca, Louis M.; Clagett, Donald C.; and Wascher, Uwe S., 4,798,874, Cl. 525-425.000.
Maresca, Louis M., 4,877,848, Cl. 525-423.000.
Markley, Joseph P.; and Irish, William D., 4,821,399, Cl. 29-458.000.
Marshall, Dale F., 4,822,240, Cl. 415-105.000.
Mattheyses, Robert M., 4,802,090, Cl. 364-200.000.
Mattheyses, Robert M., 4,858,106, Cl. 364-200.000.
McCready, Russell J.; and Tyrell, John A., 4,795,790, Cl. 525-437.000.
McCready, Russell J.; Liu, Nan-I; and Tyrell, John A., 4,798,858, Cl. 524-100.000.
McDonnell, Robert L.; Somers, Ralph M.; and Wilhelm, Roland K., 4,847,687, Cl. 358-101.000.

McGinley, Jeremiah E., 4,881,466, Cl. 102-522.000.
McLaughlin, Michael H.; and Penney, Carl M., 4,864,777, Cl. 51-281.00R.
Mehan, Richard L., 4,854,196, Cl. 76-101.00R.
Meise, William H.; Rosen, Arye; and Stabile, Paul J., 4,843,358, Cl. 333-263.000.
Mengel, William H., 4,860,380, Cl. 455-185.000.
Mers, Catherine; Nelson, Clark D.; Arsena, Vito J.; and Jaffe, Mary S., 4,833,576, Cl. 362-226.000.
Merz, Donald M., 4,825,391, Cl. 364-526.000.
Michon, Gerald J., 4,807,038, Cl. 358-213.310.
Michon, Gerald J., 4,860,073, Cl. 357-24.000.
Mihalich, James M., 4,861,630, Cl. 428-34.100.
Milkovic, Miran, 4,800,333, Cl. 324-142.000.
Milkovic, Miran, 4,808,942, Cl. 330-9.000.
Milkovic, Miran, 4,859,937, Cl. 324-142.000.
Milkovic, Miran, 4,870,351, Cl. 324-142.000.
Miller, Greg A.; and Stoll, Donald H., 4,851,963, Cl. 361-356.000.
Miller, Richard; and Zlupko, John E., 4,876,421, Cl. 200-144.00C.
Miller, Russell S., 4,819,450, Cl. 62-514.00R.
Miller, Steven A., 4,801,412, Cl. 264-12.000.
Mitoff, Stephan P.; Charles, Richard J.; and Pasco, Wayne D., 4,833,039, Cl. 428-552.000.
Modic, Frank J.; and Striker, Richard A., 4,871,782, Cl. 521-88.000.
Mogro-Campero, Antonio; and Turner, Larry G., 4,882,312, Cl. 505-1.000.
Moore, James E.; Factor, Arnold; and Miranda, Peter M., 4,863,802, Cl. 428-412.000.
Morris, Robert A.; Panus, Irenaeus S.; and Castonguay, Roger N., 4,796,154, Cl. 361-353.000.
Morris, Robert A.; and Yu, Yuet-Ying, 4,801,906, Cl. 335-17.000.
Morris, Robert A.; Mitsch, James M.; Panus, Irenaeus S.; Yu, Yuet-Ying; and Castonguay, Roger N., 4,803,774, Cl. 29-622.000.
Morris, Robert A.; and Castonguay, Roger N., 4,827,089, Cl. 200-50.00C.
Morris, Robert A.; and Castonguay, Roger N., 4,843,359, Cl. 335-6.000.
Mueller, Otward M., 4,835,485, Cl. 330-277.000.
Nazarenko, Dimitri M.; Hughes, Houston H., III; Gordon, Robert T.; Hattey, David L.; and Yurman, Bruno, 4,835,731, Cl. 379-63.000.
Near, Timothy P.; Cieri, Joseph J.; and Holet, Kenneth M., 4,799.052, Cl. 340-825.500.
Nelson, Linda H., 4,826,913, Cl. 524-490.000.
Nelson, Linda H., 4,870,123, Cl. 524-490.000.
Nelson, Linda H., 4,870,124, Cl. 524-490.000.
Nelson, Linda H., 4,870,125, Cl. 524-490.000.
Nelson, Linda H., 4,873,278, Cl. 524-380.000.
Nelson, Linda H., 4,873,279, Cl. 524-384.000.
Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,874,783, Cl. 524-482.000.
Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,876,309, Cl. 524-109.000.
Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,850, Cl. 522-79.000.
Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,853, Cl. 523-136.000.
Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,880,855, Cl. 523-136.000.
Nelson, Linda H.; Avakian, Roger W.; and Factor, Arnold, 4,882,366, Cl. 523-136.000.
Neumann, Thomas W., 4,801,832, Cl. 310-216.000.
Neumann, Thomas W., 4,831,301, Cl. 310-216.000.
Nguyen, Van-Duc, 4,888,711, Cl. 364-522.000.
Nied, Herman F., 4,818,460, Cl. 264-310.000.
Nied, Herman F.; and Inzinna, Louis P., 4,838,974, Cl. 156-222.000.
Nonnweiler, Edward D.; and Leavell, Richard B., 4,847,765, Cl. 364-413.130.
Nossen, Edward J., 4,833,478, Cl. 342-435.000.
Nowak, David J., 4,858,128, Cl. 364-413.130.
Nowak, David J., 4,879,652, Cl. 364-413.180.
Nowogrodzki, Markus, 4,872,014, Cl. 342-351.000.
Oates, James H.; Liu, Lun K.; Sundaram, Swaminathan H.; and Tafarrodi, Hassanali, 4,805,457, Cl. 73-572.000.
O'Donnell, Matthew; and Magrane, Mark G., 4,809,184, Cl. 364-413.250.
O'Donnell, Matthew, 4,835,689, Cl. 364-413.250.
O'Donnell, Matthew; Engeler, William E.; Vogelsong, Thomas L.; Karr, Steven G.; and Noujaim, Sharbel E., 4,839,652, Cl. 341-122.000.
O'Donnell, Matthew, 4,886,069, Cl. 128-661.010.
Ore, Thomas G., 4,823,677, Cl. 91-49.000.
Ortiz, Angel L., Jr., 4,812,641, Cl. 250-205.000.
Osteen, Mitchell M., 4,839,565, Cl. 315-209.00R.
Osteen, Mitchell M.; and Halper, Warren, 4,866,582, Cl. 362-359.000.
Palmieri, Joseph M.; Castonguay, Roger N.; Arnold, David; and Morris, Robert A., 4,809,132, Cl. 361-353.000.
Pampalone, Thomas R.; Lee, Brian C.; and Douglas, Edward C., 4,810,619, Cl. 430-313.000.
Pankove, Jacques I., 4,803,528, Cl. 357-23.100.
Park, John N.; Steigerwald, Robert L.; and Schutten, Michael J., 4,876,635, Cl. 363-17.000.
Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., 4,855,806, Cl. 357-59.000.
Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., 4,889,411, Cl. 350-334.000.
Patsfall, Ralph E., 4,883,216, Cl. 228-119.000.
Pattanayak, Deva N.; and Baliga, Bantval J., 4,847,671, Cl. 357-38.000.
Pattanayak, Deva N.; and Baliga, Bantval J., 4,888,627, Cl. 357-23.400.
Paul, William C.; and Kimbel, Kirk L., 4,804,566, Cl. 428-35.000.
Payne, Thomas R., 4,816,647, Cl. 219-464.000.
Paynter, John; Gillooly, George R.; Soules, Thomas F.; and Hoffman, Mary V., 4,806,824, Cl. 313-486.000.
Pearson, Phil E., Jr.; and Collins, Arthur K., 4,839,805, Cl. 364-413.140.
Peascoe, Warren J., 4,831,082, Cl. 525-148.000.
Peil, William, 4,806,937, Cl. 342-175.000.
Peil, William; and Perkins, Donald W., 4,870,421, Cl. 342-175.000.
Peil, William, 4,885,671, Cl. 363-17.000.
Pelc, Richard E., 4,837,541, Cl. 335-300.000.
Pelc, Richard E.; and Stogner, William S., 4,848,103, Cl. 62-51.100.
Penney, Carl M.; and Corby, Nelson R., Jr., 4,830,485, Cl. 356-1.000.
Perkins, Roger J.; and Smith, Murray S., Jr., 4,842,953, Cl. 428-553.000.
Perry, Fred G., 4,868,885, Cl. 455-10.000.
Peters, Edward N.; and Schultz, Michael W., 4,837,299, Cl. 528-353.000.
Peters, Edward N., 4,845,158, Cl. 525-354.000.
Peterson, Jeffrey N.; and Frost, Robert T., 4,865,116, Cl. 164-466.000.
Pineo, Frederick J.; and Alvarez, Jose T., 4,815,928, Cl. 415-17.000.
Piper, William W., 4,812,017, Cl. 350-333.000.
Plunkett, Allan B., 4,814,677, Cl. 318-254.000.
Plus, Dora; and Stewart, Roger G., 4,833,644, Cl. 365-53.000.
Plus, Dora; and Ipri, Alfred C., 4,864,380, Cl. 357-42.000.
Plus, Dora; and Ipri, Alfred C., 4,872,141, Cl. 365-154.000.
Policastro, Peter P.; Hernandez, Pamela K.; and Davis, Mark W., 4,820,781, Cl. 525-431.000.
Policastro, Peter P.; Hernandez, Pamela K.; and Rich, Jonathan D., 4,826,916, Cl. 524-755.000.
Poling, Ronald W.; and Frank, James P., 4,835,348, Cl. 200-5.0EA.
Poux, Christopher J.; and Sinkus, Donald P., 4,806,070, Cl. 414-752.000.
Powell, John M.; and Bruck, Louis D., 4,881,315, Cl. 29-450.000.
Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,808,770, Cl. 174-68.500.
Prabhu, Ashok N.; Hang, Kenneth W.; and Boardman, Simon M., 4,810,420, Cl. 252-512.000.
Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,816,615, Cl. 174-68.500.
Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,874,550, Cl. 252-512.000.
Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,880,567, Cl. 252-512.000.
Premerlani, William J.; Musser, David R.; and Narendran, Paliath, 4,872,126, Cl. 364-578.000.
Pribis, Paul B.; and West, Herbert J., 4,827,586, Cl. 29-156.600.
Puckette, Charles M., IV; and Saulnier, Gary J., 4,888,557, Cl. 329-341.000.
Puerzer, Bernard G.; and Morse, Royal R., III, 4,858,112, Cl. 364-200.000.
Putatunda, Rathindra N.; Smith, David C.; and McNeary, Stephen A., 4,811,237, Cl. 364-491.000.
Putatunda, Rathindra N.; Smith, David C.; and McNeary, Stephen A., 4,815,003, Cl. 364-491.000.
Quick, Lee T.; and Steiner, Walter R., 4,868,771, Cl. 364-578.000.
Rai, Ghanshyam, 4,807,402, Cl. 51-293.000.
Raleigh, William J.; Doin, James E.; and Traver, Frank J., 4,859,529, Cl. 428-290.000.
Rasmussen, Neil S.; Szema, Li-Chieh; and Abuaf, Nesim, 4,875,339, Cl. 60-757.000.
Rate, Edward T., Jr.; Newman, John W.; and Meade, Robert W., 4,806,113, Cl. 439-190.000.
Raychaudhuri, Dipankar; and Joseph, Kuriacose, 4,841,527, Cl. 371-32.000.
Raymond, Eugene B.; and Proulx, Edward A., 4,854,216, Cl. 89-33.160.
Raymond, Eugene B., 4,882,972, Cl. 89-34.000.
Reed, Bradley O., 4,799,401, Cl. 74-677.000.
Reed, Bradley O., 4,803,897, Cl. 74-720.500.
Reed, Bradley O., 4,817,460, Cl. 74-687.000.
Reigel, James R.; Corsmeier, Robert J.; Bertke, James H.; and Lenahan, Dean T., 4,882,902, Cl. 60-39.750.
Reitmeier, Glenn A., 4,843,485, Cl. 360-9.100.
Remer, James N., 4,840,457, Cl. 350-255.000.
Reno, Charles W., 4,827,130, Cl. 250-332.000.
Rezvani, Behrooz, 4,799,016, Cl. 324-318.000.
Rice, Frank L.; and Kinny, David L., 4,869,231, Cl. 126-214.00R.
Rich, Jonathan D.; Policastro, Peter P.; and Hernandez, Pamela K., 4,795,680, Cl. 428-450.000.
Richardson, David L.; Clark, Jack P.; Smith, Thurman D.; and Perry, Richard W., 4,818,470, Cl. 376-245.000.
Richardson, David L.; Clark, Jack P.; Patterson, Peter M.; and Perry, Richard W., 4,826,650, Cl. 376-249.000.
Rink, Frederick J., Jr., 4,883,995, Cl. 310-55.000.
Roberts, Gerald E.; Toliver, Samuel; and Crescenzi, Robert J., 4,833,430, Cl. 333-191.000.

Roberts, Gerald E.; Staples, A. Gordon; and Toliver, Samuel, 4,839,618, Cl. 333-191.000.
Roberts, John J.; Stich, Richard A.; Powell, John M.; and Losert, Gerhard K., 4,815,685, Cl. 248-221.300.
Rock, John A., 4,816,527, Cl. 525-431.000.
Rock, John A., 4,871,817, Cl. 525-425.000.
Roemer, Peter B.; and Edelstein, William A., 4,825,162, Cl. 324-318.000.
Roemer, Peter B.; and Edelstein, William A., 4,871,969, Cl. 324-318.000.
Roemer, Peter B.; and Edelstein, William A., 4,879,515, Cl. 324-318.000.
Roemer, Peter B.; Bottomley, Paul A.; and Edelstein, William A., 4,885,539, Cl. 324-318.000.
Roemer, Peter B.; Edelstein, William A.; Hayes, Cecil E.; and Eash, Matthew G., 4,887,039, Cl. 324-322.000.
Roll, Kenneth A.; Davenport, John M.; and von Herrmann, Pieter J., 4,857,810, Cl. 315-194.000.
Rosen, Arye; and Lee, Chi H., 4,805,084, Cl. 363-147.000.
Rosenquist, Niles R., 4,814,395, Cl. 525-433.000.
Rosenquist, Niles R., 4,814,421, Cl. 528-198.000.
Rosenquist, Niles R., 4,826,928, Cl. 525-439.000.
Rosenquist, Niles R., 4,857,627, Cl. 528-199.000.
Rossi, Vito N., 4,805,354, Cl. 51-283.00E.
Roth, Robert H.; Lampsat, Bruno G.; and Readnour, Jack L., 4,832,568, Cl. 415-189.000.
Roy, Prodyot, 4,818,638, Cl. 429-20.000.
Roy, Prodyot, 4,833,046, Cl. 429-50.000.
Rumbaugh, James E., 4,821,210, Cl. 364-518.000.
Russell, Ronald R., 4,833,563, Cl. 361-92.000.
Russell, Ronald R., 4,858,056, Cl. 361-93.000.
Russell, Ronald R., 4,860,157, Cl. 361-156.000.
Saad, William T.; and Medford, George F., 4,800,127, Cl. 428-447.000.
Sable, Daniel M., 4,884,183, Cl. 363-41.000.
Sandrik, John M.; and Saunders, Rowland F., 4,852,139, Cl. 378-99.000.
Saulnier, Gary J.; Herrera, Randy G.; and Thiel, Timothy E., 4,878,029, Cl. 329-341.000.
Schade, Otto H., Jr., 4,864,379, Cl. 357-35.000.
Schissel, David N., 4,831,105, Cl. 528-204.000.
Schissel, David N.; Langer, Matthew E.; and Yeager, Gary W., 4,847,351, Cl. 528-193.000.
Schloss, Robert P., 4,839,884, Cl. 370-3.000.
Schoenig, Frederick C., Jr.; Walker, Edward S.; Cueman, Michael K.; Haughton, Robert A.; and Zuloaga, Jaime A., Jr., 4,857,260, Cl. 376-245.000.
Schultz, John, Jr., 4,855,550, Cl. 200-600.000.
Searl, Stephen, 4,838,026, Cl. 62-137.000.
Seimers, Paul A., 4,805,833, Cl. 228-190.000.
Shah, Manoj R., 4,843,271, Cl. 310-217.000.
Shannon, Thomas G.; and Brunelle, Daniel J., 4,888,411, Cl. 528-199.000.
Shea, Timothy J.; Campbell, John R.; White, Dwain M.; and Socha, Laura A., 4,814,392, Cl. 525-391.000.
Short, Stephen P., 4,867,694, Cl. 439-137.000.
Shwartzman, Stanley; and Leahy, Michael F., 4,818,334, Cl. 156-643.000.
Shyh-Chin, Huang; and Gigliotti, Michael F. X., Jr., 4,842,817, Cl. 420-418.000.
Siedlecki, Walter F., Jr.; and Horst, Kenneth R., 4,799,376, Cl. 73-29.000.
Siemers, Paul A., 4,805,294, Cl. 29-527.700.
Siemers, Paul A., 4,838,337, Cl. 164-46.000.
Silva, James M., 4,814,429, Cl. 528-371.000.
Simmons, John R., 4,813,229, Cl. 60-204.000.
Simoncic, Paul A.; and Steiner, Walter R., 4,825,400, Cl. 364-748.000.
Singh, Bawa; Arie, Yehuda; and Mesker, Ormond R., 4,830,702, Cl. 156-613.000.
Singh, Raj N.; and Gaddipati, Achuta R., 4,886,682, Cl. 427-56.100.
Singh, Raj N.; and Gaddipati, Achuta R., 4,889,686, Cl. 419-13.000.
Sivavec, Timothy M., 4,808,671, Cl. 525-397.000.
Skoda, George I., 4,81[illegible],697, Cl. 251-68.000.
Slutz, David E., 4,850,523, Cl. 228-121.000.
Smith, Kennith A.; and Haig, Connie L., 4,879,317, Cl. 521-82.000.
Smith, Lowell S.; Engeler, William E.; and O'Donnell, Matthew, 4,890,268, Cl. 367-138.000.
Smith, Pamela S.; and Smith, Peter H., deceased, 4,873,408, Cl. 219-10.55B.
Smith, Peter H., deceased, 4,825,028, Cl. 219-10.55B.
Smith, Peter H., deceased; Payne, Thomas R.; and Reising, Flavian, Jr., 4,835,353, Cl. 219-10.55B.
Smith, Peter H., deceased; and Reising, Flavian, Jr., 4,843,202, Cl. 219-10.55B.
Smith, Terrence R.; Isnardi, Michael A.; Fuhrer, Jack S.; and Patel, Chandrakant B., 4,862,271, Cl. 358-166.000.
Sogame, Akira, 4,802,114, Cl. 364-900.000.
Somers, Ralph M.; Alcoke, Ronald G.; and McDonnell, Robert L., 4,845,556, Cl. 358-101.000.
Sotak, Christopher H., 4,843,321, Cl. 324-309.000.
Stabile, Paul J.; Rosen, Arye; and Sterzer, Fred, 4,871,920, Cl. 250-551.000.
Stabile, Paul J., 4,872,039, Cl. 357-13.000.
Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
Steele, Douglas S.; Keaveney, John P.; and Oliver, David W., 4,809,314, Cl. 378-205.000.
Steele, Douglas S., 4,835,394, Cl. 250-385.100.
Steigerwald, Robert L., 4,796,173, Cl. 363-25.000.
Steigerwald, Robert L.; and Macdonald, Andrew J., 4,825,348, Cl. 363-17.000.
Steigerwald, Robert L., 4,845,605, Cl. 363-21.000.
Steigerwald, Robert L.; and Ngo, Khai D. T., 4,864,479, Cl. 363-17.000.
Stein, Judith; Leonard, Tracey M.; and Pratt, Sandra L., 4,814,368, Cl. 524-158.000.
Stein, Judith; Wengrovius, Jeffrey H.; Engle, Lori P.; Gross, David C.; and Hallgren, John E., 4,826,915, Cl. 524-731.000.
Stein, Judith, 4,855,351, Cl. 524-719.000.
Stein, Judith; and Leonard, Tracey M., 4,877,828, Cl. 524-728.000.
Stein, Judith; and Leonard, Tracey M., 4,888,382, Cl. 524-788.000.
Steinle, Shelton; Sturtz, John P.; Dayal, Yogeshwar; and Wimpee, Lealon C., 4,858,461, Cl. 73-23.000.
Stewart, Kevin R., 4,853,459, Cl. 528-371.000.
Stewart, Roger G.; and Plus, Dora, 4,872,002, Cl. 340-811.000.
Stewart, Wilber C., 4,804,253, Cl. 350-330.000.
Steyer, William, 4,864,819, Cl. 60-264.000.
Stich, Richard A., 4,829,653, Cl. 29-458.000.
Stokes, Vijay K., 4,801,834, Cl. 310-261.000.
Stokes, Vijay K., 4,835,840, Cl. 29-598.000.
Stokes, Vijay K.; and Inzinna, Louis P., 4,844,320, Cl. 228-102.000.
Stokes, Vijay K., 4,850,100, Cl. 29-596.000.
Stowell, William R., 4,842,477, Cl. 415-118.000.
Strok, Jack M., 4,868,457, Cl. 313-625.000.
Strolle, Christopher H.; Smith, Terrence R.; Roeder, Barbara J.; and Isnardi, Michael A., 4,816,899, Cl. 358-12.000.
Strong, Michael F., 4,840,459, Cl. 350-333.000.
Sybert, Paul D., 4,831,088, Cl. 525-396.000.
Sybert, Paul D., 4,845,160, Cl. 525-391.000.
Syed, Asif A., 4,829,813, Cl. 73-116.000.
Szczutkowski, Craig F.; Zinser, Richard L., Jr.; Kappagantula, Satish; and Peterson, Eugene H., III, 4,817,146, Cl. 380-48.000.
Takekoshi, Tohru; Anderson, Patricia P.; and Evans, Thomas L., 4,808,696, Cl. 528-353.000.
Tam, Kwok C., 4,866,614, Cl. 364-413.250.
Tam, Kwok C., 4,888,693, Cl. 364-413.160.
Taylor, Dale F., 4,863,685, Cl. 420-422.000.
Taylor, Dale F., 4,876,064, Cl. 420-422.000.
Temple, Victor A. K., 4,809,047, Cl. 352-23.400.
Temple, Victor A. K.; and Arthur, Stephen D., 4,814,283, Cl. 437-008.000.
Temple, Victor A. K., 4,816,892, Cl. 357-38.000.
Temple, Victor A. K., 4,821,095, Cl. 357-23.400.
Temple, Victor A. K., 4,857,977, Cl. 357-23.400.
Thomas, Charles E.; Bedard, James F.; Harris, Lawson P.; Wildes, Douglas G.; and Hayashi, Steven R., 4,806,914, Cl. 340-680.000.
Thomas, Charles E.; Lee, Minyoung; and Wildes, Douglas G., 4,831,365, Cl. 340-680.000.
Thomas, Charles E., 4,849,741, Cl. 340-683.000.
Thomas, Charles E., 4,853,680, Cl. 340-680.000.
Thomas, Lewis J., III; Gilmore, Robert S.; and Glascock, Homer H., II, 4,825,117, Cl. 310-346.000.
Thomas, Sherman G., 4,840,586, Cl. 439-680.000.
Thompson, Robert A., 4,805,429, Cl. 72-53.000.
Thompson, Robert A., 4,848,123, Cl. 72-53.000.
Thompson, Robert A., 4,860,500, Cl. 51-165.770.
Thompson, Robert A., 4,873,855, Cl. 72-53.000.
Thrift, Robert L.; and Morris, Paul K., 4,885,549, Cl. 324-307.000.
Tiearney, Thomas C., Jr.; Love, William D.; and Moorman, David K., 4,802,196, Cl. 378-143.000.
Tiemann, Jerome J., 4,823,230, Cl. 361-283.000.
Ting, Sai-Pei, 4,831,079, Cl. 525-71.000.
Ting, Sai-Pei, 4,882,383, Cl. 525-71.000.
Toda, Minoru, 4,813,047, Cl. 372-38.000.
Toda, Minoru, 4,849,981, Cl. 372-38.000.
Toma, Daniel N.; and Mitchell, Thomas P., 4,817,297, Cl. 34-133.000.
Toma, Daniel N., 4,817,298, Cl. 34-133.000.
Torossian, Kevork A.; Heisler, Ralph T.; and Cox, Frederick E., 4,803,028, Cl. 264-263.000.
Toutant, Roy T.; Motley, Richard M.; and Perry, David S., 4,828,887, Cl. 427-424.000.
Toutant, Roy T.; Perry, David S.; Brennan, Michael A.; Kreko, James E.; and Dilk, Mark A., 4,878,368, Cl. 72-9.000.
Traver, Frank J., 4,888,384, Cl. 524-862.000.
True, Thomas T.; and Good, William E., 4,802,735, Cl. 350-162.120.
Tyrell, John A.; and McCready, Russell J., 4,861,862, Cl. 528-322.000.
Tyrell, John A.; and Wallace, Lawrence R., 4,882,375, Cl. 524-161.000.
Uriarte, Richar J.; and Gross, David C., 4,808,634, Cl. 521-87.000.
Vallance, Michael A.; Tomkinson-Walles, Gayle D.; and Johnson, Roger N., 4,865,787, Cl. 264-101.000.
Valosen, Charles J., 4,816,617, Cl. 174-86.000.
Vandegraaf, Johannes J., 4,864,257, Cl. 332-125.000.

Vandegraaf, Johannes J., 4,866,404, Cl. 332-127.000.
van der Meer, Roelof, 4,822,837, Cl. 524-153.000.
van der Meer, Roelof; and Yates, John B., III, 4,888,397, Cl. 525-391.000.
van der Meer, Roelof F.; and Avakian, Roger W., 4,857,575, Cl. 524-398.000.
VanDusen, Morris V.; VanSchaick, Thomas E.; and Tribley, Ronald W., 4,862,956, Cl. 165-170.000.
van Raalte, John A., 4,798,448, Cl. 350-345.000.
Van Sant, Glen J., 4,856,871, Cl. 350-253.000.
Vdoviak, John W.; and Lamando, Chester J., Jr., 4,833,881, Cl. 60-261.000.
Vdoviak, John W., 4,887,425, Cl. 60-261.000.
Venkataraman, Krishnan; and Balch, Richard A., 4,862,493, Cl. 379-107.000.
Vermilyea, Mark E., 4,853,663, Cl. 335-301.000.
Vermilyea, Mark E., 4,876,413, Cl. 174-15.400.
Vinson, John W.; Howell, Stephen J.; and Lampes, Elias H., 4,854,127, Cl. 60-742.000.
Wacker, Thomas P.; and Zabinski, Raymond J., 4,857,562, Cl. 522-31.000.
Wade, Robert J., 4,826,720, Cl. 428-209.000.
Wallace, David A., 4,807,495, Cl. 74-844.000.
Walles, Erik W.; Crivello, James V.; and Lupinski, John H., 4,842,800, Cl. 264-272.130.
Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853,423, Cl. 523-428.000.
Walter, James M.; Jonnalagadda, Krishnamurthy; and Flory, Robert E., 4,879,606, Cl. 358-330.000.
Wang, Weiping, 4,833,617, Cl. 364-474.150.
Webster, Harold F., 4,796,156, Cl. 361-386.000.
Webster, Harold F.; and Quine, John P., 4,831,497, Cl. 361-406.000.
Wei, Ching-Yeu; and Pimbley, Joseph M., 4,859,620, Cl. 437-44.000.
Weir, Kenneth A., 4,814,982, Cl. 364-200.000.
Weiss, Herbert W., 4,873,478, Cl. 318-779.000.
Weiss, Kurt A., 4,816,515, Cl. 525-68.000.
Welles, Kenneth B., II; Noujaim, Sharbel E.; Vogelsong, Thomas L.; and Karr, Steven G., 4,796,236, Cl. 367-7.000.
Wengrovius, Jeffrey H.; Hallgren, John E.; Stein, Judith; and Lucas, Gary M., 4,863,992, Cl. 524-731.000.
Whalen, David; and Jalbert, Ronald L., 4,855,357, Cl. 525-67.000.
White, David W.; Muncy, Donald G.; and Schoenig, Frederick C., Jr., 4,869,865, Cl. 376-260.000.
White, Dwain M.; and Socha, Laura A., 4,806,602, Cl. 525-397.000.
White, Dwain M.; and Socha, Laura A., 4,855,483, Cl. 560-66.000.
White, Lawrence K.; and Brown, Richard, 4,810,617, Cl. 430-272.000.
Wildi, Eric J.; and Chow, Tat-Sing P., 4,862,242, Cl. 357-48.000.
Wilkinson, Stanley B., 4,819,119, Cl. 361-76.000.
Wilkinson, Stanley B., 4,821,137, Cl. 361-80.000.
Wilkinson, Stanley B., 4,825,323, Cl. 361-65.000.
Wilkinson, Stanley B., 4,873,602, Cl. 361-78.000.
Wille, Douglas A.; Kurmer, John P.; and Rosen, Arye, 4,825,081, Cl. 250-551.000.
Witting, Harald L., 4,871,946, Cl. 315-248.000.
Witting, Harald L., 4,890,042, Cl. 315-248.000.
Wojciechowski, Charles R.; Steele, Douglas S.; and Scudder, Henry J., III, 4,802,195, Cl. 378-58.000.
Wojnar, Jeffrey S.; and McCusker, Joseph H., 4,855,872, Cl. 361-414.000.
Wojnarowski, Robert J.; and Eichelberger, Charles W., 4,842,677, Cl. 156-643.000.
Wood, John H.; and Haydon, John S., 4,810,467, Cl. 420-448.000.
Woods, Daniel C.; and Efferson, Kenneth R., 4,872,322, Cl. 62-51.100.
Wroczynski, Ronald J., 4,822,836, Cl. 524-139.000.
Yassa, Fathy F.; and Thompson, Barbara A., 4,862,098, Cl. 329-50.000.
Yassa, Fathy F., 4,888,719, Cl. 364-721.000.
Yates, John B., III, 4,816,510, Cl. 524-449.000.
Yates, John B., III; and White, Dwain M., 4,859,739, Cl. 525-92.000.
Yates, John B., III, 4,889,889, Cl. 525-92.000.
Yeager, Gary W.; White, Dwain M.; Factoe, Arnold; Factir Arnold; Haaf, William R.; and Haaf, William R., 4,863,984, Cl. 524-157.000.
Yeager, Gary W., 4,863,998, Cl. 525-132.000.
Yeager, Gary W.; and Schissel, David N., 4,873,371, Cl. 568-33.000.
Yerman, Alexander J., 4,809,135, Cl. 361-404.000.
Yerman, Alexander J.; and Neugebauer, Constantine A., 4,816,422, Cl. 437-051.000.
Yerman, Alexander J., 4,824,716, Cl. 428-209.000.
Yerman, Alexander J., 4,829,014, Cl. 437-8.000.
Yilmaz, Hamza; Wrathall, Robert S.; Chang, Mike F.; and Hodgins, Robert G., 4,795,716, Cl. 437-27.000.
Yilmaz, Hamza, 4,809,045, Cl. 357-23.400.
Yilmaz, Hamza, 4,860,080, Cl. 357-48.000.
Young, Glen C., 4,806,833, Cl. 318-335.000.
Yu, Yuet-Ying; Morris, Robert A.; Rajotte, Paul T.; and Wambolt, Lee A., 4,831,221, Cl. 200-553.000.
Zweben, Carl H.; Mogle, Rodman A.; Rodini, Benjamin T., Jr.; and Thaw, Charles L., 4,888,247, Cl. 428-105.000.

General Electric Company p.l.c., The: *See*—
  Arambepola, Bernard, 4,879,559, Cl. 342-25.000.
  Baxter, Ivor R., 4,798,947, Cl. 250-201.000.
  Bennett, Frank C.; and Miller, Clive W., 4,864,311, Cl. 342-368.000.
  Burt, David J.; and Bell, Raymond T., 4,811,106, Cl. 358-213.260.
  Clark, Michael G.; Mosley, Alan; Bowry, Carolyn; and Nicholas, Beatrice M., 4,832,462, Cl. 350-350.00S.
  Clark, Michael G.; and Wiltshire, Michael C., 4,861,992, Cl. 250-316.100.
  Couch, Nigel R.; Kelly, Michael J.; and Beton, Peter H., 4,801,982, Cl. 357-3.000.
  Dekker, Nicolaas M. J.; Edwards, John W.; and James, Adrian W., 4,876,722, Cl. 381-71.000.
  Edwards, Philip J., 4,837,425, Cl. 235-457.000.
  Garrood, David; Crawshaw, Roger; Henderson, Ian; and Dutton, Frank A., 4,833,484, Cl. 343-781.0CA.
  Heard, Maurice C., 4,797,640, Cl. 332-7.510.
  Hilsum, Cyril; Van Ewyk, Robert L.; and O'Connor, Ingrid M., 4,838,662, Cl. 350-350.00F.
  Jackson, Michael C., 4,797,844, Cl. 364-724.010.
  Kidd, Jonathan, 4,828,877, Cl. 427-96.000.
  Lane, Charles H. R., 4,815,827, Cl. 350-347.00V.
  Langdon, Roger M.; and Smith, Cyril, 4,887,033, Cl. 324-253.000.
  Laycock, Leslie C., 4,836,658, Cl. 350-384.000.
  Lee, Rosemary A.; and Cade, Neil A., 4,827,177, Cl. 313-306.000.
  McCrindle, John A.; Steiner, Antony F.; and Jackson, Andrew M., 4,845,347, Cl. 235-380.000.
  McGlade, Stuart M., 4,806,760, Cl. 250-330.000.
  Meakin, Douglas B.; and Migliorato, Piero, 4,880,753, Cl. 437-41.000.
  Migliorato, Piero; and Clark, Michael G., 4,834,505, Cl. 350-333.000.
  Milverton, David R. J.; and Girling, Ian R., 4,818,616, Cl. 428-411.100.
  Pearce, Timothy H. B., 4,890,107, Cl. 341-156.000.
  Reeve, Peter J., 4,847,769, Cl. 364-424.020.
  Rogers, Neville, 4,833,932, Cl. 74-5.100.
  Skinner, Jeffrey D.; and McCormack, John S., 4,828,362, Cl. 350-320.000.
  Smith, Arthur R., 4,812,135, Cl. 439-493.000.
  Van Ewyk, Robert L.; O'Connor, Ingrid M.; Mosley, Alan; Jones, Francis; Blackburn, Christopher; and Griffiths, John, 4,838,659, Cl. 350-337.000.
General Electric Corporation: *See*—
  Ranjan, Radhakrishnan; and Lazenby, William E., 4,807,082, Cl. 361-104.000.
General Electric Environmental Services, Inc.: *See*—
  Gal, Eli, 4,857,285, Cl. 423-230.000.
General Electrodynamics Corporation: *See*—
  Davis, Dick E.; Brazell, Charles R.; and Johnston, Jerome E., 4,836,308, Cl. 177-25.140.
General Electronic Engineering, Inc.: *See*—
  Piegari, William A., 4,845,380, Cl. 307-149.000.
General Engineering (Netherlands) B.V.: *See*—
  Haland, Lars Y.; and Karlin, Mats A., 4,832,280, Cl. 242-107.000.
General Environmental Science: *See*—
  Wong, John M.; and Lowe, Thomas J., 4,882,059, Cl. 210-606.000.
General Environmental Technologies Limited: *See*—
  Copson, Alexander G.; and Baig, Mirza N., 4,829,923, Cl. 114-27.000.
General Felt Industries, Inc.: *See*—
  Napoleon, David P.; and Centofanti, Salvatore J., 4,797,977, Cl. 19-97.000.
General Foods Corp.: *See*—
  Barnett, Ronald E.; and Yarger, Ronald G., 4,871,570, Cl. 426-535.000.
  Benjamin, Earl J.; Ke, Charles H.; Hynson, Richard B.; and Hsu Chi Ming L., 4,847,104, Cl. 426-549.000.
  Bolles, Albert D.; Spradlin, Joseph E.; and Carpenter, Thomas L., 4,834,989, Cl. 426-28.000.
  Boniello, Barbara; Gum Jr., Ernest; Scarpellino, Richard; Doonan Barbara; Patterson, John; and Bertkau, Geoffrey, 4,867,992, Cl. 426-45.000.
  Boyle, Peter C.; Steffen, Daniel G.; Melton, John L.; Coccodrilli Gus D., Jr.; and Nagy, Michael A., 4,874,606, Cl. 426-74.000.
  Carpenter, Thomas L.; Fisher, William; and Smith, Thomas A., 4,880,645, Cl. 426-89.000.
  Cochran, Stuart A.; Benjamin, Earl J.; Crocker, Mary E.; Seidel William C.; and Cipriano, Vicki L., 4,885,180, Cl. 426-241.000.
  Cunningham, Colin W.; Malits, Steven J.; and Bertalan, Charles W., 4,869,917, Cl. 426-576.000.
  Davis, Charles W., Jr.; Fairchild, Charles L.; Folkers, Joanne Marie-Colletti; and Kendall, Robert C., 4,830,870, Cl. 426-599.000.
  DiGiovacchino, David J.; Carlson, Richard A.; Jonas, Rodger H. and Marion, Sheila, 4,800,096, Cl. 426-577.000.
  Evans, David N.; Fairchild, Charles L.; Kramer, Karl C.; Sprull John C.; Wansor, Gerard J.; and Wood, Robert W., 4,797,29 Cl. 426-330.300.
  Goers, Steven K.; Ghossi, Parviz; Patterson, John T.; and Young Cynthia L., 4,806,379, Cl. 426-650.000.
  Griffin, Joseph J.; Reisinger, Debra H.; Smagula, Michael S.; and Tancredi, Michael R., 4,832,976, Cl. 426-660.000.
  Katcher, Jay H.; Mabon, John T.; Matherly, Jennifer W.; McCarty Lawrence T.; and Schara, Robert E., 4,871,398, Cl. 127-71.000.
  Katz, Saul N., 4,820,537, Cl. 426-481.000.

  Kearns, Joyce M.; and Scarpellino, Richard, 4,795,649, Cl. 426-243.000.
  Kenyon, Maynard A., 2nd, 4,813,559, Cl. 215-230.000.
  Kenyon, Maynard A., 2nd, 4,832,201, Cl. 206-515.000.
  Lee, Thomas D., 4,849,541, Cl. 560-169.000.
  McCullough, Nancy J.; Schukman, Jacob E.; and Powers Phillip G., 4,878,422, Cl. 99-323.400.
  McGuire, Michael; DiGiacomo, Ralph; Palmer, Marcia; and Liggett, Louis, 4,876,104, Cl. 426-57.000.
  Parliment, Thomas H.; Cipriano, Joseph J.; and Scarpellino, Richard, 4,857,340, Cl. 426-96.000.
  Saleeb, Fouad Z.; and Pickup, John G., 4,820,534, Cl. 426-96.000.
  Schara, Robert E.; and Katcher, Jay H., 4,847,371, Cl. 536-111.000.
  Schulman, Marvin; Hannah, Harry; Stevenson, Richard B.; and Case, Gerald P., 4,820,538, Cl. 426-533.000.
  Scoville, Eugene; Turek, Evan J.; Wragg, Anthony; Cuozzo, Karlina D.; and Rankowitz, Marshall M., 4,798,730, Cl. 426-432.000.
  Seneau, Bernard, 4,839,178, Cl. 426-19.000.
  Seneau, Bernard, 4,861,601, Cl. 426-19.000.
  Shenouda, Soliman; Clausi, Adolph; Rogers, Ann M.; and El-Hag, Nabil, 4,814,193, Cl. 426-321.000.
  Stoeckli, Oscar W.; and Berry, David J., 4,871,564, Cl. 426-388.000.
  Vietrogoski, Charles J.; Coker, Guy C.; and Obarowski, Richard, 4,833,959, Cl. 83-404.200.
  Willey, Monroe J.; and Evert, Daniel D., 4,886,170, Cl. 206-609.000.
  Zanno, Paul R.; Barnett, Ronald E.; and Roy, Glenn M., 4,822,635, Cl. 426-3.000.
General Foods Inc.: *See*—
  Abraham, Thomas E.; Malfait, Jacque L.; and White, Arnold J., 4,857,348, Cl. 426-462.000.
  Jackson, Miles, 4,854,722, Cl. 366-341.000.
General Foods Limited: *See*—
  Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Newman, Alec T., 4,853,234, Cl. 426-77.000.
  Griffin, Christopher; and Kay, Peter, 4,821,884, Cl. 206-557.000.
  Newman, Alec T.; Rhodes, David; and Lack, Bryan C., 4,832,202, Cl. 206-519.000.
  Newman, Alec T.; Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Gibbs, Andrew R., 4,873,915, Cl. 99-289.00R.
General Hospital Corporation, The: *See*—
  Bellet, Dominique; Wands, Jack R.; and Ozturk, Mehmet, 4,804,626, Cl. 435-7.000.
  Codington, John F., 4,837,171, Cl. 436-548.000.
  Davey, John R.; and Harris, William H., 4,860,735, Cl. 128-92.00V.
  Goldman, Mark, 4,859,450, Cl. 424-9.000.
  Haber, Edgar; Mudgett-Hunter, Meredith; and Margolies, Michael, 4,803,167, Cl. 435-240.270.
  Lauffer, Randall B., 4,880,008, Cl. 128-654.000.
  Nathanson, James A., 4,883,801, Cl. 514-263.000.
  Neer, Robert M.; Potts, John T., Jr.; and Slovik, David M., 4,833,125, Cl. 514-12.000.
  Newbower, Ronald S., 4,817,624, Cl. 128-692.000.
  Schoemaker, Hubert J. P.; Wands, Jack R.; Westrick, Barbara L.; and Zurawski, Vincent R., Jr., 4,837,167, Cl. 436-513.000.
  Wands, Jack; and Shafritz, David, 4,870,026, Cl. 436-548.000.
  Wands, Jack R.; Zurawski, Vincent R., Jr.; and Schoemaker, Hubert J. P., 4,879,219, Cl. 435-7.000.
  Watson, Graham; and Furumoto, Horace, 4,887,600, Cl. 606-128.000.
General Housewares Corporation: *See*—
  Levinson, Melvin L., 4,880,951, Cl. 219-10.55E.
  Samford, Dean A., 4,871,892, Cl. 219-10.55E.
General Ideas & Products Ltd.: *See*—
  Gross, Joseph; Lowenstein, David; Tilman, Menachem; Rosenberg, Etan; and Orian, Amelia, 4,794,830, Cl. 81-466.000.
  Gross, Joseph; Lowenstein, David; Tilman, Menachem; and Rosenberg, Etan, 4,858,690, Cl. 128-65.000.
General Instrument Corporation: *See*—
  Bennett, Christopher J.; Harding, Michael V.; and Moroney, Paul, 4,864,615, Cl. 380-21.000.
  Brown, David S., 4,860,353, Cl. 380-44.000.
  Campbell, John G.; Schoeneberger, Carl F.; Bundens, Allan B.; Fogle, Richard M.; and Lemburg, John R., 4,862,268, Cl. 358-141.000.
  Einthoven, Willem G., 4,859,621, Cl. 437-45.000.
  George, Ashok K., 4,823,399, Cl. 455-192.000.
  Griffin, John; Grubb, David; and Glaab, Joseph, 4,815,129, Cl. 380-15.000.
  Horne, Donald R.; and Jeffers, John M., 4,803,725, Cl. 380-44.000.
  Korwin-Pawlowski, Michael, 4,829,406, Cl. 357-72.000.
  Krause, Edward A., 4,881,125, Cl. 358-141.000.
  Marz, Daniel, 4,816,781, Cl. 332-19.000.
  Marz, Daniel J.; and Schilling, John D., 4,814,887, Cl. 358-195.100.
  Paik, Woo H.; Fong, William; Goerge, Ashok K.; and McCormick, John E., 4,888,592, Cl. 342-359.000.
  Rich, David; Staley, Peter; and Coyne, David, 4,796,004, Cl. 341-143.000.
  Robbins, Clyde, 4,821,097, Cl. 358-143.000.
  Schoeneberger, Carl F.; and Bundens, Allan B., 4,860,379, Cl. 455-5.000.
  Silverman, Lawrence H.; Teague, Randy; and Kaminsky, Richard, 4,799,034, Cl. 333-202.000.
  Silverman, Lawrence H.; and Siddiqi, Shakeel, 4,868,579, Cl. 343-895.000.
  Teague, Randy; and Weinstein, Michael E., 4,825,177, Cl. 330-295.000.
  Van Cleave, James, 4,864,613, Cl. 380-10.000.
  Wachob, David E., 4,841,569, Cl. 380-7.000.
General Kap Corporation: *See*—
  Csaszar, Edward F., 4,848,614, Cl. 215-252.000.
General Kinematics Corporation: *See*—
  Bond, Robert, 4,860,816, Cl. 164-154.000.
  Kraus, Richard B., 4,844,236, Cl. 198-690.200.
  Mathis, Oscar, 4,846,676, Cl. 432-77.000.
  Musschoot, Albert, 4,842,124, Cl. 198-360.000.
  Musschoot, Albert, 4,858,749, Cl. 198-756.000.
  Musschoot, Albert, 4,859,070, Cl. 366-114.000.
  Sherman, Raymond W., 4,844,235, Cl. 198-688.100.
General Machine Design, Inc.: *See*—
  Cornacchia, Vincent, 4,798,278, Cl. 198-399.000.
General Maintenance Company, Inc.: *See*—
  Widerman, John W., Jr., 4,853,042, Cl. 134-6.000.
General Microwave Corporation: *See*—
  Herstein, Dov, 4,810,981, Cl. 333-27.000.
General Mills, Inc.: *See*—
  Anderson, David S.; and Geddis, Michael E., 4,887,718, Cl. 206-611.000.
  Fan, Steve T., 4,883,674, Cl. 426-118.000.
  Greenberg, Norman A.; Chandan, Ramesh C.; Deeslie, William D.; and Conolly, Daniel D., 4,840,813, Cl. 426-565.000.
  Jackson, Glenn M.; and Roufs, John G., 4,857,353, Cl. 426-554.000.
  Langler, James E., 4,847,098, Cl. 426-102.000.
  Langler, James E., 4,853,236, Cl. 426-102.000.
  Lioutas, Theodore S., 4,832,969, Cl. 426-270.000.
  Marschner, Steven S.; and Fine, Jeffrey B., 4,804,555, Cl. 426-601.000.
  Maxwell, Holly; and Petersen, Warren D., 4,864,090, Cl. 219-10.55E.
  Maxwell, Holly A.; and Esse, Robert L., 4,851,246, Cl. 426-107.000.
  McDonald, Duane L.; and Brown, Lynn H., 4,870,233, Cl. 219-10.55E.
  Seaborne, Jonathan; and Borek, James R., 4,806,718, Cl. 219-10.55E.
  Seaborne, Jonathan, 4,808,780, Cl. 219-10.55E.
  Seaborne, Jonathan; and Egberg, David C., 4,810,534, Cl. 427-384.000.
  Seaborne, Jonathan, 4,810,845, Cl. 219-10.55E.
  Seaborne, Jonathan, 4,818,831, Cl. 219-10.55E.
  Seaborne, Jonathan; and Ebgerg, David C., 4,820,533, Cl. 426-76.000.
  Seaborne, Jonathan, 4,825,024, Cl. 219-10.55E.
  Seaborne, Jonathan, 4,861,614, Cl. 426-619.000.
  Seaborne, Jonathan; and Egbert, David C., 4,874,618, Cl. 426-76.000.
  Sweatt, Blaine, III; and Moorman, Stephen E., 4,801,077, Cl. 229-113.000.
General Mining Union Corporation Limited: *See*—
  Lenzen, Dieter; and Bechem, Philip, 4,815,543, Cl. 175-350.000.
  Van Rensburg, Carl S. J.; and Van Der Walt, Johannes, 4,805,415, Cl. 62-260.000.
General Motor Corporation: *See*—
  Campbell, Adrian D.; and Rank, William E., 4,882,805, Cl. 16-93.00R.
  Reddy, S. Raghuma, 4,886,096, Cl. 141-45.000.
General Motors Corporaion: *See*—
  Edgecomb, Robert K.; Rose, Maurice T.; and Smith, Rodney B., 4,842,010, Cl. 137-343.000.
General Motors Corporation: *See*—
  Abu-Isa, Ismat A.; Eusebi, Elio; Jaynes, Craig B.; Moran, Susan C.; and Roy, Michael A., 4,842,257, Cl. 267-133.000.
  Abu-Isa, Ismat A.; Eusebi, Elio; and Jaynes, Craig B., 4,845,169, Cl. 525-444.000.
  Abu-Isa, Ismat A.; Jaynes, Craig B.; and Larson, Arthur L., 4,869,554, Cl. 297-452.000.
  Agarwal, Paul D.; and Kade, Alexander, 4,807,134, Cl. 364-426.020.
  Allen, Alfred M., 4,882,658, Cl. 362-61.000.
  Allen, John J., 4,846,526, Cl. 297-378.000.
  Anderson, Robert L.; and Parks, John E., 4,828,440, Cl. 411-85.000.
  Anderson, Russell C., Jr., 4,796,896, Cl. 277-181.000.
  Antrim, Marcus L., 4,860,175, Cl. 362-65.000.
  Appleby, John M.; Bolsworth, James; and Wilson, Charles M., 4,872,366, Cl. 74-501.600.
  Armstrong, Douglas C., 4,881,453, Cl. 92-84.000.
  Arnold, Philip D.; and Kaywood, Roy G., 4,835,832, Cl. 29-523.000.
  Arnold, Philip D.; and Kaywood, Roy G., 4,841,627, Cl. 29-720.000.
  Baker, James A., 4,836,584, Cl. 285-351.000.
  Baker, James A., 4,866,994, Cl. 73-863.120.
  Bandyopadhyay, Pulak; Blaser, Dwight A.; Kaminski, Brian D.; and Lee, Yong H., 4,845,763, Cl. 382-8.000.
  Barker, Charles A.; and Ladd, Barry L., 4,850,829, Cl. 418-15.000.
  Bates, Joseph A.; Koontz, James M., Jr.; and Garner, John D., 4,830,417, Cl. 293-134.000.
  Bausch, Paul, 4,861,005, Cl. 267-140.100.
  Bausch, Paul, 4,881,724, Cl. 267-64.230.
  Bausch, Paul, 4,881,749, Cl. 280-95.100.

Bayba, Richard, 4,825,167, Cl. 324-399.000.
Baynes, Dennis, 4,796,930, Cl. 292-58.000.
Baynes, Dennis, 4,810,012, Cl. 292-28.000.
Baynes, Dennis, 4,858,489, Cl. 74-547.000.
Baynes, Dennis, 4,860,423, Cl. 29-434.000.
Beamer, Henry E.; and Buchanan, William J., 4,881,594, Cl. 165-173.000.
Beardmore, John M.; and Cafeo, John A., 4,852,527, Cl. 123-96.000.
Beauch, Howard D.; Everett, Benjamin H., II; and Arndt, Frederick P., 4,805,476, Cl. 74-473.0SW.
Beauch, Howard D., 4,805,478, Cl. 74-492.000.
Beauch, Howard D.; and Olgren, Leland N., 4,867,003, Cl. 74-492.000.
Beer, Wilhelm; and Monetha, Eugen, 4,827,788, Cl. 74-422.000.
Bell, Albert H., III, 4,825,645, Cl. 60-39.161.
Bell, Albert H., III, 4,862,949, Cl. 165-9.000.
Benedict, Robert B., 4,798,564, Cl. 474-134.000.
Bensing, Gregory L.; Gladd, Joseph H.; and Yurtin, John A., 4,874,325, Cl. 439-272.000.
Bensing, Gregory L.; Nadasky, Thomas M.; and Wright, Raymond C., 4,884,980, Cl. 439-606.000.
Bering, Anton J.; and Hildebrandt, William V., 4,860,409, Cl. 24-289.000.
Bhagat, Jayant K., 4,861,731, Cl. 437-51.000.
Birsching, Joel E., 4,836,566, Cl. 280-91.000.
Bish, James R.; McCartney, Charles P., Jr.; and Meadows, Clarence A., 4,800,142, Cl. 429-130.000.
Bitter, Rudolf; and Senff, Gunter, 4,886,020, Cl. 123-52.00M.
Blake, Thomas B.; and Kurtti, Gary R., 4,815,674, Cl. 242-107.40R.
Blasko, Raymond J., 4,888,453, Cl. 174-135.000.
Blodgett, Mark S.; Ross, Robert C.; and Cline, Allen W., 4,846,482, Cl. 277-235.00B.
Bojanowski, Gerald M.; and Smith, David W., 4,850,444, Cl. 180-68.100.
Booth, Thomas L.; and Schlaps, Edgar H., 4,829,174, Cl. 250-221.000.
Borlinghaus, Hans J.; and Orlowsky, Michael G., 4,832,409, Cl. 297-468.000.
Borlinghaus, Hans J.; and Orlowsky, Michael G., 4,881,781, Cl. 297-473.000.
Borlinghaus, Hans J.; Orlowsky, Michael G.; Goodbred, Neil G.; Humer, Mladen; and Cooper, Steven J., 4,881,827, Cl. 384-47.000.
Bradbury, James W., 4,826,249, Cl. 297-452.000.
Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens. George T.; and Marsh, Richard A., 4,828,082, Cl. 192-3.300.
Brantley, Randall F.; and McVey, Harry D., 4,861,687, Cl. 429-187.000.
Braun, Charles W.; Fornuto, Joseph; and Palmer, Dwight O., 4,805,582, Cl. 123-568.000.
Breda, Michael A.; and Snyder, George K., 4,860,421, Cl. 29-157.30A.
Brewer, Earl G.; and Lee, Robert W., 4,859,410, Cl. 419-10.000.
Brewer, Earl G.; Lee, Robert W.; and Croat, John J., 4,881,985, Cl. 148-103.000.
Brittin, Craig E., 4,804,128, Cl. 228-217.000.
Brittin, Craig E., 4,886,449, Cl. 432-121.000.
Brooks, Vincent L., 4,832,401, Cl. 297-284.000.
Brown, David L.; Crandall, James A.; and Gilliard, Brian A., 4,866,883, Cl. 49-502.000.
Browne, Alan L., 4,886,295, Cl. 280-777.000.
Buchanan, H. Charles, Jr.; and Wainwright, Richard E., 4,823,058, Cl. 318-443.000.
Buetemeister, Earl H., 4,829,228, Cl. 322-27.000.
Bullock, Benton L., 4,841,816, Cl. 74-866.000.
Buschur, Jeffrey J.; Paulick, David R.; and Schoen, Roy C., 4,798,102, Cl. 74-600.000.
Butcher, James D.; and Bastien, Eugene R., 4,867,398, Cl. 248-27.300.
Butts, Kenneth R.; and Wanamaker, Joseph L., 4,796,490, Cl. 74-866.000.
Butts, Kenneth R.; and Wanamaker, Joseph L., 4,796,853, Cl. 251-129.050.
Cameron, David S., 4,826,204, Cl. 280-698.000.
Chandley, George D., 4,858,672, Cl. 164-63.000.
Chandley, George D., 4,862,946, Cl. 164-63.000.
Chandley, George D., 4,874,029, Cl. 164-34.000.
Chapman, Walter C., 4,851,742, Cl. 318-286.000.
Cho, Byong K.; and Stock, Christopher J., 4,839,146, Cl. 423-213.500.
Choly, Mitchell; Zuccaro, Dante C.; and McCurdy, Frederick A., 4,809,747, Cl. 137-614.060.
Christian, Robert L., 4,881,563, Cl. 134-166.00C.
Claude, George T., 4,805,868, Cl. 248-603.000.
Compeau, David E.; Rogers, Lloyd W.; Pyszel, Ronald J.; and Chapman, Walter C., 4,823,059, Cl. 318-454.000.
Compeau, David E.; and Rogers, Lloyd W., 4,850,140, Cl. 49-347.000.
Compeau, David E.; Rogers, Lloyd W.; and Myslicki, Robert J., 4,861,089, Cl. 296-76.000.
Compeau, David E.; and Priest, William L., 4,869,537, Cl. 292-341.180.
Compeau, David E.; Manuel, Mark; and Rogers, Lloyd W., Jr., 4,875,723, Cl. 292-201.000.
Conn, Francis E., 4,870,817, Cl. 60-39.141.
Copp, Douglas M., 4,886,146, Cl. 188-2.00D.
Corkin, William R.; and Bedi, Ram D., 4,885,927, Cl. 72-342.000.
Corrigan, Dennis A., 4,882,024, Cl. 204-242.000.
Croat, John J., 4,802,931, Cl. 148-302.000.
Croat, John J., 4,851,058, Cl. 148-302.000.
Curfman, William A., 4,824,628, Cl. 264-225.000.
Cwycyshyn, Walter; and Kudwa, Frank J., 4,860,864, Cl. 192-56.00R.
Cyr, Richard A.; and Raley, Ronald J., 4,886,310, Cl. 292-336.300.
Dalo, Dominic N., 4,881,312, Cl. 29-157.30C.
Detloff, Clement A.; and Detloff, Kirk C., 4,865,386, Cl. 297-375.000.
Dinger, Bruce R.; McClanahan, Mark R.; Quinn, David B.; and Kennard, Frederick, 4,860,499, Cl. 51-165.740.
Doherty, Paul D.; Tackett, Timothy N.; and Gavin, Lawrence R., 4,886,466, Cl. 439-191.000.
Doller, John S.; and Lederman, Frederick E., 4,850,464, Cl. 192-45.000.
Dorshimer, Glenn E., 4,881,777, Cl. 297-406.000.
Dorski, Ronald L., 4,832,573, Cl. 416-241.00A.
Duce, Richard W., 4,885,992, Cl. 101-38.100.
Dull, Dennis C., 4,889,012, Cl. 74-730.000.
Duvenkamp, Manfred, 4,822,102, Cl. 297-403.000.
Dzioba, Donald L., 4,821,605, Cl. 74-850.000.
Easley, Sydney E.; Heathco, Craig E.; and Smith, Clayton L., 4,860,534, Cl. 60-39.092.
Eckert, Steve J.; Salman, Mutasim A.; and Boustany, Nader M., 4,850,650, Cl. 303-9.620.
Eden, Gary M., 4,816,963, Cl. 361-101.000.
Embach, James T., 4,885,565, Cl. 340-407.000.
Erickson, Robert W., Jr., 4,829,232, Cl. 323-290.000.
Erskine, James C.; and Valeri, Stephen J., 4,881,512, Cl. 123-628.000.
Fannin, Wayne V.; Kruckemeyer, William C.; and Kloess, Scott R., 4,828,229, Cl. 267-64.250.
Farrell, Robert C., 4,798,560, Cl. 464-178.000.
Farrell, Robert C.; and McGregor, David J., 4,810,232, Cl. 464-111.000.
Farrell, Robert C.; and Lundy, George A., 4,881,842, Cl. 403-19.000.
Farris, Timothy M., 4,805,947, Cl. 292-336.300.
Feldmaier, Douglas A., 4,842,301, Cl. 280-735.000.
Field, Martin J., 4,844,515, Cl. 285-305.000.
Finn, Bernard J.; and Hawkins, Gene R., 4,883,288, Cl. 280-672.000.
Foldvary, Leslie A., 4,886,711, Cl. 428-592.000.
Fuehrer, Reece R.; and Swingler, Peter E., 4,805,490, Cl. 74-867.000.
Funkey, Donald J., 4,829,409, Cl. 362-80.000.
Furman, Herbert, 4,889,574, Cl. 156-108.000.
Gaeth, Gerald A., 4,826,411, Cl. 418-152.000.
Garrod, Frank O., 4,805,961, Cl. 297-361.000.
Gees, Theodor, 4,869,556, Cl. 301-124.00R.
Gergoe, Bela, 4,796,929, Cl. 292-28.000.
Gergoe, Bela, 4,805,346, Cl. 49-352.000.
Germ, Kenneth B., 4,886,473, Cl. 439-847.000.
Gest, William E., 4,830,418, Cl. 293-134.000.
Giacomazzi, Roy A.; and Giampa, Rolland D., 4,798,306, Cl. 220-86.00R.
Gionet, Edmond R., 4,839,990, Cl. 49-352.000.
Goding, David J.; and Rassaian, Mostafa, 4,841,873, Cl. 105-168.000.
Goforth, William R., 4,805,865, Cl. 248-393.000.
Gokhale, Kalyan P., 4,835,467, Cl. 324-166.000.
Gokhale, Kalyan P., 4,885,493, Cl. 310-190.000.
Gottemoller, Paul, 4,815,935, Cl. 415-211.000.
Goubeaux, Carl E.; and Flory, Donald M., 4,799,715, Cl. 285-215.000.
Graber, David W.; Pawlak, Andrzej M.; and Zuraski, Jeffery A., 4,886,138, Cl. 180-142.000.
Gray, Ronald N.; and Butler, Raymond O., Jr., 4,862,123, Cl. 335-131.000.
Greanias, Anthony C.; and Mercer, James B., 4,862,945, Cl. 164-63.000.
Haag, Ronald H.; Manuel, Mark; and Rogers, Lloyd W., 4,858,971, Cl. 292-201.000.
Hafer, Paul H.; Hanson, Bradley W.; Porter, Jeffrey D.; and Smith, James, Jr., 4,828,011, Cl. 164-255.000.
Hall, Arthur, III, 4,836,341, Cl. 188-290.000.
Hall, Arthur, III; and Combs, Robert F., 4,860,613, Cl. 74-687.000
Hall, Arthur, III, 4,860,869, Cl. 192-93.00A.
Halliday, William G., Jr.; and Dwenger, Douglas J., 4,815,884, Cl. 403-13.000.
Hammar, Richard H., 4,881,944, Cl. 29-623.500.
Harney, Thomas H., 4,869,945, Cl. 428-122.000.
Harrod, Edward L.; Fannin, Wayne V.; and Pees, James M. 4,828,232, Cl. 267-64.240.
Harting, Thomas E., 4,821,155, Cl. 362-65.000.
Hassmann, Franz, 4,866,820, Cl. 24-628.000.
Haverstick, Jerry E., 4,867,809, Cl. 148-101.000.
Hawkins, Gene R., 4,842,295, Cl. 280-661.000.
Haydu, Bartley A., 4,829,408, Cl. 362-61.000.
Heffner, Donald L.; Merical, Dennis G.; and Homan, David A. 4,856,554, Cl. 137-514.000.
Heimburg, Fritz, 4,805,567, Cl. 123-90.220.
Hekman, Frederick A., 4,860,419, Cl. 29-156.50A.

Heremans, Joseph P.; and Partin, Dale L., 4,847,666, Cl. 357-16.000.
Herrmann, Alan J., 4,806,118, Cl. 439-352.000.
Hlavaty, David G.; and Kazewych, Bohdan, 4,827,669, Cl. 49-436.000.
Hlavaty, David G., 4,866,895, Cl. 52-208.000.
Ho, Thanh; and Fattic, Gerald T., 4,797,549, Cl. 250-227.000.
Hoerner, Rebecca S.; and Short, William T., 4,824,506, Cl. 156-245.000.
Hoffman, Donald E., 4,828,018, Cl. 165-42.000.
Hoffman, Marcos; Joyner, Jeffrey K.; and Paulik, Jiri, 4,806,712, Cl. 200-61.620.
Hogan, Martin J., 4,822,055, Cl. 277-27.000.
Holcomb, Warren N., 4,858,426, Cl. 60-39.080.
Hoying, John F.; and Smith, Stanley E., 4,796,874, Cl. 267-140.100.
Hoying, John F.; and Smith, Stanley E., 4,828,234, Cl. 267-140.100.
Hoying, John F.; and Lange, Bernard, 4,840,358, Cl. 267-140.100.
Hoying, John F.; and Smith, Stanley E., 4,869,477, Cl. 267-140.100.
Humer, Mladen, 4,844,542, Cl. 297-341.000.
Iadipaolo, Rene M., 4,829,380, Cl. 358-166.000.
Jain, Kailash C.; and MacIver, Bernard A., 4,800,170, Cl. 437-24.000.
Jandeska, William F.; Rezhets, Vadim; and Ligotti, Carlo, 4,849,164, Cl. 419-11.000.
Jandeska, William F., Jr.; Rezhets, Vadim; and Ligotti, Carlo, 4,886,637, Cl. 419-12.000.
Javaherian, Hossein, 4,867,123, Cl. 123-425.000.
Javaherian, Hossein, 4,867,124, Cl. 123-425.000.
Jensen, Edward J., 4,846,130, Cl. 123-425.000.
Johnston, Albert D.; and Lederman, Frederick E., 4,836,347, Cl. 192-45.000.
Johnston, Daniel U.; and Zirnheld, Richard A., 4,864,915, Cl. 91-376.00R.
Kabasin, Daniel F., 4,881,502, Cl. 123-399.000.
Kadle, Durgaprasad S., 4,831,844, Cl. 62-507.000.
Kaiser, Heinz; Kohler, Andrea; and Ruhl, Werner J., 4,866,995, Cl. 73-864.410.
Kaminski, Brian D.; and Bandyopadhyay, Pulak, 4,841,820, Cl. 82-1.110.
Karg, Rodrick D.; and Whetstone, Thomas N., 4,797,059, Cl. 414-590.000.
Karmel, Amir; Loo, David K.; and Rillings, James H., 4,829,434, Cl. 364-424.100.
Kaurich, Michael S.; and Rishel, Paul E., 4,796,915, Cl. 280-802.000.
Kellogg, George E., 4,887,537, Cl. 108-55.100.
Ker, Eric L.; and Griffin, Joseph R., 4,824,550, Cl. 204-427.000.
Khalighi, Bahram; and Rask, Rodney B., 4,827,883, Cl. 123-308.000.
Kia, Hamid G., 4,798,763, Cl. 428-285.000.
Kidd, Richard L., 4,848,829, Cl. 296-152.000.
Kimberlin, Dan R., 4,863,002, Cl. 188-318.000.
Kimbrough, Scott S.; Chalasani, Rao M.; and Hallman, Steven J., 4,828,061, Cl. 180-79.100.
Kimbrough, Scott S.; and Hallman, Steven J., 4,842,089, Cl. 180-79.100.
King, Michael F., 4,858,501, Cl. 74-868.000.
Koromilas, Constantinos A., 4,841,930, Cl. 123-246.000.
Koromilas, Constantinos A., 4,860,705, Cl. 123-246.000.
Koromilas, Constantinos A., 4,877,385, Cl. 418-197.000.
Kowalik, James J.; and Majeed, Kamal N., 4,829,436, Cl. 364-424.050.
Krage, Mark K., 4,836,015, Cl. 73-117.200.
Kruckemeier, William C.; Bock, Gustavus P.; and Fannin, Wayne V., 4,821,851, Cl. 188-319.000.
Kudla, David P.; and Holbrook, Susan E., 4,823,035, Cl. 310-68.00C.
Lakey, Leroy E.; Peter, David A.; Chance, David A.; and Anderson, Stephen W., 4,883,973, Cl. 290-31.000.
Lang, Steven C., 4,800,699, Cl. 52-717.100.
Laugal, Ruth C. O.; and Micheli, Adolph L., 4,824,768, Cl. 430-323.000.
Lederman, Frederick E., 4,815,577, Cl. 192-45.000.
Lederman, Frederick E., 4,821,856. Cl. 192-45.000.
Lederman, Frederick E., 4,822,183, Cl. 384-607.000.
Lederman, Frederick E., 4,828,085, Cl. 192-45.000.
Lederman, Frederick E., 4,828,086, Cl. 192-45.000.
Lederman, Frederick E., 4,830,157, Cl. 192-45.000.
Lederman, Frederick E. 4,834,227, Cl. 192-45.000.
Lederman, Frederick E., 4,838,398, Cl. 192-45.000.
Lederman, Frederick E., 4,850,462, Cl. 192-45.000.
Lederman, Frederick E., 4,850,463, Cl. 192-45.000.
Lederman, Frederick E., 4,874,069, Cl. 192-45.000.
Lee, Han-Sheng, 4,862,232, Cl. 357-23 100.
Lee, Robert W., 4,844,754, Cl. 148-302.000.
Leppek, Kevin G., 4,881,784, Cl. 303-100.000.
Lequesne, Bruno P. B., 4,829,947, Cl. 123-90.110.
Lippmann, Raymond; and Nelson, James E., 4,859,912, Cl. 315-169.300.
Lin, Robert J., 4,814,656, Cl. 310-269.000.
Litwinchuk, Alexander; Dura, Lowell E.; and Dekker, Adrian, 4,807,575, Cl. 123-90.550.
Liverance, Martin K.; McMahan, David R.; and Haydu, Bartley A., 4,882,660, Cl. 362-226.000.
Lobig, Arnold, 4,836,044, Cl. 74-579.00E.
Lobig, Arnold, 4,836,045, Cl. 74-579.00E.
Lobig, Arnold, 4,836,159, Cl. 123-195.00H.
Logan, James L., 4,877,279, Cl. 293-121.000.
Londeck, Paul B.; Sarti, Robert F.; and Aho, Jack R., 4,835.908, Cl. 49-377.000.
Londeck, Paul B.; Novak, Dale L.; and Wood, Vincent J., 4,869,549, Cl. 296-224.000.
Long, Charles F.; McCauley, Phillip F.; and Boyer, Robert C., 4,827,806, Cl. 74-869.000.
Lun, Saiman, 4,836,512, Cl. 267-140.100.
Lun, Saiman, 4,854,560, Cl. 267-140.100.
Lun, Saiman, 4,881,712, Cl. 248-562.000.
Lun, Saiman, 4,886,253, Cl. 267-140.100.
Macfarlane, Glen R.; Lee, Jordan R.; and Smith, Ross R., 4,805,573, Cl. 123-403.000.
Maguire, Joel M., 4,881,422, Cl. 74-440.000.
Maines, James R.; and Arnold, David, 4,842,656, Cl. 148-302.000.
Malak, Ronald J., 4,861,104, Cl. 297-218.000.
Mailoy, John D.; and Mahoney, John E., 4,805,752, Cl. 192-85.0AA.
Mann, Gamdur S., 4,881,913, Cl. 445-7.000.
Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., 4,810,350, Cl. 204-412.000.
Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., 4,810,529, Cl. 427-123.000.
Marciniak, George Z.; and Selkirk, William M., 4,821,597, Cl. 74-545.000.
Marsh, Richard A.; Brand, Gary J.; Poirier, David C.; Phillips, Dale L.; and Hamade, Sami M., 4,809,660, Cl. 123-417.000.
Maschino, Dale C., 4,841,130, Cl. 235-96.000.
Mateos, Luis A.; and Rice, Lawrence M., 4,807,094, Cl. 362-80.000.
McClain, John C., 4,859,149, Cl. 416-215.000.
McClearn, Lisa J., 4,822,294, Cl. 439-274.000.
McMahan, David R.; Nagengast, William E.; and Geddie, John D., 4,851,976, Cl. 362-226.000.
Mentzer, Charles C.; Cox, Howard W.; and Short, William T., 4,828,637, Cl. 156-212.000.
Mentzer, Charles C.; Cox, Howard W.; and Short, WIlliam T., 4,838,973, Cl. 156-212.000.
Mentzer, Charles C.; Cox, Howard W.; and Short, William T., 4,868,030, Cl. 428-174.000.
Mertens, Theobald; and Roos, Jurgen, 4,796,875, Cl. 267-140.100.
Mertens, Theobald, 4,829,953, Cl. 123-192.00R.
Mertens, Theobald, 4,882,460, Cl. 200-512.000.
Micheli, Adolph L., 4,812,333, Cl. 427-226.000.
Miller, James W., 4,886,085, Cl. 137-1.000.
Miller, Larry D., 4,796,917, Cl. 280-804.000.
Miller, Larry D., 4,823,507, Cl. 49-227.000.
Miller, Richard F.; and Foster, David A., 4,806,028, Cl. 384-510.000.
Mondt, James R.; and Schacher, Ricky P., 4,795,616, Cl. 422-179.000.
Mueller, Donald L.; and Nyberg, Glen A., 4,827,198, Cl. 318-483.000.
Mueller, William A.; and Hoffmann, Wolfgang, 4,796,459, Cl. 72-354.000.
Murray, Patrick M., 4,796,518, Cl. 98-2.000.
Murray, Stephen G., 4,856,273, Cl. 60-39.080.
Murty, Balarama V., 4,815,575, Cl. 188-299.000.
Nagengast, William E.; and Luallin, John M., 4,833,572, Cl. 362-61.000.
Nagy, Louis L.; and Funke, Jimmy L., 4,866,453, Cl. 343-712.000.
Nazri, Gholamabbas, 4,826,743, Cl. 429-191.000.
Nehmer, Carl A.; and Aikman, Steven W., 4,850,250, Cl. 74-857.000.
Nestor, Charles R., 4,859,202, Cl. 439-397.000.
Newhouse, Delbert W., 4,881,452, Cl. 92-48.000.
Newhouse, Delvert W., 4,881,451, Cl. 92-48.000.
Nico, Pete, Jr.; and Vitale, Nicholas A., 4,863,663, Cl. 264-130.000.
Nies, David L.; and Shroyer, Tomas L., 4,886,319, Cl. 303-9.750.
Nietert, James E., 4,842,419, Cl. 374-145.000.
Nowakowski, Robert J.; and Riesberg, Van V., Jr., 4,803,417, Cl. 320-48.000.
Olgren, Leland N., 4,832,524, Cl. 403-348.000.
Olgren, Leland N., 4,886,460, Cl. 439-15.000.
Oosterwal, Dantar P., 4,850,239, Cl. 74-493.000.
Orrell, William B.; and Creps, Wendell D., 4,886,027, Cl. 123-478.000.
O'Sullivan, Terence J.; Mould, George W.; Armstrong, David E.; Foulkes, Graham S.; and Davis, Michael B., 4,856,848, Cl. 297-391.000.
Oza, Rajshekhar D., 4,797,263, Cl. 422-176.000.
Parker, Donald L.; Reuter, David F.; and Roussel, Patrick, 4,859,001, Cl. 303-92.000.
Parrott, Richard M.; Peng, Yuchi P.; and Ricketts, William J., 4,821,770, Cl. 137-596.170.
Parrott, Richard M.; Colvin, Jack A.; and Shuey, Lyle W., 4,860,794, Cl. 137-637.200.
Partin, Dale L.; and Heremans, Joseph P., 4,843,444, Cl. 357-27.000.
Patel, Ramanlal L.; Chew, Meng-Sang; Marsh, Richard A.; Rosenberg, Richard C.; and Thomas, Henry, Jr., 4,799,464, Cl. 123-90.410.
Patterson, Henry B.; Wasserbaech, Eberhard E.; and Lee, Jae M., 4,833,834, Cl. 51-147.000.
Pawlak, Andrzej M.; Graber, David W.; and Zuraski, Jeffery A., 4,886,137, Cl. 180-142.000.
Perez, Lucas R., 4,826,399, Cl. 415-150.000.
Perkins, Robert L., 4,796,895, Cl. 277-4.000.

Phillis, Robert L., 4,867,487, Cl. 285-305.000.

Pietrzak, Gary F.; and Plant, Ernest M., II, 4,809,806, Cl. 180-148.000.

Plant, Lawrence B., 4,848,439, Cl. 164-16.000.

Plesniarski, Edward J., 4,822,104, Cl. 297-468.000.

Polster, Michael; and Schamber, Ortwin, 4,836,168, Cl. 123-41.500.

Ponziani, Ricahrd L., 4,851,745, Cl. 318-443.000.

Ponziani, Richard L.; Davies, William E.; and Trittschuh, Everett P., III, 4,797,110, Cl. 439-83.000.

Pozniak, Donald J.; and Kutkus, Leonardas, 4,831,976, Cl. 123-188.00S.

Priem, Barry L., 4,836,272, Cl. 164-457.000.

Priem, Barry L., 4,838,338, Cl. 164-113.000.

Provenzano, Nicholas J., 4,858,427, Cl. 60-39.080.

Puzio, Daniel; Georges, William H.; and Bevilacqua, Gary L., 4,842,118, Cl. 192-150.000.

Radomski, Thomas A., 4,882,515, Cl. 310-263.000.

Rausch, Richard A.; and Ruff, Donald O., 4,829,163, Cl. 219-547.000.

Redelman, James A.; and Morrow, James W., 4,841,841, Cl. 91-30.000.

Redelman, James A., 4,881,625, Cl. 188-290.000.

Reedy, Patrick J., 4,804,343, Cl. 439-854.000.

Rees, Richard W. A., 4,824,172, Cl. 297-361.000.

Rees, Richard W. A.; and Humer, Mladen, 4,860,988, Cl. 248-420.000.

Rees, Richard W. A., 4,881,775, Cl. 297-361.000.

Reginaldo, Alberto N., 4,805,944, Cl. 285-331.000.

Reintges, Rolf; and Stahlhut, Richard, 4,828,318, Cl. 296-213.000.

Reuter, David F.; Mort, Dewey F.; and Flory, Donald M., 4,822,112, Cl. 303-92.000.

Reynolds, Michael G., 4,829,856, Cl. 81-52.000.

Rich, Gregory E.; Giacomazzi, Roy A.; and Wilds, Jack C., 4,881,578, Cl. 141-44.000.

Rider, Frederick H., Jr., 4,822,299, Cl. 439-402.000.

Rodondi, Andrew F.; Vazquez-Cuervo, Alfonso; and Burns, Christopher D., 4,834,670, Cl. 439-398.000.

Rogakos, Deno J.; Johnston, Lynn M.; and Cook, Keith R., 4,850,466, Cl. 192-78.000.

Rogers, Lloyd W.; and Compeau, David E., 4,796,916, Cl. 280-803.000.

Romig, Kenneth L., 4,860,870, Cl. 192-99.00S.

Roth, William H.; and Dull, Dennis C., 4,856,638, Cl. 192-106.100.

Sadegh, Ali M., 4,871,339, Cl. 445-7.000.

Saia, Steven R.; and Militello, Edward F., 4,805,491, Cl. 74-867.000.

St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,843,701, Cl. 29-235.000.

St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,852,240, Cl. 29-559.000.

St. Angelo, Stephen; and Lucci, John J., 4,860,588, Cl. 73-794.000.

St. Angelo, Stephen, Jr.; Carver, George C.; Patterson, David W.; and Fremont, Owen K., 4,839,958, Cl. 29-450.000.

Salman, Mutasim A., 4,828,334, Cl. 303-100.000.

Salmon, Roy P.; and Cockburn, Ernest E., 4,850,518, Cl. 224-42.230.

Savage, Jack W.; and Savage, John R., 4,797,600, Cl. 318-254.000.

Savage, Jack W.; and Kuck, Lloyd L., 4,838,762, Cl. 416-187.000.

Savage, John R.; and Mellin, Robert C., 4,836,148, Cl. 123-41.490.

Savage, Russell C.; Zeller, Gary P.; and Skirha, Martin D., 4,844,561, Cl. 305-35.00R.

Savage, Russell C.; Zeller, Gary P.; and Skirha, Martin D., 4,880,283, Cl. 305-35.00R.

Schmidt, Edward H.; Carpenter, Marvin E.; and Walters, David W., 4,860,222, Cl. 364-550.000.

Schmidt, Fred K., 4,849,045, Cl. 156-244.240.

Schubert, Peter J.; and Wallace, Robert J., 4,885,618, Cl. 357-23.110.

Schulte, Carl W., 4,822,079, Cl. 285-162.000.

Schwartz, Ellen S.; Smolenski, Donald J.; Keersmaekers, John D.; Traylor, Christine M.; and Wallo, Gary J., 4,847,768, Cl. 364-424.030.

Schwerzler, Dennis D.; and Foltz, George C., 4,821,828, Cl. 180-68.400.

Simon, Robert C., Jr.; O'Connell, Daniel B.; Poirier, David C.; Calkins, John A.; Marsh, Richard A.; Medich, Peter M.; and Mamolen, Richard C., 4,848,189, Cl. 74-872.000.

Skinner, Timothy J.; Spurney, Joseph L.; and Ma, Weiming, 4,872,814, Cl. 417-222.000.

Smith, Jack E., 4,805,347, Cl. 49-477.000.

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Smith, Richard H., 4,836,090, Cl. 92-12.200.

Smith, Stanley E., 4,867,474, Cl. 280-699.000.

Smith, Stephen, 4,860,700, Cl. 123-41.310.

Snavely, Gary L.; and Pelachyk, Richard, 4,841,832, Cl. 81-57.370

Sofianek, Jay K., 4,796,855, Cl. 251-129.150.

Sohn, Do Y., 4,850,311, Cl. 123-90.180.

Spadafora, Peter J.; Headley, Philip M.; Lee, Alan J.; and Hersberger, Jill G., 4,824,184, Cl. 303-100.000.

Spears, Thomas D., 4,860,641, Cl. 92-71.000.

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Stanek, Carl E., 4,860,866, Cl. 192-71.000.

Straub, Vincent M., Jr., 4,798,129, Cl. 92-128.000.

Steger, Charles B.; and Meloche, Kenneth R., 4,828,230, Cl. 267-64.160.

Stein, William L., Sr.; and Lui, Hoi, 4,832,616, Cl. 439-279.000.

Stimson, G. Larry, 4,795,944, Cl. 315-71.000.

Sullivan, Daniel P.; Scherman, Terrel L.; and Drew, Elmer H., 4,837,605, Cl. 29-91.500.

Suriano, John R.; Staarmann, Patrick J.; Tracht, Steven L.; and Mueller, Dennis L., 4,843,286, Cl. 318-443.000.

Tang, Dah-Lain; and Wlodarczyk, Marek T., 4,866,268, Cl. 250-231.0SE.

Tarum, Carl D., 4,828,297, Cl. 285-305.000.

Taylor, Edward F., 4,853,055, Cl. 156-108.000.

Thomas, James A.; and Coan, David A., 4,829,642, Cl. 29-6.000.

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Tiesler, Roy F., 4,850,139, Cl. 49-130.000.

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Tison, Richard P., 4,882,018, Cl. 204-105.00R.

Tiwari, Basant L., 4,882,032, Cl. 204-422.000.

Tracht, Steven L., 4,825,134, Cl. 318-443.000.

Tracht, Steven L., 4,859,919, Cl. 318-444.000.

Troxell, John R.; Harrington, Marie I.; and Erskine, James C., 4,851,363, Cl. 437-40.000.

Tsals, Izrail; Feygin, Ilya; and Marder, William, 4,796,463, Cl. 73-862.330.

Turnbull, Roy C., 4,881,298, Cl. 16-266.000.

Turner, Kenneth W.; Covert, Charles H.; and Meyer, Karen M., 4,852,761, Cl. 220-85.0VR.

Turner, Kenneth W.; Simons, Richard H., Jr.; and Paddock, Gordon R., 4,853,009, Cl. 55-387.000.

Valeri, Stephen J.; Jain, Kailash C.; and MacIver, Bernard A., 4,811,063, Cl. 357-22.000.

Van Duyn, Paul D., 4,849,865, Cl. 362-294.000.

Vaz, Nuno A.; VanSteenkiste, Thomas H.; and Smith, George W., 4,845,329, Cl. 219-10.810.

Verbrugge, Mark W.; and Carpenter, Michael K., 4,883,567, Cl. 204-39.000.

Verdouw, Albert J., 4,796,429, Cl. 60-751.000.

Voss, Karl D.; Mercer, James B.; and Greanias, Anthony C., 4,809,767, Cl. 164-154.000.

Voss, Karl D.; and Mercer, James B., 4,825,933, Cl. 164-255.000.

Voss, Karl D.; Mercer, James B.; and Ruff, Gary F., 4,865,113, Cl. 164-63.000.

Walenty, Allen J.; and Leppek, Kevin G., 4,835,695, Cl. 364-426.020.

Wang, Su-Chee S.; and Tung, Simon C., 4,828,655, Cl. 204-38.100.

Ward, Robert W.; Hunter, Rodney G.; and Boys, William E., 4,823,032, Cl. 310-43.000.

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Webb, Donald L., 4,822,321, Cl. 474-117.000.

Weier, Mark D., 4,852,846, Cl. 248-430.000.

Weisgerber, Thomas W.; and Kruska, Joseph A., 4,850,606, Cl. 280-96.000.

Wendler, Paul O.; and Yonker, John F., 4,828,068, Cl. 180-148.000.

White, Charles R., 4,874,071, Cl. 192-58.00B.

Williams, Jerry K., 4,796,955, Cl. 297-452.000.

Williams, Jerry K., 4,885,827, Cl. 29-91.100.

Williston, Scott L.; and Sweigart, Mark A., 4,841,790, Cl. 74-89.150.

Wlodarczyk, Marek T.; and Tang, Dah-Lain, 4,866,269, Cl. 250-231.0SE.

Wyczalek, Floyd A.; and Mick, Stanley H., 4,864,151, Cl. 290-52.000.

Yamamoto, Mayjue A., 4,886,134, Cl. 188-20.000.

Yeary, Robert L.; Parkes, Larry J.; and Fuhs, Norbert M., 4,832,544, Cl. 409-158.000.

Yost, John V., 4,821,908, Cl. 220-86.00R.

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McKann, H. Smith; and Haney, Wendel W., 4,819,383, Cl. 49-501.000.

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General Scanning, Inc.: *See—*
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Paulsen, Dean R., 4,797,749, Cl. 358-302.000.
Paulsen, Dean R., 4,816,920, Cl. 358-285.000.
Paulsen, Dean R., 4,878,721, Cl. 350-6.600.
Young, Niels O., 4,830,496, Cl. 356-363.000.

General Signal Corporation: *See—*
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Boxall, Frank S., 4,804,956, Cl. 345-825.790.
Buyak, William P., 4,864,275, Cl. 340-392.000.

Cameron, John F.; Knirck, Jeffrey G.; and Wise, Lawrence A., 4,839,679, Cl. 354-234.100.

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Engle, Thomas H., 4,799,741, Cl. 303-60.000.

Engle, Thomas H., 4,874,065, Cl. 188-265.000.

Engle, Thomas H., 4,883,000, Cl. 105-4.400.

Fairman, Ronald E., 4,860,781, Cl. 137-118.000.

Frielinghaus, Klaus H., 4,886,226, Cl. 246-121.000.

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Homer, John C.; and Lutz, Gilbert F., 4,816,227, Cl. 422-159.000.

Homer, John C., 4,836,934, Cl. 210-771.000.

Homer, John C., 4,836,937, Cl. 210-808.000.

Homer, John C.; Nowshiravani, Shahriar; Ross, Steven L.; and Lutz, Gilbert F., 4,846,081, Cl. 110-186.000.

Homer, John C., 4,888,989, Cl. 73-304.00C.

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Maher, Joseph A.; Vowles, E. John; Napoli, Joseph D.; Zafiropoulo, Arthur W.; and Miller, Mark W., 4,885,050, Cl. 156-345.000.

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Olesak, John; Bonkrud, Dennis D.; De Lain, Richard; and Barnes, William W., II, 4,810,991, Cl. 336-96.000.

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Vaughn, Lawrence E.; Rojecki, Walter E.; and Engle, Thomas H., 4,842,341, Cl. 303-37.000.

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Weetman, Ronald J., 4,882,098, Cl. 261-93.000.

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O'Mara, Dion P.; Hadermann, Albert F.; and Trippe, Jerry C., 4,837,249, Cl. 523-175.000.

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General Tire, Inc.: *See—*
Kreiner, James G., 4,882,394, Cl. 525-332.700.
Shoemaker, Paul S.; and Kelley, John D., Jr., 4,811,771, Cl. 152-454.000.

General Transervice, Inc.: *See—*
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Generaldirektoratet for Danske Statsbaner, DSB, and Jens Moller-Jensen: *See—*
Toft, Nils, 4,890,201, Cl. 362-31.000.

Genesco Inc.: *See—*
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Genesis Industries, Incorporated: *See—*
Ennis, James F., III, 4,852,772, Cl. 222-386.000.

Genesis Research Corporation: *See—*
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van Blerkom, Jonathan, 4,840,891, Cl. 435-2.000.

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Beisang, Arthur A., III, 4,823,789, Cl. 128-207.180.

Genetic Systems Corporation: *See—*
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Genetics Corporation: *See—*
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Clark, Steven C.; Ciarletta, Agnes B.; and Yang, Yu-Chung, 4,877,729, Cl. 435-68.000.
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DeBonville, David A.; and Riedel, Gerard E., 4,833,239, Cl. 536-27.000.
DeBonville, David A.; and Riedel, Gerard E., 4,843,012, Cl. 435-270.000.
Rozzell, J. David, 4,826,766, Cl. 435-106.000.
Rozzell, J. David, 4,880,738, Cl. 435-106.000.
Shoemaker, Charles B., 4,835,260, Cl. 530-397.000.
Stahl, Mark L.; and LaVallie, Edward R., 4,801,536, Cl. 435-68.000.
Taeusch, H. William; Jacobs, Kenneth A.; Steinbrink, D. Randall; Floros, Joanna; Phelps, David S.; and Fritsch, Edward F., 4,882,422, Cl. 530-350.000.
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Wang, Elizabeth A.; Wozney, John M.; and Rosen, Vicki, 4,877,864, Cl. 530-324.000.

Genev, Ivan V., to Institute Po Tcherna Metalurgia. Vibrating screen. 4,855,039, 8-8-89, Cl. 209-311.000.

Genevey, Raymond, to Societe Majorette. Toy vehicle with pivoting axle. 4,850,929, 7-25-89, Cl. 446-466.000.

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Genevois, Christophe, to Axytel S.A. Capacitive apparatus to monitor the integrity of a wall. 4,884,061, 11-28-89, Cl. 340-550.000.

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Fahnestock, Stephen R.; and Fisher, Kathryn E., 4,828,994, Cl. 435-172.300.
Ladner, Robert C., 4,881,175, Cl. 364-496.000.
Nagarajan, Vasantha; Rhodes, Craig S.; and Banner, Carl D. B., 4,801,537, Cl. 435-68.000.
Pantoliano, Michael W.; and Ladner, Robert C., 4,853,871, Cl. 364-496.000.
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Geng, Jiang Y., to Shanghai Bicycle Factory. Method of roll forming a skip threading tap. 4,794,821, 1-3-89, Cl. 76-101.00B.

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Genicom Corporation: *See—*
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Fuller, Douglas D.; and Boulanger, Kenenth A., 4,848,944, Cl. 400-629.000.
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Genies, Eugene, to Commissariat a L'Energie Atomique. Nitrogenized electronic conductive polymers, their preparation processes, electrochromic display cell and electrochemical generator using these polymers. 4,889,659, 12-26-89, Cl. 252-500.000.

Genigraphics Corportion: *See—*
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Genin, Bernard C., to Curty. Cylinder-head gasket for internal-combustion engine. 4,856,796, 8-15-89, Cl. 277-235.00B.

- Genin, Jacques. Active dipole telephone line protection device. 4,885,768, 12-5-89, Cl. 379-200.000.
- Genin, Yves: *See—*
  - Foret, Regis; and Genin, Yves, 4,828,285, Cl. 280-279.000.
- Genise, Thomas A., to Eaton Corporation. Friction material configuration. 4,844,218, 7-4-89, Cl. 192-53.00F.
- Genji, Nobuo: *See—*
  - Teranishi, Akio; Genji, Nobuo; and Itoh, Kohji, 4,888,788, Cl. 375-1.000.
- Genlyte Group, Inc.: *See—*
  - Feldstein, Robert S., 4,818,953, Cl. 331-114.000.
- Genna, Sebastian; and Smith, Andrew P., to Digital Scintigraphics, Inc. Compound collimator and tomography camera using same. 4,831,261, 5-16-89, Cl. 250-363.010.
- Genna, Sebastian; and Smith, Andrew P., to Digital Scintigraphics, Inc. Scintillation camera with segmented light pipe. 4,837,439, 6-6-89, Cl. 250-368.000.
- Genna, Sebastian; and Smith, Andrew P., to Digital Scintigraphics, Inc. Collimator system with improved imaging sensitivity. 4,859,852, 8-22-89, Cl. 250-363.100.
- Gennaro, Antonio: *See—*
  - Cereda, Emiliano M.; Gennaro, Antonio; and Cortesi, Paolo, 4,812,515, Cl. 423-625.000.
- Geno, Wayne H.; and Weitzenhof, David A., to Firestone Tire & Rubber Company, The. Ultrasonic air spring system. 4,798,369, 1-17-89, Cl. 267-64.110.
- Geno, Wayne H.: *See—*
  - Hoffman, Keith E.; and Geno, Wayne H., 4,796,870, Cl. 267-35.000.
- Genoa, Joseph; Kaskel, Harold; and Nelson, Carl, to Atlantic Vacuum Parts Corp. Electrified vacuum cleaner hose adapter. 4,804,333, 2-14-89, Cl. 439-191.000.
- Genoa, Joseph; Kaskel, Harold; and Nelson, Carl, to Atlantic Vacuum Parts Corp. Electrified vacuum cleaner hose adapter. 4,826,444, 5-2-89, Cl. 439-191.000.
- Genodman, Yury: *See—*
  - Solomon, Frank; Genodman, Yury; and Irizarry, Jaime, 4,877,694, Cl. 429-27.000.
- Genossenschaft VEBO Solothurnische Eingliederungsstatte fur Behinderte: *See—*
  - Hauri, Hermann, 4,820,284, Cl. 604-318.000.
- Genova, Alessandro: *See—*
  - Knirsch, Franco; Soudaz, Anna M.; and Genova, Alessandro, 4,836,852, Cl. 106-22.000.
- Genovese, Carmen E.; Patch, David B.; Westerfield, David A.; Gross, John T.; and Dunns, Christopher C., to Sutter Biomedical, Inc. Continuous passive motion device. 4,825,852, 5-2-89, Cl. 128-25.00R.
- Genovese, Frank C.; and Lannom, James W., to Xerox Corporation. Vacuum fluorescent printing device. 4,859,913, 8-22-89, Cl. 315-169.400.
- Genovese, Vincent P., to Southwest Manufacturers & Distributors, Inc. Height adjustment control for a floor polishing machine. 4,845,798, 7-11-89, Cl. 15-98.000.
- GenRad, Inc.: *See—*
  - Albee, Alan J., 4,862,069, Cl. 324-73.00R.
  - Langley, Frank J., 4,808,815, Cl. 250-227.000.
  - Parsons, Philip B., 4,864,219, Cl. 324-73.0PC.
  - Troy, Frederick M., 4,796,259, Cl. 371-20.000.
- Genrich, Thad J., to Motorola, Inc. High speed, low drift sample and hold circuit. 4,862,016, 8-29-89, Cl. 307-353.000.
- Genrich, Thad J., to Motorola, Inc. Phase accumulation continuous phase modulator. 4,873,500, 10-10-89, Cl. 332-104.000.
- Gens, Andre : *See—*
  - Gailly, Jean-Marc; Gomez, Daniel; Burguiene Martine; Gens, Andre ; and Remy, Jean, 4,867,977, Cl. 424-687.000.
- Gens, Theodore A.; Tucker, Mit S.; and Grob, John J., to BOC Group, Inc., The. Process for the production of sulfur from hydrogen sulfide using high concentration oxygen and recycle in combination with a scrubbing tower. 4,844,881, 7-4-89, Cl. 423-574.00R.
- Gensel, Joachim W. P.: *See—*
  - Kordts, Jurgen; Gensel, Joachim W. P.; and Martens, Gerhard, 4,866,436, Cl. 340-870.280.
- Genser, Herman J. Gardening tool and method. 4,813,728, 3-21-89, Cl. 294-50.800.
- Genshaw, Marvin A.: *See—*
  - Burkhardt, Alan E.; Genshaw, Marvin A.; and Stover, Lon R., 4,810,470, Cl. 422-56.000.
- Gensheimer, Valentin: *See—*
  - Ruger, Manfred; and Gensheimer, Valentin, 4,823,698, Cl. 101-409.000.
  - Simeth, Claus; and Gensheimer, Valentin, 4,873,926, Cl. 101-409.000.
- Genssler, Hans-Peter: *See—*
  - Aulehla, Felix; and Genssler, Hans-Peter, 4,836,473, Cl. 244-130.000.
- Genstar Building Materials Company: *See—*
  - Pagen, Charles A.; Stepien, George, Jr.; and Morris, Paul A., 4,871,605, Cl. 428-141.000.
- Gent, Derek J.: *See—*
  - Bergstrom, Michael J.; and Gent, Derek J., 4,837,457, Cl. 307-253.000.
- Gent, John A. G., to Cogent Limited. Compositions and processes producing scratch resistant polysiloxane coatings. 4,847,120, 7-11-89, Cl. 427-387.000.
- Gent, John A. G.: *See—*
  - Cross, David E.; and Gent, John A. G., 4,868,024, Cl. 428-35.200.
- Gent Limited: *See—*
  - Appleby, David; and Johnson, Duncan M., 4,864,519, Cl. 364-550.000.
- Gentelia, John S.: *See—*
  - Abraham, William W.; and Gentelia, John S., 4,799,480, Cl. 128-303.130.
- Genter, Gerhard; Schmitt, Edgar; and Siems, Hans-Dieter, to Robert Bosch GmbH. Brake fluid container. 4,805,668, 2-21-89, Cl. 137-558.000.
- Gentex Corporation: *See—*
  - Aileo, Jackson A.; Long, Richard J.; Zaccone, Joseph J.; and Petruzella, James J., 4,847,920, Cl. 2-424.000.
  - Aileo, Jackson A., 4,884,301, Cl. 2-421.000.
  - Long, Richard J.; and Petruzella, James J., 4,833,735, Cl. 2-419.000.
  - Long, Richard J.; and Zaccone, Joseph J., 4,887,320, Cl. 2-424.000.
  - Sallavanti, Robert A.; Dalton, Jeffrey L.; and Olsen, Sharon M., 4,800,122, Cl. 428-412.000.
  - Sallavanti, Robert A.; and Curtis, Matthew P., 4,846,408, Cl. 241-18.000.
- Genth, Hermann: *See—*
  - Kuhle, Engelbert; Paulus, Wilfried; Genth, Hermann; Reinecke, Paul; Hanssler, Gerd; and Brandes, Wilhelm, 4,799,905, Cl. 550-16.000.
- Genth, Richard E., to Donzi Marine Corporation. Gullwing-type deck hatch assembly. 4,811,680, 3-14-89, Cl. 114-201.00R.
- Gentile, Anthony L.: *See—*
  - Pastor, Antonio C.; Gentile, Anthony L.; and Wysocki, Joseph A., 4,857,249, Cl. 264-67.000.
- Gentile, Anthony R.: *See—*
  - Gentile, John J.; Gentile, Anthony R.; and Gentile, Christopher T., 4,852,224, Cl. 24-590.000.
- Gentile, Christopher T.: *See—*
  - Gentile, John J.; Gentile, Anthony R.; and Gentile, Christopher T., 4,852,224, Cl. 24-590.000.
- Gentile, Geoffrey E., to Boeing Company, The. Raster rotation circuit. 4,876,488, 10-24-89, Cl. 315-378.000.
- Gentile, James L.; LaRosa, Joseph P.; and Rainey, Dean R., to Chesebrough-Pond's Inc. Viscous product dispenser. 4,854,484, 8-8-89, Cl. 222-256.000.
- Gentile, John J.; Gentile, Anthony R.; and Gentile, Christopher T., to Abrams/Gentile Entertainment Inc. Ornamental Z-shaped rotary fastening device. 4,852,224, 8-1-89, Cl. 24-590.000.
- Gentile, John R., to Laser Precision Corporation. Remotely controlled optical time domain reflectometer serving a plurality of fiber optic cables. 4,875,772, 10-24-89, Cl. 356-73.100.
- Gentile, Joseph. Slide block feed apparatus for a press utilizing an oscillating cam. 4,848,631, 7-18-89, Cl. 226-141.000.
- Gentile, Victor M., Jr.; and Wilder, Harry D., to Scott Paper Company. Method for producing pulp using pre-treatment with stabilizers and defibration. 4,849,053, 7-18-89, Cl. 162-76.000.
- Gentili, Fred: *See—*
  - Walsh, David J.; Lougheed, William M.; Gentili, Fred; and Fail, Mahmood, 4,873,975, Cl. 128-334.00R.
- Gentili, Piergiorgio: *See—*
  - Picciola, Giampaolo; Riva, Mario; Ravenna, Franco; and Gentili, Piergiorgio, 4,826,975, Cl. 544-391.000.
- Gentiluomo, Joseph A. Bowling ball. 4,802,671, 2-7-89, Cl. 273-61.00E.
- Gentle, Derek F.: *See—*
  - Dixon, James R.; Gentle, Derek F.; Janotik, Adam M.; Karyak, Lawrence P.; Mansour, Tahir M.; Papadakis, Emmanuel P.; and Strosberg, Gordon G., 4,868,968, Cl. 29-460.000.
  - Strosberg, Gordon G.; Janotik, Adam M.; and Gentle, Derek F., 4,888,919, Cl. 49-502.000.
  - Vogt, Hans; Russell, Malcom H.; McKechnie, Richard C.; and Gentle, Derek F., 4,822,098, Cl. 296-901.000.
- Gentles, David G.; and Gentles, Mary A. Animated toys. 4,798,553, 1-17-89, Cl. 446-99.000.
- Gentles, Mary A.: *See—*
  - Gentles, David G.; and Gentles, Mary A., 4,798,553, Cl. 446-99.000.
- Gentles, Thomas A.: *See—*
  - Fuller, Richard C.; Gentles, Thomas A.; and Lewandowski, Mark, 4,870,675, Cl. 379-5.000.
- Gentner Electronics Corporation: *See—*
  - Leonard, John E., 4,872,195, Cl. 379-40.000.
- Gentry, Alice V.: *See—*
  - Croes, Rosimbo E.; Gentry, Alice V.; Gentry, Milton L., Jr.; and Kendrick, Melvin R., 4,827,447, Cl. 364-900.000.
- Gentry, Bobby C.; Workman, Bobby G.; Powers, Wilber F., Jr.; and Bradley, Gary W., to Southwire Company. Method and apparatus for forming a stranded conductor. 4,843,696, 7-4-89, Cl. 29-33.00F.
- Gentry, Cecil C., to Phillips Petroleum Company. Heat exchange apparatus. 4,882,283, 11-21-89, Cl. 435-316.000.
- Gentry, Charles B., to Granco-Clark, Inc. Temperature controlled probe assembly. 4,889,483, 12-26-89, Cl. 432-49.000.
- Gentry, Dennis L.: *See—*
  - Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,875,662, Cl. 266-44.000.
  - Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,880,211, Cl. 266-44.000.
- Gentry, Edward. Automotive transmission lock. 4,817,405, 4-4-89, Cl. 70-247.000.
- Gentry, Melvin: *See—*
  - Camillo, David B.; and Gentry, Melvin, 4,817,796, Cl. 206-396.000.
- Gentry, Milton L., Jr.: *See—*
  - Croes, Rosimbo E.; Gentry, Alice V.; Gentry, Milton L., Jr.; and Kendrick, Melvin R., 4,827,447, Cl. 364-900.000.

- Gentry, Rebecca A.; and Martukanitz, Richard P., to Aluminum Company of America. Aluminum base copper-lithium-magnesium welding alloy for welding aluminum lithium alloys. 4,848,647, 7-18-89, Cl. 228-263.170.
- Gentry, Roger. Single shot falling block action rifle. 4,879,827, 11-14-89, Cl. 42-23.000.
- Gentsu, Noriaki: *See—*
  - Morioka, Yoshihiro; Kobayashi, Masaaki; Takeuchi, Akihiro; Nagaoka, Yoshitomi; Gentsu, Noriaki; and Nagasaki, Sakon, 4,864,421, Cl. 358-310.000.
- Genuit, Gerard: *See—*
  - Dumas, Jean-Claude; Thoraval, Maurice; and Genuit, Gerard, 4,840,221, Cl. 165-41.000.
- Genuit, Klaus: *See—*
  - Glaeser, Karl C.; Lohmuller, Detlef; Tilmans, Heinz; Genuit, Klaus; Cardinal, Joachim; and Buhr, Gerhard, 4,814,632, Cl. 307-116.000.
- Genuit, Luther L., to Honeywell Bull Inc. Protective grounding and referencing arrangement for high voltage bulk supply. 4,882,646, 11-21-89, Cl. 361-42.000.
- Genus, Inc.: *See—*
  - Boys, Donald R.; and Graves, Walter E., 4,795,299, Cl. 414-217.000.
  - Brors, Daniel L., 4,851,295, Cl. 428-450.000.
- Genusov, Alex: *See—*
  - Barkan, Mordecai; Genusov, Alex; Granski, Michael; Budnik, Paul; and Retter, Refael, 4,802,111, Cl. 364-724.100.
- Genvention, Inc.: *See—*
  - Towsend, Marvin S., 4,842,175, Cl. 224-275.000.
  - Towsend, Marvin S., 4,862,509, Cl. 381-163.000.
- Geo-Centers, Inc.: *See—*
  - Darrah, Shirley D.; DiGiusseppe, Thomas G.; Marram, Edward P.; Kamin, Richard A.; Nowack, Clarence; and Steendal, Rolf, 4,842,410, Cl. 356-357.000.
- GEO Condor, Inc.: *See—*
  - Arribau, Jorge O.; and Dorn, Russell J., 4,850,702, Cl. 366-136.000.
- GEO International: *See—*
  - Gergin, Emile, 4,835,465, Cl. 321-158.00F.
- Geodis: *See—*
  - Cour, Francis, 4,806,049, Cl. 405-161.000.
- Geodisplay Technology Limited Partnership: *See—*
  - Soulis, Donald J.; and Daniels, Neil A., 4,873,513, Cl. 340-723.000.
- Geodynamik H. Thurner AB: *See—*
  - Sandstrom, Ake J., 4,870,601, Cl. 364-550.000.
- Geoflow International Pty. Limited: *See—*
  - Kelsey, Christopher G., 4,842,245, Cl. 251-212.000.
  - Kelsey, Christopher G.; and McKenzie, Ian R., 4,858,887, Cl. 251-212.000.
  - Kelsey, Christopher G., 4,889,317, Cl. 251-212.000.
- Geoghegan, Edward J.: *See—*
  - Panoz, Donald E.; and Geoghegan, Edward J., 4,820,521, Cl. 424-458.000.
  - Panoz, Donald E.; and Geoghegan, Edward J., 4,826,688, Cl. 424-458.000.
  - Panoz, Donald E.; and Geoghegan, Edward J., 4,863,742, Cl. 424-473.000.
- Geokezas, Meletios: *See—*
  - Michalopoulos, Panos G.; Fundakowski, Richard A.; Geokezas, Meletios; and Fitch, Robert C., 4,847,772, Cl. 364-436.000.
- Geolograph Pioneer, Inc.: *See—*
  - Williams, Henry L., 4,802,502, Cl. 137-382.000.
- Geophysical Company of Norway A.S.: *See—*
  - Dragsund, Inge; and Gjestrum, Einar, 4,831,599, Cl. 367-15.000.
  - Fredriksen, Paul, 4,812,978, Cl. 364-421.000.
  - Haughland, Tor-Avid; Kleiven, Atle; and Selvaer, Ole K., 4,860,264, Cl. 367-17.000.
- Geophysical Engineering Company: *See—*
  - Assaf, Gad; and Bronicki, Lucien, 4,801,811, Cl. 290-55.000.
  - Assaf, Gad, 4,803,846, Cl. 62-94.000.
  - Assaf, Gad, 4,819,447, Cl. 62-271.000.
  - Assaf, Gad, 4,841,740, Cl. 62-271.000.
  - Assaf, Gad, 4,869,070, Cl. 62-94.000.
  - Assaf, Gad, 4,872,315, Cl. 62-94.000.
- Geophysical Service Inc.: *See—*
  - Black, James L.; and Wason, Cameron B., 4,878,204, Cl. 367-53.000.
  - Nelsen, Pete E.; and Ghelani, Jitendra K., 4,805,128, Cl. 364-715.030.
- Georg Fischer Aktiengesellschaft: *See—*
  - Baumann, Gerhard; and Kramer, Herbert, 4,819,385, Cl. 51-241.00B.
  - Bernath, Oskar, 4,838,975, Cl. 156-564.000.
  - Fischer, Kurt; and Leutwiler, Hans, 4,828,007, Cl. 164-37.000.
  - Fischer, Kurt, 4,828,013, Cl. 164-169.000.
  - Gantke, Franz, 4,881,851, Cl. 405-204.000.
  - Gogel, Andreas, 4,817,670, Cl. 137-884.000.
  - Greulich, Walter; Gut, Karl; Hornung, Klaus; and Schulte, Guther, 4,798,178, Cl. 123-90.600.
  - Hanselka, Reinhard, 4,876,041, Cl. 264-25.000.
  - Hauke, Wilhelm, 4,887,661, Cl. 164-55.100.
  - Hillebrand, Eduard, 4,826,133, Cl. 251-306.000.
  - Joern, Alfred; and Weimann, Wendelin, 4,860,817, Cl. 164-169.000.
  - Kempf, Helmut; and Kopp, Hans, 4,798,418, Cl. 301-31.000.
  - Lehmann, Ernesto; and Thalmann, Alred, 4,869,533, Cl. 285-21.000.
  - McNally, Terence, 4,831,790, Cl. 51-410.000.
  - Overath, Friedhelm; and Weyer, Michael, 4,883,550, Cl. 156-171.000.
  - Riethmann, Max; and Schilling, Herbert, 4,832,111, Cl. 164-457.000.
  - Ring, Manfred; Weber, Jurgen; and Ackermann, Helmut, 4,854,707, Cl. 356-356.000.
  - Thalmann, Alfred; and Thalmann, Jurg, 4,825,543, Cl. 30-96.000.
  - Toelke, Peter; and Greulich, Walter, 4,881,680, Cl. 228-182.000.
  - Weimann, Wendelin, 4,878,534, Cl. 164-154.000.
  - Wermelinger, Jorg, 4,830,410, Cl. 285-156.000.
- Georg Knoblauch, Firma: *See—*
  - Rau, Georg, 4,815,597, Cl. 206-375.000.
- Georg Rost & Soehne, Armaturenfabrik GmbH & Co. KG.: *See—*
  - Strangfeld, Reiner, 4,813,085, Cl. 4-363.000.
- Georgalas, Arthur C. W.; and Deckner, George E., to Charles of the Ritz Group Ltd. Skin treatment composition and method for treating burned skin. 4,837,019, 6-6-89, Cl. 424-101.000.
- Georgalas, Arthur C. W.: *See—*
  - Deckner, George E.; and Georgalas, Arthur C. W., 4,847,267, Cl. 514-311.000.
- Georgalas, Nick: *See—*
  - Cowles, Richard A.; Georgalas, Nick; and Shah, Shailesh C., 4,797,444, Cl. 524-501.000.
- Geo. A. Hormel & Co.: *See—*
  - Ruzek, David C., 4,812,320, Cl. 426-393.000.
- George A. Mitchell Company: *See—*
  - Alexoff, Randall L., 4,799,412, Cl. 83-54.000.
- George, Alan D., to British Aerospace Public Limited Company. Fluid flow control nozzles. 4,848,669, 7-18-89, Cl. 239-539.000.
- George, Alan E.: *See—*
  - Schriver, John G.; Riffel, William L.; Scheible, John D.; and George, Alan E., 4,864,654, Cl. 2-84.000.
- George, Albert L.; and Gooch, Don. System for harvesting crawfish. 4,798,020, 1-17-89, Cl. 43-6.500.
- George, Albert L. Water clarification method and apparatus. 4,824,579, 4-25-89, Cl. 210-703.000.
- George Angus & Company Limited: *See—*
  - Johnston, David E., 4,799,693, Cl. 277-96.100.
  - Johnston, David E., 4,815,749, Cl. 277-134.000.
- George, Ashok K., to General Instrument Corporation. Refined tuning of RF receiver with frequency-locked loop. 4,823,399, 4-18-89, Cl. 455-192.000.
- George Blair Public Limited Company: *See—*
  - Bishop, Frank W., 4,854,807, Cl. 414-498.000.
- George, Carroll H.; Lynott, Guy W.; and Pargellis, Andrew N., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for continuous throughput in a vacuum environment. 4,812,101, 3-14-89, Cl. 414-220.000.
- George, Carroll H.; and Rust, Ray D., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for feeding and coating articles in a controlled atmosphere. 4,812,217, 3-14-89, Cl. 204-192.120.
- George, Clifford L., to Xerox Corporation. High speed duplicator with copy sheet prepackaged shipping and loading carton. 4,802,586, 2-7-89, Cl. 206-556.000.
- George, Clifford L.; and Nagel, Richard H., to Xerox Corporation. Copy sheet prepackaged, shipping and loading wrapper for use in a high volume duplicator. 4,830,186, 5-16-89, Cl. 206-449.000.
- George, Craig A., to Eastman Kodak Company. Continuous form carrier card separator. 4,865,477, 9-12-89, Cl. 400-531.000.
- George, David S.: *See—*
  - Freeman, Kenneth G.; George, David S.; and Knapp, Alan G., 4,870,328, Cl. 315-366.000.
- George, Edward J.; and George, Frances. Adjustable shower head. 4,881,282, 11-21-89, Cl. 4-604.000.
- George, Edward K.; Jung, Roger E.; and Mills, Brian P., to Telephone Cables Limited. Distribution frame for optical fibers. 4,818,054, 4-4-89, Cl. 350-96.200.
- George, Eric R., to Shell Oil Company. Mineral filled polyketone blend. 4,851,470, 7-25-89, Cl. 524-612.000.
- George, Eric R., to Shell Oil Company. Coating process. 4,861,675, 8-29-89, Cl. 428-501.000.
- George, Eric R.; and Gergen, William P., to Shell Oil Company. Composition comprising a blend of an ethylene-carbon monoxide interpolymer and a maleated, partially hydrogenated block copolymer. 4,868,242, 9-19-89, Cl. 525-64.000.
- George, Eric R.; Danforth, Richard L.; and Byrd, Paul S., to Shell Oil Company. Polymer blend. 4,874,801, 10-17-89, Cl. 523-214.000.
- George, Eric R.; Lutz, Robert G.; and Smutny, Edgar J., to Shell Oil Company. Polymer blend. 4,874,819, 10-17-89, Cl. 525-185.000.
- George, Eric R., to Shell Oil Company. Mica and glass reinforced polyketone polymers. 4,880,865, 11-14-89, Cl. 524-449.000.
- George Fischer Limited: *See—*
  - Mutschlechner, Hermann; Platzer, Herbert; and Pavlovsky, Rudolf, 4,817,919, Cl. 266-245.000.
- George, Flint R.; and George, Kevin R., to Halliburton Company. Method and apparatus for perforating well bores using differential pressure. 4,862,964, 9-5-89, Cl. 166-297.000.
- George, Flint R.: *See—*
  - Wesson, David S.; McMahan, Michael E.; and George, Flint R., 4,804,044, Cl. 166-297.000.
- George, Frances: *See—*
  - George, Edward J.; and George, Frances, 4,881,282, Cl. 4-604.000.
- George, Frederick A., to George & Thomas Cone Company. Cone package. 4,840,276, 6-20-89, Cl. 206-499.000.

George, Gary P., to Stout Industries, Inc. Double pole spanner display. 4,798,031, 1-17-89, Cl. 52-309.110.
George, Harry S. Hot air balloon and methods and devices for augmenting buoyancy, rate of lift, safety, envelope life and economy. 4,865,2[illegible], 9-12-89, Cl. 244-31.000.
George, Henry F.: *See—*
Stamer, Michael E.; and George, Henry F., 4,827,280, Cl. 349-1.100.
George, James H.: *See—*
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George, Janet L.: *See—*
George, Max A.; and George, Janet L., 4,794,716, Cl. 40-158.100.
George, John J.: *See—*
Tan, Josef K. S.; Baker, Jeffrey A.; Beczkiewicz, Pawel J.; and George, John J., 4,825,872, Cl. 128-633.000.
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Haugen, David M.; Wesson, David S.; Luke, Robert R.; and George, Kevin R., 4,800,958, Cl. 166-55.100.
Sommers, Kenneth C.; Wesson, David S.; and George, Kevin R., 4,889,183, Cl. 166-55.000.
Wesson, David S.; and George, Kevin R., 4,836,109, Cl. 102-312.000.
George Koch Sons, Inc.: *See—*
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George, Larry D.: *See—*
Catalano, Gennaro J.; and George, Larry D., 4,822,680, Cl. 428-425.600.
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George, Larry T., to Household Manufacturing, Inc. Uniform strain vibration damper. 4,850,243, 7-25-89, Cl. 74-574.000.
George, Louis J.; and Taylor, Lloyd D., to Polaroid Corporation. Image-receiving element for diffusion transfer photographic product. 4,873,171, 10-10-89, Cl. 430-213.000.
George, Matthew A.: *See—*
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George, Max A.; and George, Janet L. Display mount device. 4,794,716, 1-3-89, Cl. 40-158.100.
George, Michael; Pierson, Lyndon G.; and Wilkins, Mark E., to United States of America, Energy. Universal null DTE. 4,841,550, 6-20-89, Cl. 375-118.000.
George, Nicholas; and Stone, Thomas W., to University of Rochester, The. Optical systems using volume holographic elements to provide arbitrary space-time characteristics, including frequency-and/or spatially-dependent delay lines, chirped pulse compressors, pulse hirpers, pulse shapers, and laser resonators. 4,834,474, 5-30-89, Cl. 350-3.650.
George Normann & Associates: *See—*
Normann, George W., Jr., 4,809,417, Cl. 29-160.600.
George, Pascal; and Allen, John, to Synthelabo. Imidopyridines useful in therapy. 4,808,594, 2-28-89, Cl. 514-300.000.
George, Pascal; and De Peretti, Daniele, to Synthelabo. 1-(acylaminomethyl)imidazo(1,2-A)quinoline derivatives, their preparation and their application in therapy. 4,810,711, 3-7-89, Cl. 514-292.000.
George, Pascal; Allen, John; Jaurand, Guy; and De Peretti, Daniele, to Synthelabo. Imidazopyridine derivatives and compositions containing them. 4,847,263, 7-11-89, Cl. 514-300.000.
George, Pascal; Sevrin, Mireille; and Maloizel, Christian. 2-((4-Piperidyl)methyl)-1,2,3,4-tetrahydroisoquinoline derivatives, their preparation and their application in therapy. 4,885,302, 12-5-89, Cl. 514-307.000.
George, Paul L.; Waxman, David M.; Sybel, Randall T.; Mednick, Elliot H.; O'Brien, Kevin J.; and Spatara, Joseph M., to Prime Computer, Inc. Method for disk I/O transfer. 4,885,691, 12-19-89, Cl. 364-300.000.
George, Peter K.: *See—*
Mowry, Greogory S.; Mitchell, Terry B.; Tolman, Charles H.; and George, Peter K., 4,821,133, Cl. 360-113.000.
George, Rhett T., Jr.: *See—*
Wilson, James F.; George, Rhett T., Jr.; and Chen, Zhenhai, 4,876,944, Cl. 91-35.000.
George, Richard A.: *See—*
Blankenship, David J.; George, Richard A.; and Czaplewski, Steven E., 4,825,923, Cl. 152-213.00A.
George, Robert D., to Sherwood Medical Company. Collapsible urethral catheter. 4,861,337, 8-29-89, Cl. 604-96.000.
George, Robert W., II: *See—*
Benayad-Cherif, Faycal E. K.; Maddox, James F.; and George, Robert W., II, 4,815,840, Cl. 356-1.000.
Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., 4,815,008, Cl. 364-513.000.
Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., 4,829,442, Cl. 364-449.000.
George, Sherman L., to Metroplex Action, Inc. Mounting and display medium for a visual display. 4,825,574, 5-2-89, Cl. 40-158.100.
George & Thomas Cone Company: *See—*
George, Frederick A., 4,840,276, Cl. 206-499.000.
George Washington University, The: *See—*
Hollinshead, Ariel C., 4,810,781, Cl. 530-413.000.
George Weston Limited: *See—*
Lawford, Hugh G., 4,808,526, Cl. 435-161.000.
Lawford, Hugh G., 4,808,527, Cl. 435-161.000.
Lawford, Hugh G., 4,812,410, Cl. 435-161.000.
Lawford, Hugh G., 4,816,399, Cl. 435-161.000.
Lawford, Hugh G., 4,830,964, Cl. 435-162.000.
Lawford, Hugh G., 4,840,902, Cl. 435-161.000.
George, William A.: *See—*
Grossman, Mark W.; and George, William A., 4,800,284, Cl. 250-505.100.
Grossman, Mark W.; and George, William A., 4,839,524, Cl. 250-505.100.
Grossman, Mark W.; and George, William A., 4,855,635, Cl. 313-156.000.
Grossman, Mark W.; and George, William A., 4,879,010, Cl. 204-105.00R.
Georgel, Jean; Monvoisin, Jacques; and Trubert, Valdo, to Thomson CSF. Method for assembling the constitutive elements of an antenna reflector. 4,808,254, 2-28-89, Cl. 156-245.000.
Georgel, Jean-Claude: *See—*
Auvert, Geoffroy; Georgel, Jean-Claude; and Guern, Yves, 4,825,034, Cl. 219-121.720.
Georger, Jacque H.: *See—*
Schnur, Joel M.; Price, Ronald; Yager, Paul; Schoen, Paul; Georger, Jacque H.; and Singh, Alok, 4,877,501, Cl. 204-157.640.
Georges, Alain: *See—*
Boula, Gerard; and Georges, Alain, 4,839,951, Cl. 29-157.400.
Georges, Benne Jean: *See—*
Patrick, Giraud; Georges, Benne Jean; Michele, Guittet; and Didier, Toquin, 4,810,493, Cl. 424-89.000.
Georges, Eric: *See—*
Verdier, Claude; Leporcq, Bruno; Georges, Eric; and Barraud, Roger, 4,866,729, Cl. 372-89.000.
Georges, Philippe; and Wagner, Bruno, to Institut de Recherches de la Siderurgie Francaise. Inductor for the inductive reheating of metallurgical products. 4,828,227, 5-9-89, Cl. 266-90.000.
Georges, William H.: *See—*
Puzio, Daniel; Georges, William H.; and Bevilacqua, Gary L., 4,842,118, Cl. 192-150.000.
Georget, Pierre, to Hutchinson. Endless power transmission belt. 4,822,324, 4-18-89, Cl. 474-268.000.
Georgetown University: *See—*
Horak, Vaclav; and Mala, Mani, 4,801,678, Cl. 528-219.000.
Georghegan, William D., to Board of Regents, The University of Texas System. Immunoglobulin adsorption. 4,880,751, 11-14-89, Cl. 436-518.000.
Georgi, Bernd: *See—*
Breyer, Karl-Hermann; Schepperle, Karl; Georgi, Bernd; and Wimmer, Martin, 4,835,718, Cl. 364-560.000.
Georgi, Donald K.; Basile, Andrew X.; and Graupmann, Lloyd E., to Bio-Medicus, Inc. Blood flow detection device. 4,881,413, 11-21-89, Cl. 73-861.120.
Georgi, Jay R.; and Wade, Susan E., to Cornell Research Foundation, Inc. Artificial system and method for breeding fleas. 4,850,305, 7-25-89, Cl. 119-1.000.
Georgia Kaolin Company, Inc.: *See—*
Bowman, James A.; and Andrews, Ronald W., 4,888,315, Cl. 501-144.000.
Georgia Oil & Gas Co., Inc.: *See—*
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Georgia-Pacific Corporation: *See—*
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Hahn, Patrick P., 4,865,458, Cl. 366-160.000.
Jespersen, Paul, 4,856,724, Cl. 242-55.300.
Lehnert, Charles W.; and Randall, Brian G., 4,810,569, Cl. 428-285.000.
Lehnert, Charles W.; and Fowler, George F., Jr., 4,811,538, Cl. 52-455.000.
Presley, Ronnie D., 4,816,164, Cl. 210-710.000.
Randall, Brian G., 4,879,173, Cl. 428-285.000.
Ravins, Thomas L.; and Greve, Dale R., 4,818,287, Cl. 106-38.300.
Georgia-Pacific Resins, Inc.: *See—*
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Erbil, Ahmet, 4,882,206, Cl. 427-229.000.
Hughes, David W.; and Feeney, Robert K., 4,820,657, Cl. 437-172.000.
Hughes, David W.; Feeney, Robert K.; and Hertling, David R. 4,874,711, Cl. 437-8.000.
Logan, Kathryn V., 4,888,166, Cl. 423-297.000.
Powers, James C.; and Kam, Chih-Min, 4,845,242, Cl. 549-283.000.
Rogers, Peter H.; and Cox, Helen M., 4,819,649, Cl. 128-660.020.
Georgia Tech Research Institute: *See—*
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Georgiev, Georgi G.: *See—*
Butchkov, Dimiter T.; Dragieva, Yovka D.; Nikolov, Zvetan K.; Georgiev, Georgi G.; Slavtcheva-Staikova, Mina S.; and Grodanova, Ivanka S., 4,822,409, Cl. 75-0.5AA.
Georgiev, Georgi M.: *See—*
Georgieva, Maria I.; and Georgiev, Georgi M., 4,816,483, Cl. 514-558.000.
Georgiev, Vassil S.; and Mullen, George B., to Pennwalt Corporation. 5-alkyl(or alkenyl)-3-phenyl-3-(1H-imidazol-1-ylmethyl)-2-methylisoxazolidines. 4,831,154, 5-16-89, Cl. 548-240.000.

Georgiev, Vassil S.; and Mullen, George B., to Pennwalt Corporation. 3,5-diphenyl-3-[(1H-imidazol-1-ylmethyl) or (1H-1,2,4-triazol-1-ylmethyl)]-2-methyl-4-isoxazolines. 4,835,283, 5-30-89, Cl. 548-240.000.
Georgiev, Vassil S.; Kinsolving, Clyde R.; and Mack, Robert A. Antiallergy treatment using 2-(substituted amino)-4,5-dihydro-4-oxo-3-furancarboxylic acids and derivatives thereof. 4,845,122, 7-4-89, Cl. 514-472.000.
Georgiev, Vassil S.; and Mullen, George B., to Fisons Corporation. α-Substituted ketonitrone derivatives. 4,871,862, 10-3-89, Cl. 548-262.000.
Georgieva, Maria I.; and Georgiev, Georgi M., to TPO "Pharmachim". Composition and method for treatment and metaphylaxis of urate and mixed urate lithiasis. 4,816,483, 3-28-89, Cl. 514-558.000.
Georgii, Hans, to Hydro Betong AB. Off-shore-complex. 4,799,828, 1-24-89, Cl. 405-195.000.
Georgino, John M. Article and method for installing insulation. 4,856,247, 8-15-89, Cl. 52-404.000.
Georgiou, Christos J., to International Business Machines Corporation. Switched network of optical buses. 4,829,511, 5-9-89, Cl. 370-4.000.
Georgiou, Christos J.; and Lebizay, Gerald, to International Business Machines Corporation. Switching system for integrated voice/data communications. 4,845,704, 7-4-89, Cl. 370-58.000.
Georgiou, Christos J.; Lien, Yeong-Chang L.; and Maruyama, Kiyoshi, to International Business Machines Corporation. Switching array with concurrent marking capability. 4,879,551, 11-7-89, Cl. 340-825.870.
Georgiou, Christos J.: *See—*
Dishon, Yitzhak; and Georgiou, Christos J., 4,849,978, Cl. 371-51.000.
Georgiou, Efstratios: *See—*
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Georgis, Steven P.; Beavers, Kelly J.; and Haugland, Steve E., to Exabyte Corporation. Cyclical servo zone tracking method and apparatus for helical scan recording devices. 4,843,495, 6-27-89, Cl. 560-77.150.
Georgis, Steven P.; Rodriguez, Juan A.; and Pisciotta, E. Christopher, to Exabyte Corporation. Apparatus and method for enabling rapid searching of helically recorded magnetic tape. 4,845,577, 7-4-89, Cl. 360-72.200.
Georgopoulos, Philip; and Langkau, John, to Eveready Battery Company. Electrochemical cell with internal circuit interrupter. 4,855,195, 8-8-89, Cl. 429-54.000.
Georich Services (Proprietary) Limited: *See—*
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Georlette, Pierre; Goren, Hanoch; Shmilowitz, Shaul; and Teuerstein, Avraham, to Bromine Compounds Limited. Granular flame retardant agents and process for their preparation. 4,849,134, 7-18-89, Cl. 252-601.000.
Georlette, Pierre: *See—*
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Geortzel, Gerald: *See—*
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Geoscience, Ltd.: *See—*
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Geoservices, Societe Anonyme: *See—*
Issenmann, Olivier, 4,798,805, Cl. 436-157.000.
Geosits, John P.: *See—*
Davis, Lester W., Jr.; Geosits, John P.; Juedes, Dennis L.; and Kiczek, Edward F., 4,859,173, Cl. 431-175.000.
Geosource, Inc.: *See—*
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GeoSpectra Corporation: *See—*
Pleitner, Peter K.; and Vincent, Robert K., 4,802,757, Cl. 356-2.000.
Geostar Corporation: *See—*
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Geotronics AB: *See—*
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GEP Groupe Pasquier: *See—*
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Gephart, John D.; and Jerila, Torsti T. T., to Acme General Corporation. Sliding door wheel retainer. 4,811,683, 3-14-89, Cl. 16-97.000.
Gepjarmu Javito Kisszovetkezet: *See—*
Nemeth, Istvan; Simon, Bela; and Nemeth, Istvan, 4,885,846, Cl. 33-203.130.
Geppert, Helmut. Frame for band conveying devices. 4,877,127, 10-31-89, Cl. 198-860.300.
Gerace, Anthony. Thermal ignition method and apparatus for internal combustion engines. 4,838,213, 6-13-89, Cl. 123-27.00R.
Gerald Conway & Company: *See—*
Schott, David B.; Kump, Danny J.; and Conway, Gerald A., 4,860,905, Cl. 211-59.100.
Geraldton Waxflower Marketers Pty. Ltd.: *See—*
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Geralyn M. Schroeder: *See—*
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Gerard A. Wurdack & Associates, Inc.: *See—*
Wurdack, Gerard A; and Helton, Frank F., 4,804,899, Cl. 318-[illegible]00.000.
Gerard, Claude, to Saft S.A. Support frame for storage battery cells. 4,883,725, 11-28-89, Cl. 429-99.000.
Gerard, Eude. Hybrid coding process by transformation for the transmission of picture signals. 4,827,338, 5-2-89, Cl. 358-136.000.
Gerard, Guy: *See—*
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Podeschwa, Horst; Gerard, Joachim; and Schoepe, Wolfgang, 4,821,595, Cl. 74-479.000.
Gerard, Moinet; and Michel, Schaefer, to Albert Rolland, S.A. Novel heterocyclic compounds substituted with an amino group, their processes of manufacture and the pharmaceutical compositions containing them. 4,826,861, 5-2-89, Cl. 514-371.000.
Gerardo, James B.: *See—*
Ashby, Carol I. H.; Brannon, Paul J.; and Gerardo, James B., 4,838,989, Cl. 156-628.000.
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Gerbehy, Jay L.: *See—*
Burkhardt, Kenneth J., Jr.; Gerbehy, Jay L.; Skapinetz, Theodore J.; and Bremond-Gregoire, Patrice M. A., 4,866,664, Cl. 364-900.000.
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Gerbel, Jack, to Business Records Corporation. Ballot for use in automatic tallying apparatus. 4,807,908, 2-28-89, Cl. 283-5.000.
Gerber, Arthur M. System for recording digital information using a regular array of discrete micromirrors. 4,807,218, 2-21-89, Cl. 369-100.000.
Gerber, Arthur M. Method of recording digital information on an array of equally spaced micromirrors. 4,811,326, 3-7-89, Cl. 369-109.000.
Gerber, Arthur M. Medium for recording digital information using an array of equally spaced micromirrors. 4,811,331, 3-7-89, Cl. 369-275.000.
Gerber, Arthur M. Method of making a digital recording medium. 4,812,218, 3-14-89, Cl. 204-192.270.
Gerber, Arthur M. Method of making and pretesting a digital recording medium. 4,855,984, 8-8-89, Cl. 369-54.000.
Gerber, Bernard R., to Reseal International Limited Partnership. Valve assembly. 4,846,810, 7-11-89, Cl. 604-247.000.
Gerber, Charles H.: *See—*
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Gerber, Curtis E., to Tampa G Manufacturing Co. Windshield for golf cart. 4,795,205, 1-3-89, Cl. 296-77.100.
Gerber, Curtis E., to Tampa G Manufacturing Company. Frame for fold down top for vehicles. 4,846,524, 7-11-89, Cl. 296-116.000.
Gerber, Curtis E. Fruit harvesting machine. 4,888,941, 12-26-89, Cl. 56-328.100.
Gerber Garment Technology, Inc.: *See—*
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Osthus, Harold L.; de Raismes, John F.; Wolfson, Lawrence S.; and Vaida, Robert M., 4,840,123, Cl. 104-100.000.
Vaida, Robert M.; and Osthus, Harold L., 4,848,538, Cl. 198-803.700.
Vaida, Robert M.; Osthus, Harold L.; and Kuchta, Richard, 4,884,510, Cl. 104-91.000.
Gerber, Gary A., to Gerber Group, Ltd. Invisible mount roof rack. 4,858,803, 8-22-89, Cl. 22.4-329.000.
Gerber Group, Ltd.: *See—*
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Gerber, Heinz J., to Gerber Garment Technology, Inc. Vacuum supply system for movable cutter. 4,836,072, 6-6-89, Cl. 83-152.000.
Gerber, Heinz J., to Gerber Scientific, Inc. Cutter head and knife for cutting sheet material. 4,841,822, 6-27-89, Cl. 83-174.000.
Gerber, Heinz J., to Gerber Scientific, Inc. Apparatus and method for determining a color for use in a fashion design. 4,843,574, 6-27-89, Cl. 364-526.000.
Gerber, Heinz J., to Gerber Scientific, Inc. Reciprocating knife cutter with flexible drive portion. 4,879,935, 11-14-89, Cl. 83-748.000.
Gerber, Jay D., to Norden Laboratories, Inc. Vaccine formulation. 4,806,350, 2-21-89, Cl. 424-88.000.
Gerber Legendary Blades, Inc.: *See—*
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Gerber, Manfred: *See—*
Krebs, Rolf; Welsing, Otto; Retzlaff, Friedhelm; Gunter, Friedhelm; Wahl, Hans-Jurgen; Gerber, Manfred; and Gross, Heinz, 4,827,099, Cl. 219-121.630.
Gerber, Martin; and Naujoks, Kurt W., to Boehringer Mannheim GmbH. Monoclonal anti-alpha-amylase antibody which non-specifi-

cally inhibits the enzyme activity of human alpha-amylase. 4,863,728, 9-5-89, Cl. 424-85.800.

- Gerber, Mary E. Hinge having varied height offset leafs. 4,864,688, 9-12-89. Cl. 16-261.000.
- Gerber Products Company: *See—*
  - Meyers, Kenneth A., 4,795,056, Cl. 220-306.000.
- Gerber Products Company, Inc.: *See—*
  - Quinlan, Robert L., Jr.; and Jankowski, Mark D., 4,795,209, Cl. 297-153.000.
- Gerber, Reinhold: *See—*
  - Rush, Jonathan E.; Scalvini, Phillip D.; and Gerber, Reinhold, 4,877,151, Cl. 206-514.000.
- Gerber Scientific, Inc.: *See—*
  - Gerber, Heinz J., 4,841,822, Cl. 83-174.000.
  - Gerber, Heinz J., 4,843,574, Cl. 364-526.000.
  - Gerber, Heinz J., 4,879,935, Cl. 83-748.000.
  - Koso, Dusan A., 4,801,810, Cl. 250-572.000.
- Gerber Scientific Instrument Company, The: *See—*
  - Berdat, Henry F., 4,849,777, Cl. 354-4.000.
  - Pavone, Robert J., 4,816,847, Cl. 354-4.000.
  - Pavone, Robert J.; Davidson, Bruce L.; and Berdat, Henry F., 4,841,316, Cl. 354-4.000.
  - Straayer, Ronald J., 4,851,656, Cl. 250-201.000.
  - Straayer, Ronald J., 4,866,464, Cl. 250-235.000.
  - Straayer, Ronald J.; and Timmons, Raymond E., Jr., 4,867,566, Cl. 356-372.000.
- Gerber Scientific Instrument Company, Inc.: *See—*
  - Koso, Dusan A., 4,859,999, Cl. 340-799.000.
- Gerber Scientific Products, Inc.: *See—*
  - Logan, David J., 4,834,276, Cl. 226-76.000.
  - Wood. Kenneth O.; and Logan, David J., 4,799,172, Cl. 364-518.000.
  - Wood, Kenneth O.; and Strobel, Wolfgang M., 4,822,219, Cl. 409-137.000.
  - Wood, Kenneth O.; Ladue, John E.; and Logan, David J., 4,867,363, Cl. 226-76.000.
- Gerber, Ulrich G.; and Rugar, Daniel, to International Business Machines Corporation. Method and apparatus for encoding and direct overwriting of magneto-optic data. 4,872,078, 10-3-89, Cl. 360-114.000.
- Gerberding, Karl: *See—*
  - Bronstert, Klaus; Gerberding, Karl; and Jenne, Helmut, 4,835,220, Cl. 525-250.000.
- Gerbier, Alain: *See—*
  - Habermann, Helmut; Brunet, Maurice; and Gerbier, Alain, 4,866,318, Cl. 310-90.500.
- Gerbig, Barry V., Jr. Portable auxiliary automobile heater. 4,874,921, 10-17-89, Cl. 219-202.000.
- Gerbrandt, George, to Met-Line Inc. Digging implement or blade therefor. 4,852,279, 8-1-89, Cl. 37-252.000.
- Gercekci, Anil; Bron, Michel; and Hudson, Peter D., to Motorola, Inc. Data card circuits. 4,841,133, 6-20-89, Cl. 235-492.000.
- Gerch, Edward L., to Kingport International Corporation. Sports duffle bag with height expansible racket pocket. 4,805,748, 2-21-89, Cl. 190-103.000.
- Gerch, Edward L., to Kingport International Corporation. Duffel type sports bag. 4,805,749, 2-21-89, Cl. 190-111.000.
- Gerch, Edward L.; and Rosenfeld, Warner D., to Kingport International Corporation. Expandable garment carrier. 4,819,796, 4-11-89, Cl. 206-291.000.
- Gerch, Edward L.; and Rosenfeld, Warner D., to Kingport International Corporation. Duffle type sports bag. 4,830,154, 5-16-89, Cl. 190-103.000.
- Gerch, Edward L., to Kingport International Corporation. Keyholder for luggage. 4,860,563, 8-29-89, Cl. 70-456.00R.
- Gerchow, James R.; and Russell, Dennis K. Valve tappet apparatus. 4,809,651, 3-7-89, Cl. 123-90.500.
- Gerd, Fuhrer: *See—*
  - Christian, Klaus; and Gerd, Fuhrer, 4,811,825, Cl. 192-53.00F.
- Gerd Und Bernd Vieler KG: *See—*
  - Stenemann, Bruno, 4,842,349, Cl. 312-116.000.
- Gerdau, Thomas; Kleiner, Hans-Jerg; and Pawlowski, Georg, to Hoechst Aktiengesellschaft. Ethylenically unsaturated phosphinic acid and thiophosphinic acid isocyanates and isothiocyanates, and a process for their preparation. 4,859,795, 8-22-89, Cl. 564-12.000.
- Gerdau, Thomas: *See—*
  - Pawlowski, Georg; Kleiner, Hans-Jerg; and Gerdau, Thomas, 4,859,562, Cl. 430-175.000.
- Gerdes, Erwin, to MBB GmbH. Support for stock in a cutter. 4,799,415, 1-24-89, Cl. 83-177.000.
- Gerdes, Keith W., to General Electric Company. Cabinet corner cap and method of assembly. 4,805,370, 2-21-89, Cl. 52-716.000.
- Gerdes, Robert W.: *See—*
  - Binversie, Gregory J.; Gerdes, Robert W.; and Macier, James E., 4,795,383, Cl. 440-89.000.
- Gerdt, David W., to Sperry Marine Inc. Fiber optic fabrication furnace. 4,879,454, 11-7-89, Cl. 219-494.000.
- Gerdt, David W.: *See—*
  - Gilligan, Lawrence H.; and Gerdt, David W., 4,882,481, Cl. 250-213.0VT.
- Gerdts, Uwe, to Dragerwerk Aktiengesellschaft. Device for the decomposition of a multicomponent gas and to a method of operating the system for the decomposition of gases. 4,832,714, 5-23-89, Cl. 55-158.000.
- Gere, Aniko: *See—*
  - Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
  - Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.
- Geremia, Nonini, to Danieli & C. Officine Meccaniche SpA. System and method for moving skips and pressing scrap in a skip. 4,799,426, 1-24-89, Cl. 100-218.000.
- Geremia, Nonini, to Danieli & C. Officine Meccaniche SpA. Method for pressing scrap in a skip. 4,815,371, 3-28-89, Cl. 100-35.000.
- Geren, David K. Energized acoustic labyrinth. 4,800,983, 1-31-89, Cl. 181-155.000.
- Geren, James G.: *See—*
  - Cellini, John V.; Ronghi, Mario F.; and Geren, James G., 4,880,504, Cl. 202-185.600.
- Gerety, Eugene P.; and Vij, Jitender K., to ITT Corporation. Device interface controller having device specific and device common instructions separately stored. 4,800,523, 1-24-89, Cl. 364-900.000.
- Gerety, Eugene P.; and Vij, Jitender K., to ITT Corporation. Device interface controller for intercepting communication between a microcomputer and peripheral devices to control data transfers. 4,821,180, 4-11-89, Cl. 364-200.000.
- Gerez, Jean-Michel: *See—*
  - Huvey, Michel; Do, Anh T.; Gerez, Jean-Michel; and Le Gallais, Lucien, 4,858,653, Cl. 138-144.000.
- Gerfast, Sten R. Stator or rotor based on permanent magnet segments. 4,814,654, 3-21-89, Cl. 310-154.000.
- Gerfast, Sten R. Dynamoelectric machine having ironless stator coil. 4,883,981, 11-28-89, Cl. 310-40.00R.
- Gergely, Gerhard; Gergely, Thomas; and Gergely, Irmgard. Disintegrating tablet and process for its preparation. 4,832,956, 5-23-89, Cl. 424-466.000.
- Gergely, Gerhard; Gergely, Irmgard; Gergely, Stefan M.; and Gergely, Thomas. Process for the preparation of an effervescent granular material, effervescent granular material prepared by this process, as well as the use thereof. 4,867,942, 9-19-89, Cl. 424-466.000.
- Gergely, Gerhard; Gergely, Irmgard; and Gergely, Thomas. Process and means for the heat treatment of powdery or granulate material. 4,876,802, 10-31-89, Cl. 34-15.000.
- Gergely, Gerhard; Gergely, Thomas; and Gergely, Irmgard. Pharamaceutical preparations in the form of instant granules or tablets and process for their manufacture. 4,888,177, 12-19-89, Cl. 424-466.000.
- Gergely, Irmgard: *See—*
  - Gergely, Gerhard; Gergely, Thomas; and Gergely, Irmgard, 4,832,956, Cl. 424-466.000.
  - Gergely, Gerhard; Gergely, Irmgard; Gergely, Stefan M.; and Gergely, Thomas, 4,867,942, Cl. 424-466.000.
  - Gergely, Gerhard; Gergely, Irmgard; and Gergely, Thomas, 4,876,802, Cl. 34-15.000.
  - Gergely, Gerhard; Gergely, Thomas; and Gergely, Irmgard, 4,888,177, Cl. 424-466.000.
- Gergely, Istvan: *See—*
  - Bickert, Waltraud; Brunkhorst, Heide; Gergely, Istvan; and Oetzel, Wolfgang, 4,828,895, Cl. 428-65.000.
- Gergely, Stefan M.: *See—*
  - Gergely, Gerhard; Gergely, Irmgard; Gergely, Stefan M.; and Gergely, Thomas, 4,867,942, Cl. 424-466.000.
- Gergely, Stephen: *See—*
  - Economides, Apollo P.; Gergely, Stephen; and Walton, Christopher, 4,811,738, Cl. 128-419.0PG.
- Gergely, Thomas: *See—*
  - Gergely, Gerhard; Gergely, Thomas; and Gergely, Irmgard, 4,832,956, Cl. 424-466.000.
  - Gergely, Gerhard; Gergely, Irmgard; Gergely, Stefan M.; and Gergely, Thomas, 4,867,942, Cl. 424-466.000.
  - Gergely, Gerhard; Gergely, Irmgard; and Gergely, Thomas, 4,876,802, Cl. 34-15.000.
  - Gergely, Gerhard; Gergely, Thomas; and Gergely, Irmgard, 4,888,177, Cl. 424-466.000.
- Gergely, Vera: *See—*
  - Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kelner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.
  - Stadler nee Szoke, Agnes; Szejtli, Jozsef; Weiszfeiler, Viktor; Vargay, Zoltan; Kaloy, Katalin; Gergely, Vera; and Sass, Tamas, 4,826,963, Cl. 536-103.000.
- Gergen, W. P.: *See—*
  - Danforth, R. L.; Gergen, W. P.; and Neate, J. A., 4,857,147, Cl. 162-156.000.
- Gergen, William P.; and Lutz, Robert G., to Shell Oil Company. Impact resistant blends of thermoplastic polyesters and modified block copolymers. 4,797,447, 1-10-89, Cl. 525-92.000.
- Gergen, William P.; and Lutz, Robert G., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and a polyvinylidine fluoride polymer. 4,818,786, 4-4-89, Cl. 525-55.000.
- Gergen, William P., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and copolyester elastomer. 4,818,796, 4-4-89, Cl. 525-539.000.
- Gergen, William P.; and Lutz, Robert G., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and a poly(arylsulfone) polymer. 4,839,435, 6-13-89, Cl. 525-391.000.

- Gergen, William P.; and Lutz, Robert G., to Shell Oil Company. Blends of polyketone polymer with an at least partially crystalline polyamide polymer. 4,839,437, 6-13-89, Cl. 525-426.000.
- Gergen, William P.; and Lutz, Robert G., to Shell Oil Company. Polymer blend. 4,866,128, 9-12-89, Cl. 525-92.000.
- Gergen, William P., to Shell Oil Company. Polymer blend of carbon monoxide olefin copolymer and polyether esteramide polymer. 4,874,825, 10-17-89, Cl. 525-425.000.
- Gergen, William P.: *See—*
  - Danforth, Richard L.; Handlin, Dale L., Jr.; Gergen, William P.; and Lutz, Robert G., 4,851,482, Cl. 525-455.000.
  - George, Eric R.; and Gergen, William P., 4,868,242, Cl. 525-64.000.
  - Lutz, Robert G.; Gelles, Richard; and Gergen, William P., 4,795,782, Cl. 525-66.000.
  - Lutz, Robert G.; and Gergen, William P., 4,816,530, Cl. 525-472.000.
  - Lutz, Robert G.; and Gergen, William P., 4,870,133, Cl. 525-185.000.
  - Lutz, Robert G.; and Gergen, William P., 4,880,908, Cl. 525-468.000.
  - Pottick, Lorelle; Willis, Carl L.; Gergen, William P.; and Lutz, Robert G., 4,868,245, Cl. 525-98.000.
- Gergin, Emile, to [illegible] International. Testing apparatus for plated through-holes on printed circuit boards, and probe therefor. 4,835,465, 5-30-89, Cl. 321-158.00F.
- Gergoe, Bela, to General Motors Corporation. Closure latch control mechanism. 4,796,929, 1-10-89, Cl. 292-28.000.
- Gergoe, Bela, to General Motors Corporation. Vehicle door glass attachment to cable drive window regulator mechanism. 4,805,346, 2-21-89, Cl. 49-352.000.
- Gergory, Harbert S. Dental appliance. 4,884,311, 12-5-89, Cl. 15-167.100.
- Gerhard, Anton. Fixing element keyable in a hole in a solid base. 4,813,832, 3-21-89, Cl. 411-78.000.
- Gerhard Berger GmbH & Co. KG: *See—*
  - Schnebel, Gerhard; Kleis, Hansjorg; and Gfrorer, Ralf, 4,835,451, Cl. 318-696.000.
- Gerhard, Bruce; and Schulman, Bruce, to NEC Electronics Inc. Mass flow meter. 4,872,339, 10-10-89, Cl. 73-204.140.
- Gerhard, Hagele: *See—*
  - Amgar, Betz; and Gerhard, Hagele, 4,815,329, Cl. 74-422.000.
- Gerhard, Helmut, to Westerwaelder Eisenwerk Gerhard GmbH. Transport tank including slosh guard elements. 4,796,773, 1-10-89, Cl. 220-22.000.
- Gerhard, Helmut, to Westerwaelder Eisenwerk Gerhard GmbH. Pressure-resistant tank. 4,840,282, 6-20-89, Cl. 220-1.500.
- Gerhard, Helmut, to Westerwaelder Eisenwerk Gerhard GmbH. Tank container. 4,854,462, 8-8-89, Cl. 220-5.00A.
- Gerhard Rosorius: *See—*
  - Mullenmeister, Thomas, 4,888,475, Cl. 235-487.000.
- Gerhardinger, Dieter; Reisacher, Johannes; Stohr, Gunter; and Wegehaupt, Karl-Heinrich, to Wacker-Chemie GmbH. Thermoinsulating moldings containing a porous, inorganic thermoinsulating material and having an organopolysiloxane coating thereon. 4,804,579, 2-14-89, Cl. 428-304.400.
- Gerhards, Hermann J.: *See—*
  - Siegel, Herbert; Kampe, Klaus-Dieter; Alpermann, Hans G.; Gerhards, Hermann J.; Usinger, Patricia; Schacht, Ulrich; Leven, Margret; Raether, Wolfgang; Dittmar, Walter; and Sachse, Burkhard, 4,876,354, Cl. 548-341.000.
- Gerhards, Klaus, to Barmag AG. Method of threading a yarn processing nozzle. 4,796,340, 1-10-89, Cl. 28-248.000.
- Gerhardt, Don J.: *See—*
  - Capp, F. William; Gerhardt, Don J.; and Little, Randal A., 4,881,055, Cl. 337-404.000.
- Gerhardt, Robert F., to Ulano Corporation. Process for the preparation of acryloyloxyethoxymethyl-melamines. 4,847,336, 7-11-89, Cl. 525-518.000.
- Gerhardy, Reinhard; Holderle, Hans; Wolf, Jurgen; and Vonderau, Werner, to Stihl, Andreas. Carburetor for an internal combustion engine. 4,861,522, 8-29-89, Cl. 261-35.000.
- Gerhardy, Reinhard: *See—*
  - Abou-Aly, Mohamed; Bohnacker, Eberhard; Kiefel, Bernhard; Gerhardy, Reinhard; Friedrich, Reinhard; and Krauter, Erich, 4,816,192, Cl. 261-130.000.
- Gerhart, Fritz; and Kolb, Michael, to Merrell Dow Pharmaceuticals Inc. Continuous large-scale production of ethyl 2,2-difluoro-4-pentenoate and 2-fluorinated methyl aminoacetonitriles by use of a flow reactor. 4,847,401, 7-11-89, Cl. 558-378.000.
- Gerhart, Fritz; and Mamont, Pierre, to Merrell Dow Pharmaceuticals Inc. Gem-dihalo-1,8-diamino-4-aza-octanes. 4,851,448, 7-25-89, Cl. 514-672.000.
- Gerhart, Paul B., to Honeywell Inc. Apparatus and method for a secure and diagnosable antijabber communication circuit. 4,860,280, 8-22-89, Cl. 370-13.000.
- Gerhart, Paul B.; and Kumeda, Yasuo, to Honeywell Inc. Apparatus and method for identification of message initiation in a process control network. 4,872,186, 10-3-89, Cl. 375-117.000.
- Gerhart, Roland T.; and Hill, J. Carroll. Security and alarm system employing a particular pulse width discriminator. 4,847,577, 7-11-89, Cl. 328-111.000.
- Gerhart, Tobin N.; and Hayes, Wilson C., to Beth Israel Hospital Association, The. Bioerodable implant composition. 4,843,112, 6-27-89, Cl. 523-114.000.
- Gerhartz, Bengt-Ake: *See—*
  - Kedbrant, Tommy, 4,817,507, Cl. 98-40.030.
- Gerhartz, Siegmar: *See—*
  - Schippers, Heinz; and Gerhartz, Siegmar, 4,798,347, Cl. 242-18.00R.
- Geri, Sergio; Costanzi, Fabio; Cirillo, Gianna; and Moggi, Giovanni, to Ausimont S.r.l. Co-vulcanizable compositions of fluoroelastomers having improved chemical stability. 4,831,083, 5-16-89, Cl. 525-199.000.
- Geri, Sergio: *See—*
  - Moggi, Giovanni; Chiodini, Graziella; Cirillo, Gianna; and Geri, Sergio, 4,857,598, Cl. 525-194.000.
- Gerich, Frank: *See—*
  - Schmale, Gerhard; Gerich, Frank; and Barda, Rudolph C., 4,884,845, Cl. 297-367.000.
- Gerich, Horst; and Meter, Thomas V. Medical device. 4,819,636, 4-11-89, Cl. 128-318.000.
- Gericke, Stephen H.: *See—*
  - Carrell, Michael W.; and Gericke, Stephen H., 4,846,796, Cl. 604-110.000.
- Gerico, Inc.: *See—*
  - Cone, Richard E., 4,807,928, Cl. 297-153.000.
  - Gebhard, Albert W., 4,836,573, Cl. 280-644.000.
- Gerin, Merlin: *See—*
  - Theoleyre, Serge; Salsetti, Pascal; and Masset, Daniel, 4,837,660, Cl. 361-275.000.
- Gerin, Umberto: *See—*
  - Marchiori, Mirko; Lancerotto, Fabio; and Gerin, Umberto, 4,862,687, Cl. 57-354.000.
  - Marchiori, Mirko; Lant, Danny; Lancerotto, Fabio; and Gerin, Umberto, 4,870,815, Cl. 57-299.000.
- Gering, George: *See—*
  - Fodali, Adolph; and Gering, George, 4,853,625, Cl. 324-158.00P.
- Geringer, Arthur V.; Geringer, Richard G.; and Geringer, David A. Electromagnetic door lock device. 4,826,223, 5-2-89, Cl. 292-251.500.
- Geringer, David A.: *See—*
  - Geringer, Arthur V.; Geringer, Richard G.; and Geringer, David A., 4,826,223, Cl. 292-251.500.
- Geringer, Richard G.: *See—*
  - Geringer, Arthur V.; Geringer, Richard G.; and Geringer, David A., 4,826,223, Cl. 292-251.500.
- Gerke, Burton E., Jr.: *See—*
  - Elson, Donald E.; Gerke, Burton E., Jr.; Bitzel, Michael E.; Wilder, Bruce A.; Rodowsky, Stanley J., Jr.; Lessig, William R., III; Adams, Jeffrey S.; and Hagan, Todd A., 4,841,594, Cl. 15-344.000.
- Gerke, Dieter; Muller, Manfred; and Biederstedt, Lutz, to Krone Aktiengesellschaft. Wire connection for cable wires. 4,822,298, 4-18-89, Cl. 439-402.000.
- Gerke, Dieter; Biederstedt, Lutz; and Klaiber, Eberhard, to Krone Aktiengesellschaft. Cable wire connector and method of making rapid cable connections. 4,822,300, 4-18-89, Cl. 439-417.000.
- Gerke, Dieter; and Teichler, Heide, to Krone Aktiengesellschaft. Distribution bank for communication cables. 4,851,967, 7-25-89, Cl. 361-426.000.
- Gerke, Dieter: *See—*
  - Biederstedt, Lutz; Gerke, Dieter; and Sander, Claus, 4,812,004, Cl. 350-96.200.
- Gerke, Robert D.: *See—*
  - Colquitt, Michael L.; Gerke, Robert D.; Kwoka, Mark A.; and Foster, Dennis M., 4,801,065, Cl. 228-19.000.
- Gerken, Kenneth F.; and Sullivan, Robert A., to Integrated Power Corporation. Photovoltaic system controller. 4,888,702, 12-19-89, Cl. 364-494.000.
- Gerken, Rudolf: *See—*
  - Dietz, Wolfgang; Gerken, Rudolf; Lailach, Gunter; and Clasen, Peter, 4,880,446, Cl. 55-71.000.
  - Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Gerken, Rudolf; and Lailach, Gunter, 4,834,954, Cl. 423-242.000.
  - Lailach, Gunter; and Gerken, Rudolf, 4,824,655, Cl. 423-541.00R.
- Gerkhardt, Klaus: *See—*
  - Hohmann, Wolfgang; Schopf, Peter-Michael; Gerkhardt, Klaus; and Kocjancic, Bogdan, 4,824,366, Cl. 433-32.000.
- Gerl, Josef: *See—*
  - Nitzinger, Karl; Gerl, Josef; Steiner, Herbert; and Hess, Helmut, 4,880,955, Cl. 219-10.55R.
- Gerlach, Karl, to United States of America, Navy. Multiple channel fast orthogonalization network. 4,797,807, 1-10-89, Cl. 364-724.070.
- Gerlach, Karl-Heinz; Woerner, Lothar; and Ersing, Dietrich, to Kautt & Bux KG. Commutator for small to medium-sized machines. 4,868,440, 9-19-89, Cl. 310-236.000.
- Gerlach, Mariusz: *See—*
  - Rubbmark, Jan R.; Unruh, Leif A.; Bjernstad, Bjorn L. G.; Olsson, Nils E. H.; and Gerlach, Mariusz, 4,810,957, Cl. 324-61.00R.
- Gerlach-Meinders, Klaus: *See—*
  - Detert, Ernst-Rolf; Buchholz, Wilhelm H., and Gerlach-Meinders, Klaus, 4,832,791, Cl. 162-99.000.
- Gerlach, Rainer, to Bayer Aktiengesellschaft. Process for the preparation of azo compounds. 4,837,308, 6-6-89, Cl. 534-578.000.
- Gerlach, Robert L., to Perkin-Elmer Corporation, The. High luminosity spherical analyzer for charged particles. 4,806,754, 2-21-89, Cl. 250-305.000.
- Gerlach, Robert L., to Perkin-Elmer Corporation, The. Direct imaging monochromatic electron microscope. 4,810,880, 3-7-89, Cl. 250-305.000.
- Gerlach, Robert L., to Perkin-Elmer Corporation, The. Direct imaging monochromatic electron microscope. 4,882,487, 11-21-89, Cl. 250-306.000.

Gerlach, Roland, to Claudius Peters AG. Apparatus for charging a filler connection. 4,819,702, 4-11-89, Cl. 141-232.000.
Gerlach, Wolfgang; and Malczok, Reimund, to Uhde GmbH. Bolt-operated clamping device. 4,871,278, 10-3-89, Cl. 403-338.000.
Gerlei, Aniko, nee Komaromy: *See—*
  Matolcsy, Gyorgry; Kerekes, Gyula; Buban, Tamas; Vasarhelyi, Endre; Kovacs nee Kalman, Magda; Belai, Ivan; and Gerlei, Aniko, nee Komaromy, 4,846,883, Cl. 71-106.000.
Gerlicher, Axel T.: *See—*
  Bleher, J. Hartmut; Gerlicher, Axel T.; Rump, Siegfried M.; and Unkauf, Dieter K., 4,866,651, Cl. 364-748.000.
Gerling, Paul, to Braunschweiger Huttenwerk GmbH. Hydrodynamic plain radial bearing. 4,815,865, 3-28-89, Cl. 384-117.000.
Gerlinger, Hermann; Hohberg, Gerhard; and Schneider, Horst, to Carl-Zeiss-Stiftung. Measuring apparatus for characterizing a surface having color directional reflectance properties. 4,802,763, 2-7-89, Cl. 356-319.000.
Gerlinger, Hermann: *See—*
  Blumentritt, Martin; Gerlinger, Hermann; Schneider, Horst; and Gluck, Franz, 4,805,993, Cl. 350-321.000.
Gerlitz, Yonatan: *See—*
  Moran, Dan; and Gerlitz, Yonatan, 4,847,486, Cl. 250-221.000.
Gerlowski, Leonard E.; Kastelic, John R.; and Lutz, Robert G., to Shell Oil Company. Blends of polyketone polymers with polyvinyl alcohol. 4,866,122, 9-12-89, Cl. 525-58.000.
Germ, Kenneth B., to General Motors Corporation. Ignition terminal assembly. 4,886,473, 12-12-89, Cl. 439-847.000.
Germain, Bruno, to Schintgen, Jean-Marie. Safe-disposal container for used hypodermic needles and the like. 4,867,309, 9-19-89, Cl. 206-366.000.
Germain, Mark: *See—*
  Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., 4,868,863, Cl. 379-98.000.
Germain, Richard P., to Xerox Corporation. Highlight color imaging with first image neutralization using a scorotron. 4,868,611, 9-19-89, Cl. 355-328.000.
Germain, Robert A.; and Portz, William E., to Emhart Industries, Inc. Lawn rake. 4,848,073, 7-18-89, Cl. 56-400.170.
Germaine, Michel, to Gerplant Automation. Device for gripping and transferring seedlings in blocks of growing medium. 4,828,309, 5-9-89, Cl. 294-100.000.
Germaine, Thomas; and Kroll, Paul C., to Pitney Bowes Inc. Security system for use with electronic postage meter to prevent lock erasure of data. 4,829,469, 5-9-89, Cl. 364-900.000.
German, John F.: *See—*
  Condit, Timothy B.; German, John F.; and Irish, Ellwood, 4,830,531, Cl. 403-348.000.
German, Randall M.: *See—*
  Bose, Animesh; German, Randall M.; and Sims, David M., 4,801,330, Cl. 75-298.000.
  Bose, Animesh; and German, Randall M., 4,851,042, Cl. 75-248.000.
Germanaud, Laurent; and Hermant, Marc, to Societe Atochem. Polyfluorinated compounds, their preparation and their use as lubricant additives. 4,859,357, 8-22-89, Cl. 252-51.000.
Germanaud, Laurent: *See—*
  Basset, Dominique; Fayard, Jean-Claude; Hermant, Marc; Durual, Pierre; and Germanaud, Laurent, 4,832,859, Cl. 252-51.000.
Germanaz, Patrick: *See—*
  Bachelard, Roland; and Germanaz, Patrick, 4,871,479, Cl. 252-636.000.
Germann, Daniel E.: *See—*
  Fishbine, Glenn M.; Ransom, Mark S.; and Germann, Daniel E., 4,811,414, Cl. 382-52.000.
Germanton, Damon; and Weiss, Donald. Low cost thermocouple apparatus and methods for fabricating the same. 4,795,498, 1-3-89, Cl. 136-225.000.
Germanton, Damon, to Measurement Specialties, Inc. Electronic scale apparatus. 4,832,142, 5-23-89, Cl. 177-256.000.
Germer, Rudolf K. F.: *See—*
  Schoenbach, Karl H.; Germer, Rudolf K. F.; Lakdawala, Vishnukumar K.; and Albin, Sacharia, 4,825,061, Cl. 250-211.00R.
  Schoenbach, Karl H.; Lakdawala, Vishnukumar K.; Germer, Rudolf K. F.; and Schmitt, Klemens B., 4,831,248, Cl. 250-211.00R.
Germeraad, Paul B.: *See—*
  Aune, Ted M.; Germeraad, Paul B.; and Chan, Randolph W., 4,845,343, Cl. 219-545.000.
Germundson, Elon: *See—*
  Lindberg, Kaj; Steen, Gerry; and Germundson, Elon, 4,875,806, Cl. 405-224.000.
Germy, Joseph A., Jr.: *See—*
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Gernal Mining Union Corporation Limited: *See—*
  Smithies, Stafford A.; and Atkins, Raymond C., 4,796,531, Cl. 102-217.000.
Gerndt, Robert J., to Kimberly-Clark Corporation. Wall panel. 4,819,397, 4-11-89, Cl. 52-406.000.
Gerner, Rudolf, to KAPPA messtechnik GmbH. Method of recording and storing images in rapid sequence. 4,799,108, 1-17-89, Cl. 358-213.260.
Gernert, Nelson J.; Ernst, Donald M.; and Shaubach, Robert M., to Thermacore, Inc. External artery heat pipe. 4,807,697, 2-28-89, Cl. 165-104.260.
Gernhart, Peter; Hintz, Gerhart; Keller, Guenter; and Pohl, Andreas, to Carl Schenck AG. Apparatus for clamping a test sample in a testing machine. 4,821,579, 4-18-89, Cl. 73-856.000.
Gerold, Charles; and Gregorio, John. Safety brake for cement truck chute. 4,797,056, 1-10-89, Cl. 414-467.000.
Gerold, Gregory L.; and Dickerhoof, Bruce W., to Tonka Corporation. Cap-firing mechanism for a toy. 4,842,564, 6-27-89, Cl. 446-297.000.
Gerold, Marcel: *See—*
  Garthoff, Bernward; Gerold, Marcel; Hefti, Fridolin; Kazda, Stanislav; and Knorr, Andreas, 4,859,665, Cl. 514-221.000.
Gerondale, Michael J.: *See—*
  Harrison, Charles W.; Gerondale, Michael J.; Patrone, Anthony J.; and Ong, James O. Y., 4,885,062, Cl. 196-14.500.
Gerosa, Gianfranco: *See—*
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Gerot-Pharmazeutika Gesellschaft m.b.H.: *See—*
  Jensen, Finn; and Nadherny, Rudolph E., 4,885,061, Cl. 188-206.00R.
  Schlager, Ludwig H., 4,795,750, Cl. 514-260.000.
Gerow, Frank J., to Baylor College of Medicine. Labeled breast prosthesis and methods for detecting and predicting rupture of the prosthesis. 4,795,463, 1-3-89, Cl. 623-8.000.
Gerplant Automation: *See—*
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Gerrard, Donald L., to British Petroleum Company p.l.c., The. Method of diamond identification. 4,799,786, 1-24-89, Cl. 356-30.000.
Gerrard, Donald L.: *See—*
  Bowley, Heather J.; and Gerrard, Donald L., 4,875,771, Cl. 356-30.000.
Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, to Battelle-Institut e.V. Arrangement for the production of straight-line symmetrical signals. 4,805,465, 2-21-89, Cl. 73-862.340.
Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, to Battelle-Institut E.V. Torque measurment system. 4,811,238, 3-7-89, Cl. 364-508.000.
Gerrek, David M.: *See—*
  Kuehn, Gary; Gerrek, David M.; and Ferguson, Wendy, 4,818,982, Cl. 340-793.000.
Gerresheim, Manfred; Sommer, Jurgen; Poque, Dionysius J.; and Vogler, Hans-Jurgen, to Uniroyal Engelbert Reifen GmbH. Tread surface profile for pneumatic vehicle tires. 4,815,512, 3-28-89, Cl. 152-209.00R.
Gerretz, Josef; and Hurtado, Antonio, to Mannesmann AG. Drive for a pilger cold-rolling mill with balancing of masses and moments. 4,858,458, 8-22-89, Cl. 72-214.000.
Gerritsen, Hendrik J., to Advanced Environmental Research Group. Diffraction grating structures. 4,850,682, 7-25-89, Cl. 350-348.000.
Gerritsen, Hendrik J., to Brown University Research Foundation. Apparatus and method for rapidly constructing holograms. 4,878,717, 11-7-89, Cl. 350-3.660.
Gerritsen, Jan: *See—*
  Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heskel, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., 4,882,917, Cl. 68-17.00A.
Gersbach, Klaus: *See—*
  Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.000.
Gersbro, Per-Stefan: *See—*
  Bergstrom, Magnus; Gersbro, Per-Stefan; and Fransson, Jan-Olof, 4,811,957, Cl. 277-1.000.
  Bjorkengren, Carl-Axel; Bergstrom, Magnus; and Gersbro, Per-Stefan, 4,848,594, Cl. 222-1.000.
Gersbro, Stefan: *See—*
  Bergstrom, Magnus; Gersbro, Stefan; and Fransson, Jan-Olof, 4,811,855, Cl. 215-243.000.
Gershenson, Edward; Lemone, Louis A.; and Lippitt, Mark C., to Data General Corporation. Apparatus guaranteeing that a controller in a disk drive system receives at least some data from an invalid track sector. 4,825,403, 4-25-89, Cl. 364-900.000.
Gershenson, Moshe; and Schell, Thomas, to GAF Corporation. Method and apparatus for the manufacture of metallic filaments. 4,853,030, 8-1-89, Cl. 75-0.50A.
Gershenson, Moshe; and Moskowitz, Mark L., to GAF Corporation. Device for grounding conductive film. 4,877,198, 10-31-89, Cl. 242-74.000.
Gershman, Lennie. Controlled access water supply apparatus for animals. 4,844,014, 7-4-89, Cl. 119-18.000.
Gersho, Allen: *See—*
  Davidson, Grant; and Gersho, Allen, 4,868,867, Cl. 381-36.000.
Gershon, David; Sivak, Jacob G.; and Dovrat, Ahuva, to Canadian Industrial Innovation Centre/Waterloo. Method and apparatus for in vitro evalution of focal length and focal length changes in lenses from human and animal eyes. 4,832,486, 5-23-89, Cl. 356-125.000.
Gershon, David: *See—*
  Dori, Zvi; Gershon, David; and Scharf, Yehuda, 4,866,053, Cl. 514-184.000.
  Dori, Zvi; and Gershon, David, 4,866,054, Cl. 514-184.000.
  Sivak, Jacob G.; Dovrat, Ahuva; and Gershon, David, 4,865,98 Cl. 435-284.000.
Gershon, Eugen, to Advanced Micro Devices, Inc. Fast sample and hold circuit. 4,879,478, 11-7-89, Cl. 307-353.000.

Gershon, Ezra, to Integrated Technologies Solutions, Inc. Frequency generator. 4,859,968, 8-22-89, Cl. 331-38.000.
Gershonowitz, Mitchell S.: *See—*
  Grosso, Donald S.; Bryant, Thomas M.; and Gershonowitz, Mitchell S., 4,878,206, Cl. 367-83.000.
Gershuni, Alexandr N.; Maisotsenko, Valery S.; Zaripov, Vladilen K.; and Semena, Mikhail G., to Kievsky Politekhnichesky Institut. Cooler. 4,842,052, 6-27-89, Cl. 165-104.110.
Gerson, Ira A.; Lindsley, Brett L.; and Smanski, Philip J., to Motorola, Inc. Word recognition in a speech recognition system using data reduced word templates. 4,797,929, 1-10-89, Cl. 381-43.000.
Gerson, Ira A., to Motorola, Inc. Digital speech coder having improved vector excitation source. 4,817,157, 3-28-89, Cl. 381-40.000.
Gerson, Ira A.; and Lindsley, Brett L., to Motorola, Inc. Method for entering digit sequences by voice command. 4,870,686, 9-26-89, Cl. 381-43.000.
Gerson, Ira A.: *See—*
  Vilmur, Richard J.; Barlo, Joseph J.; Gerson, Ira A.; and Lindsley, Brett L., 4,811,404, Cl. 381-94.000.
Gerst, Michael; Knapp, Horst J. T.; and Maack, Werner, to AMP Incorporated. Block loading apparatus. 4,835,844, 6-6-89, Cl. 29-747.000.
Gerst, Michael: *See—*
  Maack, Werner; Gerst, Michael; and Liedloff, Manfred, 4,888,867, Cl. 29-857.000.
Gerstel, Eberhard. Sample injection or extraction head for gaseous or liquid fluids. 4,854,181, 8-8-89, Cl. 73-863.860.
Gerstel, Eberhard. Gas chromatograph. 4,883,504, 11-28-89, Cl. 55-67.000.
Gersten, Martin; Mammone, Richard J.; and Zelvin, Joseph L., to Computed Anatomy Inc. System for topographical modeling of anatomical surfaces. 4,863,260, 9-5-89, Cl. 351-212.000.
Gerstenfeld, Arthur, to UFA Incorporation. Expert system for air traffic control and controller training. 4,827,418, 5-2-89, Cl. 364-439.000.
Gerstenhaber, Moshe; and Libert, Robert J., to Analog Devices, Inc. Bias current compensation for bipolar input stages. 4,855,684, 8-8-89, Cl. 330-257.000.
Gerstle, Patrick J.: *See—*
  Cook, Sherry A.; Gerstle, Patrick J.; Smith, David R.; and Stilz, Kathryn R., 4,889,439, Cl. 400-706.000.
Gerstle, Volker; and Mauz, Gerhard, to Nokia Graetz. Process and apparatus for producing a black matrix layer. 4,889,781, 12-26-89, Cl. 430-25.000.
Gerstle, Volker: *See—*
  Thiel, Norbert; Gerstle, Volker; Zondler, Rolf; and Lederle, Otto, 4,827,185, Cl. 313-479.000.
Gerstmann, Joseph; Celorier, George M., Jr.; and Hill, Wayne S., to Gas Research Institute. Integrated space heating, air conditioning and potable water heating appliance. 4,798,240, 1-17-89, Cl. 165-48.100.
Gerstner, Richard; Look, Gunter; Seybold, Werner; and Steuer, Werner, to Fichtel & Sachs AG. Method of manufacturing a bicycle hub sleeve. 4,800,634, 1-31-89, Cl. 29-159.300.
Gerstner, Richard: *See—*
  Schwerdhofer, Hans J.; Jager, Johannes; Gerstner, Richard; and Look, Gunter, 4,820,979, Cl. 324-171.000.
Gerstung, William. Valve for a pressurized dispensing can containing flowable materials. 4,856,684, 8-15-89, Cl. 222-402.230.
Gerteiser, Eugen: *See—*
  Furtner, Horst; Gerteiser, Eugen; and Gierer, Georg, 4,817,467, Cl. 74-864.000.
Gertler, Robert A.; and Van Nimwegen, Donald. Patient controlled analgesia apparatus. 4,828,551, 5-9-89, Cl. 604-208.000.
Gerts, Mikhail E.: *See—*
  Babitsky, Vladimir I.; Gerts, Mikhail E.; Ivanov, Jury A.; Maiorov, Vladimir S.; Makarov, Nikolai S.; and Tresvyatsky, Alexandr N., 4,795,878, Cl. 219-121.800.
Gertsch, Peter; and Kohler, Arnold, to Maschinenfabrik Wifag. Device for loading or unloading paper rolls onto or from a roll stand of a web-fed rotary printing press. 4,854,806, 8-8-89, Cl. 414-495.000.
Gertzman, Arthur A.: *See—*
  Tranque, James A.; Pynn, John N.; D'Innocencio, Joseph; Thomas, Michael S.; and Gertzman, Arthur A., 4,799,481, Cl. 128-325.000.
Geralis, Benedict R., to C.T.B., Inc. Fluid filter. 4,812,230, 3-14-89, Cl. 210-108.000.
Gerum, Eduard; Hefter, Erik; Kessel, Gerd; and Weissflog, Manfred, to Knorr-Bremse AG. Driver brake valve. 4,869,557, 9-26-89, Cl. 303-3.000.
Gerum, Johannes; Kober, Heinrich; and Meckel, Walter, to AGFA-Gevaert Aktiengesellschaft. Process for the production of a magnetic recording medium. 4,869,965, 9-26-89, Cl. 428-425.900.
Gerutti, Richard L.; Haskins, David R.; Heithoff, Robert B.; Schwenninger, Ronald L.; and Welton, Wright M., to PPG Industries, Inc. Method of vacuum refining of glassy materials with selenium foaming agent. 4,886,539, 12-12-89, Cl. 65-135.000.
Gervais, Fernand: *See—*
  Guggi, Markus; and Gervais, Fernand, 4,830,305, Cl. 242-71.700.
Gervais, Pierre; Duval, Michel; and Giroux, Marcel, to Hydro-Quebec. Microwave drying of the paper insulation of high voltage electrotechnical equipments. 4,889,965, 12-26-89, Cl. 219-10.55M.
Gervasi, Jay A.: *See—*
  Akkapeddi, Murali K.; and Gervasi, Jay A., 4,826,955, Cl. 528-324.000.
  Akkapeddi, Murali K.; Haylock, John C.; and Gervasi, Jay A., 4,847,322, Cl. 525-10.000.
  Akkapeddi, Murali K.; and Gervasi, Jay A., 4,857,603, Cl. 525-437.000.
Gervasio, Gregorio C., to Colgate-Palmolive Company. Toilet soap bars made from topped, distilled coco fatty acid. 4,861,507, 8-29-89, Cl. 252-108.000.
Gervasutti, Claudio, to Ausimont S.p.A. Process for preparing fluoroethylenes and chlorofluoro-ethylenes from chlorofluoroethanes. 4,876,405, 10-24-89, Cl. 570-156.000.
Gervelmeyer, Rolf: *See—*
  Bauch, Wolf-Dieter; Gervelmeyer, Rolf; and Merker, Heinrich B., 4,808,885, Cl. 315-122.000.
Gerver, Robert; and Sgroi, Richard J., to South-Western Publishing Co. Calculator holder. 4,832,191, 5-23-89, Cl. 206-232.000.
Gerwick, B. Clifford, III: *See—*
  Rogers, Richard B.; and Gerwick, B. Clifford, III, 4,808,750, Cl. 560-062.000.
Gerwick, Ben C., III: *See—*
  Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.
  Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,886,883, Cl. 544-263.000.
Gerwick, William H.; and Bernart, Matthew W., to State of Oregon, Acting by and through the Oregon State Board of Higher Education on Behalf of Oregon State University, The. Method for the recovery of 12-(S)-hydroxyeicosapentaenoic acid from the red alga *murrayella periclados*. 4,810,424, 3-7-89, Cl. 260-412.800.
Gerwin, Brenda I.: *See—*
  Reddel, Roger R.; Yang, Ke; Rhim, Johng S.; Brash, Douglas; Su, Robert T.; Lechner, John F.; Gerwin, Brenda I.; Harris, Curtis C.; and Amstad, Paul, 4,885,238, Cl. 435-29.000.
Gerzberg, Levy: *See—*
  Blech, Ilan A.; Gerzberg, Levy; Shacham, Yosef Y.; Sinar, Alexander; and Sirkin, Eric R., 4,882,611, Cl. 357-51.000.
Gescheidle, Gregory A.; and Williams, Steven S., to Rexnord Corporation. Bearing take-up frame. 4,867,580, 9-19-89, Cl. 384-252.000.
Geschke, Clifford C.: *See—*
  Shimano, Bruce E.; Geschke, Clifford C.; and Scarborough, David W., 4,835,730, Cl. 364-513.000.
Gesell, Ferdinand, to Eckardt AG. Circuit layout to eliminate alternating voltage interference signals. 4,839,608, 6-13-89, Cl. 330-149.000.
Gesellschaft fuer Steuerungstechnik GmbH & Co.: *See—*
  Burghardt, Franz; Abendroth, Bernd; and Pfaff, Martin, 4,849,038, Cl. 156-172.000.
Gesellschaft fuer Strahlen und Umweltforschung (GSF): *See—*
  Weber, Helmut; Unsoeld, Eberhard; Ruesch, Heinz; and Schmitt, Klaus, 4,862,887, Cl. 128-303.100.
Gesellschaft fur Automation u. Organization mbH: *See—*
  Grottrup, Helmut; and Maurer, Thomas, 4,841,128, Cl. 235-491.000.
Gesellschaft fur Biotechnologische Forschung mbH: *See—*
  Sebald, Walter, 4,826,764, Cl. 435-68.000.
Gesellschaft fur Biotechnologische Forschung mbH (GBF): *See—*
  Blocker, Helmut; Frank, Ronald; and Volckaert, Guido, 4,863,848, Cl. 435-6.000.
  Cordes, Arno; Kula, Maria-Regina; Kroner, Karl-Heinz; and Stach, Wolfgang, 4,879,234, Cl. 435-189.000.
  Lehmann, Jurgen, 4,870,018, Cl. 435-240.100.
  Morr, Michael; Kakoschke, Christel; Tsai, Hsin; and Getzlaff, Rita, 4,845,222, Cl. 544-347.000.
Gesellschaft fur Hydraulik-Zubehor mbH: *See—*
  Baldauf, Karl E., 4,838,023, Cl. 60-413.000.
Gesellschaft fur Messtechnik mbH: *See—*
  Brunner, Reinhard, 4,862,599, Cl. 34-46.000.
Gesellschaft fur Schwerionenforschung mbH: *See—*
  Malwitz, Eberhard, 4,815,651, Cl. 228-173.200.
  Spohr, Reimar; Pfeng, Enrique; Burckner, Dieter; and Popp, Thomas, 4,826,292, Cl. 350-321.000.
Gesellschaft fur Strahlen- und Umweltforschung mbH: *See—*
  Forster, Markus; Maier, Peter; Gaudlitz, Harald; and Hefka, Richard, 4,837,437, Cl. 250-336.100.
  Muller-Mohnsen, Helmut; Reuter, Benno; and Schauerte, Wulfram, 4,804,268, Cl. 356-338.000.
  Ruth, Bernhard, 4,830,020, Cl. 128-691.000.
Gesellschaft zur Forderung der Spektrochemie und angewandten Spektrochemie e.V.: *See—*
  Ko, Jae B., 4,830,492, Cl. 356-313.000.
Gesing, Adam J.: *See—*
  Claar, T. Dennis; Poste, Steven D.; Gesing, Adam J.; Sobczyk, Marek; Raghavan, Narashima S.; Creber, Dave K.; and Nagelberg, Alan S., 4,824,625, Cl. 264-126.000.
  Creber, Dave K.; and Gesing, Adam J., 4,820,461, Cl. 264-57.000.
Geske, Darel R. Apparatus and method for waterproofing basements. 4,869,032, 9-26-89, Cl. 52-169.500.
Geslewitz, Daniel G. Spatter shield. 4,802,259, 2-7-89, Cl. 16-251.000.
Gess, Georges: *See—*
  Herbin, Jean-Paul; Lallemand, Claude; and Gess, Georges, 4,852,182, Cl. 382-1.000.
Gess, Jerome M.: *See—*
  Tiedeman, George T.; and Gess, Jerome M., 4,857,149, Cl. 162-158.000.
Gessner, Gregory B.: *See—*
  Baker, Daniel C.; Stashak, Robert M.; Owens, William P.; and Gessner, Gregory B., 4,841,848, Cl. 99-277.200.

Gessner Industries, Inc.: *See—*

MacKinnon, Francis X.; Horn, James F.; and Pastina, John A., 4,882,820, Cl. 26-93.000.

Gessner, Klaus: *See—*

Hoene, Ernst L.; Renz, Roman; and Gessner, Klaus, 4,795,866, Cl. 200-144.00B.

Gessner, Scott L.; and Ostrowski, Henry S., to James River Corporation. Porous thermoformable heat sealable nonwoven fabric. 4,830,904, 5-16-89, Cl. 428-219.000.

Gest, Rene, to Isover Saint-Gobain. Internal combustion burners. 4,818,218, 4-4-89, Cl. 431-158.000.

Gest, Rene, to Isover Saint-Gobain. Molded composite panels. 4,824,714, 4-25-89, Cl. 428-156.000.

Gest, William E., to General Motors Corporation. Energy absorber with impact bumper adjustment. 4,830,418, 5-16-89, Cl. 293-134.000.

Gesvent, George, to Honeywell Inc. Housing with improved adjustment access sealing arrangement. 4,800,238, 1-24-89, Cl. 174-52.100.

Gesy, Jerry. Door sealing apparatus. 4,880,046, 11-14-89, Cl. 160-194.000.

Getech A/S: *See—*

Tetlie, Per J.; Brudal, Hans N.; and Meisingset, Alf E., 4,841,192, Cl. 310-337.000.

Gethke, Hans-Gerd; Eitner, Detlef; and Engelhard, Friedel. Gas supply and distribution center. 4,874,133, 10-17-89, Cl. 239-555.000.

Getman, Daniel P.; and Heintz, Robert M., to Monsanto Company. Resin method for making sulfoxide for solid phase peptide synthesis. 4,801,665, 1-31-89, Cl. 525-350.000.

Getman, Daniel P.; and Heintz, Robert M., to Monsanto Company. Solid phase peptide synthesis. 4,879,371, 11-7-89, Cl. 530-334.000.

Getman, Daniel P.; Periana, Roy A.; and Riley, Dennis P., to Monsanto Company. Process for producing 2,6-disubstituted tyrosine. 4,879,398 11-7-89, Cl. 556-413.000.

Getman, Daniel P.: *See—*

Dyroff, David R.; Getman, Daniel P.; and Glascock, Joan K., 4,824,591, Cl. 252-94.000.

Getrag Getriebe- und Zahnradfabrik GmbH: *See—*

Knodel, Gunter; and Lees, Wolfgang, 4,817,773, Cl. 192-53.00F.

Knodel, Gunter; and Henzler, Helga, 4,836,348, Cl. 192-53.00F.

Getreuer, Kurt W., to U.S. Philips Corporation. Apparatus for inscribing and/or reading a record carrier. 4,807,211, 2-21-89, Cl. 369-44.000.

Getreuer, Kurt W., to U.S. Philips Corporation. Apparatus for recording and/or reading information on an optical record carrier provided with preformed tracks. 4,807,214, 2-21-89, Cl. 369-46.000.

Getreuer, Kurt W.; and Schell, David L., to Laser Magnetic Storage International Company. Track seeking apparatus and method using sampled information. 4,855,977, 8-8-89, Cl. 369-32.000.

Getreuer, Kurt W.; and Schell, David L., to Laser Magnetic Storage International Company. Driving signal for coarse servo employing sampled offset signal. 4,864,552, 9-5-89, Cl. 369-46.000.

Getreuer, Kurt W.; Verboom, Johannes J.; and Sonneville, Pierre R., to Laser Magnetic Storage International Company. Optical disk tracking and seeking systems specific track formats using discontinuities. 4,879,707, 11-7-89, Cl. 369-46.000.

Getreuer, Kurt W.; and Verboom, Johannes J., to Laser Magnetic Storage International Company. Optical disk tracking and seeking systems specific track formats using wobbled pits. 4,879,708, 11-7-89, Cl. 369-46.000.

Getson, Edward F., Jr.; Bradley, John W.; Gardner, Joseph P.; and Votolato, Alfred F., to Bull HN Information Systems Inc. Peripheral controller with paged data buffer management. 4,888,727, 12-19-89, Cl. 364-900.000.

Getson, John C., to Wacker-Chemie GmbH. Apparatus for coating semiconductor components on a dielectric film. 4,862,827, 9-5-89, Cl. 118-620.000.

Getter, Dennis L., to Dimensions Unlimited, Inc. D.C. to A.C. inverter having improved structure providing improved thermal dissipation. 4,872,102, 10-3-89, Cl. 363-141.000.

Gettings, Richard L.: *See—*

Blank, Lynne B.; Gettings, Richard L.; and White, William C., 4,865,844, Cl. 424-409.000.

Gettler, Lawrence H. Organization system. 4,858,354, 8-22-89, Cl. 40-324.000.

Gettliffe, Jessie: *See—*

Daniel, Vernon T.; and Gettliffe, Jessie, 4,866,957, Cl. 68-5.00D.

Daniel, Vernon T.; Gettliffe, Jessie; and Lorenzo, Tina V., 4,872,416, Cl. 118-203.000.

Gettliffe, Roland: *See—*

Cocks, Franklin H.; and Gettliffe, Roland, 4,821,301, Cl. 378-70.000.

Getty, Edward E.: *See—*

Drago, Russell S.; and Getty, Edward E., 4,798,667, Cl. 208-117.000.

Getty, Julie N.: *See—*

Birks, John W.; Getty, Julie N.; and Getty, Richard H., 4,847,207, Cl. 436-120.000.

Getty, Richard H.: *See—*

Birks, John W.; Getty, Julie N.; and Getty, Richard H., 4,847,207, Cl. 436-120.000.

Getty Scientific Development Company: *See—*

Vanderslice, Rebecca W.; and Shannon, Patrick, 4,868,293, Cl. 536-123.000.

Gettys, James R.; Johnson, Gordon H.; Demiray, Temel; and Faust, William D., to Ferro Corporation. Decorative and protective borders for automobile side and rear lights. 4,882,301, 11-21-89, Cl. 501-17.000.

Getz, Marvin G.; McFeeters, Brian D.; and Purcell, Robert J., to Caterpillar Inc. Track recoil and tensioning mechanism. 4,854,650, 8-8-89, Cl. 305-10.000.

Getzlaff, Rita: *See—*

Morr, Michael; Kakoschke, Christel; Tsai, Hsin; and Getzlaff, Rita, 4,845,222, Cl. 544-347.000.

Geuer, Wolfgang; Lurkens, Peter; and Schoner, Hans P. Circuit arrangement for continually monitoring the quality of a multicell battery. 4,833,459, 5-23-89, Cl. 340-636.000.

Geurts, Herman J. J. M.: *See—*

Erkens, Leonardus J. H.; Algra, Gerben P.; Snijders, Jacobus M. H.; Geurts, Herman J. J. M.; and Rugin, Andre, 4,872,915, Cl. 106-433.000.

Geus, Georg, to Heimann GmbH. X-ray scanner with secondary radiation detector. 4,870,670, 9-26-89, Cl. 378-87.000.

Geus, John W.; and Linowski, John W., to Dow Chemical Company, The. Method for the preparation of carbon filaments. 4,855,091, 8-8-89, Cl. 264-22.000.

Geus, John W.; Van Striphout, Peter C. M.; and Versluis, Frederick, to Harshaw Chemie B.V. Electrochemical process for producing catalysts. 4,869,792, 9-26-89, Cl. 204-96.000.

Geus, John W.: *See—*

Berben, Pieter H.; and Geus, John W., 4,818,740, Cl. 502-313.000.

Geuskens, Georges; Deltour, Robert; and Vallier, Thierry, to Compagnie Internationale de Participation et d'Investissement Cipart S.A. Heating element and method for the manufacture thereof. 4,808,470, 2-28-89, Cl. 428-323.000.

Geuss, Carlheinz. Retainer means for use with a hit sensor. 4,865,329, 9-12-89, Cl. 273-372.000.

Geuze, Maarten M., to Shell Oil Company. Preparation of olefin/CO copolymer with controlled addition of catalyst composition. 4,882,417, 11-21-89, Cl. 528-392.000.

Geuze, Maarten M.: *See—*

Brons, Henricus M. J.; and Geuze, Maarten M., 4,798,884, Cl. 528-491.000.

Van Broekhoven, Johannes A. M.; Geuze, Maarten M.; and Salter, James A., 4,889,914, Cl. 528-392.000.

Gevas, James C. Wheeled vehicle tire wheel mounting aid. 4,847,971, 7-18-89, Cl. 29-273.000.

Gevas, Philip: *See—*

Grimes, Stephen; Benjamini, Elizer; and Gevas, Philip, 4,795,634 Cl. 424-85.900.

Gevelber, Michael A.; and Stephanopoulos, George, to Massachusetts Institute Of Technology. Control system for the czochralski process 4,857,278, 8-15-89, Cl. 422-249.000.

Gevert, Dieter: *See—*

Sternberger, Klaus; Keil, Karl-Heinz; Gevert, Dieter; and Navarrete, Oscar, 4,806,126, Cl. 8-543.000.

Gewebler, Ytzhak; and Torok, Alexander S., to Lockhart Industries Inc. Circuit board retainer and panel assembly. 4,829,402, 5-9-89, Cl. 361-383.000.

Gewerkschaft Eisenhutte Westfalia GmbH: *See—*

Breuer, Oswald; Rassmann, Christoph; Pfefferle, Egon; and Schoop, Gunther-Dietmar, 4,819,990, Cl. 299-80.000.

Cwielong, Heinrich; Mertens, Wilfried; and Merten, Gerhard 4,887,991, Cl. 474-92.000.

Golla, Franz, 4,803,768, Cl. 29-417.000.

Kleine, Herbert, 4,819,989, Cl. 299-43.000.

Konig, Johannes; and Reuter, Martin, 4,882,501, Cl. 307-11.000.

Kussel, Willy; and Frank, Reiner, 4,874,335, Cl. 439-589.000.

Trox, Uwe; Kussel, Willy; Reuter, Martin; and Konig, Johannes 4,870,364, Cl. 324-418.000.

Wojaczek, Egon; Seeberger, Klaus; Rosenberg, Harry; and Stratmann, Wolfgang, 4,815,898, Cl. 405-296.000.

Wojaczek, Egon; Poklekowski, Helmut; and Reichelt, Klaus-Peter 4,828,433, Cl. 405-296.000.

Gewerkschaft Schalker Eisenhutte: *See—*

Feldhaus, Karl, 4,808,268, Cl. 202-241.000.

Gey, Leo. Device for changing over a vehicle provided with wheels to a track vehicle. 4,865,141, 9-12-89, Cl. 180-9.260.

Geyer, Daniel J.; and Calaway, Ward M., to Eastman Kodak Company Technique for processing a digital signal having zero overhead sync 4,856,029, 8-8-89, Cl. 375-110.000.

Geyer, Harry J.; Knapp, James H.; and Cole, Setsuko J., to Motorola Inc. Bonding method and apparatus. 4,795,077, 1-3-89, Cl. 228-106.000.

Geyer, Harry J.: *See—*

Sharma, Ravinder K.; Geyer, Harry J.; and Mitchell, Douglas G. 4,880,708, Cl. 428-620.000.

Geyer, James B.: *See—*

Morganti, Victor M.; and Geyer, James B., 4,833,603, Cl. 364-200.000.

Geyer, Nelson I., to Skinny Lift, Inc. Well pumping method and apparatus. 4,830,113, 5-16-89, Cl. 166-369.000.

Geyer, Oswald; Lembens, Helmut; and Stoyhe, Helmut, to Francotyp-Postalia GmbH. Cassette with a tape box for tape dispensers of mail processing machines. 4,840,367, 6-20-89, Cl. 271-160.000.

Geyer, Otto-Christian; and Wingler, Frank, to Bayer Aktiengesellschaft. Hydrophilic copolymers, the use thereof as biomedical materials and contact-optical articles produced therefrom. 4,866,14 9-12-89, Cl. 526-264.000.

Geyer, Paul. Extrusion apparatus. 4,859,069, 8-22-89, Cl. 366-77.000.

Geyer, Paul. Extrusion apparatus. 4,872,761, 10-10-89, Cl. 366-79.000.

Geyer, Stefan: *See—*

Forster, Adrian; Geyer, Stefan; Schulmeyr, Josef; Schmidt, Roland; and Gehrig, Manfred, 4,842,878, Cl. 426-286.000.

Geyer, Werner; Schierling, Roland; and Nickel, Hans, to Andreas Stihl. Arrangement for injecting fuel for a two-stroke engine. 4,813,391, 3-21-89, Cl. 123-73.00C.

Geyer, Werner; and Schierling, Roland, to Andreas Stihl. Fuel injection pump for a two-stroke engine. 4,846,119, 7-11-89, Cl. 123-73.00C.

Geyer, Werner: *See—*

Schierling, Roland; Geyer, Werner; Wissmann, Michael; and Nickel, Hans, 4,807,573, Cl. 123-73.00C.

Schierling, Roland; and Geyer, Werner, 4,876,999, Cl. 123-252.000.

Geyling, Franz T.: *See—*

Baumgart, Jerry W.; D'Annessa, Anthony T.; Geyling, Franz T.; Flegal, William M.; and Miller, Thomas J., 4,820,322, Cl. 65-3.110.

Geysen, Hendrik M., to Commonwealth Serum Laboratories Commission. Method for determining mimotopes. 4,833,092, 5-23-89, Cl. 436-501.000.

Gezari, Walter: *See—*

Reiss, James M.; Gezari, Walter; and Stidd, Robert, 4,802,462, Cl. 128-25.00R.

GEZE Sport International GmbH: *See—*

Kowatsch, Ulrich; and Bauer, Heike, 4,889,359, Cl. 280-629.000.

GF Furniture Systems, Inc.: *See—*

DePietro, Mark A.; Klim, William T.; Ashworth, Robert H.; and Thiele, Robert E., 4,860,812, Cl. 160-135.000.

Gfeller, Fritz R.: *See—*

Gantenbein, Dieter; Gfeller, Fritz R.; and Mumprecht, Eduard P., 4,809,257, Cl. 370-4.000.

GFM Gesellschaft fur Fertigungstechnik und Maschinenbau Gesellschaft m.b.H.: *See—*

Blaimschein, Gottfried, 4,88[illegible],210, Cl. 364-474.010.

Kirchberger, Peter; and Blaimschein, Gottfried, 4,863,322, Cl. 409-232.000.

Gfrorer, Ralf: *See—*

Schnebel, Gerhard; Kleis, Hansjorg; and Gfrorer, Ralf, 4,835,451, Cl. 318-696.000.

GFS Manufacturing Company, Inc.: *See—*

Sylvester, Robert D., Jr.; Horn, Paul C.; and Bober, Vincent J., 4,811,477, Cl. 29-605.000.

GFT Gesellschaft fur Trenntechnik mbh: *See—*

Ellinghorst, Guido; Goetz, Bernd; Niemoeller, Axel; Scholz, Horst; Brueschke, Hartmut E. A.; and Tusel, Guenter, 4,865,743, Cl. 210-640.000.

GH Hemley Industries, Inc.: *See—*

Robinson, Howard W., 4,823,487, Cl. 37-142.00A.

GH International Ltd.: *See—*

Marchant, Ian M., 4,802,624, Cl. 238-317.000.

Marchant, Ian M., 4,889,282, Cl. 238-347.000.

GH Trading AB: *See—*

Gustafsson, Hans; and Hallberg, Thomas, 4,840,340, Cl. 248-240.400.

Ghadiali, Nafisa Z. Arm sling for stroke patients. 4,834,082, 5-30-89, Cl. 128-94.000.

Ghadjar, Fathali G.: *See—*

Ghajar, Jamshid B. G.; Hariri, Robert J.; and Ghadjar, Fathali G., 4,821,716, Cl. 128-303.00B.

Ghahremani-Ghadjar, Fathali: *See—*

Hariri, Robert J.; Ghajar, Jamshid B. G.; and Ghahremani-Ghadjar, Fathali, 4,875,482, Cl. 128-352.000.

Ghajar, Jamshid B. G.; Hariri, Robert J.; and Ghadjar, Fathali G., to Neurodynamics, Inc. Method and apparatus for perpendicular perforation of the cranium. 4,821,716, 4-18-89, Cl. 128-303.00B.

Ghajar, Jamshid B. G.: *See—*

Hariri, Robert J.; Ghajar, Jamshid B. G.; and Ghahremani-Ghadjar, Fathali, 4,875,482, Cl. 128-352.000.

Ghali, Ragui. Foam, composition and method of production, containing polyurethane, polyisocyanurate and polyurea groups. 4,880,848, 11-14-89, Cl. 521-174.000.

Ghandehari, Mohammad H., to Union Oil Company of California. Method for producing polymer-bonded magnets from rare earth-iron-boron compositions. 4,834,812, 5-30-89, Cl. 148-101.000.

Ghandehari, Mohammad H., to Union Oil Company of California. Method for preparing rare earth-iron-boron permanent magnets. 4,878,958, 11-7-89, Cl. 148-103.000.

Ghandeharizadeh, Shahryar, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber splice organizer. 4,840,449, 6-20-89, Cl. 350-96.200.

Gharavi, Hamid, to Bell Communications Research, Inc. Method and apparatus for low bit-rate interframe video coding. 4,821,119, 4-11-89, Cl. 358-136.000.

Gharbi, Tijani: *See—*

Lafon, Jean-Claude; and Gharbi, Tijani, 4,843,623, Cl. 381-68.200.

Ghatak, Indira: *See—*

Heggie, William; Page, Philip R.; Villax, Ivan; Ghatak, Indira; and Hursthouse, Michael, 4,857,235, Cl. 260-351.500.

Ghatak, Ranen N. Solar oven. 4,850,339, 7-25-89, Cl. 126-451.000.

Ghavi, Melinda M. Shaker top for baby bottles. 4,818,114, 4-4-89, Cl. 366-130.000.

Ghebre-Sellassie, Isaac; Nesbitt, Russell U., Jr.; Iyer, Uma; and Fawzi, Mahdi B., to Warner-Lambert Company. Sustained release pharmaceutical preparations. 4,810,501, 3-7-89, Cl. 424-469.000.

Ghebre-Sellassie, Isaac; Gordon, Robert H.; and Fawzi, Mahdi B., to Warner-Lambert Company. Lipid regulating agents. 4,814,354, 3-21-89, Cl. 424-440.000.

Gheewala, Tushar R.: *See—*

Bezak, Steve J.; Gheewala, Tushar R.; Campbell, Stephen A.; and Baseman, Robert J., 4,845,542, Cl. 357-68.000.

Ghelani, Jitendra K.: *See—*

Nelsen, Pete E.; and Ghelani, Jitendra K., 4,805,128, Cl. 364-715.030.

Ghelardoni, Mario: *See—*

Pestellini, Vittorio; Ghelardoni, Mario; Giannotti, Danilo; Giolitti, Alessandro; Barzanti, Adriano; Ciappi, Rossella; and Ortolani, Carlo, 4,800,208, Cl. 514-397.000.

Ghemini Technologies: *See—*

Khattak, Chandra P.; White, Vernon E.; Schmid, Frederick; and Wohlgemuth, John H., 4,840,699, Cl. -//.000.

Ghent, William R.; and Eskin, Bernard A. Treatment of iodine deficiency breast syndrome. 4,816,255, 3-28-89, Cl. 424-150.000.

Gherardi, Gian L., to SASIB S.p.A. Method and device for controlling the vacuum in a succession of suction conveyors. 4,840,266, 6-20-89, Cl. 198-471.100.

Gherling, Jan, to MAN Gutehoffnungshutte. Ramp section for collapsible floating bridge or ferry. 4,833,750, 5-30-89, Cl. 14-27.000.

Gherman, Steven B.; and Roche, David L. Capo. 4,823,670, 4-25-89, Cl. 84-318.000.

Ghiardo, Fiorenzo, to ROJ Electrotex S.p.A. Weft feeding device for weaving looms. 4,865,085, 9-12-89, Cl. 139-452.000.

Ghibely, Bruno. Electrically operated driving device. 4,807,793, 2-28-89, Cl. 227-131.000.

Ghidini, Gabriella; and Crisenza, Giuseppe, to SGS Microelecttronica S.p.A. Fabrication process for EPROM cells with oxide-nitride-oxide dielectric. 4,808,261, 2-28-89, Cl. 156-653.000.

Ghielmetti, Giuseppe: *See—*

Pontoglio, Enrico; Parodi, Sandro; Ghielmetti, Giuseppe; and Casale, Liborio, 4,808,345, Cl. 260-544.00D.

Ghilai, Shay: *See—*

Ziph, Leah; and Ghilai, Shay, 4,818,065, Cl. 350-174.000.

Ghini, Franco: *See—*

Mattei, Riccardo; and Ghini, Franco, 4,875,493, Cl. 131-84.100.

Ghiraldi, Alberto, to D.S.D.P. - S.p.A. Shelter for thermally conditioning electronic appliances. 4,798,238, 1-17-89, Cl. 165-32.000.

Ghirardi, Orlando: *See—*

Foresta, Piero; Ghirardi, Orlando; Gabetta, Bruno; and Cristoni, Aldo, 4,879,376, Cl. 536-18.100.

Ghodsizadeh, Yousef; and Seitz, David A., to Nestec S.A. Freeze concentration system and method. 4,830,645, 5-16-89, Cl. 62-541.000.

Gholston, Yvonne: *See—*

Phillips, Eddie; Harville, Dyle; Lee, Mildred; Kirby, Danny; Ellison, Kathleen; Smithy, Mary J.; McNutt, Eugene; Gholston, Yvonne; Brewer, Jim; and McClure, Charles, 4,887,774, Cl. 242-58.600.

Ghorashi, Hamid M., to Du Pont de Nemours, E. I., and Company. Process for dyeing crystalline aromatic polyamide fibers with water-insoluble dyes. 4,883,496, 11-28-89, Cl. 8-476.000.

Ghose, Rabindra N., to Technology Research International, Inc. Adaptive noise abatement system. 4,829,590, 5-9-89, Cl. 455-63.000.

Ghose, Sanjoy; Bronshvatch, Efim; and Peterson, Miles L., to Seagate Technology, Inc. Integrated disc drive and actuators support. 4,881,140, 11-14-89, Cl. 360-106.000.

Ghosh, Amal K.: *See—*

Vaughan, David E. W.; and Ghosh, Amal K., 4,832,824, Cl. 208-138.000.

Ghosh, Amit K., to Rockwell International Corporation. Method of fabricating a metal aluminide composite. 4,847,044, 7-11-89, Cl. 419-8.000.

Ghosh, Amit K.: *See—*

Mahoney, Murray W.; and Ghosh, Amit K., 4,799,974, Cl. 148-12.70A.

Ghosh, Asim; and Toukmanian, Aram H., to Carling O'Keefe Breweries of Canada Limited. Bottle with integral cap-removing recess. 4,798,300, 1-17-89, Cl. 215-10.000.

Ghosh, Pushpito K.; Bhattacharyya, Dhirendra N.; Iyer, Rama S.; Chikale, Sudhakar V.; Chattopadhyay, Arun K.; Paul, Sasanka S.; and Rao, Vattipalli M., to Iel Limited. Water-in-oil emulsion explosive compositions containing organophilic smectite clay. 4,808,251, 2-28-89, Cl. 149-2.000.

Ghosh Roy, Dilip N.: *See—*

Brimhall, Owen D.; Peterson, Stephen C.; Kotlyar, Oleg; and Ghosh Roy, Dilip N., 4,874,358, Cl. 494-37.000.

Ghosh, Soumitra: *See—*

Musso, Gary F.; and Ghosh, Soumitra, 4,833,251, Cl. 548-303.000.

Ghossi, Parviz: *See—*

Goers, Steven K.; Ghossi, Parviz; Patterson, John T.; and Young, Cynthia L., 4,806,379, Cl. 426-650.000.

Ghrayeb, John: *See—*

Chang, Nancy T.; and Ghrayeb, John, 4,808,536, Cl. 435-5.000.

GHT, Gesellschaft fur Hochtemperaturreaktor-Technik mbH: *See—*

Reutler, Herbert; Lohnert, Gunter; and Lukaszewicz, Johannes, 4,795,607, Cl. 376-299.000.

Ghyczy, Miklos: *See—*

Hager, Jorg; Ghyczy, Miklos; Feyen, Vincent; Imberge, Paul; Brandenburg, Ulrich; and Wilperath, Peter, 4,874,553, Cl. 260-403.000.

GIA Research Company, L.P.: *See—*

Bailey, Anne; and Rasums, Andrejs, 4,863,875, Cl. 436-518.000.

Giacobbe, Frederick, to American Air Liquide. Process for heat treating metals or metal alloys in a thermal plasma. 4,872,926, 10-10-89, Cl. 148-13.100.

Giacomazzi, Roy A.; and Giampa, Rolland D., to General Motors Corporation. Fuel tank venting. 4,798,306, 1-17-89, Cl. 220-86.00R.

Giacomazzi, Roy A.: *See—*

Rich, Gregory E.; Giacomazzi, Roy A.; and Wilds, Jack C., 4,881,578, Cl. 141-44.000.

Giacomazzo, Salvatore: *See—*

Carlson, Kenneth A.; LeBrun, John F.; Giacomazzo, Salvatore; and Saperia, Jonathan D., 4,809,220, Cl. 364-900.000.

Giacometti, Emmanuel, to Societe Anonyme dite: Aerospatiale Societe Nationale Industrielle. System for adjusting the relative angular positions of two video cameras directed towards the same object and application thereof to the adjustment of the orientation of two apparatus. 4,811,093, 3-7-89, Cl. 358-106.000.

Giacomini, Luigi: *See—*

Bonomi, Giovanni B.; Giacomini, Luigi; Bonomi, Christiano; Aresa, Carmine; and Frigo, Valerio, 4,885,836, Cl. 29-524.100.

Giacopelli, James N.; and Sincoskie, Walter D., to Bell Communications Research, Inc. Packet switch with dynamic allocation of inputs. 4,866,701, 9-12-89, Cl. 370-60.000.

Giacopelli, James N.: *See—*

Bussey, Howard E., Jr.; Giacopelli, James N.; and Marcus, William S., 4,797,880, Cl. 370-60.000.

Giacosa, Dante, to Fiat Auto S.p.A. Continuous speed variator with expanding pulleys. 4,875,893, 10-24-89, Cl. 474-28.000.

Gialanella, Donald G.: *See—*

Wilson, Robert D.; Grigg, Douglas W.; and Gialanella, Donald G., 4,854,575, Cl. 272-122.000.

Giallorenzi, Thomas G., to United States of America, Navy. Optical paramagnetic/diamagnetic gas sensor. 4,875,357, 10-24-89, Cl. 73-27.00A.

Giallourakis, Michael A., to Sponge Fishing Co, Inc. Polishing pad. 4,821,360, 4-18-89, Cl. 15-244.300.

Giamei, Anthony F.: *See—*

Anderson, Neal P.; Giamei, Anthony F.; and Salkeld, Richard W., 4,804,311, Cl. 415-191.000.

Giametta, Joseph A. Multi-pipe trap adapter. 4,850,615, 7-25-89, Cl. 285-12.000.

Giammarco, Nicholas J.; Gimpelson, Alexander; Kaplita, George A.; Lopata, Alexander D.; Scaduto, Anthony F.; and Shepard, Joseph F., to International Business Machines Corporation. Mask using lithographic image size reduction. 4,871,630, 10-3-89, Cl. 430-14.000.

Giampa, Randall S.: *See—*

Patel, Dipakkumar I.; and Giampa, Randall S., 4,808,948, Cl. 331-4.000.

Giampa, Rolland D.: *See—*

Giacomazzi, Roy A.; and Giampa, Rolland D., 4,798,306, Cl. 220-86.00R.

Giampapa, Vincent C. Method of positioning and securing a chin implant. 4,888,018, 12-19-89, Cl. 623-16.000.

Gian, Michael. Method and apparatus for continuous mixing of small, precise quantities of bulk materials with a liquid stream. 4,801,210, 1-31-89, Cl. 366-156.000.

Giancarlo, Cristiani, to Danieli & C. Officine Meccaniche SpA. Device to draw extruded stock for an extrusion press. 4,873,857, 10-17-89, Cl. 72-257.000.

Giancarlo, Mondini: *See—*

Bachinger, Peter; and Giancarlo, Mondini, 4,809,920, Cl. 242-55.100.

Giandomenico, Christen M.: *See—*

Picker, Donald H.; Abrams, Michael J.; Vollano, Jean F.; and Giandomenico, Christen M., 4,851,403, Cl. 514-185.000.

Giandonato, Giuseppe: *See—*

Balboni, Gian P.; Giandonato, Giuseppe; Melen, Riccardo; and Vercellone, Vinicio, 4,890,281, Cl. 370-60.000.

Gianella, Edward P.; and Garistina, Gregory, to Perkin-Elmer Corporation, The. Closed loop powder flow regulator. 4,863,316, 9-5-89, Cl. 406-14.000.

Gianesello, Valter: *See—*

Gazzaniga, Annibale; Gianesello, Valter; Stroppolo, Federico; and Vigano, Luigi, 4,834,966, Cl. 424-43.000.

Gianforcaro, Anthony. Motor vehicle brake-state of motion signal-lights indicator. 4,837,554, 6-6-89, Cl. 340-468.000.

Giani, Roberto P.; Parini, Ettore; Tonon, Giancarlo; and Borsa, Massimiliano, to Dompe' Farmaceutici S.p.A. Process for the preparation of pyridobenzodiazepinone. 4,841,046, 6-20-89, Cl. 540-495.000.

Giani, Roberto P.; Malandrino, Salvatore; and Tonon, Giancarlo, to Dompe' Farmaceutici S.p.A. Pharmacologically active alkylol derivatives. 4,849,422, 7-18-89, Cl. 514-252.000.

Giannakopoulos, Cidell M. Disposable kitty litter box and bag combination. 4,884,526, 12-5-89, Cl. 119-1.000.

Giannella, Piccolo G., to Exar Corporation. Programmable active/passive cell structure. 4,851,893, 7-25-89, Cl. 357-48.000.

Giannesi, Pier G., to Minnesota Mining and Manufacturing Company. Process and element for obtaining a photographic image. 4,812,390, 3-14-89, Cl. 430-434.000.

Giannetti, Enzo; and Visca, Mario, to Ausimont S.p.A. Process for the polymerization in aqueous dispersion of fluorinated monomers. 4,864,006, 9-5-89, Cl. 526-209.000.

Giannetti, John; and Sleve, Jerry F., to Eastman Kodak Company. Sheet separating device. 4,822,021, 4-18-89, Cl. 271-35.000.

Giannetti, John; Sleve, Jerry F.; and Shea, Robert H., to Eastman Kodak Company. Bottom scuff sheet separating device. 4,844,435, 7-4-89, Cl. 271-10.000.

Giannetti, John; Sleve, Jerry F.; and Kelley, Timothy H., to Eastman Kodak Company. Document sheet support mechanism. 4,853,746, 8-1-89, Cl. 355-48.000.

Giannetti, John; Couture, Robert L.; and Sleve, Jerry F., to Eastman Kodak Company. Duplex document handler. 4,884,097, 11-28-89, Cl. 355-23.000.

Giannini, Gabriel M. Hybrid electro-optical connectors. 4,844,582, 7-4-89, Cl. 350-96.210.

Giannini, Giancarlo. Sound generating outerwear and associated switches. 4,860,364, 8-22-89, Cl. 381-90.000.

Giannini, Umberto: *See—*

Canova, Luciano; Giannini, Umberto; Albizzati, Enrico; Borghi, Italo; and Proto, Antonio, 4,889,896, Cl. 525-375.000.

Giannotti, Danilo: *See—*

Pestellini, Vittorio; Ghelardoni, Mario; Giannotti, Danilo; Giolitti, Alessandro; Barzanti, Adriano; Ciappi, Rossella; and Ortolani, Carlo, 4,800,208, Cl. 514-397.000.

Giannotti, Hugo V. Transit refuse resource recovery and incineration system. 4,852,815, 8-1-89, Cl. 241-65.000.

Giannuzzi, Louis N. Screw anchor. 4,828,439, 5-9-89, Cl. 411-37.000.

Giannuzzi, Louis N. Single-piece pre-shaped wall anchor. 4,828,445, 5-9-89, Cl. 411-451.000.

Giannuzzi, Ottavio, to Grumman Aerospace Corporation. Break-away rivet configuration. 4,838,746, 6-13-89, Cl. 411-504.000.

Gianotti, Jerome P.: *See—*

Wood, Brian J.; Compton, Peter M.; and Gianotti, Jerome P., 4,808,112, Cl. 439-66.000.

Giant Bay Biotech Inc.: *See—*

Hackl, Ralph P.; Wright, Frank R.; and Bruynesteyn, Albert, 4,888,293, Cl. 435-245.000.

Gianturco, Cesare, to Cook, Incorporated. Endovascular stent and delivery system. 4,800,882, 1-31-89, Cl. 128-343.000.

Giardina, Giuseppe; and Vecchietti, Vittorio, to Dr. Lo. Zambeleti S.p.A. Isoquinoline derivatives, analgesic compounds thereof and method of treating pain. 4,806,547, 2-21-89, Cl. 514-307.000.

Giardina, Jacob; and Rodrigue, Kenneth, to Cameco Industries, Inc. Boom and grapple configuration for loading wholestalk cut sugar cane and method of operation. 4,878,341, 11-7-89, Cl. 56-364.000.

Giasi, Joseph. Adhesively secured container cover. 4,856,708, 8-15-89, Cl. 229-125.170.

GIB Precision Limited: *See—*

Fortune, David J., 4,838,400, Cl. 192-56.00R.

Giba-Geigy Corporation: *See—*

Flury, Peter; Eldin, Sameer H.; Roth, Martin; and Rabener, Claus W., 4,855,367, Cl. 525-507.000.

Reinherz, Barry P., 4,828,596, Cl. 65-24.000.

Gibas, Daniel F., to Ivan's Idiosyncrasy, Inc. Slack adjuster lubricator and methods of use. 4,798,265, 1-17-89, Cl. 184-105.100.

Gibb, Allan W. M.; Gartner, Hans R.; Bauer, A. William; and Chadwick, Dennis P., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Wall-breaching apparatus. 4,856,430, 8-15-89, Cl. 102-207.000.

Gibb, James L.; Laird, James A.; and Berntson, Leslie G., to Minnesota Mining and Manufacturing Company. Epoxy novolac coated ceramic particulate. 4,869,960, 9-26-89, Cl. 428-405.000.

Gibb, Peter R., to Canocean Engineering Ltd. Sealing means for a multipath, multipass swivel. 4,819,966, 4-11-89, Cl. 285-18.000.

Gibb, Peter R.: *See—*

Yip, David; and Gibb, Peter R., 4,817,992, Cl. 285-18.000.

Gibb, Thomson B., to Vacuum Furnace Systems Corporation. Hot zone employing graphite heating elements. 4,860,306, 8-22-89, Cl. 373-112.000.

Gibbemeyer, Joseph F., to Cincinnati Milacron Inc. Blow molding apparatus. 4,795,023, 1-3-89, Cl. 198-468.600.

Gibbemeyer, Joseph F., to Cincinnati Milacron Inc. Blow molding apparatus. 4,801,001, 1-31-89, Cl. 198-468.200.

Gibbemeyer, Joseph F., to Cincinnati Milacron Inc. Blow molding apparatus. 4,818,212, 4-4-89, Cl. 425-529.000.

Gibbens, John C.; and Haislip, Arlene. Padded pant construction for athletic purposes. 4,805,243, 2-21-89, Cl. 2-228.000.

Gibbens, Richard J.: *See—*

Kelly, Francis P.; Gibbens, Richard J.; Key, Peter B.; Turton, Paul A.; Stacey, Roger R.; and Whitehead, Martin J., 4,862,496, Cl. 379-221.000.

Gibboni, David J.: *See—*

Cohen, Richmond R.; and Gibboni, David J., 4,811,745, Cl. 131-342.000.

Gibbons, Charles E.; Tanner, Cynthia L.; and Whillock, Allan A., to International Paper Company. Non-foil composite structures for packaging juice. 4,802,943, 2-7-89, Cl. 156-244.230.

Gibbons, Charles E.; Kinsey, Joe L., Jr.; and Whillock, Allan A., to International Paper Company. Flavor/aroma polycarbonate barrier laminates for paperboard cartons. 4,806,399, 2-21-89, Cl. 428-34.200.

Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, to International Paper Company. Oxygen impermeable leak free container. 4,859,513, 8-22-89, Cl. 428-34.200.

Gibbons, Charles E.; and Whillock, Allan A., to International Paper Company. Method of making a laminate using heat sealable barrier material for improved juice packaging (Evoh). 4,861,526, 8-29-89, Cl. 264-22.000.

Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, to International Paper Company. Oxygen impermeable leak free container. 4,880,701, 11-14-89, Cl. 428-34.200.

Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, to International Paper Company. Oxygen impermeable leak free container. 4,888,222, 12-19-89, Cl. 428-34.200.

Gibbons, Gould: *See—*

Walker, Evan H.; and Gibbons, Gould, 4,850,260, Cl. 89-34.000.

Gibbons, Ian, to Biotrack, Inc. Method for detecting a metal ion in an aqueous environment. 4,820,647, 4-11-89, Cl. 436-79.000.

Gibbons, Ian, to Biotrack, Inc. Agglutination assay. 4,829,011, 5-9-89, Cl. 436-512.000.

Gibbons, Ian; Hillman, Robert S.; and Robertson, Channing R., to Biotrack Inc. Apparatus and method for dilution and mixing of liquid samples. 4,868,129, 9-19-89, Cl. 436-179.000.

Gibbons, James F.: *See—*

Cogan, George W.; Christel, Lee A.; Merchant, J. Thomas; and Gibbons, James F., 4,824,489, Cl. 136-256.000.

Reynolds, Scott K.; Vook, Dietrich W.; and Gibbons, James F., 4,879,259, Cl. 437-247.000.

Gibbons, John E. C.: *See—*

Whitehead, Thomas P.; Thorpe, Gary H. G. H.; Kricka, Larry J.; Gibbons, John E. C.; and Bunce, Roger A., 4,879,097, Cl. 422-67.000.

Gibbons, Peter. Cruciform engine. 4,850,313, 7-25-89, Cl. 123-55.00R.

Gibbons, Richard N.: *See—*

Bolton, Ivor W.; Gibbons, Richard N.; and Dixon, Gerald, 4,857,087, Cl. 55-385.600.

Gibbons, Robert C.; and Cottle, Wilbur W., to Texas Instruments Incorporated. Dual field of view catadioptric optical system. 4,877,317, 10-31-89, Cl. 350-559.000.

Gibbons, Robert D. Method and apparatus for digital analysis of multiple component visible fields. 4,807,163, 2-21-89, Cl. 364-555.000.

Gibbons, William J.: *See—*

Sabersky, Andrew P.; Littlestone, Nicholas; Abbott, Jack E.; Gibbons, William J.; D'Orazio, Robert R.; and Smith, Nathan R., 4,827,436, Cl. 364-559.000.

Gibbs, Andrew R.: *See—*

Newman, Alec T.; Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Gibbs, Andrew R., 4,873,915, Cl. 99-289.00R.

Gibbs, Anthony, to Walex Products Company. Deodorizing compositions. 4,818,524, 4-4-89, Cl. 424-76.100.

Gibbs, David L. Method and apparatus for use in microscope investigations. 4,833,382, 5-23-89, Cl. 318-640.000.

Gibbs, Floyd M. Controlled attractant-discharge mechanism for fishing lures. 4,888,907, 12-26-89, Cl. 43-42.060.

Gibbs & Hill Espanola, S.A.: *See—*

Alba, Emilio C., 4,844,341, Cl. 239-18.000.

Gibbs & Hill, Inc.: *See—*

Nakhamkin, Michael, 4,870,816, Cl. 60-39.020.

Nakhamkin, Michael, 4,872,307, Cl. 60-39.020.

Nakhamkin, Michael, 4,885,912, Cl. 60-652.000.

Gibbs, James D.: *See—*

Dumonceaux, Gary W.; Weber, Edwin R.; and Gibbs, James D., 4,798,551, Cl. 441-130.000.

Gibbs, Lesley L.; and Morell, Charles J., to Kimberly-Clark Corporation. Elastic dust mop head cover. 4,823,427, 4-25-89, Cl. 15-247.000.

Gibbs, Philip W. Multi-blade folding knife with lock open feature. 4,805,303, 2-21-89, Cl. 30-161.000.

Gibbs, Philip W., to Camillus Cutlery Co. Rifle field service tool. 4,819,289, 4-11-89, Cl. 7-118.000.

Gibbs, Richard B. Luggage corner construction method. 4,803,769, 2-14-89, Cl. 29-416.000.

Gibbs, Robert W. Device for destroying bacteria. 4,886,593, 12-12-89, Cl. 204-302.000.

Gibbs, Roger H.; and Lowrie, David J., to PDR Microelectronics Limited. Infra-red rework station. 4,843,216, 6-27-89, Cl. 219-354.000.

Gibbs, Terence: *See—*

Irazoqui, Carlos A.; and Gibbs, Terence, 4,869,133, Cl. 81-3.080.

Gibbs, Terence E., to Omni Products International, Inc. Multiple seat chair structure. 4,848,843, 7-18-89, Cl. 297-440.000.

Gibbs, Trevor K.: *See—*

Bone, David J.; Gibbs, Trevor K.; Buckenham, Howard A.; and Gotley, Paul, 4,810,352, Cl. 204-432.000.

Gibbs, William E.: *See—*

Allen, Richard B.; Gibbs, William E.; and Hans, Lynn M., 4,874,796, Cl. 521-59.000.

Gibby, Wendell A. Contrast enhancing agents for magnetic resonance images. 4,822,594, 4-18-89, Cl. 424-9.000.

Gibeck-Dryden Corporation: *See—*

Dryden, Paul E.; Autieri, Richard J.; and Daly, Robert G., 4,838,258, Cl. 128-204.180.

Gibel, John P.; Spies, Henry J; and Petri, Woldemar R., to Carelift Equipment Limited. Telescopic mast assembly. 4,848,520, 7-18-89, Cl. 187-9.00E.

Gibeltirra, James: *See—*

Scheller, Gregg D.; Gahn, Jerry S.; Higgins, Daniel E.; Wendt, Richard; Gibeltirra, James; and Ritter, J. Alan, 4,837,857, Cl. 455-617.000.

Giberson, Melbourne F.; and Lindgren, Richard P. Rotating shaft mounted actuating mechanism. 4,867,006, 9-19-89, Cl. 74-573.00R.

Gibilisco, Kenneth, to Merck & Co., Inc. Child-resistant closure device. 4,832,218, 5-23-89, Cl. 215-220.000.

Gibilisco, Kenneth J., to Merck & Co., Inc. Adjustable tablet breaking apparatus. 4,887,755, 12-19-89, Cl. 225-103.000.

Gibot, Claude; Peyremorte, Jean-Pierre; and Sojka, Richard, to Carboxyque Francaise; and Societe Nouvelle des Etablissements J. Lagarde. Chamber and process for thermal treatment comprising a cooling phase. 4,878,353, 11-7-89, Cl. 62-52.100.

Gibson, Alan F.: *See—*

Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C.; and Gibson, Alan F., 4,800,135, Cl. 428-653.000.

Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C.; and Gibson, Alan F., 4,883,723, Cl. 428-653.000.

Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., 4,808,278, Cl. 204-28.000.

Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., 4,814,054, Cl. 204-207.000.

Gibson, Alan R.: *See—*

Zealear, David L.; and Gibson, Alan R., 4,817,628, Cl. 128-741.000.

Gibson, Barbara L.: *See—*

Higgs, Jacob K.; and Gibson, Barbara L., 4,859,941, Cl. 324-208.000.

Gibson, Bernard P., Jr.; and Merchant, Howard C., to Moxee Innovations Corporation. Stabilized tensioning device for flexible drive element. 4,850,934, 7-25-89, Cl. 474-111.000.

Gibson, Charles A.; Ahmed, Moinuddin; and Nelson, James R., to Union Carbide Corporation. Continuous process for preparing alkanolamines. 4,847,418, 7-11-89, Cl. 564-477.000.

Gibson, Charles A.: *See—*

Ahmed, Moinuddin; Nelson, James R.; and Gibson, Charles A., 4,845,296, Cl. 564-477.000.

Gibson, D. Glenn: *See—*

Andrews, T. Arthur; and Gibson, D. Glenn, 4,875,498, Cl. 137-78.300.

Gibson, David A.: *See—*

Herrell, Dennis J.; and Gibson, David A., 4,860,444, Cl. 29-840.000.

Gibson, David E.; and Gibson, Steven D. Trash bag support with collapsible legs. 4,889,300, 12-26-89, Cl. 248-97.000.

Gibson, David L.: *See—*

Willis, Alan R.; Bruce, Ian P. C.; Gibson, David L.; and Whitbread, Hugh, 4,849,966, Cl. 370-85.000.

Gibson, Edwin D.: *See—*

Schmidt, Frederick A.; Verhoeven, John D.; and Gibson, Edwin D., 4,832,738, Cl. 75-10.230.

Verhoeven, John D.; McMasters, O. Dale; Gibson, Edwin D.; Ostenson, Jerome E.; and Finnemore, Douglas K., 4,818,304, Cl. 148-103.000.

Gibson, Frederick A.: *See—*

Colclough, Terence; Gibson, Frederick A.; and Marsh, John F., 4,867,890, Cl. 252-327.00E.

Gibson, George A.: *See—*

Landa, Benzion; Ben-Auraham, Peretz; Hall, Joseph; and Gibson, George A., 4,842,974, Cl. 430-137.000.

Simms, Robert M.; and Gibson, George A., 4,860,924, Cl. 222-56.000.

Gibson, George H.; Smits, Robert G.; and Eberhard, Philippe H., to United States of America, Energy. Wire inhomogeneity detector having a core with opposing pole pieces and guide pieces adjacent the opposing pole pieces. 4,864,236, 9-5-89, Cl. 324-238.000.

Gibson, Glenn A. Rules and apparatus for a loop capturing code buffer that prefetches instructions. 4,876,642, 10-24-89, Cl. 364-200.000.

Gibson Guitar Corp.: *See—*

Turner, Warwick A., 4,846,038, Cl. 84-293.000.

Gibson, Holland R., Jr.: *See—*

Cazares, Albert; and Gibson, Holland R., Jr., 4,881,275, Cl. 2-161.00A.

Gibson, Jack E. Tangential jet air pipe coating apparatus and method. 4,816,296, 3-28-89, Cl. 427-183.000.

Gibson, Jack E. Method of powder coating the inside of pipes with a continuous film of plastic material. 4,816,297, 3-28-89, Cl. 427-183.000.

Gibson, James L.: *See—*

Rubemeyer, Ronald W.; and Gibson, James L., 4,850,434, Cl. 172-40.000.

Gibson, James O.; Gearhart, Victor C.; Birrell, Steven E.; and Hawrylow, Gabriele M., to Hughes Aircraft Company. High reflectance laser resonator cavity. 4,802,186, 1-31-89, Cl. 372-92.000.

Gibson, James O.; Gearhart, Victor C.; Birrell, Steven E.; and Hawrylow, Gabriele M., to Hughes Aircraft Company. High reflectance laser resonator cavity. 4,805,181, 2-14-89, Cl. 372-72.000.

Gibson, Jeffrey W.; and Bayman, Hal, to Burlington Industries, Inc. Vacuum powered manually operated cleaning tool for active surfaces of fluid-jet print head. 4,881,085, 11-14-89, Cl. 346-75.000.

Gibson, Jeremy H., to Leichtung Inc. Dowelling jig. 4,884,926, 12-5-89, Cl. 408-115.00R.

Gibson, John. Stabilized spring holder. 4,810,032, 3-7-89, Cl. 297-265.000.

Gibson, John. Debris diverting boom. 4,879,028, 11-7-89, Cl. 210-169.000.

Gibson, John W.: *See—*

Dunn, Richard L.; Gibson, John W.; Eddy, Carlton A.; and Laufe, Leonard E., 4,841,968, Cl. 128-335.500.

Gibson, Joseph R.: *See—*

Frentrup, Mark A.; Gibson, Joseph R.; Carson, James E.; and Davis, Pauls, 4,797,229, Cl. 252-345.000.

Gibson, Joseph W., Jr., to Du Pont de Nemours, E. I., and Company. Process for detackifying photopolymer flexographic printing plates. 4,806,506, 2-21-89, Cl. 430-309.000.

Gibson, Lowell L.: *See—*

Thakkar, Arvind L.; and Gibson, Lowell L., 4,797,286, Cl. 424-456.000.

Thakkar, Arvind L.; and Gibson, Lowell L., 4,847,092, Cl. 424-456.000.

Gibson, Mark: *See—*
  Potts, Angela C.; and Gibson, Mark, 4,888,168, Cl. 424-78.000.

Gibson, Michael A.: *See—*
  Stahl, Charles R.; Gibson, Michael A.; and Knudsen, Christian W., 4,876,780, Cl. 29-157.400.

Gibson, Michael R.: *See—*
  Yoe, Craig S.; Gibson, Michael R.; O'Patka, Dennis J.; and Kuna, Wayne A., 4,798,455, Cl. 351-51.000.

Gibson, Paul N., to McFarlane, Ronald L. Control system for earth boring tool. 4,875,292, 10-24-89, Cl. 33-304.000.

Gibson, Peter J., to U.S. Philips Corp. Coplanar patch antenna. 4,873,529, 10-10-89, Cl. 343-700.0MS.

Gibson, Peter J.: *See—*
  Beard, David R.; Gibson, Peter J.; and Hinchey, Christopher B., 4,854,408, Cl. 180-9.320.
  Brown, Ian A.; Cremore, George J. J.; and Gibson, Peter J., 4,863,474, Cl. 623-16.000.
  Davies, Robert; Hoare, Percy W.; and Gibson, Peter J., 4,882,553, Cl. 333-26.000.
  King, David W.; and Gibson, Peter J., 4,825,969, Cl. 180-9.100.

Gibson, Peter O. Hermaphrodite wrench. 4,856,387, 8-15-89, Cl. 81-124.400.

Gibson, Phillip R.; and McNutt, Ival D. Toilet seat lifting aid. 4,850,062, 7-25-89, Cl. 4-251.000.

Gibson, Robert P.: *See—*
  Adams, Jerry G.; Gibson, Robert P.; and Mueller, Denis A., 4,866,714, Cl. 371-22.100.

Gibson, Robert R.: *See—*
  Bailey, James B.; Gibson, Robert R.; Nunley, Alvin, III; and Utz, Q. Wayne, 4,873,676, Cl. 367-98.000.

Gibson, Royce G. Apparatus for the production of processed meat products. 4,815,165, 3-28-89, Cl. 17-26.000.

Gibson, Royce G., to Tendapak Holdings PTY. Limited. Process for preparing a reformed meat product and product thereof. 4,820,535, 4-11-89, Cl. 426-272.000.

Gibson, Shelby R.: *See—*
  Murray, Gerald D.; Gibson, Shelby R.; Carpenter, Keith J.; Carpenter, Kenneth E.; and Carpenter, Michael R., 4,854,784, Cl. 407-114.000.

Gibson, Steven D.: *See—*
  Gibson, David E.; and Gibson, Steven D., 4,889,300, Cl. 248-97.000.

Gibson, Walter T., to Lever Brothers Company. Skin treatment composition. 4,871,839, 10-3-89, Cl. 536-55.100.

Gibson, William: *See—*
  Clare, Kenneth; and Gibson, William, 4,859,208, Cl. 8-557.000.

Gibson, William A.: *See—*
  Talmage, John E., Jr.; and Gibson, William A., 4,797,514, Cl. 178-18.000.

Gick, Wilhelm: *See—*
  Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Diekhaus, Gerhard; Konkol, Werner; and Wiebus, Ernst, 4,801,754, Cl. 568-454.000.
  Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Hahn, Heinz-Dieter; Konkol, Werner; and Wiebus, Ernst, 4,808,758, Cl. 568-454.000.
  Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Gick, Wilhelm; Heim, Volker; Konkol, Werner; and Wiebus, Ernst, 4,879,418, Cl. 568-454.000.
  Cornils, Boy; Konkol, Werner; Bach, Hanswilhelm; Gick, Wilhelm; Wiebus, Ernst; Bahrmann, Helmut; and Hahn, Heinz-Dieter, 4,808,757, Cl. 568-454.000.

Gicquiaux, Yvon G. A. J. M.: *See—*
  de Baynast de Septfontaines, Regis J. M. P.; Brouard, Francois E. M. E.; Baret, Jean-Luc A. G.; Gicquiaux, Yvon G. A. J. M.; and Olsen, Hans S., 4,886,672, Cl. 426-48.000.

Gidda, Jaswant S.; and Monkovic, Ivo, to Bristol-Myers Company. Thiadiazole oxides for treating gastrointestinal motility disorders. 4,829,073, 5-9-89, Cl. 514-326.000.

Giddey, Claude; and Dove, Georges, to Jacobs-Suchard-A.G. Aerated food product based on raw milk and method for its preparation. 4,818,554, 4-4-89, Cl. 426-564.000.

Giddey, Claude; and Dove, Georges, to Battelle Memorial Institute. Low-density food product comprised of honey mousse, and production method thereof. 4,849,240, 7-18-89, Cl. 426-564.000.

Giddey, Claude; and Bunter, Guy, to Battelle Memorial Institute. Cocoa based composition for the preparation of drinks by dissolution in water. 4,882,181, 11-21-89, Cl. 426-74.000.

Giddings, Gary M., to Discovision Associates. Banded and interleaved video disc format with duplicate information stored at different disc locations. 4,796,098, 1-3-89, Cl. 358-342.000.

Giddings, Gary M., to Discovision Associates. Information storage carrier and method for storing duplicate information. 4,797,752, 1-10-89, Cl. 358-342.000.

Giddings, Gary M., to Discovision Associates. Method of time limited searching for a track address on an optically read information disc. 4,845,697, 7-4-89, Cl. 369-32.000.

Giddings, John C., to University of Utah. High speed separation of ultra-high molecular weight polymers by hyperlayer field-flow fractionation. 4,830,756, 5-16-89, Cl. 210-739.000.

Gidge, Lester, to Bay Mills Limited. Machine and process for forming crosswise filaments for non-woven fabric and product of the process. 4,867,825, 9-19-89, Cl. 156-181.000.

Gidon, Georges M.: *See—*
  Riou, Claude R.; and Gidon, Georges M., 4,877,686, Cl. 428-514.000.

Gidon, Pierre; Lizet, Jacques; and Valette, Serge, to Commissariat a l'Energie Atomique. Displacement transducer in integrated optics. 4,865,453, 9-12-89, Cl. 356-358.000.

Gidseg, Edward. Apparatus and system for fabricating refrigeration cabinets. 4,820,372, 4-11-89, Cl. 156-356.000.

Gidseg, Edward. Thermal breaker strip for refrigeration cabinets. 4,860,921, 8-29-89, Cl. 220-467.000.

Gidseg, Edward D.; and Ganik, Jan, to Gidseg, Edward D. Hinge assembly. 4,864,691, 9-12-89, Cl. 16-312.000.

Giebel, Burkhard; and Theus, Ulrich, to Deutsche ITT Industries GmbH. Serial first-in-first-out (FIFO) memory and method for clocking the same. 4,803,657, 2-7-89, Cl. 365-221.000.

Giebel, Burkhard: *See—*
  Theus, Ulrich; and Giebel, Burkhard, 4,882,610, Cl. 357-23.130.

Giebel, Gerhard, to DVSG Patentverwaltungs GmbH. Machine for lasting side portions of shoe uppers. 4,853,997, 8-8-89, Cl. 12-8.300.

Giebel, Wolfgang: *See—*
  Oestreich, Ulrich; and Giebel, Wolfgang, 4,841,103, Cl. 174-70.00S.

Giebeler, Eberhard: *See—*
  Dietrich, Wolf; Beez, Volker; and Giebeler, Eberhard, 4,801,404, Cl. 252-607.000.

Giebeler, Robert, to Beckman Instruments, Inc. Method and apparatus for overspeed protection for high speed centrifuges. 4,827,197, 5-2-89, Cl. 318-3.000.

Giebeler, Robert, to Beckman Instruments, Inc. UV scanning system for centrifuge. 4,830,493, 5-16-89, Cl. 356-328.000.

Giebeler, Robert; and Durland, Douglas H., to Beckman Instruments, Inc. Rotor temperature control and calibration. 4,833,891, 5-30-89, Cl. 62-65.000.

Giebeler, Robert H.; and Inouye, Kenneth K., to Beckman Instruments, Inc. Rotating system critical speed whirl damper. 4,846,773, 7-11-89, Cl. 494-82.000.

Giebler, Martin M.: *See—*
  Palmer, William B.; and Giebler, Martin M., 4,862,190, Cl. 343-915.000.

Giede, Karl; and Hoeffkes, Horst, to Henkel Kommanditgesellschaft auf Aktien. Preparations for washing and rinsing hair. 4,795,032, 1-3-89, Cl. 424-70.000.

Giede, Karl: *See—*
  Hoeffkes, Horst; Lange, Fritz; and Giede, Karl, 4,820,511, Cl. 424-70.000.
  Ploog, Uwe; Busch, Peter; Thiele, Klaus; Hoffkes, Horst; and Giede, Karl, 4,803,068, Cl. 424-70.000.
  Schieferstein, Ludwig; Hoeffkes, Horst; Seidel, Kurt; Giede, Karl; and Busch, Peter, 4,814,101, Cl. 252-174.230.

Giehl, K. Ulrich; and Steinhardt, Lothar. Storage space for liquids with a flushing device. 4,800,907, 1-31-89, Cl. 134-166.00R.

Gielis, Gerardus C. M.; Bogers, Antonius J. P.; and Van Lerberghe, Steven J. W., to U.S. Philips Corporation. Digital lattice filter. 4,884,230, 11-28-89, Cl. 364-724.150.

Gier, Thurman E.; Shannon, Robert D.; Sonnichsen, George C.; Corbin, David R.; and Keane, Michael, Jr., to Du Pont de Nemours, E. I., and Company. Zeolite Rho as catalyst for conversion of methanol and ammonia to dimethylamine. 4,806,689, 2-21-89, Cl. 564-474.000.

Giercarz, Mieczyslaw; and Alfer, Jaroslaw O. Person lifting device. 4,837,874, 6-13-89, Cl. 5-83.000.

Gierer, Georg: *See—*
  Furtner, Horst; Gerteiser, Eugen; and Gierer, Georg, 4,817,467, Cl. 74-864.000.

Gierhart, Dennis O.: *See—*
  Hogan, William C.; and Gierhart, Dennis O., 4,800,093, Cl. 426-46.000.

Giering, Wilfried, to Lucas Industries public limited company. Actuator with automatic adjustment and with reset shaft for use in brakes especially of heavy duty vehicles. 4,830,149, 5-16-89, Cl. 188-71.900.

Gierke, Carl J.: *See—*
  Fay, James E., III; and Gierke, Carl J., 4,810,255, Cl. 44-14.000.
  Fay, James E., III; Hrubecky, Frederick J.; Mills, Doris A.; Gierke, Carl J.; Heikkinen, Wilbert; Williams, Rory D.; and Lang, James I., 4,834,774, Cl. 44-14.000.

Gierke, Martin P.: *See—*
  Miner, Jonathan L.; Lacher, Vernon R.; Rescigno, Gerald J.; Swim, William B.; Gierke, Martin P.; and Hahn, David A., 4,884,314, Cl. 15-344.000.

Giers, Bernhard, to Alfred Teves GmbH. Circuit configuration for brake systems with anti-lock control and/or traction slip control. 4,844,557, 7-4-89, Cl. 303-111.000.

Giersch, Dieter; Rickmann, Hans-Werner; and Wibbeling, Ulrich, to Hoechst Aktiengesellschaft. Removable tooth with adapter for digging excavators. 4,872,274, 10-10-89, Cl. 37-64.000.

Giersch, Rolf J.: *See—*
  Banzhaf, Werner; Eblen, Ewald; Faber, Heinrich; Giersch, Rolf J.; Hofmann, Karl; Liedtke, Dieter; and Norberg, Helmut, 4,801,095, Cl. 239-533.300.

Giersch, Wolfgang K.; and Ohloff, Gunther, to Firmenich S.A. Bicyclic aliphatic alcohols and their utilization as perfuming ingredients. 4,818,747, 4-4-89, Cl. 512-14.000.

Gierse, Franz J.; Pabst, Manfred; Hermanns, Heinz; Ippers, Karl; Krenn, Stephan; Huppe, Friedrich; Opgenoorth, Carl H.; and Wolters, Conrad, to A. Monforts GmbH & Co. Fabric web delivery apparatus. 4,858,843, 8-22-89, Cl. 242-65.000.

Gierut, Frederick J.: *See—*
  Brubaker, Weldon L.; Gierut, Frederick J.; Kowalkowski, James T.; and Liburdi, Francesco, 4,857,019, Cl. 439-751.000.

Gies, Burkhard; and Lingenhoff, Berthold, to Hamba-Maschinenfabrik Hans A. Muller GmbH & Co. KG. Cup-filling apparatus for a nutrient and palatable material, especially a dairy product. 4,796,406, 1-10-89, Cl. 53-202.000.

Gies, Burkhard, to Muller GmbH & Co. KG. Doser for sterilizer of a packaging system. 4,862,933, 9-5-89, Cl. 141-130.000.

Gies, Burkhard; and Lingenhoff, Berthold, to Hamba-Maschinenfabrik Hans A. Muller GmbH & Co. KG. Cup-filling apparatus for a nutrient and palatable material, especially a dairy product. 4,864,798, 9-12-89, Cl. 53-202.000.

Giese, David E.: *See—*
  Hoover, John C.; and Giese, David E., 4,801,902, Cl. 333-1.100.

Giese, Klaus: *See—*
  Brunner, Kurt; Fischer, Rudolf; and Giese, Klaus, 4,796,283, Cl. 377-6.000.

Giese, Robert D.: *See—*
  Butzen, James K.; Happ, Kenneth C.; and Giese, Robert D., 4,879,847, Cl. 51-170.00R.

Giese, Roger W.; Warden, Beverly; Kariman, Allam; Ehrat, Markus; Cecchini, Douglas J.; and Sentissi, Abdellah, to Northeastern University. Repetitive hit-and-run immunoassay and stable support-analyte conjugates; applied to T-2 toxin. 4,801,725, 1-31-89, Cl. 556-419.000.

Giese, Thomas G.: *See—*
  Durda, Joseph A.; and Giese, Thomas G., 4,882,099, Cl. 261-128.000.

Giesecke, Henning; Wolf, Gerhard D.; Probst, Joachim; and Schuster, Klaus, to Bayer Aktiengesellschaft. Method of improving the bond strength of electrolessly deposited metal layers on plastic-material surfaces. 4,832,989, 5-23-89, Cl. 427-306.000.

Gieseke, Steven S.: *See—*
  Engel, Donald F.; and Gieseke, Steven S., 4,856,826, Cl. 285-181.000.

Gieseler, Klaus: *See—*
  Burger, Karl-Heinz; Collmer, Rosemarie; Fimpel, Walter; Gieseler, Klaus; Kochendorfer, Heinrich; and Steegmuller, Helmut, 4,815,584, Cl. 198-463.300.

Giesen, Brigitte: *See—*
  Wegener, Ingo; Giesen, Brigitte; Meffert, Alfred; Werner, Claus; Hennen, Udo; and Hormes, Marlene, 4,861,508, Cl. 252-121.000.

Giesen, Monika; and Hubbuch, Magdalene, to Carl Freudenberg, Firma. Additive for cosmetic preparations. 4,826,809, 5-2-89, Cl. 514-2.000.

Giesick, Gary. Athletic protective safety sock. 4,856,110, 8-15-89, Cl. 2-22.000.

Gieskes, Koenraad A., to Soltec. B.V. Apparatus for the application of a conductive adhesive medium to a printed circuit board. 4,848,640, 7-18-89, Cl. 228-37.000.

Giesselmann, Gunter; Hartmann, Andreas; and Bruckner, Karl-Heinz, to Degussa Aktiengesellschaft. Concentration of volatile compounds from solid or liquid material. 4,846,935, 7-11-89, Cl. 203-86.000.

Giessler, Johannes: *See—*
  Weckler, Joachim, 4,853,964, Cl. 381-156.000.

Giesy, Jerry D.; Hermann, George D.; and Hoskins, Matthew W., to Fogarty, Thomas J. Protective sheath instrument carrier. 4,798,193, 1-17-89, Cl. 128-7.000.

Giesy, Jerry D.; Hoskins, Matthew W.; and Hermann, George D., to Fogarty, Thomas J. Instrument guidance system. 4,824,435, 4-25-89, Cl. 604-49.000.

Gietl, Hans. Screw, particularly wood screw. 4,808,051, 2-28-89, Cl. 411-378.000.

Gietman, Peter J., Jr., to Custom Machinery Design, Inc. Rotary bag making machine for drawstring bags. 4,889,522, 12-26-89, Cl. 493-193.000.

Gietz, Hampeter; and Roesli, Manfred, to Maschinenfabrik Gietz AG. Die stamping and punching tool. 4,852,382, 8-1-89, Cl. 72-406.000.

Gietzen, Staas; Werner, Hans; Hain, Klaus; Hofbauer, August; and Hawener, Juergen, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Starter arrangement for a helicopter. 4,875,643, 10-24-89, Cl. 244-53.00A.

Gietzen, Staas: *See—*
  Hain, Klaus; Beer, Michael; and Gietzen, Staas, 4,841,926, Cl. 123-146.50A.

Gieysztor, Andrzej: *See—*
  Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Ulinski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.

Giffard, Philip J., to Mineral Deposits Limited. Spiral separator. 4,795,553, 1-3-89, Cl. 209-459.000.

Giffin, Gregory C.: *See—*
  Chen, Frank J.; Emert, Jacob; Lundberg, Robert D.; and Giffin, Gregory C., 4,849,572, Cl. 585-525.000.

Giffin, Rollin G., III; and Lenahan, Dean T., to General Electric Company. Gas turbine engine. 4,809,498, 3-7-89, Cl. 60-39.162.

Giffin, Rollin G., III; Woltmann, Ivan E.; and McHugh, Donald P., to General Electric Company. Gas turbine engine with augmentor and variable area bypass injector. 4,817,378, 4-4-89, Cl. 60-261.000.

Giffone, Ralph A.: *See—*
  Galvin, Aaron A.; Mason, Douglas L.; Leff, Kenneth J.; Schide, John N.; and Giffone, Ralph A., 4,823,015, Cl. 250-564.000.
  Galvin, Aaron A.; Mason, Douglas L.; Leff, Kenneth J.; Schide, John N.; and Giffone, Ralph A., 4,827,247, Cl. 340-630.000.

Gifford, Charles R.; and Bigliardi, Achille M., to Sclavo, Inc. Two light source reference system for a fluorometer. 4,802,768, 2-7-89, Cl. 356-417.000.

Gifford, David K., to Massachusetts Institute of Technology. Information method and apparatus using simplex and duplex communications. 4,845,658, 7-4-89, Cl. 364-900.000.

Gifford, David K., to Massachusetts Institute of Technology. Parallel processing system with processor array having memory system included in system memory. 4,873,626, 10-10-89, Cl. 364-200.000.

Gifford, David R., to Honeywell Inc. Selective integrated circuit interconnection. 4,849,365, 7-18-89, Cl. 437-31.000.

Gifford, Koger B. Knee separation cushion. 4,889,109, 12-26-89, Cl. 128-80.00A.

Gifford, Peter E. Heat exchanger for cryogenic refrigerator. 4,848,092, 7-18-89, Cl. 62-6.000.

Gigabit Logic, Inc.: *See—*
  Hickling, Ronald M., 4,837,781, Cl. 375-81.000.

Giger, Charles. Tear-strip opening envelope apparatus. 4,819,807, 4-11-89, Cl. 206-610.000.

Giger, Rudolf K. A.: *See—*
  Richardson, Brian P.; Engel, Gunter; Giger, Rudolf K. A.; and Vasella, Andrea, 4,797,406, Cl. 514-299.000.
  Richardson, Brian P.; Giger, Rudolf K. A.; Engel, Gunter; and Furler, Roland, 4,826,838, Cl. 514-210.000.

Gigler, Gabor: *See—*
  Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.
  Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton, Szirt nee Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,798, Cl. 514-256.000.

Giglia, Salvatore: *See—*
  Bikson, Benjamin; and Giglia, Salvatore, 4,800,019, Cl. 210-321.800.
  Bikson, Benjamin; and Giglia, Salvatore, 4,877,421, Cl. 55-16.000.
  Coplan, Myron J.; and Giglia, Salvatore, 4,812,184, Cl. 156-84.000.

Giglia, Slavatore: *See—*
  Bikson, Benjamin; and Giglia, Slavatore, 4,881,955, Cl. 55-16.000.

Giglietti, Joseph N. Animal trap. 4,831,766, 5-23-89, Cl. 43-61.000.

Giglio, Felicino. Toilet. 4,852,191, 8-1-89, Cl. 4-228.000.

Giglio, Tony: *See—*
  Guignard, Claude; Giglio, Tony; and Benmiloud, Abdelkader, 4,821,708, Cl. 128-82.100.

Gigliotti, Giuseppe: *See—*
  Coussediere, Daniel; Gigliotti, Giuseppe; and Moguilewsky, Martine, 4,873,256, Cl. 514-391.000.

Gigliotti, Michael F. X., Jr.: *See—*
  Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,836,983, Cl. 420-418.000.
  Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,842,819, Cl. 420-418.000.
  Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,842,820, Cl. 420-418.000.
  Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., 4,857,268, Cl. 420-418.000.
  Shyh-Chin, Huang; and Gigliotti, Michael F. X., Jr., 4,842,817, Cl. 420-418.000.

Giha, Salvador N. Fuel pump lever holding member. 4,811,765, 3-14-89, Cl. 141-392.000.

Gijsman, Pieter: *See—*
  Peerlkamp, Erik R.; and Gijsman, Pieter, 4,876,301, Cl. 524-255.000.

Gijzen, Wilhelmus A. H.; Decoster, Michel H. F.; and Camerik, Eduard, to U.S. Philips Corporation. Disc-record player suitable for scanning disc of different types. 4,833,666, 5-23-89, Cl. 369-75.200.

Gil, Angelo: *See—*
  Hendricks, Lambert; Gil, Angelo; and LeClair, Robert J., 4,828,426, Cl. 404-93.000.

Gil, Asher, to Pi Electronics Corporation. Computerized integrated electronic mailing/addressing apparatus. 4,868,757, 9-19-89, Cl. 364-464.030.

Gil, Yoram. Swimmer's propulsion aid. 4,884,986, 12-5-89, Cl. 441-60.000.

Gila River Products, Inc.: *See—*
  Kleinschmidt, Eric W.; Kloss, Thomas M., Jr.; and Bell, William R., 4,861,648, Cl. 428-40.000.
  Kloss, Thomas M., Jr., 4,857,400, Cl. 428-334.000.
  Oliver, Dell B.; and Jahoda, Peter, 4,797,317, Cl. 428-204.000.

Gilak, Armin. Chromatographic column for immunological determining methods. 4,832,916, 5-23-89, Cl. 422-70.000.

Gilbarco, Inc.: *See—*
  Haynes, John S., 4,805,453, Cl. 73-292.000.
  Millikan, Joseph B., 4,799,940, Cl. 55-52.000.
  Myers, Howard M., 4,890,210, Cl. 363-21.000.

Gilbard, Jeffrey P.; and Dartt, Darlene A., to Eye Research Institute of Retina Foundation. Stimulation of tear secretion with melanocyte stimulating hormones. 4,868,154, 9-19-89, Cl. 514-13.000.

Gilbert, Charles G.: *See—*
  Lalezari, Farzin; Gilbert, Charles G.; and Rogers, John M., 4,843,403, Cl. 343-767.000.

Gilbert, Chuck: *See—*
  Guilbault, Roger E.; and Gilbert, Chuck, 4,866,872, Cl. 43-4.000.

Gilbert, Cynthia J.: *See—*
  Gilbert, Eugene; and Gilbert, Cynthia J., 4,852,921, Cl. 292-259.00R.

Gilbert, David A. Electric trolling motor steering system. 4,841,203, 6-20-89, Cl. 318-53.000.

Gilbert, Dean B.: *See—*

Alphonse, Gerard A.; and Gilbert, Dean B., 4,821,277, Cl. 372-45.000.

Gilbert, Dennis H., to Boeing Company, The. Echo cancellation system. 4,875,372, 10-24-89, Cl. 73-614.000.

Gilbert Engineering Company, Inc.: *See—*

Hayward, Robert D., 4,797,121, Cl. 439-579.000.

Gilbert, Eschard, to U.S. Philips Corp. Method of manufacturing a photomultiplier tube having a proximity multiplier element. 4,795,390, 1-3-89, Cl. 445-29.000.

Gilbert, Eugene; and Gilbert, Cynthia J. Door security device. 4,852,921, 8-1-89, Cl. 292-259.00R.

Gilbert, Eugene C., to B. F. Goodrich Company, The. Perforated elastomeric soft film and wound dressing made therewith. 4,867,150, 9-19-89, Cl. 128-155.000.

Gilbert, Everett A., to Da-Tel Research Company, Incorporated. Audio frequency interface for differential relays. 4,878,241, 10-31-89, Cl. 379-106.000.

Gilbert, Everett E., to United States of America, Army. Preparation of polyvinylazides from polyvinylnitrate. 4,839,420, 6-13-89, Cl. 525-61.000.

Gilbert, Everett E., to United States of America, Army. Polyvinylazidonitrate. 4,843,121, 6-27-89, Cl. 525-56.000.

Gilbert, Everett E., to United States of America, Army. Process for making azidodeoxycellulose. 4,849,514, 7-18-89, Cl. 536-36.000.

Gilbert, Gary, to W. L. Gore & Associates, Inc. Bagpipes and a bag therefor. 4,838,141, 6-13-89, Cl. 84-380.00B.

Gilbert, Gregory N., to Halliburton Logging Services Inc. Hydraulic circuit for use in wireline formation tester. 4,845,982, 7-11-89, Cl. 73-151.000.

Gilbert, Gregory N., to Halliburton Logging Services, Inc. Hydraulic system in formation test tools having a hydraulic pad pressure priority system and high speed extension of the setting pistons. 4,879,900, 11-14-89, Cl. 73-155.000.

Gilbert, Herbert A.: *See—*

Dorn, George K.; and Gilbert, Herbert A., 4,806,129, Cl. 44-56.000.

Gilbert, James R.: *See—*

Grimmer, Derrick P.; Paulson, Kenneth R.; and Gilbert, James R., 4,873,201, Cl. 437-51.000.

Gilbert, John A.: *See—*

Brassington, Nigel J.; and Gilbert, John A., 4,838,253, Cl. 128-156.000.

Gilbert, Leslie C.; and Rushlow, Leo M. J. Cigarette snuffer. 4,886,076, 12-12-89, Cl. 131-256.000.

Gilbert, Lloyd. Auxiliary traction system. 4,821,824, 4-18-89, Cl. 180-9.280.

Gilbert Manufacturing Co.: *See—*

Schick, Henry, 4,799,898, Cl. 439-418.000.

Gilbert, Mark W.: *See—*

Julstrom, Stephen D.; and Gilbert, Mark W., 4,811,019, Cl. 341-143.000.

Gilbert, Michael D.; Worthington, Dennis V.; and Marbley, Lonnie R. Inventory control board. 4,868,991, 9-26-89, Cl. 33-430.000.

Gilbert, Mike: *See—*

Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., 4,866,703, Cl. 370-60.000.

Gilbert, Richard; and Perron, Yvon, to Alcan International Limited. Dispersing particulate material in a stream of gas. 4,828,435, 5-9-89, Cl. 406-92.000.

Gilbert, Robert B., to Allied-Signal Inc. Very high speed marginally lubricated ball thrust bearing. 4,799,810, 1-24-89, Cl. 384-606.000.

Gilbert, Robert C.: *See—*

Revesz, Michael S.; Burkett, Harold G., Jr.; and Gilbert, Robert C., 4,888,709, Cl. 364-518.000.

Gilbert, Robert M., to Sherex Chemical Company, Inc. Dihydroxy or polyhydroxy compounds and process for producing same. 4,851,593, 7-25-89, Cl. 568-864.000.

Gilbert, Ronald C.; and Henvest, Robert R., to H. S. I. Products, Inc. Air cushion vehicle. 4,821,829, 4-18-89, Cl. 180-127.000.

Gilbert, Sandi: *See—*

Colozzi, Italo E.; and Gilbert, Sandi, 4,847,998, Cl. 30-114.000.

Gilbert, Seymour G., to Rutgers, The State University. Methods and apparatus for determining sorption isotherms. 4,869,093, 9-26-89, Cl. 73-23.100.

Gilbert, Seymour G.: *See—*

Orr, Avigdor; Spingler, John O.; and Gilbert, Seymour G., 4,855,153, Cl. 426-270.000.

Spingler, John O.; Orr, Avigdor; and Gilbert, Seymour G., 4,808,420, Cl. 426-106.000.

Gilbert, Sheldon: *See—*

Christophersen, James; Gilbert, Sheldon; and Sarkissian, Haig, 4,866,706, Cl. 370-85.700.

Gilbert, Sheri A.: *See—*

Sheth, Bhogilal B.; Gilbert, Sheri A.; and Kinsel, Jane F., 4,867,979, Cl. 424-195.100.

Gilbert, Wendell L.: *See—*

Rabe, William T.; and Gilbert, Wendell L., 4,872,393, Cl. 91-375.00A.

Gilberts, Alexander G.: *See—*

Rust, Wayne; and Gilberts, Alexander G., 4,876,621, Cl. 361-58.000.

Gilbey, Jonathon H.: *See—*

Tantram, Anthony D. S.; and Gilbey, Jonathon H., 4,829,809, Cl. 73-23.000.

Gilboa, Ronnie, to Electo-Galil Ltd. Electronic data communication system. 4,814,595, 3-21-89, Cl. 235-492.000.

Gilbreath-Frandsen, C.; and Wagner, James W., to United States of America, Navy. Method for holographic correction of beams of coherent light. 4,878,718, 11-7-89, Cl. 350-3.690.

Gilbreath, Gary A.: *See—*

Everett, Hobart R., Jr.; and Gilbreath, Gary A., 4,857,912, Cl. 340-825.300.

Gilbreth, Jimmy M.: *See—*

Sherk, Fred T.; and Gilbreth, Jimmy M., 4,807,672, Cl. 141-1.000.

Gilby, Anthony C.: *See—*

Ihnat, Dale E.; Gilby, Anthony C.; and Anderson, Richard A., 4,831,252, Cl. 250-227.000.

Gilchrist, R. Fowler. Restraining pipe joint. 4,878,698, 11-7-89, Cl. 285-342.000.

Gilchrist, Richard J.; and Gilchrist, Sarah J. Disposable ostomy bag liner. 4,816,027, 3-28-89, Cl. 604-339.000.

Gilchrist, Sarah J.: *See—*

Gilchrist, Richard J.; and Gilchrist, Sarah J., 4,816,027, Cl. 604-339.000.

Gildas, Omnes, to Compagnie Generale de Geophysique. Suspended structure for coupling seismic sources to the walls of a borehole. 4,817,755, 4-4-89, Cl. 181-106.000.

Gildea, David R.: *See—*

Edwards, Allen P.; and Gildea, David R., 4,843,351, Cl. 332-17.00

Gildehaus, Paul E. Garden window frame assembly. 4,827,682, 5-9-89, Cl. 52-201.000.

Gilden, Meyer; and Allen, Louis B., Jr., to United Technologies. System for transmitting microwave signals via an optical link. 4,868,8 9-19-89, Cl. 455-617.000.

Gilder, Thomas G., Jr.; and O'Dean, Raymond D., to GTE Products Corporation. Method of making a packaged IC chip. 4,820,65 4-11-89, Cl. 437-209.000.

Gilding, D. Keith; Reed, Andrew M.; Askill, Ian N.; and Brians, Stephen G., to Matrix Medica, Inc. Biocompatible microporous polymeric materials and methods of making same. 4,813,966, 3-21-89, Cl. 623-66.000.

Gilead, Gideon. Drip irrigation apparatus. 4,874,132, 10-17-89, Cl. 239-542.000.

Giles, Charles E.; and Clifton, Richard J., to C & R Pier Manufacturing. Mobile home anchor. 4,882,887, 11-28-89, Cl. 52-126.600.

Giles, Conley W.; Teare, Karen L.; and Wimmer, R. Peyton. Ornamental sunglasses retainer. 4,881,803, 11-21-89, Cl. 351-156.000.

Giles, Daniel N., to Boeing Company, The. Reversible thermal compensation joint. 4,854,765, 8-8-89, Cl. 403-30.000.

Giles, Daniel N.: *See—*

Foote, Eugene B.; and Giles, Daniel N., 4,834,569, Cl. 403-2.00

Ward, Stephen H.; Monahan, John T.; and Giles, Daniel N., 4,815,383, Cl. 102-293.000.

Giles, David: *See—*

Neh, Harribert; Buhmann, Ulrich; Joppien, Hartmut; and Giles, David, 4,837,220, Cl. 514-403.000.

Neh, Harribert; Buhmann, Ulrich; Wegner, Peter; Joppien, Hartmut; Giles, David; and Rowson, Graham P., 4,888,340, Cl. 514-403.000.

Giles, Durham K.; Delwiche, Michael J.; and Dodd, Roy B., to Clemson University. Method and apparatus for target plant foliage sensing and mapping and related materials application control. 4,823,26 4-18-89, Cl. 364-424.070.

Giles Enterprises, Inc.: *See—*

Giles, William O., Sr.; and McNeal, William T., 4,838,244, Cl. 126-391.000.

Giles, William O., Sr.; McNeal, William T.; and Giles, Ted W., 4,854,949, Cl. 55-126.000.

Giles, George A.: *See—*

Taylor, Ronald T.; Giles, George A.; and David, Doran, 4,862,01 Cl. 307-443.000.

Giles, George R.: *See—*

Ehrenhalt, Dan; and Giles, George R., 4,841,258, Cl. 332-9.00R.

Ehrenhalt, Dan; and Giles, George R., 4,847,517, Cl. 307-270.00

Ehrenhalt, Dan; and Giles, George R., 4,868,532, Cl. 336-82.00

Ehrenhalt, Dan; and Giles, George R., 4,868,533, Cl. 336-82.00

Giles, Harold F., Jr., to General Electric Company. Fiber reinforced stampable thermoplastic sheet. 4,873,133, 10-10-89, Cl. 428-107.00

Giles, Harold F., Jr.: *See—*

Kim, Bang M.; and Giles, Harold F., Jr., 4,859,524, Cl. 428-236.00

Giles, John E. Methods for sharpening points. 4,869,028, 9-26-89, Cl. 51-281.00R.

Giles, John E. Apparatus and methods for sharpening points. 4,879,84 11-14-89, Cl. 51-31.000.

Giles, Kenneth: *See—*

Weathers, Pamela; and Giles, Kenneth, 4,857,464, Cl. 435-240.23

Giles, Randy K.: *See—*

Lucas, Gordon H.; and Giles, Randy K., 4,840,003, Cl. 52-233.00

Lucas, Gordon H.; and Giles, Randy K., 4,871,003, Cl. 144-360.00

Giles, Ted W.: *See—*

Giles, William O., Sr.; McNeal, William T.; and Giles, Ted W., 4,854,949, Cl. 55-126.000.

Giles, Thomas E.: *See—*

Levinson, Frank H.; Lavelle, Steve; Giles, Thomas E.; Zacker, Joseph; and Campbell, Bruce D., 4,815,805, Cl. 350-96.160.

Giles, William O., Sr.; and McNeal, William T., to Giles Enterprises, Inc. Deep-fat frying apparatus. 4,838,244, 6-13-89, Cl. 126-391.00

Giles, William O., Sr.; McNeal, William T.; and Giles, Ted W., to Giles Enterprises, Inc. Apparatus for cooking food including a ventilation exhaust system. 4,854,949, 8-8-89, Cl. 55-126.000.

Gilfeather, Glen; and Peterson, Joe W., to Advanced Micro Devices, Inc. Protection system for CMOS integrated circuits. 4,819,047, 4-4-89, Cl. 357-23.130.

Gilfeather, Glen: *See—*

Hurst, Roger S.; and Gilfeather, Glen, 4,870,530, Cl. 361-91.000.

Gilgenbach, Hubert S.; and Steiner, Ronald M., to Brunswick Corporation. Marine propeller with optimized performance blade contour. 4,802,822, 2-7-89, Cl. 416-235.000.

Gilgenbach, Ronald M., to University of Michigan-Ann Arbor, The. Electron beam, ion beam, or neutral particle beam induced modification of or enhancement of combustion reactions. 4,885,065, 12-5-89, Cl. 204-157.600.

Gilgore, Wayne M., to Polychrome Corporation. Electrophotographic imaging process. 4,868,075, 9-19-89, Cl. 430-45.000.

Gilgrass, Graham, to Oxford Magnet Technology Limited. Tension bands and methods for their manufacture. 4,818,582, 4-4-89, Cl. 428-189.000.

Gilham, Dennis T.; and Herbert, Raymond J., to Alcatel Business Systems Ltd. Device for verifying if thermal printer is operating correctly. 4,813,802, 3-21-89, Cl. 400-74.000.

Gilhaus, Konrad F., to Spinnereimaschinenfabrik Seydel & Co. GmbH. Apparatus for splicing and entwining fiber slivers. 4,829,758, 5-16-89, Cl. 57-22.000.

Gilian Instrument Corp.: *See—*

Van Emden, Bernard; and Stobnicki, Roman, 4,860,592, Cl. 73-861.050.

Gilberg-LaForce, Gunilla E.; and Kravas, Helen A., to Hoechst Celanese Corp. Viscosity regulators for water-based spin finishes. 4,859,350, 8-22-89, Cl. 252-8.900.

Gilinson, Philip J., Jr.: *See—*

Byong-Ho, Ahn; Fulton, Donald E.; Gilinson, Philip J., Jr.; Whipple, David C.; and Curtiss, William P., 4,868,479, Cl. 318-721.000.

Gilissen, Hermanus P. J.; Teurlings, Lucas G. C.; and van Laarhoven, Antonius P. H. M., to AMP Incorporated. Printed circuit board connector. 4,828,503, 5-9-89, Cl. 439-62.000.

Gilissen, Hermanus P. J.: *See—*

Ashman, John J.; and Gilissen, Hermanus P. J., 4,807,955, Cl. 350-96.200.

Gilker, Clyde; Dunk, Michael P.; Dolnik, Thomas G.; Daharsh, Ross S.; and Berezinski, Mark A., to Tennessee Valley Public Power Association. Current measuring apparatus. 4,847,780, 7-11-89, Cl. 364-483.000.

Gilkerson, Terence; Jennens, David C.; and Coombs, Mandy E., to Shell Internationale Research Maatschappij B.V. Benzothiazinone derivatives. 4,833,137, 5-23-89, Cl. 514-224.200.

Gilkey, Charlotte E.; and Gilkey, Hazel E. Aquarium filter. 4,802,980, 2-7-89, Cl. 210-169.000.

Gilkey, Hazel E.: *See—*

Gilkey, Charlotte E.; and Gilkey, Hazel E., 4,802,980, Cl. 210-169.000.

Gilkison, Joseph M.: *See—*

Bevilacqua, Bruce W.; Cheng, Wenche W.; Stoner, Donald R.; Pement, Fredric W.; Burack, Robert D.; and Gilkison, Joseph M., 4,820,359, Cl. 148-127.000.

Gill, Bennie C., to Jet Research Center, Inc. Shaped charge assembly with retaining clip. 4,832,134, 5-23-89, Cl. 175-4.600.

Gill, Bennie C., to Jet Research Center, Inc. Well perforating gun and method. 4,844,170, 7-4-89, Cl. 166-297.000.

Gill, Beresford R.: *See—*

Bale, Christopher R.; Bryant, Raymond A.; Garrett, Stephen J.; Gill, Beresford R.; and Jennings, Trevor C., 4,832,057, Cl. 131-73.000.

Bryant, Raymond A.; Gill, Beresford R.; Garrett, Stephen J.; and Bale, Christopher R., 4,832,056, Cl. 131-58.000.

Chard, Brian C.; Bale, Christopher R.; Gill, Beresford R.; Herron, David; and Garrett, Stephen J., 4,848,374, Cl. 131-330.000.

Gill, Bernard W., to International Computers Limited. Video display apparatus. 4,870,407, 9-26-89, Cl. 340-800.000.

Gill, Daniel E., to Cummins Engine Company, Inc. Ceramic tipped pivot rod and method for its manufacture. 4,794,894, 1-3-89, Cl. 123-90.610.

Gill, Daniel E.; Suzuki, Shigeo; and Sakata, Yasuo, to Cummins Engine Company, Inc. Ceramic ball and socket joint. 4,806,040, 2-21-89, Cl. 403-24.000.

Gill, David C., to Nomix Manufacturing Co. Limited. Spraying equipment with rotatable cap for adjusting flowrate. 4,860,955, 8-29-89, Cl. 239-223.000.

Gill, David C., to Nomix Manufacturing Co., Ltd. Spraying equipment. 4,865,253, 9-12-89, Cl. 239-74.000.

Gill, David C., to Nomix Manufacturing Company Ltd. Calibration of fluid delivery equipment. 4,889,001, 12-26-89, Cl. 73-865.900.

Gill, Dee R.; and Marks, Rex B., to Hercules Incorporated. Manufacture of filamentary composites. 4,867,824, 9-19-89, Cl. 156-175.000.

Gill, Dee R.: *See—*

Alenskis, Brian A.; Geil, Gerald L.; Gill, Dee R.; and Moloney, Brian N., 4,867,834, Cl. 156-433.000.

Gill & Duffus Products, Inc.: *See—*

Austin, Thomas F.; Donadio, Frank L., Jr.; Rudolph, David F.; and Shaw, Robert W., Jr., 4,887,475, Cl. 73-866.000.

Gill, G. Herbert. Remote release saddle post clamp. 4,872,696, 10-10-89, Cl. 280-281.100.

Gill, George J.: *See—*

Droessler, Justin G.; and Gill, George J., 4,866,454, Cl. 343-725.000.

Gill, Gerald L., Jr. Counterbalanced polishing apparatus. 4,811,522, 3-14-89, Cl. 51-131.100.

Gill, Hardayal S.; and Simmons, Ralph F., Jr., to Hewlett-Packard Company. Shields of magnetoresistive transducers. 4,843,506, 6-27-89, Cl. 360-113.000.

Gill, Hardayal S.; Hesterman, Victor W.; Tarnopolsky, Giora J.; and Tran, Lung T., to Hewlett-Packard Company. Magneto-resistive sensor with opposing currents for reading perpendicularly recorded media. 4,878,140, 10-31-89, Cl. 360-113.000.

Gill, Hardayal S.: *See—*

Bhattacharyya, Manoj K.; Davidson, Robert J.; and Gill, Hardayal S., 4,881,143, Cl. 360-113.000.

Gill, Jasbir S.; and Varsanik, Richard G., to Calgon Corporation. Method of improving the flowability of agro-chemical slurries. 4,808,215, 2-28-89, Cl. 71-105.000.

Gill, Jasbir S., to Calgon Corporation. Method for controlling silica/-silicate deposition in aqueous systems using imines. 4,874,527, 10-17-89, Cl. 210-700.000.

Gill, Manzur: *See—*

D'Arrigo, Sebastiano; Imondi, Giuliano; Lin, Sung-Wei; and Gill, Manzur, 4,823,318, Cl. 365-189.000.

Gill, Michael C.: *See—*

Darley, Henry M.; Gill, Michael C.; Earl, Dale C.; Ngo, Dinh T.; Wang, Paul C.; Hipona, Maria B. L.; and Dodrill, Jim, 4,878,190, Cl. 364-752.000.

Gill, Peter L.: *See—*

Lamond, Lee T.; and Gill, Peter L., 4,835,524, Cl. 340-572.000.

Gill, Stephen P.; Watson, John D.; and Brink, Keith O., to MPI, Inc. Extended range, pulsed induction logging tool and method of use. 4,849,699, 7-18-89, Cl. 324-339.000.

Gill, William A.: *See—*

Westfall, Paul M.; Critchfield, Frank E.; and Gill, William A., 4,883,825, Cl. 521-112.000.

Gillan, Robert L.; and Kosanda, David E., to Rockwell International Corporation. Jack coaxial connector EMI shielding apparatus. 4,827,378, 5-2-89, Cl. 361-424.000.

Gillanders, Andrew M.: *See—*

Vu, Cung; Martin, Timothy J.; Gillanders, Andrew M.; and Sbaiti, Bassam, 4,877,829, Cl. 524-729.000.

Gillard, Clive H.; and Harradine, Vincent C., to Sony Corp. Motion vector reduction in television images. 4,862,259, 8-29-89, Cl. 358-105.000.

Gillard, Clive H., to Sony Corporation. Television standards converters. 4,862,266, 8-29-89, Cl. 358-140.000.

Gillard, Clive H.; and Dougall, David A., to Sony Corp. Motion compensated interpolation of digital television images. 4,862,267, 8-29-89, Cl. 358-140.000.

Gillard, Clive H., to Sony Corp. Motion vector selection in television images. 4,864,394, 9-5-89, Cl. 358-105.000.

Gillard, Clive H.: *See—*

Avis, Richard J. A.; Richards, John W.; and Gillard, Clive H., 4,864,398, Cl. 358-140.000.

Harradine, Vincent C.; Gillard, Clive H.; and Richards, John W., 4,862,260, Cl. 358-105.000.

Harradine, Vincent C.; and Gillard, Clive H., 4,864,393, Cl. 358-105.000.

Gillard, David F.: *See—*

Lau, Kenneth K.; and Gillard, David F., 4,830,271, Cl. 229-117.000.

Gillard, John; Rokach, Joshua; and Belanger, Patrice C., to Merck Frosst Canada, Inc. Leukotriene antagonists. 4,871,756, 10-3-89, Cl. 514-381.000.

Gillard, John W.: *See—*

Guindon, Yvan; Yoakim, Christiane; Gillard, John W.; and Girard, Yves, 4,808,608, Cl. 514-411.000.

Gillaspy, Kenton P.; and Kelly, David L., to Burke Company, The. Bracing for tilt-up wall panel. 4,872,634, 10-10-89, Cl. 248-354.300.

Gillberg, Carl E. Method and apparatus for testing oil seals and the like. 4,864,733, 9-12-89, Cl. 33-179.000.

Gillberg-LaForce, Gunilla E.; and Khanarian, Garo, to Hoechst Celanese Corporation. Organic-inorganic composites with enhanced nonlinear optical response. 4,828,758, 5-9-89, Cl. 252-582.000.

Gillberg-LaForce, Gunilla E.; Leslie, Thomas M.; Che, Tessie M.; and Borzo, Marie, to Hoechst Celanese Corporation. Nonlinear optically responsive inorganic-organic composite compositions. 4,885,113, 12-5-89, Cl. 252-582.000.

Gillberg-LaForce, Gunilla E.: *See—*

Letinski, John S.; and Gillberg-LaForce, Gunilla E., 4,810,730, Cl. 521-184.000.

Gillberg, Lars I.: *See—*

Mathiesen, Mait M.; Gillberg, Lars I.; Hellsten, Karl M. E.; and Karlsson, Gunvor B. T., 4,887,383, Cl. 44-51.000.

Gillbrand, Per S.; Johansson, Sven H.; and Nytomt, Jan G., to Saab-Scania Akt. Method and system for controlling spark ignition in internal combustion engine. 4,848,287, 7-18-89, Cl. 123-162.000.

Gille, Gunther; and Goertler, Horst, to SWF Auto-Electric GmbH. Wiper circuit system for motor vehicles. 4,885,512, 12-5-89, Cl. 318-444.000.

Gille, Wilfried: *See—*

Schultze, Hans-Jurgen; Faulbecker, Gerd; and Gille, Wilfried, 4,834,691, Cl. 464-131.000.

Gilleleje Pedersen, Kaj: *See—*

Hvilsted, Niels; Pedersen, Kaj; and Christensen, Finn D., 4,846,048, Cl. 92-5.00R.

Gillemans, Johannes C. M.: *See—*

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Gillenwater, Paul C.: *See—*
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Giller, Wojciech W.: *See—*
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Gillery, F. Howard, to PPG Industries, Inc. Bus bar arrangement for an electrically heated transparency. 4,820,902, 4-11-89, Cl. 219-203.000.
Gillery, F. Howard, to PPG Industries, Inc. Neutral sputtered films of metal alloy oxides. 4,834,857, 5-30-89, Cl. 204-192.270.
Gillery, Frank H., to PPG Industries, Inc. Sputtered films of bismuth/tin oxide. 4,806,221, 2-21-89, Cl. 204-192.290.
Gillery, Frank H., to PPG Industries, Inc. Low reflectance bronze coating. 4,847,158, 7-11-89, Cl. 428-433.000.
Gillery, Frank H., to PPG Industries, Inc. Sputtered titanium oxynitride films. 4,861,669, 8-29-89, Cl. 428-434.000.
Gilles, Daniel: *See—*
  Wijnendaele, Frans V.; Gilles, Daniel; and Simonet, Guy, 4,857,317, Cl. 424-89.000.
Gilles, Stephen R.; Bogard, William F.; and Moser, Robert E., to W. S. Tyler, Incorporated. Dewatering device with screen assembly having releasable fastening means. 4,863,597, 9-5-89, Cl. 210-232.000.
Gillespie, Barry E.: *See—*
  Goodall, George H.; and Gillespie, Barry E., 4,859,100, Cl. 252-626.000.
Gillespie, John E., to Aberdeen Oil Company. Fishing apparatus. 4,831,772, 5-23-89, Cl. 43-54.100.
Gillespie, John R., to Gillespie & Powers, Inc. Apparatus for generating a vortex in a melt. 4,884,786, 12-5-89, Cl. 266-235.000.
Gillespie, Larrian, to Angiogenics, Ltd. Method and composition for arresting angiogenesis and capillary, cell or membrane leakage. 4,820,693, 4-11-89, Cl. 514-25.000.
Gillespie & Powers, Inc.: *See—*
  Gillespie, John R., 4,884,786, Cl. 266-235.000.
Gillet, Claude: *See—*
  Bovy, Philippe R.; Gillet, Claude; Lenaers, Albert; Niebes, Paul; Roba, Joseph; and Lambelin, Georges, 4,853,401, Cl. 514-389.000.
Gillet, Francois: *See—*
  Delbe, Emmanuel; Gillet, Francois; Serot, Etienne; Chifflet, Raymond; Allio, Roland; Jeantin, Philippe; Del Fabro, Gilbert; and Forella, Guy, 4,877,229, Cl. 271-2.000.
Gillet, Guy, to Automobiles Peugeot; and Automobiles Citroen. Device for fixing an element on an outer surface of a support wall of a hollow body. 4,861,182, 8-29-89, Cl. 403-264.000.
Gillet, Guy: *See—*
  Chappoux, Claude; Rouesnel, Bernard; and Gillet, Guy, 4,840,264, Cl. 194-212.000.
Gillet, Jean-Luc, to Hohe KG. Outside rear-view mirror having a mechanically adjustable mirror glass. 4,889,308, 12-26-89, Cl. 248-485.000.
Gillet, Xavier, executor: *See—*
  Meunier, Jean-Paul, deceased; Matzen, Guy; Blanc, Denise; and Montarone, Maryse, 4,867,779, Cl. 71-62.000.
  Meunier, Jean-Paul, deceased, 4,879,172, Cl. 428-280.000.
Gillett, Jimmie D., to Ranco Incorporated. Temperature sensing circuit. 4,800,292, 1-24-89, Cl. 307-117.000.
Gillett, John B.; and Spreen, James H., to International Business Machines Corporation. D. C. to D. C. converter. 4,803,609, 2-7-89, Cl. 363-17.000.
Gillett, John B.; and Spreen, James H., to International Business Machines Corporation. Pluggable power system having magnetic flux coupled power transformer and inductive filter components. 4,868,732, 9-19-89, Cl. 363-90.000.
Gillett, John B.; Lohrey, Fred H.; and Lorenzen, Jerry A., to International Business Machines Corporation. Parallel cable bus with internal path length compensation. 4,879,433, 11-7-89, Cl. 174-32.000.
Gillett, Richard B., Jr.; and Williams, Douglas D., to Digital Equipment Corporation. Method and apparatus for managing multiple lock indicators in a multiprocessor computer system. 4,858,116, 8-15-89, Cl. 364-200.000.
Gillett, Richard B., Jr.: *See—*
  Donaldson, Darrel D.; Gillett, Richard B., Jr.; and Williams, Douglas D., 4,829,515, Cl. 370-85.000.
  Donaldson, Darrel D.; and Gillett, Richard B., Jr., 4,837,736, Cl. 364-900.000.
Gillette Canada Inc.: *See—*
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Gillette Company, The: *See—*
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  Atwater, Robert M., 4,807,401, Cl. 51-285.000.
  Baydar, Ahmet E., 4,857,310, Cl. 424-70.000.
  Brooks, Lamar E.; and Liu, Sue R., 4,833,117, Cl. 503-201.000.
  Cerier, Jeffrey C.; Trotta, Robert A.; and Shurtleff, Jill M., 4,807,360, Cl. 30-49.000.
  Cerier, Jeffrey C., 4,831,730, Cl. 30-47.000.
  Foster, David N., 4,826,016, Cl. 206-602.000.
  Francis, John F., 4,868,983, Cl. 30-50.000.
  Gruner, George P., 4,813,131, Cl. 30-50.000.
  Packham, Charles C.; White, Robert; and Rogers, Steven, 4,797,997, Cl. 30-43.920.
  Trotta, Robert A.; and Cerier, Jeffrey C., 4,875,288, Cl. 30-49.000.
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Gillette, Dennis R.: *See—*
  Dorner, Wolfgang C.; and Gillette, Dennis R., 4,865,515, Cl. 414-788.200.
Gillette, Paul C., to Hercules Incorporated. Crosslinking of vinyl silane and azidosilane modified thermoplastic polymers by moisture. 4,812,519, 3-14-89, Cl. 525-106.000.
Gillette, Paul C., to Hercules Incorporated. Method and composition for storage of plant material. 4,820,519, 4-11-89, Cl. 424-412.000.
Gillham, Frederick J.; and Stowe, David W., to Aster Corporation. Electro-optical converter including ridgid support for optical fiber coupler, telephone set using the coupler and method of making same. 4,844,573, 7-4-89, Cl. 350-96.150.
Gilli, Norma L., to Telectronics N.V. Apparatus and method for controlling pulse energy in antitachyarrhythmia and bradycardia pacing device. 4,869,252, 9-26-89, Cl. 128-419.0PG.
Gilliard, Brian A.: *See—*
  Brown, David L.; Crandall, James A.; and Gilliard, Brian A., 4,866,883, Cl. 49-502.000.
Gilliard, Richard P.; Cap, Daniel M.; and Russell, Timothy D., to General Electric Company. Metal halide lamp containing halide composition to control arc tube performance. 4,798,995, 1-17-89, Cl. 313-638.000.
Gillich, Thomas N., to Hoechst Celanese Corporation. Cleaner for lithographic printing plates. 4,886,553, 12-12-89, Cl. 134-42.000.
Gillich, Thomas N.: *See—*
  Mappin, Carlton D.; and Gillich, Thomas N., 4,796,042, Cl. 354-324.000.
Gillick, James G.; and Waddell, Walter H., to Goodyear Tire & Rubber Company, The. Process for the surface treatment of unsaturated rubber by photochemical modification with alkyl halides. 4,824,692, 4-25-89, Cl. 427-53.100.
Gillick, Laurence; Bamberg, Paul G.; Baker, James K.; and Roth, Robert S., to Dragon Systems, Inc. Method for creating and using multiple-word sound models in speech recognition. 4,837,831, 6-6-89, Cl. 381-43.000.
Gillick, Laurence: *See—*
  Baker, James K.; and Gillick, Laurence, 4,805,219, Cl. 381-43.000.
  Bamberg, Paul G.; Baker, James K.; Gillick, Laurence; and Roth, Robert S., 4,805,218, Cl. 381-43.000.
Gillies, Andrew M., to Environmental Research Institute of Michigan. Machine learning procedures for generating image domain feature detector structuring elements. 4,821,333, 4-11-89, Cl. 382-49.000.
Gillies, David, to Deutsche ITT Industries GmbH. Control circuit for a memory array. 4,831,442, 5-16-89, Cl. 358-140.000.
Gillies, David, to Deutsche ITT Industries GmbH. Data compander for digital video signals. 4,841,357, 6-20-89, Cl. 358-17.000.
Gillies, David, to Deutsche ITT Industries GmbH. Demultiplexing circuit for a multiplex signal. 4,862,455, 8-29-89, Cl. 370-112.000.
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Gilligan, Lawrence H.; and Gerdt, David W., to Sperry Marine Inc. Automatic brightness control for image intensifiers. 4,882,481, 11-21-89, Cl. 250-213.0VT.
Gilligan, Lawrence H.: *See—*
  Riggs, Robert F.; Gilligan, Lawrence H.; and Halsey, James D., 4,822,991, Cl. 250-211.00J.
Gilligan, Paul J.; McGuirk, Paul R.; and Witty, Michael J., to Pfizer Inc. Process for the preparation of 3-(2'-fluorophenyl)pyridine. 4,797,490, 1-10-89, Cl. 546-290.000.
Gilligan, Thomas: *See—*
  English, George J.; Rothwell, Harold J., Jr.; and Gilligan, Thomas, 4,823,050, Cl. 313-634.000.
  English, George J.; Rothwell, Harold L., Jr.; and Gilligan, Thomas, 4,864,180, Cl. 313-44.000.
Gilligan, William H.: *See—*
  Sitzman, Michael E.; and Gilligan, William H., 4,849,540, Cl. 560-156.000.
  Sitzmann, Michael E.; and Gilligan, William H., 4,831,186, Cl. 560-148.000.
Gilliksen, Byron. Education or learning aid method. 4,812,126, 3-14-89, Cl. 434-238.000.
Gilliland, B. David, III; Beard, John R.; and Hochstein, Peter A., to DRD, Ltd. Optic fiber shutter apparatus. 4,880,293, 11-14-89, Cl. 350-269.000.
Gilliland, John W., to Corning Glass Works. Forming optical fiber having abrupt index change. 4,810,276, 3-7-89, Cl. 65-3.120.
Gilliland, Malcolm T. Arc welder with improved arc striking capability. 4,870,248, 9-26-89, Cl. 219-130.400.
Gilliland, Malcolm T. Apparatus for linearizing the output of an amplifier without using feedback. 4,887,046, 12-12-89, Cl. 330-252.000.
Gilliland, Terry, to Four Seasons Solar Products Corp. Interlocking joint for a lean-to structure, or the like and related method. 4,823,519, 4-25-89, Cl. 52-93.000.
Gilliland, Terry L., to Four Seasons Solar Products Corporation. Modular lean-to post and beam structure. 4,815,242, 3-28-89, Cl. 52-90.000.
Gillingham, Gary D.; and Milius, Craig G., to Sundstrand Corporation. Mechanical transmission locking mechanism. 4,827,787, 5-9-89, Cl. 74-411.500.
Gillingham, Gary R.; and Tokar, Joseph C., to Donaldson Company Inc. End seal for clean room ceiling supports. 4,819,549, 4-11-89, Cl. 98-1.000.
Gillingham, Gary R.: *See—*
  Misgen, Kenneth G.; Gillingham, Gary R.; Rocklitz, Gary J.; and Durre, Reynold F., 4,834,885, Cl. 210-440.000.

Gillingham, Larry A.; and Best, Thomas S. Sticker positioning apparatus for use with lumber stacker. 4,810,152, 3-7-89, Cl. 414-789.500.
Gillingham, Peter; and Erkku, Jan H., to Mitel Corporation. Analog phase locked loop. 4,803,705, 2-7-89, Cl. 375-120.000.
Gillings, Anthony R. Magnet structure. 4,857,873, 8-15-89, Cl. 335-285.000.
Gillio, Claudio: *See—*
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Gillis, Donald B.: *See—*
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  Slanker, Douglas G.; and Gillis, Edward, 4,850,296, Cl. 114-343.000.
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Gillis, Herbert R., Jr., to ICI Americas Inc. Polyureas prepared from a mixture of polyamines and polyisocyanate. 4,798,862, 1-17-89, Cl. 524-783.000.
Gillis, Herbert R., Jr., to ICI Americas Inc. Isocyanate compositions obtained from reaction of isocyanates with blocked polamines. 4,816,600, 3-28-89, Cl. 560-335.000.
Gillis, Michael H.; and Field, Michael D., to Communications Systems, Inc., a part interest. Multiple dwelling interface box. 4,850,014, 7-18-89, Cl. 379-399.000.
Gillis, Robert E. Foldable polyhedral structure. 4,809,726, 3-7-89, Cl. 135-109.000.
Gillispie, John G.; and Mitchell, Donald J., to Eagle Manufacturing Company. Thermoplastic container, having an integral nozzle, for a flammable liquid. 4,856,664, 8-15-89, Cl. 215-31.000.
Gilliusson, Rolf, to Swed Steam AB. Energy co-generation system. 4,873,840, 10-17-89, Cl. 62-238.600.
Gillner, Manfred, to Saint-Gobain Vitrage. Process and apparatus for producing laminated glass. 4,816,096, 3-28-89, Cl. 156-106.000.
Gillooly, George R.: *See—*
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Gillotte, Mark P., to National Service Industries. Hanging compartment support system. 4,805,787, 2-21-89, Cl. 211-191.000.
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Gillum, J. T., Sr. Wheelchair width reducing attachment. 4,802,683, 2-7-89, Cl. 280-304.100.
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Gilman, Byron L.: *See—*
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  Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,827,940, Cl. 128-642.000.
  Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,876,109, Cl. 427-2.000.
Gilman, Llewellyn A., Jr., to Old Town Canoe Company. Rotational molding method. 4,836,963, 6-6-89, Cl. 264-45.700.
Gilman, Paul S.: *See—*
  Osborn, Donald H.; Gilman, Paul S.; and Donachie, Stephen J., 4,801,339, Cl. 148-11.50A.
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Gilman, Steven C.; and Skotnicki, Jerauld S., to American Home Products Corporation. 10-Substituted benzo[b][1,6]naphthyridines as inhibitors of interleukin 1. 4,816,464, 3-28-89, Cl. 514-299.000.
Gilman, Steven C.: *See—*
  Skotnicki, Jerauld S.; and Gilman, Steven C., 4,808,612, Cl. 514-290.000.
  Skotnicki, Jerauld S.; and Gilman, Steven C., 4,851,536, Cl. 546-106.000.
Gilman, Thomas, to Kencall Company, The. Wound dressing with release sheets strip. 4,832,008, 5-23-89, Cl. 128-155.000.
Gilmer, Thomas C.; and Chang, David C. K., to Du Pont de Nemours, E. I., and Company. Amino methyl propanol blocked aromatic sulfonic acid. 4,812,506, 3-14-89, Cl. 524-512.000.
Gilmore, Charles B.; Kisak, James L.; Oberst, Jeffrey P.; Wood, John D.; and Baloh, Frank J., to Westinghouse Electric Corp. Nuclear reactor core component shipping container. 4,803,042, 2-7-89, Cl. 376-272.000.
Gilmore, Danny R.: *See—*
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Gilmore, Dennis W.: *See—*
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Gilmore, Edward V. Stackable plate arrangement for microwave dishes. 4,847,461, 7-11-89, Cl. 219-10.55E.
Gilmore, James E. Window cleaning support structure. 4,817,758, 4-4-89, Cl. 182-16.000.
Gilmore, James R., to Extrude Hone Corporation. Quick change tool assembly for ultrasonic machine tool. 4,870,743, 10-3-89, Cl. 29-568.000.
Gilmore, Kevin J.; Marrinson, Andrew H.; and Jahnke, William A., to CIC Systems, Inc. Pre-paid commodity system. 4,795,892, 1-3-89, Cl. 235-381.000.
Gilmore, Larry J.; and Makin, John W. Rotary air separator. 4,824,559, 4-25-89, Cl. 209-23.000.
Gilmore, Larry J. Debris separator system. 4,865,720, 9-12-89, Cl. 209-12.000.
Gilmore, Paul R.: *See—*
  Dege, Howard C.; and Gilmore, Paul R., 4,889,372, Cl. 292-218.000.
Gilmore, Robert S.: *See—*
  Thomas, Lewis J., III; Gilmore, Robert S.; and Glascock, Homer H., II, 4,825,117, Cl. 310-346.000.
Gilmore, Thomas F.: *See—*
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Gilmour, Borden T. N.: *See—*
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Gilmour, George A., to Westinghouse Electric Corp. Side-looking sonar apparatus. 4,802,148, 1-31-89, Cl. 367-88.000.
Gilmour, Joseph T. O.; Langset, Glen M.; and Gilmour, Borden T. N., to Gilmour, Borden T. N. Apparatus for turning a vehicle on its side. 4,813,843, 3-21-89, Cl. 414-678.000.
Gilomen, Esther. Washable diaper panties. 4,850,987, 7-25-89, Cl. 604-385.100.
Gilpatrick, Michael W., to Milliken Research Corporation. Radio-opaque marker and method. 4,813,062, 3-14-89, Cl. 378-162.000.
Gilreath, Donald R.: *See—*
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Gilson, Greyson, to Submicron Structures, Inc. Method and apparatus for generating high-resolution images. 4,835,088, 5-30-89, Cl. 430-323.000.
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Gilson, Richard W.: *See—*
  Moran, John P.; Gilson, Richard W.; and Heubel, Thomas W., 4,874,385, Cl. 604-208.000.
Gilstad, Dennis W.; Branstetter, Ronald L.; and Hill, Ralph H., Jr., to Karl Storz Endoscopy GmbH and Company. Photocharacterization and treatment of normal abnormal and ectopic endometrium. 4,852,579, 8-1-89, Cl. 128-665.000.
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  Jaeb, Jonathan P.; Gilstad, Dennis W.; and Branstetter, Ronald L., 4,880,304, Cl. 356-41.000.
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Gimblett, Christopher F., to Drallim Industries Limited. Transducer interfaces. 4,831,380, 5-16-89, Cl. 341-166.000.
Gimenez, Philippe: *See—*
  Lefebvre, Jacques; Gimenez, Philippe; Colombier, Gabriel; Golay, Armand; and Safrany, Jean S., 4,808,276, Cl. 204-28.000.
Gimeno, Rene: *See—*
  Huc, Alain; and Gimeno, Rene, 4,814,120, Cl. 264-28.000.
Gimesi, Antal: *See—*
  Matolcsy, Gyorgy; Bordas, Barna; Gimesi, Antal; Kovacs, Magdolna; and Tuske, Marton, 4,843,177, Cl. 564-209.000.
Gimewski, James K.: *See—*
  Duerig, Urs T.; Gimewski, James K.; Greschner, Johann; Pohl, Wolfgang D.; and Wolter, Olaf, 4,806,755, Cl. 250-306.000.
Gimmler, Helmut, to Daimler-Benz Aktiengesellschaft. Sinusoidal signal frequency measuring device. 4,881,174, 11-14-89, Cl. 364-484.000.
Gimpel, Steven D.: *See—*
  Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.300.
Gimpelson, Alexander: *See—*
  Giammarco, Nicholas J.; Gimpelson, Alexander; Kaplita, George A.; Lopata, Alexander D.; Scaduto, Anthony F.; and Shepard, Joseph F., 4,871,630, Cl. 430-14.000.

Gimple, James J., to DeVilbiss Company, The. Spray gun for robot mounting. 4,798,341, 1-17-89, Cl. 239-694.000.

Gimson, Christopher J., to Mestra A.G. Capacitive sensor and circuit for detecting contamination of guard electrode. 4,887,023, 12-12-89, Cl. 324-61.00R.

Gimzewski, James K.: *See—*
- Duerig, Urs T.; Gimzewski, James K.; and Pohl, Wolfgang D., 4,831,614, Cl. 369-101.000.
- Pohl, Wolfgang D.; Gimzewski, James K.; and Muralt, Paul R., 4,853,810, Cl. 360-103.000.

Gin, Jerry B.: *See—*
- Ingalz, Thomas J.; Gin, Jerry B.; and Wong, Vernon G., 4,886,066, Cl. 128-645.000.

Gindraux, Gilbert: *See—*
- Sarin, Vinod K.; Hintermann, Hans E.; and Gindraux, Gilbert, 4,844,951, Cl. 427-255.000.

Gindre, Andre V.: *See—*
- Harvey, John D.; and Gindre, Andre V., 4,804,693, Cl. 523-219.000.
- Harvey, John D.; and Gindre, Andre V., 4,882,219, Cl. 428-220.000.

Gindrod, Paul E.; Griesbach, Ray H.; and Hustad, Gerald O., to Oscar Mayer Foods Corporation. Spring ring easy-open positive-reclose hermetic food package. 4,850,504, 7-25-89, Cl. 220-307.000.

Ginell, William S., to United States of America, Energy. Helix coupling. 4,824,276, 4-25-89, Cl. 403-213.000.

Giner, Inc.: *See—*
- LaConti, Anthony B.; and Griffith, Arthur E., 4,820,386, Cl. 204-1.00T.

Gingello, Anthony D.; and Rocha, Hermano P., to Eastman Kodak Company. Photographic emulsion and element. 4,808,516, 2-28-89, Cl. 430-591.000.

Gingello, Anthony D.: *See—*
- Parton, Richard L.; Gingello, Anthony D.; Collett, David J.; Stegman, David A.; and Adin, Anthony, 4,871,656, Cl. 430-522.000.
- Proehl, Gary S.; Gingello, Anthony D.; Collett, David J.; Parton, Richard L.; Stegman, David A.; and Adin, Anthony, 4,876,181, Cl. 430-522.000.

Gingeras, Thomas R.: *See—*
- Stroman, David W.; Brust, Paul F.; Ellis, Steven B.; Gingeras, Thomas R.; Harpold, Michael M.; and Tschopp, Juerg F., 4,808,537, Cl. 435-6.000.
- Stroman, David W.; Brust, Paul F.; Ellis, Steven B.; Gingeras, Thomas R.; Harpold, Michael M.; and Tschopp, Juerg F., 4,855,231, Cl. 435-68.000.

Gingerich, David J.; Rose, William H.; Rupnik, David W.; and Shaffer, David T., to AMP Incorporated. Sinuous spring. 4,805,885, 2-21-89, Cl. 267-165.000.

Gingerich, Richard G. W.; Arbie, John A.; and Jackson, Douglas M., to GTE Products Corporation. Method of making alkaline earth halophosphate phosphor. 4,826,622, 5-2-89, Cl. 252-301.60P.

Gingerich, Richard G. W.: *See—*
- Reilly, Kenneth T.; and Gingerich, Richard G. W., 4,859,361, Cl. 252-301.60S.

Gingrande, Arthur, to Freedman, Gertrude. Easy-open kennel door. 4,833,828, 5-30-89, Cl. 49-386.000.

Gingrich, Bryan R.: *See—*
- Wilson, Harold R.; Haworth, Richard G.; and Gingrich, Bryan R., 4,841,699, Cl. 52-221.000.
- Wilson, Harold R.; Lim, Hoei B.; Gingrich, Bryan R.; and Kitchen, Michael R., 4,862,659, Cl. 52-221.000.

Gingrich, Marlin K.: *See—*
- Weaver, Robert C., 4,801,171, Cl. 296-100.000.
- Weaver, Robert C., 4,858,984, Cl. 296-100.000.

Gini, Claudio; and Vanetti, Guiseppe, to Officina Meccanica G. Prandi & C.S.p.a. Head for the circular coextrusion of a plurality of thermoplastic material layers. 4,832,589, 5-23-89, Cl. 425-133.100.

Ginkel, Peter. Software protection and identification system. 4,858,036, 8-15-89, Cl. 360-60.000.

Ginkel, Scott T.; and Falaas, Dennis O., to Minnesota Mining and Manufacturing Company. Graphic composite with thermally detackifiable adhesive premask tape. 4,857,372, 8-15-89, Cl. 428-42.000.

Ginley, David S.: *See—*
- Butler, Michael A.; and Ginley, David S., 4,841,778, Cl. 73-800.000.
- Drummond, Timothy J.; Ginley, David S.; and Zipperian, Thomas E., 4,829,020, Cl. 437-81.000.

Ginn, Albert R., Jr.; and Widrick, Lynn, to Metal Building Components Incorporated. Hemming die fixture for metal presses. 4,805,438, 2-21-89, Cl. 72-384.000.

Ginn, Jerry W.: *See—*
- Buttram, Malcolm T.; and Ginn, Jerry W., 4,888,556, Cl. 328-233.000.

Ginn, LeRoy D.; Ginn, LeRoyce S.; and Schneider, Karen B., to Ginn, LeRoy D.; and Ginn, LeRoyce S. Variable gas volume flow measuring and control methods and apparatus. 4,796,651, 1-10-89, Cl. 137-8.000.

Ginn, LeRoyce S.: *See—*
- Ginn, LeRoy D.; Ginn, LeRoyce S.; and Schneider, Karen B., 4,796,651, Cl. 137-8.000.

Ginn, Peter L., to Dow Chemical Company, The. Multi-unit communicating system. 4,802,115, 1-31-89, Cl. 364-900.000.

Ginnaga, Akihiro; Nishihara, Tsukasa; Kawahara, Tetsuo; Susumi, Sadao; Mizokami, Hiroshi; and Sakoh, Mitsuo, to Juridical Foundation The Chemo-Sero-Therapeutic Research Institute. Method for the purification of LPF-HA. 4,885,359, 12-5-89, Cl. 530-396.000.

Ginnis, Andrew F.; and Larkin, Wesley F., to United Technologies Corporation. Transient holographic indication analysis. 4,807,9 2-28-89, Cl. 356-347.000.

Ginnow-Markert, Harmut: *See—*
- Lamboy, Peter; Steigerwald, Franz; Zulauf, Karlheinz; and Ginnow-Markert, Harmut, 4,877,065, Cl. 141-18.000.

Ginns, Haskell, to Indikon Company, Inc., The. Eddy current proximity system. 4,875,007, 10-17-89, Cl. 324-207.000.

Gino, Takao: *See—*
- Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.

Ginovsky, Elizabeth F.; and Richenberg, Colleen J. Parlor game. 4,813,683, 3-21-89, Cl. 273-317.000.

Ginsberg, Mark H.; and Plow, Edward F., to Scripps Clinic and Research Foundation. Detection of activated platelets with antibodies to thrombospondin. 4,820,505, 4-11-89, Cl. 424-9.000.

Ginsberg, Richard S.: *See—*
- Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.

Ginsburg, Arthur P.; Evans, David W.; and Blauvelt, Kenneth, to Vistech Consultants, Inc. Apparatus and method for testing visual sensitivity to glare. 4,800,404, 1-24-89, Cl. 351-243.000.

Ginsburg, Arthur P.: *See—*
- McFarland, Diana R.; Ginsburg, Robert P.; and Ginsburg, Arthur P., 4,859,052, Cl. 351-239.000.

Ginsburg, Jayme P., executor: *See—*
- Pepper, Robert B., deceased; and Ginsburg, Jayme P., executor, 4,869,287, Cl. 137-391.000.

Ginsburg, Robert. Device and method for emboli retrieval. 4,873,97 10-17-89, Cl. 128-345.000.

Ginsburg, Robert P.: *See—*
- McFarland, Diana R.; Ginsburg, Robert P.; and Ginsburg, Arthur P., 4,859,052, Cl. 351-239.000.

Ginter, David J., to Armstrong Rubber Company, The. Apparatus for forming endless tire reinforcing belts. 4,874,455, 10-17-89, Cl. 156-397.000.

Ginter, David M.: *See—*
- Herliczek, Siegfried H.; and Ginter, David M., 4,823,511, Cl. 49-404.000.

Ginter, Douglas R.: *See—*
- Fan, Albert K.; Ginter, Douglas R.; Lenox, Joseph J.; and Henson, Thomas L., 4,840,747, Cl. 252-301.40R.

Ginter, Sally P.: *See—*
- Pawloski, Chester E.; and Ginter, Sally P., 4,864,049, Cl. 558-188.000.

Ginther, Edward R.: *See—*
- Calcaterra, Ronald C.; Ginther, Edward R.; and Heiler, Cornelius T., 4,864,687, Cl. 16-237.000.

Ginther, George E., Sr.: *See—*
- Johnson, A. David, Jr.; Ginther, George E., Sr.; and Bachman, Joseph L., 4,829,747, Cl. 53-457.000.

Ginther, Joseph G., Jr., to International Business Machines Corp. Electromagnetic emission shield for cathode ray tube display. 4,853,791, 8-1-89, Cl. 358-247.000.

Ginzburg, Vladimir B., to United Engineering, Inc. Assembled flexible edge roll. 4,813,258, 3-21-89, Cl. 72-241.000.

Gioffre, Anthony J.; and Marcus, Bonita K., to Union Carbide Corporation. Process for eliminating organic odors and compositions for use therein. 4,795,482, 1-3-89, Cl. 55-75.000.

Gioffre, Anthony J.; and Ross, Ronald J., to UOP. Effervescent dentifrice. 4,818,518, 4-4-89, Cl. 424-44.000.

Gioffre, Anthony J.; and Marcus, Bonita K., to UOP. Anticariogenic and anticalculus compositions containing zeolitic zinc cations. 4,826,676, 5-2-89, Cl. 424-52.000.

Gioffre, Anthony J.; and Marcus, Bonita K., to UOP. Process for deodorizing marine oils. 4,855,154, 8-8-89, Cl. 426-417.000.

Gioffre, Anthony J.: *See—*
- Marcus, Bonita K.; and Gioffre, Anthony J., 4,826,497, Cl. 604-359.000.

Gioia, Samuel C., to NCR Corporation. Method of making asymmetrically optimized CMOS field effect transistors. 4,874,713, 10-17-89, Cl. 437-34.000.

Gioitta, Jeffrey M.: *See—*
- Ball, Douglas C.; Sherbourne, George E.; and Gioitta, Jeffrey M., 4,863,124, Cl. 108-28.000.

Giolitti, Alessandro: *See—*
- Pestellini, Vittorio; Ghelardoni, Mario; Giannotti, Danilo; Giolitti, Alessandro; Barzanti, Adriano; Ciappi, Rossella; and Ortolani, Carlo, 4,800,208, Cl. 514-397.000.

Giolma, William H.: *See—*
- Blankenship, Gene E.; Gonsalves, Edward M.; Kawate, Keith W.; Sacarisen, Stephen P.; Giolma, William H.; and Spanjol, Dan A., 4,827,242, Cl. 340-450.000.
- Haight, Michael H.; and Giolma, William H., 4,799,030, Cl. 331-117.00R.
- Morgan, John D.; Giolma, William H.; and Boucher, Richard, 4,798,973, Cl. 307-296.00R.

Giometti, Carol S.: *See—*
- Zhang, Jian-Shi; Giometti, Carol S.; and Tollaksen, Sandra L., 4,824,547, Cl. 204-299.00R.

Giometti, Stephen M.; and Shay, Timothy W., to Emhart Industries, Inc. Container inspection apparatus. 4,837,707, 6-6-89, Cl. 364-552.000.

Gionet, Daniel C.: *See—*
- Morrow, Richard A.; Gionet, Daniel C.; Wikkerink, Lance; and Nquyen, Harry V., 4,866,881, Cl. 49-25.000.

Gionet, Edmond R., to General Motors Corporation. Apparatus and method of a power spring counterbalance for tape drive window regulators. 4,839,990, 6-20-89, Cl. 49-352.000.

Gionfriddo, Thomas S.: *See—*
- Krueger, Myron W.; Hinrichsen, Katrin; and Gionfriddo, Thomas S., 4,843,568, Cl. 364-518.000.

Giordani, Antonio; and Vecchietti, Vittorio, to Dr. Lo. Zambeletti S.p.A. Novel piperidine derivatives. 4,879,300, 11-7-89, Cl. 514-317.000.

Giordani, Antonio: *See—*
- Vecchietti, Vittorio; Signorini, Massimo; and Giordani, Antonio, 4,801,585, Cl. 514-210.000.
- Vecchietti, Vittorio; Signorini, Massimo; and Giordani, Antonio, 4,826,819, Cl. 514-212.000.

Giordani, Attilio G.: *See—*
- Sargeant, Jack W.; Raleigh, William F.; and Giordani, Attilio G., 4,813,396, Cl. 126-391.000.

Giordanino, Piero, to Rele' Finder S.p.A. Electromagnetic relay with light signaling device. 4,811,157, 3-7-89, Cl. 361-142.000.

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, to Zambon S.p.A. Process for the preparation of optically active alpha-acrylalkanoic acids and novel intermediates thereof. 4,810,819, 3-7-89, Cl. 562-56.000.

Giordano, Claudio; and Castaldi, Graziano, to Zambon S.p.A. Intermediates and their use in the synthesis of organic compounds. 4,845,243, 7-4-89, Cl. 549-296.000.

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, to Zambon S.p.A. Optically active ketals, processes for their preparation and their use in the synthesis of alpha-arylalkanoic acids. 4,855,464, 8-8-89, Cl. 549-450.000.

Giordano, Claudio; and Castaldi, Graziano, to Zambon S.p.A. Intermediates for preparing optically active carboxylic acids. 4,861,903, 8-29-89, Cl. 549-434.000.

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, to Zambon, S.p.A. Process for the preparation of optically active alpha-arylalkanoic acids and novel intermediates thereof. 4,888,433, 12-19-89, Cl. 549-450.000.

Giordano, Claudio: *See—*
- Castaldi, Graziano; and Giordano, Claudio, 4,824,970, Cl. 549-296.000.

Giordano, David A.: *See—*
- Neville, Donald G.; Giordano, David A.; and Hogan, Mark R., 4,877,106, Cl. 181-224.000.

Giordano, Edward: *See—*
- Petrucci, Raymond M.; Giordano, Edward; Hafner, Bruce; and Taylor, Bruce G., 4,882,061, Cl. 210-652.000.

Giordano, Edward C.; and Petrucci, Raymond M., to Cuno Incorporated. Adapter and cartridge assembly. 4,806,240, 2-21-89, Cl. 210-232.000.

Giordano, Edward C.: *See—*
- Petrucci, Raymond M.; Taylor, Bruce G.; Giordano, Edward C.; Padiall, James M.; and Palmer, Carl, 4,877,521, Cl. 210-171.000.

Giordano, Henri: *See—*
- Dauvillier, Richard; and Giordano, Henri, 4,864,196, Cl. 315-408.000.

Giordano, John A.: *See—*
- Mahaffy, Reid A.; Anderson, George W.; Garson, Eugene; Giordano, John A.; Hirt, Robert E.; and Ostrow, Milan R., 4,819,409, Cl. 53-282.000.
- Nixon, Henry M., Jr.; Anderson, George W.; and Giordano, John A., 4,831,811, Cl. 53-433.000.

Giordano, John M. Drawing table construction. 4,848,243, 7-18-89, Cl. 108-5.000.

Giorgetti, Alberto; and Gotti, Giovanni, to Brembo S.p.A. Self-ventilating disk for disk brakes. 4,865,167, 9-12-89, Cl. 188-218.0XL.

Giorgetti, Alberto; and Lavezzi, Roberto, to Brembo S.p.A. Antiskid device useful in a brake system of a motorvehicle. 4,886,323, 12-12-89, Cl. 303-113.000.

Giorgi, Leonardo: *See—*
- Azzerri, Nazzareno; and Giorgi, Leonardo, 4,886,712, Cl. 428-632.000.

Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, to Inverni della Beffa S.p.A. Derivatives of benzoyloxyacetic acid, and preparation and formulations thereof for therapeutic use. 4,879,311, 11-7-89, Cl. 514-533.000.

Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, to Inverni della Beffa S.p.A. Soluble derivatives of silybin, a method of preparing them, and pharmaceutical compositions containing them. 4,886,791, 12-12-89, Cl. 514-100.000.

Giorgini, Norman L.: *See—*
- Vogelgesang, Peter J.; Ulseth, John W.; Giorgini, Norman L.; and Edwards, Jathan D., 4,812,633, Cl. 235-487.000.

Giorgio, Bacialli: *See—*
- Leonardo, Covi; Giorgio, Bacialli; and Raffaele, Degli E., 4,874,619, Cl. 426-94.000.

Giorgio, Hugo; and Martindale, Robert G., to Safeco Manufacturing Limited. Fire fighter helmets. 4,829,599, 5-16-89, Cl. 2-5.000.

Giorgio, Paul J., to United States of America, Navy. High speed modem. 4,862,456, 8-29-89, Cl. 370-118.000.

Giorgio, Paul J., to United States of America, Navy. High throughput data communication system. 4,864,567, 9-5-89, Cl. 370-118.000.

Giori, Francis A., to LTV A&D Sierra Research Division. Method for detecting a camouflaged object and system. 4,803,489, 2-7-89, Cl. 342-192.000.

Giori, Gualtiero, to De La Rue Giori S.A. Combined rotary multicolor perfecting press. 4,794,856, 1-3-89, Cl. 101-152.000.

Gioscia, Thomas J. Knock down partition wall assembly. 4,887,401, 12-19-89, Cl. 52-221.000.

Giotis, George A. Traffic directing sign. 4,798,017, 1-17-89, Cl. 40-612.000.

Giovannetti, Laura T.: *See—*
- Gaither, William D.; Giovannetti, Laura T.; Grafe, Robert J.; Hall, Linda F.; Meyer, Gregory P.; and Pancoast, Steven T., 4,864,516, Cl. 364-518.000.

Giovanni Management Canada Ltd.: *See—*
- Cafaro, Michael, 4,857,702, Cl. 219-225.000.

Giovanni, Sesto S., to Industrie Magneti marelli S.r.l. Resilient device for connection between two structural elements, particularly for connecting the control shaft of a braking modulator to an axle of a motor vehicle. 4,869,473, 9-26-89, Cl. 267-74.000.

Giovanniello, Rocco; and Howe, Stephen M., to Westwood Chemical Corporation. Antiperspirant composition and method of preparation. 4,871,525, 10-3-89, Cl. 423-463.000.

Giovanoni, Richard L.: *See—*
- Maumenee, A. Edward; and Giovanoni, Richard L., 4,866,049, Cl. 514-169.000.
- Wittpenn, John R., Jr.; and Giovanoni, Richard L., 4,814,109, Cl. 252-547.000.

Giovine, Robert L. Tissue container and waste tissue receptacle. 4,879,442, 11-7-89, Cl. 206-233.000.

Gipe, Michael A.: *See—*
- Faulkerson, James L.; Picard, Raymond L.; Menard, Edward J.; Bennett, Sanford M.; McCarthy, Timothy J.; Foden, Edwin S.; Gipe, Michael A.; Moluf, Allan A.; Jacobs, Michael W.; and Boatner Bruce E., 4,882,629, Cl. 358-464.000.

Gipp, Roland: *See—*
- Muller, Hanns P.; and Gipp, Roland, 4,855,484, Cl. 560-72.000.
- Muller, Hanns P.; and Gipp, Roland, 4,868,268, Cl. 528-76.000.

Gipson, Kirk P.: *See—*
- Haynie, Carl R.; Gipson, Kirk P.; and Nichols, Gary H., 4,887,011, Cl. 315-403.000.

Gipson, Ronald G., to Aviation Instrument Manufacturing Corp. Pulse width modulation power supply for loads such as artificial horizon indicator gyros and the like. 4,851,751, 7-25-89, Cl. 318-599.000.

Gira, Gerald T.: *See—*
- Pekar, Howard G.; Kinkelaar, Edmund W.; and Gira, Gerald T., 4,849,264, Cl. 427-388.100.

Girard, Bernard, to Thomson-CSF. Device for energizing a non-eccentric in the wide side of a waveguide, and a slotted antenna comprising such a device. 4,873,528, 10-10-89, Cl. 343-770.000.

Girard, Donald J., to NCR Corporation. Multiple mode switching means. 4,812,840, 3-14-89, Cl. 340-825.500.

Girard, Francois: *See—*
- Slodzian, Georges; Daigne, Bernard; and Girard, Francois, 4,801,849, Cl. 315-111.810.

Girard, Henri: *See—*
- Bernard, Patrice; Sauvage, Laurent; Girard, Henri; and Ferrero, Jean-Pierre, 4,876,057, Cl. 376-216.000.

Girard, Jean-Michel, to A.N.F. Industrie. Device for intercommunication between coupled vehicles in which passengers can walk freely, especially railway cars or road vehicles. 4,798,148, 1-17-89, Cl. 105-17.000.

Girard, Joel; and Wattebled, Christian, to Vachette. Motorized closing device, particularly for an automotive-vehicle trunk. 4,889,371, 12-26-89, Cl. 292-201.000.

Girard, Mario D. Device for locking double sliding doors. 4,875,349, 10-24-89, Cl. 70-95.000.

Girard, Yves: *See—*
- Guindon, Yvan; Yoakim, Christiane; Gillard, John W.; and Girard, Yves, 4,808,608, Cl. 514-411.000.
- Guindon, Yvan; Girard, Yves; Lau, Cheuk K.; Fortin, Rejean; Rokach, Joshua; and Yoakim, Christiane, 4,876,246, Cl. 514-80.000.

Girardeau-Montaut, Claire: *See—*
- Girardeau-Montaut, Jean-Pierre; Girardeau-Montaut, Claire; and Erbeia, Angelo, 4,845,365, Cl. 250-423.00P.

Girardeau-Montaut, Jean-Pierre; Girardeau-Montaut, Claire; and Erbeia, Angelo, to Commissariat a l'Energie Atomique. Process and apparatus for producing electrons using a field coupling and the photoelectric effect. 4,845,365, 7-4-89, Cl. 250-423.00P.

Girardeau, Yvette; Gaudinet, Patrick; and Queuche, Sylvie, to Rhone-Poulenc Specialites Chimiques. Novel surface-active compositions containing polydicarboxylic acid polymer and surfactant. 4,867,972, 9-19-89, Cl. 424-81.000.

Girardier, Jean-Pierre; and Girardier, Raymond. Micrometer for measuring outer dimensions inner dimensions of a cavity or depth of a cavity. 4,821,421, 4-18-89, Cl. 33-819.000.

Girardier, Raymond: *See—*
- Girardier, Jean-Pierre; and Girardier, Raymond, 4,821,421, Cl. 33-819.000.

Girardin, Roger: *See—*
- Diot, Jean-Claude; and Girardin, Roger, 4,888,462, Cl. 219-69.200.

Girardin, Ronald E. Horse racing game. 4,874,177, 10-17-89, Cl. 273-246.000.

Girardot, Jean-Claude: *See—*
  Bienvenu, Gerard-Pierre; Chaleat, Bernard; Dubruque, Dominique; Girardot, Jean-Claude; and Vaxelaire, Philippe, 4,820,339, Cl. 75-0.5BB.
Girardot, Richard M.: *See—*
  Dirksing, Robert S.; Girardot, Richard M.; and Merz, Theodore P., 4,873,100, Cl. 426-111.000.
Giraud, Daniel; Dufrenne, Regis; and Charron, Jean. Method and system for displaying information. 4,806,924, 2-21-89, Cl. 340-792.000.
Giraud, Helmut: *See—*
  Cerff, Karlheinz; Giraud, Helmut; and Krieg, Gunther, 4,849,637, Cl. 250-345.000.
Giraudon, Jean-Claude: *See—*
  Benahim, Guy; Dutaut, Jean-Michel; and Giraudon, Jean-Claude, 4,890,070, Cl. 330-296.000.
Girault, Alain, to Forasol. Drilling system. 4,825,962, 5-2-89, Cl. 175-26.000.
Girault, Pierre: *See—*
  Tessier, Jean; Girault, Pierre; Herve, Jean-Jacques; and Van Assche, Charles-Jacques, 4,801,717, Cl. 546-177.000.
  Tessier, Jean; and Girault, Pierre, 4,808,210, Cl. 71-92.000.
Giravions Dorand: *See—*
  Michel, Goujon; and Francois, Legay J., 4,830,487, Cl. 356-5.000.
Giray, Guenes; Huthmacher, Klaus; Kleemann, Axel; and Lied, Thomas, to Degussa AG. Intermediates for the production of 1,2-dithiolan acid (thioctic acid). 4,800,044, 1-24-89, Cl. 260-399.000.
Girdley, Harry W., to Henry Vogt Machine Co. Quarter-turn plug valve having adjustable bonnet and tapered raised valve seats. 4,834,340, 5-30-89, Cl. 251-368.000.
Girerd, Marc P. M., to Toutenkamion. Roll-on, roll-off handling device and element for containers or the like. 4,863,334, 9-5-89, Cl. 414-458.000.
Girgis, Adly A.; and Brown, Robert G. Adaptive Kalman Filtering in fault classification. 4,812,995, 3-14-89, Cl. 364-481.000.
Girgis, Mikhail M., to PPG Industries, Inc. Chemically treated glass fibers. 4,795,678, 1-3-89, Cl. 428-391.000.
Girgis, Ramsis S.: *See—*
  Feather, Landis E.; Girgis, Ramsis S.; McCormick, Leach S.; and Sletten, Andreas M., 4,859,978, Cl. 336-186.000.
Girguis, Sobhy L. Constant velocity joint. 4,820,240, 4-11-89, Cl. 464-145.000.
Giridhar, Rangaswamy P.: *See—*
  Reeve, Jeffrey T.; and Giridhar, Rangaswamy P., 4,864,532, Cl. 364-900.000.
Girijavallabhan, Viyyoor M.; Ganguly, Ashit K.; Pinto, Patrick A.; and Versace, Richard W., to Schering Corporation. 6-hydroxyethyl-2-substituted thio-penem-3-carboxylates. 4,814,442, 3-21-89, Cl. 540-310.000.
Girijavallabhan, Viyyoor M.; Ganguly, Ashit K.; Pinto, Patrick A.; and Versace, Richard W., to Schering Corporation. Pharmaceutically active compounds. 4,851,423, 7-25-89, Cl. 514-399.000.
Girling, Ian R.: *See—*
  Milverton, David R. J.; and Girling, Ian R., 4,818,616, Cl. 428-411.100.
Girlock, Harry: *See—*
  Middleton, Philip N.; Green, Glen R.; and Girlock, Harry, 4,872,474, Cl. 137-493.800.
Girmi S.P.A. Corso Matteoth: *See—*
  Caldi, Carlo, 4,840,119, Cl. 99-512.000.
Girod, Detlef: *See—*
  Dassler, Joachim; Girod, Detlef; Kramer, Klaus; and Liesch, Ingrid, 4,837,477, Cl. 313-25.000.
Girodin, Marius. Suspension for a wheeled vehicle. 4,807,902, 2-28-89, Cl. 280-701.000.
Giroflex Entwicklungs AG: *See—*
  Locher, Hermann, 4,817,898, Cl. 248-161.000.
  Locher, Hermann, 4,828,080, Cl. 188-300.000.
Girona, Alfonso S. Habit control: cigarette and cigar saver. 4,865,053, 9-12-89, Cl. 131-175.000.
Girotra, Narindar M.: *See—*
  Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Girotra, Narindar M.; Graham, Donald W.; and Yang, Shu S., 4,847,271, Cl. 514-336.000.
Girotra, Narindar N.; Yang, Shu S.; and Graham, Donald W., to Merck & Co., Inc. Antihypercholesterolemic β-lactones. 4,816,477, 3-28-89, Cl. 514-449.000.
Giroux, D. William. Method for pulling fiber optic cable through a conduit. 4,836,503, 6-6-89, Cl. 254-134.3FT.
Giroux, Daniel: *See—*
  Bouron, Jean P.; Giroux, Daniel; and Rousseau, Pierre, 4,859,997, Cl. 340-752.000.
Giroux, Marcel: *See—*
  Gervais, Pierre; Duval, Michel; and Giroux, Marcel, 4,889,965, Cl. 219-10.55M.
Giroux, Martha K. Vehicular pet restraint. 4,817,562, 4-4-89, Cl. 119-96.000.
Giroux, Pierre; Ochem, Dominique; and Durand, Jean-Claude, to Commissariat a l'Energie Atomique. Process and installation for the treatment of solid organic waste contaminated by tritium. 4,882,093, 11-21-89, Cl. 252-632.000.
Giroux, Pierre R. Clasp for fixing an electrical wire to an insulator and method of fixation. 4,810,837, 3-7-89, Cl. 174-172.000.
Giroux, Richard L.: *See—*
  Bradley, Billie J.; Giroux, Richard L.; and Joyce, Allen T., 4,875,524, Cl. 166-241.000.
  Brandell, John T.; and Giroux, Richard L., 4,880,059, Cl. 166-332.000.
Girsberger Holding AG: *See—*
  Makiol, Fritz, 4,834,453, Cl. 297-301.000.
Girvin, Robert H., to K G Engineering, Inc. Collapsible wheelchair and lift assembly. 4,809,998, 3-7-89, Cl. 280-250.100.
Girzadas, Daniel V. Hands-free surgical instrument for retracting muscles and tissues. 4,867,139, 9-19-89, Cl. 128-20.000.
Gisbourne, Bryan J., to Scapa-Porritt Limited. Jointing of fabric ends. 4,827,579, 5-9-89, Cl. 24-391.000.
Gisby, Paul E.; Newell, Roger D.; and Park, Peter B., to British Gas Corporation. Biochemical assays. 4,810,641, 3-7-89, Cl. 435-26.000.
Giselsson, Jan R. F., to Hoganasmobler AB. Sitting device. 4,848,841, 7-18-89, Cl. 297-423.000.
Gish, Laura E.: *See—*
  Backenstow, Don E.; Cotsakis, Daniel J.; and Gish, Laura E., 4,849,268, Cl. 428-57.000.
Gisin, Paul: *See—*
  Frigg, Robert; Gisin, Paul; Perren, Stephan M.; Jenny, Urs; and Ritter, Gebhard, 4,803,976, Cl. 128-92.0VD.
Gisler, Anton; and Rauber, Walter, to Schweizerische Eidgenossenschaft vertreten durch die Eidg. Munitionsfabrik Thun der Gruppe fur Rustungsdienste. Pyrotechnical delay elements for delayed-action fuse and uses thereof. 4,841,856, 6-27-89, Cl. 102-202.130.
Gisler, Barbara; and Tomasi, Werner, to Wretschitsch, Walter, a part interest. Wind instrument and process of making same. 4,798,122, 1-17-89, Cl. 84-385.00P.
Gisoni, Gregory A.; and Forker, James M., to Westinghouse Electric Corp. Bi-directional keyboard interface circuit. 4,875,043, 10-17-89, Cl. 341-22.000.
Gisske, Ed: *See—*
  Wendt, David W.; Higbee, Robert W.; Kemp, Alan E.; and Gisske, Ed, 4,835,843, Cl. 29-708.000.
Gist-Brocades N.V.: *See—*
  Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Gareth T.; Robertson, Brian W.; and Watts, Peter D., 4,886,750, Cl. 435-136.000.
  Bos, Petrus J. H.; Engel, Dirk J. C.; and de Jonge, Hayo, 4,801,608, Cl. 515-503.000.
  Hollenberg, Cornelis P.; Das, Sunil; De Leeuw, Albert; and van den Berg, Johannes A., 4,859,596, Cl. 435-172.300.
Gitchev, Mihail G.: *See—*
  Samokovliiski, David A.; Nemetchek, Alfred E.; Gitchev, Mihail G.; Andreev, Krassimir A.; Bozadjiev, Iltcho T.; and Momchilov, Emil T., 4,845,336, Cl. 219-137.200.
Gitel, Sanford N.; and Wessler, Stanford, to New York University. Specific immunoassay for heparin. 4,883,751, 11-28-89, Cl. 435-7.000.
Gitlin, Harvey S.; and Wilfong, Evan C., to Equipment Systems and Devices, Inc. Coin slide. 4,828,096, 5-9-89, Cl. 194-200.000.
Gitlin, Harvey S.: *See—*
  Wilfong, Evan C.; and Gitlin, Harvey S., 4,802,566, Cl. 194-350.000.
Gitman, Gregory M.; and Khudenko, Boris M., to American Combustion, Inc. Method and apparatus for waste disposal. 4,861,262, 8-29-89, Cl. 431-5.000.
Gitman, Gregory M., to American Combustion, Inc. Method and apparatus for improved regenerative furnace. 4,874,311, 10-17-89, Cl. 432-13.000.
Gitman, Grigory M., to American Combustion, Inc. Method and apparatus for generating highly luminous flame. 4,797,087, 1-10-89, Cl. 431-10.000.
Gitman, Grigory M. Apparatus for melting and refining metals. 4,865,297, 9-12-89, Cl. 266-226.000.
Gits Manufacturing Company: *See—*
  Warner, Dale J., 4,860,857, Cl. 184-7.400.
Gitter, Michael. Footrest having heating, vibration and massaging adjusted by user's feet. 4,873,966, 10-17-89, Cl. 128-33.000.
Gittleman, Jonathan I.; and Bozowski, Stanley, to United States of America, Army. Non-destructive testing of SOS wafers using surface photovoltage measurements. 4,859,939, 8-22-89, Cl. 324-158.00R.
Gittleson, James M.: *See—*
  Salyer, Alan; and Gittleson, James M., 4,834,367, Cl. 272-143.000.
Gittos, Maurice W., to National Research Development Corporation. Pharmaceutical compositions and medical uses of dioxopiperazine derivatives. 4,835,151, 5-30-89, Cl. 514-219.000.
Gittos, Maurice W.: *See—*
  Hibert, Marcel; and Gittos, Maurice W., 4,857,526, Cl. 514-230.500.
Giubardo, Mark J., to Digital Marine Electronics Corporation. Radio receiver with automatic interference cancellation. 4,812,851, 3-14-89, Cl. 342-389.000.
Giuffre, Kenneth A.; and Giuffre, Michele A. Sharp instrument protection means. 4,880,413, 11-14-89, Cl. 604-192.000.
Giuffre, Michele A.: *See—*
  Giuffre, Kenneth A.; and Giuffre, Michele A., 4,880,413, Cl. 604-192.000.
Giuliani, Adrian A.: *See—*
  Bowker, Duane O.; Giuliani, Adrian A.; and Jones, David F., 4,797,915, Cl. 379-216.000.
Giuliani, Giampiero: *See—*
  Michelangeli, Glauco B.; De Maria, Michele; and Giuliani, Giampiero, 4,796,262, Cl. 372-9.000.
Giuliani, Karen A.: *See—*
  Giuliani, Robert L.; Giuliani, Mark A.; and Giuliani, Karen A., 4,803,890, Cl. 74-131.000.
  Giuliani, Robert L.; Giuliani, Mark A.; and Giuliani, Karen A., 4,819,494, Cl. 74-190.000.

Giuliani, Marcello. Multiple-card with transferring, carding and cleaning cylinder. 4,797,978, 1-17-89, Cl. 19-98.000.
Giuliani, Marcello. Pneumatic assembly for waste removal. 4,811,464, 3-14-89, Cl. 19-107.000.
Giuliani, Mark A.: *See—*
  Giuliani, Robert L.; Giuliani, Mark A.; and Giuliani, Karen A., 4,803,890, Cl. 74-131.000.
  Giuliani, Robert L.; Giuliani, Mark A.; and Giuliani, Karen A., 4,819,494, Cl. 74-190.000.
Giuliani, Robert L.; Giuliani, Mark A.; and Giuliani, Karen A. Piston/-power shaft coupling. 4,803,890, 2-14-89, Cl. 74-131.000.
Giuliani, Robert L.; Giuliani, Mark A.; and Giuliani, Karen A. Continuously variable transmission. 4,819,494, 4-11-89, Cl. 74-190.000.
Giuliano, Ercole: *See—*
  Barbagelata, Giuseppe; and Giuliano, Ercole, 4,821,108, Cl. 358-282.000.
Giulie, Joe D. Strip binder. 4,813,836, 3-21-89, Cl. 412-43.000.
Giurgea, Corneliu: *See—*
  Gobert, Jean; Giurgea, Corneliu; Geerts, Jean-Pierre; and Bodson, Guy, 4,837,224, Cl. 514-424.000.
Giuseppe, Cassan. Cutting diamond machine for ornamentally machining chainlets and provided with a device permitting a vice shaft to be rotated and/or shifted axially, and an engraving device effecting various machining movements. 4,836,724, 6-6-89, Cl. 409-144.000.
Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, to Eniricerche S.P.A.; and AGIP S.P.A. Process for oligomerizing light olefins or mixtures thereof. 4,831,201, 5-16-89, Cl. 585-531.000.
Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, to Eniricerche S.p.A.; and Agip S.p.A. Process for oligomerizing light olefins or their mixtures. 4,831,202, 5-16-89, Cl. 585-533.000.
Giusti, Frank, Jr.: *See—*
  Clary, Sammy R.; Giusti, Frank, Jr.; and Sproul, Richard M., 4,846,281, Cl. 166-373.000.
  Proctor, Lewis D.; Ross, Colby M.; Manzi, Brian P.; and Giusti, Frank, Jr., 4,840,229, Cl. 166-381.000.
  Ross, Colby M.; Giusti, Frank, Jr.; and Hendrickson, James D., 4,886,113, Cl. 166-51.000.
  Sproul, Richard M.; Giusti, Frank, Jr.; Grant, Richard L.; and Brown, Kennedy J., 4,813,481, Cl. 166-51.000.
  Sproul, Richard M.; Giusti, Frank, Jr.; Young, Carter R.; and Wilkie, John B., Jr., 4,832,129, Cl. 166-387.000.
Giusti, Giambattista; Reinauer, Thomas V.; and DeHont, Raymond J. Gas stream diffusing and distribution apparatus. 4,799,943, 1-24-89, Cl. 55-308.000.
Giusti, Giambattista; and Duyckinck, Robert W. Multi stage gas inlet construction for dust collectors. 4,883,509, 11-28-89, Cl. 55-326.000.
Giusti, Giambattista; and Duyckinck, Robert W. Gas inlet construction for fabric filter dust collections. 4,883,510, 11-28-89, Cl. 55-326.000.
Giustina International S.p.A.: *See—*
  Corallo, Valeriano; and Rattazzini, Paolo, 4,807,400, Cl. 51-165.00R.
  Corallo, Valeriano, 4,811,524, Cl. 51-165.00R.
Givati, Izhak, to Shakbar Investments Ltd. Plastic clip particularly useful as a clothes pin. 4,876,771, 10-31-89, Cl. 24-298.000.
Givaudan Corporation: *See—*
  Baudin, Josianne; and Gonzenbach, Hans U., 4,804,776, Cl. 560-51.000.
  Christen, Felix; and Kracher, Fritz, 4,804,544, Cl. 426-5.000.
  Losi, Salvatore A., 4,878,615, Cl. 239-45.000.
  Naegeli, Peter, 4,877,904, Cl. 568-374.000.
  Rohr, Martin; Potter, Richard H.; and Naipawer, Richard E., 4,851,050, Cl. 131-276.000.
  Virgilio, Joseph A.; Manowitz, Milton; and Heilweil, Emanuel, 4,841,063, Cl. 548-213.000.
Given, Peter S., Jr.; and Arciszewski, Henry, to Nabisco Brands, Inc. Fruit-containing confectionery bar. 4,888,187, 12-19-89, Cl. 426-102.000.
Given, Peter S., Jr.: *See—*
  Hahn, Stephen D.; Given, Peter S., Jr.; and Klemann, Lawrence P., 4,888,195, Cl. 426-601.000.
Givens, Guy M.: *See—*
  Hicks, T. Lawrence; Givens, Guy M.; Brinton, Robert J.; and Grundhauser, Donald J., 4,872,056, Cl. 358-183.000.
Givens, Joe C.; Stevenson, William L.; Moses, Darcy; Kratochwill, William L.; and Anderson, George E., to Crown Iron Works Company. Method of conditioning oil seeds and similar materials. 4,869,910, 9-26-89, Cl. 426-467.000.
Givens, John K.: *See—*
  Klabius, James J.; and Givens, John K., 4,795,520, Cl. 156-380.400
Givler, Omar, to Portage Electric Products, Inc. Method of forming a thermostatic switch with a narrow operating temperature range. 4,823,105, 4-18-89, Cl. 337-368.000.
Givler, Omar, to Portage Electric Products, Inc. Thermostatic switch having a bimetal strip with increased life expectancy. 4,829,281, 5-9-89, Cl. 337-372.000.
Givot, George. Hand held wrench for helical spring type wire connectors. 4,860,618, 8-29-89, Cl. 81-121.100.
GIW Industries, Inc.: *See—*
  Addie, Graeme R.; and Visintainer, Robert J., 4,872,809, Cl. 415-206.000.
Gizeski, John J.; Short, Stephen P.; and Mellen, Robert J., to General Electric Company. Safety electrical tap. 4,867,693, 9-19-89, Cl. 439-137.000.
Gizolme, Alain; and Aldeguer, Jean-Bernard, to Belier Industries. Metallized dielectric sheet for making capacitors of the wound type, and capacitors obtained. 4,819,127, 4-4-89, Cl. 361-273.000.
Gizzi, Eugene A. Multipurpose paint can accessory. 4,832,293, 5-23-89, Cl. 248-110.000.
Gjelstrup, Lars; and Hansen, Flemming, to Lindknud Plast A/S. Foil bag. 4,822,180, 4-18-89, Cl. 383-57.000.
Gjertsen, Robert K.; Knott, Ronald P.; and Sparrow, James A., to Westinghouse Electric Corp. Reconstitutable control assembly having removable control rods with detachable split upper end plugs. 4,888,151, 12-19-89, Cl. 376-327.000.
Gjertsen, Robert K.: *See—*
  Cerni, Samuel; Wilson, John F.; and Gjertsen, Robert K., 4,798,699, Cl. 376-327.000.
  Mayers, Joseph B.; Gjertsen, Robert K.; and Wilson, John F., 4,820,475, Cl. 376-327.000.
  Wilson, John F.; Cerni, Samuel; and Gjertsen, Robert K., 4,820,058, Cl. 376-327.000.
Gjessing, Dag K. T.; and Hjelmstad, Jens F., to Norges Teknisk-Naturvitenskapelige Forskningsråd. System for detection of objects with given, known characteristics against a background. 4,829,306, 5-9-89, Cl. 342-159.000.
Gjessing, Dag K. T.; Hjelmstad, Jens F.; and Tonning, Andreas. System for marine seismic exploration. 4,843,597, 6-27-89, Cl. 367-15.000.
Gjestrum, Einar: *See—*
  Dragsund, Inge; and Gjestrum, Einar, 4,831,599, Cl. 367-15.000.
  Langeland, Jan-Age; Gjestrum, Einar; and Bjerkoy, Rolf, 4,798,156, Cl. 114-242.000.
  Russell, Michael; and Gjestrum, Einar, 4,828,223, Cl. 254-265.000.
GK Technologies, Inc.: *See—*
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GKN Automotive Components, Inc.: *See—*
  Gehrke, Glenn F., 4,813,808, Cl. 403-326.000.
  Hazebrook, Daniel W.; and Wagner, Jurgen, 4,846,764, Cl. 464-145.000.
  Sutton, Noel W.; and Gehrke, Glenn F., 4,795,404, Cl. 464-111.000.
GKN Automotive, Inc.: *See—*
  Hahn, Steven C., 4,832,657, Cl. 464-141.000.
  Hazebrook, Daniel W., 4,869,129, Cl. 74-711.000.
  Krude, Werner, 4,819,756, Cl. 180-73.300.
GKN Axles Limited: *See—*
  Cerrington, Brian E.; Arrindell, Michael W.; Cooper, Kenneth E.; and Isaacson, Philip G., 4,841,797, Cl. 74-467.000.
GKN Cardantec International Gesellschaft Fur Antriebstechnik mbH: *See—*
  Schlonski, Albrecht, 4,824,275, Cl. 403-27.000.
GKN Crompton Limited: *See—*
  White, Paul S.; and Eaton, Michael D., 4,796,331, Cl. 16-324.000.
GKN Hayward Baker, Inc.: *See—*
  Wright, Paul J., 4,871,283, Cl. 405-263.000.
GKN Sheepbridge Limited: *See—*
  Kettell, John; and Whitmarsh, David L., 4,846,329, Cl. 192-107.00M.
GKN Technology Limited: *See—*
  Cowburn, David; Rawlings, Stephen P.; and Pollard, Andrew, 4,887,841, Cl. 280-719.000.
  Scowen, Geoffrey D.; and Crouch, Joseph C. J., 4,832,320, Cl. 267-227.000.
  Wilcox, Lester T., 4,887,802, Cl. 267-148.000.
GKSS Forschungszentrum Geesthacht GmbH: *See—*
  Kneifel, Klemens; Peinemann, Klaus-Viktor; and Waldemann, Rudolf, 4,818,452, Cl. 264-41.000.
  Knoth, Joachim; Schneider, Harald; and Schwenke, Heinrich, 4,847,882, Cl. 378-44.000.
  Seibig, Bernd; Reymann, Alfred; and Dittmer, Helmut, 4,848,935, Cl. 384-276.000.
Glaab, Joseph: *See—*
  Griffin, John; Grubb, David; and Glaab, Joseph, 4,815,129, Cl. 380-15.000.
Glab, John A.; Nicosia, Raymond P.; and Yopp, W. Trent, to Ford Motor Company. Control system and method for operating adjustable vehicular suspension unit over undulating road surfaces. 4,804,203, 2-14-89, Cl. 280-707.000.
Glab, John A.: *See—*
  Yopp, W. Trent; and Glab, John A., 4,822,063, Cl. 280-840.000.
Glaberson, John; and Santulli, Scott, to Cauzin Systems, Incorporated. Card reader for receiving a card bearing an imprinted data strip, self positioning the card in a pre-determined position and scanning the imprinted data strip in two directions. 4,886,957, 12-12-89, Cl. 235-482.000.
Glace, William R.: *See—*
  Ibsen, Robert L.; and Glace, William R., 4,859,716, Cl. 522-14.000.
Glaceries de Saint-Roch S.A.: *See—*
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Glacier Metal Company Limited, The: *See—*
  Gojon, Roger L., 4,889,435, Cl. 384-276.000.
Glackin, Steven F. Fire retardant mattress. 4,866,799, 9-19-89, Cl. 5-459.000.
Gladd, Joseph H.: *See—*
  Bensing, Gregory L.; Gladd, Joseph H.; and Yurtin, John A., 4,874,325, Cl. 439-272.000.
Gladden, Ernest L.; and Tavelli, Sanford B., to Ensign-Bickford Company, The. Impeded velocity signal transmission line. 4,838,165, 6-13-89, Cl. 102-275.800.
Gladek, Janez, to Montana Sport GmbH. Arrangement for treating the running surfaces by skis. 4,869,024, 9-26-89, Cl. 51-92.00R.

Gladenbeck, Jurgen; and Frohlich, Gunter, to U.S. Philips Corp. Protective sheath for optical waveguide splice. 4,863,234, 9-5-89, Cl. 350-96.210.

Gladfelter, Wayne L.; Mantell, Daniel R.; Evans, John F.; and Schulze, Roland K., to University of Minnesota, Regents of the. Process for metal nitride deposition. 4,832,986, 5-23-89, Cl. 427-248.100.

Gladish, Herbert E., to E. B. Eddy Forest Products, Ltd. Minimum filler runner for air conveyor system. 4,838,169, 6-13-89, Cl. 104-23.200.

Gladish, Herbert E.; Hallett, Ronald C.; and Blair, Richard C., to Eddy Forest Products, Ltd. Accumulation and storage system for palletized loads. 4,887,706, 12-19-89, Cl. 198-774.000.

Gladman, David C. F., to BOC Group, Inc., The. Liquid-vapor contact method and apparatus. 4,843,828, 7-4-89, Cl. 62-24.000.

Gladstone, David H.; Langlois, Raymond; and Robertson, William J., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Filament-wound venturi. 4,843,946, 7-4-89, Cl. 89-15.000.

Gladstone, Ernest. Method of and arrangement for generating hydrogen. 4,827,726, 5-9-89, Cl. 62-48.200.

Gladstone, Ernest. Arrangement for and method of supplying hydrogen gas. 4,887,556, 12-19-89, Cl. 123-1.00A.

Gladu, Andre J.: *See—*
Auclair, Normand M.; and Gladu, Andre J., 4,805,908, Cl. 273-145.00C.

Gladwin Corporation: *See—*
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Glaenzer Spicer: *See—*
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Orain, Michel, 4,828,534, Cl. 464-111.000.
Orain, Michel, 4,881,923, Cl. 464-111.000.
Orain, Michel A., 4,808,144, Cl. 464-111.000.
Van Dest, Jean-Claude, 4,799,402, Cl. 74-701.000.
Van Dest, Jean-Claude, 4,878,881, Cl. 464-111.000.

Glaeser, Christopher D.: *See—*
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Glaeser, Karl C.; and Buhr, Gerhard, to Ernst Peiniger GmbH Unternehmen fur Bautenschutz. Wet sand blasting with pressurized water feed. 4,802,312, 2-7-89, Cl. 51-321.000.

Glaeser, Karl C.; Lohmuller, Detlef; Tilmans, Heinz; Genuit, Klaus; Cardinal, Joachim; and Buhr, Gerhard, to Ernst Peiniger GmbH Unternehmen Fur Bautenschutz. Safety device. 4,814,632, 3-21-89, Cl. 307-116.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Method for ammoxidation of paraffins and catalyst system therefor. 4,801,727, 1-31-89, Cl. 558-319.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Method for ammoxidation of paraffins and catalyst system therefor. 4,814,478, 3-21-89, Cl. 558-319.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Catalyst system for ammoxidation of paraffins. 4,835,125, 5-30-89, Cl. 502-202.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Catalytic mixture for the ammoxidation of paraffins. 4,837,191, 6-6-89, Cl. 502-202.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Catalyst system for ammoxidation of paraffins. 4,837,233, 6-6-89, Cl. 502-204.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Catalyst system for ammoxidation of paraffins. 4,843,055, 6-27-89, Cl. 502-202.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Method for ammoxidation of paraffins and catalyst system therefor. 4,866,194, 9-12-89, Cl. 558-319.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Catalyst system for ammoxidation of paraffins. 4,877,764, 10-31-89, Cl. 502-209.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Method for ammoxidation of paraffins and catalyst system therefor. 4,883,896, 11-28-89, Cl. 558-319.000.

Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., to Standard Oil Company, The. Method for ammoxidation of paraffins and catalyst system therefor. 4,888,438, 12-19-89, Cl. 558-319.000.

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Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,883,895, Cl. 558-319.000.
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Glaeser, William F.; Hodges, Grant D; and Sheppard, David R. Applicator dispensing and storing of particulate carpet-cleaning composition. 4,863,069, 9-5-89, Cl. 222-169.000.

Glaeser, Winfried; and Schuett, Dieter, to Siemens Aktiengesellschaft. Programmable logic array for carrying out logic operations of binary input signals. 4,815,022, 3-21-89, Cl. 364-716.000.

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Glaister, Frank J., to High Voltage Engineering Corporation. Fluorocarbon polymer compositions and articles shaped therefrom. 4,844,982, 7-4-89, Cl. 428-421.000.

Glaize, Christian; and Lemarquand, Guy, to Commissariat a l'Energie Atomique. Angular position sensor and angular position determination means equipped with several of these sensors. 4,870,358, 9-26-89, Cl. 324-208.000.

Glajch, Joseph L.; and Kirkland, Joseph J., to Du Pont de Nemours, E. I., and Company. Substrates coated with organo-silanes that are sterically-protected. 4,847,159, 7-11-89, Cl. 428-447.000.

Glamkowski, Edward J.; Chiang, Yulin; and Ehrgott, Frederick J., Jr., to Hoechst-Roussel Pharmaceuticals, Inc. Antiinflammatory and analgesic piperidin-4-yl-tetracyclic benzodiazepines and use thereof. 4,840,947, 6-20-89, Cl. 514-219.000.

Glamkowski, Edward J.; and Jones, Michael C., to Hoechst-Roussel Pharmaceuticals, Inc. 2'-substituted-spiro[benzofuran-2(3H),1'-cyclohexanes] and intermediates thereof. 4,847,414, 7-11-89, Cl. 564-338.000.

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Glandorf, William M.; Camplejohn, Jane R.; and Huetter, Thomas E., to Procter & Gamble Company, The. Pearlescent dentifrice compositions. 4,849,212, 7-18-89, Cl. 424-52.000.

Glang, Reinhard; and Ku, San-Mei, to International Business Machines Corporation. Self-aligned polysilicon emitter and contact structure for high performance bipolar transistors. 4,871,684, 10-3-89, Cl. 437-31.000.

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Glang, Siegfried; and Grabe, Werner, to Phoenix Aktiengesellschaft. Sealing profile for tunnel segments. 4,824,289, 4-25-89, Cl. 405-152.000.

Glanvall, Rune, to Stal Refrigeration AB. Control system for controlling the internal volume in a rotary compressor. 4,877,380, 10-31-89, Cl. 417-310.000.

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Glaser, Franz, to Hertel AG Werkzeuge & Hartstoffe. Chuck. 4,797,041, 1-10-89, Cl. 409-232.000.

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Glass, Michael; Bilka, Kenneth P.; and Guzowski, Anthony, to Warner-Lambert Company. Chewable tooth cleaning composition. 4,828,820, 5-9-89, Cl. 424-48.000.

Glass, Michael; Bilka, Kenneth P.; Guzowski, Anthony; and Malinowski, Eva, to Warner-Lambert Company. Consistently soft-chew textured gum composition. 4,834,986, 5-30-89, Cl. 426-3.000.

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Waterbury, John B.; Watson, Stanley W.; Glazer, Alexander N.; and Ong, Linda J., 4,857,474, Cl. 436-501.000.

Whiteley, Norman M.; Hunkapiller, Michael W.; and Glazer, Alexander N., 4,883,750, Cl. 435-6.000.

Glazer, Edward A.; and McFarland, James W., to Pfizer Inc. Heterocyclic ring fused pyrimidine-4(3H)-ones as anticoccidial agents. 4,797,486, 1-10-89, Cl. 544-250.000.

Glazer, Edward A., to Pfizer Inc. Quinazolin-4(3H)-one derivatives as anticoccidial agents. 4,849,518, 7-18-89, Cl. 544-287.000.

Glazer, Frank C.; and Trimper, John K., to Digital Equipment Corporation. Fast bitonal to gray scale image scaling. 4,829,587, 5-9-89, Cl. 382-47.000.

Glazier, Stephen C. Non-reusable syringe. 4,883,466, 11-28-89, Cl. 604-110.000.

Glazier, Stephen C. Guard assembly for hypodermic needle. 4,883,46 11-28-89, Cl. 604-192.000.

Glazko, Viktor I.: *See—*

Fedorov, Svyatoslav N.; Egorova, Eleonora V.; Strunova, Natalya A.; Glazko, Viktor I.; and Trubilin, Vladimir N., 4,838,890, Cl. 623-6.000.

Gleadall, Wilfred L.: *See—*

Duthie, George A.; Frey, Mark C.; Gleadall, Wilfred L.; Skrovanek, Ambroz C.; and Corp, David O., 4,821,150, Cl. 361-395.000.

Gleasman, Vernon E. Tool for removing snap rings. 4,873,754, 10-17-89, Cl. 29-229.000.

Gleason, Clifford C., deceased (by Gleason, Mary J., executor); and Ekstedt, Edward E., to United States of America, Air Force. Externally vaporizing system for turbine combustor. 4,838,029, 6-13-89, Cl. 60-732.000.

Gleason, Everett: *See—*

Levy, Roger; and Gleason, Everett, 4,831,857, Cl. 72-181.000.

Gleason, Greta L.: *See—*

Osterhout, Ralph; Kash, Richard; Cederlind, Gregory; and Gleason, Greta L., 4,794,803, Cl. 73-865.100.

Gleason, John G.; Hall, Ralph F.; Ku, Thomas Wen-Fu; and Perchonock, Carl D., to SmithKline Beckman Corporation. Leukotriene antagonists. 4,820,719, 4-11-89, Cl. 514-381.000.

Gleason, John G.; Hoffstein, Sylvia T.; Kinzig, Charles M.; Mong, Seymour; and Sarau, Henry M., to SmithKline Beckman Corporation. Leukotriene antagonists. 4,871,771, 10-3-89, Cl. 514-570.000.

Gleason, John G.; Hall, Ralph F.; Ku, Thomas W.; and Perchonock, Carl D., to Smithkline Beckman Corporation. Thiophenyl Alkanoic acids useful as leukotriene antagonists. 4,874,792, 10-17-89, Cl. 514-570.000.

Gleason, K. Reed; Jones, Keith E.; and Strid, Eric W., to Cascade Microtech, Inc. Microwave wafer probe having replaceable probe tip. 4,849,689, 7-18-89, Cl. 324-158.00P.

Gleason, Kimberly R.; Strid, Eric W.; Flegal, Robert T.; and McCamant, Angus J., to TriQuint Semiconductor, Inc. Wafer probe. 4,853,627, 8-1-89, Cl. 324-158.00P.

Gleason, Kimberly R.: *See—*

Strid, Eric W.; and Gleason, Kimberly R., 4,827,211, Cl. 324-158.00P.

Gleason, Mary J., executor: *See—*

Gleason, Clifford C., deceased; and Ekstedt, Edward E., 4,838,029, Cl. 60-732.000.

Gleason, Patrick D., to H. B. Fuller Company. Starch-based adhesive formulation. 4,804,414, 2-14-89, Cl. 106-212.000.

Gleason, Patrick J., to Turn-Broach, Inc. Crankshaft broaching machine and method. 4,801,226, 1-31-89, Cl. 409-244.000.

Gleason Reel Corp.: *See—*

Pea, Kevin I.; Tenniswood, David M.; and Loeck, Steven M., 4,889,964, Cl. 200-31.00R.

Tenniswood, David M.; Pea, Kevin I.; and Loeck, Steven M., 4,885,437, Cl. 200-31.00R.

Gleason, Terry L. Apparatus for repairing pallets. 4,845,825, 7-11-89, Cl. 29-252.000.

Gleason Works, The: *See—*

Pedersen, Harry, 4,805,487, Cl. 74-715.000.

Pedersen, Harry, 4,844,427, Cl. 266-80.000.

Gleeson, Robert G.: *See—*

Willer, Rodney L.; Hartwell, James A.; and Gleeson, Robert G., 4,889,571, Cl. 149-19.900.

Gleim, Gunter; Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, to Deutsche Thomson-Brandt GmbH. Device for eliminating the inter-line flicker. 4,795,947, 1-3-89, Cl. 315-384.000.

Gleim, Gunter; and Uhde, Dietmar, to Deutsche Thomson-Brandt GmbH. Method and apparatus for controlling the number of revolutions of a rotor. 4,862,045, 8-29-89, Cl. 318-254.000.

Gleim, Gunter, to Deutsche Thomson-Brandt GmbH. Arrangement for reproducing data readable by an optical scanner from tracks of a recorded medium. 4,888,754, 12-19-89, Cl. 369-44.000.

Gleim, Gunter: *See—*

Uhde, Dietmar; Gleim, Gunter; Schandl, Hartmut; Hock, Peter; and Lehmann, Rudiger, 4,803,408, Cl. 318-254.000.

Gleisner, John M., to Polymer Technology International Corp. Test strip having a non-particulate dialyzed polymer layer. 4,814,14 3-21-89, Cl. 422-56.000.

Gleisner Klempau, Arturo G.: *See—*

Saphores Wiedmaier, Eugenio A.; Gleisner Klempau, Arturo G.; Vega de Kuyper, Juan C.; and Mardones Parra, Wladimir A., 4,886,595, Cl. 209-166.000.

Gleitbau Gesellschaft Mit Beschrankter Haftung: *See—*

Sommer, Arnold; and Lienbacher, Richard, 4,804,320, Cl. 425-65.000.

Sommer, Arnold; Lienbacher, Richard; and Herzog, Guido, 4,824,350, Cl. 425-63.000.

Gleiter, Herbert: *See—*

Fuchs, Harald; Gleiter, Herbert; Trapp, Stephan; and Petermann, Juergen, 4,812,800, Cl. 338-2.000.

Gleixner, Richard A.: *See—*

Bibler, James R.; and Gleixner, Richard A., 4,842,040, Cl. 164-429.000.

Glemboski, Mark A.: *See—*

Feustel, Timothy C.; Glemboski, Mark A.; Ordun, Michael R.; Velius, George A.; and Weinstein, Stephen B., 4,827,518, Cl. 381-42.000.

Glemet, Michel; and Cognet, Gilles, to Societe Atochem. Process for the manufacture of sections of thermoplastic resin reinforced with continuous fibers. 4,883,625, 11-28-89, Cl. 264-136.000.

Glemser, Raymond G., II: *See—*

Fitzgerald, William J., Jr.; and Glemser, Raymond G., II, 4,855,939, Cl. 364-522.000.

Glen Culler & Associates: *See—*

Culler, Glen J., 4,837,682, Cl. 364-200.000.

Glen, Jeffrey; and Mark, Alexander. Patient communication and diagnostic device. 4,810,996, 3-7-89, Cl. 340-321.000.

Glen, John B.; and James, Roger, to Imperial Chemical Industries PLC. Pharmaceutical compositions. 4,798,846, 1-17-89, Cl. 514-731.000.

Glen, Robert D., to E.P. Barrus Limited. Steering and control gear. 4,808,131, 2-28-89, Cl. 440-63.000.

Glen, Robert D., to E.P. Barrus Limited. Carburettor. 4,840,752, 6-20-89, Cl. 261-72.100.

Glendinning, Scott. Table base. 4,824,058, 4-25-89, Cl. 248-764.000.

Glendinning, William B., to United States of America, Army. Patterning optical and X-ray masks for integrated circuit fabrication. 4,797,334, 1-10-89, Cl. 430-5.000.

Glendinning, William B., to United States of America, Army. Patterning optical and X-ray masks for integrated circuit fabrication. 4,816,361, 3-28-89, Cl. 430-5.000.

Glenn, Christopher J.: *See—*

Keith, William J.; Parsons, Michael; Smith, Russell P.; Glenn, Christopher J.; and Bell, Stephen, 4,862,505, Cl. 381-60.000.

Glenn, Elmer W. Vehicle attachment for accommodating tool. 4,869,002, 9-26-89, Cl. 37-117.500.

Glenn, Lake H., to USA Medical. Surgical aspirator. 4,857,063, 8-15-89, Cl. 604-317.000.

Glenn, Max C., to Honeywell Inc. Multiple level miniature electromechanical accelerometer switch. 4,855,544, 8-8-89, Cl. 200-61.45R.

Glenn, Michael I.: *See—*

Archer, Timothy H. V.; Bowman, Randy; and Glenn, Michael I., 4,875,054, Cl. 346-1.100.

Holder, Joseph P.; Glenn, Michael I.; McConnell, Bobby L.; and Graham, Louis A., 4,797,687, Cl. 346-1.100.

Holder, Joseph P.; Glenn, Michael I.; McConnell, Bobby L.; and Graham, Louis A., 4,829,793, Cl. 68-205.00R.

Glenn, Robert: *See—*

Bennion, Ian; Trundle, Clive; Brettle, Jack; Goodwin, Martin J.; and Glenn, Robert, 4,838,634, Cl. 350-96.120.

Glenn, Robert D.: *See—*

DeMarseilles, Paul H.; Glenn, Robert D.; and Sorensen, David A., 4,869,083, Cl. 70-224.000.

Glenn, Thomas R.; and Zaremba, Norman S., to AG Communication Systems Corporation. Inspection fixture for the solder side of printed circuit boards. 4,866,578, 9-12-89, Cl. 362-139.000.

Glenn, Thomas R.: *See—*

Zaremba, Norman S.; Beyer, John P.; and Glenn, Thomas R., 4,868,975, Cl. 29-741.000.

Glenn, William E., to New York Institute of Technology. Method and system for transmission and reception of high definition televisions. 4,800,426, 1-24-89, Cl. 358-141.000.

Glenn, William E., to New York Institute of Technology. Light modulator video display apparatus. 4,878,122, 10-31-89, Cl. 358-233.000.

Glenn, William E., to New York Institute of Technology. Electrode patterns for solid state light modulator. 4,879,602, 11-7-89, Cl. 358-233.000.

Glenn, William H.; Meltz, Gerald; and Snitzer, Elias, to United Technologies Corporation. Method for impressing gratings within fiber optics. 4,807,950, 2-28-89, Cl. 350-3.610.

Glenn, William H., to United Technologies Corporation. Active optical pyrometer. 4,818,102, 4-4-89, Cl. 356-43.000.

Glenn, William H.: *See—*

Meltz, Gerald; Glenn, William H.; and Snitzer, Elias, 4,806,012, Cl. 356-32.000.

Glenn, Willie L. Educational automotive game method of play. 4,884,815, 12-5-89, Cl. 273-240.000.

Glenn, Willis H. Apparatus for bagging hay bales. 4,888,937, 12-26-89, Cl. 53-567.000.

Glenning, John J.; Johnson, Caryn J.; Pawlowski, Walter P.; and Sakorafos, Kenneth G., to International Business Machines Corp. Wet etching of cured polyimide. 4,857,143, 8-15-89, Cl. 156-668.000.

Glenning, John J.: *See—*

Bard, Steven L.; Feger, Claudius; Glenning, John J.; Hougham, Gareth G.; Molis, Steven E.; Pawlowski, Walter P.; Ritsko, John J.; Slota, Peter, Jr.; and Snyder, Randy W., 4,846,929, Cl. 156-630.000.

Feilchenfeld, Natalie B.; Fuerniss, Stephen J.; Glenning, John J.; Pawlowski, Walter P.; Phelan, Giana M.; and Rickerl, Paul G., 4,883,744, Cl. 430-325.000.

Glennon, Roger J.: *See—*

Moscoe, Gerald F.; Matervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,828,014, Cl. 164-437.000.

Moscoe, Gerald F.; Mastervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,860,819, Cl. 164-437.000.

Glennon, Timothy F.; and McCracken, William E., to Sundstrand Corporation. Electrically compensated constant speed drive with prime mover start capability. 4,868,406, 9-19-89, Cl. 290-4.00R.

Glenview Security Systems, Inc.: *See—*

Sciortino, Michael J.; and Schmidt, Wendel, 4,854,247, Cl. 109-1.00R.

Glesen, Brigitte: *See—*

Meffert, Alfred; Glesen, Brigitte; Syldatk, Andreas; Wegener, Ingo; and Fues, Johann F., 4,830,784, Cl. 252-547.000.

Glesmann, Herbert C. Odometer disabling system and clutch therefor. 4,887,704, 12-19-89, Cl. 192-90.000.

Gless, Richard D., Jr.: *See—*

Dinizo, Stephen E.; and Gless, Richard D., Jr., 4,868,333, Cl. 562-438.000.

Glessner, Charles W.; and Keenan, Paul A., to American Telephone and Telegraph Company. Method and apparatus for part pickup. 4,815,779, 3-28-89, Cl. 294-64.100.

Gleyze, Jean: *See—*

Mouraret, Guy; and Gleyze, Jean, 4,829,688, Cl. 40-622.000.

Gleyzer, Victoria: *See—*

Nagan, Raymond M.; Marrero, Antulio D.; Naik, Rajeev V.; and Gleyzer, Victoria, 4,832,105, Cl. 164-61.000.

Glezer, Johannes H. E.: *See—*

De Jong, Krijn P.; Glezer, Johannes H. E.; and Post, Martin F. M., 4,857,497, Cl. 502-242.000.

Glezerman, Josef: *See—*

Wied, Edwin; and Glezerman, Josef, 4,856,460, Cl. 122-4.00D.

GLI Industries, Inc.: *See—*

Graham, Charles H.; and Matthews, George A., 4,836,066, Cl. 81-177.400.

Glick, Eliot M. Adhesive postcard for articles. 4,807,807, 2-28-89, Cl. 229-92.800.

Glick, J. Leslie, to Bionix Corporation. Methods for diagonosing, monitoring and controlling the onset and progression of certain dementias and impeding memory loss or improving impairment of memory. 4,837,164, 6-6-89, Cl. 436-88.000.

Glick, Michael A., to Iatroban, Ltd. Hypodermic needle with protective cover. 4,863,436, 9-5-89, Cl. 604-198.000.

Glickman, Ilan: *See—*

Levy, Amir; Glickman, Ilan; Berezniak, Haim; and Rosenberg, Avraham, 4,811,664, Cl. 102-226.000.

Glickman, Joel I.; and Pflug, Robert F., to Trion Industries, Inc. All plastic display hook with locking feature. 4,889,304, 12-26-89, Cl. 248-222.100.

Glickman, Joel I.: *See—*

Thalenfeld, David R.; and Glickman, Joel I., 4,805,861, Cl. 248-225.100.

Glickman, Myron: *See—*

Lanigan, John J., Jr.; Glickman, Myron; and Ermel, Bernard A., 4,877,365, Cl. 414-459.000.

Glidden Company, The: *See—*

Barnett, Gerald W.; and Chen, Tien T., 4,812,510, Cl. 524-807.000.

Hahn, Kenneth G., Jr., 4,812,491, Cl. 523-310.000.

Hahn, Kenneth G., Jr., 4,853,422, Cl. 523-310.000.

Lin, Ju-Chui; and Abbey, Kirk J., 4,837,326, Cl. 546-12.000.

Meyers, Raymond E.; and Kukuca, Albert S., 4,851,269, Cl. 427-428.000.

Pekarik, Alan J., 4,840,980, Cl. 523-456.000.

Reising, John C.; and Miles, David E., 4,877,837, Cl. 525-100.000.

Toman, Perry A., 4,812,523, Cl. 525-162.000.

Toman, Perry A., 4,877,838, Cl. 525-107.000.

Wickert, Frank A., 4,800,107, Cl. 427-421.000.

Woo, James T. K.; Reising, John C.; Marcinko, Richard M.; and Miles, David E., 4,879,344, Cl. 523-100.000.

Woo, James T. K.; and Marcinko, Richard M., 4,882,372, Cl. 523-411.000.

Gliebe, Philip R.: *See—*

Adamson, Arthur P.; and Gliebe, Philip R., 4,883,240, Cl. 244-69.000.

Gliege, Evelyn D.: *See—*

Harris, Dorothy A., 4,813,162, Cl. 36-88.000.

Gliever, John H.: *See—*

Parker, David R.; and Gliever, John H., 4,844,593, Cl. 350-400.000.

Gligora, Mario: *See—*

Ilg, Laszlo; and Gligora, Mario, 4,871,752, Cl. 514-355.000.

Glimpel, Helmut; and Wenzel, Volker, to Emuge-Werk Richard Glimpel Fabrik fur Prazisionwerkzeuge (vormals Moschkau & Glimpel). Clamping device for workpieces or tools with a high concentricity accuracy. 4,801,227, 1-31-89, Cl. 409-234.000.

Glinecke, Robert: *See—*

Radebaugh, Galen W.; Glinecke, Robert; and Julian, Thomas N., 4,806,359, Cl. 424-470.000.

Radebaugh, Galen W.; Murtha, John L.; and Glinecke, Robert, 4,820,522, Cl. 424-468.000.

Glines, James A., to Meyer Plastics, Inc. Article lock. 4,881,386, 11-21-89, Cl. 70-19.000.

Glinka, Jerome: *See—*

Dolfini, Joseph E.; and Glinka, Jerome, 4,810,824, Cl. 568-491.000.

Dolfini, Joseph E.; and Glinka, Jerome, 4,871,881, Cl. 568-491.000.

Glish, Gary L.: *See—*

McLuckey, Scott A.; and Glish, Gary L., 4,849,628, Cl. 250-282.000.

Glisson, Richard R. Adjustable compression bone screw. 4,858,601, 8-22-89, Cl. 128-92.00R.

Glista, Andrew S., Jr. Fault-tolerant fiber optic coupler/repeater for use in high speed data transmission and the like. 4,837,856, 6-6-89, Cl. 455-601.000.

Glitsch, Inc.: *See—*

Chen, Gilbert; Holmes, Timothy L.; Mastrodomenico, Augusto; and Binkley, Michael J., 4,842,778, Cl. 261-97.000.

Glittenberg, Detlev; and Stute, Rolf, to CPC International Inc. Dry food product reconstitutable with cold or hot aqueous liquids and a process for making same. 4,810,517, 3-7-89, Cl. 426-578.000.

Gloaguen, Gilbert, to U.S. Philips Corp. Tri-state logic level converter circuit. 4,864,166, 9-5-89, Cl. 307-475.000.

Global Designs Inc.: *See—*

St. Denis, Carroll R., 4,889,029, Cl. 84-454.000.

Global Holonetics Corporation: *See—*

Hekker, Roeland M. T.; and Livny, Izhak M., 4,878,736, Cl. 350-162.130.

Global Technology, Inc.: *See—*

Stone, Christopher; Graverholt, James M.; Donaldson, Stuart G.; and Bagley, Kevin M., 4,851,655, Cl. 235-58.0CW.

Globe Metallurgical, Inc.: *See—*

Goins, Curtis W., Jr.; and Stanley, Earl K., 4,865,643, Cl. 75-10.630.

Globe Products Inc.: *See—*

Lachey, Richard N., 4,880,173, Cl. 242-1.10R.

Globe-Union Inc.: *See—*

Beauchamp, Richard L.; and Burant, Leonard J., 4,863,484, Cl. 29-623.100.

Binder, Richard R.; Bantz, Paul E.; Tiedemann, William H.; McDonald, Guy D.; and Wruck, William J., 4,859,546, Cl. 429-53.000.

Brilmyer, George H.; and Tiedemann, William H., 4,876,513, Cl. 324-427.000.

Dougherty, Thomas J.; and Johnson, Richard T., 4,816,736, Cl. 320-17.000.

Sindorf, John F., 4,879,191, Cl. 429-181.000.

Globestar Incorporated: *See—*

Lawrence, Gary D., 4,813,556, Cl. 215-11.300.

Globig, Michael A.: *See—*

Wyeth, Richard W.; Johnson, Michael A.; and Globig, Michael A., 4,798,467, Cl. 356-349.000.

Globol-Werk GmbH: *See—*

Hautmann, Horst; Pregler, Bernd; and Schimanski, Georg, 4,844,050, Cl. 126-43.000.

Globus, Alfred R. Iodophor. 4,873,354, 10-10-89, Cl. 558-51.000.

Glock, Gaston. Automatic pistol. 4,825,744, 5-2-89, Cl. 89-145.000.

Glock, Volker; Ebert, Wolfgang; and Meyer, Rolf-Volker, to Bayer Aktiengesellschaft. Process for the preparation of high molecular weight optionally branched polyarylenesulphides. 4,837,301, 6-6-89, Cl. 528-388.000.

Glockenstein, Karl. Wall panel arrangement. 4,881,352, 11-21-89, Cl. 52-239.000.

Glocker, David A.; Hatwar, Tukaram K.; McIntire, Gregory L.; Rao, Srinivas T.; and Sunson, Douglas G., to Eastman Kodak Company. Magnetooptical recording element. 4,877,690, 10-31-89, Cl. 428-627.000.

Glocker, David A.: *See—*

Urban, Carl T.; Lewis, Mark A.; and Glocker, David A., 4,810,858, Cl. 219-469.000.

Glocker, Raymond: *See—*

Stocton, Paul M.; Greive, Michael; and Glocker, Raymond, 4,796,696, Cl. 165-169.000.

Glocker und Greive GmbH: *See—*

Stocton, Paul M.; Greive, Michael; and Glocker, Raymond, 4,796,696, Cl. 165-169.000.

Glockmann, Walter; and Herwig, Thomas, to Heimann GmbH. X-ray scanner for detecting plastic articles. 4,884,289, 11-28-89, Cl. 378-57.000.

Glockner, Charles A.: *See—*

Sorensen, James L.; Yarbro, Mark D.; and Glockner, Charles A., 4,874,534, Cl. 210-803.000.

Glod, Edward F.: *See—*

Ader, Milton; Glod, Edward F.; and Fochtman, Edward G., 4,844,815, Cl. 210-751.000.

Glodis, Paul F.: *See—*

Gartside, Charles H., III; Glodis, Paul F.; and Patel, Parbhubhai D., 4,836,640, Cl. 350-96.230.

Gloeckler, Gerhard; and Schrodin, Klaus. Method of, and apparatus for, regulating ink viscosity in an ink jet printing system. 4,825,228, 4-25-89, Cl. 346-1.100.

Gloede, Joerg: *See—*

Seeboth, Arno; Gloede, Joerg; Koswig, Hans-Dieter; Ladwig, Horst; Obernik, Hartwin; and Seeboth, Helmuth, 4,842,375, Cl. 350-339.00R.

Gloersen, Stig T. Apparatus for treatment of fiber material. 4,836,893, 6-6-89, Cl. 162-237.000.

Gloger, Manfred: *See—*

Maier, Josef; Gloger, Manfred; Hoerschelmann, Detlef V.; Strejcek, Jan; and Heimerl, Sebastian, 4,857,462, Cl. 435-197.000.

Zimmermann, Gerd; Maier, Josef; and Gloger, Manfred, 4,859,602, Cl. 435-280.000.

Glogovsky, Richard, to Ammco Tools, Inc. Tire bead seater. 4,804,029, 2-14-89, Cl. 157-1.100.

Glogowschek, Roland: *See—*

Ewald, Jurgen; Frania, Josef; and Glogowschek, Roland, 4,887,513, Cl. 92-63.000.

Glomb, Kurt; Niggl, Heinz; Pelzl, Leo; and Zell, Karl, to Siemens Aktiengesellschaft. Backplane wiring for electrical assemblies. 4,826,453, 5-2-89, Cl. 439-595.000.

Glomski, Norman J., to Heil Co., The. Refuse container with two-position lid. 4,836,394, 6-6-89, Cl. 220-1.00T.

Glopak Inc.: *See—*

Jones, Elwyn D.; Lauzon, Robert; and Wetter, Bruno, 4,840,6 Cl. 493-28.000.

Glorioso, John D., to Enviro-Gro Technologies. Sludge treatment process. 4,829,678, 5-16-89, Cl. 34-11.000.

Glorioso, John D., to Enviro-Gro Technologies, Inc. Combined sewage and lime sludge treatment process. 4,852,269, 8-1-89, Cl. 34-11.000.

Glorioso, John D., to Enviro-Gro Technologies, Inc. Odor control for a sludge treatment process. 4,860,671, 8-29-89, Cl. 110-236.000.

Glorvigen, Bradley W.: *See—*

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Glory Formosa Co., Ltd.: *See—*

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Huang, Harrison, 4,817,798, Cl. 206-411.000.

Huang, Harrison, 4,825,549, Cl. 30-293.000.

Huang, Harrison, 4,865,223, Cl. 221-259.000.

Glory Kogyo Kabushiki Kaisha: *See—*

Kanayama, Yutaka, 4,875,172, Cl. 364-513.000.

Ohnishi, Kazuhiko; and Naito, Seishi, 4,863,196, Cl. 283-82.00

Takatani, Ichiro; Nakatani, Nobuyuki; and Minami, Shigeru, 4,869,029, Cl. 53-52.000.

Tomiyama, Hiroshi; and Naito, Seishi, 4,855,584, Cl. 235-493.00

Glosecki, David M.: *See—*

Snyder, David A.; and Glosecki, David M., 4,854,798, Cl. 411-434.000.

Glotin, Michel: *See—*

Labaig, Jean-Jacques; Fenie, Michel; and Glotin, Michel, 4,812,27 Cl. 264-80.000.

Gloton, Jean P.; and Peres, Philippe, to Eurotechnique. Method for recycling a card having an incorporated component, and a card designed to permit recycling. 4,810,865, 3-7-89, Cl. 235-487.00

Gloton, Jean P., to Eurotechnique. Card containing a component and a micromodule having side contacts. 4,822,988, 4-18-89, Cl. 235-492.000.

Gloton, Jean P.; and Peres, Philippe, to Eurotechnique. Method of fabrication of a chip carrier package, a flush-contact chip carrier package and an application to cards containing components. 4,864,383, 9-5-89, Cl. 357-68.000.

Gloudemans, Jeffrey M., to Delco Electronics Corporation. Vacuum fluorescent display having integral backlit graphic patterns. 4,882,659, 11-21-89, Cl. 362-61.000.

Glove Corporation, The: *See—*

Sturm, Frank C., 4,847,918, Cl. 2-161.00R.

Glover, Alfred H., to Chrysler Motors Corporation. Motion transducer. 4,806,901, 2-21-89, Cl. 338-42.000.

Glover, Alfred H., and Betterton, Joseph T., to Chrysler Motors Corporation. Instrument drive coupler. 4,822,319, 4-18-89, Cl. 464-101.000.

Glover, Alfred H., to Chrysler Motors Corporation. Connector. 4,836,792, 6-6-89, Cl. 439-81.000.

Glover, Alfred H.; and Lawless, Daniel F., to Chrysler Motors Corporation. Fuel level sensor. 4,841,771, 6-27-89, Cl. 73-317.000.

Glover, Alfred H.; and Lawless, Daniel F., to Chrysler Motors Corporation. Differential pressure fluid level sensor. 4,843,883, 7-4-89, Cl. 73-301.000.

Glover, Alfred H.: *See—*

Betterton, Joseph T.; Glover, Alfred H.; Griffin, Ronald L.; and Kerstiens, Anthony J., 4,805,460, Cl. 73-725.000.

Betterton, Joseph T.; Glover, Alfred H.; and McKee, Thomas S., 4,807,478, Cl. 73-725.000.

Betterton, Joseph T.; Glover, Alfred H.; and Hepler, Bru 4,842,425, Cl. 384-440.000.

Betterton, Joseph T.; Glover, Alfred H.; and Hepler, Bru 4,846,760, Cl. 464-87.000.

Betterton, Joseph T.; Glover, Alfred H.; and Hepler, Bru 4,846,762, Cl. 464-87.000.

Betterton, Joseph T.; Glover, Alfred H.; McKee, Thomas S.; and Romanczuk, Chris S., 4,886,033, Cl. 123-574.000.

Glover, Brian H.: *See—*

Hamilton, Kris P.; Glover, Brian H.; Halgren, Larry R.; and Mil Warren S., 4,848,260, Cl. 114-266.000.

Glover, Douglas W.; Granitz, Richard F.; Harner, Donald R.; Kemberg, Earl R.; Vinson, Paul; Wanat, John W.; and Wolowicz, James P., to AMP Incorporated. Power connector system for daughter cards in card cages. 4,846,699, 7-11-89, Cl. 439-64.000.

Glover, Douglas W.; and Granitz, Richard F., to AMP Incorporated. Reference conductor for improving signal integrity in electrical connectors. 4,846,727, 7-11-89, Cl. 439-608.000.

Glover, Gary H., to General Electric Company. Method for producing multi-slice NMR images. 4,843,322, 6-27-89, Cl. 324-309.000.

Glover, George I.; McWherter, Charles A.; and Schasteen, Charles S., to Monsanto Company. Serine protease inhibitors. 4,829,052, 5-9-8 Cl. 514-12.000.

Glover, Henry. Sketching device. 4,865,547, 9-12-89, Cl. 434-85.000.

Glover, Michael; and Reichert, Gerhard. Multiple layer insulated glazing units. 4,831,799, 5-23-89, Cl. 52-172.000.

Glover, Neal; and Dudley, Trent, to Data Systems Technology Corp. Fast remainder decoding for a Reed-Solomon code. 4,839,896, 6-13-89, Cl. 371-37.000.

Glover, Paul E., to BCL Limited. Multilayer carrier films. 4,861,654, 8-29-89, Cl. 428-287.000.

Glover, Ralph S. Impact car cover. 4,807,922, 2-28-89, Cl. 296-136.000.

Glover, Robert L.; and Bland, Verle V., to Electric Power Research Institute, Inc. System and method for monitoring wet bulb temperature in a flue gas stream. 4,809,537, 3-7-89, Cl. 73-29.000.

Glover, Shedric O.; and Graiver, Daniel, to Dow Corning Corporation. High polymer content silicone emulsions. 4,824,877, 4-25-89, Cl. 523-221.000.

Glover, Shedric O.; and Graiver, Daniel, to Dow Corning Corporation. Film forming silicone microemulsions. 4,824,890, 4-25-89, Cl. 524-253.000.

Glover, William: *See—*

Kearnes, Thom; Wennerstrom, Joel; and Glover, William, 4,857,240, Cl. 261-26.000.

Glowacki, Pierre A.: *See—*

Asselin, Jean-Claude; and Glowacki, Pierre A., 4,863,354, Cl. 416-245.00R.

Daguet, Alain P. M.; Glowacki, Pierre A.; and Lassignardie, Herve, 4,870,826, Cl. 60-751.000.

Glowczewskie, Frank P., Jr.; and Present, David A., to Osteotech, Inc. Medical and surgical procedure pack. 4,844,259, 7-4-89, Cl. 206-370.000.

Glowczewskie, Frank P., Jr.; Litwak, Alfred A.; Grooms, Jamie M.; and Lyle, John W., to Osteotech, Inc. Osteoprosthesis for cadaver, and method. 4,863,473, 9-5-89, Cl. 623-16.000.

Gloyer, Jens: *See—*

Hentschel, Volker; Verstegen, Clemens; Gloyer, Jens; and Bebenderde, Siegmund, 4,856,936, Cl. 405-145.000.

Gloyer, Walter W. Disposable syringe. 4,832,693, 5-23-89, Cl. 604-110.000.

Gluck, David G.; Soukup, Thomas G.; and Moore, William J., to Celotex Corporation, The. Carbon black-filled foam. 4,795,763, 1-3-89, Cl. 521-99.000.

Gluck, Franz: *See—*

Blumentritt, Martin; Gerlinger, Hermann; Schneider, Horst; and Gluck, Franz, 4,805,993, Cl. 350-321.000.

Gluck, Frederick G.: *See—*

Morrison, Gordon E.; Brooks, Christopher B.; and Gluck, Frederick G., 4,847,755, Cl. 364-200.000.

Gluck, Herbert: *See—*

Roth, Michael; and Gluck, Herbert, 4,835,014, Cl. 427-299.000.

Gluck, Julius; Murphy, Patrick; and Tran, Duc H., to Pitney Bowes, Inc. Thermal transfer printing apparatus including means for controlling printing on irregularly-shaped letters. 4,855,756, 8-8-89, Cl. 346-76.0PH.

Gluck, Julius: *See—*

Berson, William; Gluck, Julius; Murphy, Patrick; and Tran, Duc H., 4,860,025, Cl. 346-1.100.

Gluck, Ronald; and Hamblen, David P., to Eastman Kodak Company. Gaseous cleaning method for silicon devices. 4,849,375, 7-18-89, Cl. 437-225.000.

Gluckman, Jack L., to University of Cincinnati. Method of laser treatment of cancerization of the oral cavity. 4,840,174, 6-20-89, Cl. 128-303.100.

Gluckman, Dov Z.; and Pezaris, Constantine D., to Environmental Fragrance Technologies, Ltd. Aroma generating apparatus and driver circuit. 4,795,883, 1-3-89, Cl. 219-272.000.

Gluckman, Dov Z., to Environmental Fragrance Technologies, Ltd. Aroma diffuser assembly. 4,804,821, 2-14-89, Cl. 219-271.000.

Gluckman, Dov Z. Water distilling apparatus. 4,818,344, 4-4-89, Cl. 202-176.000.

Gluckman, Dov Z.; Cohen, Paul K.; and Ratzlaff, Jorg. Illuminated picture frame. 4,819,353, 4-11-89, Cl. 40-152.200.

Glue, William J., to Britax Wingard Limited. Exterior rear view mirror. 4,854,539, 8-8-89, Cl. 248-479.000.

Glugla, Manfred: *See—*

Penzhorn, Ralf-Dieter; Glugla, Manfred; and Schuster, Peter, 4,849,155, Cl. 376-146.000.

Gluntz, Claude: *See—*

Benedetti, Charles; Gluntz, Claude; Pascal, Robert; and Stefanini, Michel, 4,855,053, Cl. 210-634.000.

Gluntz, Douglas M., to General Electric Company. Nuclear boiling water reactor upper plenum with lateral throughpipes. 4,810,460, 3-7-89, Cl. 376-282.000.

Gluntz, Douglas M., to General Electric Company. Shroud tank and fill pipe for a boiling water nuclear reactor. 4,812,286, 3-14-89, Cl. 376-282.000.

Gluntz, Douglas M.; and Black, James C., to General Electric Company. Turbine-generator shaft-coupled auxiliary generators supplying short-duration electrical loads for an emergency coolant injection system. 4,818,475, 4-4-89, Cl. 376-282.000.

Gluntz, Douglas M., to General Electric Company. Isolation condenser with shutdown cooling system heat exchanger. 4,830,815, 5-16-89, Cl. 376-299.000.

Gluntz, Douglas M., to General Electric Company. Steam-assisted jet pump. 4,847,043, 7-11-89, Cl. 376-372.000.

Glushkov, Robert G.: *See—*

Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,839,380, Cl. 517-424.000.

Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,876,360, Cl. 548-550.000.

Gluzerman, Boris; Lakatos, Nicholas; and Hensler, Paul W., to Edward Weck Incorporated. Beam deflector. 4,887,894, 12-19-89, Cl. 350-636.000.

Glyco-Antriebstechnik GmbH: *See—*

Stich, Bodo; and Adamowicz, Slawomir, 4,844,124, Cl. 137-580.000.

Glyco-Metall-Werke Daelen & Loos GmbH: *See—*

Hodes, Erich; and Goerke, Klaus, 4,830,933, Cl. 428-646.000.

Hodes, Erich; and Goerke, Klaus, 4,832,809, Cl. 204-192.150.

Roemer, Erich; Kuhn, Matthaus; and Maurer, Leonhard, 4,872,248, Cl. 29-149.5DP.

Glyme Valley Technology Limited: *See—*

Turner, Robert C.; and Holman, Rury R., 4,817,603, Cl. 128-329.00R.

Glynn, William: *See—*

Denny, David S.; Metzger, Edward R.; Rexroad, John; and Glynn, William, 4,815,562, Cl. 182-138.000.

Denny, David S.; Metzger, Edward C. R.; Rexroad, John; and Glynn, William, 4,875,549, Cl. 182-138.000.

Glynwed Tubes & Fittings Limited: *See—*

Ewen, Alexander T. E.; and Hewitt, David A., 4,806,181, Cl. 156-64.000.

Glyzinc Pharmaceuticals Limited: *See—*

Taylor, Reginald M.; and Brock, Alan J., 4,876,278, Cl. 514-494.000.

GM of Canada Limited: *See—*

Hepp, Ludwig K., 4,842,114, Cl. 192-56.00F.

Gmeinder, Hermann, to Kaltenbach & Voigt GmbH & Co. Foot-operated starter for a dental treatment location. 4,830,613, 5-16-89, Cl. 433-28.000.

Gmeiner, Paul: *See—*

Oesch, Gustav; Gmeiner, Paul; and Hofer, Urs, 4,879,004, Cl. 203-89.000.

Gmeiner, Peter: *See—*

Eiden, Friedrich; Gmeiner, Peter; and Schunemann, Jurgen, 4,859,664, Cl. 514-217.000.

Gmelin, Karl: *See—*

Bassler, Helmut; Gmelin, Karl; and Ehrentraut, Heinz, 4,844,036, Cl. 123-470.000.

GMF Robotics Corporation: *See—*

Akeel, Hadi A., 4,805,477, Cl. 74-479.000.

Akeel, Hadi A.; Bartlett, Donald S.; and Poynter, William H., Jr., 4,807,486, Cl. 74-479.000.

Haba, Anthony R., Jr.; Clough, S. Craig; Koeske, Ronald E.; and Maxwell, Richard P., Jr., 4,815,190, Cl. 29-430.000.

GMI Engineering & Management Institute: *See—*

Corser, George; Hammond, Gary C.; and Eddy, Dale P., 4,838,093, Cl. 73-861.530.

Hammond, Gary C.; Corser, George A.; and Eddy, Dale P., 4,860,594, Cl. 73-861.420.

Salmon, Michael E.; and Nemazi, John E., 4,802,605, Cl. 220-338.000.

GMI Engrg. & Mgmt. Institute: *See—*

Chandrupatla, Tirupathi R., 4,854,925, Cl. 474-212.000.

Gmitter, Thomas J.; and Yablonovitch, Eli, to Bell Communications Research, Inc. Method for lifting-off epitaxial films. 4,846,931, 7-11-89, Cl. 156-633.000.

Gmitter, Thomas J.; and Yablonovitch, Eli, to Bell Communications Research, Inc. Lift-off and subsequent bonding of epitaxial films. 4,883,561, 11-28-89, Cl. 156-633.000.

Gmitter, Thomas J.: *See—*

Yablonovitch, Eli; and Gmitter, Thomas J., 4,843,037, Cl. 437-235.000.

GMN Georg Muller Nurnberg AG: *See—*

Feldmeier, Fritz, 4,881,518, Cl. 125-14.000.

GMN Georg Muller Nurnberg GmbH: *See—*

Liebel, Christian; and Meyer, Udo, 4,850,472, Cl. 198-409.000.

Gmohling, Werner: *See—*

Meichsner, Walter; Gmohling, Werner; Tutte, Manfred; and Peters, Karl-Heinz, 4,832,739, Cl. 75-58.000.

Gmoser, Johann; Paar, Willibald; and Honel, Michael, to Vianova Kunstharz, A.G. Self-crosslinking cationic paint binders containing urea and urethane groups and process of manufacture. 4,845,171, 7-4-89, Cl. 525-452.000.

Gmoser, Johann: *See—*

Paar, Willibald; Honel, Michael; and Gmoser, Johann, 4,845,170, Cl. 525-452.000.

GMS Engineering Corporation: *See—*

Samaras, George M.; and Falk, Steven M., 4,858,616, Cl. 128-680.000.

Gnadinger, Alfred P.: *See—*

Lyndon-James, Ross; Gnadinger, Alfred P.; Black, Donald L.; and de Araujo, Carlos P., 4,888,543, Cl. 368-10.000.

Gnann, Alfred, to Index-Werke Komm.-Ges. Hahn & Tessky. Method and apparatus for checking performance of a cutting-off operation. 4,831,907, 5-23-89, Cl. 82-47.000.

Gnatowski, Marek J.: *See—*

Knudson, Robert M.; and Gnatowski, Marek J., 4,879,083, Cl. 264-122.000.

GNB Incorporated: *See—*

Kump, William H.; and Sahli, Richard M., 4,851,305, Cl. 429-84.000.

Gnoss, Heinz, to Robert Bosch GmbH. Air flow rate meter. 4,887,462, 12-19-89, Cl. 73-118.200.

Gnekow, Barry R., to Ariel Vineyards, Inc. Simultaneous double reverse osmosis process for production of low and non-alcoholic beverages. 4,888,189, 12-19-89, Cl. 426-231.000.

Gneuss, Detlef, to Gneuss Kunststofftechnik GmbH. Screening device for purifying plastic melts. 4,850,840, 7-25-89, Cl. 425-182.000.

Gneuss Kunststofftechnik GmbH: *See—*
  Gneuss, Detlef, 4,850,840, Cl. 425-182.000.

Gnidovec, Joze: *See—*
  Kobe, Joze; Gnidovec, Joze; and Zupet, Pavle, 4,826,981, Cl. 544-276.000.

GNS Gesellschaft Fur Nuklear-Service MBH: *See—*
  Baatz, Henning; and Methling, Dieter, 4,866,286, Cl. 250-507.100.

Gnyra, Bohdan, to Alcan International Limited. Insulating lightweight refractory materials. 4,873,209, 10-10-89, Cl. 501-95.000.

Gnyra, Bohdan: *See—*
  Hudson, Tom J.; McIntyre, John; Tremblay, Pierre; Allaire, Claude; and Gnyra, Bohdan, 4,877,507, Cl. 204-243.00R.

Go, Hiromi: *See—*
  Okamoto, Isao; Terada, Katsuyuki; Go, Hiromi; Sebata, Michio; Higaki, Hiroshi; and Takai, Hideo, 4,802,418, Cl. 105-167.000.

Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, to Nippon Zoki Pharmaceutical Co., Ltd. 5-substituted pyrido[2,3-d]pyrimidine-2,4-diones. 4,808,587, 2-28-89, Cl. 514-258.000.

Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, to Nippon Zoki Pharmaceutical Co., Ltd. Substituted 1,3-dialkylpyrido[4,3-d]pyrimidine-2,4-diones. 4,808,618, 2-28-89, Cl. 514-258.000.

Go, Mutsukazu: *See—*
  Shinjo, Kinichi; and Go, Mutsukazu, 4,885,959, Cl. 74-801.000.

Goad, Conrad D.; and Taylor, Jeffrey L., to Precision Fabrics Group; and Standard Textile Company, Inc. Woven medical fabric. 4,822,667, 4-18-89, Cl. 428-265.000.

Goad, Eugine W.; and Drube, John V., to Industrial Design & Engineering Associates. Lid support for food warming vessels. 4,847,949, 7-18-89, Cl. 16-252.000.

Goans, Kip B. First trip indicator for sensing devices of production control and safety systems. 4,831,957, 5-23-89, Cl. 116-272.000.

Goans, Kip B. Buoyancy operable liquid level sensor for controlling an alarm pressure fluid supply responsive to changes of liquid level in a pressure vessel. 4,838,303, 6-13-89, Cl. 137-423.000.

Goans, Kip B., to Lazes, Richard. Anti-extrusion sealing means. 4,852,394, 8-1-89, Cl. 73-49.800.

Goatman, Michael C., to U.S. Philips Corporation. Telephone housing section assembled from a plurality of identical subsections. 4,868,875, 9-19-89, Cl. 379-429.000.

Gobara, Yoshio: *See—*
  Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gobara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.

Gobbini, Mauro: *See—*
  Chiodini, Laura; Gobbini, Mauro; Mantegani, Sergio; Ruggieri, Daniel; Temperilli, Aldemio; Traquandi, Gabriella; and Ferrari, Patrizia, 4,882,315, Cl. 514-26.000.
  Temperilli, Aldemio; Brambilla, Enzo; Gobbini, Mauro; and Cervini, Maria A., 4,843,073, Cl. 514-288.000.

Gobel, Armin; Graff, Knut; Meier, Hans-Ulrich; and Patzschke, Hans-Peter, to Herberts Gesellschaft mit beschrankter. Aqueous coating compositions, a process for their preparation and method of using the same. 4,880,867, 11-14-89, Cl. 524-507.000.

Gobel, Armin: *See—*
  Hendriks, Georg; Patzschke, Hans-Peter; and Gobel, Armin, 4,865,705, Cl. 204-181.700.

Gobel, Gerd, to Henkel Kommanditgesellschaft auf Aktien. Process for the continuous hydrogenation of fats, fatty acids and fatty acid derivatives in the presence of a heterogeneous catalyst. 4,847,016, 7-11-89, Cl. 200-409.000.

Gobel, Richard J., to Beloit Corporation. Flight arrangement for rotary drum dryers. 4,860,462, 8-29-89, Cl. 34-108.000.

Gobel, Rudolf: *See—*
  Alt, Claus-Christian; Gobel, Rudolf; Koch, Heinz; Niechoj, Wolfgang; Grossmann, Theodor; and Deffner, Felix, 4,877,258, Cl. 277-212.0FB.

Gobel, Wilhelm: *See—*
  Obrecht, Werner; Wendling, Peter; Gobel, Wilhelm; and Muller, Eberhard, 4,814,401, Cl. 526-204.000.

Gober, Norbert, to Eumuco Aktiengesellschaft fur Maschinenbau. Metal forming machine having a stroke position adjusting assembly. 4,819,474, 4-11-89, Cl. 72-441.000.

Gobert, Jean; Geerts, Jean-Pierre; and Dodson, Guy, to UCB Societe Anonyme. (S)-alpha-ethyl-2-oxo-1-pyrrolidineacetamide compositions. 4,837,223, 6-6-89, Cl. 514-424.000.

Gobert, Jean; Giurgea, Corneliu; Geerts, Jean-Pierre; and Bodson, Guy, to UCB Societe Anonyme. (R)-alpha-ethyl-2-oxo-1-pyrrolidineacetamide compositions. 4,837,224, 6-6-89, Cl. 514-424.000.

Gobert, Jean: *See—*
  Cossement, Eric; Geerts, Jean-Pierre; Gobert, Jean; and Michel, Philippe, 4,814,343, Cl. 514-397.000.

Gobets, Roy A.; and Tengler, John N., to Minnesota Mining & Manufacturing Company. Tapered strain relief electrical interconnection system. 4,871,318, 10-3-89, Cl. 439-76.000.

Goble, E. Marlowe; and Somers, W. Karl. Ligament anchor system. 4,870,957, 10-3-89, Cl. 128-92.0YF.

Goble, Fiorenza & Tenan, A partnership: *See—*
  Goble, Jon A., 4,858,695, Cl. 169-62.000.

Goble, Jon A., to Goble, Fiorenza & Tenan, A partnership. Safe entry apparatus. 4,858,695, 8-22-89, Cl. 169-62.000.

Goble, Ralph W. Mill for pulverizing rock and other material. 4,886,216, 12-12-89, Cl. 241-152.00R.

Goble, Rowland H. Multipurpose structure. 4,804,176, 2-14-89, Cl. 272-54.000.

Goble, Rowland H. Multipurpose structure. 4,877,237, 10-31-89, Cl. 272-54.000.

Gobralev, Nikolai N.: *See—*
  Sivachenko, Leonid A.; Balovnev, Vladilen I.; Surovegin, Jury V.; Maximenko, Alexei N.; Moiseenko, Vladimir V.; and Gobralev, Nikolai N., 4,827,455, Cl. 366-292.000.

Gobrecht, Jens; Roggwiller, Peter; Sittig, Roland; and Voboril, Jan, to BBC Brown, Boveri & Company, Limited. Process for manufacturing a power semiconductor component. 4,801,554, 1-31-89, Cl. 437-6.000.

Gobrecht, Jens: *See—*
  Abbas, C. Christiaan; Gobrecht, Jens; Voboril, Jan; and Gruning, Horst, 4,849,800, Cl. 357-38.000.
  Broich, Bruno; Gobrecht, Jens; Roggwiller, Peter; and Voboril, Jan, 4,829,348, Cl. 357-22.000.

Gobush, William, to Acushnet Company. Multiple dimple golf ball. 4,804,189, 2-14-89, Cl. 273-232.000.

Gobush, William; Berard, Raymond A.; Brown, Robert A.; and Jepson, John W., to Acushnet Company. Low trajectory long distance golf ball. 4,858,923, 8-22-89, Cl. 273-62.000.

Gocht, Ronald E.: *See—*
  Woods, Daniel F.; Gocht, Ronald E.; Higgins, Peter M.; Edwards, Anne M.; Rowlands, Hugh; Scanlon, Edward F.; and Peter, Jerry, 4,813,077, Cl. 382-7.000.

Gockel, Ulrich: *See—*
  Denzinger, Walter; Hartmann, Heinrich; Gockel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, 4,886,859, Cl. 525-327.800.

Gocking, Wolfgang: *See—*
  Wietschorke-Muhsold, Stephan; and Gocking, Wolfgang, 4,858,639, Cl. 137-116.500.

Gockler, Heinz, to ANT Nachrichtentechnik GmbH. Digital filter tree. 4,839,889, 6-13-89, Cl. 370-70.000.

Goda, Hiroshi: *See—*
  Kato, Kunioki; Kawamura, Masao; Goda, Hiroshi; Sawada, Kiyoshi; and Hamatani, Kazuhiro, 4,853,158, Cl. 562-46.000.

Goda, Kensuke: *See—*
  Deguchi, Naoyasu; Kamei, Sadao; Goda, Kensuke; Shu, Sadanobu; and Hayashi, Yasuhiro, 4,886,738, Cl. 430-510.000.

Goda, Marahiro: *See—*
  Soga, Tasao; Goda, Marahiro; Nakano, Fumio; Kushima, Tadao; Ushifusa, Nobuyuki; Kobayashi, Fumiyuki; and Sawaki, Mamoru, 4,825,284, Cl. 357-80.000.

Goda, Naofumi: *See—*
  Kikuchi, Hiroaki; Asano, Kenichi; Tanno, Okikazu; and Goda, Naofumi, 4,809,067, Cl. 358-135.000.

Goda, Shigeru, to Daiwa Shinku Corporation. Remote control system for a display apparatus. 4,806,784, 2-21-89, Cl. 307-125.000.

Godai Embody Co., Ltd.: *See—*
  Kitamura, Shiro; Koizumi, Junji; and Yamada, Kiyoshi, 4,816,67[illegible], Cl. 250-227.000.

Godard, Dominique: *See—*
  Belloc, Jacques; Morlec, Emile; Godard, Dominique; and Quinte, Michel, 4,887,257, Cl. 370-32.100.
  Belloc, Jacques; Godard, Dominique; Morlec, Emile; and Quinte, Michel, 4,887,258, Cl. 370-32.100.

Godau, Claus: *See—*
  Becker, Wilhelm; and Godau, Claus, 4,886,845, Cl. 523-403.000.
  Brindopke, Gerhard; Godau, Claus; and Weber, Walter, 4,859,7[illegible], Cl. 558-398.000.

Godbehere, Don W.: *See—*
  Lowery, Richard E.; Fentress, Denton C.; and Godbehere, Don W., 4,804,496, Cl. 252-363.500.

Godbersen, Byron L. Winch assembly for use with a boat trailer or the like. 4,802,685, 2-7-89, Cl. 280-414.100.

Godbersen, Byron L. Boat trailer with pivotal keel and hull supports. 4,820,111, 4-11-89, Cl. 414-534.000.

Godbersen, Byron L. Load guide for a boat trailer. 4,836,569, 6-6-89, Cl. 280-414.100.

Godbersen, Byron L. Boat trailer hull and keel supporting assembly. 4,875,701, 10-24-89, Cl. 280-414.100.

Goddard, David M.; and Sexton, Richard W., to Fiber Materials, Inc. Method of preparing metal matrix composite materials using metallo-organic solutions for fiber pre-treatment. 4,831,707, 5-23-89, Cl. 29-419.100.

Goddard, Donald G.: *See—*
  Bazil, John C.; and Goddard, Donald G., 4,825,097, Cl. 307-272.200.

Goddard, Errol D.: *See—*
  Leung, Pak S.; Goddard, Errol D.; and Ancker, Fred H., 4,857,59[illegible], Cl. 525-92.000.

Goddard Industries, Inc.: *See—*
  Nelson, Donald R., 4,844,411, Cl. 251-214.000.

Goddard, John; and Taylor, Peter, to Plessey Overseas Limited. Fuel supply systems. 4,883,410, 11-28-89, Cl. 417-69.000.

Goddard, John, to Rolls Royce plc. Oscillating mechanism. 4,884,77[illegible], 12-5-89, Cl. 228-2.000.

Goddard, John D.: *See—*
  Buckland, Paul R.; and Goddard, John D., 4,824,771, Cl. 430-388.000.

Goddard, Larry D., to Goddard Technology Corporation. Image storage and retrieval apparatus. 4,823,196, 4-18-89, Cl. 358-310.000.

Goddard, Peggy L.: *See—*
  Scott, Douglas R.; Goddard, Peggy L.; and Wagner, Joseph P., 4,799,301, Cl. 29-25.350.

Goddard, Robert M.: *See—*
  Callahan, Michael; Chester, John K.; and Goddard, Robert M., 4,823,069, Cl. 323-235.000.

Goddard Technology Corporation: *See—*
  Goddard, Larry D., 4,823,196, Cl. 358-310.000.

Godden, David: *See—*
  Bowman, Kenneth A.; Maslin, Roger F.; Godden, David; and Ripper, Jonathan H., 4,831,926, Cl. 101-138.000.

Godec, Richard D.: *See—*
  Blades, Frederick K.; and Godec, Richard D., 4,868,127, Cl. 436-146.000.

Godecke Aktiengesellschaft: *See—*
  Satzinger, Gerhard; Herrmann, Manfred; Fritschi, Edgar; and Weershausen, Ute, 4,816,485, Cl. 514-619.000.
  Satzinger, Gerhard; Herrmann, Manfred; Fritschi, Edgar; and Weershausen, Ute, 4,857,662, Cl. 564-168.000.

Godecker, William J.: *See—*
  Wehner, Jeffrey M.; Betterga, James L.; Biagini, Guido; Godecker, William J.; and Wigmore, David B., 4,869,071, Cl. 62-133.000.

Godfrey, Charles E. Window tray assembly. 4,862,812, 9-5-89, Cl. 108-47.000.

Godfrey, Christopher A.: *See—*
  Anthony, Vivienne M.; Clough, John M.; and Godfrey, Christopher A., 4,877,811, Cl. 514-522.000.

Godfrey, Christopher R. A.: *See—*
  Anthony, Vivienne M.; Clough, John M.; Godfrey, Christopher R. A.; and de Fraine, Paul J., 4,812,162, Cl. 71-90.000.
  Anthony, Vivienne M.; Clough, John M.; deFraine, Paul; Godfrey, Christopher R. A.; Crowley, Patrick J.; and Anderton, Kenneth, 4,826,531, Cl. 71-94.000.
  Anthony, Vivienne M.; Clough, John M.; and Godfrey, Christopher R. A., 4,857,545, Cl. 514-452.000.
  Anthony, Vivienne M.; Clough, John M.; de Fraine, Paul; Godfrey, Christopher R. A.; and Beautement, Kevin, 4,863,503, Cl. 71-90.000.
  Anthony, Vivienne M.; Clough, John M.; DeFraine, Paul; and Godfrey, Christopher R. A., 4,876,264, Cl. 514-345.000.
  Clough, John; and Godfrey, Christopher R. A., 4,802,913, Cl. 71-111.000.
  Clough, John M.; and Godfrey, Christopher R. A., 4,870,075, Cl. 514-255.000.
  Clough, John M.; Godfrey, Christopher R. A.; de Fraine, Paul J.; and Snell, Brian K., 4,883,807, Cl. 514-427.000.

Godfrey, Jamie E. Apparatuses and methods for analyzing macro-ions at electrophoretic steady state. 4,801,366, 1-31-89, Cl. 204-180.100.

Godfrey, Jollie D.; Mueller, Richard H.; and Zahler, Robert, to E. R. Squibb & Sons, Inc. Process for making 2-oxo-1-((substituted sulfonyl)amino)carbonyl)azetidines and intermediates used therein. 4,889,930, 12-26-89, Cl. 540-363.000.

Godfrey, Otis W.: *See—*
  Ingolia, Thomas D.; Queener, Stephen W.; Samson, Suellen M.; Skatrud, Paul L.; and Godfrey, Otis W., 4,885,251, Cl. 435-183.000.

Godfrey, Otis W., Jr.: *See—*
  Eaton, Tom E.; Ford, Lynda M.; Godfrey, Otis W., Jr.; Huber, Mary L. B.; and Zmijewski, Milton J., Jr., 4,800,157, Cl. 435-71.000.

Godfrey, Richard H.: *See—*
  D'Amato, Ralph J.; Godfrey, Richard H.; Morrell, Albert M.; and Ragland, Frank R., Jr., 4,887,001, Cl. 313-461.000.

Godfrey, Thomas E., to Milliken Research Corporation. Calendering process for polyester fabric. 4,872,276, 10-10-89, Cl. 38-101.000.

Godfrey, Wayne G.: *See—*
  Elander, Jay C.; and Godfrey, Wayne G., 4,805,280, Cl. 29-149.5DP.

Godfroid, Jean-Jacques; Heymans, Francoise; and Braquet, Pierre, to Societe de Conseils de Recherches et d'Applications Scientifiques (S.C.R.A.S.). 5-oxy derivatives of tetrahydrofuran. 4,888,337, 12-19-89, Cl. 514-326.000.

Godfroid, Jean-Jacques; and Braquet, Pierre, to Societe de Conseils de Recherches et d'Applications Scientifiques (S.C.R.A.S.). 5-Methoxy alkyl ammonium tetrahydrofurans and tetrahydrothiophenes as anti-PAF agents. 4,888,338, 12-19-89, Cl. 514-336.000.

Goding, David J.; and Rassaian, Mostafa, to General Motors Corporation. Railway locomotive and stabilized self steering truck therefor. 4,841,873, 6-27-89, Cl. 105-168.000.

Godkin, Mikhail; and Kimble, Jack, to BEI Electronics, Inc. Moving coil linear actuator with interleaved magnetic circuits. 4,808,955, 2-28-89, Cl. 335-222.000.

Godlew, David P.: *See—*
  Damon, Gerald D.; and Godlew, David P., 4,874,074, Cl. 192-106.200.

Godley, John H.: *See—*
  Vader, John P.; Johnson, Jerry E.; Hocker, Lon O.; and Godley, John H., 4,815,822, Cl. 340-825.150.

Godlove, Ronald E.; Thompson, Robert L.; and Urso, Charles J., Jr., to Xerox Corporation. Erase lamp with plural electrodes. 4,806,975, 2-21-89, Cl. 355-7.000.

Godly, Gordon, to Rich Art Color Company, Inc. Stain-free tempera paints. 4,826,535, 5-2-89, Cl. 106-209.000.

Godo, Kiyoshi: *See—*
  Osada, Shuichi; Hayashi, Satoru; Goto, Masaru; and Godo, Kiyoshi, 4,854,529, Cl. 246-187.00B.

Godolphin, William J.: *See—*
  McEwen, James A.; Godolphin, William J.; Bohl, Rainer M.; Dance, Mark N.; Furse, Martin L.; and Osborne, John C., 4,828,716, Cl. 210-740.000.

Godon, Gerard, to Societe d'Applications des Machines Motrices. Torque motor with hydraulic potentiometer for servo-distributor. 4,794,941, 1-3-89, Cl. 137-82.000.

Godsell, Alan J.: *See—*
  Fray, Derek J.; and Godsell, Alan J., 4,857,156, Cl. 204-64.00R.

Godtfredsen, Sven E.; and Bjorkling, Fredrik, to Novo Industri A/S. Enzymatic method for preparation of epoxy compounds. 4,859,589, 8-22-89, Cl. 435-73.000.

Godtfredsen, Wagn O.; and von Daehne, Welf, to Leo Pharmaceutical Products Ltd. Crystalline penicillin derivative tosylate hydrates. 4,831,025, 5-16-89, Cl. 514-195.000.

Godtfredsen, Wagn O.; and von Daehne, Welf, to Leo Pharmaceutical Products Ltd. Antibacterial beta-lactams, pharmaceuticals thereof and methods of using them. 4,840,944, 6-20-89, Cl. 514-195.000.

Godtfredsen, Wagn O.; and von Daehne, Welf, to Leo Pharmaceutical Products Ltd. Crystalline 1,1-dioxopenicillanoyloxymethyl 6-(d-amino-phenylacetamido)penicillanate napsylate and method of using the same. 4,882,325, 11-21-89, Cl. 514-195.000.

Godwin, Darwin D. Peristaltic pump. 4,834,630, 5-30-89, Cl. 417-475.000.

Godwin, Jimmy D.: *See—*
  McCaslin, Martin J.; and Godwin, Jimmy D., 4,828,371, Cl. 350-421.000.

Godziemba-Maliszewski, Jerzy, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Alloy foil for diffusion welding silicon carbide molded parts together or with ceramic or metal parts. 4,851,299, 7-25-89, Cl. 428-606.000.

Goe, Gerald L.; Bailey, Thomas D.; and Beadle, James R., to Reilly Tar & Chemical Corporation. Insoluble complex oxidation catalysts. 4,839,323, 6-13-89, Cl. 502-159.000.

Goe, Melvin B., Jr.: *See—*
  Thompson, Parke, Jr.; Beard, Lloyd R.; and Goe, Melvin B., Jr., 4,804,809, Cl. 200-17.00R.

Goebbels, Heinz-Dieter: *See—*
  Raasch, Hans; Schlosser, Helmut; Ruge, Joachim; Goebbels, Heinz-Dieter; Lassmann, Manfred; and Schippers, Norbert, 4,825,632, Cl. 57-264.000.

Goebel, Armin: *See—*
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Goebel, Dan M.: *See—*
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Goebel, Eickhart, to Hofmann Werkstatt Technik GmbH. Method and apparatus for optimization of running conditions of an automobile wheel. 4,817,429, 4-4-89, Cl. 73-459.000.

Goebel, Gerd: *See—*
  Pfeiffer, Hans; Biermann, Manfred; Schroeder, Peter; Goebel, Gerd; and Mueller, Annemarie, 4,820,517, Cl. 424-195.100.
  Pohl, Joachim; Carduck, Franz-Josef; and Goebel, Gerd, 4,855,273, Cl. 502-244.000.

Goebel, Johannes: *See—*
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Goebel, Joseph A.: *See—*
  Rosenthal, Dan G.; and Goebel, Joseph A., 4,816,347, Cl. 428-615.000.

Goebel, Reiner: *See—*
  Eiermann, Kurt; Goebel, Reiner; Gries, Peter; and Hohenstatt, Martin, 4,805,452, Cl. 73-204.260.

Goebels, Hermann-Josef; and Emig, Reiner, to Robert Bosch GmbH. Dual-circuit brake system. 4,819,998, 4-11-89, Cl. 303-118.000.

Goeckel, Ulrich; Petersen, Harro; Osterloh, Rolf; Schupp, Eberhard; Loch, Werner; and Schwerzel, Thomas, to BASF Aktiengesellschaft. Reaction products and condensates based on substituted propyleneureas and their preparation. 4,855,394, 8-8-89, Cl. 528-263.000.

Goeckel, Ulrich: *See—*
  Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, 4,818,794, Cl. 525-327.800.
  Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Winkler, Ekhard; and Raubenheimer, Hans-Juergen, 4,818,795, Cl. 525-327.800.

Goeckeler, William F.: *See—*
  Kaplan, Donald A.; and Goeckeler, William F., 4,853,209, Cl. 424-1.100.

Goeckler, Heinz; and Alberty, Thomas, to ANT Nachrichtentechnik GmbH. Multicarrier demodulator. 4,881,222, 11-14-89, Cl. 370-70.000.

Goeddel, David V.; and Pestka, Sidney, to Hoffmann-La Roche Inc.; and Genentech, Inc. Microbial production of mature human leukocyte interferon K and L. 4,801,685, 1-31-89, Cl. 530-351.000.

Goeddel, David V.; and Pestka, Sidney, to Hoffmann-La Roche Inc.; and Genentech, Inc. Microbial production of mature human leukocyte interferon K and L. 4,810,645, 3-7-89, Cl. 435-68.000.

Goeddel, David V.; Kohr, William J.; Pennica, Diane; and Vehar, Gordon A., to Genentech, Inc. Human tissue plasminogen activator. 4,853,330, 8-1-89, Cl. 435-226.000.

Goeddel, David V.: *See—*

Derynck, Rik M. A.; and Goeddel, David V., 4,886,747, Cl. 435-69.400.

Goedecke Aktiengesellschaft: *See—*

Trostmann, Uwe; Schachtele, Christoph; Mannhardt, Karl; Rudolph, Claus; and Marme Dieter, 4,855,489, Cl. 560-250.000.

Weiershausen, Ute; Ganser, Volker; and Satzinger, Gerhard, 4,861,770, Cl. 514-211.000.

Goedecke, Hans J. Gas- and liquid-tight fastener. 4,875,258, 10-24-89, Cl. 24-389.000.

Goedecke, Hartmut, to Kernforschungszentrum Karlsruhe GmbH and Pipetronix GmbH. Apparatus for the measurement and non-destructive material testing of laid pipelines. 4,807,484, 2-28-89, Cl. 73-865.800.

Goedecke, Heidemarie: *See—*

Reichert, Hansjoerg; Scharf, Ludwig; Goedecke, Heidemarie; and Weidlcih, Herbert, 4,888,301, Cl. 437-72.000.

Goedert, Nedra: *See—*

Gasper, Elon; and Goedert, Nedra, 4,878,844, Cl. 434-159.000.

Goedken, James; and Schmidt, Clayton, to Hon Industries, Inc. File system with hang rail. 4,887,873, 12-19-89, Cl. 312-184.000.

Goedker, Joseph L.: *See—*

Lipinski, Thomas L.; and Goedker, Joseph L., 4,798,062, Cl. 62-381.000.

Goegelman, Robert T.; and Ondeyka, John G. Derivatives of paraherquamide isolated from a fermentation broth active as antiparasitic agents. 4,873,247, 10-10-89, Cl. 514-257.000.

Goehring, Richard A.: *See—*

Spaulding, Mark F.; and Goehring, Richard A., 4,836,448, Cl. 239-79.000.

Goeken, John D.: *See—*

Hollewed, Edward J.; Goeken, John D.; and Oldani, Jerome L., 4,811,387, Cl. 379-144.000.

Hollewed, Edward J.; Goeken, John D.; and Oldani, Jerome L., 4,881,254, Cl. 379-144.000.

Goekjian, Kenneth S., to Data General Corporation. Controller burst multiplexor channel interface. 4,878,173, 10-31-89, Cl. 364-200.000.

Goel, Anil B.; and Chang, Biau-Hung, to Ashland Oil, Inc. Alkylene phosphonate acid ester polyols. 4,798,872, 1-17-89, Cl. 558-186.000.

Goel, Anil B., to Ashland Oil, Inc. Novel poly(arylene ether-amide) polyols and their application in polyurethane polymers. 4,798,881, 1-17-89, Cl. 528-73.000.

Goel, Anil B., to Ashland Oil, Inc. Flexible, structural polyurethane adhesives with initial pressure sensitive adhesive performance 4,803,257, 2-7-89, Cl. 528-45.000.

Goel, Anil B., to Ashland Oil, Inc. Novel thioether amide diols and polyurethane polymers therefrom. 4,804,781, 2-14-89, Cl. 564-154.000.

Goel, Anil B.; and Richards, Harvey J., to Ashland Oil, Inc. Convenient synthesis of polyamide polyol/urethane diol blends. 4,822,518, 4-18-89, Cl. 252-182.260.

Goel, Anil B., to Ashland Oil, Inc. Novel reactions of bicyclic amide acetals with reactive protic compounds having the formula $HN(R')YR^2$. 4,826,960, 5-2-89, Cl. 534-591.000.

Goel, Anil B., to Ashland Oil, Inc. Reaction of bicyclic amide acetal with urea. 4,855,398, 8-8-89, Cl. 528-367.000.

Goel, Anil B.; and Jones, Jeffrey P., to Ashland Oil, Inc. Flush solvents for epoxy adhesives. 4,863,525, 9-5-89, Cl. 134-22.190.

Goel, Anil B.; and Holehouse, Joseph G., to Ashland Oil, Inc. Bonding method employing high performance induction curable two-component structural adhesive with nonsagging behavior. 4,878,978, 11-7-89, Cl. 156-272.400.

Goel, Anurag, to Amada Engineering & Service Co., Inc. Imaging device. 4,833,724, 5-23-89, Cl. 382-65.000.

Goel, Om P., to Warner-Lambert Company. Process for the resolution of 1-aminoindanes. 4,833,273, 5-23-89, Cl. 564-304.000.

Goel, Om P.: *See—*

Beylin, Vladimir G.; Goel, Om P.; Sercel, Anthony D.; and Showalter, Howard D. H., 4,806,654, Cl. 548-370.000.

Goel, Vijay K.: *See—*

Park, Joon B.; Weinstein, James N.; and Goel, Vijay K., 4,836,196, Cl. 128-92.0YM.

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Goeller, Loretta: *See—*

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Goeller, Loretta D., to Clairol Incorporated. Heatable flexible hair curlers. 4,834,118, 5-30-89, Cl. 132-211.000.

Goeltz, Jeffrey. Pile-height bar governor for printing press pile feeders. 4,811,940, 3-14-89, Cl. 271-155.000.

Goeman, Donald D.: *See—*

Newhouse, Thomas J.; Allen, Lynne M.; and Goeman, Donald D., 4,861,122, Cl. 312-317.100.

Newhouse, Thomas J.; Goeman, Donald D.; and McClung, Duane G., 4,884,513, Cl. 108-50.000.

Goemar S.A.: *See—*

Herve, Rene; and Percehais, Serge, 4,824,673, Cl. 421-195.100.

Goepfert, Serge P. P.; and Guillevic, Gildas J. M., to Corning Incorporated. Laminated transparent polarizing glasses and method of making. 4,865,668, 9-12-89, Cl. 156-74.000.

Goercke, Hans-Hasso: *See—*

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Goerge, Ashok K.: *See—*

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Goergen, Rene; Hitzky, Leo J.; Miller, Frederick W.; Galante, Richard L.; Waibel, Terry J.; Kolowski, Michael A.; and Hopkins, William M., to Goodyear Tire & Rubber Company, The. Pneumatic tire tread pattern. 4,823,855, 4-25-89, Cl. 152-209.00R.

Goergen, Rene, to Goodyear Tire & Rubber Company, The. Tire treads with variable depth grooves. 4,865,099, 9-12-89, Cl. 152-209.00R.

Goering, Kenneth J.; and Eslick, Robert F., to Barco, Inc. Production of beta-glucan, bran, protein, oil and maltose syrup from waxy barley. 4,804,545, 2-14-89, Cl. 426-28.000.

Goerke, Klaus: *See—*

Hodes, Erich; and Goerke, Klaus, 4,830,933, Cl. 428-646.000.

Hodes, Erich; and Goerke, Klaus, 4,832,809, Cl. 204-192.150.

Goerlich, Dieter, to Webasto AG Fahrzeugtechnik. Exhaust gas unit for multicylinder diesel internal combustion engines. 4,848,083, 7-18-89, Cl. 60-303.000.

Goerlich, Dieter, to Webasto AG Fahrzeugtechnik. Process for operating a fuel-operated heater and control arrangement for performing the process. 4,852,797, 8-1-89, Cl. 237-2.00A.

Goerlich, Dieter, to Webasto AG Fahrzeugtechnik. Process and device for operating an exhaust gas burner. 4,887,426, 12-19-89, Cl. 60-274.000.

Goerne, Jan; Kozilek, Joseph; and Moustakas, Steven, to Siemens Aktiengesellschaft. Circuit arrangement for testing a passive bus network with the carrier sense multiple access with collisions detection method. 4,797,901, 1-10-89, Cl. 375-10.000.

Goerrissen, Heiner: *See—*

Walter, Manfred; Schuette, Wilhelm; and Goerrissen, Heiner, 4,837,400, Cl. 524-145.000.

Goers, John W. F.; King, Hurley D.; Lee, Chyi; Coughlin, Daniel J.; Alvarez, Vernon L.; Rodwell, John D.; and McKearn, Thomas J., to Cytogen Corporation. Antibody-therapeutic agent conjugates. 4,867,973, 9-19-89, Cl. 424-85.910.

Goers, Steven K.; Ghossi, Parviz; Patterson, John T.; and Young, Cynthia L., to General Foods Corporation. Process for producing a green leaf essence. 4,806,379, 2-21-89, Cl. 426-650.000.

Goertler, Horst: *See—*

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Goertz, Hans-Helmut; Klimesch, Roger G.; Laemmerhirt, Klaus; Lang, Siegfried; Sanner, Axel; and Spengler, Reinhard, to BASF Aktiengesellschaft. Preparation of solid pharmaceutical forms. 4,801,460, 1-31-89, Cl. 424-465.000.

Goertz, Hans-Helmut; Straub, Ferdinand; Sanner, Axel; Kolb, Albrecht; Raubenheimer, Hans-Juergen; and Vogel, Friedrich, to BASF Aktiengesellschaft. Preparation of 3-methyl-1-vinylimidazolium chlorides. 4,841,066, 6-20-89, Cl. 548-335.000.

Goertz, Hans-Helmut; Oftring, Alfred; and Vogel, Friedrich, to BASF Aktiengesellschaft. Polymers of oxyalkylated unsaturated quaternary ammonium salts, their preparation and their use. 4,859,756, 8-22-89, Cl. 526-263.000.

Goertz, Hans-Helmut: *See—*

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Goertz, Jozef L. L.; and de Jong, Bernardus W., to Oce-Nederland B.V. Means for adjusting the focal length of a lens in relation to its displacement. 4,822,137, 4-18-89, Cl. 350-255.000.

Goertzel, Gerald: *See—*

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Goerz Electro Gesellschaft m.b.H.: *See—*

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Goesele, Ulrich M.; and Stengl, Reinhard J., to Duke University. Method for bubble-free bonding of silicon wafers. 4,883,215, 11-28-89, Cl. 228-116.000.

Goessler, Gerhard; and Schreder, Felix, to E.G.O. Elektro-Gerate Blanc U. Fischer. Radiant heater for cooking appliances. 4,808,79 2-28-89, Cl. 219-464.000.

Goessler, Gerhard, to E.G.O. Elektro-Gerate Blanc U. Fischer. Radiant heater unit. 4,810,857, 3-7-89, Cl. 219-464.000.

Goessler, Gerhard; Wilde, Eugen; and Kicherer, Robert, to E.G.O. Elektro-Gerate Blanc U. Fischer. Electric radiant heating element for heating a plate particularly a glass ceramic plate. 4,845,340, 7-4-89, Cl. 219-464.000.

Goethel, Walter W.: *See—*

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Goethert, Dieter, to Siemens Aktiengesellschaft. Computer tomography apparatus. 4,837,792, 6-6-89, Cl. 378-4.000.

Goetsch, Duane A.; and Say, Geoffrey R., to Exxon Research and Engineering Company. Synthesis gas preparation and catalyst therefor. 4,877,550, 10-31-89, Cl. 252-373.000.

Goetsch, Duane A.; Say, Geoffrey R.; Vargas, Jose M.; and Eberly, Paul E., to Exxon Research and Engineering Company. Synthesis gas preparation and catalyst therefor. 4,888,131, 12-19-89, Cl. 252-373.000.

Goetschius, Gary C., to Air Preheater Company, Inc., The. Element basket assembly for heat exchanger. 4,838,342, 6-13-89, Cl. 165-10.000.

Goetschius, Gary C.: *See—*

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Goett, Edward P.: *See—*

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Goetter, Erwin H., to Preformed Line Products Company. Encapsulated fiber optic closure. 4,799,757, 1-24-89, Cl. 350-96.200.

Goetting, Erich, to Exel Microelectronics Incorporated. Security element circuit for programmable logic array. 4,812,675, 3-14-89, Cl. 307-443.000.

Goetting, Erich, to Exel Microelectronics, Inc. Field programmable matrix circuit for EEPROM logic cells. 4,866,432, 9-12-89, Cl. 340-825.840.

Goettker, Bernhardt P., to Unique Functional Products. Trailer coupler. 4,817,979, 4-4-89, Cl. 280-512.000.

Goettler, Hans J.: *See—*

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Goettsche, Randy P.: *See—*

Duncan, Damon H.; and Goettsche, Randy P., 4,848,169, Cl. 74-5.00F.

Goettsche, Reimer; Marx, Hans-Norbert; and Hettler, Wendelin, to Dr. Wolman GmbH. Wood preservative. 4,857,322, 8-15-89, Cl. 424-633.000.

Goettsche, Reimer; and Marx, Hans-Norbert, to Dr. Wolman GmbH. Wood preservative. 4,871,473, 10-3-89, Cl. 252-400.520.

Goetz, Albert: *See—*

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Schwemmer, Martin; and Goetz, Albert, 4,845,791, Cl. 8-151.000.

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Ellinghorst, Guido; Goetz, Bernd; Niemoeller, Axel; Scholz, Horst; Brueschke, Hartmut E. A.; and Tusel, Guenter, 4,865,743, Cl. 210-640.000.

Goetz, Bernhard. High voltage measurement capacitor. 4,879,628, 11-7-89, Cl. 361-327.000.

Goetz, Charles R., to Alco Industries, Inc. Article package. 4,796,801, 1-10-89, Cl. 229-104.000.

Goetz, Charles R., to Alco Industries, Inc. Portable pet carrier. 4,852,520, 8-1-89, Cl. 119-19.000.

Goetz, George W.; and Hamilton, Brian K., to TRW Vehicle Safety Systems Inc. Gas generating material. 4,806,180, 2-21-89, Cl. 149-5.000.

Goetz, George W., to TRW Automotive Products Inc. Inflatable restraint system. 4,817,828, 4-4-89, Cl. 222-3.000.

Goetz, George W., to TRW Vehicle Safety Systems Inc. Inflatable restraint system. 4,846,368, 7-11-89, Cl. 222-3.000.

Goetz, George W.: *See—*

Ziomek, Joseph F.; Dick, Joseph G.; and Goetz, George W., 4,842,300, Cl. 280-732.000.

Goetz, Glenn E.; Prunty, Jeffrey L.; and Klemmensen, Ramon L., to Amana Refrigeration, Inc. Refrigerator drain funnel. 4,843,835, 7-4-89, Cl. 62-285.000.

Goetz, Kenneth D.: *See—*

Senatore, Guy; Shang, Wei-Teh W.; and Goetz, Kenneth D., 4,882,416, Cl. 528-388.000.

Goetz, Klaus: *See—*

Hoffrichter, Bernd; Pavelka Bozidar; Pfefferkorn, Dietmar; Schaeffer, Norbert; and Goetz, Klaus, 4,809,928, Cl. 242-199.000.

Goetz, Kurt A. Clamping holder for fixing a support rod to a child's bed. 4,884,306, 12-5-89, Cl. 5-503.000.

Goetz, Norbert: *See—*

Gramlich, Walter; Goetz, Norbert; Siegel, Hardo; and Schindler, Gerhard, 4,837,201, Cl. 512-26.000.

Hoelderich, Wolfgang; Goetz, Norbert; and Hupfer, Leopold, 4,812,593, Cl. 560-183.000.

Jahn, Dieter; Becker, Rainer; Goetz, Norbert; and Wuerzer, Bruno, 4,851,032, Cl. 71-94.000.

Spiegler, Wolfgang; Hoelderich, Wolfgang; Goetz, Norbert; Hupfer, Leopold; and Wild, Jochen, 4,824,973, Cl. 549-425.000.

Spiegler, Wolfgang; Goetz, Norbert; Sauerwald, Manfred; Dockner, Toni; and Fischer, Rolf, 4,845,247, Cl. 549-427.000.

Wolf, Bernd; Theobald, Hans; Becker, Rainer; Goetz, Norbert; Himmele, Walter; and Kropp, Rudolf, 4,870,100, Cl. 514-461.000.

Goetze AG: *See—*

Brauers, Bert; and Mombach, Martin, 4,796,898, Cl. 277-216.000

Brauers, Bert, 4,799,694, Cl. 277-140.000.

Brocksieper, Manfred; Luckger, Rolf; Kroschel, Hans-Gerd; and Stechow, Jochen, 4,856,105, Cl. 364-474.020.

Deuring, Hans; and Pesch, Klaus, 4,815,425, Cl. 123-90.580.

Deuring, Hans; and Pesch, Klaus, 4,825,824, Cl. 123-90.580.

Deuring, Hans, 4,826,180, Cl. 277-9.500.

Deuring, Hans, 4,854,598, Cl. 277-87.000.

Neuhauser, Hans-Jochem; Buran, Ulrich; and Linde, Rudolf, 4,846,940, Cl. 204-16.000.

Goetze, Leppold: *See—*

Kurka, Peter; and Goetze, Leppold, 4,879,290, Cl. 514-223.200.

Goetze, Werner; Mayr, Ernst; Oestreich, Ulrich; and Saller, Helmut, to Siemens Aktiengesellschaft. Filling compound for light waveguide leads and/or light waveguide cables. 4,839,970, 6-20-89, Cl. 350-96.230.

Goetzelman, Alan: *See—*

Switall, Thomas G.; Schaefges, Michael; and Goetzelman, Alan, 4,815,375, Cl. 101-148.000.

Goetzinger, David: *See—*

Burgess, William C.; Jochum, Gary L.; Goetzinger, David; and Beckius, David A., 4,852,748, Cl. 211-70.600.

Goewey, James R.: *See—*

Carper, Robert L.; and Goewey, James R., 4,822,671, Cl. 428-33.000.

Goex, Inc.: *See—*

Hancock, Michael P.; and Hayes, Scott L., 4,852,495, Cl. 102-306.000.

Hancock, Michael P.; and Hayes, Scott L., 4,885,993, Cl. 102-307.000.

Hayes, Scott L., 4,881,445, Cl. 89-1.150.

Goff, Douglas J.: *See—*

Schrader, Stephen A.; and Goff, Douglas J., 4,859,863, Cl. 250-556.000.

Goff, Frederick: *See—*

Kee, Howard; and Goff, Frederick, 4,874,049, Cl. 17[illegible]-59.000.

Goff, Jay T.: *See—*

Mendenhall, David W.; Marian, Steve P.; Goff, Jay T.; Cotter, Neil J.; and Corbesero, Steve R., 4,881,901, Cl. 439-65.000.

Goff, Stephen P.: *See—*

Nicholas, David M.; Goff, Stephen P.; Roden, Thomas M.; and Bushinsky, Joseph P., 4,336,833, Cl. 55-16.000.

Goffe, William L.; and Schram, Joseph G., to Xerox Corporation. Electrophotographic device having a.c. biased cleaning member. 4,875,081, 10-17-89, Cl. 355-303.000.

Goffi, Italo, to Miroglio Tessile S.p.A. Dry transfer sheet. 4,880,678, 11-14-89, Cl. 428-40.000.

Goffinet, Pierre: *See—*

D'Hoogue, Martial; Perrette, Claude; and Goffinet, Pierre, 4,875,600, Cl. 222-52.000.

Goffman, Joel H. Eye protector. 4,862,902, 9-5-89, Cl. 128-858.000.

Goforth, Melvin L., to Tech Spray, Inc. Aerosol static dissipator. 4,819,837, 4-11-89, Cl. 222-402.100.

Goforth, William R., to General Motors Corporation. Manual seat adjuster with overcenter locking elevation adjustment. 4,805,865, 2-21-89, Cl. 248-393.000.

Gofuku, Ihachiro; Osada, Yoshiyuki; and Nakagawa, Katsumi, to Canon Kabushiki Kaisha. Method for driving a photo-sensor by applying a pulse voltage to an auxiliary electrode during a non-read time. 4,886,962, 12-12-89, Cl. 250-211.00J.

Gofuku, Ihachiro; Osada, Yoshiyuki; Nakagawa, Katsumi; Hatanaka, Katsunori; Saika, Toshihiro; and Kaifu, Noriyuki, to Canon Kabushiki Kaisha. Photoelectric converter provided with voltage dividing means. 4,886,977, 12-12-89, Cl. 250-578.000.

Gofuku, Ihachiro: *See—*

Nakagawa, Katsumi; Kawakami, Soichiro; Gofuku, Ihachiro; Hatanaka, Katsunori; Fukaya, Masaki; and Komatsu, Toshiyuki, 4,845,[illegible], Cl. 250-211.00J.

Gogami, Masao: *See—*

Hida, Yoshiaki; Ishihara, Satoshi; Take, Seiji; Gogami, Masao; and Suzuki, Toshiyuki, 4,841,134, Cl. 235-488.000.

Gogel, Andreas, to Georg Fischer Aktiengesellschaft. Pressure medium control valve. 4,817,670, 4-4-89, Cl. 137-884.000.

Gogenyi, Frigyes: *See—*

Reiter, Jozsef; Rivo, Endre; Reiter nee Esess, Klara; Fekete, Marton; Gogenyi, Frigyes; Petocz, Lujza; Gacsalyi, Istvan; and Gyertyan, Istvan, 4,831,029, Cl. 514-232.500.

Goggans, Gary L.; Everhart, Cherie H.; Chester, Stephen O.; Frost, J. Eric; and Ozbirn, Monica V., to Kimberly-Clark Corporation. Elastic nonwoven pad. 4,801,482, 1-31-89, Cl. 428-68.000.

Goggans, Suzanne: *See—*

McAlister, Steve R., 4,851,809, Cl. 340-442.000.

Goggans, William E., Jr.: *See—*

Morris, Robert E.; Witherspoon, Clark D.; and Goggans, William E., Jr., 4,813,927, Cl. 604-23.000.

Goggin, David J.: *See—*

Chandler, Mark A.; Goggin, David J.; Horne, Patrick J.; Kocurek, Gary G.; and Lake, Larry W., 4,864,845, Cl. 73-38.000.

Goggin, Philip E. Gas well discharge velocity dissipator. 4,877,084, 10-31-89, Cl. 166-75.100.

Gogolewski, Sylwester, to Medinvent S.A. Method of producing a multilayered prosthesis material and the material obtained. 4,834,747, 5-30-89, Cl. 623-1.000.

Goh, David; Moran-Iturralde, Anthony M.; and Howells, Geoffrey, to Scan Coin AB. Coin and disc sorting. 4,881,918, 11-21-89, Cl. 453-4.000.

Goh, Yasumasa; and Hayaishi, Osamu, to Goh, Yasumasa; and Research Development Corporation of Japan. Use of prostaglandin D_2-active substances. 4,824,857, 4-25-89, Cl. 514-398.000.

Gohara, Wadie F., to Babcock & Wilcox Company, The. A method of operating a fluid bed combustor. 4,828,482, 5-9-89, Cl. 431-7.000.

Gohara, Yoshihiro: *See—*

Mizusawa, Norihito; Gohara, Yoshihiro; and Nakayasu, Yoshikazu, 4,820,215, Cl. 440-88.000.

Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makoto, to Yoshitomi Pharmaceutical Industries, Ltd. Method of producing tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyloxymethyl]methane. 4,883,902, 11-28-89, Cl. 560-75.000

Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makoto, to Yoshitomi Pharmaceutical Industries, Ltd. Method of producing tetrakis[3,5-di-tert-butyl-4-hydroxyphenyl)propionyloxymethyl]methane. 4,885,382, 12-5-89, Cl. 560-75.000.

Gohl, Hermann J.: *See—*
- Harttig, Erich H.; Buck, Reinhold J.; and Gohl, Hermann J., 4,812,269, Cl. 264-41.000.

Gohlich, Dieter: *See—*
- Distler, Klaus; Enders, Rolf; and Gohlich, Dieter, 4,828,787, Cl. 376-245.000.

Gohring, Karl; and Kress, Hermann. Method for producing a shaped synthetic member. 4,820,465, 4-11-89, Cl. 264-119.000.

Gohshi, Seiichi: *See—*
- Ninomiya, Yuichi; Ohtsuka, Yoshimichi; Izumi, Yoshinori; Gohshi, Seiichi; and Shishikui, Yoshiaki, 4,884,136, Cl. 358-105.000.

Goi, Kouichi; Emori, Hiroshi; and Sato, Daiki, to Laurel Bank Machines Co., Ltd. Dust-proof tube having a cylindrical portion that seals photosensor and integrally formed frustrum portion. 4,841,144, 6-20-89, Cl. 250-239.000.

Goi, Masami: *See—*
- Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; and Sota, Kaoru, 4,812,562, Cl. 540-227.000.
- Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, 4,841,044, Cl. 540-227.000.

Goi, Shigeru: *See—*
- Taniguchi, Masahiko; Goi, Shigeru; and Sugihara, Taizo, 4,814,032, Cl. 156-167.000.

Goicolea, Juan I.: *See—*
- Muller, Richard S.; and Goicolea, Juan I., 4,801,883, Cl. 324-252.000.

Goidl, Jo A.; and Claus, Thomas H., to American Cyanamid Company. Method of treating diabetes with 5-[1-hydroxy-2-(isopropylamino)ethyl]anthranilonitrile. 4,814,350, 3-21-89, Cl. 514-524.000.

Goin, Gregory R.: *See—*
- Lauritzen, Donald R.; and Goin, Gregory R., 4,796,912, Cl. 280-736.000.

Goineau, Andre M., to Milliken Research Corporation. Method to produce three-ply yarn and fabric made therefrom. 4,815,500, 3-28-89, Cl. 139-21.000.

Goineau, Andre M., to Milliken Research Corporation. Draw block. 4,851,643, 7-25-89, Cl. 219-388.000.

Goineau, Andre M., to Milliken Research Corporation. Composite yarn texturing system. 4,852,226, 8-1-89, Cl. 28-220.000.

Goineau, Andre M., to Milliken Research Corporation. Loop breaker for textured yarn. 4,860,412, 8-29-89, Cl. 28-219.000.

Goineau, Andre M., to Milliken Research Corporation. Method of forming spun-like synthetic yarn. 4,864,701, 9-12-89, Cl. 28-220.000.

Goineau, Andre M., to Milliken Research Corporation. Yarn distributor block. 4,865,264, 9-12-89, Cl. 242-131.000.

Going, Walter S., III; Pringle, Ronald E.; and Morris, Arthur J., to Camco, Incorporated. Method and apparatus for recompleting wells with coil tubing. 4,844,166, 7-4-89, Cl. 166-379.000.

Goins, Curtis W., Jr.; and Stanley, Earl K., to Globe Metallurgical, Inc. Smelting process for making elemental silicon and alloys thereof, and apparatus therefor. 4,865,643, 9-12-89, Cl. 75-10.630.

Goins, Dixie E.: *See—*
- Mina, George L.; Goins, Dixie E.; and Gramling, John S., 4,847,434, Cl. 568-730.000.

Goins, Gary D., to Research Machine Center, Inc. Optical lens manufacturing apparatus and method. 4,856,234, 8-15-89, Cl. 51-284.00R.

Goins, Jeffrey L.: *See—*
- Noble, Noel L.; Bluthardt, Edward A.; and Goins, Jeffrey L., 4,842,574, Cl. 493-421.000.

Goins, Neal R., to Mobil Oil Corporation. Method for determining the presence of hydrocarbons in subsurface geological formations by comparative assessment of compressional and shear wave reflection data. 4,858,200, 8-15-89, Cl. 367-75.000.

Goins, Neal R.; and Spratt, Ray S., to Mobil Oil Corporation. Method for estimating shear wave reflection data from acquired compressional wave reflection data. 4,858,201, 8-15-89, Cl. 367-75.000.

Goins, Neal R.: *See—*
- Fitch, Thomas J.; Goins, Neal R.; and Spratt, Ray S., 4,858,202, Cl. 367-75.000.

Gojny, Francis J.: *See—*
- Greene, Guy S.; Gojny, Francis J.; and McGrath, Paul L., 4,843,205, Cl. 219-78.120.
- Norris, Brian; Martinez, Romulo M.; and Gojny, Francis J., 4,869,421, Cl. 228-181.000.

Gojon, Roger L., to Glacier Metal Company Limited, The. Bearings having upper and lower halves of different materials. 4,889,435, 12-26-89, Cl. 384-276.000.

Gokenya, Takashi: *See—*
- Kourogi, Isao; Masuda, Keiichi; Hirooka, Masami; Tomiyama, Yoshio; Yoshiuchi, Kazunori; and Gokenya, Takashi, 4,802,814, Cl. 414-686.000.

Gokhale, Kalyan P., to General Motors Corporation. Wheel speed sensor. 4,835,467, 5-30-89, Cl. 324-166.000.

Gokhale, Kalyan P., to General Motors Corporation. Output voltage control apparatus of a permanent magnet alternator. 4,885,493, 12-5-89, Cl. 310-190.000.

Goko, Nobuaki; Uehara, Yumito; and Nishihara, Yasuhiro, to Mitsubishi Chemical Industries Limited. Method for producing an α-olefin block copolymer. 4,808,667, 2-28-89, Cl. 525-247.000.

Gola, Alberto: *See—*
- Gariboldi, Roberto; and Gola, Alberto, 4,882,532, Cl. 323-222.000.

Golab, James S., to Motorola, Inc. Signature circuit responsive to an input signal. 4,806,793, 2-21-89, Cl. 307-443.000.

Golab, James S., to Motorola, Inc. Latching sense amplifier. 4,831,287, 5-16-89, Cl. 307-530.000.

Golan, Kenneth F.: *See—*
- Blake, William W.; Golan, Kenneth F.; Coutant, Alan R.; and Morris, Hugh C., 4,865,176, Cl. 192-3.630.

Golander, Carl G.; Jonsson, Erik S.; and Vladkova, Todorka G., to Ytkemiska Institutet. Surface coated article, process and means for the preparation thereof and use thereof. 4,840,851, 6-20-89, Cl. 428-523.000.

Golay, Armand: *See—*
- Lefebvre, Jacques; Gimenez, Philippe; Colombier, Gabriel; Golay, Armand; and Safrany, Jean S., 4,808,276, Cl. 204-28.000.

Golay, Jean-Pierre; and Gabnebin, Pierre L., to Mefina S.A. Fuse for an electric firing projectile. 4,831,934, 5-23-89, Cl. 102-209.000.

Golay, Marcel, to Perkin-Elmer Corporation, The. Chromatography column. 4,872,979, 10-10-89, Cl. 210-198.200.

Golay, Marcel E., to Perkin-Elmer Corporation, The. Thermally switchable katharometer. 4,856,319, 8-15-89, Cl. 73-23.100.

Golba, Joseph C., Jr.; Brown, Sterling B.; and Hasson, Alexandros, to General Electric Company. Method for removing volatile impurities from polyphenylene ethers. 4,831,115, 5-16-89, Cl. 528-481.000.

Golba, Joseph C., Jr.: *See—*
- Blanch, John F.; Garritano, Ronald F.; Richards, William D.; and Golba, Joseph C., Jr., 4,817,416, Cl. 73-55.000.

Golben, Peter M., to Ergenics, Inc. Solar powered pump with electrical generator. 4,884,953, 12-5-89, Cl. 417-379.000.

Gold, Archie; Kirkwood, Robert L.; and West, Steven L., to R & D Associates. Continuous repeater target denial device. 4,816,832, 3-28-89, Cl. 342-14.000.

Gold, Arthur, to Carousel Industries, Inc. Free-wheeling dispenser mechanism for manually operated animal food dispensing machine. 4,823,738, 4-25-89, Cl. 119-51.00R.

Gold, Danny. Closure mechanism. 4,864,695, 9-12-89, Cl. 24-266.000.

Gold, David G.; and Tucker, Frank D., to Light Signatures, Inc. Magnetic characteristic identification system. 4,806,740, 2-21-89, Cl. 235-449.000.

Gold, Elijah H.; Neustadt, Bernard R.; and Smith, Elizabeth M., to Schering Corporation. Carboxyalkyl dipeptides and anti-hypertensive use thereof. 4,808,573, 2-28-89, Cl. 514-19.000.

Gold, Elijah H.; Neustadt, Bernard R.; and Smith, Elizabeth M., to Schering Corporation. Carboxyalkyl dipeptides and medical use thereof in treating hypertension and congestive heart failure. 4,818,749, 4-4-89, Cl. 514-19.000.

Gold, Elijah H.; Neustadt, Bernard R.; and Smith, Elizabeth M., to Schering Corporation. Preparation of angiotensin-converting enzyme inhibitors. 4,831,157, 5-16-89, Cl. 548-452.000.

Gold, Elijah H.: *See—*
- Petrakis, Konstaninos S.; Berger, Joel G.; and Gold, Elijah H., 4,853,476, Cl. 558-170.000.
- Watkins, Robert; Doll, Ronald J.; Neustadt, Bernard R.; Smith, Elizabeth M.; Magatti, Charles V.; and Gold, Elijah H., 4,840,772, Cl. 422-61.000.

Gold, Joseph. Method of prolonging cancerous patient survival in humans with hydrazine sulfate. 4,867,978, 9-19-89, Cl. 424-719.000.

Gold, Kenneth; and Brodman, Bruce W., to United States of America, Army. Chemical process for the denitration of nitrocellulose. 4,814,439, 3-21-89, Cl. 536-30.000.

Gold Kist Inc.: *See—*
- Walker, Kenneth; and Hutchinson, David, 4,830,564, Cl. 414-405.000.

Gold, Martin P.: *See—*
- Hartog, Arthur H.; Gold, Martin P.; and Leach, Adrian P., 4,823,166, Cl. 356-44.000.

Gold Medal Products Co.: *See—*
- Weiss, Ronald R., 4,872,821, Cl. 425-9.000.

Gold, Milton. Adapter for expanding the volume of a container. 4,852,757, 8-1-89, Cl. 220-4.00A.

Gold, Peter. Expandable retainer. 4,797,047, 1-10-89, Cl. 411-512.000.

Gold, Peter. Window retention system for automotive vehicles. 4,805,363, 2-21-89, Cl. 52-208.000.

Gold, Peter. Automotive window retention system and retention element therefor. 4,841,698, 6-27-89, Cl. 52-208.000.

Gold, Peter N. Window assembly. 4,799,343, 1-24-89, Cl. 52-208.000.

Gold, Peter N. Automotive window mounting assembly. 4,811,519, 3-14-89, Cl. 49-375.000.

Gold, Peter N. Method of installing a vehicle rear window. 4,847,977, 7-18-89, Cl. 29-446.000.

Gold, Peter N. Auto window moulding. 4,850,640, 7-25-89, Cl. 296-201.000.

Gold, Randy, to Halliburton Company. Collimated thermal neutron porosity tool. 4,808,838, 2-28-89, Cl. 250-266.000.

Gold, Randy; and Smith, Darren E., to Halliburton Logging Services Inc. Multichannel optical rotary joint for well logging usage. 4,842,355, 6-27-89, Cl. 350-96.200.

Gold, Raymond; and Roberts, James H. Solid-state track recorder dosimetry device to measure absolute reaction rates and neutron fluence as a function of time. 4,874,951, 10-17-89, Cl. 250-472.100.

Gold, Samuel: *See—*
- Chiao, Wen B.; Iovine, Carmine P.; and Gold, Samuel, 4,888,250, Cl. 428-514.000.

Gold Star Co., Ltd.: *See—*
- Choi, Hyun J., 4,843,464, Cl. 358-112.000.
- Chung, Hyun T.; and Hong, Sung C., 4,795,109, Cl. 242-198.000.
- Jeon, Jin S., 4,812,926, Cl. 360-70.000.
- Kang, Sung S., 4,875,123, Cl. 360-109.000.
- Kim, Jong H., 4,849,830, Cl. 360-10.100.

- Kwon, Sung T.; and Choi, Jung Hyuk, 4,796,116, Cl. 360-85.000.
- Kwon, Sung T., 4,807,065, Cl. 360-85.000.
- Lee, Kwan H., 4,858,969, Cl. 292-78.000.
- Noh, Yang H., 4,858,450, Cl. 68-134.000.
- Park, Chong S., 4,803,551, Cl. 358-147.000.
- Park, Jong D., 4,811,138, Cl. 360-96.500.
- Park, Jong I., 4,833,284, Cl. 219-10.55B.

Gold Star Instrument & Electric Co., Ltd.: *See—*
- Whang, Keum C., 4,810,921, Cl. 310-313.00R.

Gold, Steven K. Externally-based inversionary tube. 4,871,358, 10-3-89, Cl. 604-271.000.

Goldbach, Gary O.; Cooper, Jerry L.; and Guillory, John L., to Combustion Power Company. Fines recirculating fluid bed combustor method and apparatus. 4,843,981, 7-4-89, Cl. 110-347.000.

Goldbach, Hubert; and Kammerer, Roderich, to Bayer Aktiengesellschaft. Elastically deformable synthetic absorber for bumpers. 4,822,011, 4-18-89, Cl. 267-201.000.

Goldbeck, Larry J.: *See—*
- Bowman, Michael A.; Goldbeck, Larry J.; Stahura, Richard P.; and Stern, Mark N., 4,825,997, Cl. 198-499.000.

Goldberg, Bar-Giora, to Sciteq Electronics, Inc. Device for fixing the phase of frequency synthesizer outputs. 4,868,510, 9-19-89, Cl. 328-14.000.

Goldberg, Bruce S.; and Chen, Richard Y., to FMC Corporation. Continuous cheese-making process utilizing an immobilized rennet enzyme reactor. 4,801,463, 1-31-89, Cl. 426-36.000.

Goldberg, Daniel; and Lauman, G. Fred, to Palmer International, Inc. Cavitation-resistant polymer and coating. 4,847,122, 7-11-89, Cl. 427-410.000.

Goldberg, Edward, to NEC Electronics Inc. Microcomputer control of stepper motor using reduced number of parts. 4,847,544, 7-11-89, Cl. 318-696.000.

Goldberg, Edward M.: *See—*
- Melinyshyn, Lev A.; Stupar, Jeffrey M.; and Goldberg, Edward M., 4,840,690, Cl. 156-242.000.

Goldberg, Elisabeth, to D.S.R. Products. Can sealer. 4,804,103, 2-14-89, Cl. 220-251.000.

Goldberg, Eugene P.; Burns, Jim; Sheets, John W.; Larson, Jeffrey A.; Kumar, Sudesh; and Osborn, David, to University of Florida. Ocular implants and methods for their manufacture. 4,806,382, 2-21-89, Cl. 427-2.000.

Goldberg, Eugene P.; Jayakrishnan, A.; and Yalon, Moshe, to University of Florida. Viscoelastic material for ophthalmic surgery. 4,819,617, 4-11-89, Cl. 128-897.000.

Goldberg, Eugene P.: *See—*
- Longo, William E.; McCluskey, Richard A.; and Goldberg, Eugene P., 4,871,716, Cl. 514-2.000.

Goldberg, Harold. Flower arranging device. 4,803,805, 2-14-89, Cl. 47-41.120.

Goldberg, Harris A.; Kalnin, Ilmar L.; Williams, Clyde C.; and Spain, Ian L., to Hoechst Celanese Corp. Method of making an electrical device made of partially pyrolyzed polymer. 4,856,179, 8-15-89, Cl. 29-592.100.

Goldberg, Harris A.; and Williams, Clyde C., to Hoechst Celanese Corp. Fuses having suppressed voltage transients. 4,873,604, 10-10-89, Cl. 361-104.000.

Goldberg, Harris A.: *See—*
- Kuder, James E.; McGinnis, James L.; Goldberg, Harris A.; Hart, Timothy R.; and Che, Tessie M., 4,878,224, Cl. 372-53.000.

Goldberg, Ira B.: *See—*
- McGinn, Vincent P.; and Goldberg, Ira B., 4,888,547, Cl. 324-58.50A.

Goldberg, James R.: *See—*
- Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, Cl. 380-23.000.

Goldberg, Jay R.; and Hillegass, Donald V., to Medical Engineering Corporation. Ureteral stent system. 4,874,360, 10-17-89, Cl. 604-8.000.

Goldberg, Jerry. Construction mat formed from discarded tire beads and method for its use. 4,801,217, 1-31-89, Cl. 404-75.000.

Goldberg, Leon I., to University of Chicago, The. Quaternary derivatives of noroxymorphone which relieve nausea and emesis. 4,861,781, 8-29-89, Cl. 514-282.000.

Goldberg, Leslie H. Stackable and nestable container for foodstuffs. 4,813,543, 3-21-89, Cl. 206-507.000.

Goldberg, Melvin S. Combination module cover and catenary hold down. 4,869,363, 9-26-89, Cl. 206-83.500.

Goldberg, Murrell A.; and Sammons, Jack. Latent ink. 4,889,559, 12-26-89, Cl. 106-21.000.

Goldberg, Neil: *See—*
- Ryburg, Jon B.; and Goldberg, Neil, 4,852,500, Cl. 108-105.000.

Goldberg, Robert M. Telephone with background volume control. 4,829,565, 5-9-89, Cl. 379-390.000.

Goldberg, Ronald N.; Mavroudis, Eugene G.; and Ferguson, Susan H., to Estee Lauder, Inc. Cosmetic container and applicator. 4,886,387, 12-12-89, Cl. 401-122.000.

Goldberg, Seymour; and Lynch, Thomas J., to EG&G, Inc. Ovenized oscillator assembly. 4,845,337, 7-4-89, Cl. 219-210.000.

Goldberg, Shmuel: *See—*
- Rotem, Haim; Shimoni, Yair; and Goldberg, Shmuel, 4,797,615, Cl. 324-309.000.

Goldberg, Shraga N.: *See—*
- Burns, Edward R.; Wenz, Barry; and Goldberg, Shraga N., 4,822,745, Cl. 436-63.000.

Goldberg, Stanley. Sleeper pajamas. 4,843,648, 7-4-89, Cl. 2-80.000.

Goldberg, Steven J.: *See—*
- Lobel, Gary S.; Goldberg, Steven J.; and Johnson, Gerald H., Jr., 4,882,729, Cl. 370-85.100.

Goldberg, Thomas R.: *See—*
- Deffner, Gary W.; and Goldberg, Thomas R., 4,841,800, Cl. 74-531.000.

Goldberg, Trevor I.: *See—*
- Bastable, David E.; and Goldberg, Trevor I., 4,807,987, Cl. 351-205.000.

Goldberger, Daniel S.: *See—*
- Corenman, James E.; Braig, James R.; Goldberger, Daniel S.; Rojas, Emil P.; and Stone, James H., 4,817,013, Cl. 364-497.000.

Goldberger, Robert E. Biopsy instrument. 4,832,045, 5-23-89, Cl. 128-754.000.

Goldblatt, Harold. Inflatable toy with hook and loop ball attachment. 4,824,414, 4-25-89, Cl. 446-226.000.

Goldblatt, Irwin L.; and Shaub, Harold, to Exxon Research and Engineering Company. Method of improving the anti-wear properties of a lube oil. 4,801,391, 1-31-89, Cl. 252-32.70E.

Goldblatt, Jeffrey S.: *See—*
- Durham, Vaughn L.; and Goldblatt, Jeffrey S., 4,835,824, Cl. 24-339.000.

Goldburt, Efim S.; and Hemmer, Richard E., to North American Philips Corporation. Solid state light modulator incorporating metallized gel and method of metallization. 4,857,978, 8-15-89, Cl. 357-24.000.

Goldcamp, William J.: *See—*
- Wilburn, William M., 4,885,524, Cl. 320-25.000.

Goldco Industries, Inc.: *See—*
- Fairman, F. Eugene; and Jones, William D., 4,828,434, Cl. 406-88.000.
- Kapke, Milton W., 4,829,743, Cl. 53-399.000.
- Kapke, Milton W., 4,829,744, Cl. 53-410.000.
- Kapke, Milton W., 4,887,719, Cl. 206-597.000.
- Vander Meer, Richard H.; Pearce, Ronald A.; and Kapke, Milton W., 4,809,965, Cl. 271-11.000.

Golde, Ernst: *See—*
- Schweitzer, Stefan; Golde, Ernst; and Mathews, Waldemar, 4,846,852, Cl. 55-31.000.

Golden, Donald M.: *See—*
- Bedi, James J.; Golden, Donald M.; Gaterud, Mark T.; Miksza, Anthony S.; Deniega, Jose C.; Smith, Richard; and Yorks, W. Brinton, Jr., 4,805,617, Cl. 128-334.00C.

Golden, Gerald S.: *See—*
- Pike, Roscoe A.; and Golden, Gerald S., 4,888,079, Cl. 156-319.000.

Golden, Glenn D., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Measurement of missed start-up rate and missed message rate. 4,868,824, 9-19-89, Cl. 371-53.000.

Golden, Glenn D., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Data transmission with improved message format. 4,885,749, 12-5-89, Cl. 371-32.000.

Golden Key-Futura, Inc.: *See—*
- Troncoso, Vincent F., 4,865,008, Cl. 124-41.00A.

Golden, Martin P., to United States of America, Energy. Pyramiding tumuli waste disposal site and method of construction thereof. 4,842,774, 6-27-89, Cl. 252-633.000.

Golden, Michael D. Electrical outlet positioner. 4,874,334, 10-17-89, Cl. 439-538.000.

Golden Needles Knitting & Glove Co., Inc.: *See—*
- Miller, Acie B.; Simpson, Ralph H., Jr.; and Luffman, Jimmy W., 4,842,661, Cl. 156-88.000.

Golden, Robert F.: *See—*
- Maness, William L.; Golden, Robert F.; Benjamin, Michael H.; and Podoloff, Robert M., 4,856,993, Cl. 433-68.000.

Golden Star, Inc.: *See—*
- Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,989, Cl. 300-21.000.
- Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,990, Cl. 300-21.000.

Golden, Theodore A. Thermal bandage. 4,846,176, 7-11-89, Cl. 128-400.000.

Golden Trade S.r.i.: *See—*
- Ricci, Francesco, 4,841,751, Cl. 68-29.000.

Golden Valley Microwave Foods, Inc.: *See—*
- Watkins, James D.; Andreas, David W.; and Cox, David H., 4,878,765, Cl. 383-116.000.

Goldenberg, Emmanuel: *See—*
- Degobert, Paul; Goldenberg, Emmanuel; Nadaud, Yvon; and Molinier, Michel, 4,796,590, Cl. 123-489.000.

Goldenberg, Jill F.; and McKechnie, T. Stewart, to North American Philips Corporation. Optimum riser angle for fresnel lenses in projection screens. 4,824,227, 4-25-89, Cl. 350-452.000.

Goldenberg, Jill F.: *See—*
- McKechnie, Thomas S.; Goldenberg, Jill F.; Eskin, Joshua D.; Shimizu, Jeffrey A.; Bradley, Ralph H., Jr.; and Guerinot, William F., 4,864,390, Cl. 358-60.000.

Goldenberg, Milton D.: *See—*
- Primus, Frederick J.; and Goldenberg, Milton D., 4,818,709, Cl. 436-518.000.

Goldenberg, Shaul, to Goldenberg, Shaul. Tilt slider. 4,888,915, 12-26-89, Cl. 49-181.000.

Goldenberg, Tsvi, to Advanced Interventional Systems, Inc. Delivery system for high-energy pulsed ultraviolet laser light. 4,799,754, 1-24-89, Cl. 350-96.180.

Goldenberg, Tsvi, to Advanced Interventional Systems, Inc. Guidance system and method for delivery system for high-energy pulsed ultraviolet laser light. 4,830,460, 5-16-89, Cl. 350-96.260.
Goldenberg, Tsvi: *See—*
Strul, Bruno; and Goldenberg, Tsvi, 4,807,620, Cl. 128-303.100.
Goldenberg, Tzvika Y.; and Levi, Avraham Y. Shoe with exchangeable heel. 4,805,320, 2-21-89, Cl. 36-42.000.
Goldenberg, Zinovy. Abdominal exercise device. 4,824,105, 4-25-89, Cl. 272-130.000.
Goldenfield, Mark P.; Lambert, David V.; and Ahmed, Hassan J., to Westinghouse Electric Corp. Method and apparatus for providing fuel rod identification to permit traceability during manufacture and use. 4,822,987, 4-18-89, Cl. 235-462.000.
Goldenhersh, Michael A. Ultraviolet blocking material and method of making same. 4,861,651, 8-29-89, Cl. 428-255.000.
Golder, Michael D.; and Gromelski, Stanley J., Jr., to Hoechst Celanese Corporation. Thermoplastic elastomer. 4,797,437, 1-10-89, Cl. 524-100.000.
Goldfarb, Adolph E. Apparatus for drawing compound designs, with offsetting, size-varying, skewing, and distorting adjustments. 4,825,556, 5-2-89, Cl. 33-27.110.
Goldfarb, Marcia F., to Ventres Laboratories, Inc. Inducer of T-suppressor cells. 4,814,434, 3-21-89, Cl. 530-380.000.
Goldfarb, William C.: *See—*
Kamieniecki, Emil; and Goldfarb, William C., 4,833,324, Cl. 250-315.300.
Kamieniecki, Emil; Reiss, Leszek; and Goldfarb, William C., 4,873,436, Cl. 250-315.300.
Goldfischer, Jerome D.; Smith, Michael; and Goldfisher, Harvey. Computerized dispensing of medication. 4,839,806, 6-13-89, Cl. 364-413.020.
Goldfisher, Harvey: *See—*
Goldfischer, Jerome D.; Smith, Michael; and Goldfisher, Harvey, 4,839,806, Cl. 364-413.020.
Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, to Feinwerktechnik Schleicher & Co. Cutting mechanism for devices for comminuting material. 4,860,963, 8-29-89, Cl. 241-236.000.
Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, to Feinwerktechnik Schleicher & Co. Stripping means for shredding machine or the like. 4,881,692, 11-21-89, Cl. 241-167.000.
Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, to Feinwerktechnik Schleicher & Co. Strip-off device for shedding machines with sheet material grid engaging between shredding disks. 4,889,291, 12-26-89, Cl. 241-167.000.
Goldhammer, Mark I., to Boeing Company, The. Nacelle and wing assembly. 4,815,680, 3-28-89, Cl. 244-130.000.
Goldie, Frederick T. D., to Picker, Limited. Long time constant eddy current compensation. 4,864,241, 9-5-89, Cl. 324-318.000.
Goldie, Robert S.; Malkowska, Sandra T. A.; Leslie, Stewart T.; and Miller, Ronald B., to Euroceltique S.A. Controlled release dihydrocodeine composition. 4,834,984, 5-30-89, Cl. 424-488.000.
Goldie, Robert S.; Malkowska, Sandra T. A.; Leslie, Stewart T.; and Miller, Ronald B., to Euroceltique, S.A. Controlled release hydromorphone composition. 4,844,909, 7-4-89, Cl. 424-480.000.
Goldin, Barry R.: *See—*
Gorbach, Sherwood L.; and Goldin, Barry R., 4,839,281, Cl. 435-34.000.
Golding, Simon S. Manhole cover lifter. 4,826,388, 5-2-89, Cl. 414-684.300.
Golding, Victor G.: *See—*
Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., 4,868,863, Cl. 379-98.000.
Goldish, Gary D. Sit-up exercise device. 4,809,971, 3-7-89, Cl. 272-93.000.
Goldman, Arnold E.: *See—*
Horiuchi, Tetsuro; Goldman, Arnold E.; and Raghavan, Durai N., 4,882,302, Cl. 501-27.000.
Goldman, Boris. Hypodermic syringe and cover handling device. 4,836,373, 6-6-89, Cl. 206-366.000.
Goldman, Budd S. Shower head and decorative covering therefor. 4,821,960, 4-18-89, Cl. 239-211.000.
Goldman, Craig E.: *See—*
Riseman, John H., deceased; Smith, John J.; d'Entremont, Alice M.; and Goldman, Craig E., 4,800,442, Cl. 358-280.000.
Goldman, Diana L.; and Goldman, Michael S. Hypodermic needle removal and disposal device. 4,883,173, 11-28-89, Cl. 206-366.000.
Goldman, Geri I. Strainer pot with whistling spout. 4,873,918, 10-17-89, Cl. 99-403.000.
Goldman, Giora. Method of opening bales of cotton and other fibers. 4,794,671, 1-3-89, Cl. 19-65.00R.
Goldman, Giora. Hydraulic-pneumatic actuator for impact cutter. 4,840,236, 6-20-89, Cl. 173-134.000.
Goldman, H. Warren: *See—*
Aita, Anthony; and Goldman, H. Warren, 4,848,366, Cl. 128-863.000.
Goldman, Ira B.: *See—*
Beberman, Julie A.; Goldman, Ira B.; Larkin, Harold F.; and Hibbert, David A., 4,842,533, Cl. 439-213.000.
Goldman, Jeffrey R. Fishing bobber with scent emission. 4,799,328, 1-24-89, Cl. 43-42.060.
Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Goldman, Terry, to Penn Plax Plastics, Inc. Aquarium air valve system and hanger unit. 4,804,012, 2-14-89, Cl. 137-343.000.
Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Sauerman, Eric, to Penn Plax Plastics, Inc. Decorative shelf system for aquarium or terrarium. 4,820,556, 4-11-89, Cl. 428-7.000.
Goldman, Jon C.: *See—*
Diem, Michael; Fisk, Michael A.; and Goldman, Jon C., 4,817,557, Cl. 118-719.000.
Goldman, Leman, Jr. Lid loosener and tightener. 4,840,093, 6-20-89, Cl. 81-3.430.
Goldman, Mark, to General Hospital Corporation, The. Method of NMR imaging using antibody to cardiac myosin. 4,859,450, 8-22-89, Cl. 424-9.000.
Goldman, Marvin: *See—*
Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Goldman, Terry, 4,804,012, Cl. 137-343.000.
Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Sauerman, Eric, 4,820,556, Cl. 428-7.000.
Goldman, Melvin; and Nathanson, Daniel. Dental restoration 4,850,872, 7-25-89, Cl. 433-215.000.
Goldman, Michael C. Container for injection needles with safety apparatus. 4,840,272, 6-20-89, Cl. 206-365.000.
Goldman, Michael S.: *See—*
Goldman, Diana L.; and Goldman, Michael S., 4,883,173, Cl. 206-366.000.
Goldman-Rakic, Patricia S.: *See—*
Arnsten, Amy F. T.; and Goldman-Rakic, Patricia S., 4,847,300, Cl. 514-617.000.
Goldman, Robert I. Modular brickwork form. 4,858,410, 8-22-89, Cl. 52-592.000.
Goldman, Robert K.: *See—*
Chin, Albert K.; and Goldman, Robert K., 4,821,721, Cl. 128-334.00R.
Goldman, Robert N., to Light Signatures, Inc. Device authentication system for on and off line use. 4,795,890, 1-3-89, Cl. 235-380.000.
Goldman, Robert N., to Light Signatures, Inc. Image dissecting document verification system. 4,811,408, 3-7-89, Cl. 382-2.000.
Goldman, Robert N., to Light Signatures, Inc. System for verifying authenticity of various articles. 4,837,840, 6-6-89, Cl. 382-7.000.
Goldman, Robert N.: *See—*
Katz, Ronald A.; and Goldman, Robert N., 4,816,824, Cl. 340-825.340.
Goldman, Stephen; and Richardson, John, to Bancroft Cap Company. Collapsible cap. 4,856,117, 8-15-89, Cl. 2-195.000.
Goldman, Stuart O.; and Pearson, Robert B., to Fuel Conservation Corporation. Energy releasing catalyst and use thereof. 4,844,716, 7-4-89, Cl. 44-68.000.
Goldman, Terry: *See—*
Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Goldman, Terry, 4,804,012, Cl. 137-343.000.
Goldmann, Jurgen: *See—*
Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., 4,836,943, Cl. 106-400.000.
Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., 4,866,113, Cl. 524-87.000.
Goldmann, Klaus-Dieter E. Sand blasting cabin. 4,866,889, 9-19-89, Cl. 51-426.000.
Goldmann, Siegfried; Bischoff, Hilmar; Puls, Walter; Bender, Joachim; Petzinna, Dieter; and Schlossmann, Klaus, to Bayer Aktiengesellschaft. Certain 4-thienyl-dihydropyridines. 4,801,715, 1-31-89, Cl. 546-116.000.
Goldmann, Siegfried; Schramm, Matthias, Gross, Rainer; Thomas, Gunther; Bechem, Martin; and Kayser, Michael, to Bayer Aktiengesellschaft. Circulation-active 4-aminoaryldihydropyridine lactones. 4,804,667, 2-14-89, Cl. 514-302.000.
Goldmeier, Steven. Outdoor swivel chair. 4,824,170, 4-25-89, Cl. 297-349.000.
Goldner, Richard. Telescoping music stand. 4,813,644, 3-21-89, Cl. 248-441.100.
Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, to Tufts University. Thin film ion conducting coating. 4,832,463, 5-23-89, Cl. 350-357.000.
Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, to Tufts University. Thin film ion conducting coating. 4,876,628, 10-24-89, Cl. 361-313.000.
Goldner, Ronald B.: *See—*
Rauh, R. David; and Goldner, Ronald B., 4,889,414, Cl. 350-357.000.
Goldring, Gvirol, to Yeda Research & Development Co., Ltd. Window assembly for positron emitter. 4,800,060, 1-24-89, Cl. 376-202.000.
Goldsberry, Fred L., to United States of America, Energy. Enhanced oil recovery system. 4,824,447, 4-25-89, Cl. 55-158.000.
Goldsberry, James. Fuel expansion system with preheater and EMI-heated fuel injector. 4,862,858, 9-5-89, Cl. 123-538.000.
Goldsborough, Mark W.: *See—*
Brors, Daniel L.; Lane, Larry R.; Goldsborough, Mark W.; Samuel, Jason M.; van Mastrigt, Max; and Foster, Robert, 4,796,562, Cl. 118-725.000.
Goldshtein, Boris G.: *See—*
Antipov, Georgy A.; Gelfand, Mikhail L.; Goldshtein, Boris G.; Korniliev, Gennady A.; Lavnikov, Nikolai S.; Tsipenjuk, Yakov I.; and Yakubovsky, Petr S., 4,811,797, Cl. 173-93.600.
Goldshtein, Yury A., to General DataComm, Inc. Methods and systems for the simultaneous quantitative measurement of phase and amplitude jitter impairments and signal to noise ratio in a qam data communication channel. 4,827,431, 5-2-89, Cl. 364-514.000.

Goldsmith, Charles D.: *See—*
Hater, Gary R.; and Goldsmith, Charles D., 4,850,745, Cl. 405-258.000.
Stringfellow, William T.; Goldsmith, Charles D.; and Davis, Lois T., 4,872,986, Cl. 210-611.000.
Goldsmith, Howard G., to Todd Enterprises, Inc. Combination seat for boats. 4,854,261, 8-8-89, Cl. 114-343.000.
Goldsmith, Steven E.; and Santi, Joseph M. Combined hat and earphones device. 4,858,248, 8-22-89, Cl. 2-209.100.
Goldstar Co., Ltd.: *See—*
Chin, Seok W., 4,822,968, Cl. 219-10.55D.
Choi, Dong K., 4,809,867, Cl. 220-211.000.
Lee, Eon H.; and Chin, Seok W., 4,800,246, Cl. 219-10.55F.
Lee, Sang L., 4,826,224, Cl. 292-254.000.
Park, Chan W., 4,831,448, Cl. 358-188.000.
Park, Jong B., 4,884,140, Cl. 358-168.000.
Park, Yong S., 4,814,758, Cl. 340-771.000.
Ryu, Sang W., 4,835,614, Cl. 358-194.100.
Sohn, Sang H., 4,868,077, Cl. 156-285.000.
Yeom, Kwang Y., 4,816,612, Cl. 174-35.00R.
Yook, Keun J., 4,829,414, Cl. 363-20.000.
Yoon, Chu H., 4,825,027, Cl. 219-10.55C.
Yoon, Jong Y., 4,807,061, Cl. 360-74.100.
Yug, Geun J., 4,831,311 Cl. 315-411.000.
Yug, Geun J., 4,837,621, Cl. 358-148.000.
Goldstein, Albert, to Wayne State University. Auto switch biplane prostate probe. 4,817,616, 4-4-89, Cl. 128-662.060.
Goldstein, Albert, to Wayne State University. Biplane probe including centerline highlighting. 4,819,650, 4-11-89, Cl. 128-661.010.
Goldstein, Cindy S.: *See—*
Drago, Russell S.; and Goldstein, Cindy S., 4,845,064, Cl. 502-64.000.
Goldstein, Clifford W.; Krzemien, Mark A.; and Witte, Jay, to W. S. Shamban & Company. Fluid seal and rod wiper assembly. 4,850,602, 7-25-89, Cl. 277-205.000.
Goldstein, Dennis H.; and Wehling, Martin F. Infrared crystalline spatial light modulator. 4,815,799, 3-28-89, Cl. 350-1.100.
Goldstein, Gideon: *See—*
Audhya, Tapan; Kroon, Daniel J.; Heavner, George; and Goldstein, Gideon, 4,866,121 Cl. 525-54.100.
Kung, Patrick C.; and Goldstein, Gideon, 4,798,806, Cl. 436-548.000.
Kung, Patrick C.; and Goldstein, Gideon, 4,803,262, Cl. 530-387.000.
Kung, Patrick C.; and Goldstein, Gideon, 4,806,349, Cl. 424-85.800.
Kung, Patrick C.; and Goldstein, Gideon, 4,806,629, Cl. 530-387.000.
Kung, Patrick C. S., and Goldstein, Gideon, 4,828,995, Cl. 435-172.200.
Goldstein, Guy; and Pierre, Michel, to Beghin-Say S.A. Fixation of polymers retaining liquids in a porous structure. 4,798,744, 1-17-89, Cl. 427-389.900.
Goldstein, Harvey R.; and Haddad, Edward N., Jr., to Pioneer Consolidated Corp. Truck cover having an improved telescopic arm assembly. 4,874,196, 10-17-89, Cl. 296-98.000.
Goldstein, Howard, to Innovative Computer Tools, Inc. Non-slip screwdriver. 4,800,788, 1-31-89, Cl. 81-451.000.
Goldstein, Joel E., to Air Products and Chemicals, Inc. Nonwoven products bonded with vinyl acetate/ethylene/self-crosslinking monomer/acrylamide copolymers having improved blocking resistance. 4,814,226, 3-21-89, Cl. 428-288.000.
Goldstein, Joel E.; Iacoviello, John G.; Hawn, Gary G.; and Cook, Gerald R., to Air Products and Chemicals, Inc. Zirconium (III) salts as cure co-catalysts for nonwoven binders comprising acrylamidoglycolic acid. 4,844,970, 7-4-89, Cl. 428-198.000.
Goldstein, Lynn C.; and Gosting, Larry H., to Genetic Systems Corporation. Method and composition for the detection and diagnosis of *Legionella pneumophila*. 4,851,333, 7-25-89, Cl. 435-7.000.
Goldstein, Mark E.: *See—*
Govang, James A.; and Goldstein, Mark E., 4,877,137, Cl. 206-597.000.
Goldstein, Mark K.; and Dolnick, Earl M., to Quantum Group, Inc. Fuel valve control system. 4,806,095, 2-21-89, Cl. 431-54.000.
Goldstein, Mark K. Breast cancer detection model and method for using same. 4,867,686, 9-19-89, Cl. 434-267.000.
Goldstein, Nancy H. Dispenser and packaging for bandage strips. 4,807,753, 2-28-89, Cl. 206-390.000.
Goldstein, Richard, to Perma Power Electronics, Inc. Shock-protected battery cover assembly. 4,808,495, 2-28-89, Cl. 429-175.000.
Goldstein, Ronald E.; and Garber, David A. Two-grit cutting and polishing instruments. 4,830,615, 5-16-89, Cl. 433-166.000.
Goldstein, Seth R., to United States of America, Health and Human Services. Confocal scanning laser microscope having no moving parts. 4,827,125, 5-2-89, Cl. 250-234.000.
Goldstein, Steven G., to Rabbit Systems, Inc. Infra-sonic detector and alarm with self adjusting reference. 4,890,265, 12-26-89, Cl. 367-94.000.
Goldstein, Vladimir, to Sunwell Engineering Company Limited. Ice making machine. 4,796,441, 1-10-89, Cl. 62-354.000.
Goldstein, Vladimir L., to Sunwell Engineering Company Ltd. Corrugated plate heat exchanger. 4,802,530, 2-7-89, Cl. 165-94.000.
Goldstein, Vladimir L.; and Sukhwal, Ram N., to Sunwell Engineering Company Limited. Ice melting in thermal storage systems. 4,809,513, 3-7-89, Cl. 62-59.000.
Goldstein, Yeshayahu S. A.: *See—*
Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., 4,821,508, Cl. 60-203.100.
Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., 4,821,509, Cl. 60-203.100.
Goldstein, Yuri; Abdelsayed, William E.; and Cole, Paul D., to General DataComm, Inc. Branch metric algorithm for eight-dimensional signal constellation. 4,809,300, 2-28-89 Cl. 375-94.000.
Goldstein, Yuri, to General DataComm, Inc. Adaptive multiharmonic phase jitter compensation. 4,856,031, 8-8-89, Cl. 375-118.000.
Goldstone, Jeffrey A., to Rockwell International Corporation. Frequency adding lasers and optical amplifiers. 4,807,240, 2-21-89, Cl. 372-69.000.
Goldstone, Marc: *See—*
Bonke, Carl; Jen, Han; and Goldstone, Marc, 4,866,309, Cl. 307-475.000.
Goldstone, Robert J. Stacking hand luggage. 4,813,521, 3-21-89, Cl. 190-120.000.
Goldsworthy, Charles S.: *See—*
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Goldzweig, Abe. Hand or foot manipulated self clamping device. 4,874,156, 10-17-89, Cl. 269-158.000.
Goleczka, Joseph; Harris, Walter; and Pringle, John, to Coal Industry (Patents) Limited. Briquette treatment process. 4,877,418, 10-31-89, Cl. 44-600.000.
Golembiski, Francis H., to Aptec, Inc. Valve apparatus. 4,823,843, 4-25-89, Cl. 137-637.100.
Goletto, Jean: *See—*
Coquard, Jean; and Goletto, Jean, 4,826,951, Cl. 528-339.300.
Golfercise, Inc.: *See—*
Spoonster, Joseph R., Sr., deceased, 4,869,511, Cl. 273-194.00B.
Golfore Ltd.: *See—*
Bell, John A.; Wilson, Harold E.; and McSorley, Wilford L., 4,848,769, Cl. 273-184.00B.
Goliard, Francois: *See—*
Charbonnier, Jean; and Goliard, Francois, 4,889,177, Cl. 164-97.000.
Golias, Tipton, to Helena Laboratories Corporation. Method and apparatus for dispensing liquids. 4,811,866, 3-14-89, Cl. 222-189.000.
Golias, Tipton A.: *See—*
Mayes, Ronald A.; and Golias, Tipton A., 4,799,597, Cl. 215-250.000.
Golick, Leonard R.: *See—*
Blaushild, Ronald M.; Golick, Leonard R.; Samluk, Stephen L.; and Tome, Richard E., 4,797,247, Cl. 376-289.000.
Matusz, John M.; Golick, Leonard R.; and Matusz, Walter, 4,859,409, Cl. 376-463.000.
Golick, Martin L.: *See—*
Healy, Stephen F., Jr.; Rice, Michael L.; and Golick, Martin L., 4,816,410, Cl. 436-10.000.
Golicz, Roman M., to G.B.R. Ltd. Feeding mechanism. 4,799,663, 1-24-89, Cl. 271-199.000.
Golik, Jerzy, to Bristol-Myers Company. Esperamicin derivatives. 4,837,206, 6-6-89, Cl. 514-25.000.
Golike, Ralph C.; and Thies, Robert W., to Du Pont de Nemours, E. I., and Company. Multilayered polyolefin high shrinkage, low-shrink force shrink film. 4,865,902, 9-12-89, Cl. 428-215.000.
Golin, Stuart J.; Simon, Allen H.; Astle, Brian; and Keith, John M., to Intel Corporation. Adaptive digital video compression system. 4,868,653, 9-19-89, Cl. 358-133.000.
Golio, John M.; and Warren, David A., to Motorola, Inc. Direct optical injection locking circuitry utilizing optical oscillator tuning. 4,849,716, 7-18-89, Cl. 331-66.000.
Golkar, Homayun. Compartmented food container with handled partition. 4,836,367, 6-6-89, Cl. 206-200.000.
Golke, Keith W.; and Rabe, Robert L., to Honeywell Inc. Fuse status detection circuit. 4,837,520, 6-6-89, Cl. 324-550.000.
Goll, Manfred; and Wehner, Erkenbert, to Alfred Eves, GmbH. Induction generator. 4,849,728, 7-18-89, Cl. 336-92.000.
Golla, Franz, to Gewerkschaft Eisenhutte Westfalia GmbH. Method of, and apparatus for, applying sheet metal collars onto the nipples of anode bars. 4,803,768, 2-14-89, Cl. 29-417.000.
Golla, Rainer: *See—*
Streubel, Hans; Golla, Rainer; and Kolakowski, Manfred, 4,811,779, Cl. 164-418.000.
Golladay, James D.; and Elder, Joseph M., Jr. Hall effect liquid level sensing apparatus and method. 4,804,944, 2-14-89, Cl. 340-624.000.
Golladay, Steven D.; Hohn, Fritz J.; and Pfeiffer, Hans C., to International Business Machines Corporation. Electron beam contactless testing system with grid bias switching. 4,843,330, 6-27-89, Cl. 324-158.00R.
Gollahon, Robert J. Wood processing machine. 4,830,071, 5-16-89, Cl. 144-193.00A.
Gollan, Arye Z., to A/G Technology Corporation. Method for forming highly porous microporous structure and the resultant microporous structure. 4,859,334, 8-22-89, Cl. 210-500.230.
Golland, Wesley A.: *See—*
Baker, Joseph R.; Golland, Wesley A.; Mullens, Paul A.; and Trimble, Roger B., 4,877,179, Cl. 232-7.000.
Goller, Ernest; and Walker, Fritz, to H. Stoll GmbH & Co. Device for flatbed knitting machines for monitoring the knitwear for falling-off. 4,799,365, 1-24-89, Cl. 66-166.000.
Goller, Ernest; Ploppa, Jurgen; and Muller, Adam, to H. Stoll GmbH & Co. Apparatus for controlling the carriage drive motor of a flat bed knitting machine. 4,821,534, 4-18-89, Cl. 66-60.00R.

Goller, Ernst; and Walker, Fritz, to H. Stoll GmbH & Co. Knitted fabric winding-up device for flat knitting machines. 4,807,451, 2-28-89, Cl. 66-149.00R.

Goller, Ernst; Schmid, Franz; and Schmodde, Hermann, to H. Stoll GmbH & Co. Flat knitting machine. 4,827,739, 5-9-89, Cl. 66-64.000.

Goller, Ernst; and Walker, Fritz, to H. Stoll GmbH & Co. Procedure and device for ensuring a precisely positioned introduction of a substitute yarn in a knitting machine. 4,840,046, 6-20-89, Cl. 66-144.000.

Goller, Ernst; Wurst, Dieter; Kazmaier, Guenther; and Frei, Jochen, to H. Stoll GmbH & Co. Thread-guide arm. 4,858,446, 8-22-89, Cl. 77-126.00R.

Goller, Ernst; and Walker, Fritz, to H. Stoll GmbH & Co. Thread-tensioning and guide device for flat knitting machines. 4,869,079, 9-26-89, Cl. 66-146.000.

Goller, Ernst: *See—*

Stoll, Heinz P.; Stoll, Thomas; and Goller, Ernst, 4,866,954, Cl. 66-115.000.

Gollestani, Maria. Therapeutic body suit. 4,802,469, 2-7-89, Cl. 128-98.100.

Golley, Frank B.: *See—*

Snoke, Phillip J.; and Golley, Frank B., 4,830,386, Cl. 280-38.000.

Gollinger, Franz X.; and Bock, Georg, to M.A.N.-Roland Druckmaschinen AG. Multi-liquid control valve system, particularly for flexographic ink of different colors. 4,798,228, 1-17-89, Cl. 137-625.470.

Gollon, Peter J. Tag. 4,856,819, 8-15-89, Cl. 283-79.000.

Gollon, Peter J. Tag. 4,865,352, 9-12-89, Cl. 283-79.000.

Golob, Jurgen; and Franke, Wolfgang, to Braun Aktiengesellschaft. Shredding or slicing tool arrangement for cutting food material, in particular for food processors. 4,877,191, 10-31-89, Cl. 241-92.000.

Golobish, Thomas D.: *See—*

Stack, Gary P.; Golobish, Thomas D.; and Abou-Gharbia, Magid A., 4,797,488, Cl. 544-295.000.

Goloub, Eli: *See—*

Jacobson, Amnon; Goloub, Eli; and Sharony, Jacob, 4,847,596, Cl. 340-550.000.

Jacobson, Amnon; Goloub, Eli; and Sharony, Jacob, 4,867,820, Cl. 156-101.000.

Golov, Veniamin G.: *See—*

Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.

Golovko, Viktor A.; Valts, Semen P.; Lekhno, Alexandr M.; Tetior, Alexandr N.; and Barykin, Boris J., to Simferopolsky Filial Dnepropetrovskogo Inzhenerno-Stroitelnogo Instituta. Foundation of a building or installation erected across a ravine extending along a slope. 4,796,398, 1-10-89, Cl. 52-169.200.

Golowash, Victor, to Electrical Equipment, Inc. High voltage contact assembly. 4,806,716, 2-21-89, Cl. 200-244.000.

Golson, Steven E.: *See—*

Griffith, Scott J.; and Golson, Steven E., 4,857,768, Cl. 307-443.000.

Goltz, Kurt, to Pennwalt Corporation. Etching of copper and copper bearing alloys. 4,859,281, 8-22-89, Cl. 156-666.000.

Golub, Jeff E. Dental process with treated fabric. 4,799,888, 1-24-89, Cl. 433-215.000.

Goluba, James I., to Brunswick Corporation. Marine engine driveshaft coupling. 4,832,637, 5-23-89, Cl. 440-83.000.

Golubic, Theodore R., to Motorola Inc. Three dimensional interconnected integrated circuit. 4,801,992, 1-31-89, Cl. 357-40.000.

Golubic, Theodore R., to Motorola Inc. Positive stop, pick up tool. 4,832,784, 5-23-89, Cl. 156-497.000.

Golyakhovsky, Vladimir; and Lerner, Robert. Disposable vascular occluder. 4,800,879, 1-31-89, Cl. 128-325.000.

Golz, Jack L.: *See—*

Meisenburg, Gary L.; Bertram, Francis E.; and Golz, Jack L., 4,872,531, Cl. 184-6.400.

Gomann, Rolf; Schluter, Karl-Heinz; and Menge, Gunther, to Korber AG. Apparatus for transporting and removing samples from a stream of cigarettes or the like. 4,825,994, 5-2-89, Cl. 198-370.000.

Gombar, Eugene,, to Jackson Products Company. Hand actuated connect/disconnect spray arm arrangement for a dishwasher. 4,869,428, 9-26-89, Cl. 239-261.000.

Gombas, Robert P.: *See—*

Duggan, John A.; and Gombas, Robert P., 4,811,520, Cl. 49-409.000.

Gomberg, Henry J., to Penetron, Inc. Method and apparatus for the noninvasive interrogation of objects. 4,864,142, 9-5-89, Cl. 250-390.040.

Gombert, Guido: *See—*

Kallabis, Manfred; and Gombert, Guido, 4,840,633, Cl. 623-23.000.

Gombert, Jean; Quinty, Christian; Gazard, Maryse; and Blaison, Serge, to Thomson-CSF. Method for the impervious metallic coating of an optic fiber and device. 4,853,258, 8-1-89, Cl. 427-169.000.

Gombrich, Peter P.; and Robbins, Ernest E., to CliniCom Incorporated. Flat panel display monitor apparatus. 4,814,759, 3-21-89, Cl. 340-771.000.

Gombrich, Peter P.; and Seeland, Donna L., to CliniCom Incorporated. Method and apparatus for attaching bar code indicia on items. 4,818,850, 4-4-89, Cl. 235-494.000.

Gombrich, Peter P.; Beard, Richard J.; Griffee, Richard A.; Wilson, Thomas R.; Zook, Ronald E.; and Hendrickson, Max S., to CliniCom Incorporated. Patient care system. 4,835,372, 5-30-89, Cl. 235-375.000.

Gombrich, Peter P.; Zook, Ronald E.; and Hendrickson, Max S., to CliniCom Incorporated. Patient identification and verification system and method. 4,857,716, 8-15-89, Cl. 235-462.000.

Gombrich, Peter P.: *See—*

Zook, Ronald E.; and Gombrich, Peter P., 4,850,009, Cl. 379-96.000.

Gomeigaisha Kurose & Co.: *See—*

Kurose, Kazutoshi, 4,833,839, Cl. 52-39.000.

Gomel, Bernard: *See—*

Pomies, Jean-Pierre; and Gomel, Bernard, 4,800,936, Cl. 144-3.00D.

Gomes, Daniel, to Abra, Inc. Pivot hinge. 4,807,330, 2-28-89, Cl. 16-261.000.

Gomes, Gary D., to Ampex Corporation. Precision device for soft clipping AC and DC signals. 4,877,981, 10-31-89, Cl. 307-555.000.

Gomes, Gilbert S.: *See—*

Dreisbach, David D.; and Gomes, Gilbert S., 4,846,933, Cl. 162-168.100.

Dreisbach, David D.; and Gomes, Gilbert S., 4,871,424, Cl. 162-168.100.

GOMEX VERKTYG AB: *See—*

Eklof, Mats; Granlund, Eje; and Wikner, Gunnar, 4,867,025, Cl. 83-835.000.

Gomez, Daniel: *See—*

Gailly, Jean-Marc; Gomez, Daniel; Burguiene Martine; Gens Andre ; and Remy, Jean, 4,867,977, Cl. 424-687.000.

Gomez-Estevez, Camilo: *See—*

Villavicencio, Eduardo J.; and Gomez-Estevez, Camilo, 4,889,591, Cl. 162-20.000.

Gomez, Gustavo J. Nonfiltering facial separation barrier. 4,867,140, 9-19-89, Cl. 128-858.000.

Gomez, Juan J. A.: *See—*

Piera, Daniel A.; and Gomez, Juan J. A., 4,865,527, Cl. 417-368.000.

Gomez-Marcial, Antonio. Insect netting for a crib or the like. 4,862,534, 9-5-89, Cl. 5-414.000.

Gomez, Pompeyo B., to Industrias John Deere, S.A. de C.V. Bidirectional moldboard plow with moldboard frame including guide member. 4,800,963, 1-31-89, Cl. 172-219.000.

Gomez-Sanchez, Abel: *See—*

Montemayor-Quiroga, Jose A.; Ruiz-Torres, Maximiano F.; and Gomez-Sanchez, Abel, 4,830,653, Cl. 65-260.000.

Gomi, Chikashi, to Kitz Corporation. Pipe joint. 4,801,158, 1-31-89, Cl. 285-52.000.

Gomi, Fukuo: *See—*

Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,826,569, Cl. 162-102.000.

Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,874,495, Cl. 204-212.000.

Gomi, Takayuki; and Kitamura, Fumio, to Kitamura Kiden Co., Ltd. Apparatus for controlling traverse position of running strip. 4,844,312, 7-4-89, Cl. 226-21.000.

Gomi, Toyoji; and Yamada, Kozo. Anti-shoplifting system. 4,800,369, 1-24-89, Cl. 340-572.000.

Gomibuchi, Tadashi: *See—*

Yamato, Yoshihiro; and Gomibuchi, Tadashi, 4,850,696, Cl. 356-237.000.

Gomm, William E.: *See—*

Vincent, Steve M.; Behling, Gerald R.; Hood, Thomas G.; and Gomm, William E., 4,853,264, Cl. 428-34.000.

Gomoll, Guenter; and Hauslaib, Wolfgang, to Mannesmann AG. Paper feeding in printers. 4,834,277, 5-30-89, Cl. 226-101.000.

Gomoll, Gunter; and Hauslaib, Wolfgang, to Mannesmann AG. Device for tensioning of a pulling element of a printer. 4,883,445, 11-28-89, Cl. 474-113.000.

Gomoll, Gunter; and Hauslaib, Wolfgang, to Mannesmann AG. Device for the paper transport of single sheets and/or continuous paper in office machines, in particular in matrix printers. 4,889,270, 12-26-89, Cl. 226-181.000.

Gompper, Klaus, to Kernforschungszentrum Karlsruhe GmbH. Process for denitrating aqueous, nitric acid and salt containing waste solutions. 4,824,607, 4-25-89, Cl. 252-631.000.

Goncalves, Antonin, to L'Oreal. Flexible bottle making it possible to effect spraying or drop by drop dispensing of a liquid contained therein. 4,809,914, 3-7-89, Cl. 239-327.000.

Goncalves, Antonin; and Osmond, Philippe, to L'Oreal. Device for manually massaging the cutaneous covering. 4,811,726, 3-14-89, Cl. 128-57.000.

Goncalves, Antonin; and Osmond, Philippe, to L'Oreal. Device for manually massaging the cutaneous covering. 4,823,777, 4-25-89, Cl. 128-57.000.

Goncalves, Antonin, to L'Oreal. Dispensing container including a brush-type applicator. 4,848,946, 7-18-89, Cl. 401-131.000.

Gonchar, Valery I.: *See—*

Nurmamedov, Narzy N.; Gonchar, Valery I.; Bazarov, Babamurad A.; Nurmukhamedov, Arslan; Skrylnikova, Irina V.; Mustaev, Ilyas A.; and Varshavsky, Valery L., 4,871,362, Cl. 623-6.000.

Gonchoroff, Nick J.: *See—*

Evans, Elizabeth L.; Gonchoroff, Nick J.; Greipp, Philip R.; Houck, David W.; Katzmann, Jerry A.; Kyle, Robert A.; and Loken, Michael R., 4,885,237, Cl. 435-6.000.

Gonda, Gerald J.; and Farkas, Gregory J., to Tri-Tronics, Inc. Method and apparatus for remote control of animal training stimulus. 4,802,482, 2-7-89, Cl. 119-29.000.

Gonda, Hideyuki, to Sanden Corporation. Electromagnetic clutch with impact absorbing connector. 4,808,870, 2-28-89, Cl. 310-78.000.

Gonda, Hideyuki: *See—*

Sugimoto, Kazuo; and Gonda, Hideyuki, 4,808,094, Cl. 418-1.000.

Gonda, Michihiro: *See—*

Abe, Toshiyuki; Kikkawa, Katsumasa; Gonda, Michihiro; Sensui, Hideyuki; and Kanasugi, Mikiko, 4,839,334, Cl. 503-221.000.

Gonda, Tsunemi: *See—*

Morohashi, Kazuo; Miyake, Nobuyuki; and Gonda, Tsunemi, 4,798,457, Cl. 351-235.000.

Gonda, Walter S. Double hook logging chain assembly. 4,865,374, 9-12-89, Cl. 294-82.230.

Gondar, Robert K.; and Jacobs, Philip J., to United Technologies Corporation. Composite tool having wear indicator. 4,886,009, 12-12-89, Cl. 116-208.000.

Gondek, Konrad: *See—*

Breuer, Edgar; Costello, Philip; Gondek, Konrad; Hauswirth, Andreas; and Schmid, Richard, 4,850,761, Cl. 409-132.000.

Gondo, Hiroyuki: *See—*

Mochizuki, Akihiro; Iwasaki, Masayuki; Yamagishi, Yasuo; Ikegami, Kasumi; Gondo, Hiroyuki; and Yamaguchi, Hisashi, 4,812,034, Cl. 383-122.000.

Gondos, Laszlo : *See—*

Bohus, Peter; Bihari, Ferenc; Kertesz nee Szabo, Marianna; Kuronya, Istvan; Boros, Peter; Szulagyi, Janos; Meszaros, Jeno ; Eifert, Gyula; Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos, Laszlo , 4,806,151, Cl. 71-111.000.

Gondring, Kim A.: *See—*

Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.; Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.

Gonella, Federico. High capacity collapsible container. 4,801,079, 1-31-89, Cl. 229-174.000.

Gonella, Mario: *See—*

Sartor, Mariano; and Gonella, Mario, 4,885,850, Cl. 36-119.000.

Gonet, Patrick: *See—*

Servel, Michel; Gonet, Patrick; and Francois, Joel, 4,884,264, Cl. 370-58.100.

Gong, Hee-Chul: *See—*

Ahn, Jung-ku; Kim, Jong-ahn; Paik, Jong-Kwan; and Gong, Hee-Chul, 4,870,507, Cl. 358-316.000.

Gong, Helene: *See—*

Tortorello, Anthony J.; and Gong, Helene, 4,847,314, Cl. 524-317.000.

Gong, William: *See—*

Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,813,255, Cl. 72-19.000.

Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,821,157, Cl. 362-241.000.

Gong, Yeong D.: *See—*

Hwang, Ki J.; Gong, Yeong D.; and Kim, Gil H., 4,822,779, Cl. 514-94.000.

Gong, Yeou-Wei: *See—*

Jian, Cheng-Ming, 4,834,402, Cl. 280-1.175.

Gongora, Henri; and Darche, Yves, to Societe Nationale Elf Aquitaine (Production). Process for the production of organic polysulphides and catalyst system for its use. 4,876,389, 10-24-89, Cl. 568-26.000.

Gongwer, Calvin A.; and Gongwer, Robert C., to Innerspace Corporation. Exercise pole with cross members. 4,834,364, 5-30-89, Cl. 272-93.000.

Gongwer, Calvin A. Watercraft propulsion system. 4,887,540, 12-19-89, Cl. 114-57.000.

Gongwer, Robert C.: *See—*

Gongwer, Calvin A.; and Gongwer, Robert C., 4,834,364, Cl. 272-93.000.

Gonner, Siegmar, to Gatterlinck GmbH & Co. KG. Conveying apparatus for tree trunks. 4,801,002, 1-31-89, Cl. 198-698.000.

Gonner, Siegmar. Apparatus for producing thin boards. 4,825,917, 5-2-89, Cl. 144-3.00P.

Gonner, Winfried; Kolb, Bruno; and Machata, Gottfried, to Bodenseewerk Perkin-Elmer & Co., GmbH. Device for sampling breath air at the workplace. 4,818,489, 4-4-89, Cl. 422-84.000.

Gonner, Winfried, to Perkin-Elmer Corporation, The. Apparatus for examination of heats of transformation of material samples. 4,874,250, 10-17-89, Cl. 374-43.000.

Gonnet, Olivier; Ravet, Georges; and Rousset, Jacky, to Coatex, S.A. Grinding agent based and/or copolymers for aqueous suspension of coarse mineral materials for pigment applications. 4,840,985, 6-20-89, Cl. 524-425.000.

Gonnet, Olivier; Ravet, Georges; and Rousset, Jacky, to Coatex, S.A. Grinding agent based upon neutralized acrylic polymers and/or copolymers for aqueous suspensions of coarse mineral materials for pigments applications. 4,868,228, 9-19-89, Cl. 523-333.000.

Gonsalves, Edward M.: *See—*

Blankenship, Gene E.; Gonsalves, Edward M.; Kawate, Keith W.; Sacarisen, Stephen P.; Giolma, William H.; and Spanjol, Dauair A., 4,827,242, Cl. 340-450.000.

Cobb, Carleton M., III; Hirsbrunner, Hans G.; Gonsalves, Edward M.; Jenne, Richard L.; and Nott, Sepideh H., 4,812,799, Cl. 337-70.000.

Cobb, Carleton M., III; Hirsbrunner, Hans G.; Gonsalves, Edward M.; Jenne, Richard L.; and Nott, Sepideh H., 4,837,545, Cl. 337-66.000.

Gonsalves, Kenneth E., to GAF Corporation. Synthesis of iron-cobalt powders. 4,842,641, 6-27-89, Cl. 75-0.5AA.

Gonsalves, Patrick. Milk calf feeding system with automatic cleaning cycle. 4,803,955, 2-14-89, Cl. 119-71.000.

Gonser, Donald I., to Dentsply Research & Development Corp. Method for providing direct cool beam incident light on dental target. 4,836,782, 6-6-89, Cl. 433-229.000.

Gonthier, Emile: *See—*

Daigle, Clement; and Gonthier, Emile, 4,842,785, Cl. 269-35.000.

Daigle, Clement; and Gonthier, Emile, 4,854,543, Cl. 249-95.000.

Gontier, Bruno, to Societe Electronique de la Region Pays de Loire. Tin-soldering machine with automatic wave barrier for printed circuit boards. 4,858,816, 8-22-89, Cl. 228-34.000.

Gontowski, Walter S., to Cherry Semiconductor Corporation. Multiple function driver circuit. 4,820,935, 4-11-89, Cl. 307-112.000.

Gontowski, Walter S., to Cherry Semiconductor Corporation. Under voltage lockout circuit for switching mode power supply. 4,887,022, 12-12-89, Cl. 323-284.000.

Gontowski, Walter S., Jr.; Redl, Richard; and Sokal, Nathan O., to Cherry Semiconductor Corporation. Over-current timer modulator. 4,819,122, 4-4-89, Cl. 361-93.000.

Gontowski, Walter S., Jr., to Cherry Semiconductor Corporation. Voltage controllable current source. 4,885,525, 12-5-89, Cl. 323-315.000.

Gonzaga, Rafael T.: *See—*

Cabanos, Phil A.; Gonzaga, Rafael T.; and Rado, Gordon E., 4,850,570, Cl. 254-337.000.

Gonzales, Abe P., to MRW Partnership. Blowout control means. 4,828,025, 5-9-89, Cl. 166-95.000.

Gonzales, Anthony. Saddle pad construction. 4,827,701, 5-9-89, Cl. 54-66.000.

Gonzales, Benjamin C.: *See—*

Gonzales, Charles B.; and Gonzales, Benjamin C., 4,822,039, Cl. 272-146.000.

Gonzales, Cesar A.; Mitchell, Joan L.; and Pennebaker, William B., Jr., to International Business Machines Corporation. Compression and de-compression of column-interlaced, row-interlaced gray level digital images. 4,870,695, 9-26-89, Cl. 382-56.000.

Gonzales, Charles B.; and Gonzales, Benjamin C. Pivoting leg and arm exercise device. 4,822,039, 4-18-89, Cl. 272-146.000.

Gonzales, Manuel, Jr.: *See—*

Tazewell, Joseph H.; Christenson, Christopher P.; Turner, Robert B.; and Gonzales, Manuel, Jr., 4,843,138, Cl. 528-52.000.

Gonzales-Oliver, Carlos, to Battelle Memorial Institute. Method for manufacturing aluminosilicate optical glass. 4,851,023, 7-25-89, Cl. 65-3.140.

Gonzales, Thomas R. Marine life trap. 4,831,774, 5-23-89, Cl. 43-100.000.

Gonzalez-Alvarez, Cesar; and Gonzalez-Alvarez, Juan. Bed convertible into espaliers for the practice of gymnastics. 4,829,610, 5-16-89, Cl. 5-2.00R.

Gonzalez-Alvarez, Juan: *See—*

Gonzalez-Alvarez, Cesar; and Gonzalez-Alvarez, Juan, 4,829,610, Cl. 5-2.00R.

Gonzalez-Blasquez, Ignacio: *See—*

Letemps, Bernard; and Gonzalez-Blasquez, Ignacio, 4,820,327, Cl. 65-104.000.

Gonzalez, Carlos F., to Microlife Technics, Inc. Method for inhibiting bacterial spoilage and resulting compositions. 4,883,673, 11-28-89, Cl. 424-195.100.

Gonzalez, Carlos H.: *See—*

McClanahan, Robert F.; Washburn, Robert D.; Gonzalez, Carlos H.; Sze, Jerry C.; and Lusher, David M., 4,841,429, Cl. 363-126.000.

Gonzalez, Eugene, Jr.: *See—*

Smay, John W.; Yocum, John F., Jr.; and Gonzalez, Eugene, Jr., 4,824,052, Cl. 244-170.000.

Gonzalez, Fernando, to Micron Technology, Inc. Low-profile, folded-plate dram-cell capacitor fabricated with two mask steps. 4,864,464, 9-5-89, Cl. 361-311.000.

Gonzalez, Henry, Jr.: *See—*

Shepherd, Freddie A.; Gonzalez, Henry, Jr.; and Hess, Steven L., 4,835,214, Cl. 525-58.000.

Gonzalez, Jose R.; Vaughan, Connie J.; and Gonzalez, Mary Jo R. Punishment wheel. 4,834,657, 5-30-89, Cl. 434-238.000.

Gonzalez-Justiz, Clara E. Self service dispensing assembly for lottery tickets. 4,833,307, 5-23-89, Cl. 235-375.000.

Gonzalez-Lopez, Jorge; and Liang, Bob C., to International Business Machines Corporation. Hidden line removal method with modified depth buffer. 4,855,938, 8-8-89, Cl. 364-522.000.

Gonzalez-Lopez, Jorge, to International Business Machines Corporation. Image display processor for graphics workstation. 4,862,154, 8-29-89, Cl. 340-747.000.

Gonzalez-Lopez, Jorge; Hempel, Bruce C.; and Liang, Bob C., to International Business Machines Corporation. Pipelined lighting model processing system for a graphics workstation's shading function. 4,866,637, 9-12-89, Cl. 364-518.000.

Gonzalez-Lopez, Jorge: *See—*

Liang, Bob C.; and Gonzalez-Lopez, Jorge, 4,805,116, Cl. 364-521.000.

Gonzalez, Manuel A.; and Hutchins, David L., to Honeywell, Inc. Underwater acoustical transducer. 4,797,863, 1-10-89, Cl. 367-157.000.

Gonzalez, Mary Jo R.: *See—*

Gonzalez, Jose R.; Vaughan, Connie J.; and Gonzalez, Mary Jo R., 4,834,657, Cl. 434-238.000.

Gonzalez, Mauricio: *See*—

Alcaraz, Alfonso; Aguilar, Gerardo; Gonzalez, Mauricio; and Elizarraraz, Antonio, 4,889,210, Cl. 186-38.000.

Gonzalez, Rafael C.; and Herrera, Juan A., to Perceptics Corporation. Apparatus for reading a license plate. 4,817,166, 3-28-89, Cl. 382-1.000.

Gonzalez, Rene A. A.; Budnowski, Manfred; Herold, Julius; Rutzen, Horst; Schneider, Eberhard; and Seltmann, Hans-Guenter, to Henkel Kommanditgesellschaft auf Aktien. Aminofatty acid amides from the reaction of an epoxidized fatty acid ester width a polyfunctional amine, and use as a crosslinking agent. 4,829,142, 5-9-89, Cl. 528-111.000.

Gonzalez, Rene- Andres A.; Emmerling, Winfried; Podola, Tore; and Neitzer, Klaus, to Henkel Kommanditgesellschaft auf Aktien. Process for the production of oligourethanes containing terminal mercapto groups. 4,820,789, 4-11-89, Cl. 528-55.000.

Gonzalez, Rene-Andres A.; Emmerling, Winfried; Krause, Werner; Podola, Tore; and Neitzer, Klaus, to Henkel Kommanditgesellschaft auf Aktien. Process for the production and purification of SH-terminated prepolymers and use thereof. 4,861,863, 8-29-89, Cl. 528-408.000.

Gonzalez, ReneA. A.; Nicolaisen, Heinz-Christian; and Kammer, Lothar, to Henkel Kommanditgesellschaft auf Aktien. Photoinitiator crosslinkable monomer compositions as adhesives and method of using. 4,882,001, 11-21-89, Cl. 156-273.300.

Gonzalez, Roberto; and Apfelbaum, Lawrence S., to Teradyne, Inc. Diagnosis of faults on circuit board. 4,857,833, 8-15-89, Cl. 324-73.00k.

Gonzalez, Samuel. Plant care apparatus. 4,829,708, 5-16-89, Cl. 47-39.000.

Gonzalez, Teodoro J., to Price Pfister, Inc. Flow restrictor. 4,801,094, 1-31-89, Cl. 239-553.300.

Gonzalez, Teodoro J., to Price Pfister, Inc. Showerhead apparatus. 4,850,539, 7-25-89, Cl. 239-558.000.

Gonzenbach, Hans U. Selective chlorination of para-tertiary-butytoluene. 4,853,489, 8-1-89, Cl. 570-197.000.

Gonzenbach, Hans U.: *See*—

Baudin, Josianne; and Gonzenbach, Hans U., 4,804,776, Cl. 560-51.000.

Goo, Paul E. Video game control unit and attitude sensor. 4,817,950, 4-4-89, Cl. 273-148.00B.

Gooch, Don: *See*—

George, Albert L.; and Gooch, Don, 4,798,020, Cl. 43-6.500.

Gooch, Douglas C.; and Morscheck, Timothy J., to Eaton Corporation. Torque converter lock-up and disconnect clutch structure. 4,860,861, 8-29-89, Cl. 192-3.260.

Gooch, John P.: *See*—

Altman, Ralph F.; Gooch, John P.; Dismukes, Edward B.; and Landham, Edward C., Jr., 4,872,887, Cl. 55-5.000.

Gooch, Timothy D.: *See*—

Heide, Jorgan; Gooch, Timothy D.; Prescott, Anthony D.; Sander, Thomas W.; Davidson, Jim; and Renz, Eric A., 4,800,884, Cl. 128-419.00R.

Heide, Jorgen; Gooch, Timothy D.; Prescott, Anthony D.; and Bojrab, Dennis, 4,840,178, Cl. 128-419.00R.

Gooch, William E. Styrofoam ball advertising display apparatus and method. 4,860,477, 8-29-89, Cl. 40-603.000.

Good, David M., to Voxcom, Inc. Liner reinforced hang tab. 4,863,128, 9-5-89, Cl. 248-205.300.

Good, Garry R., to Allied Products Corporation. Cultivator disc adjuster. 4,815,544, 3-28-89, Cl. 172-430.000.

Good, Hans P.: *See*—

Krueger, Hans; and Good, Hans P., 4,800,568, Cl. 372-99.000.

Good, Harold M. Heat exchanger for grain elevators or bins. 4,821,428, 4-18-89, Cl. 34-86.000.

Good, James L., to Miller Brewing Company. Packaging machine and method. 4,817,364, 4-4-89, Cl. 53-374.000.

Good, Mark D. Pin jet nozzle. 4,869,430, 9-26-89, Cl. 239-524.000.

Good, Michael A.; Berzofsky, Jay; and Miller, Louis H., to United States of America, Health and Human Services. Malarial immunogen. 4,886,782, 12-12-89, Cl. 514-12.000.

Good, William E.: *See*—

True, Thomas T.; and Good, William E., 4,802,735, Cl. 350-162.120.

Good, William R.; Mikes, John; and Sikora, Joseph, to Ciba-Geigy Corporation. Hydrogels with increased organic solvent soluble active agent loading capacity, their preparation and the use thereof. 4,873,086, 10-10-89, Cl. 424-409.000.

Good, William R.: *See*—

Kurihara-Bergstrom, Tamie; Good, William R.; and Ebert, Charles D., 4,853,227, Cl. 424-443.000.

Goodacre, Brita C.; and Smithson, Alan, to Tate & Lyle Public Limited Company. Sugar process. 4,861,382, 8-29-89, Cl. 127-60.000.

Goodale, Clark W., to American-National Watermattress Corporation. Mattress cover having colored backing. 4,794,658, 1-3-89, Cl. 5-448.000.

Goodale, Clarke W., to American-National Watermattress Corporation. Hybrid watermattress having concave softsides. 4,799,277, 1-24-89, Cl. 5-451.000.

Goodale, David L.: *See*—

Sohn, Chul H.; and Goodale, David L., 4,855,088, Cl. 261-53.000.

Goodall, Brian L.; and Grotenhuis, Paulus A. M., to Shell Oil Company. Recovery of transition metals from aqueous solutions. 4,880,546, 11-14-89, Cl. 210-699.000.

Goodall, Donald T. Liquid dispenser. 4,804,119, 2-14-89, Cl. 222-468.000.

Goodall, Donald T. Inserts for fixing into openings. 4,809,870, 3-7-89, Cl. 220-288.000.

Goodall, George H.; and Gillespie, Barry E., to British Nuclear Fuels PLC. Decontamination of surfaces. 4,839,100, 6-13-89, Cl. 252-626.000.

Goodall, Melvyn J.; and Kemp, Colin N. Movable seat arrangement. 4,815,785, 3-28-89, Cl. 296-65.100.

Goodall, S. Richard, to Distibutors Processing, Inc. Yucca extract grain tempering mixture and process. 4,828,860, 5-9-89, Cl. 426-309.000.

Goodard, Dan J.: *See*—

Carpenter, Brent, 4,885,808, Cl. 2-452.000.

Goodbody, Anne E.; Watson, Colin D.; and Misawa, Masanaru, to Allelix, Inc. Extraction of alkaloids of *Catharanthus roseus* tissue. 4,831,133, 5-16-89, Cl. 540-478.000.

Goodbred, Neil G.: *See*—

Borlinghaus, Hans J.; Orlowsky, Michael G.; Goodbred, Neil G.; Humer, Mladen; and Cooper, Steven J., 4,881,827, Cl. 384-47.000.

Goodby, John W.; and Patel, Jayantilal S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Ferroelectric liquid crystal devices. 4,867,539, 9-19-89, Cl. 350-350.00S.

Goodchild, Edward J. G.; Standford, Richard T. A.; and Biggs, Roger T., to British Aerospace Public Limited Company. Phase-shift keyed carrier recovery. 4,829,260, 5-9-89, Cl. 329-50.000.

Goodchild, Graham H.: *See*—

Crossley, Peter W.; Fellerman, Bernard F.; and Goodchild, Graham H., 4,864,104, Cl. 219-464.000.

Crossley, Peter W.; Fellerman, Bernard F.; and Goodchild, Graham H., 4,868,371, Cl. 219-464.000.

Goodchild, John; and Zamecnik, Paul C., to Worcester Foundation for Experimental Biology. Inhibition of HTLV-III by exogenous oligonucleotides. 4,806,463, 2-21-89, Cl. 435-5.000.

Goodchild, John: *See*—

Narang, Saran A.; Goodchild, John; and Bukhari, Ahmad I., deceased, 4,830,965, Cl. 435-172.300.

Goodchild, William C.: *See*—

Packard, Thomas D.; and Goodchild, William C., 4,851,069, Cl. 156-284.000.

Goode, Barry L., to Air Plus, Inc. Closed loop feedback air supply for air support beds. 4,797,962, 1-17-89, Cl. 5-453.000.

Goode, Gary D. Cable release system for marine craft. 4,827,861, 5-9-89, Cl. 114-251.000.

Goode, George E.: *See*—

Pond, Eugene W.; Rush, Jeffrey R.; Watson, John D.; Woodall, Bruce A.; Goode, Walter M.; and Goode, George E., 4,864,616, Cl. 380-25.000.

Goode, Henry C.: *See*—

Krumwiede, John F.; and Goode, Henry C., 4,818,265, Cl. 65-135.000.

Goode, Mark G.; Hasenberg, Daniel M.; McNeil, Thomas J.; and Spriggs, Thomas E., to Union Carbide Corporation. Method for reducing sheeting during polymerization of alpha-olefins. 4,803,251, 2-7-89, Cl. 526-59.000.

Goode, Mark G.: *See*—

Kao, Sun-Chueh; Cann, Kevin J.; Karol, Frederick J.; Marcinkowsky, Arthur E.; Goode, Mark G.; and Theobald, Eugene H., 4,845,067, Cl. 502-119.000.

Goode, Peter A.; and Stevenson, David R., to Alcatel N.V. Telephone line switch. 4,815,126, 3-21-89, Cl. 379-359.000.

Goode, Stephen T.; Linton, Robert R.; and Baiocchi, Fred, to R.I.T.A Corporation. Cosmetic base composition with therapeutic properties. 4,822,601, 4-18-89, Cl. 424-59.000.

Goode, Walter M.: *See*—

Pond, Eugene W.; Rush, Jeffrey R.; Watson, John D.; Woodall, Bruce A.; Goode, Walter M.; and Goode, George E., 4,864,616, Cl. 380-25.000.

Goode, William B., to Teledyne Industries, Inc. Valve design to reduce cavitation and noise. 4,860,993, 8-29-89, Cl. 251-127.000.

Goodell, Jeffrey W. Curtain supporting bracket. 4,875,650, 10-24-89, Cl. 248-261.000.

Goodell, Rick B., to Branick Industries, Inc. Apparatus for determining the alignment of vehicle wheels. 4,827,623, 5-9-89, Cl. 33-288.000.

Goodfellow, Anthony G.; and Wright, Anthony R., to W&A Bates Limited. Apparatus for handling sheet material. 4,840,697, 6-20-89, Cl. 156-405.100.

Goodfellow, Douglas J.; and Utberg, Daniel N., to American Telephone and Telegraph Company. Digital video encoder. 4,866,510, 9-12-89, Cl. 358-13.000.

Goodfellow, Robert C.: *See*—

Davis, Richard; Goodfellow, Robert C.; and Morgan, Peter J., 4,867,371, Cl. 228-160.000.

Goodfriend, Roger: *See*—

Angulo, Earl D.; and Goodfriend, Roger, 4,823,793, Cl. 128-328.000.

Goodhue, William D., to Massachusetts Institute of Technology. Tapered laser or waveguide optoelectronic method. 4,855,255, 8-8-89, Cl. 437-129.000.

Goodhue, William D.: *See*—

Aull, Brian F.; and Goodhue, William D., 4,848,880, Cl. 350-355.000.

Hollis, Mark A.; Goodhue, William D.; Nichols, Kirby B.; and Bergeron, Normand J., Jr., 4,839,310, Cl. 437-41.000.

Goodin, John W., to Skyway Luggage Company. Apparatus to reinforce the frame of luggage. 4,823,924, 4-25-89, Cl. 190-119.000.

Goodin, Richard L.: *See*—

Rydell, Mark A.; and Goodin, Richard L., 4,844,092, Cl. 128-772.000.

Gooding, Addison: *See*—

Lowe, Archie H.; Gooding, Addison; and Culwell, William S., 4,847,536, Cl. 315-127.000.

Gooding, P. G. Composite beams. 4,885,892, 12-12-89, Cl. 52-690.000.

Gooding, Robert J. Anti-chafe supporting of flexible tubular articles. 4,819,897, 4-11-89, Cl. 248-68.100.

Goodknight, Frank: *See*—

Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.

Goodley, Paul C. On-axis electron acceleration electrode for liquid chromatography/mass spectrometry. 4,851,700, 7-25-89, Cl. 250-288.000.

Goodliffe, Brian C.: *See*—

Bissett, Malcolm G.; and Goodliffe, Brian C., 4,866,860, Cl. 36-28.000.

Goodman, Alan S.: *See*—

Stein, Israel M.; Goodman, Alan S.; and Romanow, Richard, 4,886,164, Cl. 206-366.000.

Goodman, Allan L.; Green, Morris H.; Jolley, Matthew J.; Teitzel, Robin L.; and Wipfli, John L., to ATEQ Corporation. Rasterizer for pattern generator. 4,806,921, 2-21-89, Cl. 340-747.000.

Goodman, Alvin M.: *See*—

Goodman, Lawrence A.; and Goodman, Alvin M., 4,837,606, Cl. 357-23.400.

Goodman, Barry I. Vertical blind slats, and assemblies and components thereof. 4,842,036, 6-27-89, Cl. 160-166.100.

Goodman, David A.: *See*—

White, Philip J.; and Goodman, David A., 4,806,826, Cl. 313-631.000.

Goodman, David C.: *See*—

Cowan, Michael L.; and Goodman, David C., 4,812,672, Cl. 307-64.000.

Goodman, David E.; and Corenman, James E., to Nellcor Incorporated. Method and apparatus for detecting optical pulses. 4,802,486, 2-7-89, Cl. 128-633.000.

Goodman, David E.; Corenman, James E.; New, William, Jr.; and Yelderman, Mark, to Nellcor Incorporated. Sensor having cutaneous conformance. 4,830,014, 5-16-89, Cl. 128-665.000.

Goodman, David J. Radio alarm system. 4,864,277, 9-5-89, Cl. 340-539.000.

Goodman, Donald: *See*—

Koenig, Erl, 4,806,834, Cl. 318-523.000.

Goodman, E. Carl: *See*—

Johnson, Ronald F.; Smart, J. A.; Goodman, E. Carl; and Bowles, Richard, 4,834,161, Cl. 160-84.100.

Goodman, Gerald: *See*—

Garris, Sidney J.; Conner, Ancel U.; and Goodman, Gerald, 4,813,333, Cl. 89-14.300.

Goodman, Henry J.; Walker, Evan H.; and Bell, Emmett L., to United States of America, Army. Continuous measuring diaphragm pressure gage. 4,881,400, 11-21-89, Cl. 73-35.000.

Goodman, Howard, to ECC International Limited. Viscosifying alcoholic media. 4,857,491, 8-15-89, Cl. 501-148.000.

Goodman, Howard: *See*—

Jepson, Walter B.; and Goodman, Howard, 4,804,416, Cl. 106-468.000.

Goodman, Howard M.: *See*—

Edman, Jeffrey C.; Rutter, William J.; Hallewell, Robert A.; Valenzuela, Pablo D. T.; and Goodman, Howard M., 4,820,642, Cl. 435-252.330.

Goodman, Jack E., to Chevron Research Company. Optical fiber holder. 4,804,241, 2-14-89, Cl. 350-96.190.

Goodman, Jack J.; Tauman, Harvey S.; Fox, Charles; and Hart, Thomas J., to Dento-Med Industries, Inc. Skin treatment preparation. 4,883,659, 11-28-89, Cl. 424-78.000.

Goodman, James A., to Prototype Equipment Corp. Horizontal pouch packer. 4,800,703, 1-31-89, Cl. 53-53.000.

Goodman, James A., to Prototype Equipment Corp. Shelf packer. 4,815,251, 3-28-89, Cl. 53-157.000.

Goodman, James R.: *See*—

Johnson, Susan S.; and Goodman, James R., 4,885,207, Cl. 428-403.000.

Goodman, Joseph J.: *See*—

Carter, Guy T.; Borders, Donald B.; Goodman, Joseph J.; and Labeda, David P., 4,859,598, Cl. 435-252.100.

Lee, Taikwang M.; Goodman, Joseph J.; Greenstein, Michael; and Borders, Donald B., 4,845,037, Cl. 435-252.100.

Goodman, Joseph R.; and Thrush, Roger L., to AMP Incorporated. Slide switch configured as an integrated circuit package. 4,841,105, 6-20-89, Cl. 200-16.00D.

Goodman, Joseph R.: *See*—

Billman, Timothy B.; and Goodman, Joseph R., 4,824,392, Cl. 439-331.000.

Billman, Timothy B.; and Goodman, Joseph R., 4,886,470, Cl. 439-266.000.

Goodman, Joseph T.: *See*—

Malka, Jacob H.; and Goodman, Joseph T., 4,859,923, Cl. 318-685.000.

Goodman, Larry K.: *See*—

Finkle, Louis J., 4,821,371, Cl. 16-112.000.

Goodman, Lawrence A.; and Goodman, Alvin M., to General Electric Company. Vertical MOSFET with reduced bipolar effects. 4,837,606, 6-6-89, Cl. 357-23.400.

Goodman, Loren M. Dual mode exercise device. 4,834,072, 5-30-89, Cl. 128-25.00R.

Goodman, Lynn R. Remote mixture control tool with cleaning function. 4,809,539, 3-7-89, Cl. 73-116.000.

Goodman, Lynn R. Method of testing catalytic converters and oxygen sensors. 4,878,380, 11-7-89, Cl. 73-118.100.

Goodman, Mark: *See*—

Biegel, Michael; and Goodman, Mark, 4,823,600, Cl. 73-592.000.

Goodman, Mark L. D. Lockable gun safety drawer. 4,869,449, 9-26-89, Cl. 248-205.100.

Goodman, Mark M.; and Knapp, Furn F., Jr., to United States of America, Energy. Radioiodinated branched carbohydrates. 4,826,966, 5-2-89, Cl. 536-18.400.

Goodman, Matthew S.: *See*—

Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,834,483, Cl. 350-96.160.

Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,873,681, Cl. 370-3.000.

Goodman, Michael G.; and Weigle, William O., to Scripps Clinic and Research Foundation. Modulation of animal cellular responses with compositions containing 8-substituted guanine derivatives. 4,849,411, 7-18-89, Cl. 514-45.000.

Goodman, Murray; Marr-Leisy, Debra; Rosenkranz, Roberto P.; Melmon, Kenneth L.; and Verlander, Michael S., to University of California, The Regents of the. Derivatives of β-adrenergic antagonists. 4,837,305, 6-6-89, Cl. 530-345.000.

Goodman, Murray: *See*—

Fuller, William D.; Blair, Robert K.; and Goodman, Murray, 4,829,099, Cl. 523-111.000.

Goodman, Robert L.: *See*—

Yuhas, John M.; Goodman, Robert L.; and Moore, Robert E., 4,889,525, Cl. 600-1.000.

Goodman, Ronald C. Constant center of gravity film camera magazine. 4,826,310, 5-2-89, Cl. 352-78.00R.

Goodman, Ronald D.; Greenberg, William M.; and Tausch, Peter J., to Libbey-Owens-Ford Co. Glass coating method and resulting article. 4,847,157, 7-11-89, Cl. 428-426.000.

Goodman, Sidney R. Multi-layer envelope device having detachable adhesive address labels. 4,809,905, 3-7-89, Cl. 229-70.000.

Goodman, Steve F., to Herman Miller, Inc. Tamperproof cabinet. 4,799,436, 1-24-89, Cl. 109-50.000.

Goodman, Steve F., to Herman Miller, Inc. Plunger lock mechanism. 4,854,140, 8-8-89, Cl. 70-100.000.

Goodman, Walter H., to Allied-Signal Inc. Purification of chlorofluorocarbons. 4,849,558, 7-18-89, Cl. 570-179.000.

Goodnight, Fred B. Dry chemical wand. 4,886,122, 12-12-89, Cl. 169-74.000.

Goodnough, Mark A.; Stineman, John A., Jr.; and Hoffman, Alan W., to Santa Barbara Research Center. Differential offset corrected current mirror. 4,857,725, 8-15-89, Cl. 250-214.00A.

Goodnow, Ronald F., to Thermo Electron Web Systems, Inc. Magnetically actuated valve for cyclically operating piston-cylinder actuator. 4,889,035, 12-26-89, Cl. 91-275.000.

Goodrich, Earl R., II: *See*—

Eccleston, Larry; Cook, James C., II; and Goodrich, Earl R., II, 4,795,995, Cl. 336-199.000.

Goodrich, Gordon W.; and Rosendall, Henry J., to Amway Corporation; and Bissell Inc., a part interest. Electrical appliances including a cord lock. 4,809,393, 3-7-89, Cl. 15-323.000.

Goodrich, Gordon W.: *See*—

Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,800,613, Cl. 15-321.000.

Blase, Michael R.; Goodrich, Gordon W.; and Rosendall, Henry J., 4,827,562, Cl. 15-353.000.

Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,847,943, Cl. 15-352.000.

Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,854,544, Cl. 251-245.000.

Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,864,680, Cl. 15-321.000.

Goodrich, Grover G. Swivel seat and frame. 4,834,452, 5-30-89, Cl. 297-240.000.

Goodrich, James A.; and Medlar, Steven J., to Camp Dresser & McKee, Inc., a part interest. Water/wastewater treatment apparatus. 4,871,450, 10-3-89, Cl. 210-151.000.

Goodrich, Jeffrey A.; Poe, Charles M., Jr.; and Prsha, Jeffrey A., to Scientific Atlanta, Inc. Tachometer sensor using a lens system to a in sensing the rotational speed of an object. 4,880,966, 11-14-89, Cl. 250-231.00R.

Goodrich, Joel L.: *See*—

Reardon, Bruce A.; and Goodrich, Joel L., 4,859,629, Cl. 437-203.000.

Goodrich, Lawrence D.: *See*—

Anschel, Morris; Goodrich, Lawrence D.; and Hetrick, Barton M., 4,886,727, Cl. 430-311.000.

Goodrich, Ray. Putting practicing device. 4,828,267, 5-9-89, Cl. 273-176.00F.

Goodrich, Raymond P., Jr.; Williams, Christine M.; Franco, Robert S.; and Weiner, Murray, to Cryopharm Corporation. Lyophilization of red blood cells. 4,874,690, 10-17-89, Cl. 435-2.000.

Goodrich, Robert L., to Pneumafil Corporation. Dust collector. 4,878,926, 11-7-89, Cl. 55-294.000.

- Goodrich, Rollie M.: *See—*
  - Herdzina, Frank J.; and Goodrich, Rollie M., 4,854,799, Cl. 413-66.000.
- Goodrich, Roy G.; Probst, P. A.; and Collet, B., to Louisiana State University. Digital lock-in amplifier. 4,807,146, 2-21-89, Cl. 364-481.000.
- Goodrich, Whitney E., to Remote Switch Systems, Inc. Remote cable pair cross-connect system. 4,833,708, 5-23-89, Cl. 379-327.000.
- Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., to United States of America, National Aeronautics and Space Administration. Orbiter escape pole. 4,887,780, 12-19-89, Cl. 244-137.200.
- Goodridge, Francis: *See—*
  - Williamson, Edward J.; Garrett, David; Goodridge, Francis; and Plimley, Raymond E., 4,832,813, Cl. 204-272.000.
- Goodridge, Stuart. Field attachable and reusable hose end fitting for convoluted end. 4,805,942, 2-21-89, Cl. 285-149.000.
- Goodsell, Robert C.: *See—*
  - Chenoweth, Vaughn C.; and Goodsell, Robert C., 4,888,235, Cl. 428-283.000.
- Goodsell, Roger C.: *See—*
  - Chenoweth, Vaughn C.; and Goodsell, Roger C., 4,889,764, Cl. 428-283.000.
- Goodson, Bob J. Telephone drop box with permanently wired feeder cable. 4,835,659, 5-30-89, Cl. 361-390.000.
- Goodson, Forrest R.; Dudley, Mark E.; and Rudy, Thomas P., to United Technologies Corporation. Iron oxide catalyst and method for making same. 4,854,981, 8-8-89, Cl. 149-2.000.
- Goodson, Forrest R.: *See—*
  - Rudy, Thomas P.; Goodson, Forrest R.; and Dudley, Mark E., 4,881,994, Cl. 149-109.400.
- Goodson, Thomas A.; and Truelove, Ronald D. Lock protector. 4,799,369, 1-24-89, Cl. 70-54.000.
- Goodson, Thomas A.; and Truelove, Ronald D. Lock protector. 4,873,849, 10-17-89, Cl. 70-54.000.
- Goodspeed, Byron L. Apparatus for cleaning air ports of a chemical recovery furnace. 4,822,428, 4-18-89, Cl. 134-6.000.
- Goodspeed, Byron L. Apparatus for regulating air flow through an air port of a chemical recovery furnace. 4,838,182, 6-13-89, Cl. 110-182.500.
- Goodspeed, Byron L. Tamper-proof locking device. 4,883,294, 11-28-89, Cl. 292-148.000.
- Goodspeed, Byron L.: *See—*
  - Ross, Thomas W.; Hill, Robert B.; and Goodspeed, Byron L., 4,846,080, Cl. 110-182.500.
- Goodwin, David A.; Meares, Claude; and McCall, Michael, to Leland Stanford Junior University, The Board of Trustees of the. Method and system for administering therapeutic and diagnostic agents. 4,863,713, 9-5-89, Cl. 424-1.100.
- Goodwin, David M.: *See—*
  - Braendel, Gregory G.; Goodwin, David M.; and Moore, Brian J., 4,881,353, Cl. 52-239.000.
- Goodwin, Dennis L.; Hawkins, Mark R.; Johnson, Wayne L.; Olsen, Aage; and Robinson, McDonald, to Epsilon Limited Partnership. Process for epitaxial deposition of silicon. 4,874,464, 10-17-89, Cl. 156-646.000.
- Goodwin, Dennis L.: *See—*
  - Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goodwin, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoer, Wiebe B., 4,828,224, Cl. 251-298.000.
- Goodwin, Ernest, to Hemlo Gold Mines Inc. Process for the removal of cyanide and other impurities from solution. 4,840,735, 6-20-89, Cl. 210-721.000.
- Goodwin, Frank E. Frequency modulated lasar radar. 4,830,486, 5-16-89, Cl. 356-5.000.
- Goodwin, Gene M.: *See—*
  - Maziasz, Philip J.; Swindeman, Robert W.; and Goodwin, Gene M., 4,849,169, Cl. 420-584.000.
- Goodwin, George B.; and Kenney, Malcolm E., to Case Western Reserve University. Novel route to $Ca_8Si_4O_{12}Cl_8$, alkoxycyclotetrasiloxanes, aryloxycyclotetrasiloxanes, alkylcyclotetrasiloxanes and arylcyclotetrasiloxanes from wollastonite (Ca SiO_3). 4,824,985, 4-25-89, Cl. 556-460.000.
- Goodwin, James G., Jr.: *See—*
  - Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,801,573, Cl. 502-302.000.
  - Eri, Sigrid; and Goodwin, James G., Jr., 4,857,559, Cl. 518-700.000.
  - Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,880,763, Cl. 502-302.000.
- Goodwin, James W.: *See—*
  - Swank, Roy L.; and Goodwin, James W., 4,810,657, Cl. 436-150.000.
- Goodwin, Martin J.: *See—*
  - Bennion, Ian; Trundle, Clive; Brettle, Jack; Goodwin, Martin J.; and Glenn, Robert, 4,838,634, Cl. 350-96.120.
- Goodwin, Matthew; and Goodwin, William. Air cushion vehicle. 4,848,501, 7-18-89, Cl. 180-117.000.
- Goodwin, Paul, to Perma Tubes Ltd. Concrete forming method. 4,876,054, 10-24-89, Cl. 264-333.000.
- Goodwin, Paul E.: *See—*
  - Oltean, Jerry M.; and Goodwin, Paul E., 4,877,048, Cl. 137-225.000.
- Goodwin, Peter J.: *See—*
  - Keegan, Colm M. P.; Hawker, Michael J.; and Goodwin, Peter J., 4,866,938, Cl. 60-588.000.
- Goodwin, R. Wendell, to Sangamo Weston, Inc. Current measuring and magnetic core compensating apparatus and method. 4,847,554, 7-11-89, Cl. 324-127.000.
- Goodwin, Roy D.; Ostrowski, Henry S.; and Davis, Gary J., to James River Corporation. Strippable sponge cushion underlay for a surface covering, such as carpeting. 4,824,498, 4-25-89, Cl. 156-71.000.
- Goodwin, Vernon L., to SSI Medical Services, Inc. Valve for a patient support structure. 4,798,227, 1-17-89, Cl. 137-554.000.
- Goodwin, Vernon L., to SSI Medical Services, Inc. Variable flow gas valve. 4,838,309, 6-13-89, Cl. 137-554.000.
- Goodwin, Vernon L., to Support Systems International, Inc. Fluidized patient support system. 4,879,777, 11-14-89, Cl. 5-453.000.
- Goodwin, William: *See—*
  - Goodwin, Matthew; and Goodwin, William, 4,848,501, Cl. 180-117.000.
- Goodyear Tire & Rubber Company, The: *See—*
  - Allen, Terry F.; and Schisler, Robert C., 4,873,290, Cl. 525-337.000.
  - Beard, Richard C.; and Crispin, Carl W. 4,812,281, Cl. 264-502.000.
  - Boon, Wyndham; Gartland, Robert J.; and Pesata, Patrick J., Jr., 4,874,670, Cl. 428-423.900.
  - Bormann, Rene L.; Maathuis, Antonnis G.; Spielmann, Jurgen; Meijer, Theo; Beer, Klaus; and Oare, Thomas R., 4,869,307, Cl. 152-533.000.
  - Botzman, Thomas J., 4,804,028, Cl. 152-525.000.
  - Brayer, Randall R.; Robinson, Beale A.; and Springford, Richard H., 4,815,511, Cl. 152-209.00R.
  - Brinkley, Max D.; Harding, Norman B.; and Licence, Richard J., 4,805,684, Cl. 157-13.000.
  - Brown, Robert J., 4,808,657, Cl. 524-518.000.
  - Brown, Robert J.; and Scriver, Richard M., 4,871,004, Cl. 152-209.00R.
  - Burroway, Gary L.; and Maiz, Robert D., 4,868,259, Cl. 526-203.000.
  - Cain, Don A.; and Dewaele, Michael F., 4,795,331, Cl. 425-28.100.
  - Candle, Richard D.; and Schisler, Robert C., 4,857,251, Cl. 264-130.000.
  - Carolla, Russell A.; and Gammon, Nathan A., 4,854,362, Cl. 152-554.000.
  - Cohen, Martin P.; and D'Sidocky, Richard M., 4,808,666, Cl. 525-232.000.
  - Cohen, Martin P.; Brown, Robert J.; and Majerus, Norbert, 4,861,842, Cl. 525-329.300.
  - Cohen, Martin P.; and D'Sidocky, Richard M., 4,873,291, Cl. 525-348.000.
  - Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 4,807,679, Cl. 152-209.00R.
  - Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 4,856,571, Cl. 152-209.00R.
  - Colvin, Howard A., 4,812,487, Cl. 521-159.000.
  - Colvin, Howard A.; Cottman, Kirkwood S.; and Parker, Dane K. 4,853,478, Cl. 560-32.000.
  - Cottman, Kirkwood S., 4,829,115, Cl. 524-255.000.
  - Cubric, Robert; and Roedseth, John K., 4,854,612, Cl. 285-18.000.
  - Deregibus, Alfio, 4,856,720, Cl. 242-7.020.
  - Domchick, Stephen J., 4,832,102, Cl. 152-527.000.
  - Downey, Raymond E., 4,816,315, Cl. 428-151.000.
  - Eisenzimmer, George W., 4,854,031, Cl. 29-508.000.
  - Fontaine, Jean F. L., 4,877,072, Cl. 152-209.00R.
  - Gasowski, Chester J.; Kolowski, Michael A.; Smithkey, John C. and Ford, Thomas L., 4,854,361, Cl. 152-552.000.
  - Gillick, James G.; and Waddell, Walter H., 4,824,692, Cl. 427-53.100.
  - Goergen, Rene; Hitzky, Leo J.; Miller, Frederick W.; Galasso, Richard L.; Waibel, Terry J.; Kolowski, Michael A.; and Hopkins, William M., 4,823,855, Cl. 152-209.00R.
  - Goergen, Rene, 4,865,099, Cl. 152-209.00R.
  - Haislet, Gary A., 4,887,421, Cl. 57-58.540.
  - Halasa, Adel F.; Gross, Bill B.; Cox, Joel L.; and Balogh, George F., 4,843,120, Cl. 525-53.000.
  - Halasa, Adel F.; Robertson-Wilcox, Sylvia E.; Zanzig, David J. Arconti, Richard J.; and Hsu, Wen L., 4,845,165, Cl. 526-78.000.
  - Harvey, John D.; and Gindre, Andre V., 4,804,693, Cl. 523-219.000.
  - Harvey, John D.; and Gindre, Andre V., 4,882,219, Cl. 428-220.000.
  - Hausmann, George J.; and Patton, Donald E., Jr., 4,854,258, Cl. 114-219.000.
  - Hinkel, Walter W.; Lobb, Jolan F.; Wall, Gene D.; Forand, Roger J.; and Gehringer, Gerald B., 4,813,467, Cl. 152-454.000.
  - Hitzky, Leo J., 4,823,853, Cl. 152-209.00R.
  - Hopper, Roger J., 4,820,780, Cl. 525-351.000.
  - Hopper, Roger J.; Shah, Niranjan V.; and Ryba, Steven M. 4,877,901, Cl. 564-82.000.
  - Hovance, Hubert T., 4,817,922, Cl. 267-64.210.
  - Kell, Ralph W., 4,805,388, Cl. 56-98.000.
  - Kramer, Robert H.; and Koons, Roger R., 4,836,513, Cl. 267-140.100.
  - Long, Barry W., 4,813,533, Cl. 198-847.000.
  - Lovell, John A.; Medved, Gary E.; and White, John R., 4,859,272, Cl. 156-415.000.
  - Majerus, Norbert, 4,795,329, Cl. 425-573.000.
  - Majerus, Norbert; Mills, Harold E.; and Rambacher, John S. 4,818,203, Cl. 425-115.000.
  - Majerus, Norbert; and Rambacher, John S., 4,826,416, Cl. 425-115.000.
  - Majerus, Norbert, 4,857,122, Cl. 156-125.000.
  - Majerus, Norbert, 4,865,098, Cl. 152-209.00R.

  - Martin, Billy P.; and Goettsch, Larry D., 4,823,942, Cl. 198-847.000.
  - Mowdood, Syed K.; and Kansupada, Bharat K., 4,857,397, Cl. 428-323.000.
  - Mowdood, Syed K.; and Kansupada, Bharat K., 4,870,135, Cl. 525-236.000.
  - Muse, Joel; Grimm, Donald C.; Dillon, Jerry J.; Cottman, Kirkwood S.; and Bennett, Calvin A., 4,847,313, Cl. 324-291.000.
  - Muse, Joel, Jr.; and Colvin, Howard A., 4,855,362, Cl. 525-194.000.
  - Nguyen, Gia V., 4,842,033, Cl. 152-541.000.
  - Ogata, Naoya, 4,804,730, Cl. 528-286.000.
  - Ogata, Naoya, 4,843,053, Cl. 502-159.000.
  - Orjela, Gurdev; Assaad, Mahmoud C.; Beltz, David B.; and Prakash, Amit, 4,823,857, Cl. 152-540.000.
  - Parker, Dane K., 4,806,447, Cl. 525-263.000.
  - Parks, Carl R.; and Burlett, Donald J., 4,839,433, Cl. 525-329.300.
  - Parks, Carl R.; and Burlett, Donald J., 4,877,845, Cl. 525-346.000.
  - Rex, William A.; and Riggs, Robert S., 4,808,257, Cl. 156-421.000.
  - Rinehart, Verne R., 4,876,326, Cl. 528-272.000.
  - Roberts, Charles W., 4,823,856, Cl. 152-523.000.
  - Salazar, Mariano, 4,855,402, Cl. 528-487.000.
  - Sandstrom, Paul H., 4,824,914, Cl. 525-346.000.
  - Sandstrom, Paul H., 4,855,364, Cl. 525-332.700.
  - Scannapieco, Steven N., 4,849,497, Cl. 528-272.000.
  - Schisler, Robert C., 4,795,016, Cl. 192-88.00A.
  - Shvka, John J.; and Welter, Thomas N. H., 4,832,103, Cl. 152-559.000.
  - Smith, Michael W.; Steagall, Robert N., deceased; Banas, Mark D.; Chlebina, Lawrence E.; Greenlese, Brady G.; and Stokes, James D., 4,806,196, Cl. 156-422.000.
  - Strader, Don S., 4,854,446, Cl. 198-810.000.
  - Terrado, Angel R., 4,855,008, Cl. 156-401.000.
  - Terrill, Edward R.; and Callander, Douglas D., 4,824,928, Cl. 528-190.000.
  - Thise, Marie R.; and Reuter, Rene F., 4,877,073, Cl. 152-451.000.
  - Tung, William C. T.; and Floyd, Merry E., 4,798,883, Cl. 528-272.000.
  - Tung, William C. T., 4,833,174, Cl. 521-81.000.
  - Tung, William C. T., 4,835,205, Cl. 524-361.000.
  - Welter, Thomas L., 4,832,101, Cl. 152-527.000.
  - Wideman, Lawson G.; and Hsu, Wen-Liang, 4,797,452, Cl. 525-338.000.
  - Wilson, John R.; Rousek, Marian M.; and Massey, Fred L., 4,835,247, Cl. 528-272.000.
- Goolsbey, Michael A.; Jones, Eugene R.; Micka, William F.; and Robinson, Thomas S., to International Business Machines Corporation; and International Business Machines Corporation. Locating individual images in a field for recognition or the like. 4,817,186, 3-28-89, Cl. 382-9.000.
- Goor Associates, Inc.: *See—*
  - Goor, Dan, 4,814,907, Cl. 360-75.000.
- Goor, Dan, to Goor Associates, Inc. Method and apparatus for maintaining constant flying height via magnetic interaction. 4,814,907, 3-21-89, Cl. 360-75.000.
- Goor, Daniel; Mohr, Raphael; Haddad, Ihsan A.; and Oliver, William R. Diagnostic methods and apparatus employing monitoring of myocardial ischemia. 4,798,211, 1-17-89, Cl. 128-668.000.
- Goor, Daniel; and Mohr, Raphael. Method and apparatus for detecting myocardial ischemia. 4,821,735, 4-18-89, Cl. 128-713.000.
- Gooras, George: *See—*
  - Hunter, Dan A.; Opperman, Lawrence F.; and Gooras, George, 4,811,132, Cl. 360-74.300.
- Goorsky, Mark S.: *See—*
  - Murray, Richard C., Jr., and Goorsky, Mark S., 4,801,655, Cl. 525-329.400.
- Goosen, Mattheus F. A.; O'Shea, Geraldine M.; and Sun, Anthony M. F., to Connaught Laboratories Limited. Microencapsulation of living tissue and cells. 4,806,355, 2-21-89, Cl. 424-424.000.
- Goossens, Carolus C.: *See—*
  - Adriaensen, Victor A.; Buelens, Edward; and Goossens, Carolus C., 4,809,923, Cl. 242-71.800.
- Goossens, Jan B.: *See—*
  - Kleijne, Theodoor A.; de Bruin, Johannes A. J.; and Goossens, Jan B., 4,811,288, Cl. 365-52.000.
- Goossens, Jan J.: *See—*
  - Veenemans, Cornelis; and Goossens, Jan J., 4,829,939, Cl. 123-41.290.
- Goossens, John: *See—*
  - Obrecht, Werner; Goossens, John; Mirza, Jean; Pabst, Jurgen; Thormer, Joachim; and Szentivanyi, Zsolt, 4,826,721, Cl. 428-252.000.
  - Ohst, Holger; Podszun, Wolfgang; Suling, Carlhans; Goossens, John; and Penners, Gunther, 4,840,989, Cl. 524-544.000.
- Goossens, John C.; Factor, Arnold; and Miranda, Peter M., to General Electric Company. Process for UV stabilizer impregnation of plastic surfaces. 4,861,664, 8-29-89, Cl. 428-409.000.
- Goossens, John W. S.: *See—*
  - Wirth, Wolfgang; Niessen, Heinz J.; Goossens, John W. S.; and Schulze, Hans, 4,824,663, Cl. 424-78.000.
- Gopal, Gita; and Weinrib, Abel, to Bell Communications Research, Inc. Method for call routing in a network. 4,885,780, 12-5-89, Cl. 379-221.000.
- Gopalakrishnan, Jagannatha; Sleight, Arthur W.; and Subramanian, Munirpallam A., to Du Pont de Nemours, E. I., and Company. Lanthanum: sodium copper superconducting metal oxide compositions and process for manufacture. 4,835,136, 5-30-89, Cl. 505-1.000.
- Goplen, Gary D.; and Iles, Lawrence F., to Nelson Industries Inc. Muffler construction. 4,872,528, 10-10-89, Cl. 181-228.000.
- Goppelt, Dieter: *See—*
  - Hertrich, Steffen; and Goppelt, Dieter, 4,854,922, Cl. 474-110.000.
- Goradesky, Gerald. Means for manually holding a stack of karate boards. 4,883,635, 11-28-89, Cl. 272-76.000.
- Gorak, William J., Jr.: *See—*
  - Saville, Mark K.; Gorak, William J., Jr.; and Bove, Ronald L., 4,816,328, Cl. 428-246.000.
- Goral, Erhard; and Mensing, Walter, to Wabco Westinghouse Fahrzeugbremsen GmbH. Chamber equipped with a breather opening to the atmosphere. 4,889,037, 12-26-89, Cl. 92-78.000.
- Goralski, Christian T.; Singaram, Bakthan; and Brown, Herbert C., to Dow Chemical Company, The. Stereospecific synthesis of [E]-alkenes from enamines via hydroboration. 4,886,924, 12-12-89, Cl. 585-318.000.
- Goralski, Edwin A.; and Roeker, David C., to Minnesota Mining and Manufacturing Company. Back up pad with drive adapter and offset passageways. 4,844,967, 7-4-89, Cl. 428-137.000.
- Goransson, Mikael: *See—*
  - Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.
- Gorawski, Alfred: *See—*
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- Gorbach, Sherwood L.; and Goldin, Barry R., to New England Medical Center Hospitals, Inc. Lactobacillus strains and methods of selection. 4,839,281, 6-13-89, Cl. 435-34.000.
- Gorbachev, Alexandr S.: *See—*
  - Dobryakov, Valentin I.; Zhevzhik, Galina V.; Seballo, Valery A.; Zhukov, Evgeny V.; Ententeev, Altar Z.; Struzhkov, Vyacheslav N.; and Gorbachev, Alexandr S., 4,871,448, Cl. 209-169.000.
- Gorbachev, Igor M.: *See—*
  - Poroshin, Jury E.; Gorbachev, Igor M.; Potysiev, Vladimir M.; Sorochkin, Vladimir P.; and Sivko, Vladimir I., 4,850,861, Cl. 432-99.000.
- Gordbegli, Manochehr: *See—*
  - Chalberg, Philip E.; Gordbegli, Manochehr; and Kenchel, Paul N., 4,823,413, Cl. 4-544.000.
- Gordecki, Richard J., to Motorola, Inc. Battery housing. 4,880,712, 11-14-89, Cl. 429-97.000.
- Gorden, Gilbert, to Bioxy International, Ltd. Biocidal composition and method for disinfecting articles. 4,880,638, 11-14-89, Cl. 424-662.000.
- Gordin, Myron K., to Mycro Group Co. Glare control lamp and reflector assembly and method for glare control. 4,816,974, 3-28-89, Cl. 362-261.000.
- Gordon, A. Kim: *See—*
  - Henderson, Alex M.; McKey, Loretta M.; and Gordon, A. Kim, 4,828,827, Cl. 424-80.000.
- Gordon, Alan J.; Bowman, David J.; Lockett, Jeffrey E.; and Murry, Michael, to Shandon Scientific Limited. Tissue specimen treatment apparatus. 4,834,019, 5-30-89, Cl. 118-423.000.
- Gordon, Alan J.; and Billington, Donald G., to Shandon Scientific Limited. Sample handling unit for centrifugation. 4,874,582, 10-17-89, Cl. 422-102.000.
- Gordon, Anthony J.: *See—*
  - Forrest, Alexander; and Gordon, Anthony J., 4,886,440, Cl. 425-208.000.
- Gordon, Arnold Z. Electrochemical cell aqueous electrolyte and method. 4,816,352, 3-28-89, Cl. 429-13.000.
- Gordon Barlow Design: *See—*
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- Gordon Belt Scrapers, Inc.: *See—*
  - Gordon, James R., 4,854,443, Cl. 198-497.000.
  - Gordon, James R., 4,877,125, Cl. 198-836.000.
- Gordon, Bernard M.; and Gyles, Colin, to Analogic Corporation. Oscilloscope memory control. 4,801,851, 1-31-89, Cl. 315-367.000.
- Gordon, Bruce S.; and Adler, Alan, to Barnes Engineering Co. Metallized tetra((meso)-5-methyl-2-thiophene)porphines, platinum (5-bromo octaethylporphine) and optical filters containing same. 4,885,114, 12-5-89, Cl. 252-589.000.
- Gordon Corporation, The: *See—*
  - Miceli, Daniel, 4,874,149, Cl. 248-530.000.
- Gordon, Dale, to Basic American Foods. Harvesting apparatus. 4,828,039, 5-9-89, Cl. 171-10.000.
- Gordon, David; Akselrod, Solange; Cohen, Richard J.; Tu, Jerome C.; Burns, Stephen K.; and DeLeon, Victoria H., to Massachusetts Institute of Technology. Methods and apparatus for monitoring cardiovascular regulation using heart rate power spectral analysis. 4,862,361, 8-29-89, Cl. 364-413.060.
- Gordon, David: *See—*
  - Arai, Makoto R.; Gordon, David; and McAlpine, Laura E., 4,832,038, Cl. 128-670.000.
- Gordon, David P., to General DataComm, Inc. Algorithm for minimizing excursion in placement of channel selects into multiplexer frame. 4,885,745, 12-5-89, Cl. 370-110.100.
- Gordon, Dorothy: *See—*
  - Barkans, Anthony C.; Schroeder, Brian D.; Durant, Thomas L.; Gordon, Dorothy; and Lach, Jorge, 4,888,712, Cl. 364-522.000.
- Gordon, Dorothy A., to Schlumberger Technology Corporation. Pixel processor. 4,882,687, 11-21-89, Cl. 364-518.000.
- Gordon, Eric M.: *See—*
  - Delaney, Norma G.; Gordon, Eric M.; and Ondetti, Miguel A., 4,798,904, Cl. 558-254.000.
  - Haslanger, Martin F.; and Gordon, Eric M., 4,889,874, Cl. 514-575.000.

- Weller, Harold N., III; and Gordon, Eric M., 4,810,791, Cl. 546-205.000.
- Weller, Harold N., III; and Gordon, Eric M., 4,818,757, Cl. 514-231.500.
- Weller, Harold N., III; and Gordon, Eric M., 4,849,525, Cl. 548-413.000.

Gordon, Eugene I.; Nielsen, Robert J.; and Stafford, John W., to AMP Incorporated. Optical bench for a semiconductor laser and method. 4,818,053, 4-4-89, Cl. 350-96.180.

- Gordon, Eugene I.: *See—*
  - Telfair, William B.; Martin, Clifford A.; Gordon, Eugene I.; and Fricke, William C., 4,885,471, Cl. 250-461.100.

Gordon, Gary B.; and Spellman, Miles, to Hewlett-Packard Company. Orientation-dependant robot controller. 4,804,897, 2-14-89, Cl. 318-568.000.

Gordon, Gary B.; Roark, Joseph C.; and Lerner, Stuart D., to Hewlett-Packard Company. Robot motion control system. 4,843,566, 6-27-89, Cl. 364-513.000.

- Gordon, Gary G.: *See—*
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- Gordon, Gerald M.: *See—*
  - Coates, David J.; Gordon, Gerald M.; Jacobs, Alvin J.; and Sandusky, David W., 4,863,682, Cl. 376-457.000.
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- Gordon-Gilmore, Randy: *See—*
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Gordon, Harris K.; Myers, Howard; and Pasquarello, Robert, to HKG Industries, Inc. Leak sensing alarm and supply shut-off apparatus. 4,845,472, 7-4-89, Cl. 340-605.000.

Gordon, Harry W.; and Chung, Kenneth, to Del Laboratories, Inc. Depilatory compositions and methods. 4,842,610, 6-27-89, Cl. 8-160.000.

Gordon, Herbert L., Jr., to InterCon Systems, Inc. Pin carrier. 4,871,062, 10-3-89, Cl. 206-328.000.

Gordon, James. Combined batting tee and strike indicator. 4,819,937, 4-11-89, Cl. 273-26.00R.

Gordon, James R., to Gordon Belt Scrapers, Inc. Conveyor belt cleaner. 4,854,443, 8-8-89, Cl. 198-497.000.

Gordon, James R., to Gordon Belt Scrapers, Inc. Conveyor skirtboard mounting assembly. 4,877,125, 10-31-89, Cl. 198-836.000.

- Gordon, Jimmy A.: *See—*
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Gordon, Joseph, to Tau Laboratories, Inc. Pellicle structure for transmission of mid ultraviolet light. 4,796,973, 1-10-89, Cl. 350-1.100.

Gordon, Joseph, to Du Pont Tau Laboratories, Inc. Method of making a cellulose acetate butyrate pellicle. 4,861,402, 8-29-89, Cl. 156-108.000.

Gordon, Julian; and Minks, Michael A. Specific antibody to the native form of 2'5'-oligonucleotides, the method of preparation and the use as reagents in immunoassays or for binding 2'5'-oligonucleotides in biological systems. 4,824,941, 4-25-89, Cl. 530-403.000.

- Gordon, Keith C.: *See—*
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Gordon, Larry T.; and Spector, George. Truck bed divider. 4,834,599, 5-30-89, Cl. 410-151.000.

Gordon, Len C. Tank cleaning apparatus and method. 4,827,563, 5-9-89, Cl. 15-402.000.

- Gordon, Lucas S.: *See—*
  - Bringham, Richard L.; Gordon, Lucas S.; and Mosch, Karl E., 4,876,066, Cl. 422-46.000.

Gordon, Mark G.; Rubalcaba, Bernadino, Jr.; and Jackman, Jerry L., to American Hospital Supply Corporation. Continuous peristaltic pump. 4,869,646, 9-26-89, Cl. 417-18.000.

- Gordon, Mark G.: *See—*
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- Gordon, Michael D.: *See—*
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  - Bruckner, Norman I.; Gordon, Michael D.; and Howell, Ronald G., 4,851,449, Cl. 514-698.000.

Gordon, Myron S. High-low viscosity comparator. 4,794,787, 1-3-89, Cl. 73-56.000.

- Gordon, N. Ross: *See—*
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Gordon, Norman R.; King, Lloyd L.; Jackson, Peter O.; and Zulich, Alan W., to Battelle Memorial Institute. Sampling apparatus. 4,848,167, 7-18-89, Cl. 73-864.710.

- Gordon, Paul F.: *See—*
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Gordon, Richard A. Grooming comb for pets. 4,799,457, 1-24-89, Cl. 119-92.000.

Gordon, Richard A. Window shelf for pets or flowers. 4,869,451, 9-26-89, Cl. 248-235.000.

Gordon, Richard W. Oil well pump leakage accumulator. 4,872,508, 10-10-89, Cl. 166-84.000.

- Gordon, Robert H.: *See—*
  - Ghebre-Sellassie, Isaac; Gordon, Robert H.; and Fawzi, Mahdi B., 4,814,354, Cl. 424-440.000.

Gordon, Robert L.; and Kalberer, Roderick W., to International Paper Company. Opening arrangement for gable top container. 4,813,546, 3-21-89, Cl. 206-621.200.

Gordon, Robert L.; and Kalberer, Roderick W., to International Paper Company. Self opening pour spout and screw cap. 4,813,578, 3-21-89, Cl. 222-541.000.

Gordon, Robert L.; and Bernstein, Linda A., to International Paper Company. Microwave food carton with divider panel. 4,836,383, 6-6-89, Cl. 206-611.000.

- Gordon, Robert L.: *See—*
  - Bernstein, Linda A.; and Gordon, Robert L., 4,877,932, Cl. 219-10.55E.
  - Kalberer, Roderick W.; and Gordon, Robert L., 4,830,273, Cl. 229-123.100.
  - Roosa, Paul D.; Gordon, Robert L.; and Mesquida, Bartan, 4,844,330, Cl. 229-120.060.

Gordon, Robert T. Process for the treatment of neurological or neuromuscular diseases and development. 4,813,399, 3-21-89, Cl. 600-12.000.

Gordon, Robert T. Method for the improvement of transplantation techniques and for the preservation of tissue. 4,829,984, 5-16-89, Cl. 600-12.000.

Gordon, Robert T. Method for the connection of biological structures. 4,889,120, 12-26-89, Cl. 606-216.000.

- Gordon, Robert T.: *See—*
  - Nazarenko, Dimitri M.; Hughes, Houston H., III; Gordon, Robert T.; Hattey, David L.; and Yurman, Bruno, 4,835,731, Cl. 379-63.000.

Gordon, Roy G. Sealing oxidizing atmosphere at high temperatures. 4,855,000, 8-8-89, Cl. 156-289.000.

Gordon, Russell B.; Gordon, Jimmy A.; and Smith, Marion W., to Saddle Vent Inc. Air conduit for manhole. 4,794,956, 1-3-89, Cl. 138-39.000.

Gordon, Stephen S.; Dyer, Gerald E.; and Flanigan, Lee A., to Rockwell International Corporation. Hollow electrode and arc initiation method. 4,803,339, 2-7-89, Cl. 219-145.210.

Gordon, Stephen S., to United States of America, National Aeronautics and Space Administration. Optically controlled welding system. 4,831,233, 5-16-89, Cl. 219-124.340.

Gordon, Thomas; and Wood, Kenneth O., to Metromedia Company. Ink jet printing system and drum therefore. 4,811,038, 3-7-89, Cl. 346-140.00R.

- Gordon, Timothy M.: *See—*
  - Carson, Gary A.; Elgas, Roger J.; and Gordon, Timothy M., 4,818,490, Cl. 422-46.000.

Gordon, William, to Anderson Strathclyde PLC. Mining machine control system. 4,819,273, 4-4-89, Cl. 455-605.000.

Gordy, Donald G. Lawn mower assembly. 4,870,810, 10-3-89, Cl. 56-6.000.

Gordy, Walker L., to Cilco, Inc. Gauge for calibrating surgical scalpel. 4,815,218, 3-28-89, Cl. 33-628.000.

Gore, Bruce A. Apparatus and method for manufacturing custom golf club sets. 4,869,304, 9-26-89, Cl. 144-354.000.

Gore, David R. Gas duct outlet. 4,823,681, 4-25-89, Cl. 98-40.300.

- Gore, Thomas C.: *See—*
  - Andrews, William H.; Brothers, Virginia M.; Files, James G.; Kuhn, Irene; McCaman, Michael T.; Paul, Leland S.; Sias, Stacey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesco, John L., 4,874,705, Cl. 435-252.330.
- Gorecki, Marian: *See—*
  - Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Elisha; and Zeevi, Menachem, 4,831,120, Cl. 530-399.000.
  - Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Pinhas E.; and Zeevi, Menachem, 4,871,835, Cl. 530-399.000.
- Gorelick, Kenneth J.: *See—*
  - Menendez, Rogelio; and Gorelick, Kenneth J., 4,882,170, Cl. 424-600.000.
- Goren, Eliezer: *See—*
  - Hirsch, Eitan; Gutmann, Alexander; Schwartz, Ana; Goren, Eliezer; Perlmuter, Nikolai; and Tal, Reuven, 4,854,240, Cl. 102-476.000.
- Goren, Hanoch: *See—*
  - Georlette, Pierre; Goren, Hanoch; Shmilowitz, Shaul; and Teuerstein, Avraham, 4,849,134, Cl. 252-601.000.
- Goren, Mayer B.: *See—*
  - Liav, Avraham; and Goren, Mayer B., 4,835,264, Cl. 536-4.100.
- Gorenshtein, Aharon: *See—*
  - Peled, Emanuel; Gorenshtein, Aharon; and Segal, Monica, 4,844,996, Cl. 429-194.000.
- Gorge Technology, Inc.: *See—*
  - Baldwin, Donald C., 4,875,424, Cl. 114-39.200.

- Gorgenyi, Frigyes: *See—*
  - Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.
  - Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Szirt nee Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,798, Cl. 514-256.000.
  - Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,868,172, Cl. 514-187.000.
  - Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-187.000.
- Gori A/S: *See—*
  - Imsgard, Finn; and Jensen, Bjorn U., 4,832,744, Cl. 106-15.050.

Gorike, Rudolf, to AKG Akustische u.Kino-Gerate Gesellschaft m.b.H. Ear pad construction for earphones. 4,809,811, 3-7-89, Cl. 181-129.000.

- Gorini, Carlo: *See—*
  - Toja, Emilio; Gorini, Carlo; Zirotti, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,829,079, Cl. 514-425.000.
  - Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,882,350, Cl. 514-425.000.
  - Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,885,306, Cl. 514-425.000.
  - Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, 4,885,307, Cl. 514-425.000.
- Gorini, Giuseppe: *See—*
  - Bassi, Mauro; Garagnani, Enea; and Gorini, Giuseppe, 4,889,888, Cl. 525-75.000.
- Goris, Gregory A.: *See—*
  - Wetch, Stephen B.; Goris, Gregory A.; and Krasnov, Igor, 4,875,529, Cl. 173-163.000.
- Gorisch, Armin: *See—*
  - Bauer, Gerd H.; Gorisch, Armin; Hartmuller, Herbert; Meyer, Gerhard; Nicklas, Alexander; Prokasky, Detlef; and Schill, Jurgen, 4,799,857, Cl. 415-185.000.

Gorisch, Wolfram, to W. C. Heraeus GmbH. Beam guiding optical system for laser radiation. 4,812,613, 3-14-89, Cl. 219-121.740.

- Gorissen, Hugo J.: *See—*
  - Cordi, Alex A.; and Gorissen, Hugo J., 4,882,343, Cl. 514-341.000.

Gorjat, Jean, to AMP Incorporated. Method of making a shielded cable harness. 4,866,842, 9-19-89, Cl. 29-857.000.

Gorjup, Johann; Pleschiutschnigg, Fritz P.; and von Schnakenburg, Joachim, to Mannesmann AG. Making of steel. 4,814,006, 3-21-89, Cl. 75-59.120.

Gorler, Klaus; Krumbiegel, Gunter; Hanack, Michael; and Subramanian, Lakshmina R., to Dr. Madaus & Co. Methylendioxyphenathrene and stilben derivatives, process for the preparation thereof, pharmaceutical compositions using these, and therapeutic applications. 4,835,178, 5-30-89, Cl. 514-463.000.

- Gorler, Klaus: *See—*
  - Grimminger, Wolf; Gorler, Klaus; and Odenthal, Karl P., 4,855,422, Cl. 540-466.000.
  - Madaus, Rolf; Stumpf, Werner; Gorler, Klaus; and Carcasona-Beltran, Alfonso, 4,820,870, Cl. 562-584.000.
  - Madaus, Rolf; Gorler, Klaus; and Soicke, Hartwig, 4,871,763, Cl. 514-45.200.

Gorlich, Lothar, to UTB Umwelttechnik Buchs AG. Method for desulfurization of sulfur or hydrogen sulfide-containing gases. 4,874,589, 10-17-89, Cl. 423-220.000.

Gorlich, Lothar, to UTB Umwelttechnik Buchs AG. Method and apparatus for desulfurization of sulfur or hydrogen sulfide-containing gases. 4,880,606, 11-14-89, Cl. 423-220.000.

Gorlov, Alexander M., to Flexible Barricades, Inc. Terrorist vehicle arresting system. 4,818,137, 4-4-89, Cl. 404-6.000.

- Gorlt, Ingobert H.: *See—*
  - Kordts, Jurgen; Orlowski, Reiner U.; Gorlt, Ingobert H.; and Martens, Gerhard, 4,864,648, Cl. 455-608.000.

Gorman, Gerald W.; and Johnston, Everett E., to Esco Elevators, Inc. Sealing combination. 4,807,890, 2-28-89, Cl. 277-12.000.

- Gorman, Greg A.: *See—*
  - Leavitt, David D.; Kranz, Ken E.; Gorman, Greg A.; and Stewart, Norman L., Jr., 4,808,391, Cl. 423-321.00R.

Gorman, James R. Premolded fiberglass deck covering, deck and premolded fiberglass covering combination, and method of making a premolded fiberglass deck covering. 4,817,360, 4-4-89, Cl. 52-747.000.

Gorman, John E.; and Morris, John A., to Shell Oil Company. Method of grafting silane compounds to block copolymers. 4,822,857, 4-18-89, Cl. 525-245.000.

- Gorman, Kathleen: *See—*
  - Simon, James W., Jr.; and Gorman, Kathleen, 4,889,582, Cl. 148-12.70A.

Gorman, Michael A.; Sterling, Mark H.; Kiehn, Robert M.; and Wood, Lowell T., to University of Houston-University Park. Optical fiber coupler including refractive means for producing an annular beam. 4,834,484, 5-30-89, Cl. 350-96.180.

Gorman, Michael A.; Sterling, Mark H.; Kiehn, Robert M.; and Wood, Lowell T., to University of Houston-University Park. Cuspated lens. 4,842,393, 6-27-89, Cl. 350-432.000.

- Gorman, Michelle D.: *See—*
  - Puritch, George S.; and Gorman, Michelle D., 4,870,102, Cl. 514-493.000.
- Gorman, Richard E.: *See—*
  - Ashcraft, Glinden R.; Gorman, Richard E.; Kozol, Edward J.; and Paul, Robert J., 4,822,442, Cl. 156-361.000.
- Gorman-Rupp Company, The: *See—*
  - Clark, Burns W.; and Brown, Paul F., 4,865,526, Cl. 417-360.000.
  - Forsythe, Carl; Dorminy, John L.; and Raymon, Joseph W., 4,856,969. Cl. 417-395.000.
  - Lindner, Darrell M.; and Freeman, John R., 4,824,337, Cl. 417-417.000.
  - Wolford, Dale E., 4,815,747, Cl. 277-1.000.
  - Wolford, Dale E.; Makowski, Frank D.; Campbell, Mark L.; and Austen, Michael T., 4,844,701, Cl. 417-234.000.

Gorman, William G.; and Byron, David A., to Sterling Drug Inc. Method for augmentation of the alveolar ridge. 4,820,306, 4-11-89, Cl. 623-16.000.

Gormel, Thomas M., to Eastman Kodak Company. Process for stabilizing photographic elements using a solution comprising a water-soluble N-methylol compound and a buffering agent. 4,859,574, 8-22-89, Cl. 430-372.000.

- Gormley, Kenneth W., Sr.: *See—*
  - Wilhelm, Robert E., Jr.; Reader, John R., Jr.; Gormley, Kenneth W., Sr.; Hendrick, Kendall B.; and Celeste, Richard J., 4,816,730, Cl. 318-568.000.

Gormley, Thomas P., to Carrier Corporation. Balanced rolling rotor motor compressor. 4,867,652, 9-19-89, Cl. 417-353.000.

- Gormsen, Erik: *See—*
  - Huge-Jensen, Ida B.; and Gormsen, Erik, 4,810,414, Cl. 252-174.120.

Gornati, Silvano; Viscardi, Roberto; and Coccetti, Silvano, to SGS Microelecttronica S.p.A. Bias current compensating circuit, particularly for saw-tooth wave generators. 4,803,381, 2-7-89, Cl. 307-228.000.

- Gornati, Silvano: *See—*
  - Viscardi, Roberto; Gornati, Silvano; and Coccetti, Silvano, 4,837,464, Cl. 307-511.000.
- Gorneault, Gerald J.: *See—*
  - Donnelly, Brian G.; Gorneault, Gerald J.; and Stearns, Charles F., 4,825,649, Cl. 60-261.000.

Gorner, Horst; and Dyma, Horst, to Mannesmann Kienzle GmbH. Document encoding device with document reading station and document viewing station. 4,798,944, 1-17-89, Cl. 235-475.000.

- Gorney, Don: *See—*
  - Taylor, Steve; Nelson, Dale; and Gorney, Don, 4,859,057, Cl. 356-41.000.
- Gorney, Donald A., Jr.: *See—*
  - Stevens, Jerry D.; Steele, Donald R.; and Gorney, Donald A., Jr., 4,858,614, Cl. 128-661.070.

Gorniak, Andrew M.; and Fargano, Michael J., to General DataComm, Inc. Intelligent synchronous modem and communication system incorporating the same. 4,817,147, 3-28-89, Cl. 380-49.000.

- Gorno-Altaisky Gosudarstvenny Pedagogichesky Institut: *See—*
  - Lebedev, Jury A., 4,871,212, Cl. 299-21.000.
- Gornowicz, Gerald A.: *See—*
  - Sweet, Randall P.; Lee, Chi-Long; and Gornowicz, Gerald A., 4,840,796, Cl. 424-448.000.

Gornstein, Robert J.; and Patrick, Dennis J., to IMC Magnetics Corp. Propeller blade. 4,844,698, 7-4-89, Cl. 416-223.00R.

- Goro S.A.: *See—*
  - Schick, Jean-Francois, 4,858,280, Cl. 24-33.00B.
- Gorodnichev, Jury N.: *See—*
  - Guskov, Valery V.; Boikov, Vladimir P.; Moroz, Viktor A.; Kozachevsky, Gennady G.; and Gorodnichev, Jury N., 4,848,720, Cl. 249-178.000.
  - Kozachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; Sizova, Svetlana I.; Gorodnichev, Jury N.; and Nazarenko, Tamara P., 4,846,771, Cl. 474-268.000.
- Gorog nee Privitzer, Katalin: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
- Gorowitz, Bernard: *See—*
  - Brown, Dale M.; Gorowitz, Bernard; and Saia, Richard J., 4,824,802, Cl. 437-192.000.
  - Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,845,050, Cl. 437-192.000.
  - Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,871,617, Cl. 428-450.000.
- Gorre, Luisa E.: *See—*
  - Pastor, Ricardo C.; Gorre, Luisa E.; and Christensen, Lorna D., 4,839,328, Cl. 502-334.000.
  - Pastor, Ricardo C.; and Gorre, Luisa E., 4,857,293, Cl. 423-489.000.
  - Pastor, Ricardo C.; and Gorre, Luisa E., 4,869,893, Cl. 423-509.000.
- Gorres, Dieter: *See—*
  - Fleischer, Hans-Joachim; Lohscheidt, Klaus; Gorres, Dieter; and Behr, Friedrich, 4,798,631, Cl. 148-3.000.
- Gorrie Advertising Management Limited: *See—*
  - Whittington, Paul S.; and Morison, James, 4,817,900, Cl. 248-225.100.

Gorris, Joannes, to Sulzer Brothers Limited. Weft yarn store with automatic yarn measurement. 4,850,400, 7-25-89, Cl. 139-452.000.

Gors, Heinrich C.; Horner, Patrick J.; and Jansons, Viktors, to Raychem Corporation. Friedel-crafts preparation of aromatic ketones. 4,814,508, 3-21-89, Cl. 568-309.000.

Gors, Heinrich C.: *See—*
- Dahl, Klaus J.; Horner, Patrick J.; Gors, Heinrich C.; Jansons, Viktors; and Whiteley, Richard H., 4,868,271, Cl. 528-171.000.
- Jansons, Viktors; and Gors, Heinrich C., 4,843,179, Cl. 568-322.000.
- Jansons, Viktors; and Gors, Heinrich C., 4,879,366, Cl. 528-125.000.

Gorscak, Sharon L.: *See—*
- Johnson, Trevor A.; and Gorscak, Sharon L., 4,873,415, Cl. 219-121.640.

Gorsen, Robert M. Spring loaded cervical collar. 4,827,915. 5-9-89, Cl. 128-75.000.

Gorsen, Robert M. Self applicable spring loaded pelvic traction device. 4,865,022, 9-12-89, Cl. 128-75.000.

Gorshe, Steven S., to Siemens Transmission Systems, Inc. Violating All Zero Octet (VAZO) detector for a zero byte time slot interchange (ZBTSI) encoder. 4,853,931, 8-1-89, Cl. 371-55.000.

Gorshe, Steven S., to Siemens Transmission Systems, Inc. Zero byte time slot interchange (ZBTSI) encoder. 4,868,831, 9-19-89, Cl. 371-57.200.

Gorshkov, Nikolai V.: *See—*
- Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Skuridin, Vladimir P.; Gorshkov, Nikolai V.; Kovtun, Valery D.; Gapchenko, Leonid M.; and Vozovik, Anton V., 4,811,327, Cl. 369-111.000.
- Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.
- Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; and Shanoilo, Semen M., 4,875,204, Cl. 369-100.000.

Gorsk, Inc.: *See—*
- Gorski, Lawrence J.; and Gorski, Nancy G., 4,884,558, Cl. 128-11.000.

Gorski, Edward J., to Chrysler Motors Corporation. Vehicle structure including a bracket structure assembly for mounting a loose upper deck panel onto a vehicle body. 4,858,987, 8-22-89, Cl. 296-195.000.

Gorski, Elmar, to Christel, Mutze. Hair brush. 4,847,937, 7-18-89, Cl. 15-203.000.

Gorski, John W., to Textron Inc. Grass trimmer. 4,823,464, 4-25-89, Cl. 30-276.000.

Gorski, Lawrence J.; and Gorski, Nancy G., to Gorsk, Inc. Laryngoscope assembly including disposable protective enclosure. 4,884,558, 12-5-89, Cl. 128-11.000.

Gorski, Nancy G.: *See—*
- Gorski, Lawrence J.; and Gorski, Nancy G., 4,884,558, Cl. 128-11.000.

Gorski, Paul T.: *See—*
- Heshmat, Hooshang; and Gorski, Paul T., 4,863,291, Cl. 384-305.000.

Gorski, Robert A., to Du Pont de Nemours, E. I., and Company. Stabilized azeotrope or azeotrope-like composition of 1,1,2-trichloro-1,2,2-trifluoroethane, methanol and 1,2-dichloroethylene. 4,803,009, 2-7-89, Cl. 252-171.000.

Gorski, Robert A., to Du Pont de Nemours, E. I., and Company. Stabilized azeotrope or azeotrope-like composition of 1,1,2-trichloro-1,2,2-trifluoroethane and trans-1,2-dichloroethylene. 4,804,493, 2-14-89, Cl. 252-172.000.

Gorski, Robert A.; Eiseman, Bernhardt J., Jr.; and Kvalnes, Donovan E., to Du Pont de Nemours, E. I., and Company. Azeotrope or azeotrope-like composition of trichlorotrifluoroethane and dichlorodifluoroethane. 4,873,021, 10-10-89, Cl. 252-364.000.

Gorski, Robert A.: *See—*
- Merchant, Abid N.; Gorski, Robert A.; and Burke, Kenneth C., 4,877,545, Cl. 252-171.000.

Gorski, Stephen H.: *See—*
- Schlager, Kenneth J.; and Gorski, Stephen H., 4,860,172, Cl. 362-32.000.

Gorski, Werner; and Huber, Josef, to Dr. Johannes Heidenhain GmbH. Process for generating a computer model of an alterable structure. 4,879,667, 11-7-89, Cl. 364-522.000.

Gorski, William J., to Chrysler Motors Corporation. Vehicle headlamp assembly locator. 4,825,342, 4-25-89, Cl. 362-61.000.

Gorski, William J., to Chrysler Motors Corporation. Vehicle structure including a bracket structure assembly for mounting a lease upper deck panel onto a vehicle body. 4,850,639, 7-25-89, Cl. 296-195.000.

Gorski, William J., to Chrysler Motors Corporation. Vehicle structure including a bracket structure assembly for mounting a loose upper deck panel onto a vehicle body. 4,861,098, 8-29-89, Cl. 296-195.000.

Gorsky, Viktor I.: *See—*
- Milov, Vladimir N.; Loginov, Anatoly A.; Ostrenko, Nikolai S., deceased; Gorsky, Viktor I.; Demyanovich, Nikolai A.; Davletkhanov, Rifkhat B.; Klimets, Sergei N.; Dokshin, Gennady P.; Telyatnikov, Jury A.; Yarkin, Vladislav I.; Ostrenko, Ekaterina A., administrator; Chevalkova, Inna E., administrator; and Stebakova, Alla E., administrator, 4,817,700, Cl. 164-259.000.

Gorsuch, Ian: *See—*
- Moore, Michael W.; and Gorsuch, Ian, 4,863,573, Cl. 204-16.000.

Gorton, Lanny A.; and Schmidt, Gerald W., to Pacesetter Infusion, Ltd. Clamp fixture. 4,832,299, 5-23-89, Cl. 248-231.700.

Gorton, Lanny A.; and Pelmulder, John P., to Pacesetter Infusion, Ltd. Disposable cassette for a medication infusion system. 4,872,813, 10-10-89, Cl. 417-63.000.

Gorton, Lanny A.: *See—*
- Pelmulder, John P.; and Gorton, Lanny A., 4,818,190, Cl. 417-360.000.
- Schulman, Joseph H.; and Gorton, Lanny A., 4,850,972, Cl. 604-151.000.

Gortsema, Frank P.; Pellet, Regis J.; Springer, Albert R.; Rabo, Jule A.; and Long, Gary N., to UOP. Hydrocracking catalysts and processes employing non-zeolitic molecular sieves. 4,818,739, 4-4-89, Cl. 502-67.000.

Gortsema, Frank P.; Pellet, Regis J.; Springer, Albert R.; Rabo, Jule A.; and Long, Gary N., to UOP. Hydrocracking catalysts and processes employing silicoaluminophosphate molecular sieves. 4,857,495, 8-15-89, Cl. 502-214.000.

Gortsema, Frank P.: *See—*
- Pellet, Regis J.; Gortsema, Frank P.; Long, Gary N.; and Rabo, Jule A., 4,804,647, Cl. 502-66.000.
- Pellet, Regis J.; Rabo, Jule A.; Long, Gary N.; Gortsema, Frank P.; and Springer, Albert R., 4,880,760, Cl. 502-67.000.

Gorun, Sergiu M.; and Frankenfeld, John W., to Exxon Research and Engineering Company. Bis imidazole ethers as metal deactivators. 4,869,838, 9-26-89, Cl. 252-51.50R.

Goryainov, Stanislav P.: *See—*
- Ledyashov, Oleg A.; Petrov, Stanislav F.; Goryainov, Stanislav P.; Kiselman, Mark L.; Laptev, Anatoly M.; and Mishin, Viktor I., 4,809,779, Cl. 166-173.000.

Gorza, Roberto: *See—*
- Pozzobon, Alessandre; and Gorza, Roberto, 4,870,723, Cl. 24-68.0SK.
- Pozzobon, Alessandro; and Gorza, Roberto, 4,826,098, Cl. 242-99.000.

Gorzinski, Manfred: *See—*
- Fischer, Herbert; Wegemund, Bernd; Gress, Wolfgang; and Gorzinski, Manfred, 4,859,746, Cl. 525-293.000.

Gos, Stephen: *See—*
- Griffiths, Andrew; Norcross, Roy; Scherer, Gerhard; Merz, Friedrich W.; and Gos, Stephen, 4,822,496, Cl. 210-721.000.

Gosc, Paul M.: *See—*
- Citta, Richard W.; Gosc, Paul M.; Mutzabaugh, Dennis; and Sgrignoli, Gary J., 4,817,144, Cl. 380-20.000.
- Citta, Richard W.; Gosc, Paul M.; Mutzabaugh, Dennis M.; and Sgrignoli, Gary J., 4,876,718, Cl. 380-42.000.

Goscenski, Edward J., Jr., to Eaton Corporation. Manual transmission and gear rattle damper therefor. 4,873,882, 10-17-89, Cl. 74-411.000.

Gosch, Hans-Juergen: *See—*
- Fischer, Rolf; Merger, Franz; and Gosch, Hans-Juergen, 4,87[illegible],889, Cl. 560-205.000.

Goschke, Bernd, to Siemens Aktiengesellschaft. Hearing aid where components are mounted in a hearing aid housing. 4,854,415, 8-8-89, Cl. 181-130.000.

Goschke, Richard: *See—*
- Buhlmayer, Peter; Stanton, James L.; Fuhrer, Walter; Goschke, Richard; Rasetti, Vittorio; and Rueger, Heinrich, 4,889,869, Cl. 514-400.000.

Gosciniak, Donald J.: *See—*
- Cleary, Thomas P.; Gosciniak, Donald J.; and Phalangas, Charlambos J., 4,847,073, Cl. 424-59.000.

Gosciniak, John, to Multimedia Marketing, Inc. Sharps disposal system. 4,848,570, 7-18-89, Cl. 206-366.000.

Gosdowski, Gerhard: *See—*
- Bruns, Joachim; Gosdowski, Gerhard; Kettner, Andreas; and Schwarze, Udo, 4,816,955, Cl. 361-1.000.
- Clauss, Heinz; Drexel, Peter; Gosdowski, Gerhard; Kettner, Andreas; Leisner, Ernst; and Schwarze, Udo, 4,831,290, Cl. 310-12.000.
- Drexel, Peter; Erne, Hans; Gosdowski, Gerhard; Gross, Karl; Kirsten, Ulrich; and Leisner, Ernst, 4,880,265, Cl. 294-86.400.

Gose, Mark W., to Delco Electronics Corporation. Noise immune current mirror. 4,866,399, 9-12-89, Cl. 330-288.000.

Gose, William C.: *See—*
- Hyche, Kenneth W.; and Gose, William C., 4,880,470, Cl. 106-271.000.

Goseberg, Walter; and Pollack, Alfred, to TELEFUNKEN Fernseh und Rundfunk GmbH. Coil with magnetizable rod core. 4,80[illegible],831, 2-21-89, Cl. 315-399.000.

Gosebruch, Harald: *See—*
- Tonshoff, Hans K.; Grabher, Thomas; Gosebruch, Harald; and Jendryschik, Jurgen, 4,799,472, Cl. 125-11.00R.

Goseki, Yasuhide: *See—*
- Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.
- Nakahara, Toshiaki; Ohsaki, Ichiro; Ushiyama, Hisayuki; Kiuchi, Masashi; Yamazaki, Masuo; Goseki, Yasuhide; and Ochi, Hisayuki, 4,797,344, Cl. 430-138.000.

Goshima, Norio; and Watanabe, Isao, to Bridgestone Corporation. Air springs. 4,854,557, 8-8-89, Cl. 267-64.270.

Goshima, Takahiro; Hattori, Yoshiyuki; Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Accumulator. 4,799,048, 1-17-89, Cl. 340-626.000.

Goshima, Takahiro: *See—*
- Ozawa, T[illegible]hi; Tanaka, Hitoshi; Goshima, Takahiro; and Takagi, Kozi, 4,875,741, Cl. 303-116.000.

Goshoo, Yasukuni: *See—*
- Teranishi, Nobutoyo; Goshoo, Yasukuni; Ishigaki, Yoshio; Satoh, Hiroshi; and Morishita, Masao, 4,850,536, Cl. 239-332.000.

Goshorn, Jean; Loucks, L. David; and Loucks, Terry K. Animal restraint collar. 4,799,458, 1-24-89, Cl. 119-96.000.

Gosis, Anatoly, to General Signal Corp. Automatic workpiece thickness control for dual lapping machines. 4,860,498, 8-29-89, Cl. 51-165.770.

Gosis, Anatoly I.; and Fialko, Margaret, to Siemens Gammasonics, Inc. Collimator storage device in particular a collimator cart. 4,865,284, 9-12-89, Cl. 248-187.000.

Gosling, Christopher D.: *See—*
- Cottrell, Paul R.; Fritsch, Thomas R.; and Gosling, Christopher D., 4,861,930, Cl. 585-317.000.

Gosmann, Martin: *See—*
- Franck, Burchard; and Gosmann, Martin, 4,798,891, Cl. 540-472.000.

Gosnell, John R., to Wapakoneta Machine Company, The. Slitting machine for sheet material. 4,805,506, 2-21-89, Cl. 83-500.000.

Gosnell, Raymond H.: *See—*
- Francis, Philip S., Jr.; Harris, Stephen J.; and Gosnell, Raymond H., 4,828,132, Cl. 220-6.000.

Gosney, Ian: *See—*
- Cadogan, John I. G.; Gosney, Ian; and Wright, Peter M., deceased, 4,827,010, Cl. 558-82.000.

Gospos, Georg: *See—*
- Muschelknautz, Edgar; Becker, Ernst; Bartsch, Adalbert; Kersten, Lars; Gospos, Georg; and Berndt, Gerhard. 4,871,147, Cl. 266-182.000.

Goss, Charles T., to Goss, Inc. Burner assembly. 4,886,447, 12-12-89, Cl. 431-353.000.

Goss, Gary J.; Hirsch, Thomas S.; and Holtey, Thomas O., to Honeywell Bull Inc. Facility for passing data used by one operating system to a replacement operating system. 4,799,145, 1-17-89, Cl. 364-200.000.

Goss, Inc.: *See—*
- Goss, Charles T., 4,886,447, Cl. 431-353.000.

Goss, Lloyd C.: *See—*
- Radwan, Hatem R.; and Goss, Lloyd C., 4,855,851, Cl. 360-104.000.

Goss, M. Edwin. Bicycle map holder. 4,828,151, 5-9-89, Cl. 224-30.00A.

Goss, Ray J.; and Spector, George. Console for a vehicle. 4,796,791, 1-10-89, Cl. 224-275.000.

Gossage, John J. V., executor: *See—*
- Noble, John B., deceased; Pearce, John A., executor; and Gossage, John J. V., executor, 4,804,185, Cl. 273-85.0CP.

Gossard, Arthur C.; Miller, Robert C.; and Petroff, Pierre M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Semiconductor devices and methods of making such devices. 4,860,068, 8-22-89, Cl. 357-16.000.

Gossard, Arthur C.: *See—*
- Capasso, Federico; French, Harry T.; Gossard, Arthur C.; Hutchinson, Albert L.; Kiehl, Richard A.; and Sen, Sustana, 4,849,799, Cl. 357-34.000.

Gossart, Isabelle V.: *See—*
- Josso, Pierre J.; Gossart, Isabelle V.; and Duret-Thual, Claude, 4,844,739, Cl. 106-1.270.

Gosse, Dominique; and Silber, Gerard, to Societe de Fabrication d'Instruments de Mesure. Automatic or manual opening device for the door of a safety equipment box. 4,848,810, 7-18-89, Cl. 292-129.000.

Gossel, Helmut; Kuckertz, Herbert; Rittner, Siegbert; Rosenfelder, Josef; and Wojtech, Bernhard, to Hoechst Aktiengesellschaft. Process for extracting nitrohydroxyaromatics from aqueous solutions. 4,814,518, 3-21-89, Cl. 568-708.000.

Gosselin, Jerome T., to Minnesota Mining and Manufacturing Company. Electrical wrist band connector for a watch band. 4,885,728, 12-5-89, Cl. 368-10.000.

Gosselin, Peter G.: *See—*
- Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gosselin, Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, 4,885,182, Cl. 426-482.000.

Gosselink, Eugene P., to Procter & Gamble Company, The. Sulfonated block polyesters useful as soil release agents in detergent compositions. 4,861,512, 8-29-89, Cl. 252-174.230.

Gosselink, Eugene P.: *See—*
- Clauss, Allen D.; and Gosselink, Eugene P., 4,876,046, Cl. 8-111.000.
- Maldonado, Rene; Trinh, Toan; and Gosselink, Eugene P., 4,877,896, Cl. 560-14.000.
- Trinh, Toan; Gosselink, Eugene P.; and Rattinger, Gail B., 4,818,569, Cl. 427-242.000.

Gossen, Richard N., Jr.; Bruncke, William C.; and Baker, Gordon D., to Texas Instruments Incroporated. Shielding for implant in manufacture of dynamic memory. 4,883,543, 11-28-89, Cl. 437-37.000.

Gosser, Lawrence W.; and Schwartz, Jo-Ann T., to Du Pont de Nemours, E. I., and Company. Hydrogen peroxide production method using platinum/palladium catalysts. 4,832,938, 5-23-89, Cl. 423-584.000.

Gosser, Lawrence W., to Du Pont de Nemours, E. I., and Company. Hydrogen peroxide method using optimized H+ and BR— concentrations. 4,889,705, 12-26-89, Cl. 423-584.000.

Gossett, Allen D. Breathing apparatus. 4,821,712, 4-18-89, Cl. 128-205.150.

Gossett, Wayne L.: *See—*
- Phillips, Roger W.; Spellman, Vernon C.; Gossett, Wayne L.; Kamerling, Marc A.; and Coombs, Paul G., 4,840,281, Cl. 215-230.000.

Gossink, Robert G., to U.S. Philips Corporation. Replica lens having a glass lens body. 4,844,594, 7-4-89, Cl. 350-417.000.

Gossl, Erhard; Lutz, Hans; and Schottle, Peter, to Robert Bosch GmbH. Stacking device for uniform, especially platelike pieces. 4,806,059, 2-21-89, Cl. 414-331.000.

Gosslar, Achim; and Heider, Jurgen, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. Single-ended high-pressure discharge lamp with coil and mandrel electrode. 4,851,735, 7-25-89, Cl. 313-631.000.

Gossler, Hans K.; and Guynn, Chester K. Pallets supported reinforced container. 4,880,141, 11-14-89, Cl. 220-464.000.

Gossmann, Willi: *See—*
- Stark, Josef; Gossmann, Willi; and Wurmback, Rupert, 4,805,281, Cl. 29-252.000.

Gossudarsvenny Proektny i Nauchno-Issledovatelsky Institute Nikelevo-Kobaltovoi Promyshylennosti: *See—*
- Fridlyand, Mikhail G., 4,810,851, Cl. 219-121.590.

Gosswein, Claus, to Code Kaffee-Handelsges. mbH. Gastric mucosa protective agents. 4,865,847, 9-12-89, Cl. 424-439.000.

Gosswein, Claus F.: *See—*
- Kopsch, Reiner; Gosswein, Claus F.; Lutz, Henning; Ball, Michael; and Hubert, Peter, 4,872,987, Cl. 210-635.000.

Gosswiller, Earl W., to Federal Signal Corporation. Outdoor warning siren. 4,847,590, 7-11-89, Cl. 340-405.000.

Gosteli, Jacques: *See—*
- Mergler, Monika; Gosteli, Jacques; and Grogg, Peter, 4,831,084, Cl. 525-333.400.

Gostelow, Benjamin F., to New World Domestic Appliances Limited. Flow control assemblies for gaseous fuel. 4,819,907, 4-11-89, Cl. 251-96.000.

Gostelow, Benjamin F., to New World Domestic Appliances Limited. Air extractor arrangements. 4,889,104, 12-26-89, Cl. 126-299.00R.

Gostic, William J.; Khan, Abdus S.; and Murphy, Kenneth S., to United Technologies Corporation. Oxidation resistant superalloy single crystals. 4,878,965, 11-7-89, Cl. 148-404.000.

Gostin, Gary B.: *See—*
- Chastain, David M.; and Gostin, Gary B., 4,812,972, Cl. 364-200.000.
- Harris, Michael C.; Chastain, David M.; and Gostin, Gary B., 4,873,629, Cl. 364-200.000.

Gosting, Larry H.: *See—*
- Goldstein, Lynn C.; and Gosting, Larry H., 4,851,333, Cl. 435-7.000.

Gostyla, Eugene J., to North American Philips Corp. Replacement ballast structures in roadway and/or area luminaires. 4,796,001, 1-3-89, Cl. 338-20.000.

Gosudarstvenny Proektno-Konstruktorsky I Experimentalny Institut Po Obogatitelnomu Oborudovaniju: *See—*
- Dobryakov, Valentin I.; Zhevzhik, Galina V.; Seballo, Valery A.; Zhukov, Evgeny V.; Ententeev, Altar Z.; Struzhkov, Vyacheslav N.; and Gorbachev, Alexandr S., 4,871,448, Cl. 209-169.000.

Gosudarstvenny Proektno-Konstruktorsky I Experimentalny Institut Ugolnogo Mashinostroenia "Giprouglemash" : *See—*
- Masovich, Felix Z.; Osokin, Jury I.; Pukis, Alexandr A.; Stepanov, Nikolai I.; and Shishlov, Vyacheslav I., 4,844,548, Cl. 299-43.000.

Goswami, Bhuvenesh C.: *See—*
- McCullough, Francis P., Jr.; Snelgrove, R. Vernon; and Goswami, Bhuvenesh C., 4,857,394, Cl. 428-303.000.
- McCullough, Francis P., Jr.; Lane, Eckel R.; Goswami, Bhuvenesh C.; and Hall, David M., 4,869,962, Cl. 428-408.000.

Goswami, Kisholoy: *See—*
- Klainer, Stanley M.; Harris, J. Milton; and Goswami, Kisholoy, 4,824,206, Cl. 350-96.290.

Goswami, Ramanuj; and Chen, Chin H., to Eastman Kodak Company. Fluorescent dyes and biological and analytical uses thereof. 4,812,393, 3-14-89, Cl. 435-4.000.

Gotaas, Birger: *See—*
- Knaffl, Berislav; Knapp, Peter; Rufer, Alfred-Christophe; Zurcher, Urs; and Gotaas, Birger, 4,800,481, Cl. 363-70.000.

Gotal, John D.: *See—*
- Scott, Junius D.; and Gotal, John D., 4,811,193, Cl. 363-165.000.

Gotanda, Kotaro: *See—*
- Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihiro; Ishimori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.

Gotanda, Masakazu, to Olympus Optical Co., Ltd. Ultrasonic oscillation circuit. 4,879,528, 11-7-89, Cl. 331-4.000.

Gotanda, Motohiro. Lock device with trigger bolt. 4,840,050, 6-20-89, Cl. 70-107.000.

Gotanda, Motohiro. Electrical shock-preventable key unit. 4,852,374, 8-1-89, Cl. 70-456.00R.

Gotaverken Arendal AB: *See—*
- Liljestrom, Goran; and Johansson, Bengt, 4,831,951, Cl. 114-41.000.
- Liljestrom, Goran; and Johansson, Bengt, 4,860,679, Cl. 114-40.000.
- Lindberg, Kaj; Steen, Gerry; and Germundson, Elon, 4,875,806, Cl. 405-224.000.
- Rasmussen, Jens, 4,818,147, Cl. 405-224.000.

Gotaverken Arendel AB: *See—*
- Sarwe, Anders, 4,823,719, Cl. 114-126.000.

Gotaverken Energy AB: *See—*
- Wahlgren, Anders, 4,813,479, Cl. 165-104.160.

Gotaverken Energy Systems AB: *See—*
- Herstad, Ola; and Olausson, Lars, 4,796,546, Cl. 110-216.000.
- Kullendorff, Anders N.; Jansson, Bjorn G.; and Olofsson, Jan I., 4,813,381, Cl. 122-4.00D.

- Gotberg, Steven R.: *See—*
  - Sofia, Samuel C.; Johnson, Kerrie A.; Crill, Marla S.; Roop, Martin J.; Gotberg, Steven R.; Nigrelli, Anthony S.; and Hutchinson, Laurence S., 4,795,531, Cl. 162-164.600.
- Gotch, Kunihiko: *See—*
  - Kobayashi, Osamu; and Gotch, Kunihiko, 4,859,871, Cl. 307-264.000.
- Gotfryd, Casimer; Kay, Stephen L.; Klotz, Hartland P.; and Wentzel, Robert M., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Quiet key switch. 4,859,820, 8-22-89, Cl. 200-408.000.
- Goth, George R., to International Business Machines Corporation. Self-aligned channel stop. 4,824,797, 4-25-89, Cl. 437-67.000.
- Goth, Kurt: *See—*
  - Maier, Reinhard; and Goth, Kurt, 4,858,057, Cl. 361-94.000.
- Goth, Shirley L. Abdominal and pelvic area support. 4,867,145, 9-19-89, Cl. 128-96.100.
- Gotisar, Ted, to Coen Company, Inc. Flame scanning system. 4,823,114, 4-18-89, Cl. 340-578.000.
- Gotley, Paul: *See—*
  - Bone, David J.; Gibbs, Trevor K.; Buckenham, Howard A.; and Gotley, Paul, 4,810,352, Cl. 204-432.000.
- Gotlieb, Abraham: *See—*
  - Arenstein, Zeev; and Gotlieb, Abraham, 4,838,928, Cl. 71-93.000.
- Gotlieb, Alan R.; and Watson, Alan K., to University of Vermont and State Agricultural College, The; and Royal Institution for the Advancement of Learning (McGill University), The. Synergistic herbicidal compositions comprising microbial herbicides and plant growth regulators. 4,808,207, 2-28-89, Cl. 71-73.000.
- Gotlieb, Isaac; and Zidon, Aharon. Method for separating dissolved organic compounds from a solution. 4,844,811, 7-4-89, Cl. 210-703.000.
- Gotman, Alexander S., to Gotman, Alexander S.; Arant, Gene W.; Kleinberg, Marvin H.; and Lerner, Marshall A. Rotating driver with automatic speed and torque switching. 4,869,139, 9-26-89, Cl. 81-475.000.
- Gotman, Alexander S., to Arant, Gene W.; Kleinberg, Marvin H.; and Lerner, Marshall A. Secure three-piece threaded fastener, and method. 4,874,275, 10-17-89, Cl. 411-5.000.
- Gotman, Linda; and Gotman, Nickolas K. Savings bank. 4,811,828, 3-14-89, Cl. 194-351.000.
- Gotman, Nickolas K.: *See—*
  - Gotman, Linda; and Gotman, Nickolas K., 4,811,828, Cl. 194-351.000.
- Goto, Atsushi, to Alps Electric Co., Ltd. Mask structure for type belt of printer. 4,801,223, 1-31-89, Cl. 400-145.100.
- Goto, Chiaki, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,814,617, 3-21-89, Cl. 250-327.200.
- Goto, Chiaki; and Kazuo, Horikawa, to Fuji Photo Film Co., Ltd. Light beam scanning apparatus, method of correcting unevenness in scanning lines in light beam scanning apparatus, method of detecting deflection of rotational axis of light beam deflector and rotational axis deflection detecting device. 4,829,175, 5-9-89, Cl. 250-236.000.
- Goto, Chiaki; and Noguchi, Masaru, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,829,180, 5-9-89, Cl. 250-327.200.
- Goto, Chiaki; and Horikawa, Kazuo, to Fuji Photo Film Co., Ltd. Rotary light beam deflector with revolution surface mirror. 4,841,135, 6-20-89, Cl. 350-6.800.
- Goto, Chikado; and Tobita, Hiroshi, to Ikegami Tsushinki Co., Ltd. Sorting apparatus. 4,819,931, 4-11-89, Cl. 271-287.000.
- Goto, Chikado; Hayashi, Kenji; and Sakuuchi, Toshio, to Ikegami Tsushinki Co., Ltd. Sorting machine. 4,830,357, 5-16-89, Cl. 271-293.000.
- Goto, Eiichi; and Harada, Yutaka, to Research Development Corporation. Weak field measuring magnetometer with flux modulated current conducting Josephson junction. 4,851,776, 7-25-89, Cl. 324-248.000.
- Goto, Eiichi: *See—*
  - Harada, Yutaka; Goto, Eiichi; Kawabe, Ushio; Miyamoto, Nobuo; Nakane, Hideaki; and Hatano, Mutsuko, 4,866,373, Cl. 324-127.000.
- Goto, Fumio; and Otawa, Taro, to Namba Press Works Co., Ltd. Method for shaping thermoplastic fabrics. 4,883,632, 11-28-89, Cl. 264-544.000.
- Goto, Giichi; and Nagaoka, Akinobu, to Takeda Chemical Industries, Ltd. Azaspiro compounds and their use. 4,804,665, 2-14-89, Cl. 514-278.000.
- Goto, Hideo: *See—*
  - Ohta, Hiroyuki; Yoshida, Naoki; and Goto, Hideo, 4,822,441, Cl. 156-345.000.
- Goto, Hiroshi: *See—*
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,839,423, Cl. 525-80.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,839,432, Cl. 525-303.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,877,841, Cl. 525-286.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,879,347, Cl. 525-263.000.
  - Nakayama, Masahiko; and Goto, Hiroshi, 4,815,059, Cl. 369-45.000.
  - Okina, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranishi, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, 4,871,612, Cl. 428-269.000.
  - Yamanari, Shozo; Horiuchi, Tetsuo; Tominaga, Kenji; Goto, Hiroshi; and Miura, Satoshi, 4,808,369, Cl. 376-282.000.
- Goto, Hiroshige, to Kabushiki Kaisha Toshiba. Manufacturing method of semiconductor device having CCD and peripheral circuit. 4,859,624, 8-22-89, Cl. 437-53.000.
- Goto, Hiroyuki; Kohama, Tokio; Nishio, Yoshitaka; Obayashi, Hideki; and Horie, Kazuyuki, to Nippondenso Co., Ltd. Intake control system for internal combustion engine and intake control valve used therein. 4,796,584, 1-10-89, Cl. 123-403.000.
- Goto, Hiroyuki: *See—*
  - Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,886,612, Cl. 252-49.500.
  - Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,889,648, Cl. 252-49.500.
  - Obayashi, Hideki; Nishio, Yoshitaka; Kohama, Tokio; and Goto, Hiroyuki, 4,858,568, Cl. 123-52.00M.
- Goto, Hisaharu, to Aisin Seiki Kabushiki Kaisha. Embroidery frame supporting device for an embroidery sewing machine. 4,834,006, 5-30-89, Cl. 112-103.000.
- Goto, Hisashi; and Inoue, Osamu, to Bridgestone Corporation. Heavy duty pneumatic tire having asymmetric tread. 4,830,077, 5-16-89, Cl. 152-209.00A.
- Goto, Ikuo: *See—*
  - Miwa, Harufumi; Kashiwada, Minoru; and Goto, Ikuo, 4,877,583, Cl. 422-73.000.
- Goto, Junjiro: *See—*
  - Maekawa, Tohru; Ueda, Satoshi; Takigawa, Hiroshi; Kochi, Tetsuya; and Goto, Junjiro, 4,795,907, Cl. 250-352.000.
- Goto, Kanzen: *See—*
  - Kawai, Rie; Goto, Kanzen; and Morimoto, Kunio, 4,825,051, Cl. 235-379.000.
- Goto, Katsuchlika. Optical scanning pattern generator. 4,795,224, 1-3-89, Cl. 350-6.300.
- Goto, Katsuhiko; and Namizaki, Hirofumi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser device. 4,809,289, 2-28-89, Cl. 372-46.000.
- Goto, Katsuhiko: *See—*
  - Omura, Etsuji; and Goto, Katsuhiko, 4,847,217, Cl. 437-160.000.
  - Omura, Etsuji; Goto, Katsuhiko; Takahashi, Shogo; Namba, Harumi; and Takemoto, Akira, 4,888,781, Cl. 372-46.000.
- Goto, Katsuhiro, to Tokai Rubber Industries Ltd.; and Toyota Jidosha Kabushiki Kaisha. Fluid-filled cylindrical elastic mount having movable member in fluid chamber. 4,865,299, 9-12-89, Cl. 267-140.100.
- Goto, Kazuaki: *See—*
  - Manabe, Katsuhide; Ogisu, Yasuhiko; Goto, Kazuaki, and Toya, Hisao, 4,836,901, Cl. 204-164.000.
- Goto, Kazuhiro, to AMP Incorporated. Wear-indicating piercer pin for explosively-operated tools. 4,817,493, 4-4-89, Cl. 89-1.140.
- Goto, Kenichi: *See—*
  - Suzuki, Hitoshi; Hirano, Tomohiro; Goto, Kenichi; and Watanabe, Yoshimi, 4,846,124, Cl. 123-195.00P.
  - Watanabe, Yoshimi, Miyakoshi, Shinichi; and Goto, Kenichi, 4,840,152, Cl. 123-52.0MV.
- Goto, Kinji: *See—*
  - Kitamura, Yoshiaki; and Goto, Kinji, 4,883,090, Cl. 137-625.410.
- Goto, Kiyokazu: *See—*
  - Ishizaka, Yoshirou; Naganuma, Hiroshi; Sato, Kenji; Kishi, Yuji; Ishida, Yoshihisa; and Goto, Kiyokazu, 4,872,320, Cl. 62-255.000.
- Goto, Kiyoshi: *See—*
  - Kita, Noriyasu; and Goto, Kiyoshi, 4,840,869, Cl. 430-191.000.
- Goto, Kiyoto: *See—*
  - Kanai, Kenichi; Goto, Kiyoto; and Hashimoto, Kinji, 4,868,183, Cl. 514-255.000.
- Goto, Koji; and Sakakibara, Teigo, to Canon Kabushiki Kaisha. Image forming apparatus. 4,853,736, 8-1-89, Cl. 355-210.000.
- Goto, Kouji; and Noda, Syuji, to Aisin Seiki Kabushiki Kaisha. Interface for an electrical device. 4,862,056, 8-29-89, Cl. 323-275.000.
- Goto, Kunihiro, to NEC Corporation. Repeater arrangement capable of avoiding accumulation of stuff jitters. 4,884,268, 11-28-89, Cl. 370-102.000.
- Goto, Makio: *See—*
  - Asahina, Michio; and Goto, Makio, 4,826,781, Cl. 437-41.000.
- Goto, Makoto. Clamping apparatus for clamping an antiskid device for tires. 4,862,935, 9-5-89, Cl. 152-213.00A.
- Goto, Masahiro: *See—*
  - Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,804,576, Cl. 428-216.000.
  - Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,842,944, Cl. 428-451.000.
  - Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,883,715, Cl. 428-421.000.
- Goto, Masaki: *See—*
  - Hattori, Torao; Nishimura, Minoru; and Goto, Masaki, 4,830,845, Cl. 474-242.000.
- Goto, Masao; and Hayashi, Hideaki, to Nippon Columbia Co., Ltd. Dual differential optical system moving apparatus. 4,831,615, 5-16-89, Cl. 369-223.000.
- Goto, Masao: *See—*
  - Kimura, Haruo; Ishidate, Takeo; and Goto, Masao, 4,883,183, Cl. 209-534.000.
- Goto, Masaru: *See—*
  - Osada, Shuichi; Hayashi, Satoru; Goto, Masaru; and Godo, Kiyoshi, 4,854,529, Cl. 246-187.00B.
- Goto, Masayoshi: *See—*
  - Sakurai, Masao; Goto, Masayoshi; and Tanaka, Toshizo, 4,845,102, Cl. 514-263.000.

- Goto, Michiyo: *See—*
  - Uekawa, Yutaka; Takata, Shuji; and Goto, Michiyo, 4,882,758, Cl. 381-50.000.
- Goto, Mitsuhiro: *See—*
  - Hamamura, Ken; Kawahara, Sei; and Goto, Mitsuhiro, 4,880,374, Cl. 425-185.000.
- Goto, Naohiro: *See—*
  - Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
- Goto, Naohisa; Ito, Yoshiharu; Arimura, Kunitaka; Ando, Makoto; Shirai, Tatsuya; and Teramoto, Ryuji. Flat circular unidirectional microwave antenna. 4,819,003, 4-4-89, Cl. 343-771.000.
- Goto, Nobuo; Ishii, Hiroshisa; and Nakajima, Hirokazu, to Chisso Corporation. Polyolefin composition. 4,820,772, 4-11-89, Cl. 524-83.000.
- Goto, Nobutaka: *See—*
  - Kobayashi, Kazuhiro; Kurematsu, Masayuki; Koboshi, Shigeharu; Goto, Nobutaka; and Takabayashi, Naoki, 4,874,530, Cl. 210-718.000.
  - Koboshi, Shigeharu; Kuse, Satoru; Kurematsu, Masayuki; and Goto, Nobutaka, 4,839,682, Cl. 354-312.000.
- Goto, Norifumi: *See—*
  - Ota, Yoshio, Goto, Norifumi; Motoyama, Iwao; Iwashita, Tetsushi; and Nomura, Kunio, 4,824,654, Cl. 423-432.000.
  - Ota, Yoshio; Goto, Norifumi; Motoyama, Iwao; Iwashita, Tetsushi; and Nomura, Kunio, 4,857,291, Cl. 423-430.000.
- Goto, Sachio; Kobayashi, Hideo; Yasumori, Akira; Kimura, Tsutomu; and Hayashi, Hiroshi, to Mitsubishi Kinzoku Kabushiki Kaisha; Kusakabe Copastar Company; and Sachio Goto. Corrosion-resistant copper alloy. 4,830,825, 5-16-89, Cl. 420-486.000.
- Goto, Satoshi: *See—*
  - Takei, Yoshiaki; Kijima, Eiichi; Goto, Satoshi; and Nomori, Hiroyuki, 4,835,080, Cl. 430-58.000.
- Goto, Shigeki: *See—*
  - Shimei, Masato; Goto, Shigeki; and Takahashi, Shigeo, 4,799,404, Cl. 74-869.000.
- Goto, Shigenori; Mase, Saburo; Tayama, Hirofumi; Hara, Tadashi; and Fujii, Yasuo, to Fujikura Ltd.; and Kansai Telecommunication Technology. Optical fiber distribution apparatus. 4,832,436, 5-23-89, Cl. 350-96.200.
- Goto, Shigenori; and Iwai, Fumio, to Fuji Photo Film Co., Ltd. Self-timing shutter release control for a camera. 4,835,560, 5-30-89, Cl. 354-238.100.
- Goto, Shigenori; and Iwai, Fumio, to Fuji Photo Film Co., Ltd. Pre-winding control device for a camera. 4,885,599, 12-5-89, Cl. 354-173.110.
- Goto, Shigeo: *See—*
  - Yoshimi, Keiichi; Goto, Shigeo; and Asazuma, Masaaki, 4,861,403, Cl. 156-138.000.
- Goto, Shigeru, to Mitsubishi Denki Kabushiki Kaisha. Framework structure for an inclined passenger conveyor such as an escalator. 4,832,169, 5-23-89, Cl. 198-326.000.
- Goto, Shinichi: *See—*
  - Inayama, Yukiyoshi; Sorimachi, Akio; Sugizaki, Tomohiro; Goto, Shinichi; Satou, Kouichi; Nagata, Masatoshi; and Nagata, Takuji, 4,833,847, Cl. 52-208.000.
- Goto, Shoji: *See—*
  - Endo, Noboru; Kikuchi, Yutaka; Yamatsuta, Kiichi; and Goto, Shoji, 4,822,525, Cl. 252-629.000.
- Goto, Sohei: *See—*
  - Kobayashi, Tatsuhiko; Goto, Sohei; and Okauchi, Ken, 4,868,089, Cl. 430-203.000.
  - Kohno, Junichi; Okauchi, Ken; Goto, Sohei; Iwagaki, Masaru; and Komamura, Tawara, 4,837,141, Cl. 430-559.000.
- Goto, Somio: *See—*
  - Noguchi, Minetoshi; Goto, Somio; Nemoto, Masakazu; and Ishibashi, Jiro, 4,794,875, Cl. 112-315.000.
- Goto, Sumio, to Showa Denko Kabushiki Kaisha. Process and apparatus for extrusion of thermoplastic resin films. 4,871,493, 10-3-89, Cl. 264-40.600.
- Goto, Susumu; Kumabe, Yuichi; and Okunuki, Masahiko, to Canon Kabushiki Kaisha. Alignment system using an electron beam. 4,812,662, 3-14-89, Cl. 250-491.100.
- Goto, Tadashi: *See—*
  - Aoyama, Goro; Kawabe, Ryuhei; Ikeda, Takashi; and Goto, Tadashi, 4,869,647, Cl. 415-50.000.
  - Yamashita, Sachihiro; Enomoto, Masayuki; and Goto, Tadashi, 4,864,095, Cl. 219-86.240.
- Goto, Takaharu: *See—*
  - Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-78.00B.
- Goto, Takakiyo: *See—*
  - Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.
- Goto, Takao; and Sekino, Jun, to Gotoh Gut Yugen Kaisha. Tuning peg. 4,827,825, 5-9-89, Cl. 84-306.000.
- Goto, Takao: *See—*
  - Yamada, Shin-ichi; Goto, Takao; Mashiko, Toshihisa; Kogi, Kentaro; Oguchi, Yukiko; and Narita, Senichi, 4,874,760, Cl. 514-234.200.
- Goto, Takuo: *See—*
  - Iwasaki, Tetsuji; Goto, Takuo; and Matsumoto, Tadao, 4,844,734, Cl. 71-120.000.
- Goto, Tatsuo: *See—*
  - Namikoshi, Hajime; and Goto, Tatsuo, 4,877,617, Cl. 424-409.000.
- Goto, Tetsuo: *See—*
  - Kubota, Misao; Sugai, Osamu; Goto, Tetsuo; Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, 4,830,747, Cl. 210-203.000.
  - Matuura, Nobuhiko; Usijima, Kunio; and Goto, Tetsuo, 4,795,889, Cl. 235-379.000.
- Goto, Tokio: *See—*
  - Yamaguchi, Kouichi; and Goto, Tokio, 4,888,059, Cl. 106-314.000.
- Goto, Tokuju; Tanaka, Itsuo; Takahashi, Masakatu; Sando, Yoshikazu; and Ishidoshiro, Hiroshi, to Sando Iron Works Co., Ltd. Apparatus for low-temperature plasma treatment of sheet material. 4,829,189, 5-9-89, Cl. 250-492.300.
- Goto, Tomoe: *See—*
  - Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Koji; and Goto, Tomoe, 4,823,714, Cl. 112-262.300.
- Goto, Tomoji: *See—*
  - Ohtsuka, Akira; Goto, Tomoji; and Ida, Masao, 4,879,588, Cl. 357-68.000.
- Goto, Tomoko: *See—*
  - Hanada, Kazuyuki; Misaizu, Iwao; Kashimura, Masashi; Goto, Tomoko; and Kuriyama, Katsumi, 4,853,418, Cl. 521-154.000.
  - Kuriyama, Katsumi; Hanada, Kazuyuki; Nakamura, Susumu; Misaizu, Iwao; Kashimura, Masashi; and Goto, Tomoko, 4,837,198, Cl. 503-227.000.
- Goto, Toshio: *See—*
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; and Yagi, Shigeki, 4,798,620, Cl. 71-95.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,804,394, Cl. 71-92.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,828,604, Cl. 71-90.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Hayakawa, Hidenori; and Yagi, Shigeki, 4,836,844, Cl. 71-90.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,845,230, Cl. 548-139.000.
- Goto, Tukasa: *See—*
  - Nanba, Sinzi; Mizuno, Toru; Koike, Satoshi; and Goto, Tukasa, 4,832,427, Cl. 350-3.720.
- Goto, Yasuhiro; Yonezawa, Takeyuki; and Ohnuma, Yoshiyuki, to Kabushiki Kaisha Toshiba. Silicon nitride-ceramic and a manufacturing method therof. 4,886,767, 12-12-89, Cl. 501-97.000.
- Goto, Yasuhiro: *See—*
  - Sato, Hirokazu; Goto, Yasuhiro; Horiuchi, Kazufumi; Michibayashi, Yasuo; Nobutsugu, Hideo; and Kawamura, Takumi, 4,838,368, Cl. 177-25.180.
- Goto, Yasuyuki; Sugimori, Shigeru; and Ogawa, Tetsuya, to Chisso Corporation. Cyclohexane derivative and liquid crystal composition containing same. 4,797,228, 1-10-89, Cl. 252-299.630.
- Goto, Yasuyuki; and Ogawa, Tetsuya, to Chisso Corporation. Novel tolan type liquid crystal compound. 4,816,180, 3-28-89, Cl. 252-299.630.
- Goto, Yasuyuki; and Ogawa, Tetsuya, to Chisso Corporation. Cyclohexane derivative and liquid crystal composition containing the same. 4,820,443, 4-11-89, Cl. 252-299.630.
- Goto, Yasuyuki; and Ogawa, Tetsuya, to Chisso Corporation. Tolan derivative and liquid crystal composition containing the same. 4,839,091, 6-13-89, Cl. 252-299.630.
- Goto, Yasuyuki, to Chisso Corporation. Cyclohexane derivative. 4,853,152, 8-1-89, Cl. 252-299.630.
- Goto, Yasuyuki; Ogawa, Tetsuya; and Sugimori, Shigeru, to Chisso Corporation. Fluorophenylcyclohexane derivative. 4,855,076, 8-8-89, Cl. 252-299.630.
- Goto, Yasuyuki: *See—*
  - Kitano, Kisei; and Goto, Yasuyuki, 4,824,596, Cl. 252-299.610.
  - Sugimori, Shigeru; Goto, Yasuyuki; and Ogawa, Tetsuya, 4,816,179, Cl. 252-299.630.
  - Utsumi, Kenichi; Yuasa, Tetsuya; Goto, Yasuyuki; Tsugawa, Iwao; and Koshino, Nagaaki, 4,889,746, Cl. 427-162.000.
- Goto, Yoshihiko: *See—*
  - Kondo, Takeshi; Negishi, Junji; Goto, Yoshihiko; Minezaki, Matsue; and Kawai, Toshikazu, 4,849,557, Cl. 570-177.000.
  - Muramatsu, Hidenori; Yamada, Kimichika; Nozawa, Katsuya; and Goto, Yoshihiko, 4,841,392, Cl. 360-85.000.
- Goto, Yoshihiro: *See—*
  - Takagi, Hiroshi; Goto, Yoshihiro; Sato, Kazuhiro; Okudo, Yoshikazu; and Takiguchi, Osamu, 4,866,612, Cl. 364-413.220.
- Goto, Yukihisa; Masamoto, Kazuhisa; Yagihara, Hiroshi; Morishima, Yasuo; and Osabe, Hirokazu, to Daicel Chemical Industries Ltd. Pyridine-3-carboxamide derivatives. 4,844,732, 7-4-89, Cl. 71-94.000.

Goto, Yukihisa: *See—*
Yagihara, Hiroshi; Goto, Yukihisa; Masamoto, Kazuhisa; Morishima, Yasuo; and Osabe, Hirokazu, 4,886,546, Cl. 71-88.000.
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Nagashima, Ikuo; Fukui, Jun; Gotoh, Hiroshi; Kaneko, Hiroko; Nozaki, Ken; and Ozawa, Takeo, 4,814,241, Cl. 429-199.000.
Okada, Atsuyuki; Kubota, Kouhei; Satoh, Tsutomu; Gotoh, Hiroshi; and Oziro, Takeshi, 4,882,126, Cl. 420-516.000.
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Gotoh, Makoto; and Hamaoka, Kouji. Brushless DC motor. 4,888,533, 12-19-89, Cl. 318-524.000.
Gotoh, Makoto: *See—*
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Gotoh, Ryo, to Hitachi Metals, Ltd. Core assembly for a flying magnetic head with magnetic gap on air-bearing surface. 4,821,131, 4-11-89, Cl. 360-103.000.
Gotoh, Shiroh: *See—*
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Gotoh, Taiji; Yamamoto, Hidetoshi; and Yamada, Kiyoshi, to Mie Hooro Co., Ltd. Method of joining pipes. 4,850,096, 7-25-89, Cl. 29-508.000.
Gotoh, Taiji; Yamamoto. Hidetoshi; and Yamada, Kiyoshi, to Mie Hooro Co., Ltd. Method of joining pipes. 4,880,260, 11-14-89, Cl. 285-382.200.
Gotoh, Takeshi: *See—*
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Gotoh, Tetsuya; Kondoh, Tosiyuki; and Aoyagi, Mutsuo, to Toray Industries, Inc. Near-infrared sensitive phthalocyanine-polymer compositions. 4,816,386, 3-28-89, Cl. 430-495.000.
Gotoh, Tetsuya: *See—*
Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi; Gotoh, Tetsuya; and Horiguchi, Shiro, 4,839,005, Cl. 204-129.460.
Gotoh, Toshihiko: *See—*
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Gotoh, Toshihiro: *See—*
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Gotoh, Toshio, to Pioneer Electronic Corporation. Detector circuit for detecting drop-out in reproduced digital data. 4,860,121, 8-22-89, Cl. 358-336.000.
Gotoh, Toshio, to Pioneer Electronic Corporation. Circuit for detecting signal loss, or drop-out, in a digital signal processing system with A/D conversion. 4,864,426, 9-5-89, Cl. 358-336.000.
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Gotou, Hidemi; and Kimura, Shinichi, to Canon Kabushiki Kaisha. Key input apparatus provided with a key input buffer. 4,804,278, 2-14-89, Cl. 400-54.000.
Gotou, Makoto, to Matsushita Electric Industrial Co., Ltd. Control system with improved robustness to disturbances. 4,821,168, 4-11-89, Cl. 364-183.000.
Gotou, Makoto; and Matsubayashi, Shigeaki, to Matsushita Electric Industrial Co., Ltd. Control system with improved robustness to disturbances. 4,878,165, 10-31-89, Cl. 364-158.000.
Gotou, Masakazu: *See—*
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Gotou, Sadaaki: *See—*
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Gotou, Shizuo; Kanada, Yasusi; and Iwasawa, Kyoko, to Hitachi, Ltd. Method for converting a source program having a loop including a control statement into an object program. 4,807,126, 2-21-89, Cl. 364-300.000.
Gotou, Shizuo; Kagimasa, Toyohiko; and Yoshizumi, Seiichi, to Hitachi, Ltd. Data processor having multilevel address translation tables. 4,876,646, 10-24-89, Cl. 364-200.000.
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Gotou, Toyokichi; and Fujishiro, Masami, to Newlong Machine Works, Ltd.; and New Pack Company, Ltd. Bag. 4,850,718, 7-25-89, Cl. 383-20.000.
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Gotou, Yutaka; and Matsubara, Kiyotaka, to NEC Corporation. Mode selection circuit. 4,847,616, 7-11-89, Cl. 340-825.000.
Gott, F. Kenneth, Jr.; Rickard, John T.; and Connelly, Stephen F., to Orincon Corporation. Periodontal probe system. 4,823,809, 4-25-89, Cl. 128-776.000.
Gott, Granville, to Imperial Chemical Industries plc. Fineness gauge. 4,850,112, 7-25-89, Cl. 33-501.000.
Gottardi, Waldemar, to Euroceltique, S.A. Pharmaceutical iodophor preparations with controlled iodine:iodide ratio and method of producing the same. 4,849,215, 7-18-89, Cl. 424-80.000.
Gottemoller, Paul, to General Motors Corporation. Centrifugal compressor with aerodynamically variable geometry diffuser. 4,815,935, 3-28-89, Cl. 415-211.000.
Gottesman, James E. Barrier shield method and apparatus for optical-medical devices. 4,834,068, 5-30-89, Cl. 128-4.000.
Gottesman, Jeffrey L.; Dempsky, Mark A.; Koch, Donald E.; and Rattan, Dev R., to Rockwell International Corporation. Channel redundancy in a digital loop carrier system. 4,878,048, 10-31-89, Cl. 340-825.010.
Gottfried Amann & Sohn Ges.m.b.H. & Co.: *See—*
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Gotti, Mary B.: *See—*
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Gottlieb, A. Arthur, to Imreg, Inc. Therapeutic method for treating malignancies. 4,874,608, 10-17-89, Cl. 424-85.100.
Gottlieb, A. Arthur, to Imreg, Inc. Determination of suppressor functional reserve. 4,876,193, 10-24-89, Cl. 435-29.000.
Gottlieb, Alfred; and Wirtes, Joseph B., to Continental/Midland, Inc. Hammer-activated, powder-actuated drive tool. 4,830,252, 5-16-89, Cl. 227-8.000.
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Gottlieb Guhring KG: *See—*
Reinauer, Josef, 4,813,831, Cl. 409-232.000.
Reinauer, Josef, 4,844,671, Cl. 409-233.000.
Reinauer, Josef, 4,856,944, Cl. 408-59.000.
Gottlieb, Mark, to Design Tech International, Inc. Combination backup light and sound emitting device for automotive vehicle. 4,851,813, 7-25-89, Cl. 340-474.000.
Gottlieb, Milton; and Melamed, Nathan T., to Westinghouse Electric Corp. Method and apparatus for improving the angular aperture of an aodlf. 4,886,346, 12-12-89, Cl. 350-358.000.
Gottlieb Roll GmbH & Co.: *See—*
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Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., 4,801,470, Cl. 426-578.000.
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Neinhaus, Jurgen; Hopp, Rudolf; Gottsch, Wilhelm; and Oelkers, Egon, 4,853,368, Cl. 512-25.000.
Gottschalk, Peter; and Schuster, Gary B., to Mead Corporation, The. Photohardenable compositions containing a dye borate complex and photosensitive materials employing the same. 4,800,149, 1-24-89, Cl. 430-138.000.

Gottschalk, Peter; Neckers, Douglas C.; and Schuster, Gary B., to Mead Corporation, The. Photosensitive materials containing ionic dye compounds as initiators. 4,842,980, 6-27-89, Cl. 430-138.000.
Gottschalk, Peter; and Schuster, Gary B., to Mead Corporation, The. Photohardenable compositions containing a dye-borate complex and photosensitive materials employing the same. 4,865,942, 9-12-89, Cl. 430-138.000.
Gottschalk, Peter, to Mead Corporation, The. Laminating transparent or translucent materials using ionic dye-counter ion complexes. 4,874,450, 10-17-89, Cl. 156-275.500.
Gottschamel, Georg: *See—*
Janz, Peter; and Gottschamel, Georg, 4,799,938, Cl. 51-293.000.
Gottschild, Wilfried. Soldering iron tip. 4,795,076, 1-3-89, Cl. 228-54.000.
Gottschlich, Chad F.: *See—*
Seemann, Howard; and Gottschlich, Chad F., 4,874,310, Cl. 431-8.000.
Gottschlich, Manfred: *See—*
Wehking, Hans; and Gottschlich, Manfred, 4,842,429, Cl. 400-157.200.
Gottschlich, Rudolf; Bottcher, Henning; Hausberg, Hans-Heinrich; Minck, Klaus-Otto; and Seyfried, Christoph, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Indole containing, 2-thienyl-1,2,3,6-tetrahydropyridyls and their pharmaceutical use. 4,870,087, 9-26-89, Cl. 514-336.000.
Gottschling, Reinhard, to Migua Hammerschmidt GmbH. Joint bridging device. 4,885,885, 12-12-89, Cl. 52-396.000.
Gottsegen, Agnes: *See—*
Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.
Gottshall, R. Marc, to Boeing Company, The. Object positioning apparatus and method. 4,879,644, 11-7-89, Cl. 364-167.010.
Gottwald, Alfons; and Ens, Hermann, to Rohde & Schwarz GmbH & Co. KG. Network for cascade compensation of the non-linearity of an amplifier. 4,870,371, 9-26-89, Cl. 330-149.000.
Gottwald, Eberhard F.; and Machoczek, Horst M., to Smith Kline Dauelsberg GmbH. Pharmaceutical compositions. 4,861,592, 8-29-89, Cl. 424-687.000.
Gotz, Johann: *See—*
Stuvecke, Claus-Peter; and Gotz, Johann, 4,854,250, Cl. 112-80.160.
Gotz, Lasar, to Lam-Wood Products Inc. Space efficient cabinet for housing a computer work station. 4,861,121, 8-29-89, Cl. 312-208.000.
Gotz, Rainer; Pfeiffer, Gerhard; Knodel, Paul; Scheid, Willi; and Clusserath, Ludwig, to Seitz Enzinger Noll Maschinenbau Aktiengesellschaft. Foaming apparatus for driving out residual air from containers filled with a foamable liquid. 4,827,988, 5-9-89, Cl. 141-167.000.
Gotz, Udo; Hoffmann, Dietrich; Fleig, Anita; and Armbruster, Adolf, to Mauser-Werke Oberndorf GmbH. Fin-stabilized projectile. 4,833,995, 5-30-89, Cl. 102-521.000.
Gotzke, Wolfgang: *See—*
Reim, Ingeborg; Pohl, Gerhard; Gotzke, Wolfgang; Wahnberger, Dieter; Postel, Lothar; Kindlein, Irmgard; Vatter, Rudolf; and Greschke, Manfred, 4,794,678, Cl. 28-107.000.
Gou, Hiroshi: *See—*
Zushi, Shizuo; Miyamoto, Mitsuo; Gou, Hiroshi; Kobayashi, Fumiyuki; and Ogata, Tetsuo, 4,837,663, Cl. 361-384.000.
Gou, Perng-Fei; and Wade, Gentry E., to General Electric Company. Passive cooling system for nuclear reactor containment structure. 4,889,682, 12-26-89, Cl. 376-283.000.
Gouallec, Jean-Pierre: *See—*
Anfosso, Roger; Borg, Evrard; Doute, Jean-Rene; Zwiller, Charles; and Gouallec, Jean-Pierre, 4,832,265, Cl. 239-271.000.
Goubeaux, Carl E.; and Flory, Donald M., to General Motors Corporation. High pressure tube attachment mechanism. 4,799,715, 1-24-89, Cl. 285-215.000.
Goubeaux, Eugene F., Jr.: *See—*
Vicars, Paul D.; Hendricks, Roy J.; and Goubeaux, Eugene F., Jr., 4,798,556, Cl. 446-391.000.
Goubert, Jean C., to Videocolor. Device for the automatic centering of cathodes in eyelets for cathode tube electron gun. 4,813,901, 3-21-89, Cl. 445-67.000.
Gouch Holdings (Engineering) Limited: *See—*
Gough, George T., 4,825,998, Cl. 198-706.000.
Goud, Richard B.: *See—*
Mathewes, James K., Jr.; Hermam, Jan S.; Johnson, Stephen C.; Goud, Richard B.; and Stiffler, Jack J., 4,841,434, Cl. 364-200.000.
Gouda, Masanori: *See—*
Namiki, Masayuki; Gouda, Masanori; and Kamiya, Masaaki, 4,875,011, Cl. 324-251.000.
Gouda, Yoshimasa: *See—*
Kamoto, Hidetoshi; Yamanouchi, Hiroshi; Takahashi, Shogo; Takamiya, Toru; and Gouda, Yoshimasa, 4,805,054, Cl. 360-97.010.
Goudard, Jean-Francois: *See—*
Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.
Goudeau, Jacques: *See—*
Fitoussi, Jean Guy; Goudeau, Jacques; and Cornebois, Michel, 4,869,743, Cl. 65-3.110.
Goudeau, James L. System for retrieving sandblasted cuttings. 4,852,307, 8-1-89, Cl. 51-319.000.
Goudet nee Ducellier, Monique: *See—*
Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.
Goudie, Alexander C.; and Walshe, Nigel D. A., to Pfizer Inc. Polycyclic ether antibiotic. 4,804,680, 2-14-89, Cl. 514-460.000.
Goudie, Kathleen M., to Texas Instruments Incorporated. constructed syllable pitch patterns from phonological linguistic unit string data. 4,797,930. 1-10-89, Cl. 381-52.000.
Goudie, Kathleen M.: *See—*
Lin, Kun-Shan; and Goudie, Kathleen M., 4,799,261, Cl. 381-36.000.
Goudon, Jean-Claude: *See—*
Mandle, Jacques; and Goudon, Jean-Claude, 4,829,441, Cl. 364-434.000.
Goudreau, Roger; and Jobin, Jean-Jacques, to Pratt & Whitney Canada Inc. Planetary gear system for a gas turbine engine. 4,856,377, 8-15-89, Cl. 74-768.000.
Goudy, Paul R., Jr., to Autotrol Corporation. Laser disinfection of fluids. 4,816,145, 3-28-89, Cl. 210-96.100.
Goudy, Paul R., Jr., to Photo Redux Corp. Radiation-emitting devices. 4,835,444, 5-30-89, Cl. 313-634.000.
Goudy, Paul R., Jr., to Photo Redux Corp. Radiation-emitting devices. 4,853,581, 8-1-89, Cl. 313-15.000.
Goudy, Paul R., Jr.; Mooers, Douglas F.; Mundt, Bruce C.; and Jenkins, Thomas E., to Mooers Products, Inc. Diffuser apparatus. 4,869,852, 9-26-89, Cl. 261-122.000.
Goudy, Paul R., Jr., to Photo Redux Corp. Radiation-emitting devices. 4,879,489, 11-7-89, Cl. 313-15.000.
Gougeon, Michel: *See—*
Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Gougeon, Michel; and Tailhades, Philippe, 4,808,327, Cl. 252-62.560.
Gough, Brian: *See—*
Woodhall, Michael B.; Gough, Brian; and Wilcox, Russell G., 4,887,330, Cl. 15-322.000.
Gough, George T., to Gough Holdings (Engineering) Limited. Heavy duty conveyor bucket with auxiliary support means. 4,817,782, 4-4-89, Cl. 198-710.000.
Gough, George T., to Gouch Holdings (Engineering) Limited. Apparatus for emptying a conveyor bucket. 4,825,998, 5-2-89, Cl. 198-706.000.
Gough, George T., to REFAC International, Limited. Chain and chain track for rotating conveyor bucket. 4,838,410, 6-13-89, Cl. 198-706.000.
Gough Holdings (Engineering) Limited: *See—*
Gough, George T., 4,817,782, Cl. 198-710.000.
Gough, Martin, to Crosfield Electronics Limited. Method and apparatus for monitoring the passage of marks on a web. 4,857,745, 8-15-89, Cl. 250-548.000.
Gough, Richard J., to Baj Limited. Dual gas pressure vessel. 4,846,363, 7-11-89, Cl. 220-3.000.
Gough, Roger M. Fishing rod. 4,878,309, 11-7-89, Cl. 43-18.100.
Gough, Stanley T. D., to May & Baker Ltd. S,S-Di(tert-butyl) ethylphosphonodithioate as pesticides. 4,810,698, 3-7-89, Cl. 514-141.000.
Gough, Terrance E. Supersonic nozzle for use in an infrared spectrometer. 4,861,999, 8-29-89, Cl. 250-339.000.
Gougouyan, Yves: *See—*
Hernandez, Michel; Herve, Patrice; and Gougouyan, Yves, 4,887,793, Cl. 251-208.000.
Gouhier, Dany, to Societe Anonyme: Societe Europeene de Propulsion. Valve operating without friction. 4,852,605, 8-1-89, Cl. 137-493.000.
Goul, Ashley S. Fast clamp. 4,874,155, 10-17-89, Cl. 269-6.000.
Goulait, David J. K.: *See—*
Ball, W. Kenneth; Goulait, David J. K.; and Zorb, James E., 4,854,984, Cl. 156-73.500.
Gould, Arnold S.: *See—*
Sacks, Barry A.; Gould, Arnold S.; Manzo, Michael P.; and Ciannella, Michael A., 4,826,481, Cl. 604-54.000.
Gould, Caryl: *See—*
Jones, Thomas R.; and Gould, Caryl, 4,826,789, Cl. 501-8.000.
Jones, Thomas R.; and Gould, Caryl, 4,826,790, Cl. 501-80.000.
Gould, Charles M., to Shasta Industries, Inc. Multi-port distribution valve with gear driven rotary distribution cylinders. 4,817,656, 4-4-89, Cl. 137-2.000.
Gould, Colin A., to British Telecommunications Public Limited Company. Telecommunications cable containing optical fibers. 4,805,981, 2-21-89, Cl. 350-96.230.
Gould Electronics Limited: *See—*
Tucker, Brian D., 4,837,561, Cl. 340-722.000.
Gould, Francis E.; Morgan, Ellen K.; and Reduker, Stephen D., to Tyndale Plains-Hunter Ltd. Hydrophilic polyurethane composition. 4,798,876, 1-17-89, Cl. 525-457.000.
Gould, Francis E.; Kliment, Charles K.; and Seems, George E., to Tyndale Plains-Hunter Ltd. Articles having low friction surfaces and production thereof. 4,810,543, 3-7-89, Cl. 428-35.700.
Gould, Francis E.; Morgan, Ellen K.; and Reduker, Stephen D., to Tyndale Plains-Hunter Ltd. Hydrophilic polyurethane composition. 4,810,582, 3-7-89, Cl. 428-423.100.
Gould & Goodrich Leather, Inc.: *See—*
Perry, Wilbert O., 4,846,384, Cl. 224-244.000.
Gould, Gordon E.; and Luecke, Robert A., to Dow Chemical Company, The. Extrusion apparatus and process for production of multilayer film containing an inner barrier layer. 4,842,791, 6-27-89, Cl. 264-171.000.

- Gould, Gordon E.: *See—*
  - Luecke, Robert A.; Gould, Gordon E.; and Curtin, Paul M., 4,804,510, Cl. 264-169.000.
- Gould, Gregory. Method and apparatus for auditing means used for measuring characteristics of a bulk material. 4,882,927, 11-28-89, Cl. 73-1.00R.
- Gould Inc.: *See—*
  - Holmes, Richard E.; and Mays, Joe A., 4,803,464, Cl. 340-732.000.
  - Lach, Lawrence E.; and Ohoka, Mikiharu, 4,877,976, Cl. 307-450.000.
  - Lawson, Christopher M.; Tekippe, Vincent J.; and Kopera, Paul, 4,834,481, Cl. 350-96.150.
  - Linehan, Francis P., 4,809,081, Cl. 358-260.000.
  - Moore, Douglas; and Marcus, Mark E., 4,798,438, Cl. 350-96.150.
  - Murray, Richard C., Jr.; and Goorsky, Mark S., 4,801,655, Cl. 525-329.400.
  - Sallo, Jerome S., 4,863,808, Cl. 428-601.000.
  - Seiger, Harvey N., 4,851,310, Cl. 429-219.000.
  - Tekippe, Vincent J., 4,799,751, Cl. 350-96.150.
- Gould, Jack U.: *See—*
  - Halpern, Gregory; and Gould, Jack U., 4,810,586, Cl. 428-476.600.
- Gould, John H., to United States of America, Health and Human Services. Quick color test to detect lead release from glazed ceramic and enameled metal ware. 4,873,197, 10-10-89, Cl. 436-77.000.
- Gould, John M., to United States of America, Agriculture. Alkaline peroxide treatment of agricultural byproducts. 4,806,475, 2-21-89, Cl. 435-165.000.
- Gould, Kenneth J., to Fisons plc. Compound and treatment of obstructive airways disease therewith. 4,847,277, 7-11-89, Cl. 514-382.000.
- Gould, Martin; and Vulimiri, Sudhakar, to Ampor, Inc. Composition for stabilization of diagnostic reagents. 4,859,604, 8-22-89, Cl. 436-15.000.
- Gould, Richard J.: *See—*
  - Gould, William E.; Gould, Richard J.; and Gould, Steven P., 4,823,912, Cl. 182-214.000.
- Gould, Russell J., to Minigrip, Inc. Method and apparatus for making extruded separable fastener with reactivatable adhesive. 4,835,835, 6-6-89, Cl. 29-527.200.
- Gould, Steven A.: *See—*
  - Sehgal, Lakshman R.; De Woskin, Richard E.; Moss, Gerald S.; Gould, Steven A.; Rosen, Arthur L.; and Sehgal, Hansa, 4,826,811, Cl. 514-6.000.
- Gould, Steven P.: *See—*
  - Gould, William E.; Gould, Richard J.; and Gould, Steven P., 4,823,912, Cl. 182-214.000.
- Gould, William E.; Gould, Richard J.; and Gould, Steven P. Multipurpose ladder fixture. 4,823,912, 4-25-89, Cl. 182-214.000.
- Gouldbourn, George A.: *See—*
  - Walton, Ballard E.; Gouldbourn, George A.; and Banner, Alvin C., 4,830,297, Cl. 242-7.05B.
- Gouldey, Glenn C., to Eaton Corporation. Temperature controller. 4,824,013, 4-25-89, Cl. 236-78.00R.
- Gouldey, Glenn C., to Eaton Corporation. Thermostatic controller for waterbed heater. 4,864,270, 9-5-89, Cl. 337-321.000.
- Gouldsberry, Gary R.; and Fitzpatrick, Mark E., to Gazelle Microcircuits, Inc. Apparatus for measuring circuit parameters of a packaged semiconductor device. 4,853,628, 8-1-89, Cl. 324-158.00R.
- Gouldsberry, Gary R.: *See—*
  - Fitzpatrick, Mark E.; and Gouldsberry, Gary R., 4,868,416, Cl. 307-296.800.
  - Fitzpatrick, Mark E.; Chan, Yat-Sum; and Gouldsberry, Gary R., 4,868,427, Cl. 307-475.000.
  - Fitzpatrick, Mark E.; Gouldsberry, Gary R.; Chan, Yat-Sum; and Pang, Richard F., 4,871,931, Cl. 307-491.000.
- Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased (by Ritter, Faye E., executrix); Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., to GTE Products Corporation. Electrical connector. 4,802,859, 2-7-89, Cl. 439-74.000.
- Gouldy, Thomas E., to GTE Products Corporation. Electrical component and method of mounting same. 4,872,937, 10-10-89, Cl. 156-313.000.
- Goulet, Benoit. Template for driver's dailey log book. 4,854,048, 8-8-89, Cl. 33-443.000.
- Goulet, Michel. Theft protection cable and circuit including said cable. 4,812,670, 3-14-89, Cl. 307-10.200.
- Goulet, Roger; Cutri, Joseph; and DeYulio, Joseph, to Cambridge Filter Corporation. HEPA air filter for high temperature environments and method of fabrication. 4,885,015, 12-5-89, Cl. 55-497.000.
- Goulette, Richard R.; Xavier, Stanilus K.; and Greenfield, Raymond L. Method and apparatus for monitoring electromagnetic emission levels. 4,829,238, 5-9-89, Cl. 324-95.000.
- Goulette, Stephen L., to Mobil Oil Corporation. Roll unwind butt splicer. 4,880,178, 11-14-89, Cl. 242-58.100.
- Goulois, Eric: *See—*
  - Wursch, Pierre; Musso, Francois; and Goulois, Eric, 4,853,248, Cl. 426-634.000.
- Goulter, Victor H. Ergonomic cane having oval, tapered short handle and triangular shank for easier control with more comfortable grip. 4,796,648, 1-10-89, Cl. 138-65.000.
- Goulter, Victor H. Folding workbench with side platform. 4,864,941, 9-12-89, Cl. 108-132.000.
- Goulter, Victor H. Coil for storing used plasatic grocery bags. 4,886,173, 12-12-89, Cl. 211-89.000.
- Goumy, Daniel: *See—*
  - Virey, Franck; and Goumy, Daniel, 4,812,156, Cl. 65-83.000.
- Gourd, James T., to Ford Motor Company. Threaded fastener with resilient linking means. 4,854,797, 8-8-89, Cl. 411-383.000.
- Gourdine, Meredith, to Energy Innovations, Inc. Method and apparatus for producing multivortex fluid flow. 4,850,537, 7-25-89, Cl. 239-400.000.
- Gourlain, Philippe; Lenormand, Regis; and Morin, Dominique, to Alcatel Espace. Three-access polarization and frequency duplexing device. 4,837,531, 6-6-89, Cl. 333-135.000.
- Gourlia, Jean P.; and Thiebaut, Marie-Florence, to Societe Nationale Elf Aquitaine. Distillation column with helical liquid flow and dissymmetric spacing of the trays. 4,826,574, 5-2-89, Cl. 202-158.000.
- Gourmel, Yves: *See—*
  - Bak, Claude; Bellocci, Rio; Gourmel, Yves; and Pierrel, Michel, 4,800,949, Cl. 164-460.000.
- Gourrier, Serge: *See—*
  - Collet, Andre; Gourrier, Serge; and Maurin, Olivier, 4,816,377, Cl. 430-296.000.
- Gourronc, Eugene, to Simon, Jean. Underwater painting machine comprising a paint application device with pulsatory movement associated with a rotary smoothing device. 4,879,966, 11-14-89, Cl. 118-207.000.
- Gourse, Stanley; Rozmaryn, Jacob; and Kershner, Dennis L., to Litton Systems, Inc. Digital error detector for IFM receiver. 4,810,947, 3-7-89, Cl. 324-77.00R.
- Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, to BASF Aktiengesellschaft. Nitrite- and phosphate-free glycol-based coolant mixtures. 4,810,404, 3-7-89, Cl. 252-75.000.
- Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, to BASF Aktiengesellschaft. Preparation of alkoxysilanes containing a low level of chlorine compounds. 4,827,008, 5-2-89, Cl. 556-466.000.
- Gousetis, Charalampos: *See—*
  - Vogel, Hans-Henning; Rath, Hans P.; Oppenlaender, Knut; and Gousetis, Charalampos, 4,844,714, Cl. 44-63.000.
- Gousset, Alain, to La Telemecanique Electrique. Frequency converter for the stabilized power supply of asynchronous motors. 4,823,065, 4-18-89, Cl. 318-798.000.
- Gouterman, Martin P.: *See—*
  - Khalil, Gamal-Eddin; Gouterman, Martin P.; and Green, Edmond, 4,810,655, Cl. 436-138.000.
- Goutille, Maurice, to Weidmann & Pittet S.A. Large disposable convertible packing case. 4,836,395, 6-6-89, Cl. 220-1.500.
- Gouttebessis, Jacques: *See—*
  - Bocquet, Jean-Louis; Gouttebessis, Jacques; and Rey, Maurice, 4,857,128, Cl. 156-244.120.
- Gouvenot, Daniel: *See—*
  - Aris, Raphael; Couprie, Pierre; and Gouvenot, Daniel, 4,834,579, Cl. 405-109.000.
- Gouvernement Monegasque, Le Service des Travaus: *See—*
  - Bouchet, Rene; and Manzone, Jean M., 4,850,742, Cl. 405-26.000.
- Gouy, Pierre-Antoine: *See—*
  - Devos, Francis; and Gouy, Pierre-Antoine, 4,846,139, Cl. 127-40.000.
  - Devos, Francis; and Gouy, Pierre-Antoine, 4,849,023, Cl. 127-40.000.
- Gouyette, Catherine: *See—*
  - Huynh Dinh, Tam; Gouyette, Catherine; and Igolen, Jean, 4,845,205, Cl. 536-28.000.
- Govaert, Johan A.; and Town, Joseph E., to Scinticor Incorporated. Radioactivity detection system. 4,831,262, 5-16-89, Cl. 250-363.010.
- Govan, Donald T. Line cutter for outboard, inboard/outboard, and trolling motors. 4,801,281, 1-31-89, Cl. 440-73.000.
- Govan, Donald T. Apparatus for reducing exhaust gas pressure in outboard and inboard/outboard motors. 4,834,683, 5-30-89, Cl. 440-89.000.
- Govang, James A.; and Goldstein, Mark E., to Stanley Works, The. Display package module for promotional display use. 4,877,137, 10-31-89, Cl. 206-597.000.
- Gove, Robert J.: *See—*
  - Younse, Jack M.; and Gove, Robert J., 4,805,023, Cl. 358-213.170.
- Govekar, Craig F.: *See—*
  - Putrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,800,378, Cl. 340-722.000.
  - Putrow, Michael C.; and Govekar, Craig F., 4,849,744, Cl. 340-721.000.
  - Putrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,851,833, Cl. 340-722.000.
  - Sniegowski, John C.; Govekar, Craig F.; Thibedeau, Dennis G.; and Geisler, Ron D., 4,847,563, Cl. 324-402.000.
  - Wisneski, Leonard J., Jr.; Govekar, Craig F.; Lindhard, Gordon; and Quinn, Robert O., 4,804,921, Cl. 324-394.000.
- Gover, David J.; and Hawes, Adrian J., to International Business Machines Corporation. Raster-scanned cathode ray tube display with cross-hair cursor. 4,833,462, 5-23-89, Cl. 340-709.000.
- Governor and Company of the Bank of England, The: *See—*
  - Buckett, David R., 4,825,761, Cl. 101-77.000.
- Governor of Gunma-ken: *See—*
  - Kawano, Ikuo; Takiguchi, Tsuyoshi; Kimura, Norihisa; Yanagisawa, Yohei; Ashimi, Tokuji; and Yoshino, Hiroyuki, 4,876,103, Cl. 426-574.000.
- Govoni, SpA: *See—*
  - Carlo, Gulmini, 4,884,386, Cl. 53-438.000.
- Gowan, John W., Jr., to Westvaco Corporation. Non-alum sizing. 4,878,999, 11-7-89, Cl. 162-164.600.

- Goward, George W.: *See—*
  - Shankar, Srinivasan; and Goward, George W., 4,837,389, Cl. 428-668.000.
- Gowda, Hanumaiah L.: *See—*
  - Raj, Kuldip; Gowda, Hanumaiah L.; and Moskowitz, Ronald, 4,797,013, Cl. 384-462.000.
- Gowdy, Wilford B., Jr. Combination safety glasses. 4,796,986, 1-10-89, Cl. 351-57.000.
- Gowin, Robert: *See—*
  - McIntosh, George C.; and Gowin, Robert, 4,884,245, Cl. 366-279.000.
- Goyal, Ambuj: *See—*
  - Kumar, Manoj; Goyal, Ambuj; and Rathi, Bharat D., 4,813,044, Cl. 371-55.000.
- Goyal, Praduemn K.: *See—*
  - Albal, Nandakishore A.; and Goyal, Praduemn K., 4,821,265, Cl. 370-110.100.
- Goyal, Raj K.: *See—*
  - Schulman, Jerome M.; and Goyal, Raj K., 4,871,758, Cl. 514-397.000.
- Goyal, Shri K., to Amoco Corporation. System for continuously and catalytically removing arsenic from shale oil and regenerating the catalyst. 4,824,526, 4-25-89, Cl. 202-82.000.
- Goyal, Shri K.; and Faagau, Gary S., to Amoco Corporation. Coking process with decant oil addition to reduce coke yield. 4,832,823, 5-23-89, Cl. 208-131.000.
- Goyanes, Angel G. Link type cartridge speed loading device. 4,862,622, 9-5-89, Cl. 42-89.000.
- Goyert, Wilhelm: *See—*
  - Franke, Joachim; Goyert, Wilhelm; and Kipphardt, Helmut, 4,889,908, Cl. 521-115.000.
- Goymann, Volkmar; and Anapliotis, Emmanuel. Two-part socket for hip-joint prosthesis. 4,795,470, 1-3-89, Cl. 623-22.000.
- Goyo Paper Working Co. Ltd.: *See—*
  - Ohara, Shuzo; and Kawahara, Hiroshi, 4,855,280, Cl. 503-214.000.
- Gozdowiak, Gregory J. Multiple dial meter reading development apparatus and method. 4,838,796, 6-13-89, Cl. 434-224.000.
- Gozdz, Antoni S.: *See—*
  - Baker, Gregory L.; Bowden, Murrae J. S.; Gozdz, Antoni S.; and Klausner, Cynthia F., 4,863,834, Cl. 430-286.000.
- Gozzo, Franco: *See—*
  - Menconi, Augusto; Camaggi, Giovanni; Gozzo, Franco; Mirenna, Luigi; and Garavaglia, Carlo, 4,874,786, Cl. 514-528.000.
  - Palla, Ottorino; Camaggi, Giovanni; Gozzo, Franco; Menconi, Augusto; and Signorini, Ernesto, 4,810,281, Cl. 71-90.000.
- GPAC, Inc.: *See—*
  - Natale, Anthony; Newman, Eugene E.; and Natale, Thomas, 4,818,970, Cl. 340-539.000.
  - Natale, Anthony; and Natale, Thomas, 4,884,374, Cl. 51-391.000.
  - Natale, Thomas, 4,812,700, Cl. 312-1.000.
  - Natale, Thomas, 4,888,846, Cl. 15-236.010.
- GQ Defence Equipment Limited: *See—*
  - Askwith, Andrew P.; and Lingard, John S., 4,811,920, Cl. 244-145.000.
- Graalmann, Onno; Kreibiehl, Guenter; Turznik, Gerhard; and Weber, Heinz, to BASF Aktiengesellschaft. Foam composite and manufacture thereof. 4,885,206, 12-5-89, Cl. 428-316.600.
- Graaskamp, William J.: *See—*
  - Bellanger, Regis; and Graaskamp, William J., 4,817,499, Cl. 91-361.000.
- Graatschus, Monika: *See—*
  - Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Graatschus, Monika, 4,849,077, Cl. 264-182.800.
- Grabbe, Dimitry G.; and Korsunsky, Iosif, to AMP Incorporated. Manufacturing method for integrated circuit chip carriers. 4,810,616, 3-7-89, Cl. 430-269.000.
- Grabbe, Dimitry G.; and Korsunsky, Iosif, to AMP Incorporated. Protective carrier and securing means therefor. 4,832,612, 5-23-89, Cl. 439-71.000.
- Grabbe, Dimitry G.; Granitz, Richard F.; Bakker, Roel J.; Milbrand, Donald W., Jr.; and Masterson, Earl E., to AMP Incorporated. High density coax connector. 4,836,791, 6-6-89, Cl. 439-79.000.
- Grabbe, Dimitry G., to AMP Incorporated. Semiconductor chip carrier system. 4,873,615, 10-10-89, Cl. 361-395.000.
- Grabbe, Dimitry G.; and Korsunsky, Iosif, to AMP Incorporated. Socketing a semiconductor device. 4,880,386, 11-14-89, Cl. 439-68.000.
- Grabbe, Dimitry G.: *See—*
  - Bakermans, Johannes C. W.; and Grabbe, Dimitry G., 4,809,576, Cl. 83-155.000.
  - Bakermans, Johannes C. W.; and Grabbe, Dimitry G., 4,819,476, Cl. 72-456.000.
  - Bakermans, Johannes C. W.; and Grabbe, Dimitry G., 4,884,484, Cl. 83-145.000.
- Grabe, Evelyn A.: *See—*
  - Grabe, Richard J., 4,861,392, Cl. 148-23.000.
- Grabe, Richard J., to Grabe, Evelyn A. Welding aid. 4,861,392, 8-29-89, Cl. 148-23.000.
- Grabe, Werner: *See—*
  - Glang, Siegfried; and Grabe, Werner, 4,824,289, Cl. 405-152.000.
- Grabel, Vernon: *See—*
  - Richardson, Thomas L.; Grabel, Vernon; and Kowalik, Joseph T., 4,855,940, Cl. 364-526.000.
- Grabenbauer, Philip L.: *See—*
  - Walton, Herbert H.; and Grabenbauer, Philip L., 4,813,648, Cl. 251-304.000.
- Grabenkort, Richard W.: *See—*
  - Fong, Conrad T. O.; Grabenkort, Richard W.; and Huntley, Scott P., 4,863,016, Cl. 206-210.000.
- Grabenstein, James B.: *See—*
  - Woodworth, Donald J.; Ziegler, Frank A.; and Grabenstein, James B., 4,876,737, Cl. 455-12.000.
- Graber, David W.; Pawlak, Andrzej M.; and Zuraski, Jeffery A., to General Motors Corporation. Electromagnetic control apparatus for varying the driver steering effort of a hydraulic power steering system. 4,886,138, 12-12-89, Cl. 180-142.000.
- Graber, David W.: *See—*
  - Pawlak, Andrzej M.; Graber, David W.; and Zuraski, Jeffery A., 4,886,137, Cl. 180-142.000.
  - Zuraski, Jeffery A.; Pawlak, Andrzej M.; Graber, David W.; and Babineau, James W., 4,871,040, Cl. 180-142.000.
- Graber, George P.: *See—*
  - Bourland, Joe D.; Babbs, Charles F.; Geddes, Leslie A.; Tacker, Willis A., Jr.; and Graber, George P., 4,827,763, Cl. 73-172.000.
- Graber, Heinz, to KWC AG. Fluid mixing device, in particular hot and cold water mixing device. 4,823,841, 4-25-89, Cl. 137-625.410.
- Graber Industries, Inc.: *See—*
  - Kaucic, Edward M.; and Morris, John E., 4,827,199, Cl. 318-491.000.
  - Morris, John E., 4,830,081, Cl. 160-168.100.
  - Morris, John E.; and Darner, Ronald G., 4,848,434, Cl. 160-168.100.
  - Schneider, Paul A.; and Cole, Joseph P., 4,846,243, Cl. 160-84.100.
  - Terlecke, Mark J.; and Reback, John S., 4,833,756, Cl. 16-87.200.
  - Van Rens, Mark R., 4,821,789, Cl. 160-176.100.
  - Wagner, John S., 4,824,062, Cl. 248-265.000.
- Graber, John W., to Graber Products, Inc. Bicycle support stand. 4,802,594, 2-7-89, Cl. 211-20.000.
- Graber, John W., to Graber Products, Inc. Bumper mounted bicycle carrier. 4,863,080, 9-5-39, Cl. 224-42.03B.
- Graber, John W., to Graber Products, Inc. Vehicle mounted foldable bicycle carrier. 4,875,608, 10-24-89, Cl. 224-42.03B.
- Graber, Joseph V.; and Severson, Ervin L., to Graber Products, Inc. Lockable rotary attachment device. 4,848,112, 7-18-89, Cl. 70-231.000.
- Graber Products, Inc.: *See—*
  - Graber, John W., 4,802,594, Cl. 211-20.000.
  - Graber, John W., 4,863,080, Cl. 224-42.03B.
  - Graber, John W., 4,875,608, Cl. 224-42.03B.
  - Graber, Joseph V.; and Severson, Ervin L., 4,848,112, Cl. 70-231.000.
- Grabham, Brian J.: *See—*
  - Cunliffe, John; and Grabham, Brian J., 4,862,035, Cl. 315-58.000.
- Grabher Indosa-Macschinentou AG: *See—*
  - Grabher, Werner, 4,842,468, Cl. 413-12.000.
- Grabher, Thomas: *See—*
  - Tonshoff, Hans K.; Grabher, Thomas; Gosebruch, Harald; and Jendryschik, Jurgen, 4,799,472, Cl. 125-11.00R.
- Grabher, Werner, to Grabher Indosa-Macschinentou AG. Process for forming a closure diaphragm for a container. 4,842,468, 6-27-89, Cl. 413-12.000.
- Grabhorn, Robert H., to Biodot International, Incorporated. Balloon structure. 4,837,955, 6-13-89, Cl. 40-214.000.
- Grabiak, Raymond C.; Howe, Robert K.; and Yearell-Vinson, Cheryl, to Monsanto Company. 2-(Heteroamino)-4,5-substituted-oxazole/thiazole compounds as herbicide antidotes, compositions and use. 4,818,270, 4-4-89, Cl. 71-88.000.
- Grabiak, Raymond C.; and Riley, Dennis P., to Monsanto Company. Process for treating glyphosate process waste streams. 4,851,131, 7-25-89, Cl. 210-763.000.
- Grabiak, Raymond C.: *See—*
  - Fields, Donald L., Jr.; and Grabiak, Raymond C., 4,889,906, Cl. 558-81.000.
  - Fields, Jr.; Donald L.; Grabiak, Raymond C.; Baysdon, Sherrol L.; and Rogers, Peter E., 4,851,159, Cl. 562-17.000.
- Grabinger, Scott R.: *See—*
  - Stasz, Peter; Solberg, Jeffrey J.; and Grabinger, Scott R., 4,850,353, Cl. 128-303.140.
  - Stasz, Peter; Solberg, Jeffrey J.; and Grabinger, Scott R., 4,862,890, Cl. 128-303.140.
- Grabinsky, Glenn W.: *See—*
  - Marancik, William G.; Hong, Seungok; and Grabinsky, Glenn W., 4,857,675, Cl. 174-15.400.
- Grabis, Dietrich W. Shielding membrane. 4,825,090, 4-25-89, Cl. 250-515.100.
- Grabkowski, Stephen E.: *See—*
  - Schulz, Max W., Jr.; Grabkowski, Stephen E.; and Kliman, Gerald B., 4,808,932, Cl. 324-545.000.
- Grable, Robert G. Retractable porch for mobile homes. 4,874,197, 10-17-89, Cl. 296-162.000.
- Grabley, Susanne: *See—*
  - Hammann, Peter; Grabley, Susanne; Raether, Wolfgang; Ciommer, Bernd; Kluge, Heinz; and Sachse, Burkhard, 4,873,347, Cl. 549-267.000.
  - Hoppe, Hans-Ulrich; Grabley, Susanne; Voelskow, Hartmut; Schlingmann, Merten; Kraemer, Hans P.; Wiesner, Matthias; and Thiem, Joachim, 4,849,409, Cl. 514-27.000.
  - Zeeck, Axel; Breiding-Mack, Sabine; Grabley, Susanne; Voelskow, Hartmut; and Seibert, Gerhard, 4,861,775, Cl. 514-229.800.
  - Zeeck, Axel; Breiding-Mack, Sabine; Grabley, Susanne; Voelskow, Hartmut; and Seibert, Gerhard, 4,861,796, Cl. 514-535.000.

- Grabmaier, Josef: *See—*
  - Falckenberg, Richard; Hoyler, Gerhard; and Grabmaier, Josef, 4,871,517, Cl. 422-248.000.
- Grabner, Werner, to Panocard International Establishment. Folding mailer. 4,865,247, 9-12-89, Cl. 229-92.100.
- Graboff, Roy: *See—*
  - Sable, Chester A.; Maldarelli, Lawrence V.; Church, Henry; and Graboff, Roy, 4,844,414, Cl. 251-319.000.
- Graboski, James J.: *See—*
  - Prince, Carlton C.; and Graboski, James J., 4,811,417, Cl. 383-9.000.
- Grabovac, Bosko; and Kurtovic, Zlatko, to Consolidated Devices Inc. Electronic weighing scales. 4,802,540, 2-7-89, Cl. 177-211.000.
- Grabovac, Bosko, to Consolidated Devices, Inc. Dial torque wrench structure. 4,805,464, 2-21-89, Cl. 73-862.260.
- Grabovac, Bosko; and Kurtovic, Jadranka, to Consolidated Devices Inc. Disposable torque screwdriver tester. 4,852,386, 8-1-89, Cl. 73-1.00C.
- Grabow, Glen M.: *See—*
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- Grabowiecki, Robert J., to G & H Corporation of Connecticut, Inc. Display mailbox with interchangeable inserts. 4,872,610, 10-10-89, Cl. 232-17.000.
- Grabowski, Arno: *See—*
  - Herter, Rolf; Sartran, C. Bernard; and Grabowski, Arno, 4,830,586, Cl. 417-395.000.
- Grabowski, Danuta; and Ross, Ludwig, to Schott Glaswerke. Optical CdO and ThO_2-free glass with refractive indices of 1.73–1.78 abbe numbers of 30–34, and high devitrification stability. 4,824,809, 4-25-89, Cl. 501-75.000.
- Grabowski, David N.: *See—*
  - Lorence, Brian S.; and Grabowski, David N., 4,854,536, Cl. 248-311.200.
- Grabowski, Edward J. J.: *See—*
  - Reider, Paul J.; and Grabowski, Edward J. J., 4,859,771, Cl. 540-509.000.
- Grabowski, Jean, to Hutchinson. Device for sealingly fixing a tube or pipe to an end coupling. 4,824,148, 4-25-89, Cl. 285-110.000.
- Grabowski, Jean, to Hutchinson. By-pass connections obtained by molding a coating of a junction material around a rigid tubular insert more particularly and a process for manufacturing same. 4,848,801, 7-18-89, Cl. 285-21.000.
- Grabs, Jan W. I.: *See—*
  - Anflo, Kjell S.; Grabs, Jan W. I.; and Ivarsson, Roland H., 4,823,133, Cl. 342-199.000.
- Grabstein, Kenneth H.: *See—*
  - Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.300.
- Grace Create Inc.: *See—*
  - Okumura, Toshiaki, 4,887,591, Cl. 128-205.210.
- Grace, Fred I., to United States of America, Army. Controlled explosively formed penetrator. 4,841,864, 6-27-89, Cl. 102-307.000.
- Grace, Garland K., to Morton Thiokol, Inc. Cavity scope. 4,830,491, 5-16-89, Cl. 356-241.000.
- Grace Inc.: *See—*
  - Mills, John B.; Peterson, Vicky J.; Young, Roger W.; Crouch, C. Jeremy; Schulz, Roman A.; Snyder, Irving F.; and DeHemmer, Larry J., 4,867,653, Cl. 417-360.000.
- Grace-Lee Products, Inc.: *See—*
  - Hodge, Robert J., 4,857,113, Cl. 134-32.000.
- Grace, Martin I., to Wiltron Company. Asymmetrical coupling circuit. 4,808,913, 2-28-89, Cl. 324-58.00B.
- Grace, Oscar M.; Smiecinski, Theodore M.; and Wujcik, Steven E., to BASF Corporation. Flame retardant polyurethane foams resistant to cigarette smoldering ignition. 4,826,884, 5-2-89, Cl. 521-128.000.
- Grace, Oscar M.; Levis, William W., Jr.; and Gagnon, Steven D., to BASF Corporation. Flame retardant polyurethane foams. 4,849,459, 7-18-89, Cl. 521-110.000.
- Grace, Oscar M.: *See—*
  - Davis, Pauls; Grace, Oscar M.; and Wujcik, Steven E., 4,810,729, Cl. 521-94.000.
- Grace, Richard; Guzman, Alberto M.; Portnoff, Marc A.; Purta, David A.; Runco, Paul D.; and Tabacchi, John G. Gas sensing instrument. 4;847,783, 7-11-89, Cl. 364-497.000.
- Grace, Richard C.; Cooley, Jack L.; and Cabahug, Eric F., to Environment/One Corporation. Narrow accessway sewage collection tank assembly, remote operated quick connect-disconnect coupling and system using the same. 4,822,213, 4-18-89, Cl. 405-303.000.
- Grace, Ronald R., to Nifty Products, Inc. Subflooring composite. 4,849,269, 7-18-89, Cl. 428-81.000.
- Grace Service Chemicals GmbH: *See—*
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- Grace, W. Kevin: *See—*
  - Salzman, Gary C.; Gregg, Charles T.; Grace, W. Kevin; and Hiebert, Richard D., 4,884,886, Cl. 356-367.000.
- Grach, Ayzik; and Arens, Thomas M., to McNeil (Ohio) Corporation. Expansible chamber motor. 4,846,045, 7-11-89, Cl. 91-306.000.
- Grach, Ayzik, to McNeil (Ohio) Corporation. Expansible chamber motor with snap-acting valve. 4,879,943, 11-14-89, Cl. 91-224.000.
- Grachan, Ronald A. Saw. 4,856,193, 8-15-89, Cl. 30-166.100.
- Gracia, Robert F.: *See—*
  - Fromson, Howard A.; and Gracia, Robert F., 4,865,699, Cl. 204-28.000.
- Graco Inc.: *See—*
  - Boogerman, Allan A.; and Lanerd, Lawrence L., 4,848,951, Cl. 403-24.000.
  - Etchells, Arthur W.; and Donofrio, David J., 4,886,086, Cl. 137-1.000.
  - Hemming, Dale R., 4,890,190, Cl. 361-235.000.
  - Lewis, Richard D.; Korzenowski, James P.; and DeHemmer, Larry J., 4,887,639, Cl. 137-505.410.
  - Peterson, Richard H., 4,884,592, Cl. 137-234.600.
  - Quarve, Vernon; McCormick, Dennis; and Kimber, Robert A., 4,848,164, Cl. 73-861.770.
  - Quarve, Vernon K.; and McCormick, Dennis L., 4,883,199, Cl. 222-14.000.
  - Vork, William D.; and Lewis, Richard D., 4,843,841, Cl. 62-476.000.
- Graco Metal Products, Inc.: *See—*
  - Dillner, James M.; and Saint, Nathanael, 4,811,437, Cl. 5-99.00B.
  - Kohus, Louis M.; Mariol, John V.; and Saint, David, 4,856,809, Cl. 280-644.000.
- Graczoll, Peter; Gumplinger, Franz; Peuke, Helmut; and Riedel, Gerd, to Agfa-Gevaert Aktiengesellschaft. Method of producing an injection moulding tool. 4,801,068, 1-31-89, Cl. 228-174.000.
- Graczyk, James F.; Ludwick, John J.; and Parsons, Edward S., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Quaternary signal regenerator. 4,821,286, 4-11-89, Cl. 375-4.000.
- Gradall Company, The: *See—*
  - Bolitho, Jack A., 4,828,452, Cl. 414-718.000.
  - Meyer, Joseph A.; and Frank, John H., 4,822,237, Cl. 414-708.000.
- Gradco Acquisition Corporation: *See—*
  - Fazio, Dominick; and Braen, Henry P., 4,830,358, Cl. 271-296.000.
- Gradco Systems Inc.: *See—*
  - Lawrence, Frederick; and Cron, George M., 4,843,434, Cl. 355-72.000.
  - Thogersen, Klaus; and Lawrence, Frederick J., 4,842,261, Cl. 271-6.000.
- Graddy, G. Edward, Jr.: *See—*
  - Becker, Aaron J.; Graddy, G. Edward, Jr.; Libby, Stephen C.; Carkin, Gerald E.; and van Linden, Jan H. L., 4,830,881, Cl. 427-230.000.
- Grade, Reinhardt, and Thomas, Brien M., to Ciba-Geigy Corporation. Treatment of water. 4,874,526, 10-17-89, Cl. 210-697.000.
- Gradeff, Peter S.; and Schreiber, Fred G., to Rhone-Poulenc Inc. Anhydrous cerous nitrate-ammonium nitrate complex and a process for its preparation from ceric ammonium nitrate. 4,800,072, 1-24-89, Cl. 423-396.000.
- Gradeff, Peter S.; and Schreiber, Fred G., to Rhone-Poulenc Inc. Ceric alkanolatoamines. 4,801,692, 1-31-89, Cl. 534-15.000.
- Gradeff, Peter S.; and Davison, John F., to Rhone-Poulenc Inc. Rare earth compositions for diesel fuel stabilization. 4,836,830, 6-6-89, Cl. 44-57.000.
- Gradeff, Peter S., to Rhone Poulenc Inc. Method of preserving wood with lanthanide derivatives. 4,842,898, 6-27-89, Cl. 427-297.000.
- Gradeff, Peter S., to Rhone-Poulenc Inc. Antifouling paints containing matrices cross-linked with lanthanides and methods of making and use. 4,881,976, 11-21-89, Cl. 106-15.050.
- Gradeff, Peter S., to Rhone Poulenc, Inc. Method of preserving wood with lanthanide derivatives. 4,883,689, 11-28-89, Cl. 427-297.000.
- Gradeff, Peter S.; and Ramirez, Carlos, to Rhone-Poulenc, Inc. Colloidal alcohol-dispersible association complexes of ceric dioxide and a hydroxyphenyl carboxylic acid. 4,886,624, 12-12-89, Cl. 252-309.000.
- Gradeff, Peter S.; and Davison, John F., to Rhone-Poulenc Inc. Method of preserving wood with lanthanide derivatives. 4,889,771, 12-26-89, Cl. 428-541.000.
- Gradich, Francis X.: *See—*
  - Brown, Stephen D.; Junker, Warren R.; and Gradich, Francis X., 4,876,506, Cl. 324-220.000.
- Gradient "Association regie par la loi de 1901" : *See—*
  - Farges, Gilbert, 4,805,629, Cl. 128-671.000.
- Gradl, Reinhard: *See—*
  - Schimmel, Gunther; Gradl, Reinhard; and Schrodter, Klaus, 4,806,324, Cl. 423-321.00S.
- Gradl, Robert: *See—*
  - Panster, Peter; and Gradl, Robert, 4,845,163, Cl. 525-475.000.
- Grado, Gilbert R., to Rockwell International Corporation. Difar demultiplexer test circuit. 4,868,792, 9-19-89, Cl. 367-13.000.
- Grado, Gilbert R., to Rockwell International Corporation. Difar demultiplexer circuit. 4,879,694, 11-7-89, Cl. 367-3.000.
- Gradowski, Steven: *See—*
  - Hyner, Jacob; and Gradowski, Steven, 4,837,090, Cl. 428-626.000.
- Gradwell, Paul S.: *See—*
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- Grady, John: *See—*
  - Rossi, Remo J.; and Grady, John, 4,829,552, Cl. 378-154.000.
  - Rossi, Remo J.; and Grady, John, 4,875,227, Cl. 378-154.000.
- Grady, John K. Apparatus for powering X-ray tubes. 4,807,268, 2-21-89, Cl. 378-104.000.
- Grady, John K. X-ray tube system. 4,823,371, 4-18-89, Cl. 378-134.000.
- Grady, John K. Articulated X-ray stand arm. 4,879,737, 11-7-89, Cl. 378-196.000.
- Grady, M. Sean: *See—*
  - Howard, Matthew A., III; Ritter, Rogers C.; and Grady, M. Sean, 4,869,247, Cl. 128-303.100.

- Grady, Robert J.: *See—*
  - Ranger, Michael H.; Lim, Esther H.; and Grady, Robert J., 4,841,343, Cl. 355-77.000.
- Graebe, William F., Jr. Immersion control device and associated alarm system. 4,833,457, 5-23-89, Cl. 340-626.000.
- Graebel, Jeffrey P.: *See—*
  - Coddington, John D.; and Graebel, Jeffrey P., 4,835,455, Cl. 323-314.000.
  - Hobbs, James B.; and Graebel, Jeffrey P., 4,885,481, Cl. 307-463.000.
- Graeber, Edward L.; and Lindstrom, Michael J., to Pennwalt Corporation. Process for the preparation of 2,2′-dithiobis (benzothiazole). 4,859,778, 8-22-89, Cl. 548-158.000.
- Graeber, Johannes: *See—*
  - Steffes, Helmut; Ocvirk, Norbert; Buschmann, Gunther; David, Anton; Graeber, Johannes; Determann, Otto; and Batistic, Ivica, 4,824,182, Cl. 303-92.000.
- Graeber, Richard N., to McWilliams Machinery Sales, Division of Bridgeport Machines Inc. Rotary table wire EDM machine. 4,841,126, 6-20-89, Cl. 219-69.200.
- Graebner, Peter; Sie, Swan A.; and Angehrn, Jorg A., to Chevron Research Company. Electrical phase measurement means and method for accurate determination of well logging cable length. 4,803,479, 2-7-89, Cl. 340-860.000.
- Graebner, Peter; Sie, Swan A.; and Angehrn, Jorg A., to Chevron Research Company. Interferometric means and method for accurate determination of fiberoptic well logging cable length. 4,862,424, 8-29-89, Cl. 367-33.000.
- Graef, Harry T.; Newton, Kevin H.; Allison, Timothy B.; and Eastman, Jeffrey M., to Diebold Incorporated. Apparatus for identifying and indicating the content of document canisters. 4,871,085, 10-3-89, Cl. 221-4.000.
- Graef, Harry T.; and Newton, Kevin H., to Diebold Incorporated. Secure transport construction for banking depository devices. 4,884,679, 12-5-89, Cl. 198-718.000.
- Graef, John T.; Jacoby, Elliot G.; and Spira, Joel S., to Lutron Electronics Co., Inc. Two piece face plate for wall box mounted device. 4,835,343, 5-30-89, Cl. 174-66.000.
- Graef, John T., to Lutron Electronics Co., Inc. Twist-off knob. 4,835,816, 6-6-89, Cl. 16-114.00R.
- Graef, Kurt: *See—*
  - Premiski, Vladimir; Hohnel, Rainer; Wehren, Wilhelm; and Graef, Kurt, 4,825,725, Cl. 74-762.000.
- Graef, Peter A., to Weyerhaeuser Company. Hydrophilic cellulose product and method of its manufacture. 4,853,086, 8-1-89, Cl. 162-157.600.
- Graefe, Gernot. Method for producing high-grade fertilizer and useful side products. 4,801,325, 1-31-89, Cl. 71-9.000.
- Graefe, Peter U.; and Kuszaj, Karl T., to American Standard, Inc. Lightweight, durable plumbing fixture fabricated from a delamination-resistant multilayer polymeric composite. 4,844,944, 7-4-89, Cl. 428-357.000.
- Graefe, Peter U.; and Kuszaj, Karl T., to American Standard, Inc. Multilayer polymeric composite and method for its manufacture. 4,844,955, 7-4-89, Cl. 428-420.000.
- Graetz, Nokia: *See—*
  - Kornaker, Walter; and Ruopp, Horst, 4,884,005, Cl. 313-404.000.
- Graf, Albert C. Sealed solder connector assembly and method of use. 4,883,925, 11-28-89, Cl. 174-84.00R.
- Graf, Bernhard. Hand device for varying the pressure of valve-less balls. 4,838,007, 6-13-89, Cl. 53-84.000.
- Graf, Carl P.: *See—*
  - Narendra, Patrenahalli M.; Fant, Karl M.; and Graf, Carl P., 4,855,822, Cl. 358-103.000.
- Graf & Cie Ag: *See—*
  - Graf, Ralph A., 4,854,012, Cl. 19-114.000.
- Graf, Eric: *See—*
  - Welter, Andre; Fischer, Harmut; Christiaens, Leon; Wendel, Albrecht; Etschenberg, Eugen; Dereu, Norbert; Kuhl, Peter; and Graf, Eric, 4,873,350, Cl. 549-436.000.
- Graf, Felix. *See—*
  - Fluck, Jakob; and Graf, Felix, 4,805,845, Cl. 242-18.0EW.
- Graf, Fritz; Engelbach, Heinz; Hupfer, Leopold; Schultheiss, Harald; and Sprague, Michael J., to BASF Aktiengesellschaft. Preparation of carbonyl compounds. 4,814,513, 3-21-89, Cl. 568-471.000.
- Graf, Fritz; Hupfer, Leopold; and Schultheiss, Harald, to BASF Aktiengesellschaft. Preparation of carbonyl compounds. 4,851,584, 7-25-89, Cl. 568-471.000.
- Graf, Gunter; Gross, Heinz; and Sponagel, Stefan, to Carl Freudenberg, Firma. Method for the manufacture of a sealing ring with a sealing lip having hydrodynamically acting return elements. 4,850,097, 7-25-89, Cl. 29-511.000.
- Graf, Gunter; Gross, Heinz; and Sponagel, Stefan, to Carl Freudenberg, Firma. Method for manufacturing a sealing ring. 4,861,536, 8-29-89, Cl. 264-108.000.
- Graf, Hans-Joachim; and Koliwer, Wolfgang, to Klockner Ferromatik Desma GmbH. Apparatus for manufacture of an article of footwear having an outer sole, an inner sole and a lateral sole. 4,854,841, 8-8-89, Cl. 425-119.000.
- Graf, Hans-Juergen; Fletcher, Robert E.; Randtke, Peter T.; Rhine, Bruce E.; and Monkowski, J. R., to Air Products and Chemicals, Inc. Vacuum vapor transport control. 4,842,827, 6-27-89, Cl. 422-112.000.
- Graf, Hans-Juergen, to Air Products and Chemicals, Inc. Method and apparatus for packaging, shipping and using poisonous liquids. 4,886,178, 12-12-89, Cl. 215-247.000.
- Graf, Hans-Juergen: *See—*
  - Lipisko, Bruce A.; Schumacher, John C.; Howard, Richard E.; Randtke, Peter T.; Sandu, Adrian; Fletcher, Robert E.; and Graf, Hans-Juergen, 4,859,375, Cl. 261-20.000.
- Graf, Hans-Ludwig: *See—*
  - Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Loewicke, Gerold; Knofler, Wolfram; and Graf, Hans-Ludwig, 4,832,602, Cl. 433-220.000.
  - Kurze, Peter; Krysmann, Waldemar; Knoefler, Wolfram; and Graf, Hans-Ludwig, 4,846,837, Cl. 623-16.000.
- Graf, Hans P.; and Howard, Richard E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Neural networks. 4,875,183, 10-17-89, Cl. 364-807.000.
- Graf, Herbert. Traffic control device for street vehicles. 4,851,832, 7-25-89, Cl. 340-907.000.
- Graf, Hermann; Franz, Lothar; Sauter, Hubert; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, to BASF Aktiengesellschaft. Substituted 1,8-naphthyridine derivatives and fungicides containing them. 4,801,592, 1-31-89, Cl. 514-300.000.
- Graf, Jean-Francois; Haeslin, Hans W.; Schuurman, Hessel J.; Steiner, Theodor; and Wieland, Bruno, to Ciba-Geigy Corporation. Control of ectoparasites. 4,853,223, 8-1-89, Cl. 424-405.000.
- Graf, Jean-Pierre: *See—*
  - Kipphan, Helmut; Jeschke, Willi; Ott, Hans; and Graf, Jean-Pierre, 4,856,903, Cl. 356-400.000.
- Graf, Joachim: *See—*
  - Bartkowiak, Klaus; Graf, Joachim; Urbahn, Friedrich; and Weber, Klaus, 4,881,694, Cl. 242-43.00R.
- Graf, Lothar: *See—*
  - Fuchs, Karl-Heinz; Graf, Lothar; and Forsbach, Heinz-Peter, 4,817,829, Cl. 222-259.000.
- Graf, Peter E.; Agazzi, Steven J.; and Vanderzanden, Eugene J., to Chevron Research Company. Open-grade asphalt emulsion mixes. 4,822,427, 4-18-89, Cl. 106-502.000.
- Graf, Ralph A., to Graf & Cie Ag. Saw tooth wire of a saw tooth-card clothing for a textile machine producing randomly oriented fibre fleeces. 4,854,012, 8-8-89, Cl. 19-114.000.
- Graf, Raymond J.; and Tucker, Scott D., to Cincinnati Incorporated. Adaptive control system for hydraulic press brake. 4,819,467, 4-11-89, Cl. 72-8.000.
- Graf, Robert: *See—*
  - Annemaier, Dieter; Graf, Robert; and Keipl, Stefan, 4,816,312, Cl. 428-74.000.
- Graf, Rolf, to Metallgesellschaft Aktiengesellschaft. Process of removing pollutants from flue gas. 4,810,478, 3-7-89, Cl. 423-244.000.
- Graf von Zedlitz und Trutzschler, Helmut, to U.S. Philips Corporation. Dictating machine arranged like a telephone handset. 4,843,498, 6-27-89, Cl. 360-93.000.
- Graf, Werner: *See—*
  - Gadke, Herbert; Steinhauer, Peter; Jahn, Franz-Xaver; Schade, Bernd; and Graf, Werner, 4,834,150, Cl. 141-98.000.
  - Merrem, Hans-Joachim; and Graf, Werner, 4,842,901, Cl. 427-387.000.
- Grafcor Packaging Inc.: *See—*
  - Hall, William E., 4,804,136, Cl. 229-112.000.
- Grafe, Andreas: *See—*
  - Hartung, Sigurd, deceased; Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, 4,885,418, Cl. 570-211.000.
- Grafe, Ingomar: *See—*
  - Schickaneder, Helmut; Grafe, Ingomar; and Ahrens, Kurt H., 4,816,455, Cl. 514-254.000.
- Grafe, Robert J.: *See—*
  - Gaither, William D.; Giovannetti, Laura T.; Grafe, Robert J.; Hall, Linda F.; Meyer, Gregory P.; and Pancoast, Steven T., 4,864,516, Cl. 364-518.000.
- Grafe, Udo: *See—*
  - Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.
- Grafelmann, Hans L. Self-taping screw-in bone implant for dental purposes. 4,863,383, 9-5-89, Cl. 433-174.000.
- Grafenstein, Georg: *See—*
  - Rohrbach, Wolfgang; Grafenstein, Georg; Beer, Wilhelm; Kiy, Burghardt; and Monetha, Eugen, 4,865,149, Cl. 180-148.000.
- Graff, Allan H.: *See—*
  - Barcelon, Shirley A.; Hussein, Mamoun M.; Abbazia, Leonard P.; and Graff, Allan H., 4,820,544, Cl. 426-660.000.
  - Zamudio-Tena, Jose F.; and Graff, Allan H., 4,808,418, Cl. 426-5.000.
  - Zamudio-Tena, Jose F.; and Graff, Allan H., 4,828,845, Cl. 426-5.000.
- Graff, Darrell J.: *See—*
  - Ashmead, Harvey H.; Ashmead, H. Dewayne; and Graff, Darrell J., 4,863,898, Cl. 514-6.000.
- Graff, Frederick E. Bag holder. 4,867,401, 9-19-89, Cl. 248-99.000.
- Graff, John M.; Nutter, Harry A., Jr.; and Stoltze, Leon, to United Technologies Corporation. Fabrication of bonded structures. 4,856,162, 8-15-89, Cl. 29-156.80B.
- Graff, Knut: *See—*
  - Gobel, Armin; Graff, Knut; Meier, Hans-Ulrich; and Patzschke, Hans-Peter, 4,880,867, Cl. 524-507.000.

- Graff, Roderich W. Method and an apparatus for drying bulk material, preferably of plastic granules. 4,870,760, 10-3-89, Cl. 34-32.000.
- Graff, William P.: *See—*
  - Watson, John P.; and Graff, William P., 4,799,720, Cl. 292-299.000.
- Grafl, Katalin: *See—*
  - Meschkat, Peter; and Grafl, Katalin, 4,829,562, Cl. 379-235.000.
- Graflind, Ulf: *See—*
  - Asbrink, Leif; and Graflind, Ulf, 4,812,811, Cl. 340-571.000.
- Grafoplast S.p.A.: *See—*
  - Piana, Ivana; and Piana, Silvano, 4,861,280, Cl. 439-491.000.
- Grafotec Kotterer GmbH: *See—*
  - Kotterer, Werner J., 4,887,532, Cl. 101-225.000.
- Grafwallner, Karl L.: *See—*
  - Herold, Wolf-Dietrich; Grafwallner, Karl L.; and Keller, Michael, 4,839,566, Cl. 31-308.000.
- Gragg, Brian D.; Fong, Jon J.; and Wilson, Arthur K., to Hewlett-Packard Company. Conical vent containing capillary bore. 4,806,032, 2-21-89, Cl. 400-194.000.
- Gragnolati, Claude; Thollon, Didier; and Malcor, Jean-Georges, to Thomson-CSF. Geophone with a sensitive element made of piezoelectric polymer. 4,839,872, 6-13-89, Cl. 367-180.000.
- Graham, Alistair C.: *See—*
  - Taylor, Peul; Thorpe, Jane M.; and Graham, Alistair C., 4,834,318, Cl. 244-17.130.
- Graham, Andrew C.; and Fitzpatrick, Mark E., to Gazelle Microcircuits, Inc. TTL compatible output buffer. 4,800,303, 1-24-89, Cl. 307-450.000.
- Graham, Andrew C.; and Fitzpatrick, Mark E., to Gazelle Microcircuits, Inc. Capacitor coupled push pull logic circuit. 4,810,905, 3-7-89, Cl. 307-448.000.
- Graham, Andrew C.; and MacMillan, David C., to Gazelle Microcircuits, Inc. Laser programmable memory array. 4,872,140, 10-3-89, Cl. 365-96.000.
- Graham, Andrew C.: *See—*
  - Fitzpatrick, Mark E.; and Graham, Andrew C., 4,812,683, Cl. 307-448.000.
  - Fitzpatrick, Mark E.; and Graham, Andrew C., 4,849,717, Cl. 331-111.000.
  - MacMillan, David C.; and Graham, Andrew C., 4,844,563, Cl. 307-475.000.
- Graham, Andrew S., Jr. System for interconnecting panels of containers. 4,796,392, 1-10-89, Cl. 52-79.500.
- Graham, Anne M.; and Attig, Thomas G., to Standard Oil Company, The. Preparation of pyrrolidones by catalytic hydrogenation of maleimides. 4,851,546, 7-25-89, Cl. 548-543.000.
- Graham, Anne M.: *See—*
  - Attig, Thomas G.; and Graham, Anne M., 4,827,001, Cl. 549-326.000.
- Graham, Arthur H.; and Keating, Kenneth B., to Du Pont de Nemours, E. I., and Company. Electroplating bath and process for maintaining plated alloy composition stable. 4,846,941, 7-11-89, Cl. 204-44.600.
- Graham, Arthur H.; and Keating, Kenneth B., to Du Pont de Nemours, E. I., and Company. Alloy coatings for electrical contacts. 4,849,303, 7-18-89, Cl. 428-670.000.
- Graham, Brent. Diagnostic overlay. 4,838,664, 6-13-89, Cl. 350-351.000.
- Graham, C. A. Sectional swimming pool construction. 4,858,411, 8-22-89, Cl. 52-601.000.
- Graham, Charles H.; and Matthews, George A., to GLI Industries, Inc. Self-storing tool set. 4,836,066, 6-6-89, Cl. 81-177.400.
- Graham, Cleve A.; and Trenary, John, to Dental Research Corporation. Removable head mechanism for automatic cleaning device. 4,827,550, 5-9-89, Cl. 15-22.00R.
- Graham, Clifford A. A.: *See—*
  - Edwards, Scott; R.; Graham, Clifford A. A.; and Shepherd, Michael T., 4,867,980, Cl. 424-438.000.
- Graham Corporation: *See—*
  - McFarlane, Donald P.; and Athey, Roderick E., 4,830,865, Cl. 426-399.000.
  - McFarlane, Donald P., 4,865,089, Cl. 141-9.000.
- Graham, David, to Cannondale Corporation. Adjustable bottom bracket assembly for bicycles. 4,808,147, 2-28-89, Cl. 474-112.000.
- Graham, David E.: *See—*
  - Chirinos, Maria L.; Graham, David E.; Layrisse, Ignacio; and Stockwell, Alan, 4,806,231, Cl. 208-251.00R.
- Graham, David Y.: *See—*
  - Evans, Dolores G.; Evans, Doyle J.; and Graham, David Y., 4,882,271, Cl. 435-7.000.
- Graham, Dean M., to Capsulbond Incorporated. Method for sealing capsules. 4,820,364, 4-11-89, Cl. 156-69.000.
- Graham, Donald A.; and Edmonds, Thomas E., to Boeing Company. Interventional flight management system. 4,811,230, 3-7-89, Cl. 364-428.000.
- Graham, Donald W.: *See—*
  - Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Graham, Donald W.; Heck, James V.; and Yang, Shu S., 4,806,564, Cl. 514-449.000.
  - Chabala, John C.; Chiang, Yuan-Ching P.; Chang, Michael N.; Girotra, Narindar M.; Graham, Donald W.; and Yang, Shu S., 4,847,271, Cl. 514-336.000.
  - Girotra, Narindar N.; Yang, Shu S.; and Graham, Donald W., 4,816,477, Cl. 514-449.000.
- Graham, Douglas. Gas dispensing projectile. 4,798,143, 1-17-89, Cl. 102-370.000.
- Graham Engineering Corporation: *See—*
  - Briggs, Milton; and Teutsch, Erich O., 4,798,526, Cl. 425-113.000.
  - Briggs, Milton, 4,838,464, Cl. 222-478.000.
  - Johnston, Brian J.; and Klinedinst, Paul W., 4,840,366, Cl. 271-9.000.
  - Klinedinst, Paul W.; and Smeltzer, Thomas, 4,834,643, Cl. 425-537.000.
  - Klinedinst, Paul W.; and Smeltzer, Thomas, 4,886,443, Cl. 425-537.000.
  - Oles, Paul M.; and Shepps, Frederick J., 4,801,260, Cl. 425-527.000.
  - Oles, Paul M.; and Shepps, Frederick J., 4,861,542, Cl. 264-542.000.
- Graham, Everett F.: *See—*
  - Wells, Kelley J.; and Graham, Everett F., 4,884,552, Cl. 126-19.00R.
- Graham Fiber Glass Limited: *See—*
  - Perrella, Guido, 4,840,013, Cl. 53-429.000.
- Graham, Fred G.: *See—*
  - Martin, Edward L.; Graham, Fred G.; and Roman, Benjamin, 4,860,226, Cl. 364-552.000.
- Graham, Gary A. Exercise apparatus adjustable during use. 4,884,802, 12-5-89, Cl. 272-136.000.
- Graham, Gary R., to U.S. Philips Corporation. Self-compensating brushless alternator. 4,887,020, 12-12-89, Cl. 322-63.000.
- Graham, George A., to Polytronics, Inc. Tester system for electrical power circuits terminated at an outlet plug receptacle. 4,857,826, 8-15-89, Cl. 324-508.000.
- Graham, Gregory S. Microsurgery saw drive. 4,827,615, 5-9-89, Cl. 30-166.00R.
- Graham, Gregory S., to United States of America, Army. Process and apparatus for controlling winding angle. 4,838,500, 6-13-89, Cl. 242-158.00R.
- Graham, Harold A.: *See—*
  - Titus, Joseph S.; Wang, Dexter; and Graham, Harold A., 4,859,000, Cl. 374-134.000.
- Graham, Huber: *See—*
  - McQuoid, Bryan K.; Charlson, Earl J.; and Graham, Huber, 4,878,226, Cl. 374-166.000.
- Graham, Ian F., to Unisys Corporation. Replaceable cartridge system for conveyor apparatus. 4,832,328, 5-23-89, Cl. 271-35.000.
- Graham, James F.: *See—*
  - Melvin, William S.; and Graham, James F., 4,854,982, Cl. 149-109.600.
- Graham, James H.: *See—*
  - Michaud, Gerard H.; Graham, James H.; and Stout, Roger P., 4,797,994, Cl. 29-720.000.
  - Michaud, Gerard H.; Graham, James H.; and Stout, Roger P., 4,876,791, Cl. 29-840.000.
- Graham, James M.; and Schaack, Edward F., to Duraflite, Inc. Stairway apparatus and method of manufacture. 4,838,005, 6-13-89, Cl. 52-741.000.
- Graham, John F. Electroluminescent fret grid for stringed instruments. 4,807,509, 2-28-89, Cl. 84-314.00R.
- Graham, John W.; and Sinclair, A. Richard. High strength particulates. 4,888,240, 12-19-89, Cl. 428-403.000.
- Graham, John W.: *See—*
  - Kinney, John W., Jr.; and Graham, John W., 4,839,049, Cl. 210-510.100.
- Graham, Kenneth; Geer, Kenton D.; and Bednarski, Katherine, to Hyde Athletic Industries Inc. Insole construction. 4,879,821, 11-14-89, Cl. 36-44.000.
- Graham, Kenneth W.: *See—*
  - Norton, Edward J.; Fram, Craig F.; Graham, Kenneth W.; and Smith, James A., 4,876,053, Cl. 264-255.000.
- Graham, Larry V. Priority flow control valve. 4,827,972, 5-9-89, Cl. 137-512.000.
- Graham, Lawrence D.: *See—*
  - Horton, Robert A.; Jeyarajan, Arunachalam; and Graham, Lawrence D., 4,862,947, Cl. 164-122.200.
- Graham, Louis A., to Burlington Industries, Inc. Fluid jet applicator apparatus. 4,841,307, 6-20-89, Cl. 346-1.100.
- Graham, Louis A., to Burlington Industries, Inc. Printing random patterns with fluid jets. 4,849,768, 7-18-89, Cl. 346-1.100.
- Graham, Louis A.: *See—*
  - Holder, Joseph P.; Glenn, Michael I.; McConnell, Bobby L.; and Graham, Louis A., 4,797,687, Cl. 346-1.100.
  - Holder, Joseph P.; Glenn, Michael I.; McConnell, Bobby L.; and Graham, Louis A., 4,829,793, Cl. 68-205.00R.
- Graham, Martin H., to And Yet, Inc. Balun. 4,800,344, 1-24-89, Cl. 333-25.000.
- Graham, Martin H., to Rolm Corporation. Bus apparatus with a plurality of transmitters. 4,803,699, 2-7-89, Cl. 375-36.000.
- Graham, Martin H.: *See—*
  - Conroy, Thomas J.; and Graham, Martin H., 4,870,004, Cl. 435-6.000.
- Graham, Max A.: *See—*
  - Wichman, William J.; and Graham, Max A., 4,809,471, Cl. 52-109.000.
- Graham, Melba T.: *See—*
  - McMoore, Clarence J., Jr.; and Graham, Melba T., 4,889,295, Cl. 242-118.300.
- Graham, Neil B.; McNeill, Marion E.; and Wood, David A., to National Research Development Corporation. Controlled release device. 4,814,182, 3-21-89, Cl. 424-484.000.
- Graham, Neil B.; Rashid, Abdul; and Rao, Kontala P., to National Research Development Corporation. Compositions comprising encapsulated particles and their preparation. 4,882,166, 11-21-89, Cl. 424-462.000.

- Graham, Nigel K.: *See—*
  - Brown, John R.; Graham, Nigel K.; and King, Russell A., 4,842,037, Cl. 164-45.000.
- Graham, Patricia K.; and Williams, Robert R., to International Business Machines Corporation. Method and apparatus for testing three state drivers. 4,841,232, 6-20-89, Cl. 324-73.00R.
- Graham, Paul W. L.: *See—*
  - Clark, Robert N.; and Graham, Paul W. L., 4,806,257, Cl. 252-29.000.
  - Clark, Robert N.; and Graham, Paul W. L., 4,822,646, Cl. 427-387.000.
- Graham, Peter B. Isolation cabinet. 4,862,831, 9-5-89, Cl. 119-15.000.
- Graham, Randall C.; and Smith, Jeffrey S., to Essex Group, Inc. Wire prebreak/break detector. 4,797,662, 1-10-89, Cl. 340-677.000.
- Graham, Randall C.; and Smith, James D., Jr., to Essex Group, Inc. Eddy current apparatus and method for controlling a rod mill on the basis of faults detected per unit time. 4,808,926, 2-28-89, Cl. 324-226.000.
- Graham, Randall C.; and Phillips, James L., to Essex Group, Inc. Alarm apparatus. 4,808,971, 2-28-89, Cl. 340-521.000.
- Graham, Randall C.; Smith, James D., Jr.; and Smith, Jeffrey S., to Essex Group, Inc. Wire drawing control apparatus. 4,812,721, 3-14-89, Cl. 318-66.000.
- Graham, Randolph H.; Peterson, Bruce R.; and Blackborow, Richard J., to Plus Development Corporation. Microprocessor controlled rigid disk file subsystem. 4,819,153, 4-4-89, Cl. 362-200.000.
- Graham, Randolph H.; Peterson, Bruce R.; and Blackborow, Richard J., to Plus Development Corporation. Microprocessor controlled rigid disk file subsystem. 4,882,671, 11-21-89, Cl. 364-200.000.
- Graham, Randolph H.: *See—*
  - Harrison, Joel N.; Moon, William G.; and Graham, Randolph H., 4,860,194, Cl. 364-200.000.
- Graham, Richard S.; Yoneda, Yuko; and Young, Frank E., to University of Rochester, The. Recombinant bateriophage for heterologous cloning of bacillus microorganisms and method for its production. 4,886,754, 12-12-89, Cl. 435-172.300.
- Graham, Robert E., Jr.: *See—*
  - Jackson, Kenneth J.; Shah, Jagdish; and Graham, Robert E., Jr., 4,805,875, Cl. 254-2.00R.
- Graham, Robert G.: *See—*
  - Underwood, Gary; and Graham, Robert G., 4,876,108, Cl. 426-650.000.
- Graham, S. Neal; and Terry, Thomas E. Orbital cap selecting and feeding mechanism. 4,884,678, 12-5-89, Cl. 198-392.000.
- Graham, Samuel L.; and Scholz, Thomas H., to Merck & Co., Inc. Intermediates for preparing HMG-CoA reductase inhibitors. 4,795,811, 1-3-89, Cl. 544-6.000.
- Graham, Samuel L.; and Scholz, Thomas H., to Merck & Co., Inc. Alkanesulfonamides as antiglaucoma agents. 4,812,463, 3-14-89, Cl. 514-311.000.
- Graham, Samuel L.; and Scholz, Thomas H., to Merck & Co., Inc. Intermediates for preparing HMG-CoA reductase inhibitors. 4,874,870, 10-17-89, Cl. 548-336.000.
- Graham, Samuel L.: *See—*
  - Baldwin, John J.; Habecker, Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., 4,847,289, Cl. 514-445.000.
  - Shepard, Kenneth L.; and Graham, Samuel L., 4,840,963, Cl. 514-418.000.
- Graham, Thomas G.: *See—*
  - Collins, Thomas J.; and Graham, Thomas G., 4,827,504, Cl. 379-399.000.
- Graham, Wayne B. Accelerometer. 4,807,475, 2-28-89, Cl. 73-492.000.
- Graham, Wayne B. Tape test cassette. 4,863,115, 9-5-89, Cl. 242-199.000.
- Graham, Wesley H.; Axter, Sven E.; and Lin, Fu-Shiong, to Boeing Company, The. Lithium bearing alloys free of Luder lines. 4,889,569, 12-26-89, Cl. 148-130.000.
- Graham, William H.; Bevel, Kenneth E.; Byrd, James D.; Junior, Kenneth E.; and Shepard, Inella G., to Morton Thiokol, Inc. Process for forming a liner and cast propellant charge in a rocket motor casing. 4,803,019, 2-7-89, Cl. 264-3.100.
- Graiff, Leonard B.: *See—*
  - Miles, Richard; and Graiff, Leonard B., 4,846,848, Cl. 44-62.000.
- Graillat, Gerard: *See—*
  - Hue, Jean; Graillat, Gerard; and Gasquet, Denis, 4,850,609, Cl. 280-615.000.
- Grain Processing Corporation: *See—*
  - Harvey, Richard D.; and Klem, Robert E., 4,799,964, Cl. 106-436.000.
  - Kiser, Donald L., 4,868,346, Cl. 568-916.000.
- Grain Systems, Incorporated: *See—*
  - Pollock, Eugene B., 4,885,985, Cl. 98-55.000.
- Grainger, Frederick, to Webcraft Technologies, Inc. Lipstick sampler and method of fabrication. 4,824,143, 4-25-89, Cl. 283-56.000.
- Grainger, Frederick: *See—*
  - Schoenleber, Donald; Grainger, Frederick; and Donahue, Patrick J., 4,801,076, Cl. 229-92.700.
- Graiver, Daniel; Kalinowski, Robert E.; and Dahlbeck, Gary A., to Dow Corning Corporation. Novel polyvinyl alcohol compositions and products prepared therefrom. 4,851,168, 7-25-89, Cl. 264-28.000.
- Graiver, Daniel; and Kalinowski, Robert E., to Dow Corning Corporation. Solid gel dispensers for achieving controlled release of volatile liquid materials and method for preparing same. 4,888,364, 12-19-89, Cl. 521-64.000.
- Graiver, Daniel: *See—*
  - Glover, Shedric O.; and Graiver, Daniel, 4,824,877, Cl. 523-221.000.
  - Glover, Shedric O.; and Graiver, Daniel, 4,824,890, Cl. 524-253.000.
- Grald, Eric W.; and MacArthur, J. Ward, to Honeywell Inc. Method for operating variable speed heat pumps and air conditioners. 4,873,649, 10-10-89, Cl. 364-505.000.
- Grald, Eric W.; and MacArthur, J. Ward, to Gas Research Institute. Temperature and humidity auctioneering control. 4,889,280, 12-26-89, Cl. 236-44.00C.
- Gralenski, Nicholas M.: *See—*
  - Bartholomew, Lawrence D.; Gralenski, Nicholas M.; Richie, Michael A.; and Hersh, Michael L., 4,834,020, Cl. 118-719.000.
- Gralka, Bernhard, to Ford Motor Company. Pressure sensitive shaft sealing ring. 4,844,480, 7-4-89, Cl. 277-70.000.
- Grall, Terrand B., to Consumer Care Products Incorporated. Tablet arm assembly. 4,848,833, 7-18-89, Cl. 297-162.000.
- Gram, Brodrene A/S: *See—*
  - Gram, Klaus, 4,839,185, Cl. 426-512.000.
- Gram, Klaus, to Gram, Brodrene A/S. Method and apparatus for depositing a continuously extruded formation upon a continuously driven conveyor. 4,839,185, 6-13-89, Cl. 426-512.000.
- Gram, Martin M., to MTS Systems Corporation. Preloading clamp. 4,809,556, 3-7-89, Cl. 73-856.000.
- Gram, Martin M.; Johnson, Luther E.; and Larsen, Carl G., to MTS Systems Corporation. Self aligning test grip. 4,843,888, 7-4-89, Cl. 73-856.000.
- Gram, Martin M.; and Bearden, Richard E., to MTS Systems Corporation. Screw-driven actuator for test frame. 4,869,112, 9-26-89, Cl. 73-856.000.
- Gram, Michael; and Austin, James R., to Austin, James. Marker buoy with self retracting line. 4,808,133, 2-28-89, Cl. 441-6.000.
- Gramatte, Winfried: *See—*
  - Kunz, Willfried; Gramatte, Winfried; Schmitt, Rolf-Erhard; and Pohl, Udo, 4,842,773, Cl. 252-628.000.
- Gramet, Jean C.: *See—*
  - O'Nion, Geoffery; and Gramet, Jean C., 4,876,978, Cl. 114-230.000.
- Gramlich, Walter; Halbritter, Klaus; and Heilen, Gerd, to BASF Aktiengesellschaft. Preparation of α-substituted β-dicarbonyl and β-cyanocarbonyl compounds. 4,806,670, 2-21-89, Cl. 558-371.000.
- Gramlich, Walter; Goetz, Norbert; Siegel, Hardo; and Schindler, Gerhard, to BASF Aktiengesellschaft. 4-Methyl-4-phenyl-1-pentanals, their preparation and their use as scents. 4,837,201, 6-6-89, Cl. 512-26.000.
- Gramlich, Walter: *See—*
  - Degner, Dieter; Gramlich, Walter; and Hannebaum, Heinz, 4,814,510, Cl. 568-425.000.
  - Degner, Dieter; Gramlich, Walter; Lanzendoerfer, Franz; and Siegel, Hardo, 4,820,389, Cl. 204-78.000.
  - Degner, Dieter; Gramlich, Walter; Lengsfeld, Wolfgang; and Schuster, Ludwig, 4,847,425, Cl. 568-579.000.
  - Eckhardt, Heinz; Gramlich, Walter; Best, Walter; and Halbritter, Klaus, 4,831,166, Cl. 549-323.000.
- Gramling, John S.: *See—*
  - Mina, George I.; Goins, Dixie E.; and Gramling, John S., 4,847,434, Cl. 568-730.000.
- Gramling, William D. Pneumatic actuators with liquid seals for oil and gas well swabs. 4,841,846, 6-27-89, Cl. 92-60.000.
- Grammatica, Steven J.: *See—*
  - Badesha, Santokh S.; Grammatica, Steven J.; and Jansen, Frank, 4,855,201, Cl. 430-58.000.
  - Kuhman, Daniel E.; Jansen, Frank; and Grammatica, Steven J., 4,885,220, Cl. 430-31.000.
- Grammel, Jurgen: *See—*
  - Pedain, Josef; Nachtkamp, Klaus; Noll, Klaus; and Grammel, Jurgen, 4,829,122, Cl. 524-591.000.
- Grammens, Gerald M.: *See—*
  - Cage, Donald R.; and Grammens, Gerald M., 4,823,613, Cl. 73-861.380.
- Grammer, Arthur, to Shrimp Wacker, Inc. Shrimp peeling machine. 4,843,683, 7-4-89, Cl. 17-73.000.
- Grammer Sitzsysteme GmbH: *See—*
  - Meiller, Hermann; and Jahn, Wolfram, 4,318,020, Cl. 297-313.000.
  - Meiller, Hermann, 4,842,333, Cl. 297-318.000.
- Grammer, Werner; and Kirn, Manfred, to Robert Bosch GmbH. Device for releasable mounting of a disk-shaped tool. 4,850,154, 7-25-89, Cl. 51-209.00R.
- Grammont, Paul D. A.: *See—*
  - Cornette, Michel A. G.; Carbonel, Jack; Franc, Jacques E. A.; and Grammont, Paul D. A., 4,818,773, Cl. 521-32.000.
- Grampa, Fulvio: *See—*
  - D'Andolfo, Francesco; and Grampa, Fulvio, 4,855,099, Cl. 264-103.000.
- Grams, Allan E.: *See—*
  - Koslosky, Howard E.; Swedowski, John E.; Clarey, Robert J.; Grams, Allan E.; and Navratil, Frank, 4,870,542, Cl. 361-355.000.
- Grams, Charles E. Water-ski locator device. 4,871,335, 10-3-89, Cl. 441-68.000.
- Gramse, Harold E.; Jamrozy, Richard E.; and Wilczynski, James M., to Thrall Car Manufacturing Company. Railroad container transporting car of increased weight carrying capacity. 4,841,876, 6-27-89, Cl. 105-406.100.
- Gramse, James R.: *See—*
  - Brimm, Daniel J.; and Gramse, James R., 4,811,584, Cl. 72-63.000.

- Gramza, Fred L.; and Hatch, Robert J., to Hatch Imports, Inc. Wrist support glove. 4,843,651, 7-4-89, Cl. 2-161.00A.
- Gran, Paul: *See—*
  - Diamantstein, Menachem; Gran, Paul; Berinzon, Marian; Eckstien, Zvi; Gal, Uri; and Greenberg, Julie, 4,826,274, Cl. 350-96.160.
  - Stefaniu, Marian; Gran, Paul; Feiner, Haim, deceased; and Feiner, Ilana, heiress, 4,879,541, Cl. 340-825.070.
- Granata, Samuel J., Jr.; and Woodle, Boyd M., to United States of America, Energy. Fuel cell plates with skewed process channels for uniform distribution of stack compression load. 4,853,301, 8-1-89, Cl. 429-39.000.
- Granath, Håkan A.; and Pettersson, Bror G. G., to Aktiebolaget Electrolux. Silencer. 4,846,301, 7-11-89, Cl. 181-230.000.
- Granberg, Bertil; and Lanne, Bert R., to Kamyr AB. Method and apparatus for measuring the distance between a measuring transducer and an opposing surface, particularly with paper pulp equipment. 4,810,964, 3-7-89, Cl. 324-207.000.
- Granbom, Bo. Pressure fluid cylinder device. 4,881,454, 11-21-89, Cl. 92-88.000.
- Grancey, Thomas A.: *See—*
  - Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., 4,853,784, Cl. 358-181.000.
  - Christensen, Donald R.; Bateman, Robert; and Grancey, Thomas A. 4,885,792, Cl. 381-119.000.
  - Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; and Olmstead, Neil R., 4,858,011, Cl. 358-181.000.
- Grancini, Gian C.: *See—*
  - Chiarino, Dario; Grancini, Gian C.; Frigeni, Viviana; and Carenzi, Angelo, 4,829,077, Cl. 514-366.000.
- Granco-Clark, Inc.: *See—*
  - Gentry, Charles B., 4,889,483, Cl. 432-49.000.
- Grand, Arthur, to Wang Laboratories, Inc. Device for enabling concurrent access of indexed sequential data files. 4,823,310, 4-18-89, Cl. 364-900.000.
- Grand, Claude: *See—*
  - Andrieux, Bernard; and Grand, Claude, 4,801,314, Cl. 55-198.000.
- Grand Mirage: *See—*
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- Grand, Paul S.: *See—*
  - Ramachandran, Pallassana N.; Grand, Paul S.; and Bauman, Robert A., 4,873,001, Cl. 252-8.800.
- Grand Rapids Label Company: *See—*
  - deBruin, Frank G., 4,872,707, Cl. 283-102.000.
- Grand Slam, Inc.: *See—*
  - Lay, William C., 4,830,371, Cl. 273-26.00E.
- Grande, Daniel A. Technique for healing lesions in cartilage. 4,846,835, 7-11-89, Cl. 623-11.000.
- Grande, Fulvio R. Powder down door open memory latch for a gaming device. 4,795,155, 1-3-89, Cl. 273-143.00R.
- Grandfield, Walter J., to Motorola, Inc. Speak back paging system. 4,811,379, 3-7-89, Cl. 379-57.000.
- Grandfield, Walter J., to Motorola, Inc. Constant propagation delay current reference. 4,862,015, 8-29-89, Cl. 307-270.000.
- Grandfield, Walter J.: *See—*
  - Nelson, Leonard E.; Leonardo, Victoria A.; and Grandfield, Walter J., 4,814,763, Cl. 340-825.440.
- Grandguillot, Michel: *See—*
  - Bitaillou, Alexis; and Grandguillot, Michel, 4,830,264, Cl. 228-180.200.
- Grandi Servizi S.p.A.: *See—*
  - Cacciotti, Angelo, 4,834,595, Cl. 409-80.000.
- Grandini, Angelo: *See—*
  - Cardone, Michele; Grandini, Angelo; and Zaramella, Bruno, 4,847,582, Cl. 335-289.000.
- Grandjean, Dominique, to Bull, S.A. Apparatus for temporary storage of flat articles. 4,804,175, 2-14-89, Cl. 271-225.000.
- Grandmaire, Jean-Paul: *See—*
  - Jacques, Jacques; and Grandmaire, Jean-Paul, 4,844,823, Cl. 252-8.800.
- Grandvallet, Pierre: *See—*
  - van den Berg, Johannes P.; Grandvallet, Pierre; and Kortbeek, Andras G. T. G., 4,835,335, Cl. 585-312.000.
- Grandy, Clarence E. Multikey carrier. 4,886,159, 12-12-89, Cl. 206-37.400.
- Grandy, John; Barbero, Paul, Quinn, Robert; and Sparacino, Louis, to Sampson Machine Company. Frame piece joining apparatus and jig therefor. 4,828,239, 5-9-89, Cl. 269-41.000.
- Granelli, Mario L.: *See—*
  - Marlow, Peter G.; Granelli, Mario L.; and Perry, Melvyn, 4,867,077, Cl. 109-36.000.
- Granere, Verne R., to Scientific Atlanta, Inc. Automated machine tool monitoring device. 4,866,429, 9-12-89, Cl. 340-680.000.
- Granestrand, Per O.: *See—*
  - Andersson, Ove B.; Berg, Johan; Granestrand, Per O.; and Vatsel, Armand, 4,887,309, Cl. 455-601.000.
- Granetzke, Dennis; and Matter, Thomas H., to Modine Manufacturing Company. Heat exchanger mounting bracket. 4,862,953, 9-5-89, Cl. 165-67.000.
- Graney, Frank X. Hand operated portable band saw for cutting boards from a log. 4,841,639, 6-27-89, Cl. 30-380.000.
- Grange, John A.; and Tuzel, Walter, to Hypres, Incorporated. Open-cycle cooling apparatus. 4,869,077, 9-26-89, Cl. 62-51.100.
- Grange, John A.: *See—*
  - Hohenwarter, Gert K. G.; and Grange, John A., 4,870,830, Cl. 62-50.700.
- Grangeon, Andre: *See—*
  - Charpin, Jean; Grangeon, Andre; Pejot, Francis; Plurien, Pierre; Rasneur, Bernard; Richard, Serge; and Veyre, Rene, 4,888,033, Cl. 55-158.000.
- Granger Associates: *See—*
  - Bishop, H. John; Merriss, Morley M.; Ohlsson, Thomas L.; and Sopira, Terrence G., 4,813,035, Cl. 370-50.000.
- Granger, Denis. Articulated heliport pad. 4,834,321, 5-30-89, Cl. 244-110.00E.
- Granger, Douglas A.: *See—*
  - Rooy, Elwin L.; Petrey, Gerald R.; Weaver, James R.; Granger, Douglas A.; Richter, Raymond T.; and Reavis, H. Gray, Jr., 4,818,300, Cl. 148-2.000.
- Granger, Maurice. Device for dispensing webs of material rolled up on a core with automatic device for replacing the roll in use by a stand-by roll. 4,844,361, 7-4-89, Cl. 242-55.300.
- Granger, Maurice. Perfected cutting device for a device for dispending and simultaneous cutting of material rolled up in webs. 4,846,035, 7-11-89, Cl. 83-337.000.
- Granger, Stanley W.: *See—*
  - Beard, Joseph O.; Granger, Stanley W.; and Sveen, Frode, 4,858,882, Cl. 251-1.200.
- Granick, Lisa R.: *See—*
  - Tam, Gordon; and Granick, Lisa R., 4,857,481, Cl. 437-182.000.
- Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A. 1-Thiocarbamoylmethylpyrrolidine-2-thione, medical compositions of, and anti-hypoxic and nootropic use thereof. 4,839,380, 6-13-89, Cl. 517-424.000.
- Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A. 1-thiocarbamylmethylpyrrolidine-2-thione, process for preparing. 4,876,360, 10-24-89, Cl. 548-550.000.
- Graniteville Company: *See—*
  - McKinney, James M.; Hatfield, Arthur C.; and Samson, Richard D., 4,833,006, Cl. 428-226.000.
- Granitz, Richard F.: *See—*
  - Evans, William R.; Granitz, Richard F.; and Schmedding, George R., 4,838,798, Cl. 439-61.000.
  - Glover, Douglas W.; Granitz, Richard F.; Harner, Donald R.; Kreinberg, Earl R.; Vinson, Paul; Wanat, John W.; and Wolowicz, James P., 4,846,699, Cl. 439-64.000.
  - Glover, Douglas W.; and Granitz, Richard F., 4,846,727, Cl. 439-608.000.
  - Grabbe, Dimitry G.; Granitz, Richard F.; Bakker, Roel J.; Milbrand, Donald W., Jr.; and Masterson, Earl E., 4,836,791, Cl. 439-79.000.
- Granlund, Eje: *See—*
  - Eklof, Mats; Granlund, Eje; and Wikner, Gunnar, 4,867,025, Cl. 83-835.000.
- Grano, Martin A.: *See—*
  - Browne, Ronald O.; and Grano, Martin A., 4,817,465, Cl. 74-817.000.
- Granot, Joseph, to Elscint Ltd. Multi-region in-vivo magnetic resonance spectroscopy. 4,832,037, 5-23-89, Cl. 128-653.000.
- Granot, Joseph, to Elscint Ltd. Magnetic resonance studies of restricted volumes. 4,855,679, 8-8-89, Cl. 324-309.000.
- Granot, Joseph, to Elscint Ltd. Magnetic resonance spectroscopy studies of restricted volumes. 4,878,021, 10-31-89, Cl. 324-309.000.
- Granovksy, Vladimir. Folding solar reflector panel and assembly. 4,833,571, 5-23-89, Cl. 362-16.000.
- Granowski, Robert: *See—*
  - Karas, Wlodzimierz; Granowski, Robert; Ramotowski, Witold; Tuziemski, Aleksander; and Pilawski, Kazimierz, 4,867,144, Cl. 128-92.0YF.
- Granquist, Victor M.: *See—*
  - Cowan, Jack C.; Granquist, Victor M.; and House, Roy F. 4,853,465, Cl. 530-506.000.
  - Cowan, Jack C.; House, Roy F.; and Granquist, Victor M. 4,863,980, Cl. 525-54.310.
  - House, Roy F.; Granquist, Victor M.; and Cowan, Jack C. 4,843,048, Cl. 501-148.000.
- Granqvist, Evert; and Wike, Alf, to ABB Stal AB. Power plant with cyclone cleaners having cooled cyclone legs. 4,852,346, 8-1-89, Cl. 60-39.464.
- Granski, Michael: *See—*
  - Barkan, Mordecai; Genusov, Alex; Granski, Michael; Budnik, Paul; and Retter, Refael, 4,802,111, Cl. 364-724.100.
- Granstrom, Staffan, to NAB-Konsult. Method and device for pre-heating waste metal for furnaces. 4,812,117, 3-14-89, Cl. 432-9.000.
- Grant, Ace A.; and Grant, Vivian M. Weatherized, baffled, gas filtered, semi-automatic heating system for a poultry house or the like. 4,852,799, 8-1-89, Cl. 237-3.000.
- Grant Airmass Corporation: *See—*
  - Grant, Benton H., 4,834,625, Cl. 417-413.000.
- Grant, Alan H. Telephone magnifier attachment. 4,847,901, 7-11-89, Cl. 379-450.000.
- Grant, Alexander. Variable friction hinge. 4,850,081, 7-25-89, Cl. 16-257.000.

- Grant, Barrie D.: *See—*
  - Ratzlaff, Marc H.; Grant, Barrie D.; and Frame, John M., 4,814,661, Cl. 310-328.000.
- Grant, Benton H., to Grant Airmass Corporation. Ceramic sound dampening encasement for fluid pump. 4,834,625, 5-30-89, Cl. 417-413.000.
- Grant, Cathy: *See—*
  - Spinner, Raphael F.; Marley, Clement F.; Brown, Mary; and Grant, Cathy, 4,872,240, Cl. 16-114.00B.
- Grant, Charles B., to Dow Chemical Company, The. Novel fluorinated bis(salicylates). 4,874,886, 10-17-89, Cl. 560-70.000.
- Grant, Charles F.; and Procaccini, Gary S. Method and apparatus for drying athletic balls. 4,843,730, 7-4-89, Cl. 34-9.000.
- Grant, Daniel W.; and Bell, Walter, Jr., to Nu-Tec Corporation. Manipulator drive mechanism. 4,864,880, 9-12-89, Cl. 74-110.000.
- Grant, David C.; Grobsky, Kevin D.; and Purrazzella, Joseph J., to Litton Systems, Inc. Optical combiner for a ring laser gyro. 4,863,271, 9-5-89, Cl. 356-350.000.
- Grant, David C. H., to Quadrex HPS Inc. Two stage vapor recovery system. 4,878,931, 11-7-89, Cl. 62-17.000.
- Grant, David W.: *See—*
  - Browder, George A. G., Jr.; and Grant, David W., 4,875,241, Cl. 2-409.000.
- Grant, Denis A. Mechanized toilet seat. 4,853,983, 8-8-89, Cl. 4-251.000.
- Grant, Elwyn E.: *See—*
  - Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., 4,885,739, Cl. 370-58.100.
- Grant, Frederic F.; and Grant, John P., to Datatape Incorporated. Rotary head scanner including anamorphic beam-shaping apparatus in an optical signal-transmission channel. 4,819,096, 4-4-89, Cl. 360-108.000.
- Grant, Frederic F.; and Mondocea, Ionel, to Datatape, Inc. Reel spindle apparatus with internal clamping member. 4,826,097, 5-2-89, Cl. 242-68.300.
- Grant, Glen E.: *See—*
  - Lott, W. Gerald; and Grant, Glen E., 4,818,398, Cl. 210-238.000.
- Grant, James C.: *See—*
  - Garner, John N.; Baxter, G. Douglas; and Grant, James C., 4,857,676, Cl. 178-45.000.
- Grant, James E., to Sta-Con, Inc. Three-phase monitor circuitry. 4,823,227, 4-18-89, Cl. 361-90.000.
- Grant, James J.: *See—*
  - Miller, William H.; and Grant, James J., 4,864,176, Cl. 310-194.000.
- Grant, Jeffrey O.: *See—*
  - Rothwell, Harold L., Jr.; and Grant, Jeffrey O., 4,884,009, Cl. 315-246.000.
- Grant, John L.; and Strachar, Edward, to United Technologies Corporation. Bus controller command block processing system. 4,805,137, 2-14-89, Cl. 364-900.000.
- Grant, John P.: *See—*
  - Grant, Frederic F.; and Grant, John P., 4,819,096, Cl. 360-108.000.
- Grant, Louis A., to Louis A. Grant, Inc. Apparatus for cleaning aluminum cells. 4,861,112, 8-29-89, Cl. 299-70.000.
- Grant, Louis A., to Louis A. Grant, Inc. Apparatus for cleaning titanium pots. 4,878,789, 11-7-89, Cl. 409-143.000.
- Grant, Nicholas J.: *See—*
  - Megusar, Janez; and Grant, Nicholas J., 4,865,652, Cl. 148-3.000.
  - Megusar, Janez; Harling, Otto K.; and Grant, Nicholas J., 4,885,128, Cl. 376-463.000.
- Grant, Philip M., to APV Gaulin, Inc. Citrus juice concentrate processor. 4,886,574, 12-12-89, Cl. 159-17.100.
- Grant, Ralph S., to Beloit Corporation. Batch digester multi-stage pulping process. 4,849,052, 7-18-89, Cl. 162-39.000.
- Grant, Richard D.: *See—*
  - Ford, Douglas L.; and Grant, Richard D., 4,814,083, Cl. 210-490.000.
- Grant, Richard L.: *See—*
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- Grant, Richard W., to Hughes Aircraft Company. Two motor redundant drive mechanism. 4,853,490, 8-22-89, Cl. 74-661.000.
- Grant, Robert B.: *See—*
  - Nichol, Robert E.; Grant, Robert B.; and Faddis, Charles T., 4,885,707, Cl. 364-551.010.
- Grant, Robert C.; and Johnson, John L., to Caterpillar Inc. Crankcase fumes disposal system. 4,827,715, 5-9-89, Cl. 60-283.000.
- Grant, Robert W.; and Mackedanz, Bruce T., to FSI International, Inc. Rotary fluid coupling. 4,848,400, 7-18-89, Cl. 137-580.000.
- Grant, Robert W.; and Jenson, William M., to FSI International, Inc. Flow control manifold. 4,874,014, 10-17-89, Cl. 137-606.000.
- Grant, Robert W.: *See—*
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- Grant, Ronald W.: *See—*
  - Waldrop, James R.; and Grant, Ronald W., 4,833,042, Cl. 428-641.000.
- Grant, Thomas S.; Jalbert, Ronald L.; and Whalen, David, to Borg-Warner Chemicals, Inc. Thermoplastic polyamide—polyphenylene ether compositions. 4,798,865, 1-17-89, Cl. 525-92.000.
- Grant, Thomas S.; and Jalbert, Ronald L., to Borg-Warner Chemicals, Inc. Polyphenylene ether-polyamide blends. 4,826,933, 5-2-89, Cl. 525-397.000.
- Grant, Vivian M.: *See—*
  - Grant, Ace A.; and Grant, Vivian M., 4,852,799, Cl. 237-3.000.
- Grantham, Charles K.: *See—*
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- Grantham, Daniel H., to United Technologies Corporation. Differential capacitive pressure sensor with over-pressure protection. 4,879,627, 11-7-89, Cl. 361-283.000.
- Grantham, Daniel H.: *See—*
  - Swindal, James L.; and Grantham, Daniel H., 4,883,768, Cl. 437-61.000.
- Grantham, Debs E. Grafting apparatus. 4,839,986, 6-20-89, Cl. 47-6.000.
- Grantham, George W.: *See—*
  - Milan, John M.; and Grantham, George W., 4,851,850, Cl. 342-90.000.
- Grantham, Rodger P., to Dayco Products, Inc. Breakaway coupling, conduit system utilizing the coupling and methods of making the same. 4,854,338, 8-8-89, Cl. 137-68.100.
- Grantland, Gary, to Palco Telecom, Inc. Paystation transmitter ground detect circuitry. 4,821.313, 4-11-89, Cl. 379-145.000.
- Grantland, Gary, to Palco Telecom. Inc. Adaptive telephone receive control. 4,831,650, 5-16-89, Cl. 379-143.000.
- Granville, Andre: *See—*
  - Lecourt, Jean; Legros, Desire; and Granville, Andre, 4,871,385, Cl. 65-115.000.
  - Lecourt, Jean; Legros, Desire; and Granville, Andre, 4,889,547, Cl. 65-107.000.
- Granville-Phillips Company: *See—*
  - Morrison, Charles F., Jr., 4,866,640, Cl. 364-558.000.
- Granwehr, Erik: *See—*
  - Fullemann, Jorg; Boner, Heinrich; and Granwehr, Erik, 4,861,216, Cl. 414-326.000.
- Granz, Bernd: *See—*
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- Granzer, Ernold: *See—*
  - Lang, Hans-Jochen; Hropot, Max; Granzer, Ernold; and Kerekjarto, Bela, 4,849,444, Cl. 514-425.000.
- Granzotto, Robert: *See—*
  - Armstrong, Richard J.; and Granzotto, Robert, 4,874,143, Cl. 242-198.000.
- Granzow, Daniel B.: *See—*
  - Bellotti, Marc; Lueders, Arthur; Granzow, Daniel B.; Taylor, Larry C.; and Nauman, Mark, 4,882,496, Cl. 250-455.100.
- Grape, Wolfgang; Schlak, Ottfried; and Braun, Rolf M., to Bayer Aktiengesellschaft. Organopolysiloxane oils. 4,831,169, 5-16-89, Cl. 556-451.000.
- Grape, Wolfgang: *See—*
  - Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,806,593, Cl. 525-63.000.
  - Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,812,515, Cl. 525-69.000.
- Grapes, Thomas F.; Fertig, Timothy M.; and Schroeder, Mark S., to Westinghouse Electric Corp. Composite heat transfer means. 4,849,858, 7-18-89, Cl. 361-388.000.
- Grapes, Thomas F.; Fertig, Timothy M.; and Schroeder, Mark S., to Westinghouse Electric Corp. Composite heat transfer means. 4,867,235, 9-19-89, Cl. 165-185.000.
- Grapha-Holding AG: *See—*
  - Geiser, Peter, 4,836,528, Cl. 271-263.000.
- Graphic Controls Canada, Ltd.: *See—*
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- Graphic Controls Corporation: *See—*
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  - Hubbard, James R., 4,854,762, Cl. 401-199.000.
- Graphics Microsystems, Inc.: *See—*
  - Runyan, Steven; Haney, Jerry D.; and Francy, James R., 4,864,930, Cl. 101-365.000.
- Graphoidal Developments Limited: *See—*
  - Brown, Roy, 4,861,363, Cl. 65-24.000.
- Graphoplast S.p.A.: *See—*
  - Piana, Ivana; and Piana, Silvano, 4,876,810, Cl. 40-316.000.
- Graphtec Kabushiki Kaisha: *See—*
  - Aizawa, Isamu, 4,855,755, Cl. 346-76.0PH.
  - Yahagi, Hisashi, 4,806,708, Cl. 178-18.000.
  - Yamazaki, Daizou, 4,795,858, Cl. 178-19.000.
- Grappe, Jacques, to Societe Francaise de Stockage Geologique- Geostock. Process for monitoring the leaktightness of a storage facility. 4,805,445, 2-21-89, Cl. 73-49.200.
- Grard, Emmanuel: *See—*
  - Mousseaux, Daniel; Chevet, Bruno; and Grard, Emmanuel, 4,887,882, Cl. 350-96.200.
- Gras, Claude; Arditty, Patricia; and Staron, Philippe, to Societe Nationale Elf Aquitaine (Production). Process for the detection of heterogeneities and/or for the determination of petrophysical characteristics of geological strata of a medium to be explored. 4,864,545, 9-5-89, Cl. 367-31.000.
- Gras, Elie, to Anver. Process and apparatus for obtaining plastic molded objects. 4,800,049, 1-24-89, Cl. 264-26.000.
- Gras, Jean-Jacques: *See—*
  - Hammer, Ole; and Gras, Jean-Jacques, 4,872,204, Cl. 455-54.000.
- Gras, Rainer, to Huels Aktiengesellschaft. Method of manufacturing single-component polyurethane baking enamels. 4,879,356, 11-7-89, Cl. 525-440.000.
- Grasa, Ivan: *See—*
  - Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, 4,852,595, Cl. 134-144.000.

Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, 4,852,804, Cl. 239-121.000.

Grasel, Timothy G.; and Cooper, Stuart L., to Wisconsin Alumni Research Foundation. Biocompatible polyurethanes modified with lower alkyl sulfonate and lower alkyl carboxylate. 4,880,883, 11-14-89, Cl. 525-454.000.

Graser, Warren L.; and McCafferty, Robert H., to Morton Thiokol, Inc. Multiple-stage rocket motor nozzle throat. 4,821,510, 4-18-89, Cl. 60-242.000.

Graser, Wolfgang: *See—*
Feil, Eugen; Neumann, Gerd; Graser, Wolfgang; and Friedrich, Horst, 4,800,675, Cl. 47-33.000.
Feil, Eugen; Neumann, Gerd; Graser, Wolfgang; and Friedrich, Horst, 4,854,102, Cl. 52-535.000.

Grass AG: *See—*
Grass, Alfred, 4,881,297, Cl. 16-258.000.

Grass, Alfred, to Alfred Grass Ges.m.b.H. Metallwarenfabrik. Hinge frame with easily-releasable attachment of the furniture-side cover bracket to the furniture piece. 4,799,289, 1-24-89, Cl. 16-236.000.

Grass, Alfred, to Alfred Grass Ges.m.b.H. Metallwarenfabrik. Fixture for the attachment of a guide rail to the body of a piece of furniture. 4,834,555, 5-30-89, Cl. 384-19.000.

Grass, Alfred, to Alfred Grass Ges.m.b.H. Metallwarenfabrik. Guide rail or runner for drawers or like. 4,834,556, 5-30-89, Cl. 384-22.000.

Grass, Alfred, to Alfred Grass Ges.m.b.H. Metallwarenfabrik. Rapidcy mountable furniture hinge with snap closure. 4,839,940, 6-20-89, Cl. 16-258.000.

Grass, Alfred, to Alfred Grass Ges. mbH. Metallwarenfabrik. Furniture hinge. 4,841,598, 6-27-89, Cl. 16-251.000.

Grass, Alfred, to Alfred Grass Ges.m b.H. Metallwarenfabrik. Adjustable fitting for overhead opening cabinet door. 4,862,555, 9-5-89, Cl. 16-291.000.

Grass, Alfred, to Alfred Grass Ges.m.b.H. Metallwarenfabrik. Adjustable base plate for hinges. 4,862,556, 9-5-89, Cl. 16-382.000.

Grass, Alfred, to Alfred Grass Ges.m.b.H. Metallwarenfabrik. Covering element for furniture hinges. 4,870,716, 10-3-89, Cl. 16-251.000.

Grass, Alfred, to Grass AG. Furniture hinge with snap-in mechanism. 4,881,297, 11-21-89, Cl. 16-258.000.

Grass, Alfred, to Alfred Grass Ges.m.b.H. Metallwarenfabrik. Underbase guiding system for a drawer. 4,881,826, 11-21-89, Cl. 384-19.000.

Grass Valley Group, Inc., The: *See—*
Abt, John, 4,805,02[illegible], Cl. 358-183.000.
Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., 4,853,784, Cl. 358-181.000.
Barnett, Ronnie D.; and Parkes, Steven M., 4,800,432, Cl. 358-160.000.
Boyce, Rory W., 4,843,469, Cl. 358-148.000.
Brunnenmeyer, Dennis D., 4,846,705, Cl. 439-78.000.
Chaplin, Daniel J., 4,811,102, Cl. 358-183.000.
Chaplin, Daniel J., 4,887,159, Cl. 358-183.000.
Christensen, Donald R.; Bateman, Robert; and Grancey, Thomas A., 4,885,792, Cl. 381-119.000.
Crane, Terry A.; and Way, Frank P., 4,826,450, Cl. 439-578.000.
Hershberger, David L., 4,811,264, Cl. 364-726.000.
Hershberger, David L.; and Ransom, Gordon E., 4,868,895, Cl. 455-618.000.
Jackson, Richard A.; Lake, David E., Jr.; Blecksmith, James E.; Barnett, Ronnie D.; and Abt, John, 4,821,269, Cl. 371-16.000.
Jackson, Richard A.; and Abt, John, 4,823,183, Cl. 358-22.000.
Jackson, Richard A.; and Windrem, Kevin D., 4,851,912, Cl. 358-183.000.
Jackson, Richard A.; Abt, John; and Barnett, Ronnie D., 4,873,568, Cl. 358-22.000.
Jackson, Richard A., 4,875,097, Cl. 358-180.000.
Johnson, Brion, 4,835,613, Cl. 358-181.000.
Johnson, Brion; Kesti, Michael R.; and Reynolds, Keith Y., 4,890,163, Cl. 358-181.000.
LaBarge, Steven B.; and Stanger, Leon J., 4,799,026, Cl. 330-254.000.
LaBarge, Steven B.; and Waggoner, Bruce, 4,885,582, Cl. 341-57.000.
Lake, David E., Jr., 4,809,070, Cl. 358-166.000.
Lake, David E., Jr., 4,831,447, Cl. 358-183.000.
Liron, John E., 4,795,916, Cl. 307-270.000.
Michener, James A., 4,852,035, Cl. 364-724.100.
Michener, James A., 4,888,768, Cl. 370-102.000.
Murphy, Richard L., 4,860,098, Cl. 358-139.000.
Trethewey, Paul M., 4,859,955, Cl. 328-169.000.
Witek, Francis A.; and Lake, David E., Jr., 4,797,836, Cl. 364-518.000.

Grass, William E., to Eaton Corporation. Circuit breaker with mounting clip. 4,821,144, 4-11-89, Cl. 361-353.000.

Grassel, William H.; and Borst, Doak, to Aluminum Company of America. Method and apparatus for coating a moving substrate. 4,839,202, 6-13-89, Cl. 427-424.000.

Grasselli, Giorgio. Air cleaning system. 4,807,321, 2-28-89, Cl. 15-312.00R.

Grasselli, Paola: *See—*
Monticelli, Ivan; and Grasselli, Paola, 4,863,077, Cl. 223-57.000.

Grasselli, Robert K.; Tenhover, Michael A.; and Harris, Jonathan H., to Standard Oil Company, The. Method of forming amorphous metal alloy compositions for reversible hydrogen storage. 4,814,002, 3-21-89, Cl. 75-0.50A.

Grasselli, Robert K.; Miller, Arthur F.; and Hardman, Harley F., to Standard Oil Company, The. Catalyst for the manufacture of acrylonitrile and methacrylonitrile. 4,863,891, 9-5-89, Cl. 502-306.000.

Grasselli, Robert K.: *See—*
Bartek, Joseph P.; Brazdil, James F., Jr.; Hupp, John M.; and Grasselli, Robert K., 4,886,931, Cl. 585-500.000.
Guttmann, Andrew T., Brazdil, James F.; and Grasselli, Robert K., 4,816,243, Cl. 423-593.000.
Suresh, Dev D.; Seely, Michael J.; Brazdil, James F.; and Grasselli, Robert K., 4,855,275, Cl. 502-353.000.
Tenhover, Michael A.; Henderson, Richard S.; and Grasselli, Robert K., 4,851,296, Cl. 428-457.000.

Grassens, Leonardus J.: *See—*
Span, Francis J.; Hissel, Leopold H.; and Grassens, Leonardus J., 4,885,998, Cl. 108-139.000.

Grasser, Franz, to Siemens Aktiengesellschaft. Extracorporeal lithotripsy apparatus. 4,811,725, 3-14-89, Cl. 128-24.00A.

Grasser, Franz; and Oppelt, Sylvester, to Siemens Aktiengesellschaft. Lithotripsy work station. 4,819,257, 4-4-89, Cl. 378-99.000.

Grasser, Franz, to Siemens Aktiengesellschaft. Combination patient support table and shock wave tube. 4,823,774, 4-25-89, Cl. 128-24.00A.

Grasser, Franz, to Siemens Aktiengesellschaft. Shock wave head for non-contacting disintegration of calculi. 4,838,248, 6-13-89, Cl. 128-24.00A.

Grasser, Franz: *See—*
Eichler, Juergen; Grasser, Franz; and Oppelt, Sylvester, 4,829,986, Cl. 128-24.00A.

Grasser, Heinrich; and Muenzer, Adolf, to Siemens Aktiengesellschaft. Process for the passivation of crystal defects. 4,835,006, 5-30-89, Cl. 427-39.000.

Grasser, Katalin: *See—*
Batori, Sandor; Hajos, Gyorgy; Messmer, Andras; Benko, Pal; Pallos, Laszlo; Petocz, Lujza; Grasser, Katalin; Kosoczky, Ibolya; and Szirt nee Kiszelly, Eniko , 4,871,846, Cl. 544-183.000.

Grasset, Marcel: *See—*
Pilot, Alain; and Grasset, Marcel, 4,795,899, Cl. 250-216.000.

Grassl, Erwin: *See—*
Awakowicz, Erwin; and Grassl, Erwin, 4,810,066, Cl. 350-356.000.
Awakowicz, Erwin; Schiller, Kurt; and Grassl, Erwin, 4,839,921, Cl. 379-428.000.

Grassl, Gerhard: *See—*
Bain, William L., Jr.; Bedichek, Robert C.; Cox, George W.; Grassl, Gerhard; Peterson, Craig B.; Rattner, Justin R.; Singh, Gurbir; Singh, Gurbir; and Wipfli, John L., 4,803,622, Cl. 364-200.000.

Grassl, Hans P., to Siemens Aktiengesellschaft. Convolver arrangement with acoustic waves. 4,799,184, 1-17-89, Cl. 364-821.000.

Grassl, Hans-Peter, to Siemens Aktiengesellschaft. Two-track convolver operating with acoustic waves and with suppression of self-convolution signals. 4,809,213, 2-28-89, Cl. 364-821.000.

Grassle, Herbert; Hauers, Manfred; Vits, Dieter; and Weeger, Hans-Peter, to Zinser Textilmaschinen GmbH. Flyer doffer for automatically replacing full roving bobbins with empty roving bobbins. 4,805,352, 2-21-89, Cl. 57-267.000.

Grassle, Herbert: *See—*
Kabilka, Otto; Weich, Otto; Grassle, Herbert; and Weeger, Hans-Peter, 4,843,810, Cl. 57-268.000.
Kabilka, Otto; Weich, Otto; Grassle, Herbert; and Weeger, Hans-Peter, 4,843,972, Cl. 104-296.000.

Grassman, Wolfgang; Berner, Walter; and Muller, Gunter, to ANT Nachrichtentechnik GmbH. Circuit arrangement for non-blocking switching of PCM channels in the space and time domain. 4,823,340, 4-18-89, Cl. 370-58.000.

Grassmuck, Jurgen: *See—*
Wissmann, Michael; Grassmuck, Jurgen; Muller, Wilfried; and Zimmermann, Helmut, 4,867,270, Cl. 181-231.000.

Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, to Carl Freudenberg, Firma. Flywheel assembly. 4,852,424, 8-1-89, Cl. 74-574.000.

Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, to Carl Freudenberg, Firma. Antifriction bearing. 4,854,751, 8-8-89, Cl. 384-537.000.

Grassmuck, Volker: *See—*
Eckel, Hans-Gerd; Grassmuck, Volker; Jorg, Benno; Kurr, Klaus and Sommer, Eberhard, 4,850,244, Cl. 74-574.000.

Grasso, Albert P., to International Fuel Cells Corporation. Removal of ammonia from fuel cell power plant water system. 4,801,356, 1-31-89, Cl. 203-11.000.

Grasso, Albert P.; Vogel, Wolfgang M.; and Taylor, William A., to International Fuel Cells Corporation. Fuel cell powerplant employing an aqueous solution. 4,804,591, 2-14-89, Cl. 429-12.000.

Grasso, Albert P.; and Vogel, Wolfgang M., to International Fuel Cells Corporation. Apparatus employing an aqueous solution. 4,835,07[illegible], 5-30-89, Cl. 429-12.000.

Grasso, Albert P., to International Fuel Cells Corporation. Fuel cell clean waste water discharge system. 4,855,192, 8-8-89, Cl. 429-13.000.

Grasso, Albert P.: *See—*
Bonville, Leonard J.; Grasso, Albert P.; and Sederquist, Richard A., 4,816,040, Cl. 55-42.000.
Misage, Robert J.; D'Aquila, Daniel L.; and Grasso, Albert P., 4,824,738, Cl. 429-12.000.

Grasso, Giorgio: *See—*
Dotti, Enrico; Grasso, Giorgio; and Lanfranconi, Giannino, 4,867,527, Cl. 350-96.230.

Grasso, Mark. Field game. 4,869,503, 9-26-89, Cl. 273-55.00A.

Grasten, Markku: *See—*
Tuhkanen, Raimo; Grasten, Markku; and Westergard, Sivert, 4,822,640, Cl. 427-211.000.

Gratke, Norman G., to W. H. Brady Co. Capacitance membrane switchcore with intertrace capacitive coupling and/or intratrace capacitive coupling. 4,857,684, 8-15-89, Cl. 200-600.000.

Gratke, Norman G., to W. H. Brady Co. Self-referencing capacitive key cell structure and switchcore matrices formed therefrom. 4,876,461, 10-24-89, Cl. 307-11[illegible].

Graton, Michel; and [illegible], Alain, to Valeo. Clutch friction disc with predamper. 4,860,871, 8-29-89, Cl. 192-106.100.

Graton, Michel: *See—*
Rohrle, Dieter; Graton, Michel; and Lhermitte, Philippe, 4,883,156, Cl. 192-106.200.

Gratschus, Monika: *See—*
Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Gratschus, Monika, 4,882,127, Cl. 422-50.000.

Grattarola, Maurizuo; and Stella, Domenico, to Contraves Italiana S.p.A. Driving device for extending and withdrawing operative members of a space vehicle. 4,884,464, 12-5-89, Cl. 74-50.000.

Gratton, Enrico, to I.S.S. (U.S.A.) Inc. Frequency domain cross-correlation fluorometry with phase-locked loop frequency synthesizers. 4,840,485, 6-20-89, Cl. [illegible]56-317.000.

Gratz, Roy F.: *See—*
Alston, William B.; and Gratz, Roy F., 4,845,167, Cl. 528-353.000.
Alston, William B.; and Gratz, Roy F., 4,885,116, Cl. 562-413.000.

Gratzel, Michael; Kiwi, John; and Thampi, Krishnan R., to Gas Research Institute. Mixed ruthenium catalyst. 4,847,231, 7-11-89, Cl. 502-74.000.

Gratzer, Louis B., to Boeing Company, The. Laminar flow control airfoil. 4,813,631, 3-21-89, Cl. 244-35.00R.

Gratzl, Josef S., to Interox (Societe Anonyme). Process for the delignification of cellulosic substances by pretreating with a complexing agent followed by hydrogen peroxide. 4,826,567, 5-2-89, Cl. 162-72.000.

Gratzl, Josef S., to Interox (Societe Anonyme). Process for delignification of cellulosic substances by pretreating with a complexing agent followed by peroxide prior to kraft digestion. 4,826,568, 5-2-89, Cl. 162-76.000.

Gratzmuller, Claude A. Three-way hydraulic valve. 4,794,950, 1-3-89, Cl. 137-596.180.

Gratzmuller, Claude A. Differential hydraulic jack with damping system for the control of electric circuit-breakers. 4,807,514, 2-28-89, Cl. 91-25.000.

Grau, James A.: *See—*
Wraight, Peter D.; Hertzog, Russel C.; Ellis, Darwin V.; Scott, Hubert D.; Schweitzer, Jeffrey S.; and Grau, James A., 4,810,876, Cl. 250-256.000.

Grau, Juan: *See—*
Naegeli, Andrew H.; Grau, Juan; and Nyquist, Richard A., 4,818,931, Cl. 324-77.00B.

Grau, Richard, to Pneumo Abex Corporation. Control valve assembly including valve position sensor. 4,809,742, 3-7-89, Cl. 137-554.000.

Grau, Richard; Vanderlaan, Robert D.; and Newell, Guy S., to Pneumo Abex Corporation. Two position flow control valve assembly with position sensing. 4,825,904, 5-2-89, Cl. 137-554.000.

Grau, Thomas D., to International Pipe Machinery Corp. Vibrator type concrete pipe making machines having combined lubrication and cooling system. 4,861,252, 8-29-89, Cl. 425-135.000.

Grau, Tobias. Lighting system with lamps arranged between two low-voltage conductors. 4,837,667, 6-6-89, Cl. 362-147.000.

Grau, Ulrich, to Hoechst Aktiengesellschaft. Process for obtaining insulin precursors from reaction mixtures resulting from the folding of insulin precursors from the corresponding S-sulfonates. 4,801,684, 1-31-89, Cl. 530-303.000.

Grau, Ulrich; and Pohler, Wolfgang, to Hoechst Aktiengesellschaft. Device for the administration of medicament suspensions. 4,850,966, 7-25-89, Cl. 604-82.000.

Grau, Werner; Kohl, Albert; Kovacs, Jenoe; Balz, Werner; and Muenzer, Wulf, to BASF Aktiengesellschaft. Production of magnetic recording media. 4,842,896, 6-27-89, Cl. 427-131.000.

Grau, Werner: *See—*
Richter, Juergen; Grau, Werner; Maurer, Gerd; Domas, Friedrich; Loeser, Werner; Bender, Rainer; Schulze, Axel-Ruediger; and Doerr, Kurt, 4,833,909, Cl. 51-281.0SF.

Grauel, Christoph; and Schmidt, Werner, to Philips Kommunikations Industrie AG. Accessing of transmission channels of a communication system. 4,815,073, 3-21-89, Cl. 370-95.000.

Graupmann, Lloyd E.: *See—*
Georgi, Donald K.; Basile, Andrew X.; and Graupmann, Lloyd E., 4,881,413, Cl. 73-861.120.

Grauz, Daniel; and Marchal, Claude, to Societe Francaise d'Equipments pour la Navigation Aerienne (S.F.E.N.A.). Remote control device for a computer associated with a video screen. 4,862,151, 8-29-89, Cl. 340-706.000.

Grave, Heinrich: *See—*
Frosch, Hans-Georg; Grave, Heinrich; Stutz, Herbert; Waldau, Eckart; and Fuhrmann, Peter, 4,847,408, Cl. 560-347.000.

Gravelle, Homer E., to Sundstrand Corporation. Centrifugal pump with hydraulic thrust balance and tandem axial seals. 4,867,633, 9-19-89, Cl. 415-106.000.

Gravelle, Joseph M.: *See—*
Burch, Robert H.; and Gravelle, Joseph M., 4,846,584, Cl. 374-31.000.

Gravely, Charles T., to J & S Electronics, Inc. Apparatus for controlling device start up and off/on running periods. 4,798,971, 1-17-89, Cl. 307-141.000.

Gravem, Alf E.: *See—*
Auran, Lars; Rod, Ivar O.; Tangen, Ole; and Gravem, Alf E., 4,810,284, Cl. 75-0.50C.

Gravemann, Horst, to Kabel-und Metallwerke Gutehoffnungshutte AG. Method of casting and mold making. 4,883,112, 11-28-89, Cl. 164-459.000.

Graven, Richard G.: *See—*
Aly, Fouad A.; Graven, Richard G.; and Lewis, David W., 4,836,989, Cl. 422-195.000.

Graver Company, The: *See—*
Davis, Thomas A.; and Butterworth, Donald J., 4,880,513, Cl. 204-182.400.
Soriente, Alfonse J.; Crosman, Jay C.; Frisch, Sam; and Salem, Eli, 4,863,498, Cl. 55-198.000.
Soriente, Alfonse J.; and Gurnari, Lawrence, 4,889,624, Cl. 210-232.000.

Gravereaux, Daniel W.: *See—*
Karamon, John J.; and Gravereaux, Daniel W., 4,839,733, Cl. 358-341.000.

Graverholt, James M.: *See—*
Stone, Christopher; Graverholt, James M.; Donaldson, Stuart G.; and Bagley, Kevin M., 4,851,655, Cl. 235-58.0CW.

Graves, Alan F., to Northern Telecom Limited. Digitization of video signals. 4,825,286, 4-25-89, Cl. 358-143.000.

Graves, Alan F.; Littlewood, Paul A.; and Weiss, Johannes S., to Northern Telecom Limited. Switching tdm digital signals. 4,876,682, 10-24-89, Cl. 370-66.000.

Graves, Bjarne: *See—*
Due, Jorgen; Graves, Bjarne; and Bak, Henning, 4,861,535, Cl. 264-103.000.

Graves, Daniel F.; and Engels, Hans-Wilhelm, to Firestone Tire & Rubber & Company, The. Rubber compositions modified with heterocyclic di-N-oxides. 4,822,845, 4-18-89, Cl. 524-519.000.

Graves, Ernest D., Jr.: *See—*
Wolcott, Duane K.; Graves, Ernest D., Jr.; and Hunt, David G., 4,798,803, Cl. 436-52.000.

Graves, Howard, to University of California, The Regents of the. Noise controlled immunoassays. 4,829,009, 5-9-89, Cl. 436-518.000.

Graves, Howard: *See—*
Marino, Frank; and Graves, Howard, 4,868,946, Cl. 15-230.110.

Graves, John P.: *See—*
Mann, Michael G.; and Graves, John P., 4,864,150, Cl. 250-571.000.

Graves, Lee K., to Wickes Manufacturing Company. Adjustable lumbar support. 4,880,271, 11-14-89, Cl. 257-284.000.

Graves, Michael S. Cat toy. 4,803,953, 2-14-89, Cl. 119-29.000.

Graves, Peter W.: *See—*
Greenwood, John C.; Graves, Peter W.; and Neat, Rosamund C., 4,884,450, Cl. 73-702.000.

Graves Spray Supply Co., Inc.: *See—*
Hedger, James E., Jr.; and Charette, Joseph G., 4,854,504, Cl. 239-294.000.
Smith, James E., 4,848,665, Cl. 239-411.000.

Graves Spray Supply, Inc.: *See—*
Smith, James E., 4,846,404, Cl. 239-400.000.

Graves, Thomas J.; Yang, Robert A.; and Brown, Christopher W., to United States of America, National Aeronautics and Space Administration. Toggle release. 4,836,081, 6-6-89, Cl. 89-1.140.

Graves, Thomas J.: *See—*
Robinson, Robert L.; Graves, Thomas J.; and Hoffman, William C., III, 4,829,235, Cl. 324-64.000.

Graves, Walter E.: *See—*
Boys, Donald R.; and Graves, Walter E., 4,795,299, Cl. 414-217.000.

Graves, William H., Jr.; Wallace, Gary W.; Bradford, Bruce P.; Carpenter, Carolyn R.; Smith, Kenneth W.; and Toft, Howard C., to R. J. Reynolds Tobacco Company. Extruded tobacco materials. 4,880,018, 11-14-89, Cl. 131-375.000.

Gravesteijn, Dirk J.; and van der Poel, Carolus J., to U.S. Philips Corporation. Method for the optical recording of information and an optical recording element used in the method. 4,808,514, 2-28-89, Cl. 430-495.000.

Gravesteijn, Dirk J.; and Van Der Poel, Carolus J., to U.S. Philips Corporation. Method of optically recording and erasing information. 4,816,385, 3-28-89, Cl. 430-495.000.

Gravesteijn, Dirk J.; and Van Der Poel, Carlus J., to U.S. Philips Corporation. Erasable optical recording element and method of optically recording and erasing information. 4,818,666, 4-4-89, Cl. 430-495.000.

Gravesteijn, Dirk J.: *See—*
Steenbergen, Christiaan; and Gravesteijn, Dirk J., 4,872,156, Cl. 369-275.000.

Gravestock, Michael B., to Imperial Chemical Industries PLC. Oxadiazines. 4,849,516, 7-18-89, Cl. 540-300.000.

Graviner Limited: *See—*
Brown, Alfred R.; and Mackrell, Andrew D., 4,889,994, Cl. 250-374.000.

Gravisse, Philippe; Duchateau, Jacques; and Perron, Maurice, to B.R.I.C.-Bureau de Recherche pour l' Innovation et la Convergence & Banque de France. Fiduciary or security object enabling visual or optical authentification. 4,874,188, 10-17-89, Cl. 283-89.000.

Gravitt, Billy B.: *See—*
Heitzmann, Richard F.; Gravitt, Billy B.; and Sawyer, James L., 4,842,649, Cl. 106-89.000.

- Gravitz, Daniel: *See—*
  - Matthias, Brian P.; Mursinna, Richard; and Gravitz, Daniel, 4,808,837, Cl. 290-54.000.
- Gravley, Mark L.; and Henderson, E. Webb, to Phillips Petroleum Company. Process for producing carbon black. 4,822,588, 4-18-89, Cl. 423-450.000.
- Gravley, Mark L.; and Henderson, E. Webb, to Phillips Petroleum Company. Apparatus for producing carbon black. 4,824,643, 4-25-89, Cl. 422-151.000.
- Gravrok, R. J.; and Warner, R. M., Jr., to University of Minnesota, Regents of the. Complementary noise-immune logic. 4,868,904, 9-19-89, Cl. 307-443.000.
- Gravrok, Roger J., to University of Minnesota, Regents of the. Family of noise-immune logic gates and memory cells. 4,853,561, 8-1-89, Cl. 307-443.000.
- Gray, Adrian L., to Foseco International Limited. Hot metal sampling. 4,838,336, 6-13-89, Cl. 164-4.100.
- Gray, Adrian L., to Foseco International Limited. Metal sampling. 4,848,438, 7-18-89, Cl. 164-4.100.
- Gray, Alan; and Arch, Alfred J., to Alcan International Limited. Water treatment in aqueous heat transfer apparatus. 4,885,141, 12-5-89, Cl. 422-263.000.
- Gray, Arthur H.: *See—*
  - Bollier, Marc M. P.; Gray, Arthur H.; and Somers, Andreas J., 4,828,721, Cl. 252-8.700.
- Gray, Bennie M.: *See—*
  - Link, Charles T.; Gray, Bennie M.; and Shumaker, Harold L., 4,867,279, Cl. 188-62.000.
- Gray, Billy H.; Gray, Keith D.; and Hanna, Robert G., to West Plains Machinery Corporation. Apparatus for notching pallet stringers. 4,807,678, 2-28-89, Cl. 144-371.000.
- Gray, Coy J., to Milliken Research Corporation. Novel method to produce three-ply yarn and fabric made therefrom. 4,848,413, 7-18-89, Cl. 139-397.000.
- Gray, Dennis W., to Halliburton Company. Container for a fluid to be tested under pressure. 4,823,594, 4-25-89, Cl. 73-54.000.
- Gray, Donald E., to Sangamo Weston, Inc. Direction sensitive optical shaft encoder. 4,827,123, 5-2-89, Cl. 250-231.0SE.
- Gray, Douglas G.: *See—*
  - Dujari, Vineet; Syrimis, Nicos S.; and Gray, Douglas G., 4,811,124, Cl. 360-49.000.
- Gray, Edward W.: *See—*
  - Riser, William M.; Gray, Edward W.; and Riser, Terry D., 4,827,241, Cl. 338-172.000.
- Gray Electronics, Inc.: *See—*
  - Henry, Philip, 4,841,302, Cl. 342-20.000.
- Gray, Eric A. Security-providing container device. 4,821,538, 4-18-89, Cl. 70-14.000.
- Gray, Frank; and Stienbarger, LeRoy. Pedal operated vehicle with cam and cam follower drive assembly. 4,880,249, 11-14-89, Cl. 280-253.000.
- Gray, Frank B. Surgical instrument with detachable tool member. 4,813,413, 3-21-89, Cl. 128-303.00R.
- Gray, Frank B. Femoral component for a hip prosthesis. 4,851,007, 7-25-89, Cl. 623-23.000.
- Gray, Gary T. Stringed instrument chord attachment. 4,796,506, 1-10-89, Cl. 84-317.000.
- Gray, George W.: *See—*
  - Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., 4,824,217, Cl. 350-350.500.
  - Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; and Young, Daniel J. S., 4,852,977, Cl. 350-350.00S.
  - Eidenschink, Rudolf; Krause, Joachim; Andrews, Beatrice M.; Gray, George W.; and Carr, Neil, 4,834,905, Cl. 252-299.610.
  - Eidenschink, Rudolf; Romer, Michael; Weber, Georg; Gray, George W.; and Toyne, Kenneth J., 4,868,341, Cl. 568-664.000.
- Gray, Glenn E. Skirt seal impact bracket. 4,848,540, 7-18-89, Cl. 198-824.000.
- Gray, Gregory L.; and Heyneker, Herbert L., to Genentech, Inc. Recombinant procaryotic cell containing correctly processed human growth hormone. 4,859,600, 8-22-89, Cl. 435-252.330.
- Gray, Howard R.; Shimshock, Richard P.; and Krisl, Matthew E., to Deposition Sciences, Inc. Method for making pigment flakes. 4,879,140, 11-7-89, Cl. 427-38.000.
- Gray, James A. Animal feeding device. 4,829,935, 5-16-89, Cl. 119-54.000.
- Gray, James P.: *See—*
  - Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., 4,827,411, Cl. 364-300.000.
  - Baratz, Alan E.; Clarke, Kathryn E.; Pollard, Melinda R.; Pozefsky, Diane P.; Rafalow, Lee M.; Siddall, William E.; and Gray, James P., 4,873,517, Cl. 340-825.030.
- Gray, Joe W.: *See—*
  - Dolbeare, Frank A.; and Gray, Joe W., 4,812,394, Cl. 435-6.000.
- Gray, John A.: *See—*
  - Waller, John E.; Gray, John A.; and Aston, David A., 4,810,405, Cl. 252-81.000.
- Gray, John C. Production of threaded metal rods for making U-bolts. 4,835,805, 6-6-89, Cl. 10-27.0UB.
- Gray, John C.: *See—*
  - Scott, George R.; Gray, John C.; and Scott, Eric M., 4,838,310, Cl. 137-624.140.
- Gray, John D., to Davidson Textron Inc. Method for forming shaped plastic shells. 4,851,177, 7-25-89, Cl. 264-297.600.
- Gray, John D.: *See—*
  - Brault, Alfred F.; and Gray, John D., 4,880,588, Cl. 264-163.000.
  - LaRoche, Wayne D.; and Gray, John D., 4,882,173, Cl. 425-130.000.
- Gray, John R., to Xerox Corporation. Sheet registration apparatus. 4,844,440, 7-4-89, Cl. 271-226.000.
- Gray, Joseph H.; Greenstreet, Mark R.; and Jorgensen, Lars M., to TRW Inc. Fast fourier transform architecture using hybrid n-bit-serial arithmetic. 4,868,776, 9-19-89, Cl. 364-726.000.
- Gray, Keith D.: *See—*
  - Gray, Billy H.; Gray, Keith D.; and Hanna, Robert G., 4,807,678, Cl. 144-371.000.
- Gray, Kenneth E., to United States of America, Energy. Superconducting transmission line particle detector. 4,873,482, 10-10-89, Cl. 324-71.400.
- Gray, Kenneth P., to Carrier Corporation. Method for belling and expanding coils. 4,815,185, 3-28-89, Cl. 29-157.30B.
- Gray, Kenneth P., to Carrier Corporation. Two stage impact beller. 4,843,860, 7-4-89, Cl. 72-318.000.
- Gray, Kenneth P., to Carrier Corporation. Method for tension expanding tubes. 4,858,296, 8-22-89, Cl. 29-157.30C.
- Gray, Kenneth P.; McDonough, Michael L.; Poplawski, Bruce J.; Gaffaney, Daniel P.; and Moyer, Ross A., to Carrier Corporation. Single station tension hairpin tube expander. 4,858,305, 8-22-89, Cl. 29-727.000.
- Gray, Kenneth P., to Carrier Corporation. Apparatus and method for manufacturing plate fin coils of different configurations. 4,876,779, 10-31-89, Cl. 29-157.30R.
- Gray, Kenneth W. Method for protecting sucker rod couplings from abrasion and corrosion. 4,823,456, 4-25-89, Cl. 29-458.000.
- Gray, Larry O.; and Lane, Wendell C., Jr., to Dana Corporation. Electronic system for monitoring clutch brake engagement and clutch slippage. 4,848,531, 7-18-89, Cl. 192-13.00R.
- Gray, Larry O., to Dana Corporation. Electronic vehicle speed control system having analog and digital memory circuits. 4,855,918, 8-8-89, Cl. 364-426.040.
- Gray, Larry O.: *See—*
  - Schneider, Jack H.; and Gray, Larry O., 4,856,072, Cl. 381-86.000.
- Gray, Michael J.; and Franco, Michael J., to Adaptive Video, Inc. Video interface for capturing an incoming video signal and reformatting the video signal. 4,872,054, 10-3-89, Cl. 358-140.000.
- Gray, Nigel; Knibbs, Simon; Finlay, Patrick A.; and Crocker, Robert L., to Fulmer Limited. Ultrasonic investigation apparatus. 4,870,970, 10-3-89, Cl. 128-660.090.
- Gray, Norman, to Aukland Group, Inc. Unitary preassembled disposable intra-oral rubber dam device. 4,828,491, 5-9-89, Cl. 433-136.000.
- Gray, Norman L. Fish catching device. 4,823,493, 4-25-89, Cl. 43-15.000.
- Gray, Patrick W.; and Rinderknecht, Ernst H., to Genentech, Inc. Recombinant gamma interferons having enhanced stability and methods therefor. 4,855,238, 8-8-89, Cl. 435-243.000.
- Gray, Paul B., to GA Technologies Inc. Oxidation-inhibited carbon-carbon composites. 4,795,677, 1-3-89, Cl. 428-246.000.
- Gray, Paul T.: *See—*
  - Turner, James A.; and Gray, Paul T., 4,830,709, Cl. 162-133.000.
- Gray, Peter V.; Baliga, Bantval J.; Chang, Mike F. S.; and Pifer, George C., to General Electric Company. Method of fabricating self aligned semiconductor devices. 4,883,767, 11-28-89, Cl. 437-41.000.
- Gray, R. William: *See—*
  - Duncan, Howard C., IV; Gray, R. William; and Battista, Joseph P., 4,797,855, Cl. 364-900.000.
  - Duncan, Howard C., IV; Adams, Donald T.; and Gray, R. William, 4,807,181, Cl. 364-900.000.
- Gray, Randall C., to Motorola, Inc. Voltage clamped differential to single ended converter circuit. 4,885,484, 12-5-89, Cl. 307-495.000.
- Gray, Randall C.: *See—*
  - Edwards, Arthur J.; and Gray, Randall C., 4,882,531, Cl. 322-60.000.
- Gray, Richard L.; and Cambridge, Vivien J., to Automated Decisions, Inc. Method for optimization of drilling costs. 4,845,628, 7-4-89, Cl. 364-420.000.
- Gray, Robert D.; and Gray, Thomas J., to Nu-C Products Inc. Sea food flavored food products. 4,888,181, 12-19-89, Cl. 426-643.000.
- Gray, Robert E.: *See—*
  - Gyenge, Michael; and Gray, Robert E., 4,844,467, Cl. 273-161.000.
- Gray, Roger L.: *See—*
  - Oxford, Colin G.; Parker, George C.; and Gray, Roger L., 4,822,154, Cl. 350-572.000.
- Gray, Ronald N.; and Butler, Raymond O., Jr., to General Motors Corporation. Solenoid for electric starters. 4,862,123, 8-29-89, Cl. 335-131.000.
- Gray, Steven M.: *See—*
  - Humphreys, Robert E.; and Gray, Steven M., 4,813,070, Cl. 379-213.000.
- Gray, Thelma, to Made with Love, Inc. Precut and partially assembled clothing. 4,882,788, 11-28-89, Cl. 2-243.00R.
- Gray, Thomas J.: *See—*
  - Gray, Robert D.; and Gray, Thomas J., 4,888,181, Cl. 426-643.000.
- Gray, Vernon D. Free floating fishhook setting device. 4,825,380, 5-2-89, Cl. 43-44.900.

- Gray, William M.; and Otteman, John H. Air brake compressor failure warning system. 4,853,689, 8-1-89, Cl. 340-453.000.
- Graybill, John K.: *See—*
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  - Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Graybill, John K.; and Lutz, Eugene G., 4,885,414, Cl. 570-130.000.
- Graycar, Joseph M., to Litton Systems, Inc. Electronically tuned dielectric resonator stabilized oscillator. 4,871,983, 10-3-89, Cl. 331-96.000.
- Grayline Housewares: *See—*
  - Cobb, Dean L.; and Bleser, Edward M., 4,840,279, Cl. 211-88.000.
  - Cobb, Dean L.; and Bleser, Edward M., 4,842,230, Cl. 248-225.200.
- Grayling Industries, Inc.: *See—*
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- Graymills Corporation: *See—*
  - Schmalz, Robert E., Jr.; Luedtke, Kenneth R.; and Owens, Timothy E., 4,817,649, Cl. 134-58.00R.
- Grayson, Fred G.; Miller, Warren H.; and Sturgis, James D., to Harris Corp. Space deployable domed solar concentrator with foldable panels and hinge therefor. 4,845,511, 7-4-89, Cl. 343-915.000.
- Grayson, Gerard; and Wong, Morton M., to Union Oil Co. of California. Chloride leaching of iron-based, heavy metal-containing sludges. 4,888,053, 12-19-89, Cl. 75-101.00R.
- Grayson, James L. Yacht tender/boarding vessel. 4,854,257, 8-8-89, Cl. 114-61.000.
- Grayson, Leslie E. Child protector and shopping basket aligner. 4,805,935, 2-21-89, Cl. 280-33.992.
- Grayson, Timothy P.: *See—*
  - Piatt, Michael J.; Maggart, Douglas S.; and Grayson, Timothy P., 4,847,633, Cl. 346-134.000.
- Grayzel, Joseph. Stiffened dilation balloon catheter device. 4,796,629, 1-10-89, Cl. 128-344.000.
- Grayzel, Joseph. Catheter with magnetic fixation. 4,809,713, 3-7-89, Cl. 128-785.000.
- Grayzel, Joseph. Diagonally tapered, bevelled tip introducing catheter and sheath and method for insertion. 4,850,960, 7-25-89, Cl. 604-53.000.
- Grayzel, Joseph. Valvuloplasty device with satellite expansion means. 4,878,495, 11-7-89, Cl. 128-344.000.
- Graziadei, Rinaldo; and Rossi, Giorgio, to SGS-Thomson Microelectronics s.r.l. Mixer dynamic control. 4,872,206, 10-3-89, Cl. 455-241.000.
- Graziano, Anthony: *See—*
  - Chu, Mosi; Graziano, Anthony; and Kress, Kenneth, 4,840,504, Cl. 400-213.000.
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  - Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,807,116, Cl. 364-200.000.
  - Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,817,091, Cl. 371-9.000.
- Graziano, Victor, to Motorola, Inc. Antenna beam boundary detector for preliminary handoff determination. 4,881,082, 11-14-89, Cl. 342-432.000.
- Graziello, Donadello, to Finchimica S.p.A. Process for purifying crude trifluralin. 4,874,895, 10-17-89, Cl. 564-437.000.
- Grazulis, John J.: *See—*
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  - Polanco, Domingo R.; Perez, Jose S.; Grazzina, Euler J.; and Marcano, Niomar, 4,824,439, Cl. 44-51.000.
- Greanias, Anthony C.; and Mercer, James B., to General Motors Corporation. Vacuum countergravity casting apparatus and method with backflow valve. 4,862,945, 9-5-89, Cl. 164-63.000.
- Greanias, Anthony C.: *See—*
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- Grease Genie, Inc.: *See—*
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- Great Lakes Carbon Corporation: *See—*
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- Great Lakes Chemical Corporation: *See—*
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  - Favstritsky, Nicolai A.; Termine, Enrico J.; and Borden, Dennis M., 4,829,118, Cl. 524-412.000.
  - Favstritsky, Nicolai A.; Nulph, Robert J.; and Borden, Dennis M., 4,831,072, Cl. 524-412.000.
  - Favstritsky, Nicolai A.; and Borden, Dennis M., 4,832,873, Cl. 252-601.000.
  - Favstritsky, Nicolai A., 4,886,915, Cl. 564-503.000.
  - Mamuzic, Rastko I.; and Bhattacharya, Bhabatosh, 4,835,322, Cl. 568-639.000.
  - Sanders, David C.; Sands, John L.; and Stahl, Joseph L., 4,879,353, Cl. 525-357.000.
  - Shin, Charles C.; Favstritsky, Nicolai A.; and Dadgar, Ahmad, 4,886,543, Cl. 71-88.000.
  - Termine, Enrico J.; Faystritsky, Nicolai A.; and Borden, Dennis M., 4,880,862, Cl. 524-373.000.
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- Great Lakes Orthodontics, Ltd.: *See—*
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- Great Northern Corporation: *See—*
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- Great Plains Industries, Inc.: *See—*
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  - Beaston, Brook J., 4,856,683, Cl. 222-318.000.
  - Hall, Robert E., 4,856,348, Cl. 73-861.780.
  - Laqua, Fred L., 4,859,155, Cl. 417-307.000.
- Great Wave Company, Inc., The: *See—*
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- Greatrake, Scott E.: *See—*
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- Greaves, Christopher I.: *See—*
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- Greaves, James R., to Metal Box plc. Pressurizable containers. 4,832,236, 5-23-89, Cl. 222-402.100.
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- Greb, Manfred; and Keuth, Rainer, to Barmag AG. Yarn texturing nozzle. 4,829,640, 5-16-89, Cl. 28-255.000.
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- Grebe, Robert K.; Lucius, John E.; and Szczesny, David S., to AMP Incorporated. Component-carrying adapter for chip carrier socket. 4,872,844, 10-10-89, Cl. 439-69.000.
- Grebe, Robert K.: *See—*
  - Bennett, Glenn E.; Daly, John Kevin; Grebe, Robert K.; and Lucius, John E., 4,887,976, Cl. 439-492.000.
- Grebenkin, Anatoly F.; Glagovsky, Boris A.; Moskovenko, Igor B.; and Lasukova, Ijudmila P., to Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Aljuminievoi, Magnievoi I Elektrodnoi. Method of nondestructive quality control of carbon articles. 4,872,344, 10-10-89, Cl. 73-579.000.
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- Grecksch, Ernst; and Schmidt, Helmut, to Siemens Aktiengesellschaft. Printed circuit board for external rotor motor with recess for Hall transducers. 4,806,808, 2-21-89, Cl. 310-71.000.
- Grecksch, Ernst: *See—*
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- Grecksch, Hans; Tholen, Leo; and Wey, Edmund, to W. Schlafhorst & Co. Bobbin winding machine. 4,801,108, 1-31-89, Cl. 242-35.50A.
- Grecksch, Hans; Bertrams, Josef; and Bucken, Rene, to W. Schlafhorst & Co. Reserve winding of yarn on a tube of a cross-wound bobbin and method and appartus of forming same. 4,878,629, 11-7-89, Cl. 242-18.0PW.
- Greco, Alberto; Cassar, Luigi; Costanzi, Silvestro; and Neri, Carlo, to Enichem Sintesi S.p.A. Organic polymer stabilization. 4,888,375, 12-19-89, Cl. 524-262.000.
- Greco, Alberto: *See—*
  - Licchelli, Maurizio; Greco, Alberto; and Lugli, Gabriele, 4,829,130, Cl. 525-384.000.
- Greco, Nancy A.: *See—*
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  - Brooks, Garth A.; and Greco, Nancy A., 4,867,838, Cl. 156-628.000.
- Greco, Ralph S.; Harvey, Richard A.; and Trooskin, Stanley Z., to University of Medicine and Dentistry of New Jersey. Drug bonded prosthesis and process for producing same. 4,879,135, 11-7-89, Cl. 427-2.000.
- Greco, Robert L., Jr., to Xerox Corporation. Electrostatographic machine with withdrawable copy paper module. 4,873,554, 10-10-89, Cl. 355-309.000.
- Greco, Vincent. Counterbalance spring retaining means for a roller door. 4,852,378, 8-1-89, Cl. 72-379.000.
- Greco, William J., Jr., to Sybron Chemicals, Inc. Electrically insulating fluids. 4,873,611, 10-10-89, Cl. 361-315.000.
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- Greebe, Frans, to Exxon Production Research Company. Method and apparatus for dividing a single stream of liquid and vapor into multiple streams having similar vapor to liquid rations. 4,800,921, 1-31-89, Cl. 137-561.00A.

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Green, Billy J., to Green, Inc. Method for producing monocalcium phosphate and products produced therefrom. 4,838,922, 6-13-89, Cl. 71-34.000.
Green, Carl C., Jr.; Welch, John D.; Hauser, Henry A.; and Frye, Diane R., to R. J. Reynolds Tobacco Company. Rods containing pelletized material. 4,862,905, 9-5-89, Cl. 131-84.100.
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Hirao, Yutaka; Takechi, Kazuo; Uriyu, Katuhiro; and Uemura, Yahiro, 4,876,088, Cl. 424-85.800.
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Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, 4,849,451, Cl. 514-530.000.
Scherer, Kirby V., Jr.; Ono, Taizo; Yamanouchi, Kouichi; and Yokoyama, Kazumasa, 4,868,318, Cl. 549-362.000.
Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.
Tanaka, Toshihiko; and Nishida, Masayuki, 4,816,409, Cl. 435-311.000.
Green, Curtis A. One-way breathing device. 4,797,105, 1-10-89, Cl. 434-265.000.
Green, David E.; and Percival, Albert, to Schering Agrochemicals Ltd. Fungicidal azole compounds. 4,824,469, 4-25-89, Cl. 71-76.000.
Green, David E.: *See—*
Parsons, John H.; Hunt, Russell G.; Leach, Susan E.; Buss, Anthony D.; Green, David E.; Mellor, Michael; and Percival, Albert, 4,853,400, Cl. 514-383.000.
Green, David J.: *See—*
Durda, Paul J.; Green, David J.; Stone, Marcia J.; and Vaccaro, Dennis E., 4,814,275, Cl. 435-240.270.
Green, David T.; and Sienkiewicz, Henry R., to United States Surgical Corporation. Surgical stapling instrument and cartridge. 4,802,614, 2-7-89, Cl. 227-19.000.
Green, David T., to United States Surgical Corporation. Surgical fastener cartridge. 4,819,853, 4-11-89, Cl. 227-19.000.
Green, David T., to United States Surgical Corporation. Staple cartridge and an anvilless surgical stapler. 4,821,939, 4-18-89, Cl. 227-19.000.
Green, David T.; and Aranyi, Ernie, to United States Surgical Corporation. Articulated surgical fastener applying apparatus. 4,869,414, 9-26-89, Cl. 227-19.000.
Green, David T.; and Aranyi, Ernest, to United States Surgical Corporation. Surgical stapler apparatus with improved tissue shield. 4,881,544, 11-21-89, Cl. 227-178.000.
Green, Dwight L.: *See—*
Levin, Mark R.; Nalley, William M.; and Green, Dwight L., 4,800,654, Cl. 34-97.000.
Green, Edmond: *See—*
Khalil, Gamal-Eddin; Gouterman, Martin P.; and Green, Edmond, 4,810,655, Cl. 436-138.000.
Green, Edward A.; and Stambaugh, Clayton S., to Taylor-Winfield Corporation, The. Hot heading plastic rivets by resistance heating. 4,841,121, 6-20-89, Cl. 249-243.000.
Green, Eugene L., Sr.; and Taylor, Jefferson H., to Wilson Engraving Company, Inc. Measurement of image area from stored pixel data. 4,800,287, 1-24-89, Cl. 250-560.000.
Green, F. Richard; and Kreimer, Charles C., to Pease Industries, Inc. Fire-resistant door. 4,888,918, 12-26-89, Cl. 49-501.000.
Green, Gary J., to Mobil Oil Corporation. Method and apparatus for determining phase transition temperature using laser attenuation. 4,804,274, 2-14-89, Cl. 374-17.000.
Green, Gary J.; Dryer, Frederick L.; and Walsh, Dennis E., to Mobil Oil Corporation. Droplet generating apparatus. 4,819,831, 4-11-89, Cl. 222-420.000.
Green, Gary J.; Huh, Billy K.; and Yan, Tsoung Y., to Mobil Oil Corporation. Catalytic cracking of hydrocarbons. 4,828,680, 5-9-89, Cl. 208-120.000.
Green, Gary J.; and Yan, Tsoung Y., to Mobil Oil Corporation. Apparatus and method for determining luminosity of hydrocarbon fuels. 4,865,444, 9-12-89, Cl. 356-36.000.
Green, Gary J.: *See—*
Yan, Tsoung Y.; and Green, Gary J., 4,851,374, Cl. 502-42.000.
Green, Gilbert L., Sr.: *See—*
Nelson, Jordan R.; Green, Gilbert L., Sr.; McCoy, Randall E.; and Williams, Richard, 4,819,489, Cl. 73-854.000.
Green, Glen R.: *See—*
MacMurray, Thomas A.; McComis, William T.; Boiarski, Anthony A.; Proffitt, James R.; and Green, Glen R., 4,839,181, Cl. 426-237.000.
Middleton, Philip N.; Green, Glen R.; and Girlock, Harry, 4,872,474, Cl. 137-493.800.
Green, Howard: *See—*
Barrandon, Yann; and Green, Howard, 4,888,291, Cl. 435-240.241.
Green, Howard H.; and Tomlinson, Christopher J., to Burroughs Corporation. Method of executing called activities via depictor-linked low level language microcode, hardware logic, and high level language commands; and apparatus for same. 4,862,351, 8-29-89, Cl. 364-200.000.
Green, Inc.: *See—*
Green, Billy J., 4,838,922, Cl. 71-34.000.
Green, Ivan L. Prophylaxis. 4,862,901, 9-5-89, Cl. 128-830.000.
Green, James. Deer stand. 4,811,803, 3-14-89, Cl. 180-7.500.
Green, James A.: *See—*
Cooper, Bruce C.; Erickson, Kenton L.; Green, James A.; and Nycz, David S., 4,867,119, Cl. 123-193.00P.
Green, James C.: *See—*
Eccles, Edward S.; and Green, James C., 4,869,998, Cl. 430-311.000.
Green, James G., to Photron Pty. Ltd. Hollow cathode assembly and lamp. 4,885,504, 12-5-89, Cl. 313-618.000.
Green, James G., Sr. Personal security device. 4,837,559, 6-6-89, Cl. 340-573.000.
Green, James P. Health food composition. 4,806,354, 2-21-89, Cl. 424-154.000.
Green, Jerome J., to Raytheon Company. Dielectric waveguide phase shifter. 4,818,963, 4-4-89, Cl. 333-24.100.
Green, Jerry M.: *See—*
Pardue, Von G.; May, William E.; and Green, Jerry M., 4,833,564, Cl. 361-93.000.
Green, John: *See—*
Else, Frederick A.; and Green, John, 4,862,774, Cl. 81-57.370.
Green, John R.: *See—*
Nelson, Leonard Y.; Green, John R.; and Wong, Carol W., 4,878,722, Cl. 350-96.200.
Green, John W.: *See—*
Miller, Thomas R.; Green, John W.; and Motz, Mark, 4,858,665, Cl. 144-380.000.
Green, Kenneth L. Air and fuel mixing devices for internal combustion engines. 4,872,440, 10-10-89, Cl. 123-590.000.
Green, Kenneth O., to Queen's University at Kingston. Over-center locking tool. 4,829,875, 5-16-89, Cl. 81-426.500.
Green, Kenneth P. Plant holder apparatus. 4,882,875, 11-28-89, Cl. 47-79.000.
Green, Kevin C.: *See—*
Aguillen, Domingo V., Jr.; Casares, Pete P.; DeForrest, John E.; Green, Kevin C.; Kavanagh, Rocque A.; Wilkinson, Bryan; Marks, Marc K.; and Zuniga, Gerardo, 4,796,347, Cl. 29-200.000.
Green Kleen International Inc.: *See—*
Nelson, James H., 4,817,647, Cl. 134-40.000.
Green, Larry A.: *See—*
Chu, Pochen; Green, Larry A.; and Landis, Michael E., 4,89[illegible], Cl. 502-242.000.
Green, Lloyd C., to Heat-Fab, Inc. Flue gas conduit connector. 4,874,191, 10-17-89, Cl. 285-332.300.

Green, Lyel A. Disposable underpants. 4,880,423, 11-14-89, Cl. 604-391.000.
Green, Martin L.; and Gross, Michal E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Metallization for integrated devices. 4,851,895, 7-25-89, Cl. 357-67.000.
Green, Martin R. Cosmetic composition. 4,832,946, 5-23-89, Cl. 424-70.000.
Green, Mary C.: *See—*
Funari, Joseph; Green, Mary C.; Reynolds, Scott D.; and Sammakia, Bahgat G., 4,849,856, Cl. 361-386.000.
Green, Melvin E.; and Motev, Efim, to American Screen Printing Equipment Company. Extruded print cylinder. 4,856,428, 8-15-89, Cl. 101-475.000.
Green, Michael C.: *See—*
Miram, George V.; Green, Michael C.; and Merdinian, George K., 4,873,468, Cl. 313-411.000.
Green, Michael D.: *See—*
Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,807,115, Cl. 364-200.000.
Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,817,091, Cl. 371-9.000.
Green, Michael J.: *See—*
Piwinski, John J.; Green, Michael J.; Ganguly, Ashit K.; Wong, Jesse K.; Katchen, Bernard; and Cramer, Jeffrey, 4,804,666, Cl. 514-278.000.
Piwinski, John J.; Ganguly, Ashit K.; Green, Michael J.; Villani, Frank J.; and Wong, Jesse, 4,826,853, Cl. 514-290.000.
Green, Michael R.: *See—*
Schammel, Wayne P.; and Green, Michael R., 4,845,274, Cl. 562-413.000.
Schammel, Wayne P.; and Green, Michael R., 4,845,275, Cl. 562-416.000.
Green, Mike: *See—*
Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, 4,815,100, Cl. 372-58.000.
Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, 4,846,440, Cl. 251-129.170.
Green, Milton J.; and Grennan, Timothy D. Reel seat structures for fishing rods. 4,860,484, 8-29-89, Cl. 43-22.000.
Green, Mino, to National Research Development Corporation. Oxide bronze materials. 4,824,222, 4-25-89, Cl. 350-357.000.
Green, Mino, to National Research Development Corp. Electrochromic data recording systems. 4,842,381, 6-27-89, Cl. 350-357.000.
Green, Monika J.; and Lias, Roger J., to Medisense, Inc. Electrochemical assay for haemoglobin. 4,876,205, 10-24-89, Cl. 436-66.000.
Green, Monika J.: *See—*
Hill, Hugh A. O.; and Green, Monika J., 4,820,636, Cl. 435-14.000.
Green, Morris H., to Tektronix, Inc. Method of providing information useful in identifying defects in electronic circuits. 4,855,670, 8-8-89, Cl. 324-73.00R.
Green, Morris H.: *See—*
Goodman, Allan L.; Green, Morris H.; Jolley, Matthew J.; Teitzel, Robin L.; and Wipfli, John L., 4,806,921, Cl. 340-747.000.
Green, Nancy L., to Data General Corporation. Database query code generation and optimization based on the cost of alternate access methods. 4,829,427, 5-9-89, Cl. 364-200.000.
Green, Patrick H. Composite panel structure. 4,879,152, 11-7-89, Cl. 428-73.000.
Green, Paul G.; and Gayne, Gregory C. Energy absorbing, rotatable, realignable, stationary base. 4,830,368, 5-16-89, Cl. 273-25.000.
Green, Peter F. Picture framing apparatus. 4,850,125, 7-25-89, Cl. 40-152.000.
Green, Philip S., to SRI International. Ultrasonic reflex transmission imaging method and apparatus with artifact removal. 4,862,892, 9-5-89, Cl. 128-660.070.
Green, Richard A.: *See—*
Nee, John D.; and Green, Richard A., 4,885,961, Cl. 81-55.000.
Green, Richard K., to Bristex Inc. Angled tip applicator. 4,887,924, 12-19-89, Cl. 401-261.000.
Green, Steven R.; De Muro, David M.; and Sokola, Raymond L., to Motorola, Inc. Multiple resonator dielectric filter. 4,829,274, 5-9-89, Cl. 333-202.000.
Green, T. David: *See—*
Plum, Thomas M.; and Green, T. David, 4,817,027, Cl. 364-732.000.
Green, Thomas J.: *See—*
Galloway, Terry R.; Green, Thomas J.; and Criswell, Dennis M., 4,863,702, Cl. 422-189.000.
Green, Wallace H.; and Potgieter, Leon N. D., to University of Tennessee Research Corporation, The. Vaccine against infectious bovine keratoconjunctivitis. 4,818,528, 4-4-89, Cl. 424-92.000.
Green, Wesley F., to University of Sydney. Antiallergenic agent. 4,806,526, 2-21-89, Cl. 514-23.000.
Green, William J.: *See—*
Hegedus, Charles R.; and Green, William J., 4,885,324, Cl. 524-204.000.
Green, William P., to Hattan, Mark, a part interest. Equalization of load in threaded connections. 4,842,464, 6-27-89, Cl. 411-307.000.
Green, William P.: *See—*
Hattan, Mark, 4,802,805, Cl. 411-263.000.
Hattan, Mark; and Dodge, Robert G., 4,856,198, Cl. 33-199.00R.
Greenawalt, Kent S. Pillow. 4,803,743, 2-14-89, Cl. 5-434.000.
Greenaway, David: *See—*
Niepolomski, Andrzej; and Greenaway, David, 4,870,260, Cl. 235-381.000.
Greenbaum, Bruce J.: *See—*
Hoffman, John N.; and Greenbaum, Bruce J., 4,880,266, Cl. 296-37.900.
Greenberg, Bert. Brassiere strap. 4,795,400, 1-3-89, Cl. 450-86.000.
Greenberg, Bert. Breast form. 4,828,559, 5-9-89, Cl. 623-7.000.
Greenberg, Burton L. Television program transmission verification method and apparatus. 4,805,020, 2-14-89, Cl. 358-147.000.
Greenberg, Craig B.: *See—*
Ovens, Kevin M.; Maxey, Jay A.; and Greenberg, Craig B., 4,800,296, Cl. 307-291.000.
Greenberg, Ilan. Variable-spray shower head. 4,796,815, 1-10-89, Cl. 239-477.000.
Greenberg, Ilan, to Plastro Gvat; and Agroteam Consultants Ltd. Water sprinkler. 4,805,838, 2-21-89, Cl. 239-222.170.
Greenberg, Julie: *See—*
Diamantstein, Menachem; Gran, Paul; Berinzon, Marian; Eckstien, Zvi; Gal, Uri; and Greenberg, Julie, 4,826,274, Cl. 350-96.160.
Greenberg, Michael D., to Hewlett-Packard Company. Active paper drop mechanism for a printer. 4,844,633, 7-4-89, Cl. 400-120.000.
Greenberg, Norman A.; Chandan, Ramesh C.; Deeslie, William D.; and Conolly, Daniel D., to General Mills, Inc. Low and non-fat frozen dairy desserts and method of preparation. 4,840,813, 6-20-89, Cl. 426-565.000.
Greenberg, Richard S.: *See—*
Batt, Douglas G.; Greenberg, Richard S.; and Harris, Richard R., 4,859,693, Cl. 514-397.000.
Greenberg, Robert; and Hanna, Emmanuel A., to Bobrick Washroom Equipment, Inc. Fluid dispenser valve with rolling diaphragm. 4,830,232, 5-16-89, Cl. 222-341.000.
Greenberg, Ronald A.: *See—*
Gallagher, Patrick E.; and Greenberg, Ronald A., 4,835,249, Cl. 528-353.000.
Greenberg, S. Elliot. Arm exercise device. 4,869,495, 9-26-89, Cl. 272-93.000.
Greenberg, Shelley A., to Beverly Hills Trading Company, Inc. Halogen spotlight assembly for ceiling fan. 4,796,166, 1-3-89, Cl. 362-96.000.
Greenberg, Stanley S.; Lis, Randall E.; Lumma, William C., Jr.; Nickisch, Klaus; and Wohl, Ronald A., to Schering A.G. 1-(4-Substituted phenyl)-1H-imidazoles compounds. 4,851,526, 7-25-89, Cl. 540-603.000.
Greenberg, William M.: *See—*
Goodman, Ronald D.; Greenberg, William M.; and Tausch, Peter J., 4,847,157, Cl. 428-426.000.
Greenblatt, Abraham. Musical ornament for celebrated occasions. 4,801,478, 1-31-89, Cl. 428-7.000.
Greenblatt, Stanley; Colman, Richard H.; and Spierer, Edward D., to Magnetic Analysis Corporation. Distance compensation in magnetic probe testing systems wherein object to probe spacing is employed as an exponent in excitings probes or processing probe outputs. 4,843,318, 6-27-89, Cl. 324-225.000.
Greenburg, Jonathan G. Universal wire lock. 4,834,571, 5-30-89, Cl. 403-214.000.
Greene, Arnold H.; and Holden, Harold E., to Micro-Radiographs, Inc. High precision photoreduction process and related apparatus. 4,849,794, 7-18-89, Cl. 355-75.000.
Greene, Barry N. Hanger holder. 4,824,156, 4-25-89, Cl. 294-142.000.
Greene, Benjamin F. Garden tiller with reciprocating tines. 4,811,794, 3-14-89, Cl. 172-43.000.
Greene, Benjamin I.; Tai, Kuochou; and Thakur, Mrinal, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical system including etalon for optically processing electromagnetic radiation at a repetition rate greater than about 1.25×10^{4} Hz. 4,871,235, 10-3-89, Cl. 350-354.000.
Greene, Carl B.; and Greene, Carl B., III, to New Bus Company, Inc., The. Vehicle body and body to frame mounting structure. 4,852,936, 8-1-89, Cl. 296-178.000.
Greene, Carl B., III: *See—*
Greene, Carl B.; and Greene, Carl B., III, 4,852,936, Cl. 296-178.000.
Greene, Carl C., Jr.; and Warden, Joseph H., to R. J. Reynolds Tobacco Company. Apparatus for applying liquid additives to a continuous, multifilament tow. 4,850,301, 7-25-89, Cl. 118-255.000.
Greene, David G., to Steelcase Inc. Programmable bed for machine tools and the like. 4,880,218, 11-14-89, Cl. 269-21.000.
Greene, Ernest. Apparatus and stimulus design for producing and evaluating binocular field effects in vision. 4,863,258, 9-5-89, Cl. 351-201.000.
Greene, Frank C.; Stiles, John I.; Neill, John D.; Anderson, Olin D.; and Litts, James C., to United States of America, Agriculture; and University of Hawaii, The. Yeast strains genetically engineered to produce wheat gluten proteins. 4,826,765, 5-2-89, Cl. 435-68.000.
Greene, Geoffrey L., to Technical Manufacturing Corporation. Noncontacting electro-pneumatic servo for vibration isolation. 4,850,261, 7-25-89, Cl. 91-362.000.
Greene, Guy S.; Gojny, Francis J.; and McGrath, Paul L., to Rohr Industries, Inc. Resistance weld joining of high electrical conductivity copper foil. 4,843,205, 6-27-89, Cl. 219-78.120.
Greene, H. Jack; Royer, Russell J.; Smidl, Robert L., Jr.; and Renkes, Scott D., to EDS Technologies Inc. Vehicle for delivering large cylindrical shaped loads and the like. 4,819,758, 4-11-89, Cl. 180-168.000.

- Greene, James E.; and Johnson, James H. Game ball setting apparatus. 4,887,821, 12-19-89, Cl. 273-411.000.
- Greene, James H. Wrist strap. 4,831,997, 5-23-89, Cl. 124-35.00A.
- Greene, James T.: *See—*
  - Edwards, Evan A.; Greene, James T.; and Mayo, Richard, 4,824,564, Cl. 210-232.000.
- Greene, John D.: *See—*
  - Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
- Greene, Jonathan W.: *See—*
  - El Gamal, Abbas A.; El-Ayat, Khaled A.; Greene, Jonathan W.; Guo, Ta-Pen R.; and Reyneri, Justin M., 4,873,459, Cl. 307-465.000.
- Greene, Lawrence D.: *See—*
  - McCall, Melvin D.; and Greene, Lawrence D., 4,865,368, Cl. 292-175.000.
- Greene, Leonard M., to Cream of Nutmeg Corporation. Nutmeg emulsion and process for making same. 4,832,974, 5-23-89, Cl. 426-651.000.
- Greene, Leonard M., to Safe Flight Instrument Corporation. Variable threshold wind shear warning system. 4,855,738, 8-8-89, Cl. 340-968.000.
- Greene, Leonard S.: *See—*
  - London, Norman H.; Greene, Leonard S.; and Falgoust, Lee J., 4,836,804, Cl. 439-598.000.
- Greene, Marc B. Shoulder belt adjuster. 4,799,737, 1-24-89, Cl. 297-468.000.
- Greene, Michael; and Michlin, Norman, to Michlin Diazo Products. Ventilating system for diazo process printing machines. 4,890,136, 12-26-89, Cl. 355-27.000.
- Greene, Monroe M., to Western Energy Company. Low rank coal or peat having impurities removed by a drying process. 4,810,258, 3-7-89, Cl. 44-33.000.
- Greene, Nathan D.: *See—*
  - Schultz, Richard H.; Wollen, Terry H.; Greene, Nathan D.; Brown, Karen K.; and Mozier, John O., 4,808,576, Cl. 514-54.000.
- Greene, Ralph J.: *See—*
  - Pischke, LaMonte D.; and Greene, Ralph J., 4,873,094, Cl. 426-43.000.
- Greene, Richard A.: *See—*
  - Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Poe, Robert P., Jr.; and Steece, William H., 4,831,696, Cl. 29-33.00M.
  - Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Poe, Robert P., Jr.; and Steece, William H., 4,873,762, Cl. 29-809.000.
- Greene, Richard F.: *See—*
  - Lessoff, Howard; and Greene, Richard F., 4,843,060, Cl. 505-1.000.
- Greene, Richard M., to Erosion Protection Devices, Incorporated. Wave abatement device. 4,877,349, 10-31-89, Cl. 405-27.000.
- Greene, Robin N.; and Figuly, Garret D., to Du Pont de Nemours, E. I., and Company. Elastomers. 4,810,770, 3-7-89, Cl. 528-289.000.
- Greene, Ronald D.: *See—*
  - Bennett, Stanley N.; Perry, James T.; and Greene, Ronald D., 4,852,794, Cl. 229-73.000.
- Greene, Sharon L.: *See—*
  - Morman, Michael T.; Greene, Sharon L.; Pazos, Jose F.; and Rodriguez, Augusto, 4,820,577, Cl. 428-228.000.
  - Pazos, Jose F.; Greene, Sharon L.; and Rodriguez, Augusto, 4,847,141, Cl. 428-226.000.
- Greene, Timothy R.; Oberlander, Jerry D.; Ostertag, Richard O.; and Vavra, Frank, to USX Corporation. Continuous caster breakout damage avoidance system. 4,809,766, 3-7-89, Cl. 164-151.000.
- Greene, Trace D.: *See—*
  - Kupferschmidt, Albert; Greene, Trace D.; and Jaycox, Donald F., 4,812,942, Cl. 361-119.000.
- Greene, Tweed & Co.: *See—*
  - Thoman, Richard A., Jr., 4,840,379, Cl. 277-222.000.
- Greene, William J., to Tennis Tutor, Inc. Hand carried battery powered ball throwing apparatus. 4,834,060, 5-30-89, Cl. 124-78.000.
- Greene, Wilton R. Spherical puzzle. 4,889,340, 12-26-89, Cl. 273-153.00S.
- Greenebaum, James E., II, to Pittway Corporation. Mounting cup. 4,813,576, 3-21-89, Cl. 222-394.000.
- Greenebaum, Michael: *See—*
  - Naiman, Charles S.; King, Marvin; and Greenebaum, Michael, 4,836,672, Cl. 356-5.000.
- Greenfield, Albert R.; and Greenfield, Jonathan I. Dispensing appliance for insertion and maintenance of catheters, tubes and other articles of therapy. 4,834,711, 5-30-89, Cl. 604-172.000.
- Greenfield, Jonathan I.: *See—*
  - Greenfield, Albert R.; and Greenfield, Jonathan I., 4,834,711, Cl. 604-172.000.
- Greenfield, Lawrence I.: *See—*
  - Gelfand, David H.; Greenfield, Lawrence I.; and Lawyer, Frances C., 4,830,962, Cl. 435-68.000.
- Greenfield, Mark S.; Stiffler, Stephen P.; and Evans, Raymond D., to Kennametal Inc. Butterfly-type shim having semi-opened bottom and double sandwich braze joint produced therewith. 4,817,743, 4-4-89, Cl. 175-411.000.
- Greenfield, Mark S.; and Conley, Edward V., to Kennametal Inc. Earth working tool having a working element fabricated from cemented tungsten carbide compositions with enhanced properties. 4,859,543, 8-22-89, Cl. 428-552.000.
- Greenfield, Mark S., to Kennametal Inc. Mining/construction tool bit having bit body fabricated from Mn-B steel alloy composition. 4,886,710, 12-12-89, Cl. 428-564.000.
- Greenfield, Raymond L.: *See—*
  - Goulette, Richard R.; Xavier, Stanilus K.; and Greenfield, Raymond L., 4,829,238, Cl. 324-95.000.
- Greenfield, S. Edmund. Processor memory element and a new computer architecture. 4,805,133, 2-14-89, Cl. 364-900.000.
- Greenfield, Walter, to Scientific Imaging Instruments, Inc. System for microscopically analyzing fluids. 4,804,267, 2-14-89, Cl. 356-335.000.
- Greengard, Paul: *See—*
  - Gandy, Samuel E.; and Greengard, Paul, 4,874,694, Cl. 435-15.000.
- Greengrass, Michael; and Allen, Anthony L. Controlled ripening of produce and fruits. 4,886,372, 12-12-89, Cl. 383-100.000.
- Greenhalgh, Geoffrey; Morris, Peter; Bearon, John N.; and Armbruster, Guenter, to Pilkington plc. Edge-encapsulated glazing module. 4,854,636, 8-8-89, Cl. 296-201.000.
- Greenhalgh, Geoffrey: *See—*
  - Herrington, Richard A.; Flaugher, Jeffrey R.; Borer, John W.; Woodward, Alan C.; and Greenhalgh, Geoffrey, 4,888,038, Cl. 65-114.000.
- Greenhalgh, Wilbur O.: *See—*
  - Allen, Charles R.; Greenhalgh, Wilbur O.; and Cowan, Richard G., 4,851,156, Cl. 252-629.000.
- Greenhall, Charles A., to United States of America, National Aeronautics and Space Administration. Apparatus for using a time interval counter to measure frequency stability. 4,843,328, 6-27-89, Cl. 324-78.00Z.
- Greenhouse, Eugene; and Durst, Richard E., to Perfect Products, Inc. Reconstituted banana confection product and method of making the same. 4,851,247, 7-25-89, Cl. 426-250.000.
- Greenhouse, Robert: *See—*
  - Muchowski, Joseph M.; Greenhouse, Robert; Young, John; and Murthy, D. V. Krishna, 4,833,155, Cl. 514-423.000.
  - Muchowski, Joseph M.; and Greenhouse, Robert, 4,873,340, Cl. 548-453.000.
- Greenhouse, Robert J.: *See—*
  - Muchowski, Joseph M.; Greenhouse, Robert J.; and Guzman, Angel, 4,803,269, Cl. 544-69.000.
- Greenhouse, Walter V. V.: *See—*
  - Buchanan, Michael S.; Davis, Gregory B.; and Greenhouse, Walter V. V., 4,839,393, Cl. 521-53.000.
- Greenhow, David, to Stelco Inc. Lifting hook. 4,810,016, 3-7-89, Cl. 294-67.210.
- Greenhut, Bart E., to Rosen, Leon D. Chart recorder. 4,884,084, 11-28-89, Cl. 346-136.000.
- Greenland, Darrell. Spirit level. 4,843,724, 7-4-89, Cl. 33-386.000.
- Greenland GmbH & Co. KG: *See—*
  - von Allwoerden, Wilhelm, 4,858,418, Cl. 56-15.500.
- Greenland, H.: *See—*
  - Warschewski, D.; and Greenland, H., 4,842,767, Cl. 252-525.000.
- Greenland, Harry: *See—*
  - Patel, Amrit; Schebece, Frank; and Greenland, Harry, 4,886,660, Cl. 424-70.000.
- Greenlay, Terrence: *See—*
  - Macikunas, Arunas; Haykin, Simon; and Greenlay, Terrence, 4,843,396, Cl. 342-7.000.
- Greenleaf Corporation: *See—*
  - Peters, Robert W., 4,794,665, Cl. 407-58.000.
- Greenleaf, Eugene F. Gravel shield for hitch travel trailer. 4,840,400, 6-20-89, Cl. 280-770.000.
- Greenleaf, James F.; and Ylitalo, Juha T., to Mayo Foundation for Medical Education and Research. Method for reducing artifacts in ultrasound backscatter tomography. 4,829,430, 5-9-89, Cl. 364-413.250.
- Greenlee, Donald R.; and Skinner, Willie C., Sr., to Dresser Industries, Inc. Apparatus for treating well bores. 4,856,583, 8-15-89, Cl. 166-127.000.
- Greenlee, Roy W.: *See—*
  - Bellos, Thomas J.; Greenlee, Roy W.; and Welge, Frederick T., 4,818,410, Cl. 210-639.000.
- Greenlee Textron Inc.: *See—*
  - Eley, David L., 4,823,057, Cl. 318-432.000.
  - Mead, Howard, 4,796,461, Cl. 72-453.160.
  - Plummer, Jeffrey J., 4,819,912, Cl. 254-266.000.
  - Riebock, William, 4,829,672, Cl. 30-123.000.
- Greenlee, Thomas W.: *See—*
  - Hannah, Steven L.; Williams, Maureen R.; and Greenlee, Thomas W., 4,798,879, Cl. 528-45.000.
- Greenlee, William J.; Hangauer, David G., Jr.; and Patchett, Arthur A., to Merck & Co., Inc. Carboxyalkyl urea compounds and derivatives thereof useful as angiotensin converting enzyme inhibitors and as antihypertensives. 4,866,087, 9-12-89, Cl. 514-414.000.
- Greenlee, William J.: *See—*
  - Patchett, Arthur A.; Greenlee, William J.; Parsons, William H.; and Chakravarty, Prasun K., 4,839,357, Cl. 514-235.800.
- Greenlese, Brady G.: *See—*
  - Smith, Michael W.; Steagall, Robert N., deceased; Banas, Mark D.; Chlebina, Lawrence E.; Greenlese, Brady G.; and Stokes, James D., 4,806,196, Cl. 156-422.000.
- Greenquist, Alfred C., to Miles Inc. Multizone analytical element having labeled reagent concentration zone. 4,806,311, 2-21-89, Cl. 422-56.000.
- Greenquist, Alfred C., to Miles Inc. Multizone analytical element having detectable signal concentrating zone. 4,806,312, 2-21-89, Cl. 422-56.000.
- Greenquist, Duane R.: *See—*
  - Hartley, Larry D.; and Greenquist, Duane R., 4,805,652, Cl. 134-159.000.

- Greensall, Douglas A.: *See—*
  - Simmonds, Raymond L.; and Greensall, Douglas A., 4,844,667, Cl. 407-104.000.
- Greenseth, William A.: *See—*
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- Greenslade, Joe E.: *See—*
  - Hardy, Raymond D.; and Greenslade, Joe E., 4,864,866, Cl. 73-831.000.
- Greenspan, Harvey P. Centrifuge device. 4,842,738, 6-27-89, Cl. 210-380.100.
- Greenspan, Jay S.: *See—*
  - Tower, Steven A.; and Greenspan, Jay S., 4,855,808, Cl. 357-74.000.
- Greenspan, Michael D.: *See—*
  - Alberts, Alfred W.; and Greenspan, Michael D., 4,873,260, Cl. 514-449.000.
- Greenstein, Bernard, to Motorola, Inc. Solder bonding with improved peel strength. 4,851,301, 7-25-89, Cl. 428-632.000.
- Greenstein, George M.: *See—*
  - Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.
- Greenstein, Michael: *See—*
  - Lee, Taikwang M.; Goodman, Joseph J.; Greenstein, Michael; and Borders, Donald B., 4,845,037, Cl. 435-252.100.
- Greenstreet, Mark R.: *See—*
  - Gray, Joseph H.; Greenstreet, Mark R.; and Jorgensen, Lars M., 4,868,776, Cl. 364-726.000.
- Greenwald, Henry: *See—*
  - Grof, Tibor, 4,867,981, Cl. 424-443.000.
- Greenwald Industries Inc.: *See—*
  - LiCausi, Anthony, 4,881,632, Cl. 194-350.000.
- Greenwald, Richard B.; Liu, Chung-Tsing; and McDonell, James A., to Ecolab Inc. Graft copolymers of a polyether moiety on a polycarboxylate backbone. 4,874,540, 10-17-89, Cl. 252-174.240.
- Greenwald, Shlomo: *See—*
  - Nation, John A.; and Greenwald, Shlomo, 4,835,446, Cl. 315-5.130.
- Greenward, Edward H., Sr. Method for beneficiating by carbonaceous refuse. 4,887,722, 12-19-89, Cl. 209-3.000.
- Greenway, John M. Caulking nozzle. 4,878,599, 11-7-89, Cl. 222-1.000.
- Greenway, Michael J.: *See—*
  - Orr, Norman A.; and Greenway, Michael J., 4,879,287, Cl. 514-171.000.
- Greenwell, Joseph D., to Jones, R. A. & Co. Inc. Automatic changeover for cartoners. 4,874,067, 10-17-89, Cl. 192-4.00R.
- Greenwold, Douglas J.; and Reinhold, Herbert E., Jr., to Survival Technology, Inc. Device for measuring multiple channels of heartbeat activity and encoding into a form suitable for simultaneous transmission over. 4,889,134, 12-26-89, Cl. 128-696.000.
- Greenwold, Douglas J.: *See—*
  - Reinhold, Herbert E., Jr.; and Greenwold, Douglas J., 4,862,896, Cl. 128-696.000.
- Greenwood, Alden T. Balanced buoyancy control diving gear. 4,872,783, 10-10-89, Cl. 405-186.000.
- Greenwood, Arthur R., to UOP Inc. Apparatus for regeneration of hydrocarbon conversion catalyst. 4,832,921, 5-23-89, Cl. 422-223.000.
- Greenwood, Darryl P.: *See—*
  - Rediker, Robert H.; Leonberger, Frederick J.; and Greenwood, Darryl P., 4,798,437, Cl. 350-96.140.
- Greenwood, David: *See—*
  - Baxter, Anthony G. W.; Bostock, Stephen B.; and Greenwood, David, 4,799,960, Cl. 106-22.000.
- Greenwood, Jeremy J., to Salplex Limited. Information handling and control systems. 4,839,530, 6-13-89, Cl. 307-10.100.
- Greenwood, John C., to STC PLC. Resonator device. 4,813,271, 3-21-89, Cl. 73-702.000.
- Greenwood, John C.; Graves, Peter W.; and Neat, Rosamund C., to STC PLC. Sensor device. 4,884,450, 12-5-89, Cl. 73-702.000.
- Greenwood, John E.: *See—*
  - Barnett, Clifford J.; Greenwood, John E.; and Holman, Earl V., 4,860,974, Cl. 244-158.00R.
- Greenwood, John M.: *See—*
  - Keister, Pamela P.; Mead, Ralph T.; Muffoletto, Barry C.; Takeuchi, Ester S.; Ebel, Steven J.; Zelinsky, Michael A.; and Greenwood, John M., 4,830,940, Cl. 429-194.000.
- Greenwood, Mark H.; and Sherman, Alan P., to Children On the Go, Inc. Inflatable booster seat. 4,836,605, 6-6-89, Cl. 297-250.000.
- Greenwood, Nick E., to Bally Manufacturing Corporation. Reconfigurable casino table game and gaming machine table. 4,813,675, 3-21-89, Cl. 273-138.00A.
- Greer, Charles W.: *See—*
  - Asbra, Martin R.; Asbra, Andrew F.; Bovis, Nicholas J.; and Greer, Charles W., 4,852,600, Cl. 137-38.000.
- Greer, Dale R.: *See—*
  - Dewar, Robert; and Greer, Dale R., 4,841,460, Cl. 364-571.020.
- Greer, John, to Pratt & Whitney Canada, Inc. Method and apparatus for manufacturing compliant brush seals. 4,884,850, 12-5-89, Cl. 300-21.000.
- Greer, Larry J., to Allied Gear and Machine Co., Inc. Rotary die lateral adjustment bearing block assembly. 4,859,087, 8-22-89, Cl. 384-255.000.
- Greer, Lonny R.: *See—*
  - Romey, Russell P.; and Greer, Lonny R., 4,835,971, Cl. 60-740.000.
- Greer, Michael E.: *See—*
  - DesNoyers, Daniel P.; Greer, Michael E.; and Aguallo, Albert J., 4,843,746, Cl. 40-607.000.
- Greer, S. Thomas: *See—*
  - Korenkiewicz, Stephen M.; Olson, Kurt G.; Boberski, William G.; Das, Suryya K.; Greer, S. Thomas; and Zaleski, Raymond E., 4,844,952, Cl. 427-258.000.
  - Leathers, Amy Z.; and Greer, S. Thomas, 4,806,263, Cl. 252-106.000.
- Greer, Stuart E.; and Howard, Robert T., Jr., to International Business Machines Corporation. Lift-off process for terminal metals. 4,861,425, 8-29-89, Cl. 156-644.000.
- Greer, W. T., Jr.; and Laczko, Frank L., to Texas Instruments Incorporated. Writable logic array. 4,796,229, 1-3-89, Cl. 365-189.000.
- Greever, Richard G.: *See—*
  - Clark, Mark E.; Greever, Richard G.; Schmier, Larry J.; and Wong, Jerome D., 4,881,230, Cl. 371-20.100.
- Greeves, Godfrey; and Fry, Robert J., to Lucas Industries Public Limited Company. Fuel injection nozzle. 4,872,614, 10-10-89, Cl. 239-533.900.
- Greeves, Godfrey; Potter, James C.; Andrews, Richard J.; and Harris, Kenneth M., to Lucas Industries Public Limited Company. Fuel pumping apparatus. 4,874,301, 10-17-89, Cl. 417-462.000.
- Greeves, Godfrey: *See—*
  - Andrews, Richard J.; and Greeves, Godfrey, 4,848,668, Cl. 239-533.500.
- Greff, Jurgen: *See—*
  - Buch, Elmar; Greff, Jurgen; Marzinkewitsch, Rene ; and Vogelgesang, Herbert, 4,807,458, Cl. 72-235.000.
- Greffet, Jean-Jacques: *See—*
  - Berthet, Olivier; Greffet, Jean-Jacques; and Denayrolles, Yves, 4,799,788, Cl. 356-45.000.
- Greffioz, Andre: *See—*
  - Tillement, Pierre; and Greffioz, Andre, 4,842,684, Cl. 156-538.000.
- Greg di S. Greganti & C. S.a.s.: *See—*
  - Dal Cero, Giovanni, 4,804,808, Cl. 200-61.250.
- Grega nee Toth, Erzsebet: *See—*
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  - Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
  - Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.
  - Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
- Grege, Hans-Joachim: *See—*
  - Bansemir, Klaus; and Grege, Hans-Joachim, 4,847,197, Cl. 435-32.000.
- Greger, Horst: *See—*
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- Gregerson, Barry; Dressen, Larry; and Mortensen, Roger L., to Empak, Inc. Disk package. 4,817,799, 4-4-89, Cl. 206-445.000.
- Gregerson, Barry, to Empak, Inc. Data storage container. 4,838,422, 6-13-89, Cl. 206-444.000.
- Gregerson, Barry; and Dressen, Larry, to Empak, Inc. Security package with rotatable locking channel. 4,865,190, 9-12-89, Cl. 206-309.000.
- Gregerson, Glen M.; Lunenschloss, John T.; Ebbott, Henry M.; and Beckeman, Raymond A., to Air-Lec Industries, Inc. Vehicle restraint. 4,887,954, 12-19-89, Cl. 414-401.000.
- Gregg, Charles T.: *See—*
  - Salzman, Gary C.; Gregg, Charles T.; Grace, W. Kevin; and Hiebert, Richard D., 4,884,886, Cl. 356-367.000.
- Gregg, Daniel L.: *See—*
  - Fascenda, Anthony C.; and Gregg, Daniel L., 4,845,491, Cl. 340-825.440.
- Gregg, David P., to Discovision Associates. Video record disc. 4,819,223, 4-4-89, Cl. 369-275.000.
- Gregg Foods of Portland, Inc.: *See—*
  - Lowery, Arthur N., 4,869,919, Cl. 426-604.000.
- Gregg, John A., to PepsiCo Inc. Syrup batching loop. 4,857,355, 8-15-89, Cl. 426-590.000.
- Gregg, Robert D., III: *See—*
  - Henne, Preston A.; and Gregg, Robert D., III, 4,858,852, Cl. 244-35.00R.
- Gregg, Ron. Cap. 4,845,782, 7-11-89, Cl. 2-172.000.
- Gregg, Thomas A.: *See—*
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- Greggains, James H.: *See—*
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Greggs, Thomas S., to Denneer Corporation. Article for cosmetic restoration of anterior teeth. 4,822,279, 4-18-89, Cl. 433-202.100.

Grego, Giorgio, to Cselt-Centro Studi e Laboratori Telecomunicazioni S.p.A. Method of measuring viscosity of a body. 4,830,512, 5-16-89, Cl. 374-54.000.

Grego, Giorgio, to CSELT - Centro Studi e Laboratori Telecomunicazioni S.P.A. Distributed temperature sensor with optical-fiber sensing element. 4,830,513, 5-16-89, Cl. 374-131.000.

Gregoire, Jean-Pierre: *See—*
- Krasuski, Marek; Gregoire, Jean-Pierre; and Gerbaud, Claude, 4,840,696, Cl. 156-353.000.

Gregoire, Renaud. Reading apparatus. 4,801,120, 1-31-89, Cl. 248-441.100.

Gregoli, A. A.; Oko, Uriel M.; and Leder, Frederic, to Cities Service Oil and Gas Corporation. Process for converting heavy crudes, tars, and bitumens to lighter products in the presence of brine at supercritical conditions. 4,818,370, 4-4-89, Cl. 208-106.000.

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- Kahan, Osher; and Gregor, Eduard, 4,848,881, Cl. 350-400.000.

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Gregorio, Guglielmo; Calini, Pierangelo; and Guglielmo, Giorgio, to Ausimont S.p.A. Bromofluoroethylhypofluorite and process for its preparation. 4,816,599, 3-28-89, Cl. 560-300.000.

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- Paparatto, Giuseppe; and Gregorio, Guglielmo, 4,857,295, Cl. 423-502.000.

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- Gerold, Charles; and Gregorio, John, 4,797,056, Cl. 414-467.000.

Gregory, Brent A., to General Electric Company. Curvilinear turbine airfoil. 4,826,400, 5-2-89, Cl. 415-181.000.

Gregory, Charles. Hot gas defrost system for refrigeration systems and apparatus therefor. 4,798,058, 1-17-89, Cl. 62-278.000.

Gregory, Charles. Hot gas defrost system for refrigeration systems and apparatus therefor. 4,802,339, 2-7-89, Cl. 62-196.400.

Gregory, Charles W.: *See—*
- Anderson, Donald W.; and Gregory, Charles W., 4,857,851, Cl. 324-326.000.

Gregory, Harold; and McCullagh, Keith G., to G. D. Searle & Co. Duodenal and gastric ulcer treatment with oral urogastrone. 4,820,690, 4-11-89, Cl. 514-12.000.

Gregory, Jimmie E. Barrel vibration dampening device for rifles. 4,864,761, 9-12-89, Cl. 42-75.010.

Gregory, John D.: *See—*
- Fillit, Howard; Damle, Shridhar P.; Zabriskie, John; and Gregory, John D., 4,849,339, Cl. 435-7.000.

Gregory, John S. Through-door viewing device. 4,869,021, 9-26-89, Cl. 49-171.000.

Gregory, Joseph A.; and Schaum, David L., to International Business Machines Corporation. Tilt/swivel display base. 4,877,204, 10-31-89, Cl. 248-298.000.

Gregory, M. Duane, to Conoco Inc. Cosurfactant enhanced alkaline flooding in an anhydrite formation. 4,862,963, 9-5-89, Cl. 166-270.000.

Gregory, Peter; and Bradbury, Roy, to Imperial Chemical Industries PLC. Thermal transfer printing. 4,808,568, 2-28-89, Cl. 503-227.000.

Gregory, Peter, to Imperial Chemical Industries PLC. Thermal transfer printing sheet and process. 4,824,437, 4-25-89, Cl. 8-471.000.

Gregory, Peter; and Hann, Richard A., to Imperial Chemical Industries PLC. Thermal transfer printing. 4,829,048, 5-9-89, Cl. 503-227.000.

Gregory, Peter; Bradbury, Roy; and Meyrick, Barry H., to Imperial Chemical Industries PLC. Thermal transfer printing. 4,859,651, 8-22-89, Cl. 503-227.000.

Gregory, Peter G. G. Chair member. 4,889,387, 12-26-89, Cl. 297-458.000.

Gregory, Richard V.; and McBride, Daniel T., to Milliken Research Corporation. Process for pattern dyeing of textile materials. 4,808,191, 2-28-89, Cl. 8-478.000.

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Gregory, Stephen; and Rogers, Charles T., Jr., to Bell Communications Research, Inc. High speed scanning tunneling microscope. 4,814,622, 3-21-89, Cl. 250-306.000.

Gregory, Steven D.; and Holler, Joseph R. Moisture control system for a foundation. 4,878,781, 11-7-89, Cl. 405-52.000.

Gregory, Thomas D., to Dow Chemical Company, The. High purity alkaline earths via electrodeposition. 4,801,363, 1-31-89, Cl. 204-58.500.

Gregory, Thomas D., to Dow Chemical Company, The. Alkaline earth metal compounds and alkali metal substances via electrochemical process. 4,808,282, 2-28-89, Cl. 204-58.500.

Gregory, Vernon C., to Akzo America Inc. Metal substrated printed circuit. 4,858,073, 8-15-89, Cl. 361-388.000.

Gregory, William D., to Diotec Trust, Trustees of the. Frequency dependent identification of materials. 4,881,025, 11-14-89, Cl. 324-61.00R.

Gregory, William D., Jr.: *See—*
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Gregson, Richard P.; and McInerney, Bernard V., to Biotechnology Australia Pty. Ltd. Xenocoumacins. 4,837,222, 6-6-89, Cl. 514-422.000.

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Greiche, Joussef; Hartmann, Peter; and Kohler, Joachim, to Wella Aktiengesellschaft. Method of shaping human hair using dipropylene glycol monomethyl ether. 4,859,459, 8-22-89, Cl. 424-71.000.

Greif, Averell. Deodorizer container. 4,813,344, 3-21-89, Cl. 98-2.110.

Greif Bros. Corporation: *See—*
- Hale, James A., 4,852,792, Cl. 229-5.500.

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- Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,807,116, Cl. 364-200.000.
- Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,817,091, Cl. 371-9.000.

Greig, Donald G.; and Bonneau, Edward L., III, to Nouevelle Ice Cream Corporation. Non-fat dairy compositions. 4,874,627, 10-17-89, Cl. 426-565.000.

Greig, Nigel H.; Sweeney, Daniel J.; and Rapoport, Stanley I., to United States of America, Health and Human Services. Enhancing drug delivery to the brain. 4,835,182, 5-30-89, Cl. 514-538.000.

Greig, Randall K. Chip snake. 4,881,856, 11-21-89, Cl. 406-134.000.

Greig, Walter G., to Moore Business Forms, Inc. Multiple copy note pad. 4,798,401, 1-17-89, Cl. 282-9.00R.

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- Kuerschner, Michael; Juergens, Gunter; and Greiner, Albrecht, 4,811,224, Cl. 364-424.100.

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- Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.

Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, to Robert Bosch GmbH. Electromagnetically actuatable fuel injection valve. 4,795,097, 1-3-89, Cl. 239-585.000.

Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, to Robert Bosch GmbH. Electromagnetically actuatable fuel injection valve. 4,807,846, 2-28-89, Cl. 251-129.150.

Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, to Robert Bosch GmbH. Electromagnetically actuatable fuel injection valve. 4,813,599, 3-21-89, Cl. 239-456.000.

Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, to Robert Bosch GmbH. Fuel injection valve. 4,826,082, 5-2-89, Cl. 239-113.000.

Greiner, Reuben U. Thickness measuring device for insulating glass. 4,848,913, 7-18-89, Cl. 356-382.000.

Greiner, Siegfried M.: *See—*
- Fendley, James R.; and Greiner, Siegfried M., 4,866,334, Cl. 313-407.000.

Greiner, Walter: *See—*
- Joseph, Johannes; Bleicher, Maximilian; and Greiner, Walter, 4,800,381, Cl. 340-764.000.

Greipp, Philip R.: *See—*
- Evans, Elizabeth L.; Gonchoroff, Nick J.; Greipp, Philip R.; Houck, David W.; Katzmann, Jerry A.; Kyle, Robert A.; and Loken, Michael R., 4,885,237, Cl. 435-6.000.

Greis, Ingemar, to ABB Stal AB. Method of cooling bed material from a fluidized bed and a power plant with cooling means for bed material. 4,852,345, 8-1-89, Cl. 60-39.464.

Greischel, Andreas: *See—*
- Brickl, Rolf; Schepky, Gottfried; Rupprecht, Eckhard; and Greischel, Andreas, 4,873,080, Cl. 424-80.000.
- Schepky, Gottfried; Brickl, Rolf; Rupprecht, Eckhard; and Greischel, Andreas, 4,863,724, Cl. 424-80.000.

Greisel, Josef: *See—*
- Karl, Veit-Holger; Mahler, Franz; and Greisel, Josef, 4,836,744, Cl. 425-72.100.

Greisner, Paul, to Aug. Winkhaus GmbH & Co. KG. Window including a casement frame pivoted to a stationary frame and a locking device for the casement frame mounted on the stationary frame. 4,803,808, 2-14-89, Cl. 49-394.000.

Greither, Otto; and Brunner, Peter, to Salus-Haus Dr. Med. Otto Greither Inhaber Otto Greither. Composition and process for the production of a mixture for a tea drink with fruit flavor. 4,851,252, 7-25-89, Cl. 426-599.000.

Greive, Michael: *See—*
- Stocton, Paul M.; Greive, Michael; and Glocker, Raymond, 4,796,696, Cl. 165-169.000.

Greko, John C.: *See—*
- Nichols, Wayne G.; Greko, John C.; and Laurion, Francis R., 4,848,045, Cl. 52-60.000.

Grell, Karl-Ludwig, to INA Walzlager Schaeffler KG. Method of making roller bearing element and product therefrom. 4,888,065, 12-19-89, Cl. 148-16.500.

Grell, Wolfgang: *See—*
- Reiffen, Manfred; Hurnaus, Rudolf; Sauter, Robert; Grell, Wolfgang; and Rupprecht, Eckhard, 4,886,814, Cl. 514-326.000.

Grellmann, Heinz E.; and Roland, Leonard A., to Tektronix, Inc. integrated pad switch. 4,831,222, 5-16-89, Cl. 200-257.000.

Grellner, Wolfgang: *See—*
- Schwetz, Karl-Alexander; Grellner, Wolfgang; Hunold, Klaus; Mohr, Max; and Lipp, Alfred, 4,803,183, Cl. 501-96.000.

Gremmelmaier, Claude: *See—*
- Aebli, Beat M.; and Gremmelmaier, Claude, 4,886,887, Cl. 548-490.000.

Grendahl, Dennis T. Cylindrically segmented zone of focus artificial lens. 4,795,462, 1-3-89, Cl. 623-6.000.

Grendahl, Dennis T. Laminated zone of focus artificial lens. 4,798,608, 1-17-89, Cl. 623-6.000.

Grendahl, Dennis T. Radially segmented zone of focus artificial lens. 4,798,609, 1-17-89, Cl. 623-6.000.

Grendahl, Dennis T.: *See—*
- Milligan, Russ, 4,843,209, Cl. 219-121.630.
- Tiffany, John, 4,872,877, Cl. 623-6.000.
- Tiffany, John S., 4,872,878, Cl. 623-6.000.

Grendol, Clark L.; and Philla, Arlene J., to American Optical Corporation. Protective eyewear with removable nosepiece and corrective spectacle. 4,810,080, 3-7-89, Cl. 351-41.000.

Grendol, Clark L., to American Optical Corporation. Spectacle frame with lockable custom fitting nosepiece. 4,848,893, 7-18-89, Cl. 351-138.000.

Grenfell, Julian P., to Sale Tilney Technology PLC. Electrostatic coating blade and method of applying a thin layer of liquid therewith onto an object. 4,830,872, 5-16-89, Cl. 427-30.000.

Grenier, Claude A., to Zippertubing Co., The. Heat insulating jacket with snap-lock seam. 4,850,397, 7-25-89, Cl. 138-149.000.

Grenier, Gerard, to Commissariat a l'Energie Atomique. Apparatus for the detection of E. G explosive substances. 4,882,121, 11-21-89, Cl. 376-159.000.

Grenier, Maurice; and Petit, Pierre, to L'air Liquide, Societe Anonyme Pour L'etude et L'exploitation des Procedes Georges Claude. Ozone-producing plant. 4,863,497, 9-5-89, Cl. 55-181.000.

Grennan, Timothy D.: *See—*
- Green, Milton J.; and Grennan, Timothy D., 4,860,484, Cl. 43-22.000.

Grenner, Gerd: *See—*
- Friesen, Heinz-Jurgen; Grenner, Gerd; Pauly, Hans-Erwin; Kohl, Helmut; Habenstein, Klaus; and Stark, Joseph, 4,861,711, Cl. 436-7.000.

Grenouillet, Pierre; Neibecker, Denis; and Tkatchenko, Igor, to Rhone-Poulenc Chimie. Catalytic (co)dimerization of alkyl acrylates. 4,889,949, 12-26-89, Cl. 560-202.000.

Grenz, Guenter: *See—*
- Berz, Gerhard; Braun, Hans J.; and Grenz, Guenter, 4,869,437, Cl. 242-83.000.

Grenz, Gunter: *See—*
- Braun, Hans J.; Grenz, Gunter; and Berz, Gerhard, 4,869,438, Cl. 242-83.000.

Grenzebach, Hans, to Friedrich Mortl Schleppergerate Bau GmbH & Co. Separating device for reapers with cutter plates driven to rotate about vertical axes. 4,881,364, 11-21-89, Cl. 56-314.000.

Grenzendoerfer, Dietmar: *See—*
- Taeler, Guenter; Wiendenhoeft, Klaus; Schultheiss, Michael; Schoenfuss, Martin; Ludwig, Theo; Huster, Klaus; and Grenzendoerfer, Dietmar, 4,852,370, Cl. 66-203.000.

Grenzendorfer, Dietmar: *See—*
- Frenzel, Bertram; Grenzendorfer, Dietmar; Kemter, Heinz; Wuensch, Wolfgang; and Zeisberg, Peter, 4,841,747, Cl. 66-84.00A.
- Frenzel, Bertram; Grenzendorfer, Dietmar; Kemter, Heinz; Wunsch, Wolfgang; and Zeisberg, Peter, 4,873,844, Cl. 66-84.00A.

Gresch, Heinrich: *See—*
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,802,573, Cl. 201-39.000.
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Burggraf, Peter, 4,875,406, Cl. 98-2.010.
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Rump, Hanns, 4,882,287, Cl. 436-149.000.
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,886,000, Cl. 110-345.000.
- Jorzyk, Sigurd; Scholl, Gerhard; Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,885,011, Cl. 55-242.000.

Greschke, Manfred: *See—*
- Reim, Ingeborg; Pohl, Gerhard; Gotzke, Wolfgang; Wahnberger, Dieter; Postel, Lothar; Kindlein, Irmgard; Vatter, Rudolf; and Greschke, Manfred, 4,794,678, Cl. 28-107.000.

Greschner, Johann; Schwerdt, Friedrich W.; and Trumpp, Hans J., to International Business Machines Corporation. Synthetic substrate with adhesive metal layer. 4,857,383, 8-15-89, Cl. 428-156.000.

Greschner, Johann: *See—*
- Bayer, Thomas; Elsasser, Michael; Greschner, Johann; Schmid, Heinrich; Stohr, Roland; Wolter, Olaf; and Wittlinger, Jurgen, 4,843,315, Cl. 324-158.00P.
- Duerig, Urs T.; Gimewski, James K.; Greschner, Johann; Pohl, Wolfgang D.; and Wolter, Olaf, 4,806,755, Cl. 250-306.000.
- Wittlinger, Jurgen; Greschner, Johann; Bayer, Thomas; and Bartha, Johann W., 4,871,418, Cl. 156-643.000.

Gresens, Barry, to Bruckner Trockentechnik GmbH & Co. KG. Apparatus for the heat treatment of a length of continuously moving material. 4,854,862, 8-8-89, Cl. 432-59.000.

Gresens, Eugene O.: *See—*
- Fitzgerald, Robert M.; and Gresens, Eugene O., 4,867,208, Cl. 141-18.000.

Gresens, Harry, to Bruckner Trockentechnik GmbH & Co KG. Method of heat treatment of a length of material in a tentering machine. 4,829,680, 5-16-89, Cl. 34-31.000.

Gresens, Harry; and Muller, Jorg, to Bruckner Trockentechnik GmbH & Co. KG. Material store for the through transport of a length of textile material. 4,846,386, 7-11-89, Cl. 226-118.000.

Gresens, Stanley T.; and Chap, John P., to Selfix, Inc. Article retaining fixture with supporting structure. 4,826,119, 5-2-89, Cl. 248-223.300.

Gresham, Gerald L. Tie down apparatus for wheelchair. 4,886,403, 12-12-89, Cl. 410-10.000.

Gresham, Jack: *See—*
- Wallin, Roger W.; and Gresham, Jack, 4,867,364, Cl. 227-7.000.

Gresko, Lawrence S.: *See—*
- Wakugawa, Jason M.; Gresko, Lawrence S.; and Brown, Kenneth M., 4,856,887, Cl. 350-641.000.

Greskovich, Charles D.: *See—*
- Cueman, Michael K.; Trzaskos, Casmir R.; Thomas, Lewis J., III; and Greskovich, Charles D., 4,870,279, Cl. 250-368.000.

Gress, H. Stephen: *See—*
- Patino, Hugo; Heard, George E.; Knudsen, Finn B.; and Gress, H. Stephen, 4,885,184, Cl. 426-592.000.

Gress, Paul W.; and Wesebaum, Paul E., to Emerson Electric Co. Drive bar attachment for threading machines. 4,811,639, 3-14-89, Cl. 82-110.000.

Gress, Wolfgang: *See—*
- Fischer, Herbert; Wegemund, Bernd; Gress, Wolfgang; and Gorzinski, Manfred, 4,859,746, Cl. 525-293.000.

Gressel, Jonathan; Aviv, Dvora; and Perl, Avihai, to Development Co., Ltd. Methods of producing herbicide resistant plant varieties and plants produced thereby. 4,795,705, 1-3-89, Cl. 435-172.200.

Gressel, Philip D.; Roehrs, Robert E.; Ubels, John L.; and Edelhauser, Henry F. Topical ophthalmic compositions containing one or more retinoids. 4,826,871, 5-2-89, Cl. 514-438.000.

Gressly, Andre : *See—*
- von Arb, Hans-Peter; Durr, Ulrich; Gressly, Andre ; and Studer, Franz, 4,881,233, Cl. 372-35.000.

Gretag Aktiengesellschaft: *See—*
- Mast, Fred; and Knus, Jean A., 4,865,456, Cl. 356-446.000.

Greten, Berndt; and Seeger, Gunter, to Bison-Werke Baehre & Greten GmbH & Co. KG. Continuously operating press. 4,850,848, 7-25-89, Cl. 425-371.000.

Greten GmbH & Co. KG: *See—*
- Bartling, Werner; and Jagode, Fritz H., 4,888,884, Cl. 34-32.000.

Grethe, Horst: *See—*
- Panster, Peter; Grethe, Horst, and Kleinschmit, Peter, 4,855,470, Cl. 556-421.000.

Grethlein, Hans E.: *See—*
- Converse, Alvin O.; Grethlein, Hans E.; and Holland, Joseph E., 4,818,295, Cl. 127-1.000.

Gretsch, Ralf, to Siemens Aktiengesellschaft. Method and apparatus for measuring the resistance of the winding of a converter-fed single- or three phase machine during operation. 4,829,234, 5-9-89, Cl. 324-62.000.

Gretter, Steven R., to Eastman Kodak Company. Printing apparatus with improved data formatting circuitry. 4,882,686, 11-21-89, Cl. 364-518.000.

Gretzinger, Klaus; and Wombacher, Erich, to Leybold Aktiengesellschaft. Device for inserting and removing the sample in an analysis oven. 4,852,414, 8-1-89, Cl. 73-864.850.
Greub, Bruno A., to System Schultheis AG. Storage installation. 4,887,953, 12-19-89, Cl. 414-331.000.
Greub, Hans J., to Tektronix, Inc. Multiple port random access memory. 4,833,649, 5-23-89, Cl. 365-189.060.
Greub, Hans J., to Tektronix, Inc. Apparatus for skew compensating signals. 4,833,695, 5-23-89, Cl. 375-118.000.
Greulich, Gregg A., to Whirlpool Corporation. Vacuum cleaner with shielded electronic control module. 4,817,234, 4-4-89, Cl. 15-339.000.
Greulich, Walter; Gut, Karl; Hornung, Klaus; and Schulte, Guther, to Georg Fischer Aktiengesellschaft. Compound camshaft and method of manufacturing the same. 4,798,178, 1-17-89, Cl. 123-90.600.
Greulich, Walter: *See—*
  Toelke, Peter; and Greulich, Walter, 4,881,680, Cl. 228-182.000.
Greune, Christian; and Holzhauer, Hilbert, to MTU Motoren- und Turbinen-Union Munchen GmbH. Adjusting mechanism for guide blades of turbo-propulsion units. 4,810,165, 3-7-89, Cl. 415-156.000.
Greune, Christian, to Motoren-Und Turbinen-Union Munchen GmbH. Apparatus for the production by powder metallurgy of a section of a header pipe of a heat exchanger. 4,867,412, 9-19-89, Cl. 249-83.000.
Greune, Christian, to MTU Motoren- und Turbinen-Union Munchen GmbH. Mounting for a sealing ring. 4,880,244, 11-14-89, Cl. 277-174.000.
Greunwald, Theodor; and Katz, Yeshayahu. Adaptor to endotracheal tube. 4,821,710, 4-18-89, Cl. 128-207.140.
Greutert, Albert; and Gasser, Ruedi, to Maxs AG. Plastic frame with embedded shearing foil. 4,872,266, 10-10-89, Cl. 30-346.510.
Greve, Christopher G.: *See—*
  Lapeyre, James M.; and Greve, Christopher G., 4,845,841, Cl. 29-791.000.
Greve, Dale R.: *See—*
  Ravins, Thomas L.; and Greve, Dale R., 4,818,287, Cl. 106-38.300.
Greve, Peter: *See—*
  Muller, Gerhard; and Greve, Peter, 4,836,203, Cl. 128-203.100.
Greve, Wayne R.: *See—*
  Solomon, Harold D.; and Greve, Wayne R., 4,816,646, Cl. 219-387.000.
Greve, Wilfried; Elben, Ulrich; Rudolph, Karl; and Schindler, Ursula, to Hoechst Aktiengesellschaft. Multiply substituted pyridine 1-oxide compounds which are useful in treating brain disorders. 4,859,663, 8-22-89, Cl. 514-212.000.
Greveling, Johannes, to Northern Telecom Limited. Optical cable. 4,875,757, 10-24-89, Cl. 350-96.230.
Grevemeyer, Bryce, to Ford Motor Company. Air/fuel ratio control system. 4,867,125, 9-19-89, Cl. 123-489.000.
Greving, Gerhard: *See—*
  Becker, Klaus; and Greving, Gerhard, 4,827,277, Cl. 343-781.00P.
Grey, Donald M.; and Butler, Lee D., to Grey, Donald Martin. Apparatus for loading and palletizing boxes and cartons, especially from an agricultural field. 4,832,553, 5-23-89, Cl. 414-789.700.
Grey, Donald M., to Grey Technologies, Inc. Field crop harvesting, carton packaging and packed carton handling machine and method. 4,876,844, 10-31-89, Cl. 53-458.000.
Grey, Donald Martin: *See—*
  Grey, Donald M.; and Butler, Lee D., 4,832,553, Cl. 414-789.700.
Grey, Michael O., to NCR Corporation. Thermal transfer ribbon cassette. 4,840,502, 6-20-89, Cl. 400-196.000.
Grey, Michael O.: *See—*
  Bangs, Richard G.; Grey, Michael O.; and Kwan, Sik-Piu, 4,806,948, Cl. 346-76.0PH.
Grey, Ronald T.: *See—*
  Chapdelaine, Albert H.; Kures, Vasek J.; and Grey, Ronald T., 4,803,083, Cl. 426-3.000.
Grey, Suzanne N.: *See—*
  Chamberlin, David B.; Dwyer, John J.; Grey, Suzanne N.; Jachmann, Emil F.; and Saltzman, Jeremy, 4,817,127, Cl. 379-67.000.
  D'Agosto, Nicholas A., III; Chamberlin, David B.; Su, Jy-Hong; Jachmann, Emil F.; and Grey, Suzanne N., 4,860,339, Cl. 379-67.000.
Grey Technologies, Inc.: *See—*
  Grey, Donald M., 4,876,844, Cl. 53-458.000.
Greyhawk Systems, Inc.: *See—*
  Anglin, Noah L., 4,802,752, Cl. 350-631.000.
  Kahn, Frederic J.; Kendrick, Paul N.; Leff, Jerry; Livoni, Linden J.; Loucks, Bryan E.; Stepner, David E.; and Witte, Kenneth G., 4,818,098, Cl. 353-122.000.
  Kahn, Frederick J.; Nevis, Elizabeth A.; and Leff, Jerry, 4,799,770, Cl. 350-331.00R.
Greyhound Exhibitgroup Inc.: *See—*
  Bokelund, Carl G.; Cronan, Michael P.; and Winters, Clyde J., 4,813,196, Cl. 52-775.000.
Griat, Jacqueline: *See—*
  Handjani, Rose M.; Ribier, Alain; Vanlerberghe, Guy; Zabotto, Arlette; and Griat, Jacqueline, 4,830,857, Cl. 424-450.000.
Gribble, Andrew D., to Smith Kline & French Laboratories Limited. Biologically active compounds. 4,866,076, 9-12-89, Cl. 514-307.000.
Gribble, Andrew D.: *See—*
  Durant, Graham J.; Gribble, Andrew D.; and Slater, Robert A., 4,812,573, Cl. 514-307.000.
Gribble, Robert L.; and Sinyard, Robert R. Apparatus and method for controlling the environment in a substantially enclosed and pressurized work area such as a textile manufacturing plant. 4,862,950, 9-5-89, Cl. 165-20.000.
Gribens, Joel A.: *See—*
  Holdsworth, Robert S.; Brown, Shawn E.; and Gribens, Joel A., 4,852,754, Cl. 215-347.000.
Gribi, Hans-Peter K., to Dentsply GmbH. Algin based dental impression material containing biocidal component. 4,836,853, 6-6-89, Cl. 106-35.000.
Gribovszki, Pal: *See—*
  Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavlicsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria, and Tuske, Marton, 4,804,405, Cl. 71-118.000.
Grice, Jeremy H.: *See—*
  Mansfield, Wilfred P.; Mansfield, Jill; Mansfield, John R.; and Grice, Jeremy H., 4,883,026, Cl. 123-90.160.
Grice, Neal J.: *See—*
  Knifton, John F.; and Grice, Neal J., 4,822,921, Cl. 565-698.000.
  Knifton, John F.; and Grice, Neal J., 4,876,397, Cl. 568-798.000.
Grider, Bruce A.: *See—*
  Froberg, Robert W.; Pratt, Thomas E.; Grider, Bruce A.; and Miller, Otto C., 4,815,572, Cl. 188-251.00M.
Grieb, Hubert, to MTU Motoren-und Turbinen-Union Munchen GmbH. Variable-geometry turbocompressor. 4,874,287, 10-17-89, Cl. 415-149.200.
Grieb, John H.; Joseph, J. M.; Weaver, Richard D.; and Bata, George T.; to Siemens-Bendix Automotive Electronics L.P. Method of making multi-stream thin edge orifice disks for valves. 4,854,024, 8-8-89, Cl. 29-156.70R.
Griebel, Franz, to Preh, Elektrofeinmechanische Werke, Jakob Preh, Nachf, GmbH & Co. Process for forming nonlinear resistance tracks. 4,841,626, 6-27-89, Cl. 29-620.000.
Griebeler, Elmer L., to Cleveland Machine Controls, Inc. Device for controlling operating gap of cutting head and method of using same. 4,854,551, 8-8-89, Cl. 266-76.000.
Griebeler, Elmer L., to Cleveland Machine Controls, Inc. Electrostat transducer and method of making and using same. 4,887,24 12-12-89, Cl. 367-181.000.
Griebler, Wolf-Dieter: *See—*
  Kreth, Wolfgang; and Griebler, Wolf-Dieter, 4,885,034, Cl. 106-449.000.
Griepentrog, Hartmut; and Beer, Helmut, to Borsig GmbH. Radi turbo-machine with disc diffusor. 4,824,323, 4-25-89, Cl. 415-148.00
Grier, Donald A.; and Nielson, Theodore, Jr., to Budd Company, The. Vehicle door with split outer panel. 4,843,762, 7-4-89, Cl. 49-378.00
Grier, John K.; and McGuire, Dane T., to Grier-McGuire Inc. "Twi lock" gas nozzle for a heat treating furnace. 4,799,881, 1-24-89, Cl. 432-77.000.
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  Grier, John K.; and McGuire, Dane T., 4,799,881, Cl. 432-77.000.
Grierson, Jeffrey G.; Wilson, David A.; and Crump, Druce K., to Dow Chemical Company, The. Use of aminophosphonic acids to inhibit scale formation and corrosion caused by manganese in water systems. 4,872,996, 10-10-89, Cl. 210-700.000.
Gries, Heinz; Niedballa, Ulrich; and Weinmann, Hanns-Joachim, to Schering Aktiengesellschaft. Nitroxyl compound and diagnostic media based thereon useful for enhancing NMR imaging. 4,845,0 7-4-89, Cl. 514-212.000.
Gries, Heinz; and Mutzel, Wolfgang, to Schering Aktiengesellschaft. 3-Substituted 2,4,6-trihalogenated benzamides as sweetening agen 4,869,913, 9-26-89, Cl. 426-548.000.
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  Ostersehlt, Bernd; Rieber, Norbert; and Gries, Josef, 4,851,410, Cl. 514-232.200.
  Rossy, Philip A.; Thyes, Marco; Franke, Albrecht; Koenig, Ho Lehmann, Hans D.; Gries, Josef; Friedrich, Ludwig; and Les Dieter, 4,873,246, Cl. 514-252.000.
Gries, Peter: *See—*
  Eiermann, Kurt; Goebel, Reiner; Gries, Peter; and Hoh Martin, 4,805,452, Cl. 73-204.260.
Griesbach, Ray H.; and Hustad, Gerald O., to Oscar Mayer Foo Corporation. Reclosable package. 4,823,961, 4-25-89, Cl. 206-432.00
Griesbach, Ray H.: *See—*
  Gindrod, Paul E.; Griesbach, Ray H.; and Hustad, Gerald O., 4,850,504, Cl. 220-307.000.
  Grindrod, Paul E.; Griesbach, Ray H.; and Cornish, Darrell G., 4,866,911, Cl. 53-432.000.
Griesbeck, Axel: *See—*
  Seebach, Dieter; and Griesbeck, Axel, 4,835,294, Cl. 549-274.00
Griesdorn, Carl P. Method and apparatus for folding the edges of a sheet of material. 4,839,126, 6-13-89, Cl. 264-339.000.
Griesemer, Albert. Device for incremental adjustment of the height of a securing point or return-travel point for a safety belt or the like. 4,818,023, 4-4-89, Cl. 297-483.000.
Griesenbeck, Harrell. Bed tent. 4,852,598, 8-1-89, Cl. 135-102.00
Grieser, Hans: *See—*
  Fesenmeier, Hugo; Zumkeller, Oskar; Schneider, Werner; and Grieser, Hans, 4,853,666, Cl. 336-130.000.
Grieshaber, Herman R., to Grieshaber Manufacturing Company. Retractor. 4,813,401, 3-21-89, Cl. 128-20.000.
Grieshaber Manufacturing Company: *See—*
  Grieshaber, Herman R., 4,813,401, Cl. 128-20.000.

Grieshaber, Peter: *See—*
  Eldin, Sameer H.; and Grieshaber, Peter, 4,851,494, Cl. 528-170.000.
Griesinger, David H., to Lexicon, Inc. Sound reproduction. 4,862,502, 8-29-89, Cl. 381-22.000.
Griesinger, William B., to Griesinger, William B. Truck tire mounting device. 4,872,694, 10-10-89, Cl. 280-79.400.
Griesmyer, Barbara A. Carrier for relatively small sheets of paper or the like. 4,822,017, 4-18-89, Cl. 271-2.000.
Griessbach, Robert: *See—*
  Niedermayr, Erich; and Griessbach, Robert, 4,880,992, Cl. 250-561.000.
Griessmann, Andrea: *See—*
  Franz, Klaus D.; Griessmann, Andrea; Lenz, Gisela; and Moschl, Gernot, 4,828,826, Cl. 424-63.000.
Grieve Corporation, The: *See—*
  Grieve, Douglas V., 4,869,155, Cl. 98-1.000.
Grieve, Douglas V., to Grieve Corporation, The. Airflow distribution system for discharging air from a thin plenum, and oven employing same. 4,869,155, 9-26-89, Cl. 98-1.000.
Grieve, Duncan M. A.; Poon, Stephen S. C.; Thien, Tran V.; Sakizadeh, Kumars; and Weigel, David C., to Minnesota Mining and Manufacturing Company. Color photothermographic elements. 4,883,747, 11-28-89, Cl. 430-512.000.
Grieve, Philip G.: *See—*
  Brandstetter, Robert W.; Fonneland, Nils J.; and Grieve, Philip G., 4,884,867, Cl. 350-162.120.
Griffee, Richard A.: *See—*
  Gombrich, Peter P.; Beard, Richard J.; Griffee, Richard A.; Wilson, Thomas R.; Zook, Ronald E.; and Hendrickson, Max S., 4,835,372, Cl. 235-375.000.
Griffen, Charles W.: *See—*
  Salyer, Ival O.; and Griffen, Charles W., 4,825,939, Cl. 165-53.000.
Griffen, Neil C., to Toledo Scale Corporation. Digital load shift compensation. 4,799,558, 1-24-89, Cl. 177-5.140.
Griffen, Neil C., to Toledo Scale Corporation. Compensated multiple load cell scale. 4,804,052, 2-14-89, Cl. 177-25.140.
Griffen, Neil C.: *See—*
  Dillon, Benny N.; Griffen, Neil C.; and Weihs, Mark E., 4,815,547, Cl. 177-25.140.
Griffey, Donald E., to Zenith Electronics Corporation. Projection CRT protection circuit. 4,820,959, 4-11-89, Cl. 315-384.000.
Griffey, Donald E., to Zenith Electronics Corporation. High voltage shutdown circuit with brightness tracking. 4,855,864, 8-8-89, Cl. 361-91.000.
Griffey, Edwin K., to Sundstrand Corporation. Ball cage for helical ballspline. 4,887,479, 12-19-89, Cl. 74-424.8NA.
Griffin, Anthony H., to Cole & Manson, Limited. Condiment grinders. 4,844,352, 7-4-89, Cl. 241-101.200.
Griffin, Brian P.: *See—*
  Bailey, Derrick S.; Cogswell, Frederic N.; and Griffin, Brian P., 4,843,109, Cl. 521-182.000.
Griffin, Christopher; and Kay, Peter, to General Foods Limited. Secondary packaging. 4,821,884, 4-18-89, Cl. 206-557.000.
Griffin, Daniel V.: *See—*
  True, Karen J.; Griffin, G. Barbara; Griffin, Daniel V.; and Nickels, William M., 4,824,247, Cl. 356-244.000.
Griffin, Daniel W., to Sanders Associates, Inc. Simulation system. 4,866,663, 9-12-89, Cl. 364-900.000.
Griffin, David A.: *See—*
  Elliott, Raymond; Sunley, Raymond; and Griffin, David A., 4,871,389, Cl. 71-92.000.
  Elliott, Raymond; Griffin, David A.; and Gairns, Raymond S., 4,875,922, Cl. 71-76.000.
Griffin, Dennis, to Frazer-Nash Limited. Solenoid-operated devices. 4,798,139, 1-17-89, Cl. 102-216.000.
Griffin, Dennis; and Delves, Ronald F., to Frazer-Nash Limited. Air-carried missile launcher. 4,802,400, 2-7-89, Cl. 89-1.570.
Griffin, Don; Nadel, Steven J.; and Van Skike, Tamzen L., to BOC Group, Inc., The. Microwavable containers useful for controlled heating. 4,866,235, 9-12-89, Cl. 219-10.55E.
Griffin, Donald L.; and Pfister, Ralph E., to Barriergen, Inc. Hypoallergenic jewelry and method of making the same. 4,861,658, 8-29-89, Cl. 428-336.000.
Griffin, Evans E.: *See—*
  Zipps, Robert H.; Lyons, Kent A.; and Griffin, Evans E., 4,798,519, Cl. 416-191.000.
Griffin, G. Barbara: *See—*
  True, Karen J.; Griffin, G. Barbara; Griffin, Daniel V.; and Nickels, William M., 4,824,247, Cl. 356-244.000.
Griffin, Gregory L.: *See—*
  Yates, John T., Jr.; Griffin, Gregory L.; and Kiskinova, Maya, 4,877,584, Cl. 422-88.000.
Griffin, James D.: *See—*
  Todd, Robert F., III; Lucchesi, Benedict R.; Simpson, Paul J.; Griffin, James D.; and Schlossman, Stuart F., 4,840,793, Cl. 424-85.800.
Griffin, James L., to Wells-Gardner Electronics Corporation. Lens arrangement. 4,820,030, 4-11-89, Cl. 350-434.000.
Griffin, James L., to Wells-Gardner Electronics Corporation. Solid-state optical position determining apparatus. 4,820,050, 4-11-89, Cl. 356-375.000.
Griffin, James P. Compressible flashlight. 4,819,140, 4-4-89, Cl. 362-189.000.
Griffin, Jim. Musical wall hanging. 4,813,329, 3-21-89, Cl. 84-94.200.
Griffin, John; Grubb, David; and Glaab, Joseph, to General Instrument Corp. Video encryption system. 4,815,129, 3-21-89, Cl. 380-15.000.
Griffin, John F. T., to University of Otago, The. Method of detecting infection or immunity in ruminants. 4,886,655, 12-12-89, Cl. 424-2.000.
Griffin, John W.: *See—*
  Shores, Paul W.; Griffin, John W.; and Kobayashi, Herbert S., 4,860,014, Cl. 342-105.000.
Griffin, Joseph C.; and Skaggs, James L., to Nova Medical Specialties. Thermodilution and pressure transducer balloon catheter. 4,878,898, 11-7-89, Cl. 604-101.000.
Griffin, Joseph J.; Reisinger, Debra H.; Smagula, Michael S.; and Tancredi, Michael R., to General Foods Corporation. Frozen, low-solids, quiescently-frozen confection. 4,832,976, 5-23-89, Cl. 426-660.000.
Griffin, Joseph R.: *See—*
  Ker, Eric L.; and Griffin, Joseph R., 4,824,550, Cl. 204-427.000.
Griffin, Kevin S.: *See—*
  Linda, Martin J.; and Griffin, Kevin S., 4,815,072, Cl. 370-84.000.
Griffin, Lamar H. Ladder brace. 4,858,725, 8-22-89, Cl. 182-127.000.
Griffin, Lamar H.; and Hutchins, Paul. Hydraulic ladder brace. 4,877,108, 10-31-89, Cl. 182-68.000.
Griffin, Linnard; and Franklin, Darrell. Cooling fluid for fabrication operations. 4,869,839, 9-26-89, Cl. 252-56.00R.
Griffin, Ranald L.: *See—*
  Betterton, Joseph T.; Glover, Alfred H.; Griffin, Ranald L.; and Kerstiens, Anthony J., 4,805,460, Cl. 73-725.000.
Griffin, Raymond E. One-way valve for leg urinals or the like. 4,828,554, 5-9-89, Cl. 604-350.000.
Griffin, Raymond T.: *See—*
  Carson, Steven R.; Griffin, Raymond T.; and Spear, Scott A., 4,880,950, Cl. 200-547.000.
  Slovak, Michael J.; Griffin, Raymond T.; and Carson, Steven R., 4,871,893, Cl. 200-16.00R.
Griffin, Robert J.: *See—*
  Alaybayoglu, Erdem; Anderson, Ian D.; and Griffin, Robert J., 4,823,244, Cl. 362-194.000.
Griffin, Robert M., to GTE Products Corporation. Tungsten-halogen lamp with metal additive. 4,857,804, 8-15-89, Cl. 313-557.000.
Griffin, Rodney L.; Ciliberti, David F.; and Lippert, Thomas E., to Westinghouse Electric Corp. Hot inert gas purging for filter blowback process. 4,812,149, 3-14-89, Cl. 55-71.000.
Griffin, Thomas S.: *See—*
  Hall, Iris H.; Griffin, Thomas S.; and Docks, Edward L., 4,845,130, Cl. 514-663.000.
Griffin, Tony K.; Grindal, Robert J.; and Marshall, Barry R., to National Research Development Corporation. Automatic milking apparatus. 4,803,950, 2-14-89, Cl. 119-14.550.
Griffin, William H.: *See—*
  Beckerman, Norton S.; and Griffin, William H., 4,801,483, Cl. 428-71.000.
Griffin, William R.: *See—*
  Bassett, Robert W.; Griffin, William R.; Murphy, Susan A.; Petrovick, John G., Jr.; Varner, James R.; and Whittaker, Dennis R., 4,878,209, Cl. 368-113.000.
  Chu, Albert M.; and Griffin, William R., 4,812,688, Cl. 307-605.000.
Griffin, William S.: *See—*
  Forward, Robert L.; and Griffin, William S., 4,795,123, Cl. 248-550.000.
Griffing, Bruce F.; and West, Paul R., to General Electric Company. Diarylnitrones. 4,859,789, 8-22-89, Cl. 560-35.000.
Griffing, Bruce F.: *See—*
  Kim, Manjin J.; Griffing, Bruce F.; Wilson, Ronald H.; Williams, Arlene G.; and Stoll, Robert W., 4,849,377, Cl. 437-228.000.
Griffing, Neal R.; and Hand, Evan L., Sr., to Bethlehem Steel Corporation. Consumable injection lance. 4,852,860, 8-1-89, Cl. 266-268.000.
Griffioen, Willem; and De Jong, Cornelis L., to Staat Der Nederlanden (Staatsbedrijf Der Posterijen, Telegrafie En Telefonie). Method for introducing a cable into a cable guide tube. 4,850,569, 7-25-89, Cl. 254-134.400.
Griffis, Steven C. Means for sampling the exhaust air of an air filtration unit. 4,804,391, 2-14-89, Cl. 55-270.000.
Griffis, Steven C. Self-contained air monitoring unit with agitated air capability. 4,813,984, 3-21-89, Cl. 55-270.000.
Griffis, Steven C. Remote control and monitor means. 4,820,319, 4-11-89, Cl. 55-213.000.
Griffis, Steven C. Apparatus for dampening hazardous material. 4,826,514, 5-2-89, Cl. 55-257.100.
Griffis, Steven C. Method and means for replacing a malfunctioning air filtration unit. 4,859,221, 8-22-89, Cl. 55-419.000.
Griffis, Steven C. Apparatus for sampling hazardous materials. 4,860,599, 8-29-89, Cl. 73-864.450.
Griffis, Steven C. Multiple location negative air pressure monitor. 4,865,634, 9-12-89, Cl. 55-213.000.
Griffis, Steven C. Portable isolation enclosure. 4,883,512, 11-28-89, Cl. 55-356.000.
Griffith, Ann L.: *See—*
  Catsimpoolas, Nicholas; Kamarei, Ahmad R.; Griffith, Ann L.; and Sinn, Robert S., 4,879,114, Cl. 424-95.000.
Griffith, Arthur E.: *See—*
  LaConti, Anthony B.; and Griffith, Arthur E., 4,820,386, Cl. 204-1.00T.
Griffith, Clifford J., Jr.: *See—*
  Clarke, Samuel Y., Jr.; and Griffith, Clifford J., Jr., 4,808,026, Cl. 404-90.000.

- Griffith, David W., Jr.: *See—*
  - Norman, Alan B.; Griffith, David W., Jr.; Holt, Dewey L.; Reynolds, John H., IV; and Sears, Stephen B., 4,858,628, Cl. 131-329.000.
- Griffith, Donald L.; and Acar, Ali, to ITT Corporation. High-speed solenoid valve with polymer film lubricant. 4,826,130, 5-2-89, Cl. 251-129.150.
- Griffith, Edwin D., to Nekoosa Packaging Corporation. Process for on-line lamination of plastic. 4,871,406, 10-3-89, Cl. 156-82.000.
- Griffith, Eugene E. Diesel fuel heater. 4,865,005, 9-12-89, Cl. 123-546.000.
- Griffith, Gene D., to Pistol Brace, Inc. Pistol brace. 4,843,749, 7-4-89, Cl. 42-72.000.
- Griffith, Gerald P.: *See—*
  - Barrell, David; Griffith, Gerald P.; Kennedy, Donald E.; and Rollen, Donald C., 4,803,022, Cl. 264-25.000.
- Griffith, Herbert L., Jr. Automatic telephone line sharing and lockout apparatus. 4,805,210, 2-14-89, Cl. 379-195.000.
- Griffith, James M.; Maciel, Mario; Henry, Walter L.; and Zalesky, Paul J., to Inter Therapy, Inc. Ultra-thin acoustic transducer and balloon catheter using same in imaging array subassembly. 4,841,977, 6-27-89, Cl. 128-660.030.
- Griffith, John B.; and Linton, Donald F., to Transaction Security Corporation. Security transaction system for financial data. 4,825,050, 4-25-89, Cl. 235-379.000.
- Griffith, John D., to Sulzer Brothers Limited. Weff yarn feed for a weaving loom. 4,799,516, 1-24-89, Cl. 139-435.000.
- Griffith, John T., to Electricity Council, The. Induction heater coupling control by core saturation. 4,843,201, 6-27-89, Cl. 219-10.491.
- Griffith, Kenneth L., to T.D.K. Plastics, Inc. Method and system for recovery of plastics from a settling basin. 4,882,073, 11-21-89, Cl. 210-776.000.
- Griffith Laboratories, Limited, The: *See—*
  - Sophianopoulos, Spyros; Darley, Kenneth S.; and Sair, Louis, 4,883,676, Cl. 426-314.000.
- Griffith, Louis E.; and Ebner, Peter R., to Preleg, Inc. Electrical circuit modification method. 4,864,723, 9-12-89, Cl. 29-850.000.
- Griffith, Monty: *See—*
  - Vandervoort, David; and Griffith, Monty, 4,812,321, Cl. 426-503.000.
- Griffith, Paul G., to Mobil Oil Corporation. Method and apparatus for locking the frequency and phase of a local oscillator. 4,857,867, 8-15-89, Cl. 331-10.000.
- Griffith, Paul G., to Mobil Oil Corporation. Method and apparatus for cancelling nonstationary sinusoidal noise from seismic data. 4,858,199, 8-15-89, Cl. 367-45.000.
- Griffith, Paul G.: *See—*
  - Linville, Andrew F., Jr.; Shirley, Thomas E.; and Griffith, Paul G., 4,853,903, Cl. 367-46.000.
- Griffith, Paul J.: *See—*
  - Feldmann, Fritz K.; Griffith, Paul J.; and Christenson, Craig L., 4,815,682, Cl. 244-3.230.
- Griffith, Ronald C.; and Napier, James J., to Pennwalt Corporation. 2-Amino-N-[1,2-Diphenyl-1-(thifluoromethyl)ethyl]acetamide derivatives. 4,798,687, 1-17-89, Cl. 260-501.100.
- Griffith, Ronald C.; and Napier, James J., to Pennwalt Corporation. Antihistamines. 4,855,462, 8-8-89, Cl. 549-354.000.
- Griffith, Ronald C., to Fisons Corporation. 2-[(2-aminoacetyl-)amino]acetamide derivatives. 4,871,872, 10-3-89, Cl. 564-157.000.
- Griffith, Ronald C.: *See—*
  - Napier, James J.; and Griffith, Ronald C., 4,873,241, Cl. 514-237.800.
- Griffith, Scott J.; and Golson, Steven E., to Sun Microsystems, Inc. Triple rail logic gate. 4,857,768, 8-15-89, Cl. 307-443.000.
- Griffith, Scott J., to Sun Microsystems, Inc. Method and apparatus for measuring the speed of an integrated circuit device. 4,890,270, 12-26-89, Cl. 368-113.000.
- Griffiths, Andrew; Norcross, Roy; Scherer, Gerhard; Merz, Friedrich W.; and Gos, Stephen, to Degussa Aktiengesellschaft. Process for the treatment of effluent containing cyanide and toxic metals, using hydrogen peroxide and trimercaptotriazine. 4,822,496, 4-18-89, Cl. 210-721.000.
- Griffiths, Andrew; and Norcross, Roy, to Degussa Aktiengesellschaft. Process for the detoxification of effluents from ore processing operations with hydrogen peroxide, using a magnetic pre-separation stage. 4,851,129, 7-25-89, Cl. 210-695.000.
- Griffiths, Colin; and Walker, William G., to Ebonwood Limited. Method and apparatus for manufacturing carpet. 4,875,954, 10-24-89, Cl. 156-64.000.
- Griffiths, David V.: *See—*
  - Kelly, James D.; and Griffiths, David V., 4,810,486, Cl. 429-1.100.
- Griffiths, Edward E. Linear actuator take-off and release apparatus. 4,821,600, 4-18-89, Cl. 74-625.000.
- Griffiths, Edward E. Remotely engagable power actuator. 4,854,188, 8-8-89, Cl. 74-625.000.
- Griffiths, Elizabeth A.: *See—*
  - Chang, Shih-Ger; Liu, David K.; Griffiths, Elizabeth A.; and Littlejohn, David, 4,837,361, Cl. 562-556.000.
- Griffiths, Frank K., to British Aerospace Public Limited Company. Air withdrawing sampling probes for a contraband detection system. 4,818,870, 4-4-89, Cl. 250-288.000.
- Griffiths, Ian C.: *See—*
  - Garvey, Michael J.; and Griffiths, Ian C., 4,810,787, Cl. 536-127.000.
- Griffiths, Jerry W.: *See—*
  - Huber, Clayton S.; Rowley, David M.; and Griffiths, Jerry W., 4,826,656, Cl. 426-565.000.
- Griffiths, John: *See—*
  - Van Ewyk, Robert L.; O'Connor, Ingrid M.; Mosley, Alan; Jones, Francis; Blackburn, Christopher; and Griffiths, John, 4,838,659, Cl. 350-337.000.
- Griffiths, John A.: *See—*
  - Lander, Jacqueline R.; and Griffiths, John A., 4,795,592, Cl. 252-511.000.
- Griffiths, John M.; Litjens, John J.; and Newman, Neil A., to Brunswick Corporation. Transom extension mounting assembly for outboard motors. 4,836,811, 6-6-89, Cl. 440-61.000.
- Griffiths, John M., to Brunswick Corporation. Steering system for auxiliary marine engine. 4,836,812, 6-6-89, Cl. 440-61.000.
- Griffiths, John M.; Beck, Wayne T.; and Newman, Neil A., to Brunswick Corporation. Speed optimizing positioning system for a marine drive unit. 4,861,292, 8-29-89, Cl. 440-1.000.
- Griffiths, John M.; Forsgren, Lyle M.; Newman, Neil A.; and Beck, Wayne T., to Brunswick Corporation. Lift and latch apparatus for an outboard motor. 4,872,859, 10-10-89, Cl. 440-53.000.
- Griffiths, John M.: *See—*
  - Litjens, John J.; Griffiths, John M.; and Baumhardt, Robert J., 4,836,151, Cl. 123-65.00V.
  - Litjens, John J.; Griffiths, John M.; and Karls, Michael A., 4,842,559, Cl. 440-1.000.
  - Newman, Neil A.; Griffiths, John M.; and Beck, Wayne T., 4,813,897, Cl. 440-61.000.
  - Newman, Neil A.; Bankstahl, Herbert A.; Griffiths, John M.; Forsgren, Lyle M.; and Beck, Wayne T., 4,872,857, Cl. 440-1.000.
- Griffiths, John W. Acoustic headgear-sun visor assembly. 4,802,243, 2-7-89, Cl. 2-6.000.
- Griffiths, Kenneth F. Multistage fractional freezing for superpurifying crystallizable substances. 4,885,016, 12-5-89, Cl. 62-532.000.
- Griffiths, Peter G.: *See—*
  - Cameron, Donald W.; Feutrill, Geoffrey I.; and Griffiths, Peter G., 4,822,873, Cl. 536-6.400.
- Griffiths, Phillip N.; and Holmes, Thomas, to S P Tyres U K Limited. Tires. 4,794,968, 1-3-89, Cl. 152-544.000.
- Griffiths, Phillip N.; and Simpson, Mathew, to S P Tyres UK Limited. Tire bead toe with slits. 4,805,682, 2-21-89, Cl. 152-544.000.
- Griffiths, Phillip N.: *See—*
  - Corner, Michael R.; Griffiths, Phillip N.; Holmes, Tom; and Kemp, Ian, 4,836,260, Cl. 152-375.000.
  - Holmes, Thomas; and Griffiths, Phillip N., 4,800,940, Cl. 152-379.400.
- Griffiths, Richard W., to G2 Systems Corporation. Structural monitoring system using fiber optics. 4,812,645, 3-14-89, Cl. 250-227.000.
- Griffiths, Russell H.; Horch, Kenneth W.; and Stensaas, Larry J., to University of Utah. Method of forming fibrin-collagen nerve and body tissue repair material. 4,863,668, 9-5-89, Cl. 264-512.000.
- Griffiths, Wayne S., to AMP Incorporated. Antenna Connector. 4,867,698, 9-19-89, Cl. 439-317.000.
- Grigat, Ernst: *See—*
  - Rasshofer, Werner; Grigat, Ernst; Grogler, Gerhard; Hess, Heinrich; and Kopp, Richard, 4,855,504, Cl. 564-395.000.
- Grigg, Douglas W.: *See—*
  - Wilson, Robert D.; Grigg, Douglas W.; and Gialanella, Donald G., 4,854,575, Cl. 272-122.000.
- Grigg, Frederick C.: *See—*
  - Dunnett, Roy V.; Lowe, Arthur C.; and Grigg, Frederick C., 4,866,422, Cl. 340-539.000.
- Griggs, Calvin; and Horn, J. C., to Treace Medical, Inc. Surgical drill and bur for use therewith. 4,811,736, 3-14-89, Cl. 128-305.100.
- Grigo, Dietrich: *See—*
  - Hennecke, Dietmar; Pfaff, Klaus; and Grigo, Dietrich, 4,825,943, Cl. 60-39.750.
- Grigo, Ulrich: *See—*
  - Baasner, Bernd; Berg, Klaus D.; and Grigo, Ulrich, 4,826,634, Cl. 260-513.600.
  - Berg, Klaus; Idel, Karsten-Josef; and Grigo, Ulrich, 4,873,314, Cl. 528-487.000.
  - Dujardin, Ralf; Ebert, Wolfgang; Meyer, Rolf-Volker; Berg, Klaus; Grigo, Ulrich; and Wehnert, Wolfgang, 4,874,816, Cl. 525-146.000.
- Grigo, Ulrich R.; and Cohen, Stuart L., to Mobay Corporation. Metal plated molded compositions containing polycarbonate and a certain ABS resin. 4,847,153, 7-11-89, Cl. 428-412.000.
- Grigorenko, Donald C. Can top opening assembly and method of making same. 4,801,038, 1-31-89, Cl. 220-269.000.
- Grigorov, Petr K.: *See—*
  - Perevozkin, Jury L.; Gajun, Jury A.; Grigorov, Petr K.; Zhurakovsky, Vasily M.; and Samelik, Boris V., 4,853,047, Cl. 148-905.000.
- Grigoryev, Leon M. Electrical muscle stimulator for knee stabilization. 4,796,631, 1-10-89, Cl. 128-421.000.
- Grigsby, John M., to North America Container Corporation. Wood reinforced corrugated paperboard shipping container with attaching strips. 4,832,256, 5-23-89, Cl. 229-23.00C.
- Grigsby, Robert A., Jr.: *See—*
  - Rice, Doris M.; Grigsby, Robert A., Jr.; and Dominguez, Richard J. G., 4,806,615, Cl. 528-68.000.
- Grilk, Henry G., to Rule Industries, Inc. Carbon monoxide health hazard monitor. 4,860,223, 8-22-89, Cl. 364-550.000.

- Grill, Benjamin: *See—*
  - Sturman, Eddie; Grill, Benjamin; and Harrison, Walter L., 4,811,221, Cl. 364-420.000.
  - Sturman, Oded E.; Grill, Benjamin; and Harrison, Lynn, 4,857,842, Cl. 324-225.000.
- Grill, Erwin; Winnacker, Ernst-Ludwig; and Zenk, Meinhart H., to Consortium fur Elektrochemische Industrie GmbH. Cysteine-rich peptides having gamma-glutamic acid and beta-alanine units, a process for their preparation and their use. 4,883,861, 11-28-89, Cl. 530-326.000.
- Grill, Thomas M.: *See—*
  - Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, 4,795,898, Cl. 235-487.000.
  - Bernstein, Howard L.; Grill, Thomas M.; and Silver, Ronald, 4,798,322, Cl. 235-487.000.
- Grilliot, Mary I.: *See—*
  - Grilliot, William L.; and Grilliot, Mary I., 4,817,211, Cl. 2-227.000.
  - Grilliot, William L.; and Grilliot, Mary I., 4,843,646, Cl. 2-69.000.
  - Grilliot, William L.; and Grilliot, Mary I., 4,864,742, Cl. 36-109.000.
  - Grilliot, William L.; and Grilliot, Mary I., 4,879,769, Cl. 2-312.000.
- Grilliot, William L.; and Grilliot, Mary I. Firefighter's trousers capable of receiving a booted foot. 4,817,211, 4-4-89, Cl. 2-227.000.
- Grilliot, William L.; and Grilliot, Mary I. Firefighter's garments having enhanced flexibility and minimum weight. 4,843,646, 7-4-89, Cl. 2-69.000.
- Grilliot, William L.; and Grilliot, Mary I. Firefighter's boot mated to firefighter's trousers. 4,864 742, 9-12-89, Cl. 36-109.000.
- Grilliot, William L.; and Grilliot, Mary I. Firefighter's boot and trouser attachment. 4,879,769, 11-14-89, Cl. 2-312.000.
- Grillo, Susan M.: *See—*
  - Woznicki, Edward J.; and Grillo, Susan M., 4,802,924, Cl. 427-3.000.
- Grills, Robert H.: *See—*
  - P'an, Charles T.; Christie, Dean E.; and Grills, Robert H., 4,836,026, Cl. 73-620.000.
- Grim, Gary K.; and Kimble, Matthew, to Balance Technology, Inc. Automatic digital dynamic balancing machine and method. 4,868,762, 9-19-89, Cl. 364-508.000.
- Grim, James W.: *See—*
  - Perkins, Jimmie G.; and Grim, James W., 4,824,332, Cl. 417-315.000.
- Grim, Kenneth R.: *See—*
  - Burns, Richard J.; Grim, Kenneth R.; and Levy, Miguel E., 4,813,006, Cl. 364-604.000.
- Grim, Michael, to Yakima Products, Inc. Self-tightening vehicle roof rack. 4,877,169, 10-31-89, Cl. 224-331.000.
- Grim, Tracy E., to Royce Medical Company. Ankle brace. 4,844,094, 7-4-89, Cl. 128-80.00H.
- Grim, Tracy E., to Royce Medical Company. Soft-goods type, formable orthopaedic cast. 4,852,557, 8-1-89, Cl. 128-90.000.
- Grim, Tracy E.; and Smario, Thomas M., to Royce Medical Company. Adjustable tension ankle support. 4,869,267, 9-26-89, Cl. 128-80.00H.
- Grim, Wayne M.: *See—*
  - Buehler, John D.; Luber, Joseph R.; and Grim, Wayne M., 4,869,902, Cl. 424-686.000.
  - Mehta, Gunvant N.; Wertan, Dennis J.; and Grim, Wayne M., 4,856,909, Cl. 366-208.000.
- Grimaldi, Jean L.; Dellion, Raymond; and Michaud, Pierre, to Thomson Video Equipment. Optical device for scanning still images in television. 4,868,663, 9-19-89, Cl. 358-209.000.
- Grimaldi, Margaret E.: *See—*
  - Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., 4,887,780, Cl. 244-137.200.
- Grimaldo, Samuel. Consolidated backshoe die for a tube bender machine. 4,833,907, 5-30-89, Cl. 72-389.000.
- Grimaud, Alain, to Enterprise Paris Quest. Floor with co-operation between wood and concrete. 4,841,703, 6-27-89, Cl. 52-334.000.
- Grimble, Ralph E.; and Somers, Edward V., to Westinghouse Electric Corp. Fuel feed arrangement for a fuel cell generator. 4,812,373, 3-14-89, Cl. 429-19.000.
- Grimes, Craig A.: *See—*
  - Grimes, Dale M.; and Grimes, Craig A., 4,809,009, Cl. 343-726.000.
- Grimes, Dale M.; and Grimes, Craig A. Resonant antenna. 4,809,009, 2-28-89, Cl. 343-726.000.
- Grimes, Elizabeth H., to Westinghouse Electric Corp. Cross tie random access memory. 4,803,658, 2-7-89, Cl. 365-87.000.
- Grimes, Elizabeth H.; and Baugh, Charles W., to Westinghouse Electric Corp. Cross-tie random access memory. 4,805,140, 2-14-89, Cl. 365-87.000.
- Grimes, Fred D.; and Grimes, Linda D. Bathtub apparatus. 4,872,224, 10-10-89, Cl. 4-544.000.
- Grimes, James B. Extramedullary femoral head-neck prosthesis and method of implanting same. 4,795,473, 1-3-89, Cl. 623-23.000.
- Grimes, Jerry L.: *See—*
  - Hilker, G. Daniel; Lausen, Verne H.; Coon, Jessie H.; Bodette, James E.; Grimes, Jerry L.; Wright, Roger D.; Disque, Donny R.; and Bultemeier, Keith D., 4,826,706, Cl. 427-120.000.
- Grimes, John A., to Davidson Textron Inc. Automotive armrest. 4,869,543, 9-26-89, Cl. 296-153.000.
- Grimes, Joseph E. Beach pillow. 4,815,154, 3-28-89, Cl. 5-441.000.
- Grimes, Linda D.: *See—*
  - Grimes, Fred D.; and Grimes, Linda D., 4,872,224, Cl. 4-544.000.
- Grimes, Michael L. Coin-dispensing apparatus. 4,884,992, 12-5-89, Cl. 453-29.000.
- Grimes, Scott D.: *See—*
  - Brune, William A.; and Grimes, Scott D., 4,862,067, Cl. 324-73.00R.
- Grimes, Stephen; Benjamini, Elizer; and Gevas, Philip, to Aphton Corporation. Method for contraception by immunization against the zona pellucida. 4,795,634, 1-3-89, Cl. 424-85.900.
- Grimm, Christel, heir: *See—*
  - Koukal, Heinz; Arold, Klaus; and Grimm, Hermann, deceased, 4,795,090, Cl. 236-49.000.
- Grimm, Daniel: *See—*
  - Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich; Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Stein, Hermann, 4,828,806, Cl. 423-213.500.
  - Kainer, Hartmut; Grimm, Daniel; Schnelle, Wilfried; and Halbach, Peter, 4,883,647, Cl. 423-239.000.
  - Stein, Hermann; Kainer, Hartmut; and Grimm, Daniel, 4,806,427, Cl. 502-60.000.
- Grimm, Donald C.: *See—*
  - Muse, Joel; Grimm, Donald C.; Dillon, Jerry J.; Cottman, Kirkwood S.; and Bennett, Calvin A., 4,847,313, Cl. 324-291.000.
- Grimm, Duane: *See—*
  - Tysver, John D.; and Grimm, Duane, 4,877,120, Cl. 192-141.000.
- Grimm, Ekkehard; and Todteberg, Eckhard, to Heraeus Sepatech GmbH. Centrifuge equipped with a rotor. 4,886,486, 12-12-89, Cl. 494-20.000.
- Grimm, Frank W., to Zenith Electronics Corporation. Component mounting process for printed circuit boards. 4,873,764, 10-17-89, Cl. 29-830.000.
- Grimm, Hans, to Maschinenfabrik Gehring Gesellschaft mit beschrankter Haftung & Co. Kommanditgesellschaft. Method and apparatus for deburring the inner edge of part of a workpiece. 4,798,024, 1-17-89, Cl. 51-33.00R.
- Grimm, Hans; and Richter, Gunter, to Maschinenfabrik Gehring Gesellschaft mit beschrankter Haftung & Co. Kommanditgesellschaft. Honing process. 4,831,787, 5-23-89, Cl. 51-165.910.
- Grimm, Hermann, deceased: *See—*
  - Koukal, Heinz; Arold, Klaus; and Grimm, Hermann, deceased, 4,795,090, Cl. 236-49.000.
- Grimm, Hugo: *See—*
  - Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Gerken, Rudolf; and Lailach, Gunter, 4,834,954, Cl. 423-242.000.
  - Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Fennemann, Wolfgang; and Ohlms, Norbert, 4,842,835, Cl. 423-242.000.
- Grimm, Istvan; Stenczinger, Sandor; Bolla, Istvan; and Csanyi, Istvan, to Budapesti Radiotechnikai Gyar. Magnetic information recording and/or reading head with increased wear-resistant properties and a method for manufacturing the same. 4,876,790, 10-31-89, Cl. 29-603.000.
- Grimm, Karl J.: *See—*
  - Doering, Karlheinz; Grimm, Karl J.; and Bertelsmeier, Manfred, 4,847,833, Cl. 370-85.000.
- Grimm, Luke Z. Throwable, multiple-sided, emergency traffic warning marker. 4,848,263, 7-18-89, Cl. 116-63.00C.
- Grimm, Michael A.; and Hildebrant, Paul, to Teledyne Industries, Inc. Three reservoir capacitor. 4,888,677, 12-19-89, Cl. 363-60.000.
- Grimm, Michael N.; Farley, Forrest F., Jr.; and Oliver, Randolph C., to Crawford Fitting Company. Tube bending apparatus. 4,843,858, 7-4-89, Cl. 72-149.000.
- Grimm, Peter: *See—*
  - Metzger, Andre; Grimm, Peter; Nohl, Andre J.; and Nau, Vance J., 4,859,605, Cl. 436-43.000.
- Grimm, Stefan; Schatzle, Michael; and Stahr, Fritz, to Teroson GmbH. Two-component material and the use thereof. 4,797,463, 1-10-89, Cl. 528-60.000.
- Grimm, Thomas M.: *See—*
  - Rhodes, Guy W.; Hill, John W.; Smith, Clement M.; and Grimm, Thomas M., 4,806,066, Cl. 414-729.000.
- Grimm, Thomas R., to Texas Instruments Incorporated. Portable electronic data handling/data entry system. 4,881,839, 11-21-89, Cl. 400-692.000.
- Grimm, Thomas R.: *See—*
  - Rendon, Mark A.; Treszoks, Erik A.; and Grimm, Thomas R., 4,881,840, Cl. 400-705.100.
- Grimm, Virgil A. Door stop alarm. 4,890,092, 12-26-89, Cl. 340-546.000.
- Grimm, Wolfgang; Paysan, Heinz-Wilhelm; and Schurle, Hermann, to Carl-Zeiss-Stiftung. Arrangement for machining a workpiece by means of a laser beam. 4,866,244, 9-12-89, Cl. 219-121.630.
- Grimme, Paul E.: *See—*
  - Shannon, Paul D.; Oka, Hiroyuki; Grimme, Paul E.; and Sparks, Robert W., 4,809,231, Cl. 365-201.000.
- Grimmelijkhuizen, Friedrich: *See—*
  - Kaspar, Vaclav; Baecker, Manfred; Brandt, Horst; Grimmelijkhuizen, Friedrich; and Wolf, Karlheinz, 4,846,409, Cl. 241-21.000.
- Grimmer, Derrick P.; Paulson, Kenneth R.; and Gilbert, James R., to Minnesota Mining and Manufacturing Company. Method for fabricating an interconnected array of semiconductor devices. 4,873,201, 10-10-89, Cl. 437-51.000.
- Grimmer, Derrick P.; and Wenz, Robert P., to Minnesota Mining and Manufacturing Company. Light-rechargeable battery. 4,882,239, 11-21-89, Cl. 429-7.000.
- Grimmer, George G., Jr.: *See—*
  - Sparks, Robert W.; Wilkie, Brian F.; and Grimmer, George G., Jr., 4,796,235, Cl. 365-228.000.
- Grimmer, Johannes, to BASF Aktiengesellschaft. Preparation of riboflavin. 4,806,643, 2-21-89, Cl. 544-251.000.

Grimminger, Albert; Muller, Franz-Josef; and Samann, Hans-Joachmi, to Werner & Pfleiderer GmbH. Screw tip of an extruder screw. 4,863,364, 9-5-89, Cl. 425-208.000.

Grimminger, Rolf D.: *See—*

Hanke, Peter; and Grimminger, Rolf D., 4,854,671, Cl. 350-252.000.

Grimminger, Wolf; Gorler, Klaus; and Odenthal, Karl P., to Madaus GmbH & Co. Process for the preparation of azoniaspironortropanol esters. 4,855,422, 8-8-89, Cl. 540-466.000.

Grimont, Francine (maiden name Besse): *See—*

Tchen, Paul; Desplaces, Nicole; Grimont, Patrick; and Grimont, Francine (maiden name Besse), 4,810,644, Cl. 435-91.000.

Grimont, Patrick: *See—*

Tchen, Paul; Desplaces, Nicole; Grimont, Patrick; and Grimont, Francine (maiden name Besse), 4,810,644, Cl. 435-91.000.

Grims, Conrad M.; and Johansson, Bert, to Adolph Coors Company. Redraw apparatus for a can body making apparatus. 4,807,459, 2-28-89, Cl. 72-347.000.

Grims, Conrad M.; and Moen, Bruce A., to Adolph Coors Company. Container body maker die. 4,843,863, 7-4-89, Cl. 72-349.000.

Grims, Conrad M.; and Johansson, Bert, to Adolph Coors Company. Can body making apparatus. 4,870,852, 10-3-89, Cl. 72-347.000.

Grimsley, John L.: *See—*

Freeze, Robin J.; and Grimsley, John L., 4,879,612, Cl. 360-78.060.

Grimsley, S. Allen; Robinson, James C.; and Schroeder, Mark A., to Virginia Chemicals Inc. Method of bleaching high yield pulp by using dithionite ion and excluding oxygen. 4,863,564, 9-5-89, Cl. 162-53.000.

Grimsley, S. Allen; Robinson, James C.; and Schroeder, Mark A., to Hoechst Celanese Corporation. Enhanced dithionite bleaching. 4,871,423, 10-3-89, Cl. 162-72.000.

Grimson, E. G. Differential triple-coil tester for wire rope with periodic lay effect cancellation. 4,827,216, 5-2-89, Cl. 324-241.000.

Grimstad, Ronald N.; and Daly, Michael F., to Kohler Co. Adjustable hinge assembly. 4,878,255, 11-7-89, Cl. 4-236.000.

Grina, Larry D.: *See—*

Kapuscinski, Maria M.; Grina, Larry D.; and Brugger, Lee A., 4,816,172, Cl. 252-47.000.

Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,820,776, Cl. 525-279.000.

Kapuscinski, Maria M.; Liu, Christopher S.; Jones, Ronald E.; and Grina, Larry D., 4,836,943, Cl. 252-50.000.

Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,877,415, Cl. 44-62.000.

Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,886,611, Cl. 252-47.000.

Liu, Christopher S.; Grina, Larry D.; and Kapuscinski, Maria M., 4,798,678, Cl. 252-50.000.

Liu, Christopher S.; Benfaremo, Nicholas; Kapuscinski, Maria M.; and Grina, Larry D., 4,812,261, Cl. 252-51.50A.

Liu, Christopher S.; Kapuscinski, Maria M.; Grina, Larry D.; and Jones, Ronald E., 4,842,756, Cl. 252-48.200.

Liu, Christopher S.; Clarke, Donald J.; and Grina, Larry D., 4,877,834, Cl. 525-66.000.

Grinberg, Anatoly; and Kastalsky, Alexander, to Bell Communications Research, Inc. Semiconductor device based on charge emission from a quantum well. 4,839,702, 6-13-89, Cl. 357-16.000.

Grinberg, Jan; Owechko, Yuri; Soffer, Bernard H.; and Marom, Emanuel, to Hughes Aircraft Company. Optical data processing systems and methods for matrix inversion, multiplication, and addition. 4,800,519, 1-24-89, Cl. 364-822.000.

Grinberg, Jan; and Smith, Ronald T., to Hughes Aircraft Company. Color display device and method using holographic lenses. 4,807,978, 2-28-89, Cl. 350-3.730.

Grinberg, Jan; Koda, Nubuo J.; Reif, Philip G.; Bleha, William P.; Welkowsky, Murray S.; and Ledebuhr, Arno G., to Hughes Aircraft Company. Electron beam addressed liquid crystal light valve with input sheet conductor. 4,826,293, 5-2-89, Cl. 350-331.00R.

Grinberg, Jan; Marom, Emanuel; Soffer, Bernard H.; O'Meara, Thomas R.; and Popa, Adrian E., to Hughes Aircraft Company. Method and apparatus for ultra high frequency spectrum analysis. 4,871,232, 10-3-89, Cl. 350-162.110.

Grinberg, Jan: *See—*

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Grinberg, Mark: *See—*

Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,849,547, Cl. 568-639.000.

Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,871,882, Cl. 568-639.000.

Grindahl, Mervin L.; and Denzene, Quentin S., to EnScan, Inc. Automatic/remote RF instrument monitoring system. 4,799,059, 1-17-89, Cl. 340-870.030.

Grindahl, Mervin L., to E. F. Johnson Company. Data demodulator. 4,876,700, 10-24-89, Cl. 375-87.000.

Grindal, Robert J.: *See—*

Griffin, Tony K.; Grindal, Robert J.; and Marshall, Barry R., 4,803,950, Cl. 119-14.550.

Grinde, James E.; and Kuroda, Kazuo, to Yamaha Hatsudoki Kabushiki Kaisha; and Sanshin Kogyo Kabushiki Kaisha. Compact motor/generator set for providing alternating current power to a marine craft. 4,836,123, 6-6-89, Cl. 114-270.000.

Grinde, James E. Blow molded two-compartment container. 4,860,927, 8-29-89, Cl. 222-158.000.

Grinders, Inc.: *See—*

Ephraim, Daniel R.; and Ephraim, Philip C., 4,821,966, Cl. 241-55.000.

Grindley, Thomas, to United States of America, Energy. Method for enhancing the desulfurization of hot coal gas in a fluid-bed coal gasifier. 4,832,704, 5-23-89, Cl. 48-197.00R.

Grindmaster Corporation: *See—*

Newnan, Brian D., 4,878,625, Cl. 241-37.000.

Weber, Robert L., 4,794,853, Cl. 99-295.000.

Grindon, John R., to LBP Partnership. Optical means for making measurements of surface contours. 4,846,577, 7-11-89, Cl. 356-376.000.

Grindon, John R., to LBP Partnership. Means for projecting patterns of light. 4,871,256, 10-3-89, Cl. 356-376.000.

Grindrod, Paul E.; Griesbach, Ray H.; and Cornish, Darrell G., to Oscar Mayer Foods Corporation. Method of forming a vacuum package with hermetic reclosure. 4,866,911, 9-19-89, Cl. 53-432.000.

Grindsted Products A/S: *See—*

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Grines, Tyrone C. Modular salon station. 4,840,000, 6-20-89, Cl. 52-36.000.

Grinkevich, Oleg A.: *See—*

Bezborodov, Vladimir S.; Grinkevich, Oleg A.; Grebenkin, Mikhail F.; Lapanik, Valery I.; Minko, Anatoly A.; Rzhussky, Vitaly V.; Muravsky, Anatoly A.; Petrov, Vladimir F.; and Ivaschenko, Alexandr V., 4,853,150, Cl. 252-299.610.

Grinko, Dmitry A.: *See—*

Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.

Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.

Grinnell Corporation: *See—*

Pepi, Jerome S.; and Horgan, Michael W., 4,861,075, Cl. 285-112.000.

Grinstead, Robert R., to Dow Chemical Company, The. Process for the removal of H_2S from fluid streams using a water soluble polymeric chelate of an oxidizing polyvalent metal. 4,808,385, 2-28-89, Cl. 423-226.000.

Grinstead, Robert R., to Dow Chemical Company, The. Process for the removal of H2S from fluid streams using a water soluble polymeric chelate of an oxidizing polyvalent metal. 4,859,437, 8-22-89, Cl. 423-226.000.

Grinsted, Timothy W.; and Reece, Alan R., to Soil Machine Dynamics Limited. Pipeline or cable plough. 4,802,793, 2-7-89, Cl. 405-161.000.

Grinstein, Reuben H.: *See—*

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Grinsteiner, James J.; and Maat, George J., to Navistar International Transportation Corp. Double seal thermostat. 4,856,711, 8-15-89, Cl. 236-34.500.

Grint, Alan: *See—*

Benn, Malcolm; Grint, Alan; Proud, Graeme P.; and Rand, Brian, 4,883,617, Cl. 264-29.700.

Grinwald, Israel M., to United States of America, Army. Mine roller connection for a tank. 4,813,698, 3-21-89, Cl. 280-460.100.

Grip-Pak, Inc.: *See—*

Cunningham, Ernest R., 4,817,361, Cl. 53-48.000.

Grisar, J. Martin: *See—*

Schnettler, Richard A.; Dage, Richard C.; Grisar, J. Martin; and Palopoli, Frank P., 4,868,197, Cl. 514-392.000.

Grischenko, Valentin I.; Tarasov, Valery F.; Galchenko, Sergei E.; Kalugin, Jury V.; Paraschuk, Jury S.; Luchko, Nina A.; and Chernysh, Elena N., to Institut Problem Kriobiologii Kriomeditsyny Akademii Nauk Ukrainskoi. Device for refrigeration and freezing of biological objects. 4,817,397, 4-4-89, Cl. 62-514.00R.

Grise, Frederick G., to Flexwatt Corporation. Fiber optic lens and lamp assembly and method for installing same under floor covering and the like. 4,884,865, 12-5-89, Cl. 350-96.240.

Grise, Frederick G.: *See—*

Marstiller, John A.; Bodensiek, Paul H.; and Grise, Frederick G., 4,888,089, Cl. 156-644.000.

Grise, Frederick G. J. Electrical resistance heater. 4,814,586, 3-21-89, Cl. 219-549.000.

Grise, Frederick G. J.; Martstiller, John A.; and Bodensiek, Paul H. Electric resistance heater. 4,849,255, 7-18-89, Cl. 427-122.000.

Grise, Gary D.: *See—*

Bass, Roy S., Jr.; Bhattacharyya, Arup; and Grise, Gary D., 4,870,470, Cl. 357-23.500.

Grisham, C. Lynwood: *See—*

Grisham, Fred A.; and Grisham, C. Lynwood, 4,850,144, Cl. 49-482.000.

Grisham, Fred A.; and Grisham, C. Lynwood, 4,888,924, Cl. 52-217.000.

Grisham, Fred A.; and Grisham, C. Lynwood. Door extension apparatus. 4,850,144, 7-25-89, Cl. 49-482.000.

Grisham, Fred A.; and Grisham, C. Lynwood. Door frame extension assembly. 4,888,924, 12-26-89, Cl. 52-217.000.

Grisham, John A.: *See—*

Tanton, George A.; and Grisham, John A., 4,818,881, Cl. 250-338.100.

Grishchenko, Grigory. Pressure fluid actuator. 4,838,147, 6-13-89, Cl. 92-88.000.

Griss, Elisabeth, legal representative: *See—*

Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.

Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.

Griss, Gerhart, deceased (by Griss, Elisabeth, legal representative); Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, to Boehringer Ingelheim KG. Tetrahydro-benzthiazoles, the preparation thereof and their use as intermediate products or as pharmaceuticals. 4,843,086, 6-27-89, Cl. 514-367.000.

Griss, Gerhart, deceased (by Griss, Elisabeth, legal representative); Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, to Dr. Karl Thomae GmbH. Tetrahydro-benzthiazoles, the preparation thereof and their use as intermediate products or as pharmaceuticals. 4,886,812, 12-12-89, Cl. 514-321.000.

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Thomsen, Karl V.; Darcy, John J.; Griswold, Augustus W.; Haritonoff, Boris W.; and Pond, Jacob, 4,878,985, Cl. 156-459.000.

Griswold, William A., Jr.: *See—*

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Gritter, David J., to Eaton Corporation. Current mode motor control. 4,825,132, 4-25-89, Cl. 318-811.000.

Gritters, Gregory A.: *See—*

Pye, D. Stephen; Featherstone, John L.; Gallup, Darrell L.; Gritters, Gregory A.; Hoyer, Daniel P.; and Wong, Morton M., 4,869,066, Cl. 60-641.500.

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Grivna, Edward L., to Magnetic Peripherals Inc. Metastable prevent circuit. 4,851,710, 7-25-89, Cl. 307-269.000.

Grizzly Engineering Pty. Ltd.: *See—*

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Grob & Co. Aktiengesellschaft: *See—*

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Steiner, Ernst, 4,854,351, Cl. 139-353.000.

Steiner, Ernst, 4,859,195, Cl. 439-55.000.

Grob, John J.: *See—*

Gens, Theodore A.; Tucker, Mit S.; and Grob, John J., 4,844,881, Cl. 423-574.00R.

Grobbel, Ronald M., to Syndevco, Inc. Electrical power distribution terminal block assembly. 4,854,897, 8-8-89, Cl. 439-716.000.

Grobbelaar, Jacobus H. Diamond radiation probe. 4,888,483, 12-19-89, Cl. 250-336.100.

Grobben, Henri M., to U.S. Philips Corporation. Clamping device for clamping an optical disc onto a drive spindle. 4,799,209, 1-17-89, Cl. 369-75.200.

Grobecker, Hermann; Mestdagh, Gilbert E.; and Ito, Masashi, to Polygram International Holding B.V. Cassette with tray ejection means. 4,805,770, 2-21-89, Cl. 206-309.000.

Grobecker, Hermann; Heher, Werner, Zielasek, Adelbert; and Nusselder, Frederik B., to Polygram GmbH. Storage cassette for high storage density, disc-shaped information carriers. 4,874,085, 10-17-89, Cl. 206-309.000.

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Grobl, George. Lighted lure headpiece. 4,811,513, 3-14-89, Cl. 43-17.600.

Grobler, Hans J., to Mineral Deposits Limited. Staggered spiral splitters. 4,836,926, 6-6-89, Cl. 210-512.100.

Grobly, Walter; and Stocker, Bruno. Device for the storage of objects in a plurality of containers. 4,802,715, 2-7-89, Cl. 312-299.000.

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Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.

Grobmyer, Louis R.: *See—*

Impink, Albert J., Jr.; and Grobmyer, Louis R., 4,839,134, Cl. 376-216.000.

Impink, Albert J., Jr.; Langford, Francis L., Jr.; Grobmyer, Louis R.; and Luinetti, William K., 4,877,575, Cl. 376-216.000.

Grobsky, Kevin D.: *See—*

Grant, David C.; Grobsky, Kevin D.; and Purrazzella, Joseph J., 4,863,271, Cl. 356-350.000.

Grocock, Peter G.; and Round, Philip F., to Davy McKee (Poole) Limited. Rolling mill. 4,813,259, 3-21-89, Cl. 72-245.000.

Grocott, Geoffrey J.; and Baskett, Ralph E. J., to British Pipeline Agency Limited; and STC PLC. Pipeline systems. 4,856,937, 8-15-89, Cl. 405-154.000.

Grodberg, Marcus G.; and Baylink, David J., to Colgate-Palmolive Company. Sustained release fluoride composition. 4,859,467, 8-22-89, Cl. 424-606.000.

Grodberg, Mg32arcus G., to Colgate-Palmolive Company. Sustained release fluoride and calcium composition. 4,861,590, 8-29-89, Cl. 424-602.000.

Grodd, Laurence: *See—*

Patton, Charles M.; Grodd, Laurence; and Wickes, William C., 4,868,745, Cl. 364-200.000.

Grodd, Laurence W.: *See—*

Eisenstein, Gabe L.; Grodd, Laurence W.; McClellan, Paul J.; Miller, Robert M.; Patton, Charles M.; and Wickes, William C., 4,885,714, Cl. 364-709.010.

Wickes, William C.; and Grodd, Laurence W., 4,821,228, Cl. 364-900.000.

Grodecki, Lawrence S.: *See—*

Just, Murray K.; Grodecki, Lawrence S.; Henry, James W.; and Hantke, Glenn M., 4,813,489, Cl. 172-175.000.

Grodzins, Lee: *See—*

Rose, Peter H.; Farley, Marvin; and Grodzins, Lee, 4,804,852, Cl. 250-492.100.

Groe, David E., to Sun Electric Corporation. Method and apparatus for emission testing. 4,881,183, 11-14-89, Cl. 364-550.000.

Groe, David E.: *See—*

Bahnick, Karl R.; and Groe, David E., 4,872,004, Cl. 340-825.500.

Groeber, Alfred; Hadersbeck, Hans; Mueller, Fritz; Zukier, Hubert; and Hacke, Hans J., to Siemens Aktiengesellschaft. Manufacture of fine structures for semiconductor contacting. 4,795,694, 1-3-89, Cl. 430-314.000.

Groebli, Werner; Hegelbach, Hugo; and Schaffner, Hanspeter, to Buhler, Gebruder. Press roller adjustment. 4,861,529, 8-29-89, Cl. 264-40.100.

Groeger, Klaus; and Disteirath, Winfried, to Inh. h.c.F. Porsche Aktiengesellschaft. Venting arrangement with integrated oil separator. 4,844,032, 7-4-89, Cl. 123-196.00R.

Groeger, Klaus: *See—*

Ampferer, Herbert; and Groeger, Klaus, 4,823,748, Cl. 123-336.000.

Ampferer, Herbert; and Groeger, Klaus, 4,883,031, Cl. 123-195.00C.

Groegl, Ferdinand: *See—*

Kimmich, Klaus; and Groegl, Ferdinand, 4,852,966, Cl. 350-96.230.

Groen/A Dover Industries Company: *See—*

Oslin, G. Robert, 4,835,369, Cl. 219-439.000.

Groen, Johannes P.: *See—*

In Den Kleef, Josephus J. E.; Groen, Johannes P.; and De Graaf, Rudolf G., 4,870,361, Cl. 324-309.000.

Groen, John W., to Cadbury Limited. Extrusion die for extruded product. 4,834,635, 5-30-89, Cl. 425-72.100.

Groen, John W., to Cadbury Limited. Method of tempering edible compositions. 4,865,856, 9-12-89, Cl. 426-231.000.

Groen, Marinus B.; and de Jongh, Hendrik P., to Akzo N.v. Novel 11-aryloestrane and 11-arylpregnane derivatives. 4,871,724, 10-3-89, Cl. 514-173.000.

Groenenboom, Cornelis J., to Akzo N.V. Process for cracking metal-containing hydrocarbon feedstocks. 4,810,358, 3-7-89, Cl. 208-121.000.

Groenenboom, Cornelis J.; and Wieringa, Peter A., to Akzo NV. Process for cracking hydrocarbon feeds. 4,840,724, 6-20-89, Cl. 208-120.000.

Groenendaal, John C., to Westinghouse Electric Corp. Turbine having semi-isolated inlet. 4,863,341, 9-5-89, Cl. 415-103.000.

Groenendaal, John C., Jr., to Westinghouse Electric Corp. Thermal distortion isolation system for turbine blade rings. 4,816,213, 3-28-89, Cl. 376-402.000.

Groenendaal, John C., Jr., to Westinghouse Electric Corp. Turbine inlet flow deflector and sealing system. 4,826,395, 5-2-89, Cl. 415-101.000.

Groeneveld, Dirk W. J.: *See—*

Schouwenaars, Hendrikus J.; Dijkmans, Eise C.; and Groeneveld, Dirk W. J., 4,859,930, Cl. 323-317.000.

Groeneveld, Floris J., to EL-O-MATIC-USA, Inc. Fluid motor actuator with compression spring fail-safe mechanism. 4,884,495, 12-5-89, Cl. 92-130.00C.

Groeneveld, Marinus; and Draisma, Gerardus G., to Oce-Nederland B.V. Electrophotographic process for forming a visible image. 4,826,746, 5-2-89, Cl. 430-31.000.

Groeneweg, Jan W.: *See—*

- Staal, Leendert H.; Vis, Jan C.; and Groeneweg, Jan W., 4,812,436, Cl. 502-407.000.

Groenewold, William H. Simulated animal racing track apparatus. 4,880,235, 11-14-89, Cl. 273-86.00R.

Groereveld, Dirk W. J.: *See—*

- Schouwenaars, Hendrikus J.; Dijkmans, Eise C.; and Groereveld, Dirk W. J., 4,864,215, Cl. 323-312.000.

Groetsch, John G., Jr.; Elkins, Timothy H., Jr.; and Sorrell, Charles A., to United States of America, Interior. Enhancement of titanium-aluminum alloying by ultrasonic treatment. 4,847,047, 7-11-89, Cl. 420-552.000.

Groetzinger, John K.: *See—*

- Heithoff, Robert B.; and Groetzinger, John K., 4,836,775, Cl. 432-112.000.

Groezinger, John J.; and Moldenhauer, Philip E., to Caterpillar Inc. Twist on disposable filter. 4,859,328, 8-22-89, Cl. 210-232.000.

Groezinger, Reiner: *See—*

- Wess, Othmar; Groezinger, Reiner; Isdebski, Kai; Windsheimer, Manfred; and Erhardt, Wolfgang, 4,805,600, Cl. 128-24.00A.

Grof, Franz: *See—*

- Chakraborty, Asok; Urlaub, Herbert; Grof, Franz; and Cosack, Klaus, 4,874,513, Cl. 210-321.840.

Grof, Tibor, to Greenwald, Henry. Tape releasing composition and method of using same. 4,867,981, 9-19-89, Cl. 424-443.000.

Groff, Gordon H.: *See—*

- Nichelson, William; Groff, Gordon H.; and Jones, Paul C., 4,796,878, Cl. 271-10.000.

Groff, Horace E., to Macbeth Corporation, The. Method for preparing potato chips. 4,801,467, 1-31-89, Cl. 426-438.000.

Groffman, David M.: *See—*

- Allen, William M.; Sansom, Bernard F.; Wilson, Alan D.; Prosser, Havard J.; and Groffman, David M., 4,880,628, Cl. 424-605.000.

Grogan, Larry N., to Velcro Industries B.V. Bistable panel attachment system. 4,840,339, 6-20-89, Cl. 248-205.200.

Groger, Klaus; Mittermeier, Walter; Binder, Robert; and Diehm, Volker, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Guide rail for drive chains. 4,832,664, 5-23-89, Cl. 474-111.000.

Grogg, Peter: *See—*

- Mergler, Monika; Gosteli, Jacques; and Grogg, Peter, 4,831,084, Cl. 525-333.400.

Grogl, Ferdinand; and Schmidt, Wolfgang, to Alcatel N.V. Tension-proof cable. 4,810,834, 3-7-89, Cl. 174-121.00R.

Grogl, Max: *See—*

- Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, 4,801,532, Cl. 435-7.000.
- Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, 4,855,408, Cl. 530-350.000.

Grogler, Gerhard; Ruckes, Andreas; and Hess, Heinrich, to Bayer Aktiengesellschaft. Process for the production of heat-resistant polyurethane urea elastomers. 4,882,409, 11-21-89, Cl. 528-64.000.

Grogler, Gerhard; Ruckes, Andreas; Hess, Heinrich; and Kopp, Richard, to Bayer Aktiengesellschaft. Process for the production of cold-setting polyurethane urea elastomers. 4,882,411, 11-21-89, Cl. 528-54.000.

Grogler, Gerhard: *See—*

- Hess, Heinrich; Grogler, Gerhard; and Kopp, Richard, 4,801,623, Cl. 521-157.000.
- Hess, Heinrich; Grogler, Gerhard; Kopp, Richard; Bock, Manfred; and Clarenz, Werner, 4,847,321, Cl. 524-788.000.
- Kopp, Richard; Grogler, Gerhard; Hess, Heinrich; Schafer, Hermann; and Rasshofer, Werner, 4,797,320, Cl. 428-316.600.
- Rasshofer, Werner; Grigat, Ernst; Grogler, Gerhard; Hess, Heinrich; and Kopp, Richard, 4,855,504, Cl. 564-395.000.
- Ruckes, Andreas; Grogler, Gerhard; Kopp, Richard; and Hess, Heinrich, 4,851,567, Cl. 560-330.000.
- Ruckes, Andreas; Grogler, Gerhard; and Kopp, Richard, 4,882,361, Cl. 521-51.000.

Grogp, Ulrich: *See—*

- Tacke, Peter; Grogp, Ulrich; and Idel, Karsten-Josef, 4,841,000, Cl. 525-437.000.

Groh, Allen R., to Lighting Technology, Inc. Heat-dissipating light fixture for use with tungsten-halogen lamps. 4,841,422, 6-20-89, Cl. 362-294.000.

Groh, David: *See—*

- Wittig, Norman P.; and Groh, David, 4,795,028, Cl. 206-217.000.

Groh, David M., to Borg-Warner Transmission and Engine Components Corporation. Stamped roller clutch cage with integral snap ring. 4,821,857, 4-18-89, Cl. 192-45.000.

Groh, Werner: *See—*

- Herbrechtsmeier, Peter; Fleissner, Manfred; Groh, Werner; Heumuller, Rudolf; and Wieners, Gerhard, 4,863,236, Cl. 350-96.340.

Grohe, Klaus; and Lammens, Robert, to Bayer Aktiengesellschaft. Solutions of lactic acid salts of piperazinylquinolone- and piperazinyl-azaquinolone-carboxylic acids. 4,808,583, 2-28-89, Cl. 514-254.000.

Grohe, Klaus; and Lammens, Robert, to Bayer Aktiengesellschaft. Solutions of lactic acid salts of piperazinylquinolone- and piperazinyl-azaquinolone-carboxylic acids. 4,808,585, 2-28-89, Cl. 514-230.200.

Grohe, Klaus, to Bayer Aktiengesellschaft. Topically applicable formulations of gyrase inhibitors in combination with corticosteroids. 4,844,902, 7-4-89, Cl. 424-449.000.

Grohe, Klaus; Schriewer, Michael; Zeiler, Hans-Joachim; and Metzger, Karl G., to Bayer Aktiengesellschaft. Antibacterial 1,8-bridged 4-quinoline-3-carboxylic acids. 4,847,375, 7-11-89, Cl. 544-99.000.

Grohe, Klaus; and Schriewer, Michael, to Bayer Aktiengesellschaft. Preparation of 1,8-bridged 4-quinoline-3-carboxylic acids. 4,859,773, 8-22-89, Cl. 544-101.000.

Grohe, Klaus: *See—*

- Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,806,539, Cl. 514-254.000.
- Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,820,716, Cl. 514-312.000.
- Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,840,954, Cl. 514-254.000.
- Petersen, Uwe; Schriewer, Michael; Kysela, Ernst; and Grohe, Klaus, 4,851,160, Cl. 562-853.000.
- Schriewer, Michael; and Grohe, Klaus, 4,804,760, Cl. 546-153.000.
- Schriewer, Michael; Grohe, Klaus; Hagemann, Hermann; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,816,451, Cl. 514-185.000.
- Schriewer, Michael; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,841,059, Cl. 546-312.000.
- Schriewer, Michael; and Grohe, Klaus, 4,870,182, Cl. 546-156.000.

Groher, Manfred; Heit, Werner; Schmittner, Walter; and Warzawa, Wolfgang, to Hobeg mbH. Process for overcoating granular materials. 4,857,359, 8-15-89, Cl. 427-6.000.

Grohmann, Martin, to Dresser Industries, Inc. Centrifugal pump with integral suction valve. 4,818,177, 4-4-89, Cl. 415-49.000.

Grohoski, Jane; and Marinari, Diane. Sanitary napkin dispenser. 4,827,817, 5-9-89, Cl. 83-234.000.

Grohrock, Peter, to Siemens Aktiengesellschaft. Transport container with an interchangeable inside container. 4,804,086, 2-14-89, Cl. 206-328.000.

Grohser, Dieter: *See—*

- Kraft, Dieter; and Grohser, Dieter, 4,850,300, Cl. 118-63.000.

Grois, Igor: *See—*

- Margolin, Mark; Grois, Igor; and Moore, James E., 4,842,363, Cl. 350-96.210.

Groiso, Jorge A. Orthopedic rigid splint-plate orthosis. 4,852,556, 8-1-89, Cl. 128-87.00R.

Grokhotov, Vyacheslav T.: *See—*

- Shmeleva, Ljubov A.; Chebyshev, Vladimir A.; Turkov, Robles R.; Grokhotov, Vyacheslav T.; Alexandrovich, Jury B.; Ulyantsev, Valentin I.; Varfolomeev, Dmitry F.; Pecheny, Boris G.; Vitaliev, Vladimir P.; and Sheludko, Viktor V., 4,849,094, Cl. 208-208.00R.

Grolig, Gerhard; and Schmidt, Guenther, to Hoechst Aktiengesellschaft. Coated plastic film and plastic laminate prepared therefrom. 4,855,186, 8-8-89, Cl. 428-216.000.

Grolig, Herbert: *See—*

- Binger, Bernhard; Eickhoff, Hans J.; Maier, Paul; Engstler, Anton and Grolig, Herbert, 4,796,486, Cl. 74-606.00R.

Groll, Frederick K.: *See—*

- Watt, Charles R.; Groll, Frederick K.; and Scaramuzzo, John A. Jr., 4,890,172, Cl. 360-77.040.

Groll, Herbert, to Battenfeld GmbH. Quick changing and quick gripping device for the molding tools of injection molding machines. 4,810,182, 3-7-89, Cl. 425-190.000.

Groll, Werner; Steinke, Rudi; and Schiwiora, Harry, to Degussa Aktiengesellschaft. Attachments in the field of dental technology made of noble metal alloys with melting ranges above 1500 degree celsius. 4,806,306, 2-21-89, Cl. 420-467.000.

Groll, Werner; Hathaway, Doris; and Schock, Gernot. Method of producing alloyed powders for dental amalgams. 4,859,412, 8-22-89, Cl. 419-23.000.

Groll, Werner; and Rothaut, Josef, to Degussa Atiengesellschaft. Material for facing denture. 4,863,514, 9-5-89, Cl. 75-235.000.

Groll, Werner: *See—*

- Wagner, Rudolf; Schiwiora, Harry; Stumke, Manfred; and Groll, Werner, 4,836,984, Cl. 420-464.000.

Grollier, Jean F.; and Dubief, Claude, to L'Oreal. Composition and process for treating keratinic substances with at least one anionic polymer and at least one quaternized protein. 4,796,646, 1-10-89, Cl. 132-202.000.

Grollier, Jean F., to L'Oreal. Process for dyeing human hair with brazilin or its hydroxyl derivative and compositions employed. 4,801,302, 1-31-89, Cl. 8-429.000.

Grollier, Jean F.; and Garoche, Didier, to L'Oreal. Process for dyeing keratinous fibres with 5,6-dihydroxy-indole combined with an iodide and dyeing composition employed. 4,804,385, 2-14-89, Cl. 8-423.000.

Grollier, Jean F., to L'Oreal. Cosmetic screening composition containing a UV screen in combination with a polymer obtained by block polymerization in emulsion and its use for the protection of the human epidermis against ultraviolet radiations. 4,804,531, 2-14-89, Cl. 424-47.000.

Grollier, Jean F.; and Garoche, Didier, to L'Oreal. Process for dyeing keratinous fibres with 5,6-dihydroxy-indole and hydrogen peroxide preceded or followed by a treatment with an iodide. 4,808,190, 2-28-89, Cl. 8-423.000.

Grollier, Jean F., to L'Oreal. Composition in the form of a gel for inducing and stimulating hair growth and for decreasing their loss based on piperidinopyrimidine derivatives. 4,820,512, 4-11-89, Cl. 424-70.000.

Grollier, Jean F., to L'Oreal. Dentifrice containing a poly(hydroxypropyl ether) non-ionic surfactant and a salt of a specific derivative of a protein degradation product. 4,828,824, 5-9-89, Cl. 424-52.000.

Grollier, Jean F.; and Rosenbaum, Georges, to L'Oreal. Composition for coloring skin. 4,832,943, 5-23-89, Cl. 424-59.000.

Grollier, Jean F., to L'Oreal. Dyeing compositions for keratin fibers based on direct dyestuffs and xanthane gums. 4,834,768, 5-30-89, Cl. 8-405.000.

Grollier, Jean F., to L'Oreal. Oral care composition in the form of aerosol foam. 4,834,969, 5-30-89, Cl. 424-49.000.

Grollier, Jean F.; Dubief, Claude; and Mondet, Jean, to L'Oreal. Cosmestic compositions containing a cationic polymer and an anionic polymer as thickening agent. 4,839,166, 6-13-89, Cl. 424-71.000.

Grollier, Jean F., to L'Oreal. Dentifrice containing a poly(hydroxypropyl ether) non-ionic surfactant and a specified cationic polymer. 4,840,787, 6-20-89, Cl. 424-52.000.

Grollier, Jean F.; Fiquet, Claire; Fourcadier, Chantal; Dubief, Claude; Mondet, Jean; and Cauwet, Daniele, to L'Oreal. Composition intended for the treatment of keratin fibres, based on a cationic polymer and an anionic polymer containing vinylsulphonic groups. 4,842,849, 6-27-89, Cl. 424-70.000.

Grollier, Jean F.; and Dubief, Claude, to L'Oreal. Polyamino amides for protecting hair against atmospheric attack, and in particular against light, and process for protecting hair employing such polyaminoamides. 4,842,851, 6-27-89, Cl. 424-70.000.

Grollier, Jean F.; Fourcadier, Chantal; and Courtois, Monique, to L'Oreal. Detergent and foaming cosmetic composition delaying the regreasing of hair. 4,851,154, 7-25-89, Cl. 252-546.000.

Grollier, Jean F., to L'Oreal. Dentifrice gel. 4,857,303, 8-15-89, Cl. 424-52.000.

Grollier, Jean F.; and Dubief, Claude, to L'Oreal. Cosmetic compositions based on cationic polymers and alkyloxazoline polymers. 4,867,966, 9-19-89, Cl. 424-71.000.

Grollier, Jean F.; Dubief, Claude; and Cauwet, Daniele, to L'Oreal. Aqueous delayed-foaming cosmetic composition for hair and skin treatment. 4,871,530, 10-3-89, Cl. 424-47.000.

Grollier, Jean F.; and Cotteret, Jean, to L'Oreal. Alkyl derivatives of hydroquinone as antioxidants in oxidation dyeing compositions. 4,875,902, 10-24-89, Cl. 8-406.000.

Grollier, Jean F.; and Dupuis, Christine, to L'oreal. Composition in the form of an aerosol foam, based on a polymer derived from quaternized cellulose and an anionic polymer. 4,876,083, 10-24-89, Cl. 424-47.000.

Grollier, Jean F.; and Fourcadier, Chantal, to L'Oreal. Cosmetic composition containing oxathiazinones. 4,876,085, 10-24-89, Cl. 424-47.000.

Grollier, Jean F.; Dubief, Claude; and Mondet, Jean, to L'Oreal. Use of partially acetylated polyvinyl alcohol as a foaming agent in compositions in the form of aerosols. 4,880,618, 11-14-89, Cl. 424-43.000.

Grollier, Jean F.; and Garoche, Didier, to L'Oreal. Process for dyeing keratinous fibres with indole derivatives combined with an iodide. 4,885,006, 12-5-89, Cl. 8-423.000.

Grollier, Jean F.; and Garoche, Didier, to L'Oreal. Process for dyeing keratinous fibers with 5,6-dihydroxyindole in combination with an iodide and a hydrogen peroxide composition at alkaline pH. 4,888,027, 12-19-89, Cl. 8-423.000.

Grollier, Jean F.: *See—*

- Manoury, Philippe; and Grollier, Jean F., 4,885,296, Cl. 514-252.000.
- Rosenbaum, Georges; and Grollier, Jean F., 4,837,006, Cl. 424-47.000.
- Vanlerberghe, Guy; Sebag, Henri; Lagoutte, Michele; and Grollier, Jean F., 4,879,107, Cl. 424-70.000.

Grollier, Jean-Francois, to L'Oreal. Device for preparing and dispensing a product consisting of two components and the corresponding process. 4,796,812, 1-10-89, Cl. 239-303.000.

Grollier, Jean-Francois; and Beauquey, Bernard, to Societe Anonyme dite: L'Oreal. Capillary cosmetic composition for washing disentangling hair containing a plant extract containing saponins. 4,800,080, 1-24-89, Cl. 424-74.000.

Grollier, Jean-Francois; Peritz, Lyonel; and Bouix, Herve F., to L'Oreal. Forming in situ a composition consisting of two separately packaged constituents and dispensing assembly for carrying out this process. 4,823,985, 4-25-89, Cl. 222-1.000.

Grollier, Jean-Francois; and Fourcadier, Chantal, to L'Oreal. Cosmetic composition for the treatment of the hair and scalp containing in combination a poly-beta-alanine and nicotinic acid or an ester thereof. 4,840,790, 6-20-89, Cl. 424-70.000.

Grollier, Jean-Francois; Allec, Josiane; Fourcadier, Chantal; Rosenbaum, Georges; and Darmenton, Patrick, to Societe Anonyme dite: l'Oreal. Cosmetic composition for the treatment of the hair and skin comprising a powder of flowers or flower tops and a cohesion agent. 4,880,621, 11-14-89, Cl. 424-74.000.

Grollier, Jean-Francois; and Maignan, Jean, to L'Oreal. Cosmetic composition for the treatment of oily skin and hair based on di(beta-hydroxyethyl) sulfoxide and the use thereof. 4,888,164, 12-19-89, Cl. 424-63.000.

Grollier, Jean-Francois: *See—*

- Lang, Gerard; Malaval, Alain; Grollier, Jean-Francois; and Rosenbaum, Georges, 4,867,751, Cl. 8-405.000.
- Lang, Gerard; Forestier, Serge; Hocquaux, Michel; Grollier, Jean-Francois; and Rosenbaum, Georges, 4,888,026, Cl. 8-405.000.

Grollimund, Everett C.; Brookman, Donald L.; and Spiers, Steven F., to Philip Morris Incorporated. System and method for use in handling and delaminating bobbins of paper material. 4,821,972, 4-18-89, Cl. 242-56.00R.

Grollimund, Everett C.; and Angus, William H. Dual flosser. 4,832,062, 5-23-89, Cl. 132-327.000.

Grollimund, Everett C.: *See—*

- Angus, William H.; and Grollimund, Everett C., 4,828,494, Cl. 433-215.000.
- Brookman, Donald L.; Merrill, David E.; and Grollimund, Everett C., 4,840,694, Cl. 156-344.000.

Grollmann, Thomas: *See—*

- Stadele, Norbert; Grollmann, Thomas; and Dinkelmann, Friedrich, 4,862,686, Cl. 57-1.00R.

Groman, Ernest V.; Josephson, Lee; and Lewis, Jerome M., to Advanced Magnetics, Incorporated. Biologically degradable superparamagnetic materials for use in clinical applications. 4,827,945, 5-9-89, Cl. 128-653.000.

Grome, Donald C.; Moore, Joseph F.; Myers, Terry L.; Ryan, Thomas J.; and Wilkinson, Kenneth E., to WearEver-ProctorSilex, Inc. ADC coffee maker. 4,825,759, 5-2-89, Cl. 99-307.000.

Gromelski, Stanley J., Jr.: *See—*

- Golder, Michael D.; and Gromelski, Stanley J., Jr., 4,797,437, Cl. 524-100.000.

Grommes, Helmut: *See—*

- Kiefer, Dieter; and Grommes, Helmut, 4,860,962, Cl. 241-117.000.

Gronau, Arthur W.; and Gronau, Gregory S. Sleeper for the attachment of covering material to a surface. 4,856,250, 8-15-89, Cl. 52-480.000.

Gronau, Gregory S.: *See—*

- Gronau, Arthur W.; and Gronau, Gregory S., 4,856,250, Cl. 52-480.000.

Gronau, Karl H.: *See—*

- Fischer, Hans-Otto; and Gronau, Karl H., 4,863,351, Cl. 416-203.000.

Gronau, Kurt, to B&G-Fordertechnik GmbH. Wire-removing machine. 4,850,087, 7-25-89, Cl. 29-33.00R.

Grone, Dieter: *See—*

- Von Jordan, Wenzel; Draf, Rolf; Grone, Dieter; and Sauer, Harald, 4,877,598, Cl. 423-640.000.

Gronowski, Paul E.; Peng, Victor; and Gavrielov, Nachum M., to Digital Equipment Corporation. Apparatus and method for acceleration of effective subtraction procedures by the approximation of the absolute value of the exponent argument difference. 4,858,165, 8-15-89, Cl. 364-748.000.

Gronsfeld, Josef; Jacobi, Hatto; and Baethmann, Hans-Juergen, to Mannesmann AG. Determining impurities in samples. 4,875,371, 10-24-89, Cl. 73-598.000.

Gronskog, Lennart A.; and McGrath, Timothy P., to Computer Accessories Corporation. Stand-by power system. 4,823,019, 4-18-89, Cl. 307-66.000.

Gronwoldt, Dieter: *See—*

- Schnoor, Christian; and Gronwoldt, Dieter, 4,829,603, Cl. 2-69.000.

Groo, Dora: *See—*

- Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo , 4,859,682, Cl. 514-288.000.
- Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; and Laszlovszky, Istvan, 4,874,765, Cl. 514-255.000.
- Toth, Edit; Kiss, Bela; Turley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,866,062, Cl. 514-255.000.
- Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,868,184, Cl. 514-255.000.
- Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, 4,810,709, Cl. 514-283.000.

Groobert, Daniel, to Food Trends, Inc. Method of making extruded frozen cheesecake product. 4,795,650, 1-3-89, Cl. 426-306.000.

Groome, John M.: *See—*

- Bowen, John G.; and Groome, John M., 4,853,517, Cl. 219-271.000.

Grooms, Jamie M.: *See—*

- Glowczewskie, Frank P., Jr.; Litwak, Alfred A.; Grooms, Jamie M.; and Lyle, John W., 4,863,473, Cl. 623-16.000.

Grooms, Joseph J. Method and apparatus for installing continuous lengths of material. 4,811,918, 3-14-89, Cl. 242-55.200.

Grooms, Reginald M. Ear-mounted alarm clock. 4,821,247, 4-11-89, Cl. 368-63.000.

Groopman, John D.; and Wogan, Gerald N., to Massachusetts Institute of Technology; and Boston University. Affinity column and process for detection of low molecular weight toxic substances 4,818,687, 4-4-89, Cl. 436-518.000.

Groopman, John D.; Wogan, Gerald N.; Bargoot, Frederick G.; and Ferrari, Christopher, to Massachusetts Institute of Technology; and Boston University. Affinity column and process for detection of low molecular weight toxic substances. 4,859,611, 8-22-89, Cl. 436-518.000.

Groot, Hans: *See—*

- Taylor, Raymond E.; Groot, Hans; and Vaughn, Weldon E., 4,865,461, Cl. 374-55.000.

Groot, William P.: *See—*

- Petersen, Borge; and Groot, William P., 4,875,670, Cl. 271-265.000.

Groothoff, Adriaan J., to U.S. Philips Corporation. Method of manufacturing an electro-magnetic deflection unit for a cathode ray tube. 4,819,323, 4-11-89, Cl. 29-605.000.

Groothoff, Adriaan J.; Sluyterman, Albertus A. S.; Overdijk, Dik R.; and Van Maastricht, Jacob, to U.S. Philips Corp. Method of manufacturing an electromagnetic deflection unit. 4,823,460, 4-25-89, Cl. 29-605.000.

Groothoff, Hermann: *See—*

- Lekholm, Anders; Fahlstroem, Ulf; and Groothoff, Hermann, 4,840,186, Cl. 128-784.000.

Grootjans, Jacques F.; and Bredael, Pierre J., to Labofina, S.A. Process for treating gas oils. 4,810,356, 3-7-89, Cl. 208-59.000.

Grootjans, Jacques F.; and Bredael, Pierre J., to Labofina, S.A. Process for dewaxing gas oils. 4,842,717, 6-27-89, Cl. 208-118.000.

Grootjans, Jacques F.: *See—*
Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; Grootjans, Jacques F.; and Cahen, Raymond M., 4,831,200, Cl. 585-259.000.

Groover, Phillip B.; and Phillips, Paul A., to Coca-Cola Company, The. Increased column/selectivity vender. 4,823,983, 4-25-89, Cl. 221-92.000.

Groover, Robert, III; Haken, Roger A.; and Holloway, Thomas C., to Texas Instruments Incorporated. Process for making integrated circuits having titanium nitride triple interconnect. 4,804,636, 2-14-89, Cl. 437-52.000.

Groover, Robert, III: *See—*
Esquivel, Agerico L.; Groover, Robert, III; and Tigelaar, Howard L., 4,855,800, Cl. 357-23.500.
Tigelaar, Howard L.; Haken, Roger A.; Holloway, Thomas C.; and Groover, Robert, III, 4,814,854, Cl. 357-67.000.

Groper, Morel: *See—*
Siev, Avinadav; Groper, Morel; Siev, Ahron; and Siev, Rami, 4,808,973, Cl. 340-545.000.

Gros, Jacques, to Societe Industrielle d'Equiptment Technique d'Appareils de Manutention. Device for transporting objects which pass within tanks, a method of conveying objects and an installation for treatment of objects. 4,831,962, 5-23-89, Cl. 118-423.000.

Gros, Pierre: *See—*
Arens, Georges; Delvaux, Jacques; and Gros, Pierre, 4,856,614, Cl. 181-104.000.
Staron, Philippe; and Gros, Pierre, 4,811,814, Cl. 181-108.000.

Grosbard, Gregory. Method and composition for enhancing properties of barrier coatings. 4,824,701, 4-25-89, Cl. 427-385.500.

Grosbard, Gregory. Magnetically suspended acoustical speaker. 4,860,370, 8-22-89, Cl. 381-197.000.

Grosch, Karl, to Julius & August Erbsloh GmbH & Co. Spacer for panes of multiple-pane windows. 4,838,006, 6-13-89, Cl. 52-790.000.

Grosch, Michael: *See—*
Breitbarth, Friedrich-Wilhelm; Tiller, Hans-Jurgen; Grosch, Michael; Schmidt, Albert; Janda, Ralf; and Oppawsky, Steffen, 4,799,753, Cl. 350-96.180.

Grosch, Peter: *See—*
Dorn, Karsten; Grosch, Peter; and Kremer, Ingo, 4,880,669, Cl. 427-210.000.

Grosch, Walter: *See—*
Henkelmann, Jochem; Eggersdorfer, Manfred; Grosch, Walter; Schuhmacher, Alfred; and Siegel, Hardo, 4,853,481, Cl. 562-460.000.

Grose, Brian L.; and Skousen, Orval N., to Eyring Research Institute, Inc. Broad band impedance matching system and method for low-profile antennas. 4,825,224, 4-25-89, Cl. 343-860.000.

Grosfeld, Haim: *See—*
Velan, Baruch; Cohen, Sara; Grosfeld, Haim; and Shafferman, Avigdor, 4,877,865, Cl. 530-351.000.

Grosfilley, Jean-Pierre; and Dumoulin, Jean-Louis. Disposable toothbrush with a dose of toothpaste. 4,844,641, 7-4-89, Cl. 401-176.000.

Grosgebauer, Roger A.: *See—*
Bolieau, Christopher W.; and Grosgebauer, Roger A., 4,829,765, Cl. 60-250.000.

Groshens, Pierre, to Lainiere de Picardie. Backing cloth with a knitted underlayer, intended for lined garments as well as manufacturing methods and applications for preparing linings. 4,869,081, 9-26-89, Cl. 66-192.000.

Groshens, Pierre, to Lainiere de Picardie. Fusible textile product and method of manufacture. 4,874,655, 10-17-89, Cl. 428-198.000.

Groshong, Judson C.: *See—*
Davis, Bradley D.; Groshong, Judson C.; and Marcel, Leonard J., 4,849,948, Cl. 368-10.000.
Groshong, Leroy E.; Groshong, Judson C.; and Brawn, R. James, deceased, 4,838,860, Cl. 604-152.000.

Groshong, Leroy E.; Groshong, Judson C.; and Brawn, R. James, deceased (by Fisher, Stanley C., administrator), to Pump Controller Corporation. Infusion pump. 4,838,860, 6-13-89, Cl. 604-152.000.

Grosjean, Lola G.: *See—*
Cox, Ronald C.; Grosjean, Robert E.; Grosjean, Lola G.; and Grosjean, Victor E., 4,830,330, Cl. 249-85.000.

Grosjean, Pierre, to Rhone-Poulenc Films. Adhesive composite polyester films. 4,868,051, 9-19-89, Cl. 428-336.000.

Grosjean, Pierre, to Rhone-Poulenc Films. Composite PVDC-coated polyester films. 4,868,064, 9-19-89, Cl. 428-483.000.

Grosjean, Pierre, to Rhone-Poulenc Films. Thick composite polyester films. 4,883,706, 11-28-89, Cl. 428-215.000.

Grosjean, Pierre: *See—*
Charmot, Dominique; and Grosjean, Pierre, 4,880,700, Cl. 428-337.000.

Grosjean, Robert E.: *See—*
Cox, Ronald C.; Grosjean, Robert E.; Grosjean, Lola G.; and Grosjean, Victor E., 4,830,330, Cl. 249-85.000.

Grosjean, Victor E.: *See—*
Cox, Ronald C.; Grosjean, Robert E.; Grosjean, Lola G.; and Grosjean, Victor E., 4,830,330, Cl. 249-85.000.

Grosklos, John R.; and Schlegel, Dallas E., to AMP Incorporated. Terminal crimping apparatus having means for preventing misfeeding of the terminal strip. 4,821,383, 4-18-89, Cl. 29-33.00M.

Groslambert, Jacques; and Brunet, Michel, to Centre National d'Etudes Spatiales. Clocking device of substantially constant stability for short-term and long-term time measurement. 4,845,692, 7-4-89, Cl. 368-156.000.

Grosman, Isaac. Erection of structures on uneven foundation sites. 4,867,609, 9-19-89, Cl. 405-195.000.

Gross, Akiva T.: *See—*
Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,810,817, Cl. 560-40.000.
Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,873,359, Cl. 560-40.000.

Gross, Alan E.: *See—*
Adams, Richard H.; Gross, Alan E.; Jelatis, Demetrius G.; Jennrich, Carleton E.; and Marohl, Rudolph O., 4,631,531, Cl. 364-424.010.

Gross, Alexander L.: *See—*
Franklin, Craig A.; Parracho, Rui M.; Smith, Lloyd S.; Bunch, Richard P.; Boys, Jack A., II; Gross, Alexander L.; and Pagluiso, Robert W., 4,794,707, Cl. 36-107.000.

Gross, Anthony E.; and Bonin, Jacqueline L., to Nalco Chemical Company. Anionic acrylamide polymers as copper ore agglomeration aids. 4,875,935, 10-24-89, Cl. 75-117.000.

Gross, Bill B.: *See—*
Halasa, Adel F.; Gross, Bill B.; Cox, Joel L.; and Balogh, George F., 4,843,120, Cl. 525-53.000.

Gross, Clifford M., to Hospital For Joint Diseases Orthopedic Inst. Bag for mail and the like. 4,802,773, 2-7-89, Cl. 383-16.000.

Gross, Daniel; Revillet, Georges; Vasey, Francois; and Arditi, Marcel, to Canon Kabushiki Kaisha. Apparatus for stabilizing an image focused by a photographic lens onto a photosensitive surface. 4,864,339, 9-5-89, Cl. 354-202.000.

Gross, David C.; Haig, Connie L.; and Rich, Jonathan D., to General Electric Company. High strength silicone foam, and methods for making. 4,810,728, 3-7-89, Cl. 521-82.000.

Gross, David C.; Lewis, Larry N.; and Haig, Connie L., to General Electric Company. Method for reducing silicone foam density and silicone foam compositions. 4,840,974, 6-20-89, Cl. 521-85.000.

Gross, David C.; Lewis, Larry N.; and Haig, Connie L., to General Electric Company. Method for reducing silicone foam density and silicone foam compositions. 4,851,452, 7-25-89, Cl. 521-134.000.

Gross, David C.: *See—*
Stein, Judith; Wengrovius, Jeffrey H.; Engle, Lori P.; Gross, David C.; and Hallgren, John E., 4,826,915, Cl. 524-731.000.
Uriarte, Richar J.; and Gross, David C., 4,808,634, Cl. 521-87.000.

Gross, David M., to Synchro-Start Products, Inc. Solenoid with manual actuation mechanism. 4,871,989, 10-3-89, Cl. 335-164.000.

Gross, Dennis M., to Vail, James C. Tillage point. 4,813,491, 3-21-89, Cl. 172-699.000.

Gross, Douglas P. Miniature golf game apparatus. 4,875,680, 10-24-89, Cl. 273-87.00B.

Gross, Edward J., to Sundawn Inc. Winter front for the grill of a motor vehicle. 4,883,139, 11-28-89, Cl. 180-68.600.

Gross, Edward J., to Sundawn Inc. Deflector screen for motor vehicle. 4,883,303, 11-28-89, Cl. 296-91.000.

Gross, Erwin: *See—*
Normann, Norbert; Gross, Erwin; and Schlager, Harald, 4,862,303. Cl. 360-110.000.

Gross & Froelich GmbH & Co.: *See—*
Hezel, Bruno, 4,807,328, Cl. 16-47.000.

Gross, Garry L.: *See—*
Donley, Shawn T.; Gross, Garry L.; and Koper, Judith L. 4,866,361, Cl. 318-584.000.

Gross-Given Manufacturing Company: *See—*
Wigg, Martin E.; Peckjian, Bryan M.; and Smith, Judson D., Jr., 4,852,766, Cl. 221-96.000.

Gross, H. Guenter: *See—*
Becker, Gerhard; Gross, H. Guenter; and Schoening, Josef, 4,847,040, Cl. 376-299.000.

Gross, Heinz; Pohlmann, Klaus E.; and Schikowsky, Harmut, to ROHM GmbH Chemische Fabrik. Apparatus for face welding bundles of thermoplastic moldings under pressure. 4,797,173, 1-10-89, Cl. 156-498.000.

Gross, Heinz, to Rohm GmbH Chemische Fabrik. Process for the production of a hollow chamber plate of synthetic material. 4,877,474, 10-31-89, Cl. 156-244.130.

Gross, Heinz: *See—*
Graf, Gunter; Gross, Heinz; and Sponagel, Stefan, 4,850,097, Cl. 29-511.000.
Graf, Gunter; Gross, Heinz; and Sponagel, Stefan, 4,861,536, Cl. 264-108.000.
Krebs, Rolf; Welsing, Otto; Retzlaff, Friedhelm; Gunter, Friedhelm; Wahl, Hans-Jurgen; Gerber, Manfred; and Gross, Heinz, 4,827,099, Cl. 219-121.630.

Gross, James R., to Kendall Company, The. Multifunction connector for a breathing circuit. 4,852,563, 8-1-89, Cl. 128-202.270.

Gross, James R.: *See—*
McWhorter, Daniel M.; Gross, James R.; and Steigerwald, Carl J., 4,815,477, Cl. 128-766.000.

Gross, Jan S. Advertising cover for fluorescent lighting. 4,856,216 8-15-89, Cl. 40-559.000.

Gross, Jeffrey S.: *See—*
Malcmacher, Louis J.; and Gross, Jeffrey S., 4,878,842, Cl. 433-72.000.

Gross, John T.: *See—*
Genovese, Carmen E.; Patch, David B.; Westerfield, David A.; Gross, John T.; and Dumas, Christopher C., 4,825,852, Cl. 128-25.00R.

Gross, Jonathan, to Mobil Oil Corporation. Method and apparatus for measuring and controlling thermoplastic foam sheet blow-up. 4,832,885, 5-23-89, Cl. 264-40.600.

Gross, Jonathan, to Mobil Oil Corporation. Method and apparatus for measuring and controlling blow-up of a foam sheet in a thermoformer oven. 4,877,564, 10-31-89, Cl. 264-40.600.

Gross, Joseph; Lowenstein, David; Tilman, Menachem; Rosenberg, Etan; and Orian, Amelia, to General Ideas & Products Ltd. Tool for loosening fasteners. 4,794,830, 1-3-89, Cl. 81-466.000.

Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, to Hair Remover Ltd. Device for removing hair. 4,807,624, 2-28-89, Cl. 128-355.000.

Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, to Hair Remover Ltd. Depilatory device for removing hair. 4,825,867, 5-2-89, Cl. 128-355.000.

Gross, Joseph; Lowenstein, David; Tilman, Menachem; and Rosenberg, Etan, to General Ideas & Products Ltd. Massaging appliance. 4,858,600, 8-22-89, Cl. 128-65.000.

Gross, Jurgen; and Beneke, Ulrich, to Paul Hettich GmbH & Co. Hinge for connecting two relatively movable furniture components. 4,847,948, 7-18-89, Cl. 16-251.000.

Gross, Jurgen; and Karger, Matthias, to Hoechst Aktiengesellschaft. Device for evaluating test strips. 4,867,946, 9-19-89, Cl. 422-68.000.

Gross, Karl: *See—*
Drexel, Peter; Erne, Hans; Gosdowski, Gerhard; Gross, Karl; Kirsten, Ulrich; and Leisner, Ernst, 4,880,265, Cl. 294-86.400.

Gross, Kenny C., to United States of America, Energy. Expert system for surveillance and diagnosis of breach fuel elements. 4,803,040, 2-7-89, Cl. 376-216.000.

Gross, Laurence H.; Silverman, Robert L.; and Umpleby, Jeffrey D., to Union Carbide Corporation. Water curable compositions of silane containing olefin polymers. 4,806,594, 2-21-89, Cl. 525-64.000.

Gross, Laurence H.; and Bartlett, Thorne M., to Union Carbide Corporation. Process for grafting diacid anhydrides. 4,857,600, 8-15-89, Cl. 525-285.000.

Gross, Mario, to Robot Foto und Electronic GmbH U. Co. KG. Stationary traffic monitoring device. 4,887,080, 12-12-89, Cl. 340-937.000.

Gross, Michael: *See—*
Becker, Norbert; and Gross, Michael, 4,821,654, Cl. 110-236.000.

Gross, Michal E.: *See—*
Green, Martin L.; and Gross, Michal E., 4,851,895, Cl. 357-67.000.

Gross, Miroslay K., to Eastman Kodak Company. Mount for an optical element. 4,880,301, 11-14-89, Cl. 350-636.000.

Gross, Paul; and Wiegand, Udo, to Wella Aktiengesellschaft. Composition for setting the hairdo and grooming the hair. 4,865,838, 9-12-89, Cl. 424-47.000.

Gross, Rainer; and Schramm, Matthias, to Bayer Aktiengesellschaft. Dihydropyridine combination product comprising a dihydropyridine compound and a cardioactive nitrate. 4,886,820, 12-12-89, Cl. 514-356.000.

Gross, Rainer: *See—*
Franckowiak, Gerhard; Kayser, Michael; Schramm, Matthias; Thomas, Gunther; Gross, Rainer; Perzborn, elisabeth; and Seuter, Friedel, 4,876,254, Cl. 514-252.000.
Franckowiak, Gerhard; Bechem, Martin; Gross, Rainer; Hebisch, Siegfried; and Schramm, Matthias, 4,886,804, Cl. 514-252.000.
Franckowiak, Gerhard; Marhold, Albrecht; Bechem, Martin; Gross, Rainer; Kayser, Michael; Schramm, Matthias; and Thomas, Gunther, 4,886,816, Cl. 514-338.000.
Goldmann, Siegfried; Schramm, Matthias; Gross, Rainer; Thomas, Gunther; Bechem, Martin; and Kayser, Michael, 4,804,667, Cl. 514-302.000.

Gross, Richard L., to Wilson Jones Company. Trigger mechanism for ring binder. 4,813,803, 3-21-89, Cl. 402-38.000.

Gross, Richard L., to Wilson Jones Company. Nonmagnetic copyholder and clip. 4,882,863, 11-28-89, Cl. 40-352.000

Gross, Robert. Toxic waste storage facility. 4,875,805, 10-24-89, Cl. 405-128.000.

Gross, Steven E. Hunting jacket including arm support for use while carrying a gun. 4,882,786, 11-28-89, Cl. 2-94.000.

Gross, Sylvia. Emergency warning brake system. 4,876,525, 10-24-89, Cl. 340-436.000.

Gross, William H., to Elantec. Buffer amplifier. 4,827,223, 5-2-89, Cl. 330-267.000.

Gross, William H.; and Cecil, James B., to Elantec. Digital protection circuit and method for linear amplifier. 4,878,034, 10-31-89, Cl. 330-298.000.

Gross, Wolfgang, to Siemens Aktiengesellschaft. Power thyristor. 4,868,636, 9-19-89, Cl. 357-71.000.

Grossbach, Rudolf: *See—*
Lierke, Ernst-Gunter; Grossbach, Rudolf; Heide, Wolfgang; Flogel, Karl; and Junger, Martin, 4,798,332, Cl. 239-102.200.

Grossberg, Stephen; and Mingolla, Ennio, to Boston University, The Trustees of. Neural networks for machine vision. 4,803,736, 2-7-89, Cl. 382-22.000.

Grossberg, Stephen; and Kuperstein, Michael, to Boston University, Trustees of. Massively parellel real-time network architectures for robots capable of self-calibrating their operating parameters through associative learning. 4,852,018, 7-25-89, Cl. 364-513.000.

Grosschadl, Werner: *See—*
Klammer, Josef; and Grosschadl, Werner, 4,874,104, Cl. 220-4.00B.

Grosse Bley, Werner, to Leybold-Heraeus GmbH. Leak detector calibrating device. 4,794,784, 1-3-89, Cl. 73-1.00G.

Grosse, Daniel J.: *See—*
Eeg, Edward G.; Grosse, Daniel J.; and Schaefer, Emer E., 4,815,631, Cl. 220-403.000.

Grosse, Hans-Helmut: *See—*
Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

Grosse, Heinz; Koch, Friedrich-Otto; Peeck, Adolf; and Wennemann, Werner, to Hoechst Werke AG. Multi-layer helical seam steel pipe. 4,823,847, 4-25-89, Cl. 138-143.000.

Grosse, Jurgen; Schimmel, Gunther; and Hofmann, Bernhard, to Hoechst Aktiengesellschaft. Process for purifying phosphorous acid. 4,834,960, 5-30-89, Cl. 423-316.000.

Grosse-Kohorst, Berthold: *See—*
Benning, Friedrich; and Grosse-Kohorst, Berthold, 4,805,264, Cl. 16-267.000.

Grosse-Scharmann, Franz: *See—*
Gattermann, Bernd; Steenken, Bernhard; Grosse-Scharmann, Franz; and Muller, Horst, 4,798,271, Cl. 192-18.00R.

Grosselfinger, Robert A.; and Carras, Andrew N. Demand control of variable geometry gas turbine power plant. 4,813,226, 3-21-89, Cl. 60-39.200.

Grosselin, Daniel; and Coutin, Pierre F., to R. Alkan & Cie. Device for carrying and releasing a load such as a missile. 4,870,885, 10-3-89, Cl. 89-1.819.

Grosselin, Pascal, to IMAJE, S.A. Pressure regulator with integrated sensor. 4,860,787, 8-29-89, Cl. 137-487.500.

Grosser, Helmut: *See—*
Meins, Juergen; Grosser, Helmut; and Holzinger, Gerhard, 4,866,380, Cl. 324-207.000.
Meins, Jurgen; and Grosser, Helmut, 4,812,757, Cl. 324-207.000.

Grosser, Joel H.: *See—*
Spenadel, Lawrence; Grosser, Joel H.; and Dwyer, Stephen M., 4,843,129, Cl. 525-240.000.

Grossert, Franz: *See—*
Dorweiler, Harald; Elter, Claus; Grossert, Franz; Schmitt, Hermann; Rohark, Guenter; and Schoening, Josef, 4,863,672, Cl. 376-226.000.

Grosshauser, Heinrich K.; and Schneider, Georg, to Koenig & Bauer Aktiengesellschaft. Printing plate fastening and tensioning assembly. 4,848,229, 7-18-89, Cl. 101-382.100.

Grosshauser, Heinrich K.: *See—*
Bolza-Schunemann, Hans Berhard; and Grosshauser, Heinrich K., 4,833,984, Cl. 101-220.000.

Grossi, Lucio. Compact automatic coffee-making machine more particularly for domestic use. 4,796,521, 1-10-89, Cl. 99-287.000.

Grossi, Lucio. Automatic compact machine for the production of coffee and infusions, especially for domestic use. 4,885,986, 12-12-89, Cl. 99-289.00R.

Grossie, Bruce, Jr.: *See—*
Ajani, Jaffer; Grossie, Bruce, Jr.; Nishioka, Kenji; and Ota, David M., 4,859,452, Cl. 424-10.000.

Grossier, Francois: *See—*
Sylviane, Bitoune; Grossier, Francois; LeCreff, Maurice; Ralala, Gerard; and Geffroy, Dominique, 4,808,919, Cl. 324-158.00F.

Grossiord, Claude, to S.T. Dupont. Device for detecting the liquid level in a tank, particularly a lighter tank and tank provided with such device. 4,809,551, 3-7-89, Cl. 73-327.000.

Grosskopf, Rudiger; and Kessler, Christoph, to Boehringer Mannheim GmbH. Restriction endonuclease DRA II. 4,840,901, 6-20-89, Cl. 435-91.000.

Grosskopf, Rudiger; and Kessler, Christoph, to Boehringer Mannheim GmbH. Restriction endonucleas DRA III. 4,863,858, 9-5-89, Cl. 435-91.000.

Grosskopf, Rudolf: *See—*
Ballmer, Horst; and Grosskopf, Rudolf, 4,876,535, Cl. 340-825.340.

Grosskopf, Rudolf E., to Carl-Zeiss-Stiftung. Microscope system for providing three-dimensional resolution. 4,873,653, 10-10-89, Cl. 364-525.000.

Grosslight, Jane S. Rub and show graphics. 4,868,020, 9-19-89, Cl. 428-29.000.

Grossman, Arthur A.: *See—*
Marshall, Thomas C.; Schlesinger, S. Perry; Grossman, Arthur A.; and Chen, Shien-Chi, 4,825,441, Cl. 372-2.000.

Grossman, Hyman: *See—*
Coville, William E.; Grossman, Hyman; and Sokol, Michael, 4,818,493, Cl. 422-102.000.

Grossman, James M.: *See—*
Beaman, David R.; Grossman, James M.; and Bello, Alfonso, 4,866,630, Cl. 364-474.020.

Grossman, Julius: *See—*
Taylor, Charles J.; Grossman, Julius; Fischer, Jacqueline; Smith, Howard A.; Peckerar, Martin C.; and Rebbert, Milton L., 4,818,661, Cl. 430-320.000.

Grossman, Mark W.; and George, William A., to GTE Products Corporation. Filter for isotopic alteration of mercury vapor. 4,800,284, 1-24-89, Cl. 250-505.100.

Grossman, Mark W.; and George, William A., to GTE Products Corporation. Filter for isotopic alteration of mercury vapor. 4,839,524, 6-13-89, Cl. 250-505.100.

Grossman, Mark W.; and George, William A., to GTE Products Corporation. Fluorescent lamp unit with magnetic field generating means. 4,855,635, 8-8-89, Cl. 313-156.000.

Grossman, Mark W.; and George, William A., to GTE Products Corporation. Recovery of mercury from mercury compounds via electrolytic methods. 4,879,010, 11-7-89, Cl. 204-105.00R.

Grossman, Richard A. Mesh reinforced condom. 4,881,553, 11-21-89, Cl. 128-844.000.

Grossman, Shlomo: *See—*
  Albeck, Michael; and Grossman, Shlomo, 4,857,325, Cl. 424-195.100.

Grossmann, Horst; and Staas, Ernst, to Black & Decker Inc. Saw blade for a saw having reciprocating blades. 4,798,001, 1-17-89, Cl. 30-355.000.

Grossmann, Horst; and Stirm, Michael, to Black & Decker Inc. Handle arrangement for portable power tool. 4,856,195, 8-15-89, Cl. 30-369.000.

Grossmann, Theodor: *See—*
  Alt, Claus-Christian; Gobel, Rudolf; Koch, Heinz; Niechoj, Wolfgang; Grossmann, Theodor; and Deffner, Felix, 4,877,258, Cl. 277-212.0FB.

Grossmann, Walter: *See—*
  Lahm, Heinrich; Grossmann, Walter; and Schleich, Gunther, 4,818,925, Cl. 318-567.000.

Grossnickle, Paul G. Illumination means for vehicle side walls. 4,839,776, 6-13-89, Cl. 362-31.000.

Grosso, Donald S.; Bryant, Thomas M.; and Gershonowitz, Mitchell S., to Teleco Oilfield Services Inc. Method and apparatus for filtering noise from data signals. 4,878,206, 10-31-89, Cl. 367-83.000.

Grosso, John A.: *See—*
  Petrillo, Edward W., Jr.; Karanewsky, Donald S.; Thottathil, John K.; Heikes, James E.; and Grosso, John A., 4,873,356, Cl. 558-180.000.

Grossoleil, Jacques; Kappler, Patrick; and Krantz, Nicolas, to Atochem. Vinyl chloride and nonconjugated diene copolymer. 4,835,236, 5-30-89, Cl. 526-345.000.

Grosspietsch, Wolfgang: *See—*
  Schierling, Bernhard; Caspar, Manfred; Raab, Harald; Hartig, Franz; Pieper, Norbert; and Grosspietsch, Wolfgang, 4,809,830, Cl. 192-3.290.

Grosswendt, Werner; and Unterstein, Klaus, to Rheinmetall GmbH. Projectile equipped with deployable parachute. 4,889,030, 12-26-89, Cl. 89-1.140.

Grosswendt, Werner; Unterstein, Klaus; and Simon, Walter, to Rheinmetall GmbH. Projectile equipped with braking parachute. 4,889,053, 12-26-89, Cl. 102-348.000.

Grosvenor, Clark E.; and Kacsoh, Balint. Growth hormone releasing hormone complementary peptides. 4,833,166, 5-23-89, Cl. 514-12.000.

Grosvenor, Peter R.; and Fuller, Lance S., to Shell Internationale Research Maatschappij B.V. Process for preparing thiophene derivatives. 4,889,940, 12-26-89, Cl. 549-81.000.

Groswith, Charles T., III; Seipp, Edwin A., III; Sun, Rickson; and Yurchenco, James R., to Taurus Holdings, Inc. Paper sheets binding system. 4,874,186, 10-17-89, Cl. 281-28.000.

Groswith, Charles T., III; and Seipp, Edwin A., III, to Taurus Holdings, Inc. Prong and tang binding system. 4,887,925, 12-19-89, Cl. 402-15.000.

Grosz, Edward G.: *See—*
  Bryniarski, David A.; and Grosz, Edward G., 4,822,437, Cl. 156-252.000.

Grote, Dace; Embry, William L.; and Barnett, Kenneth W., to Ashland Oil, Inc. Formation of hydroxy aryl carboxylic acids and esters. 4,827,845, 5-9-89, Cl. 502-406.000.

Grote, James N. Tree stand for observation post. 4,819,763, 4-11-89, Cl. 182-187.000.

Grote, Michael G.; Stark, John A.; and Tefft, Edward C., III, to McDonnell Douglas Corporation. Enhanced evaporator surface. 4,819,719, 4-11-89, Cl. 165-104.260.

Grotenhuis, Gerrit: *See—*
  Steenhuisen, Johannes E.; and Grotenhuis, Gerrit, 4,801,012, Cl. 206-366.000.

Grotenhuis, Paulus A. M.: *See—*
  Goodall, Brian L.; and Grotenhuis, Paulus A. M., 4,880,546, Cl. 210-699.000.

Groth, Jerry. Temporary storage mast support. 4,805,545, 2-21-89, Cl. 114-90.000.

Groth, Rolf; and Bause, Hans, to Flachglas AG. Method of removing a mist coating from the interior face of a glazed panel of a refrigerating cabinet. 4,827,729, 5-9-89, Cl. 62-80.000.

Groth, Rolf; and Schmitte, Franz-Josef, to Flachglas Aktiengesellschaft. Method for the manufacture of a toughened and/or bent pane with solar control coating containing platinum or the like. 4,857,094, 8-15-89, Cl. 65-60.200.

Grothaus, Gary D.: *See—*
  Petersen, Frank P.; Maybroda, Adrianna M.; Grothaus, Gary D.; and Miller, Sally A., 4,845,197, Cl. 530-387.000.
  Petersen, Frank P.; Grothaus, Gary D.; and Miller, Sally A., 4,879,217, Cl. 435-7.000.

Grothaus, Ulrich; and Lagerpusch, Klaus, to Grundig E.M.V. Elektro-Mechanische Versuchsanstalt. Comb filter for the rejection of intertrack chromonance crosstalk. 4,881,134, 11-14-89, Cl. 358-328.000.

Grothe, Klaus: *See—*
  Werner, Heribert; Grothe, Klaus; and Kreuzer, Martin, 4,836,576, Cl. 280-731.000.

Grotkasten, Klaus: *See—*
  Drewel, Gunter; Enoch, Horst; and Grotkasten, Klaus, 4,800,059, Cl. 264-502.000.

Grottrup, Helmut; and Maurer, Thomas, to Gesellschaft fur Automation u. Organization mbH. Circuit unit. 4,841,128, 6-20-89, Cl. 235-491.000.

Grotz, Bernard J., to Santa Fe Braun, Inc. Process for synthesizing ammonia. 4,867,959, 9-19-89, Cl. 423-360.000.

Grotzinger, Timothy L., to Laser Communications, Inc. Laser beam data verification system. 4,882,774, 11-21-89, Cl. 455-617.000.

Groucutt, Carol J.: *See—*
  Carter, Timothy J. N.; Groucutt, Carol J.; Stott, Richard A. W.; Thorpe, Gary H. G. H.; and Whitehead, Thomas P., 4,842,997, Cl. 435-6.000.

Group Lotus Public Limited Company: *See—*
  Williams, David A.; and Wright, Peter G., 4,830,398, Cl. 280-707.000.

Group-N Corporation: *See—*
  Kido, Kazuyuki; and Horiuchi, Harumi, 4,805,036, Cl. 358-335.000.

Groupe, Vincent: *See—*
  Boylan, Elizabeth S.; Boylan, Robert J.; Groupe, Vincent; and Simpson, Robert W., 4,877,616, Cl. 424-123.000.

Groupement d'Interet Economique dit: Centre International de Recherches Dermatologieques C.I.R.D.: *See—*
  Shroot, Braham; Maignan, Jean; and Lang, Gerard, 4,866,095, Cl. 514-569.000.

Groupement d'Interet Economique dit: Centre International de Recherches Dermatologiques C.I.R.D.: *See—*
  Shroot, Braham; Maignan, Jean; and Lang, Gerard, 4,826,996, Cl. 548-529.000.
  Shroot, Braham; Lang, Gerard; Maignan, Jean; Restle, Serge; Hensby, Christopher; and Colin, Michel, 4,843,097, Cl. 514-680.000.

Grous, Philip P.: *See—*
  Mohrbacher, Richard J.; and Grous, Philip P., 4,888,335, Cl. 514-217.000.

Grout, John E., to Ergonomic Equipment Pty. Ltd. Adjustable desk frame. 4,850,563, 7-25-89, Cl. 248-422.000.

Groutage, Frederick D.; Conjerti, Samuel N.; and Shaw, Lockburn S., to United States of America, Navy. Pivotal mono wing cruise missile with wing deployment and fastener mechanism. 4,842,218, 6-27-89, Cl. 244-3.280.

Grove, Brenda D.: *See—*
  Grove, Darryl D.; and Grove, Brenda D., 4,884,358, Cl. 43-42.130.

Grove, Clinton E.; and Grove, Robert D. Apparatus and method for adjusting camber and toe. 4,872,699, 10-10-89, Cl. 280-661.000.

Grove, Darryl D.; and Grove, Brenda D. Fishing lure. 4,884,358, 12-5-89, Cl. 43-42.130.

Grove, J. Jay; and Karsner, Grant G., to Mobil Oil Corporation. Delayed coking process. 4,853,106, 8-1-89, Cl. 208-131.000.

Grove, James E. Releasable extraoral orthodontic appliance. 4,872,836, 10-10-89, Cl. 433-5.000.

Grove, Lee A., to Remote Controls, Inc. Flow control device. 4,884,595, 12-5-89, Cl. 137-636.100.

Grove, Robert D.: *See—*
  Grove, Clinton E.; and Grove, Robert D., 4,872,699, Cl. 280-661.000.

Grove Valve and Regulator Company: *See—*
  Coulter, John H., 4,827,974, Cl. 137-549.000.

Grove, William S. Substituted diphenyl ethers having herbicidal activity. 4,864,053, 9-5-89, Cl. 560-21.000.

Grover, Betty L. Strap for holding skis and ski poles. 4,817,837, 4-4-89, Cl. 224-250.000.

Grover, Gary J., to E.R. Squibb & Sons. Inc. Method of preventing or reducing platelet loss during extracorporeal circulation using a thromboxane A_2 receptor antagonist. 4,820,733, 4-11-89, Cl. 514-613.000.

Grover, Gary J., to E. R. Squibb & Sons, Inc. Method of preventing or reducing platelet loss during extracorporeal circulation using a thromboxane A_2 receptor antagonist. 4,857,548, 8-15-89, Cl. 514-469.000.

Grover, Kenneth L.: *See—*
  Rosenthal, Bruce C.; Zill, Kevin L.; Claerbaut, Kevin R.; Berglund, David M.; and Grover, Kenneth L., 4,878,524, Cl. 144-356.000.

Grover, Kent B.: *See—*
  Rizvi, S. Q. Abbas; Bryant, Charles P.; Grover, Kent B.; and Vinci, James N., 4,846,985, Cl. 252-47.500.

Grover, R. Kent, to Motorola, Inc. Resynthesized digital radio frequency memory. 4,799,189, 1-17-89, Cl. 364-900.000.

Grover, Wayne D.; and Munter, Ernst A., to Northern Telecom Limited. Transmitting a digital signal and an additional signal. 4,827,475, 5-2-89, Cl. 370-110.100.

Grover, Wayne D., to Northern Telecom Limited. Transmit line buildout circuits. 4,837,780, 6-6-89, Cl. 375-11.000.

Grover, Wayne D.: *See—*
  McEachern, James A.; and Grover, Wayne D., 4,811,340, Cl. 370-102.000.

Groves, Gary W., to Monroe Auto Equipment Company. Electrical connector for shock absorbers. 4,846,318, 7-11-89, Cl. 188-299.000.

Groves, Gary W., to Monroe Auto Equipment Company. Method and apparatus for controlling shock absorbers. 4,867,475, 9-19-89, Cl. 280-707.000.

Groves, John T.; and Quinn, Robert, to University of Michigan, The. Metallic porphyrin complexes as catalysts in epoxidation reactions. 4,822,899, 4-18-89, Cl. 549-533.000.

Groves, Keith N. Pop-up practice batting tee. 4,854,587, 8-8-89, Cl. 273-26.00R.

Groves-Kirkby, Christopher J.: *See—*
  Bennion, Ian; Cush, Rosemary; and Groves-Kirkby, Christopher J., 4,834,511, Cl. 350-354.000.

Groves, Michael H.; Redshaw, Digby R.; and Cane, Michael R., to Imperial Chemical Industries plc. System for introducing flowable additive into a closed container. 4,798,287, 1-17-89, Cl. 206-219.000.

Groves, Michael H.; Redshaw, Digby R.; and Cane, Michael R., to Imperial Chemical Industries PLC. System for introducing additive into a container. 4,821,875, 4-18-89, Cl. 206-219.000.

Groves, Michael H.: *See—*
  Cane, Michael R.; and Groves, Michael H., 4,842,415, Cl. 366-110.000.

Groves, Oliver J., to Boeing Company, The. Test fitting. 4,887,646, 12-19-89, Cl. 138-90.000.

Groves, Ronald J.; and Lambell, Keith T., to Crystalate Electronics Limited. Microphone. 4,850,016, 7-18-89, Cl. 379-433.000.

Groves, Timothy R.; Pfeiffer, Hans C.; Stickel, Werner; and Sturans, Maris A., to International Business Machines Corporation. Telecentric sub-field deflection with vail. 4,859,856, 8-22-89, Cl. 250-398.000.

Groves, Trevor; and Butcher, David W., to Ciba-Geigy AG. Method of preparing a hologram. 4,826,745, 5-2-89. Cl. 430-1.000.

Grow Gun Corporation: *See—*
  Joy, Stanley E., 4,867,545, Cl. 111-7.100.

Groza, Joanna R.: *See—*
  Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Brian, 4,808,224, Cl. 75-246.000.
  Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Brian, 4,869,869, Cl. 419-44.000.

Grozdanova, Ivanka S.: *See—*
  Butchkov, Dimiter T.; Dragieva, Yovka D.; Nikolov, Zvetan K.; Georgiev, Georgi G.; Slavtcheva-Staikova, Mina S.; and Grozdanova, Ivanka S., 4,822,409, Cl. 75-0.5AA.

Grozdits, George A.: *See—*
  Israel, Michael G.; Grozdits, George A.; and Moss, Ernest K., 4,833,182, Cl. 524-14.000.

Grozinger, Karl G.; and Oliver, James T., to Boehringer Ingelheim Pharmaceuticals Inc. Diazine-ethenylphenyl oxamic acids and esters and salts thereof. 4,886,801, 12-12-89, Cl. 514-247.000.

Grsetic, Zlatan. Air activated liquid displacement motor. 4,805,406, 2-21-89, Cl. 60-496.000.

Grubb, David: *See—*
  Griffin, John; Grubb, David; and Glaab, Joseph, 4,815,129, Cl. 380-15.000.

Grubb, Eugene L.: *See—*
  McCartin, Peter J.; Grubb, Eugene L.; Held, Robert P.; Matrick, Howard; and Rakoczy, Bohdan, 4,869,996, Cl. 430-286.000.

Grubb, John T., III. Organizer-keyboard. 4,867,684, 9-19-89, Cl. 434-84.000.

Grubb, Lawrence B.: *See—*
  Williams, D. Michael; and Grubb, Lawrence B., 4,861,309, Cl. 446-168.000.

Grubb, Mary B.: *See—*
  Bolgiano, Nicholas C.; Grubb, Mary B.; Hudson, Raymond S.; and Sigman, William T., 4,855,165, Cl. 427-393.500.

Grubb, Willard T.: *See—*
  Liu, Yung S.; and Grubb, Willard T., 4,857,382, Cl. 428-156.000.
  Liu, Yung S.; and Grubb, Willard T., 4,882,200, Cl. 427-53.100.

Grubbs, Donald K.: *See—*
  Perrotta, Anthony J.; Grubbs, Donald K.; and Martin, Edward S., 4,818,729, Cl. 501-4.000.

Grubbs, John R., Jr.; Sarathy, Aravamuthan P.; and Flowe, Robert C., to Westvaco Corporation. Method for determining volatile phosphorus in carbon. 4,843,015, 6-27-89, Cl. 436-103.000.

Grubbs, Kenneth. Oral chock for setting dental protheses. 4,869,669, 9-26-89, Cl. 433-140.000.

Grubbs, Robert H.; and Novak, Bruce M., to California Institute of Technology. Ring opening metathesis polymerization of strained cyclic ethers. 4,883,851, 11-28-89, Cl. 526-268.000.

Grube, Gerhard: *See—*
  Kaplan, Horst; and Grube, Gerhard, 4,874,076, Cl. 198-370.000.

Grube, William L., to MacLean-Fogg Company. Locking fastener assembly for threaded joint. 4,812,094, 3-14-89, Cl. 411-134.000.

Gruben, Arnold H.: *See—*
  Kveglis, Albert A.; and Gruben, Arnold H., 4,882,436, Cl. 548-354.000.

Grubenmann, Arnold: *See—*
  Bugnon, Philippe; Grubenmann, Arnold; Medinger, Bernhard; and Schaefle, Jean, 4,880,472, Cl. 106-493.000.

Gruber, Bert: *See—*
  Hoefer, Rainer; Gruber, Bert; Meffert, Alfred; and Gruetzmacher, Roland, 4,826,944, Cl. 528-49.000.

Gruber, Bruce A.; Langer, Heimo J.; and Dunnayant, William R., to Ashland Oil, Inc. Composition, method for preparing and use thereof. 4,847,308, 7-11-89, Cl. 523-139.000.

Gruber, Bruce A.: *See—*
  Shriver, H. Randall; Dunnavant, William R.; and Gruber, Bruce A., 4,876,294, Cl. 523-139.000.

Gruber, Franz, to Ing. Alfred Schmidt GmbH. Rotary snow plow with feeding mechanisms. 4,829,684, 5-16-89, Cl. 37-248.000.

Gruber, Friedrich: *See—*
  Quirchmayr, Gerhard; Gruber, Friedrich; and Knippitsch, Stefan, 4,867,127, Cl. 123-527.000.

Gruber, Harald; Richter, Andreas M.; Fanghanel, Egon; Roth, Hans-Klaus; Friedrich, Heinz; and Maras, Siegfried, to VEB Metallurgieelektronik Leipzig. Conductive structures in polymers. 4,886,627, 12-12-89, Cl. 252-513.000.

Gruber, Herbert, to Magna International Inc. Hood latch mechanism. 4,875,724, 10-24-89, Cl. 292-216.000.

Gruber, Hermann: *See—*
  Buysch, Hans-Josef; Wellner, Wolfgang; and Gruber, Hermann, 4,816,576, Cl. 544-398.000.

Gruber, John M., to Sandoz Ltd. Preparation of alpha-cyanobenzyl esters. 4,849,536, 7-18-89, Cl. 558-351.000.

Gruber, John M.: *See—*
  Carney, Robert L.; Lui, Alfred S. T.; Kuhnen, Fred; and Gruber, John M., 4,859,699, Cl. 514-447.000.

Gruber, Joseph C.: *See—*
  Munson, Arden L.; and Gruber, Joseph C., 4,829,779, Cl. 62-175.000.

Gruber, Norman G.: *See—*
  Krauss, Owen T.; and Gruber, Norman G., 4,799,389, Cl. 73-863.310.

Gruber, Robert J.; Yourd, Raymond A., III; Malhotra, Shadi L.; and Vandusen, John G., to Xerox Corporation. Toner compositions with release agents therein. 4,814,253, 3-21-89, Cl. 430-106.600.

Gruber, Robert J.; Knapp, John F.; Koch, Ronald J.; and Floyd, Lawrence, Jr., to Xerox Corporation. Negatively charged colored toner compositions. 4,837,101, 6-6-89, Cl. 430-109.000.

Gruber, Robert J.; Bov, Raphael F.; Cometa, Thomas D.; Eakin, Paul W.; Berkes, John S.; and Grushkin, Bernard, to Xerox Corporation. Smear resistant magnetic image character recognition processes. 4,859,550, 8-22-89, Cl. 430-39.000.

Gruber, Robert J.; Yourd, Raymond A., III; Malhotra, Shadi L.; Nelson, Robert A.; Fox, Carol A.; and Hoffend, Thomas R., to Xerox Corporation. Toner compositions with release additives therein. 4,876,169, 10-24-89, Cl. 430-110.000.

Gruber, Robert J.; Yourd, Raymond A., III; Julien, Paul C.; Knapp, John F.; and Bolte, Steven B., to Xerox Corporation. Process for preparing encapsulated color toner compositions. 4,879,199, 11-7-89, Cl. 430-137.000.

Gruber, Robert J.: *See—*
  Hsieh, Bing R.; Gruber, Robert J.; and Koehler, Richard F., 4,851,318, Cl. 430-137.000.

Gruber, Thomas J.; Putnat, Dale G.; and Zajaczkowski, Ernest J., to Hunter Manufacturing Company. Air control system for a burner. 4,850,853, 7-25-89, Cl. 431-90.000.

Gruber, Thomas J. Filter cartridge. 4,865,637, 9-12-89, Cl. 55-502.000.

Gruber, Walter: *See—*
  Riesen, Peter; and Gruber, Walter, 4,832,089, Cl. 139-135.000.

Gruber, Werner: *See—*
  Demmer, Fritz; Gruber, Werner; and Woog, Heinrich, 4,861,786, Cl. 514-347.000.
  Leoni, Roberto; Gruber, Werner; and Wichelhaus, Juergen, 4,810,772, Cl. 528-339.300.

Gruber, William C.: *See—*
  Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark S.; Hodge, James D.; Waack, Richard; Kelley, Donald J.; Saxton, Brian W.; and Gruber, William C., 4,861,646, Cl. 428-210.000.

Gruber, Wolfgang: *See—*
  Rauscher, Elli; Schaich, Eugen; Neumann, Ulrich; Wahlefeld, August; Gruber, Wolfgang; and Empl, Bernhard, 4,818,692, Cl. 435-18.000.

Grubert, Gordon R.; and Christians, Douglas L., to United Technologies Corporation. Thermostatic controlled system. 4,852,637, 8-1-89, Cl. 165-40.000.

Grubisic, Vatroslav; and Fischer, Gerhard. Wheel for a commercial vehicle. 4,842,338, 6-27-89, Cl. 301-9.0DN.

Grubisic, Vatroslav: *See—*
  Fischer, Gerhard; and Grubisic, Vatroslav, 4,800,748, Cl. 73-865.900.

Gruchalla, Michael E.; and Koller, David C. Distributed push-pull amplifier. 4,797,628, 1-10-89, Cl. 330-54.000.

Gruchalski, Albert: *See—*
  Gruchalski, Henry; and Gruchalski, Albert, 4,802,393, Cl. 83-184.000.

Gruchalski, Henry; and Gruchalski, Albert, to Ecological Systems, Inc. Piercing die. 4,802,393, 2-7-89, Cl. 83-184.000.

Grude, Frederic L.: *See—*
  Posey, John L.; Swank, Ronald W.; and Grude, Frederic L., 4,803,827, Cl. 53-167.000.

Gruden, Dusan, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Combustion space for a reciprocating piston internal combustion engine. 4,811,708, 3-14-89, Cl. 123-299.000.

Gruden, James M., to United States of America, Air Force. Command operated liquid metal opening switch. 4,841,834, 6-27-89, Cl. 89-8.000.

Grudkowski, Thomas W., to United States of America, Army. Saw circuit for generating continuous time-coherent RF carriers. 4,860,017, 8-22-89, Cl. 342-201.000.

Gruehn, Dietrich; Hack, Joachim; Fehrenbach, Hubert; Rudolf, Peter; and Holl, Norbert, to BASF Aktiengesellschaft. Protective jacket for a disk-shaped recording medium. 4,796,137, 1-3-89, Cl. 360-133.000.

Gruehn, Dietrich: *See—*
  Lenz, Bernhard; Zwintzscher, Kurt; Gruehn, Dietrich; Fehrenbach, Hubert; and Holl, Norbert, 4,822,327, Cl. 493-190.000.

Gruen, Dieter M.; Young, Charles E.; and Pellin, Michael J., to ARCH Development Corp. Photo ion spectrometer. 4,855,596, 8-8-89, Cl. 250-305.000.

Gruen, Dieter M.; Young, Charles E.; and Pellin, Michael J., to Arch Development Corporation. Photo ion spectrometer. 4,864,130, 9-5-89, Cl. 250-305.000.

Gruen, Dieter M.; Young, Charles E.; and Pellin, Michael J., to ARCH Development Corporation. Photo ion spectrometer. 4,889,987, 12-26-89, Cl. 250-282.000.

Gruen, Henry M.: *See—*
  Geil, Frederick G.; Gruen, Henry M.; Newman, Howard S.; Ratz, Thomas J.; Rowe, Linwood M., Jr.; and Thompson, John H., 4,833,659, Cl. 367-155.000.

Gruen-Optik Wetzlar GmbH: *See—*
  Hadeishi, Tetsuo, 4,815,848, Cl. 356-320.000.
  Oberheim, Wolfgang; and Hadeishi, Tetsuo, 4,815,847, Cl. 356-307.000.

Gruenberg, Elliot L., to CompFax Corporation. Method and apparatus for continuously acknowledged link encrypting. 4,805,216, 2-14-89, Cl. 380-21.000.

Gruenberg, Micheal L.: *See—*
  Cracauer, Ray F.; Walker, Robert D.; and Gruenberg, Micheal L., 4,804,628, Cl. 435-240.242.

Gruendemann, Egon: *See—*
  Ballschuh, Detlef; Seibt, Horst; Ohme, Roland; Rusche, Jochen; Gruendemann, Egon; and Krause, Elke, 4,877,885, Cl. 548-570.000.

Gruendler Crusher and Pulverizer, Co.: *See—*
  Dreyer, Fredrick B.; and Maloney, Daniel T., 4,801,101, Cl. 241-240.000.

Gruener, Manfred: *See—*
  Babsch, Alfred; Gruener, Manfred; and Stein, Jutta, 4,818,127, Cl. 400-121.000.

Gruenewald, Werner, to Braunschweigische Maschinenbauanstalt AG. Apparatus for comminuting plant material for further treatment. 4,816,075, 3-28-89, Cl. 127-2.000.

Gruenhoff, Ulrich; and Schneider, Bernhard, to Kohlensaeurewerk Deutschland GmbH. Process for preparing wine. 4,874,615, 10-17-89, Cl. 426-15.000.

Gruest, Jacqueline: *See—*
  Montagnier, Luc; Chamaret, Solange; and Gruest, Jacqueline, 4,798,797, Cl. 435-235.000.

Gruetzmacher, Gordon D.: *See—*
  Meltz, Clifford N.; Gruetzmacher, Gordon D.; and Chang, Ping W., 4,821,802, Cl. 166-270.000.

Gruetzmacher, Roland: *See—*
  Hoefer, Rainer; Gruber, Bert; Meffert, Alfred; and Gruetzmacher, Roland, 4,826,944, Cl. 528-49.000.

Gruger, Jeffrey H.: *See—*
  Dozier, Harold W.; Jones, Thomas M.; Wallach, Steven J.; and Gruger, Jeffrey H., 4,809,171, Cl. 364-200.000.

Grujanac, Peter; and Johnson, Robert W., to Lakeside Equipment. Fluid pump with air inducer. 4,813,849, 3-21-89, Cl. 416-177.000.

Grulke, James M., Jr., to NCR Corporation. ERC with operator prompting for entering quantity of selected multi-item packaged goods. 4,833,609, 5-23-89, Cl. 364-405.000.

Grumman Aerospace Corporation: *See—*
  Anderson, Robert E., 4,813,202, Cl. 52-285.000.
  Anderson, Robert E., 4,826,106, Cl. 244-117.00R.
  Anderson, Robert E., 4,875,795, Cl. 403-279.000.
  Anderson, Warren H., 4,848,608, Cl. 211-71.000.
  Avaneas, Napoleon G., 4,827,477, Cl. 371-37.000.
  Avaneas, Napoleon G., 4,841,551, Cl. 375-118.000.
  Brandstetter, Robert W.; Fonneland, Nils J.; and Grieve, Philip G., 4,884,867, Cl. 350-162.120.
  Bruno, Joseph W.; and Cacho-Negrete, Carlos, 4,828,206, Cl. 244-132.000.
  Crawford, Thomas, 4,867,207, Cl. 140-92.100.
  Engelhardt, Michel, 4,801,113, Cl. 244-121.000.
  Giannuzzi, Ottavio, 4,838,746, Cl. 411-504.000.
  Hampton, Herbert R.; Fodale, Robert; and Conkling, Charles R., Jr., 4,840,069, Cl. 73-802.000.
  Hill, Gordon S., 4,799,063, Cl. 343-703.000.
  Horn, Michael, 4,848,890, Cl. 351-44.000.
  Horn, Michael, 4,852,141, Cl. 378-147.000.
  Kennedy, James R.; and Ting, Edmund Y., 4,830,265, Cl. 228-203.000.
  Kornely, Michael, 4,807,767, Cl. 212-159.000.
  Kovacs, Eddie J.; and Pereira, John C., 4,835,739, Cl. 365-1.000.
  Kress, Robert W., 4,872,016, Cl. 342-380.000.
  Leib, Kenneth G.; and Jue, Suey L., deceased, 4,802,718, Cl. 350-3.600.
  Leifsen, J. Arthur, Jr., 4,841,904, Cl. 118-50.000.
  Maoz, Barak, 4,864,162, Cl. 307-296.100.
  Maoz, Barak, 4,875,023, Cl. 333-81.00R.
  Markow, Edward G., 4,794,966, Cl. 152-516.000.
  Martorella, Romeo P.; and Chin, Jimmie, 4,797,829, Cl. 364-434.000.
  Mead, Albert R., 4,813,807, Cl. 403-273.000.
  Meenen, Raymond P., Jr., 4,861,269, Cl. 434-45.000.
  Miller, John M.; Barton, Richard O.; and Bergin, Michael T., 4,804,270, Cl. 356-355.000.
  Mimbs, Charles C., 4,808,253, Cl. 156-98.000.
  Nielsen, Robert E., 4,799,220, Cl. 371-25.000.
  Padawer, Gerald M., 4,810,959, Cl. 324-77.00R.
  Padawer, Gerald M., 4,870,603, Cl. 364-574.000.
  Pallmeyer, Henry L., 4,814,784, Cl. 343-882.000.
  Parente, Charles A., 4,850,093, Cl. 29-428.000.
  Pernick, Benjamin J., 4,810,047, Cl. 350-3.720.
  Schaire, Scott, 4,797,927, Cl. 381-42.000.
  Smrek, Walter J., 4,825,213, Cl. 342-25.000.
  Soto, Jeffrey A.; and Pullo, Frank A., 4,870,397, Cl. 340-747.000.
  Ugenti, Michael, 4,837,502, Cl. 324-73.0PC.
  Vojir, William M.; and Davidson, Joel R., 4,816,805, Cl. 341-83.000.
  Wedgwood, Janet E.; Berde, Dennis W.; Bocskor, Steven J.; and Cotter, George E., 4,856,079, Cl. 455-50.000.
  Weick, John M., 4,814,638, Cl. 307-270.000.

Grumman Aerospace Corportion: *See—*
  Ryan, Robert E., 4,803,439, Cl. 330-4.300.

Grumman Allied Industries, Inc.: *See—*
  White, David A.; Hofrichter, James W.; and VanDuser, Harold J., 4,889,389, Cl. 297-468.000.

Grun, Rudiger: *See—*
  Kolin, Bernd; and Grun, Rudiger, 4,884,969, Cl. 432-133.000.

Grunau, Klaus: *See—*
  Sudrabin, David A.; and Grunau, Klaus, 4,885,880, Cl. 52-169.600.

Grunbeck Wasseraufbereitung GmbH: *See—*
  Arens, Hans; Kern, Hans; and Haslberger, Richard, 4,800,918, Cl. 137-488.000.
  Kern, Hans, 4,865,525, Cl. 417-307.000.

Grunberg, Pierre; Mouza, Jean-Claude; and Bertin, Patrice, to Valeo. Method of controlling a motor-driven clutch. 4,829,221, 5-9-89, Cl. 318-587.000.

Grunberg, Pierre, to Valeo. Control mechanism for a mechanical coupling device. 4,878,396, 11-7-89, Cl. 74-518.000.

Grund, Andreas; Prescher, Guenter; Boehme, Georg; Hofen, Willi; and Petsch, Heinrich, to Degussa Aktiengesellschaft. Process for the treatment of aliphatic epoxides. 4,855,465, 8-8-89, Cl. 549-525.000.

Grund, Andreas: *See—*
  Boehme, Georg; Hofen, Willi; Grund, Andreas; Petsch, Heinrich; and Prescher, Guenter, 4,849,532, Cl. 549-525.000.
  Siegmeier, Rainer; Grund, Andreas; Prescher, Gunter; and Brandt, Udo, 4,851,556, Cl. 549-525.000.

Grund, Helmut: *See—*
  Trabitzsch, Uwe; and Grund, Helmut, 4,832,863, Cl. 252-135.000.

Grund, Peter, to MAHO Aktiengesellschaft. Apparatus for compensating for the thermal expansion of two relatively movable machine parts. 4,831,737, 5-23-89, Cl. 33-702.000.

Grundei, Hans, to S + G Implants GmbH. Breast prosthesis. 4,826,501, 5-2-89, Cl. 623-8.000.

Grundei, Hans; Hipp, Erwin; and Heinhuber, Bernd, to S&G Implants GmbH. Pelvis part prosthesis. 4,883,489, 11-28-89, Cl. 623-22.000.

Grunden, Michael T.; Youtz, Stephen E.; and Mierzwinski, Eugene P., to Hamilton Standard Controls, Inc. Integrated furnace control having ignition and pressure switch diagnostics. 4,842,510, 6-27-89, Cl. 431-19.000.

Grunden, Michael T.: *See—*
  Mierzwinski, Eugene P.; Grunden, Michael T.; and Youtz, Stephen E., 4,872,828, Cl. 431-16.000.

Grunder, Urs: *See—*
  Gavin, Michel; Grunder, Urs; and Ulmer, Karl, 4,859,482, Cl. 426-518.000.

Grunder, Werner; Baechler, Francois; and Murbach, Erwin, to Zellweger Uster Ltd. Apparatus for measuring the thickness of fibre slivers. 4,864,853, 9-12-89, Cl. 75-160.000.

Grundfos International A/S: *See—*
  Blad, Thomas; Ellegaard, Mogens; and Jensen, Niels D., 4,842,725, Cl. 210-137.000.
  Jensen, Niels D.; Nielsen, Kurt F.; and Larsen, Bent, 4,827,777, Cl. 73-861.190.
  Jensen, Niels D.; Rasmussen, Michal; and Jensen, Peder, 4,834,624, Cl. 417-370.000.
  Jensen, Niels D.; and Simonsen, Soren, 4,842,480, Cl. 415-199.100.
  Jensen, Niels D.; and Svarre, Erik, 4,877,372, Cl. 415-199.100.

Grundhauser, Donald J.: *See—*
  Hicks, T. Lawrence; Givens, Guy M.; Brinton, Robert J.; and Grundhauser, Donald J., 4,872,056, Cl. 358-183.000.

Grundhoff, Karl-Josef: *See—*
  Wirth, Gunter; Grundhoff, Karl-Josef; and Schurmann, Hartmut, 4,842,653, Cl. 148-12.70B.

Grundig E.M.V. Elektro-Mechanische Versuchsanstalt: *See—*
  Grothaus, Ulrich; and Lagerpusch, Klaus, 4,881,134, Cl. 358-328.000.
  Hegendorfer, Max, 4,823,385, Cl. 380-10.000.

Grundman, Raphael: *See—*
  Thomas, Pierre-Armand; and Grundman, Raphael, 4,880,336, Cl. 405-198.000.

Grundmann, Gabriele: *See—*
  Mauthe, Peter; Grundmann, Gabriele; and Moench, Monika, 4,858,759, Cl. 206-221.000.

Grundmann, Reinhard: *See—*
  Kramer, Carl; and Grundmann, Reinhard, 4,817,300, Cl. 34-191.000.

Grundy, Brian R., to Westinghouse Electric Corp. Getter trap for removing hydrogen and oxygen from a liquid metal. 4,830,816, 5-16-89, Cl. 376-313.000.

Grundy, James, to Johnson Matthey Inc. Metal flake and use thereof. 4,859,241, 8-22-89, Cl. 106-1.140.

Grune, Helmut; and Nordmeyer, Manfred, to Lieder-Maschinenbau GmbH & Co. KG. Machine for filling receptacles with flowable materials. 4,867,351, 9-19-89, Cl. 222-307.000.

Grune, Helmut: *See—*
  Nordmeyer, Manfred; and Grune, Helmut, 4,842,026, Cl. 141-1.000.

Grunenthal GmbH: *See—*
  Heinzel, Regina; Appelhans, Heribert; Gassen, Hans G.; Machleidt, Werner; and Seemuller, Ursula, 4,845,076, Cl. 514-12.000.

Gruner, George P., to Gillette Company, The. Retractable blade safety razor. 4,813,131, 3-21-89, Cl. 30-50.000.

Gruner, Heiko, to Plasmainvent AG, Im Oberleh 2. Protection layer. 4,808,487, 2-28-89, Cl. 428-610.000.

Gruner, Lucian: *See—*
  Pilbrow, John R.; Troup, Gordon J. F.; Tirkel, Anatol Z.; Hutton, Donald R.; Gruner, Lucian; and McLaren, Neil R., 4,803,624, Cl. 324-316.000.

Grunewald, Andreas: *See—*
  Zultzke, Walter; and Grunewald, Andreas, 4,868,004, Cl. 427-42.000.

Grunewald, Gerhard; and Alunic, Emil, to Metallgesellschaft Aktiengesellschaft; and Linde Aktiengesellschaft. Process for desulfurizing CO_2-containing gases. 4,824,452, 4-25-89, Cl. 62-20.000.

Grunewald, Gerhard; and Alunic, Emil, to Metallgesellschaft Aktiengesellschaft; and Linde Aktiengesellschaft. Process for treating scrubbing solutions. 4,830,639, 5-16-89, Cl. 55-44.000.

Grunewald, Gerhard; and Kammerer, Hans, to Linde Aktiengesellschaft; and Linde AG. Process for treating CO_2-containing absorbent solution. 4,834,781, 5-30-89, Cl. 55-44.000.

Grunewald, Gerhard; and Kriebel, Manfred, to Metallgesellschaft Aktiengesellschaft; and Linde Aktiengesellschaft. Process for regenerating absorbents containing CO_2 and COS. 4,840,648, 6-20-89, Cl. 55-44.000.

Grunewald, Hans-Joachim; and Mennerich, Klaus-Peter, to Autoliv GmbH. Means for adjusting a belt deflection fitting for a safety belt. 4,884,825, 12-5-89, Cl. 280-806.000.

Grunewald, Peter; and Sprafke, Uwe. Ammunition stowage compartment, particularly in battle tank turrets. 4,864,913, 9-12-89, Cl. 89-34.000.

Grunewald, Peter: *See—*
  Wichmann, Arnold; and Grunewald, Peter, 4,808,867, Cl. 310-68.00C.

Grunfeld, Yona: *See—*
  Fisher, Abraham; Karton, Ishai; Heldman, Eliahu; Levy, Aharon; and Grunfeld, Yona, 4,855,290, Cl. 514-278.000.

Grung, Bernard L.; Warner, Raymond M., Jr.; and Zipperian, Thomas E., to University of Minnesota, Regents of the. Channel collector transistor. 4,868,624, 9-19-89, Cl. 357-34.000.

Gruning, Burghard; Holtschmidt, Ulrich; Koerner, Gotz; and Rossmy, Gerd, to Th. Goldschmidt AG. Silica or silicic acid particles whose surface located hydroxyl groups are at least partially replaced by organic groups. 4,844,980, 7-4-89, Cl. 428-405.000.

Gruning, Horst, to BBC Brown Boveri AG. Thyristor with turn-off facility and overvoltage protection. 4,885,657, 12-5-89, Cl. 361-91.000.

Gruning, Horst: *See—*
  Abbas, C. Christiaan; Gobrecht, Jens; Voboril, Jan; and Gruning, Horst, 4,849,800, Cl. 357-38.000.
  Broich, Bruno; and Gruning, Horst, 4,862,239, Cl. 357-38.000.

Grunow, Werner: *See—*
  Schempp, Otto; and Grunow, Werner, 4,834,662, Cl. 439-83.000.

Grunsky, Manfred, to Stellram, S.A. Single-lip drilling tool. 4,813,824, 3-21-89, Cl. 408-59.000.

Grunsky, Manfred, to Stellram S.A. One-piece rotary material removing tool of sintered hard metal. 4,826,364, 5-2-89, Cl. 408-59.000.

Grunstein, Michael M., to National Jewish Center for Immunology and Respiratory Medicine. Method for determining respiratory function. 4,802,492, 2-7-89, Cl. 128-720.000.

Grunsweig & Hartmann and Glasfaser AG: *See—*
  Fachat, Gaston; Sistermann, Klaus; and Ungerer, Heinz-Jurgen, 4,822,392, Cl. 65-16.000.

Grunthaler, Karl-Heinz; Langbein, Dieter; Nilmen, Fehmi; and Winter, Heinrich, to Battelle-Institut e.V. Dispersion hardened copper alloys and production process therefore. 4,818,283, 4-4-89, Cl. 75-247.000.

Grunwald, Heinrich, to Leybold Aktiengesellschaft. Apparatus for coating or etching by means of a plasma. 4,863,549, 9-5-89, Cl. 156-345.000.

Grunwald, Henry C., to ITT Corporation. Gas circulation apparatus for ceramic electron tubes. 4,888,518, 12-19-89, Cl. 313-40.000.

Grunwald, John J.; Klein, Igal; and Whitmore, Bryan, to MacDermid, Incorporated. Mechanical plating with oxidation-prone metals. 4,800,132, 1-24-89, Cl. 428-560.000.

Grunwald, Peter H. Overhead projector. 4,829,327, 5-9-89, Cl. 353-122.000.

Grunwald, Peter-Hein. Overhead projector. 4,880,303, 11-14-89, Cl. 353-122.000.

Grunwald, Peter-Hein. Overhead projector. 4,882,599, 11-21-89, Cl. 353-60.000.

Grunwald, Ronald P.; and Todd, Robert J., to Research Medical, Inc. Cardiovascular cannula and obturator. 4,804,359, 2-14-89, Cl. 604-4.000.

Grunzinger, Raymond E., to Minnesota Mining and Manufacturing Company. Flat transparent top coat for retroreflective sheeting. 4,808,471, 2-28-89, Cl. 428-325.000.

Grupe, Renate: *See—*
  Schewe, Tankred; Kuehn, Hartmut; Beger, Joerg; Grupe, Renate; Rapoport, Samuel M.; Binte, Hans-Joachim, deceased; and Slapke, Juergen, 4,816,487, Cl. 514-640.000.

Grupp, Bernhard: *See—*
  Schreiner, Friedrich; Ebner, Otto; Buri, Gerhard; and Grupp, Bernhard, 4,807,489, Cl. 74-475.000.

Grupping, Arnold W. J. System for subterranean storage of energy. 4,808,029, 2-28-89, Cl. 405-59.000.

Gruppo Industriale Ercole Marelli, S.p.A.: *See—*
  Attilio, Mazzucchelli; Natalino, Masserini; and Silvano, Vivaldi, 4,868,436, Cl. 310-67.00R.

Gruppo Lepetit S.p.A.: *See—*
  Cavalleri, Bruno; Turconi, Marco; and Tamborini, Giovanni, 4,880,789, Cl. 514-183.000.
  Malabarba, Adriano; Strazzolini, Paolo; and Cavalleri, Bruno, 4,882,419, Cl. 530-317.000.
  Omodei-Sale, Amedeo; Consonni, Pietro; and Galliani, Giulio, 4,888,350, Cl. 514-384.000.
  Riva, Ernesto; Selva, Enrico; Denaro, Maurizio; Cassani, Giovanni; and Parenti, Francesco, 4,804,534, Cl. 424-118.000.
  Selva, Enrico; Riva, Ernesto; Cassani, Giovanni; and Parenti, Francesco, 4,868,171, Cl. 514-183.000.

Gruppuso, Frank M.: *See—*
  Lessin, Arlen R.; Gruppuso, Frank M.; and Harrison, Shelley A., 4,868,376, Cl. 235-492.000.

Grushka, Dov. Profile for furniture. 4,858,413, 8-22-89, Cl. 52-823.000.

Grushkin, Bernard; and Ruhland, John G., to Xerox Corporation. Conductive single component cold pressure fixable magnetic toner compositions. 4,810,610, 3-7-89, Cl. 430-106.600.

Grushkin, Bernard; Chang, Hui; and Ruhland, John G., to Xerox Corporation. Imaging processes with cold pressure fixable toner compositions. 4,877,707, 10-31-89, Cl. 430-106.600.

Grushkin, Bernard; Hutka, David E.; Isganitis, Louis V.; and Radigan, Edward J., to Xerox Corporation. Positively charged liquid developer compositions. 4,886,729, 12-12-89, Cl. 430-114.000.

Grushkin, Bernard: *See—*
  Gruber, Robert J.; Bov, Raphael F.; Cometa, Thomas D.; Eakin, Paul W.; Berkes, John S.; and Grushkin, Bernard, 4,859,550, Cl. 430-39.000.

Grussing, Theodore: *See—*
  Axelgaard, Jens; and Grussing, Theodore, 4,819,328, Cl. 29-855.000.
  Axelgaard, Jens; and Grussing, Theodore, 4,867,166, Cl. 128-640.000.

Grussmark, Stephen M. Dental floss and toothpaste container. 4,827,951, 5-9-89, Cl. 132-314.000.

Grussmark, Stephen M. Dental timer. 4,836,415, 6-6-89, Cl. 222-39.000.

Grussmark, Stephen M. Orthodontic appliance for closing spaces and correcting malocclusion. 4,875,856, 10-24-89, Cl. 433-18.000.

Gruteser, Helmut: *See—*
  Wittkopp, Helmut; Gruteser, Helmut; Coenen, Wilfred; and Elschenbroich, Walter, 4,798,963, Cl. 250-560.000.

Grutter, Markus G.: *See—*
  Meyer, Francois; Hinnen, Albert; Meister, Andreas; Grutter, Markus G.; and Alkan, Sefik, 4,885,166, Cl. 424-85.700.

Grutter, William G.; and Koepnick, Paul J., to APV Baker, Inc. Agitation supporting and driving means for commercial food mixers and the like. 4,832,502, 5-23-89, Cl. 366-279.000.

Grutzmacher, Bertold; and Meyer, Helmut, to Heidelberger Druckmaschinen AG. Current-measuring device, especially for determining the motor current of a direct-current motor. 4,851,763, 7-25-89, Cl. 324-127.000.

Grutzmacher, Bertold; and Hofheinz, Walter, to Heidelberger Druckmaschinen AG. Holding device for a hollow-shaft incremental encoder or the like. 4,863,139, 9-5-89, Cl. 248-618.000.

Grutzmacher, Bertold; and Blaser, Theodor, to Heidelberger Druckmaschinen AG. Device for conveying and aligning sheets in sheet-processing machines. 4,887,810, 12-19-89, Cl. 271-225.000.

Grutzmacher, Bertold: *See—*
  Stammer, Walter; Grutzmacher, Bertold; and Blaser, Peter T., 4,847,555, Cl. 324-161.000.

Gruver, Gary A.: *See—*
  Jaworowski, Mark R.; and Gruver, Gary A., 4,886,552, Cl. 134-27.000.

Gruzinsky Selskokhozyaistvenny Institut: *See—*
  Ksovreli, Robinzon I.; Didebulidze, Alexandr K.; Kochiev, Valery K.; and Gasseev, Amiran F., 4,885,487, Cl. 310-36.000.

Grychtol, Klaus, to BASF Aktiengesellschaft. Chromium complex dye for polyamides or leather. 4,804,386, 2-14-89, Cl. 8-437.000.

Gryk, Leon, to Electro-Mechanics, Inc. Isolation amplifier. 4,812,778, 3-14-89, Cl. 330-51.000.

Gryner, David: *See—*
  Ribeiro, Antonio C. H.; Gryner, David; and Capella, Antonio P., 4,834,804, Cl. 134-4.000.

Gryouda, Toshio; Inaba, Shouichi; Watanabe, Michio; and Yamaguchi, Kanemichi, to Toyo Seikan Kaisha, Limited. Method of making hermetically sealed container. 4,885,897, 12-12-89, Cl. 53-407.000.

Gryson, Dirk; Shaw, Henry; and Vandeweghe, Michel, to Picanol N.V. Process and apparatus for manipulating fallen drop wires of weaving loom warp stop motions and facilitating repair of broken warp threads. 4,815,498, 3-28-89, Cl. 139-351.000.

Gryson, Dirk; and Shaw, Henry, to Picanol N.V. Device for determining the position of a warp thread break. 4,872,488, 10-10-89, Cl. 139-353.000.

Gryson, Dirk: *See—*
  Dewaele, Stefan; and Gryson, Dirk, 4,817,675, Cl. 139-35.000.

Gryttenholm, Eric G.: *See—*
  Tofsland, Kenneth M.; Morgan, Jeffrey S.; Gryttenholm, Eric G.; and Jaroszczyk, Tadeusz, 4,878,929, Cl. 55-486.000.

Grzesik, Ulrich: *See—*
  Esser, Hildegard; and Grzesik, Ulrich, 4,883,954, Cl. 250-227.000.
  Hubner, Horst; and Grzesik, Ulrich, 4,869,571, Cl. 350-96.200.
  Schurmann, Erich; and Grzesik, Ulrich, 4,877,302, Cl. 350-96.210.

Grzeskowiak, Nicholas E.; and Penfound, Keith A., to Minnesota Mining and Manufacturing Company. High contrast scanner photographic elements employing ruthenium and iridium dopants. 4,828,962, 5-9-89, Cl. 430-230.000.

Grzeskowiak, Nicholas E., to Minnesota Mining and Manufacturing Company. Silver halide photographic materials having rhodium cyanide dopants. 4,847,191, 7-11-89, Cl. 430-605.000.
Grzeszykowski, Miroslaw: *See—*
  Piercy, John R.; and Grzeszykowski, Miroslaw, 4,868,513, Cl. 328-134.000.
Grzina, Anthony, to Warman International Ltd. Low-flow pump casing. 4,844,693, 7-4-89, Cl. 415-197.000.
Grzyb, Claus D.: *See—*
  Schwartz, Wolfgang; Warmuth, Otto L.; and Grzyb, Claus D., 4,862,404, Cl. 364-733.000.
Grzyb, Joelle: *See—*
  Bardy, Andre; Conti, Maria-Louisa; Courtieu, Jacques; Mathieu, Evelyne; and Grzyb, Joelle, 4,804,529, Cl. 424-9.000.
Grzyll, Lawrence R.: *See—*
  Scaringe, Robert P.; Buckman, Jay A.; and Grzyll, Lawrence R., 4,856,294, Cl. 62-259.300.
Grzywaczewski, Tadeusz: *See—*
  Starczewski, Marian; Switonska-Oskedra, Maria; Grzywaczewski, Tadeusz; Pisarski, Hubert; Gazda, Stanislaw; and Sybilska, Genowefa, 4,795,625, Cl. 423-566.000.
Grzywna, Stanley E.; Lackner, John R.; and Baird, Thomas E., to Scott Fetzer Company, The. Apparatus for producing cleaning suds. 4,829,624, 5-16-89, Cl. 15-320.000.
Gschneidner, Karl A., Jr.: *See—*
  Damento, Michael A.; and Gschneidner, Karl A., Jr., 4,824,826, Cl. 505-1.000.
Gschwend, Hans; Hachtel, Hans; and Wanger, Werner, to Hilti Aktiengesellschaft. Expansion dowel assembly. 4,840,527, 6-20-89, Cl. 411-344.000.
Gschwender, Alois; Szeteli, Andreas; and Kruger, Horst, to Flux-Gerate Gesellschaft mit beschrankter Haftung. Pump with improved seal. 4,854,834, 8-8-89, Cl. 417-423.300.
Gschwender, Alois; Kruger, Horst; and Schleifer, Bernhard, to Flux-Gerate Gesellschaft mit beschrankter Haftung. Fluid pump and method for making the same. 4,875,827, 10-24-89, Cl. 415-111.000.
GSE Electronic Systems, Inc.: *See—*
  Roggendorf, Peter, 4,882,783, Cl. 360-134.000.
GSE, Incorporated: *See—*
  Lang, David A., 4,842,085, Cl. 177-164.000.
Gsell, Laurenz; and Ackermann, Peter, to Ciba-Geigy Corporation. Substituted phenoxybenzyl-(Dihalodimethylcyclopropyl methyl)ethers. 4,798,912, 1-17-89, Cl. 568-637.000.
Gsell, Siegbert: *See—*
  Krumm, Valentin; Gsell, Siegbert; and Cramer, Gottfried, 4,817,681, Cl. 139-450.000.
Gsell, Thomas C.; Salinaro, Richard F.; and Degen, Peter J., to Pall Corporation. Activated medium with low non-specific protein adsorption. 4,886,836, 12-12-89, Cl. 521-53.000.
Gsell, Thomas C.: *See—*
  Degen, Peter J.; and Gsell, Thomas C., 4,826,642, Cl. 264-45.300.
  Pall, David B.; Degen, Peter J.; Matkovich, Vlado I.; and Gsell, Thomas C., 4,861,617, Cl. 427-2.000.
  Pall, David B.; and Gsell, Thomas C., 4,880,548, Cl. 210-767.000.
GSI Engineering, Inc.: *See—*
  Schmitt, Dallas L.; and Polley, Richard B., 4,851,617, Cl. 191-49.000.
Gstohl, Josef. Device for producing a heat and tension resistant as well as flexible connection between the ends of web-like materials. 4,803,934, 2-14-89, Cl. 112-121.140.
GSW Inc.: *See—*
  Campbell, Jack F., 4,830,573, Cl. 415-177.000.
GT Development Corporation: *See—*
  Ashby, David P.; and Green, Charles J., 4,878,513, Cl. 137-102.000.
  Gabrlik, Zdenek; Morris, John M.; and Green, Charles J., 4,886,089, Cl. 137-202.000.
GT-Devices: *See—*
  Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., 4,821,508, Cl. 60-203.100.
  Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., 4,821,509, Cl. 60-203.100.
GTE Communication Systems Corporation: *See—*
  Belanger, Thomas D., Jr., 4,797,784, Cl. 361-395.000.
  Belanger, Thomas D., Jr., 4,797,786, Cl. 361-419.000.
  Belanger, Thomas D., Jr.; and Johnson, Roy L., 4,812,947, Cl. 361-220.000.
  Belanger, Thomas D., Jr., 4,821,149, Cl. 361-395.000.
  Byars, Steven J.; and Carr, William N., 4,802,161, Cl. 370-94.000.
  Kollanyi, Miklos J.; and Buchanan, Frankie P., 4,809,286, Cl. 372-38.000.
  Opderbeck, Holger; Sencer, Gulay; Carr, William N.; and Byars, Steven J., 4,796,256, Cl. 370-110.100.
  Ozaki, Thomas, 4,796,356, Cl. 29-620.000.
  Renner, Robert E., 4,835,767, Cl. 370-62.000.
  Young, John S.; Kruis, Peter; and Blewitt, William D., 4,797,654, Cl. 341-50.000.
GTE Communication Systems, Inc.: *See—*
  Vonder, David L.; and Reimer, William A., 4,795,362, Cl. 439-377.000.
GTE Directories Press, Inc.: *See—*
  Matta, Nagi D., 4,867,432, Cl. 271-9.000.
GTE Government Systems Corporation: *See—*
  Guch, Steve, Jr.; and Smith, John J., 4,826,304, Cl. 350-618.000.
  Guch, Steve, Jr., 4,839,902, Cl. 372-70.000.
  Hostetter, G. Robert, 4,866,395, Cl. 329-109.000.
  Leonard, Donald A.; and Sweeney, Harold E., 4,867,558, Cl. 356-43.000.
  Shelton, Warren M.; and Kuo, Samuel C., 4,814,783, Cl. 343-795.000.
  Sweeney, Harold E., 4,804,891, Cl. 315-383.000.
  Sweeney, Harold E.; and Leonard, Donald A., 4,867,564, Cl. 356-349.000.
  Vaughn, Charles J., 4,870,665, Cl. 328-61.000.
  Vaughn, Charles J., 4,881,040, Cl. 328-61.000.
GTE Laboratories Incorporated: *See—*
  Bellows, Alfred H.; and Duchene, Glenn A., 4,838,041, Cl. 62-51.200.
  Boggs, George J., 4,860,360, Cl. 381-48.000.
  Budinger, A. Bowman; Byszewski, Wojciech W.; and Proud, Joseph M., 4,866,339, Cl. 313-492.000.
  Buljan, Sergej-Tomislav; and Sarin, Vinod K., 4,804,231, Cl. 299-91.000.
  Buljan, Sergej-Tomislav V.; and Geary, Earl G., Jr., 4,863,490, Cl. 51-293.000.
  Buljan, Sergej-Tomislav V.; and Geary, Earl G., Jr., 4,809,836, Cl. 501-97.000.
  Byszewski, Wojciech W.; Butler, Scott J.; Regan, Robert J.; and Proud, Joseph M., 4,888,528, Cl. 315-344.000.
  Chen, Ying C.; Liu, Jia-ming; and Newkirk, Michael A., 4,878,723, Cl. 350-96.140.
  Chen, Yung-Jui; Elman, Boris S.; and Carter, Gary M., 4,808,205, Cl. 204-157.150.
  Cogan, Adrian I., 4,860,081, Cl. 357-49.000.
  Cooperman, Michael; and Sieber, Richard W., 4,805,196, Cl. 375-107.000.
  Cooperman, Michael; and Sieber, Richard W., 4,818,988, Cl. 340-825.850.
  Cooperman, Michael; and Sieber, Richard W., 4,859,877, Cl. 307-443.000.
  Dagenais, Mario; Sharfin, Wayne F.; and Seymour, Robert J., 4,809,204, Cl. 364-713.000.
  D'Angelo, Charles; Baldoni, Joseph G., II; and Buljan, Sergej-Tomislav, 4,810,530, Cl. 427-215.000.
  Ditchek, Brian M.; Levinson, Mark; and Yacobi, Ben G., 4,829,173, Cl. 250-211.00R.
  Dunn, Edmund M.; Kang, Shinhoo; and Wei, George C., 4,883,217, Cl. 228-122.000.
  Dunn, Edmund M.; Kang, Shinhoo; and Wei, George C., 4,883,218, Cl. 228-122.000.
  Durfor, Charles N.; Bowers, Mark L.; and Yenser, Barbara A., 4,797,181, Cl. 204-1.00T.
  Fried, Jeffrey A.; and Rosebrugh, Christopher P., 4,862,412, Cl. 365-49.000.
  Fye, Donald M., 4,839,308, Cl. 431-129.000.
  Fye, Donald M., 4,840,456, Cl. 350-162.170.
  Kadkade, Prakash G., 4,819,373, Cl. 47-58.000.
  Koenigsberg, William D., 4,827,494, Cl. 378-138.000.
  Kramer, Jerry; and Lapatovich, Walter P., 4,801,846, C 313-641.000.
  Lee, Sywe-Neng, 4,851,713, Cl. 307-443.000.
  Lee, Sywe-Neng, 4,862,017, Cl. 307-443.000.
  Lester, Joseph E.; and Folweiler, Robert C., 4,832,935, C 423-483.000.
  Lieberman, Sheldon; Trickett, Elizabeth; and Su, Sophia R., 4,814,128, Cl. 264-65.000.
  Melman, Paul; and Dakss, Mark L., 4,820,018, Cl. 350-96.330.
  Peters, Thomas E.; and Hunt, Roger B., Jr., 4,803,400, C 313-489.000.
  Peters, Thomas E.; and Hunt, Roger B., Jr., 4,806,389, C 427-67.000.
  Prince, Francisco C.; and Armiento, Craig A., 4,820,651, C 437-22.000.
  Raman, Ramaswamy V.; and Hsu, Shih C., 4,854,980, C 148-403.000.
  Rhodes, William H.; Wei, George C.; and Fryburg, George A., 4,797,238, Cl. 264-65.000.
  Rideout, William C.; and Eichen, Elliot, 4,872,180, Cl. 372-99.00
  Rourke, William J.; Lai, Wen-Chao; and Natansohn, Samuel, 4,816,233, Cl. 423-21.500.
  Rubner, Michael; and Sichel, Enid K., 4,808,336, Cl. 252-500.00
  Rubner, Michael F., 4,849,500, Cl. 528-345.000.
  Sarin, Vinod K.; Hintermann, Hans E.; and Gindraux, Gilbert, 4,844,951, Cl. 427-255.000.
  Shaio, Jack, 4,825,434, Cl. 370-80.000.
  Sieber, Richard W.; Perreault, David A.; and Paige, Arnold, 4,807,258, Cl. 375-108.000.
  Sigai, A. Gary; and Taubner, Fred R., 4,797,594, Cl. 313-488.00
  Sigai, A. Gary; Alexander, Michael N.; and Struck, Charles W., 4,818,433, Cl. 252-301.40R.
  Sigai, A. Gary, 4,825,124, Cl. 313-486.000.
  Sigai, A. Gary; Lapatovich, Walter P.; and Alexander, Michael N., 4,874,984, Cl. 313-486.000.
  Su, Sophia R., 4,834,928, Cl. 264-56.000.
  Trickett, Elizabeth A.; and Assmus, Richard C., 4,806,295, C 264-59.000.
  Trickett, Elizabeth A.; and Assmus, Richard C., 4,833,000, C 428-137.000.
  Tweedy, Ernest P.; Lin, Eric C. W.; Eichelberger, George P.; and Mustafa, Mehmet, 4,816,905, Cl. 358-86.000.
  Veeneman, Dale E.; and Mazor, Baruch, 4,852,169, Cl. 381-38.00

  Wang, Da Y.; Kennedy, Daniel T.; and MacAllister, Burton W., Jr., 4,880,519, Cl. 204-425.000.
GTE Mobilnet Incorporated: *See—*
  Blair, Kevin B., 4,875,230, Cl. 379-63.000.
  Hollewed, Edward J.; Goeken, John D.; and Oldani, Jerome L., 4,881,254, Cl. 379-144.000.
GTE North Incorporated: *See—*
  Magnusson, Joseph W.; and Dufford, Dennis W., 4,868,848, Cl. 379-355.000.
GTE Products Corporation: *See—*
  Anderton, John J., 4,822,131, Cl. 350-96.210.
  Anderton, John J., 4,824,198, Cl. 350-96.210.
  Anderton, John J., 4,832,440, Cl. 350-96.210.
  Anderton, John J., 4,838,640, Cl. 350-96.200.
  Anderton, John J., 4,842,362, Cl. 350-96.200.
  Barakitis, Nikolaos; and Zaslavsky, Gregory, 4,843,282, Cl. 313-619.000.
  Barakitis, Nikolaos; and Zaslavsky, Gregory, 4,845,406, Cl. 313-558.000.
  Barakitis, Nikolaos; and Zaslavsky, Gregory, 4,882,835, Cl. 29-622.000.
  Benson, Timothy A.; and Gagnon, Peter R., 4,829,210, Cl. 313-25.000.
  Benson, Timothy A.; and Gagnon, Peter R., 4,835,443, Cl. 313-579.000.
  Betzler, Mark H.; and Swanson, Steven E., 4,804,252, Cl. 350-96.230.
  Betzler, Mark H.; and Swanson, Steven E., 4,815,810, Cl. 350-96.200.
  Betzler, Mark H.; and Swanson, Steven E., 4,834,489, Cl. 350-96.200.
  Blaindell, Ronald G.; and Hough, Harold L., 4,878,159, Cl. 362-222.000.
  Bouchard, Andre C.; and Thibault, Paul A., 4,836,816, Cl. 445-51.000.
  Boudreau, Robert A.; and Brown, Robert E., 4,839,563, Cl. 315-169.300.
  Cannon, Donald M., 4,854,888, Cl. 439-236.000.
  Cannon, Donald M., 4,878,854, Cl. 439-236.000.
  Carbone, Douglas C.; and Prager, Lee A., 4,822,980, Cl. 219-315.000.
  Carl, William E.; and McGohon, Ronald W., 4,842,147, Cl. 209-575.000.
  Chakrabarti, Kirti B.; and English, George J., 4,814,959, Cl. 362-294.000.
  Cheresnowsky, John, 4,885,144, Cl. 423-54.000.
  Cheresnowsky, Michael J., 4,798,623, Cl. 75-0.5AA.
  Cheresnowsky, Michael J.; and Scheftic, Judy L., 4,814,148, Cl. 423-55.000.
  Coliandris, Chris; Belliveau, Paul F.; and Parikh, Sudhir, 4,795,388, Cl. 445-22.000.
  Connor, William G.; and Coliandris, Chris, 4,797,794, Cl. 362-226.000.
  Cooper, David A.; and Barlow, Robert W., 4,854,661, Cl. 350-96.200.
  Cox, David A., 4,876,483, Cl. 313-634.000.
  Crane, Robert A., 4,808,774, Cl. 174-135.000.
  Crane, Robert A.; and Napiorkowski, John J., 4,824,390, Cl. 439-271.000.
  Crane, Robert A.; and Morse, Harrod W., 4,890,318, Cl. 379-399.000.
  Crosby, John J.; and Napiorkowski, John J., 4,876,713, Cl. 379-412.000.
  Devir, Daniel D.; Dolan, Richard J.; and Bergin, John A., 4,837,479, Cl. 313-318.000.
  Devir, Daniel D., 4,877,992, Cl. 313-318.000.
  Douglas, Alan D.; MacInnis, Martin B.; and Vanderpool, Clarence D., 4,816,069, Cl. 75-0.5BA.
  Dowler, David H.; and St. John, Richard K., 4,825,466, Cl. 379-445.000.
  Ekowicki, Robert; and Watson, Richard C., 4,823,104, Cl. 337-102.000.
  Ekowicki, Robert L., 4,837,655, Cl. 361-103.000.
  English, George J.; Rothwell, Harold J., Jr.; and Gilligan, Thomas, 4,823,050, Cl. 313-634.000.
  English, George J.; and Rothwell, Harold L., Jr., 4,847,530, Cl. 313-25.000.
  English, George J.; and Rothwell, Harold L., Jr., 4,847,530, Cl. 313-25.000.
  English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., 4,850,918, Cl. 445-40.000.
  English, George J.; Rothwell, Harold L., Jr.; and Gilligan, Thomas, 4,864,180, Cl. 313-44.000.
  English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., 4,874,988, Cl. 313-620.000.
  Fan, Albert K.; Ginter, Douglas R.; Lenox, Joseph J.; and Henson, Thomas L., 4,840,747, Cl. 252-301.40R.
  Fields, Larry R.; Martin, Michael L.; and Morris, Merle E., 4,868,451, Cl. 313-279.000.
  Fleming, Raymond T., 4,864,184, Cl. 313-318.000.
  Ford, Cheryl A., 4,857,798, Cl. 313-487.000.
  Gagnon, Peter R.; and Benson, Timothy A., 4,855,634, Cl. 313-113.000.
  Gilder, Thomas G., Jr.; and O'Dean, Raymond D., 4,820,658, Cl. 437-209.000.
  Gingerich, Richard G. W.; Arbie, John A.; and Jackson, Douglas M., 4,826,622, Cl. 252-301.60P.
  Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased; Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., 4,802,859, Cl. 439-74.000.
  Gouldy, Thomas E., 4,872,937, Cl. 156-313.000.
  Griffin, Robert M., 4,857,804, Cl. 313-557.000.
  Grossman, Mark W.; and George, William A., 4,800,284, Cl. 250-505.100.
  Grossman, Mark W.; and George, William A., 4,839,524, Cl. 250-505.100.
  Grossman, Mark W.; and George, William A., 4,855,635, Cl. 313-156.000.
  Grossman, Mark W.; and George, William A., 4,879,010, Cl. 204-105.00R.
  Haraden, Thomas, 4,868,722, Cl. 362-80.000.
  Holmes, James L.; and Parks, Ralph P., Jr., 4,823,047, Cl. 313-546.000.
  Hough, Harold L.; English, George J.; and Chakrabarti, Kirti B., 4,804,878, Cl. 313-113.000.
  Hsieh, Martin Y., 4,873,210, Cl. 501-98.000.
  Hsieh, Martin Y., 4,879,079, Cl. 264-56.000.
  Hsieh, Martin Y., 4,879,080, Cl. 264-63.000.
  Husted, Eric F.; and Ladd, Judith A., 4,840,775, Cl. 423-150.000.
  Husted, Eric F., 4,840,776, Cl. 423-150.000.
  Ide, Mason G.; Lawrence, Noel L. W.; and Prager, Lee, 4,876,436, Cl. 219-370.000.
  Johnson, Robert R.; and Orbanic, Robert S., 4,828,514, Cl. 439-751.000.
  Johnson, Robert R.; and Orbanic, Robert S., 4,872,260, Cl. 29-827.000.
  Johnson, Walter A.; Kemp, Preston B., Jr.; and Spencer, James R., 4,832,907, Cl. 419-36.000.
  Johnson, Walter A.; Kopatz, Nelson E.; and Ritsko, Joseph E., 4,859,237, Cl. 75-0.5AA.
  Jones, Gerald M., 4,860,445, Cl. 29-842.000.
  Jones, Gerald M.; and Nemcovsky, Rhonda L., 4,872,259, Cl. 29-764.000.
  Jones, Gerald M.; and Nemcovsky, Rhonda L., 4,882,838, Cl. 29-829.000.
  Keeffe, William M.; Waymouth, John F.; and Zaslavsky, Gregory, 4,812,714, Cl. 315-60.000.
  Keeffe, William M.; Krasko, Zeya; Karlotski, Robert J.; and Morris, James C., 4,859,899, Cl. 313-25.000.
  Keeffe, William M.; Karlotski, Robert J.; Kulik, Joseph S.; and Bazin, Simone P., 4,888,517, Cl. 313-25.000.
  Keeffe, William M.; and Krasko, Zeya K., 4,890,030, Cl. 313-25.000.
  Kegel, Andrew J.; Spencer, James R.; Smith, James S.; Rhodes, Russell H.; and Mullendore, James A., 4,836,108, Cl. 102-306.000.
  Kemp, Preston B., Jr.; Johnson, Walter A.; and Kopatz, Nelson E., 4,800,064, Cl. 419-36.000.
  Kemp, Preston B., Jr.; and Holland, Robert J., Sr., 4,818,567, Cl. 427-216.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,836,850, Cl. 75-251.000.
  Kemp, Preston B., Jr.; and Holland, Robert J., Sr., 4,844,355, Cl. 241-172.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,847,045, Cl. 419-36.000.
  Kemp, Preston B., Jr.; and Holland, Robert J., Sr., 4,873,148, Cl. 428-570.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,880,170, Cl. 241-5.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,884,754, Cl. 241-5.000.
  Kling, Michael R., 4,837,483, Cl. 313-619.000.
  Kopatz, Nelson E.; Ritsko, Joseph E.; and Johnson, Walter A., 4,802,915, Cl. 75-0.5AA.
  Kopatz, Nelson E.; and Pruyne, Lori S., 4,808,217, Cl. 75-0.50B.
  Kopatz, Nelson E.; and Vanderpool, Jack E., 4,816,067, Cl. 75-0.50B.
  Kopatz, Nelson E.; Stermer, Philip E.; and Pruyne, Lori S., 4,880,605, Cl. 422-232.000.
  Kopatz, Nelson E.; Johnson, Walter A.; Vanderpool, Jack E.; and Shaw, Howard H., 4,885,028, Cl. 75-0.5BB.
  Krasko, Zeya K.; and Keeffe, William M., 4,825,127, Cl. 313-638.000.
  Kraus, Robert D.; and Nemcovsky, Rhonda L., 4,826,456, Cl. 439-751.000.
  Ladd, Judith A.; and Miller, Michael J., 4,798,708, Cl. 423-55.000.
  Lagushenko, Radomir; Maya, Jakob; and Pai, Robert Y., 4,825,125, Cl. 313-493.000.
  Lagushenko, Radomir; and Maya, Jakob, 4,884,007, Cl. 313-573.000.
  Loy, Helmut M.; Eich, Armin; and Kohler, Sigurd, 4,814,663, Cl. 313-39.000.
  Lynch, Thomas; and Montgelas, Rudolph A., 4,844,580, Cl. 350-96.180.
  Lynch, Thomas M., 4,838,800, Cl. 439-78.000.
  Makar, Francis B., Jr.; and Fryburg, George A., 4,803,403, Cl. 313-624.000.
  Maya, Jakob; and Lagushenko, Rodomir, 4,816,719, Cl. 313-610.000.
  McKenna, John F.; and Witzel, Jeff, 4,810,931, Cl. 313-509.000.
  McSweeney, Robert T., 4,858,066, Cl. 361-321.000.

Melanson, Lionel J., 4,855,575, Cl. 219-541.000.
Melanson, Lionel J.; and Sentementes, Thomas J., 4,886,956, Cl. 219-541.000.
Mellor, Charles E., 4,839,553, Cl. 313-111.000.
Mellor, Charles E., 4,854,670, Cl. 350-166.000.
Mickelson, Nils P.; and MacFarlane, Jerauld C., 4,866,575, Cl. 361-426.000.
Mizuhara, Howard, 4,799,532, Cl. 164-47.000.
Mizuhara, Howard, 4,801,066, Cl. 228-56.300.
Mizuhara, Howard, 4,835,793, Cl. 372-61.000.
Mizuhara, Howard, 4,839,141, Cl. 420-587.000.
Mizuhara, Howard, 4,853,291, Cl. 428-593.000.
Mizuhara, Howard; and Huebel, Eugene, 4,877,692, Cl. 428-673.000.
Mizuhara, Howard, 4,883,640, Cl. 420-417.000.
Mizuhara, Howard, 4,883,745, Cl. 420-502.000.
Morgan, Ricky D.; and Sylvester, Vito P., 4,821,554, Cl. 72-377.000.
Munn, Robin W.; McClintic, Robert P.; and Reilly, Kenneth T., 4,803,062, Cl. 423-492.000.
Ojanen, Randall W., 4,836,614, Cl. 299-86.000.
Opdahl, Barry J.; Hooren, Douglas H.; and Calaby, Lauren F., 4,859,022, Cl. 350-96.200.
Owen, Alex F., 4,795,354, Cl. 439-137.000.
Owen, Alex F., 4,846,730, Cl. 439-260.000.
Owen, Alex F., 4,859,198, Cl. 439-252.000.
Pai, Robert Y., 4,845,408, Cl. 315-238.000.
Parent, Edward D.; Spooner, Edwin J.; and Scoledge, Robert F., Jr., 4,847,031, Cl. 264-332.000.
Parks, Ralph P., Jr.; and Roche, William J., 4,870,323, Cl. 313-546.000.
Passmore, Edmund M., 4,822,312, Cl. 445-49.000.
Passmore, Edmund M., 4,859,239, Cl. 75-235.000.
Passmore, Edmund M., 4,881,009, Cl. 313-631.000.
Patrician, Thomas J.; Ritsko, Joseph E.; and Martin, Harry D., III, 4,859,236, Cl. 75-0.5AB.
Penkunas, Joe; and Portnoff, Neil, 4,865,392, Cl. 299-86.000.
Penkunas, Joseph J.; Smith, Theodore E.; and Burwick, Jack L., 4,886,638, Cl. 419-15.000.
Poster, Thomas J., Jr., 4,800,588, Cl. 379-412.000.
Powell, John R., 4,860,435, Cl. 29-622.000.
Powers, John A.; Patton, James C.; and Christini, James N., 4,882,131, Cl. 423-54.000.
Prager, Lee A.; and Ide, Mason, 4,797,534, Cl. 219-326.000.
Prager, Lee A.; and Carbone, Douglas C., 4,823,064, Cl. 318-783.000.
Prager, Lee A.; and Carbone, Douglas C., 4,841,127, Cl. 219-225.000.
Ragland, Owtis J., Jr., deceased; Westlund, Arnold E., Jr.; Reynolds, Paul B.; and Denham, Stuart K., 4,806,817, Cl. 313-279.000.
Rattray, Kendrick D.; and Plante, Leo J., 4,843,279, Cl. 313-487.000.
Reid, David A.; Johnson, Roger A.; and Gutta, John, 4,804,889, Cl. 313-624.000.
Reilly, Kenneth T.; and Gingerich, Richard G. W., 4,859,361, Cl. 252-301.60S.
Reilly, Kenneth T.; Douglas, Alan D.; and Hoffman, Henry E., 4,889,703, Cl. 423-326.000.
Rhodes, William H.; Wei, George C.; and Fryburg, George A., 4,797,238, Cl. 264-65.000.
Ritsko, Joseph E.; and Lee, Jen S., 4,801,472, Cl. 427-217.000.
Rothwell, Harold L., Jr.; and Grant, Jeffrey O., 4,884,009, Cl. 315-246.000.
Schaeffer, Gene T.; Patrician, Thomas J.; and Bloss, Paul L., 4,863,527, Cl. 148-11.50F.
Scheithauer, Richard A.; Vanderpool, Clarence D.; and Miller, Michael J., 4,804,407, Cl. 75-0.5AA.
Schrank, Martin P., 4,839,557, Cl. 313-509.000.
Shaffer, John W., 4,810,221, Cl. 445-9.000.
Siegrist, Stanley R., 4,887,980, Cl. 439-842.000.
Sigai, A. Gary; and Taubner, Fred R., 4,797,594, Cl. 313-488.000.
Spencer, James R.; and Mullendore, James A., 4,885,031, Cl. 75-248.000.
Stevens, Chad I.; and Parent, Edward D., 4,853,016, Cl. 65-18.100.
Swanson, Steven E.; and Gee, Arnold E., 4,846,565, Cl. 350-96.220.
Tuttle, Billy W., 4,879,494, Cl. 315-61.000.
Vanderpool, Clarence D.; Ladd, Judith A.; MacInnis, Martin B.; and Fedorchak, Mary A., 4,808,384, Cl. 423-21.100.
Wagenknecht, Arthur J.; Anderson, John R.; and Guzikowski, Joseph A., 4,812,705, Cl. 313-406.000.
Ward, Robert L., 4,830,822, Cl. 428-547.000.
Waymouth, John F., 4,841,196, Cl. 315-65.000.
White, Philip J.; and Goodman, David A., 4,806,826, Cl. 313-631.000.
White, Philip J.; Morris, James C.; and Keeffe, William M., 4,850,499, Cl. 220-2.10R.
White, Philip J.; Morris, James C.; and Keeffe, William M., 4,850,500, Cl. 220-2.10R.
White, Philip J., 4,855,643, Cl. 313-553.000.
White, Philip J.; Scholz, John A.; and White, Robert S., 4,859,905, Cl. 313-558.000.
Wolfe, Robert W., 4,853,254, Cl. 427-64.000.
Wolfe, Robert W.; and Morse, James E., 4,859,497, Cl. 427-68.000.
Wyner, Elliot F.; and Paget, Fredrick W., 4,808,888, Cl. 315-289.000.
Yale, Ramon L., 4,888,129, Cl. 252-301.60S.
Zaslavsky, Gregory; Barakitis, Nikolaos; and Keeffe, William M., 4,818,915, Cl. 315-60.000.

GTE Service Corporation: *See—*
Tweedy, Ernest P.; Lin, Eric C. W.; Eichelberger, George P.; and Mustafa, Mehmet, 4,816,905, Cl. 358-86.000.

GTE Spacenet Corporation: *See—*
Hughes, Paul R., 4,858,069, Cl. 361-384.000.

GTE Sylvania Licht GmbH: *See—*
Beucher, Josef, 4,876,443, Cl. 250-211.00R.

GTE Sylvania Limited: *See—*
Cunliffe, John; and Grabham, Brian J., 4,862,035, Cl. 315-58.000.

GTE Telecommunicazioni, S.p.A.: *See—*
Bonato, Paolo, 4,817,201, Cl. 455-325.000.
Bottacchi, Stefano; and Oselladore, Mauro, 4,799,224, Cl. 372-38.000.
Ceroni, Ettore; and Lo Curto, Michelangelo, 4,795,986, Cl. 329-124.000.
Ferraris, Giampiero; and Tersalvi, Antonio, 4,812,388, Cl. 430-314.000.
Picchi, Giorgio; and Prati, Giancarlo, 4,847,797, Cl. 364-602.000.
Testi, Termano; and Merli, Gabriele, 4,887,043, Cl. 328-155.000.

GTE Valenite Corporation: *See—*
Beck, Hans W.; and Nikstat, Siegmar, 4,813,828, Cl. 409-132.000.
Bernadic, Thomas; Patterson, John; and Lowe, Tony, 4,856,942, Cl. 407-114.000.
Bernadic, Thomas J.; Lowe, Tony M.; Patterson, John H.; Katbi, Karl A.; Zimmerman, Charles E.; and Val, Yefim, 4,846,609, Cl. 407-114.000.
Bhat, Deepak; and Shah, Dhirajlal, 4,881,950, Cl. 51-307.000.
Bosek, Ronald P., 4,797,039, Cl. 407-87.000.
Cho, Toshiaki; Narasimhan, Krishnan; and Bhat, Deepak G. 4,830,886, Cl. 427-249.000.
Cook, Kenneth J., 4,884,346, Cl. 33-542.000.
Hunt, Carl E., 4,804,301, Cl. 409-233.000.
Hunt, Carl E., 4,871,286, Cl. 408-144.000.
Hunt, Carl E., 4,878,787, Cl. 408-181.000.
Khinchuk, Henry, 4,881,324, Cl. 33-555.100.
Lowe, Tony; and Bernadic, Thomas, 4,854,785, Cl. 407-115.000.
Patterson, John H.; Lowe, Tony M.; Bernadic, Thomas J.; Val, Yefim; Katbi, Karl A.; and Zimmerman, Charles E., 4,859,122, Cl. 407-114.000.
Plutschuck, Lawrence; and Ochenski, James E., 4,840,518, Cl. 407-113.000.
Reiterman, Lee, 4,852,438, Cl. 82-131.000.
Stashko, Daniel R., 4,812,087, Cl. 407-42.000.
Stashko, Daniel R., 4,838,739, Cl. 407-42.000.
Stashko, Daniel R., 4,850,757, Cl. 408-179.000.
Stashko, Daniel R., 4,880,338, Cl. 407-114.000.
Yohe, Warren C., 4,828,612, Cl. 75-238.000.

GTE Valeron Corporation: *See—*
Cusack, Robert F., 4,795,317, Cl. 417-322.000.
Cusack, Robert F., 4,795,318, Cl. 417-322.000.
Cusack, Robert F., 4,803,786, Cl. 33-644.000.
Cusack, Robert F., 4,804,314, Cl. 417-322.000.
Cusack, Robert F., 4,815,946, Cl. 417-322.000.
Juengel, Richard O., 4,843,640, Cl. 455-604.000.
Van Sickle, Richard G.; and Bour, George, 4,873,768, Cl. 33-178.00R.

GTECH Corporation: *See—*
Bergeron, Daniel R.; and Dutton, Clifton C., 4,882,473, Cl. 235-380.000.

GTG, Inc.: *See—*
Agee, Kenneth L., 4,833,170, Cl. 518-703.000.

Gtm-Entrepose: *See—*
Augoyard, Jean-Pierre, 4,819,393, Cl. 52-223.00L.

GTM Gassmann Theiss Messtechnik GmbH: *See—*
Gassmann, Helmut, 4,811,610, Cl. 73-862.650.

GTX Corporation: *See—*
Horowitz, Steven L., 4,802,230, Cl. 382-22.000.
Krich, David M., 4,797,806, Cl. 364-900.000.
Lien, Yih-Liang L., 4,817,187, Cl. 382-56.000.
Roye, John M., 4,821,336, Cl. 382-56.000.

Gu, Alston L., to Allied-Signal Inc. Foil bearing. 4,795,274, 1-3-89, Cl. 384-106.000.
Gu, Alston L., to Allied-Signal Inc. Foil journal bearing cooling 4,818,123, 4-4-89, Cl. 384-106.000.
Gu, Alston L., to Allied-Signal Inc. Foil thrust bearing. 4,871,26 10-3-89, Cl. 384-105.000.

Gu, Chee-Liang L.: *See—*
Allison, Anthony C.; Eugui, Elsie M.; Nelson, Peter H.; Gu, Chee-Liang L.; and Lee, William A., 4,868,153, Cl. 514-470.000.
Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugu Elsie M.; and Lee, William A., 4,808,592, Cl. 514-233.500.
Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugu Elsie M.; and Lee, William A., 4,861,776, Cl. 514-233.500.

Gu, Jen-Tau, to China Technical Consultants, Inc. Purification of halogenated aromatic compounds. 4,847,428, 7-11-89, Cl. 568-639.000.

Gu, Jiaoyou: *See—*
Fang, Hongsheng; Zhao, Rufa; Zheng, Yankang; Chen, Ziyu He, Guangchu; Gu, Jiaoyou; Zhu, Mingang; Zhang, Zhixin; and Tong, Keging, 4,812,182, Cl. 148-330.000.

Gu, Zheng-xing; and Hsieh, Shaung-shii, to Lian-yun-gang Chemica Mines Research and Design Institute; and Tennessee Valley Authority, The. Beneficiating dolomitic phosphate ores with humic acid. 4,804,462, 2-14-89, Cl. 209-167.000.

Guadagna, John P.: *See—*
Wagner, Lawrence F.; Burleson, Wayne P.; and Guadagna, John P., 4,857,882, Cl. 340-146.200.
Wagner, Lawrence F.; Van Dyke, Korbin S.; Burleson, Wayne P.; Hemming, Robert D.; and Guadagna, John P., 4,862,346, Cl. 364-200.000.

Guadagno, James R., to Cimarron Technology Ltd. Passive railway switching system. 4,862,807, 9-5-89, Cl. 104-130.000.
Guadagno, James R., to Cimarron Technology Ltd. Supports for railway linear synchronous motor. 4,862,809, 9-5-89, Cl. 104-292.000.

Guadagno, Philip A.: *See—*
Sarrine, Robert J.; Garsee, Henry A.; Kelley, Charles D.; and Guadagno, Philip A., 4,810,348, Cl. 204-299.00R.
Sarrine, Robert J.; Garsee, Henry A.; Kelley, Charles D.; and Guadagno, Philip A., 4,890,247, Cl. 364-571.040.

Guagliardo, John L.: *See—*
Pohlmann, Juergen L. W.; Honey, Richard C.; and Guagliardo, John L., 4,890,075, Cl. 330-4.300.

Guala, Piergiacomo, to STA.TE. S.p.A. Disposable device for collecting physiological samples, in particular coprological samples. 4,842,826, 6-27-89, Cl. 422-102.000.
Guala, Piergiacomo. Microbiological culture device. 4,865,988, 9-12-89, Cl. 435-296.000.

Guala S.p.A.: *See—*
Battegazzore, Piero, 4,821,926, Cl. 222-209.000.

Gualandris, Fabio, to SGS Microelecttronica S.p.A. (RIE) Plasma process for making metal-semiconductor ohmic type contacts. 4,806,199, 2-21-89, Cl. 156-643.000.
Gualandris, Rene; Ludwig, Paul; Rocco, Jean-Claude; and Zadworny, Francois, to Commissariat A L'Energie Atomique. Process and apparatus for igniting an ultra-high frequency ion source. 4,859,909, 8-22-89, Cl. 315-111.810.
Gualchierani, Sergio, to Gualchierani System s.a.s. di Sergio Gualchierani & C. Apparatus for automatically supplying continuous spinning machines with reeled material. 4,817,373, 4-4-89, Cl. 57-281.000.

Gualchierani System s.a.s. di Sergio Gualchierani & C.: *See—*
Gualchierani, Sergio, 4,817,373, Cl. 57-281.000.

Guan, Gang-Shyr: *See—*
Hsieh, Min-Lang; Huang, Jan-Hong; Jan, Lian; and Guan, Gang-Shyr, 4,882,895, Cl. 53-531.000.

Guanciale, Gary. Apparatus for improving efficiency and consistency of a drag race car. 4,873,891, 10-17-89, Cl. 74-625.000.
Guangchun, Yao; Zhuxian, Qiu; and Wu, Nu Z., to Northeast University of Technology; and Shandong Aluminum Works. Activated carbon anode including lithium. 4,885,073, 12-5-89, Cl. 204-291.000.

Guaraldi, Glenn A.: *See—*
Ornberg, John H.; and Guaraldi, Glenn A., 4,848,518, Cl. 184-6.120.

Guard Associates, Inc.: *See—*
Kurtz, Richard J., 4,842,007, Cl. 137-223.000.

Guardian Industries Corp.: *See—*
Chenoweth, Vaughn C.; and Goodsell, Robert C., 4,888,235, Cl. 428-283.000.
Chenoweth, Vaughn C.; and Goodsell, Roger C., 4,889,764, Cl. 428-283.000.
Nalepka, Raymond; and Huffer, Russell, 4,883,721, Cl. 428-623.000.

Guardian Products, Inc.: *See—*
Schultz, Jim, 4,872,469, Cl. 135-69.000.

Guardian Technologies, Inc.: *See—*
Fuller, Kip L.; and Collier, Donald W., 4,843,377, Cl. 340-573.000.

Guardian Telecommunications Systems, Inc./VASA Engineering: *See—*
Brittain, Donald; and Boutin, Germain, 4,819,262, Cl. 379-157.000.

Guardiani, Richard F.; and Nyilas, Charles P., to Westinghouse Electric Corp. Reactor coolant pump hydrostatic sealing assembly with improved hydraulic balance. 4,838,559, 6-13-89, Cl. 277-3.000.

Guardiani, Richard F.: *See—*
Nyilas, Charles P.; and Guardiani, Richard F., 4,848,774, Cl. 277-3.000.

Guardiola, Agustin D., to Talleres Daumar, SA. Automatic weighing machine for food products and the like. 4,819,749, 4-11-89, Cl. 177-25.180.

Guare, James P., Jr.: *See—*
Baldwin, John J.; Huff, Joel R.; Vacca, Joseph P.; Young, Steven D.; deSolms, Jane; and Guare, James P., Jr., 4,824,849, Cl. 514-267.000.

Guarino, Mark A.; and Acerno, Michael J. Sulky with movably coupled and stabilized rail 4,863,180, 9-5-89, Cl. 280-63.000.

Guarino, Richard A.: *See—*
Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.; Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.

Guarino, Theresa: *See—*
Wijangco, Antonio; Guarino, Theresa; and Zahensky, Robert, 4,863,582, Cl. 204-299.00R.

Guarlotti, Clement A.; Rinchuse, Daniel J.; and Rinchuse, Donald J. Method of in-situ custom fitting a protective mouthguard. 4,848,365, 7-18-89, Cl. 128-859.000.
Guarnaccia, Joseph J.; and Masucci, Ernest J., to Stanley Works, The. Single edge razor blade with integral back. 4,860,452, 8-29-89, Cl. 30-346.600.
Guarnori, Manuel, to Racine, Roland. Assembly comprising rolling means and slideways, and lighting apparatus comprising such an assembly. 4,875,648, 10-24-89, Cl. 248-125.000.
Gubany, Peter M. Yard golf game apparatus. 4,878,671, 11-7-89, Cl. 273-176.00R.
Gubbins, Harry L.; Page, Jerry L.; and Sugarbaker, Daniel L., to Smiths Industries; and SLI Avionic Systems Corp. Integrated triad optical rate sensor apparatus. 4,828,389, 5-9-89, Cl. 356-350.000.

Gubert, Santiago: *See—*
Foguet, Rafael; Ortiz, Jose A.; Gubert, Santiago; Raga, Manuel M.; and Sacristan, Aurelio, 4,883,797, Cl. 514-255.000.

Guberud, Robert B.: *See—*
Carlin, John A.; Guberud, Robert B.; and Mobeck, William L., 4,850,223, Cl. 73-49.200.

Gubin, Daniel. Combined speedometer and tachometer. 4,841,902, 6-27-89, Cl. 116-62.400.

Gubiotti, Roberto: *See—*
Vacchiano, Sergio; Lanfranco, Giovanni; and Gubiotti, Roberto, 4,824,636, Cl. 420-59.000.

Guch, Steve, Jr.; and Smith, John J., to GTE Government Systems Corporation. Adjustable optical mounting assembly. 4,826,304, 5-2-89, Cl. 350-618.000.
Guch, Steve, Jr., to GTE Government Systems Corporation. Laser with controlled geometry fluorescent converter. 4,839,902, 6-13-89, Cl. 372-70.000.

Guck, Henry H.: *See—*
Ponder, Roland C., Jr.; and Guck, Henry H., 4,819,367, Cl. 43-55.000.

Guckel, Henry; and Burns, David W., to Wisconsin Alumni Research Foundation. Sealed cavity semiconductor pressure transducers and method of producing the same. 4,853,669, 8-1-89, Cl. 338-4.000.

Guckenberger, Anthony C.: *See—*
Hsu, Joseph C.; and Guckenberger, Anthony C., 4,881,649, Cl. 206-634.000.

Gudat, Adam J., to Caterpillar Inc. Method for displaying load distribution by monitoring a work vehicle suspension. 4,852,674, 8-1-89, Cl. 177-141.000.

Gudat, Adam J.: *See—*
Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., 4,845,975, Cl. 73-11.000.
Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., 4,887,454, Cl. 73-11.000.

Gudat, Wolfgang; Liermann, Peter; and Binarsch, Jurgen, to WABCO Fahrzeugbremsen GmbH. Electropneumatic door control system. 4,827,415, 5-2-89, Cl. 364-424.050.
Gude, Fritz; and Bellut, Hans, to Huels Aktiengesellschaft. Process for the preparation of dicyclopentenol esters. 4,855,488, 8-8-89, Cl. 560-249.000.
Gudenau, Ronald A.; and Tamasiunas, Charles, to Rapidfil, Inc. Multifunction fluid charging device. 4,869,300, 9-26-89, Cl. 141-59.000.

Guder, Harald: *See—*
Batzill, Wolfgang; Heilmann, Ulrich; Streitberger, Hans J.; Guder, Harald; and Beck, Fritz, 4,882,090, Cl. 252-511.000.

Gudermuth, Clyde S., Jr., to EBSCO Industries, Inc. Swivel tail articulated fishing lure. 4,873,782, 10-17-89, Cl. 43-42.150.

Gudermuth, Clyde S., Jr.: *See—*
Wilson, William H.; and Gudermuth, Clyde S., Jr., 4,862,631, Cl. 43-42.330.

Gudin, Claude: *See—*
Berson, Xavier; Bouyssou, Michel; Castel, Yves; Chaumont, Daniel; and Gudin, Claude, 4,868,123, Cl. 435-290.000.

Gudmandsen, Robert: *See—*
Larsen, Jan; Gudmandsen, Robert; and Winfeld, Per, 4,884,262, Cl. 369-136.000.

Gudmestad, Ragnar: *See—*
Wollermann, Kenneth; Gudmestad, Ragnar; Kroening, Terry R.; and Conrardy, John E., 4,819,533, Cl. 83-154.000.
Wollermann, Kenneth; and Gudmestad, Ragnar, 4,879,926, Cl. 81-9.510.

Gudmundson, Chris R. Steam turbine. 4,819,434, 4-11-89, Cl. 60-653.000.
Gudmundson, Gunnar G.; Hebert, Martin E.; Hadank, Walter R.; Crochetiere, Raymond H.; and Kenyon, Douglas A., to Standard Manufacturing. Photofinishing packaging system. 4,821,061, 4-11-89, Cl. 355-40.000.
Gudmundsson, Bjoern J. Snow removal apparatus and method. 4,885,852, 12-12-89, Cl. 37-260.000.

Gudovskikh, Vladimir A.: *See—*
Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasilnikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A., 4,817,120, Cl. 378-45.000.

Gudow, Karlheinz, to Klingelnberg Sohne. Numerically controlled machine for processing printed circuit boards. 4,865,494, 9-12-89, Cl. 408-13.000.

Guebels, Pierre-Paul F.: *See—*
Dierckx, Rudolf F. I.; Sallaerts, Daniel; and Guebels, Pierre-Paul F., 4,803,648, Cl. 364-724.190.

Guebey, Patrick, to Compagnie Generale d'Automatisme CGA-HBS. Image processing apparatus. 4,805,226, 2-14-89, Cl. 382-27.000.

Guedaguian, Arsene: *See—*
Lavoine, Jean-Claude; and Guedaguian, Arsene, 4,881,281, Cl. 4-572.000.

Guegan, Remy: *See—*
Wagnon, Jean; Guegan, Remy; LaCour, Colette; and Nisato, Dino, 4,840,935, Cl. 514-18.000.

Gueguen, Claude: *See—*

Fajula, Francois; Figueras, Francois; Gueguen, Claude; and Dutartre, Roger, 4,847,224, Cl. 502-67.000.

Guelden, Ronald H.: *See—*

Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,820,192, Cl. 439-404.000.

Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,865,564, Cl. 439-404.000.

Gueldenzopf, Thomas D., to S. C. Johnson & Son, Inc. Polymer sheet for delivering laundry care additive and laundry care product formed from same. 4,797,221, 1-10-89, Cl. 252-95.000.

Guelfi, Giorgio: *See—*

Pristera, Raffaele; Rugora, Edoardo; Fioravazzi, Silvio; Guelfi, Giorgio; Bassi, Aldo; and Poli, Alberto, 4,873,451, Cl. 307-10.100.

Gueli, Carmen, to Van Wormer Management Corporation. Fusible link construction. 4,796,420, 1-10-89, Cl. 59-93.000.

Guell, Jose M. D., to Jumberca, S.A. Needle wrapping device for circular knitting machine. 4,819,456, 4-11-89, Cl. 66-135.000.

Guell, Jose M. D., to Jumberca, S.A. Needle selection system for a circular knitting machine. 4,860,557, 8-29-89, Cl. 66-14.000.

Guenard, Daniel: *See—*

Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,814.470, Cl. 514-449.000.

Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,857,653, Cl. 549-511.000.

Guenes, Uenal: *See—*

Stuecker, Erwin; Hofer, Gerhard; Koch, Dietmar; and Guenes, Uenal, 4,881,030, Cl. 324-209.000.

Guenette, Gerald R.: *See—*

Epstein, Alan H.; Guenette, Gerald R.; and Norton, Robert J. G., 4,812,050, Cl. 374-1.000.

Guenette, Martin C.: *See—*

Krebs, Arthur D.; and Guenette, Martin C., 4,858,353, Cl. 40-308.000.

Guenin, Gerard: *See—*

de Mendez, Michel; Negre, Jean J.; Guenin, Gerard; and Herubel, Guy, 4,810,201, Cl. 439-161.000.

Guenin, Serge: *See—*

Barbier, Rene; and Guenin, Serge, 4,889,504, Cl. 439-712.000.

Guenot, Andre; and Cantou, Christian J. R., to U.S. Philips Corporation. Arrangement for receiving numerical data, comprising a circuit for recognizing the start of packets. 4,841,365, 6-20-89, Cl. 358-147.000.

Guentert, Josef: *See—*

Eckell, Wolfgang; Guentert, Josef; Haefele, Walter; Kraemer, Manfred; Kuhn, Uwe; and Warga, Johann, 4,840,161, Cl. 123-500.000.

Guenther, Dieter: *See—*

Bender, Albert; Guenther, Dieter; and Lingnau, Juergen, 4,869,983, Cl. 430-58.000.

Guenther, Heinz H.: *See—*

Alexson, Charles E.; and Guenther, Heinz H., 4,806,730, Cl. 219-121.690.

Alexson, Charles E.; and Guenther, Heinz H., 4,834,092, Cl. 128-303.00R.

Guenther, Horst; Foest, Wolfgang; and Eichardt, Klaus, to Jenoptik Jena GmbH. Apparatus for electrothermal atomization. 4,826,318, 5-2-89, Cl. 356-312.000.

Guenther, Jacob. Apparatus for suspending or securing objects. 4,870,718, 10-3-89, Cl. 17-44.100.

Guenther, John J., to Board of Regents Acting for and on Behalf of Oklahoma State University. Method of realigning fibers in manufacturing meat products. 4,810,514, 3-7-89, Cl. 426-513.000.

Guenther, Kenneth L.; Rabindran, Karavattuveetil G.; Faber, Thomas J.; and Abrams, Jack S., to Bell & Howell Company. Sheet feed hopper for insertion machine. 4,877,346, 10-31-89, Cl. 400-624.000.

Guenther, Michael; and Hufendiek, Ernst-Wilhelm, to Daimler-Benz Aktiengesellschaft. Filter arrangement. 4,863,599, 9-5-89, Cl. 210-248.000.

Guenther, Paul: *See—*

Jaafar, Hamedo A.; Katzor, Karl A.; Rethage, Wilbert B.; Pompa, Gerard A.; Dailey, George F.; and Guenther, Paul, 4,889,000, Cl. 73-865.800.

Guenther, Werner; and Schmitt, Heinrich, to Siemens Aktiengesellschaft. X-ray equipment support apparatus. 4,802,198, 1-31-89, Cl. 378-197.000.

Guenther, Werner; and Heubeck, Erich, to Siemens Aktiengesellschaft. X-ray equipment support apparatus. 4,807,272, 2-21-89, Cl. 378-196.000.

Guenther, Werner; Muether, Manfred; Heubeck, Erich; Doebert, Michael; and Werner, Leonhard, to Siemens Aktiengesellschaft. Dental x-ray diagnostics installation for producing panorama slice exposures of the jaw of a patient. 4,823,369, 4-18-89, Cl. 378-22.000.

Guenther, Werner; Heubeck, Erich; and Muether, Manfred, to Siemens Aktiengesellschaft. Apparatus for positioning the head of a patient for producing x-ray pictures. 4,831,645, 5-16-89, Cl. 378-205.000.

Guenther, Werner; Heubeck, Erich; and Muether, Manfred, to Siemens Aktiengesellschaft. Dental x-ray diagnostics installation for producing panoramic exposures of slices in the skull. 4,856,038, 8-8-89, Cl. 378-39.000.

Guenther, Werner: *See—*

Doebert, Michael; Guenther, Werner; Heubeck, Erich; Muether, Manfred; and Molitor, Dieter, 4,811,372, Cl. 378-39.000.

Pfeiffer, Joachim; Guenther, Werner; Muether, Manfred; and Heubeck, Erich, 4,878,234, Cl. 378-40.000.

Guenthner, Franz, to Schott Glaswerke. Apparatus for drawing glass tapes. 4,830,652, 5-16-89, Cl. 65-203.000.

Guentner, Andreas; Mayer, Udo; and Oberlinner, Andreas, to BASF Aktiengesellschaft. Carbazole containing benzopyrans. 4,841,050, 6-20-89, Cl. 544-150.000.

Guentner, Herwig, to Siemens Aktiengesellschaft. Digital tachometer with air gap adjusting yoke insertable through holes in the tachometer housing. 4,890,059, 12-26-89, Cl. 324-174.000.

Guerard, Norbert, to Champion Spark Plug Europe S.A. Wiper arm assembly for motor vehicles. 4,831,679, 5-23-89, Cl. 15-250.210.

Guerard, Norbert: *See—*

Beneteau, Christian; and Guerard, Norbert, 4,796,326, Cl. 15-250.420.

Guerbet S.A.: *See—*

Bonnemain, Bruno; Lautrou, Jean; and Meyer, Dominique, 4,877,600, Cl. 424-4.000.

Guerdoux, Lionel; and Hert, Marius, to Societe Chimique des Charbonnages S.A. Thermoplastic composition comprising a copolymer based on ethylene and maleic anhydride, and industrial articles obtained from such a composition. 4,868,052, 9-19-89, Cl. 428-336.000.

Gueremy, Claude; Maillard, Francoise; and Musch, Bruno, to Rhone-Poulenc Sante. Use of a compound for the treatment of schizophrenia. 4,882,345, 11-21-89, Cl. 514-367.000.

Guerendel, Philippe; Naville, Charles; Laurent, Jean; and Dedole, Pascal, to Institut Francais du Petrole; and Compagnie Generale de Geophysique. Device for receiving sound waves in a well. 4,874,060, 10-17-89, Cl. 181-102.000.

Gueret, Jean-Louis, to L'Oreal. Applicator unit for a liquid, pasty or pulverulent product. 4,796,647, 1-10-89, Cl. 132-320.000.

Gueret, Jean-Louis, to L'Oreal. Container comprising a neck and a cap which can be manipulated with only one hand. 4,807,786, 2-28-89, Cl. 222-499.000.

Gueret, Jean-Louis, to L'Oreal. Container means for separately storing at least two products to be brought into contact at the time of use. 4,844,251, 7-4-89, Cl. 206-222.000.

Gueret, Jean-Louis, to L'Oreal. Brush for the application of mascara to the eyelashes. 4,887,622, 12-19-89, Cl. 132-320.000.

Gueret, Jean-Louis, to L'Oreal. Container comprising a neck and a cap which can be manipulated with only one hand. 4,887,745, 12-19-89, Cl. 222-499.000.

Gueret, Jean-Louis, to L'Oreal. Single-use makeup set. 4,889,228, 12-26-89, Cl. 206-209.000.

Gueret, Jean Louis H., to L'Oreal. Device for applying a pasty product, in particular a cosmetic product such as lipstick and a tubular element for such a device. 4,812,066, 3-14-89, Cl. 401-78.000.

Gueret, Jean-Louis H., to "L'Oreal" . Applicator device for a liquid product, nail varnish in particular. 4,841,996, 6-27-89, Cl. 132-320.000.

Gueret, Jean-Louis H., to L'Oreal. Make-up reservoir applicator seal. 4,850,727, 7-25-89, Cl. 401-126.000.

Gueret, Jean-Louis H., to L'Oreal. Make-up applicator having a replaceable product cartridge. 4,884,912, 12-5-89, Cl. 401-78.000.

Guergen, Karl H. Multiple hull boat. 4,817,548, 4-4-89, Cl. 114-61.000.

Guerillot, Yves, to Societe Anonyme de Telecommunications. Method of transmitting digital streams over higher rate channels and a device for implementing same. 4,808,008, 2-28-89, Cl. 370-84.000.

Guerin, Bernard; Coateval, Gilbert; and Cojan, Yves, to Thomson-CSF. Optronic heading deviation measurement system providing spatial and spectral discrimination of infrared light sources. 4,849,620, 7-18-89, Cl. 250-203.00R.

Guerin, Francois, to Alcatel Thomson Faisceaux Hertziens. Method of synchronizing two binary trains. 4,827,490, 5-2-89, Cl. 375-111.000.

Guerin, Georges. Double panel assembly. 4,833,848, 5-30-89, Cl. 52-242.000.

Guerin, Roland: *See—*

Hilaire, Jean-Claude; and Guerin, Roland, 4,831,061, Cl. 521-56.000.

Guerini, Albert J.: *See—*

Thompson, Herbert E.; Rolph, Donald L.; Mercurio, Dominic; and Guerini, Albert J., 4,870,518, Cl. 360-97.010.

Guerinot, William F.: *See—*

McKechnie, Thomas S.; Goldenberg, Jill F.; Eskin, Joshua D.; Shimizu, Jeffrey A.; Bradley, Ralph H., Jr.; and Guerinot, William F., 4,864,390, Cl. 358-60.000.

Rumbolt, Robin B.; Guerinot, William F.; and Dargis, Daniel J., 4,841,368, Cl. 358-194.100.

Gueritte-Voegelein, Francoise: *See—*

Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,814,470, Cl. 514-449.000.

Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,857,653, Cl. 549-511.000.

Guermonprez, Claude. Protection and/or decorative device for apertures in walls, windows and the like. 4,799,524, 1-24-89, Cl. 160-84.100.

Guern, Yves: *See—*

Auvert, Geoffroy; Georgel, Jean-Claude; and Guern, Yves, 4,825,034, Cl. 219-121.720.

Guerner, Herve: *See—*

Rouault, Gwenael; and Guerner, Herve, 4,849,367, Cl. 437-41.000.

Guerra, Diane R.; Kent, Michael J.; and Clements, Don A., to Alcon Laboratories, Inc. Device for storage, mixing, and dispensing of two different fluids. 4,865,189, 9-12-89, Cl. 206-221.000.

Guerra, Gerald T., to Lake Erie Welding & Fabricating, Inc. Exercising apparatus. 4,819,583, 4-11-89, Cl. 119-29.000.

Guerra, Gianfranco, to iGuzzini Illuminazione, S.p.A. Light shield-reflector for a lighting implement. 4,860,181, 8-22-89, Cl. 362-290.000.

Guerra, John M.: *See—*

Cronin, David V.; Guerra, John M.; Sullivan, Paul F.; Mokry, Patricia A.; Clark, Peter P.; and Cocco, Vincent L., 4,843,494, Cl. 360-77.030.

Guerra, Robert: *See—*

Clark, Bryan K.; and Guerra, Robert, 4,852,077, Cl. 369-284.000.

Guerra, Romeo E. Igniter for gas discharge pipe with a flame detection system. 4,850,856, 7-25-89, Cl. 431-202.000.

Guerrant, Richard L.; and Lima, Aldo M., to University of Virginia Alumni Patents Foundation. Use of phospholipase inhibitors in the treatment of *Clostridium difficile* diarrhea. 4,820,714, 4-11-89, Cl. 514-297.000.

Guerrera, Nunzio; and Cividino, Lorenzo, to Unisys Corporation. Pulse width modulation control circuit. 4,825,347, 4-25-89, Cl. 363-41.000.

Guerreri, Carl N., to Electronic Warfare Associates, Inc. Remote detonation of explosive charges. 4,884,506, 12-5-89, Cl. 102-200.000.

Guerrero, Hector N., to Combustion Engineering, Inc. Apparatus and method for sealing a tube joint. 4,826,217, 5-2-89, Cl. 285-158.000.

Guerrero, Raul. Warmer plate cover. 4,798,937, 1-17-89, Cl. 219-433.000.

Guerret, Patrick G.: *See—*

Platel, Alain Y.; Bourgery, Guy R.; and Guerret, Patrick G., 4,808,582, Cl. 514-212.000.

Guerriero, Jean R.; and Carbonara, Melinda M. Portable case for computer information storage materials. 4,838,709, 6-13-89, Cl. 383-18.000.

Guerriero, Renato; Meregalli, Letizia; and Vittadini, Italo, to Samim Societa Azionaria Minero-Metallurgica S.p.A. Process for the separation of indium from anidic solutions containing it. 4,806,249, 2-21-89, Cl. 210-638.000.

Guerriero, Renato; and Tangerini, Ilario, to Nuova Samim S.p.A. Composite material of Zn-Al alloy reinforced with silicon carbide powder. 4,861,679, 8-29-89, Cl. 428-614.000.

Guerro, Gerald J.; Henderson, William A., Jr.; and Singh, Balwant, to American Cyanamid Company. Hydroxamated polymers as additives for retarding the rate of set of hydraulic cement compositions. 4,810,296, 3-7-89, Cl. 106-90.000.

Guerty, Harold G., to United Technologies Corporation. Area controlled, thrust vectoring vane cascade. 4,828,173, 5-9-89, Cl. 239-1.000.

Guery, Alain, to U.S. Philips Corporation. Variable gain amplifier circuit and its use in an automatic gain control arrangement. 4,797,632, 1-10-89, Cl. 330-285.000.

Guesnet, Patrice; Kawamura, Tetsuchi; Savin, Gerard; Poncet, Sabine; and Castera, Charles, to Societe Nationale Elf Aquitaine (Production). Water-soluble additives having extreme pressure effect for aqueous functional fluids, functional fluids and concentrated aqueous compositions containing the additives. 4,880,552, 11-14-89, Cl. 252-34.000.

Guest, David H., to Hewlett-Packard Company. Daisy-chain bus system with truncation circuitry for failsoft bypass of defective sub-bus subsystem. 4,852,043, 7-25-89, Cl. 364-900.000.

Guest, John D. Tube couplings. 4,804,213, 2-14-89, Cl. 285-308.000.

Guest, John D. Bodies which use couplings. 4,867,484, 9-19-89, Cl. 285-174.000.

Guest, John H.; and Crain, Lewis E., to Vermont Castings, Inc. Ash pan assembly for wood burning stove. 4,858,536, 8-22-89, Cl. 110-166.000.

Guest, Philip Q., Jr.: *See—*

Wand, Thomas J.; Gaubis, Philip A.; and Guest, Philip Q., Jr., 4,800,974, Cl. 180-79.100.

Guest, Robert L., to Edward Weck Incorporated. Spiral multi-lumen catheter. 4,795,439, 1-3-89, Cl. 604-43.000.

Guest, Weldon S.: *See—*

Weiss, Paul I.; and Guest, Weldon S., 4,828,543, Cl. 604-4.000.

Guesten, Hans: *See—*

Rinke, Monika; and Guesten, Hans, 4,853,937, Cl. 372-53.000.

Guetard, Denise: *See—*

Montagnier, Luc; Guetard, Denise; Brun-Vezinet, Francoise; and Clavel, Francois, 4,839,288, Cl. 435-235.000.

Guetle, Norbert J., Jr.; and Spencer, Daniel J., to Pease Industries, Inc. Residential door manufacture and installation. 4,882,877, 11-28-89, Cl. 49-506.000.

(Gueugnon) Chaniot, Catherine: *See—*

Valette, Pascale; and (Gueugnon) Chaniot, Catherine, 4,810,065, Cl. 350-355.000.

Gueuret, Francois C.: *See—*

Despax, Damien M.; Martin, Jean-Pierre A.; and Gueuret, Francois C., 4,800,753, Cl. 73-151.000.

Gueuret, Raymond: *See—*

Begout, Eric; Bourgeois, Alain; Gueuret, Raymond; and Lapeyre, Pascal, 4,825,218, Cl. 343-765.000.

Guevara, Emilio: *See—*

Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, Cl. 44-51.000.

Guevel, Jean; Francois, Marc; and Bontemps, Guy, to S. A. Schappe. Fibrous material resistant to the combined action of heat and pressure. 4,810,575, 3-7-89, Cl. 428-357.000.

Guevel, Jean; Francois, Marc; and Bontemps, Guy, to S. A. Schappe. Carbon fiber yarn. 4,825,635, 5-2-89, Cl. 57-315.000.

Guevel, Jean; Francois, Marc; and Bontemps, Guy, to Sa Schappe. Continuous multifilament sewing thread and process for making same. 4,840,021, 6-20-89, Cl. 57-210.000.

Guevel, Pierre; and Landel, Eric, to Principia Recherche Developpement S.A. Arrangement for generating waves in a body of water. 4,810,129, 3-7-89, Cl. 405-79.000.

Guevremont, Roger: *See—*

de Silva, K. Nimalasiri; and Guevremont, Roger, 4,836,039, Cl. 73-864.810.

Guez, Moshe, to Avner, Inc. Photographic aid apparatus for photographing a uniformly illuminated object. 4,827,291, 5-2-89, Cl. 354-125.000.

Guez, Moshe. Method and apparatus for placing indicia on cinematic film. 4,854,696, 8-8-89, Cl. 352-90.000.

Guezou, Jean-Pierre; Heid, Gilles; Bailleux, Pierre; and Pruvost, Marc, to Etat Francais; and Office National d'Etudes et de Recherches Aerospatiales. Cross flow fan. 4,836,743, 6-6-89, Cl. 415-53.100.

Guezou, Jean-Pierre R.; Lambati, Bertrand; Balquet, Robert; and Machabert, Michel, to Etat Francais. Propulsion and lift system for speed boats with submerged foil. 4,862,820, 9-5-89, Cl. 114-278.000.

Guffee, Larry E.: *See—*

Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.

Guffey, Timothy B.; Abe, Susan S.; Talkington, Sherry R.; and Mijac, Marko D., to Procter & Gamble Company, The. Shortening compositions containing polyol polyesters. 4,880,657, 11-14-89, Cl. 426-601.000.

Guffey, Timothy B.: *See—*

Mijac, Marko D.; and Guffey, Timothy B., 4,835,001, Cl. 426-556.000.

Guffond, Didier: *See—*

Deom, Alain; Garnier, Jean-Claude; and Guffond, Didier, 4,833,660, Cl. 367-157.000.

Gugel, Bernd, to Mannesmann AG. Preventing armature rebounding in matrix print heads. 4,822,187, 4-18-89, Cl. 400-124.000.

Gugel, Richard K.: *See—*

Morrall, Robin A. A.; Turkington, T. K.; Gugel, Richard K.; and Rude, Sheldon V., 4,837,146, Cl. 435-34.000.

Gugerell, Ernst: *See—*

Kanzler, Josef; Noisser, Alois; Bachtrod, Gerald; and Gugerell, Ernst, 4,811,174, Cl. 362-61.000.

Guggenberger, Erich: *See—*

Hoden, Ebbe; and Guggenberger, Erich, 4,831,713, Cl. 29-564.300.

Guggenheim, Thomas L.; and Guiles, Joseph W., to General Electric Company. Spirobiindane bis-aminophenoxy ethers. 4,808,754, 2-28-89, Cl. 564-428.000.

Guggenheim, Thomas L.; and McCormick, Sharon J., to General Electric Company. Spiro(bis)indane bis(carboxyphenyl ethers) and derivatives thereof. 4,814,496, 3-21-89, Cl. 562-466.000.

Guggenheim, Thomas L.; McCormick, Sharon J.; Colley, Alice M.; and Guiles, Joseph W., to General Electric Company. Spiro(bis) indane copolyamide and preparation thereof. 4,868,279, 9-19-89, Cl. 528-324.000.

Guggenheim, Thomas L.; and Guiles, Joseph W., to General Electric Company. Cyclic polyphenylene ether-polycarbonate oligomers. 4,880,899, 11-14-89, Cl. 528-370.000.

Guggenheim, Thomas L.: *See—*

Cella, James A.; and Guggenheim, Thomas L., 4,837,298, Cl. 528-352.000.

Guggi, Markus; and Gervais, Fernand, to Ciba-Geigy AG. Room-light load cassette. 4,830,305, 5-16-89, Cl. 242-71.700.

Guginsky, Frank, to Berger Industries, Inc. Strain relief liquid tight electrical connector. 4,835,342, 5-30-89, Cl. 174-65.0SS.

Guglielmetti, Leonardo; Meyer, Hans R.; Reinehr, Dieter; and Weber, Kurt, to Ciba-Geigy Corporation. Mixtures of fluorescent whitening agents. 4,867,906, 9-19-89, Cl. 252-301.220.

Guglielmo, Giorgio; Gregorio, Guglielmo; and Calini, Pierangelo, to Ausimont S.p.A. Process for the preparation of perhalohydrocarbon hypochlorites. 4,801,741, 1-31-89, Cl. 560-300.000.

Guglielmo, Giorgio; Conte, Lino; and Carlini, Filippo M., to Ausimont S.p.A. Process for the preparation of fluoroxy-halo-compounds. 4,827,024, 5-2-89, Cl. 560-300.000.

Guglielmo, Giorgio: *See—*

Gregorio, Guglielmo; Calini, Pierangelo; and Guglielmo, Giorgio, 4,816,599, Cl. 560-300.000.

Marraccini, Antonio; Guglielmo, Giorgio; Malacrida, Alessandro; and Roberti, Lamberto, 4,801,409, Cl. 260-543.00F.

Guglielmo, Mario: *See—*

Conte, Garibaldi; Guglielmo, Mario; and Oliveri, Fabrizio, 4,807,298, Cl. 582-56.000.

Gugumus, Francois, to Ciba-Geigy Corporation. Synergistic mixture of stabilizers. 4,863,981, 9-5-89, Cl. 524-97.000.

Gugumus, Francois: *See—*

Cantatore, Erfinders G.; and Gugumus, Francois, 4,816,507, Cl. 524-100.000.

Guha, Shekhar: *See—*

Frazier, Claude C.; Guha, Shekhar; and Chen, Wenpeng, 4,879,479, Cl. 307-425.000.

Guha, Subhendu; Yang, Chi-Chung; and Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Thin film solar cell including a spatially modulated intrinsic layer. 4,816,082, 3-28-89, Cl. 136-249.000.

Guhl, Paul J.; and Brown, Albert P., to Crompton & Knowles Corporation. Internal finned heater-cooler for an extruder barrel. 4,828,020, 5-9-89, Cl. 165-64.000.

- Guhne, Gieland: *See—*
  - Ahlf, Heinz-Jurgen; Guhne, Gieland; and Eckhart, Manfred, 4,885,013, Cl. 55-367.000.
- Guhne, Wieland: *See—*
  - Ahlf, Heinz-Jurgen; Jager, Jurgen; Wulf, Peter; Guhne, Wieland; and Eckart, Manfred, 4,851,019, Cl. 55-367.000.
  - Hannemann, Peter; Kemker, Uwe; Birr, Hans-Joachim; and Guhne, Wieland, 4,846,426, Cl. 248-360.000.
- Guhring Automation GmbH & Co.: *See—*
  - Muller, Hans, 4,833,764, Cl. 29-40.000.
- Guichard, Jacques; and Eude, Gerard. Process for coding by transformation for the transmission of picture signals. 4,796,087, 1-3-89, Cl. 358-136.000.
- Guichard, Jacques; and Cassimatis, Eric. Circuit for the fast calculation of the direct or inverse cosine transform of a discrete signal. 4,841,464, 6-20-89, Cl. 364-725.000.
- Guichard, Jacques; and Eude, Gerard. Sound and image transmission system. 4,887,158, 12-12-89, Cl. 358-143.000.
- Guichard, Jean; and Favre, Christian, to Messier-Hispano-Bugatti. Hydraulic braking circuit for an aircraft. 4,834,465, 5-30-89, Cl. 303-15.000.
- Guichelaar, Philip J.: *See—*
  - Seider, Robert J.; Guichelaar, Philip J.; and Anderson, Robert O., 4,810,368, Cl. 209-2.000.
- Guida, Allan A., to General Electric Company. System for adaptively generating signal in alternate formats as for an EDTV system. 4,866,509, 9-12-89, Cl. 358-12.000.
- Guidat, Thierry: *See—*
  - Lechelle, Alain; Guidat, Thierry; and Bruckert, Serge, 4,839,978, Cl. 42-65.000.
- Guidish, Thomas M.: *See—*
  - De Buyl, Marc H.; and Guidish, Thomas M., 4,817,062, Cl. 367-73.000.
- Guido, Heinz, to Man Gutehoffnungschutte GmbH. Metallurgical vessel. 4,843,614, 6-27-89, Cl. 373-72.000.
- Guido, Jurgen; and Binzer, Norbert, to Guido, Jurgen. Fuel injection line with compression nipple formed thereon by upsetting and process for the production thereof. 4,881,763, 11-21-89, Cl. 285-382.000.
- Guido, Michael R.; and Davison, Ellison L., to Mine Safety Appliances Company. System for metering of breathing gas for accommodation of breathing demand. 4,827,964, 5-9-89, Cl. 137-81.100.
- Guidoux, Loic B. Y., to Telecommunications Radioelectriques Et Telephoniques T.R.T. Arrangement for cancelling a composite echo signal. 4,862,450, 8-29-89, Cl. 370-32.100.
- Guidoux, Loic B. Y., to Telecommunications Radioelectriques et Telephoniques T.R.T. Echo canceler having simplified calculation circuits. 4,885,737, 12-5-89, Cl. 370-32.100.
- Guiducci, Mariano: *See—*
  - Murugesan, Natesan; and Guiducci, Mariano, 4,855,480, Cl. 560-29.000.
- Guier, William H.: *See—*
  - Makofski, Robert A.; Massey, Joe T.; Mark, F. Fausten; Weiskopf, Francis B., Jr.; Guier, William H.; Walsh, Patrick C.; and Marshall, Fray F., 4,821,729, Cl. 128-660.030.
- Guieze, Paul B.; and Varotsis, Nikos, to Schlumberger Technology Corporation. Method and apparatus for chromatographic analysis, in particular of petroleum liquids. 4,864,843, 9-12-89, Cl. 73-23.100.
- Guigan, Franck: *See—*
  - Guigan, Jean; and Guigan, Franck, 4,846,367, Cl. 221-81.000.
- Guigan, Jean. Method of performing medical analyses, and a conditioning strip and apparatus for performing the method. 4,812,411, 3-14-89, Cl. 435-293.000.
- Guigan, Jean; and Guigan, Franck. Device for storing and dispensing objects. 4,846,367, 7-11-89, Cl. 221-81.000.
- Guigan, Jean. Device for dispensing a predetermined quantity of a liquid. 4,874,114, 10-17-89, Cl. 222-168.000.
- Guigan, Jean. Method of performing medical analysis on a liquid sample using at least one dry reagent, and apparatus for the method. 4,876,203, 10-24-89, Cl. 436-45.000.
- Guignard, Alvin. Brick tie. 4,843,776, 7-4-89, Cl. 52-714.000.
- Guignard, Claude; Giglio, Tony; and Benmiloud, Abdelkader. Thermoformable orthopedic bandage and use thereof. 4,821,708, 4-18-89, Cl. 128-82.100.
- Guignard, Claude: *See—*
  - Gancet, Christian; Guignard, Claude; and Fourmentraux, Philippe, 4,855,233, Cl. 435-135.000.
- Guignon, Ernest F.: *See—*
  - Chao, Yong-Sheng; Fernandez, Salvador M.; and Guignon, Ernest F., 4,855,930, Cl. 364-497.000.
- Guigon, Pierre F.: *See—*
  - Large, Jean-Francois; and Guigon, Pierre F., 4,796,691, Cl. 165-104.160.
- Guigou, Bernard: *See—*
  - Bouillette, Thierry; Olivier, Denis; and Guigou, Bernard, 4,853,245, Cl. 426-575.000.
- Guilbault, Roger E.; and Gilbert, Chuck, to Martin, Timothy J.; and Cline, Russell C. Apparatus and method for retrieving fish caught while ice fishing. 4,866,872, 9-19-89, Cl. 43-4.000.
- Guild Associates, Inc.: *See—*
  - DiNovo, Salvatore T.; Schlaechter, John; and Brown, Roy S., 4,850,199, Cl. 62-114.000.
- Guild, Ralph K. Weapon safety alarm. 4,829,692, 5-16-89, Cl. 42-1.010.
- Guile, Roy N.; and Peschke, William T., to United Technologies Corporation. Piloting igniter for supersonic combustor. 4,821,512, 4-18-89, Cl. 60-270.100.
- Guiler, Richard S., to E. J. Brooks Company. Padlock-type security seal having a locking insert fixed in a hollow body and method of making same. 4,832,387, 5-23-89, Cl. 292-320.000.
- Guiles, Joseph W.: *See—*
  - Guggenheim, Thomas L.; and Guiles, Joseph W., 4,808,754, Cl. 564-428.000.
  - Guggenheim, Thomas L.; McCormick, Sharon J.; Colley, Alice M.; and Guiles, Joseph W., 4,868,279, Cl. 528-324.000.
  - Guggenheim, Thomas L.; and Guiles, Joseph W., 4,880,899, Cl. 528-370.000.
- Guilford Mills, Inc.: *See—*
  - Spillane, Robert T.; Wyrick, Charles A.; Scheller, Holger; and Duval, Paul A., 4,881,383, Cl. 66-194.000.
- Guilfoyle, Peter S.; and Wiley, W. Jackson, to Opticomp Corporation. Combinatorial logic-based optical computing method and apparatus. 4,864,524, 9-5-89, Cl. 364-713.000.
- Guilhem, Michel, to Dow Chemical Company, The. Combined membrane and sorption process for selective ion removal. 4,806,244, 2-21-89, Cl. 210-638.000.
- Guilino, Gunther; and Pfeiffer, Herbert, to Optische Werke G. Rodenstock. Uniform strength ophthalmic lens having a gradient refractive index changing rotation-symmetrically about the optical axis and method of making it. 4,856,889, 8-15-89, Cl. 351-159.000.
- Guillaume, Jacques: *See—*
  - Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, 4,808,609, Cl. 514-415.000.
  - Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, 4,853,408, Cl. 514-415.000.
- Guillaume, Michel. Method for quantitatively determining the shape of small size protruding patterns. 4,835,402, 5-30-89, Cl. 250-560.000.
- Guillemet, Alain; Teillaud, Eric; Reginault, Philippe; and Bevan, Bruno, to Laboratoires D'Hygiene et de Dietetique. Self-adhesive device for the percutaneous administration of an active ingredient. 4,837,025, 6-6-89, Cl. 424-448.000.
- Guillemet, Alain; Teillaud, Eric; and Reginault, Philippe, to Laboratories d'Hygiene et de Dietetique. Self-adhesive device for the percutaneous administration of an active ingredient. 4,842,864, 6-27-89, Cl. 424-448.000.
- Guillemette, Robert: *See—*
  - Hallal, Alfred J.; Arsenault, John; and Guillemette, Robert, 4,868,040, Cl. 428-251.000.
- Guillen, Patricia S.: *See—*
  - Guillen, Richard H.; and Guillen, Patricia S., 4,856,661, Cl. 211-100.000.
- Guillen, Richard H.; and Guillen, Patricia S. Retractable clothes hanger. 4,856,661, 8-15-89, Cl. 211-100.000.
- Guillet, James E.; Treurnicht, Ilse; and Li, Ruey S., to Ecoplastics Limited. Production of photodegradable polyester plastics. 4,883,857, 11-28-89, Cl. 528-272.000.
- Guillet, Jean-Gerard: *See—*
  - Strosberg, Arthur D.; and Guillet, Jean-Gerard, 4,859,595, Cl. 435-172.200.
- Guillet, R.: *See—*
  - Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, 4,835,457, Cl. 324-71.400.
- Guillet, Roger: *See—*
  - Rioux, Christian; Guillet, Roger; Lucidarme, Jean; Roche, Jean; and Pouillange, Jean, 4,864,169, Cl. 310-12.000.
- Guillevic, Gildas J. M.: *See—*
  - Goepfert, Serge P. P.; and Guillevic, Gildas J. M., 4,865,668, Cl. 156-74.000.
- Guillon, Jean C.: *See—*
  - Geiger, Erich; Guillon, Jean C.; and Rufray, Jean C., 4,868,656, Cl. 358-140.000.
- Guillonneau, Claude: *See—*
  - Regnier, Gilbert; Guillonneau, Claude; Duhault, Jacques; and Lonchampt, Michel, 4,824,836, Cl. 514-278.000.
- Guillory, Jack P.: *See—*
  - Eastman, Alan D.; Guillory, Jack P.; Cook, Charles F.; and Kimble, James B., 4,835,127, Cl. 502-213.000.
- Guillory, John L.: *See—*
  - Goldbach, Gary O.; Cooper, Jerry L.; and Guillory, John L., 4,843,981, Cl. 110-347.000.
- Guillot, Christian: *See—*
  - Schneider, Michel; Guillot, Christian; and Lamy, Bernard, 4,824,578, Cl. 210-674.000.
- Guillot, Fernand: *See—*
  - Besne, Michel; and Guillot, Fernand, 4,818,221, Cl. 432-99.000.
- Guillot, Gerard: *See—*
  - Naud, Claude; Guillot, Gerard; Deveaud, Benoit; and Clerjaud, Bernard, 4,821,274, Cl. 372-43.000.
- Guillot, Pierre, to Motorola, Inc. Non-volatile memory system. 4,882,711, 11-21-89, Cl. 365-229.000.
- Guillot, Walter K.; and Brinkman, Robert D., to Guillot, Walter K.; and Thibodeaux, L. J., a part interest. Color bar and audio signal generator. 4,879,590, 11-7-89, Cl. 358-10.000.
- Guilloteau, Rene , to Societe Generale pour les Techniques. Device for making a sealed connection. 4,836,581, 6-6-89, Cl. 285-31.000.
- Guillou, Bernard P. V.; and Lahitte, Pierre V. A., to Aerospatiale Societe Nationale Industrielle. System for connecting elements operating at ultrahigh frequency, incorporating a joint. 4,850,903, 7-25-89, Cl. 439-784.000.

- Guillou, Bernard P. Y.; and Lahitte, Pierre V. A., to Aerospatiale Societe Nationale Industrielle. Device for connecting together two ultra-high frequency structures which are coaxial and of different diameters. 4,853,656, 8-1-89, Cl. 333-34.000.
- Guillou, Bernard P. Y.; and Lahitte, Pierre V. A., to Aerospatiale Societe Nationale Industrielle. Waveguide structure for estimating the electromagnetic characteristics of a dielectric or magnetic material. 4,866,369, 9-12-89, Cl. 324-58.00B.
- Guillou, Claude L., to Etablissement Public de Diffusion dit Telediffusion de France. Electronic payment process using a smart card. 4,864,110, 9-5-89, Cl. 235-380.000.
- Guillou, Louis: *See—*
  - Murray, Bruce; Guillou, Louis; and Coutrot, Francoise M. R., 4,797,919, Cl. 380-20.000.
  - Ugon, Michel; and Guillou, Louis, 4,807,288, Cl. 380-30.000.
- Guilloux, Jean-Yvon: *See—*
  - Rivoallan, Loic; and Guilloux, Jean-Yvon, 4,802,729, Cl. 350-96.210.
- Guilluy, Roger: *See—*
  - Hall, Keith; Freedman, Philip A.; Jumeau, Elizabeth J.; Guilluy, Roger; and Pachiaudi, Christiane, 4,866,270, Cl. 250-282.000.
- Guimbretiere, Pierre L., to Glaenzer Spicer. Differential transmission device in particular for a motor vehicle. 4,836,051, 6-6-89, Cl. 74-711.000.
- Guimont, Patricia A. Cushioned container. 4,871,069, 10-3-89, Cl. 206-545.000.
- Guinamard, Dominique: *See—*
  - Pourchon, Andre; and Guinamard, Dominique, 4,886,290, Cl. 280-704.000.
- Guinard Oil Services: *See—*
  - Guinard, Paul, 4,810,393, Cl. 210-712.000.
- Guinard, Paul, to Guinard Oil Services. Process for the separation of the constituents of a suspension. 4,810,393, 3-7-89, Cl. 210-712.000.
- Guindon, Yvan; Yoakim, Christiane; Gillard, John W.; and Girard, Yves, to Merck Frosst Canada, Inc. Tetrahydrocarbazole 1-alkanoic acids, pharmaceutical compositions and use. 4,808,608, 2-28-89, Cl. 514-411.000.
- Guindon, Yvan; Yoakim, Christiane; and Morton, Howard E., to Merck & Co., Inc. Process for the preparation of HMG-CoA reductase inhibitors and intermediate compounds employed therein. 4,855,481, 8-8-89, Cl. 560-55.000.
- Guindon, Yvan; Girard, Yves; Lau, Cheuk K.; Fortin, Rejean; Rokach, Joshua; and Yoakim, Christiane, to Merck Frosst Canada, Inc. Benzo[a]phenothiazines and hydro-derivatives for inhibiting leukotriene biosynthesis. 4,876,246, 10-24-89, Cl. 514-80.000.
- Guindon, Yvan: *See—*
  - Adams, Julian; and Guindon, Yvan, 4,800,228, Cl. 549-470.000.
  - Atkinson, Joseph G.; Guindon, Yvan; and Lau, Cheuk K., 4,822,803, Cl. 514-320.000.
  - Belanger, Patrice; Fortin, Rejean; Guindon, Yvan; Yoakim, Christiane; and Rokach, Joshua, 4,820,867, Cl. 562-478.000.
  - Fortin, Rejean; Lau, Cheuk K.; Guindon, Yvan; Rokach, Joshua; and Yoakim, Christiane, 4,845,083, Cl. 514-80.000.
  - Lau, Cheuk K.; Yoakim, Christiane; Rokach, Joshua; Fortin, Rejean; and Guindon, Yvan, 4,859,667, Cl. 514-224.500.
- Guinea, Jesus; and Wong, Hee, to National Semiconductor Corporation. Quotient phase-shift processor for digital phase-locked-loops. 4,862,485, 8-29-89, Cl. 375-120.000.
- Guinea, Jesus: *See—*
  - Wong, Hee; and Guinea, Jesus, 4,888,790, Cl. 375-20.000.
- Guinet, Jannick; Hubert, Jean-Claude; and Martial, Marie-Francoise, to La Telemecanique Electrique. Method for bonding a copper sheet to a substrate made of an electrically insulating material. 4,860,939, 8-29-89, Cl. 228-122.000.
- Guinn, Perry W.; Mills, Gary N.; Bedient, Robert A.; and Greeley, Martin O., to C. D. Medical, Inc. Bioreactor apparatus. 4,889,812, 12-26-89, Cl. 435-289.000.
- Guinn, Rex A.: *See—*
  - Boehm, Russell W.; Guinn, Rex A.; and Koerner, Hans J., 4,861,534, Cl. 264-102.000.
- Guinn, Ronald K., to Hesston Corporation. Flywheel sickle drive mechanism. 4,813,296, 3-21-89, Cl. 74-595.000.
- Guinn, Ronald K.; and Case, Cecil L., to Hay & Forage Industries. Harvesting header having timed double sickle toothed belt drive. 4,815,265, 3-28-89, Cl. 56-297.000.
- Guinon, Walter J.: *See—*
  - Van Broekhoven, Paul; and Guinon, Walter J., 4,890,055, Cl. 324-77.00B.
- Guinter, S. R., to Newell Co. Universal display bracket. 4,874,148, 10-17-89, Cl. 248-225.200.
- Guiol, Eric, to W. L. Gore & Associates, Inc. Electro-magnetic shielding. 4,871,883, 10-3-89, Cl. 174-36.000.
- Guion, Christian: *See—*
  - Berthon, Patrick; and Guion, Christian, 4,876,540, Cl. 340-932.200.
- Guire, Patrick E.; and Chudzik, Stephen J., to Bio-Metric Systems, Inc. Field assay for ligands. 4,826,759, 5-2-89, Cl. 435-4.000.
- Guirr, Ortburg: *See—*
  - Schumann, Klaus; Guirr, Ortburg; Schulz, Paul; and Foerg, Franz, 4,797,231, Cl. 252-547.000.
  - Wisotzki, Klaus-Dieter; Guirr, Ortburg; Jeschke, Peter; Schumann, Klaus; Schmid, Karl-Heinz; and Biermann, Manfred, 4,839,098, Cl. 252-557.000.
- Guisinger, Barrett E.; and Busby, Bruce E., to Sony Corporation. Method and system for recording asynchronous biphase encoded data on a video tape recorder and for recovering the encoded recorded data. 4,868,686, 9-19-89, Cl. 360-8.000.
- Guisinger, Barrett E.: *See—*
  - Shields, Michael B.; and Guisinger, Barrett E., 4,816,723, Cl. 318-318.000.
- Guistina, Robert A.: *See—*
  - Bugner, Douglas E.; Alexandrovich, Peter S.; De Mejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,806,284, Cl. 260-501.150.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,812,378, Cl. 430-110.000.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,812,381, Cl. 430-110.000.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,834,920, Cl. 260-501.150.
  - Bugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; Guistina, Robert A.; and Anderson, James H., 4,840,864, Cl. 430-110.000.
  - Eugner, Douglas E.; Alexandrovich, Peter S.; DeMejo, Lawrence P.; and Guistina, Robert A., 4,834,921, Cl. 260-501.150.
- Guitay, Louis P. Apparatus for massaging the human body. 4,883,047, 11-28-89, Cl. 128-38.000.
- Guitian, Jose: *See—*
  - Kretschmar, Klaus; Merz, Ludwig; Niemann, Klaus; Guitian, Jose; Krasuk, Julio; and Marruffo, Franzo, 4,851,107, Cl. 208-108.000.
- Guittard, George V.; Wong, Patrick S. L.; Theeuwes, Felix; and Cortese, Richard, to Alza Corporation. Dosage form for delivering diltiazem. 4,859,470, 8-22-89, Cl. 424-473.000.
- Guittard, George V.: *See—*
  - Hamel, Larry G.; Landrau, Felix A.; Guittard, George V.; and Wong, Patrick S. L., 4,801,461, Cl. 424-467.000.
  - Magruder, Paul R.; Wong, Patrick S.; Theeuwes, Felix; and Guittard, George V., 4,867,969, Cl 424-78.000.
- Guity-Mehr, Hossein F., to Texim International. Adjustable magnetic door latch system. 4,822,085, 4-18-89, Cl. 292-251.500.
- Guity-Mehr, Hossein F., to Texim International. Wall electrical cover plate. 4,873,396, 10-10-89, Cl. 174-66.000.
- Guiver, Harold C.: *See—*
  - Wagner, Edward A.; and Guiver, Harold C., 4,876,225, Cl. 437-248.000.
- Guiver, Michael D.; ApSimon, John W.; and Kutowy, Oleh, to National Research Council of Canada. Preparation of substituted polysulfones through ortho-metalated intermediates. 4,797,457, 1-10-89, Cl. 525-534.000.
- Guiver, Michael D.; ApSimon, John W.; and Kutowy, Oleh, to Canada, National Research Council of. Preparation of substituted polysulfones by metalation. 4,833,219, 5-23-89, Cl. 525-534.000.
- Gukkenberger, Horst; Eberle, Karl; and Kopnick, Klaus J. Method of connecting a magnetic head core with a mounting plate. 4,821,404, 4-18-89, Cl. 29-603.000.
- Gukkenberger, Horst; Eberle, Karl; and Kopnick, Klaus J. Method of securing a video magnetic head. 4,821,405, 4-18-89, Cl. 29-603.000.
- Gukkenberger, Horst; and Eberle, Karl, to U.S. Philips Corporation. Method of manufacturing a magnetic head. 4,854,035, 8-8-89, Cl. 29-603.000.
- Gula, James L.; and Schneider, Daniel E., to Texas Instruments Incorporated. Computer bus deadlock prevention. 4,868,741, 9-19-89, Cl. 364-200.000.
- Gula, Lance; and McKee, Jere L., to Westinghouse Electric Corp. Cam roll pin assembly. 4,887,057, 12-12-89, Cl. 335-190.000.
- Gulacsy, Robert: *See—*
  - Boros, Gyorgy; Gulacsy, Robert; Laszlo, Gyorgy; and Narancsik, Pal, 4,795,125, Cl. 249-78.000.
- Gulbenkian, Paul. Method and apparatus for cellular construction structure. 4,884,918, 12-5-89, Cl. 405-202.000.
- Gulbins, Erich; McKee, Graham E.; and Ley, Gregor, to BASF Aktiengesellschaft. Aqueous binder dispersions for the preparation of paints and finishes. 4,808,655, 2-28-89, Cl. 524-504.000.
- Gulbrandsen, Richard, to Polaroid Corporation. Flexible disk cassette. 4,814,926, 3-21-89, Cl. 360-133.000.
- Gulczynski, Zdzislaw. Switching power supply. 4,803,610, 2-7-89, Cl. 363-70.000.
- Gulczynski, Zdzislaw. Digital-to-analog converter. 4,811,017, 3-7-89, Cl. 341-145.000.
- Gulczynski, Zdzislaw. High speed instrumentation amplifier with minimized offset voltage and drift. 4,829,263, 5-9-89, Cl. 330-9.000.
- Gulczynski, Zdzislaw. Digital-to-analog converter. 4,837,572, 6-6-89, Cl. 341-150.000.
- Gulczynski, Zdzislaw. Digital-to-analog converter with digital correction. 4,843,392, 6-27-89, Cl. 341-145.000.
- Gulczynski, Zdzislaw. Switching circuits performing thyristor and triac functions. 4,845,391, 7-4-89, Cl. 307-631.000.
- Gulczynski, Zdzislaw. Synchronous switching power supply with flyback converter. 4,853,837, 8-1-89, Cl. 363-80.000.
- Gulczynski, Zdzislaw. Dual flash analog-to-digital converter. 4,857,931, 8-15-89, Cl. 341-156.000.
- Gulczynski, Zdzislaw. Analog power amplifier. 4,866,398, 9-12-89, Cl. 330-263.000.
- Gulczynski, Zdzislaw. High efficiency power amplifier comprising multilevel power supply. 4,871,980, 10-3-89, Cl. 330-295.000.
- Guldager, Hans. Insole. 4,802,289, 2-7-89, Cl. 36-43.000.
- Gulde, Peter; and Scholz, Christian, to Siemens Aktiengesellschaft. Method for structuring a copper and/or permalloy layer by means of dry etching. 4,838,994, 6-13-89, Cl. 156-643.000.

- Guldner, Ralf; Lasberg, Ingo; Wittmann, Kurt; and Kindleben, Gerd, to Alkem GmbH. Container, in particular for a radioactive substance. 4,836,975, 6-6-89, Cl. 376-272.000.
- Guler, Michael G.; Patel, Sharadchandra D.; Conn, James K.; and Foster, Marcus L., to Harris Corp. Offset shaped antenna reflector. 4,797,685, 1-10-89, Cl. 343-912.000.
- Gulett, Michael R.: *See—*
  - Maheras, George; Hayworth, Hubert O.; and Gulett, Michael R., 4,859,573, Cl. 430-326.000.
- Gulf Canada Resources Limited: *See—*
  - Corti, Aldo; and Falcon, John A., 4,812,225, Cl. 208-13.000.
  - Corti, Aldo; and Falcon, John A., 4,828,688, Cl. 208-391.000.
  - Winkel, Gordon R.; and Lamb, David K., 4,863,009, Cl. 198-505.000.
- Gulf Coast Performance Chemical, Inc.: *See—*
  - Bucher, Bradley A.; Jefferies, Jesse H.; and Templet, Harold P., 4,867,944, Cl. 422-15.000.
- Gulf Nuclear, Inc.: *See—*
  - Acree, Elick H., 4,799,552, Cl. 166-305.100.
- Gulf States Paper Corporation: *See—*
  - Hanko, Jimmy J.; and Brom, Lawrence V., 4,836,364, Cl. 206-45.140.
  - Northrup, David; and Hanko, Jimmy J., 4,860,886, Cl. 206-45.290.
- Gulick, Dale E., to Advanced Micro Devices, Inc. Dual-port timing controller. 4,809,269, 2-28-89, Cl. 370-94.000.
- Gulick, Dale E.; Lawell, Terry G.; and Crowe, Charles, to Advanced Micro Devices, Inc. Packet-at-a-time reporting in a data link controller. 4,852,088, 7-25-89, Cl. 370-94.000.
- Gulick, Dale E.: *See—*
  - Miller, Merle L.; and Gulick, Dale E., 4,860,285, Cl. 370-100.000.
- Gulino, Roy. Carpet finishing tool. 4,797,963, 1-17-89, Cl. 7-103.000.
- Gulistan, Bulent. Locking fastener for pivotal tool. 4,843,927, 7-4-89, Cl. 81-416.000.
- Gulkenkian, Aylin H.: *See—*
  - Renga, James M.; Bon, Charles K.; Gulkenkian, Aylin H.; and Smith, Michael G., 4,845,267, Cl. 560-160.000.
- Gulker, Stanley: *See—*
  - Gulker, Stuart P.; and Gulker, Stanley, 4,886,388, Cl. 401-148.000.
- Gulker, Stuart P.; and Gulker, Stanley. Cleanser dispensing sponge system. 4,886,388, 12-12-89, Cl. 401-148.000.
- Gulko, George M.: *See—*
  - Martin, Michael C.; McCracken, Beth E.; and Gulko, George M., 4,876,987, Cl. 122-504.200.
- Gull Inc.: *See—*
  - Orloff, Eugene F.; Horowitz, Martin; and Rittner, Charles H., 4,872,120, Cl. 364-509.000.
- Gull, Peter: *See—*
  - Dobring, Wilfried; and Gull, Peter, 4,822,189, Cl. 400-208.000.
- Gulla, Michael; Foust, Donald F.; and Philipose, George K., to Shipley Company Inc. Electroplating process. 4,810,333, 3-7-89, Cl. 204-15.000.
- Gulla, Michael; Benjamin, Terrell A.; and Farsi, Mark, to Shipley Company Inc. Radiation attenuation shielding. 4,869,970, 9-26-89, Cl. 428-621.000.
- Gullberg, Grant T.; and Crawford, Carl R., to General Electric Company. Method and means of correcting for a shift in the center of rotation of a rotating fan beam CT system. 4,812,983, 3-14-89, Cl. 364-413.170.
- Gullbins, Erich; McKee, Graham E.; and Ley, Gregor, to BASF Aktiengesellschaft. Aqueous binder dispersions for the preparation of paints & finishes. 4,840,990, 6-20-89, Cl. 524-504.000.
- Gulley, John Q., to Vinylex Corporation. Spike for lawn edging or the like. 4,846,655, 7-11-89, Cl. 411-453.000.
- Gulley, Travis; Nelson, Oscar L.; and Nelson, James R. Trotline device. 4,827,659, 5-9-89, Cl. 43-57.300.
- Gullichsen, Johan; and Hynninen, Pertti, to Kamyr AB. Method of removing lignin from bleach plant effluents. 4,812,207, 3-14-89, Cl. 162-29.000.
- Gullichsen, Johan, to Kamyr AB. Medium consistency pump with self-feeding. 4,826,398, 5-2-89, Cl. 415-143.000.
- Gullichsen, Johan; and Hynninen, Pertti, to A. Ahlstrom Corporation. Method of removing macromolecular organic dissolved and colloidal material from wood processing industry effluents. 4,842,688, 6-27-89, Cl. 162-29.000.
- Gullichsen, Johan, to A. Ahlstrom Corporation. Method and apparatus for pumping fibre suspensions. 4,854,819, 8-8-89, Cl. 415-143.000.
- Gullick Dobson Limited: *See—*
  - Park, Roy, 4,797,023, Cl. 405-291.000.
  - Ward, Richard, 4,799,510, Cl. 137-596.150.
- Gullickson, Zan, to Keho Alta Industries Ltd. Reciprocating implement. 4,877,090, 10-31-89, Cl. 172-102.000.
- Gullicksrud, John T.: *See—*
  - Corfits, William D.; Gullicksrud, John T.; Martin, Bradley L.; McCutcheon, Robert W.; Rasmussen, Jerry R.; Westphal, Gordon W.; and Wheeler, Stephen E., 4,853,830, Cl. 361-391.000.
- Gullixson, Bruce B.: *See—*
  - Lathom, Michael S.; Gullixson, Bruce B.; and Sweat, Bruce P., 4,808,886, Cl. 315-227.00R.
- Gullstrand, Knut S. R.: *See—*
  - Weidmo, Thomas; Edlund, Lars G. E.; Gullstrand, Knut S. R.; Malmgren, Carl H. J.; and Eskilsson, Erik B., 4,817,339, Cl. 51-165.710.
- Gully, John H.: *See—*
  - Weldon, William F.; Gully, John H.; and Pichot, Mark A., 4,800,311, Cl. 310-178.000.
  - Weldon, William F.; Gully, John H.; and Pichot, Mark A., 4,858,304, Cl. 29-598.000.
  - Zowarka, Raymond C.; Weeks, Damon A.; Weldon, William F.; Gully, John H.; Upshaw, Jim L.; Spann, Mike L.; and Peterson, Dennis R., 4,884,489, Cl. 89-8.000.
- Gulmatico, Ramon, Jr. Automatic system for dissolving dry detergent. 4,830,509, 5-16-89, Cl. 366-153.000.
- Gulton Industries, Inc., Femco Division: *See—*
  - Cox, Edwin G.; and Ritter, David T., 4,847,888, Cl. 379-64.000.
- Gulya, Thomas G.; Schultz, Gary V.; and Staiger, Kenneth G., to Appleton Mills. Papermaker's felt incorporating a closed cell polymeric foam layer. 4,830,905, 5-16-89, Cl. 428-234.000.
- Gulya, Thomas G.; Schultz, Gary V.; and Arnold, Ronald A., to Appleton Mills. Method for extracting water from a paper web in a papermaking machine using a ceramic foam member. 4,888,095, 12-19-89, Cl. 162-202.000.
- Gum, Charles E.: *See—*
  - Raycher, Robert J.; Cangro, Ronald A.; Gum, Charles E.; Macinskas, Dean P.; and Williams, Francis J., 4,804,811, Cl. 219-98.000.
- Gum Jr., Ernest: *See—*
  - Boniello, Barbara; Gum Jr., Ernest; Scarpellino, Richard; Dooman, Barbara; Patterson, John; and Bertkau, Geoffrey, 4,867,992, Cl. 426-45.000.
- Gum, Mary L., to Union Carbide Corporation. Water-in-volatile silicone emulsifier concentrates, water-in-volatile silicone emulsions that are useful in personal-care formulations and methods of making same. 4,801,447, 1-31-89, Cl. 424-68.000.
- Gum, Peter H.: *See—*
  - Bean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.; Scanlon, John F.; and Wyman, Leslie W., 4,843,541, Cl. 364-200.000.
- Gumbinger, Dieter H.: *See—*
  - Trager, Heiner; Kleemann, Karl-Heinz; Reifferscheid, Karl J.; and Gumbinger, Dieter H., 4,867,227, Cl. 164-59.100.
- Gumbrecht, Walter; Schelter, Wolfgang; Montag, Bernhard; and Hobel, Peter, to Siemens Aktiengesellschaft. Apparatus and method for the examination of a liquid medium. 4,841,974, 6-27-89, Cl. 128-635.000.
- Gumbrecht, Walter: *See—*
  - Kimmel, Heinrich; Montag, Bernhard; and Gumbrecht, Walter, 4,863,694, Cl. 422-86.000.
- Gumbs, Curtis M. Electronic switching system for controlling indoor and outdoor lights. 4,797,568, 1-10-89, Cl. 307-141.000.
- Guming, You: *See—*
  - Chuangtian, Chen; Yicheng, Wu; Aidong, Jiang; Bochang, Wu; and Guming, You, 4,826,283, Cl. 350-96.120.
- Gumm, Jack R., Jr.: *See—*
  - Ward, William E.; and Gumm, Jack R., Jr., 4,849,913, Cl. 364-468.000.
- Gummesson, Bengt-Ake G.: *See—*
  - Orndal, Carl-Henry; Gummesson, Bengt-Ake G.; and Ericson, Bjorn-Inge, 4,797,655, Cl. 340-521.000.
- Gummiwerke Kraiburg Elastik Beteiligungs GmbH & Co.: *See—*
  - Schmidt, Peter, 4,860,952, Cl. 238-8.000.
- Gumplinger, Franz: *See—*
  - Graczoll, Peter; Gumplinger, Franz; Peuke, Helmut; and Riedel, Gerd, 4,801,068, Cl. 228-174.000.
- Gumprecht, William H.; Manzer, Leo E.; and Rao, V. N. Mallikarjuna, to Du Pont de Nemours, E. I., and Company. Process for the manufacture of 1,1,1-trifluorodichloroethane and 1,1,1,2-tetrafluorochloroethane. 4,843,181, 6-27-89, Cl. 570-169.000.
- Gumprecht, William H., to Du Pont de Nemours, E. I., and Company. Liquid phase halogen exchange process for the manufacture of 1,1,1,2-tetrafluoroethane. 4,851,595, 7-25-89, Cl. 570-170.000.
- Gunasekera, Sarath P.; Cross, Sue S.; Kashman, Yoel; Lui, May S.; Rinehart, Kenneth L.; and Tsujii, Shinji, to Harbor Branch Oceanographic Institution, Inc. Topsentin compounds effective against viruses and certain tumors. 4,866,084, 9-12-89, Cl. 514-397.000.
- Gunawardana, Y. A.: *See—*
  - Komoto, Shigeo; and Gunawardana, Y. A., 4,868,191, Cl. 514-280.000.
- Gunawardena, D. R.: *See—*
  - Tullis, Barclay J.; Bailey, John S.; Gunawardena, D. R.; and Kempf, Ulrich, 4,875,825, Cl. 414-786.000.
- Gunchin, Elmer R.: *See—*
  - Anderson, Thomas T.; Roop, Conard J.; Schmidt, Kenneth J.; and Gunchin, Elmer R., 4,829,828, Cl. 73-728.000.
- Gunda, Rajamouli, to Vickers, Incorporated. Control system for injection molding machine. 4,798,527, 1-17-89, Cl. 425-145.000.
- Gunda, Rajamouli: *See—*
  - Edwards, Thomas L.; El-Ibiary, Yehia M.; Gunda, Rajamouli; Leemhuis, Richard S.; Phillips, Fred H.; and Rode, Melvin A., 4,811,561, Cl. 60-368.000.
- Gundel, Wolf-Dieter: *See—*
  - Fingerle, Dieter; and Gundel, Wolf-Dieter, 4,840,154, Cl. 12 193.00H.
- Gundersen, Martin A. Optically triggered back-lighted thyratron network. 4,890,040, 12-26-89, Cl. 315-155.000.
- Gunderson, Charles; and Kapadya, Aftab H., to CalComp Inc. Pen turret control system. 4,885,701, 12-5-89, Cl. 364-520.000.
- Gunderson, Charles F. Unitary-panel boat hull construction. [illegible] 8-29-89, Cl. 114-358.000.
- Gunderson, Harald, to Alfsen & Gunderson A/S. Fixation device. 4,871,425, 10-3-89, Cl. 162-290.000.

- Gunderson, Inc.: *See—*
  - Rains, Marvin G., 4,805,743, Cl. 188-47.000.
- Gunderson, Jon R. Electric cord lock. 4,832,618, 5-23-89, Cl. 439-369.000.
- Gunderson, Richard H., to Exxon Production Research Company. Method and apparatus for tensioning the tethers of a tension leg platform. 4,881,852, 11-21-89, Cl. 405-224.000.
- Gundert, John H.: *See—*
  - Widmer, Steven L.; Schrage, Robin J.; White, Jeffery L.; and Gundert, John H., 4,845,945, Cl. 60-310.000.
- Gundisch, Gusztav: *See—*
  - Tatai, Llona; Gundisch, Gusztav; Palotas, Laszlo; and Subotics, Gyula, 4,852,713, Cl. 198-337.000.
- Gundjian, Arshavir, to Nocopi International Inc. Anti-photocopying paper and/or anti-telefacsimile paper. 4,867,481, 9-19-89, Cl. 283-91.000.
- Gundlach, Hans-Werner; and Jacob, Friedrich, to Bego Bremer Goldschagerei Wilh. Herbst GmbH & Co. Method for controlling the melting and casting process in precision casting, particularly for dental engineering, and arrangement for carrying out the method. 4,796,688, 1-10-89, Cl. 164-457.000.
- Gundlach, Larry C.: *See—*
  - Lippincott, Howard C.; Quickert, Stephen C.; and Gundlach, Larry C., 4,820,536, Cl. 426-412.000.
- Gundlach, Robert W.; and Bergen, Richard F., to Xerox Corporation. Self-cleaning scorotron with focused ion beam. 4,841,146, 6-20-89, Cl. 250-324.000.
- Gundlach, Robert W.: *See—*
  - Tam, Man C.; Gundlach, Robert W.; and Pundsack, Arnold L., 4,880,715, Cl. 430-41.000.
- Gundlach, Theodore F., to T. J. Gundlach Machine Company. Segmental shell for a coal crusher roll. 4,807,820, 2-28-89, Cl. 241-294.000.
- Gunesin, Binnur Z.; Murray, James G.; Schwab, Frederick C.; and Gustafson, Ronald J., to Mobil Oil Corporation. Multi-stage anionic dispersion homopolymerization to form microparticles with narrow size distribution. 4,829,135, 5-9-89, Cl. 526-173.000.
- Gunesin, Binnur Z.; Pindris, Paul A.; and Schwab, Frederick C., to Mobil Oil Corporation. High impact, highly transparent linear styrene-diene block copolymers with five or more blocks and their preparations by anionic dispersion polymerization. 4,871,814, 10-3-89, Cl. 525-314.000.
- Gunia, Ewald: *See—*
  - Ziemek, Gerhard; Staschewski, Harry; and Gunia, Ewald, 4,811,888, Cl. 228-148.000.
- Gunji, Keiichiro: *See—*
  - Namiki, Kou; Mukumoto, Takaji; and Gunji, Keiichiro, 4,841,632, Cl. 29-787.000.
  - Yamanaga, Junichi; Gunji, Keiichiro; Narita, Yousuke; Nagasawa, Toshiaki; and Kawabata, Yoshifumi, 4,794,690, Cl. 29-709.000.
- Gunji, Kenichi: *See—*
  - Kanamaru, Hisanobu; and Gunji, Kenichi, 4,884,952, Cl. 417-222.000.
- Gunji, Kunihiko: *See—*
  - Ohkita, Masao; Kobayashi, Kazuo; Gunji, Kunihiko; Sugawara, Tadami; Shigenai, Osamu; and Fuke, Takamichi, 4,796,118, Cl. 360-105.000.
- Gunji, Minoru: *See—*
  - Kataoka, Hajime; and Gunji, Minoru, 4,815,989, Cl. 439-426.000.
- Gunji, Yasuhiro; Okada, Sadayuki; Isogai, Masato; Kondo, Katsumi; Ibamoto, Masahiko; Kuwabara, Kazuhiro; and Kanke, Atsushi, to Hitachi, Ltd. Optical change-over switch utilizing ferroelectric liquid crystal material. 4,836,657, 6-6-89, Cl. 350-350.00S.
- Gunjian, Armen G., to Brushtech, Inc. Cleaning brush. 4,819,291, 4-11-89, Cl. 15-104.200.
- Gunjima, Tomoki; Kumai, Hiroshi; Akatsuka, Minoru; and Tsuchiya, Shoichi, to Asahi Glass Company Ltd. Liquid crystal optical device using U.V.-cured polymer dispersions and process for its production. 4,818,070, 4-4-89, Cl. 350-334.000.
- Gunjima, Tomoki; Kumai, Hiroshi; Tsuchiya, Shoichi; and Masuda, Kaoriko, to Asahi Glass Company Ltd. Liquid crystal optical device and process for its production and method for its operation. 4,834,509, 5-30-89, Cl. 350-347.00V.
- Gunkel, Werner; and Krauss, Helmuth, to Merck Patent Gesellschaft mit Beschrankter Haftung. Test strips. 4,837,373, 6-6-89, Cl. 422-56.000.
- Gunkinger, Siegfried, to Zinser Textilmaschinen GmbH. Method and apparatus for replacing empty sliver cans with full sliver cans in a draw frame. 4,875,256, 10-24-89, Cl. 19-159.00A.
- Gunlock, Theodore. Liquid seed applicator. 4,809,913, 3-7-89, Cl. 239-317.000.
- Gunn, Bradley: *See—*
  - Ross, Randall I.; and Gunn, Bradley, 4,866,344, Cl. 315-3.500.
- Gunn, Bradley R., to Varian Associates, Inc. High voltage DC power supply. 4,821,165, 4-11-89, Cl. 363-60.000.
- Gunn, Bruce P.: *See—*
  - Summers, James B., Jr.; Gunn, Bruce P.; and Brooks, Dee W., 4,873,259, Cl. 514-443.000.
- Gunn, Dennis R. String anchoring and trimming device. 4,872,388, 10-10-89, Cl. 84-297.00R.
- Gunn, Donald M.: *See—*
  - Stark, William; Hughes, Nigel; and Gunn, Donald M., 4,824,948, Cl. 540-125.000.
- Gunn, Erwin T.; Bigler, John M.; and Hamill, Patrick J., to Boeing Company, The. Baggage and cargo container. 4,799,600, 1-24-89, Cl. 220-1.500.
- Gunn, Erwin T., to Boeing Company, The. Apparatus for unloading containers. 4,802,810, 2-7-89, Cl. 414-414.000.
- Gunn, Gordon W. Handle for a septic system drain hose. 4,838,315, 6-13-89, Cl. 137-899.300.
- Gunn, Jeffrey W.: *See—*
  - Brewer, Andrew J.; Gunn, Jeffrey W.; and Hagan, James P., 4,834,266, Cl. 222-147.000.
- Gunnarsson, Sven-Eric, to Asea AB. Arrangement for distributing a cable assemblage between two mutually rotatable component parts. 4,812,132, 3-14-89, Cl. 439-164.000.
- Gunnels, William F.; Willis, Candler A.; and Osteen, Mitchell M., to General Electric Company. Method of making a coil assembly. 4,835,841, 6-6-89, Cl. 29-605.000.
- Gunner, Colin; and Boero, Paolo, to Societa' Cavi Pirelli S.p.A. Method of interconnecting optical fiber cables and connector therefor. 4,807,958, 2-28-89, Cl. 350-96.210.
- Gunners, Nils-Erik: *See—*
  - Andersson, Kurt G.; Gunners, Nils-Erik; and Nilsson, Yngve L., 4,807,532, Cl. 102-490.000.
- Gunnewig, Hubert; and Wrede, Ulrich, to Westfalia Separator AG. Method of driving a centrifuge and device for carrying out the method. 4,805,659, 2-21-89, Cl. 137-118.000.
- Gunny, Edmond R. Communications system. 4,870,425, 9-26-89, Cl. 342-455.000.
- Gunson's Sortex Limited: *See—*
  - Illy, Ernesto; and Maughan, William S., 4,807,762, Cl. 209-580.000.
- Gunst, Wilfried E. D.: *See—*
  - Carnewal, Jose A. C. L.; Gunst, Wilfried E. D.; Hollevoet, Willy C.; and Jonckheere, Marc R. M., 4,863,415, Cl. 460-101.000.
- Gunter, Charles E., to North American Philips Corporation. Surface mounted electronic device with selectively solderable leads. 4,814,947, 3-21-89, Cl. 361-540.000.
- Gunter, Eberle, to Andreas Hettich, Firma. Angular cap for centrifuges. 4,801,290, 1-31-89, Cl. 494-16.000.
- Gunter, Friedhelm: *See—*
  - Krebs, Rolf; Welsing, Otto; Retzlaff, Friedhelm; Gunter, Friedhelm; Wahl, Hans-Jurgen; Gerber, Manfred; and Gross, Heinz, 4,827,099, Cl. 219-121.630.
- Gunter Horst Rohm: *See—*
  - Rohm, Gunter H.; and Pesch, Karl, 4,877,259, Cl. 279-123.000.
- Gunter, John B.: *See—*
  - Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.
- Gunter, Jonas L.: *See—*
  - Rush, James B.; Bryan, James S.; Gunter, Jonas L.; Dillard, Guy W.; Meadows, Roger D.; and Henry, Pearison W., 4,887,851, Cl. 285-158.000.
- Gunter, Willard C. Adjustable vehicle counterweight device with cylinder positioning means. 4,861,069, 8-29-89, Cl. 280-758.000.
- Guntermann, Johannes; and Macrae, Donald R., to Elektro-Thermit GmbH. Process for welding a railway rail, aluminothermic heating blocks for use in the process, and method of making said aluminothermic heating blocks. 4,830,611, 5-16-89, Cl. 432-225.000.
- Guntert, Josef; and Warga, Johann, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,811,716, 3-14-89, Cl. 123-503.000.
- Guntert, Josef; Hafele, Walter; and Warga, Johann, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,830,587, 5-16-89, Cl. 417-499.000.
- Guntert, Josef; Hafele, Walter; and Warga, Johann, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,850,822, 7-25-89, Cl. 417-499.000.
- Guntert, Josef; Hafele, Walter; and Kramer, Manfred, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,850,823, 7-25-89, Cl. 417-499.000.
- Gunther, Andreas: *See—*
  - Gallenkamp, Bernd; Gunther, Andreas; Mohrmann, Karl-Heinrich; and Schmidt, Thomas, 4,874,860, Cl. 544-221.000.
- Gunther, Bernd-Rainer, to A. Nattermann & Cie GmbH. Process for isolating phosphatidylcholine free of lysophosphatidylcholine from egg powder. 4,857,236, 8-15-89, Cl. 260-403.000.
- Gunther, Christoph-Georg, to BBC Brown, Boveri & Company, Limited. Generator for generating binary ciphering sequences. 4,817,145, 3-28-89, Cl. 380-47.000.
- Gunther, Daniel: *See—*
  - Viaud, Jean; and Gunther, Daniel, 4,798,044, Cl. 56-341.000.
- Gunther, Ewald: *See—*
  - Zweigart, Gerhard; Belke, Werner; Gunther, Ewald; and Gantzhorn, Walter, 4,842,328, Cl. 296-214.000.
- Gunther, Klaus; and Mau, Gunter, to Hoechst Aktiengesellschaft. Acetylketene dialkyl acetals and a process for their preparation. 4,825,008, 4-25-89, Cl. 568-391.000.
- Gunther, Larry J. Method and apparatus for indicating sample collection times during well drilling. 4,860,836, 8-29-89, Cl. 175-44.000.
- Gunther, Michael: *See—*
  - Engelbrecht, Jurgen; von Wallis, Helmut; and Gunther, Michael, 4,806,381, Cl. 427-2.000.
- Gunther, Michael D.: *See—*
  - Zamora, Antonio; Gunther, Michael D.; and Zamora, Elena M., 4,887,212, Cl. 364-419.000.
- Gunther, Werner: *See—*
  - Heubeck, Erich; Gunther, Werner; Muther, Manfred; and Werner, Leonhard, 4,813,060, Cl. 378-39.000.

Gunther, Wolfgang H. H.; Leone, Ronald E.; and Przyklek, Rosemary, to Eastman Kodak Company. Oxatellurazolium and oxatellurazinium compounds. 4,831,136, 5-16-89, Cl. 544-1.000.

Gunther, Wolfgang H. H.; Leone, Ronald E.; and Przyklek, Rosemary, to Eastman Kodak Company. Photographically useful chalcogenazoles, chalcogenazolines, and chalcogenazolinium and chalcogenazolium salts. 4,874,866, 10-17-89, Cl. 548-100.000.

Gunther, Wolfgang H. H.; and Sauter, Frederick J., to Eastman Kodak Company. Novel selenium-containing merocyanine dyes. 4,885,366, 12-5-89, Cl. 544-300.000.

Gunther, Wolfgang H. H.: *See—*

Lok, Roger; Gunther, Wolfgang H. H.; and Freeman, John P., 4,861,703, Cl. 430-608.000.

Guntheroth, Kurt, to John Fluke Mfg. Co., Inc. Method of and apparatus for diagnosing failures in read only memory systems and the like. 4,876,684, 10-24-89, Cl. 371-21.200.

Gunthner, Franz, to Schott Glaswerke. Methods for the batchwise production of glass. 4,820,329, 4-11-89, Cl. 65-134.000.

Gunthner, Franz, to Schott Glaswerke. Method and oven for ceramising glass plates. 4,851,022, 7-25-89, Cl. 65-33.000.

Guntli, Erich: *See—*

Beerli, Markus; and Guntli, Erich, 4,819,310, Cl. 28-185.000.

Guntly, Leon: *See—*

Hughes, Gregory G.; Costello, Norman F.; and Guntly, Leon, 4,829,780, Cl. 62-288.000.

Guntly, Thomas G.; Federspiel, Mark E.; and Kurth, Michael J., to Tecumseh Products Company. Method of making a carburetor. 4,864,705, 9-12-89, Cl. 29-156.40R.

Gunton, David J., to British Gas plc. Broadband microstrip antenna. 4,809,008, 2-28-89, Cl. 343-700.0MS.

Gunton, David J.; and Manning, Lucy J., to British Gas plc. Method and apparatus for combining waveforms. 4,812,850, 3-14-89, Cl. 342-22.000.

Gunturi, Sarma S.: *See—*

Dolins, Steven B.; Srivastava, Aditya; Flinchbaugh, Bruce E.; Gunturi, Sarma S.; Lassiter, Thomas W.; and Love, Robert L., 4,846,928, Cl. 156-626.000.

Gunze Co., Ltd.,: *See—*

Ikada, Yoshito; Gen, Shokyu; Kawai, Tatsuya; and Matsuda, Takashi, 4,844,067, Cl. 128-335.500.

Gunze Kabushiki Kaisha: *See—*

Abe, Takehiro; and Onoyama, Yugo, 4,834,826, Cl. 156-344.000.

Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tatsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, 4,861,409, Cl. 156-308.200.

Yamamoto, Takeshi; Kondo, Kunio; Yoshimura, Hiroshi; Wada, Yoshihiro; and Wada, Fusazo, 4,876,139, Cl. 428-200.000.

Gunze Limited: *See—*

Itaya, Hisao; Okada, Toshihiko; Hata, Morishige; Koike, Shunji; and Onishi, Takahiro, 4,853,776, Cl. 358-106.000.

Niwa, Katuhiro; Abe, Nobuyasu; Kajikiyo, Katuji; Suzuoki, Tsutomu; Tabuti, Katumi; and Arii, Yoshifumi, 4,872,383, Cl. 83-175.000.

Okada, Toshihiko; Yagi, Toshifumi; and Suzuki, Satoshi, 4,879,886, Cl. 66-151.000.

Gunzler, Volkmar: *See—*

Teetz, Volker; Henke, Stephan; Brocks, Dietrich; Hanauske-Abel, Hartmut; and Gunzler, Volkmar, 4,797,471, Cl. 514-18.000.

Guo, Luke S. S.; Redmann, Carl T.; and Radhakrishnan, Ramachandran, to Liposome Technology, Inc. Ophthalmic liposomes. 4,804,539, 2-14-89, Cl. 424-450.000.

Guo, Luke S. S., to Liposome Technology, Inc. Liposome composition for treating dry eye. 4,818,537, 4-4-89, Cl. 424-427.000.

Guo, Luke S. S.; Redemann, Carl T.; Radhakrishnan, Ramachandran; and Yau-Young, Annie, to Liposome Technology, Inc. Liposomes with enhanced retention on mucosal tissue. 4,839,175, 6-13-89, Cl. 424-450.000.

Guo, Mow-Ho: *See—*

Shu, Chi-Yao, 4,856,296, Cl. 62-430.000.

Guo, Ta-Pen R.: *See—*

El Gamal, Abbas A.; El-Ayat, Khaled A.; Greene, Jonathan W.; Guo, Ta-Pen R.; and Reyneri, Justin M., 4,873,459, Cl. 307-465.000.

Guo, Yuh-Kuen; and Song, Feng-Mei. Electromechanical massage apparatus. 4,834,075, 5-30-89, Cl. 128-49.000.

Guomundsson, Edgar; and Asmundsson, Oli J. Structural panel. 4,888,933, 12-26-89, Cl. 52-779.000.

Guppy, David J.: *See—*

Simms, Graham J.; and Guppy, David J., 4,839,903, Cl. 372-94.000.

Gupta, Ajay K.: *See—*

Thow, Ian; and Gupta, Ajay K., 4,883,043, Cl. 126-512.000.

Gupta, Amitava, to Ioptex Research, Inc. Method of forming single-piece intraocular lens and core member and lens formed thereby. 4,813,956, 3-21-89, Cl. 623-6.000.

Gupta, Amitava, to Ioptex Research, Inc. Deformable-elastic intraocular lens. 4,834,750, 5-30-89, Cl. 623-6.000.

Gupta, Arunava; and Hussey, Brian W., to International Business Machines Corporation. Process control for laser wire bonding. 4,845,354, 7-4-89, Cl. 250-205.000.

Gupta, Arupratan: *See—*

Argade, Pramod V.; and Gupta, Arupratan, 4,806,801, Cl. 307-475.000.

Gupta, Ashis S.: *See—*

Burke, Robert W., II; Cahen, Albert J., Jr.; Credle, William S., Jr.; Gupta, Ashis S.; and Heenan, Richard H., 4,875,508, Cl. 141-2.000.

Rudick, Arthur G.; Heenan, Richard H.; and Gupta, Ashis S., 4,802,343, Cl. 62-294.000.

Gupta, Avinash K.: *See—*

Hanrahan, Robert J.; and Gupta, Avinash K., 4,799,357, Cl. 60-673.000.

Gupta, Bal K.; and Mader, David L. Bulge indicating method and device. 4,869,197, 9-26-89, Cl. 116-266.000.

Gupta, Balaram; and Kalyanaraman, Palaiyur, to Hoechst Celanese Corporation. Photoresist compositions based on acetoxystyrene copolymers. 4,824,758, 4-25-89, Cl. 430-197.000.

Gupta, Balaram, to Hoechst Celanese Corporation. Radiation curable copolymers of p-acetoxystyrene and dialkyl muconates. 4,826,890, 5-2-89, Cl. 522-114.000.

Gupta, Balaram, to Hoechst Celanese Corporation. Radiation curable copolymers of p-acetoxystyrene with allyl esters of ethylenically unsaturated acids or alkadienes. 4,826,891, 5-2-89, Cl. 522-114.000.

Gupta, Balaram, to Hoechst Celanese Corp. Selective hydrolysis of copolymers of para-acetoxy styrene and dialkyl muconates or alkyl sorbates. 4,857,601, 8-15-89, Cl. 525-344.000.

Gupta, Balaram, to Hoechst Celanese Corp. Polyanhydride process from bis(trimethylsilyl) ester of dicarboxylic acid. 4,868,265, 9-19-89, Cl. 528-26.000.

Gupta, Balaram; and Calundann, Gordon W., to Hoechst Celanese Corp. Polyanhydride from carboxy aryloxy alkanoic acid. 4,868,274, 9-19-89, Cl. 528-206.000.

Gupta, Balaram; and Kalyanaraman, Palaiyur, to Hoechst Celanese Corp. Photoresist compositions based on hydroxystyrene copolymers. 4,869,994, 9-26-89, Cl. 430-197.000.

Gupta, Balaram, to Hoechst Celanese Corporation. Selective hydrolysis of copolymers of para-acetoxy styrene and allyl esters of ethylenically unsaturated acids. 4,877,843, 10-31-89, Cl. 525-344.000.

Gupta, Balaram: *See—*

Sansone, Michael J.; Gupta, Balaram; and Stackman, Robert W., 4,814,399, Cl. 525-435.000.

Gupta, Bhagwati P., to Lord Corporation. Misalignment accommodating composite shaft. 4,863,416, 9-5-89, Cl. 464-181.000.

Gupta, Bharat B.: *See—*

Platt, Brian L.; and Gupta, Bharat B., 4,865,867, Cl. 426-603.000.

Gupta, Brij M., to Pacific Biomedical Holdings, Ltd. Bioprosthetic valve stent. 4,851,000, 7-25-89, Cl. 623-2.000.

Gupta, D. V. Satyanarayana: *See—*

Shortt, Alexandra B.; and Gupta, D. V. Satyanarayana, 4,867,911, Cl. 252-544.000.

Gupta, Dev V., to Integrated Network Corporation. Digital data service system. 4,862,480, 8-29-89, Cl. 375-37.000.

Gupta, Dev V., to Integrated Network Corporation. Equalizer for digital transmission systems. 4,887,278, 12-12-89, Cl. 375-7.000.

Gupta, Dinesh K.: *See—*

Olson, Walter E.; Gupta, Dinesh K.; and Milaniak, Michael S. 4,835,011, Cl. 427-253.000.

Gupta, Dipak, to Du Pont de Nemours, E. I., and Company. Radial tires containing polyamide monofilament. 4,850,412, 7-25-89, Cl. 152-556.000.

Gupta, Dipak, to Du Pont de Nemours, E. I., and Company. Composite tooling for composites manufacture. 4,851,280, 7-25-89, Cl. 428-246.000.

Gupta, Krishanu: *See—*

Bogen, Daniel; and Gupta, Krishanu, 4,877,035, Cl. 128-673.000.

Gupta, Omkarnath R.: *See—*

Herrell, Dennis J.; Gupta, Omkarnath R.; and Hilbert, Claude 4,833,766, Cl. 29-157.30A.

Herrell, Dennis J.; and Gupta, Omkarnath R., 4,871,316, Cl. 439-66.000.

Nelson, Richard D.; Gupta, Omkarnath R.; and Herrell, Dennis J., 4,882,654, Cl. 361-382.000.

Nelson, Richard D.; and Gupta, Omkarnath R., 4,884,630, Cl. 165-170.000.

Gupta, Satish; Lumelsky, Leon; Mansfield, Robert L.; Romero, Hector G., Jr.; Segre, Marc; Spencer, Alexander K.; St. Clair, Joe C.; and Wagoner, James D., to International Business Machines Corporation. High resolution graphics display adapter. 4,870,406, 9-26-89, Cl. 340-70.000.

Gupta, Subhash; Siduh, Sanjiv S.; and Vlach, Frank, to Texas Instruments Incorporated. Real-time scheduling system. 4,888,692, 12-19-89, Cl. 364-402.000.

Gupta, Suresh K.; and Pinder, John T., to Rolls-Royce, Inc. Method of explosively forming a multilayered composite material. 4,881,314, 11-21-89, Cl. 29-421.200.

Gupta, Victor R.: *See—*

Teller, Raymond G.; Ebner, Ann M.; Bodolus, Christopher; and Gupta, Victor R., 4,836,117, Cl. 110-342.000.

Gupta, Vijai P., to Arco Chemical Company. Tertiary butyl alcohol purification. 4,801,760, 1-31-89, Cl. 568-923.000.

Gupta, Y. M.; and Horn, Paul D., to Washington State University Research Foundation, Inc. Transducer and systems for high speed measurement of shock loads. 4,805,461, 2-21-89, Cl. 73-800.000.

Guptill, Richard P.: *See—*

Beaupre, Richard F.; Guptill, Richard P.; and Hilmar, Martin D., 4,808,309, Cl. 210-321.890.

Gupton, B. Franklin; Rea, James H.; and Mueller, Werner H., to Hoechst Celanese Corporation. Process for preparing pyridine carboxylic acid esters. 4,871,859, 10-3-89, Cl. 546-250.000.

Gur, Raquel E.: *See—*

Trivedi, Sushma S.; Gur, Raquel E.; and Gur, Ruben, 4,862,359, Cl. 364-413.050.

Gur, Ruben: *See—*

Trivedi, Sushma S.; Gur, Raquel E.; and Gur, Ruben, 4,862,359, Cl. 364-413.050.

Gurak, Nur R.; Thompson, Ronald J.; Russell, James P.; and Yarkovsky, Joseph M., to BASF Aktiengesellschaft. Process for manufacturing green and ceramic foam. 4,889,670, 12-26-89, Cl. 264-50.000.

Gurantz, Itzhak; and Wright, David A., to Comstream Corporation. Technique for mitigating rain fading in a satellite communications system using quadrature phase shift keying. 4,837,786, 6-6-89, Cl. 370-20.000.

Gurberg, Barry: *See—*

Dabby, Joseph; and Gurberg, Barry, 4,831,638, Cl. 377-6.000.

Gurcan, Mustafa; and Cruchon, Jean-Claude, to Alcatel Thomson Faisceaux Hertziens. E-plane type wide band composite filter. 4,800,349, 1-24-89, Cl. 333-208.000.

Gurcan, Mustafa; and Bernaud, Maurice, to Alcatel Thomson Faisceaux Hertziens. Tuneable microwave filter. 4,806,890, 2-21-89, Cl. 333-205.000.

Gurd, John R.; and Kawakami, Katsura. Data packet shortening method and device. 4,860,250, 8-22-89, Cl. 364-900.000.

Gurevich, Leon, to Cooper Industries, Inc. Metallo-organic film fractional ampere fuses and method of making. 4,873,506, 10-10-89, Cl. 337-290.000.

Gurevich, Mark S.: *See—*

Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F.; Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Alexandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov, Mikhail I.; and Seredkin, Vladimir P., 4,827,767, Cl. 73-253.000.

Gurit-Essex AG: *See—*

Braendle, Jurg G.; and Wolfgang, Saur, 4,879,853, Cl. 52-208.000.

Saur, Wolfgang K., 4,835,012, Cl. 427-266.000.

Guritz, Kenneth E.; and Guritz, Michael L. Tamper-resistant fluorescent tube assembly holder/adapter for lamps. 4,811,183, 3-7-89, Cl. 362-377.000.

Guritz, Michael L.: *See—*

Guritz, Kenneth E.; and Guritz, Michael L., 4,811,183, Cl. 362-377.000.

Gurley, Derrel G.: *See—*

Copeland, Claude T.; and Gurley, Derrel G., 4,850,430, Cl. 166-276.000.

Gurley, Gene S.: *See—*

Simpson, Willis D.; and Gurley, Gene S., 4,855,900, Cl. 364-200.000.

Gurley, John A.: *See—*

Elings, Virgil B.; and Gurley, John A., 4,871,938, Cl. 310-328.000.

Elings, Virgil B.; and Gurley, John A., 4,889,988, Cl. 250-306.000.

Gurley, William H.: *See—*

Utreja, Laipat R.; and Gurley, William H., 4,850,275, Cl. 102-293.000.

Gurnari, Lawrence: *See—*

Soriente, Alfonse J.; and Gurnari, Lawrence, 4,889,624, Cl. 210-232.000.

Gurnee, Mark N.; and White, William J., to Honeywell Inc. High density small element optical mosaic detector. 4,807,000, 2-21-89, Cl. 357-30.000.

Gurnee, Mark N., to Honeywell Inc. Multiplexer elements for photovoltaic detectors. 4,812,668, 3-14-89, Cl. 250-578.000.

Gurnee, Mark N., to Honeywell Inc. Detector array assembly having bonding means joining first and second surfaces except where detectors are disposed. 4,871,921, 10-3-89, Cl. 250-578.000.

Gurney, David W., to British Aerospace Public Limited Company. Clamping mechanisms. 4,827,828, 5-9-89, Cl. 89-1.816.

Guro, David E.; Bushinsky, Joseph P.; and Nicholas, David M., to Air Products and Chemicals, Inc. Purification of ammonia syngas. 4,846,851, 7-11-89, Cl. 55-26.000.

Gurol, Ismail M., to John Fluke Mfg. Co., Inc. Molded circuit board and manufacturing method therefor. 4,861,640, 8-29-89, Cl. 428-137.000.

Gurov, Vadim N.: *See—*

Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.

Gurries, Raymond A., to Resonant Technology Company. Resonantly driven earth moving blade. 4,821,808, 4-18-89, Cl. 172-40.000.

Gurs, Karl, to Rheinmetall GmbH. Gas transport laser. 4,835,784, 5-30-89, Cl. 372-58.000.

Gurske, William A.; Blessum, Cynthia R.; Cheng, Min-Lee; and Andrade, Mark S., to Beckman Instruments, Inc. High resolution electrophoretic gel and method for separating serum proteins. 4,857,163, 8-15-89, Cl. 204-299.00R.

Gurske, William A.: *See—*

Ulfelder, Kathi Jo; and Gurske, William A., 4,808,288, Cl. 204-182.800.

Gurstein, Bernard; and Gurstein, Russell S., to U.S. Products, Inc. Cleaning machine for carpet, upholstery and draperies. 4,803,466, 2-7-89, Cl. 340-603.000.

Gurstein, Russell S.: *See—*

Gurstein, Bernard; and Gurstein, Russell S., 4,803,466, Cl. 340-603.000.

Gurtler, Klaus: *See—*

Feist, Wieland; Gurtler, Klaus; and Schuler, Jost, 4,869,590, Cl. 356-148.000.

Gurtner, Bernard: *See—*

Drivon, Gilles; and Gurtner, Bernard, 4,806,684, Cl. 562-605.000.

Gurvitch, Michael; and Levy, Roland A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Semiconductor devices having superconducting interconnects. 4,837,609, 6-6-89, Cl. 357-71.000.

Gurzynski, Richard M.; and Nieman, Janice M., to Nieman Design Systems Inc. Display rack assembly. 4,815,611, 3-28-89, Cl. 211-88.000.

Gusakov, Ignaty, to Gaymar Industries, Inc. Pneumatic cushion. 4,860,397, 8-29-89, Cl. 5-455.000.

Guschin, Sergei G., deceased: *See—*

Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.

Guschina, Alevtina V., administrator: *See—*

Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.

Gusching, Nagle V., to Monarch Machine Tool Company, The. Offset indexable fixture. 4,827,801, 5-9-89, Cl. 74-813.00L.

Gusching, Nagle V., to Monarch Machine Tool Company, The. Spindle mechanism. 4,856,153, 8-15-89, Cl. 29-26.00A.

Guscott, John K.; Stelmack, Gerard G.; and Boulos, Charles A., to Aritech Corporation. Suppressed transient uniform detection sensitivity pir detector. 4,875,029, 10-17-89, Cl. 340-567.000.

Guscott, John K., to Aritech Corporation. Pressure sensitive security system for tracking motion over a surface. 4,888,581, 12-19-89, Cl. 340-666.000.

Guse, Gunter; Horstmann, Michael; and Erler, Axel, to Beiersdorf Aktiengesellschaft. Transdermal therapeutic system. 4,882,163, 11-21-89, Cl. 424-448.000.

Guse, Hans-Albrecht: *See—*

Budecker, Ludwig; David, Anton; Obersteiner, Georg; Zutt, Ulrich; and Guse, Hans-Albrecht, 4,807,945, Cl. 303-114.000.

Guse, Kuno: *See—*

Koppers, Manfred; Sebastian, Lothar; and Guse, Kuno, 4,843,886, Cl. 73-728.000.

Koppers, Manfred; Sebastian, Lotar; and Guse, Kuno, 4,887,935, Cl. 405-302.000.

Sebastian, Lothar; and Guse, Kuno, 4,806,017, Cl. 356-376.000.

Gushima, Akira: *See—*

Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.

Gusi, Stefano: *See—*

Giusti, Aldo; Gusi, Stefano; Bellussi. Giuseppe; and Fattore, Vittorio, 4,831,201, Cl. 585-531.000.

Giusti, Aldo; Gusi, Stefano; Bellussi, Giuseppe; and Fattore, Vittorio, 4,831,202, Cl. 585-533.000.

Guskov, Valery V.; Boikov, Vladimir P.; Moroz, Viktor A.; Kozachevsky, Gennady G.; and Gorodnichev, Jury N. Device for producing annular-shaped polymer articles. 4,848,720, 7-18-89, Cl. 249-178.000.

Guskov, Valery V.: *See—*

Kozachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; and Sizova, Svetlana I., 4,799,919, Cl. 474-205.000.

Kozachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; Sizova, Svetlana I.; Gorodnichev, Jury N.; and Nazarenko, Tamara P., 4,846,771, Cl. 474-268.000.

Guslits, Vladimir S., to Eastman Kodak Company. Mechanism for locating a flexible photoconductor relative to a plurality of development stations. 4,797,703, 1-10-89, Cl. 355-3.0DD.

Guslits, Vladimir S., to Eastman Kodak Company. Mechanism for locating a flexible photoconductor relative to a development station. 4,806,991, 2-21-89, Cl. 355-3.0DD.

Guslits, Vladimir S.; and Bailey, Steven P., to Eastman Kodak Company. Drive mechanism for a reproduction apparatus. 4,830,165, 5-16-89, Cl. 192-110.00R.

Guslits, Vladimir S.; and Bailey, Steven P., to Eastman Kodak Company. Drive mechanism for a reproduction apparatus. 4,840,259, 6-20-89, Cl. 192-48.200.

Guslits, Vladimir S.; and Weitzel, Richard A., to Eastman Kodak Company. Developer station for a reproduction apparatus. 4,878,089, 10-31-89, Cl. 355-253.000.

Gusman, Michael: *See—*

Krishnan, Gopala; Gusman, Michael; Johnson, Sylvia M.; Rowcliffe, David J.; and Nakano, Hajime, 4,886,652, Cl. 423-439.000.

- Guss, Patricia, executrix: *See—*
  - Chuman, Tatsuji; Guss, Paul L., deceased; Doolittle, Robert E., McLaughlin, John R.; and Tumlinson, James H., III, 4,871,537, Cl. 424-84.000.
- Guss, Paul L., deceased: *See—*
  - Chuman, Tatsuji; Guss, Paul L., deceased; Doolittle, Robert E.; McLaughlin, John R.; and Tumlinson, James H., III, 4,871,537, Cl. 424-84.000.
- Guss, Theodore; and Fu, Sing, to Continental Can Company, Inc. Pump and container assembly. 4,863,071, 9-5-89, Cl. 222-207.000.
- Gussert, David A.: *See—*
  - Alexander, Charles F., Jr.; and Gussert, David A., 4,832,630, Cl. 440-6.000.
- Gust, David C.: *See—*
  - Olson, Richard J.; and Gust, David C., 4,883,064, Cl. 128-696.000.
- Gust, Giselher R., to Hydro Data, Inc. Method and apparatus to generate precisely-defined wall shearing stresses. 4,884,892, 12-5-89, Cl. 366-136.000.
- Gust Swenson & Sons, Inc.: *See—*
  - Swenson, Kenneth C., 4,821,811, Cl. 172-248.000.
- Gustafson, Alan D.; and Unger, Richard F., to Thermo King Corporation. Protective grille and air flow straightener for transport refrigeration apparatus. 4,802,342, 2-7-89, Cl. 62-239.000.
- Gustafson, Bruce L.; Wehner, Paul S.; Nelson, Gregory O.; and Mercer, Patricia N., to Eastman Kodak Company. Low pressure catalytic hydrogenation of carbonyl-containing compounds. 4,837,367, 6-6-89, Cl. 568-831.000.
- Gustafson, Bruce L.; and Wehner, Paul S., to Eastman Kodak Company. Low pressure catalytic hydrogenation of carbonyl-containing compounds and supported catalysts therefor. 4,837,368, 6-6-89, Cl. 568-821.000.
- Gustafson, Bruce L.: *See—*
  - Lentz, Carl M.; Gustafson, Bruce L.; and Wehner, Paul S., 4,798,911, Cl. 568-747.000.
  - Lentz, Carl M.; Gustafson, Bruce L.; Van Sickle, Dale E.; and Bowers, Joseph S., Jr., 4,847,429, Cl. 268-643.000.
- Gustafson, Eric K.; Trebino, Rick; and Lee, John, to Yellowstone Diagnostics Corporation. Diffraction immunoassay apparatus and method. 4,876,208, 10-24-89, Cl. 436-531.000.
- Gustafson, Eric K.; Trebino, Rick; and Lee, John, to Yellowstone Diagnostics Corporation. Polysilicon binding assay support and methods. 4,886,761, 12-12-89, Cl. 436-518.000.
- Gustafson, Glenn H.: *See—*
  - Langas, Arthur; Ayres, Donald B.; and Gustafson, Glenn H., 4,829,643, Cl. 29-91.000.
- Gustafson, Harry: *See—*
  - Weber, Mark W.; and Gustafson, Harry, 4,817,112, Cl. 372-94.000.
- Gustafson, Olivia. Safety attachment purse hook. 4,881,672, 11-21-89, Cl. 224-264.000.
- Gustafson, Richard J., to Cummins Engine Company, Inc. Position controller for a rotatable shaft. 4,872,427, 10-10-89, Cl. 123-90.160.
- Gustafson, Ronald J.: *See—*
  - Gunesin, Binnur Z.; Murray, James G.; Schwab, Frederick C.; and Gustafson, Ronald J., 4,829,135, Cl. 526-173.000.
- Gustafson, Roy: *See—*
  - Leis, Michael; and Gustafson, Roy, 4,849,711, Cl. 330-279.000.
- Gustafson, Thomas L.; and Vaughan, Robert A., to Standard Products Company, The. Clamp-on glass molding. 4,813,733, 3-21-89, Cl. 296-93.000.
- Gustafson, Todd D.: *See—*
  - Bennett, Richmond; Schettler, Paul D.; and Gustafson, Todd D., 4,805,450, Cl. 73-155.000.
- Gustafson, Walter F.: *See—*
  - Schaefer, Robert P.; Gustafson, Walter F.; Rutz, David A.; and Taylor, Kenneth E., 4,851,188, Cl. 419-19.000.
- Gustafson, William L.: *See—*
  - Webster, Joseph P.; and Gustafson, William L., 4,829,888, Cl. 99-284.000.
- Gustafsson, Bengt O.; and Johansson, Nils B., to SKF Plasma Technologies AB. Method for separating zinc out of a hot gas containing zinc vapour. 4,876,074, 10-24-89, Cl. 423-210.500.
- Gustafsson, Bror, to Sedaplast AB. Load absorbing glue jointing plug, preferably for joining together furniture components. 4,822,202, 4-18-89, Cl. 403-268.000.
- Gustafsson, Bror: *See—*
  - Petersson, Stefan; Gustafsson, Bror; and Parmann, Gunnar, 4,818,209, Cl. 425-392.000.
- Gustafsson, Hans; and Hallberg, Thomas, to GH Trading AB. Telescopic brace assembly. 4,840,340, 6-20-89, Cl. 248-240.400.
- Gustafsson, Hans: *See—*
  - Brattstrom, Leif; Gustafsson, Hans; Strom, Tommy; Arvidsson, Bertil; and Cergeus, Sture, 4,831,936, Cl. 102-476.000.
- Gustafsson, Helmer, to Yhtyneet Paperitehtaat Oy Jylhavaara. Welded conical grinding cutter. 4,840,318, 6-20-89, Cl. 241-294.000.
- Gustafsson, Jan-Erik V.: *See—*
  - Andersson, Birgitta S.; Zethraeus, Malin C.; Herngren, Torbjorn; and Gustafsson, Jan-Erik V., 4,889,592, Cl. 162-29.000.
- Gustafsson, Roger: *See—*
  - Linden, Ake; and Gustafsson, Roger, 4,884,840, Cl. 297-320.000.
- Gustafsson, Sune M., to Telefonaktiebolaget L M Ericsson. Apparatus for obtaining a high sound level and good sound reproduction from a loudspeaking telephone. 4,885,772, 12-5-89, Cl. 379-390.000.
- Gustafsson, Tore: *See—*
  - Jarl, Bernt; and Gustafsson, Tore, 4,805,710, Cl. 180-38.020.
- Gustav Hessmert KG: *See—*
  - Hessmert, Gustav-Adolf, 4,799,592, Cl. 206-504.000.
- Gustav Magenwirth GmbH & Co.: *See—*
  - Betz, Manfred, 4,855,704, Cl. 336-132.000.
- Gustav Wagner Maschinenfabrik GmbH & Co. KG: *See—*
  - Henning, Klaus; and Maurer, Jorg, 4,867,026, Cl. 83-835.000.
  - Ritter, Siegfried, 4,878,574, Cl. 198-369.000.
- Gustaveson, Elsie E.: *See—*
  - Gustaveson, Keith I.; and Gustaveson, Elsie E., 4,829,725, Cl. 52-39.000.
  - Gustaveson, Keith I.; and Gustaveson, Elsie E., 4,843,782, Cl. 52-39.000.
- Gustaveson, Keith I.; and Gustaveson, Elsie E. Behind-the-ceiling mounting for television receiver. 4,829,725, 5-16-89, Cl. 52-39.000.
- Gustaveson, Keith I.; and Gustaveson, Elsie E. Behind-the-ceiling mounting for television receiver. 4,843,782, 7-4-89, Cl. 52-39.000.
- Gustavsen, Willard. Impact blade tool. 4,872,231, 10-10-89, Cl. 7-103.000.
- Gustavson, Larry J.: *See—*
  - Wang, Kathy K.; Gustavson, Larry J.; and Dumbleton, John H., 4,857,269, Cl. 420-417.000.
- Gustavsson, Axel G. V.; Andersson, Knut M. G.; and Andersson, Karl E. M. Method and an arrangement for the preparation of insert bodies for the artificial rebuilding of teeth and human limbs, etc. 4,842,454, 6-27-89, Cl. 409-84.000.
- Gustavsson, Ove: *See—*
  - Persson, Goran; Gustavsson, Ove; and Hugosson, Bernt-Ola, 4,844,968, Cl. 428-181.000.
- Gustavsson, Stig I.; and Arielly, Salo, to KabiVitrum AB. New peptide derivatives. 4,797,472, 1-10-89, Cl. 530-331.000.
- Gusten, Hans; Ache, Hans-Joachim; Rinke, Monika; and Wirth, Hermann O., to Kernforschungszentrum Karlsruhe Gesellschaft mit Beschrankter Haftung. Substituted and unsubstituted ring-bridged para-oligophenylene UV laser dyes. 4,876,029, 10-24-89, Cl. 252-301.170.
- Gustin, Arnold; and McGillivray, Kevin. Laminar flow multiplane matrix ceiling system. 4,883,511, 11-28-89, Cl. 55-355.000.
- Gustin, David C., to Dana Corporation. Electromagnetically actuated friction disc clutch. 4,828,091, 5-9-89, Cl. 192-84.00C.
- Gut, George M.; and Monahan, Steven E., to International Business Machines Corporation. Anode plate for a parallel-plate reactive ion etching reactor. 4,810,322, 3-7-89, Cl. 156-345.000.
- Gut, Karl: *See—*
  - Greulich, Walter; Gut, Karl; Hornung, Klaus; and Schulte, Gunther, 4,798,178, Cl. 123-90.600.
- Gutberlet, L. C.: *See—*
  - Kukes, Simon G.; Miller, Jeffrey T.; Gutberlet, L. C.; and Kelterborn, Jeffrey C., 4,834,865, Cl. 208-59.000.
- Gutberlet, L. Charles; and Miller, Jeffrey T., to Amoco Corporation. Hydrocracking process. 4,820,403, 4-11-89, Cl. 208-111.000.
- Gutberlet, L. Charles: *See—*
  - Kukes, Simon G.; Gutberlet, L. Charles; and Miller, Jeffrey T., 4,797,195, Cl. 208-59.000.
  - Kukes, Simon G.; Gutberlet, L. Charles; and Hensley, Albert L., Jr., 4,797,196, Cl. 208-59.000.
- Gutberlet, Louis C.: *See—*
  - Kukes, Simon G.; Miller, Jeffrey T.; and Gutberlet, Louis C., 4,875,991, Cl. 208-59.000.
- Gutbrod, Kenneth J., to Harnischfeger Corporation. Electromagnetic brake. 4,820,946, 4-11-89, Cl. 310-77.000.
- Gutbrod-Werke GmbH: *See—*
  - Klever, Manfred; and Rott, Karl-Heinz, 4,823,542, Cl. 56-17.500.
- Gutek, Beth I., to Dow Corning Corporation. UV curable conformal coating with moisture shadow cure. 4,824,875, 4-25-89, Cl. 522-9.000.
- Gutek, Beth I., to Dow Corning Corporation. Liquid curable polyorganosiloxane compositions. 4,845,164, 7-4-89, Cl. 528-15.000.
- Gutek, Beth I.; and Wright, Antony P., to Dow Corning Corporation. Process for synthesis of acylamino organosilicon compounds. 4,889,942, 12-26-89, Cl. 556-419.000.
- Gutermann & Co. AG: *See—*
  - Kraske, Bernhard, 4,830,561, Cl. 414-276.000.
  - Kraske, Bernhard, 4,833,336, Cl. 250-566.000.
- Gutermuth, Paul. Separator for gaseous fluids. 4,830,644, 5-16-89, Cl. 55-436.000.
- Gutermuth, Paul. Separator for gaseous fluids. 4,877,430, 10-31-89, Cl. 55-269.000.
- Gutermuth, Terry R.: *See—*
  - Nankee, Robert J., II; Frantz, Douglas C.; Tamm, James R.; and Gutermuth, Terry R., 4,821,701, Cl. 123-520.000.
- Gutfleisch, Siegfried; Hopsch, Gerhard; and Kleinschmit, Einhard, to Daimler-Benz Aktiengesellschaft. Tensioning device for maintaining two shaft sections in playfree engagement in the direction of rotation. 4,886,481, 12-12-89, Cl. 464-162.000.
- Gutgsell, David R., to Ditto Sales, Inc. Folding table leg apparatus. 4,838,180, 6-13-89, Cl. 108-132.000.
- Guth, Christian; Haase, Jorg; and Stehlin, Albert, to Ciba-Geigy Corporation. Aqueous textile assistant of high storage stability and hard water resistance. 4,844,710, 7-4-89, Cl. 8-127.100.
- Guth, Christian: *See—*
  - Abel, Heinz; Guth, Christian; and Berendt, Hans-Ulrich, 4,880,564, Cl. 252-321.000.
- Guth, Jean-Louis; Faust, Anne-Catherine; Raatz, Francis; and Lamblin, Jean-Marc, to Institut Francais Du Petrole. Ferrierites; their process of manufacture. 4,853,203, 8-1-89, Cl. 423-328.000.
- Guth, Josef: *See—*
  - Bott, Kaspar; Hartmann, Horst; and Guth, Josef, 4,889,950, Cl. 560-205.000.

- Guth, Leslie A.: *See—*
  - Fisher, John R.; Guth, Leslie A.; and Mahler, James A., 4,821,948, Cl. 228-223.000.
  - Fisher, John R.; Guth, Leslie A.; and Mahler, James A., 4,871,105, Cl. 228-33.000.
- Guth Lighting Systems, Inc.: *See—*
  - Molnar, John P., 4,799,136, Cl. 362-300.000.
- Guthery, Scott B.: *See—*
  - Denney, Richard L.; and Guthery, Scott B., 4,815,076, Cl. 371-11.000.
- Guthmann, Alfred: *See—*
  - Holoch, Jan; Guthmann, Alfred; Christoph, Hans-Juergen; and Kemper, Heinz B., 4,829,106, Cl. 523-506.000.
- Guthmueller, Rodney K.; and Habitzreiter, Richard K., to Recognition Equipment Incorporated. Method of detecting and reading postal bar codes. 4,822,986, 4-18-89, Cl. 235-462.000.
- Guthormsen, Oyvind: *See—*
  - Kalvenes, Bjorn K.; Guthormsen, Oyvind; and Erstad, Troels, 4,842,075, Cl. 166-341.000.
- Guthrie Canadian Investments Limited: *See—*
  - Burke, Patrick E., 4,874,916, Cl. 219-10.750.
- Guthrie, David W., to Kimberly-Clark Corporation. Synthetic sheet composite. 4,810,571, 3-7-89, Cl. 428-286.000.
- Guthrie, Linda T.: *See—*
  - Taylor, Charles S.; Abrams, Robert M.; Messner, Kirsten L.; Huss, Beverly; Mar, Craig E.; Kraus, Jeffrey L.; and Guthrie, Linda T., 4,827,941, Cl. 128-657.000.
- Guthrie, Richard A. Bicycle lock. 4,841,757, 6-27-89, Cl. 70-236.000.
- Guthrie, Robert M.: *See—*
  - Alcock, Richard A.; and Guthrie, Robert M., 4,827,752, Cl. 72-289.000.
- Guthrie, Roger T.: *See—*
  - Barkalow, Raymond W.; Dick, Harold S.; and Guthrie, Roger T., 4,879,970, Cl. 118-719.000.
- Guthrie, Walter G.: *See—*
  - McLennan, John M.; Brunt, Keith D.; and Guthrie, Walter G., 4,820,428, Cl. 252-8.551.
- Gutierrez, Alberto; and Gutierrez, Carlos. Method and apparatus for measuring the length of the root canal of a tooth. 4,850,866, 7-25-89, Cl. 433-72.000.
- Gutierrez, Antonio; and Kleist, Robert A., to Exxon Chemical Patents Inc. Polyolefinic succinimide polyamine alkyl acetoacetate adduct dispersants. 4,839,070, 6-13-89, Cl. 252-51.50A.
- Gutierrez, Antonio; Lundberg, Robert D.; Kleist, Robert A.; and Bloch, Ricardo, to Exxon Chemical Patents Inc. Polyolefinic succinimide polyamine alkyl acetoacetate adducts as dispersants in lubricating oil compositions. 4,839,071, 6-13-89, Cl. 252-51.50A.
- Gutierrez, Antonio; and Kleist, Robert A., to Exxon Chemical Patents Inc. Polyolefinic succinimide polyamine alkyl acetoacetate adducts. 4,839,072, 6-13-89, Cl. 252-51.50A.
- Gutierrez, Antonio; Emert, Jacob; Kleist, Robert A.; and Waddoups, Malcolm, to Exxon Chemical Patents Inc. Polyolefinic succinimide polyamine alkyl acetoacetate and substituted acetate adducts as compatibilizer additives in lubricating oil compositions. 4,839,073, 6-13-89, Cl. 252-51.50A.
- Gutierrez, Antonio; and Lundberg, Robert D., to Exxon Chemical Patents Inc. Dispersant additives derived from amido-amines. 4,857,217, 8-15-89, Cl. 252-47.000.
- Gutierrez, Antonio; and Lundberg, Robert D., to Exxon Chemical Patents Inc. Heterocyclic amine terminated, lactone modified, aminated viscosity modifiers of improved dispersancy. 4,866,135, 9-12-89, Cl. 525-285.000.
- Gutierrez, Antonio; and Lundberg, Robert D., to Exxon Chemical Patents Inc. Lactone modified, esterified dispersant additives useful in oleaginous compositions. 4,866,139, 9-12-89, Cl. 525-333.700.
- Gutierrez, Antonio; and Lundberg, Robert D., to Exxon Chemical Patents Inc. Lactone modified adducts or reactants and oleaginous compositions containing same. 4,866,140, 9-12-89, Cl. 525-333.700.
- Gutierrez, Antonio; and Lundberg, Robert D., to Exxon Chemical Patents Inc. Lactone modified, esterfied or aminated additives useful in oleaginous compositions and compositions containing same. 4,866,141, 9-12-89, Cl. 525-333.700.
- Gutierrez, Antonio; and Lundberg, Robert D., to Exxon Chemical Patents Inc. Lactone modified polymeric amines useful as oil soluble dispersant additives. 4,866,142, 9-12-89, Cl. 525-333.700.
- Gutierrez, Antonio; Lundberg, Robert D.; and Colcord-Hernandez, Laura J., to Exxon Chemical Patents Inc. Method for preparing salts of polyolefinic substituted dicarboxylic acids. 4,870,197, 9-26-89, Cl. 556-114.000.
- Gutierrez, Antonio: *See—*
  - Brois, Stanley J.; and Gutierrez, Antonio, 4,851,524, Cl. 540-474.000.
  - Brois, Stanley J.; and Gutierrez, Antonio, 4,866,187, Cl. 549-320.000.
  - Brois, Stanley J.; and Gutierrez, Antonio, 4,880,923, Cl. 540-471.000.
  - Lundberg, Robert D.; and Gutierrez, Antonio, 4,820,432, Cl. 252-51.50A.
  - Lundberg, Robert D.; and Gutierrez, Antonio, 4,828,742, Cl. 252-51.50R.
- Gutierrez, Carlos: *See—*
  - Gutierrez, Alberto; and Gutierrez, Carlos, 4,850,866, Cl. 433-72.000.
- Gutierrez, Hector M.: *See—*
  - Rowley, C. Allen; and Gutierrez, Hector M., 4,823,560, Cl. 62-467.000.
- Gutierrez, J. Guadalupe. Cube and pegs assembly puzzle. 4,811,948, 3-14-89, Cl. 273-156.000.
- Gutierrez, Julian. Holder and ejector assembly for cassette-type casings. 4,819,802, 4-11-89, Cl. 206-387.000.
- Gutierrez, Robelino C.: *See—*
  - Ford, John R.; Gutierrez, Robelino C.; Carrera, Armando N.; and Galik, William T., 4,865,093, Cl. 144-144.00R.
- Gutierrez, Sergio A. R.: *See—*
  - Gelorme, Jeffrey D.; Cox, Robert J.; and Gutierrez, Sergio A. R., 4,882,245, Cl. 430-14.000.
- Gutknecht, Daniel A., to Allied-Signal Inc. Exhaust gas driven turbocharger. 4,850,820, 7-25-89, Cl. 417-407.000.
- Gutkowicz-Krusin, Dina: *See—*
  - Elbaum, Marek; Gutkowicz-Krusin, Dina; and Nowakowski, Jerzy, 4,889,398, Cl. 350-3.670.
- Gutkowski, Ronald R.: *See—*
  - Bobinger, Karl J.; and Gutkowski, Ronald R., 4,807,781, Cl. 222-546.000.
- Gutman, Lia M.: *See—*
  - Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
- Gutman, Richard G.; Knibbs, Richard H.; and Williams, Gwilym H., to British Nuclear Fuels Plc. Liquid treatment apparatus. 4,832,841, 5-23-89, Cl. 210-232.000.
- Gutman, Robert F.; and Migrin, Robert, to United Technologies Automotive, Inc. Vehicular display view control system. 4,874,224, 10-17-89, Cl. 350-174.000.
- Gutmann, Alexander: *See—*
  - Hirsch, Eitan; Gutmann, Alexander; Schwartz, Ana; Goren, Eliezer; Perlmuter, Nikolai; and Tal, Reuven, 4,854,240, Cl. 102-476.000.
- Gutmann, Friedrich: *See—*
  - Margureanu, Gabriella; and Gutmann, Friedrich, 4,855,494, Cl. 562-580.000.
- Gutmann, Gilbert: *See—*
  - Constant, Didier; and Gutmann, Gilbert, 4,814,022, Cl. 148-2.000.
- Gutmann, Guenter: *See—*
  - von Benda, Klaus; Gutmann, Guenter; and Hildner, Hans-Joachim, 4,867,857, Cl. 204-290.00R.
- Gutmann, Johannes A.: *See—*
  - Gay, Michael J.; and Gutmann, Johannes A., 4,796,295, Cl. 379-392.000.
- Gutnick, David L.; Nestaas, Eirik; Rosenberg, Eugene; and Sar, Nechemia, to Petroleum Fermentations N.V. Bioemulsifier production by Acinetobacter calcoaceticus strains. 4,883,757, 11-28-89, Cl. 435-252.100.
- Gutnick, David L.: *See—*
  - Shoham, Yuval; Rosenberg, Eugene; and Gutnick, David L., 4,818,817, Cl. 536-1.100.
- Gutnik, Saul, to Cherry Division of Textron, Inc. Rivet installation tool and method of installing rivets. 4,815,193, 3-28-89, Cl. 29-509.000.
- Gutov, Sergei K.; Plesser, Dmitry A.; and Radutsky, Grigory A. Unit goods storage. 4,872,800, 10-10-89, Cl. 414-278.000.
- Gutowski, Paul R.; Smith, Martin L., Jr.; and Sondergeld, Carl H., to Amoco Corporation. Sonic logging system. 4,819,214, 4-4-89, Cl. 367-27.000.
- Gutsche, Gunter E. Stabilizing system for vehicles and method for using same. 4,817,550, 4-4-89, Cl. 414-124.000.
- Gutsche, Gunter E. Method and apparatus to produce enhanced luminosity on display devices in glare. 4,846,549, 7-11-89, Cl. 350-101.000.
- Gutschmit, Alan. Tubular conduit for transporting traveling textile yarn. 4,877,170, 10-31-89, Cl. 226-196.000.
- Gutshall, Charles: *See—*
  - Jordan, Chalmer; Connor, Lee; Lybarger, Robert; and Gutshall, Charles, 4,824,297, Cl. 408-217.000.
- Gutta, John: *See—*
  - Reid, David A.; Johnson, Roger A.; and Gutta, John, 4,804,889, Cl. 313-624.000.
- Guttag, Karl: *See—*
  - Van Aken, Jerry; and Guttag, Karl, 4,799,053, Cl. 340-703.000.
  - Van Aken, Jerry; and Guttag, Karl, 4,825,390, Cl. 364-526.000.
- Gutter, David H.: *See—*
  - Bianchi, Edward A.; and Gutter, David H., 4,809,424, Cl. 29-564.200.
- Gutterman, Pamela R.; Harms, Sherry J.; and Hoffer, John C., to AMP Incorporated. Linear translation switch with optical fibers. 4,854,660, 8-8-89, Cl. 350-96.180.
- Gutterman, Pamela R.: *See—*
  - Caron, Bernard G.; Gutterman, Pamela R.; and Murray, Dale D., 4,878,731, Cl. 350-96.210.
  - Flickinger, Steven L.; Gutterman, Pamela R.; and Hadley, Wayne B., 4,808,816, Cl. 250-227.000.
- Guttierrez, Antonio; and Ryer, Jack, to Exxon Chemical Patents Inc. Novel dispersants for oleaginous compositions. 4,797,219, 1-10-89, Cl. 252-56.00D.
- Guttinger, Peter: *See—*
  - Langen, Marinus J. M.; and Guttinger, Peter, 4,805,375, Cl. 53-142.000.
  - Langen, Marinus J. M.; and Guttinger, Peter, 4,835,947, Cl. 53-542.000.

  - Langen, Marinus J. M.; and Guttinger, Peter, 4,871,070, Cl. 206-591.000.
  - Langen, Marinus J. M.; Guttinger, Peter; and Borza, Mihai M., 4,872,301, Cl. 53-133.000.
  - Langen, Marinus J. M.; and Guttinger, Peter, 4,879,860, Cl. 53-247.000.
- Guttler, Jo. Hydrodynamically modified hull for a water craft. 4,864,948, 9-12-89, Cl. 114-39.100.
- Guttman, Richard T.: *See—*
  - Sue, Horace O.; Guttman, Richard T.; Pendley, David M.; and Keys, William C., 4,812,674, Cl. 307-116.000.
- Guttmann, Andrew T.; Brazdil, James F.; and Grasselli, Robert K., to Standard Oil Company, The. Preparation of vanadium III oxidic compounds, and dehydrogenation of paraffins. 4,816,243, 3-28-89, Cl. 423-593.000.
- Guttmann, Andrew T.: *See—*
  - Bartek, Joseph P.; Guttmann, Andrew T.; and Brazdil, James F., Jr., 4,797,381, Cl. 502-202.000.
  - Brazdil, James F.; and Guttmann, Andrew T., 4,873,215, Cl. 502-202.000.
- Guttmann, Daniele: *See—*
  - Donati, Jean R.; Guttmann, Daniele; Rouillon, Yves; Paul, Pierre S.; and Zacharie, Guy, 4,877,465, Cl. 148-428.000.
- Guttormsem, Rolf, to A/S SABA Medical. Height adjusting mechanism for a physical therapy bench. 4,817,220, 4-4-89, Cl. 5-63.000.
- Gutu-Nelle, Anca; and Baumgartner, Armin, to Alcatel NV. Method of making optical waveguides using glass forming pulverulent material. 4,810,275, 3-7-89, Cl. 65-2.000.
- Gutwald, Mark J.: *See—*
  - Brennan, Daniel G.; Gutwald, Mark J.; and Miller, Leonard J., 4,812,117, Cl. 361-18.000.
- Gutz, Steven J.: *See—*
  - Znotins, Thomas A.; Reid, John; and Gutz, Steven J., 4,823,354, Cl. 372-57.000.
- Gutzler, Marc H.: *See—*
  - Oswald, Norman D.; Franklin, Carl M.; Gutzler, Marc H.; and Mankey, Harry S., 4,850,786, Cl. 414-460.000.
- Gutzwiller, H. Leslie. Modified centrifugal airfoil fan wheel. 4,874,293, 10-17-89, Cl. 416-184.000.
- Guu, Cheng-Show: *See—*
  - Wang, Tzay-Chyuan; and Guu, Cheng-Show, 4,812,614, Cl. 219-124.340.
- Guy, Desfountaines: *See—*
  - Pol, Dejeux; and Guy, Desfountaines, 4,857,265, Cl. 376-463.000.
- Guy, James O.: *See—*
  - Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., 4,809,237, Cl. 367-35.000.
  - Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., 4,834,209, Cl. 181-105.000.
- Guy-Raymond Engineering Company Ltd.: *See—*
  - Daniels, Raymond R. J., 4,821,369, Cl. 16-35.00R.
- Guy, Robert R., to Sterling Engineered Products Inc. Side body molding for attachment to a vehicle body. 4,808,450, 2-28-89, Cl. 428-31.000.
- Guy, Ronald F. E., to Marconi Company Limited, The. Apparatus for transmitting and/or receiving microwave radiation. 4,823,144, 4-18-89, Cl. 343-853.000.
- Guy, Weldon E. Tubing coupling and method. 4,852,655, 8-1-89, Cl. 166-380.000.
- Guyader, Jean: *See—*
  - Laurent, Yves; Verdier, Patrick; and Guyader, Jean, 4,797,377, Cl. 501-39.000.
- Guyader, Roger; and Ploet, Jean-Marie, to Telic Alcatel. Message and ringing signaling device for a telephone installation. 4,821,314, 4-11-89, Cl. 379-376.000.
- Guyer, Anthony W., to General Electric Company. Electric module insertion tool. 4,800,647, 1-31-89, Cl. 29-741.000.
- Guyer, Edward, to Ford Aerospace & Communications Corporation. Unsymmetrical QPSK demodulator. 4,814,719, 3-21-89, Cl. 329-124.000.
- Guyer, James M.: *See—*
  - D'Amico, Lynn W.; and Guyer, James M., 4,796,176, Cl. 364-200.000.
- Guynn, Chester K.: *See—*
  - Gossler, Hans K.; and Guynn, Chester K., 4,880,141, Cl. 220-464.000.
- Guyomard, Daniel; Torrez, Gerald; Lambour, Jean-Michel; and Arriveau, Claude, to B.A.S.F. Peintures & Encres S.A. Method for depositing a primer or sealer of programmed color on an object. 4,876,111, 10-24-89, Cl. 427-31.000.
- Guyon, Richard D.: *See—*
  - Cary, Richard W.; and Guyon, Richard D., 4,875,159, Cl. 364-200.000.
- Guyon, Robert P. Y.: *See—*
  - Eberhardt, Andre; Dominiak, Serge; Berveiller, Marcel; Lucas, Jean P.; and Guyon, Robert P. Y., 4,857,387, Cl. 428-209.000.
- Guyot, Claude, to Beka St-Aubin SA. Auxiliary snow-chain device for motor vehicles. 4,809,797, 3-7-89, Cl. 180-16.000.
- Guyre, Paul M.: *See—*
  - Fanger, Michael W.; Guyre, Paul M.; and Anderson, Clark L., 4,833,23[illegible], Cl. 530-387.000.
- Guzay, Casimir M.: *See—*
  - Espevik, Craig S.; Openchowski, Richard A.; Caputo, James H.; and Guzay, Casimir M., 4,866,817, Cl. 24-23.00W.
- Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., to Nauchno-issledovatelsky Institut Betona I Zhelezobetona. Chemically resistant concrete based on water glass. 4,814,013, 3-21-89, Cl. 106-84.000.
- Guzek, Krzysztof: *See—*
  - Ackermann, Ulrich; Faller, Kurt; Guzek, Krzysztof; and Meier, Arnold, 4,839,482, Cl. 200-148.00B.
- Guzewich, Greogory J.: *See—*
  - Morgante, Michael R.; Guzewich, Greogory J.; Kowal, Henry J.; La Mendola, Christopher; and Stanfield, Randall E., 4,829,917, Cl. 112-80.410.
- Guzewska, Maria E.: *See—*
  - Rzeszotarski, Waclaw J.; Guzewska, Maria E.; Carter, John P.; Adams, Theodore C.; Dupont, Andrea C.; and Kaiser, Carl, 4,877,779, Cl. 514-63.000.
- Guzik, Andrzej T.; Kuznicki, William J.; and Tsatakis, Serafina, to Motorola, Inc. Detachable belt clip assembly. 4,828,153, 5-9-89, Cl. 224-242.000.
- Guzik, Nahum E.; Mangeym, Gennady; and Yung, Tony K., to Guzik Technical Enterprises, Inc. Method and apparatus for data window centering in a multifrequency data separator. 4,829,545, 5-9-89, Cl. 375-120.000.
- Guzik Technical Enterprises, Inc.: *See—*
  - Guzik, Nahum E.; Mangeym, Gennady; and Yung, Tony K., 4,829,545, Cl. 375-120.000.
- Guzikowski, Joseph A.: *See—*
  - Wagenknecht, Arthur J.; Anderson, John R.; and Guzikowski, Joseph A., 4,812,705, Cl. 313-406.000.
- Guzman, Alberto: *See—*
  - Kaufman, William M.; and Guzman, Alberto, 4,812,826, Cl. 340-682.000.
- Guzman, Alberto M.: *See—*
  - Grace, Richard; Guzman, Alberto M.; Portnoff, Marc A.; Pera, David A.; Runco, Paul D.; and Tabacchi, John G., 4,847,783, Cl. 364-497.000.
- Guzman, Angel: *See—*
  - Muchowski, Joseph M.; Greenhouse, Robert J.; and Guzman, Angel, 4,803,269, Cl. 544-69.000.
  - Muchwoski, Joseph M.; and Guzman, Angel, 4,867,915, Cl. 260-399.000.
- Guzman, Hermilo. Ground fault detector and locator. 4,884,034, 11-28-89, Cl. 324-529.000.
- Guzowski, Anthony: *See—*
  - Glass, Michael; Bilka, Kenneth P.; and Guzowski, Anthony, 4,828,820, Cl. 424-48.000.
  - Glass, Michael; Bilka, Kenneth P.; Guzowski, Anthony; and Malinowski, Eva, 4,834,986, Cl. 426-3.000.
- Guzowski, Samuel; and Parth, Leo, to S & B Technical Products, Inc. Pipe gasket. 4,834,398, 5-30-89, Cl. 277-207.00A.
- Guzy, D. James: *See—*
  - Wilson, Jon C.; Shick, David A.; Haynie, Robert L.; Wilder, Donald R.; Zimmerman, Larry D.; LeCour, Richard M.; and Guzy, D. James, 4,841,526, Cl. 371-32.000.
- Guzy, D. James, Jr.: *See—*
  - Liu, Wei-Ti; Guzy, D. James, Jr.; and Salameh, Michael J., 4,833,349, Cl. 307-468.000.
- Guzy, Ray L.; and Livingston, David W., to Baker Hughes Incorporated. High gas oil ratio resistant elastomer. 4,820,764, 4-11-89, Cl. 524-512.000.
- Guzzini, Virgilio, to Teuco Guzzini S.r.l. Bathtub with improved hydromassage system. 4,797,958, 1-17-89, Cl. 4-542.000.
- GV Medical, Inc.: *See—*
  - Kauphusman, James V.; and Neilson, Bruce H., 4,846,171, Cl. 128-303.100.
- Gwaltney, Robert E.: *See—*
  - Cunningham, Charles L.; and Gwaltney, Robert E., 4,850,402, Cl. 141-38.000.
  - McAnally, Marcus E.; and Gwaltney, Robert E., 4,872,492, Cl. 141-38.000.
- Gwarectwo Mechanizacji Gornictwa "Polmag" Przedsiebiorstwo Panstwowe Fabryka Zmechanizowanych Obudow Scianowych Fazos: *See—*
  - Cieslik, Jerzy; Flak, Marek; Kuczka, Eugeniusz; Oles, Franciszek; Marszycki, Zdsizlaw; and Olender, Kornel, 4,856,940, Cl. 405-296.000.
- Gwathmey, Owen M.; Sloane, Thomas E., Jr.; and Oddsen, Robert R., to Gwathmey, Owen M. Suturing assembly and method. 4,808,695, 3-7-89, Cl. 128-334.00R.
- Gwinner, Lutz, to Kulzer & Co., GmbH. Mold for embedding histological preparations. 4,848,719, 7-18-89, Cl. 249-114.100.
- Gwynne, David I.: *See—*
  - Buxton, Franics P.; Gwynne, David I.; and Davies, Roger W., 4,885,249, Cl. 435-172.300.
- GX-Holding AG: *See—*
  - Jaeger, Walter; and Mazza, Aldo, 4,866,275, Cl. 250-330.000.
- GyCor International Ltd.: *See—*
  - Regutti, Robert, 4,880,652, Cl. 426-417.000.
- Gyenge, Michael; and Gray, Robert E. Chance selection device. 4,844,467, 7-4-89, Cl. 273-161.000.
- Gyertyan, Istvan: *See—*
  - Reiter, Jozsef; Rivo, Endre; Reiter nee Esses, Klara; Fekete, Marton; Gogenyi, Frigyes; Petocz, Lujza; Gacsalyi, Istvan; and Gyertyan, Istvan, 4,831,029, Cl. 514-232.500.
- Gyger, Fritz, Jr. Stylus. 4,855,989, 8-8-89, Cl. 369-173.000.
- Gyger, Jack D.: *See—*
  - Boyer, Michael R.; Foster, James F.; and Gyger, Jack D., 4,846,073, Cl. 104-88.000.
  - Pol, Kenneth J.; Foster, James F.; Gyger, Jack D.; and Hyland, Lawrence P., 4,804,173, Cl. 271-11.000.
- Gyger, Roger F.: *See—*
  - Tyree, Lewis, Jr.; Gyger, Roger F.; and Rhoades, George D., 4,888,955, Cl. 62-47.100.
- Gyimothy, Gabor, to Alfatechnic AG. Tablet dispenser. 4,854,478, 8-8-89, Cl. 221-190.000.
- Gyles, Colin: *See—*
  - Gordon, Bernard M.; and Gyles, Colin, 4,801,851, Cl. 315-367.000.
- Gynex, Inc.: *See—*
  - El-Rashidy, Ragab, 4,889,634, Cl. 210-646.000.
  - Urheim, John E., 4,867,177, Cl. 128-849.000.
- Gyobu, Ichiro: *See—*
  - Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.
- Gyogyszerkutato Intezet/Pharmaceutical Research Institute: *See—*
  - Abraham, Gizella; Horvath, Tibor; Toldy, Lajos; Borvendeg, Janos; Csanyi, Endre; Kiss, Eva; nee Hermann, Ilona S.; and Tory, Kalman, 4,806,685, Cl. 564-324.000.
- Gyongyosi, Gyorgy: *See—*
  - Kovacs, Ferenc; Lengyel, Miklosne; Nagy, Tibor; Antal, Sandor; Gyongyosi, Gyorgy; Palotas, Laszlo; and Pfisztner, Nandor, 4,860,798, Cl. 138-133.000.
  - Lantos, Elemer; Gyongyosi, Gyorgy; and Antal, Sandor, 4,850,619, Cl. 285-149.000.
- Gyoni, Istyan: *See—*
  - Szabo nee Mogyorosi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso; Nemes, Istvan; Botar, Laszlo; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
- Gyorgy, Ernst M.; Hellman, Frances; and Johnson, David W., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Superconductor-magnet induced separation. 4,797,386, 1-10-89, Cl. 505-1.000.
- Gyovai, Geza. Spherical puzzle toy. 4,856,786, 8-15-89, Cl. 273-153.00S.
- Gyproc AB: *See—*
  - Fridh, Lars; and Ingemansson, Stig, 4,830,140, Cl. 181-288.000.
- Gyrodata, Inc.: *See—*
  - Uttecht, Gary W.; Hoover, Danny E.; and Klopp, Stephen W., 4,800,981, Cl. 181-104.000.
- Gyroteq Corporation: *See—*
  - Sachy, Helmut, 4,799,667, Cl. 272-36.000.
- Gysi, Peter, to ELPATRONIC AG. Conveyor device for workpieces. 4,799,585, 1-24-89, Cl. 198-743.000.
- Gysi, Peter, to Elpatronic AG. Conveyor device for can bodies in a can welding machine. 4,870,241, 9-26-89, Cl. 219-64.000.
- Gysi, Peter: *See—*
  - Depaoli, Albano; and Gysi, Peter, 4,824,007, Cl. 228-102.000.
- Gysling, Henry J.: *See—*
  - Agostinelli, John A.; and Gysling, Henry J., 4,833,103, Cl. 437-234.000.
- Gyuris, Joseph: *See—*
  - Jakubowski, John A.; and Gyuris, Joseph, 4,830,657, Cl. 71-67.000.
- Gyurk, Istvan: *See—*
  - Szepesy, Istvan; Tundik, Ferenc; Gyurk, Istvan; and nee Kiss, Ibolya S., 4,817,333, Cl. 47-58.000.
- G2 Systems Corporation: *See—*
  - Griffiths, Richard W., 4,812,645, Cl. 250-227.000.
- H. B. Fuller Company: *See—*
  - Batdorf, Vern H., 4,866,105, Cl. 523-103.000.
  - Gleason, Patrick D., 4,804,414, Cl. 106-212.000.
  - Marhevka, Virginia C.; Zimmel, John M.; Messman, Elizabeth R.; Bunnelle, William L.; and Swoboda, Jeffrey M., 4,808,255, Cl. 156-307.300.
  - Marhevka, Virginia C.; Zimmel, John M.; Messman, Elizabeth R.; and Bunnelle, William L., 4,820,368, Cl. 156-307.300.
  - Murdock, Thomas O.; and Krankkala, Paul L., 4,826,719, Cl. 428-182.000.
  - Werenicz, Harald, 4,842,666, Cl. 156-161.000.
  - Willging, Stephen M., 4,814,039, Cl. 156-328.000.
- H. Bahlsens Keksfabrik KG: *See—*
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- H. C. Spinks Clay Company Inc.: *See—*
  - Kohut, William, 4,812,427, Cl. 501-148.000.
  - Kohut, William, 4,812,428, Cl. 501-148.000.
  - Kohut, William, 4,883,759, Cl. 501-148.000.
- H-D Tech Inc.: *See—*
  - Dong, Dennis F.; Noonan, Edward B.; Rogers, Derek J.; Clifford, Arthur L.; Benesch, Katharina; and Loftfield, Richard E., 4,872,957, Cl. 204-84.000.
- H.E.P. Environmental Services, Inc.: *See—*
  - Blough, James A., 4,804,289, Cl. 403-24.000.
- H&P Enterprises: *See—*
  - Hickman, Robert D., 4,805,912, Cl. 273-1[illegible]6.0FB.
- H. G. Wallace Ltd.: *See—*
  - Wallace, Henry G., 4,863,423, Cl. 604-48.000.
- H.G. Weber & Co., Inc.: *See—*
  - Klaeser, Richard; and Blatz, Glenroy G., 4,838,982, Cl. 156-520.000.
- H. H. Robertson Company: *See—*
  - Albrecht, Raymond E., 4,850,162, Cl. 52-126.600.
  - Perk, Frank W., 4,805,358, Cl. 52-126.200.
- H & H Sales Corporation: *See—*
  - Hart, John T., 4,807,555, Cl. 114-345.000.
- H. J. Heinz Company: *See—*
  - Backman, Keith C., 4,839,286, Cl. 435-108.000.
  - MacMurray, Thomas A.; McComis, William T.; Boiarski, Anthony A.; Proffitt, James R.; and Green, Glen R., 4,839,181, Cl. 426-237.000.
- H. J. Langen & Sons Limited: *See—*
  - Langen, Jacobus J., 4,864,923, Cl. 99-533.000.
  - Langen, Marinus J. M.; and Guttinger, Peter, 4,805,375, Cl. 53-142.000.
  - Langen, Marinus J. M.; and Guttinger, Peter, 4,835,947, Cl. 53-542.000.
  - Langen, Marinus J. M.; and Guttinger, Peter, 4,871,070, Cl. 206-591.000.
  - Langen, Marinus J. M.; Guttinger, Peter; and Borza, Mihai M., 4,872,301, Cl. 53-133.000.
  - Langen, Marinus J. M.; and Guttinger, Peter, 4,879,860, Cl. 53-247.000.
- H&K Verpackungstechnik GmbH: *See—*
  - Schulte, Lothar, 4,804,306, Cl. 414-120.000.
- H. King and Associates: *See—*
  - King, Michael; and King, Homer F., 4,881,787, Cl. 312-42.000.
- H.L. International Marketing Corporation: *See—*
  - Vajs, Lubomir; and Vajs, Helena, 4,803,799, Cl. 43-82.000.
- H. Lundbeck A/S: *See—*
  - Boegesoe, Klaus P.; and Perregaard, Jens K., 4,847,254, Cl. 514-256.000.
  - Bogeso, Klaus P.; Jensen, Klaus G.; Moltzen, Ejner K.; and Pedersen, Henrik, 4,866,077, Cl. 514-326.000.
  - Bogeso, Klaus P.; and Sommer, Michael B., 4,873,344, Cl. 541-77.000.
  - Perregaard, Jens K., 4,855,307, Cl. 514-327.000.
- H&M Communications: *See—*
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- H. M. Electronics, Inc.: *See—*
  - Miyahira, Ronald T.; and Fasen, Kenneth, 4,882,770, Cl. 455-603.000.
- H & M Manufacturing Company: *See—*
  - Byrd, Curtis W.; and Byrd, Jerry D., 4,864,467, Cl. 361-369.000.
- H. Niemeyer Sohne GmbH & Co. KG: *See—*
  - Barlage, Bruno; and Robert, Franz-Josef, 4,889,190, Cl. 172-49.500.
- H.P.G. Research Ltd.: *See—*
  - Timewell, Richard R., 4,795,537, Cl. 204-129.000.
- H. P. Incorporated: *See—*
  - Butterfield, William P.; and Ridgway, Paul A., 4,810,207, Cl. 439-529.000.
  - Ridgway, Paul A.; and Butterfield, William P., 4,871,327, Cl. 439-543.000.
- H.S.G. Venture: *See—*
  - Simic-Glavaski, Branimir, 4,804,930, Cl. 332-751.000.
- H.S.G. Venture (a Joint Venture Partnership): *See—*
  - Simic-Glavaski, Branimir, 4,855,243, Cl. 436-63.000.
- H. S. I. Products, Inc.: *See—*
  - Gilbert, Ronald C.; and Henvest, Robert R., 4,821,829, Cl. 180-127.000.
- H. S. Jackson & Son (Fencing) Ltd.: *See—*
  - Daniels, Kurt; Williams, John D.; Wise, Percy W.; Jackson, Ian; and Cox, John, 4,813,182, Cl. 49-501.000.
- H S M: *See—*
  - Heijenga, Berend, 4,863,036, Cl. 206-629.000.
- H. Stoll GmbH & Co.: *See—*
  - Goller, Ernest; and Walker, Fritz, 4,799,365, Cl. 66-166.000.
  - Goller, Ernest; Ploppa, Jurgen; and Muller, Adam, 4,821,534, Cl. 66-60.00R.
  - Goller, Ernst; and Walker, Fritz, 4,807,451, Cl. 66-149.00R.
  - Goller, Ernst; Schmid, Franz; and Schmodde, Hermann, 4,827,739, Cl. 66-64.000.
  - Goller, Ernst; and Walker, Fritz, 4,840,046, Cl. 66-144.000.
  - Goller, Ernst; Wurst, Dieter; Kazmaier, Guenther; and Frei, Jochen, 4,858,446, Cl. 77-126.00R.
  - Goller, Ernst; and Walker, Fritz, 4,869,079, Cl. 66-146.000.
  - Stoll, Heinz P.; Stoll, Thomas; and Goller, Ernst, 4,866,954, Cl. 66-115.000.
  - Stoll, Thomas; Killus, Martin; and Mak, Gerd, 4,856,104, Cl. 364-470.000.
  - Wurst, Dieter; and Nissle, Gerhard, 4,819,457, Cl. 66-146.000.
- H-Tech, Inc.: *See—*
  - Hibbard, Bruce A., 4,797,040, Cl. 408-241.00R.
- H.U.C. Elektronik Hansen & Co.: *See—*
  - Hansen, Jens, 4,885,801, Cl. 455-264.000.
- H. W. Culp Lumber Co.: *See—*
  - Seffens, David E., 4,823,851, Cl. 144-245.00R.
- H & Y Enterprises: *See—*
  - Hanna, George, 4,846,476, Cl. 273-144.00A.
  - Hanna, George, 4,887,816, Cl. 273-144.00A.
- Ha, Heung Y. Animal trap. 4,829,700, 5-16-89, Cl. 43-61.000.
- Ha, Jin S. Automatic transmission system. 4,823,629, 4-25-89, Cl. 74-335.000.
- Ha Rubber and Plastics (Pty) Ltd.: *See—*
  - Bogdanovic, Bogdan, 4,869,514, Cl. 277-152.000.
- Haab, Alvin D., to Brock Manufacturing, Inc. Threaded fastener having jacketed head. 4,813,833, 3-21-89, Cl. 411-188.000.
- Haab, Karl; and Haab, Otto. Furniture door. 4,815,797, 3-28-89, Cl. 312-322.000.

Haab, Otto: *See—*
  Haab, Karl; and Haab, Otto, 4,815,797, Cl. 312-322.000.
Haack, August F. Precision rotary positioning mechanism. 4,802,386, 2-7-89, Cl. 74-798.000.
Haack, Dietmar, to Continental Aktiengesellschaft. Method and apparatus for checking the concentricity of a pneumatic vehicle tire. 4,841,766, 6-27-89, Cl. 73-146.000.
Haack, Richard A.: *See—*
  Djuric, Stevan W.; Haack, Richard A.; and Yu, Stella S., 4,855,324, Cl. 514-570.000.
Haacker, Heinz: *See—*
  Tolle, Arnold; Forster, Manfred; Haacker, Heinz; and Wensing, Helmut, 4,848,982, Cl. 48-69.000.
Haacon Hebetechnik GmbH: *See—*
  Riedl, Reinhold, 4,811,930, Cl. 254-45.000.
  Riedl, Reinhold, 4,828,308, Cl. 294-81.530.
Haaf, Franz: *See—*
  Brandstetter, Franz; Echte, Adolf; Haaf, Franz; and Naarmann, Herbert, 4,866,129, Cl. 525-92.000.
HAAF GmbH: *See—*
  Burger, Reinhard, 4,829,736, Cl. 52-720.000.
Haaf, William R.; and Axelrod, Robert J., to General Electric Company. Polyphenylene ether compositions having improved flow. 4,826,919, 5-2-89, Cl. 525-68.000.
Haaf, William R.: *See—*
  Yeager, Gary W.; White, Dwain M.; Factoe, Arnold; Factir Arnold; Haaf, William R.; and Haaf, William R., 4,863,984, Cl. 524-157.000.
  Yeager, Gary W.; White, Dwain M.; Factoe, Arnold; Factir Arnold; Haaf, William R.; and Haaf, William R., 4,863,984, Cl. 524-157.000
Haag, Gottlob: *See—*
  Rembold, Helmut; Linder, Ernst; and Haag, Gottlob, 4,879,984, Cl. 123-450.000.
Haag, Reiner: *See—*
  Farin, Gunter; Haag, Reiner; and Putz, Peter. 4,860,745, Cl. 128-303.170.
Haag, Robert A.; Ney, Leonard L., Jr.; and Marcucci, Lambert J., to Dunbar-Wolfe Printing Company. Parking ticket. 4,850,525, 7-25-89, Cl. 229-73.000.
Haag, Ronald H.; Manuel, Mark; and Rogers, Lloyd W., to General Motors Corporation. Electronic vehicle door lock/unlatch control. 4,858,971, 8-22-89, Cl. 292-201.000.
Haag-Streit AG: *See—*
  Papritz, Franz; and Widmer, Hansruedi, 4,838,671, Cl. 350-516.000.
Haaga, John R. Hemostatic sheath for a biopsy needle and method of use. 4,838,280, 6-13-89, Cl. 128-751.000.
Haagen, Peter H.: *See—*
  Evans, Benjamin F.; Haagen, Peter H.; and Pempsell, Paul J., 4,825,200, Cl. 341-23.000.
Haagh, Johannes P. N.: *See—*
  Kamerman, Adriaan; and Haagh, Johannes P. N., 4,860,308, Cl. 375-8.000.
Haahtela, Otso; and Ebel, Bern, to Volkswagen AG. Piston for internal combustion engine. 4,833,977, 5-30-89, Cl. 92-212.000.
Haak, Wilhelm; Schiwik, Peter; and Rover, Gerd, to WABCO Westinghouse Fahrzeugbremsen GmbH. Check valve. 4,842,015, 6-27-89, Cl. 137-543.230.
Haak, Wolfgang; Kirchhoff, Bernd; and Binder, Ulrich, to O&K Orenstein & Koppel Aktiengesellschaft. Apparatus for cooling dust or finely granular bulk material. 4,813,480, 3-21-89, Cl. 165-120.000.
Haakana, Markku, to Ermartic International AB. Device and method for analyzing the elastic and/or viscous properties of gels or liquids. 4,869,098, 9-26-89, Cl. 73-64.100.
Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., to U.S. Philips Corporation. Method of generating an X-ray layer image of an examination zone, and device for performing the method. 4,853,947, 8-1-89, Cl. 378-99.000.
Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., to U.S. Philips Corporation. Method of generating an image of a layer of an object. 4,888,794, 12-19-89, Cl. 378-41.000.
Haaland, Per. Gasket for sealing the gap between two elements. 4,850,603, 7-25-89, Cl. 277-207.00A.
Haan, Franz; and Hock, Lothar, to Siemens Aktiengesellschaft. Apparatus and method for equipping printed circuit boards with components. 4,875,285, 10-24-89, Cl. 29-832.000.
Haan, Johannes P.: *See—*
  Bitter, Johan G. A.; and Haan, Johannes P., 4,810,366, Cl. 208-308.000.
Haanen, Donald R. Multiple mode sail driven vehicle. 4,829,925, 5-16-89, Cl. 114-39.100.
Haapanen, Erkki: *See—*
  Saarela, Olli; Helske, Vesa; and Haapanen, Erkki, 4,807,522, Cl. 92-161.000.
Haar, Hans-Peter; Edelmann, Hermann; Herrmann, Horst; and Thiery, Joachim, to Boehringer Mannheim GmbH. Method for the electrochemical analysis of electrolytic components in a sample liquid. 4,838,999, 6-13-89, Cl. 204-1.00T.
Haar, Hans-Peter: *See—*
  Edelmann, Hermann; Pasch, Anton; Klose, Sigmar; Haar, Hans-Peter; and Mann, Karlheinz, 4,814,144, Cl. 422-102.000.
Haarde, John F., to Compaq Computer Corporation. Printed wiring board having robber pads for excess solder. 4,835,345, 5-30-89, Cl. 174-68.500.
Haarer, Rolf; Moser, Theo; and Reum, Klaus, to Robert Bosch GmbH. Sorting and orienting apparatus. 4,802,568, 2-7-89, Cl. 198-388.000.
Haarmann, Bodo, to Harodent-KFO Dental-Vertrieb GmbH. Orthodontic device. 4,842,513, 6-27-89, Cl. 433-9.000.
Haarmann & Reimer GmbH: *See—*
  Exner, Fritz; Hagena, Detlef; Hopp, Rudolf; Nienhaus, Jurgen; and Gottsch, Wilhelm, 4,814,322, Cl. 512-25.000.
  Neinhaus, Jurgen; Hopp, Rudolf; Gottsch, Wilhelm; and Oelkers, Egon, 4,853,368, Cl. 512-25.000.
Haarstad, Donald M., to Eaton Corporation. Steering control unit with both flow amplification and manual steering capability. 4,862,690, 9-5-89, Cl. 60-384.000.
Haas, Adam J.; and Crabtree, Glenn E., to General Electric Company. Apparatus and method of installing a gasket in a channel member. 4,829,652, 5-16-89, Cl. 29-451.000.
Haas, Bernd: *See—*
  Dornhagen, Horst; Hammer, Hartmut; Haas, Bernd; and Meisenburg, Ewald, 4,885,405, Cl. 568-698.000.
Haas, Dave; Vandersyde, Gary; Beatty, Paul; and Roxas, Ren, to Bell & Howell Company. Insertion machine. 4,798,040, 1-17-89, Cl. 53-460.000.
Haas, David R.: *See—*
  Khanarian, Garo; and Haas, David R., 4,865,406, Cl. 350-96.120.
Haas, Eckhard: *See—*
  Houben, Hans; and Haas, Eckhard, 4,831,917, Cl. 92-176.000.
Haas, Fred. Sliding window. 4,799,332, 1-24-89, Cl. 49-408.000.
Haas, Fred, to Viceroy Homes Limited. Sliding door. 4,815,246, 3-28-89, Cl. 52-207.000.
Haas, Frederick W.: *See—*
  Davis, James C.; McGuiggan, Michael F.; Cuellar, Edward A.; and Haas, Frederick W., 4,857,159, Cl. 204-149.000.
Haas, Hans: *See—*
  Klee, Helmut; Haas, Hans; Kowalski, Werner; and Dahmen, Theo, 4,800,055, Cl. 264-118.000.
Haas, Herbert G. Releasable mounting assembly for tire building drum. 4,798,647, 1-17-89, Cl. 156-414.000.
Haas, Herbert G. Tire assembly machine. 4,836,880, 6-6-89, Cl. 156-400.000.
Haas, Jean-Luc; Deymie, Beruard; Millet, Pierre; and Billon, Michel, to Electricite De France; and Clextral. Process for the pre-isomerization of hops for preparing a beer. 4,844,912, 7-4-89, Cl. 426-46.000.
Haas, Jon A. Method for installing a pavement underdrain. 4,808,024, 2-28-89, Cl. 404-2.000.
Haas, Karl-Heinz: *See—*
  Schmidt, Helmut; Hutter, Frank; Haas, Karl-Heinz; Obermeier, Ernst; Steger, Ulrich; Endres, Hanns-Erik; and Drost, Stephan, 4,878,015, Cl. 324-71.500.
Haas, Lee C.: *See—*
  Abramson, Paul; Conner, David E.; and Haas, Lee C., 4,814,634, Cl. 307-243.000.
Haas, Manfred: *See—*
  Oitzl, Erich; and Haas, Manfred, 4,829,302, Cl. 341-165.000.
Haas, Max; and Schroder, Joris. Escalator steps having lateral safety devices. 4,858,745, 8-22-89, Cl. 198-333.000.
Haas, Michael W., to United States of America, Air Force. Stimulator for eye tracking oculometer. 4,798,214, 1-17-89, Cl. 128-745.000.
Haas, Oscar W.: *See—*
  Prasad, Ravi; and Haas, Oscar W., 4,881,953, Cl. 55-16.000.
Haas, Peter; and Kogelnik, Hans-Joachim, to Bayer Aktiengesellschaft. Amine-modified polyurethane (urea) foams and a process for their production. 4,797,430, 1-10-89, Cl. 521-164.000.
Haas, Peter; Sommerfeld, Claus-Dieter; and Weber, Hans-Ulrich, to Bayer Aktiengesellschaft. Oligourea polyols, polyether polyols produced from them and the use of these polyols in the isocyanate polyaddition process. 4,874,797, 10-17-89, Cl. 521-167.000.
Haas, Rainer: *See—*
  Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, 4,852,595, Cl. 134-144.000.
  Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, 4,852,804, Cl. 239-121.000.
Haas, Rainer D., to Hans Hollmuller Maschinenbau GmbH & Co. Method for etching materials. 4,806,192, 2-21-89, Cl. 156-345.000.
Haas, Roland; Brandenstein, Manfred; Herrmann, Gerhard; and Thurn, Karl, to SKF GmbH. Ring-shaped machine part. 4,848,938, 7-18-89, Cl. 384-537.000.
Haas, Roland; Mause, Elmar; Buchelmaier, Hans-Joachim; and Brandenstein, Manfred, to SKF GmbH. Contact free seal for a bearing. 4,865,469, 9-12-89, Cl. 384-478.000.
Haas, Roland: *See—*
  Brandenstein, Manfred; Ernst, Horst M.; Haas, Roland; Neder, Gunter; and Stork, Josef, 4,816,124, Cl. 384-208.000.
  Brandenstein, Manfred; Haas, Roland; Friedrich, Wolfgang; and Herrmann, Gerhard, 4,872,768, Cl. 384-223.000.
  Brandenstein, Manfred; Herrmann, Gerhard; and Haas, Roland, 4,889,520, Cl. 474-135.000.
Haas, Ronald T., to Oratech Pharmaceutical Development Corporation. Water soluble ibuprofen compositions and methods of making them. 4,859,704, 8-22-89, Cl. 514-557.000.
Haas, Ronald T., to Oratech Pharmaceutical Development Corporation. Liquid ibuprofen compositions and methods of making them. 4,861,797, 8-29-89, Cl. 514-557.000.
Haas, Ruediger: *See—*
  Dassler, Hans-Ulrich; Haas, Ruediger; Loeffler, Gerhard; and Liebers, Lutz, 4,807,995, Cl. 350-240.000.
Haas, Terry: *See—*
  Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, 4,832,463, Cl. 350-357.000.

  Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, 4,876,628, Cl. 361-313.000.
Haase, Dieter; and Spiratos, Nelu, to Handy Chemicals Ltd. Method for producing aqueous solutions of basic poly aluminum sulphate. 4,877,597, 10-31-89, Cl. 423-556.000.
Haase, Helmut: *See—*
  Angelis, Jurgen; Scherf, Hartmut; and Haase, Helmut, 4,845,414, Cl. 318-434.000.
Haase, Jorg: *See—*
  Guth, Christian; Haase, Jorg; and Stehlin, Albert, 4,844,710, Cl. 8-127.100.
Haase, Peter; Kosikowski, Thomas; and Steger, Horst, to Schering Aktiengesellschaft. Method and device for feeding plate shaped objects into and from suspension frames of an installation for chemical treatment in baths, particularly in electroplating baths installation. 4,874,479, 10-17-89, Cl. 204-27.000.
Haase, Wayne C.: *See—*
  Segal, Jerome; Corl, Paul D.; and Haase, Wayne C., 4,869,263, Cl. 128-692.000.
Haasen, Rolf: *See—*
  Hermanns, Ferdinand-Josef; and Haasen, Rolf, 4,805,844, Cl. 242-18.0DD.
Haasl, William D., to Brunswick Corporation. Mounting assembly with trim plate for outboard motors. 4,836,124, 6-6-89, Cl. 114-285.000.
Haass, Adolf, to Siemens Aktiengesellschaft. Circuit arrangement for testing the operability of the data transmission facility. 4,852,082, 7-25-89, Cl. 370-32.000.
Haast, William E. Lyophilization containers. 4,878,597, 11-7-89, Cl. 220-404.000.
Haba, Anthony R., Jr.; Clough, S. Craig; Koeske, Ronald E.; and Maxwell, Richard P., Jr., to GMF Robotics Corporation. Method for automated assembly of assemblies such as automotive assemblies. 4,815,190, 3-28-89, Cl. 29-430.000.
Habara, Atsushi, to Kabushiki Kaisha Toshiba. Data processing device for use in scintillation camera apparatus. 4,858,151, 8-15-89, Cl. 364-527.000.
Habara, Hideaki: *See—*
  Itoh, Hajime; Takahashi, Hiroshi; Ohbori, Kouji; and Habara, Hideaki, 4,869,857, Cl. 264-41.000.
  Sugimori, Shuichi; Kawamura, Tomihiko; Matsuda, Tadashi; Nakano, Shintaro, deceased; Saiki, Sumito; and Habara, Hideaki, 4,801,386, Cl. 210-680.000.
  Sugimori, Teruhiko; Suzuki, Fumio; Habara, Hideaki; and Inada, Hiromasa, 4,874,841, Cl. 528-491.000.
  Sugimori, Teruhiko; Tajiri, Noriyuki; Suzuki, Fumio; Habara, Hideaki; Fukuda, Yutaro; and Sato, Haruki, 4,880,877, Cl. 525-84.000.
Habata, Hidetsugu: *See—*
  Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Koto; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, 4,873,070, Cl. 423-345.000.
Habata, Keiichi: *See—*
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Habbab, Isam M. I.; Kavehrad, Mohsen; and Sundberg, Carl-Erik, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Packet switched interconnection protocols for a star configured optical lan. 4,797,879, 1-10-89, Cl. 370-3.000.
Habbe, Randall G.; and Bockstruck, Herman N., to Olin Corporation. Bullet with reverse taper interlock jacket and method of manufacturing the bullet. 4,856,160, 8-15-89, Cl. 29-1.230.
Habbersett, John I.: *See—*
  Westfall, Norman R.; Martini, James A.; and Habbersett, John I., 4,799,333, Cl. 49-446.000.
  Westfall, Norman R.; Milligan, Patrick E.; Habbersett, John I.; and Dense, Brian S., 4,800,680, Cl. 49-429.000.
  Westfall, Norman R.; Martini, James A.; and Habbersett, John I., 4,885,871, Cl. 49-176.000.
Habe, Tsuyoshi: *See—*
  Kanno, Tatsuya; Takahashi, Ikuo; Sasaki, Kenichi; Habe, Tsuyoshi; and Sei, Tsuyoshi, 4,831,110, Cl. 528-204.000.
Habeck, James E.: *See—*
  Schmidt, Arnold W., Jr.; and Habeck, James E., 4,828,310, Cl. 294-153.000.
Habecker, Charles M.: *See—*
  Baldwin, John J.; Habecker, Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., 4,847,289, Cl. 514-445.000.
Habecker, Charles N.: *See—*
  Ponticello, Gerald S.; and Habecker, Charles N., 4,820,848, Cl. 549-23.000.
Habeeb, Jacob J.; Blahey, Alan G.; and Rogers, William N., to Exxon Research and Engineering Company. Method of reducing the wear of metal and ceramic surfaces. 4,826,612, 5-2-89, Cl. 252-32.70E.
Habeeb, Jacob J.; and May, Christopher J., to Exxon Research and Engineering Company. Antiwear additives for lubricating oils. 4,867,892, 9-19-89, Cl. 252-42.700.
Habeger, Charles C., Jr.: *See—*
  Baum, Gary A.; and Habeger, Charles C., Jr., 4,841,223, Cl. 324-58.50A.
Habco Corporation Ltd.: *See—*
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Habenstein, Klaus: *See—*
  Friesen, Heinz-Jurgen; Grenner, Gerd; Pauly, Hans-Erwin; Kohl, Helmut; Habenstein, Klaus; and Stark, Joseph, 4,861,711, Cl 436-7.000.
Haber, Andrew J., to Harris Corporation. Method and apparatus for cellular division. 4,860,241, 8-22-89, Cl. 364-761.000.
Haber, Edgar; Mudgett-Hunter, Meredith; and Margolies, Michael, to General Hospital Corporation, The. Monoclonal antidigoxtin antibodies. 4,803,167, 2-7-89, Cl. 435-240.270.
Haber, Robert H., to D. W. Haber & Son, Inc. Tiered compote tray. 4,823,966, 4-25-89, Cl. 211-128.000.
Haber, Stephen B., to Du Pont de Nemours, E. I., and Company. 2,3-diaryl-5-bromothiophene compounds of use for the treatment of inflammaton and dysmenorrhea. 4,820,827, 4-11-89, Cl. 549-78.000.
Haber, Terry M., to Habley Medical Technology Corporation. Syringe, having self-contained, sterile, medication applying swab. 4,799,926, 1-24-89, Cl. 604-187.000.
Haber, Terry M.; and Smedley, William H., to C. R. Bard, Inc. Handheld instrument for implanting, dispensing, and inflating an inflatable membrane. 4,802,479, 2-7-89, Cl. 128-344.000.
Haber, Terry M.; Smedley, William H.; and Foster, Clark B., to Habley Medical Technology Corporation. Disease control syringe having a retractable needle. 4,804,370, 2-14-89, Cl. 604-195.000.
Haber, Terry M.; Foster, Clark B.; and Smedley, William H., to Habley Medical Technology Corporation. Disposable safety syringe having means for retracting its needle cannula into its medication cartridge. 4,808,169, 2-28-89, Cl. 604-195.000.
Haber, Terry M.; and Foster, Clark B., to Habley Medical Technology Corp. Linear and Vernier-type syringe. 4,810,249, 3-7-89, Cl. 604-210.000.
Haber, Terry M.; Foster, Clark B.; Smedley, William H.; and Lewis, John A., Jr., to Habley Medical Technology Corporation. Shielded safety syringe having a retractable needle. 4,813,426, 3-21-89, Cl. 128-763.000.
Haber, Terry M.; Lewis, John A.; and Foster, Clark B., to Habley Medical Technology Corporation. Urinary catheter. 4,813,935, 3-21-89, Cl. 604-99.000.
Haber, Terry M.; Foster, Clark B.; and Lewis, John A., Jr., to Habley Medical Technology Corporation. Retractable needle syringe with integral spring. 4,820,275, 4-11-89, Cl. 604-198.000.
Haber, Terry M.; Smedley, William H.; and Foster, Clark B., to Habley Medical Technology Corporation. Disease control syringe having a retractable needle. 4,826,484, 5-2-89, Cl. 604-110.000.
Haber, Terry M.; Foster, Clark B.; and Smedley, William H., to Habley Medical Technology Corporation. Disposable safety syringe having means for retracting its needle cannula into its medication cartridge. 4,826,489, 5-2-89, Cl. 604-195.000.
Haber, Terry M.; and Smedley, William H., to C.R. Bard, Inc. Apparatus for hypodermically implanting a genitourinary prosthesis. 4,832,680, 5-23-89, Cl. 600-31.000.
Haber, Terry M.; Smedley William H.; and Foster, Clark B., to Habley Medical Technology Corporation. Disposable, pre-sterilizable syringe for a pre-filled medication cartridge. 4,834,717, 5-30-89, Cl. 604-193.000.
Haber, Terry M.; Maze, Jack E.; and Crouse, Roger R., to Sherwood Medical Co., a part interest. Removable needle attachment having a detachable needle. 4,836,870, 6-13-89, Cl. 604-187.000.
Haber, Terry M., to C. R. Bard, Inc. Manually adjustable sphincteric system. 4,846,784, 7-11-89, Cl. 600-29.000.
Haber, Terry M.; and Foster, Clark B., to Habley Medical Technology Corporation. Safety syringe having a needle to be retracted and canted within a protective sleeve. 4,846,808, 7-11-89, Cl. 604-195.000.
Haber, Terry M.; and Smedley, William H., to Habley Medical Technology Corporation. Gastrostomy valve. 4,850,953, 7-25-89, Cl. 600-32.000.
Haber, Terry M.; and Lewis, John A., to Habley Medical Technology Corporation. Collapsible blood collector. 4,867,172, 9-19-89, Cl. 128-763.000.
Haberberger, Vitus, to Siemens Aktiengesellschaft. Seal. 4,836,560, 6-6-89, Cl. 277-88.000.
Haberer, Herbert, to Siemens Aktiengesellschaft. Circuit arrangement for the transmission of data signals. 4,881,242, 11-14-89, Cl. 375-118.000.
Haberer, Johann: *See—*
  Bauer, Karlheinz; Haberer, Johann; and Arzberger, Maximilian, 4,834,197, Cl. 175-91.000.
Haberey, Martin: *See—*
  Bittler, Dieter; Nickisch, Klaus; Laurent, Henry; Wiechert, Rudolf; and Haberey, Martin, 4,868,166, Cl. 514-173.000.
Haberhauer, Karl; Feyerabend, Klaus D.; Heitzmann, Bruno; Lieberenz, Alfred; and Schimmel, Harry, to Spiess Kunstoff-Recycling GmbH & Co. Grid plate of plastic material. 4,826,351, 5-2-89, Cl. 404-35.000.
Haberkorn, Egon, to W. Schlafhorst & Co. Apparatus for freeing the bottom wraps and the downwinds of yarn from a textile bobbin. 4,824,037, 4-25-89, Cl. 242-35.60E.
Haberland, Ernest R., to Hughes Aircraft Company. Lead frame short tester. 4,833,396, 5-23-89, Cl. 324-73.0PC.
Haberle, Friedrich: *See—*
  Kress, Dieter; and Haberle, Friedrich, 4,838,136, Cl. 82-20.000.
Haberle, Fritz: *See—*
  Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, 4,860,173, Cl. 362-61.000.
  Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, 4,866,577, Cl. 362-80.000.
Haberle, Hermann, to Romer GmbH. Helmet with three-point chin strap. 4,856,119, 8-15-89, Cl. 2-417.000.
Haberle, Norman; Reutter, Anneliese; and Kinzel, Peter, to Dow Chemical Company, The. 1-substituted phenyl-3-substituted methyl-

- pyrrolidine-2,5-diones and plant fungicide compositions containing same. 4,847,285, 7-11-89, Cl. 514-425.000.
- Haberle, Walter. Screw for easily engaging the internal thread of a tapped hole. 4,822,225, 4-18-89, Cl. 411-306.000.
- Habermann, Helmut, to Societe Anonyme: Societe de Mecanique Magnetique. Electromagnetic device for reducing vibration in a rotary machine fitted with fluid bearings. 4,806,835, 2-21-89, Cl. 318-607.000.
- Habermann, Helmut, to Societe de Mecanique Magnetique. Hybrid fluid bearing with stiffness modified by electromagnetic effect. 4,827,169, 5-2-89, Cl. 310-90.500.
- Habermann, Helmut; Brunet, Maurice; and Gerbier, Alain, to Societe Anonyme dite: Societe Europeenne de Propulsion. Active radial magnetic bearing with solid rotor for damping critical frequencies. 4,866,318, 9-12-89, Cl. 310-90.500.
- Habermann, Joachim: *See—*
  - Braun, Walter; and Habermann, Joachim, 4,872,185, Cl. 375-106.000.
- Habermann, Patrick R. Expandable easel. 4,856,749, 8-15-89, Cl. 248-448.000.
- Habermann, Wolfgang; Engelhardt, Hubert; Geiger, Wolfgang; Mayer, Udo; Hammes, Peter; and Simmler, Werner, to BASF Aktiengesellschaft. Catalytic degradation of oxidizable organic and inorganic compounds in waters. 4,828,718, 5-9-89, Cl. 210-763.000.
- Haberrecker, Klaus, to Siemens Aktiengesellschaft. X-radiator with non-migrating focal spot. 4,819,260, 4-4-89, Cl. 378-137.000.
- Haberrecker, Klaus; and Roth, Rainer, to Siemens Aktiengesellschaft. X-radiator with circulating pump for heat dissipation. 4,841,557, 6-20-89, Cl. 378-141.000.
- Haberstroh, Karl. Device for cleaning cans. 4,880,021, 11-14-89, Cl. 134-62.000.
- Haberstroh, Robert W., to Ford Motor Company. Protective cover for flexible joint. 4,848,950, 7-18-89, Cl. 403-12.000.
- Haberthur, Walter, to Bron Elektronik AG. Mount for photographic lighting equipment. 4,811,923, 3-14-89, Cl. 248-278.000.
- Habib, Mohammed K. Perpetual calendar. 4,813,707, 3-21-89, Cl. 253-2.000.
- Habib, Wagdi W.: *See—*
  - Nowak, George M.; and Habib, Wagdi W., 4,834,731, Cl. 604-339.000.
- Habich, Dieter; Hartwig, Wolfgang; Metzger, Karl G.; and Zeiler, Hans-Joachim, to Bayer Aktiengesellschaft. Benzazolythio-carbapenem antibiotics. 4,840,946, 6-20-89, Cl. 514-210.000.
- Habich, Dieter; and Hartwig, Wolfgang, to Bayer Aktiengesellschaft. Process for the preparation of carbapenem intermediates. 4,841,042, 6-20-89, Cl. 540-200.000.
- Habich, Dieter; and Hartwig, Wolfgang, to Bayer Aktiengesellschaft. Process for the preparation of 2,3-epoxyamides. 4,849,531, 7-18-89, Cl. 549-520.000.
- Habich, Dieter; Hartwig, Wolfgang; Metzger, Karl G.; and Zeiler, Hans-Joachim, to Bayer Aktiengesellschaft. Substituted 6-hydroxymethyl-carbapenem antibiotics. 4,863,916, 9-5-89, Cl. 514-210.000.
- Habicht, Helmut. Apparatus for lifting and tilting drums of flowable material. 4,797,050, 1-10-89, Cl. 414-420.000.
- Habicht, Siegfried; Reppert, Rainer; and Hocker, Eitel-Friedrich, to Schuco International GmbH & Co. Impact-impeding pane/frame structure. 4,879,957, 11-14-89, Cl. 109-79.000.
- Habig, Klaus; Taschner, Wolfgang; and Wolfle, Wilfried, to Aesculap-Werke AG vormals Jetter & Scheerer. Locking mechanism. 4,796,778, 1-10-89, Cl. 220-315.000.
- Habing, Theodore G.; and Richards, Norman M., to Pacific Fitness Corporation. Exercise apparatus. 4,844,456, 7-4-89, Cl. 272-134.000.
- Habitation: *See—*
  - Isola, Richard A., 4,875,245, Cl. 5-482.000.
- Habitec International, Inc.: *See—*
  - Schmidt, Arnold W., Jr.; and Habeck, James E., 4,828,310, Cl. 294-153.000.
- Habitzreiter, Richard K.: *See—*
  - Cate, Grant M.; Habitzreiter, Richard K.; Lovelady, Kenneth T.; and Woolston, Mark S., 4,845,761, Cl. 382-1.000.
  - Guthmueller, Rodney K.; and Habitzreiter, Richard K., 4,822,986, Cl. 235-462.000.
- Habley Medical Technology Corporation: *See—*
  - Haber, Terry M., 4,799,926, Cl. 604-187.000.
  - Haber, Terry M.; Smedley, William H.; and Foster, Clark B., 4,804,370, Cl. 604-195.000.
  - Haber, Terry M.; Foster, Clark B.; and Smedley, William H., 4,808,169, Cl. 604-195.000.
  - Haber, Terry M.; and Foster, Clark B., 4,810,249, Cl. 604-210.000.
  - Haber, Terry M.; Foster, Clark B.; Smedley, William H.; and Lewis, John A., Jr., 4,813,426, Cl. 128-763.000.
  - Haber, Terry M.; Lewis, John A.; and Foster, Clark B., 4,813,935, Cl. 604-99.000.
  - Haber, Terry M.; Foster, Clark B.; and Lewis, John A., Jr., 4,820,275, Cl. 604-198.000.
  - Haber, Terry M.; Smedley, William H.; and Foster, Clark B., 4,826,484, Cl. 604-110.000.
  - Haber, Terry M.; Foster, Clark B.; and Smedley, William H., 4,826,489, Cl. 604-195.000.
  - Haber, Terry M.; Smedley, William H.; and Foster, Clark B., 4,834,717, Cl. 604-193.000.
  - Haber, Terry M.; and Foster, Clark B., 4,846,808, Cl. 604-195.000.
  - Haber, Terry M.; and Smedley, William H., 4,850,953, Cl. 600-32.000.
  - Haber, Terry M.; and Lewis, John A., 4,867,172, Cl. 128-763.000.
- Hablitzel, Heinz: *See—*
  - Ulmer, Rolf; Muller, Alfred; Hugger, William; and Hablitzel, Heinz, 4,830,241, Cl. 224-42.200.
- Hablutzel, Bruno: *See—*
  - Rebsamen, Arthur; and Hablutzel, Bruno, 4,796,418, Cl. 57-22.000.
- Habraken, Egidius A. P.: *See—*
  - Borgers, Stephanus M. C.; Habraken, Egidius A. P.; and Woudsma, Roberto, 4,831,440, Cl. 358-133.000.
  - Woudsma, Roberto; Chong, David C. H.; McSweeney, Brian T.; Borgers, Stephanus M. C.; and Habraken, Egidius A. P., 4,881,192, Cl. 364-725.000.
- Habraken, Johannes C., to U.S. Philips Corp. Soldering apparatus. 4,796,796, 1-10-89, Cl. 228-37.000.
- Habrich, Reiner; and Bayer, Heiner, to Siemens Aktiengesellschaft. Method and apparatus for processing UV-hardenable reaction resin compounds. 4,880,662, 11-14-89, Cl. 427-54.100.
- Habu, Yasuhiro: *See—*
  - Itoyama, Seiji; Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Bessho, Nagayasu; and Fujii, Tetsuya, 4,817,702, Cl. 164-432.000.
  - Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Oka, Hiromu; Ueda, Tsunehiro; Koshikawa, Takao; Kishimoto, Hideaki; and Shimokawa, Fumitaka, 4,806,163, Cl. 106-38.220.
- Habuto, Akinaka: *See—*
  - Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Oiso, Hisayoshi; Joyama, Norio; and Fujimoto, Kazuhiro, 4,857,354, Cl. 426-558.000.
- Hacegawa, Toshiyuki: *See—*
  - Azuma, Toshiro; and Hacegawa, Toshiyuki, 4,798,259, Cl. 180-233.000.
- Haces, Alberto: *See—*
  - Driscoll, John S.; Haces, Alberto; and Breitman, Theodore, 4,882,346, Cl. 514-389.000.
- Hach, Clifford C.; and Wasson, John G., to Hach Company. System and method for quantitative analysis of a solution. 4,865,992, 9-12-89, Cl. 436-51.000.
- Hach, Clifford C.; and Gawlik, Keith M., to Hach Company. Programmable fertilizer application system. 4,878,614, 11-7-89, Cl. 239-10.000.
- Hach Company: *See—*
  - Hach, Clifford C.; and Wasson, John G., 4,865,992, Cl. 436-51.000.
  - Hach, Clifford C.; and Gawlik, Keith M., 4,878,614, Cl. 239-10.000.
- Hache, Jean-Michel: *See—*
  - Wraight, Peter D.; Marienbach, Edouard; Hache, Jean-Michel; Rhein-Knudsen, Erik; and Evans, Mike, 4,814,609, Cl. 250-254.000.
  - Wraight, Peter D.; Marienbach, Edouard; Hache, Jean-Michel; Rhein-Knudsen, Erik; and Evans, Mike, 4,879,463, Cl. 250-270.000.
- Hachisuka, Hiroshi, to Aisin Seiki Kabushiki Kaisha. Hydraulic power steering valve with three-orifice reactive chamber pressure control. 4,803,913, 2-14-89, Cl. 91-371.000.
- Hachiya, Iwao: *See—*
  - Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuya; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.
- Hachiya, Satoshi; Uchida, Shunji; and Hashimoto, Kenji, to Idemitsu Kosan Company Limited. Liquid-crystalline polymer. 4,877,85 10-31-89, Cl. 528-100.000.
- Hachiya, Satoshi: *See—*
  - Morita, Kazuharu; Uchida, Shunji; and Hachiya, Satoshi, 4,818,80 Cl. 528-191.000.
- Hachiya, Terumi: *See—*
  - Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.
- Hachman, John T.: *See—*
  - Bonivert, William D.; Farmer, Joseph C.; and Hachman, John T., 4,812,210, Cl. 204-1.00T.
- Hachmann, Henning: *See—*
  - Wissmann, Hans; Hachmann, Henning; Simons, Guido; and Strecker, Helmut, 4,814,484, Cl. 560-39.000.
- Hachmeister, Bernd: *See—*
  - Schoen, Uwe; Kehrbach, Wolfgang; Hachmeister, Bernd; Buchmann, Gerd; and Kuehl, Ulrich G., 4,879,299, Cl. 514-286.000.
- Hachtel, Hans: *See—*
  - Gschwend, Hans; Hachtel, Hans; and Wanger, Werner, 4,840,57 Cl. 411-344.000.
- Hachtel, Hansjorg: *See—*
  - Dobler, Klaus; and Hachtel, Hansjorg, 4,866,418, Cl. 340-429.000.
- Hack, J. Roy, Jr. Emergency fuel system apparatus. 4,874,013, 10-17-89, Cl. 137-571.000.
- Hack, J. Roy, Jr. Vent apparatus for fuel injection system. 4,878,67 11-7-89, Cl. 123-516.000.
- Hack, James R., to Sanders Associates, Inc. Circuit for improving the resolution in electrostatic printers. 4,828,407, 5-9-89, Cl. 400-119.000.
- Hack, Joachim: *See—*
  - Gruehn, Dietrich; Hack, Joachim; Fehrenbach, Hubert; Rudolf, Peter; and Holl, Norbert, 4,796,137, Cl. 360-133.000.
- Hack, Michael G.: *See—*
  - Czubatyj, Wolodymyr; Hack, Michael G.; and Shur, Michael, 4,882,295, Cl. 437-101.000.
- Hack, Robert; Peter, Ralf; and Polhede, Wilhelm, to Arthur Pfeiffer Vakuumtechnik Wetzlar GmbH. Heat treatment of materials. 4,850,576, 7-25-89, Cl. 266-208.000.

- Hackbarth, Edward: *See—*
  - Chuang, Ching-Te K.; Hackbarth, Edward; and Tang, Denny D., 4,864,539, Cl. 365-155.000.
- Hacke, Hans J.: *See—*
  - Groeber, Alfred; Hadersbeck, Hans; Mueller, Fritz; Zukier, Hubert; and Hacke, Hans J., 4,795,694, Cl. 430-314.000.
- Hackel, Ronald L., to Diversified Enterprises of America, Inc. Ice fishing hole cover and tip up. 4,845,878, 7-11-89, Cl. 43-17.000.
- Hacker, David C., to Norand Corporation. Automatic control means providing a low-power responsive signal, particularly for initiating data preservation operation. 4,845,419, 7-4-89, Cl. 320-39.000.
- Hacker, Hans-Eugen; and Defranceski, Peter, to Hermann Wangner GmbH & Co. KG. Mechanism for separating threads held in an array. 4,866,821, 9-19-89, Cl. 28-141.000.
- Hacker, Haus-Eugen, to Hermann Wangner GmbH & Co., KG. Auxiliary device for a seam weaving machine for joining the ends of flat-woven fabrics. 4,862,566, 9-5-89, Cl. 28-141.000.
- Hacker, Heinz: *See—*
  - Kleeberg, Wolfgang; Hacker, Heinz; Huber, Jurgen; Wilhelm, Dieter; and Laupenmuhlen, Heinz K., 4,812,490, Cl. 523-443.000.
- Hacker, Jay P.; and Laukhuf, Rodney A., to Navistar International Transportation Corp. Rear quarter panel forming integral cab extender. 4,883,307, 11-28-89, Cl. 296-180.200.
- Hacker, Martin E.: *See—*
  - Rotolico, Anthony J.; Sela, Lawrence A.; Hacker, Martin E.; and Maidhof, William H., 4,865,252, Cl. 239-8.000.
  - Willen, William S.; Savill, Robert F., Jr.; and Hacker, Martin E., 4,853,515, Cl. 219-121.470.
- Hacker, Michael G.: *See—*
  - Fasnacht, Floyd A., Jr.; Hacker, Michael G.; Lindsey, Orville L.; and Smentek, Thomas J., 4,868,798, Cl. 367-104.000.
- Hacker, Miles P.: *See—*
  - Farrell, Nicholas; Hacker, Miles P.; McCormack, John J.; and DeAlmeida, Sergio G., 4,797,393, Cl. 514-188.000.
  - Farrell, Nicholas; Hacker, Miles P.; McCormack, John J.; and DeAlmeida, Sergio G., 4,871,729, Cl. 514-188.000.
- Hackert, Kenneth. Portable corral assembly and method for transporting same. 4,821,679, 4-18-89, Cl. 119-20.000.
- Hackett, Adeline J.; and Dairkee, Shahnaz H., to Peralta Cancer Research Institute. Hybridoma cell line XMMBR-B14 and monoclonal antibody which is specific for a non-cross reactive epitope of CEA. 4,853,464, 8-1-89, Cl. 530-387.000.
- Hackett, Adeline J.: *See—*
  - Hancock, Miriam E. C.; Smith, Helene S.; and Hackett, Adeline J., 4,816,395, Cl. 435-29.000.
- Hackett, Gail D.: *See—*
  - Napier, John M.; Hancher, Charles M.; and Hackett, Gail D., 4,814,091, Cl. 210-665.000.
- Hackett, Jeffrey K., to Hackett, Jeffrey K. Load leveling shock absorber. 4,877,223, 10-31-89, Cl. 267-64.170.
- Hackett, Kenneth R., to Interactive Technologies, Inc. Integrated alarm transponder. 4,885,568, 12-5-89, Cl. 340-518.000.
- Hackett, Malcolm J.; and Kalkipsakis, Charalambos G., to Courtaulds Packaging Australia Limited. Forming small flexible containers. 4,856,261, 8-15-89, Cl. 53-469.000.
- Hackett, Robert R.; Kenepp, Gregory S.; Luniewicz, Michael M.; and Swim, Martin L., to Integrated Network Corporation. Digital data communications terminal and modules therefor. 4,849,972, 7-18-89, Cl. 370-110.100.
- Hackett, Steven B. Scaffolding connector apparatus. 4,840,513, 6-20-89, Cl. 403-49.000.
- Hackforth GmbH & Co. KG: *See—*
  - Reichardt, Peter, 4,795,402, Cl. 464-74.000.
- Hacking, Andrew J.: *See—*
  - Rathbone, Elner B.; Mufti, Khizar S.; Khan, Riaz A.; Cheetham, Peter S. J.; Hacking, Andrew J.; and Dordick, Jonathan S., 4,826,962, Cl. 536-122.000.
- Hacking, Douglas: *See—*
  - Bevan, Christopher G.; and Hacking, Douglas, 4,818,202, Cl. 425-90.000.
- Hackl, Franz; and Wohrer, Franz, to Siemens Aktiengesellschaft. Measuring apparatus for determining the countervoltage of electric motors. 4,810,955, 3-7-89, Cl. 324-158.0MG.
- Hackl, Franz; Spitaler, Wolfgang; and Wohrer, Franz, to Siemens Aktiengesellschaft. Device for controlling the field current of DC motors. 4,845,413, 7-4-89, Cl. 388-802.000.
- Hackl, Herbert: *See—*
  - Nied, Roland; and Hackl, Herbert, 4,804,146, Cl. 241-5.000.
- Hackl, Ralph P.; Wright, Frank R.; and Bruynesteyn, Albert, to Giant Bay Biotech Inc. Adapting bacteria to low pH and high arsenic concentration for use in oxidizing sulfide ores. 4,888,293, 12-19-89, Cl. 435-245.000.
- Hackler, Emily S.: *See—*
  - Sparks, John M.; and Hackler, Emily S., 4,824,234, Cl. 351-158.000.
- Hackler, Erich: *See—*
  - Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich, Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Stein, Hermann, 4,828,806, Cl. 423-213.500.
- Hackler, Lewis R., to Allied-Signal Inc. Binder powder carpet fiber. 4,871,604, 10-3-89, Cl. 428-96.000.
- Hackmack, Alfred. Milling device. 4,803,789, 2-14-89, Cl. 37-117.500.
- Hackmack, Alfred. Surface working accessory and method. 4,852,946, 8-1-89, Cl. 299-10.000.
- Hackmack, Alfred. Slit trencher. 4,861,199, 8-29-89, Cl. 405-267.000.
- Hackman, Donald J.: *See—*
  - Easter, David A.; Hackman, Donald J.; Dick, William R.; and Reidy, John J., 4,869,136, Cl. 81-55.000.
- Hackman, Larry P.: *See—*
  - Shelfantook, William E.; Hyndman, Alexander W.; and Hackman, Larry P., 4,859,317, Cl. 208-391.000.
- Hackman, Lloyd E.; Dickson, James; Dunlap, David L.; and Handshey, Mark E., to Ribbon Technology Corporation. Melt overflow system for producing filamentary and film products directly from molten materials. 4,813,472, 3-21-89, Cl. 164-463.000.
- Hackmann, Ludger; Pohlmann, Guenther; Seifert, Viktor; and Weid, Johannes, to Bramlage Gesellschaft mit beschraenkter Haftung. Dispenser. 4,832,229, 5-23-89, Cl. 221-25.000.
- Hacksell, Uli A.: *See—*
  - Arvidsson, Folke L. E.; Carlsson, Per A. E.; Hacksell, Uli A.; Hjorth, John S. M.; Johansson, Anette M.; and Lindberg, Per L., 4,876,284, Cl. 514-657.000.
- Hackstein, Karl G.: *See—*
  - Hezel, Rudolf; and Hackstein, Karl G., 4,828,628, Cl. 136-255.000.
- Hackstein, Karl-Gerhard; and Hezel, Rudolf, to Nukem GmbH. Solar cell. 4,886,555, 12-12-89, Cl. 136-255.000.
- Haczynski, Roger W.: *See—*
  - Boyer, Peter W.; and Haczynski, Roger W., 4,794,681, Cl. 29-156.70A.
  - Boyer, Peter W.; and Haczynski, Roger W., 4,862,786, Cl. 91-26.000.
- Hada, Hiroshi: *See—*
  - Iwakawa, Tsunekiyo; Hada, Hiroshi; and Nakamura, Tadashi, 4,859,910, Cl. 315-169.100.
- Hada, Mitsue: *See—*
  - Nishida, Konosuke; Hada, Mitsue; and Hiki, Shozo, 4,877,534, Cl. 210-691.000.
- Hadad, Ronald E. Arm-knee and leg guard for desks and file cabinets. 4,883,332, 11-28-89, Cl. 312-330.100.
- Hadak Security AB: *See—*
  - Kallstrom, Krister, 4,814,217, Cl. 428-70.000.
- Hadank, Walter R.: *See—*
  - Gudmundson, Gunnar G.; Hebert, Martin E.; Hadank, Walter R.; Crochetiere, Raymond H.; and Kenyon, Douglas A., 4,821,061, Cl. 355-40.000.
- Hadano, Yoshikazu; Tsunoda, Eiji; and Kajigaya, Ichiro, to Electric Power Research Institute Inc. Steam turbine plant. 4,873,827, 10-17-89, Cl. 60-646.000.
- Hadar, Uzi: *See—*
  - Halfon, Yosef; and Hadar, Uzi, 4,881,606, Cl. 177-126.000.
- Hadary, Joseph. Toothpick holder. 4,832,750, 5-23-89, Cl. 132-328.000.
- Hadass Firing Range Systems Limited: *See—*
  - Tessel, Mordechai, 4,828,269, Cl. 273-373.000.
- Hadassa Medical Organization: *See—*
  - Vlodavsky, Israel; Eldor, Amiram; Naparstek, Yaakov; and Cohen, Irun R., 4,882,318, Cl. 514-56.000.
- Hadassah Medical Organization: *See—*
  - Barenholz, Yechezkel; and Gabizon, Alberto, 4,797,285, Cl. 424-450.000.
  - Barenholz, Yechezkel; and Yechiel, Elishalom, 4,812,314, Cl. 424-450.000.
- Hadaway, Bernard M.: *See—*
  - Wingate-Hill, Robin; and Hadaway, Bernard M., 4,875,511, Cl. 144-208.00R.
- Hadaway, Robert A.: *See—*
  - Kalnitsky, Alexander; King, Michael I. H.; and Hadaway, Robert A., 4,868,618, Cl. 357-23.500.
- Haddad, Edward N., Jr.: *See—*
  - Goldstein, Harvey R.; and Haddad, Edward N., Jr., 4,874,196, Cl. 296-98.000.
- Haddad, Ihsan A.: *See—*
  - Goor, Daniel; Mohr, Raphael; Haddad, Ihsan A.; and Oliver, William R., 4,798,211, Cl. 128-668.000.
- Haddad, James H.; Owen, Hartley; and Schatz, Klaus W., to Mobil Oil Corp. Method and apparatus for withdrawal of small catalyst particles in FCC systems. 4,810,360, 3-7-89, Cl. 208-152.000.
- Haddad, James H.; and Owen, Hartley, to Mobil Oil Corporation. Apparatus for mixing fluid catalytic cracking hydrocarbon feed and catalyst. 4,820,493, 4-11-89, Cl. 422-143.000.
- Haddad, James H.; and Owen, Hartley, to Mobil Oil Corp. Method and apparatus for removing small catalyst particles in FCC systems. 4,853,107, 8-1-89, Cl. 208-152.000.
- Haddad, James H.; Owen, Hartley; and Schatz, Klaus W. Process and apparatus for catalytic cracking of residual oils. 4,875,994, 10-24-89, Cl. 208-113.000.
- Haddad, Muin S.; and Schimandle, John J., to Amoco Corporation. Boronaaronate molecular sieve. 4,855,270, 8-8-89, Cl. 502-64.000.
- Haddadin, Makhluf J.: *See—*
  - Issidorides, Costas H.; and Haddadin, Makhluf J., 4,866,175, Cl. 544-355.000.
- Hadden, Terrence B. Drill guide. 4,836,720, 6-6-89, Cl. 408-112.000.
- Haddock, Ernest: *See—*
  - Wilson, John R. H.; and Haddock, Ernest, 4,877,802, Cl. 514-365.000.
- Haddock, John T.; Miller, Charles A.; Moist, Stanford C., Jr.; Nauman, Warren D.; and Pala, Ronald S., to AMP Incorporated. Lanyard for disconnecting a connector of a cable assembly. 4,881,911, 11-21-89, Cl. 439-484.000.
- Haddock, Levi, Jr.: *See—*
  - O'Callaghan, Gary L.; Haddock, Levi, Jr.; and Cox, John D., 4,863,596, Cl. 210-230.000.

Haddock, Richard; Arnold, Joseph B.; and Drexler, Jerome, to Drexler Technology Corporation. Method for forming data cards with registered images. 4,818,852, 4-4-89, Cl. 235-488.000.

Haddock, Richard, to Drexler Technology Corporation. Multiple card recording system. 4,820,913, 4-11-89, Cl. 235-487.000.

Haddon, Merrill K.; and Moulton, Clifford H. Method and apparatus for acoustic detection of faults in underground cables. 4,835,478, 5-30-89, Cl. 324-536.000.

Haddow, Andrew J.; and Carter, Trevor, to Tioxide Group PLC. Improved mill for grinding powder and method of using. 4,832,268, 5-23-89, Cl. 241-5.000.

Hade, Donald C., Jr.; and Backer, Robert D., to Kidde Industries, Inc. Carrier track assembly for extensible and retractable boom machines. 4,809,472, 3-7-89, Cl. 52-118.000.

Hadeishi, Tetsuo, to Gruen-Optik Wetzlar GmbH. Device for the individual adjustment of the intensity of several spectral lamps. 4,815,848, 3-28-89, Cl. 356-320.000.

Hadeishi, Tetsuo: *See—*
  Oberheim, Wolfgang; and Hadeishi, Tetsuo, 4,815,847, Cl. 356-307.000.

Hadeler, Dieter; and Appeldorn, Alfred, to Licentia Patent-Verwaltungs-GmbH. Electric motor having a protector switch. 4,890,025, 12-26-89, Cl. 310-68.00C.

Haden, Grant Q.: *See—*
  Hamby, Rodney L.; Hamby, Ronald L.; and Haden, Grant Q., 4,858,802, Cl. 224-273.000.

Haden, John D.; and Duxbury, Eric, to D. H. Haden Limited. Electrical apparatus. 4,812,623, 3-14-89, Cl. 219-437.000.

Haden, Richard E., Jr.: *See—*
  Marshall, Steven F.; Haden, Richard E., Jr.; and Johnson, Darrell R., 4,838,158, Cl. 101-105.000.

Haden Schweitzer Corporation: *See—*
  Johnson, Jeffrey C.; and Carthew, Maximilian K., 4,801,262, Cl. 432-8.000.

Hadermann, Albert F.: *See—*
  Foreman, Michael R.; Hadermann, Albert F.; and Trippe, Jerry C., 4,874,528, Cl. 210-705.000.
  O'Mara, Dion P.; Hadermann, Albert F.; and Trippe, Jerry C., 4,826,728, Cl. 428-407.000.
  O'Mara, Dion P.; Hadermann, Albert F.; and Trippe, Jerry C., 4,837,249, Cl. 523-175.000.

Hadersbeck, Hans: *See—*
  Groeber, Alfred; Hadersbeck, Hans; Mueller, Fritz; Zukier, Hubert; and Hacke, Hans J., 4,795,694, Cl. 430-314.000.

Hadfield, Donald A.: *See—*
  Anderson, Malcom D.; and Hadfield, Donald A., 4,810,219, Cl. 441-80.000.

Hadfield, Robert W., to Butler Manufacturing Company. Outlet fitting. 4,883,924, 11-28-89, Cl. 174-48.000.

Hadidi, Mohamed T.; Jurkevics, Andrejs; and Linville, Andrew F., Jr., to Mobil Oil Company. Method of processing geophysical data to compensate for earth filter attenuation. 4,884,247, 11-28-89, Cl. 367-43.000.

Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., to Issledovatelski Centar "Tekom" . Molding apparatus for production of concrete box-units. 4,828,217, 5-9-89, Cl. 249-27.000.

Hadley, Daniel A.: *See—*
  McDaniel, Robert J.; and Hadley, Daniel A., 4,823,877, Cl. 166-319.000.

Hadley, Howard C., to Deere & Company. Seeding implement with a combination transport-drive wheel. 4,875,421, 10-24-89, Cl. 111-200.000.

Hadley, Mac E.: *See—*
  Hruby, Victor J.; Hadley, Mac E.; Dorr, Robert; Levine, Norman; Sugg, Elizabeth; and Cody, Wayne L., 4,866,038, Cl. 514-14.000.

Hadley, Michael S.: *See—*
  King, Francis D.; Hadley, Michael S.; and Martin, Roger T., 4,826,839, Cl. 514-214.000.
  King, Francis D.; Hadley, Michael S.; and Martin, Roger T., 4,883,874, Cl. 544-47.000.
  Orlek, Barry S.; Hadley, Michael S.; Wadsworth, Harry J.; and Rosenberg, Howard E., 4,870,081, Cl. 514-299.000.

Hadley, Richard S.; and Cade, Kenneth A. Apparatus for pelletizing materials. 4,824,352, 4-25-89, Cl. 425-168.000.

Hadley, Stephen W.: *See—*
  Wilbur, Daniel S.; and Hadley, Stephen W., 4,870,188, Cl. 548-542.000.
  Wilbut, Daniel S.; and Hadley, Stephen W., 4,876,081, Cl. 424-1.100.

Hadley, Wayne B.: *See—*
  Flickinger, Steven L.; Gutterman, Pamela R.; and Hadley, Wayne B., 4,808,816, Cl. 250-227.000.

Hadtke, Frederick, to Hercules, Incorporated. Food container. 4,844,263, 7-4-89, Cl. 206-508.000.

Hadtke, Frederick B., to Champion Spark Plug Company. Package structure for spark plugs. 4,807,747, 2-28-89, Cl. 206-327.000.

Hadtke, Frederick B.: *See—*
  Ward, David O.; Zajac, Theodore S., Jr.; and Hadtke, Frederick B., 4,806,036, Cl. 400-691.000.

Hadvary, Paul: *See—*
  Barner, Richard; Burri, Kaspar; Cassal, Jean-Marie; Hadvary, Paul; Hirth, Georges; and Muller, Klaus, 4,863,941, Cl. 514-365.000.

Hadwiger, Lee A., to Washington State University Research Foundation. Method for treating cereal crop seed with chitosan to enhance yield, root growth and stem strength. 4,886,541, 12-12-89, Cl. 71-77.000.

Hadzimihalis, Theodore M.; and Scholl, Charles H., to Nordson Corporation. Method and apparatus for applying narrow, closely spaced beads of viscous liquid to a substrate. 4,844,004, 7-4-89, Cl. 118-315.000.

Hadzoglou, James, to Orion Industries, Inc. Cellular mobile communication antenna. 4,839,660, 6-13-89, Cl. 343-715.000.

Haeberle, Ronald M., Jr.; Smith, Gaylord D.; Weber, John H.; Fisher, Roneldo L.; Gaul, David J.; and Hinze, Jay W., to Inco Alloys International, Inc.; and Owens-Corning Fiberglas Corporation. Mechanically alloyed nickel-cobalt-chromium-iron composition of matter and glass fiber method and apparatus for using same. 4,877,435, 10-31-89, Cl. 65-1.000.

Haeder, Thomas Q.; and Shelbourn, William C., to Clark Equipment Company. Auxiliary coupler pressure relief hydraulic system with pump drive ignition switch relief. 4,881,371, 11-21-89, Cl. 60-431.000.

Haeder, Wolfgang: *See—*
  Pichler, Klaus; Kunze, Dieter; Rost, Jan; and Haeder, Wolfgang, 4,808,772, Cl. 174-92.000.

Haefele, Walter: *See—*
  Eckell, Wolfgang; Guentert, Josef; Haefele, Walter; Kraemer, Manfred; Kuhn, Uwe; and Warga, Johann, 4,840,161, Cl. 123-500.000.

Haefliger, William W.: *See—*
  Watson, W. Keith R., 4,851,442, Cl. 514-553.000.

Haefner, Donald R.: *See—*
  Scharnweber, David H., Hoppie, Lyle O.; and Haefner, Donald R., 4,865,003, Cl. 123-538.000.

Haefner, Joseph F. Apparatus for erecting forms. 4,795,136, 1-3-89, Cl. 254-336.000.

Haefner, Kenneth B.; and Povlick, Thomas P., to General Electric Company. Current-loop feedback of spot welding machines. 4,849,601, 7-18-89, Cl. 219-110.000.

Haefner, Kenneth B.; Bernstein, Bruce M.; Carey, Bernard J.; and Overton, Kenneth J., to General Electric Company. Real time adaptive control for resistance spot welding process. 4,861,960, 8-29-89, Cl. 219-110.000.

Haefner, Michael E.: *See—*
  Cosentino, Patrick A.; Shea, Amy L.; Haefner, Michael E.; Ziegler, Douglas V.; Murphy, Thomas E.; and Bubie, Walter C. 4,866,638, Cl. 364-521.000.

Haeg, Steven R.; and Kraabel, Mark T., to MTS Systems Corporation. Vehicle restraint system. 4,798,088, 1-17-89, Cl. 73-669.000.

Haegele, Gerhard: *See—*
  Liedek, Egon; and Haegele, Gerhard, 4,830,775, Cl. 252-389.520.

Haelsig, Richard T.: *See—*
  Craig, Philip A.; Haelsig, Richard T.; Kent, Joan D.; and Schmoker, Duane S., 4,800,062, Cl. 376-272.000.

Haemonetics Corporation: *See—*
  Fell, Claude; Pages, Etienne; and Uhlmann, Dominique, 4,889,524, Cl. 494-12.000.
  Fischel, Richard J.; and Brumfield, Robert C., 4,808,307, Cl. 210-321.680.
  Fischel, Richard J.; and Shatzel, Albert V., 4,871,462, Cl. 210-651.000.
  Stacey, Gary R.; Verkaart, Wesley H.; Headley, Thomas D.; and Powers, Edward T., 4,795,448, Cl. 604-319.000.

Haendle, Joerg. Voice controlled x-ray diagnostics installation. 4,807,273, 2-21-89, Cl. 378-197.000.

Haendle, Jorg, to Siemens Aktiengesellschaft. X-ray diagnostic device with an X-ray converter. 4,886,970, 12-12-89, Cl. 250-484.100.

Haendler, Blanca: *See—*
  Coyne, Thomas; England, J. Bruce; Haendler, Blanca; Mitchell, Frances E.; and Steichen, Dale S., 4,863,626, Cl. 252-91.000.

Haener, Juan. Insulated interlocking building blocks. 4,854,097, 8-8-89, Cl. 52-309.110.

Haeno, Akira: *See—*
  Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
  Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumu; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.

Haensch, Egon, to Feraf AG. Method and apparatus for receiving printed products from a revolvingly driven bucket wheel of a printing machine. 4,886,264, 12-12-89, Cl. 271-229.000.

Haentjens, Walter D. Remotely removable and replaceable motor for hazardous service pump installation. 4,854,828, 8-8-89, Cl. 417-360.000.

Haentjens, Walter D.; and Stirling, Thomas E., to Barrett, Haentjens & Company. Centrifugal oxygenator and method for treatment of water. 4,877,532, 10-31-89, Cl. 210-629.000.

Haerer, Wolfgang: *See—*
  Hassler, Dietrich; Eschenbacher, Heinz; and Haerer, Wolfgang, 4,817,614, Cl. 128-660.050.

Haertel, Gunter H.: *See—*
  Koenig, Raymond A.; and Haertel, Gunter H., 4,795,791, Cl. 525-523.000.

Haertl, Christof: *See—*
  Birkholz, Ulrich; Haertl, Christof; and Nassler, Peter, 4,834,927, Cl. 264-134.000.
  Birkholz, Ulrich; Haertl, Christof; and Nassler, Peter, 4,840,249, Cl. 181-129.000.

Haessig, David A., Jr.: *See—*
  Fuchs, Charles R.; Haessig, David A., Jr.; Heckathorn, David L.; Kass, Jordan S.; Lindsay, Peter; and Volpe, Joseph J., 4,881,800, Cl. 350-500.000.

Haessner, Winfried: *See—*
  Hauser, Ludwig; and Haessner, Winfried, 4,881,327, Cl. 34-114.000.

Haeusler, Johannes, to Degussa Aktiengesellschaft. Method of preparing (R)-4-amino-3-hydroxybutyric acid. 4,886,908, 12-12-89, Cl. 562-567.000.

Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, to Siemens Aktiengesellschaft. Laser transmitter including an external optical resonator. 4,799,234, 1-17-89, Cl. 372-97.000.

Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, to Siemens Aktiengesellschaft. Laser transmitter comprising a semiconductor laser and an external resonator. 4,831,631, 5-16-89, Cl. 372-92.000.

Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, to Siemens Aktiengesellschaft. Narrowband laser transmitter having an external resonator from which the output power can be taken. 4,873,697, 10-10-89, Cl. 372-108.000.

Hafele, Carl H.; and Weyand, Manfred, to Sempell Aktiengesellschaft; and Hafele, Carl Heinz. Servo-valve. 4,875,659, 10-24-89, Cl. 251-282.000.

Hafele, Carl Heinz: *See—*
  Hafele, Carl H.; and Weyand, Manfred, 4,875,659, Cl. 251-282.000.

Hafele, Walter, to Robert Bosch GmbH. Injection pump camshaft. 4,829,951, 5-16-89, Cl. 123-90.600.

Hafele, Walter, to Robert Bosch GmbH. Fuel injection pump for an internal combustion engine. 4,836,170, 6-6-89, Cl. 123-503.000.

Hafele, Walter, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines including onset of supply control means. 4,842,496, 6-27-89, Cl. 417-490.000.

Hafele, Walter; Kramer, Manfred; and Warga, Johann, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,842,497, 6-27-89, Cl. 417-499.000.

Hafele, Walter: *See—*
  Guntert, Josef; Hafele, Walter; and Warga, Johann, 4,830,587, Cl. 417-499.000.
  Guntert, Josef; Hafele, Walter; and Warga, Johann, 4,850,822, Cl. 417-499.000.
  Guntert, Josef; Hafele, Walter; and Kramer, Manfred, 4,850,823, Cl. 417-499.000.

Hafeli, Hans: *See—*
  Hurlemann, Ernst; and Hafeli, Hans, 4,798,124, Cl. 89-193.000.

Hafer, Edward H.: *See—*
  DeBruler, Dennis L.; Hafer, Edward H.; Hiller, Thomas L.; Johnson, James M., Jr.; Kimber, Douglas A.; McHarg, Christopher G.; Pector, Scott W.; and Pierce, David A., 4,821,259, Cl. 370-60.000.

Hafer, Harry. Sinker drop. 4,821,449, 4-18-89, Cl. 43-41.200.

Hafer, Paul H.; Hanson, Bradley W.; Porter, Jeffrey D.; and Smith, James, Jr., to General Motors Corporation. Countergravity casting apparatus. 4,828,011, 5-9-89, Cl. 164-255.000.

Haferl, Peter E., to RCA Licensing Corporation. High voltage stabilization circuit for video display apparatus. 4,812,720, 3-14-89, Cl. 315-411.000.

Haferl, Peter E., to RCA Licensing Corporation. Push-pull drive circuit for a power converter. 4,829,415, 5-9-89, Cl. 363-26.000.

Haferl, Peter E., to RCA Licensing Corporation. Arrangement for reducing ringing in a flyback transformer. 4,866,353, 9-12-89, Cl. 315-411.000.

Haffer, Gregor; Sauer, Gerhard; Wachtel, Helmut; Schneider, Herbert; Eder, Ulrich; and Lorenz, Hans-Peter, to Schering Aktiengesellschaft. Novel ergolinyl compounds nitrogen-substituted in the 8-position, useful for treating dopamine deficiency. 4,826,852, 5-2-89, Cl. 514-288.000.

Haffer, Gregor: *See—*
  Biere, Helmut; and Hafier, Gregor, 4,801,714, Cl. 546-67.000.

Haffner, Eugene F., to Owens-Illinois Closure Inc. Tamper-indicating closure for a container and improved capping without top loading. 4,846,361, 7-11-89, Cl. 215-252.000.

Haffner, James L., to Cincinnati Milacron Inc. Alignment tool for laser beam delivery systems and method of alignment. 4,840,483, 6-20-89, Cl. 356-153.000.

Haffner, William B.: *See—*
  Schroeder, George O.; Newsome, David L.; and Haffner, William B., 4,828,915, Cl. 428-332.000.

Hafina Treufinanz AG: *See—*
  Workum, Donald J., 4,798,311, Cl. 222-131.000.

Hafla, Dietmar F., to Index-Werke Komm.-Ges. Hahn & Tessky. Pressure regulator for hydraulically controlled machine tools. 4,796,652, 1-10-89, Cl. 137-116.300.

Hafla, Dietmar F.; and Gatzki, Helmut, to Index-Werke Komm.-Ges. Hahn & Tessky. Lathe. 4,843,691, 7-4-89, Cl. 29-36.000.

Hafla, Dietmar F.; and Sommer, Gunther, to Index-Werke Komm.-Ges. Hahn & Tessky. Tool turret. 4,847,960, 7-18-89, Cl. 29-40.000.

Hafner, Bruce: *See—*
  Petrucci, Raymond M., Giordano, Edward; Hafner, Bruce; and Taylor, Bruce G., 4,882,061, Cl. 210-652.000.

Hafner, C.: *See—*
  Frank, Christian; and Knosp, Helmut, 4,854,082, Cl. 51-109.00R.

Hafner, Gunther; Noreikat, Karl-Ernst; and Bauer, Bernhard, to Daimler-Benz Aktiengesellschaft. Procedure for determining optimum ignition times with regard to engine operation. 4,829,962, 5-16-89, Cl. 123-425.000.

Hafner, Hans W., to Pfister GmbH. Force measuring device. 4,827,240, 5-2-89, Cl. 338-2.000.

Hafner, Hans W., to Pfister GmbH. Elastic connection between at least two rigid parts. 4,830,399, 5-16-89, Cl. 280-707.000.

Hafner, Hans W., to Pfister GmbH. Platform weighing apparatus and method for producing thereof. 4,832,140, 5-23-89, Cl. 177-134.000.

Hafner, Hans W., to Pfister GmbH. Method and apparatus for calibrating and/or checking of load cells. 4,848,478, 7-18-89, Cl. 177-50.000.

Hafner, Hans W., to Pfister GmbH. Force measuring device. 4,864,874, 9-12-89, Cl. 73-862.380.

Hafner, Hans W.: *See—*
  Harald, Schneider; Mayer, Helmut and Hafner, Hans W., 4,843,873, Cl. 73-147.000.

Hafner, Josef; Bergmeier, Werner; Schonenberger, Rolf; and Fischer, Matthias, to Veit GmbH & Co. Suspension conveyor system. 4,881,468, 11-21-89, Cl. 104-103.000.

Hafner, Paul; and Schiel, Christian, to J. M. Voith GmbH. Roller press with a device for the relief of the pressure roll. 4,838,156, 6-13-89, Cl. 100-47.000.

Hafner, Rudolf, to JD-Technologie AG. Security device for conveying systems with unmanned vehicles. 4,855,717, 8-8-89, Cl. 340-556.000.

Hafner, Udo; Krauss, Rudolf; and Sauer, Rudolf, to Robert Bosch GmbH. Electromagnetically operable valve and method for producing such a valve. 4,800,912, 1-31-89, Cl. 137-15.000.

Hafner, Udo, to Robert Bosch GmbH. Electromagnetically actuatable valve, in particular fuel injection valve. 4,817,876, 4-4-89, Cl. 239-585.000.

Hafner, Udo; and Reiter, Ferdinand, to Robert Bosch GmbH. Apparatus for electrical connection of electromagnetically actuatable fuel injection valves. 4,857,003, 8-15-89, Cl. 439-130.000.

Hafner, Udo; and Knapp, Heinrich, to Robert Bosch GmbH. Fuel supply line. 4,860,710, 8-29-89, Cl. 123-470.000.

Hafner, Udo: *See—*
  Asslaender, Peter; Hafner, Udo; and Reiter, Ferdinand, 4,830,286, Cl. 239-585.000.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,795,097, Cl. 239-585.000.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,807,846, Cl. 251-129.150.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,813,599, Cl. 239-456.000.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,826,082, Cl. 239-113.000.

Hafner, Walter: *See—*
  Friedrich, Wilhelm; Gebauer, Helmut; Hafner, Walter; and Regiert, Marlies, 4,849,401, Cl. 512-25.000.

Hafner, Warren G., Jr.; and Lowdenslager, John R., to Pitney Bowes Inc. On-chip voltage supply regulator. 4,827,205, 5-2-89, Cl. 323-281.000.

Haftmann, Johannes; and Schmeykal, Rudolf, to TA Triumph-Adler Aktiengesellschaft. Keyboard for typewriters or similar machines. 4,877,347, 10-31-89, Cl. 400-479.000.

Hafuri, Miharu: *See—*
  Hori, Katsuyoshi; Myoga, Toshiharu; Shinomiya, Miharu; Watanabe, Eiji; Kusano, Kazuki; Takuwa, Toshiaki; and Hafuri, Miharu, 4,801,781, Cl. 219-137.710.

Haga, Akinori: *See—*
  Mochida, Ei; Uemura, Akio; Kato, Kazuo; Tokunaga, Hiroki; and Haga, Akinori, 4,839,368, Cl. 514-313.000.

Haga, Hidemi: *See—*
  Kawashima, Norio; and Haga, Hidemi, 4,822,184, Cl. 400-616.100.
  Kawashima, Norio; and Haga, Hidemi, 4,859,098, Cl. 400-616.000.

Haga, Hirokazu: *See—*
  Nakamura, Motoharu; Ohsawa, Takaaki; Haga, Hirokazu; and Tanabe, Akira, 4,825,807, Cl. 118-672.000.

Haga, Hiroyo: *See—*
  Hasegawa, Yasushi; and Haga, Hiroyo, 4,804,021, Cl. 138-171.000.
  Kashiwaya, Kunio; Haga, Hiroyo; Saeki, Nobuo; Yabuki, Youichi; Ozoe, Kuniyuki; Fukushima, Shinichi; and Tabata, Kazufumi, 4,802,270, Cl. 29-241.000.
  Miyasaka, Akihiro; Haga, Hiroyo; and Terasawa, Takeshi, 4,842,816, Cl. 420-84.000.

Haga, Katutoshi; Yoshida, Hisatoshi; and Mitani, Yushi, to Fujii Seiko Limited. Indexing device. 4,852,428, 8-1-89, Cl. 74-826.000.

Haga, Masakazu: *See—*
  Hirata, Toichi; Haga, Masakazu; Hirami, Ichiro; and Yoshida, Kuniaki, 4,881,450, Cl. 91-459.000.

Haga, Masaki; Tsuji, Kiyotaka; Nawafune, Hidemi; Mizumoto, Shozo; and Uchida, Ei, to Ishihara Chemical Co., Ltd. Palladium-base electroless plating solution. 4,804,410, 2-14-89, Cl. 106-1.150.

Haga, Masami, to Idemitsu Petrochemical Company, Ltd. Method for the preparation of bis(hydroxyphenyl) sulfides. 4,845,299, 7-4-89, Cl. 568-23.000.

Haga, Nobuhiro: *See*—
  Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.
Haga, Ryoichi: *See*—
  Nishimura, Yuusaku; Ishida, Masahiko; and Haga, Ryoichi, 4,888,285, Cl. 435-176.000.
Haga, Ryooichi: *See*—
  Ishida, Masahiko; Haga, Ryooichi; Odawara, Yoji; Takahashi, Sankichi; and Ebara, Katsuya, 4,861,383, Cl. 127-67.000.
Haga, Shoji: *See*—
  Koide, Toshikazu; Ida, Shuichiro; Yoshinaka, Toshio; Nagano, Shuji; and Haga, Shoji, 4,854,414, Cl. 180-249.000.
Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, to Ishihara Sangyo Kaisha Ltd. N-benzoyl-N'-pyridazinyloxyphenyl urea compounds, and antitumorous compositions containing them, and process for their preparation. 4,845,093, 7-4-89, Cl. 514-247.000.
Haga, Takahiro; Toki, Tadaaki; Koyanagi, Toru; Fujii, Yasuhiro; Yoshida, Kiyomitsu; and Imai, Osamu, to Ishihara Sangyo Kaisha Ltd. Benzoylurea compounds and pesticides containing them. 4,861,799, 8-29-89, Cl. 514-594.000.
Haga, Takahiro; Shigehara, Itaru; Koyanagi, Toru; Hara, Kazutoshi; and Maeda, Masaru, to Ishahara Sangyo Kaisha Ltd. Method for isomerization of trans-form 2-methylspiro (1,3-oxathiolane-5,3')quinuclidine or acid addition salts thereof. 4,861,886, 8-29-89, Cl. 546-16.000.
Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, to Ishihara Sangyo Kaisha Ltd. N-benzoyl urea compounds, antitumorous compositions containing them. 4,863,924, 9-5-89, Cl. 514-247.000.
Haga, Takahiro: *See*—
  Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Hayashi, Koji; Ikeguchi, Masahiko; and Yoshida, Tsunezo, 4,822,402, Cl. 71-90.000.
  Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Shimoharada, Hiroshi; Yoshida, Tsunezo; and Ikeguchi, Masahiko, 4,835,282, Cl. 548-213.000.
  Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, 4,849,425, Cl. 514-274.000.
Haga, Tomoyuki: *See*—
  Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, 4,829,155, Cl. 219-222.000.
  Odate, Ryoji; and Haga, Tomoyuki, 4,847,323, Cl. 525-71.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, to Sumitomo Chemical Company, Limited. Indazole compounds, and their production and use. 4,820,333, 4-11-89, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, to Sumitomo Chemical Company, Limited. Benzothiazolones, and their production and use. 4,824,465, 4-25-89, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, to Sumitomo Chemical Company, Limited. Benzothiazolylazolidines, and their production and use. 4,828,605, 5-9-89, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, to Sumitomo Chemical Company, Limited. Indazole compounds, and their production and use. 4,831,149, 5-16-89, Cl. 548-159.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, to Sumitomo Chemical Company, Limited. Indazole compounds, and their production and use. 4,831,150, 5-16-89, Cl. 548-159.000.
Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, to Sumitomo Chemical Company, Limited. Benzothiazolones, and their production and use. 4,888,428, 12-19-89, Cl. 548-165.000.
Haga, Toru: *See*—
  Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,877,444, Cl. 71-92.000.
  Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,885,024, Cl. 71-92.000.
  Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,888,045, Cl. 71-90.000.
  Nagano, Eiki; Haga, Toru; Sato, Ryo; and Morita, Kouichi, 4,880,925, Cl. 544-105.000.
Haga, Toshio: *See*—
  Shimamura, Masayoshi; Furukawa, Tadahiro; Murakami, Akiyoshi; and Haga, Toshio, 4,837,098, Cl. 430-7.000.
Hagami, Yoshihisa: *See*—
  Sato, Hirochika; Nakayama, Haruo; Uchiyama, Takeshi; Hagami, Yoshihisa; and Sato, Yoshiro, 4,825,113, Cl. 370-2.000.
Hagan, David W.; Burke, William D.; Thoman, Thomas R.; and Willmert, McRea B., to Union Carbide Corporation. Reactor system and method for forming uniformly large-diameter polycrystalline rods by the pyrolysis of silane. 4,805,556, 2-21-89, Cl. 118-725.000.
Hagan, David W.: *See*—
  Breneman, William C.; Flagella, Robert N.; Gaston, Jon M.; and Hagan, David W., 4,826,668, Cl. 423-349.000.
Hagan, Edward F., to Du Pont de Nemours, E. I., and Company. Rotary developer and method for its use. 4,799,993, 1-24-89, Cl. 156-644.000.
Hagan, Grant E., to Sankyo Manufacturing Company, Ltd. Flue control device. 4,850,336, 7-25-89, Cl. 126-307.00R.
Hagan, James P.: *See*—
  Brewer, Andrew J.; Gunn, Jeffrey W.; and Hagan, James P., 4,834,266, Cl. 222-147.000.
Hagan, James T.: *See*—
  Tweedle, Michael F.; Gaughan, Glen T.; and Hagan, James T., 4,885,363, Cl. 540-465.000.
Hagan, Robert A.; and Reinwall, Ernest W., to Elco Industries, Inc. Device for dampening rotary motion. 4,840,083, 6-20-89, Cl. 74-574.000.
Hagan, Robert A.: *See*—
  Reinwall, Ernest W.; and Hagan, Robert A., 4,833,938, Cl. 74-574.000.
Hagan, Todd A.: *See*—
  Elson, Donald E.; Gerke, Burton E., Jr.; Bitzel, Michael E.; Wilder, Bruce A.; Rodowsky, Stanley J., Jr.; Lessig, William R., III; Adams, Jeffrey S.; and Hagan, Todd A., 4,841,594, Cl. 15-344.000.
Hagan, Vincent de P., to Vince Hagan Company, The. Apparatus and method for mixing concrete. 4,854,711, 8-8-89, Cl. 366-46.000.
Hagans, Patrick L.: *See*—
  Smentkowski, Vincent S.; Hagans, Patrick L.; and Yates, John T., Jr., 4,871,526, Cl. 423-659.000.
Haganuma, Tomoyuki, to Ricoh Company, Ltd. Character generator for thermal printers. 4,809,019, 2-28-89, Cl. 346-76.0PH.
Hagar, Donald K., to Eagleair, Inc. Apparatus and method for delivery of combustion air in multiple zones. 4,801,261, 1-31-89, Cl. 431-9.000.
Hagar, Donald K. Method and system for controlling the supply of fuel and air to a furnace. 4,887,958, 12-19-89, Cl. 431-12.000.
Hagar, Jack L., to Dresser Industries, Inc. Metering regulator for pneumatic tools. 4,817,667, 4-4-89, Cl. 137-613.000.
Hagarty, John D., to S. C. Johnson & Son, Inc. Aerosol foam bait insecticide. 4,889,710, 12-26-89, Cl. 424-45.000.
Hagarty, Jon R., to J. I. Case Company. Composite engine enclosure. 4,889,203, 12-26-89, Cl. 180-69.240.
Hagawa, Kiyoshi: *See*—
  Nakano, Fumihito; Hagawa, Kiyoshi; Endo, Kenji; Wada, Kohei; and Jindou, Katsuya, 4,806,889, Cl. 333-202.000.
Hage, Manfred: *See*—
  Kastner, Hans-Werner; Klockler, Robert; and Hage, Manfred, 4,796,693, Cl. 165-133.000.
Hage, Walter: *See*—
  Strobel, Georg; and Hage, Walter, 4,800,733, Cl. 62-239.000.
Hageag Holding Inc.: *See*—
  Eickelmann, Lothar, 4,890,001, Cl. 307-38.000.
Hagedorn, Guenter E., to Nicollet Technologies, Inc. Universal PBX interface. 4,823,378, 4-18-89, Cl. 379-233.000.
Hagedorn, Guenter E., to Nicollet Technologies, Inc. Hand-held telephone line signaling test instrument. 4,843,620, 6-27-89, Cl. 379-21.000.
Hagedorn, Myrna L.: *See*—
  Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., 4,824,828, Cl. 512-21.000.
  Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., 4,840,801, Cl. 426-3.000.
  Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., 4,865,853, Cl. 426-3.000.
Hagedorn, Scott R.; East, Anthony J.; and Barer, Sol J. Production of picolinic acid and pyridine products via pseudomonas. 4,859,592, 8-22-89, Cl. 435-122.000.
Hagel, Eberhard, to Peroxid-Chemie GmbH. Process for the preparation of tert. alkyl-tert. aralkyl peroxides. 4,864,064, 9-5-89, Cl. 568-558.000.
Hagel, Richard C.: *See*—
  Canfield, Ronald P.; and Hagel, Richard C., 4,823,529, Cl. 52-263.000.
Hagel, Thomas: *See*—
  Macht, Egid; and Hagel, Thomas, 4,885,979, Cl. 91-369.100.
Hagele, Karl-Heinz: *See*—
  Burkel, Rainer; Engelsdorf, Kurt; Gawlik, Rolf; and Hagele, Karl-Heinz, 4,878,470, Cl. 123-401.000.
  Domann, Helmut; Hagele, Karl-Heinz; and Rupp, Hartmut, 4,816,979, Cl. 363-21.000.
Hagelin, Kunto, to Ostosvaunuhuolto Oy. Hand-pushed carrier trolley. 4,826,186, 5-2-89, Cl. 280-33.994.
Hagelstein, Peter L.; and Eugster, Cristopher C., to Massachusetts Institute of Technology. X-ray detector. 4,873,439, 10-10-89, Cl. 250-327.200.
Hageman, David C., to Premier Industrial Corporation. Load indicator. 4,889,457, 12-26-89, Cl. 411-10.000.
Hageman, John P. In situ roofing composite and method utilizing wide polyester. 4,837,095, 6-6-89, Cl. 428-287.000.
Hagemann, Gottfried: *See*—
  Honig, Ernst-August; Kaspar, Lothar; Kalversberg, Manfred; Oberpichler, Gerd; Hagemann, Gottfried; and Schmidt, Dieter, 4,811,631, Cl. 74-762.000.
Hagemann, Hans-Jurgen E.: *See*—
  Bachmann, Peter K.; Hagemann, Hans-Jurgen E.; Warnier, Jacques P. M.; and Wilson, Howard J. C., 4,871,383, Cl. 65-3.120.
Hagemann, Hermann, and Baasner, Bernd, to Bayer Aktiengesellschaft. Process for the preparation of 3-fluoro-2-(fluoromethyl)-propene. 4,837,369, 6-6-89, Cl. 570-160.000.
Hagemann, Hermann; and Sasse, Klaus, to Bayer Aktiengesellschaft. Process for the preparation of 4-mercaptobenzonitriles, and 4-mercaptobenzonitriles. 4,841,089, 6-20-89, Cl. 558-412.000.

Hagemann, Hermann: *See*—
  Sasse, Klaus; Hagemann, Hermann; Santel, Hans-Joachim; and Schmidt, Robert R., 4,797,146, Cl. 71-92.000.
  Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Krebs, Andreas; Schwamborn, Michael; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,865,641, Cl. 71-90.000.
  Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,871,387, Cl. 71-92.000.
  Schriewer, Michael; Grohe, Klaus; Hagemann, Hermann; Zeiler, Hans-Joachim; and Metzger, Karl G., 4,816,451, Cl. 514-185.000.
Hagemeister, Klaus; and Hueber, Alfred, to MTU Motoren- und Turbinen-Union Munchen GmbH. Heat exchanger. 4,800,955, 1-31-89, Cl. 165-163.000.
Hagemeister, Klaus, to MTU Motoren-und Turbinen- Union Munchen GmbH. Reversal chamber for a tube matrix of a heat exchanger. 4,809,774, 3-7-89, Cl. 165-163.000.
Hagemeister, Klaus, to MTU Motoren-Und Turbinen -Union Munchen GmbH. Heat exchanger. 4,815,535, 3-28-89, Cl. 165-173.000.
Hagemeister, Robert C., to Webster Spring Co. Inc. Bent wire spring module. 4,796,872, 1-10-89, Cl. 267-103.000.
Hagemeister, Robert C., to Webster Spring Co. Inc. Bent wire spring module with lock. 4,828,233, 5-9-89, Cl. 267-103.000.
Hagemeister, Robert C., to Webster Spring Co. Inc. Bent wire spring module. 4,838,528, 6-13-89, Cl. 267-103.000.
Hagemeyer, Bruce A., to Rolscreen Company. Panel joint. 4,870,797, 10-3-89, Cl. 52-455.000.
Hagemeyer, Bruce A., to Rolscreen Company. Panel joint. 4,876,838, 10-31-89, Cl. 52-455.000.
Hagemeyer, Friedrich-Wilhelm, to Siemens Aktiengesellschaft. Method of apparatus for realizing a logical operation by modifying a flow of energy. 4,875,181, 10-17-89, Cl. 364-716.000.
Hagen, Donald F.; St. Mary, Steven J.; Errede, Louis A.; and Carr, Peter W., to Minnesota Mining and Manufacturing Company. Composite chromatographic article. 4,810,381, 3-7-89, Cl. 210-502.100.
Hagen, Floyd W.; and DeLeo, Richard V., to Rosemount Inc. Compact air data sensor. 4,836,019, 6-6-89, Cl. 73-180.000.
Hagen, Gary P., to Amoco Corporation. Process for preparing carboxylic acids from esters of carboxylic acids. 4,822,913, 4-18-89, Cl. 562-598.000.
Hagen, Gary P.; and Nemo, Thomas E., to Amoco Corporation. Selective production of 2,6-diethylnaphthalene. 4,873,386, 10-10-89, Cl. 585-471.000.
Hagen, Gary P.: *See*—
  Fjare, Douglas E.; and Hagen, Gary P., 4,855,503, Cl. 564-394.000.
Hagen, Hans; and Mueller, Rudolf, to Bayerische Motoren Werke A.G. Spring system for vehicles, especially motor vehicles. 4,813,705, 3-21-89, Cl. 280-707.000.
Hagen, Helmut; Eichenauer, Ulrich; Plath, Peter; Meyer, Norbert; and Wuerzer, Bruno, to BASF Aktiengesellschaft. Quinoline derivatives and their use for controlling undesirable plant growth. 4,797,148, 1-10-89, Cl. 71-94.000.
Hagen, Helmut; Eichenauer, Ulrich; Kohler, Rolf-Dieter; Plath, Peter; Liese-Sauer, Thomas; Eicken, Karl; Wuerzer, Bruno; and Meyer, Norbert, to BASF Aktiengesellschaft. 2 and/or 3-trifluoromethyl-substituted quinoline 8-carboxylic acid derivatives and their use for controlling undesirable plant growth. 4,804,404, 2-14-89, Cl. 71-94.000.
Hagen, Helmut; Kohler, Rolf-Dieter; and Dupuis, Jacques, to BASF Aktiengesellachaft. Preparation of 8-bromomethyl-3-methylquinoline compounds. 4,845,226, 7-4-89, Cl. 546-180.000.
Hagen, Helmut: *See*—
  Plath, Peter; Eicken, Karl; Zeeh, Bernd; Eichenauer, Ulrich; Hagen, Helmut; Kohler, Rolf-Dieter; Meyer, Norbert; and Wuerzer, Bruno, 4,808,212, Cl. 71-94.000.
  Plath, Peter; Eicken, Karl; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; Meyer, Norbert; and Wuerzer, Bruno, 4,832,731, Cl. 71-92.000.
  Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, 4,857,103, Cl. 71-94.000.
Hagen, James P., Jr.: *See*—
  Fisher, Patrick W.; and Hagen, James P., Jr., 4,818,170, Cl. 414-401.000.
Hagen, Johannes L. M., to U.S. Philips Corporation. Shaft support comprising static fluid bearings. 4,836,692, 6-6-89, Cl. 384-107.000.
Hagen, Kenneth G.; Fontain, E. Sam; Fadden, David J.; and Henshilwood, William L., to Thermo Electron Web Systems, Inc. Non-contact web turning and drying apparatus. 4,848,633, 7-18-89, Cl. 226-97.000.
Hagen, Klaus; and Spotka, Rudolf, to TA Triumph-Adler Aktiengesellschaft. Method and circuit arrangement for protection of typewriters or similar machines against consequences of electrostatic discharge. 4,844,630, 7-4-89, Cl. 400-54.000.
Hagen, Martin H.: *See*—
  Hakkers, Royce R. D.; and Hagen, Martin H., 4,800,763, Cl. 73-863.000.
Hagen, Michael S.; Taylor, Keith A.; and Pollock, Ira G., to Tektronix, Inc. Programmable digital multiple event generator. 4,839,841, 6-13-89, Cl. 364-717.000.
Hagen, Rainer: *See*—
  Coenen, Hubert; Hagen, Rainer; and Reimann, Klaus, 4,812,233, Cl. 210-177.000.
  Coenen, Hubert; Hagen, Rainer; and Reimann, Klaus, 4,828,702, Cl. 210-634.000.
Hagen, Robert A., to Monroe Auto Equipment Company. Method and apparatus for producing bypass grooves. 4,866,966, 9-19-89, Cl. 72-75.000.
Hagen, Susan E.: *See*—
  Domagala, John M.; Hagen, Susan E.; Sanchez, Joseph P.; and Solomon, Marjorie S., 4,840,956, Cl. 514-312.000.
Hagen, Tracy M., to Magnetic Peripherals Inc. Flexure for rotary actuated arm. 4,868,694, 9-19-89, Cl. 360-104.000.
Hagen, Uwe; and Redler, Udo, to Siemens Aktiengesellschaft. Multi-element flat electrode especially useful for HF-surgery. 4,807,621, 2-28-89, Cl. 128-303.130.
Hagen, Uwe; and Redler, Udo, to Siemens Aktiengesellschaft. Electrode consisting of at least three elements useful for a HF surgical instrument. 4,841,966, 6-27-89, Cl. 128-303.130.
Hagen, Uwe; and Redler, Udo, to Siemens Aktiengesellschaft. Multi-part neutral electrode for an hf surgical instrument. 4,873,973, 10-17-89, Cl. 128-303.130.
Hagen, Uwe; and Redler, Udo, to Siemens Aktiengesellschaft. Neutral electrode for a high-frequency surgical instrument. 4,873,974, 10-17-89, Cl. 128-303.130.
Hagen, Werner; Brandt, Claus-Dieter; and Mahrt, Gerd, to Dragerwerk Aktiengesellschaft. Measuring arrangement for detecting the level of combustible gases mixed with air. 4,817,414, 4-4-89, Cl. 73-25.000.
Hagen, William F. Ice making apparatus. 4,823,559, 4-25-89, Cl. 62-347.000.
Hagen, William R.: *See*—
  Henderson, James C.; Kreutzer, Stanley H.; Schmidt, Arthur A.; Smith, Charles A.; and Hagen, William R., 4,795,651, Cl. 426-456.000.
Hagena, Detlef: *See*—
  Exner, Fritz; Hagena, Detlef; Hopp, Rudolf; Nienhaus, Jurgen; and Gottsch, Wilhelm, 4,814,322, Cl. 512-25.000.
Hagenah, Jeffrey A.; and Omid, Ahmad, to Chevron Research Company. 1-carboalkoxyalkyl-3-alkoxy-4-(2'-carboxyphenyl)-azet-2-ones as plant growth regulators and selective herbicides. 4,846,873, 7-11-89, Cl. 71-88.000.
Hagenauer, Joachim; and Sundberg, Carl-Erik, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Time-varying trellis-coded modulation formats which are robust in channels with phase variations. 4,807,253, 2-21-89, Cl. 375-57.000.
Hagenbuch, Leroy G. Vehicular body for hauling hot slag and other materials having a removable metal lining. 4,826,233, 5-2-89, Cl. 296-39.300.
Hagenbuch, LeRoy G. Apparatus and method for locating a vehicle in a working area and for the on-board measuring of parameters indicative of vehicle performance. 4,831,539, 5-16-89, Cl. 364-449.000.
Hagenbuch, LeRoy G. Apparatus and method responsive to the on-board measuring of the load carried by a truck body. 4,839,835, 6-13-89, Cl. 364-567.000.
Hagenbuch, LeRoy G. Apparatus and method for on-board measuring of the load carried by a truck body. 4,845,648, 7-4-89, Cl. 364-567.000.
Hagenlocher, Willi A.: *See*—
  Chew, David W.; Hagenlocher, Willi A.; Jih, Chentung R.; and Nassimbene, Ernie G., 4,839,756, Cl. 360-105.000.
Hagens, Hajo; Kober, Reinhard; and Oberhausen, Wolfgang, to Hoechst Aktiengesellschaft. Process and device for winding a film web. 4,830,303, 5-16-89, Cl. 242-67.10R.
Hager, Alan, to Paul, Robert M. Tamper-proof coin case. 4,878,579, 11-7-89, Cl. 206-0.840.
Hager, Bror O. Preservative for wood. 4,857,323, 8-15-89, Cl. 424-659.000.
Hager, Douglas F.: *See*—
  Noda, Isao; and Hager, Douglas F., 4,835,211, Cl. 524-762.000.
Hager, Francis M.: *See*—
  Baugh, James D.; and Hager, Francis M., 4,854,746, Cl. 384-432.000.
  Sweetland, Roger D.; and Hager, Francis M., 4,885,953, Cl. 74-606.00R.
Hager, James J., Jr.: *See*—
  Specht, Donald F.; Wihl, Tim S.; Young, Scott A.; Hager, James J., Jr.; and Lutzker, Matthew B., 4,805,123, Cl. 364-559.000.
Hager, Jeffrey J.: *See*—
  Van Brunt, Michael K.; Nicoletti, Robert J.; and Hager, Jeffrey J., 4,820,201, Cl. 439-610.000.
Hager, John P.: *See*—
  Clement, Thomas P., II; Li, Taie; and Hager, John P., 4,808,221, Cl. 75-63.000.
Hager, Jorg; Ghyczy, Miklos; Feyen, Vincent; Imberge, Paul; Brandenburg, Ulrich; and Wilperath, Peter, to A. Nattermann & Cie. GmbH. Aqueous phospholipid solutions containing a solubilizing agent. 4,874,553, 10-17-89, Cl. 260-403.000.
Hager, Joseph P.; and Holley, Charles C., to Toro Company, The. System for supporting a working unit. 4,864,805, 9-12-89, Cl. 56-11.900.
Hager, Juergen; Vieth, Walter; and Manderla, Werner, to Magurit Gefrierschneider GmbH. Cutting unit for a meat slicing apparatus. 4,798,114, 1-17-89, Cl. 83-522.000.
Hager, Robert E.: *See*—
  Crew, Albert W.; Neuner, James A.; Remley, Gilbert W.; Hager, Robert E.; Chambers, George M.; Delava, Eric A.; Wilbur, Susan A.; Kenny, Thomas J.; and Sutherland, James F., 4,804,515, Cl. 376-216.000.
Hagerer, Paul; Glaser, Fritz; Klimmer, Josef W.; and Kunze, Reinhard, to Deere & Company. Combine crop material flow adjustment system. 4,875,889, 10-24-89, Cl. 460-1.000.

Hagerlid, Peter K.; Hitchman, Michael; Jacobson, Gunilla M. C.; and Wheeler, Richard, to Pharmacia AB. Method in staining and destaining of electrophoretic gels. 4,844,782, 7-4-89, Cl. 204-180.100.
Hagerman, Richard E.; and Foster, Joseph F., to Qualitrol Corporation. Rapid pressure rise circuit. 4,823,224, 4-18-89, Cl. 361-37.000.
Hagerty, James J.; and Danziger, Leslie A., to Integrated Solar Technologies Corp. Fabrication of macro-gradient optical density transmissive light concentrators, lenses and compound lenses of large geometry. 4,883,522, 11-28-89, Cl. 65-18.400.
Hagerty, Robert F. Container for tablets, pills or the like. 4,881,648, 11-21-89, Cl. 206-540.000.
Hagerty, Robert O.: *See—*
  Allen, Luanne M.; Hagerty, Robert O.; and Mohring, Richard O., 4,888,318, Cl. 502-105.000.
  Cook, John E.; Hagerty, Robert O.; and Jacob, Frederick W., 4,834,947, Cl. 422-117.000.
Hagewood, Brown T. Process for cleaning tube type heat exchangers. 4,860,821, 8-29-89, Cl. 165-95.000.
Hagewood, John F.; Niederer, Kurt W.; and McCoy, Daniel W., Sr., to McCoy-Ellison, Inc. Draw warping apparatus. 4,852,225, 8-1-89, Cl. 28-187.000.
Haggag, Fahmy M. Field indentation microprobe for structural integrity evaluation. 4,852,397, 8-1-89, Cl. 73-82.000.
Haggard, S. E.: *See—*
  Woodall, James C., Jr.; and Haggard, S. E., 4,809,245, Cl. 367-188.000.
  Woodall, James C., Jr.; and Haggard, S. E., 4,811,311, Cl. 367-178.000.
Haggart, John A., to Corrugated Products Limited. Packages for carbonated beverages. 4,854,483, 8-8-89, Cl. 222-95.000.
Hagge, Douglas R.: *See—*
  Boyles, William C.; Hagge, Douglas R.; and Johnston, C. V., 4,826,195, Cl. 280-402.000.
Haggerty, John A., to B. F. Goodrich Company, The. Bearing assembly. 4,880,319, 11-14-89, Cl. 384-215.000.
Haggerty, John W.: *See—*
  Metz, Kenneth D.; Haggerty, John W.; and Alf, Steven W., 4,836,419, Cl. 222-110.000.
Haggerty, William A., to Cincinnati Milacron Inc. Method for machining with improved accuracy. 4,796,195, 1-3-89, Cl. 364-474.350.
Haggiage, Johnny: *See—*
  Cyprien, Guy; Fisch, Alain; Haggiage, Johnny; Porte, Hugues; Prazuck, Thierry; and Torres, Ghislaine, 4,871,547, Cl. 424-81.000.
  Cyprien, Guy; Fisch, Alain; Haggiage, Johnny; Porte, Hugues; Prazuck, Thierry; and Torres, Ghislaine, 4,886,661, Cl. 424-78.000.
Hagglund, Hans; Ericsson, Lars; and Wiklund, Rudolf, to Geotronics Metaltech AB. Device for detecting the level of the slag in a metal pool. 4,880,212, 11-14-89, Cl. 266-94.000.
Haggmark, James E.: *See—*
  Lewis, David R.; Perkins, Albert J.; Raya, Gasper L.; Vargo, Michael F.; and Haggmark, James E., 4,852,154, Cl. 379-105.000.
Haggstrom, Rolf P., to BLH Electronics, Inc. Coaxial load cell. 4,854,179, 8-8-89, Cl. 73-862.660.
Haghiri, Mohammad-Reza; and Boutrois, Bertrand, to U.S. Philips Corporation. Method of and device for estimating motion in a sequence of pictures. 4,875,094, 10-17-89, Cl. 358-105.000.
Haghiri-Tehrani, Yahya; and Hoppe, Joachim, to Gao Gesellschaft fur Automation und Organisation mbH. Carrier element for an IC-module. 4,803,542, 2-7-89, Cl. 357-72.000.
Haghiri-Tehrani, Yahya; and Hoppe, Joachim, to Gao Gesellschaft fur Automation und Organisation mbH. Method for producing a carrier element for an IC-chip. 4,829,666, 5-16-89, Cl. 29-841.000.
Hagi, Chitoshi: *See—*
  Tokunaga, Masaaki; Kogure, Hiroshi; Meguro, Noriaki; and Hagi, Chitoshi, 4,814,139, Cl. 419-12.000.
Hagi, Mitsuharu: *See—*
  Kobayashi, Motonobu; Inoue, Akira; Hagi, Mitsuharu; Nagai, Tsuyoshi; and Kinoshita, Hutoru, 4,814,153, Cl. 423-213.200.
Hagihara, Hideaki; Fukunaga, Takahiro; Takahashi, Kozo; and Yoshiura, Shoichiro, to Sharp Kabushiki Kaisha. Waste toner collecting system. 4,849,791, 7-18-89, Cl. 355-298.000.
Hagihara, Hisao; Banno, Takayuki; Miya, Shigenori; and Tanaka, Norio, to Toyo Radiator Co., Ltd. Method of manufacturing a motorcycle radiator. 4,876,778, 10-31-89, Cl. 29-157.30A.
Hagihara, Toshio: *See—*
  Yamaguchi, Masayoshi; and Hagihara, Toshio, 4,828,353, Cl. 350-96.210.
Hagikura, Hirofumi; and Kawamoto, Haruki, to Nihon Radiator Co., Ltd. Drive control device for motor actuator in automobile air conditioner. 4,878,001, 10-31-89, Cl. 318-446.000.
Hagimoto, Hakumi; Kashima, Yutaka; Kondo, Norio; and Inoue, Masami, to Daiho Construction Co., Ltd. Caisson sinking method. 4,797,031, 1-10-89, Cl. 405-133.000.
Hagimoto, Kiyoshi: *See—*
  Hirano, Takahisa; Hagimoto, Kiyoshi; and Takeda, Kimiharu, 4,856,973, Cl. 418-55.000.
Hagin, Faust; Seethaler, Franz; Zelinka, Robert; and Stiglmaier, Manfred, to MAN Nutzfahrzeuge GmbH. Differential whose a ring gear is mounted in sound damping manner on its carrier. 4,796,488, 1-10-89, Cl. 74-713.000.
Hagin, Faust; and Ruhmann, Gerd, to MAN Nutzfahrzeuge GmbH. Structural element for supporting the chassis or superstructure of a motor vehicle on a wheel. 4,817,987, 4-4-89, Cl. 280-788.000.
Hagin, Faust; Drewitz, Hans; and Martini, Stefan, to MAN Nutzfahrzeuge GmbH. Hydromechanical transmission for motor vehicles. 4,825,722, 5-2-89, Cl. 74-687.000.
Hagin, Faust; and Drewitz, Hans, to MAN Nutzfahrzeuge GmbH. Hydromechanical power splitting transmission for vehicles. 4,843,907, 7-4-89, Cl. 74-687.000.
Hagin, Faust; Drewitz, Hans; and Krenner, Manfred, to MAN Nutzfahrzeuge GmbH. Brake play resetting device. 4,875,557, 10-24-89, Cl. 188-79.550.
Hagin, Roy. Solvent weld pipe test disk. 4,860,796, 8-29-89, Cl. 138-90.000.
Hagino, Hideyuki; and Kusano, Takahiro, to Kabushiki Kaisha Toshiba. Phase equalizing active filter. 4,841,179, 6-20-89, Cl. 307-520.000.
Hagino, Hideyuki; and Kusano, Takahiro, to Kabushiki Kaisha Toshiba. Active filter type signal adjusting circuit. 4,851,718, 7-25-89, Cl. 307-520.000.
Hagino, Sadaaki: *See—*
  Yato, Tadao; Hagino, Sadaaki; and Tanaka, Hiroshi, 4,873,031, Cl. 264-0.500.
Hagino, Seiichiro: *See—*
  Ando, Tsukasa; and Hagino, Seiichiro, 4,817,542, Cl. 112-121.110.
Hagino, Tadao: *See—*
  Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinchi, 4,867,138, Cl. 128-6.000.
Hagiri, Masaharu: *See—*
  Ishikawa, Kazushige; Mochizuki, Kenji; Maehara, Toshihiro; and Hagiri, Masaharu, 4,873,586, Cl. 358-342.000.
Hagisawa, Nobuyasu; and Ikeda, Hiroshi, to Nippon Light Metal Company Limited. Electromagnetic induction heating apparatus including a magnetic flux diverting assembly. 4,795,872, 1-3-89, Cl. 219-10.61R.
Hagisawa, Toshihiko: *See—*
  Togashi, Fusaji; and Hagisawa, Toshihiko, 4,809,002, Cl. 342-160.000.
Hagishima, Koichi: *See—*
  Imagawa, Hitoshi; Urushidani, Shigeo; and Hagishima, Koichi, 4,864,558, Cl. 370-60.000.
Hagishita, Sanji: *See—*
  Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.
Hagita, Hidenari: *See—*
  Murakami, Sanpei; Miyaaki, Tohru; Imahori, Tokio; Ogata, Koichi; and Hagita, Hidenari, 4,855,146, Cl. 426-5.000.
Hagita, Hiroyuki, to Kabushiki Kaisha Kenwood. Clock signal regenerator. 4,862,299, 8-29-89, Cl. 360-64.000.
Hagiuda, Nobuyoshi: *See—*
  Ishizuki, Kenji; Hagiuda, Nobuyoshi; Yokonuma, Norikazu; and Hamanishi, Yoshinari, 4,804,991, Cl. 354-403.000.
Hagiuda, Yasuhiro: *See—*
  Hata, Ryosuke; Yamanouchi, Shosuke; Hirose, Masayuki; Kuwabara, Hidemitsu; Mizumoto, Yasuharu; and Hagiuda, Yasuhiro, 4,859,804, Cl. 174-25.00R.
Hagiwara, Akira: *See—*
  Shinoda, Yasuhiro; Takahashi, Yoshifumi; Takao, Tsuneo; Hagiwara, Akira; and Ishii, Yoshiaki, 4,822,211, Cl. 405-154.000.
Hagiwara, Haruo; Tsukamoto, Hideo; and Tsubaki, Yasuhiro, to Mitsubishi Jukogyo Kabushiki Kaisha. Dry cleaning method using at least two kinds of solvents. 4,802,253, 2-7-89, Cl. 8-158.000.
Hagiwara, Hiroshi: *See—*
  Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobayashi, Koji; Fujino, Ikuo; Hagiwara, Hiroshi; and Ogino, Seiichi, 4,855,609, Cl. 290-48.000.
  Ishida, Takao; Hagiwara, Hiroshi; and Kakumu, Ichiro, 4,837,9 Cl. 51-131.400.
  Ishida, Takeo; Hagiwara, Hiroshi; and Kakumu, Ichiro, 4,839,9 Cl. 51-5.00D.
Hagiwara, Hirotoshi: *See—*
  Mori, Yoshiharu; Yamada, Suzuya; Saito, Mitsuaki; Hagiwara, Hirotoshi; and Ehara, Kenichi, 4,878,866, Cl. 445-36.000.
Hagiwara, Ippei; Tamura, Etsuo; and Yasumoto, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Disc driving device having a reinforced base. 4,814,914, 3-21-89, Cl. 360-98.080.
Hagiwara, Katsunobu: *See—*
  Asai, Toshihiro; and Hagiwara, Katsunobu, 4,859,074, Cl. 366-97.000.
Hagiwara, Katunobu: *See—*
  Hamada, Yoshihiro; Nakagawa, Kazuhiko; Hagiwara, Katunobu; Noda, Takeoki; and Asada, Mitunori, 4,859,166, Cl. 425-204.0
Hagiwara, Kenji; Ishikawa, Hirao; Hosaka, Hideo; and Inaba, Hideo, to Nippon Soda Co., Ltd. Thia (oxa) diazole derivatives. 4,812,16 3-14-89, Cl. 71-90.000.
Hagiwara, Makoto; and Teraoka, Masao, to Tochigifujisangyo Kabushiki Kaisha. Locking differential gear assembly. 4,805,486, 2-21-89, Cl. 74-710.500.
Hagiwara, Masaki: *See—*
  Yamada, Atsushi; and Hagiwara, Masaki, 4,816,968, Cl. 362-80.0
Hagiwara, Masato: *See—*
  Okuma, Shigeki; and Hagiwara, Masato, 4,811,903, Cl. 239-284.

Hagiwara, Masayoshi; Suzuki, Michio; Sasaki, Ryoichi; Sugai, Minoru; Horiki, Akira; and Hayashi, Kazuyuki, to Hitachi, Ltd. Packet switching equipment and a packet switching method for controlling packet switched networks. 4,876,681, 10-24-89, Cl. 370-60.000.
Hagiwara, Michiaki; Menjiu, Akira; Kohachi, Nomura; Masaru, Kataoka; Yoshinao, Yamada; and Miyuri, Sasaki, to Unitika Ltd. Fine amorphous metal wire. 4,806,179, 2-21-89, Cl. 148-403.000.
Hagiwara, Noboru: *See—*
  Nishiyama, Sinichi; Abe, Hajime; Seki, Kuniaki; and Hagiwara, Noboru, 4,838,063, Cl. 72-47.000.
Hagiwara, Nobutaka: *See—*
  Umeno, Hidenori; Kubo, Takashige; Hagiwara, Nobutaka; Sato, Hiroaki; and Sawamoto, Hideo, 4,885,681, Cl. 364-200.000.
Hagiwara, Osamu: *See—*
  Ninomiya, Noboru; Hagiwara, Osamu; and Yoda, Toshira, 4,845,641, Cl. 364-518.000.
Hagiwara, Takaaki: *See—*
  Yatsuda, Yuji; Hagiwara, Takaaki; Kondo, Ryuji; Minami, Shinichi; and Itoh, Yokichi, 4,851,364, Cl. 437-42.000.
Hagiwara, Takashi, to Sigma Enterprises, Incorporated. Slot machine. 4,805,907, 2-21-89, Cl. 273-138.00A.
Hagiwara, Takashi, to Sigma Enterprises, Incorporated. Multiline slot machine. 4,838,552, 6-13-89, Cl. 273-138.00A.
Hagiwara, Takashi: *See—*
  Kato, Yoji; Minai, Osamu; Tukamoto, Hirosi; Hagiwara, Takashi; and Kosaka, Katsuji, 4,881,018, Cl. 318-9.000.
Hagiwara, Taro: *See—*
  Miyazaki, Kenichi; Nakamura, Katsumi; Hagiwara, Taro; and Inoue, Keizo, 4,836,600, Cl. 296-197.000.
  Miyazaki, Kenichi; Nakamura, Katsumi; and Hagiwara, Taro, 4,883,309, Cl. 296-194.000.
Hagiwara, Teruyoshi: *See—*
  Murakami, Azuma; Hagiwara, Teruyoshi; Tuchida, Yoichi; and Johno, Hideki, 4,848,496, Cl. 178-19.000.
Hagiwara, Toshiyuki: *See—*
  Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.
Hagiwara, Yoichi; Shimizu, Kenichi; and Tanaka, Satoshi, to Kyocera Corporation. Metallizing composition. 4,806,160, 2-21-89, Cl. 106-1.120.
Hagiwara, Yoshiaki; Ishida, Hiromi; and Takahashi, Takeyoshi, to Bridgestone Corporation. Rubber kneading method. 4,840,491, 6-20-89, Cl. 366-69.000.
Hagiwara, Yoshiaki, to Sony Corporation. Solid state imager device. 4,851,887, 7-25-89, Cl. 357-24.000.
Hagiwara, Yoshichi; Kimura, Naoya; and Emori, Kenji, to Minnesota Mining and Manufacturing Company. Process for formation of metallic relief. 4,865,954, 9-12-89, Cl. 430-323.000.
Hagiwara, Yoshihiko; and Ooshima, Katsumi, to Topre Corporation. Pedal-load lightening apparatus. 4,800,774, 1-31-89, Cl. 74-512.000.
Hagiwara, Yoshiki: *See—*
  Yoshimatsu, Toshikane; Hagiwara, Yoshiki; Tsuji, Yoshikazu; and Momata, Kazuhiro, 4,843,486, Cl. 360-121.000.
Hagiwara, Yoshimune: *See—*
  Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, 4,809,206, Cl. 364-724.010.
  Takagi, Katsuaki; Aoki, Hirokazu; Nakagawa, Norio; and Hagiwara, Yoshimune, 4,812,969, Cl. 364-200.000.
  Ueda, Hirotada; Matsushima, Hitoshi; Hagiwara, Yoshimune; and Kaneko, Kenji, 4,821,187, Cl. 364-200.000.
Hagiwara, Yukio, to NEC Corporation. Echo canceller using an echo path status detection. 4,852,161, 7-25-89, Cl. 379-410.000.
Hagler, Gerald E., to Phillips Petroleum Company. Apparatus for drawing and interlacing. 4,825,517, 5-2-89, Cl. [illegible]-220.000.
Hagler, Winston M., Jr.: *See—*
  Croom, Warren J., Jr.; and Hagler, Winston M., Jr., 4,857,534, Cl. 514-299.000.
Haglof, Ingvar. Survey distance measuring instrument. 4,798,003, 1-17-89, Cl. 33-134.00R.
Haglund, Artur L.: *See—*
  Eksell, Erik L.; and Haglund, Artur L., 4,870,726, Cl. 24-636.000.
Haglund, Richard A.; and Tupack, Robert E., to Teledyne Industries, Inc. Apparatus and method of air-conditioning parked aircraft. 4,835,977, 6-6-89, Cl. 62-89.000.
Hagman, Anders: *See—*
  Jonsson, Sven; and Hagman, Anders, 4,856,101, Cl. 358-245.000.
Hagmann, Dieter: *See—*
  Esen, Wolfgang; Hagmann, Dieter; and Trumpp, Hans-Joachim, 4,869,781, Cl. 156-643.000.
Hagmann, Peter. Apparatus for punching out a part from a workpiece. 4,796,501, 1-10-89, Cl. 83-535.000.
Hagmann, Peter: *See—*
  Ehrfeld, Wolfgang; Hagmann, Peter; Mohr, Jurgen; and Munchmeyer, Dietrich, 4,872,888, Cl. 55-16.000.
Hagmann, Walter: *See—*
  Braun, Walter; and Hagmann, Walter, 4,799,238, Cl. 375-56.000.
  Braun, Walter; Hagmann, Walter; Hanselmann, Urs; Maibach, Bruno; and Schranz, Peter, 4,800,363, Cl. 340-310.00A.
  Braun, Walter; and Hagmann, Walter, 4,809,296, Cl. 375-1.000.
Hagmann, William K.: *See—*
  Doherty, James B.; Hagmann, William K.; Finke, Paul E.; and Shah, Shrenik K., 4,845,088, Cl. 514-202.000.
Hagne, Leif. Improvements in a method of and a retraction cord for uncovering and draining the preparation limit line of teeth. 4,871,311, 10-3-89, Cl. 433-136.000.
Hagner, George R., to Northern Telecom Limited. Circuit board with coaxial circuit and method therefor. 4,889,962, 12-26-89, Cl. 174-68.500.
Hagon, John W.: *See—*
  Little, Henry M. T.; and Hagon, John W., 4,854,503, Cl. 239-167.000.
Hagopian, Arpi: *See—*
  Ellis, Ronald W.; Hagopian, Arpi; and Kniskern, Peter J., 4,816,564, Cl. 530-350.000.
Hagshenas, Behzad, to Sundstrand Corporation. Blower for use in particle contaminated environments. 4,878,805, 11-7-89, Cl. 415-169.100.
Hagstrom, Kenneth L.: *See—*
  Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Helm, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, 4,829,554, Cl. 379-58.000.
Hagstrom, Robert, to Autopart Sweden AB. Sun visor for motor vehicles and process for its manufacture. 4,854,629, 8-8-89, Cl. 296-97.130.
Hagstrom, Stig B. M.: *See—*
  Kazan, Benjamin; and Hagstrom, Stig B. M., 4,826,732, Cl. 428-432.000.
  Kazan, Benjamin; and Hagstrom, Stig B. M., 4,829,507, Cl. 369-126.000.
  Kazan, Benjamin; and Hagstrom, Stig B. M., 4,878,213, Cl. 369-126.000.
Hagstrom, Ulf: *See—*
  Dellrud, Rolf; and Hagstrom, Ulf, 4,850,333, Cl. 126-25.00A.
Hague, Barbara E.; and Sparrowhawk, Douglas G. Gangion for longline fishing gear. 4,862,633, 9-5-89, Cl. 43-44.840.
Hague, Brian: *See—*
  Stanley, Theodore H.; and Hague, Brian, 4,863,737, Cl. 424-440.000.
  Stanley, Theodore H.; and Hague, Brian, 4,885,173, Cl. 424-440.000.
Hague, Shuja: *See—*
  Rockola, Donald C.; and Hague, Shuja, 4,886,325, Cl. 312-138.100.
Hague, Yusuf A., to Maxim Integrated Products. Programmable universal active filter. 4,857,778, 8-15-89, Cl. 307-521.000.
Hagy, Henry E.: *See—*
  Dumbaugh, William H., Jr.; and Hagy, Henry E., 4,855,260, Cl. 501-66.000.
Hagy, John T. Comminution apparatus. 4,850,541, 7-25-89, Cl. 241-171.000.
Hahm, Manfred. Winding support. 4,823,565, 4-25-89, Cl. 68-198.000.
Hahn, Alfred; and Raup, Jens-Peter, to Siemens Aktiengesellschaft. X-ray examination installation for optional transillumination or exposure of an examination subject. 4,872,192, 10-3-89, Cl. 378-181.000.
Hahn, Alfred; and Vogel, Georg, to Siemens Aktiengesellschaft. Apparatus for non-contacting disintegration of concretions. 4,877,017, 10-31-89, Cl. 128-24.00A.
Hahn, Andreas; Wondrazek, Fritz; and Frank, Frank, to Messerschmitt-Bolkow-Blohm GmbH. Application part for an endoscope. 4,838,246, 6-13-89, Cl. 128-6.000.
Hahn, Andreas, to Messerschmitt-Bolkow-Blohm GmbH. Radiation coagulator. 4,884,568, 12-5-89, Cl. 128-303.100.
Hahn, Annerose; and Hahn, George T. Oil dripping absorption and containment kit. 4,801,005, 1-31-89, Cl. 141-98.000.
Hahn, Arthur, to E-Mon Corporation. Split core insulator and locking device. 4,851,803, 7-25-89, Cl. 336-176.000.
Hahn, Carl J., III: *See—*
  Berman, Arnold L.; Hahn, Carl J., III; and Wachs, Marvin R., 4,857,865, Cl. 330-304.000.
Hahn, Charles R.; and Shapiro, Warren B., to Clairol Incorporated. Hair coloring composition and its method of use. 4,873,079, 10-10-89, Cl. 424-70.000.
Hahn, David A.: *See—*
  Miner, Jonathan L.; Lacher, Vernon R.; Rescigno, Gerald J.; Swim, William B.; Gierke, Martin P.; and Hahn, David A., 4,884,314, Cl. 15-344.000.
Hahn, David T., to Micro Motion, Inc. Test apparatus for proving the performance of mass flow meters. 4,823,592, 4-25-89, Cl. 73-3.000.
Hahn, David T.: *See—*
  Titlow, Joseph D.; Brost, Wilmut; and Hahn, David T., 4,845,989, Cl. 73-597.000.
Hahn, Erwin; and Neumann, Peter, to BASF Aktiengesellschaft. Process for the preparation of 2-hydroxy-4-(2'-hydroxyethoxy) benzophenones. 4,885,396, 12-5-89, Cl. 568-315.000.
Hahn, Erwin: *See—*
  Bergmann, Udo; Hahn, Erwin; and Hansen, Guenter, 4,820,809, Cl. 534-765.000.
  Henning, Georg; Hahn, Erwin; Hauser, Peter; and Patsch, Manfred, 4,846,892, Cl. 106-478.000.
  Radtke, Volker; Kowarsch, Heinrich; and Hahn, Erwin, 4,861,898, Cl. 548-402.000.
Hahn, Erwin L.; Clarke, John; Sloater, Tycho; Hilbert, Claude; and Heaney, Michael B., to University of California, Regents of the. Apparatus and method for measuring electrostatic polarization. 4,833,392, 5-23-89, Cl. 324-57.00R.
Hahn, Gary S., to Immunetech Pharmaceuticals. Immunotherapeutic anti-inflammatory peptide agents. 4,816,449, 3-28-89, Cl. 514-17.000.
Hahn, George T.: *See—*
  Hahn, Annerose; and Hahn, George T., 4,801,005, Cl. 141-98.000.
Hahn, Gerald D.: *See—*
  Bloomster, Timothy G.; Feindt, Hans H.; Hahn, Gerald D.; and Maret, S. Melissa, 4,873,126, Cl. 427-282.000.

Hahn, Granville J.; Rutledge, Raleigh N.; and Rutledge, Durward, to Permian Research Corporation. Rotary extruder with a gear pump. 4,813,863, 3-21-89, Cl. 425-205.000.
Hahn, Granville J., to Permian Research Corporation. Drying method and apparatus. 4,839,969, 6-20-89, Cl. 34-169.000.
Hahn, Granville J.; and Flud, Sammy K., to Permian Research Corporation. Rotary extruder with internally cooled rotor. 4,887,907, 12-19-89, Cl. 366-99.000.
Hahn, Granville J.: *See*—
Johnson, Marion; Hahn, Granville J.; and Ramos, Ramiro V., 4,866,100, Cl. 521-91.000.
Johnson, Marion; and Hahn, Granville J., 4,872,573, Cl. 215-347.000.
Johnson, Marion; Hahn, Granville J.; and Ramoos, Ramiro V., 4,879,138, Cl. 428-218.000.
Hahn, Guenter: *See*—
Niederhuefner, Detlev; Hahn, Guenter; and Baczyzmalski, Andrzej, 4,876,417, Cl. 200-48.00V.
Hahn, Guenther; Krueger, Hans; Lamprecht, Herbert; and Seiffarth, Werner, to Siemens Aktiengesellschaft. Gas laser discharge tube with ceramic wafers and cooling wafers in a stack. 4,841,539, 6-20-89, Cl. 372-63.000.
Hahn, Heinz-Dieter: *See*—
Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Hahn, Heinz-Dieter; Konkol, Werner; and Wiebus, Ernst, 4,808,758, Cl. 568-454.000.
Cornils, Boy; Konkol, Werner; Bach, Hanswilhelm; Gick, Wilhelm; Wiebus, Ernst; Bahrmann, Helmut; and Hahn, Heinz-Dieter, 4,808,757, Cl. 568-454.000.
Hahn, Herbert: *See*—
Zollner, Christine; and Hahn, Herbert, 4,840,718, Cl. 204-286.000.
Hahn, Holger; and Blattner, Rudolf, to Ciba-Geigy Corporation. Process for the preparation of triphendioxazines. 4,886,880, 12-12-89, Cl. 544-76.000.
Hahn, Joseph A.; and House, John E., to Magnaflux Corporation. Waste water treatment apparatus. 4,836,921, 6-6-89, Cl. 210-202.000.
Hahn, Karl: *See*—
Betz, Walter; Koch, Eckhard M.; Plachetta, Christoph; Blinne, Gerd; and Hahn, Karl, 4,866,115, Cl. 524-135.000.
Hahn, Kenneth G., Jr., to Glidden Company, The. Thermosetting acrylic latexes. 4,812,491, 3-14-89, Cl. 523-310.000.
Hahn, Kenneth G., Jr., to Glidden Company, The. Thermosetting arcylic latexes. 4,853,422, 8-1-89, Cl. 523-310.000.
Hahn, Klaus: *See*—
Burk, Peter; and Hahn, Klaus, 4,849,896, Cl. 364-411.070.
Burk, Peter; and Hahn, Klaus, 4,873,640, Cl. 364-426.040.
Hahn, Klaus-Juergen: *See*—
Lehmann, Hans D.; Kretzschmar, Rolf; and Hahn, Klaus-Juergen, 4,798,811, Cl. 514-159.000.
Hahn, Michael; Wackerle, Peter; Eschenfelder, Peter; and Schulz, Ralf-Thilo, to Messerschmitt-Bolkow-Blohm GmbH. Method for making a mold half for laminated parts. 4,805,291, 2-21-89, Cl. 29-434.000.
Hahn, Michael W.: *See*—
Jolliff, Daniel; Hahn, Michael W.; and Oldham, Dean C., 4,854,590, Cl. 273-138.00A.
Hahn, Norbert, to Rite-Hite Corporation. Hydraulic control device. 4,819,770, 4-11-89, Cl. 188-284.000.
Hahn, Ortwin; and Hummler, Johannes, to Hahn, Ortwin. Adaptive control process for foaming and fusing plastics. 4,800,050, 1-24-89, Cl. 264-40.600.
Hahn, Patrick P., to Georgia-Pacific Corporation. Apparatus for blending granules for a roofing product. 4,865,458, 9-12-89, Cl. 366-160.000.
Hahn, Peter O.: *See*—
Clabes, Joachim G.; Hahn, Peter O.; Ho, Paul S.; Lefakis, Haralambos; and Rubloff, Gary W., 4,886,681, Cl. 427-38.000.
Hahn, Reinhold: *See*—
Dotzer, Peter; Glaser, Heinz; Hahn, Reinhold; and Mayr, Ernst, 4,887,423, Cl. 57-295.000.
Hahn, Robert A.: *See*—
Lighthart, Eric L.; Hahn, Robert A.; Lindstrom, Jean M.; and Rummell, Jon R., 4,845,609, Cl. 364-200.000.
Hahn, Robert W.: *See*—
Brown, Thomas R.; Logan, Richard H.; Hahn, Robert W.; Rodeghiero, Charles D.; and Brekkestran, Kevin L., 4,852,680, Cl. 180-287.000.
Hahn, Stephen F.; and Kreil, Dennis J., to Dow Chemical Company, The. Benzocyclobutene-based organosilane adhesion aids. 4,831,172, 5-16-89, Cl. 556-419.000.
Hahn, Steven C., to GKN Automotive, Inc. Constant velocity universal joint for transmitting a torque at various angles. 4,832,657, 5-23-89, Cl. 464-141.000.
Hahn, Thomas O., to UCB S.A. Method of producing a layer of plastics material between two glass panes and apparatus for performing the method. 4,828,784, 5-9-89, Cl. 264-316.000.
Hahn, Ulrich: *See*—
Hartweck, Winfried G.; and Hahn, Ulrich, 4,854,861, Cl. 432-14.000.
Hahn, Walter: *See*—
Dobhan, Herbert; Schemmel, Bruno; Leuner, Hilmar; and Hahn, Walter, 4,795,230, Cl. 384-539.000.
Hahn, William N. Trash can. 4,867,339, 9-19-89, Cl. 220-404.000.
Hahne, Ernst-August; and Kunzig, Hermann, to Eltex-Elektrostatik Gesellschaft mbH. Probe for removing dust from moving webs. 4,835,808, 6-6-89, Cl. 15-1.50R.
Hahne, Goran. Bass amplifier with high frequency response. 4,797,931, 1-10-89, Cl. 381-96.000.
Hahnel, Peter: *See*—
Schmidt, Helmut; and Hahnel, Peter, 4,867,581, Cl. 384-517.000.
Simon, Gehard; Hahnel, Peter; and Hoffmann, Erhard-Gunther, 4,839,209, Cl. 428-68.000.
Hahnel, Reinhard: *See*—
Metzner, Klaus; Westphal, Detlef; Allendorfer, Wolfgang; Hahnel, Reinhard; and Polaschegg, Hans-Dietrich, 4,797,191, Cl. 204-411.000.
Hahnewald, Andrea, to Braun Aktiengesellschaft. Heating unit, in particular for bread toasters. 4,801,915, 1-31-89, Cl. 338-293.000.
Hahnke, Manfred; and Kuhn, Reinhard, to Hoechst Aktiengesellschaft. Dyeing formulations of mixtures of red disperse dyes for the washfast dyeing of polyester fibers or mixtures thereof with cellulose fibers benzo-di-furanone and azo dyes. 4,872,882, 10-10-89, Cl. 8-638.000.
Hahnke, Manfred: *See*—
Buhler, Ulrich; Hofmann, Klaus; and Hahnke, Manfred, 4,872,883, Cl. 8-639.000.
Hahnle, Reinhard: *See*—
Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, 4,806,127, Cl. 8-549.000.
Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, 4,845,202, Cl. 534-605.000.
Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, 4,861,344, Cl. 8-532.000.
Hahs, Charles A., Jr.; and Zaderej, Victor V., to CNI. Lantern battery substitute. 4,806,440, 2-21-89, Cl. 429-100.000.
Haibara, Hitoshi: *See*—
Muraoka, Yusuke; Tamada, Atsushi; Sakai, Takamasa; Haibara, Hitoshi; and Nakagawa, Keiji, 4,849,608, Cl. 219-390.000.
Haider, Eduard. Pendulum. 4,834,224, 5-30-89, Cl. 188-378.000.
Haider, Gottfried, to Voest-Alpine Aktiengesellschaft. Fuel injection nozzle. 4,840,310, 6-20-89, Cl. 239-533.400.
Haidet, Donald A. Device for lifting and inverting cylindrical containers. 4,834,438, 5-30-89, Cl. 294-31.200.
Haidinger, John: *See*—
Abrams, Jack Z.; Benz, August D.; Awerbuch, Leon; Zacek, Stanley J.; and Haidinger, John, 4,804,523, Cl. 423-242.000.
Haidler, John W.: *See*—
Ludwig, Howard R.; Haidler, John W.; Yuan, Mark S. C.; and Elson, Robert J., 4,842,106, Cl. 188-266.000.
Haidon Industrial Co., Ltd.: *See*—
Cho, Sung C., 4,798,357, Cl. 248-96.000.
Cho, Sung C., 4,881,638, Cl. 206-315.300.
Haifa Chemicals Limited: *See*—
Blank, Itzhak, 4,880,455, Cl. 71-28.000.
Manor, Shalom; Pipko, Grigori; Langham, Adrian; Friedman, Nitza; and Steiner, Amalia, 4,836,995, Cl. 423-309.000.
Haig, Connie L.: *See*—
Gross, David C.; Haig, Connie L.; and Rich, Jonathan D., 4,810,728, Cl. 521-82.000.
Gross, David C.; Lewis, Larry N.; and Haig, Connie L., 4,840,974, Cl. 521-85.000.
Gross, David C.; Lewis, Larry N.; and Haig, Connie L., 4,851,452, Cl. 521-134.000.
Smith, Kennith A.; and Haig, Connie L., 4,879,317, Cl. 521-82.000.
Haigh-Chadwick Limited: *See*—
Lyttle, William J.; and Kitchen, Stephen, 4,827,424, Cl. 364-470.000.
Haigh, Daniel H., to Dow Chemical Company, The. Process for the determination of lipase activity. 4,806,469, 2-21-89, Cl. 435-19.000.
Haigh, Virginia: *See*—
Bannister, A. Karen; Brandriff, Kristen; Carlotto, John A.; DiDonato, Richard J.; Haigh, Virginia; and Siron, Edmond, 4,796,443, Cl. 63-14.500.
Haight, Michael H.; and Giolma, William H., to Texas Instruments Incorporated. Voltage controlled oscillator clamp circuit. 4,799,030, 1-17-89, Cl. 331-117.00R.
Haight, William J., to Mineral Recovery Corporation. Apparatus and method of classifying particles. 4,875,999, 10-24-89, Cl. 209-245.000.
Haigis, Erich. Structural system for inclining sailboat masts to windward. 4,867,089, 9-19-89, Cl. 114-39.100.
Haigler, Robert M., to Renkus-Heinz. Electronic circuit for sensing disconnect or failure of a power output sense line in an audio power system. 4,887,298, 12-12-89, Cl. 381-55.000.
Haijima, Mikio: *See*—
Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.
Haikonen, Pentti O.: *See*—
Santamaki, Harry J.; Korhonen, Ilkka O.; and Haikonen, Pentti O., 4,855,825, Cl. 358-135.000.
Hailey, Charles D. Enhanced diameter clean-out tool and method. 4,809,793, 3-7-89, Cl. 175-265.000.
Hailey, James E.: *See*—
Beyers, Billy W., Jr.; and Hailey, James E., 4,808,992, Cl. 340-825.240.
Venners, Howard W.; Beyers Jr., Billy W.; and Hailey, James E., 4,855,730, Cl. 340-825.240.
Hailey, Laurence N.: *See*—
Boecker, Wolfgang D. G.; and Hailey, Laurence N., 4,871,108, Cl. 228-122.000.
Hailey, Robert W. Heating and handling system for objects. 4,874,312, 10-17-89, Cl. 432-122.000.

Hailpern, Brent T.; Hoevel, Lee W.; and Shapiro, Eugene, to International Business Machines Corporation. Multi-microprocessor for controlling shared memory. 4,881,164, 11-14-89, Cl. 364-200.000.
Hailpern, Brent T.: *See*—
Perry, Kenneth J.; Thefaine, Yannick J.; Hailpern, Brent T.; Hoevel, Lee W.; and Shea, Dennis G., 4,885,578, Cl. 340-825.520.
Haimala, Taru: *See*—
Koskimies, Salme; and Haimala, Taru, 4,801,758, Cl. 568-768.000.
Haimovitz, Leonard J. Compact drapery system. 4,796,684, 1-10-89, Cl. 160-330.000.
Hain, David A., to NCR Corporation. Sheet handling apparatus. 4,822,018, 4-18-89, Cl. 271-3.000.
Hain, Klaus; Bessing, Klaus-Peter; and Bruestle, Claus, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Exhaust gas system with silencer for a turbocharged internal combustion engine. 4,807,439, 2-28-89, Cl. 60-602.000.
Hain, Klaus; Hofbauer, August; and Hochkonig, Manfred, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Airplane, preferably a helicopter. 4,830,312, 5-16-89, Cl. 244-17.110.
Hain, Klaus; Beer, Michael; and Gietzen, Staas, to Dr. Ing h.c.F. Porsche Aktiengesellschaft. Multi-cylinder internal combustion engine with externally applied ignition and with turbocharger. 4,841,926, 6-27-89, Cl. 123-146.50A.
Hain, Klaus: *See*—
Gietzen, Staas; Weiner, Hans; Hain, Klaus; Hofbauer, August; and Hawener, Juergen, 4,875,643, Cl. 244-53.00A.
Hain, Leonard P. Clamp for holding work pieces in the formation of trusses. 4,875,666, 10-24-89, Cl. 269-37.000.
Haindl, Hans; and Fuchs, Jurgen, to B. Braun Melsungen AG. Catheter device. 4,871,356, 10-3-89, Cl. 604-247.000.
Haindl, Hans, to B. Braun Melsungen AG. Safety cap. 4,883,470, 11-28-89, Cl. 604-192.000.
Haindl, Hans, to B. Braun Melsungen AG. Needle. 4,889,529, 12-26-89, Cl. 604-274.000.
Haines, Bernard M. Sensory transmitting membrane device. 4,852,586, 8-1-89, Cl. 128-842.000.
Haines, Derrick J.; and Marsh, Harry, to British Aerospace Public Limited Company. Fluid film journal bearings. 4,880,320, 11-14-89, Cl. 384-215.000.
Haines, Douglas I.; Stock, W. Riley; and Dobak, David E., to Tektronix, Inc. Method and apparatus for triggering. 4,823,076, 4-18-89, Cl. 324-121.00R.
Haines, Douglas I.; and Welborn, Patrick E., to Tektronix, Inc. Method and apparatus for creating a dither pattern. 4,823,189, 4-18-89, Cl. 358-75.000.
Haines & Emerson, Inc.: *See*—
Herigstad, David P.; and Sturm, Robert E., 4,863,335, Cl. 414-495.000.
Haines, Erica. Collapsible protective structure. 4,813,442, 3-21-89, Cl. 135-98.000.
Haines, Frank C., Jr.: *See*—
Smith, Michael P.; and Haines, Frank C., Jr., 4,856,351, Cl. 73-863.210.
Haines, Gerald J. Apparatuses for testing multi-core cables for leakage between cores. 4,835,479, 5-30-89, Cl. 324-540.000.
Haines, Hiemi K., to Marathon Oil Company. Water-alternating-gas flooding of a hydrocarbon-bearing formation. 4,846,276, 7-11-89, Cl. 166-273.000.
Haines-Keeley, Susan M.; and Haines, Wanita E. Beverage cooler. 4,882,914, 11-28-89, Cl. 62-457.400.
Haines, Kenneth A.; and Weller, Robert H., to American Bank Note Holographics, Inc. Security diffraction devices difficult to exactly duplicate. 4,832,445, 5-23-89, Cl. 350-162.200.
Haines, Peter R., to Lin Pac Mouldings Limited. Plastics container assembly. 4,886,181, 12-12-89, Cl. 220-67.000.
Haines, Richard K., to Elkhart Door, Inc. Vehicular shade. 4,825,929, 5-2-89, Cl. 160-84.100.
Haines, Richard K., to Elkhart Door, Incorporated. Window shade. 4,842,034, 6-27-89, Cl. 160-84.100.
Haines, Richard M.: *See*—
Paul, F. Ronald; Haines, Richard M.; and Hill, Homer G., 4,855,341, Cl. 523-443.000.
Haines, Robert C., to Dunlop Limited. Method of making a games racket. 4,874,570, 10-17-89, Cl. 264-154.000.
Haines, Stephen W., to CooperVision, Inc. Fluid flow control system and connecting fitting therefor. 4,832,685, 5-23-89, Cl. 604-30.000.
Haines, Steven N. M., to Lucas Industries Public Limited Company. Control valve. 4,831,939, 5-23-89, Cl. 123-506.000.
Haines, Theodore S.: *See*—
Burkstrand, Lowell E.; Burkstrand, George W.; and Haines, Theodore S., 4,850,169, Cl. 52-241.000.
Haines, Wanita E.: *See*—
Haines-Keeley, Susan M.; and Haines, Wanita E., 4,882,914, Cl. 62-457.400.
Haining, Alvin S.: *See*—
Albrecht, Leonard N.; and Burke, Steven R., 4,875,242, Cl. 4-243.000.
Haining, Katherine R.: *See*—
Albrecht, Leonard N.; and Burke, Steven R., 4,875,242, Cl. 4-243.000.
Hainsworth, Thomas E.; and King, William L., Jr., to Bell & Howell Company. Controlled direction non-contact detection system for automatic guided vehicles. 4,802,096, 1-31-89, Cl. 364-461.000.
Hainze, John H.: *See*—
Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., 4,823,506, Cl. 43-131.000.
Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., 4,841,669, Cl. 43-131.000.
Hair, Dennis E.: *See*—
Squier, William H.; and Hair, Dennis E., 4,835,030, Cl. 428-88.000.
Hair, John, II, to Child Safety Products. Child proof container. 4,854,448, 8-8-89, Cl. 206-1.500.
Hair, Michael L.: *See*—
Croucher, Melvin D.; Wong, Raymond W.; and Hair, Michael L., 4,816,370, Cl. 430-115.000.
Hair Remover Ltd.: *See*—
Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, 4,807,624, Cl. 128-355.000.
Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, 4,825,867, Cl. 128-355.000.
Hair, Robert A.: *See*—
Lambropoulos, George; Pitera, Kenneth R.; and Hair, Robert A., 4,881,148, Cl. 361-172.000.
Haire, Donald F.: *See*—
Collopy, Thomas K.; and Haire, Donald F., 4,821,196, Cl. 364-468.000.
Haire, William M.; and Pou, Celestino, to Hydrocarbon Sciences, Inc. Oil characteristic improvement process and device therefor. 4,877,513, 10-31-89, Cl. 208-106.000.
Haisch, Gert, to Union Special G.m.b.H. Two-needle overedge sewing machine with apparatus for sewing in thread chain. 4,831,947, 5-23-89, Cl. 112-197.000.
Haishi, Akira: *See*—
Kataoka, Hideaki; Murai, Ashita; and Haishi, Akira, 4,823,155, Cl. 354-86.000.
Haislet, Gary A., to Goodyear Tire & Rubber Company, The. Apparatus and process of manufacturing a metal cord. 4,887,421, 12-19-89, Cl. 57-58.540.
Haislip, Arlene: *See*—
Gibbens, John C.; and Haislip, Arlene, 4,805,243, Cl. 2-228.000.
Haisma, Jan; Adema, Cornelis L.; Alting, Cornelis L.; and Brehm, Rudolf, to U.S. Philips Corporation. Method of bonding two parts together. 4,810,318, 3-7-89, Cl. 156-153.000.
Haisman, Derek R.; and Woolgar, Gordon D., to Thomas J. Lipton, Inc. Particulate creamer-thickener and process of preparing the same. 4,810,518, 3-7-89, Cl. 426-578.000.
Haisman, William H., to Premier Pump & Pool Products, Inc. Hydrotherapy apparatus having preheated air agitation feature. 4,858,255, 8-22-89, Cl. 4-544.000.
Haissig, Manfred: *See*—
Ahrens, Max; and Haissig, Manfred, 4,799,533, Cl. 164-137.000.
Haist, Henri. Deep-drawn screw cap of aluminum for glass bottles under internal pressure. 4,844,271, 7-4-89, Cl. 215-307.000.
Hait, Paul W., to Pyromid, Inc. Cooking unit with improved fire grate. 4,829,975, 5-16-89, Cl. 126-9.00R.
Hait, Paul W., to Pyromid, Inc. Outdoor cooking unit with disposable component. 4,877,010, 10-31-89, Cl. 126-9.00A.
Hait, Paul W., to Pyromid, Inc. Outdoor cooking unit. 4,884,551, 12-5-89, Cl. 126-9.00R.
Haitani, Munehisa, to Alps Electric Co., Ltd. Servo head positioner with pulse adjusting circuitry. 4,797,757, 1-10-89, Cl. 360-77.080.
Haitko, Deborah A.: *See*—
Cella, James A.; and Haitko, Deborah A., 4,814,466, Cl. 549-15.000.
Cella, James A.; and Haitko, Deborah A., 4,864,015, Cl. 528-352.000.
Hajdu, Istvan: *See*—
Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; and Laszlovszky, Istvan, 4,874,765, Cl. 514-255.000.
Toth, Edit; Kiss, Bela; Turley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,866,062, Cl. 514-255.000.
Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,868,184, Cl. 514-255.000.
Hajduch, James D. Medical fastening and clamp system. 4,821,720, 4-18-89, Cl. 128-325.000.
Hajdukiewicz, Peter; and Archer, Clifford W., to Renishaw PLC. Probe for measuring workpieces. 4,813,151, 3-21-89, Cl. 33-832.000.
Hajek, Bedrich, to Electrostatic Technology Incorporated. Electrostatic coating apparatus and method. 4,808,432, 2-28-89, Cl. 427-32.000.
Hajek, Josef; and Mamberer, Hans, to M.A.N. Roland Druckmaschinen AG. Printing machine register adjustment system. 4,821,640, 4-18-89, Cl. 101-177.000.
Hajek, Milan; and Silhavy, Premysl, to Ceskoslovenska akademie ved. Process for producing cinnamic acid from 1,1,1,3-tetrachloro-3-phenylpropane. 4,806,681, 2-21-89, Cl. 562-422.000.
Hajikano, Kazuo; Shimoe, Toshio; Kamoi, Jyoei; Sawaki, Ippei; and Murakami, Koso, to Fujitsu Limited. Non-blocking optical space switch. 4,837,855, 6-6-89, Cl. 455-600.000.
Hajime, Ichimura. Flash illumination apparatus. 4,825,253, 4-25-89, Cl. 355-71.000.
Hajime Industries, Ltd.: *See*—
Hajime, Yoshida, 4,868,404, Cl. 250-572.000.
Hajime, Toguchi: *See*—
Yasushi, Mikura; Kensuke, Asada; and Hajime, Toguchi, 4,812,557, Cl. 530-351.000.
Hajime, Yoshida, to Hajime Industries, Ltd. Surface inspection apparatus using a mask system to monitor uneven surfaces. 4,868,404, 9-19-89, Cl. 250-572.000.

- Hajnal, Stephen. Rotatable snorkel camera system. 4,868,588, 9-19-89, Cl. 354-79.000.
- Hajos, Gyorgy: *See—*
  - Batori, Sandor; Hajos, Gyorgy; Messmer, Andras; Benko, Pal; Pallos, Laszlo; Petocz, Lujza; Grasser, Katalin; Kosoczky, Ibolya; and Szirt nee Kiszelly, Eniko , 4,871,846, Cl. 544-183.000.
  - Fischer, Janos; Dobay, Laszlo ; Major, Mihaly; Ezer, Elemer; Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny, Laszlo , 4,879,404, Cl. 560-051.000.
  - Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andras; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
  - Tigyi, Gabor; Bozoky, Bela; Szegvari, Zsuzsanna; Frank, Tibor; Hajos, Gyorgy; Szporny, Laszlo; and Forgacs, Lilla, 4,882,336, Cl. 514-283.000.
- Hajos, Zoltan: *See—*
  - Press, Jeffery B.; and Hajos, Zoltan, 4,885,300, Cl. 514-258.000.
- Hajos, Zoltan G.; Kanojia, Ramesh M.; and Press, Jeffery B., to Ortho Pharmaceutical Corporation. 6-Substituted purinyl piperazine derivatives useful as cardiotonic and antiarrhythmic agents. 4,876,257, 10-24-89, Cl. 514-253.000.
- Hajovsky, Robert J., to Ameron, Inc. Conductive adhesive. 4,874,548, 10-17-89, Cl. 252-511.000.
- Hakala, Harri, to Kone Elevator GmbH. Method for controlling the semiconductor switches of a rectifier bridge connected to an a.c. mains supply, and a control unit designed for applying the method. 4,841,426, 6-20-89, Cl. 363-37.000.
- Hakala, Timo; and Lehtonen, Reijo, to Euromaski OY. Full view welding shield. 4,888,825, 12-26-89, Cl. 2-8.000.
- Hakamada, Haruo: *See—*
  - Nakane, Nobu; Maruyama, Noriharu; and Hakamada, Haruo, 4,837,60., Cl. 355-28.000.
- Hakamada, Ichiro: *See—*
  - Murakami, Shu; Ikebe, Tsuguo; Hakamada, Ichiro; and Yaoka, Osamu, 4,882,326, Cl. 514-211.000.
  - Tahara, Tetsuya; Ikebe, Tsuguo; Hakamada, Ichiro; and Yaoka, Osamu, 4,874,759, Cl. 514-232.500.
- Hakamada, Isao: *See—*
  - Hayakawa, Naoji; Takenouchi, Masanori; Nakamura, Kenji; Kan, Fumitaka; Kozato, Yasuo; and Hakamada, Isao, 4,858,062, Cl. 361-225.000.
  - Miyazawa, Seiichi; Nojiri, Hidetoshi; Hara, Toshitami; Shimizu, Akira; Sekiguchi, Yoshinobu; and Hakamada, Isao, 4,829,534, Cl. 372-46.000.
  - Shimizu, Akira; Hara, Toshitami; Nojiri, Hidetoshi; Hakamada, Isao; Miyazawa, Seiichi; and Sekiguchi, Yoshinobu, 4,796,067, Cl. 357-4.000.
- Hakamada, Kunio; Hanamura, Shizuo; Oda, Osamu; and Amano, Toshio, to Sony Corp. Television receiver incorporating a video cassette recorder and capable of displaying a sub-channel picture within a main-channel picture. 4,845,564, 7-4-89, Cl. 358-183.000.
- Hakamada, Kunio; and Usui, Hirofumi, to Sony Corporation. Television receiver having automatically programmable skip channel list. 4,870,492, 9-26-89, Cl. 358-193.100.
- Hakamata, Yoshimi: *See—*
  - Ohno, Tasunori; Kurosawa, Tomoe; Sato, Tadashi; Kurosawa, Yukio; and Hakamata, Yoshimi, 4,851,668, Cl. 250-251.000.
  - Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, 4,847,476, Cl. 250-427.000.
- Hakamatsuka, Yasuharu; and Watanabe, Kazuhiro, to Olympus Optical Co., Ltd. Glass ceramic dental crown and method of manufacturing the same. 4,799,887, 1-24-89, Cl. 433-212.100.
- Hakamori, Sen-Itiroh, to Fred Hutchinson Cancer Research Center. Hybridomas producing monoclonal antibodies to mono-, di-, and trifucosylated type 2 chain. 4,876,199, 10-24-89, Cl. 530-387.000.
- Hakanson, Hakan: *See—*
  - Backman, Sune; and Hakanson, Hakan, 4,810,380, Cl. 210-488.000.
- Hakansson, Christer L.: *See—*
  - Kupper, Robert J.; Jachimowicz, Felek; Quirk, Jennifer M.; and Hakansson, Christer L., 4,851,588, Cl. 568-713.000.
- Hakansson, Lars A. H. Apparatus for treating small items. 4,880,022, 11-14-89, Cl. 134-120.000.
- Hake, Leon M., to Wittwer Construction Co., Inc. Doweling tool. 4,812,088, 3-14-89, Cl. 408-130.000.
- Hake, Leroy, to Lantech, Inc. Method and apparatus for unitizing tires. 4,858,415, 8-22-89, Cl. 53-438.000.
- Hakeem, Terri A. Child seat. 4,872,725, 10-10-89, Cl. 297-250.000.
- Hakemi, Hassan A.; Rasoul, Husam A. A.; and Stackman, Robert W., to S. C. Johnson & Son, Inc. Compatible blends of main chain and side chain thermotropic liquid crystal polymers. 4,842,754, 6-27-89, Cl. 252-299.010.
- Hakemi, Hassan A.: *See—*
  - Pedretti, Ugo; Bonfanti, Cesarina; Montani, Enrico; Hakemi, Hassan A.; and Roggero, Arnaldo, 4,888,409, Cl. 528-129.000.
- Haken, Roger A.; and Holloway, Thomas C., to Texas Instruments Incorporated. VLSI local interconnect structure. 4,821,085, 4-11-89, Cl. 357-67.000.
- Haken, Roger A.; and Scott, David B., to Texas Instruments Incorporated. NMOS source/drain doping with both P and As. 4,851,360, 7-25-89, Cl. 437-29.000.
- Haken, Roger A.: *See—*
  - Groover, Robert, III; Haken, Roger A.; and Holloway, Thomas C., 4,804,636, Cl. 437-52.000.
  - Holloway, Thomas C.; Haken, Roger A.; and Chapman, Richard A., 4,845,047, Cl. 437-45.000.
  - Tang, Thomas E.; Wei, Che-Chia; Haken, Roger A.; and Chapman, Richard A., 4,890,141, Cl. 357-23.300.
  - Teng, Clarence W.; and Haken, Roger A., 4,890,147, Cl. 357-23.110.
  - Tigelaar, Howard L.; Paterson, James L.; Haken, Roger A.; and Holloway, Thomas C., 4,811,076, Cl. 357-51.000.
  - Tigelaar, Howard L.; Haken, Roger A.; and Holloway, Thomas C., 4,811,078, Cl. 357-54.000.
  - Tigelaar, Howard L.; Haken, Roger A.; Holloway, Thomas C.; and Groover, Robert, III, 4,814,854, Cl. 357-67.000.
- Hakes, Geoffrey P.: *See—*
  - Read, Michael J.; Read, Michael R.; Osborne, Stephen J.; and Hakes, Geoffrey P., 4,844,959, Cl. 428-34.900.
- Hakes, Harrison R.: *See—*
  - Alt, Gerhard H.; and Hakes, Harrison R., 4,846,880, Cl. 71-94.000.
- Hakim, M. Javid, to Liburdi Engineering Limited. Vapor deposition of metal compound coating utilizing metal sub-halides and coated metal article. 4,803,127, 2-7-89, Cl. 428-457.000.
- Hakim, Shafik J.; Locher, Mark R.; Nieng, Kenneth Y.; and Vagnozzi, Barbara A., to American Telephone and Telegraph Company AT&T Bell Laboratories. Method and apparatus for accessing data from data attribute tables. 4,841,433, 6-20-89, Cl. 364-200.000.
- Hakim, Shafik J.: *See—*
  - Chang, Shih-Jeh; Emery, Richard T.; Hakim, Shafik J.; Ho, Jen Lie; Janssen, Paul E.; and McCullagh, Carol M., 4,818,984, Cl. 340-825.540.
- Hakimi, Farhad: *See—*
  - Snitzer, Elias; Po, Hong; Tumminelli, Richard P.; and Hakimi, Farhad, 4,815,079, Cl. 372-6.000.
- Hakimi, Hosain. Gyroptic visual couplers. 4,850,668, 7-25-89, Cl. 350-96.200.
- Hakiri, Minoru: *See—*
  - Shiraishi, Shuhei; and Hakiri, Minoru, 4,828,904, Cl. 428-212.000.
- Hakkei, Kouichi: *See—*
  - Izaki, Kansei; Kawakami, Takamasa; Hakkei, Kouichi; and Ando, Kazuhiro, 4,800,182, Cl. 501-92.000.
- Hakkers, Royce R. D.; and Hagen, Martin H., to VEG-Gasinstituut N.V. Method of sampling a fluid stream and apparatus suitable therefor. 4,800,763, 1-31-89, Cl. 73-863.000.
- Hakko Electric Machine Works Co., Ltd.: *See—*
  - Tanaka, Masataka; Ohto, Masao; Sekine, Tetsuo; Takahashi, Hiroshi; and Maruyama, Masaru, 4,846,799, Cl. 604-158.000.
- Hakko Metal Industries Limited: *See—*
  - Yoshimura, Hiroshi, 4,861,169, Cl. 374-179.000.
  - Yoshimura, Hiroshi, 4,861,967, Cl. 219-241.000.
  - Yoshimura, Hiroshi, 4,873,608, Cl. 361-220.000.
- Hakky, Said I. Composition for, and method of, treatment of diabetes. 4,826,684, 5-2-89, Cl. 424-195.100.
- Hako Minuteman, Inc.: *See—*
  - Palmer, Gary E., 4,803,753, Cl. 45-320.000.
  - Smith, Ronald J.; Lerch, Thomas J.; and McLeod, Rick, 4,888,841, Cl. 15-98.000.
- Hakomori, Sen-itiroh; Fukushi, Yasuo; Nudelman, Edward D.; and Levery, Steven B., to Fred Hutchinson Cancer Research Center. Monoclonal antibody that specifically binds to disialosyl Le^a. 4,851,511, 7-25-89, Cl. 530-387.000.
- Hakoyama, Akiyoshi: *See—*
  - Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Toyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,500, Cl. 400-120.000.
- Haku, Hisao: *See—*
  - Watanabe, Kaneo; Matsuoka, Tsugufumi; Nakashima, Yukio; and Haku, Hisao, 4,843,451, Cl. 357-63.000.
- Hakuju Institute For Health Science Co., Ltd.: *See—*
  - Hara, Akikuni; and Ogawa, Yukio, 4,802,470, Cl. 128-24.100.
  - Sato, Toru; and Hasegawa, Toshihisa, 4,807,307, Cl. 4-251.000.
- Hakulinen, Reijo: *See—*
  - Ahonen, Heikki; Hakulinen, Reijo; and Lahti, Eero, 4,865,783, Cl. 264-37.000.
- Hakumoto, Shigeyuki: *See—*
  - Hotomi, Hideo; and Hakumoto, Shigeyuki, 4,824,751, Cl. 430-108.000.
- Hakushin Kogyo Co., Ltd.: *See—*
  - Juhuku, Hiroki, 4,829,895, Cl. 100-126.000.
- Hakuta, Toshikatsu: *See—*
  - Sako, Takeshi; Yokochi, Toshihiro; Sato, Masahito; Suzuki, Osamu; Hakuta, Toshikatsu; Sugeta, Tsutomu; and Nakazawa, Norio, 4,857,329, Cl. 424-195.100.
- Hakuto Co., Ltd.: *See—*
  - Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoaki, 4,799,284, Cl. 15-230.120.
  - Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoaki, 4,800,611, Cl. 15-308.000.
- Haland, Lars Y.; and Karlin, Mats A., to General Engineering (Netherlands) B.V. Safety belt reel assembly. 4,832,280, 5-23-89, Cl. 242-107.000.
- Halasa, Adel F.; Gross, Bill B.; Cox, Joel L.; and Balogh, George F., to Goodyear Tire & Rubber Company, The. Rubber compositions. 4,843,120, 6-27-89, Cl. 525-53.000.
- Halasa, Adel F.; Robertson-Wilcox, Sylvia E.; Zanzig, David J.; Aconti, Richard J.; and Hsu, Wen L., to Goodyear Tire & Rubber Company, The. Anionic diene polymerization process with branching. 4,845,165, 7-4-89, Cl. 526-78.000.
- Halase, John F., III: *See—*
  - Bantel, Thomas E.; Lahrman, David F.; and Halase, John F., III, 4,818,118, Cl. 374-7.000.
- Halasz, Alex: *See—*
  - Langsetmo, Peder K.; Inoue, Masayuki; Douglas, Robert A.; Koenig, Peter M.; and Halasz, Alex, 4,810,099, Cl. 366-168.000.
- Halasz, Andrew; Spinelli, Giuseppe; and Doolittle, David H., to Exxon Chemical Patents Inc. Bitumen composition. 4,878,950, 11-7-89, Cl. 106-273.100.
- Halavais, Richard A. Single-point locating system. 4,819,053, 4-4-89, Cl. 342-353.000.
- Halbach & Braun Industrieanlagen: *See—*
  - Braun, Gert; and Braun, Ernst, 4,867,300, Cl. 198-731.000.
- Halbach, Peter: *See—*
  - Kaiser, Hartmut; Grimm, Daniel; Schnelle, Wilfried; and Halbach, Peter, 4,883,647, Cl. 423-239.000.
- Halbardier, Anna L., to Baker Hughes Incorporated. Method and apparatus for setting, unsetting, and retrieving a packer or bridge plug from a subterranean well. 4,805,699, 2-21-89, Cl. 166-387.000.
- Halbardier, Anna L., to Baker Hughes Incorporated. Method and apparatus for setting, unsetting, and retrieving a packer or bridge plug from a subterranean well. 4,869,325, 9-26-89, Cl. 166-387.000.
- Halbardier, Anna L., heiress: *See—*
  - Halbardier, Floyd A., deceased, 4,796,707, Cl. 166-387.000.
- Halbardier, Floyd A., deceased (by Halbardier, Anna L., heiress), to Baker Hughes Incorporated. Apparatus for setting, unsetting, and retrieving a packer or bridge plug from a subterranean well. 4,796,707, 1-10-89, Cl. 166-387.000.
- Halbeisen, Richard A.; Harding, Stephen S.; and Sebrosky, Robert A., to International Business Machines Corporation. Impact printer print mechanism and method of manufacture. 4,867,059, 9-19-89, Cl. 101-93.290.
- Halberg, Laurie L., to Custom Products of Litchfield, Inc. Carrying rack for a vehicle. 4,854,628, 8-8-89, Cl. 296-3.000.
- Halberschmidt, Friedrich: *See—*
  - Blank, Kurt; Halberschmidt, Friedrich; Reinmold, Heinz-Josef; Audi, Josef; Kaesmacher, Jakob; Reinicke, Ralf; and Niedenhoff, Udo, 4,853,019, Cl. 65-106.000.
- Halbert, Eric H.: *See—*
  - Stevens, Jay M.; and Halbert, Eric H., 4,811,882, Cl. 227-8.000.
- Halbert, Joel M.; and Koen, Myron J., to Burr-Brown Corporation. Sampling wave-form digitizer for dynamic testing of high speed data conversion components. 4,807,147, 2-21-89, Cl. 364-487.000.
- Halbert, Linda D. Toy road boards. 4,842,194, 6-27-89 Cl. 238-10.00B.
- Halbert, Thomas R.; Stiefel, Edward I.; Chianelli, Russell R.; and Ho, Teh C., to Exxon Research and Engineering Company. Promoted molybdenum and tungsten sulfide catalysts, their preparation and use. 4,839,326, 6-13-89, Cl. 502-220.000.
- Halbig, Walter A., to ITEC, Inc. Semiconductor subscriber line interface circuit with enhanced survivability. 4,856,059, 8-8-89, Cl. 379-412.000.
- Halbout, Jean-Marc; Ketchen, Mark B.; Moskowitz, Paul A.; and Scheuermann, Michael R., to International Business Machines Corporation. Detachable high-speed opto-electronic sampling probe. 4,851,7 7-25-89, Cl. 324-158.00P.
- Halbrite Well Services Co. Ltd.: *See—*
  - Weber, James L., 4,811,785, Cl. 166-242.000.
- Halbritter, Guenter: *See—*
  - Kiss, Akos; Kleinschmit, Peter; Hanich, Juergen; Halbritter, Guenter; and Horst, Jenny 4,874,433, Cl. 106-450.000.
- Halbritter, Gunter: *See—*
  - Kiss, Akos; Kleinschmit, Peter; Volker, Werner; and Halbritter, Gunter, 4,806,268, Cl. 252-331.40F.
- Halbritter, Jurgen; and Baumgartner, Hartmut, to Kernforschungszentrum Karlsruhe GmbH. Process for the manufacture of NbN superconducting cavity resonators. 4,857,360, 8-15-89, Cl. 427-62.000.
- Halbritter, Klaus: *See—*
  - Eckhardt, Heinz; Gramlich, Walter; Best, Walter; and Halbritter, Klaus, 4,831,166, Cl. 549-323.000.
  - Gramlich, Walter; Halbritter, Klaus; and Heilen, Gerd, 4,806,670, Cl. 556-371.000.
- Halczenko, Wasyl; Hartman, George; and Pitzenberger, Steven M., to Merck & Co., Inc. Prodrugs of antihypercholesterolemic compounds. 4,837,205, 6-6-89, Cl. 514-25.000.
- Halczenko, Wasyl: *See—*
  - Baldwin, John J.; Habecker, Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., 4,847,289, Cl. 514-445.000.
  - Hartman, George D.; Halczenko, Wasyl; and Phillips, Brian T., 4,808,718, Cl. 546-14.000.
  - Prugh, John D.; Hartman, George D.; and Halczenko, Wasyl, 4,798,831, Cl. 514-253.000.
- Halden, Steen: *See—*
  - Jensen, Niels J.; Sorensen, Michael N.; and Halden, Steen, 4,825,711, Cl. 73-865.800.
- Haldenwanger, Hans-Gunther: *See—*
  - Ufer, Peter; Schaper, Siegfried; Haldenwanger, Hans-Gunther; and [illegible], Ingrid, 4,830,810, Cl. 264-40.100.
- Halder, Ernst; Dinkelmann, Friedrich; Buder, Robert; Fuchs, Uwe; Horak, Dieter; and Schafer, Hans-Heinz, to Zinser Textilmaschinen GmbH. Suction tube for collecting broken ends of yarn at the outlet of a textile machine. 4,825,634, 5-2-89, Cl. 57-305.000.
- Halder, Ernst; Dinkelmann, Friedrich; and Buder, Robert, to Zinser Textilmaschinen GmbH. Means for mounting a suction tube on a textile machine. 4,845,938, 7-11-89, Cl. 57-305.000.
- Halder, Ernst: *See—*
  - Schoeller, Leopold; Schulz, Gunter, and Halder, Ernst, 4,827,709, Cl. 57-281.000.
- Halder, Hans-Joerg, to Carl Freudenberg, Firma. Sleeve bearing 4,878,767, 11-7-89, Cl. 384-140.000.
- Halder, Mathis; and Joder, Andreas, to LGZ Landis & Gyr Zug AG. Circuit arrangement comprising multiplier circuits to find the sum of electrical power outputs for application in multi-phase electricity meters. 4,853,620, 8-1-89, Cl. 324-142.000.
- Halder, Mathis: *See—*
  - Joder, Andreas; Halder, Mathis; and Seitz, Thomas, 4,864,223, Cl. 324-117.00H.
- Haldex Vallalat: *See—*
  - Ferencz, Jozsef; Felmeri, Istvan; and Stum, Rezso, 4,830,741, Cl. 209-173.000.
- Haldric, Bernard; and Feucht, Pascal, to NACAM. Method and device for shaping by hammering a corrugated tube and the application thereof to tubes for the automobile industry. 4,852,380, 8-1-89, Cl. 72-402.000.
- Haldric, Bernard; Benedi, Gregorio; and Baudon nee Chardon, Sylvie, to NACAM. Anti-rotation locking device including a torque limitation for a motor vehicle steering column. 4,854,141, 8-8-89, Cl. 70-182.000.
- Hale, Arthur H.: *See—*
  - Lawson, Horace F.; and Hale, Arthur H., 4,812,244, Cl. 252-8.514.
- Hale, C. David, to Electric Eel Manufacturing Co., Inc. Cable coupler. 4,887,929, 12-19-89, Cl. 403-328.000.
- Hale, Cecil E. Building metal support apparatus and method. 4,809,480, 3-7-89, Cl. 52-702.000.
- Hale, Charles R. Mounting of a topper on a pickup truck. 4,815,787, 3-28-89, Cl. 296-167.000.
- Hale, David E.: *See—*
  - Knight, Harold W.; and Hale, David E., 4,888,903, Cl. 43-1.000.
- Hale, Everett D.; and Hale, Violet E. Cap shaping and drying apparatus. 4,805,782, 2-21-89, Cl. 211-30.000.
- Hale, Everett D.; and Hale Violet E. Sliced bread stacking apparatus. 4,833,861, 5-30-89, Cl. 53-390.000.
- Hale Fire Pump Company: *See—*
  - Eberhardt, H. Alfred, 4,831,886, Cl. 73-861.550.
- Hale, Frank W.: *See—*
  - McCullough, Francis P., Jr.; Hale, Frank W.; Snelgrove, R. Vernon; and Hall, David M., 4,879,168, Cl. 428-224.000.
- Hale, James A., to Greif Bros. Corporation. Self locking cover/bottom for fibre drums. 4,852,792, 8-1-89, Cl. 229-5.500.
- Hale, James D.: *See—*
  - Yao, Ching; Hale, James D.; Crooks, Lawrence E.; and Kaufman, Leon, 4,885,542, Cl. 324-313.000.
- Hale, James L., to Amoco Corporation. Means to facilitate handling of core members and rolls of material. 4,799,721, 1-24-89, Cl. 294-1.100.
- Hale, John G.: *See—*
  - Humbach, Michael J.; and Hale, John G., 4,798,665, Cl. 208-61.000.
- Hale, John R., to Thomson Consumer Electronics, Inc. Universal stem mold for manufacturing a molded glass stem. 4,813,991, 3-21-89, Cl. 65-139.000.
- Hale, John R., to Thomson Consumer Electronics, Inc. Universal stem mold apparatus. 4,813,992, 3-21-89, Cl. 65-140.000.
- Hale, John R., to Thomson Consumer Electronics, Inc. Marker pin for a universal stem mold. 4,824,459, 4-25-89, Cl. 65-59.260.
- Hale, John R., to Thomson Consumer Electronics, Inc. Universal lower stem mold for manufacturing a molded glass stem. 4,859,226, 8-22-89, Cl. 65-139.000.
- Hale, Joseph F.: *See—*
  - Bickerstaff, Alan E.; Collier, Barry J.; Hale, Joseph F.; Hitchmough, Peter M.; Pitts, Ian; Rasul, Ghulam; Saggers, Barry; Smyth, Kevin J.; Stevenson, Duncan; and Stewart, Mark A., 4,870,446, Cl. 355-282.000.
  - Collier, Barry J.; Hale, Joseph F.; and Pitts, Ian, 4,870,445, Cl. 355-282.000.
- Hale, Mitchell W.: *See—*
  - Vogt, Thomas C., Jr.; Hale, Mitchell W.; and Sellers, Jay R., 4,869,322, Cl. 166-280.000.
- Hale, Ronald G.; Woodley, Thomas R.; and Tornstrom, Paul K., to Synthetic Products Company. Stain-resistant antimony organic sulfur-containing compounds and vinyl halide resins containing same. 4,806,270, 2-21-89, Cl. 252-400.540.
- Hale, Stanley N.; Rak, Thomas; Rowicki, Duane H.; and Ho, Chin P., to Movats Incorporated. Method and apparatus for remote monitoring of valves and valve operators. 4,869,102, 9-26-89, Cl. 73-168.000.
- Hale, Stanley N.: *See—*
  - Charbonneau, Arthur G.; Hale, Stanley N.; and Sayed, Edmond A., 4,831,873, Cl. 73-168.000.
- Hale, Violet E.: *See—*
  - Hale, Everett D.; and Hale, Violet E., 4,805,782, Cl. 211-30.000.
  - Hale, Everett D.; and Hale Violet E., 4,833,861, Cl. 53-390.000.
- Hale, William J.; and Paganini, Bruno J., to NCR Corporation. Electronic copy board system. 4,864,411, 9-5-89, Cl. 358-494.000.
- Halemane, Thirumala R.; and Korotky, Steven K., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Faser cavity optical memory with optical storage and readout. 4,877,952, 10-31-89, Cl. 250-213.00A.
- Hales, Neil J.: *See—*
  - Edwards, Philip N.; Hales, Neil J.; and Young, Derek W., 4,833,135, Cl. 514-212.000.
- Halevy, Ben-Zion. Razor blade unit. 4,813,137, 3-21-89, Cl. 30-50.000.

Haley, David L.: *See—*
Watson, Stuart L., Jr.; Hostler, Paul H.; and Haley, David L., 4,816,494, Cl. 521-137.000.

Haley, Jerry L.; and Wood, Dennis R., to Atlantic Richfield Company. Actuation indicator for downhole tools. 4,830,104, 5-16-89, Cl. 166-214.000.

Haley, Jerry L.; Barber, Weldon H.; and Morris, Kavin J., to Atlantic Richfield Company. Wellbore fluid sampling apparatus. 4,871,019, 10-3-89, Cl. 166-167.000.

Haley, John E.: *See—*
Nickles, Stephen K.; Wienck, Lynn K.; and Haley, John E., 4,827,438, Cl. 364-578.000.
Nickles, Stephen K.; Surjaatmadja, Jim B.; Haley, John E.; and Wienck, Lynn K., 4,853,883, Cl. 364-578.000.

Haley, Paul H., to Westinghouse Electric Corp. Robot system employing force/position control. 4,808,063, 2-28-89, Cl. 414-730.000.

Haley, Thomas W.; Drits, Vladimir; and Johnson, Dale R., to Innovex Inc. Method of manufacturing multiwire lead assemblies. 4,819,329, 4-11-89, Cl. 29-860.000.

Haley, William J.: *See—*
Schneider, Karl F.; Haley, William J.; and Miller, Alan L., 4,875,561, Cl. 192-0.033.

Halfacre, J. Wayne, to Sunbeam Plastics Corporation. Tamper indicating container-closure package. 4,852,751, 8-1-89, Cl. 215-32.000.

Halfman, Clarke J., to University of Health Sciences/The Chicago Medical School. Fluorescence ligand binding assay using charge-matched dye and solvent components. 4,816,419, 3-28-89, Cl. 436-546.000.

Halfon, Yosef; and Hadar, Uzi, to Shekel Electronics-Scales Beit Keshet Electronics. Point-of-sale apparatus. 4,881,606, 11-21-89, Cl. 177-126.000.

Halford, Christopher J.: *See—*
Decker, John A., Jr.; Decker, Linda M.; and Halford, Christopher J., 4,873,907, Cl. 84-291.000.

Halford, Robert J., to Cray Research, Inc. Peripheral interface system. 4,807,121, 2-21-89, Cl. 364-200.000.

Halford, Thomas H.: *See—*
Holston, Robert W.; and Halford, Thomas H., 4,858,204, Cl. 367-141.000.

Halford, Wayne R.: *See—*
Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., 4,844,475, Cl. 273-311.000.

Halgren, Larry R.: *See—*
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Halim, Raouf: *See—*
Dittakavi, Ashok; Richards, Robert L.; and Halim, Raouf, 4,852,151, Cl. 379-97.000.

Halkola, Kyle G.: *See—*
Tustaniwskyj, Jerry I.; and Halkola, Kyle G., 4,879,629, Cl. 361-385.000.

Hall, Adrian J.: *See—*
Page, Steven J.; Wills, Derek P. M.; Lowe, Barry M.; Brown, John G.; Curtis, Neil J.; Hall, Adrian J.; and Holmes, Kim P., 4,849,893, Cl. 364-434.000.

Hall, Alan J.; Kirk, Frank A.; Patterson, Alan M.; and Paxton, Peter M., to Imperial Chemical Industries, PLC. Apparatus and method for forming pellets. 4,818,450, 4-4-89, Cl. 264-39.000.

Hall, Alasdair S.: *See—*
Young, Ian R.; and Hall, Alasdair S., 4,882,560, Cl. 335-299.000.

Hall, Anson L. Support for eating utensils. 4,834,328, 5-30-89, Cl. 248-37.300.

Hall, Arthur, III, to General Motors Corporation. Control system for a hydraulic retarder. 4,836,341, 6-6-89, Cl. 188-290.000.

Hall, Arthur, III; and Combs, Robert F., to General Motors Corporation. Steer-by-driving transmission with ground speed control. 4,860,613, 8-29-89, Cl. 74-687.000.

Hall, Arthur, III, to General Motors Corporation. Brake apply system with a differential mechanism. 4,860,869, 8-29-89, Cl. 192-93.00A.

Hall, Charles E., to Medeco Security Locks, Inc. Removable core lock. 4,866,964, 9-19-89, Cl. 70-369.000.

Hall, Charles E.: *See—*
Bogese, Stephen B., II; and Hall, Charles E., 4,874,330, Cl. 439-418.000.

Hall Chemical Company, The: *See—*
Sefton, Verner B.; Fox, Robert; and Lorenz, William P., 4,861,565, Cl. 423-55.000.

Hall, Christopher, to Schlumberger Technology Corporation. Monitoring drilling mud circulation. 4,807,469, 2-28-89, Cl. 73-155.000.

Hall, Christopher M., to National Semiconductor Corporation. Status register bit and delta. 4,797,652, 1-10-89, Cl. 340-146.200.

Hall, Christopher W. G., to Pilkington Brothers P.L.C. Impact-resistant laminate. 4,812,359, 3-14-89, Cl. 428-332.000.

Hall, Christopher W. G.: *See—*
Hand, Derek L. A.; and Hall, Christopher W. G., 4,817,347, Cl. 52-171.000.

Hall, Dale R.; and Keller, Dennis J., to B. F. Goodrich Company, The. Soft thermoplastic polyurethane for blown film application. 4,877,856, 10-31-89, Cl. 528-44.790.

Hall, Daniel W.: *See—*
Fuhrman, William J.; Hall, Daniel W.; and Schneider, John C., 4,878,370, Cl. 72-264.000.

Hall, David: *See—*
Schwartz, Leo; and Hall, David, 4,847,945, Cl. 16-30.000.

Hall, David B., to Litton Systems, Inc. Apparatus and method for optical signal source stabilization. 4,842,358, 6-27-89, Cl. 350-96.150.

Hall, David B., to Litton Systems, Inc. Polarization maintaining fiber interferometer and method for source stabilization. 4,887,900, 12-19-89, Cl. 356-350.000.

Hall, David E.: *See—*
Cox, David; Hall, David E.; Ingall, Anthony H.; and Suschitzky, John L., 4,851,419, Cl. 514-338.000.

Hall, David J.; Sanderson, Neil E.; and Hall, Edward F. H., to VG Instruments Group Limited. Glow discharge mass spectrometer. 4,853,539, 8-1-89, Cl. 250-288.000.

Hall, David M.: *See—*
McCullough, Francis P., Jr.; and Hall, David M., 4,837,076, Cl. 428-224.000.
McCullough, Francis P., Jr.; Snelgrove, R. Vernon; Lane, Eckel R.; and Hall, David M., 4,844,974, Cl. 428-288.000.
McCullough, Francis P., Jr.; and Hall, David M., 4,869,951, Cl. 428-229.000.
McCullough, Francis P., Jr.; Lane, Eckel R.; Goswami, Bhuvenesh C.; and Hall, David M., 4,869,962, Cl. 428-408.000.
McCullough, Francis P., Jr.; Hale, Frank W.; Snelgrove, R. Vernon; and Hall, David M., 4,879,168, Cl. 428-224.000.

Hall, David R., to Smith International, Inc. Polycrystalline diamond bearing system for a roller cone rock bit. 4,802,539, 2-7-89, Cl. 175-329.000.

Hall, David R.; and Clark, Warren J., to HCC Corporation. Bicycle air pump restraining device. 4,803,857, 2-14-89, Cl. 70-58.000.

Hall, Deborah K.: *See—*
Maloney, William F.; and Hall, Deborah K., 4,865,551, Cl. 434-271.000.
Maloney, William F.; Hall, Deborah K.; Parkinson, Dean B.; Bergren, Orton D.; and Dodge, Allen L., 4,865,552, Cl. 434-271.000.

Hall, Dennis G.; and Brown, Thomas G., to University of Rochester, The. Silicon based light emitting devices. 4,827,318, 5-2-69, Cl. 357-1.000.

Hall, Donald H.: *See—*
Teaford, Richard L.; Honkomp, Glenn A.; and Hall, Donald H., 4,833,049, Cl. 429-181.000.

Hall, Donald O. Gas-fired heater means. 4,794,908, 1-3-89, Cl. 126-112.000.

Hall, Dornese; and Bui, Hung Q., to Texaco Inc. Method for thermal stimulation of a subterranean reservoir and apparatus therefor. 4,807,701, 2-28-89, Cl. 166-272.000.

Hall, Douglas O., to Eastman Kodak Company. Web guiding apparatus. 4,833,496, 5-23-89, Cl. 354-338.000.

Hall, Douglas O., to Eastman Kodak Company. X-ray film processor rack. 4,853,728, 8-1-89, Cl. 354-320.000.

Hall, Duane O., to Dynatronics Laser Corporation. Interferential electrical current therapy systems and methods. 4,848,347, 7-18-89, Cl. 128-420.00A.

Hall, E. Winthrop, Jr. Surface-finishing member. 4,841,684, 6-27-89, Cl. 51-400.000.

Hall, Edward A.: *See—*
Berneking, William D.; and Hall, Edward A., 4,827,271, Cl. 343-700.0MS.

Hall, Edward F. H.: *See—*
Hall, David J.; Sanderson, Neil E.; and Hall, Edward F. H., 4,853,539, Cl. 250-288.000.

Hall, Ford W. Apparatus for cleaning algae and debris from a water treatment tank. 4,830,748, 5-16-89, Cl. 210-241.000.

Hall, Garth O.; and Tengler, Harvey N., to Bostrom Seating, Inc. Constant natural frequency, mechanical spring seat suspension. 4,880,201, 11-14-89, Cl. 248-575.000.

Hall, Gavin M.: *See—*
LeBlanc, Kenneth L.; and Hall, Gavin M., 4,851,610, Cl. 174-35.00R.

Hall, George, II: *See—*
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Hall, George D., to American Sterilizer Company. Operating table. 4,865,303, 9-12-89, Cl. 269-325.000.

Hall, George D.: *See—*
Bohusch, Glen D.; Hall, George D.; and Shostek, Edward M., 4,833,972, Cl. 91-465.000.

Hall, George R., II: *See—*
Barnett, Daniel C.; and Hall, George R., II, 4,799,394, Cl. 73-864.810.

Hall, Iris H.; Griffin, Thomas S.; and Docks, Edward L., to United States Borax & Chemical Corporation. Antihyperlipidemic amines. 4,845,130, 7-4-89, Cl. 514-663.000.

Hall, Iris H.; Wyrick, Steven D.; and Chapman, James M., Jr., to Research Corporation. 2,3-dihydrophthalazine-1,4-diones. 4,861,778, 8-29-89, Cl. 514-248.000.

Hall, Iris H.; and Wyrick, Steven D., to Research Corporation. N,N-diaminophthalamides. 4,863,967, 9-5-89, Cl. 514-615.000.

Hall, Iris H.: *See—*
Izydore, Robert A.; and Hall, Iris H., 4,866,058, Cl. 514-241.000.
Spielvogel, Bernard F.; McPhail, Andrew T.; and Hall, Iris H., 4,855,493, Cl. 562-575.000.

Hall, Jacquelyn L. O.: *See—*
Hall, S. Warren; and Hall, Jacquelyn L. O., 4,802,579, Cl. 206-366.000.

Hall, James B.; Robinson, Martin G.; and Swift, Ronald C., to Motorola, Inc. Gettering process for semiconductor wafers. 4,878,98 11-7-89, Cl. 156-600.000.

Hall, James B.; and Sheff, Sumner, to Motorola Inc. Method of reducing defects on semiconductor wafers. 4,885,056, 12-5-89, Cl. 156-662.000.

Hall, James H., Jr.: *See—*
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Hall, James W.; Popelier, Maurice A.; Klimmer, Josef W.; West, Neil L.; and Peters, Loren W., to Deere & Company. Axial flow rotary separator. 4,884,994, 12-5-89, Cl. 460-66.000.

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Hall, John H.; and Watson, Robert N. Machine knitted fabrics. 4,835,989, 6-6-89, Cl. 66-203.000.

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Hall, John L.; Fenzel, David T.; and Shamine, Dennis R., to Allied-Signal Inc. Fan clutch. 4,830,161, 5-16-89, Cl. 192-91.00A.

Hall, John L.; and Zhu, Miao, to University Patents, Inc. Method and appartus for laser control. 4,856,009, 8-8-89, Cl. 372-32.000.

Hall, John M., to Rix Industries. Sealed, self-contained, liquid-cooled, gas compressor. 4,802,826, 2-7-89, Cl. 417-243.000.

Hall, John M.; Hurd, Roger; and Wright, Geoffrey H. E., to Rolls-Royce plc. Rockets. 4,841,724, 6-27-89, Cl. 60-245.000.

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Hall, Johnce E., to Amoco Corporation. Flexible flowline connection to a subsea wellhead assembly. 4,820,083, 4-11-89, Cl. 405-169.000.

Hall, Johnce E.; and Penny, Samuel L., to Amoco Corporation. Subsea template and method for using the same. 4,822,212, 4-18-89, Cl. 405-227.000.

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Hall, Keith; Esvang, Robert L., Jr.; and DiLorenzo, Ralph N., to Apco/Valve and Primer Corporation. Air throttling valve for submerged pump system. 4,834,621, 5-30-89, Cl. 417-297.000.

Hall, Keith; Freedman, Philip A.; Jumeau, Elizabeth J.; Guilluy, Roger; and Pachiaudi, Christiane, to VG Instruments Group Limited. Method and apparatus for the determination of isotopic composition. 4,866,270, 9-12-89, Cl. 250-282.000.

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Hall, Kenneth B., to United Technologies Corporation. Dirt removal means for air cooled blades. 4,820,123, 4-11-89, Cl. 416-97.00R.

Hall, Kenneth B.; and Landis, Kenneth K., to United Technologies Corporation. Method of fabricating an air cooled turbine blade. 4,827,587, 5-9-89, Cl. 29-156.80B.

Hall, Kenneth B.; and Landis, Kenneth K., to United Technologies Corporation. Cooled gas turbine blade. 4,859,147, 8-22-89, Cl. 416-97.00R.

Hall, Kenneth R.: *See—*
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Hall, Lance L.; and Schwarz, W. Peter. Opposed rebounding exercise device. 4,824,100, 4-25-89, Cl. 272-65.000.

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Hall, Morley, to Minverose Limited. Portable coin holder and dispenser. 4,836,365, 6-6-89, Cl. 206-0.830.

Hall, Morris D. Removable fuel tank filter. 4,861,478, 8-29-89, Cl. 210-416.400.

Hall, Nelson W.; and Smith, Gregory, to Swath Ocean Systems, Inc. Forward deck construction for a swath or catamaran-type vessel. 4,867,090, 9-19-89, Cl. 114-61.000.

Hall, Peter R., to British Aerospace Public Limited Co. Aiming systems. 4,804,843, 2-14-89, Cl. 250-330.000.

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Hall, Randall C., to O. I. Corporation. Photoionization detector for gas chromatography. 4,804,846, 2-14-89, Cl. 250-379.000.

Hall, Randolph L.; Woodberry, Frank J.; and Southwell, William H., to Rockwell International Corporation. Spectral filter with integral antireflection coating. 4,826,267, 5-2-89, Cl. 350-1.600.

Hall, Raymond J., to Compair Power Tools Limited. Safety valve. 4,811,756, 3-14-89, Cl. 137-498.000.

Hall, Richard A., Sr. Hopper transport for injection molding. 4,876,043, 10-24-89, Cl. 264-39.000.

Hall, Richard E.; Zeh, Peter H.; and Jueneman, Frederic B., to FMC Corporation. Process for purifying phosphoric acid for electrical semiconductor use. 4,804,526, 2-14-89, Cl. 423-321.00R.

Hall, Richard G.: *See—*
Maltby, Frederick L.; Hall, Richard G.; Kramer, Jonathan L.; Hoopes, Howard S.; and Petersen, Steven R., 4,849,754, Cl. 340-870.380.

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Hall, Robert M., to Rust-Oleum Corporation. Wood coating composition from alkyd resin, PTFE and microcrystalline wax. 4,857,578, 8-15-89, Cl. 524-488.000.

Hall, S. Forrest. Apparatus for evaporating a liquid in a gas stream. 4,846,858, 7-11-89, Cl. 55-240.000.

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Hall, Troy L. Core slabbing machine. 4,864,906, 9-12-89, Cl. 83-886.000.

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- Hall, William T., to Du Pont de Nemours, E. I., and Company. Divalent metal salts improve compositions of asymmetrical triazine mixtures. 4,838,927, 6-13-89, Cl. 71-93.000.
- Halladay, Allan W., Jr., to Halladay Incorporated. Lottery ticket. 4,850,618, 7-25-89, Cl. 283-94.000.
- Halladay Incorporated: *See—*
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- Hallal, Alfred J.; Arsenault, John; and Guillemette, Robert, to Canadian Patents & Development Limited. Antiballistic composite armor. 4,868,040, 9-19-89, Cl. 428-251.000.
- Hallam, Donald E.; Popper, Peter; Staunton, Harold F.; Taylor, Robert E.; and Yngve, Paul W., to Du Pont de Nemours, E. I., and Company. Apparatus and process for forming alternate twist plied yarn. 4,873,821, 10-17-89, Cl. 57-293.000.
- Hallam, Keith J., to Thrall Car Manufacturing Co. Hopper car automatic discharge door mechanism with operating lever adjustable support. 4,829,908, 5-16-89, Cl. 105-240.000.
- Hallam, Keith J.; and Smith, Kenneth H., to Thrall Car Manufacturing Company. Aluminum hopper car with cast collars interconnecting intersecting center sill hood with ridge hood and sloped end walls. 4,884,511, 12-5-89, Cl. 105-247.000.
- Hallam, Keith J.: *See—*
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- Hallay, Gary K. Decorative article for a magnetizable surface. 4,835,024, 5-30-89, Cl. 428-24.000.
- Hallberg, Bengt O.; and Rislund, Sten H. Frequency and output regulation in laser diodes. 4,829,533, 5-9-89, Cl. 372-29.000.
- Hallberg, Carl R., to A/S Platon. Device for stabilizing bulk material. 4,798,498, 1-17-89, Cl. 405-258.000.
- Hallberg, Thomas: *See—*
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- Hallberg, Wilfried; Jekat, Herbert; Schutz, Erwin; Stork, Kurt; and Vollbrecht, Heinz-Rudiger, to SKW Trostberg Aktiengesellschaft. Method of extracting hop pellets with liquified carbon dioxide. 4,828,867, 5-9-89, Cl. 426-600.000.
- Hallden-Abberton, Michael P.; Cohen, Leslie A., and Wood, Robert S., to Rohm and Haas Company. Process for manufacturing low-acid, glutaric-anhydride-containing copolymers. 4,874,824, 10-17-89, Cl. 525-379.000.
- Halldorsson, Thorsteinn; Seiffarth, Ernst-August; and Manhart, Sigmund, to Messerschmitt-Bolkow-Blohm GmbH. Radiation position detection using time-indicative variable-length fiber array. 4,825,063, 4-25-89, Cl. 250-203.00R.
- Halle, Eberhard: *See—*
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  - Muller, Jurgen; and Halle, Eberhard, 4,869,359, Cl. 198-419.200.
- Halle, Linda F., to Aerospace Corporation, The. Photoresist process of fabricating microelectronic circuits using water processable diazonium compound containing contrast enhancement layer. 4,804,614, 2-14-89, Cl. 430-311.000.
- Hallemann, Raymond F.: *See—*
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- Hallen Company: *See—*
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  - Allen, Herbert, 4,845,844, Cl. 30-1.500.
- Hallenbach, Werner; and Lindel, Hans, to Bayer Aktiengesellschaft. 5-Aminopyridine compounds. 4,847,382, 7-11-89, Cl. 546-311.000.
- Hallenbach, Werner: *See—*
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  - Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,863,939, Cl. 514-357.000.
- Hallenbeck, Gordon R.: *See—*
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- Hallenbeck, Kirby S., to Intel Corporation. EPROM latch circuit. 4,803,659, 2-7-89, Cl. 365-94.000.
- Hallenbeck, Richard A.; and Tu, Minh Q., to Pitney Bowes Inc. Stepper motor driver control circuit. 4,829,222, 5-9-89, Cl. 318-696.000.
- Hallenburg, Douglas J.; Clark, Alan C.; and Hambrick, James L., to Lubrizol Corporation, The. Process for recovering and purifying unreacted acrylonitrile from the waste stream in the manufacture of 2-acrylamido-2-methyl propane sulfonic acid. 4,808,344, 2-28-89, Cl. 260-513.00N.
- Haller, Bernd; Herkner, Ernst; Murray, Peter; Riesenberg, Volker; Schnatwinkel, Michael; Schulze, Rainer; Wagner, Georg; and Wilmes, Manfred, to C. A. Weidmuller GmbH & Co. Support assembly for an electrical terminal housing. 4,878,859, 11-7-89, Cl. 439-716.000.
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- Haller, Ivan, to International Business Machines Corporation. Easily manufacturable thin film transistor structures. 4,888,632, 12-19-89, Cl. 357-23.700.
- Haller, Melita A.; and Klossner, David J., to International Business Machines Corp. Crimping apparatus. 4,848,131, 7-18-89, Cl. 72-399.000.
- Haller, Peter H.: *See—*
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- Hallerback, Stig, to AB SKF. Clutch release bearing assembly. 4,796,743, 1-10-89, Cl. 192-98.000.
- Hallerback, Stig, to SKF Nova AB. Gear wheel. 4,799,918, 1-24-89, Cl. 474-161.000.
- Hallerback, Stig, to SKF Nova AB. Driving wheel with a belt pulley. 4,804,354, 2-14-89, Cl. 474-902.000.
- Hallermayer, Klaus; Looser, Siegfrid; and Katus, Hugo, to Boehringer Mannheim GMBH. Specific antibody against heart muscle light chains, a process for the preparation thereof and a reagent containing it. 4,879,216, 11-7-89, Cl. 435-7.000.
- Hallett, Douglas J., to Eli-Eco Logic Inc. Process for the destruction of organic waste material. 4,819,571, 4-11-89, Cl. 110-346.000.
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- Hallett, Robert; and Ketelaar, Edward, Jr. Alarm apparatus for a freezer. 4,855,721, 8-8-89, Cl. 340-585.000.
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- Hallett, Thomas D.; and Bierdeman, Donald H., to SkiDeer, Inc. Drag reducing apparatus. 4,887,823, 12-19-89, Cl. 280-19.000.
- Halleux, Jacques, to Centre De Recherches Metallurgiques-centrum Voor Research in de Metallurgie. Surface treatment of a rolling mill roll. 4,847,112, 7-11-89, Cl. 427-53.100.
- Halleux, Jacques: *See—*
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- Hallewell, Robert A.: *See—*
  - Edman, Jeffrey C.; Rutter, William J.; Hallewell, Robert A.; Valenzuela, Pablo D. T.; and Goodman, Howard M., 4,820,642, Cl. 435-252.330.
- Halley, David G., to Weyerhaeuser Company. Classifier. 4,848,60 7-18-89, Cl. 209-319.000.
- Hallez, Charles P., to Diamant Boart. Cutting arm. 4,856,719, 8-15-89 Cl. 241-200.000.
- Hallez, Charles P., to Diamant Boart Societe Anonyme. Device for closing a core barrel installed in a drilling rig. 4,887,676, 12-19-89, Cl. 175-250.000.
- Hallez, Charles Pierre, to Diamant Boart S.A. Device to control the locking of a boring corer. 4,832,138, 5-23-89, Cl. 175-247.000.
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  - Bolon, Donald A.; Eddy, Victoria J.; and Hallgren, John E. 4,855,199, Cl. 430-18.000.
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  - Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853,42 Cl. 523-428.000.
  - Wengrovius, Jeffrey H.; Hallgren, John E.; Stein, Judith; and Lucas, Gary M., 4,863,992, Cl. 524-731.000.
- Halliburton Company: *See—*
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  - Allen, John T.; Pitts, Alan J.; Roberts, Don M.; and Cogbill, Randall B., 4,850,423, Cl. 165-5.000.
  - Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.
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  - Bradley, Billie J.; Giroux, Richard L.; and Joyce, Allen T. 4,875,524, Cl. 166-241.000.
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  - Ringgenberg, Paul D., 4,817,723, Cl. 166-321.000.
  - Ringgenberg, Paul D.; and Barrington, Burchus O., 4,848,463, Cl. 166-250.000.
  - Schwendemann, Kenneth L.; and Noack, Timothy J., 4,880,060, Cl. 166-336.000.
  - Soliman, Mohamed Y., 4,828,028, Cl. 166-250.000.
  - Soliman, Mohamed Y., 4,836,280, Cl. 166-250.000.
  - Stegemoeller, Calvin L.; and Davis, Gail F., 4,802,141, Cl. 366-132.000.
  - Stegemoeller, Calvin L.; Davis, Gail F.; and Walker, Lonnie R., 4,850,701, Cl. 366-132.000.
  - Streich, Steven G., 4,823,881, Cl. 166-382.000.
  - Streich, Steven G.; and Hushbeck, Donald F., 4,834,184, Cl. 166-376.000.
  - Watson, Brock W.; and Freeman, T. Austin, 4,858,687, Cl. 166-153.000.
  - Wesson, David S.; and George, Kevin R., 4,836,109, Cl. 102-312.000.
  - White, Kevin M.; and Beck, Harold K., 4,856,585, Cl. 166-250.000.
  - Wienck, Dennis A., 4,858,477, Cl. 73-863.540.
  - Zimmer, Mark D., 4,797,668, Cl. 340-857.000.
  - Zimmer, Mark D., 4,808,996, Cl. 340-858.000.
  - Zunkel, Gary D., 4,877,086, Cl. 166-106.000.
  - Zunkel, Gary D.; Beck, H. Kent; and Christensen, Jon B., 4,883,123, Cl. 166-264.000.
- Halliburton Geophysical Services, Inc.: *See—*
  - Harrison, Earnest R., 4,825,973, Cl. 181-120.000.
  - Harrison, Earnest R., 4,858,205, Cl. 367-144.000.
  - Sallas, John J.; Weber, Richard M.; and Lamance, David S., 4,855,967, Cl. 367-190.000.
- Halliburton, Harold H.; and Moseley, Mark S., to Rowe Furniture Corporation. Fabric projection system. 4,887,898, 12-19-89, Cl. 353-28.000.
- Halliburton Logging Services, Inc.: *See—*
  - Arnold, Dan M., 4,861,986, Cl. 250-260.000.
  - Baird, Gary K., 4,384,439, Cl. 73-155.000.
  - Barr, Frederick J., Jr.; Beasley, Thomas R.; and Piggin, Richard H., 4,873,675, Cl. 367-57.000.
  - Barrett, Pat B., 4,827,823, Cl. 89-1.150.
  - Gadeken, Larry L.; and Arnold, Dan M., 4,825,071, Cl. 250-256.000.
  - Gadeken, Larry L.; and Smith, Harry D., Jr., 4,857,729, Cl. 250-260.000.
  - Gilbert, Gregory N., 4,845,982, Cl. 73-151.000.
  - Gilbert, Gregory N., 4,879,900, Cl. 73-155.000.
  - Gold, Randy; and Smith, Darren E., 4,842,355, Cl. 350-96.200.
  - Hrametz, Andrew A.; and King, William B., 4,852,401, Cl. 73-155.000.
  - Ip, Matthew, 4,874,327, Cl. 439-275.000.
  - Kerzner, Mark G., 4,853,855, Cl. 364-422.000.
  - Kessler, Galvin W., 4,827,765, Cl. 73-155.000.
  - Minear, John W.; and Rathmann, David C., 4,869,349, Cl. 181-102.000.
  - Moake, Gordon L., 4,849,627, Cl. 250-255.000.
  - Phillips, William E., 4,845,616, Cl. 364-422.000.
  - Purfurst, Ernest H.; and Baird, Gary K., 4,843,878, Cl. 73-155.000.
  - Rankin, E. Edward; Hensley, Donald E.; and Tomek, Martin L., 4,844,161, Cl. 166-250.000.
  - Rankin, Emmitt E., 4,884,632, Cl. 166-65.100.
  - Smith, Harry D., Jr.; and Gadeken, Larry L., 4,825,073, Cl. 250-260.000.
  - Smith, Harry D., Jr., 4,857,728, Cl. 250-260.000.
  - Stuart-Bruges, William P., 4,852,070, Cl. 367-81.000.
  - Tomek, Martin L., 4,842,059, Cl. 166-65.100.
- Halliburton Services: *See—*
  - Bowlin, David A.; and Seyman, Michael J., 4,880,468, Cl. 106-98.000.
  - Himes, Ronald E.; and Vinson, Edward F., 4,842,073, Cl. 166-294.000.
  - Hollenbeck, Keith H.; and Norman, Lewis R., 4,809,783, Cl. 166-307.000.
  - Sommers, Kenneth C.; Wesson, David S.; and George, Kevin R., 4,889,183, Cl. 166-55.000.
  - Wesson, David S.; McMahan, Michael E.; and George, Flint R., 4,804,044, Cl. 166-297.000.
- Halliday, Bruce W.: *See—*
  - Archer, Timothy H. V.; and Halliday, Bruce W., 4,831,385, Cl. 346-1.100.
- Halliday, William G., Jr.; and Dwenger, Douglas J., to General Motors Corporation. Removable seal protector and shaft insertion guide. 4,815,884, 3-28-89, Cl. 403-13.000.
- Halliden, Paul W.: *See—*
  - Beker, Henry J.; Halliden, Paul W.; and Friend, John M. K., 4,890,323, Cl. 380-25.000.
- Hallidy, William M.; and Bossler, Robert B., Jr., to Western Gear Corporation. Linear actuator. 4,827,789, 5-9-89, Cl. 74-424.80B.
- Hallihan, Timothy J.: *See—*
  - Russell, Frank S.; and Hallihan, Timothy J., 4,873,854, Cl. 72-12.000.
- Halling, Horace P.; Barrett, Robert A.; and Woozley, Mark E., to EG&G Pressure Science, Inc. Pressure balanced S-seal. 4,813,692, 3-21-89, Cl. 277-236.000.
- Halling, Horace P.; Barrett, Robert A.; and Woozley, Mark E., to EG&G Pressure Science, Inc. Pressure balanced metallic S-seal. 4,854,600, 8-8-89, Cl. 277-236.000.
- Halling, Peter J.; and Macrae, Alasdair R., to Lever Brothers Company. Fat processing. 4,863,860, 9-5-89, Cl. 435-134.000.
- Hallings, Leonard L.; and Steiner, Richard W., to MDT Corporation. Quick release focusing handle for surgical lights. 4,878,156, 10-31-89, Cl. 362-109.000.
- Hallman, John H.; Powers, Theodore C.; and Thomas, Peter B., Jr., to Sundstrand Corporation. Centrifugal liquid pump with cavitation surge suppression. 4,844,691, 7-4-89, Cl. 415-169.100.
- Hallman, Steven J.: *See—*
  - Kimbrough, Scott S.; Chalasani, Rao M.; and Hallman, Steven J., 4,828,061, Cl. 180-79.100.
  - Kimbrough, Scott S.; and Hallman, Steven J., 4,842,089, Cl. 180-79.100.
- Hallmark Cards, Incorporated: *See—*
  - Robinson, Richard A.; and Brown, William E., 4,869,767, Cl. 156-233.000.
- Hallmark, Richard K.; and Moss, Ernest K., to Sloss Industries Corporation. Distilled products of polyethylene terephthalate polymers and polycarboxylic acid-containing polyols and polymeric foams obtained therefrom. 4,853,419, 8-1-89, Cl. 521-172.000.
- Hallmark, Richard K.; Skowronski, Michael J.; and Stephens, William D., to Sloss Industries Corporation. Digestion products of polyalkylene terephthalate polymers and polycarboxylic acid-containing polyols and polymeric foams obtained therefrom. 4,873,268, 10-10-89, Cl. 521-48.500.
- Hallock, David B., to Rockwell International Corporation. Digital FM demodulator signal-to-noise improvement. 4,839,606, 6-13-89, Cl. 329-107.000.
- Hallock, Robert B.; Manzik, Stephen J.; Mitchell, Thomas; and Hui, Benjamin C., to Morton Thiokol, Inc. Process for preparing or purifying Group III-A organometallic compounds. 4,847,399, 7-11-89, Cl. 556-1.000.
- Halloran, John W.: *See—*
  - Novich, Bruce E.; and Halloran, John W., 4,882,304, Cl. 501-32.000.
- Halls, Gary L. Rudder assembly. 4,867,092, 9-19-89, Cl. 114-162.000.
- Halls, Neil G.; and Tomlinson, Roderick P. J., to Soltec Research Pty. Ltd. Aerosol product. 4,882,182, 11-21-89, Cl. 426-116.000.
- Hallstrom, Olof A., Jr. Reciprocating conveyor. 4,856,645, 8-15-89, Cl. 198-750.000.
- Halm, Hans, to Confon AG. Telephone index. 4,864,751, 9-12-89, Cl. 40-381.000.
- Halm, Jan H.; Post, Leonardus H. J.; van Otterdijk, Johannes F.; and van der Stelt, Paul F., to U.S. Philips Corporation. Dental X-ray examination apparatus. 4,829,548, 5-9-89, Cl. 378-38.000.
- Halm, Roland L.: *See—*
  - Chadwick, Kirk M.; Halm, Roland L.; and Keyes, Brian K., 4,888,435, Cl. 556-469.000.
- Halm, Rudolf, to European Space Agency/Agence Spatiale Europeenne. Parabolic reflector antennas and method of making same. 4,860,023, 8-22-89, Cl. 343-912.000.
- Halmagyi, Tibor: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin. 4,866,043, Cl. 514-75.000.

Halme, Erkki: *See—*
Koskimies, Salme; Rantanen, Leena; Kivi, Jouni; and Halme, Erkki, 4,816,610, Cl. 585-514.000.
Halmose, John M.: *See—*
Sepso, Roger P.; and Halmose, John M., 4,869,290, Cl. 137-513.300.
Halmstad, Terrence R.; and Schachameyer, Steven R., to Eaton Corporation. Aluminum electrical connector with threaded opening having electroplated layer of uniform thickness. 4,861,290, 8-29-89, Cl. 439-810.000.
Halotek Ltd.: *See—*
Kramer, Charles J., 4,848,863, Cl. 350-3.710.
Halpaap, Reinhard; Klein, Gerhard; Richter, Roland; Muller, Hanns P.; Pedain, Josef, and Kreuder, Hans-Joachim, to Bayer Aktiengesellschaft. Isocyanurate group-containing polyisocyanates. 4,851,531, 7-25-89, Cl. 544-222.000.
Halpaap, Reinhard: *See—*
Dunwald, Willi; Schlegel, Hans; Halpaap, Reinhard; and Pedain, Josef, 4,853,261, Cl. 427-388.100.
Halpenny, Thomas J.: *See—*
Parkhurst, Anthony D.; and Halpenny, Thomas J., 4,853,877, Cl. 364-520.000.
Halper, Warren: *See—*
Osteen, Mitchell M.; and Halper, Warren, 4,866,582, Cl. 362-359.000.
Halperin, Arnold: *See—*
DiStefano, Thomas H.; Falls, Arthur E.; Halperin, Arnold; and Mackay, John D., 4,868,506, Cl. 324-521.000.
Halperin, Stephen A.: *See—*
Armington, Steven E.; Halperin, Stephen A.; Pickett, Gordon E.; and Metz, Barbara A., 4,806,410, Cl. 428-126.000.
Halpern, Alan A. Antiosteoporosis device having drop platform with powered drop. 4,858,598, 8-22-89, Cl. 128-33.000.
Halpern, Alan A. Antiosteoporosis device and method. 4,858,599, 8-22-89, Cl. 128-33.000.
Halpern, Donald F.; and Robin, Mark L., to BOC, Inc. Process for preparing $CHF_2OCHFCF_3$ and $CHF_2OCHClCF_3$ and novel intermediate compounds employed therein. 4,855,511, 8-8-89, Cl. 568-683.000.
Halpern, Donald F.; and Robin, Mark L., to BOC, Inc. Process for the production of polyfluorinated ethers. 4,874,901, 10-17-89, Cl. 568-683.000.
Halpern, Donald F.; and Robin, Mark L., to BOC, Inc. Process for preparing CHF20CHFCF3 and CHF20CHC1CF3 and novel intermediate compounds employed therein. 4,888,139, 12-19-89, Cl. 562-840.000.
Halpern, Gregory; Campbell, Charles; Beavers, Ellington M.; and Cheh, Huk Y. Method of hydrophilic coating of plastics. 4,801,475, 1-31-89, Cl. 427-338.000.
Halpern, Gregory; and Gould, Jack U. Method enhanced polysaccharide coating of plastic objects. 4,810,586, 3-7-89, Cl. 428-476.600.
Halpern, John W. Portable data carrier incorporating manually presettable processing modes. 4,859,837, 8-22-89, Cl. 235-380.000.
Halpern, John W., to Paperless Accounting, Inc. Electronic purse-device. 4,877,950, 10-31-89, Cl. 235-487.000.
Halpern, Lise N.: *See—*
Dunn, George F., Jr.; Irr, Joseph D.; and Halpern, Lise N., 4,808,151, Cl. 604-6.000.
Halpern, Steven J.: *See—*
Dew, Douglas K.; Hsu, Long S.; and Halpern, Steven J., 4,854,320, Cl. 128-397.000.
Halphide, Kenneth: *See—*
Cavin, Michael G.; Binford, Robert N.; and Halphide, Kenneth, 4,816,102, Cl. 156-222.000.
Halpin, Michael W., to Flow Technology, Inc. Apparatus and method for determining the flow characteristics of a volumetric flowmeter. 4,854,154, 8-8-89, Cl. 73-3.000.
Halsey, James D.; and Gasser, Ernest S., to Sperry Marine Inc. CW and pulse capable crystal video receiver. 4,806,933, 2-21-89, Cl. 342-91.000.
Halsey, James D.: *See—*
Riggs, Robert F.; Gilligan, Lawrence H.; and Halsey, James D., 4,822,991, Cl. 250-211.00J.
Halsey, Ronald L.: *See—*
Wally, Joseph H., Jr.; Pace, Herbert W.; and Halsey, Ronald L., 4,887,123, Cl. 355-30.000.
Halskov, Soren. Pharmaceutical composition and method for the treatment of colitis ulcerosa and crohn's disease by oral administration. 4,880,794, 11-14-89, Cl. 514-166.000.
Halssig, Andreas: *See—*
Schillinger, Wolfgang; Halssig, Andreas; and Zehnder, Wolfgang, 4,876,960, Cl. 102-249.000.
Winterhalter, Walter; and Halssig, Andreas, 4,798,140, Cl. 102-251.000.
Halstead, Lawrence T., to Williams International Corporation. Ceramic-matrix composite nozzle assembly for a turbine engine. 4,861,229, 8-29-89, Cl. 415-138.000.
Halstrick, Robert T. Storage rack. 4,796,541, 1-10-89, Cl. 108-111.000.
Halter, Hartmut; Zimmermann, Paul H.; and Achterwinter, Norbert, to Reifenhauser GmbH & Co. Maschinenfabrik. Apparatus for coiling a foil web, especially a synthetic resin foil web. 4,798,351, 1-17-89, Cl. 242-65.000.
Halter, Joseph M.; Hartman, John S.; Lind, Michael A.; Skiens, W. Eugene; Swanson, John W.; and Biles, Jonathan R., to Optical Data, Inc. Erasable optical data storage medium having an embedded servo track and a subsurface recording interface. 4,825,430, 4-25-89, Cl. 369-275.000.

Haltof, Garry P., to Newell Manufacturing Company. Tilt lock jamb liner and slidable block. 4,887,389, 12-19-89, Cl. 49-181.000.
Halton Oy: *See—*
Aalto, Erkki; Korhonen, Kaarlo; Pekkinen, Jorma; Sundberg, Ein Tolmunen, Arvi; Vartiainen, Seppo; and Villikka, Reijo, 4,811,724, Cl. 126-299.00D.
Mattila, Timo; and Elf, Juha, 4,885,461, Cl. 250-223.00B.
Vartiainen, Seppo; and Aalto, Erkki, 4,872,892, Cl. 55-345.000
Varunki, Markku, 4,827,971, Cl. 137-503.000.
Haluda, Raymond P.; and Trout, John F., to Lily Corporation. Fluid mixing dispenser. 4,828,148, 5-9-89, Cl. 222-134.000.
Halushka, Roman A.: *See—*
Brackmann, Walter H., Jr.; Van Gelder, Cornelius A.; and Halushka, Roman A., 4,880,390, Cl. 439-204.000.
Haluska, Edward A.; Whistler, Stephen J.; Baker, Ross G., Jr.; and Calfee, Richard V., to Intermedics, Inc. Implantable cardiac stimulator for detection and treatment of ventricular arrhythmias. 4,830,00 5-16-89, Cl. 128-419.0PG.
Haluska, Edward A.: *See—*
Baker, Ross G., Jr.; Whistler, Stephen J.; Ideker, Raymond E. Calfee, Richard V.; and Haluska, Edward A., 4,821,723, Cl. 128-419.00D.
Baker, Ross G., Jr.; Calfee, Richard V.; Haluska, Edward A.; and Whistler, Stephen J., 4,880,004, Cl. 128-419.0PG.
Haluska, Loren A.; Michael, Keith W.; and Tarhay, Leo, to Dow Corning Corporation. Coating composition containing hydrogen silsesquioxane resin and other metal oxide precursors. 4,808,651 2-28-89, Cl. 524-398.000.
Haluska, Loren A.; Michael, Keith W.; and Tarhay, Leo, to Dow Corning Corporation. Platinum and rhodium catalysis of low temperature formation multilayer ceramics. 4,822,697, 4-18-89, Cl. 428-698.000.
Haluska, Loren A.; Michael, Keith W.; Snow, Sarah S.; Tarhay, Leo and Baney, Ronald H., to Dow Corning Corporation. Sin-containing coatings for electronic devices. 4,826,733, 5-2-89, Cl. 428-447.000.
Haluska, Loren A.; Michael, Keith W.; and Tarhay, Leo, to Dow Corning Corporation. Ceramic coatings from the pyrolysis in ammonia of mixtures of silicate esters and other metal oxide precursors 4,842,888, 6-27-89, Cl. 427-38.000.
Haluska, Loren A.; Michael, Keith W.; and Tarhay, Leo, to Dow Corning Corporation. Multilayer ceramics coatings from the ceramification of hydrogen silsequioxane resin in the presence of ammonia. 4,847,162, 7-11-89, Cl. 428-457.000.
Haluska, Loren A.; Michael, Keith W.; and Tarhay, Leo, to Dow Corning Corporation. Multilayer ceramic coatings from metal oxide and hydrogen silsesquioxane resin ceramified in ammonia. 4,849,29 7-18-89, Cl. 428-457.000.
Haluska, Loren A., to Dow Corning Corporation. Method of preparing ceramics from polymers derived from cyclic silazanes, and halosilanes. 4,861,532, 8-29-89, Cl. 264-65.000.
Halverson, Ann M.: *See—*
Fong, Dodd W.; and Halverson, Ann M., 4,802,992, Cl. 210-709.000.
Halverson, Danny C.; Lum, Beverly Y.; and Munir, Zuhair A., to United States of America, Energy. Combustion synthesis of boride and other composites. 4,879,262, 11-7-89, Cl. 501-87.000.
Halverson, Debra A., to Jabiru Incorporated. Mattress to support a woman during pregnancy. 4,819,287, 4-11-89, Cl. 5-455.000.
Halverson, Lance K. Modular slotwall members. 4,825,601, 5-2-89, Cl. 52-36.000.
Halverson, Larry J.: *See—*
Handelsman, Jo E.; and Halverson, Larry J., 4,878,936, Cl. 71-7.000.
Halvis, James; Bluzer, Nathan; and Shiskowski, Robert, to United States of America, Air Force. Solid state gas pressure sensor. 4,812,801, 3-14-89, Cl. 338-4.000.
Halvorsen, Finn: *See—*
Bratland, Jan; and Halvorsen, Finn, 4,826,183, Cl. 280-7.130.
Halvorsen, James V., to Bryant Grinder Corporation. Radius dressing apparatus. 4,805,585, 2-21-89, Cl. 125-11.00R.
Halvorsen, Robert M.; Bradley, Jerome R.; and Long, Gregory F., to Ex-Cell-O Corporation. Method for making a fuel injector. 4,831,70 5-23-89, Cl. 29-156.70R.
Halvorsen, Svein T.: *See—*
Strandli, Kare R.; and Halvorsen, Svein T., 4,876,964, Cl. 102-499.000.
Halvorson, Jerry L., to Meditrol, Inc. System for dispensing drugs health care institutions. 4,847,764, 7-11-89, Cl. 364-413.020.
Halwani, Bassim. Method and apparatus for decontaminating the transfer of hydrocarbons. 4,844,795, 7-4-89, Cl. 210-98.000.
Ham, Byung I. Electronic starter combined with the L-C ballast of fluorescent lamp. 4,885,507, 12-5-89, Cl. 315-244.000.
Ham, Cornelis L. G.: *See—*
Overweg, Johannes A.; and Ham, Cornelis L. G., 4,878,023, Cl. 324-318.000.
Overweg, Johannes A.; and Ham, Cornelis L. G., 4,878,024, Cl. 324-319.000.
Ham, George E.; Spradling, Robert D.; and McIntyre, John M., to Dow Chemical Company, The. Process for preparing tetrahalopyridine. 4,824,533, 4-25-89, Cl. 204-73.00R.
Ham, Howard M., Jr.; and Keenan, James J., to Hendry Mechanical Works. Electronic circuit breaker systems. 4,853,820, 8-1-89, Cl. 361-59.000.
Ham, John K.: *See—*
Amdahl, Paul O.; Ham, John K.; and Mazilu, Doina, 4,806,031, Cl. 400-157.300.

Ham, Mooyoung: *See—*
Yializis, Angelo; Shaw, David G.; Strycker, Donald S.; and Ham, Mooyoung, 4,842,893, Cl. 427-44.000.
Ham, Pierre; Dessapt, Jean-Paul; Bischoff, Didier; and de Bonneville, Jean, to Institut Francais du Petrole. Process for regenerating a hydrocarbon hydroconversion catalyst. 4,849,092, 7-18-89, Cl. 208-140.000.
Ham, Robert J.: *See—*
DeMello, Richard M.; Ham, Robert J.; Lang, Michael; Ouellette, Gerry D.; Slater, Andrea T.; and Trombley, Frederick W., III, 4,863,442, Cl. 604-282.000.
Ham, Wilhelmus J.; and Nagelhout, Jacob T., to Hollandse Signaalapparaten B.V. Communication system. 4,837,823, 6-6-89, Cl. 380-34.000.
Hama, Hiroyuki: *See—*
Iwabuchi, Osamu; and Hama, Hiroyuki, 4,846,695, Cl. 439-17.000.
Hama, Masaaki; Watanabe, Keiichirou; and Ishimaru, Hiroshi, to Sumitomo Chemical Company, Limited. Method for producing endosseous implants. 4,818,559, 4-4-89, Cl. 427-2.000.
Hama, Masaharu: *See—*
Kawaguchi, Toshiaki; Sasaki, Tsutomu; Fukumoto, Takaaki; Funada, Yutaka; Kubota, Isao; Hama, Masaharu; and Terada, Nobuyoshi, 4,854,137, Cl. 137-557.000.
Ohmori, Toshiaki; Hama, Masaharu; and Fukumoto, Takaaki, 4,868,996, Cl. 34-13.000.
Hama, Taira, to Kabushiki Kaisha Mihama Seisakusho. Method for forming loop-shaped starting pieces such as metallic binding bands into prescribed final shapes. 4,813,262, 3-21-89, Cl. 72-393.000.
Hama, Taira, to Kabushiki Kaisha Mihama Seisakusho. Apparatus for forming loop-shaped starting pieces such as metallic binding bands into prescribed final shapes. 4,831,863, 5-23-89, Cl. 72-393.000.
Hama, Yasuo; Takaku, Shigetake; and Murai, Hirosi, to Hitachi, Ltd. Full automatic total inspection system for implosion-protected cathode-ray tube. 4,850,921, 7-25-89, Cl. 445-63.000.
Hama, Yoshihiro, to Asahi Kogaku Kogyo Kabushiki Kaisha. Manual control apparatus of zoom lens barrel for an auto focus camera. 4,890,132, 12-26-89, Cl. 354-400.000.
Hamabe, Makoto; and Yamada, Yasuhiro, to Victor Company of Japan, Ltd. Apparatus for selectively controlling magnetic tape recorder's muting operation in response to detection of errors in the reproduced signal by one of two heads. 4,809,093, 2-28-89, Cl. 360-67.000.
Hamacher, John C.: *See—*
Braski, Michael T.; Everett, Dwight H.; Hamacher, John C.; Mueller, J. Samuel; Robusto, Paul F.; and Tilton, Richard A., 4,813,127, Cl. 29-825.000.
Hamacher, Walter. Suspended sliding partition. 4,845,806, 7-11-89, Cl. 16-88.000.
Hamada, Akihiko: *See—*
Kitaoh, Katsutoshi; and Hamada, Akihiko, 4,871,589, Cl. 427-322.000.
Hamada, Akio; Tsujii, Gen; Fuse, Genzo; and Kondo, Masahide, to Honda Giken Kogyo Kabushiki Kaisha. Welding control apparatus and method. 4,841,113, 6-20-89, Cl. 219-110.000.
Hamada, Akiyoshi; Yagoto, Mitsutoshi; Watanabe, Yutaka; Mochizuki, Shuji; Mino, Masayuki; Tanaka, Yutaka; and Tachikawa, Kyoji, to Minolta Camera Kabushiki Kaisha; and Nippon Seimitsu Kogyo Kabushiki Kaisha. Film handling means for a laser recorder. 4,814,793, 3-21-89, Cl. 346-108.000.
Hamada, Akiyoshi, to Minolta Camera Kabushiki Kaisha. Telecentric fθ lens system for laser COM. 4,880,299, 11-14-89, Cl. 350-415.000.
Hamada, Akiyoshi: *See—*
Yagoto, Mitsutoshi; Hamada, Akiyoshi; Mino, Masayuki; Tanaka, Yutaka; and Watanabe, Yutaka, 4,878,067, Cl. 346-108.000.
Hamada, Chiaki: *See—*
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Hamada, Fukusaburo: *See—*
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Hamada, Fumihiko: *See—*
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Hamada, Fumio; and Shimazaki, Hiroshi, to Konishiroku Photo Industry Co., Ltd. Silver halide color photographic material. 4,818,667, 4-4-89, Cl. 430-502.000
Hamada, Fumio; Yamada, Yoshitaka; and Yamashita, Kiyotoshi, to Konishiroku Photo Industry Co., Ltd. Silver halide color photographic light-sensitive material comprising a specified cyan coupler combination and total film thickness. 4,833,069, 5-23-89, Cl. 430-496.000.
Hamada, Hiroaki: *See—*
Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-78.00B.
Hamada, Hiroshi; Watanabe, Takamitsu; and Suzuki, Mitiharu, to Kawasaki Kisen Kaisha. Inner bag for container. 4,801,042, 1-31-89, Cl. 220-410.000.
Hamada, Hisanori: *See—*
Shimokawa, Masao; and Hamada, Hisanori, 4,877,067, Cl. 141-129.000.
Hamada, Hozumi; and Nakano, Hiraku, to Hitachi, Ltd. Rational number operation unit for reduction. 4,881,193, 11-14-89, Cl. 364-761.000.

Hamada, Jun-ichi: *See—*
Tokunaga, Hiroshi; Hamada, Jun-ichi; and Fukuchi, Masakazu, 4,816,900, Cl. 358-75.000.
Hamada, Kazuichi: *See—*
Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.
Hamada, Kiyoshi; Tomii, Kaoru; Hashiguchi, Junpei; and Nonomura, Kinzo, to Matsushita Electric Industrial Co., Ltd. Display device and method of driving the same. 4,816,724, 3-28-89, Cl. 315-366.000.
Hamada, Makoto: *See—*
Takehana, Takamichi; Murayama, Osamu; Nakajima, Hideaki; Yamada, Masatoshi; and Hamada, Makoto, 4,878,080, Cl. 354-403.000.
Hamada, Masa: *See—*
Umezawa, Hamao; Aoyagi, Takaaki; Takeuchi, Tomio; Hamada, Masa; and Ishizuka, Masaaki, 4,859,593, Cl. 435-128.000.
Hamada, Masahiro: *See—*
Kumazawa, Satoru; Ito, Atsushi; Sato, Nobuo; Saishoji, Toshihide; Hamada, Masahiro; Yamazaki, Shiro; and Enari, Hiroyuki, 4,863,505, Cl. 71-92.000.
Hamada, Masaki: *See—*
Shirasaka, Akifumi; Tanaka, Kensaku; and Hamada, Masaki, 4,837,847, Cl. 382-55.000.
Hamada, Masataka; Ishida, Tokuji; Ishibashi, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, to Minolta Camera Kabushiki Kaisha. Automatic focus control device. 4,816,856, 3-28-89, Cl. 354-402.000.
Hamada, Masataka; and Ishida, Tokuji, to Minolta Camera Kabushiki Kaisha. Automatic focusing device. 4,860,045, 8-22-89, Cl. 354-402.000.
Hamada, Masataka; Karasaki, Toshihiko; Matsui, Toru; and Maekawa, Yukio, to Minolta Camera Kabushiki Kaisha. Focus detecting device. 4,878,079, 10-31-89, Cl. 354-402.000.
Hamada, Masataka; Ishida, Tokuji; and Akada, Yasuaki, to Minolta Camera Kabushiki Kaisha. Automatic focus adjusting apparatus. 4,888,609, 12-19-89, Cl. 354-402.000.
Hamada, Masataka: *See—*
Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Hamada, Masataka; Ishibashi, Kenji; and Ootsuka, Hiroshi, 4,812,912, Cl. 358-227.000.
Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, 4,829,170, Cl. 250-201.000.
Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, 4,831,403, Cl. 354-402.000.
Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; Norita, Toshio; and Taniguchi, Nobuyuki, 4,862,204, Cl. 354-408.000.
Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, 4,864,117, Cl. 250-201.000.
Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; Norita, Toshio; and Taniguchi, Nobuyuki, 4,808,808, Cl. 250-201.000.
Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,809,077, Cl. 358-213.260.
Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,835,562, Cl. 354-408.000.
Taniguchi, Nishinomiya; Ishida, Tokuji; Norita, Toshio; Hamada, Masataka; and Karasaki, Toshihiko, 4,882,601, Cl. 354-407.000.
Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,816,861, Cl. 354-408.000.
Taniguchi, Nobuyuki; Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; and Norita, Toshio, 4,835,615, Cl. 358-213.190.
Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,851,657, Cl. 250-201.000.
Hamada, Mitsuo: *See—*
Kobayashi, Hideki; Honma, Hiroshi; and Hamada, Mitsuo, 4,842,943, Cl. 428-447.000.
Shimizu, Koji; and Hamada, Mitsuo, 4,824,616, Cl. 264-7.000.
Shimizu, Koji; Hamada, Mitsuo; and Nakasuji, Katsuyoshi, 4,849,564, Cl. 524-114.000.
Hamada, Munemitsu: *See—*
Iwaya, Shouichi; Masumura, Hitoshi; and Hamada, Munemitsu, 4,808,883, Cl. 313-632.000.
Hamada, Nagaharu: *See—*
Nakamura, Koozoo; Tadauchi, Masaharu; and Hamada, Nagaharu, 4,809,215, Cl. 364-900.000.
Hamada, Nobuo: *See—*
Sasabe, Minoru; Hamada, Nobuo; and Nagatsuka, Toshio, 4,830,727, Cl. 204-412.000.
Hamada, Osamu: *See—*
Hiramoto, Seigo; Hamada, Osamu; Morita, Takeshi; and Ohmine, Megumi, 4,816,293, Cl. 427-53.100.
Moriyasu, Masaharu; Morita, Takeshi; Hiramoto, Seigo; Hamada, Osamu; and Ohmine, Megumi, 4,825,035, Cl. 219-121.610.
Hamada Printing Press Mfg. Co., Ltd.: *See—*
Fukuda, Akira; and Masuda, Itsuro, 4,802,632, Cl. 242-58.500.
Hamada, Shigeshi: *See—*
Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, 4,853,194, Cl. 423-239.000.
Hamada, Shoichi: *See—*
Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Nagashima, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasumi,

Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Meka, Masahiko; and Tomeoka, Masaru, 4,839,495, Cl. 219-121.630.

Hamada, Shuji, to Niigata Engineering Co., Ltd. Method of and apparatus for sandblasting workpiece. 4,798,027, 1-17-89, Cl. 51-310.000.

Hamada, Takaki; Hayakawa, Tetsuji; and Matsuura, Yutaka, to Sumitomo Special Metals Co., Ltd. Process for producing magnets having improved corrosion resistance. 4,837,114, 6-6-89, Cl. 427-127.000.

Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo; and Takada, Yoshiyasu, to Kawasaki Steel Corporation. Methods for melting and refining a powdery ore containing metal oxides. 4,874,427, 10-17-89, Cl. 75-26.000.

Hamada, Takashi; Hino, Teruyuki; Nodama, Takashi; and Matsuoka, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Swivel support structure for an electric apparatus. 4,796,842, 1-10-89, Cl. 248-186.000.

Hamada, Takatoshi; and Huang, Wen-Ho, to Nittetsu Jitsugyo Co., Ltd. Hydraulic striking device with impact frequency control. 4,817,737, 4-4-89, Cl. 173-115.000.

Hamada, Takeaki; Okada, Akio; Abe, Kiyoshi; Udagawa, Katsuhiro; Okazaki, Fumitoshi; and Fujino, Kouji, to Sanwa Shutter Corporation. Elevation bed. 4,837,877, 6-13-89, Cl. 5-10.00B.

Hamada, Takuji; Takahashi, Masahiro; Yoneda, Katsuhiko; Onuki, Ken; and Uchiyama, Toshihiko, to Hitachi, Ltd. Method and apparatus for detecting a fault in a ring network data transmission system. 4,855,993, 8-8-89, Cl. 370-16.000.

Hamada, Tatsuhiro: *See—*

Kawamura, Shinichi; Sanemitsu, Yuzuru; Hamada, Tatsuhiro; and Yoshida, Ryo, 4,849,011, Cl. 71-94.000.

Hamada, Tatsuro: *See—*

Morikawa, Akihiko; Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Oshima, Noboru; Hamada, Tatsuro; Fukuoka, Hiromi; Komatsu, Hideki; and Fujimaki, Tatsuo, 4,835,216, Cl. 525-77.000.

Oshima, Noboru; Chikatsu, Yoshishige; Fukuhori, Toshiaki; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,812,525, Cl. 525-232.000.

Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Shimada, Noboru; Fujinaga, Yoshihisa; Oshima, Noboru; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,824,908, Cl. 525-99.000.

Hamada, Tetsuo; Nakahashi, Junichi; and Nakai, Ryoichi, to Asahi Kasei Kogyo Kabushiki Kaisha. High impact polyamide composition. 4,885,340, 12-5-89, Cl. 525-183.000.

Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, to Honda Giken Kogyo Kabushiki Kaisha. Method and mechanism for selectively transmitting and interrupting delivery of power. 4,878,566, 11-7-89, Cl. 192-13.00R.

Hamada, Tetsuro; Shimada, Kazuhiko; Masuda, Katsuhiko; and Shibuya, Kazunori, to Honda Giken Kogyo Kabushiki Kaisha. Direction-dependent power transmission system. 4,889,353, 12-26-89, Cl. 180-233.000.

Hamada, Tetsuro: *See—*

Ikegami, Hiroshi; Muto, Tetsuji; Hamada, Tetsuro; Masuda, Katsuhiko; Shimada, Kazuhiko; and Shibuya, Kazunori, 4,886,141, Cl. 180-233.000.

Masuda, Katsuhiko; Hamada, Tetsuro; Shibuya, Kazunori; and Shimada, Kazuhiko, 4,829,849, Cl. 74-650.000.

Masuda, Katsuhiko; Shimada, Kazuhiko; Hamada, Tetsuro; and Shibuya, Kazunori, 4,848,507, Cl. 180-248.000.

Shibuya, Kazunori; Hamada, Tetsuro; Masuda, Katsuhiko; and Shimada, Kazuhiko, 4,825,724, Cl. 74-710.500.

Hamada, Tetsurou: *See—*

Shimada, Kazuhiko; Hamada, Tetsurou; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,848,506, Cl. 180-248.000.

Hamada, Toru: *See—*

Nakaniwa, Shinpei; Otani, Seiichi; Hamada, Toru; Osaki, Masanobu; Hoshino, Yukio; and Tomisawa, Naoki, 4,889,100, Cl. 123-492.000.

Hamada, Toshihiko: *See—*

Samejima, Kazuo; Tsuchihashi, Hironori; Sato, Tsuyoshi; Hamada, Toshihiko; Kida, Hideo; and Kasamatsu, Kiyoto, 4,882,898, Cl. 56-208.000.

Hamada, Toshimitsu: *See—*

Nakahata, Kozo; Hamada, Toshimitsu; Nakagawa, Yasuo; and Nomoto, Mineo, 4,872,187, Cl. 378-4.000.

Hamada, Toyohide: *See—*

Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.

Hamada, Yasuhiko; and Yoshimura, Tsunenori, to NGK Insulators, Ltd. Exhaust gas sensor for determining A/F ratio. 4,824,549, 4-25-89, Cl. 204-410.000.

Hamada, Yasunori; Noda, Kousuke; Oizumi, Junichi; Terayama, Takao; Hayama, Toru; and Yamanaka, Haruo, to Hitachi Ltd. Apparatus for recording transactions and a recording method therefor. 4,864,108, 9-5-89, Cl. 235-379.000.

Hamada, Yasunori: *See—*

Okayama, Masao; Kawauchi, Masataka; Iwakami, Hideo; and Hamada, Yasunori, 4,866,254, Cl. 235-379.000.

Hamada, Yoshihiro; Nakagawa, Kazuhiko; Hagiwara, Katunobu; Noda, Takeoki; and Asada, Mitunori, to Kabushiki Kaisha Kobe Seiko Sho. Screw extruding machine. 4,859,166, 8-22-89, Cl. 425-204.000.

Hamada, Yoshitsugu: *See—*

Kawakami, Yoshihiko; Hamada, Yoshitsugu; Takahashi, Takeshi; and Yotsuyanagi, Junji, 4,828,135, Cl. 220-270.000.

Hamada, Yuji: *See—*

Kuwano, Yukinori; Tsujino, Yoshikazu; and Hamada, Yuji, 4,855,214, Cl. 430-281.000.

Tsujino, Yoshikazu; Hamada, Yuji; Sakata, Masakazu; Fuji, Takanori; and Kuwano, Yukinori, 4,874,646, Cl. 428-34.100.

Hamade, Sami M.: *See—*

Marsh, Richard A.; Brand, Gary J.; Poirier, David C.; Phillips, Dale L.; and Hamade, Sami M., 4,809,660, Cl. 123-417.000.

Hamade, Thomas A.: *See—*

Jaisinghani, Rajan A.; Hamade, Thomas A.; and Hawley Clyde W., 4,853,005, Cl. 55-132.000.

Hamaekers, Arno; and Rudolph, Axel, to Carl Freudenberg, Firma. Encapsulated rubber cushion. 4,840,359, 6-20-89, Cl. 267-140.100.

Hamaguchi, Hiroaki: *See—*

Yokoyama, Yoichi; Hamaguchi, Hiroaki; Kondo, Kideya; Kunimoto, Youichi; and Yano, Manabu, 4,855,701, Cl. 335-230.000.

Hamaguchi, Hirohiko: *See—*

Kozuma, Jiro; Hamaguchi, Hirohiko; Shibahara, Tetsuya, and Strasser, Joseph P., 4,810,793, Cl. 514-89.000.

Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, to Nihon Nohyaku Co., Ltd. Pyrazole oxime derivatives and compositions. 4,843,068, 6-27-89, Cl. 514-63.000.

Hamaguchi, Hiroshi; Ohshima, Tetsuji; Kohno, Eiji; Takaishi, Hideo; Mabuchi, Tsutomu; and Okawa, Katsumasa, to Nihon Nohyaku Co., Ltd. Cyclohexadione derivatives, selective herbicidal compositions as well as herbicidal method. 4,863,504, 9-5-89, Cl. 71-92.000.

Hamaguchi Keiki Kogyo Kabushiki Kaisha: *See—*

Hamaguchi, Ukio, 4,862,626, Cl. 43-4.500.

Hamaguchi, Kunikazu; Hamanaka, Toshiyuki; Harada, Takashi; and Asami, Seiichi, to NGK Insulators, Ltd. Cordierite honeycomb structural bodies. 4,849,275, 7-18-89, Cl. 428-116.000.

Hamaguchi, Kunikazu: *See—*

Harada, Takashi; Hamanaka, Toshiyuki; Hamaguchi, Kunikazu; and Asami, Seiichi, 4,869,944, Cl. 428-116.000.

Hamaguchi, Masakazu: *See—*

Furuhata, Takashi; Owashi, Hitoaki; Ito, Takayasu; and Hamaguchi, Masakazu, 4,873,582, Cl. 358-310.000.

Hamaguchi, Naoru; Iga, Katsumi; and Ogawa, Yasuaki, to Takeda Chemical Industries, Ltd. Liposome composition. 4,844,904, 7-4-89, Cl. 424-450.000.

Hamaguchi, Naoru: *See—*

Iga, Katsumi; Hamaguchi, Naoru; and Ogawa, Yasuaki, 4,877,561, Cl. 264-4.300.

Hamaguchi, Norichika: *See—*

Hasegawa, Minoru; and Hamaguchi, Norichika, 4,813,812, Cl. 405-16.000.

Hamaguchi, Shigeki; Otsuka, Yasuhiro; Taga, Yasunori; Motohiro, Tomoyoshi; and Itoh, Tadayoshi, to Toyota Jidosha Kabushiki Kaisha; and Kabushiki Kaisha Toyota Chuo Kenkyusho. Liquid crystal device having an oblique evaporation film which is protected by a protective layer. 4,813,768, 3-21-89, Cl. 350-347.00R.

Hamaguchi, Shigeki; Ohashi, Takehisa; and Watanabe, Kiyoshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing optically active glycerol derivatives. 4,863,859, 9-5-89, Cl. 435-130.000.

Hamaguchi, Shigeki; Ohtsuka, Yasuhiro; Motohiro, Tomoyoshi; Taga, Yasunori; and Ishii, Masahiko, to Toyota Jidosha Kabushiki Kaisha and Kabushiki Kaisha Toyota Chuo Kenkyusho. Birefringent plate and manufacturing method for the same. 4,874,664, 10-17-89, Cl. 428-325.000.

Hamaguchi, Shigeki: *See—*

Katayama, Kazuhiko; Hamaguchi, Shigeki; Kogame, Yoshikazu; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,814,506, Cl. 564-292.000.

Hamaguchi, Tatsuya: *See—*

Shimodaira, Hisayo; Ono, Toshio; Miyawaki, Keizo; and Hamaguchi, Tatsuya, 4,875,766, Cl. 350-641.000.

Hamaguchi, Tetsuo; Ueda, Tsunehisa; and Natsuume, Tadao, to Nippon Zeon Co., Ltd. Novel hydraulic composition. 4,883,535, 11-28-89, Cl. 106-93.000.

Hamaguchi, Tsueno; Hirai, Yoshihiko; and Kaneko, Setsuo, to NEC Corporation. Liquid crystal display device having display and driver sections on a single board. 4,838,654, 6-13-89, Cl. 350-333.000.

Hamaguchi, Tsuneo: *See—*

Endo, Nobuhiro; and Hamaguchi, Tsuneo, 4,870,475, Cl. 357-71.000.

Hamaguchi, Ukio, to Hamaguchi Keiki Kogyo Kabushiki Kaisha. Method of causing fish to gather. 4,862,626, 9-5-89, Cl. 43-4.500.

Hamaguchi, Yoshitsugu: *See—*

Okushi, Akira; Myogatani, Shigeharu; Murata, Kazuhito; Hamaguchi, Yoshitsugu; and Tanaka, Koichi, 4,835,547, Cl. 346-76.0PH.

Hamaguchi, Yuichi: *See—*

Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shi; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasum; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.

Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shi; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasum; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.

Hamahara, Kyoko: *See—*

Ogata, Hajime; Nakakouji, Hisatada; Hamahara, Kyoko; Mochizuki, Kazuo; and Ichida, Toshio, 4,832,800, Cl. 204-21.0

Hamai Electric Co., Ltd.: *See—*

Hamai, Jitsuo; Hamai, Hiroyuki; and Asami, Eiichi, 4,851,734, Cl. 313-485.000.

Hamai, Hiroyuki: *See—*

Hamai, Jitsuo; Hamai, Hiroyuki; and Asami, Eiichi, 4,851,734, Cl. 313-485.000.

Hamai, Jitsuo; Hamai, Hiroyuki; and Asami, Eiichi, to Hamai Electric Co., Ltd. Flat fluorescent lamp having transparent electrodes. 4,851,734, 7-25-89, Cl. 313-485.000.

Hamajima, Kaneo; Tanaka, Atsuo; Kubo, Masahiro; and Dohnomoto, Tadashi, to Toyota Jidosha Kabushiki Kaisha. Short fiber preform, method of making it, and composite material manufactured from it. 4,852,630, 8-1-89, Cl. 164-761.000.

Hamajima, Kazuo: *See—*

Fukuoka, Yoshioki; Hamajima, Kazuo; Takaba, Michioki; Suzuki, Yoshimi; Seki, Shinpei; Kinoshita, Katsunori; and Mizuno, Akihiro, 4,867,299, Cl. 198-435.000.

Hamajima, Mitsuhiro: *See—*

Haruna, Tohru; Nishikawa, Kazunori; and Hamajima, Mitsuhiro, 4,885,326, Cl. 524-291.000.

Hamakawa, Tomoaki: *See—*

Ushimaru, Koichi; Hamakawa, Tomoaki; and Koga, Tomio, 4,874,774, Cl. 514-356.000.

Hamakawa, Toshihiro: *See—*

Fujii, Setsuro; Ogawa, Kazuo; Hamakawa, Toshihiro, and Muranaka, Yoshiyuki, 4,797,502, Cl. 558-52.000.

Hamakawa, Wataru, to Minolta Camera Kabushiki Kaisha. Automatic document feeder and a copying apparatus equipped with such an automatic document feeder. 4,831,413, 5-16-89, Cl. 355-313.000.

Hamakawa, Wataru, to Minolta Camera Kabushiki Kaisha. Microfilming apparatus. 4,831,417, 5-16-89, Cl. 355-65.000.

Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuitoo, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, to Hitachi, Ltd. Multilayered magnetic films and thin-film magnetic heads using the same as a pole. 4,814,921, 3-21-89, Cl. 360-126.000.

Hamakawa, Yoshihiro; Koike, Fumio; and Miyagishi, Tetsuya, to Yamatake-Honeywell Co., Ltd. Color sensor with amorphous pin structure. 4,820,915, 4-11-89, Cl. 250-211.00J.

Hamakawa, Yoshihiro; Tawada, Yoshihisa; Tsuge, Kazunori; and Izumina, Masanobu, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Flexible photovoltaic device. 4,875,943, 10-24-89, Cl. 136-244.000.

Hamakawa, Yoshihiro: *See—*

Yuito, Isamu; Moriwaki, Eijin; Shiiki, Kazuo; Hamakawa, Yoshihiro; and Takano, Hisashi, 4,881,144, Cl. 360-125.000.

Hamaker, Jon B.: *See—*

Amundson, Donald E.; Hamaker, Jon B.; Pecht, Glenn G.; and Sedy, Josef, 4,889,348, Cl. 277-1.000.

Hamal, Heinrich: *See—*

Kuhne, Rudolf; and Hamal, Heinrich, 4,870,164, Cl. 534-742.000.

Hamal, Karel; and Marek, Jan, to Ceske vysoke uceni technicke v Praze. Laser resonator with changable frequency of radiation. 4,852,107, 7-25-89, Cl. 372-19.000.

Hamamatsu Gasket Seisakusho Limited: *See—*

Sakai, Yakichi, 4,810,591, Cl. 428-652.000.

Hamamatsu Photonics Kabushiki Kaisha: *See—*

Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,796,992, Cl. 356-347.000.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,841,234, Cl. 324-96.000.

Aoshima, Shinichiro; Tsuchiya, Yutaka; and Nakamura, Takuya, 4,864,220, Cl. 324-96.000.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,864,222, Cl. 324-96.000.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,864,577, Cl. 372-18.000.

Aoshima, Shinichiro; Tsuchiya, Yutaka; and Takahashi, Hironori, 4,866,372, Cl. 324-96.000.

Aoshima, Shinichiro; Nakamura, Takuya; and Tsuchiya, Yutaka, 4,866,721, Cl. 372-30.000.

Hara, Tsutomu; Suzuki, Yoshiji; and Mukouzaka, Naohisa, 4,818,983, Cl. 340-794.000.

Hosoda, Makoto, 4,807,297, Cl. 382-27.000.

Kamae, Tuneyoshi; and Enomoto, Ryoji, 4,857,737, Cl. 250-370.090.

Kinoshita, Katsuyuki; Koishi, Musubu; and Tsuchiya, Yutaka, 4,801,796, Cl. 250-213.0VT.

Kitahara, Tadashi, 4,845,719, Cl. 372-26.000.

Koike, Kiyoshi; Fujita, Takuo; and Morita, Rikushi, 4,845,747, Cl. 378-208.000.

Koike, Kiyoshi; Tsuchiya, Hiroshi; and Hayakawa, Tsuyoshi, 4,862,004, Cl. 250-369.000.

Koishi, Musubu; Mizushima, Yoshihiko; and Kan, Hirofumi, 4,875,093, Cl. 358-83.000.

Kyomasu, Mikio; Tanaka, Hitoshi; and Mizuno, Seiichiro, 4,839,735, Cl. 358-213.310.

Kyomasu, Mikio; and Mizuno, Seiichiro, 4,866,527, Cl. 358-213.190.

Kyushima, Hiroyuki, 4,825,118, Cl. 313-104.000.

Kyushima, Hiroyuki; Nakamura, Kimitsugu; and Kato, Takahito, 4,881,008, Cl. 313-532.000.

Mizushima, Yoshihiko; Tsuchiya, Yutaka; Koishi, Musubu; and Takeshima, Akira, 4,827,317, Cl. 356-73.100.

Mukouzaka, Naohisa, 4,830,472, Cl. 350-374.000.

Nakamura, Kimitsugu; and Ito, Masuo, 4,825,066, Cl. 250-207.000.

Nakamura, Takuya; Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,855,591, Cl. 250-225.000.

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Estrada, Calixto; Hamerslag, James D.; Hooley, Robert W.; Hunt, John W.; Johnson, Melvin H.; McCabe, Duncan D.; and Perrotto, Joseph A., 4,865,410, Cl. 350-96.200.
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Hamid-Samimi, Mohammad-Hossein: *See—*
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Hamidian, Gabriel, to Eastman Kodak Company. Self-coiling exposure shade. 4,801,969, 1-31-89, Cl. 355-8.000.
Hamil, Henry F.: *See—*
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Gunn, Erwin T.; Bigler, John M.; and Hamill, Patrick J., 4,799,600, Cl. 220-1.500.
Hamill, Robert L.; Nakatsukasa, Walter M.; and Yao, Raymond C., to Eli Lilly and Company. Antibiotic A80438. 4,824,863, 4-25-89, Cl. 514-460.000.
Hamill, Robert L.; and Yao, Raymond C., to Eli Lilly and Company. Process for producing antibiotic A80438. 4,830,967, 5-16-89, Cl. 435-253.500.
Hamill, Robert L.; and Kastner, Ralph E., to Eli Lilly and Company. Pure culture of antibiotic A42125-producing strains of *Nocardia aerocolonigenes*. 4,870,021, 9-26-89, Cl. 435-253.200.
Hamill, Robert L.; and Yao, Raymond C., to Eli Lilly and Company. Antibiotic A80577 and process for its production. 4,876,273, 10-24-89, Cl. 514-451.000.
Hamill, Robert L.; and Yao, Raymond C., to Eli Lilly and Company. Antibiotic A80509. 4,885,170, 12-5-89, Cl. 424-117.000.
Hamilton, Alexander: *See—*
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Hamilton, Allan: *See—*
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Hamilton, Billy E., to Camco, Incorporated. Method of plugging openings in well conduits. 4,869,321, 9-26-89, Cl. 166-277.000.
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  Goetz, George W.; and Hamilton, Brian K., 4,806,180, Cl. 149-5.000.
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  Patterson, James A.; and Hamilton, Charles E., 4,805,343, Cl. 47-79.000.
Hamilton, Daniel A.; Spowart, James R.; and Porterfield, Richard, to Universal Instruments Corporation. Shutter system for electrical component supply tape feeder. 4,838,452, 6-13-89, Cl. 221-1.000.
Hamilton, Edwin J., Jr.; and Burleigh, Bruce D., to International Minerals & Chemical Corp. Stabilization of growth hormones. 4,816,568, 3-28-89, Cl. 530-399.000.
Hamilton, Frank G.: *See*—
  Terry, Byron R.; and Hamilton, Frank G., 4,867,383, Cl. 241-24.000.
Hamilton, Gary L.; Rhoe, Andrei; and Satchell, Donald P., to Lummus Crest, Inc. Solvent refining of residues. 4,795,551, 1-3-89, Cl. 208-309.000.
Hamilton, Harley. Method and apparatus for teaching signing. 4,879,210, 11-7-89, Cl. 434-112.000.
Hamilton, Harold J., to Censtor Corporation. Planarized read/write head and method. 4,860,139, 8-22-89, Cl. 360-126.000.
Hamilton, Harriet W.; and Patt, William C., to Warner-Lambert Company. Method of treating psychosis using N^6-substituted -5′-oxidized adenosine analogs. 4,868,160, 9-19-89, Cl. 514-46.000.
Hamilton, Hudson. Steering wheel attachment for radio control devices. 4,882,942, 11-28-89, Cl. 74-104.000.
Hamilton Industries, Inc.: *See*—
  Bastian, John M., 4,805,365, Cl. 52-282.000.
  Bastian, John M.; Pflieger, David C.; and Seitz, Robert F., 4,819,569, Cl. 108-113.000.
  Bastian, John M.; and Brandt, Robert H., 4,826,117, Cl. 248-188.200.
  Holschbach, Stephen E., 4,829,887, Cl. 98-115.300.
  Pflieger, David C., 4,846,431, Cl. 248-228.000.
Hamilton, James E.; and Peterson, Gregory A., to Digital Appliance Controls, Inc. Method and apparatus for monitoring the validity of microprocessor or volatile memory. 4,819,237, 4-4-89, Cl. 371-66.000.
Hamilton, James G. C.: *See*—
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Hamilton, James L., to Lam Lighting Systems. Brightness equalizing light filter system. 4,833,575, 5-23-89, Cl. 362-223.000.
Hamilton, Jeffrey S., to ITT Corporation. Video encoder apparatus. 4,796,299, 1-3-89, Cl. 380-14.000.
Hamilton, Jock. Algacide and method for treatment of water. 4,846,979, 7-11-89, Cl. 210-754.000.
Hamilton, John C.: *See*—
  Mullin, John B.; Hamilton, John C.; Orrell, Elisabeth D.; Jacobs, Philip R.; and Shenai-Khatkhate, Deodattta V., 4,812,586, Cl. 556-129.000.
Hamilton, Kenneth L.; and Butler, Timothy C. Demonstration device for illustrating spinal misalignment. 4,872,841, 10-10-89, Cl. 434-274.000.
Hamilton, Kris P.; Glover, Brian H.; Halgren, Larry R.; and Mills, Warren S., to Bellingham Marine Industries, Inc. Modular system for marine floats. 4,848,260, 7-18-89, Cl. 114-266.000.
Hamilton, L. Joe; and Coons, James O., to Hester, Linda L. Weighbridge with pivotal supporting system. 4,828,055, 5-9-89, Cl. 177-134.000.
Hamilton, Mark L. Rapid development surveillance vehicle and method. 4,815,757, 3-28-89, Cl. 180-764.100.
Hamilton, Mark L. Proportional motor control circuit. 4,851,753, 7-25-89, Cl. 318-609.000.
Hamilton, Nathaniel. Rotary broom. 4,864,674, 9-12-89, Cl. 15-4.000.
Hamilton, Olivia B. Medical supply case. 4,796,790, 1-10-89, Cl. 224-253.000.
Hamilton, Peter W.: *See*—
  Wosaba, Charles L., II; Hamilton, Peter W.; and Kissner, Robert J., 4,871,345, Cl. 493-59.000.
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Hamilton, Robert G.; and Van Doore, Frank J. Food composition. 4,842,885, 6-27-89, Cl. 426-635.000.
Hamilton, Robert G.; and Van Doore, Frank J. Food composition. 4,886,679, 12-12-89, Cl. 426-635.000.
Hamilton, Robert J. Multi-purpose self defense apparatus. 4,819,137, 4-4-89, Cl. 362-102.000.
Hamilton, Robert R.: *See*—
  Elris, Viggo; Johnson, Roderick M.; Hamilton, Robert R.; and Baly, Elliott J., 4,814,651, Cl. 310-88.000.
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  Hansen, Donald W., Jr.; Hamilton, Robert W.; Pitzele, Barnett S.; and Clare, Michael, 4,847,241, Cl. 514-19.000.
  Hansen, Donald W., Jr.; Pitzele, Barnett S.; Clare, Michael; and Hamilton, Robert W., 4,880,829, Cl. 514-445.000.
  Pitzele, Barnett S.; Hansen, Donald W., Jr.; Hamilton, Robert W.; Pilipauskas, Daniel R.; and Clare, Michael, 4,797,470, Cl. 530-331.000.
Hamilton, Samuel L. Contaminant sensing system. 4,823,625, 4-25-89, Cl. 73-866.500.
Hamilton Specialty Bar Division of Slater Industries Inc.: *See*—
  Bowman, Bradford C., 4,842,642, Cl. 75-10.580.
Hamilton Standard Controls, Inc.: *See*—
  Bornstein, Norman S., 4,834,939, Cl. 419-21.000.
  Bornstein, Norman S., 4,874,430, Cl. 75-234.000.
  Brown, Kenneth, 4,845,139, Cl. 29-620.000.
  Grunden, Michael T.; Youtz, Stephen E.; and Mierzwinski, Eugene P., 4,842,510, Cl. 431-19.000.
  Mierzwinski, Eugene P., 4,839,558, Cl. 313-510.000.
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  Noel, Richard K., 4,846,912, Cl. 156-212.000.
  Riley, Richard E.; and Brown, Kenneth, 4,827,769, Cl. 73-313.00
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Hamilton Tool Company, The: *See*—
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Hamkins, Clark J., to Kuhlman Corporation. Self-loading wire winding assembly and method. 4,884,758, 12-5-89, Cl. 242-4.0BE.
Hamlin, Humphrey A. S., to Normalair-Garrett (Holdings) Limited. Low pressure breathing regulators and breathing gas systems incorporating the same. 4,858,606, 8-22-89, Cl. 128-204.290.
Hamlin Incorporated: *See*—
  Reneau, Daniel R., 4,877,927, Cl. 200-61.45M.
Hamlin, J. Edward, to Bass Cabinet Manufacturing, Inc. Tool kit for finishing slide fitted article of furniture. 4,845,901, 7-11-89, C 51-391.000.
Hamlin, Jack W.; Logan, Bradley C.; Richards, William A.; Sanders, Maurice T.; and Wyckoff, Robert C., to Hughes Aircraft Company. Automatic fault insertion system (AFIS). 4,835,459, 5-30-89, C 324-73.00R.
Hamlin, Jerry F. Enclosed vapor dispensing apparatus and method. 4,838,456, 6-13-89, Cl. 222-1.000.
Hamlin, John E.: *See*—
  Anderson, Jeffrey J.; Drury, David J.; Hamlin, John E.; and Ker, Alexander G., 4,855,496, Cl. 562-609.000.
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  Leonard, George H., 4,816,008, Cl. 474-47.000.
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Hamm, Sidney R.; and Wainio, Ronald A., to Cooper Industries, Inc. Dielectric barrier for a vacuum interrupter. 4,879,441, 11-7-89, C 200-144.00B.
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Hamma, Kentaro: *See*—
  Kimura, Hiroyuki; Kobori, Yasunori; Hamma, Kentaro; Omata, Takashi; and Oki, Katsunori, 4,855,840, Cl. 358-296.000.
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Hamma, Noritaka; Saito, Yoshikazu; Nishizawa, Toshio; and Katsumata, Takashi, to Sumitomo Chemical Company, Limited. Fluorine derivatives of vitamin D_3 and process for producing the same. 4,853,378, 8-1-89, Cl. 514-167.000.
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  Moore, Vernon S.; and Hamman, Reed K., 4,822,089, C 294-82.340.
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  Kojima, Keisuke; Kyuma, Kazuo; Noda, Susumu; Kameya, Masaaki; Ohta, Jun; and Hammanaka, Koichi, 4,888,78 C 372-44.000.
Hammann, Peter; Grabley, Susanne; Raether, Wolfgang; Gommer, Bernd; Kluge, Heinz; and Sachse, Burkhard, to Hoechst Aktiengesellschaft. Process for the preparation of the demalonyl compounds of macrolide lactones. 4,873,347, 10-10-89, Cl. 549-267.000.
Hammann, Rainer; Weber, Friedrich; and Rohm, Peter, to Becton, Dickinson and Company. Blood culture system. 4,812,408, 3-14-8 Cl. 435-296.000.
Hammar, Richard H., to General Motors Corporation. Method of making positive battery paste. 4,881,944, 11-21-89, Cl. 29-623.50
Hammar, W. James, to Minnesota Mining and Manufacturing Company. Acrylate and methacrylate monomers and polymers. 4,801,74 1-31-89, Cl. 560-224.000.
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  Friedrich, Ronald; Hammecke, Werner, deceased; and Friedrich, Ronald, 4,802,526, Cl. 164-287.000.

Hammel, Joseph J.; Robertson, Walter J.; Marshall, William P.; Barch, Herbert W.; Daas, Balhhadra; Smoot, Michael A.; and Beaver, Richard P., to PPG Industries, Inc. Process of gas enrichment with porous siliceous-containing material. 4,842,620, 6-27-89, Cl. 55-16.000.
Hammel, Joseph J., to PPG Industries, Inc. Porous inorganic siliceous-containing gas enriching material and process of manufacture and use. 4,853,001, 8-1-89, Cl. 55-16.000.
Hammelmann, Paul. High pressure plunger pump. 4,840,548, 6-20-89, Cl. 417-469.000.
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Hammer, Bernard, to Siemens Aktiengesellschaft. Method for data reduction of digital video signals by vector quantization of coefficients acquired by orthonormal transformation with a symmetrical nearly, cyclical hadamard matrix. 4,829,376, 5-9-89, Cl. 358-133.000.
Hammer, Bernard; and von Brandt, Achim, to Siemens Aktiengesellschaft. Method for data reduction of digital image sequences. 4,853,779, 8-1-89, Cl. 358-133.000.
Hammer, Carl H.: *See*—
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  Kruse, Richard J.; and Hammer, David E., 4,828,810, Cl. 423-245.100.
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  Perusse, Eugene T.; and Hammer, Eugene L., 4,881,023, Cl. 323-266.000.
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Hammer, Floyd V.; and Harper, Brian, to Floyd V. Hammer. Method of making a molded plastic product. 4,824,627, 4-25-89, Cl. 264-211.210.
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  Dornhagen, Horst; Hammer, Hartmut; and Meisenburg, Ewald, 4,802,956, Cl. 203-42.000.
  Dornhagen, Horst; Hammer, Hartmut; Haas, Bernd; and Meisenburg, Ewald, 4,885,405, Cl. 568-698.000.
Hammer, Jacob M., to General Electric Company. Device and method for monitoring a light-emitting device. 4,872,176, 10-3-89, Cl. 372-50.000.
Hammer, Klaus-Dieter; Siebrecht, Manfred; and Winter, Hermann, to Hoechst Aktiengesellschaft. Permanently plasticized, cellulose-based product. 4,871,791, 10-3-89, Cl. 524-35.000.
Hammer, Ole; and Gras, Jean-Jacques, to Motorola, Inc. Method of operating a radio transmission or communication system including a central station and a plurality of individual remote stations, a radio transmission or communication system, and a remote station. 4,872,204, 10-3-89, Cl. 455-54.000.
Hammer, Robert; and Hedge, Suryanarayan G., to International Business Machines Corporation. Linear actuator using a compound parallel bendable element suspension system. 4,868,696, 9-19-89, Cl. 360-106.000.
Hammer, Roy B., to Cannon USA, Inc. Chain drive apparatus. 4,825,999, 5-2-89, Cl. 198-834.000.
Hammerl, Gunter, to Bosch-Siemens Hausgerate GmbH. Lighting device for an oven capable of being acted upon by microwave energy, in particular a household oven. 4,814,952, 3-21-89, Cl. 362-92.000.
Hammerl, Gunter, to Bosch-Siemens Hausgerate GmbH. Lighting device for an oven to be exposed to microwave energy, in particular a household oven. 4,853,508, 8-1-89, Cl. 219-10.55R.
Hammerl, Gunter; Lintner, Kurt; Krautscheid, Josef; and Klement, Johann, to Bosch-Siemens Hausgerate GmbH. Electric lighting device for household appliances such as ovens. 4,870,546, 9-26-89, Cl. 362-92.000.
Hammerle AG: *See*—
  Urs, Walchli, 4,815,349, Cl. 83-404.000.
  Zbornik, Vaclav, 4,842,473, Cl. 414-626.000.
Hammerling, Ulrich; and Kosinski, Slawomir, to Sloan-Kettering Institute for Cancer Research. Method for cloning lymphoblastoid cells. 4,804,627, 2-14-89, Cl. 435-240.210.
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Hammerschmidt, Erich; and Blank, Heinz U., to Bayer Aktiengesellschaft. Process for the preparation of 6-hydroxynaphthalene-1-carboxylic from 1-aminomethylnaphthalene-6-sulphonic acid. 4,874,892, 10-17-89, Cl. 562-409.000.
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  Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; Bottenbruch, Ludwig; Kleiner, Frank; and Blank, Heinz-Ulrich, 4,835,243, Cl. 528-176.000.
Hammershaimb, Harold U.; and Frame, Robert R., to UOP. Process for the oligomerization of olefinic hydrocarbons. 4,835,331, 5-30-89, Cl. 585-520.000.
Hammershaimb, Harold U.: *See*—
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Hammersla, Robert L., Jr., to Woven Electronics Corporation. Reinforced cargo sling and method. 4,856,837, 8-15-89, Cl. 294-74.000.
Hammerstrom, Daniel W.; and Bailey, James L., to Oregon Graduate Center. Neural-model, information-handling architecture and method. 4,796,199, 1-3-89, Cl. 364-513.000.
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  Habermann, Wolfgang; Engelhardt, Hubert; Geiger, Wolfgang; Mayer, Udo; Hammes, Peter; and Simmler, Werner, 4,828,718, Cl. 210-763.000.
Hammes, Walter P., to Karl Muller u. Co. KG. Method of preserving meat products and microorganisms for the stabilization of meat products. 4,886,673, 12-12-89, Cl. 426-56.000.
Hammesfahr, Paul D.; Jefferies, Steven R.; and Sitzema, Ronald L., Jr., to Dentsply Research & Development Corp. Dental impression tray. 4,867,682, 9-19-89, Cl. 433-37.000.
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Hammett, Roy; Hutcheson, Jerry D.; and Avedon, Raymond B. Mechanically pressurized aerosol dispenser. 4,872,595, 10-10-89, Cl. 222-209.000.
Hammon, Fritz; Heim, Uwe; Kaemmer, Eduard; and Reuther, Hans-Peter, to BASF Aktiengesellschaft. Structure-free application of dispersions to flexible base materials. 4,868,017, 9-19-89, Cl. 427-356.000.
Hammon, Mark A.; and Ackerman, Steven J., to Ste-Mak, Inc. Golf mat. 4,844,470, 7-4-89, Cl. 273-195.00R.
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Hammond, Francis P.; and Lewis, Martyn A., to Data Recording Instrument Company Limited; and Cambrian Consultants, Inc. Transducer positioning apparatus with multiple modes of motion. 4,831,315, 5-16-89, Cl. 318-567.000.
Hammond, Gary C.; Corser, George A.; and Eddy, Dale P., to GMI Engineering & Management Institute. Apparatus and method for measuring mass flow and density. 4,860,594, 8-29-89, Cl. 73-861.420.
Hammond, Gary C.: *See*—
  Corser, George; Hammond, Gary C.; and Eddy, Dale P., 4,838,093, Cl. 73-861.530.
Hammond, Graeme L.; and Havre, Pamela A., to Yale University. Translation inhibiting peptide. 4,868,286, 9-19-89, Cl. 530-350.000.
Hammond, John A., to Western Atlas International, Inc. Noise tool and method. 4,796,026, 1-3-89, Cl. 340-857.000.
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Hammond, Martin B.: *See*—
  Tatomir, Paul J.; Hammond, Martin B.; and Kich, Rolf, 4,802,234, Cl. 333-211.000.
  Tatomir, Paul J.; and Hammond, Martin B., 4,812,790, Cl. 333-212.000.
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Hammond, Robert B.; and Bowman, Douglas R., to United States of America, Energy. Polysilicon photoconductor for integrated circuits. 4,821,091, 4-11-89, Cl. 357-30.000.
Hammond, Robert S. Sectional circular staircase. 4,869,034, 9-26-89, Cl. 52-184.000.
Hammond, Robert W., to John Fluke Mfg. Co., Inc. Apparatus and method for providing improved resistive ratio stability of a resistive divider network. 4,859,980, 8-22-89, Cl. 338-308.000.
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Hammond, Scott H.; Kirk, Ronald L.; and Francis, Eric R., to TransData, Inc. Digital power metering. 4,884,021, 11-28-89, Cl. 324-142.000.

Hammonds, R. Glenn; Leung, David W.; Martin, David W., Jr.; Spencer, Steven A.; and Wood, William I., to Genentech, Inc. Methods and compositions for immunologically modulating growth hormone receptor activity. 4,857,637, 8-15-89, Cl. 530-403.000.

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Brueck, Steven R. J.; Schaus, Christian F.; Osinski, Marek A.; McInerney, John G.; Raja, M. Yasin A.; Brennan, Thomas M.; and Hammons, Burrell E., 4,881,236, Cl. 372-45.000.

Hammons, Carl A.: *See—*

Martin, Joseph H.; and Hammons, Carl A., 4,847,791, Cl. 364-554.000.

Hammons, Sheridan W.; and Moore, Robert H., to Litton Systems, Inc. Method for planar beam path alignment of a square ring laser gyroscope. 4,861,160, 8-29-89, Cl. 356-138.000.

Hammons, Sheridan W.: *See—*

Hendow, Sami T.; Martin, Graham J.; and Hammons, Sheridan W., 4,825,260, Cl. 356-350.000.

Hamner, Glen P., to Exxon Research and Engineering Company. Process for the hydroisomerization and hydrocracking of Fisher-Tropsch waxes to produce a syncrude and upgraded hydrocarbon products. 4,832,819, 5-23-89, Cl. 208-27.000.

Hamner, Glen P., to Exxon Research and Engineering Company. Process for the production of high density jet fuel from fused multi-ring aromatics and hydroaromatics. 4,875,992, 10-24-89, Cl. 208-89.000.

Hamner, James R.: *See—*

Scrilkey, Daniel P.; and Hamner, James R., 4,867,924, Cl. 264-101.000.

Hamon, Gilles: *See—*

Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, 4,808,609, Cl. 514-415.000.

Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, 4,853,408, Cl. 514-415.000.

Fauveau, Patrick; Nedelec, Lucien; Agouridas, Constantin; and Hamon, Gilles, 4,831,043, Cl. 514-322.000.

Hamori, Attila: *See—*

Szekely, Lajos; Hamori, Attila; Vida, Miklos; and Kunos, Karoly, 4,832,078, Cl. 137-553.000.

Hamori, Tamas: *See—*

Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.

Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,948, Cl. 514-221.000.

Hamp, Charles H., III; and Weindorf, Paul F. L., to Honeywell Inc. Synchronization circuit for a resonant flyback high voltage supply. 4,888,821, 12-19-89, Cl. 363-21.000.

Hampe, Andreas: *See—*

Bottenbruch, Ludwig; Traenckner, Hans-Joachim; Hampe, Andreas; and Schumacher, Klaus, 4,856,342, Cl. 73-827.000.

Hampe, Patrick; and Kelbert, Serge, to DYNA-5, Inc. Surface treatment product. 4,837,261, 6-6-89, Cl. 524-268.000.

Hampel, Hans-Joachim: *See—*

Wittekind, Jurgen; and Hampel, Hans-Joachim, 4,863,601, Cl. 210-474.000.

Hampel, Peter: *See—*

Roese, Horst; Bertke, Heinrich; Bruggemann, Reinhard; and Hampel, Peter, 4,856,331, Cl. 73-268.000.

Hampel, Viktor E., to United States of America, Energy. Underground nuclear power station using self-regulating heat-pipe controlled reactors. 4,851,183, 7-25-89, Cl. 376-274.000.

Hampl, Vladimir, Jr.; Fields, Robert D.; and Bullwinkel, Edward P., to Kimberly-Clark Corporation. Sidestream reducing cigarette paper. 4,805,644, 2-21-89, Cl. 131-365.000.

Hamprecht, Gerhard; Theobald, Hans; Spiegler, Wolfgang; Richarz, Winfried; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, to BASF Aktiengesellschaft. Quinoline derivatives microbicides containing these compounds, and their use for controlling bacteria and fungi. 4,829,072, 5-9-89, Cl. 514-314.000.

Hamprecht, Gerhard, to BASF Aktiengesellschaft. Substituted 3-fluoroalkoxybenzoyl halides and their preparation. 4,832,879, 5-23-89, Cl. 260-544.00F.

Hamprecht, Gerhard: *See—*

Merkle, Hans; Mueller, Albrecht; Hamprecht, Gerhard; and Reissenweber, Gernot, 4,868,308, Cl. 546-310.000.

Hamprecht, Rainer, to Bayer Aktiengesellschaft. Process for the preparation of benzothiazoles. 4,808,723, 2-28-89, Cl. 548-164.000.

Hamprecht, Rainer, to Bayer Aktiengesellschaft. Process for preparing 2-amino-thiophenes and azo dyestuffs prepared therefrom. 4,888,432, 12-19-89, Cl. 549-57.000.

Hampshire Instruments, Inc.: *See—*

Frankel, Robert D.; and Drumheller, Jerry, 4,837,793, Cl. 378-34.000.

Frankel, Robert D.; and Drumheller, Jerry P., 4,860,328, Cl. 378-34.000.

Frankel, Robert D.; Martin, Marc J.; Baker, David G.; and Duft, Thomas L., 4,870,668, Cl. 378-34.000.

Frankel, Robert D.; and Drumheller, Jerry, 4,872,189, Cl. 378-119.000.

Hampson, Bradford E., to Prime Computer, Inc. Digital computer system for executing encrypted programs. 4,847,902, 7-11-89, Cl. 380-4.000.

Hampton, Douglas R. Outboard jet foot protector. 4,850,9[illegible], 7-25-89, Cl. 440-46.000.

Hampton, Edward J.: *See—*

Porowski, Jan S.; Badlani, Manu L.; Hampton, Edward J.; and O'Donnell, William J., 4,817,441, Cl. 73-863.120.

Porowski, Jan S.; Badlani, Manu L.; O'Donnell, William J.; and Hampton, Edward J., 4,842,655, Cl. 148-130.000.

Hampton, Herbert R.; Fodale, Robert; and Conkling, Charles R., Jr., to Grumman Aerospace Corporation. Electro-optic space positioner with background compensator. 4,840,069, 6-20-89, Cl. 73-802.000.

Hampton, Joe B., to Phillips Petroleum Company. Temperature control for a KOH treater. 4,797,199, 1-10-89, Cl. 208-262.100.

Hampton, Keith; Krzysik, Don J.; and Lilley, Glen R., to Eaton Corporation. Sealed camshaft phase change device. 4,841,924, 6-27-89, Cl. 123-90.150.

Hampton Roads Sanitation District of the Commonwealth of Virginia: *See—*

Daigger, Glen T.; Borberg, James R.; and Morales, Liliana M., 4,867,883, Cl. 210-605.000.

Hamrick, Claude A. S.: *See—*

Husmann, Robert J.; and Hamrick, Claude A. S., 4,870,404, Cl. 340-550.000.

Hamrick, Jerry O. Mechanics creeper apparatus. 4,875,694, 10-24-89, Cl. 280-32.600.

Hamstra, James R., to Unisys Corporation. Hierarchial memory system with separate criteria for replacement and writeback without replacement. 4,811,203, 3-7-89, Cl. 364-200.000.

Hamstra, James R.: *See—*

Rusterholz, John T.; and Hamstra, James R., 4,858,115, Cl. 364-200.000.

Rusterholz, John T.; Lahti, Archie E.; Bushard, Louis B.; Byers, Larry L.; Hamstra, James R.; and Homan, Charles J., 4,873,630, Cl. 364-200.000.

Hamura, Takeshi: *See—*

Nosaka, Sokichi; Hamura, Takeshi; and Nagai, Takaji, 4,813,919, Cl. 474-266.000.

Hamuro, Mitsuro; Yamamoto, Shinya; and Saito, Koichi, to Murata Manufacturing Co., Ltd. Cassette storing a plurality of electronic component chips including means for securing the cassette to a hopper. 4,846,345, 7-11-89, Cl. 206-328.000.

Hamuro, Mitsuro: *See—*

Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, 4,803,777, Cl. 29-856.000.

Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, 4,823,103, Cl. 336-175.000.

Hamy, Norbert, to Bata Limited. Sole arrangement for footwear. 4,852,273, 8-1-89, Cl. 36-28.000.

Hamzezadeh, Mohammed M.: *See—*

Schonstedt, Erick O.; and Hamzezadeh, Mohammed M., 4,839,621, Cl. 336-213.000.

Hamzik, Richard R.: *See—*

Anderson, Floyd E.; and Hamzik, Richard R., 4,851,092, Cl. 357-45.000.

Han, Bong H., to Samsung Electronics Co., Ltd. Speaker system. 4,872,527, 10-10-89, Cl. 181-160.000.

Han Chi Hang Co., Ltd.: *See—*

Huang, Koa-Cherng, 4,853,161, Cl. 261-81.000.

Han, Choong Y.: *See—*

Hathaway, Susan J.; and Han, Choong Y., 4,808,672, Cl. 525-397.000.

Han Il E'wha Co., Ltd.: *See—*

Lee, Chang Y., 4,866,110, Cl. 524-11.000.

Han, Ink S.: *See—*

Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seng C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.

Han, Jae-Kwang: *See—*

Kim, Young-Gil; and Han, Jae-Kwang, 4,847,046, Cl. 420-76.000.

Han, Joon H. Automatic watering device for plants. 4,825,591, 5-2-89, Cl. 47-67.000.

Han, Joon Ho. Watering device for plants. 4,848,029, 7-18-89, Cl. 47-79.000.

Han, Joseph: *See—*

Mendoza, Joe; and Han, Joseph, 4,869,817, Cl. 210-169.000.

Han, Jui; and Sun, Yan. Topical application of glyciphosphoramide. 4,826,830, 5-2-29, Cl. 514-118.000.

Han, Pilsoon: *See—*

Yoon, Myongwhan; Whang, Seongtae; Chang, Insoon; and Han, Pilsoon, 4,871,518, Cl. 423-11.000.

Han, Scott; and Palermo, Robert E., to Mobil Oil Corporation. Processes for converting methane to higher molecular weight hydrocarbons via sulfur-containing intermediates. 4,864,073, 9-5-89, Cl. 585-943.000.

Han, Scott; and Palermo, Robert E., to Mobil Oil Corporation. Process for converting methane to higher molecular weight hydrocarbons via sulfur-containing intermediates. 4,864,074, 9-5-89, Cl. 585-943.000.

Han, Scott: *See—*

Abeil, Robert P. L.; Han, Scott; Marler, David O.; and Shihabi, David S., 4,851,604, Cl. 585-475.000.

Audeh, Costandi A.; Bell, Weldon K.; Han, Scott; and Palermo, Robert E., 4,822,938, Cl. 585-324.000.

Bowes, Emmerson; Chang, Clarence D.; Han, Scott; and Shihabi, David S., 4,876,411, Cl. 585-533.000.

McCullen, Sharon B.; Chen, Nai Y.; and Han, Scott, 4,828,812, Cl. 423-326.000.

Han, William T.; and Wright, John J., to Bristol-Myers Company. Intermediates for antihypercholesterolemic tetrazole compounds. 4,824,959, 4-25-89, Cl. 548-253.000.

Han, William T., to Bristol-Myers Company. Antiarthritic β-cycloalkyl-β-oxopropionitriles. 4,888,357, 12-19-89, Cl. 514-519.000.

Han, Xiaowen S. Self hair cutting device. 4,8[illegible]8, 9-26-89, Cl. 30-210.000.

Han, Yu-Pin: *See—*

Chen, Tsiu C.; and Han, Yu-Pin, 4,868,138, Cl. 437-44.000.

Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, to Nippon Oil & Fats Co., Ltd.; and Sumitomo Metal Industries, Ltd. Coating composition with improved rust-preventing properties for use in preparing lubricated steel products. 4,826,902, 5-2-89, Cl. 524-168.000.

Hanabata, Makoto: *See—*

Furuta, Akihiro; Hanabata, Makoto; Yasui, Seimei; Hiroaki, Osamu; and Jinno, Naoyoshi, 4,863,829, Cl. 430-192.000.

Oi, Fumio; Osaki, Haruyoshi; Furuta, Akihiro; Uemura, Yukikazu; Ninomiya, Takao; Uetani, Yasunori; and Hanabata, Makoto, 4,812,551, Cl. 528-129.000.

Hanabusa, Akira. Detachable rear-mounted light for a motorcycle helmet. 4,862,331, 8-29-89, Cl. 362-106.000.

Hanabusa, Hisao, to Toyoda Gosei Co., Ltd. Fluid chamber having a tubular filter and a securing recess for mounting the same. 4,853,125, 8-1-89, Cl. 210-172.000.

Hanabusa, Kazunori: *See—*

Yamada, Takeshi; Fujimoto, Hidetoshi; Ito, Kenzo; and Hanabusa, Kazunori, 4,812,980, Cl. 364-449.000.

Hanabusa, Kazuyoshi: *See—*

Kobayashi, Osamu; Miyagi, Satoshi; and Hanabusa, Kazuyoshi, 4,888,571, Cl. 336-65.000.

Hanabusa, Mikio: *See—*

Kunitomo, Kouichi; and Hanabusa, Mikio, 4,816,78[illegible], Cl. 332-19.000.

Hanabusa, Tadashi, to Canon Kabushiki Kaisha. Thermal recording apparatus. 4,879,566, 11-7-89, Cl. 346-76.0PH.

Hanack, Michael: *See—*

Gorler, Klaus; Krumbiegel, Gunter; Hanack, Michael; and Subramanian, Lakshmina R., 4,835,178, Cl. 514-463.000.

Hanada, Heiroku; Uesu, Yoshihiro; Matsuyama, Yohei; and Kato, Yuji, to Nippon Yusen Kaisha and Nippon Fruehauf Company, Ltd. Transportation container. 4,801,229, 1-31-89, Cl. 410-26.000.

Hanada, Kazuyuki; Misaizu, Iwao; Kashimura, Masashi; Goto, Tomoko; and Kuriyama, Katsumi, to Dainichiseika Color & Chemicals Mfg. Co., Ltd.; and Ukima Colour & Chemicals Mfg. Co., Ltd. Polyurethane emulsion, sheet-like porous material making use of the emulsion and production process of the material. 4,853,418, 8-1-89, Cl. 521-154.000.

Hanada, Kazuyuki: *See—*

Kuriyama, Katsumi; Hanada, Kazuyuki; Nakamura, Susumu; Misaizu, Iwao; Kashimura, Masashi; and Goto, Tomoko, 4,837,198, Cl. 503-227.000.

Hanada, Kenichirou: *See—*

Nishikawa, Toshihide; Hanada, Kenichirou; Nishimura, Yukinobu; and Shimomura, Setsuhiro, 4,807,581, Cl. 123-488.000.

Hanada, Koji; Sawamura, Masashi; Yoshikawa, Takeshi; Nihashi, Hiroyuki; and Tanaka, Tsuneo, to Toyo Ink Manufacturing Co., Ltd. Heat-sensitive transfer material. 4,877,681, 10-31-89, Cl. 428-336.000.

Hanada, Masayuki, to Kabushiki Kaisha Toshiba. Data transfer control unit permitting data access to memory prior to completion of data transfer. 4,864,533, 9-5-89, Cl. 364-900.000.

Hanada, Masayuki: *See—*

Fukuda, Morio; Hanada, Masayuki; Inutsuka, Hideo; and Ogata, Katsuya, 4,802,840, Cl. 425-464.000.

Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.

Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.

Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Hanada, Mikio; and Kobayashi, Hideki, to Japan Tobacco Inc. Machine for filling containers with rod-shaped objects. 4,827,691, 5-9-89, Cl. 53-151.000.

Hanada, Morio: *See—*

Okoma, Kaoru; Fujii, Eiichiro; and Hanada, Morio, 4,815,947, Cl. 417-410.000.

Hanada, Munehiro: *See—*

Araki, Kazunori; Hayashi, Masayuki; Yamaguchi, Shogo; and Hanada, Munehiro, 4,807,421, Cl. 53-167.000.

Hanada, Ryoji; Morikawa, Tuneo; and Kabe, Kazuyuki, to Yokohama Rubber Co., Ltd., The. Pneumatic radial tire and rim combination for passenger car. 4,872,497, 10-10-89, Cl. 152-541.000.

Hanada, Ryoji: *See—*

Misawa, Makoto; Kawakami, Shinji; and Hanada, Ryoji, 4,819,704, Cl. 152-209.00R.

Hanada, Sadashi: *See—*

Fujita, Yoshitada; Hanada, Sadashi; and Yamamoto, Yoshiaki, 4,884,938, Cl. 414-541.000.

Fujita, Yoshitada; and Hanada, Sadashi, 4,886,414, Cl. 414-786.000.

Hanada, Shinji; and Ishihara, Takayuki, to Canon Kabushiki Kaisha. Electrophotographic apparatus for depositing developer only on the image area of the image bearing member. 4,847,657, 7-11-89, Cl. 355-218.000.

Hanada, Shuichi: *See—*

Fukaya, Chikara; Naito, Youichiro; Hanada, Shuichi; Watanabe, Masahiro; and Yokoyama, Kazumasa, 4,868,201, Cl. 514-420.000.

Hanada, Takeshi: *See—*

Kametani, Masatsugu; Sugiyama, Kengo; Kogawa, Takashi; and Hanada, Takeshi, 4,803,613, Cl. 364-132.000.

Hanada, Toshihiro: *See—*

Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.

Hanada, Toshiro; and Yamanishi, Kazuhiko, to Wako Pure Chemical Industries, Ltd. Process for determining superoxide dismutase activity. 4,801,538, 1-31-89, Cl. 435-25.000.

Hanada, Toshiro: *See—*

Yamanishi, Kazuhiko; and Hanada, Toshiro, 4,837,331, Cl. 548-146.000.

Hanada, Yoshihiro; Nakamura, Yasuo; and Fukui, Kazuyuki, to Minolta Camera Kabushiki Kaisha. Sheet aligning arrangement. 4,867,436, 9-19-89, Cl. 271-221.000.

Hanafusa, Hiroaki: *See—*

Yokohama, Itaru; Chida, Kazunori; Noda, Juichi; Hanafusa, Hiroaki; Takeuchi, Yoshiaki; and Tateda, Mitsuhiro, 4,869,570, Cl. 350-96.150.

Hanafusa, Hiroshi; Yoneda, Kiyoshi; and Ogata, Hidenori, to Kozo Iizuka, Director General, Agency of Industrial Science and Technology. Method for producing a silicon thin film by MBE using silicon beam precleaning. 4,833,100, 5-23-89, Cl. 437-85.000.

Hanafusa, Hiroshi: *See—*

Inoue, Yasunori; and Hanafusa, Hiroshi, 4,882,300, Cl. 437-236.000.

Hanafusa, Hisao. Beverage container with dual dispensing tabs. 4,872,597, 10-10-89, Cl. 222-541.000.

Hanagan, Joseph J.; and Raymer, Doyle, to King-Seeley Thermos Company. Insect guard for a gas appliance. 4,817,583, 4-4-89, Cl. 126-41.00R.

Hanagan, Mary A.; and Wexler, Barry A., to Du Pont de Nemours, E. I., and Company. Herbicidal pyridine sulfonamides. 4,838,926, 6-13-89, Cl. 71-92.000.

Hanagan, Mary A., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,838,929, 6-13-89, Cl. 71-93.000.

Hanagan, Mary A., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,878,938, 11-7-89, Cl. 71-92.000.

Hanagasaki, Osamu: *See—*

Hotta, Tadahiko; and Hanagasaki, Osamu, 4,870,033, Cl. 437-192.000.

Hanagata, Haruo: *See—*

Oshima, Katsuhide; Murai, Toshiaki; Sakurai, Hitoshi; Igarashi, Shuji; Hanagata, Haruo; and Igarashi, Hidesato, 4,889,602, Cl. 204-38.100.

Hanagata, Takayoshi; and Tazaki, Shigemitsu, to Canon Kabushiki Kaisha. Recorder-medium registration system. 4,839,674, 6-13-89, Cl. 346-136.000.

Hanagata, Toshiyuki, to Kabushiki Kaisha Hanagata. Packaging apparatus for packaging articles in a double film. 4,862,679, 9-5-89, Cl. 53-568.000.

Hanahan, Douglas, to Cold Spring Harbor Laboratory. Biologically pure escherichia coli cell line which is a deoR⁻ mutant and which is more transformation efficient with foreign plasmids than deoR⁺ escherichia coli cell lines, processes for obtaining these cell lines, methods of use. 4,851,348, 7-25-89, Cl. 435-252.330.

Hanahara, Keishi: *See—*

Maruyama, Tsugito; Kanda, Shinji; and Hanahara, Keishi, 4,846,576, Cl. 356-376.000.

Hanai, Kazuko; Yamada, Yasuyuki; and Miyoshi, Takahito, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,812,369, 3-14-89, Cl. 428-425.900.

Hanai, Kazuko: *See—*

Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Hanai, Kazuko, 4,880,692, Cl. 428-323.000.

Hanai, Mineo: *See—*

Kondo, Naohiko; Hanai, Mineo; Miyagawa, Yoshiaki; Mochizuki, Ikuo; Ito, Yuji; and Iwase, Takatoshi, 4,834,700, Cl. 493-463.000.

Hanai, Misao: *See—*

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Hanai, Toshimichi, to Nissan Motor Company, Ltd. Seat with arm rest. 4,844,546, 7-4-89, Cl. 297-416.000.

Hanajima, Mitsuru: *See—*

Kimura, Shuichi; and Hanajima, Mitsuru, 4,825,431, Cl. 369-50.000.

Hanajima, Tadashi; and Kato, Tatsuo, to Hosiden Electronics Co., Ltd. Keyboard switch. 4,864,085, 9-5-89, Cl. 200-5.00A.

Hanak, Joseph A.: *See—*

Breuer, Miklos M.; and Hanak, Joseph A., 4,802,255, Cl. 15-159.00A.

Hanaka, Ikutaro: *See—*

Nishihiro, Akinori; Hanaka, Ikutaro; and Kajita, Takeyoshi, 4,816,981, Cl. 363-37.000.

Hanakawa, Katsunori; Okazaki, Ken; and Uosaki, Yasuo, to Mazda Motor Corporation. Apex seal for rotary piston engine and method for manufacturing the same. 4,863,533, 9-5-89, Cl. 148-141.000.

Hanakawa, Kazushi; and Yoda, Kiyoshi, to Mitsubishi Denki Kabushiki Kaisha. Magnetic resonance imaging method and apparatus therefor. 4,868,502, 9-19-89, Cl. 324-309.000.

Hanaki, Akira, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Rotary direction detecting sensor. 4,814,743, 3-21-89, Cl. 200-61.390.

- Hanaki, Akira: *See—*
  - Yukitomo, Kazuo; Anan, Yoshiaki; Hattori, Masaichi; Arakawa, Kareyasu; Hanaki, Akira; and Kihira, Koichi, 4,801,770, Cl. 200-61.270.
- Hanaki, Kenichi; Kitagawa, Hitomi; Tominaga, Takayuki; and Hattori, Tadashi, to Nippon Soken, Inc. Method for forming silicon carbide semiconductor film. 4,847,215, 7-11-89, Cl. 437-100.000.
- Hanakura, Niichi; and Nagaoka, Ryuichiro. Battery tester including a thermochromic material. 4,835,475, 5-30-89, Cl. 324-435.000.
- Hanakura, Niichi, to Sakura Color Products Corp. Cigarette having thermochromogenic portions thereon. 4,854,332, 8-8-89, Cl. 131-365.000.
- Hanami, Osamu; Nomura, Shinichi; and Kogure, Toshiharu, to Seiko Seiki Kabushiki Kaisha. Inspection apparatus. 4,868,805, 9-19-89, Cl. 369-53.000.
- Hanami, Takayoshi, to Seiko Instruments, Inc. Electro-optical device. 4,878,738, 11-7-89, Cl. 350-334.000.
- Hanamura, Shizuo: *See—*
  - Hakamada, Kunio; Hanamura, Shizuo; Oda, Osamu; and Amano, Toshio, 4,845,564, Cl. 358-183.000.
- Hanamura, Shoji: *See—*
  - Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.
  - Minato, Osamu; Masuhara, Toshiaki; Ishibashi, Koichiro; Hanamura, Shoji; Honjyo, Shigeru; and Moriwaki, Nobuyuki, 4,841,486, Cl. 365-207.000.
- Hanamura, Yoshihiko: *See—*
  - Nishio, Kouji; and Hanamura, Yoshihiko, 4,872,460, Cl. 128-648.000.
- Hanano Commercial Co., Ltd.: *See—*
  - Eguchi, Kiyohisa; Kitamura, Norio; Okamura, Terumasa; and Ohta, Jouji, 4,834,891, Cl. 252-28.000.
- Hanano, Masamitsu: *See—*
  - Saito, Chuichi; and Hanano, Masamitsu, 4,819,781, Cl. 198-335.000.
- Hanaoka, Hiroaki: *See—*
  - Nishida, Makoto; and Hanaoka, Hiroaki, 4,851,558, Cl. 556-471.000.
- Hanaoka, Kazunari; and Ishii, Hiroshi, to Kabushiki Kaisha Matsui Seisakusho. Method of mixing pulverulent materials and device for practicing the same. 4,850,703, 7-25-89, Cl. 366-160.000.
- Hanaoka, Motoyoshi; and Nakamura, Akira, to Nissan Motor Company, Limited. Throttle control system for automotive internal combustion engine with fail-safe mechanism. 4,856,477, 8-15-89, Cl. 123-399.000.
- Hanaoka, Motoyoshi: *See—*
  - Nakamura, Akira; Hanaoka, Motoyoshi; and Sugimoto, Tatsuo, 4,800,773, Cl. 74-500.500.
- Hanaoka, Seiji; Minowa, Masahiro; Okamura, Masataka; Masumura, Masao; Iwasa, Tooru; Watanabe, Noboru; Mitsugi, Shoichi; and Miyazawa, Norimichi, to Seiko Epson Corporation; and Jeco Company Limited. Carriage mechanism for thermal printer. 4,822,186, 4-18-89, Cl. 400-120.000.
- Hanari, Shigeko: *See—*
  - Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.
- Hanashita, Kazuhiko: *See—*
  - Yamada, Izumi; Oishi, Tetsuya; and Hanashita, Kazuhiko, 4,802,891, Cl. 44-51.000.
- Hanatani, Masaru: *See—*
  - Miyamoto, Seiichi; Hanatani, Masaru; and Tajima, Yo, 4,829,374, Cl. 358-93.000.
- Hanatani, Shinji; Sugiyama, Yoshiaki; and Chino, Hisayoshi, to Sony Corporation. Device for loading a tape-like substance. 4,855,846, 8-8-89, Cl. 360-84.000.
- Hanato, Hiroyuki: *See—*
  - Ishii, Hiroshi; Nakai, Shunji; Sawai, Hiroyuki; Ueda, Tetsuyuki; Hanato, Hiroyuki; and Iwamatsu, Tadashi, 4,866,463, Cl. 346-163.000.
- Hanau, Paul R.; and Blythe, M. David, to Hewlett-Packard Company. Method for time modulation in vector film recorders. 4,827,434, 5-2-89, Cl. 364-526.000.
- Hanausek-Walaszek, Malgorzata: *See—*
  - Walaszek, Zbigniew; Hanausek-Walaszek, Malgorzata; Webb, Thomas E.; and Minton, John P., 4,845,123, Cl. 514-473.000.
- Hanausek-Walaszek, Margaret: *See—*
  - Webb, Thomas E.; Schumm, Dorothy E.; Hanausek-Walaszek, Margaret; Walaszek, Zbigniew; and Lang, Raymond W., 4,871,661, Cl. 435-7.000.
- Hanauske-Abel, Hartmut: *See—*
  - Teetz, Volker; Henke, Stephan; Brocks, Dietrich; Hanauske-Abel, Hartmut; and Gunzler, Volkmar, 4,797,471, Cl. 514-18.000.
- Hanawa, Eiichi: *See—*
  - Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.
- Hanawa, Hiroji: *See—*
  - Andrews, Dana; and Hanawa, Hiroji, 4,882,129, Cl. 422-186.200.
- Hanawa, Makoto; Kawasaki, Ikuya; and Nishimukai, Tadahiko, to Hitachi, Ltd. Microprocessor for retrying data transfer. 4,845,614, 7-4-89, Cl. 364-200.000.
- Hanawa, Masatoshi, to Kabushiki Kaisha Toshiba. Magnetic resonance imaging system. 4,799,012, 1-17-89, Cl. 324-309.000.
- Hanawa, Masatoshi; and Hayakawa, Hiroshi, to Kabushiki Kaisha Toshiba. Magnetic resonance imaging system. 4,806,867, 2-21-89, Cl. 324-314.000.
- Hanawa, Masatoshi, to Kabushiki Kaisha Toshiba. Magnetic resonance spectroscopy system. 4,887,035, 12-12-89, Cl. 324-309.000.
- Hanawaka, Masuo: *See—*
  - Mikuriya, Kenta; Hanawaka, Masuo; Ohya, Akira; Hirukawa, Hideo; Uehara, Shoji; and Yamakawa, Kenichi, 4,832,487, Cl. 356-243.000.
- Hanaya, Morimasa; Miura, Tsunemoto; Mamiya, Satoru; Isozaki, Hiroshi; and Miyajima, Kiyoshi, to Tokushu Paper Manufacturing Co., Ltd.; and Ishikawajima Industrial Machinery Co., Ltd. Bale unpacking method and system therefor. 4,838,751, 6-13-89, Cl. 414-412.000.
- Hanazawa, Hideaki; Mori, Makoto; Sasaki, Katsumi; and Inagaki, Katsumi, to National Starch and Chemical Corporation. Emulsion-type rust preventive baking composition. 4,812,327, 3-14-89, Cl. 427-388.400.
- Hanazawa, Kazuyoshi: *See—*
  - Mizuno, Shinji; Kawato, Humio; Hanazawa, Kazuyoshi; Aoyama, Tatsuaki; and Ogasawara, Yoshinari, 4,875,911, Cl. 55-162.000.
- Hanazawa, Kouichi: *See—*
  - Nagai, Teiji; Sakazume, Ryo; Hanazawa, Kouichi; Nakayama, Hiroshi; and Minagawa, Yoshio, 4,872,024, Cl. 346-1.100.
- Hance, Albert B.: *See—*
  - Austin, Frank S.; and Hance, Albert B., 4,864,652, Cl. 455-617.000.
- Hancher, Charles M.: *See—*
  - Napier, John M.; Hancher, Charles M.; and Hackett, Gail D., 4,814,091, Cl. 210-665.000.
- Hancock, Arnold H., to Aquacorp Limited. Pipe connector. 4,887,852, 12-19-89, Cl. 285-175.000.
- Hancock, David; Hoyt, Robert; and Formica, Joseph, to Eastman Kodak Company. System for guiding a user in orienting an application insert having a plurality of datastrips relative to a datastrip reader. 4,855,579, 8-8-89, Cl. 235-436.000.
- Hancock, Donald J.; and Robson, Ronald R., to Hughes Aircraft Company. Dual mode flyback power supply. 4,835,669, 5-30-89, Cl. 363-21.000.
- Hancock, Ernest O.: *See—*
  - Fazi, Valentino N., Jr.; Murdock, Ronald G.; Hancock, Ernest O.; and McCready, John W., 4,819,503, Cl. 74-574.000.
- Hancock Jaffe Laboratories: *See—*
  - Dixon, France T., 4,813,958, Cl. 623-11.000.
  - Dixon, France T.; and Lewis, Royce C., Jr., 4,813,964, Cl. 623-13.000.
  - Freeman, Donald C., Jr., 4,798,611, Cl. 623-66.000.
- Hancock, James R.: *See—*
  - McAndless, John M.; Hancock, James R.; Barnett, Donald B.; Olm, Orville J.; Locke, Terry J. A.; and Maybank, John, 4,869,117, Cl. 73-864.340.
- Hancock, James W. Double sealed, double wall insulated SPA pipe coupling. 4,804,210, 2-14-89, Cl. 285-47.000.
- Hancock, John C.; Dubrul, William R.; and Heyler, Charles J., III, to McGhan Medical Corporation. Self-sealing injection reservoir. 4,798,584, 1-17-89, Cl. 604-93.000.
- Hancock, John C.; Dubrul, William R.; and Heyler, Charles J., III, to McGhan Medical Corporation. Self-sealing injection reservoir. 4,840,615, 6-20-89, Cl. 604-93.000.
- Hancock, Johnie L.: *See—*
  - Landgraf, Robert M.; and Hancock, Johnie L., 4,823,077, Cl. 324-121.00R.
- Hancock, Mark W.; and May, Marvin M., to Aquatec, Inc. Low pressure, high efficiency carbonator and method. 4,850,269, 7-25-89, Cl. 99-323.100.
- Hancock, Mark W.; and May, Marvin M., to Aquatec, Inc. Gas-driven carbonator and method. 4,859,376, 8-22-89, Cl. 261-35.000.
- Hancock, Michael P.; and Hayes, Scott L., to Goex, Inc. Shaped charge detonating cord retainer arrangement. 4,852,495, 8-1-89, Cl. 102-306.000.
- Hancock, Michael P.; and Hayes, Scott L., to Goex, Inc. Shaped charge with bifurcated projection for detonating cord. 4,885,993, 12-12-89, Cl. 102-307.000.
- Hancock, Michael T., to Torrington Company, The. Coupling member for taking up torque in a vehicle steering column and a vehicle steering column assembly. 4,802,881, 2-7-89, Cl. 464-93.000.
- Hancock, Miriam E. C.; Smith, Helene S.; and Hackett, Adeline J., to Peralta Cancer Research Institute. Method for predicting chemosensitivity of anti-cancer drugs. 4,816,395, 3-28-89, Cl. 435-29.000.
- Hancock, Warren J., to Pacific Dunlop Limited. Handling limp fabric 4,811,671, 3-14-89, Cl. 112-121.260.
- Hancox, Roger J.; and Banks, Cecil H., to Accles and Shelvoke Limited. Apparatus for simulated shooting. 4,830,617, 5-16-89, Cl. 434-21.000.
- Hand, Derek L. A.; and Hall, Christopher W. G., to Pilkington Brothers P.L.C. Window Panel. 4,817,347, 4-4-89, Cl. 52-171.000.
- Hand, Elli S.: *See—*
  - Baker, David C.; Hand, Elli S.; Haugwitz, Rudiger D.; Narayanan, Venkatachala L.; and Rampal, Jang B., 4,845,101, Cl. 514-255.000.
- Hand, Ellis S.: *See—*
  - Baker, David C.; Hand, Ellis S.; Haugwitz, Rudiger D.; and Narayanan, Venkatachala L., 4,816,468, Cl. 514-344.000.
- Hand, Evan L., Sr.: *See—*
  - Griffing, Neal R.; and Hand, Evan L., Sr., 4,852,860, Cl. 266-268.000.
- Hand, Patrick. Crowbar. 4,844,416, 7-4-89, Cl. 254-25.000.
- Hand, Steven C.: *See—*
  - Carpenter, John F.; Hand, Steven C.; Crowe, John H.; and Crowe, Lois M., 4,806,343, Cl. 424-450.000.
- Hand, Vincent C.: *See—*
  - Pancheri, Eugene J.; Sadlowski, Eugene S.; Wong, Joseph M.; Hand, Vincent C.; and Sack, Ann M., 4,810,413, Cl. 252-174.120.
- Handa, Akio; Hosoya, Eiji; Mizumoto, Kousei; Ishiwatari, Makoto; and Okuma, Takanori, to Honda Giken Kogyo Kabushiki Kaisha. Fuel supply system for off-road vehicle. 4,799,565, 1-24-89, Cl. 180-69.400.
- Handa, Akio; Kasa, Keiji; Hosoya, Eiji; and Shibukawa, Takerou, to Honda Giken Kogyo Kabushiki Kaisha. Off-road vehicle. 4,799,708, 1-24-89, Cl. 280-796.000.
- Handa, Akio: *See—*
  - Enokimoto, Akito; Masuda, Tatsuo; Handa, Akio; Hosoya, Eiji; Shibukawa, Takerou; and Watanabe, Seiji, 4,817,985, Cl. 280-690.000.
  - Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,836,325, Cl. 180-333.000.
  - Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,887,844, Cl. 280-779.000.
  - Watanabe, Seiji; Handa, Akio; Hosoya, Eiji; Ishiwatari, Makoto; Kimura, Yoshihiro; and Shibukawa, Takerou, 4,828,017, Cl. 165-41.000.
- Handa, Balraj K.: *See—*
  - Broadhurst, Michael J.; Handa, Balraj K.; Johnson, William H.; Lawton, Geoffrey; and Machin, Peter J., 4,885,283, Cl. 514-78.000.
- Handa, Koji: *See—*
  - Kawauchi, Yasunobu; and Handa, Koji, 4,810,095, Cl. 356-394.000.
- Handa, Uuichi: *See—*
  - Miyawaki, Mamoru; and Handa, Uuichi, 4,832,428, Cl. 350-96.110.
- Handa, Yuichi; Okuda, Masahiro; and Osawa, Hiroshi, to Canon Kabushiki Kaisha. Integrated optical head. 4,887,255, 12-12-89, Cl. 369-112.000.
- Handa, Yuichi: *See—*
  - Tokumitsu, Jun; Saito, Kenji; Handa, Yuichi; Tanaka, Nobuyoshi; and Nojiri, Hidetoshi, 4,815,027, Cl. 364-841.000.
- Handel, Hubert; Schmitt, Hermann; and Schoening, Josef, to Hochtemperatur-Reaktorbau GmbH. Having operating element charging and removal. 4,863,674, 9-5-89, Cl. 376-265.000.
- Handelman, Robert I., to KR Industries, Inc. Two person seat case. 4,843,662, 7-4-89, Cl. 5-481.000.
- Handelman, Robert I., to K R Industries, Inc. Folding stadium seat. 4,871,209, 10-3-89, Cl. 297-378.000.
- Handelsman, Jo; Mester, Ellen H.; and Wunderlich, Lynn, to Wisconsin Alumni Research Foundation. Biological control of damping off and root rot and inoculum preparation therefor. 4,877,738, 10-31-89, Cl. 435-252.500.
- Handelsman, Jo E.; and Halverson, Larry J., to Wisconsin Alumni Research Foundation. Method to enhance root nodulation in legumes and inoculum preparation therefor. 4,878,936, 11-7-89, Cl. 71-7.000.
- Handerman, Alan C.: *See—*
  - Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handerman, Alan C.; Cruse, Clint A.; and Malon, Raymond F., 4,880,441, Cl. 55-16.000.
- Handermann, Alan C.: *See—*
  - Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handermann, Alan C.; Cruse, Clint A.; and Malon, Raymond F., 4,871,494, Cl. 264-41.000.
- Handi-Craft Company: *See—*
  - Brown, Robert J.; Brown, Roberta; and Rhodes, Carl, 4,838,826, Cl. 446-141.000.
- "Handi-Move": *See—*
  - Raemdonck, Rene V., 4,844,054, Cl. 128-25.00R.
- Handjani, Rose M.; Ribier, Alain; Vanlerberghe, Guy; Zabotto, Arlette; and Griat, Jacqueline, to L'Oreal. Cosmetic and pharmaceutical compositions containing niosomes and a water-soluble polyamide, and a process for preparing these compositions. 4,830,857, 5-16-89, Cl. 424-450.000.
- Handke, Heinz; and Rothenburger, Hermann, to Behr-Industrieanlagen GmbH & Co. Method for automatic coating of workpieces. 4,810,538, 3-7-89, Cl. 427-424.000.
- Handke, Wayne A., to Halliburton Company. Radioactivity shielding transportation assembly. 4,846,235, 7-11-89, Cl. 141-311.00R.
- Handke, Wayne A., to Halliburton Company. Radioactivity shielding transportation assembly and method. 4,869,299, 9-26-89, Cl. 141-1.000.
- Handleman, Avrom R., to Semi-Bulk Systems, Inc. Apparatus for subjecting particles dispersed in a fluid to a shearing action. 4,860,959, 8-29-89, Cl. 241-39.000.
- Handler, Anthony. Closure mechanism for a loose-leaf holder. 4,830,528, 5-16-89, Cl. 402-34.000.
- Handler, Anthony. Closure mechanism for a loose-leaf holder. 4,832,521, 5-23-89, Cl. 402-34.000.
- Handler, Michael D., to Velcro Industries B.V. Wall hanging system for articles. 4,863,127, 9-5-89, Cl. 248-205.200.
- Handler, Michael D., to Velcro Industries B.V. Hook and loop partitioning system. 4,879,854, 11-14-89, Cl. 52-238.100.
- Handler, Michael D., to Velcro Industries, B.V. Article organizing device employing hook and loop fastening material. 4,884,713, 12-5-89, Cl. 220-23.400.
- Handler, Michael D., to Velcro Industries B.V. Shear trap hook and loop fastening system. 4,887,338, 12-19-89, Cl. 24-306.000.
- Handler, Michael D.: *See—*
  - Mason, Stanley I., Jr.; and Handler, Michael D., 4,865,597, Cl. 604-385.100.
  - Mason, Stanley I., Jr.; and Handler, Michael D., 4,886,513, Cl. 604-385.100.
- Handley, Jack R., to Johnson Matthey Public Limited Company. Ammonia oxidation catalyst pack. 4,869,891, 9-26-89, Cl. 423-403.000.
- Handley, James P.; and Hildebrand, Philip B. Sampling apparatus and method. 4,807,707, 2-28-89, Cl. 175-20.000.
- Handley, James R.: *See—*
  - Phade, Ravindra F.; and Handley, James R., 4,878,932, Cl. 62-24.000.
- Handley, Jerome D., to Electrofilm, Inc. Temperature control apparatus for a waterbed. 4,797,536, 1-10-89, Cl. 219-494.000.
- Handley, John M.; and Khalifa, Ramzi A., to Industral Acoustics Company, Inc. Ceiling panel assembly. 4,858,409, 8-22-89, Cl. 52-489.000.
- Handlin, Dale L., Jr., to Shell Oil Company. Kraton G thermoplastic elastomer gel filling composition for cables. 4,798,853, 1-17-89, Cl. 523-173.000.
- Handlin, Dale L., Jr., to Shell Oil Company. Polyketone membranes. 4,804,472, 2-14-89, Cl. 210-500.270.
- Handlin, Dale L., Jr., to Shell Oil Company. Molecularly miscible blends of polyketone with polyvinyl phenol. 4,812,522, 3-14-89, Cl. 525-153.000.
- Handlin, Dale L., Jr.: *See—*
  - Danforth, Richard L.; Handlin, Dale L., Jr.; Gergen, William P.; and Lutz, Robert G., 4,851,482, Cl. 525-455.000.
- Handotai Kenkyu Shinkokai: *See—*
  - Nishizawa, Junichi, 4,816,891, Cl. 357-38.000.
- Hands, Godfrey: *See—*
  - Bayer, Antonius L.; Bles, Bernhardus A. L.; Hands, Godfrey; and Hovden, Dag A., 4,798,299, Cl. 212-157.000.
- Handschuher, Walter, to Man Roland Druckmaschinen AG. Flexibly coupled roller chain for threading a substrate web in a rotary web printing machine. 4,819,557, 4-11-89, Cl. 101-228.000.
- Handschy, Mark A.; and Clark, Noel A., to Displaytech Incorporated. Electro-optic switching devices using ferroelectric liquid crystals. 4,813,771, 3-21-89, Cl. 350-350.00S.
- Handshey, Mark E.: *See—*
  - Hackman, Lloyd E.; Dickson, James; Dunlap, David L.; and Handshey, Mark E., 4,813,472, Cl. 164-463.000.
- Handtmann, Albert A.; Haupt, Gunter; Gebhard, Erwin; Fischer, Franz; and Schroder, Valentin, to Albert Handtmann Elteka GmbH & Co KG. Split ring seal of a centrifugal pump. 4,867,638, 9-19-89, Cl. 415-172.100.
- Handwerk, Hans-Peter: *See—*
  - Ritter, Wolfgang; Handwerk, Hans-Peter; Schlueter, Kaspar; and Hassenjuergen, Heinz, 4,797,964, Cl. 8-115.600.
  - Ritter, Wolfgang; Handwerk, Hans-Peter; and Carduck, Franz-Josef, 4,866,023, Cl. 502-174.000.
- Handwerk, Volker: *See—*
  - Knothe, Erich; Maaz, Gunther; and Handwerk, Volker, 4,798,252, Cl. 177-245.000.
  - Oldendorf, Christian; Maaz, Gunther; Nottbohm, Klaus; and Handwerk, Volker, 4,889,201, Cl. 177-25.140.
- Handy Button Machine Company: *See—*
  - Anderson, Robert E.; and Baritz, Michael L., 4,875,257, Cl. 24-90.00B.
- Handy Chemicals Ltd.: *See—*
  - Haase, Dieter; and Spiratos, Nelu, 4,877,597, Cl. 423-556.000.
- Handy & Harman Automotive Group, Inc.: *See—*
  - Kraus, James R.; and Rothacker, Eugen O., 4,819,501, Cl. 74-538.000.
- Handy, Steven W.; Everman, E. Roger; Bloom, Gordon N.; and Johnson, Bram B., to Roadway Package System, Inc. Package handling and sorting system. 4,832,204, 5-23-89, Cl. 209-3.300.
- Handzel, Mark J.: *See—*
  - Paneth, Eric; Handzel, Mark J.; Morley, Steven A.; and Avis, Graham M., 4,817,089, Cl. 370-95.000.
- Handziak, Perry T.: *See—*
  - Wittrock, Marvin E.; and Handziak, Perry T., 4,795,510, Cl. 156-64.000.
- Handzlik, Walter A. Closure for carbonated beverage container with integral pump mechanism. 4,823,968, 4-25-89, Cl. 215-228.000.
- Hane, Bengt, to Stiftelsen Institutet for Mikrovagsteknik Vid Tekniska Hogskolan i Stockholm. Method and apparatus for measuring distances. 4,804,961, 2-14-89, Cl. 342-125.000.
- Hane, Bengt, to Stiftelsen Institutet for Mikrovagsteknik Vid Tekniska Hogskolan i Stockholm. Method for measuring the distance and/or the relative velocity between two objects. 4,851,851, 7-25-89, Cl. 342-112.000.
- Hane, Kazuhiro; and Hattori, Shuzo, to Nagoya University. Device for testing formation of connection. 4,870,865, 10-3-89, Cl. 73-512.000.
- Hane, Toshiyuki, to Nippon Seiko Kabushiki Kaisha. Position adjusting device for movable anchor latch mechanism. 4,809,809, 3-7-89, Cl. 180-268.000.
- Hane, Yuichi: *See—*
  - Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, 4,831,198, Cl. 570-211.000.
- Haneda, Akio, to Toppan Printing Co., Ltd. Color filter and method of manufacturing the same. 4,846,556, 7-11-89, Cl. 350-317.000.

Haneda, Hisao: *See—*

Masuyama, Fujimitsu; Daikoku, Takashi; Haneda, Hisao; Yoshikawa, Kunihiko; Teranishi, Hiroshi; and Iseda, Atsuro, 4,799,972, Cl. 148-14.000.

Haneda Humepipe Co., Ltd.: *See—*

Yokota, Sueo, 4,864,711, Cl. 29-458.000.

Haneda, Isamu, to Sharp Kabushiki Kaisha. Mode setting device in pocket or portable computers with data terminal function. 4,796,008, 1-3-89, Cl. 340-711.000.

Haneda, Isamu, to Sharp Kabushiki Kaisha. System wake up circuit for computer. 4,849,919, 7-18-89, Cl. 364-569.000.

Haneda, Isamu, to Sharp Kabushiki Kaisha. Power control unit for a computer system. 4,857,756, 8-15-89, Cl. 307-66.000.

Haneda, Isamu: *See—*

Morino, Masuaki; Fujikawa, Yoshiyuki; Haneda, Isamu; and Myoi, Tetsuo, 4,805,136, Cl. 364-900.000.

Haneda, Makoto: *See—*

Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.

Haneda, Mitsuaki: *See—*

Okada, Ryoji; Haneda, Mitsuaki; Araya, Takeshi; and Hioki, Susumu, 4,855,102, Cl. 419-8.000.

Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, to Konishiroku Photo Industry Co., Ltd. Apparatus for forming a multi-color toner image. 4,803,518, 2-7-89, Cl. 355-4.000.

Haneda, Satoshi; Shoji, Hisashi; and Fuma, Hiroshi, to Konishiroku Photo Industry Co., Ltd. Apparatus and method for controlling color dot size in multicolor image. 4,814,797, 3-21-89, Cl. 346-157.000.

Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, to Konishiroku Photo Industry Co., Ltd. Toner control for a developer device. 4,841,332, 6-20-89, Cl. 355-251.000.

Haneda, Satoshi: *See—*

Hiratsuka, Seiichiro; Haneda, Satoshi; and Shoji, Hisashi, 4,797,335, Cl. 430-35.000.

Hiratsuka, Seiichiro; Haneda, Satoshi; and Shoji, Hisashi, 4,803,514, Cl. 355-4.000.

Hiratsuka, Seiichiro; Yoshino, Kunihisa; Haneda, Satoshi; and Shoji, Hisashi, 4,841,337, Cl. 355-157.000.

Shoji, Hisashi; Haneda, Satoshi; and Hiratsuka, Seiichiro, 4,839,692, Cl. 355-211.000.

Shoji, Hisashi; Haneda, Satoshi; and Yoshino, Kunihisa, 4,884,149, Cl. 358-300.000.

Haneda, Tadayoshi: *See—*

Kaneshiki, Toshitaka; Narukawa, Osamu; Haneda, Tadayoshi; and Endo, Toshiyuki, 4,873,383, Cl. 570-211.000.

Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, 4,831,198, Cl. 570-211.000.

Hanefeld, Wolfgang; Rothlisberger, Rudi; and Noser, Friedrich, to Wella Aktiengesellschaft. Tetrahydro-1,3,thiazine-2,4 diones, use thereof and skin treating compositions containing them. 4,883,652, 11-28-89, Cl. 424-59.000.

Hanekamp, David A.: *See—*

Schwenninger, Ronald L.; Hanekamp, David A.; and Foster, Homer R., 4,849,004, Cl. 65-134.000.

Hanel, Heinz: *See—*

Blume, Ernst; Schaper, Wolfgang; Ehrhardt, Heinz; Raether, Wolfgang; Dittmar, Walter; Hanel, Heinz; and Sachse, Burkhard, 4,870,088, Cl. 514-340.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, 4,824,846, Cl. 514-252.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, 4,859,670, Cl. 514-252.000.

Lohaus, Gerhard; Dittmar, Walter; Hanel, Heinz; Raether, Wolfgang; Reuschling, Dieter; and Grobel, Bengt-Thomas, 4,797,409, Cl. 514-345.000.

Haner, Lambert, to Commercial Shearing, Inc. Constant speed hydrostatic drive system. 4,879,501, 11-7-89, Cl. 318-645.000.

Haner, Richard V.: *See—*

Mitchell, Tom; Williams, Gary L.; and Haner, Richard V., 4,832,419, Cl. 312-7.200.

Hanes, David A., to Litens Automotive Partnership. Torsional spring tensioner with stabilizer. 4,886,484, 12-12-89, Cl. 474-135.000.

Hanes, Lewis F.: *See—*

Sherwin, Gary W.; Schmidt, Albert L.; and Hanes, Lewis F., 4,861,154, Cl. 351-205.000.

Hanes, Ronnie M., to National Distillers and Chemical Corporation. Conjugated alkadiene telomerization to organooxyalkadienes. 4,831,183, 5-16-89, Cl. 568-690.000.

Haney, Glen K.; and Kramer, Victor, to Haney, Glen Kyle. Multipurpose disposable absorbent pad. 4,813,944, 3-21-89, Cl. 604-358.000.

Haney, Glen Kyle: *See—*

Haney, Glen K.; and Kramer, Victor, 4,813,944, Cl. 604-358.000.

Haney, Jerry D.: *See—*

Runyan, Steven; Haney, Jerry D.; and Francy, James R., 4,864,930, Cl. 101-365.000.

Haney, Keith M.; and Willis, Clyde A., to W-N Apache Corporation. Top head drive assembly with axially movable quill. 4,815,546, 3-28-89, Cl. 173-57.000.

Haney, Keith M.; and Willis, Clyde A., to W-N Apache Corporation. Top head drive cooling system. 4,830,119, 5-16-89, Cl. 173-21.000.

Haney, Keith M.; and Lingafelter, Jerry K., to W-N Apache Corporation. Compact casing tongs for use on top head drive earth drilling machine. 4,867,236, 9-19-89, Cl. 166-77.500.

Haney, Keith M.: *See—*

Willis, Clyde A.; and Haney, Keith M., 4,821,814, Cl. 173-164.000.

Willis, Clyde A.; and Haney, Keith M., 4,842,250, Cl. 254-337.000.

Haney, Ronald E.: *See—*

Levine, Jules D.; Jensen, Millard J.; and Haney, Ronald E., 4,806,495, Cl. 437-2.000.

Haney, Terry; and Thomas, Craig E. Magnetically securable fender cover apparatus. 4,849,272, 7-18-89, Cl. 428-102.000.

Haney, Wendel W.: *See—*

McKann, H. Smith; and Haney, Wendel W., 4,819,383, Cl. 49-501.000.

Hanft, Karl H.: *See—*

Larson, Mark L.; Hanft, Karl H.; and O'Farrell, Desmond J., 4,859,867, Cl. 307-10.100.

Hanft, Karl-Heinz: *See—*

O'Farrell, Desmond J.; Schofield, Kenneth; Larson, Mark L.; Hanft, Karl-Heinz; Schierbeek, Kenneth L.; and Bentley, Richard D., 4,871,917, Cl. 250-341.000.

Hang-Hu, Monique: *See—*

Bitller, Jean-Pierre; Faucher, Pascal; Hang-Hu, Monique; and Pelet, Andre, 4,858,068, Cl. 361-380.000.

Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., to General Electric Company. Dielectric inks for multilayer copper circuits. 4,808,673, 2-28-89, Cl. 524-413.000.

Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., to General Electric Company. Dielectric inks for multilayer copper circuits. 4,830,988, 5-16-89, Cl. 501-21.000.

Hang, Kenneth W.; and Anderson, Wayne M., to RCA Licensing Corp. Low temperature processing transfer printing ink. 4,856,670, 8-15-89, Cl. 220-2.10A.

Hang, Kenneth W.; and Prabhu, Ashok N., to General Electric Company. Via fill ink composition for integrated circuits. 4,863,517, 9-5-89, Cl. 106-20.000.

Hang, Kenneth W.: *See—*

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,808,770, Cl. 174-68.500.

Prabhu, Ashok N.; Hang, Kenneth W.; and Boardman, Simon M., 4,810,420, Cl. 252-512.000.

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,816,615, Cl. 174-68.500.

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,874,550, Cl. 252-512.000.

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., 4,880,567, Cl. 252-512.000.

Hangarter, Otto: *See—*

Gaeumann, Alfred; Hangarter, Otto; and Stillhard, Otmar, 4,817,547, Cl. 112-457.000.

Hangauer, David G., Jr.: *See—*

Greenlee, William J.; Hangauer, David G., Jr.; and Patchett, Arthur A., 4,866,087, Cl. 514-414.000.

Hangebrauck, Calvin G., to Anchor Swan, Division of Harvard Indust. Inc. Method of manufacturing a pressurized fluid coupling. 4,829,654, 5-16-89, Cl. 29-508.000.

Hanger-Tight Company: *See—*

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Hani, Kiyoshi; Takei, Takako; Kodama, Minekazu; and Watanabe, Takahiko, to Mitsubishi Denki Kabushiki Kaisha. Inorganic paper and method for its manufacture. 4,885,058, 12-5-89, Cl. 162-145.000.

Hanibuchi, Toshiaki: *See—*

Sakashita, Kazuhior; Kishida, Satoru; and Hanibuchi, Toshiaki, 4,825,439, Cl. 371-15.000.

Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; Tomioka, Ichiro; and Arakawa, Takahiko, 4,856,002, Cl. 371-21.000.

Tomioka, Ichiro; Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; and Arakawa, Takahiko, 4,870,345, Cl. 371-22.300.

Hanich, Juergen: *See—*

Kiss, Akos; Kleinschmit, Peter; Hanich, Juergen; Halbritter, Guenter; and Horst, Jenny, 4,874,433, Cl. 106-450.000.

Hanicke, Wolfgang: *See—*

Frahm, Jens; Hanicke, Wolfgang; and Merboldt, Klausdietmar, 4,808,928, Cl. 324-309.000.

Hanifl, Paul H.; and Newton, John J., Jr., to Sage Products, Inc. Urine collector. 4,804,377, 2-14-89, Cl. 604-352.000.

Hanifl, Paul H., to Sage Products, Inc. Needle anti-resheather. 4,834,715, 5-30-89, Cl. 604-192.000.

Hanifl, Paul H.; Newton, John J., Jr.; and Mosior, Donald J., to Sage Products, Inc. Dual locked container system. 4,863,057, 9-5-89, Cl. 220-23.830.

Hanin, Israel: *See—*

Fisher, Abraham; Hanin, Israel; and Abraham, Donald J., 4,795,627, Cl. 424-1.100.

Haninger, Rudolf: *See—*

Rutschle, Eugen; Winkler, Hans-Henning; and Haninger, Rudolf, 4,863,320, Cl. 409-134.000.

Winkler, Hans-Henning; Rutschle, Eugen; and Haninger, Rudolf, 4,827,599, Cl. 29-568.000.

Winkler, Hans-Henning; Rutschle, Eugen; and Haninger, Rudolf, 4,863,319, Cl. 409-134.000.

Hanisch, Horst: *See—*

Bernhardt, Gunther; and Hanisch, Horst, 4,853,438, Cl. 525-326.500.

Bernhardt, Gunther; and Hanisch, Horst, 4,868,239, Cl. 524-506.000.

Hanisch, Michael: *See—*

Bauer, Karl; Hanisch, Michael; and Lenk, Erich, 4,814,122, Cl. 264-40.100.

Bauer, Karl; Hanisch, Michael; and Lenk, Erich, 4,868,959, Cl. 28-187.000.

Hanisko, John-Cyril P.; and Borowski, Victor J., to Cy Vi Co. Automotive anti-theft device. 4,804,856, 2-14-89, Cl. 307-10.0AT.

Haniuda, Hiromi: *See—*

Hikita, Sadayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,821,175, Cl. 364-200.000.

Hikita, Sakayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,811,207, Cl. 364-200.000.

Hanjani, Hassan M.: *See—*

Seltzer, Jeffrey H.; and Hanjani, Hassan M., 4,833,651, Cl. 365-189.070.

Hank, Dietrich; and Bruggemann, Peter, to VEB Kombinat Polygraph, "Werner Lamberz", Leipzig. Method for controlling ink density. 4,881,182, 11-14-89, Cl. 364-519.000.

Hankammer, Heinz, to Brita Wasser-Filter-Systeme GmbH. Liquid distributor cap for a filter cartridge. 4,885,089, 12-5-89, Cl. 210-420.000.

Hanke, David E.: *See—*

Perdelwitz, Lee E., Jr.; and Hanke, David E., 4,885,200, Cl. 428-136.000.

Perdelwitz, Lee E., Jr; Young, Robert H.; Iff, Ron H.; Hanke, David E.; Allison, Kathleen S.; Rahkonen, Raimo K.; and Neogi, Amar N., 4,886,697, Cl. 428-192.000.

Hanke, Ernst W., to Pfeiffer, Christian. Air classifying process and air classifier. 4,869,786, 9-26-89, Cl. 209-139.200.

Hanke, Peter; and Grimminger, Rolf D., to Optische Werke G. Rodenstock. Mount for optical elements. 4,854,671, 8-8-89, Cl. 350-252.000.

Hanke, Peter; and Postanschrift, Wie, to Optische Werke G. Rodenstock. Device for deflecting a bundle of light rays. 4,878,720, 11-7-89, Cl. 350-6.400.

Hanke, Wolfgang: *See—*

Schmitt, Manfred; and Hanke, Wolfgang, 4,838,832, Cl. 464-162.000.

Schmitt, Manfred; and Hanke, Wolfgang, 4,884,996, Cl. 464-68.000.

Hankel, Willi: *See—*

Friedrichs, Bernd; and Hankel, Willi, 4,871,202, Cl. 292-169.000.

Hanken, Laurel A.: *See—*

Bernardin, Rodney A.; Hanken, Laurel A.; Insley, Thomas I.; and Murray, Alice C., 4,884,684, Cl. 206-204.000.

Hankes, William P. Carousel material handling apparatus. 4,821,888, 4-18-89, Cl. 211-1.500.

Hankins, Larry W.: *See—*

Endrenyi, Frank, Jr.; and Hankins, Larry W., 4,877,669, Cl. 428-88.000.

Hankinson, Michael F.; Leduc, Robert J.; Richard, Joseph W.; and Malandra, Louis J., to Westinghouse Electric Corp. Reactor vessel head permanent shield. 4,828,789, 5-9-89, Cl. 376-287.000.

Hankison, Paul M., to ACT Laboratories, Inc. Continuous static mixing apparatus. 4,886,369, 12-12-89, Cl. 366-165.000.

Hanko, Jimmy J.; and Brom, Lawrence V., to Gulf States Paper Corporation. Shadow box carton with strut improvement. 4,836,364, 6-6-89, Cl. 206-45.140.

Hanko, Jimmy J.: *See—*

Church, Thomas W.; and Hanko, Jimmy J., 4,813,539, Cl. 206-396.000.

Northrup, David; and Hanko, Jimmy J., 4,860,886, Cl. 206-45.290.

Hanks, Charles W. Electron-beam heated evaporation source. 4,835,789, 5-30-89, Cl. 373-14.000.

Hanks, William M.: *See—*

Brown, Clifford C.; and Hanks, William M., 4,845,593, Cl. 361-192.000.

Hankvist, Bo A.; Kling, Peter N.; and Spongh, Rolf T., to Atlas Copco Aktiebolag. Device for insulating the spray liquid source from the high tension voltage of an electrostatic spray system when using an electrically conductive spray liquid. 4,881,688, 11-21-89, Cl. 239-691.000.

Hanley, Dennis S. Method and apparatus for extending the bed of a truck. 4,856,840, 8-15-89, Cl. 296-26.000.

Hanley, James L. Balancing beam toy. 4,872,673, 10-10-89, Cl. 273-1.0GF.

Hanley, James O., to Tiscor Corporation. Method and apparatus for dispensing items. 4,809,879, 3-7-89, Cl. 221-125.000.

Hanley, Mary Anne. Concept integration board game. 4,846,479, 7-11-89, Cl. 273-236.000.

Hanley, Matthew W.: *See—*

Colvin, Arthur E.; Hanley, Matthew W.; and Hetrick, Richard C., 4,869,398, Cl. 222-83.000.

Nelson, Edmund A.; Colvin, Arthur E.; Hanley, Matthew W.; and Scott, Stephen C., 4,816,269, Cl. 426-232.000.

Hanley, Peter R., to Varian Associates, Inc. Method for photoresist pretreatment prior to charged particle beam processing. 4,851,691, 7-25-89, Cl. 250-492.200.

Hanlon, Michael M., to Honeywell Inc. Capacitance stabilization. 4,831,431, 5-16-89, Cl. 357-51.000.

Hanlon, Ronald D.; and Dickey, Ronald K., to Joy Technologies Inc. Seat suspension for underground mining machines. 4,817,908, 4-4-89, Cl. 248-564.000.

Hanlon, Ronnie. Shroud to cover dish in microwave oven. 4,801,773, 1-31-89, Cl. 219-10.55E.

Hanlon, William C., to Firestone Tire & Rubber Company, The. Vehicle alignment system. 4,800,651, 1-31-89, Cl. 33-203.180.

Hanly, James M., Sr. Work implement. 4,843,667, 7-4-89, Cl. 7-114.000.

Hann, J. David; Holdahl, Theodore S.; and Lum, James C. P., to Telenet Communications Corporation. Method and apparatus for enhancing security of communications in a packet-switched data communications system. 4,799,153, 1-17-89, Cl. 364-200.000.

Hann, Paul D.; and VanPool, Joe, to Phillips Petroleum Co. Catalytic alkylation apparatus. 4,863,697, 9-5-89, Cl. 422-110.000.

Hann, Richard A.: *See—*

Allen, Simon; Gordon, Paul F.; and Hann, Richard A., 4,804,747, Cl. 534-573.000.

Gregory, Peter; and Hann, Richard A., 4,829,048, Cl. 503-227.000.

Hanna, Daniel C. Front, top and rear applicator for a vehicle wash. 4,798,217, 1-17-89, Cl. 134-57.00R.

Hanna, Daniel C. Pressure wheel washer. 4,830,033, 5-16-89, Cl. 134-45.000.

Hanna, Emmanuel A.: *See—*

Greenberg, Robert; and Hanna, Emmanuel A., 4,830,232, Cl. 222-341.000.

Hanna, George, to H & Y Enterprises. Lottery type machine. 4,846,476, 7-11-89, Cl. 273-144.00A.

Hanna, George, to H & Y Enterprises. Lottery apparatus. 4,887,816, 12-19-89, Cl. 273-144.00A.

Hanna, James L., to Mectron Engineering Company, Inc. Right and left-hand screw thread optical discriminator. 4,831,251, 5-16-89, Cl. 250-223.00R.

Hanna, Janice G.; Huizinga, Donald D.; Ruion, James M.; and Weise, Wayne A., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Repertory telephone dialer with remote billing capability. 4,870,679, 9-26-89, Cl. 379-114.000.

Hanna, Junichi: *See—*

Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,166, Cl. 118-719.000.

Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,809, Cl. 437-4.000.

Hirooka, Masaaki; Ueki, Masao; Hanna, Junichi; and Shimizu, Isamu, 4,812,331, Cl. 427-255.100.

Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,855,210, Cl. 430-133.000.

Hirooka, Masaaki; Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, 4,869,931, Cl. 427-255.200.

Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,812,325, Cl. 427-69.000.

Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,818,560, Cl. 427-38.000.

Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,818,564, Cl. 427-69.000.

Ishihara, Shunichi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,824,697, Cl. 427-255.200.

Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,837,048, Cl. 427-69.000.

Ishihara, Shunichi; Ootoshi, Hirokazu; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,885,258, Cl. 437-40.000.

Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, 4,800,173, Cl. 37-081.000.

Kanai, Masahiro; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,868,014, Cl. 427-248.100.

Saitoh, Keisha; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,801,474, Cl. 427-248.100.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,804,558, Cl. 427-66.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,812,328, Cl. 427-69.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,822,636, Cl. 427-69.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,834,023, Cl. 118-730.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,844,950, Cl. 427-250.000.

Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,865,883, Cl. 427-255.300.

Takeuchi, Eiji; Hanna, Junichi; Shimizu, Isamu; Hirooka, Masaaki; Sakai, Akira; and Ueki, Masao, 4,842,897, Cl. 427-255.200.

Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,803,947, Cl. 418-719.000.

Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,861,623, Cl. 427-69.000.

Hanna, Khalil, to Laboratoire Hydron. Surgical apparatus for radial keratotomy. 4,815,463, 3-28-89, Cl. 128-305.000.

Hanna, Khalil. Micro-surgical instrument for use as gripper of scissors. 4,873,979, 10-17-89, Cl. 128-354.000.

Hanna, Marie R.: *See—*

Katz, Ira; Withycombe, Donald A., deceased; and Hanna, Marie R., 4,847,292, Cl. 514-526.000.

Sprecker, Mark A.; Androulakis, Margo; and Hanna, Marie R., 4,822,515, Cl. 252-174.110.

Hanna, Michael, Jr.; Haspel, Martin V.; and Hoover, Herbert C., Jr., to Akzo N.V. Tumor specific monoclonal antibodies. 4,828,991, 5-9-89, Cl. 435-68.000.

Hanna, Robert G.: *See—*

Gray, Billy H.; Gray, Keith D.; and Hanna, Robert G., 4,807,678, Cl. 144-371.000.

Hanna, Stephen D.: *See—*

Finlay, David E.; Hanna, Stephen D.; Stevenson, David C.; and Varga, John T., 4,841,453, Cl. 364-519.000.

Hanna, Wayne. Actuator device for a trigger of an automatic nozzle of a gasoline pump. 4,846,447, 7-11-89, Cl. 267-182.000.

- Hannaford, Billy H.: *See—*
  - Luther, Ronald B.; and Hannaford, Billy H., 4,874,373, Cl. 604-164.000.
- Hannaford, Blake, to California Institute of Technology. Method and apparatus for multiplexing switch signals. 4,884,070, 11-28-89, Cl. 340-825.780.
- Hannah, Bruce R.; Eldon, James B.; Armstrong, Eric J.; Smith, Harold A.; and Campbell, Philip J., to Knoll International, Inc. Adjustable keyboard support. 4,826,123, 5-2-89, Cl. 248-248.000.
- Hannah, Dan L. Fishing aid. 4,803,798, 2-14-89, Cl. 43-43.130.
- Hannah, Harry: *See—*
  - Schulman, Marvin; Hannah, Harry; Stevenson, Richard B.; and Case, Gerald P., 4,820,538, Cl. 426-533.000.
- Hannah, John; and Tolman, Richard L., to Merck & Co., Inc. Phosphate derivatives of substituted butyl guanines, antiviral compositions containing them, and methods of treating viral infections with them. 4,845,084, 7-4-89, Cl. 514-81.000.
- Hannah, John: *See—*
  - Barash, Louis; Christensen, Burton G.; Hannah, John; Leanza, William J.; and Shih, David H., 4,839,352, Cl. 514-210.000.
  - Colonno, Richard; Garsky, Victor M.; Hannah, John; Stein, Robert B.; and Tolman, Richard L., 4,845,195, Cl. 530-330.000.
  - Freidinger, Roger; Hannah, John; Garsky, Victor M.; Stein, Robert B.; and Tolman, Richard L., 4,814,432, Cl. 530-329.000.
  - MacCoss, Malcolm; Tolman, Richard L.; Wagner, Arthur F.; and Hannah, John, 4,801,710, Cl. 544-244.000.
- Hannah, Steven L.; Williams, Maureen R.; and Greenlee, Thomas W., to B.F. Goodrich Company, The. Catalyzed fast cure polyurethane sealant composition. 4,798,879, 1-17-89, Cl. 528-45.000.
- Hannah, William J., to McDonald, Gerald; and Campbell, Gloria H. Method of manufacturing a fabricated open web steel joist. 4,836,436, 6-6-89, Cl. 228-182.000.
- Hannai, Seiichi, to NEC Corporation. Decoder unit with clamp transistor preventing excessive voltages. 4,833,348, 5-23-89, Cl. 307-449.000.
- Hannai, Seiichi, to NEC Corporation. Semiconductor memory device with improved bit line arrangement. 4,872,142, 10-3-89, Cl. 365-189.070.
- Hannam, Michael E. Remotely controlled fishing apparatus. 4,856,222, 8-15-89, Cl. 43-26.100.
- Hannan, Forrest: *See—*
  - Dixon, Dale A.; and Hannan, Forrest, 4,801,107, Cl. 242-198.000.
- Hannan, Robert L.: *See—*
  - Folkman, Moses J.; Hannan, Robert L.; Thompson, Robert W.; and Langer, Robert S., 4,795,703, Cl. 435-13.000.
- Hannappel, Joachim; and Pfeifer, Thomas, to VDO Adolf Schindling AG. System for setting an analog resistor to a selectable, digitally predeterminable value. 4,833,472, 5-23-89, Cl. 341-142.000.
- Hannappel, Joachim; and Pfeifer, Thomas, to VDO Adolf Schindling AG. Circuit for a sensor. 4,836,027, 6-6-89, Cl. 73-708.000.
- Hannart, Jean A. A.; Trouet, Andre B. L.; and Rao, Kandukuri S. B., to Omnichem. New conjugates of vinblastine and its derivatives, process for preparing them and pharmaceutical compositions containing them. 4,828,831, 5-9-89, Cl. 424-85.910.
- Hannart, Jean A. A.: *See—*
  - Trouet, Andre B. L.; Bushana, Kandukuri S.; Hannart, Jean A. A.; and Dejonghe, Jean-Paul, 4,870,162, Cl. 530-363.000.
- Hannebauer, Robert S.: *See—*
  - Dower, Roger G.; Penner, Dale C.; and Hannebauer, Robert S., 4,845,496, Cl. 341-13.000.
- Hannebaum, Heinz: *See—*
  - Degner, Dieter; Gramlich, Walter; and Hannebaum, Heinz, 4,814,510, Cl. 568-425.000.
- Hannebaum, Manfred: *See—*
  - Schulze, Joachim; Adler, Klaus; Selig, Manfred; Ball, Peter; Marquardt, Klaus; Killermann, Otmar; and Hannebaum, Manfred, 4,859,751, Cl. 526-200.000.
- Hannecart, Baudoin: *See—*
  - Cordemans de Meulenaer, Eric; and Hannecart, Baudoin, 4,882,525, Cl. 310-316.000.
- Hannecart, Baudouin O.: *See—*
  - Cordemans de Meulenaer, Eric D.; and Hannecart, Baudouin O., 4,804,131, Cl. 228-110.000.
- Hannel, Clifford L., to Lockheed Corporation. Anti-backlash gear assembly. 4,805,475, 2-21-89, Cl. 74-440.000.
- Hannel, Clifford L., to Lockheed Corporation. Clamp. 4,824,087, 4-25-89, Cl. 269-234.000.
- Hannemann, Nils. Sportsman's belt having a plurality of pockets. 4,819,846, 4-11-89, Cl. 224-240.000.
- Hannemann, Peter; Kemker, Uwe; Birr, Hans-Joachim; and Guhne, Wieland, to Vorwerk & Co. Interholding GmbH. Hang-up and protective arrangement for an electrical appliance. 4,846,426, 7-11-89, Cl. 248-360.000.
- Hannemann, Robert J.: *See—*
  - Saaski, Elric; Hannemann, Robert J.; and Fox, Leslie R., 4,833,567, Cl. 361-385.000.
- Hannen, Reiner; and Vermeulen, Norbert, to MSK-Verpackungs-Systeme GmbH. Apparatus for shrink-wrapping palletted goods. 4,866,916, 9-19-89, Cl. 53-557.000.
- Hannen, Reiner; and Vermeulen, Norbert, to MSK-Verpackungs-Systeme GmbH. Apparatus for producing hot gas for the shrinkage of synthetic resin foils. 4,877,012, 10-31-89, Cl. 126-79.00R.
- Hannerz, Kare, to AB Asea-Atom. Reactor. 4,859,406, 8-22-89, Cl. 376-406.000.
- Hanneton, Jean-Jacques; and Sivori, Michel, to Regie Nationale des Usines Renault. Vibrating table for forming sand molds. 4,796,685, 1-10-89, Cl. 164-203.000.
- Hanni, Manfred: *See—*
  - Brusch, Josef; Hanni, Manfred; and Hechfellner, Kurt, 4,843,612, Cl. 375-1.000.
- Hannibal, Wilhelm: *See—*
  - Bierling, Rudolf; Ruf, Max; and Hannibal, Wilhelm, 4,870,990, Cl. 137-595.000.
- Hannifin, Matt B. Continuous sound making boomerang. 4,856,793, 8-15-89, Cl. 273-426.000.
- Hannigan, Benjamin R.; and Fernandes, Jose R., to Rutgers, The State University. Plastics separation and recycling methods. 4,830,188, 5-16-89, Cl. 209-3.000.
- Hannigan, John D. Window opening facilitator. 4,830,338, 5-16-89, Cl. 254-130.000.
- Hanning, John R.: *See—*
  - Johnson, J. Les; and Hanning, John R., 4,825,907, Cl. 137-625.250.
- Hanninger, Josef: *See—*
  - Nustede, Fritz; Hanninger, Josef; and Schallinger, Josef, 4,795,876, Cl. 219-86.100.
- Hannink, Richard H. J.: *See—*
  - Hughan, Robert R.; Hannink, Richard H. J.; Swain, Michael V.; Stringer, Robert K.; Murray, Michael J.; and Garvie, Ronald C., 4,885,266, Cl. 501-104.000.
- Hannon, Brian T.: *See—*
  - Boughton, John H.; Butz, Ralph A.; Cheng, Herman C. T.; Dennis, Jonathan R.; Hannon, Brian T.; and Weigel, Janet H., 4,879,043, Cl. 210-651.000.
- Hannon, Charles N., to Stepper, Inc. Newspaper bagging method and apparatus. 4,805,381, 2-21-89, Cl. 53-459.000.
- Hannon, David M.; and Horne, Donald E., to International Business Machines Corporation. Capacitive sensor for head positioning in magnetic recording disk files. 4,823,205, 4-18-89, Cl. 369-14.000.
- Hannon, Douglas; and McClellan, Bingham A., to McClellan Industries, Inc. Magnetic fishing bait and method. 4,878,310, 11-7-89, Cl. 43-42.040.
- Hannum, Joseph B., to Budd Company, The. Water treatment system for rectangular clarifiers. 4,810,383, 3-7-89, Cl. 210-525.000.
- Hannun, Yusuf: *See—*
  - Bell, Robert M.; Loomis, Carson; and Hannun, Yusuf, 4,816,450, Cl. 514-25.000.
- Hano, Sunao; Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke and Yamanaka, Hiroshi, to Nissan Motor Company, Limited; and Kayaba Kogyo Kabushiki Kaisha. Actively controlled automotive suspension system with line pressure control under low fluid source pressure. 4,865,348, 9-12-89, Cl. 280-707.000.
- Hano, Sunao: *See—*
  - Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, 4,872,701, Cl. 280-703.000.
  - Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, 4,888,696, Cl. 364-424.050.
  - Fukunaga, Yukio; Tsuda, Yoshiki; Fukushima, Naoto; Akatsu, Yohsuke; Hano, Sunao; and Sato, Masaharu, 4,848,790, Cl. 280-707.000.
  - Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; Hano, Sunao; and Satoh, Masaharu, 4,865,347, Cl. 280-707.000.
- Hanopole, Irwin: *See—*
  - Ambler, Kevin; and Hanopole, Irwin, 4,838,327, Cl. 141-114.000.
- Hanover Battelle Institut E.V.: *See—*
  - Kunz, Willfried; Gramatte, Winfried; Schmitt, Rolf-Erhard; and Pohl, Udo, 4,842,773, Cl. 252-628.000.
- Hanover Research Corporation: *See—*
  - Casparian, Robert E., 4,857,144, Cl. 159-13.200.
- Hanrahan, Michael J.: *See—*
  - Snow, Robert A.; McGuckin, Hugh G.; Ponticello, Ignazio S.; Daly, Robert C.; Pace, Laurel J.; Fischer, Sandra K.; and Hanrahan, Michael J., 4,808,510, Cl. 430-287.000.
  - Snow, Robert A.; McGuckin, Hugh G.; Ponticello, Ignazio S.; Daly, Robert C.; Pace, Laurel J.; Fischer, Sandra K.; and Hanrahan, Michael J., 4,876,167, Cl. 430-7.000.
- Hanrahan, Robert J.; and Gupta, Avinash K., to Solar Reactor Technologies, Inc. Closed loop regeneration system for generating mechanical energy and the method therefor. 4,799,357, 1-24-89, Cl. 60-673.000.
- Hanrahan, Robert J.: *See—*
  - Parker, Robin Z.; Hanrahan, Robert J.; and Cox, John D., 4,848,087, Cl. 60-641.150.
- Hanrahan, Steven R.: *See—*
  - Parker, Lorne A.; Hanrahan, Steven R.; and Kleiner, Julius, 4,851,931, Cl. 360-15.000.
- Hanreich, Reinhard G. Process for the preparation of 2-(2-chloroethoxy)-benzenesulfonamide. 4,806,528, 2-21-89, Cl. 564-89.000.
- Hans E. Winkelmann GmbH: *See—*
  - Pitsch, Franz F.; Winkelmann, Hans E.; Frohnheiser, Helmut W.; and Herbert, Guenther, 4,819,541, Cl. 91-6.000.
- Hans-Georg Augustin: *See—*
  - Augustin, Karl-Heinz, 4,860.566, Cl. 72-110.000.
- Hans Grohe GmbH & Co. KG: *See—*
  - Finkbeiner, Werner, 4,838,486, Cl. 239-117.000.
- Hans Heynau GmbH: *See—*
  - Dorner, Karlheinz, 4,833,388, Cl. 318-800.000.
- Hans Hollmuller Maschinenbau GmbH & Co: *See—*
  - Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, 4,852,595, Cl. 134-144.000.
  - Baier, Dietfried; Grasa, Ivan; and Haas, Rainer, 4,852,804, Cl. 239-121.000.
- Hans Hollmuller Maschinenbau GmbH & Co.: *See—*
  - Haas, Rainer D., 4,806,192, Cl. 156-345.000.

- Hans Klober KG: *See—*
  - Klober, Johannes, 4,803,816, Cl. 52-219.000.
- Hans, Lynn M.: *See—*
  - Allen, Richard B.; Gibbs, William E.; and Hans, Lynn M., 4,874,796, Cl. 521-59.000.
- Hans, Rudiger: *See—*
  - Winkler, Otmar; Brandenstein, Manfred; and Hans, Rudiger, 4,822,008, Cl. 267-74.000.
- Hans Stahlecker: *See—*
  - Stahlecker, Fritz, 4,866,924, Cl. 57-243.000.
- Hans, Waldemar: *See—*
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,795,097, Cl. 239-585.000.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf. 4,807,846, Cl. 251-129.150.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,813,599, Cl. 239-456.000.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,826,082, Cl. 239-113.000.
- Hansaloy Corporation: *See—*
  - Wright, Stephen C., 4,829,721, Cl. 51-246.000.
- Hansch, Egon, to Ferag AG. Apparatus for collating folded printed signatures. 4,811,938, 3-14-89, Cl. 270-54.000.
- Hanschke, Christoph: *See—*
  - Frank, Karlheinz; Hanschke, Christoph; and Stutzer, Franz A., 4,817,309, Cl. 38-15.000.
- Hanse Chemie GmbH: *See—*
  - Block, Hermann, 4,853,434, Cl. 525-100.000.
- Hansel, Harold R.; and Drerup, Vincent M., to United States of America, Air Force. Borescope plug. 4,815,276, 3-28-89, Cl. 60-39.330.
- Hansel, Harold R.; and Drerup, Vincent M., to United States of America, Air Force. Nozzle flange attachment and sealing arrangement. 4,815,933, 3-28-89, Cl. 415-189.000.
- Hansel, Mathias, to Raymond, A. Apparatus for removing sprue slugs from an injection molding machine. 4,822,233, 4-18-89, Cl. 414-225.000.
- Hanselka, Reinhard, to Georg Fischer Aktiengesellschaft. Method for fusion joining plastic pipe. 4,876,041, 10-24-89, Cl. 264-25.000.
- Hansell, Jerritt: *See—*
  - Sodal, Ingvar E.; Bowman, Ronald R.; Hansell, Jerritt; Clark, Justin S.; and Criddle, Michael J., 4,847,493, Cl. 250-252.100.
- Hanselmann, Daniel: *See—*
  - Demuth, Robert; Hefti, Walter; Keller, Urs; and Hanselmann, Daniel, 4,848,686, Cl. 242-18.0DD.
  - Demuth, Robert; and Hanselmann, Daniel, 4,848,689, Cl. 242-18.0DD.
- Hanselmann, Urs: *See—*
  - Braun, Walter; Hagmann, Walter; Hanselmann, Urs; Maibach, Bruno; and Schranz, Peter, 4,800,363, Cl. 340-310.00A.
- Hansen, Albert F., to Hansen Development Limited. Water spray fitting. 4,840,313, 6-20-89, Cl. 239-456.000.
- Hansen, Arthur J. Thumb controlled fishing line, casting device. 4,875,304, 10-24-89, Cl. 43-25.000.
- Hansen-BTR GmbH: *See—*
  - Nev, Werner, 4,826,593, Cl. 210-229.000.
- Hansen, Calvin H.: *See—*
  - Slunecka, Leslie J.; Hansen, Calvin H.; and Stumpe, Leroy B., 4,833,797, Cl. 37-86.000.
- Hansen, Carl O.: *See—*
  - Musco, Vincent A.; Kelley, Donald E.; and Hansen, Carl O., 4,857,101, Cl. 71-94.000.
- Hansen, Charles: *See—*
  - Cooper, Roy; and Hansen, Charles, 4,841,189, Cl. 310-257.000.
  - Cooper, Roy; and Hansen, Charles, 4,884,333, Cl. 29-596.000.
- Hansen, Charles C., III; Yencho, John A.; Barbier, William J.; Knapp, Curtis H.; and Kuhn, Orval J., Jr., to Hansen Technologies Corporation. Liquid level control system for refrigeration apparatus. 4,809,129, 2-28-89, Cl. 361-284.000.
- Hansen, Charles M.: *See—*
  - Madsen, Claus H.; and Hansen, Charles M., 4,836,950, Cl. 252-153.000.
- Hansen, Craig C.; and Riordan, Thomas J., to MIPS Computer Systems, Inc. RISC computer with unaligned reference handling and method for the same. 4,814,976, 3-21-89, Cl. 364-200.000.
- Hansen, Craig C., to MIPS Computer Systems, Inc. Method and apparatus for precise floating point exceptions. 4,879,676, 11-7-89, Cl. 364-748.000.
- Hansen, Craig N.; and Cross, Paul C., to Hansen Engine Corporation. Rotary valve assembly. 4,813,392, 3-21-89, Cl. 123-190.00E.
- Hansen, David E., to Eastman Kodak Company. Mode selector member and finger recess in a camera. 4,801,960, 1-31-89, Cl. 354-288.000.
- Hansen, David E., to Eastman Kodak Company. Apparatus for loading a film cassette into a camera. 4,841,319, 6-20-89, Cl. 354-275.000.
- Hansen, David W.; and Walker, James R. Heat exchanger-filter apparatus for hydrostatic system. 4,813,477, 3-21-89, Cl. 165-32.000.
- Hansen Development Limited: *See—*
  - Hansen, Albert F., 4,840,313, Cl. 239-456.000.
- Hansen, Diethard; and Konigstein, Dietrich, to BBC Brown Boveri AG. Device for the EMI testing of electronic systems. 4,837,581, 6-6-89, Cl. 343-703.000.
- Hansen, Diethard: *See—*
  - Garbe, Heyno; Hansen, Diethard; and Konigstein, Dietrich, 4,845,378, Cl. 307-106.000.
- Hansen, Donald W., Jr.; Pitzele, Barnett S.; Clare, Michael; and Hamilton, Robert W., to G. D. Searle & Co. Phenyl substituted dipeptide amides. 4,822,775, 4-18-89, Cl. 514-19.000.
- Hansen, Donald W., Jr.; Hamilton, Robert W.; Pitzele, Barnett S.; and Clare, Michael, to G. D. Searle & Co. Fluorenyl substituted tyrosyl dipeptide amides which are useful in treating pain. 4,847,241, 7-11-89, Cl. 514-19.000.
- Hansen, Donald W., Jr.; Pitzele, Barnett S.; Clare, Michael; and Hamilton, Robert W., to G. D. Searle and Company. Substituted dipeptide amides #3. 4,880,829, 11-14-89, Cl. 514-445.000.
- Hansen, Donald W., Jr.: *See—*
  - Pitzele, Barnett S.; Hansen, Donald W., Jr.; Hamilton, Robert W.; Pilipauskas, Daniel R.; and Clare, Michael, 4,797,470, Cl. 530-331.000.
- Hansen, Eckhard, to Ahrend-Cirkel B.V. Point-synchronized adjustment device for office chairs. 4,804,227, 2-14-89, Cl. 297-301.000.
- Hansen, Edward E. Modular independent air cushion suspension system. 4,813,508, 3-21-89, Cl. 180-118.000.
- Hansen Engine Corporation: *See—*
  - Hansen, Craig N.; and Cross, Paul C., 4,813,392, Cl. 123-190.00E.
- Hansen, Eric R.: *See—*
  - Benoit, Michel R.; Hansen, Eric R.; and Reese, Theodore J., 4,850,290, Cl. 110-346.000.
- Hansen, Erik T., to Leo Pharmaceutical Products Ltd. Improved method for preparing penicillanic acid derivatives. 4,816,580, 3-28-89, Cl. 540-310.000.
- Hansen, Erik T.; Kran-Nielsen, Mogens P.; and Von Daehne, Welf, to Leo Pharmaceutical Products Ltd. Method for preparing 6-β-halopenicillanic acids. 4,847,266, 7-11-89, Cl. 514-310.000.
- Hansen, Erling: *See—*
  - Vlamings, Frank P.; Kawazoye, Yutaka; Hansen, Erling; and Wessels, David W., 4,865,895, Cl. 428-98.000.
- Hansen, Flemming: *See—*
  - Gjelstrup, Lars; and Hansen, Flemming, 4,822,180, Cl. 383-57.000.
- Hansen, Gregory J.; and Skau, Neil I., III, to American Telephone and Telegraph Company, AT&T Information Systems Inc. Telephone call screening apparatus. 4,827,501, 5-2-89, Cl. 379-199.000.
- Hansen, Guenter: *See—*
  - Bergmann, Udo; Hahn, Erwin, and Hansen, Guenter, 4,820,809, Cl. 534-765.000.
  - Eilingsfeld, Heinz; Etzbach, Karl-Heinz; Hansen, Guenter; and Reichelt, Helmut, 4,843,153, Cl. 534-752.000.
  - Etzbach, Karl-Heinz; Hansen, Guenter; Schefczik, Ernst; and Reichelt, Helmut, 4,837,269, Cl. 534-761.000.
- Hansen, Hardy V. Method for producing covering plate members for door or panel elements. 4,812,188, 3-14-89, Cl. 156-220.000.
- Hansen, Harold V.; and Toppert, Larry A. Waste disposal/separation system. 4,867,877, 9-19-89, Cl. 210-257.100.
- Hansen, Henry L.: *See—*
  - Morrey, Walter T.; and Hansen, Henry L., 4,870,682, Cl. 380-46.000.
- Hansen, Holger C.: *See—*
  - Watjen, Frank; and Hansen, Holger C., 4,866,065, Cl. 514-267.000.
  - Watjen, Frank; and Hansen, Holger C., 4,873,244, Cl. 514-250.000.
- Hansen, James B., Sr. Buryable warning tape. 4,879,162, 11-7-89, Cl. 428-196.000.
- Hansen, James C., to Telectronics N.V. Rate-responsive, distributed-rate pacemaker. 4,856,522, 8-15-89, Cl. 128-419.0PG.
- Hansen, James E.: *See—*
  - Baran, Michael S.; Beihoff, Bruce C.; Damiano, Michael A.; Hansen, James E.; Hastings, Jerome K.; Slomczewski, Allen J.; and Tennies, Charles J., 4,857,837, Cl. 324-117.00R.
  - Hastings, Jerome K.; Beihoff, Bruce C.; Baran, Michael S.; Juds, Mark A.; and Hansen, James E., 4,841,235, Cl. 324-117.00R.
  - Schmerda, Richard F.; and Hansen, James E., 4,851,743, Cl. 388-811.000.
  - Schmerda, Richard F.; and Hansen, James E., 4,873,453, Cl. 307-130.000.
- Hansen, James G.: *See—*
  - Blanchard, Russell O.; and Hansen, James G., 4,871,097, Cl. 223-85.000.
- Hansen, James R.; and Rasmussen, Jerome J. M., to Viskase Corporation. Process of making a flat stock fibrous cellulosic food casing. 4,814,034, 3-21-89, Cl. 156-203.000.
- Hansen, James R.; Nicholson, Myron D.; and Sherry, Jeffrey B., to Viskase Corporation. Liquid smoke impregnated peelable fibrous food casing article. 4,889,751, 12-26-89, Cl. 428-34.800.
- Hansen, James R.: *See—*
  - Gaynor, Dennis A.; and Hansen, James R., 4,874,622, Cl. 426-135.000.
- Hansen, Jens, to H.U.C. Elektronik Hansen & Co. Method and circuit for converting frequency-modulated signals through at least one intermediate frequency into low frequency signals. 4,885,801, 12-5-89, Cl. 455-264.000.
- Hansen, Jerry W.: *See—*
  - Ziegler, Duane H.; Kerckhove, Dennis A.; Hansen, Jerry W.; and Denning, Barry K., 4,838,010, Cl. 56-10.200.
- Hansen, John B.: *See—*
  - Biere, Helmut; Huth, Andreas; Rahtz, Dieter; Schmiechen, Ralph; Seidelmann, Dieter; Stephens, David N.; Engelstoft, Mogens; and Hansen, John B., 4,877,792, Cl. 514-292.000.

Hansen, John H., to Burlington Industries, Inc. Flame-resistant nylon/-cotton fabric and process for production thereof. 4,812,144, 3-14-89, Cl. 8-584.000.

Hansen, John H.: *See—*

Craycroft, Robert S.; Lorenzo, Tina V.; Hansen, John H.; and Russell, Earnest J., 4,816,035, Cl. 8-938.000.

Hansen Kaad, Flemming; and Pettersson, Ola, to Cips KB. Method for manufacturing a tubular compact. 4,880,598, 11-14-89, Cl. 419-1.000.

Hansen, Kenneth N.: *See—*

Dorner, Wolfgang C.; and Hansen, Kenneth N., 4,820,103, Cl. 414-790.000.

Hansen, Kent G., to Ram Air Manufacturing. Method of optimizing armature balance through lamination orientation. 4,833,353, 5-23-89, Cl. 310-51.000.

Hansen, Kent G., to Magna International (Canada) Inc. Method of optimizing armature balance through lamination orientation. 4,888,866, 12-26-89, Cl. 29-598.000.

Hansen, Kent W.; d'Aragona, Frank S.; and Liaw, Hang M., to Motorola Inc. Monocrystalline semiconductor buried layers for electrical contacts to semiconductor devices. 4,849,371, 7-18-89, Cl. 437-82.000.

Hansen, Lamont: *See—*

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Hansen, Lavelle H.: *See—*

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Hansen, Lee E.; and Ulrich, William R., to United Technologies Corporation. Radially constrained variable vane shroud. 4,834,613, 5-30-89, Cl. 415-160.000.

Hansen, Lee E.: *See—*

Schoendorfer, Donald W.; and Hansen, Lee E., 4,806,247, Cl. 210-321.180.

Hansen, Leland G.: *See—*

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Hansen, Loren F., to Outboard Marine Corporation. Lubricating arrangement for slide assembly. 4,830,145, 5-16-89, Cl. 184-64.000.

Hansen, Loren F.; Huber, Donald J., deceased (by Huber, Lisa A., beneficiary); and Oliver, Joseph J., to Outboard Marine Corporation. Machine for collecting ground particles and the like. 4,878,802, 11-7-89, Cl. 414-523.000.

Hansen, Loren F.; and Cozine, Mark L., to Outboard Marine Corporation. Turf aerating tine. 4,881,602, 11-21-89, Cl. 172-22.000.

Hansen, Loren F.: *See—*

Cozine, Mark L.; Ferguson, David G.; Hansen, Loren F.; and Lamb, Mark E., 4,867,244, Cl. 172-22.000.

Hansen, Lorin K.; and Saklikar, Arvind R., to Xerox Corporation. Method for preventing flaring in electrographic recording and recording medium therefor. 4,801,919, 1-31-89, Cl. 346-153.100.

Hansen, Mark C.; and Kosiak, Walter K., to Delco Electronics Corporation. Ignition system dwell control. 4,836,175, 6-6-89, Cl. 123-609.000.

Hansen, Mark C.; and Manlove, Greg J., to Delco Electronics Corporation. Spark timing control. 4,841,932, 6-27-89, Cl. 123-416.000.

Hansen, Mogens T.: *See—*

Norris, Kjeld; Thim, Lars; Norris, Fanny; Hansen, Mogens T.; and Moody, Alister J., 4,826,763, Cl. 435-68.000.

Hansen, N. Peter, to Brunswick Corporation. Breakage-resistant capacitor leads. 4,870,537, 9-26-89, Cl. 361-306.000.

Hansen, Norman C., to Merit Industries, Inc. Electronically scored dart game having front opening service door. 4,881,744, 11-21-89, Cl. 273-376.000.

Hansen, Ove, to Transpower A/S. Heat-distributing winding. 4,841,270, 6-20-89, Cl. 336-61.000.

Hansen, Ove, to Niro Atomizer Inc. Method for inhibiting corrosion in integrated spray drying-calcining process. 4,883,004, 11-28-89, Cl. 110-343.000.

Hansen, Ove: *See—*

Veltman, Preston L.; and Hansen, Ove, 4,882,994, Cl. 102-290.000.

Hansen, Patrick G. Exhaust arrangement for an internal combustion engine. 4,866,931, 9-19-89, Cl. 60-274.000.

Hansen, Paul D.; DeCerce, Garrett B.; and Schmidt, William J., Jr. Latching mechanism with integral key member. 4,850,735, 7-25-89, Cl. 403-330.000.

Hansen, Paul E.: *See—*

Ersfeld, Dean A.; and Hansen, Paul E., 4,841,958, Cl. 128-90.000.

Ersfeld, Dean A.; Hansen, Paul E.; Scholz, Matthew T.; Bartizal, Dennis C.; Reed, Katherine E.; Larson, Wayne K.; Sandvig, Timothy C.; and Buckanin, Richard S., 4,856,502, Cl. 128-90.000.

Hansen, Per K., to Position Orientation Systems, Inc. Line of sight measuring system. 4,823,170, 4-18-89, Cl. 356-375.000.

Hansen, Per K., to Position Orientation Systems, Inc. Omnidirectional distance measurement system. 4,858,203, 8-15-89, Cl. 367-103.000.

Hansen, Quinten A. Overload release clutch. 4,858,740, 8-22-89, Cl. 192-56.00R.

Hansen, Richard E.; Rippl, Carl G.; Midkiff, David G.; and Neuwirth, Joseph G., to Kimberly-Clark Corporation. Antimicrobial absorbent food pad. 4,865,855, 9-12-89, Cl. 426-124.000.

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Hansen, Robert A.: *See—*

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Hansen, Robert C.: *See—*

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Hansen, Robert D.; and Klimpel, Richard R., to Dow Chemical Company, The. Flotation depressants. 4,808,301, 2-28-89, Cl. 209-167.000.

Hansen, Robert D.; and Klimpel, Richard R., to Dow Chemical Company, The. Method for the froth flotation of coal. 4,820,406, 4-11-89, Cl. 209-166.000.

Hansen, Robert D.: *See—*

Klimpel, Richard R.; and Hansen, Robert D., 4,797,202, Cl. 209-166.000.

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Klimpel, Richard R.; Hansen, Robert D.; and Fazio, Michael J., 4,826,588, Cl. 209-167.000.

Klimpel, Richard R.; and Hansen, Robert D., 4,830,740, Cl. 209-167.000.

Hansen, Robert S. Apparatus for reinforcing binding holes. 4,822,446, 4-18-89, Cl. 156-513.000.

Hansen, Robert S. Binding hole reinforcement, method and apparatus. 4,853,268, 8-1-89, Cl. 428-42.000.

Hansen, Ronald D.; Mock, Clayton W.; and Kadifa, Abdo G., to Xerox Corporation. Mouse pointer with switchable emulation mode. 4,859,995, 8-22-89, Cl. 340-710.000.

Hansen-Smith, Karen; and Lewis, John E. Adjustable beach chair. 4,838,608, 6-13-89, Cl. 297-27.000.

Hansen, Stephen P.: *See—*

Doe, Ralph W.; Hansen, Stephen P.; and Brown, Kenneth M. 4,843,695, Cl. 29-827.000.

Hansen, Stuart; Fjeldsted, John; and Broadbent, Carolyn, to Hewlett-Packard Company. Quartz quadrupole for mass filter. 4,885,500, 12-5-89, Cl. 313-256.000.

Hansen Technologies Corporation: *See—*

Hansen, Charles C., III; Yencho, John A.; Barbier, William J.; Knapp, Curtis H.; and Kuhn, Orval J., Jr., 4,809,129, Cl. 361-284.000.

Hansen, Tomas T., to Novo Industri A/S. Enzymatic synthesis of waxes. 4,826,767, 5-2-89, Cl. 435-134.000.

Hansen, Vicky A.: *See—*

Wheelwright, Lynn M.; Hansen, Vicky A.; and Heerema, Mark D. 4,858,159, Cl. 364-571.010.

Hansen, Victor L.; and Balakrishnan, Shiv K., to Tektronix, Inc. Digital bandpass oscilloscope. 4,802,098, 1-31-89, Cl. 364-487.000.

Hansen, Victor L.; and Etheridge, Eric, to Tektronix, Inc. Programmable multistage digital filter. 4,809,208, 2-28-89, Cl. 364-724.120.

Hansen, Victor L., to Tektronix, Inc. Phase coordinated multistage digital filter. 4,835,723, 5-30-89, Cl. 364-724.010.

Hansen, Walter: *See—*

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Hansen, Wayne. Retainer for an airplane rudder. 4,865,276, 9-12-89, Cl. 244-224.000.

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Hansen, William T. Disposable diaper and wet wipe pad package. 4,808,175, 2-28-89, Cl. 604-385.100.

Hanser, Patrick E. L., to Creation de Mecanismes, d'Automatismes et d'Asservissements. Device for brushing threaded bores. 4,805,253, 2-21-89, Cl. 15-246.500.

Hanser, Patrick E. L., to Creation de Mecanismes, d'Automatismes et d'Asservissements. Device for brushing sealing surfaces of enclosure access holes. 4,887,328, 12-19-89, Cl. 15-246.500.

Hanser, Walter; Rayer, Peter; Wardecki, Norbert; and Hug, Peter, to Buck Werke GmbH, & Co. Exercise firing projectile. 4,869,174, 9-26-89, Cl. 102-489.000.

Hanset, Richard E.: *See—*

Cassady, Henry W., Jr.; Hanset, Richard E.; Livingston, James W.; and Moreland, Gary D., 4,865,232, Cl. 222-464.000.

Hansford, Alan E.: *See—*

Naish, Peter J.; Stanbury, Evan J.; Watkins, Gregory D; Bellis, Graeme J.; and Hansford, Alan E., 4,850,010, Cl. 379-107.000.

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Hanshim Kikagaku Kabushiki Kaisha: *See—*

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Ahlgren, Frederic F.; Bergman, Rolf S.; Davenport, John M.; Hansler, Richard L.; Hantman, Robert G.; and Hoegler, Leonard E., 4,839,559, Cl. 313-579.000.

Davenport, John M.; and Hansler, Richard L., 4,811,172, Cl. 362-61.000.

Davenport, John M.; and Hansler, Richard L., 4,851,969, Cl. 362-61.000.

Davenport, John M.; and Hansler, Richard L., 4,868,458, Cl. 315-77.000.

Davenport, John M.; Finch, William W.; and Hansler, Richard L. 4,868,718, Cl. 362-32.000.

Hansma, Paul K.; and Sonnenfeld, Richard, to University of California, The Regents of the. High resolution atomic force microscope. 4,800,274, 1-24-89, Cl. 250-306.000.

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Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, 4,829,907, Cl. 104-5.000.

Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, 4,884,509, Cl. 104-9.000.

Hansmann, Thomas A. Wall racking tool. 4,870,741, 10-3-89, Cl. 29-271.000.

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Hanson, Carl [illegible]. Aid for cardio-pulmonary resuscitation. 4,809,683, 3-7-89, Cl. 128-28.000.

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Smith, Wayne G.; Martinez, David V.; Mozingo, Robert E.; and Hanson, Charles B., 4,854,814, Cl. 414-723.000.

Hanson, Charles C.; and Ross, Michael J., to International Business Machines Corporation. Disk drive head retract and motor braking method and apparatus. 4,831,469, 5-16-89, Cl. 360-75.000.

Hanson, Charles M.; Koester, Vaughn J.; and Fallstrom, Robert D., to Varo, Inc. Head mounted video display and remote camera system. 4,884,137, 11-28-89, Cl. 358-108.000.

Hanson, Charles W., to International Business Machines Corporation. Fast one out of many differential multiplexer. 4,833,421, 5-23-89, Cl. 330-252.000.

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Hanson, David M.: *See—*

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Hanson, Dennis B.; and DeLoach, Wendell T. Baseboard molding strip and method of installing same. 4,845,910, 7-11-89, Cl. 52-288.000.

Hanson, Donald N.; and Lynn, Scott. Method of crystallizing salts from aqueous solutions. 4,879,042, 11-7-89, Cl. 210-642.000.

Hanson, Donald W. Tracheostomy tube valve apparatus. 4,877,025, 10-31-89, Cl. 128-207.160.

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Hanson, Eric R., to Hypres, Incorporated. Apparatus and method for measurement of a signal with a sampler. 4,823,026, 4-18-89, Cl. 307-352.000.

Hanson, Garry L. Apparatus and method for forming a pallet. 4,824,004, 4-25-89, Cl. 227-152.000.

Hanson, Gary E., to Hewlett-Packard Company. Thermal ink jet printhead assembly employing beam lead interconnect circuit. 4,827,294, 5-2-89, Cl. 346-140.00R.

Hanson, Gary E.: *See—*

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Hanson, George E., to Norand Corporation. DNA sequencing gel reading system and method. 4,823,007, 4-18-89, Cl. 250-327.200.

Hanson, George E.: *See—*

Miller, Phillip; Shindley, Richard P.; Feltz, Kristi T.; Hanson, George E.; and White, Jonathan R., 4,882,475, Cl. 235-383.000.

Hanson, Glenn R., to Mold Systems Corporation. Joist protector. 4,848,049, 7-18-89, Cl. 52-97.000.

Hanson, Gunnar J.; and Baran, John S., to G. D. Searle & Co. Non-peptidyl beta-succinamidoacyl aminodiols as anti-hypertensive agents. 4,877,785, 10-31-89, Cl. 514-224.200.

Hanson, Harold C. Method of bait mounting. 4,848,024, 7-18-89, Cl. 43-44.820.

Hanson, James B. Water leak detector and method therefor. 4,888,455, 12-19-89, Cl. 200-61.040.

Hanson, Jay L., to Thermo King Corporation. Temperature controller for a transport refrigeration system. 4,819,441, 4-11-89, Cl. 62-160.000.

Hanson, Jay L.; and Howland, Leland L., to Thermo King Corporation. Control for automatically starting a diesel engine. 4,878,465, 11-7-89, Cl. 123-179.0BG.

Hanson, Joseph R., Jr.: *See—*

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Hanson, Mark E., to Northern Telecom Limited. Microcomputer implemented control device with maintenance provisions. 4,831,511, 5-16-89, Cl. 364-184.000.

Hanson, Mark L., to MinnFac, Inc. Exterior lighting system. 4,888,669, 12-19-89, Cl. 362-145.000.

Hanson, Merle E.; and Titchener, Paul F., to Comdisco Resources, Inc. Method and apparatus using a well casing for transmitting data up a well. 4,821,035, 4-11-89, Cl. 340-856.000.

Hanson, Merle E.; and Titchener, Paul F., to Comdisco Resources, Inc. Method and apparatus using casing and tubing for transmitting data up a well. 4,845,494, 7-4-89, Cl. 340-857.000.

Hanson, Merle E.; and Thorson, Lewis D., to Comdisco Resources, Inc. Overlapping horizontal fracture formation and flooding process. 4,889,186, 12-26-89, Cl. 166-252.000.

Hanson, Merle E.: *See—*

Titchener, Paul F.; Walsh, Michael J. M.; and Hanson, Merle E., 4,848,480, Cl. 166-385.000.

Hanson, Paul G.: *See—*

O'Brien, Dennis J.; Hanson, Paul G.; Klarquist, Thomas D.; Nepple, Bruce C.; Park, Michael C.; and Rosas, Robin R., 4,885,763, Cl. 379-67.000.

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Hanson, R. A.; and Morton, Jerry, to R. A. Hanson Company, Inc. Continuous excavating apparatus and methods. 4,858,347, 8-22-89, Cl. 37-190.000.

Hanson, Ralph E. Endocardial pacing lead. 4,883,070, 11-28-89, Cl. 128-785.000.

Hanson, Raymond; Allen, Christopher M.; Albert, Karl-Heinz; and von Voithenberg, Hubertus, to Emhart Industries, Inc. Attaching soles to shoes. 4,846,919, 7-11-89, Cl. 156-307.500

Hanson, Raymond; Tillyard, Malcolm; and Allen, Christopher M., to British United Shoe Machinery Limited. Curing coatings of a moisture-curable composition. 4,876,434, 10-24-89, Cl. 219-215.000.

Hanson, Raymond A.; and Crockett, Wayne, to R. A. Hanson Company, Inc. Cam actuated mineral jig. 4,849,097, 7-18-89, Cl. 209-425.000.

Hanson, Raymond A., to R. A. Hanson Company, Inc. Excavating apparatus with adjustable breaker bar. 4,871,213, 10-3-89, Cl. 299-64.000.

Hanson, Richard A. Force sensing device and method. 4,856,350, 8-15-89, Cl. 73-862.590.

Hanson, Richard A.; Peters, Rex B.; Norling, Brian L.; and Urbach, Edward A., to Sundstrand Data Control, Inc. Translational accelerometer and accelerometer assembly method. 4,872,342, 10-10-89, Cl. 73-517.00R.

Hanson, Richard S.; and Allen, Larry N., to University of Minnesota, The Regents of the. Methylotroph cloning vehicle. 4,824,786, 4-25-89, Cl. 435-252.300.

Hanson, Robert L., to Minnesota Mining and Manufacturing Company. Record/not record latch for recording cassette. 4,875,109, 10-17-89, Cl. 360-60.000.

Hanson, Roger D.; and Hill, William E., to Tennessee Gas Pipeline Company. Muffler with drain holes. 4,865,154, 9-12-89, Cl. 181-282.000.

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Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.

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Hanson, Todd A.; and Hanson, Karen E. Flashlight powered cooking rotisserie. 4,815,367, 3-28-89, Cl. 99-421.00H.

Hanson, William J.: *See—*

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Hanss, Francoise M. N., legal representative: *See—*

Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, 4,835,457, Cl. 324-71.400.

Hanss, Geraldine B. N., legal representative: *See—*

Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, 4,835,457, Cl. 324-71.400.

Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, to Universite Rene Descartes. Apparatus and process for determining the deformability of the red corpuscles in the blood. 4,835,457, 5-30-89, Cl. 324-71.400.

Hanss, Michel M. L., legal representative: *See—*

Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, 4,835,457, Cl. 324-71.400.

Hanss, Thierry M. L., legal representative: *See—*

Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, 4,835,457, Cl. 324-71.400.

- **Hanssen, Carl-Otto**, to Molnlycke AB. Surgical drape and a method for its manufacture. 4,889,136, 12-26-89, Cl. 128-855.000.
- **Hanssler, Gerd**: *See—*
  - Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, 4,845,111, Cl. 514-383.000.
  - Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, 4,845,112, Cl. 514-383.000.
  - Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, 4,849,440, Cl. 514-383.000.
  - Daum, Werner; Hanssler, Gerd; and Ooms, Pieter, 4,839,381, Cl. 514-444.000.
  - Daum, Werner; and Hanssler, Gerd, 4,863,954, Cl. 514-445.000.
  - Daum, Werner; Hanssler, Gerd; and Ooms, Pieter, 4,871,864, Cl. 549-60.000.
  - Elbe, Hans-Ludwig; Jautelat, Manfred; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,798,899, Cl. 548-262.000.
  - Fest, Christa; Hanssler, Gerd; and Brandes, Wilhelm, 4,859,235, Cl. 71-103.000.
  - Fest, Christa; Findeisen, Kurt; Brandes, Wilhelm; Dutzmann, Stefan; Hanssler, Gerd; and Reinecke, Paul, 4,886,832, Cl. 514-477.000.
  - Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, 4,839,359, Cl. 514-241.000.
  - Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, 4,876,253, Cl. 514-241.000.
  - Gayer, Herbert; Jelich, Klaus; Lunkenheimer, Winfried; Brandes, Wilhelm; and Hanssler, Gerd, 4,886,833, Cl. 514-521.000.
  - Heinemann, Ulrich; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,849, Cl. 514-269.000.
  - Jager, Gerhard; Jautelat, Manfred; Arlt, Dieter; Reinecke, Paul; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,865, Cl. 514-399.000.
  - Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.
  - Jelich, Klaus; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4 864,029, Cl. 548-247.000.
  - Kramer, Wolfgang; Weissmuller, Joachim; Reinecke, Paul; and Hanssler, Gerd, 4,845,098, Cl. 514-238.800.
  - Kramer, Wolfgang; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,847,278, Cl. 514-383.000.
  - Kuhle, Engelbert; Paulus, Wilfried; Genth, Hermann; Reinecke, Paul; Hanssler, Gerd; and Brandes, Wilhelm, 4,798,905, Cl. 560-16.000.
  - Sasse, Klaus; Hanssler, Gerd; Schmitt, Hans-Georg; and Paulus, Wilfried, 4,806,540, Cl. 514-236.500.
  - Weissmuller, Joachim; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,804,406, Cl. 71-121.000.
  - Weissmuller, Joachim; Reinecke, Paul; and Hanssler, Gerd, 4,824,844, Cl. 514-239.500.
  - Weissmuller, Joachim; Kramer, Wolfgang; Reinecke, Paul; and Hanssler, Gerd, 4,826,836, Cl. 514-212.000.
  - Weissmuller, Joachim; Berg, Dieter; Hanssler, Gerd; and Reinecke, Paul, 4,877,786, Cl. 514-236.800.
  - Wollweber, Detlef; Brandes, Wilhelm; Dutzmann, Stefan; and Hanssler, Gerd, 4,849,435, Cl. 514-343.000.
- **Hansson, Birger**: *See—*
  - Hultberg, Sten; and Hansson, Birger, 4,873,925, Cl. 101-147.000.
- **Hansson, Gunnar C.**, to Atlas Copco Aktiebolag. Two-speed power tool. 4,834,192, 5-30-89, Cl. 173-12.000.
- **Hansson, Gunnar C.** Electrically powered screw tightening tool. 4,838,364, 6-13-89, Cl. 173-170.000.
- **Hansson, Gunnar C.**, to Atlas Copco Aktiebolag. Screw joint tightening power tool. 4,842,078, 6-27-89, Cl. 173-12.000.
- **Hansson, Gunnar C.**, to Atlas Copco Aktiebolag. Power tool for two step tightening of screw joints. 4,881,435, 11-21-89, Cl. 81-469.000.
- **Hansson, Maria.** Decorative display and storage case. 4,811,996, 3-14-89, Cl. 312-132.000.
- **Hansson, Nils E.**, to Nestec S.A. Process for preparing a coated foodstuff. 4,808,423, 2-28-89, Cl. 426-273.000.
- **Hansson, Nils E.**, to Nestec S.A. Apparatus for preparing a coated foodstuff. 4,846,097, 7-11-89, Cl. 118-16.000.
- **Hansson, Nils E.**: *See—*
  - Akesson, Yngve R.; Hansson, Nils E.; Olofsson, Mats; and Pegoraro, Guiliano, 4,868,951, Cl. 17-54.000.
- **Hansson, Per-Ulf**: *See—*
  - Kuckhermann, Gustav; and Hansson, Per-Ulf, 4,823,539, Cl. 53-579.000.
- **Hansson, Torbjorn**, to Flakt AB. Arrangement in the drying section of a paper machine. 4,799,318, 1-24-89, Cl. 34-117.000.
- **Hanstein, Ullrich; and Bauer, Lothar**, to Merck Patent Gesellschaft mit beschrankter Haftung. Sucralfate suspension. 4,885,281, 12-5-89, Cl. 514-53.000.
- **Hant, William**: *See—*
  - Tully, John W.; O'Brien, Benedict B.; Hant, William; and Hu, King L., 4,839,303, Cl. 437-31.000.
- **Hantel, Ulrich**: *See—*
  - Affeldt, Karl-Heinz; and Hantel, Ulrich, 4,838,277, Cl. 128-691.000.
  - Affeldt, Karl-Heinz; and Hantel, Ulrich, 4,873,988, Cl. 128-687.000.
- **Hanthorn, Philip T.** Portable conveyor system with telescopic boom assembly and load carrying apparatus. 4,875,547, 10-24-89, Cl. 182-102.000.
- **Hantke, Glenn M.**: *See—*
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  - Just, Murray K.; Grodecki, Lawrence S.; Henry, James W.; and Hantke, Glenn M., 4,813,489, Cl. 172-175.000.
- **Hantman, Robert G.**: *See—*
  - Ahlgren, Frederic F.; Bergman, Rolf S.; Davenport, John M.; Hansler, Richard L.; Hantman, Robert G.; and Hoegler, Leonard E., 4,839,559, Cl. 313-579.000.
- **Hantz, Dominique; Antoine, Dominique; and Jackowski, Bruno**, to SEB S.A. Electric household appliance combining a toaster and an oven. 4,889,042, 12-26-89, Cl. 99-340.000.
- **Hanulik, Jozef.** Process for decontaminating radioactivity contaminated metallic materials. 4,828,759, 5-9-89, Cl. 252-628.000.
- **Hanulik, Jozef**, to Recytec S.A. Process for recycling fluorescent and television tubes. 4,858,833, 8-22-89, Cl. 241-24.000.
- **Hanulik, Jozef**, to RecyTec S.A. Process for the recycling of electrical batteries, assembled printed circuit boards and electronic components. 4,874,486, 10-17-89, Cl. 204-140.000.
- **Hanus, John P.** Self-locking container closure. 4,850,528, 7-25-89, Cl. 229-138.000.
- **Hanwa Electronic Co., Ltd.**: *See—*
  - Toshiyuki, Nakaie; and Tethuo, Oonishi, 4,812,755, Cl. 326-158.00F.
- **Hanway, John R.**, to United Engineering Corporation. Vehicle motion logger. 4,853,856, 8-1-89, Cl. 364-424.010.
- **Hanya, Masao**: *See—*
  - Kitaoka, Seiya; and Hanya, Masao, 4,799,204, Cl. 368-263.000.
- **Hanyu, Akinobu; and Kurokawa, Tsukasa**, to Fuji Kikai Kogyo Co., Ltd. Zigzag folding apparatus for a form printing machine. 4,861,32[illegible], 8-29-89, Cl. 493-415.000.
- **Hanyu, Susumu; and Koide, Akio**, to Janome Sewing Machine Co., Ltd. Computer operated sewing machine with a mode switching function. 4,862,816, 9-5-89, Cl. 112-456.000.
- **Hanyu, Yukio; and Futami, Yukiko**, to Canon Kabushiki Kaisha. Liquid crystal device. 4,879,059, 11-7-89, Cl. 252-299.400.
- **Hanyu, Yukio**: *See—*
  - Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.
  - Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.
- **Hanyuda, Ken; and Ohara, Michimasa**, to Fujitsu Limited. Optical repeater and regulated current feeding system for the same. 4,879,76[illegible], 11-7-89, Cl. 455-601.000.
- **Hanyuda, Toshiaki**: *See—*
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- **Hanzawa, Asao**: *See—*
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- **Hanzawa, Kohtaro; Morikawa, Shigenori; and Nakamura, Kazuhisa**, to Casio Computer Co., Ltd. Effector for electronic musical instrument. 4,864,625, 9-5-89, Cl. 381-61.000.
- **Hanzawa, Yukihiko; Kawauchi, Haruki; Mikami, Tukasa; Takagi, Akinobu; and Kurotobi, Yohji**, to Honda Giken Kogyo Kabushiki Kaisha. Silencer with a side branch. 4,800,985, 1-31-89, Cl. 181-229.000.
- **Hao, Chung-Hsing.** Speed changing device for electric fans. 4,841,1[illegible], 6-20-89, Cl. 310-200.000.
- **Haour, Georges; Richter, Dag; Boswell, Peter; and Wagnieres, Willy.** Process for selectively forming at least one metal or alloy coating strip on a substrate of another metal and integrated circuit lead frame achieved by this process. 4,865,876, 9-12-89, Cl. 427-96.000.
- **Happ, Kenneth C.**: *See—*
  - Butzen, James K.; Happ, Kenneth C.; and Giese, Robert D., 4,879,847, Cl. 51-170.00R.
- **Happe, Eugene E.** Drywall sander mount. 4,848,037, 7-18-89, Cl. 51-170.0TL.
- **Happel, Brian K.**: *See—*
  - Merwarth, Richard J.; and Happel, Brian K., 4,813,662, Cl. 271-315.000.
- **Haq, Ikram**, to Balfour Beatty Limited. Filling cracks in artificial and natural structures. 4,884,922, 12-5-89, Cl. 405-303.000.
- **Haq, Zia**: *See—*
  - Barby, Donald; and Haq, Zia, 4,797,310, Cl. 428-71.000.
- **Haque, Sazzadul; Floyd, Thomas O.; Savas, Nick; and Kelm, Walter H.**, to Carboloy Inc. Cutting tool employing a double pin retention assembly. 4,875,812, 10-24-89, Cl. 407-104.000.
- **Haque, Yusue A.**, to American Microsystems, Inc. Integrated circuit filter with reduced die area. 4,853,759, 8-1-89, Cl. 357-51.000.
- **Haque, Yusuf A.**, to Maxim Integrated Products. Programmable, universal filter with self biasing. 4,801,888, 1-31-89, Cl. 330-9.000.
- **Har-El, Moshe**: *See—*
  - Laniado, Josephe; and Har-El, Moshe, 4,848,437, Cl. 160-370.2[illegible].
- **Har-Tru Corporation**: *See—*
  - Funkhouser, Richard N., Jr., 4,832,526, Cl. 405-42.000.
  - Funkhouser, Richard N., Jr., 4,844,455, Cl. 273-29.00F.
- **Hara, Akikuni; and Ogawa, Yukio**, to Hakuju Institute For Health Science Co., Ltd. Electric field therapy apparatus. 4,802,470, 2-7-89, Cl. 128-24.100.
- **Hara, Akio; and Yamamura, Akihiko**, to Sumitomo Electric Industries Ltd. Composite sintered material having sandwich structure. 4,861,673, 8-29-89, Cl. 428-469.000.
- **Hara, Akio**: *See—*
  - Kohno, Yuichiro; and Hara, Akio, 4,880,707, Cl. 428-565.000.
- **Hara, Akira; and Ochiai, Minoru**, to Baldwin-Japan Limited. Apparatus for cleaning a printing cylinder. 4,867,064, 9-19-89, Cl. 101-425.000.
- **Hara, Hideaki**: *See—*
  - [illegible], Ryuichi; Hori, Manabu; Ohtaka, Hiroshi; Sukamoto, Takayuki; Hara, Hideaki; and Ito, Keizo, 4,877,790, Cl. 514-260.000.
- **Hara, Hideo; Maehara, Tadashi; Eshima, Masahazu; Morita, Hirofumi; and Kojima, Hiroshi**, to Bridgestone Corporation. Belted tire. 4,815,514, 3-28-89, Cl. 152-531.000.
- **Hara, Hirofumi**: *See—*
  - Nozaki, Hiroyoshi; Aida, Zenichi; Hara, Hirofumi; Satake, Toshihiko; Mitsuyoshi, Hiroshi; Arakawa, Masayasu; and Hatanaka, Koji, 4,822,647, Cl. 427-421.000.
- **Hara, Hiromu**: *See—*
  - Mase, Toshiyasu; Tsuzuki, Ryuji; Hara, Hiromu; Murase, Kiyoshi; and Tomioka, Kenichi, 4,803,211, Cl. 514-361.000.
  - Murase, Kiyoshi; Mase, Toshiyasu; Hara, Hiromu; and Tomioka, Kenichi, 4,855,310, Cl. 514-361.000.
- **Hara, Hiroshi.** Album type slide suspension device. 4,795,251, 1-3-89, Cl. 353-120.000.
- **Hara, Hiroshi**, to Fuji Photo Film Co., Ltd. Photosensitive material magazine. 4,832,197, 5-23-89, Cl. 206-409.000.
- **Hara, Hiroshi**: *See—*
  - Aoso, Toshiaki; and Hara, Hiroshi, 4,859,580, Cl. 430-617.000.
  - Hirai, Hiroyuki; and Hara, Hiroshi, 4,801,961, Cl. 354-303.000.
  - Ohmura, Hiroshi; Ushiro, Seimei; Hara, Hiroshi; Asano, Seiji; and Yoshida, Toshio, 4,855,774, Cl. 354-203.000.
- **Hara, Hiroyuki; and Sugimoto, Yasuhiro**, to Kabushiki Kaisha Toshiba. Full adder circuit having an exclusive-OR circuit. 4,831,579, 5-16-89, Cl. 364-784.000.
- **Hara, Hiroyuki; and Sugimoto, Yasuhiro**, to Kabushiki Kaisha Toshiba. Differential amplifier. 4,839,609, 6-13-89, Cl. 330-253.000.
- **Hara, Hisao**: *See—*
  - Tsukuda, Yasuo; and Hara, Hisao, 4,808,490, Cl. 428-699.000.
- **Hara, Hitoshi; and Sumen, Hiroyoshi**, to Sumitomo Heavy Industries, Ltd. Injection nozzle for an injection molding machine. 4,875,845, 10-24-89, Cl. 425-143.000.
- **Hara, Hitoshi**, to Sumitomo Heavy Industries, Ltd. Injection molding machine having selectively controllable motors. 4,878,824, 11-7-89, Cl. 425-139.000.
- **Hara, Jun**, to Morinaga & Co., Ltd. Aerochocolates and process for preparing the same. 4,889,738, 12-26-89, Cl. 426-572.000.
- **Hara, Junichiro; Ogihara, Yoshiyuki; and Takahashi, Hideo**, to Nissan Motor Company, Limited. Air conditioner system for automotive vehicle. 4,875,624, 10-24-89, Cl. 236-49.500.
- **Hara, Kazuhiko; Ueguri, Shigeo; Iwata, Akihiko; Okamoto, Tatsuki; and Ueda, Yoshihiro**, to Mitsubishi Denki Kabushiki Kaisha. Metal vapor laser. 4,815,091, 3-21-89, Cl. 372-56.000.
- **Hara, Kazuhiko**: *See—*
  - Ban, Mikichi; Kakuchi, Osamu; Yamamoto, Hironori; Ohtsuka, Masaru; Shiba, Osamu; and Hara, Kazuhiko, 4,850,709, Cl. 356-352.000.
- **Hara, Kazutoshi**: *See—*
  - Haga, Takahiro; Shigehara, Itaru; Koyanagi, Toru; Hara, Kazutoshi; and Maeda, Masaru, 4,861,886, Cl. 546-16.000.
- **Hara, Kazuya; and Rikuna, Kenji**, to Casio Computer Co., Ltd. Multi-layered electronic card carrying integrated circuit pellet and having two-pad layered structure for electrical connection thereto. 4,795,895, 1-3-89, Cl. 235-492.000.
- **Hara, Kazuya**, to Casio Computer Co., Ltd. Multiple application electronic card-like apparatus. 4,797,542, 1-10-89, Cl. 235-380.000.
- **Hara, Kazuya; Inoue, Takanori; and Bito, Hiroyasu**, to Casio Computer Co., Ltd. Card-like electronic apparatus. 4,876,441, 10-24-89, Cl. 235-488.000.
- **Hara, Kazuya; and Rikuna, Kenji**, to Casio Computer Co., Ltd. Electronic memory card and method of manufacturing same. 4,889,980, 12-26-89, Cl. 235-488.000.
- **Hara, Kazuyoshi; and Oda, Masataka**, to Minolta Camera Kabushiki Kaisha. Paper separation charger for use in electrophotographic copier and the like. 4,876,578, 10-24-89, Cl. 355-315.000.
- **Hara, Kazuyoshi**: *See—*
  - Honma, Shigeo; and Hara, Kazuyoshi, 4,871,407, Cl. 156-83.000.
  - Honma, Shigeo; Inagaki, Sanji; and Hara, Kazuyoshi, 4,871,408, Cl. 156-83.000.
  - Mori, Kei; and Hara, Kazuyoshi, 4,843,530, Cl. 362-413.000.
- **Hara, Kenichi**: *See—*
  - Kazama, Toyoki; Aizawa, Koichi; Hara, Kenichi; Iijima, Toshiyuki; and Takano, Yukio, 4,833,055, Cl. 430-66.000.
  - Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajicka, Hiroyuki; and Sasaki, Kunimasa, 4,887,602, Cl. 164-427.000.
- **Hara, Kenji**: *See—*
  - Ikeda, Michiaki; Kaku, Hisayuki; Yamashita, Shinji; Hara, Kenji; and Ono, Hiroyuki, 4,851,771, Cl. 324-208.000.
  - Kamiya, Tetsuro; Tsuchiya, Shuichi; and Hara, Kenji, 4,879,274, Cl. 514-12.000.
- **Hara, Kinichi**: *See—*
  - Taguchi, Fumiaki; Mitsui, Isamu; Hara, Kinichi; Hayashi, Masaro; Ezawa, Kunio; Fukunaga, Kenichi; and Kuranari, Jun, 4,882,423, Cl. 530-380.000.
- **Hara, Kiyoshi**: *See—*
  - Enjoji, Susumu; Kikuchi, Yushichi; and Hara, Kiyoshi, 4,807,634, Cl. 128-660.010.
- **Hara, Kouichi**: *See—*
  - Hata, Chiemi; Hara, Kouichi; and Izumitani, Tetsuro, 4,816,049, Cl. 65-3.200.
- **Hara, Kozo**: *See—*
  - Kagami, Toshihiko; Kobayashi, Kazuyoshi; Asakawa, Eiji; Osada, Atushi; Hara, Kozo; and Abe, Yasuji, 4,859,993, Cl. 340-674.000.
  - Suzuki, Hitoshi; Hara, Kozo; Koga, Shiro; and Morita, Shigeru, 4,860,363, Cl. 381-89.000.
- **Hara, Makoto**, to Fuji Photo Film Co., Ltd. Signal processing method for determining base sequence of nucleic acid. 4,802,101, 1-31-89, Cl. 364-496.000.
- **Hara, Makoto**, to Fuji Photo Film Co., Ltd. Signal processing method for determining base sequence of nucleic acid. 4,885,696, 12-5-89, Cl. 364-497.000.
- **Hara, Masaharu**: *See—*
  - Akabane, Jun; Moro, Ken; Yamamoto, Masayasu; Hara, Masaharu; and Sekine, Yoshio, 4,853,723, Cl. 354-145.100.
- **Hara, Masahiro; Okamoto, Atutoshi; Sakai, Toshiyasu; Oshima, Tadao; Yamamoto, Hiroshi; and Takai, Hiromitsu**, to Nippondenso Co., Ltd. Apparatus for optically reading printed information. 4,818,847, 4-4-89, Cl. 235-455.000.
- **Hara, Masanori**: *See—*
  - Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
  - Matsuda, Kenji; Sugawara, Sakuo; Hara, Masanori; Umemura, Hiroyuki; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,858,824, Cl. 236-94.000.
- **Hara, Masao**: *See—*
  - Sakura, Yasuo; Hara, Masao; Nakata, Tetsuro; and Fujii, Noboru, 4,796,096, Cl. 358-310.000.
- **Hara, Masashi**, to Sharp Kabushiki Kaisha. Display device interface circuit. 4,804,952, 2-14-89, Cl. 340-730.000.
- **Hara, Masato**: *See—*
  - Kawasaki, Harumi; and Hara, Masato, 4,883,955, Cl. 250-231.0SE.
- **Hara, Minoru**: *See—*
  - Nakajima, Yukio; and Hara, Minoru, 4,814,812, Cl. 354-412.000.
- **Hara, Mitsuhiro**: *See—*
  - Komeya, Seiji; and Hara, Mitsuhiro, 4,852,932, Cl. 296-37.900.
- **Hara, Mitsunori; Nagao, Nobuhiro; Amazutsumi, Tooru; and Urushihara, Kanji**, to Sanyo Electric Co., Ltd. Enclosed cell having safety valve mechanism and fabricating method of the same. 4,804,593, 2-14-89, Cl. 429-174.000.
- **Hara, Naoki; and Yamaguchi, Nobuo**, to Honda Giken Kogyo Kabushiki Kaisha. Air cleaner and carburetor layout for motorcycles. 4,815,554, 3-28-89, Cl. 180-219.000.
- **Hara, Naoki**: *See—*
  - Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.
- **Hara, Noboru; and Sugiyama, Shogo**, to Toyoda Gosei Co., Ltd. Mixing head of injection molding machine. 4,856,908, 8-15-89, Cl. 366-182.000.
- **Hara, Nobuhiro**: *See—*
  - Aihara, Katsuzo; Hara, Nobuhiro; Tada, Naofumi; Ogihara, Masahiro; Kouriki, Katsuo; and Suzuki, Yasuo, 4,870,379, Cl. 505-1.000.
- **Hara, Nobuo**: *See—*
  - Kobayashi, Nobuyoshi; Hara, Nobuo; Iwata, Seiichi; and Yamamoto, Naoki, 4,807,015, Cl. 357-67.000.
- **Hara, Osamu**: *See—*
  - Ohtsuka, Hiroo; Hara, Osamu; Hori, Akira; and Nodoa, Minoru, 4,854,889, Cl. 439-395.000.
- **Hara, Ryoichi**: *See—*
  - Tamura, Junichi; Hara, Ryoichi; Abe, Fumihiko; and Koaizawa, Hisashi, 4,884,290, Cl. 378-83.000.
- **Hara, Ryuichi; Kagizaki, Masami; Takakura, Tsuyoshi; and Tomono, Shigeki**, to Mitsubishi Chemical Industries Limited. Process for the production of pitch-type carbon fibers. 4,818,612, 4-4-89, Cl. 428-367.000.
- **Hara, Ryuichiro**: *See—*
  - Shibanuma, Tadao; Nakano, Kohji; Nagano, Noriaki; Murakami, Yukiyasu; Hara, Ryuichiro; Koda, Akio; and Yamazaki, Atsuki, 4,845,211, Cl. 540-224.000.
- **Hara, Seiichiro; and Hoshi, Yoshikazu**, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Rotation angle measuring apparatus. 4,854,284, 8-8-89, Cl. 123-414.000.
- **Hara, Seiji; and Kobayashi, Satoshi**, to Sanyo Electric Co., Ltd. Resetting system. 4,803,682, 2-7-89, Cl. 371-12.000.
- **Hara, Seiji**: *See—*
  - Awane, Misao; Hara, Seiji; and Kobayashi, Satoshi, 4,834,231, Cl. 194-217.000.
- **Hara, Seinosuke**: *See—*
  - Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-78.00B.
- **Hara, Shigeo**: *See—*
  - Hirose, Hisashi; Ohta, Takanori; Hara, Shigeo; and Iwata, Kazuo, 4,831,349, Cl. 335-186.000.
  - Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.
  - Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.

Hara, Shinichi: *See—*

Suzuki, Masayuki; Hara, Shinichi; Kimura, Kuniaki; Ono, Takeo; Nakamura, Munekazu; and Ohguchi, Yoshihiro, 4,855,123, Cl. 123-562.000.

Yoneda, Kou; Miyakawa, Hideaki; and Hara, Shinichi, 4,839,762, Cl. 360-107.000.

Hara, Sigeo: *See—*

Daito, Hiroshi; and Hara, Sigeo, 4,853,812, Cl. 360-104.000.

Hara, Soichi: *See—*

Kawabata, Yasuhiro; and Hara, Soichi, 4,870,733, Cl. 29-156.50R.

Hara, Susumu: *See—*

Hirai, Hidefumi; Komiyama, Makoto; and Hara, Susumu, 4,864,071, Cl. 585-829.000.

Hara, Tadanori, to Nippon Steel Chemical Co., Ltd. Method for manufacture of phthalic anhydride. 4,879,387, 11-7-89, Cl. 549-248.000.

Hara, Tadashi: *See—*

Goto, Shigenori; Mase, Saburo; Tayama, Hirofumi; Hara, Tadashi; and Fujii, Yasuo, 4,832,436, Cl. 350-96.200.

Hara, Tadayuki: *See—*

Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,838,074, Cl. 73-118.100.

Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,856,323, Cl. 73-118.100.

Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,875,367, Cl. 73-118.100.

Hara, Tomohiko: *See—*

Shibata, Kenichi; Kimura, Kouichi; Hara, Tomohiko; and Takagi, Tatsuo, 4,849,382, Cl. 501-95.000.

Hara, Toshiaki: *See—*

Ishii, Shin-ichi; Kai, Gentaroh; Hara, Toshiaki; and Nakano, Iwao, 4,805,160, Cl. 367-134.000.

Hara, Toshihiro, to NEC Corporation. Automatic gain control apparatus. 4,829,593, 5-9-89, Cl. 455-234.000.

Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, to NEC Corporation; Nippon Telegraph & Telephone Corp.; and Kabushiki Kaisha Toshiba. Radio telephone system. 4,875,231, 10-17-89, Cl. 379-61.000.

Hara, Toshihiro: *See—*

Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.

Hara, Toshiro; Fujimoto, Takanori; and Musa, Ikuo, to Mitsubishi Denki Kabushiki Kaisha. Fuel control apparatus for an internal combustion engine. 4,875,452, 10-24-89, Cl. 123-488.000.

Hara, Toshiro: *See—*

Fujimoto, Takanori; Hara, Toshiro; and Komurasaki, Satoshi, 4,856,479, Cl. 123-425.000.

Hara, Toshitami: *See—*

Miyazawa, Seiichi; Hara, Toshitami; Nojiri, Hidetoshi; Sekiguchi, Yoshinobu; Hasegawa, Mitsutoshi; and Ikeda, Sotomitsu, 4,799,229, Cl. 372-50.000.

Miyazawa, Seiichi; Nojiri, Hidetoshi; Hara, Toshitami; Shimizu, Akira; Sekiguchi, Yoshinobu; and Hakamada, Isao, 4,829,534, Cl. 372-46.000.

Shimizu, Akira; Hara, Toshitami; Nojiri, Hidetoshi; Hakamada, Isao; Miyazawa, Seiichi; and Sekiguchi, Yoshinobu, 4,796,067, Cl. 357-4.000.

Hara, Toshiya, to Oji Seitai Kaisha, Ltd. Process for manufacturing sacks, bags, and the like. 4,818,328, 4-4-89, Cl. 156-350.000.

Hara, Toshiyuki: *See—*

Yamazaki, Hiroshi; Hara, Toshiyuki; Tanaka, Yuji; and Mouri, Takayuki, 4,880,264, Cl. 292-226.000.

Hara, Tsutomu; Suzuki, Yoshiji; and Mukouzaka, Naohisa, to Hamamatsu Photonics Kabushiki Kaisha. Optical image generator having a spatial light modulator and a display device. 4,818,983, 4-4-89, Cl. 340-794.000.

Hara, Yasuaki; Aoki, Hisashi; and Momii, Kazuma, to Shin-Etsu Chemical Co., Ltd. Silicone composition for rendering surfaces non-adherent. 4,870,149, 9-26-89, Cl. 528-15.000.

Hara, Yasuhiko; Karasaki, Koichi; and Ujiie, Noriaki, to Hitachi, Ltd. Method and apparatus for detecting wiring patterns. 4,816,686, 3-28-89, Cl. 250-458.100.

Hara, Yasuo, to Hoshizaki Electric Co., Ltd. Thermo-hygrostatic refrigerators. 4,800,729, 1-31-89, Cl. 62-185.000.

Hara, Yasuo; Oashi, Ryuji; Kawahara, Yoshitaka; and Takeuchi, Mikio, to Japan Synthetic Rubber Co., Ltd. Process for producing 5-alkylidenenorbornene. 4,861,931, 8-29-89, Cl. 585-363.000.

Hara, Yoshio, to Fuji Photo Film Co., Ltd. Protective sheet. 4,869,368, 9-26-89, Cl. 206-455.000.

Hara, Yoshitaka: *See—*

Tunekawa, Shouji; Yamada, Wazoh; Hara, Yoshitaka; and Suzuki, Fujio, 4,854,376, Cl. 165-54.000.

Hara, Yukihiko; and Suzuki, Tateo, to Mitsui Norin Co., Ltd. Method of treating hypertension. 4,840,966, 6-20-89, Cl. 514-456.000.

Hara, Zenichiro; and Tanaka, Toshiji, to Mitsubishi Denki Kabushiki Kaisha. Large screen display apparatus having modular structure. 4,833,542, 5-23-89, Cl. 358-230.000.

Hara, Zenichiro, to Mitsubishi Denki Kabushiki Kaisha. Half-tone display system for a flat matrix type cathode-ray tube. 4,870,324, 9-26-89, Cl. 315-169.100.

Harada, Akihiro: *See—*

Moriya, Shigeru; Hijikata, Sadao; Izuhara, Yasuyuki; Harada, Akihiro; Tsuzuki, Kunimasa; Nimura, Shigeki; and Watanabe, Hiroshi, 4,867,829, Cl. 156-251.000.

Harada, Akikazu, to Hitachi, Ltd. Magnetron with resonant choke structure for supressing unwanted harmonics. 4,833,367, 5-23-89, Cl. 315-39.530.

Harada, Chosei: *See—*

Iwata, Akira; and Harada, Chosei, 4,826,325, Cl. 366-221.000.

Harada, Eiji; Matsuzaki, Hitoshi; Tomita, Sigeo; and Chida, Katsunori, to Hitachi, Ltd. Semiconductor device having parallel-connected self turn-off type semiconductor elements. 4,884,126, 11-28-89, Cl. 357-81.000.

Harada Electronics Industry: *See—*

Ochi, Koji; and Harada, Masahide, 4,825,765, Cl. 102-206.000.

Harada, Hidemi: *See—*

Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; Sugiura, Tsutomu; and Ichihara, Yoshihiro, 4,867,913, Cl. 260-397.450.

Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; and Ichihara, Yoshihiro, 4,867,914, Cl. 260-397.470.

Harada, Hidetoshi; Chihara, Satoshi; Suginaka, Yutaka; Suido, Shigeru; and Kobayashi, Toshitaka, to Meiji Milk Products Company Limited. Process for making a calcium enriched milk. 4,840,814, 6-20-89, Cl. 426-580.000.

Harada, Hiroshi: *See—*

Ise, Kiyotaka; Minegishi, Harumasa; and Harada, Hiroshi, 4,805,102, Cl. 364-424.050.

Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; and Kobayashi, Shintaro, 4,826,360, Cl. 406-51.000.

Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.

Shinoda, Katsuro; Kawaguchi, Toshiyuki; Nakanishi, Kazumi; Oguri, Noriyasu; Harada, Hiroshi; and Nakajima, Isao, 4,810,836, Cl. 174-139.000.

Tabayashi, Isao; Harada, Hiroshi; Inoue, Sadahiro; and Fukuoka, Hiroshi, 4,878,946, Cl. 106-27.000.

Yamagata, Toshihiro; Harada, Hiroshi; and Yamazaki, Michio, 4,830,679, Cl. 148-3.000.

Harada, Hisako: *See—*

Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,31[illegible], Cl. 546-214.000.

Harada, Hisayuki: *See—*

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,811,118, Cl. 358-311.000.

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,873,580, Cl. 358-335.000.

Tanikawa, Kowji; Kato, Tadashi; Kanno, Masahide; Yashima, Hiroyuki; Matsueda, Akira; Rokutan, Takao; Harada, Hisayuki; Hirosawa, Isao; and Hibino, Hiroki, 4,802,018, Cl. 358-335.000.

Harada, Hitoshi: *See—*

Kyougoku, Nobuo; and Harada, Hitoshi, 4,882,463, Cl. 219-10.55E.

Harada, Ichiya: *See—*

Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takenori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.

Harada, Ikuo: *See—*

Mizutani, Yoichi; Niimi, Yoshihiro; and Harada, Ikuo, 4,849,014, Cl. 75-10.650.

Harada, Jiro, to Harada Kogyo Kabushiki Kaisha. Drive control device for an electrically-driven extending and retracting antenna. 4,875,053, 10-17-89, Cl. 343-903.000.

Harada, Jumei; and Nishigai, Kazuhisa, to Bridgestone Corporation. Rubber like material kneading apparatus. 4,871,259, 10-3-89, Cl. 366-85.000.

Harada, Junzo, to Idemitsu Kosan Company Limited. Process for production of fibrous carbon material. 4,803,123, 2-7-89, Cl. 428-367.000.

Harada, Katsuhiro: *See—*

Iwadate, Kazumi; and Harada, Katsuhiro, 4,820,609, Cl. 430-270.000.

Harada, Kazuaki: *See—*

Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, 4,833,214, Cl. 525-420.000.

Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, 4,845,185, Cl. 528-229.000.

Harada, Kazumasa: *See—*

Takahashi, Koichi; Okutsu, Kazuo; Ide, Yoshihiro; Takei, Hiroshi; Ishida, Yukio; and Harada, Kazumasa, 4,862,579, Cl. 04862567729-.000.

Harada, Keizo: *See—*

Fujimori, Naoji; Harada, Keizo; Yazu, Shuji; and Jodai, Tetsuji, 4,866,032, Cl. 505-1.000.

Tano, Yasuo; Hosotani, Hisashi; Fujimori, Naoji; and Harada, Keizo, 4,822,359, Cl. 623-6.000.

Harada, Kenichi; Uchitani, Nobuki; Kamohara, Tatuyoshi; Satoya, Koichi; and Kato, Takashi, to Toyota Jidosha Kabushiki Kaisha. Diagnostic system of an air-fuel ratio control device. 4,819,6[illegible], 4-11-89, Cl. 123-438.000.

Harada, Kenichi: *See—*

Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.

Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsuzawa, Masahiko; Morita, Sizuo; and Ichihara, Yoshiyuki, to Konishiroku Photo Industry Co., Ltd. Image reading device. 4,814,895, 3-21-89, Cl. 358-229.000.

Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsuzawa, Masahiko; Morita, Shizuo; and Ichihara, Yoshiyuki, to Konishiroku Photo Industry Co., Ltd. Solid state image reading device with sensors adhered to plate which is adhered to lens holding member. 4,835,600, 5-30-89, Cl. 358-51.000.

Harada Kogyo Kabushiki Kaisha: *See—*

Egashira, Yoshimi, 4,860,024, Cl. 343-702.000.

Egashira, Yoshimi, 4,862,182, Cl. 343-702.000.

Egashira, Yoshimi, 4,890,114, Cl. 343-702.000.

Harada, Jiro, 4,875,053, Cl. 343-903.000.

Harada, Takuji, 4,802,022, Cl. 358-349.000.

Kimura, Mineo, 4,866,458, Cl. 343-903.000.

Nakano, Kazuhiko; and Egashira, Yoshimi, 4,829,316, Cl. 343-792.000.

Shinkawa, Masami, 4,829,317, Cl. 343-903.000.

Suguri, Kazuhiko, 4,878,291, Cl. 29-606.000.

Harada, Kousuke; and Sakamoto, Hiroshi, to Nishimu Electronics Industries Co., Inc. PWM inverter with a saturable core. 4,800,476, 1-24-89, Cl. 363-16.000.

Harada, Kouichi: *See—*

Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Kouichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.

Harada, Kuniyoshi: *See—*

Ishida, Keiichi; and Harada, Kuniyoshi, 4,807,931, Cl. 297-284.000.

Harada, Manabu, to Kabushiki Kaisha Marukomu. Rotating viscometer. 4,878,378, 11-7-89, Cl. 73-59.000.

Harada, Masaaki, to Clarion, Co., Ltd. Maximum length linearly occurring code sequence generator. 4,837,790, 6-6-89, Cl. 377-33.000.

Harada, Masaaki; and Hamatsu, Masahiro, to Clarion Co., Ltd. Pseudo random noise code generator. 4,845,654, 7-4-89, Cl. 364-717.000.

Harada, Masahide; and Kimura, Kazuhiro, to Ricoh Company, Ltd. Method of controlling surface potential of photoconductive element. 4,870,460, 9-26-89, Cl. 355-246.000.

Harada, Masahide: *See—*

Ochi, Koji; and Harada, Masahide, 4,825,765, Cl. 102-206.000.

Harada, Masahiko: *See—*

Kawabata, Masami; Harada, Masahiko; and Takimoto, Yasuyuki, 4,868,092, Cl. 430-781.000.

Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kenzo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, to Mitsubishi Jukogyo Kabushiki Kaisha; and Kawasaki Steel Corporation. Method and apparatus for heating a strip of metallic material in a continuous annealing furnace. 4,836,774, 6-6-89, Cl. 432-8.000.

Harada, Masashi; Miyazaki, Hiroshi; and Itabashi, Keiji, to Toyo Soda Manufacturing Co., Ltd. Process for preparation of synthetic mordenite molded body. 4,861,571, 8-29-89, Cl. 423-328.000.

Harada, Masato; Iijima, Makoto; and Saito, Noriaki, to Chisso Corporation. Process for polymerizing olefins. 4,831,091, 5-16-89, Cl. 526-119.000.

Harada, Masato: *See—*

Miya, Shinya; Harada, Masato; Mise, Takaya; and Yamazaki, Hiroshi, 4,874,880, Cl. 556-53.000.

Harada, Masayuki: *See—*

Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Mitsuo; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, 4,806,377, Cl. 420-528.000.

Harada, Mineo: *See—*

Miyazawa, Akiyasu; Harada, Mineo; Tajima, Eiji; and Abe, Takao, 4,802,776, Cl. 400-124.000.

Shimojo, Tetsuji; Harada, Mineo; Tanaka, Hideyo; and Furuya, Kaname, 4,822,188, Cl. 400-124.000.

Harada, Naoki; Miyamoto, Tetsuya; Imada, Kunihiko; and Omura, Takashi, to Sumitomo Chemical Company, Limited. Method of obtaining dyed and finished cellulose fiber materials using reactive metallized formazan dye with no color change. 4,880,434, 11-14-89, Cl. 8-549.000.

Harada, Naoki: *See—*

Kayane, Yutaka; Sawamoto, Hirokazu; Omura, Takashi; Harada, Naoki; and Takeshita, Akira, 4,843,149, Cl. 534-632.000.

Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, 4,841,032, Cl. 534-642.000.

Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, 4,841,033, Cl. 534-642.000.

Morimitsu, Toshihiko; Harada, Naoki; and Omura, Takashi, 4,879,372, Cl. 534-618.000.

Omura, Takashi; Kikkawa, Sadanobu; Morimitsu, Toshihiko; Harada, Naoki; and Miyamoto, Tetsuya, 4,873,321, Cl. 534-641.000.

Sawamoto, Hirokazu; Omura, Takashi; and Harada, Naoki, 4,841,048, Cl. 544-74.000.

Yokogawa, Kazufumi; Harada, Naoki; and Omura, Takashi, 4,880,431, Cl. 8-549.000.

Harada, Noritake: *See—*

Yoshida, Kouichi; and Harada, Noritake, 4,879,951, Cl. 101-363.000.

Harada, Nozomu: *See—*

Endo, Yukio; and Harada, Nozomu, 4,875,101, Cl. 358-213.190.

Iesaka, Mamoru; Matsunaga, Yoshiyuki; Manabe, Sohei; and Harada, Nozomu, 4,807,037, Cl. 358-213.310.

Harada, Osamu; Kojima, Akio; Ikeda, Souhei; Watanabe, Yoshihisa; and Tsuji, Yoshihisa, to Hitachi, Ltd.; and Hitachi Computer Engineering Co., Ltd. Inspection device for inspecting projections on the surface of parts. 4,803,871, 2-14-89, Cl. 73-104.000.

Harada, Ryoichi: *See—*

Oshizawa, Hidekazu; Harada, Ryoichi; and Okano, Masami, 4,845,420, Cl. 323-222.000.

Harada, Ryuzo; and Take, Shigeo, to Oppama Kogyo Kabushiki Kaisha. Apparatus for confirming and reporting the operating conditions of a chain saw or the like. 4,829,579, 5-9-89, Cl. 381-51.000.

Harada, Saburo; and Fujinaka, Tatsuo, to Mazda Motor Corporation. Assembly line conveyance. 4,869,416, 9-26-89, Cl. 228-4.100.

Harada, Saichi: *See—*

Kabe, Kazuyuki; Takahashi, Ken; Kida, Masashi; and Harada, Saichi, 4,800,941, Cl. 152-531.000.

Harada, Satoshi: *See—*

Watanabe, Koji; Yagi, Michio; Isoguchi, Seiichi; Harada, Satoshi; and Fujita, Masami, 4,827,304, Cl. 354-435.000.

Harada, Seiichi: *See—*

Kozawa, Tadashi; Natsume, Naohiro; Komatsubara, Hirofumi; Takaku, Yasunori; Kato, Kiyoshi; and Harada, Seiichi, 4,854,830, Cl. 417-365.000.

Harada, Setsuo; Ono, Hideo; and Katayama, Nozomi, to Takeda Chemical Industries, Ltd. Biologically active peptides TAN-866. 4,816,559, 3-28-89, Cl. 530-317.000.

Harada, Shigeki: *See—*

Sugimoto, Masahiro; Wakasugi, Yasumasa; and Harada, Shigeki, 4,803,546, Cl. 357-81.000.

Harada, Shigeo, to Sharp Kabushiki Kaisha. Detector of impurities in molten solder. 4,801,203, 1-31-89, Cl. 356-237.000.

Harada, Shigeru; Noguchi, Takeshi; and Mochizuki, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Apperatus for forming a thin film. 4,867,859, 9-19-89, Cl. 204-298.000.

Harada, Shigeyuki; Ohba, Toshihiro; Kanatani, Yoshiharu; and Uede, Hisashi, to Sharp Kabushiki Kaisha. Drive system for a thin-film el panel. 4,866,348, 9-12-89, Cl. 315-169.300.

Harada, Shigeyuki: *See—*

Fujioka, Yoshihide; Shoji, Kazuo; Harada, Shigeyuki; and Ohba, Toshihiro, 4,864,182, Cl. 315-169.300.

Sakamoto, Atsushi; Harada, Shigeyuki; and Ohba, Toshihiro, 4,823,121, Cl. 340-781.000.

Shoji, Kazuo; Fujioka, Yoshihide; Harada, Shigeyuki; and Ohba, Toshihiro, 4,888,523, Cl. 315-169.300.

Harada, Shinji: *See—*

Matsukawa, Hideki; Masuyama, Takeshi; Hirota, Minoru; Wakahata, Yasuo; Itoh, Masahiro; and Harada, Shinji, 4,874,227, Cl. 350-334.000.

Harada, Shintaro; and Shiroshita, Yoshihira, to Aisin Seiki Kabushiki Kaisha. Heat exchanger. 4,815,533, 3-28-89, Cl. 165-159.000.

Harada, Shoichi: *See—*

Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, 4,880,092, Cl. 192-4.00A.

Harada, Shozo: *See—*

Yoshida, Shigeo; Kitagawa, Satoshi; Harada, Shozo; Koide, Tetsuya; and Hasegawa, Manabu, 4,797,319, Cl. 428-312.400.

Harada, Shunichi: *See—*

Kawashima, Kazuhiro; Komoda, Norihisa; Harada, Shunichi; Mitsumori, Sadamichi; and Taniguchi, Kouichi, 4,839,803, Cl. 364-403.000.

Harada, Shunji: *See—*

Nishimoto, Shigeto; Fujimoto, Yoshiki; Inoue, Noriaki; and Harada, Shunji, 4,884,449, Cl. 73-660.000.

Harada, Susumu, to Toshiba Kikai Kabushiki Kaisha. Method and apparatus for controlling injection molding machines. 4,844,847, 7-4-89, Cl. 264-40.500.

Harada, Susumu: *See—*

Kageno, Kenji; Ueda, Toshio; and Harada, Susumu, 4,812,540, Cl. 526-218.100.

Harada, Tadanori: *See—*

Hashimoto, Seiji; and Harada, Tadanori, 4,876,601, Cl. 358-213.260.

Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; Ohmi, Tadahiro; and Harada, Tadanori, 4,847,668, Cl. 357-30.000.

Harada, Tadashi: *See—*

Kondo, Hiroyuki; Harada, Tadashi; and Uchida, Kihachiro, 4,871,331, Cl. 439-736.000.

Harada, Takashi; Hamanaka, Toshiyuki; Hamaguchi, Kunikazu; and Asami, Seiichi, to NGK Insulators, Ltd. Cordierite honeycomb structural body and a method for producing the same. 4,869,9[illegible], 9-26-89, Cl. 428-116.000.

Harada, Takashi: *See—*

Hamaguchi, Kunikazu; Hamanaka, Toshiyuki; Harada, Takashi; and Asami, Seiichi, 4,849,275, Cl. 428-116.000.

Mizutani, Isao; Hijikata, Toshihiko; and Harada, Takashi, 4,840,827, Cl. 428-116.000.

Nakamura, Asumaru; Kusuki, Yoshihiro; and Harada, Takashi, 4,830,640, Cl. 55-158.000.

Harada, Takeshi: *See—*

Shiraki, Hisashi; Nagahisa, Toshio; Takeda, Kiyonori; and Harada, Takeshi, 4,832,853, Cl. 210-781.000.

Harada, Takuji, to Harada Kogyo Kabushiki Kaisha. Cable TV system for guest facilities. 4,802,022, 1-31-89, Cl. 358-349.000.

Harada, Terumaru; Inoda, Kenichi; Fujita, Tatsuo; and Adachi, Kinichi, to Matsushita Electric Industrial Co., Ltd. Reciprocation apparatus with sealing mechanism. 4,870,821, 10-3-89, Cl. 60-520.000.

Harada, Tetsuro: *See—*

Ohya, Seiji; and Harada, Tetsuro, 4,860,497, Cl. 51-98.500.

Harada, Tooru: *See—*

Saito, Yasuaki; and Harada, Tooru, 4,795,991, Cl. 333-181.000.

Harada, Toru; and Sato, Kozo, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent and polymerizable compound. 4,800,148, 1-24-89, Cl. 430-138.000.

Harada, Toru; and Sato, Kozo, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent and polymerizable compound. 4,803,148, 2-7-89, Cl. 430-138.000.

Harada, Toru; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Recording material containing leuco dye. 4,812,440, 3-14-89, Cl. 503-223.000.

Harada, Toru; Saito, Naoki; and Sato, Kozo, to Fuji Photo Film Co., Ltd. Recording material containing leuco dye. 4,839,333, 6-13-89, Cl. 503-218.000.

Harada, Toru: *See—*
  Saito, Naoki; and Harada, Toru, 4,888,322, Cl. 503-215.000.
  Sato, Kozo; and Harada, Toru, 4,864,024, Cl. 544-35.000.

Harada, Toshiaki; and Yamamoto, Tadashi, to Canon Kabushiki Kaisha. Illuminating apparatus and recording apparatus making use of the same. 4,888,635, 12-19-89, Cl. 358-75.000.

Harada, Toshimitsu: *See—*
  Takano, Yasuo; Tokoro, Hiroyoshi; Kobayashi, Junji; Yamada, Masato; Harada, Toshimitsu; and Hosoya, Kensei, 4,796,561, Cl. 118-657.000.

Harada, Tosiharu: *See—*
  Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.

Harada, Toyoo: *See—*
  Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
  Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.

Harada, Tsuneo; Fukuda, Ken-ichi; Shimizu, Hiroshi; Tokuda, Akira; and Oyama, Kiyotaka, to Tosoh Corporation. Method for purifying a dipeptide ester. 4,830,720, 5-16-89, Cl. 204-131.000.

Harada, Tsuneo: *See—*
  Wakamatsu, Hideotoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,835,303, Cl. 560-41.000.
  Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,810,818, Cl. 560-41.000.
  Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Hiyotaka, 4,831,180, Cl. 560-41.000.
  Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,835,301, Cl. 560-41.000.

Harada, Tsutomu; and Okamura, Yasushi, to Matsushita Electric Industrial Co., Ltd. Magnetic disk drive apparatus. 4,873,596, 10-10-89, Cl. 360-99.110.

Harada, Twao: *See—*
  Takahashi, Fumio; Nagaoka, Yukio; and Harada, Twao, 4,816,993, Cl. 364-200.000.

Harada, Yasuhiro; Nobumoto, Kazutoshi; Nishimura, Eizi; and Onaka, Toru, to Mazda Motor Corporation. Vehicle slip control apparatus. 4,884,651, 12-5-89, Cl. 180-197.000.

Harada, Yoshihara: *See—*
  Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshihara, 4,875,665, Cl. 267-170.000.

Harada, Yoshiharu; Taga, Yutaka; Fukumura, Kagenori; Hayakawa, Yoichi; and Kawai, Masao, to Toyota Jidosha Kabushiki Kaisha; and Aisin-Warner Kabushiki Kaisha. Apparatus for controlling lock-up clutch in automatic transmission system having main transmission and sub-transmission. 4,858,500, 8-22-89, Cl. 74-866.000.

Harada, Yoshihito; Kiuchi, Masayoshi; Kobayashi, Ryuichi; and Kawamura, Masaharu, to Canon Kabushiki Kaisha. Camera. 4,868,598, 9-19-89, Cl. 354-472.000.

Harada, Yoshihito: *See—*
  Amano, Kenichiro; Kiuchi, Masayoshi; Harada, Yoshihito; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,849,780, Cl. 354-289.120.
  Kawamura, Masaharu; Harada, Yoshihito; Kobayashi, Ryuichi; Suzuki, Masayuki; Ohara, Tsunemasa; and Tosaka, Yoichi, 4,799,074, Cl. 354-173.100.
  Kobayashi, Ryuichi; Harada, Yoshihito; Kawamura, Masaharu; Kataoka, Hiroyuki; and Kumakura, Toshiyuki, 4,806,963, Cl. 354-415.000.

Harada, Yoshinori: *See—*
  Tamotu, Simada; Kambara, Hideki; Harada, Yoshinori; Watanabe, Kenichi; and Tokita, Jiro, 4,830,830, Cl. 422-71.000.

Harada, Yoshio: *See—*
  Yagi, Hiroshi; Fujita, Hisashi; Harada, Yoshio; and Takahashi, Kenichi, 4,881,319, Cl. 29-840.000.

Harada, Yoshiyasu: *See—*
  Mori, Nobufumi; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,801,801, Cl. 250-327.200.
  Mori, Nobufumi; Katoh, Takayuki; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,810,886, Cl. 250-311.000.
  Mori, Nobufumi; Katoh, Takayuki; Oikawa, Tetsuo; Harada, Yoshiyasu; and Miyahara, Junji, 4,873,440, Cl. 250-327.200.

Harada, Yuhzoh: *See—*
  Ishii, Yoh; Abe, Masami; Harada, Yuhzoh; Takasugi, Atsumi; and Kato, Kazumi, 4,875,519, Cl. 164-465.000.

Harada, Yuichi; and Kumazawa, Hajime, to Brother Kogyo Kabushiki Kaisha. Character erasable printing apparatus including selective erasing of variable length underline. 4,818,130, 4-4-89, Cl. 400-697.000.

Harada, Yuichi, to Brother Kogyo Kabushiki Kaisha. Typewriter. 4,871,274, 10-3-89, Cl. 400-697.100.

Harada, Yukihiko; Nakagawa, Tatsushi; Kanesaka, Junichiro; and Kaneshige, Yousuke, to Tosoh Corporation. Laminated article from molding compositions of a chlorosulfonated polyolefin and a fluorine-containing elastomer. 4,840,849, 6-20-89, Cl. 428-419.000.

Harada, Yutaka; Goto, Eiichi; Kawabe, Ushio; Miyamoto, Nobuo; Nakane, Hideaki; and Hatano, Mutsuko, to Hitachi, Ltd.; and Rikagaku Kenkyusko. Superconducting current detecting circuit employing DC flux parametron circuit. 4,866,373, 9-12-89, Cl. 324-127.000.

Harada, Yutaka; Yano, Shinichiro; Miyake, Mutsuko; Kawabe, Ushio; and Nishino, Toshikazu, to Hitachi, Ltd. Superconducting device. 4,888,629, 12-19-89, Cl. 357-5.000.

Harada, Yutaka: *See—*
  Goto, Eiichi; and Harada, Yutaka, 4,851,776, Cl. 324-248.000.
  Nishino, Toshikazu; Miyake, Mutsuko; Kawabe, Ushio; Harada, Yutaka; Aoki, Masaaki; and Hirano, Mikio, 4,884,111, Cl. 357-05.000.

Harada, Zenji; Teraoka, Osamu; and Mikado, Tsuneo. Picture processing system for selective display. 4,802,019, 1-31-89, Cl. 358-335.000.

Haraden, Thomas, to GTE Products Corporation. Headlamp assembly. 4,868,722, 9-19-89, Cl. 362-80.000.

Haraf, John C.: *See—*
  Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens, George T.; and Marsh, Richard A., 4,828,082, Cl. 192-3.300.

Haraga, Hideaki: *See—*
  Sakamoto, Eiichi; Kaneko, Yutaka; Ninomiya, Hidetaka; Kamio, Takashi; Ezaki, Atsuo; Akamatsu, Hideo; and Haraga, Hideaki, 4,871,658, Cl. 430-551.000.

Haragashira, Motoji, to Kabushiki Kaisha Toshiba. Automatic impedance adjuster for MRI system. 4,882,541, 11-21-89, Cl. 324-322.000.

Haragashira, Motoji, to Kabushiki Kaisha Toshiba. Automatic impedance adjuster for MRI system. 4,890,062, 12-26-89, Cl. 324-322.000.

Haragashira, Motoji, to Kabushiki Kaisha Toshiba. Probe coil system for magnetic resonance apparatus. 4,890,063, 12-26-89, Cl. 324-322.000.

Haraguchi, Eiji: *See—*
  Furukawa, Yosio; Yasaka, Yasuhiro; Nagura, Osamu; Haraguchi, Eiji; Nakagawa, Hiroto; and Oono, Yasuteru, 4,870,339, Cl. 322-29.000.
  Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.
  Kuwabara, Takao; Bando, Akira; Haraguchi, Eiji; and Nakagawa, Hiroto, 4,823,018, Cl. 290-7.000.

Haraguchi, Hideaki: *See—*
  Araki, Masakatsu; Haraguchi, Hideaki; Tsujimura, Shinichiro; and Iwanaga, Kouichi, 4,825,546, Cl. [illegible]0-201.000.

Haraguchi, Hiroshi: *See—*
  Kambayashi, Makoto; Nakatani, Kensuke; Ozaki, Kazuaki; Tomida, Masahito; Haraguchi, Hiroshi; and Hamamatsu, Takeo, 4,887,349, Cl. 29-623.500.

Haraguchi, Kazuo: *See—*
  Maeda, Hiromu; Haraguchi, Kazuo; and Ohbuchi, Yasutsugu, 4,860,882, Cl. 198-458.000.
  Sato, Yasuhiro; and Haraguchi, Kazuo, 4,840,265, Cl. 198-446.000.

Haraguchi, Kazutoshi; Tanigawa, Eiji; Nukina, Kenji; Morita, Hiroaki; and Maeda, Toyohiro, to Osaka Gas Co., Ltd.; and Dainippon Ink and Chemicals Inc. Process for preparing carbon fibers elliptical in section. 4,859,382, 8-22-89, Cl. 264-29.200.

Haraguchi, Kazutoshi: *See—*
  Morita, Hiroaki; Haraguchi, Kazutoshi; and Tanigawa, Eiji, 4,859,381, Cl. 264-29.200.

Haraguchi, Noriyasu: *See—*
  Seki, Yukuharu; and Haraguchi, Noriyasu, 4,889,580, Cl. 156-382.000.

Haraguchi, Shosuke; Fukahori, Hidehiko; and Ishikawa, Masanori, to Canon Kabushiki Kaisha. Single-lens reflex camera. 4,827,296, 5-2-89, Cl. 354-187.000.

Haragushi, Tamotsu, to Teac Corporation. System for discriminating between two tape assemblies of different recording characteristics to be loaded interchangeably in data transfer apparatus. 4,841,490, 6-27-89, Cl. 360-69.000.

Haraichi, Satoshi: *See—*
  Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, 4,868,068, Cl. 428-596.000.

Harak, Arnold E.: *See—*
  Westhoff, James D.; and Harak, Arnold E., 4,880,528, Cl. 208-409.000.

Harakas, Nicholaos K.: *See—*
  Schaumann, Jon P.; Olander, Jitka V.; Harakas, Nicholaos K.; and Feder, Joseph, 4,833,085, Cl. 435-240.270.

Harakawa, Takeshi: *See—*
  Nakayashiki, Susumu; Kashio, Jiro; and Harakawa, Takeshi, 4,815,069, Cl. 370-16.000.
  Nakayashiki, Susumu; Kashio, Jiro; and Harakawa, Takeshi, 4,887,256, Cl. 370-16.000.

Harakawa, Yoshiaki: *See—*
  Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.

Harakawa, Yoshihiro; Izawa, Koji; Takeuchi, Hidemitsu; Nakamura, Shinji; and Toita, Sadamu, to Nitsuko Corporation. Solid electrolytic capacitor, and method of manufacturing same. 4,805,074, 2-14-89, Cl. 361-525.000.

Harald, Schneider; Mayer, Helmut; and Hafner, Hans W., to Pfister GmbH. Method and apparatus for determining moments acting upon an object under measurement. 4,843,873, 7-4-89, Cl. 73-147.000.

Haralson, David G.: *See—*
  Wallentine, Patricia J.; Baciak, Mark G.; Carreras, Richard A.; Coates, Elinor L.; and Haralson, David G., 4,831,246, Cl. 250-20.00J.

Haralson, Katherine. Emergency car call kit. 4,876,812, 10-31-89, Cl. 40-592.000.

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Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Production of ethers from olefins. 4,814,519, 3-21-89, Cl. 568-697.000.

Harandi, Mohsen N., to Mobil Oil Corporation. Etherification process improvement. 4,820,877, 4-11-89, Cl. 568-697.000.

Harandi, Mohsen N.; Owen, Hartley; and Siuta, Michael T., to Mobil Oil Corporation. Hydrocarbon product stripping. 4,822,480, 4-18-89, Cl. 208-212.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Integrated etherification and oxygenates to gasoline process. 4,826,507, 5-2-89, Cl. 44-77.000.

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Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Extraction of crude methanol and conversion of raffinate. 4,827,046, 5-2-89, Cl. 568-697.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Production of liquid hydrocarbon and ether mixtures. 4,830,635, 5-16-89, Cl. 44-56.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Production of ethers from methanol. 4,831,195, 5-16-89, Cl. 568-697.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Process for producing high octane gasoline. 4,835,329, 5-30-89, Cl. 585-415.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Conversion of alkanes to alkylenes in an external catalyst cooler for the regenerator of a FCC unit. 4,840,928, 6-20-89, Cl. 502-41.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Alkanes and alkenes conversion to high octane gasoline. 4,851,602, 7-25-89, Cl. 585-322.000.

Harandi, Mohsen N., to Mobil Oil Corporation. Lube catalytic dewaxing-hydrotreating process. 4,853,103, 8-1-89, Cl. 208-58.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Aromatization and etherification process integration. 4,854,939, 8-8-89, Cl. 44-77.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Process for combining the operation of oligomerization reactors containing a zeolite oligomerization catalyst. 4,855,524, 8-8-89, Cl. 585-517.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. System for conversion of crude oxygenate to gasoline with feedstock extraction. 4,857,667, 8-15-89, Cl. 585-403.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Two-stage process for conversion of alkanes to gasoline. 4,859,308, 8-22-89, Cl. 208-49.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Process for hydrotreating olefinic distillate. 4,864,067, 9-5-89, Cl. 585-254.000.

Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Catalyst regeneration with flue gas. 4,867,950, 9-19-89, Cl. 422-190.000.

Harandi, Mohsen N.; and Owen, Hartley. Single zone oligomerization of olefins in a super-dense phase turbulent fluid bed. 4,877,921, 10-31-89, Cl. 585-533.000.

Harandi, Mohsen N., to Mobil Oil Corporation. Conversion of alkanes to gasoline. 4,879,424, 11-7-89, Cl. 585-322.000.

Harandi, Mohsen N.; and Owen, Hartley. Upgrading lower olefins. 4,879,428, 11-7-89, Cl. 585-533.000.

Harandi, Mohsen N.; and Owen, Hartley. Multistage reactor system for production of fuels. 4,885,421, 12-5-89, Cl. 585-403.000.

Harandi, Mohsen N. Olefins interconversion and etherification process. 4,886,925, 12-12-89, Cl. 585-331.000.

Harandi, Mohsen N.: *See—*
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Haranoya, Tomoji; and Iwamoto, Shigeki, to Toyo Denshoku Kabushiki Kaisha. Flocked yarn and method for manufacturing. 4,886,693, 12-12-89, Cl. 428-90.000.

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  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,852,905, Cl. 280-707.000.
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  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,815, Cl. 280-707.000.

Haras, William S. Beachfront wave energy dissipation structure. 4,856,935, 8-15-89, Cl. 405-35.000.

Harasaki, Hayatsugu, to Mazda Motor Corporation. Arrangements for forming rear partial structures of vehicle body constructions. 4,799,730, 1-24-89, Cl. 296-195.000.

Harasaki, Hidenobu; Tamitani, Ichiro; and Endo, Yukio, to NEC Corporation. Real-time video signal processing device capable of typically executing interframe coding. 4,797,740, 1-10-89, Cl. 358-136.000.

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Harase, Jiro; Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, to Nippon Steel Corporation. Process for producing a grain-oriented electromagnetic steel sheet having a high magnetic flux density. 4,806,176, 2-21-89, Cl. 148-111.000.

Harase, Toshikatsu; and Masuda, Akira, to Fuji Photo Film Co., Ltd.; and Sony Corporation. Camera for shooting movie and still picture. 4,829,383, 5-9-89, Cl. 358-229.000.

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Harasin, Stephen J.; Hurley, Michael F.; Kelly, Timothy J.; Naleppa, Kenneth J.; Nodelman, Neil H.; Schumacher, Donald W.; Slocum, Gregory H.; and Sounik, David F., to Mobay Corporation. Process for the production of molded products using internal mold release agents. 4,868,224, 9-19-89, Cl. 521-124.000.

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Haraveth, Garry R.; Catterfeld, Robert J.; and Trasen, Benjamin, to Pall Corporation. Filter assembly of a manifold, mounting ring and filter housing. 4,880,536, 11-14-89, Cl. 210-232.000.
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Harbeke, Guenther; and Jastrzebski, Lubomir L., to General Electric Company. Determination of substrate temperature used during oxygen implantation of SIMOX wafer. 4,805,187, 2-14-89, Cl. 374-123.000.
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Harben, Grover S., Jr., deceased (by Harben, Grover S., III, executor), to Centennial Machine Company, Inc. Fowl scalding apparatus and method. 4,868,950, 9-26-89, Cl. 17-11.200.
Harben, Grover S., III, to Centennial Machine Company, Inc. Gizzard peeling apparatus. 4,799,292, 1-24-89, Cl. 17-11.000.
Harben, Grover S., III; and Clark, Leonard G. Vent cleaning apparatus and method for poultry. 4,876,767, 10-31-89, Cl. 17-11.000.
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Harbers, H. C., to Escorp, Inc. Menu device. 4,808,805, 2-28-89, Cl. 235-490.000.
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Harbers, H. C., Jr., to Escorp, Inc. Manually actuable, machine readable menu card with rib controlled bubbles. 4,889,981, 12-26-89, Cl. 235-490.000.
Harberts, Aljet; Heimerl, Josef; and Ranke, Horst, to Leybold-Heraeus GmbH. Apparatus for the melting of metals. 4,839,904, 6-13-89, Cl. 373-10.000.
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  Higa, Tatsuo; Sakemi, Shinichi; and Cross, Sue S., 4,808,590, Cl. 514-272.000.
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Hardee, Harry C.; Hills, Richard G.; and Striker, Richard P., to United States of America, Energy. Down hole periodic seismic generator. 4,805,727, 2-21-89, Cl. 181-106.000.
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  Bhadra, Dilip K.; Creedon, Richard L.; and Harder, C. Ross, 4,840,112, Cl. 91-459.000.

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Hardiman, Christopher J.; and Bowers, Gary R., to Monsanto Company. Allyloxy activated surface coatings. 4,810,757, 3-7-89, Cl. 525-306.000.
Hardiman, Christopher J., to Monsanto Company. Allyloxy activated surface coatings. 4,826,923, 5-2-89, Cl. 525-306.000.
Hardiman, Christopher J., to Monsanto Company. Stabilized metal drier. 4,839,325, 6-13-89, Cl. 502-170.000.
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Hardin, Elizabeth V. Counter-mounted splash guard, and methods of constructing and utilizing same. 4,878,257, 11-7-89, Cl. 4-658.000.
Hardin, Grant W. Ram-rod cleaning rod device for black powder firearms. 4,858,360, 8-22-89, Cl. 42-95.000.
Hardin, Philip J. Axially oscillating ink distributing roller having a unitary rocker follower. 4,833,987, 5-30-89, Cl. 101-348.000.
Hardin, William F., Sr.; and Mack, William M., Jr., to E.S.P. Systems, Inc. Computerized handwriting duplication system. 4,817,034, 3-28-89, Cl. 364-900.000.
Harding, Ade'yemi S. K. Packaging arrangement for energy dissipating devices. 4,829,403, 5-9-89, Cl. 361-386.000.
Harding, Ade'yemi S. K. Unitized packaging arrangement for an energy dissipating device. 4,831,495, 5-16-89, Cl. 361-386.000.
Harding, Ade'yemi S. K. Preformed packaging arrangement for energy dissipating devices. 4,855,868, 8-8-89, Cl. 361-386.000.
Harding, Charles T.: *See—*
  Sadler, Peter J.; Harding, Charles T.; Kelly, James D.; and McEwen, Andrew B., 4,880,007, Cl. 128-653.000.
Harding, Claude J. Tamper resistant container. 4,804,096, 2-14-89, Cl. 215-228.000.
Harding, Claude J. Tamper indicator. 4,872,570, 10-10-89, Cl. 215-230.000.
Harding, Geoffrey; Kosanetzky, Josef-Maria; and Neitzel, Ulrich, to U.S. Philips Corporation. Two-dimensional compton profile imaging method. 4,850,002, 7-18-89, Cl. 378-87.000.
Harding, Geoffrey; and Kosanetzky, Josef-Maria, to U.S. Philips Corporation. Method and device for determining the spatial distribution of chemicals in an object. 4,887,285, 12-12-89, Cl. 378-88.000.
Harding, George W., to Poly-John Enterprises Corp. Portable toilet cabana. 4,831,671, 5-23-89, Cl. 4-460.000.
Harding, Joseph J., to Caterpillar Industrial Inc. Apparatus and method for detecting faults in an obstacle detection system. 4,823,901, 4-25-89, Cl. 180-167.000.
Harding, Kevin G., to Industrial Technology Institute. Off-axis high accuracy structured light profiler. 4,875,777, 10-24-89, Cl. 356-376.000.
Harding, Kevin G.: *See—*
  Boehnlein, Albert J.; and Harding, Kevin G., 4,880,991, Cl. 250-560.000.
Harding, Michael V.: *See—*
  Bennett, Christopher J.; Harding, Michael V.; and Moroney, Paul, 4,864,615, Cl. 380-21.000.
Harding, Norman B.: *See—*
  Brinkley, Max D.; Harding, Norman B.; and Licence, Richard J., 4,805,684, Cl. 157-13.000.
Harding, Norman T., Jr. Rodent repellent powders. 4,795,637, 1-3-89, Cl. 424-195.100.
Harding, Robert L.: *See—*
  Hersberger, Jill G.; Bell, Myron H.; Harding, Robert L.; and Spadafora, Peter J., 4,885,710, Cl. 364-565.000.
  Spadafora, Peter J.; Hersberger, Jill G.; Bell, Myron H.; and Harding, Robert L., 4,799,178, Cl. 364-565.000.
Harding, Ronald E.: *See—*
  Brush, George W.; Strickland, Lee T.; Hon, David C.; Harding, Ronald E.; and Sallis, Jane, 4,867,685, Cl. 434-234.000.
Harding, Stephen S.: *See—*
  Haloeisen, Richard A.; Harding, Stephen S.; and Sebrosky, Robert A., 4,867,059, Cl. 101-93.290.
Hardinge Brothers, Inc.: *See—*
  Brown, Ivan R., deceased; Walburn, Harold E.; and Patel, Jayesh B., 4,829,861, Cl. 82-142.000.
  Terwilliger, Donald N.; and Knox, Richard C., 4,858,938, Cl. 279-57.000.
Hardison, Philip M. Archers arrow with chemical light source. 4,856,792, 8-15-89, Cl. 273-416.000.
Hardiwidjaja, Steven: *See—*
  Terasaki, Paul I.; Loon, Jimmy; Hardiwidjaja, Steven; and El-Awar, Nadim, 4,797,475, Cl. 530-387.000.
Hardman, Harley F.: *See—*
  Grasselli, Robert K.; Miller, Arthur F.; and Hardman, Harley F., 4,863,891, Cl. 502-306.000.
  Pedersen, S. Erik; Callahan, James L.; and Hardman, Harley F., 4,864,057, Cl. 560-214.000.
Hardouin, Jean-Pierre, to Alcan International Limited. Extrusion dies. 4,862,728, 9-5-89, Cl. 72-467.000.
Hardt, Ivan E.: *See—*
  Pyatt, Roger A.; Hardt, Ivan E.; and Bonebright, Cynthia A., 4,807,248, Cl. 375-1.000.
Hardt, Thomas: *See—*
  Wagner, Wolf-Dietrich; Klumpp, Rolf; and Hardt, Thomas, 4,823,747, Cl. 123-193.00H.
Hardt, Walter: *See—*
  Moeckl, Ernst; Stumpf, Jorg; Hardt, Walter; and Doinghaus, Hermann, 4,875,418, Cl. 108-50.000.
Hardt, William G. Outer wall structure for buildings. 4,811,536, 3-14-89, Cl. 52-250.000.
Hardtmann, Goetz E.: *See—*
  Chen, Kau-Ming; Hardtmann, Goetz E.; Kapa, Prasad K.; Lee, George T.; Linder, Jerome; and Wattanasin, Sompong, 4,870,199, Cl. 556-437.000.
Hardwick, Roy, to Imperial Chemical Industries PLC. Joining metal tubes in a liquid environment. 4,860,656, 8-29-89, Cl. 102-312.000.
Hardwick, Roy, to Imperial Chemical Industries PLC. Explosive expansion of metal tubes. 4,879,890, 11-14-89, Cl. 72-62.000.
Hardwick, Roy, to Imperial Chemical Industries PLC. Method of making explosively bunded multi-laminar composite metal plate. 4,887,761, 12-19-89, Cl. 228-107.000.
Hardwick, Steven F.; and Warren, Joseph V., Jr. Torch positioning apparatus. 4,795,882, 1-3-89, Cl. 219-124.020.
Hardwicke, Carl S.; Leffel, Howard R., Jr.; and Spatoulas, George S., to Farley, Inc. Elevated floor plate. 4,825,603, 5-2-89, Cl. 52-126.600.
Hardy, Arthur H.: *See—*
  Gardner, Leland V.; and Hardy, Arthur H., 4,824,245, Cl. 356-141.000.
Hardy, Bryant J.; and Swartz, Charles J., to Conoco Inc. Stable extreme pressure grease. 4,842,752, 6-27-89, Cl. 252-17.000.
Hardy, Charles T.: *See—*
  Chase, John G.; and Hardy, Charles T., 4,870,311, Cl. 310-232.000.
Hardy, Christopher J.: *See—*
  Bottomley, Paul A.; Hardy, Christopher J.; O'Donnell, Matthew; and Roemer, Peter B., 4,812,760, Cl. 324-309.000.
Hardy, Colin; Martin, Tony R.; Czyzewski, Jerzy; and Levin, Daniel, to Imperial Chemical Industries PLC. Chemical process. 4,845,285, 7-4-89, Cl. 564-97.000.
Hardy, Colin C.: *See—*
  Felix, Michael C.; Taylor, Nicola S.; and Hardy, Colin C., 4,871,412, Cl. 156-273.900.
Hardy, Donald J. Methods and apparatus for inserting objects within balloons. 4,878,335, 11-7-89, Cl. 53-434.000.
Hardy, Douglas A.: *See—*
  Kamas, Peter; Hardy, Douglas A.; and Emmett, David M., 4,804,979, Cl. 346-157.000.
Hardy, Dwayne: *See—*
  Aniuk, Lawrence M.; Dieck, Ronald L.; and Hardy, Dwayne, 4,883,699, Cl. 428-36.900.
Hardy, Dwayne E., to Menlo Care, Inc. Kink resistant catheter. 4,840,622, 6-20-89, Cl. 604-264.000.
Hardy, Frederick E.; and Walley, Darlene R., to Procter & Gamble Company, The. Stable biodegradable fabric softening compositions containing 2-hydroxypropyl monoester quaternized ammonium salts. 4,840,738, 6-20-89, Cl. 252-8.600.
Hardy, Frederick E.; Cselik, Frank; Pretty, Alastair J.; Young, Kenneth; and Scott, Gerald, to Procter & Gamble Company, The. Bleach activator compositions containing an antioxidant. 4,853,143, 8-1-89, Cl. 252-102.000.
Hardy, Frederick E.: *See—*
  Burns, Michael E.; and Hardy, Frederick E., 4,852,989, Cl. 8-107.000.
Hardy, Gerald D.; Hoffman, John P.; and Kendrick, Larry E., to Caterpillar Inc. Apparatus for selectively positioning movable work

element with preselected maximum velocity control. 4,852,657, 8-1-89, Cl. 172-2.000.

- Hardy, James A., to Allied-Signal Inc. Diesel engine particulate trap regeneration system. 4,835,963, 6-6-89, Cl. 60-274.000.
- Hardy, Jonathan: *See—*
  - Hardy, Richard; Hardy, Jonathan; Kornell, Thomas J.; and Tallquist, Kenneth M., 4,802,639, Cl. 244-2.000.
- Hardy, Judy; and Wallington, Kenneth, to Raychem Limited. Article for protecting a substrate. 4,875,870, 10-24-89, Cl. 439-204.000.
- Hardy, L. Charles: *See—*
  - Melville, Judith B.; Hardy, L. Charles; and Young, David A., 4,863,888, Cl. 502-207.000.
- Hardy, Loren S.: *See—*
  - Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 4,886,230, Cl. 248-170.000.
- Hardy, Mark A.: *See—*
  - Reemtsma, Keith; Hardy, Mark A.; and Lau, Henry T., 4,861,704, Cl. 435-1.000.
- Hardy, Nicolas, to Solvay & Cie (Societe Anonyme). Process for the manufacture of polyacetals. 4,806,622, 2-21-89, Cl. 528-249.000.
- Hardy, Peter D., to Metal Box plc. Closing plastics containers. 4,838,008, 6-13-89, Cl. 53-407.000.
- Hardy, Raymond D.; and Greenslade, Joe E. Mechanical property testing machine. 4,864,866, 9-12-89, Cl. 73-831.000.
- Hardy, Richard; Hardy, Jonathan; Kornell, Thomas J.; and Tallquist, Kenneth M., to Boeing Company, The. Horizontal-takeoff transatmospheric launch system. 4,802,639, 2-7-89, Cl. 244-2.000.
- Hardy, Richard, and Neumann, Frank D., to Boeing Company, The. Method of providing rapid conversion of an aircraft weapon carriage. 4,802,641, 2-7-89, Cl. 244-137.400.
- Hardy, Robert M., to General Electric Company. Register-stack apparatus. 4,800,491, 1-24-89, Cl. 364-200.000.
- Hardy, Samuel F. Light fitting support member. 4,862,332, 8-29-89, Cl. 362-145.000.
- Hardy, Stephen N., to American Greetings Corporation. Divider for merchandise display. 4,796,764, 1-10-89, Cl. 211-184.000.
- Hardy, Steven; and Joyce, Robert H., to Tecknowledge, Inc. Basic expert system tool. 4,803,641, 2-7-89, Cl. 364-513.000.
- Hardy, Thomas A.; and Walsh, Edward N., to Akzo America Inc. Phosphonate containing phosphonates. 4,808,744, 2-28-89, Cl. 558-163.000.
- Hardy, Thomas A.; and Walsh, Edward N., to Akzo America Inc. Phosphate-containing and phosphonate-containing phosphate esters. 4,820,854, 4-11-89, Cl. 558-119.000.
- Hardy, Thomas A.; and Walsh, Edward N., to Akzo America Inc. Phosphate and phosphonate compounds. 4,883,891, 11-28-89, Cl. 558-161.000.
- Hardy, Thomas A.; and Walsh, Edward N., to Akzo America Inc. Phosphate and phosphonate compounds. 4,883,892, 11-28-89, Cl. 558-164.000.
- Hardy, Thomas A.; and Walsh, Edward N., to Akzo America Inc. Phosphate-containing and phosphonate-containing phosphate esters. 4,886,895, 12-12-89, Cl. 558-161.000.
- Hare, Pamela H., to Dentsply Research & Development Corp. Chain extended urethane diacrylate and dental impression formation. 4,813,875, 3-21-89, Cl. 433-214.000.
- Hare, Pamela H.; and Jefferies, Steven R., to Dentsply Research & Development Corp. Wound dressing membrane. 4,846,165, 7-11-89, Cl. 128-156.000.
- Hare, Pamela H.; Hare, Robert V.; and Hammesfahr, Paul D., to Dentsply Research & Development Corp. Pre-loaded dental impression package and method of making. 4,867,680, 9-19-89, Cl. 433-37.000.
- Hare, Robert V.: *See—*
  - Hare, Pamela H.; Hare, Robert V.; and Hammesfahr, Paul D., 4,867,680, Cl. 433-37.000.
- Harel, David: *See—*
  - Drusinsky, Doron; and Harel, David, 4,799,141, Cl. 364-141.000.
- Harel, Joseph: *See—*
  - Keidar, Itzhak; Dromi, Asher; Tilman, Menahem; and Harel, Joseph, 4,886,161, Cl. 206-246.000.
- Harendza-Harinxma, Alfred J. Ointment and method for treating skin lesions due to herpes virus. 4,847,283, 7-11-89, Cl. 514-415.000.
- Hareng, Michel: *See—*
  - Le Pesant, Jean-Pierre; Hareng, Michel; Huignard, Jean-Pierre; Herriau, Jean-Pierre; Mourey, Bruno; and Perbet, Jean-Noel, 4,818,052, Cl. 350-96.150.
  - Perbet, Jean N.; Hareng, Michel; and Mourey, Bruno, 4,824,216, Cl. 350-346.000.
- Harenslak, Gerd: *See—*
  - Russell, Paul F.; Doering, Egon L.; Segerstrom, Clifford C.; Stil, Jacob H.; Harenslak, Gerd; and van Kessel, Matheus M., 4,836,146, Cl. 122-379.000.
- Hareyama, Kisichiro; and Hareyama, Shokichi, to Kabushiki Kaisha Hareyama Giken. Internal combustion engine. 4,846,125, 7-11-89, Cl. 123-292.000.
- Hareyama, Kisichiro; and Hareyama, Shokichi, to Kabushiki Kaisha Hareyama Giken. Internal combustion engine. 4,854,281, 8-8-89, Cl. 123-292.000.
- Hareyama, Shokichi: *See—*
  - Hareyama, Kisichiro; and Hareyama, Shokichi, 4,846,125, Cl. 123-292.000.
  - Hareyama, Kisichiro; and Hareyama, Shokichi, 4,854,281, Cl. 123-292.000.
- Harfield, John G.: *See—*
  - Dunstan, Harvey J.; Harfield, John G.; Knight, Paul; and Podgorney, Harvey J., 4,797,624, Cl. 328-114.000.
- Harford, Jack R. Power line surge suppressor. 4,870,528, 9-26-89, Cl. 361-56.000.
- Harford, Jack R. Power line surge suppressor. 4,870,534, 9-26-89, Cl. 361-58.000.
- Harfst, Michael D., to Blount, Inc. Chain link with folded over connecting portions. 4,813,323, 3-21-89, Cl. 83-830.000.
- Harfst, Michael D., to Blount, Inc. Saw chain with wear link. 4,873,903, 10-17-89, Cl. 83-830.000.
- Hargarten, James W.; and Samson, Allan L., to Micro Motion, Inc. Auto zero circuit for flow meter. 4,817,448, 4-4-89, Cl. 73-861.380.
- Hargasser, Hans; and Dathe, Joachim, to Siemens Aktiengesellschaft. Component for surface mounting and method for fastening a component for surface mounting. 4,864,471, 9-5-89, Cl. 361-417.000.
- Hargest, Thomas S. Pollution control apparatus for marine fuel tanks. 4,854,469, 8-8-89, Cl. 220-86.00R.
- Hargett, Dan, Sr. Composite fiberglass and metal boat. 4,821,667, 4-18-89, Cl. 114-355.000.
- Hargett, Wyatt P., Jr.: *See—*
  - Floyd, Terry S.; and Hargett, Wyatt P., Jr., 4,877,624, Cl. 426-241.000.
- Hargis, Charles W. Auxiliary light module for vehicles. 4,857,807, 8-15-89, Cl. 315-77.000.
- Hargis, Colin: *See—*
  - Roberts, Ian A.; and Hargis, Colin, 4,812,751, Cl. 324-546.000.
- Hargis, Duane C., to Ethyl Corporation. Gem cyclodialkylation of amines and amides. 4,798,894, 1-17-89, Cl. 544-277.000.
- Hargrave, Maxine: *See—*
  - Mai, M. Jane; and Hargrave, Maxine, 4,839,929, Cl. 4-254.000.
- Hargreave, Francis M. Volleyball technique trainer. 4,881,742, 11-21-89, Cl. 273-413.000.
- Hargreaves, Brian: *See—*
  - Cross, Geoffrey; and Hargreaves, Brian, 4,825,154, Cl. 324-127.000.
- Hargreaves, Karl M. Cycle stop-light switches and stop-light equipment. 4,821,020, 4-11-89, Cl. 340-432.000.
- Hargreaves, Rodney B.; McLoughlin, Bernard J.; and Mills, Stuart D., to Imperial Chemical Industries plc. 1,4-dihydropyridines substituted by 3-aryloxy-2-hydroxypropyl amino moiety in the 4-phenyl group. 4,873,254, 10-10-89, Cl. 514-356.000.
- Hargreaves, Thomas E.; and Hanson, Donald W., to Lake Region Manufacturing Company, Inc. Guide wire handle. 4,799,496, 1-24-89, Cl. 128-772.000.
- Hargreaves, William P., to TriQuint Semiconductor, Inc. Method and apparatus for removably attaching semiconductor packages to circuit boards. 4,799,89[illegible], 1-24-89, Cl. 439-72.000.
- Hargreaves, William R., to BioTope, Inc. Methods for conducting specific binding assays. 4,868,130, 9-19-89, Cl. 436-526.000.
- Hargrove, Homer G.; and Silvestri, George J., Jr., to Westinghouse Electric Corp. Moisture separator for steam turbine exhaust. 4,803,841, 2-14-89, Cl. 60-657.000.
- Hargrove, Homer G.; and Kratz, Jay L., to Westinghouse Electric Corp. Process for restricted lead content soldering of copper with controlled copper contamination of the molten solder reservoir. 4,817,857, 4-4-89, Cl. 228-183.000.
- Hargrove, Homer G.: *See—*
  - Silvestri, George J., Jr.; and Hargrove, Homer G., 4,811,566, Cl. 60-646.000.
- Hargrove, J. Lloyd: *See—*
  - Shaw, Brian; and Hargrove, J. Lloyd, 4,864,297, Cl. 340-902.000.
- Hargrove, James L.; Lillie, Lloyd D.; and Whittaker, Arthur T., to Lillie, Lloyd D.; and Whittaker, Arthur T. Wrist-mounted vital functions monitor and emergency locator. 4,819,860, 4-11-89, Cl. 228-668.000.
- Hargrove, R. Steven: *See—*
  - Early, James T.; and Hargrove, R. Steven, 4,886,776, Cl. 505-1.000.
- Hargus, Phillip M.; Mula, Joseph A.; and Redden, Myron K., to Swiss Aluminium, Ltd. Process for forming a ceramic foam. 4,866,011, 9-12-89, Cl. 501-82.000.
- Harhausen, Ekkehard: *See—*
  - Rontgen-Odenthal, Renate; Durr, Manfred; and Harhausen, Ekkehard, 4,828,844, Cl. 424-489.000.
- Harhausen, Ekkerhard: *See—*
  - Durr, Manfred; Fribolin, Hans U.; Harhausen, Ekkerhard; and Seidel, Jurgen, 4,842,865, Cl. 424-456.000.
- Harhigh, Robert N.: *See—*
  - Herschitz, Roman; Bogorad, Alexander; and Harhigh, Robert N., 4,876,430, Cl. 219-110.000.
- Hari, Laszlo: *See—*
  - Tari, Gabor; and Hari, Laszlo, 4,858,903, Cl. 269-328.000.
- Harigai, Hisao: *See—*
  - Iwasaki, Junichi; and Harigai, Hisao, 4,879,646, Cl. 364-200.000.
- Harigaya, Isao; and Kozuki, Susumu, to Canon Kabushiki Kaisha. Device for controlling reel driving motor. 4,817,887, 4-4-89, Cl. 242-186.000.
- Harigaya, Makoko: *See—*
  - Kobayashi, Hiroshi; Machida, Haruhiko; Harigaya, Makoko; Ide, Yasushi; and Akedo, Jun, 4,855,256, Cl. 437-129.000.
- Harigaya, Makoto: *See—*
  - Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; Akedo, Jun; Harigaya, Makoto; and Ide, Yasushi, 4,840,922, Cl. 437-129.000.
- Hariguchi, Yoshinori: *See—*
  - Takatsuka, Masanori; and Hariguchi, Yoshinori, 4,811,947, Cl. 273-73.00J.

- Harilela Bob Limited: *See—*
  - Harilela, Mangharam J., 4,862,436, Cl. 368-282.000.
- Harilela, Mangharam J., to Harilela Bob Limited. Watch with strap. 4,862,436, 8-29-89, Cl. 368-282.000.
- Harima Chemicals, Inc.: *See—*
  - Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, 4,851,153, Cl. 252-518.000.
- Harimaya, Senichi: *See—*
  - Funahashi, Yoshiko; Kamino, Yoshikazu; Matsumura, Yasuharu; and Harimaya, Senichi, 4,871,513, Cl. 422-56.000.
- Haring, Erwin; Weihrich, Gerhard; and Worz, Wolfgang, to Werner & Pfleiderer GmbH. Co-rotating twin-screw kneaders with kneading disks. 4,824,256, 4-25-89, Cl. 366-85.000.
- Haring, Erwin, to Werner & Pfleiderer GmbH. Throttling device for a twin-shaft screw-type extruder. 4,863,363, 9-5-89, Cl. 425-204.000.
- Haring, Petrus: *See—*
  - Doornbos, Tamme S. M.; Haring, Petrus; and Van Der Heijden, Arnoldus, 4,889,736, Cl. 426-536.000.
- Haring, Petrus G., to Lever Brothers Company. Spread containing dairy fat. 4,820,541, 4-11-89, Cl. 426-586.000.
- Haring, Rolf A. Thermic insulating covers for facade and the like walls. 4,823,530, 4-25-89, Cl. 52-317.000.
- Haring, Theodor. Snowplow blade with spring-loaded edge flaps. 4,794,710, 1-3-89, Cl. 37-232.000.
- Haring, Ulrich, to Ciba-Geigy Corporation. Corrosion inhibitor. 4,877,552, 10-31-89, Cl. 252-392.000.
- Hario Kabushiki Kaisha: *See—*
  - Murakami, Tatsuo, 4,853,509, Cl. 219-10.55E.
  - Senba, Ayumi, 4,839,4[illegible]4, Cl. 219-10.55E.
- Hariri, Robert J. Microsurgery tools. 4,825,864, 5-2-89, Cl. 128-303.00R.
- Hariri, Robert J.; Ghajar, Jamshid B. G.; and Ghahremani-Ghadjar, Fathali, to Neurodynamics, Inc. Flexible grasping device. 4,875,482, 10-24-89, Cl. 128-352.000.
- Hariri, Robert J.: *See—*
  - Ghajar, Jamshid B. G.; Hariri, Robert J.; and Ghadjar, Fathali G., 4,821,716, Cl. 128-303.00B.
- Harisiades, Paul: *See—*
  - Mueller, Karl F.; and Harisiades, Paul, 4,837,289, Cl. 526-279.000.
- Harita, Yoshiyuki: *See—*
  - Koshiba, Mitsunobu; Yamada, Keiichi; Harita, Yoshiyuki; Kawamura, Shin'ichi; and Furuto, Yuuji, 4,886,565, Cl. 156-345.000.
- Hariton, Dan I.; and Shah, Prasanna M., to Signetics Corporation. System for high speed digital transmission in repetitive noise environment. 4,845,466, 7-4-89, Cl. 340-310.00R.
- Haritonoff, Boris W.: *See—*
  - Thomsen, Karl V.; Darcy, John J.; Griswold, Augustus W.; Haritonoff, Boris W.; and Pond, Jacob, 4,838,964, Cl. 156-73.100.
  - Thomsen, Karl V.; Darcy, John J.; Griswold, Augustus W.; Haritonoff, Boris W.; and Pond, Jacob, 4,878,985, Cl. 156-459.000.
- Harju, Matti, to Valio Meijerien Keskusosuusliike. Process for the specific separation of lactose from milk. 4,820,348, 4-11-89, Cl. 127-46.200.
- Harju, Matti; and Heikonen, Matti, to Valio Meijerien Keskusosuusliike. Process for the demineralization of whey or a liquid based on whey and for producing an acid mixture and a base mixture useful in food industries. 4,855,056, 8-8-89, Cl. 210-638.000.
- Hark, Ernst F. Water purification process. 4,808,287, 2-28-89, Cl. 204-182.500.
- Harke, Wolf-Udo, to Siemens Aktiengesellschaft. Computer tomography apparatus. 4,831,639, 5-16-89, Cl. 378-19.000.
- Harker, Howard R.: *See—*
  - Aguirre, Carlos E.; and Harker, Howard R., 4,823,358, Cl. 373-10.000.
  - Eatrekin, Charles H.; and Harker, Howard R., 4,838,340, Cl. 164-455.000.
- Harkin, John M.: *See—*
  - Blondin, George A.; and Harkin, John M., 4,808,517, Cl. 435-4.000.
- Harkness, Joseph R.: *See—*
  - Bruener, Patrick J.; Harkness, Joseph R.; Vogl, Norbert M.; and Eifert, Glen C., 4,819,593, Cl. 123-192.00B.
- Harkonen, Jouko; and Mustalampi, Reino, to Allaway Oy. Method for controlling a vacuum cleaner or a central vacuum cleaner. 4,829,626, 5-16-89, Cl. 15-314.000.
- Harlan, Eugene G.: *See—*
  - Beall, Paul F.; and Harlan, Eugene G., 4,824,121, Cl. 273-376.000.
- Harlan, George M.: *See—*
  - Turczyk, Michael J.; and Harlan, George M., 4,795,767, Cl. 523-200.000.
- Harlan, Sven, to Ballet Design, Inc. Stretching apparatus. 4,795,150, 1-3-89, Cl. 272-144.000.
- Harless, Friedrich: *See—*
  - Busch, Dieter; Harless, Friedrich; and Krauss, Gerhard, 4,845,755, Cl. 381-68.000.
- Harley, A. Dale; Duquette, Lawrence G.; Khoury, Issam A.; and Kohatsu, Iwao, to Dow Chemical Company, The. Dispersion process for ceramic green body. 4,816,072, 3-28-89, Cl. 106-287.180.
- Harley, A. Dale, to Dow Chemical Company, The. Process and catalyst for the dehydrohalogenation of halogenated hydrocarbons. 4,816,609, 3-28-89, Cl. 570-226.000.
- Harley, David N., to Titus Tool Co., Ltd. Shelf support. 4,830,323, 5-16-89, Cl. 248-250.000.
- Harley-Davidson, Inc.: *See—*
  - Brown, William H., 4,795,[illegible]54, Cl. 220-254.000.
  - Brown, William H.; and Hamann, Michael W., 4,807,472, Cl. 73-313.000.
  - Matre, Daniel A.; and Bleustein, Jeffrey L., 4,826,191, Cl. 280-261.000.
- Harley, Jack: *See—*
  - Jewitt, Joseph H.; and Harley, Jack, 4,823,973, Cl. 220-67.000.
- Harley, Naomi H.; and Maiello, Mark L., to New York University. Environmental gamma-ray and radon detector. 4,800,272, 1-24-89, Cl. 250-253.000.
- Harlind and Sandlind Development Company: *See—*
  - Lindaberry, Harold, 4,821,448, Cl. 43-19.200.
- Harline, Richard D.: *See—*
  - Miller, Herbert; and Harline, Richard D., 4,845,842, Cl. 29-827.000.
- Harling, Otto K.: *See—*
  - Megusar, Janez; Harling, Otto K.; and Grant, Nicholas J., 4,885,128, Cl. 376-463.000.
- Harlos, Hartmut; Juhnke, Klaus G. H.; and Kelting, Peter, to U.S. Philips Corporation. Control circuit for calibrating a delay line. 4,805,021, 2-14-89, Cl. 358-160.000.
- Harlos, Hartmut; and Kelting, Peter, to U.S. Philips Corporation. Circuit arrangement for reducing noise. 4,857,779, 8-15-89, Cl. 307-542.000.
- Harlow, Joanne: *See—*
  - Phillips, James G., Jr.; Harlow, Joanne; and Clanton, James M., 4,823,407, Cl. 2-202.000.
  - Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., 4,843,647, Cl. 2-69.000.
  - Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., 4,887,317, Cl. 2-243.00R.
- Harlow, Norman R., to Carlisle Corporation. Insulated conductor with multi-layer, high temperature insulation. 4,801,501, 1-31-89, Cl. 428-383.000.
- Harlow, Norman R., to Carlisle Corporation. Manufacture of low density, sintered polytetrafluorethylene articles. 4,826,725, 5-2-89, Cl. 428-375.000.
- Harlow, Vernon W.: *See—*
  - Welborn, Woodrow W.; and Harlow, Vernon W., 4,848,117, Cl. 40-308.000.
- Harlowe, William W.: *See—*
  - Wilson, Wilfred W.; Polemenakos, Sotiros C.; Potter, J. Larry; Mangold, Donald J.; Harlowe, William W.; and Schlameus, Herman W., 4,874,611, Cl. 424-410.000.
- Harm, Hartwig; and Ibl, Harald, to Rohde & Schwarz GmbH & Co. KG. Arrangement for displaying multiplexed analog components on a conventional TV monitor. 4,811,095, 3-7-89, Cl. 358-160.000.
- Harm, John E. Golf bag cart beverage holder. 4,844,399, 7-4-89, Cl. 248-311.200.
- Harmalker, Subhash, to Colgate-Palmolive Co. Wash cycle fabric conditioning compositions: tertiaryamine-multi-functional carboxylic acid complex. 4,869,836, 9-26-89, Cl. 252-8.800.
- Harman, Dane P., to Harman Stove and Welding, Inc. Grate for coal stove. 4,803,973, 2-14-89, Cl. 126-73.000.
- Harman International Industries, Incorporated: *See—*
  - House, William N., 4,809,338, Cl. 381-103.000.
- Harman, Mitchell: *See—*
  - Pitha, Josef; Harman, Mitchell; and Uekama, Kaneto, 4,877,774, Cl. 514-26.000.
- Harman, Nancy W., to Union Camp Corporation. Long open assembly time vinyl-bonding polyamide from dimer acid. 4,853,460, 8-1-89, Cl. 528-339.300.
- Harman, S. Mitchell: *See—*
  - Leonard, Robert J.; and Harman, S. Mitchell, 4,846,793, Cl. 604-62.000.
- Harman, Sherman M., to Endocon, Inc. Cartridge injector for pellet medicaments. 4,820,267, 4-11-89, Cl. 604-60.000.
- Harman Stove and Welding, Inc.: *See—*
  - Harman, Dane P., 4,803,973, Cl. 126-73.000.
- Harmand, Pierre. Toolholder device for a machine tool. 4,852,306, 8-1-89, Cl. 51-241.0VS.
- Harmath, Sandor: *See—*
  - Knoll, Jozsef; Harmath, Sandor; Nagy, Janos and Knoll, Berta, 4,859,766, Cl. 530-380.000.
- Harmatha, Andras: *See—*
  - Szucs, Laszlo; and Harmatha, Andras, 4,858,685, Cl. 165-166.000.
- Harmatuik, Rodney I. Card holding device. 4,817,253, 4-4-89, Cl. 24-458.000.
- Harmer, George A., to Lucas Industries public limited company. Internal shoe drum brake. 4,842,104, 6-27-89, Cl. 188-79.510.
- Harmon Industries, Inc.: *See—*
  - Ballinger, Forrest H.; and Kohne, Maurice H., 4,868,538, Cl. 340-933.000.
- Harmon, J. Paul; Kehoe, Peter J.; Rhodes, John D.; and Hash, Martin D., to Hewlett-Packard Company. Service station for ink-jet printer. 4,853,717, 8-1-89, Cl. 346-140.00R.
- Harmon, J. Paul: *See—*
  - Rasmussen, Steve O.; Jackson, Larry A.; Rhodes, John D.; Pinkernell, David W.; Harmon, J. Paul; Moon, Kevin L.; and Huseby, William R., 4,872,026, Cl. 346-140.00R.
- Harmon, James V., to Microbionics Inc. Natural feeling condom and method. 4,869,723, 9-26-89, Cl. 604-349.000.
- Harmon, John R., to Libbey-Owens-Ford Co. Glass handling apparatus. 4,881,866, 11-21-89, Cl. 414-607.000.
- Harmon, Raymond E.; McCown, William R. E.; and Zankich, Frank A., to Rexnord Inc. Adjustable latching mechanism. 4,798,408, 1-17-89, Cl. 292-341.180.

Harmon, Raymond E., to Hartwell Corporation. Tension and shear latching mechanism. 4,826,221, 5-2-89, Cl. 292-167.000.
Harmon, Raymond E.; and McCown, William R. E., to Rexnord Holdings Inc. Vertical access adjustable latching mechanism externally accessible adjustable keeper mechanism. 4,852,923, 8-1-89, Cl. 292-341.180.
Harmon, Raymond E.: *See—*
Tedesco, Albert D.; Stammreich, John C.; Harmon, Raymond E.; and Rourne, William R., Jr., 4,858,970, Cl. 292-113.000.
Harmon, Robert W., to A. B. Chance Company. Beam strengthened cutout insulator. 4,870,387, 9-26-89, Cl. 337-168.000.
Harmon, Rodney D. Circular aircraft. 4,804,156, 2-14-89, Cl. 244-23.00C.
Harmon, Troy M.: *See—*
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Harmonic Drive Systems Inc.: *See—*
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Harms, Frank M.; Tripp, Victor; and Wells, Thomas B., to Lifeblood Advanced Blood Bank Systems, Inc. Apparatus for the rapid microwave thawing of cryopreserved blood, blood components, and tissue. 4,874,915, 10-17-89, Cl. 219-10.55F.
Harms, Haio; Schobesberger, Manfred; Sollradl, Herbert; and Weinrotter, Klaus, to Lenzing Aktiengesellschaft. Process for providing a high-temperature resistant polyimide film. 4,871,500, 10-3-89, Cl. 264-178.00R.
Harms, Harold B.: *See—*
Forbes, Franklin L.; and Harms, Harold B., 4,835,839, Cl. 29-596.000.
Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.
Harms, Harry: *See—*
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Harms, Jack L.: *See—*
Carrington, Michael R.; and Harms, Jack L., 4,827,912, Cl. 128-24.00R.
Harms, Jeffrey, to Ermanco Incorporated. Interlocking torque tube-pulley assembly for live roller line shaft conveyors. 4,887,707, 12-19-89, Cl. 198-781.000.
Harms, Jurgen; and Biedermann, Lutz. Place holder, in particular for a vertebra body. 4,820,305, 4-11-89, Cl. 623-16.000.
Harms, Klaus-Christoph; and Ruckenbauer, Friedrich, to AVL Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik m.b.H. Prof.Dr.Dr.h.c. Hans List. Method and apparatus for the identification of oscillatory properties as well as for the operation of a piezoelectric tranducer. 4,816,743, 3-28-89, Cl. 324-56.000.
Harms, Louis C., to United Technologies Automotive, Inc. Electrically controlled pressure relief valve system and method. 4,873,817, 10-17-89, Cl. 56-10.200.
Harms, Luhr: *See—*
Oprach, Klaus; Harms, Luhr; Braun, Gebhard; and Trolltsch, Karl, 4,796,359, Cl. 30-43.920.
Harms, Sherry J.: *See—*
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Gutterman, Pamela R.; Harms, Sherry J.; and Hoffer, John C., 4,854,660, Cl. 350-96.180.
Harms, Wolfgang; and Wunderlich, Klaus, to Bayer Aktiengesellschaft. Triphendioxazine reactive dyestuffs. 4,806,640, 2-21-89, Cl. 544-76.000.
Harms, Wolfgang; Wunderlich, Klaus; and von Oertzen, Klaus, to Bayer Aktiengesellschaft. One-amine-2-sulpho-4-[(4-halo-6-amino triazinyl-2)aminocyclohexylamino]anthraquinone reactive dyestuffs. 4,837,320, 6-6-89, Cl. 544-189.000.
Harms, Wolfgang, to Bayer Aktiengesellschaft. Aminoalkoxytriphendioxazine dyestuffs useful for dyeing and printing hydroxyl- and amino-containing materials. 4,874,857, 10-17-89, Cl. 544-75.000.
Harms, Wolfgang: *See—*
Stawitz, Josef-Walter; and Harms, Wolfgang, 4,845,213, Cl. 544-76.000.
Harmsen, Jan H., to N.V. Nederlandsche Apparatenfabriek NEDAP. Passage device for cattle. 4,813,379, 3-21-89, Cl. 119-155.000.
Harmsen, Siegfried; and Wrobel, Gunter, to Papst-Motoren GmbH and Company KG. Miniature axial fan. 4,806,081, 2-21-89, Cl. 417-354.000.
Harmsen, Siegfried: *See—*
Engelberger, Raimund; Harmsen, Siegfried; Kirchgessner, Hilmar; and Schneider, Josef, 4,886,415, Cl. 415-119.000.
Harmsen, Wayne A., to Arm-Kor Marketing Corporation. Comfort vest and collar. 4,833,732, 5-30-89, Cl. 2-102.000.
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Harnden, James A., to Siliconix Incorporated. Limiting shoot-through current in a power MOSFET half-bridge during intrinsic diode recovery. 4,841,166, 6-20-89, Cl. 307-246.000.
Harnden, James A.: *See—*
Hill, Lorimer K.; Harnden, James A.; and Concklin, Barry J., 4,853,563, Cl. 307-475.000.
Harnden, John D., Jr.: *See—*
Kornrumpf, William P.; and Harnden, John D., Jr., 4,819,126, Cl. 361-207.000.
Harned, Timothy J., to Eastern Air Devices, Inc. Stepping motor with low detent torque. 4,873,462, 10-10-89, Cl. 310-49.00R.
Harner, Donald R.: *See—*
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Harner, Leslie L.; and Frantz, Earl L., to Carpenter Technology Corporation. Thermally stable super invar and its named article. 4,853,298, 8-1-89, Cl. 428-630.000.
Harney, Donald E. Dual flush mechanism. 4,881,279, 11-21-89, Cl. 4-324.000.
Harney, Kevin; Keith, John M.; Sprague, David L.; and Astle, Brian, to Technology Inc. Pixel interpolation circuitry as for a video signal processor. 4,816,913, 3-28-89, Cl. 358-133.000.
Harney, Kevin: *See—*
Simon, Allen H.; Sprague, David L.; Keith, John M.; Patti, Michael F.; Harney, Kevin; Ryan, Lawrence D.; Fedele, Nicola J.; and Astle, Brian, 4,823,201, Cl. 358-133.000.
Sprague, David L.; Harney, Kevin; Simon, Allen H.; and Taylor, Herbert H., Jr., 4,881,194, Cl. 364-900.000.
Harney, Thomas H., to General Motors Corporation. Weatherstrip carrier. 4,869,945, 9-26-89, Cl. 428-122.000.
Harney, William J. J., to Magna International Inc. Powered six-way seat adjustor and mechanisms therefor. 4,880,199, 11-14-89, Cl. 248-396.000.
Harnisch, Horst; and Raue, Roderich, to Bayer Aktiengesellschaft. Electrophotographic toners containing an additive reinforcing the cationic charge. 4,812,379, 3-14-89, Cl. 430-110.000.
Harnisch, Horst; and Raue, Roderich, to Bayer Aktiengesellschaft. Naphthalic acid imides electrophotographic toners. 4,841,052, 6-20-89, Cl. 544-361.000.
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Oliphant, Larry J., 4,854,547, Cl. 254-271.000.
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Harnoy, Gideon N.; Gatt, Shimon; and Barenholz, Yechezkel. Enhanced oil recovery. 4,811,791, 3-14-89, Cl. 166-305.100.
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Haroutel, Jean-Claude; and Michel, Philippe, to SMH Alcatel. Impeller driven suction device for rotatably holding flat objects. 4,805,950, 2-21-89, Cl. 294-64.100.
Harp, Elwyn V.: *See—*
Roosa, Vernon D., 4,842,011, Cl. 137-414.000.
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Harp, Hans-Jurgen: *See—*
Manusch, Christoph; Harp, Hans-Jurgen; and van Swieten, Roy, 4,849,064, Cl. 156-577.000.
Manusch, Christoph; Harp, Hans-Jurgen; and van Swieten, Roy, 4,853,074, Cl. 156-577.000.
Harp, James J., to Admiralty Group Ltd. Apparatus and methods for containerizing and de-containerizing a load. 4,832,560, 5-23-89, Cl. 414-495.000.
Harp, James J.; and Molten, Robert, to Admiralty Group Ltd. Sheet material dispensing for air bearing structures. 4,883,140, 11-28-89, Cl. 180-116.000.
Harpel, Peter C., to Cornell Research Foundation, Inc. Immunocapture of enzyme inhibitor, enzyme complexes and uses thereof. 4,849,353, 7-18-89, Cl. 435-7.000.
Harpell, G. A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., to Allied-Signal Inc. Composite and article using short length fibers at oblique angles. 4,883,700, 11-28-89, Cl. 428-113.000.
Harpell, Gary A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., to Allied-Signal Inc. Composite and article using short length fibers. 4,820,568, 4-11-89, Cl. 428-113.000.
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Harper, Allen D., to Allied-Signal Inc. Heat transfer apparatus and method. 4,842,050, 6-27-89, Cl. 165-47.000.
Harper, Allen D., to Allied-Signal Inc. Heat transfer apparatus and method. 4,848,445, 7-18-89, Cl. 165-46.000.
Harper, Andrew K.; and Harper, Kenneth B. Test stand for R/C vehicles. 4,843,895, 7-4-89, Cl. 73-865.900.
Harper, Brian: *See—*
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Hammer, Floyd V.; and Harper, Brian, 4,824,627, Cl. 264-211.210.
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Harper, Chester H., to Allen Fruit Co., Inc. Natural frequency vibratory conveyor. 4,813,532, 3-21-89, Cl. 198-760.000.
Harper, Christopher T., to William R. Warner & Co. Limited. Feeding apparatus. 4,856,692, 8-15-89, Cl. 226-119.000.
Harper, Cliff. Activity kit. 4,836,783, 6-6-89, Cl. 434-87.000.
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Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B., 4,861,120, Cl. 305-35.00R.
Edwards, John W.; Harper, Daniel R.; and McNew, Quinton B., 4,884,852, Cl. 305-35.0EB.
Harper, George S., to Airpax Corporation. Multipole circuit breaker system with differential pole operation. 4,882,557, 11-21-89, Cl. 335-9.000.
Harper, George S., to Airpax Corporation. Circuit breaker. 4,885,558, 12-5-89, Cl. 335-8.000.
Harper, Harold M.; and Holtman, Mark C., to Tecumseh Products Company. Suction accumulator strap. 4,888,962, 12-26-89, Cl. 62-503.000.
Harper, Henry J., to Harpers. Interlock for multi-drawer cabinet. 4,865,404, 9-12-89, Cl. 312-221.000.
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Harper, Kevin; and Watson, William J. W., to British Petroleum Company p.l.c., The. Conductive poly(2,5-furanylene vinylene) and poly(2,5-thienylene vinylene). 4,808,681, 2-28-89, Cl. 526-270.000.
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Harper, Raymond F., III. Process for hazardous waste containment. 4,863,638, 9-5-89, Cl. 252-633.000.
Harper, Richard W.; Poore, Gerald A.; and Rieder, Brent J., to Eli Lilly and Company. N([(4-trifluoromethylphenyl)amino]carbonyl)benzene sulfonamides. 4,845,128, 7-4-89, Cl. 514-592.000.
Harper, Robert, to Raytheon Company. Method of manufacture of coupled-cavity waveguide structure for traveling wave tubes. 4,807,355, 2-28-89, Cl. 29-600.000.
Harper, Robert; and Liss, Cheryl V., to Raytheon Company. Helical waveguide to rectangular waveguide coupler. 4,851,736, 7-25-89, Cl. 315-3.500.
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Harper, Stanley J., to Metad Pty. Ltd. Kneeling aid. 4,850,069, 7-25-89, Cl. 5-443.000.
Harper, Stephen D., to Arco Chemical Technology, Inc. Preparation of filterable double metal cyanide complex catalyst for propylene oxide polymerization. 4,843,054, 6-27-89, Cl. 502-175.000.
Harper, Stephen D., to Arco Chemical Technology, Inc. Purification of polyols prepared using double metal cyanide complex catalysts. 4,877,906, 10-31-89, Cl. 568-621.000.
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Harper, William P.; and Lunt, Michael S., to Rogers Corporation. Electroluminescent lamp having a polymer phosphor layer formed in substantially a non-crossed linked state. 4,816,717, 3-28-89, Cl. 313-502.000.
Harper, William P.; and Lunt, Michael S., to Rogers Corporation. Backlighting for electro-optical passive displays and transflective layer useful therewith. 4,832,459, 5-23-89, Cl. 350-345.000.
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Kwiatek, David J., 4,846,671, Cl. 431-266.000.
Harpers: *See—*
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Harpold, Charles W., to Harco Graphic Products, Inc. Machine for screen printing numbers. 4,809,604, 3-7-89, Cl. 101-115.000.
Harpold, Charles W.; and Belcher, James E., to Harco Graphic Products, Inc. Flat bed screen printing press. 4,817,523, 4-4-89, Cl. 101-123.000.
Harpold, Charles W., to Harco Graphic Products, Inc. Cleaning apparatus and method. 4,826,539, 5-2-89, Cl. 134-10.000.
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Stroman, David W.; Brust, Paul F.; Ellis, Steven B.; Gingeras, Thomas R.; Harpold, Michael M.; and Tschopp, Juerg F., 4,855,231, Cl. 435-68.000.
Stroman, David W.; Cregg, James M.; Harpold, Michael M.; and Sperl, George T., 4,879,231, Cl. 435-172.300.
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Harradine, Vincent C.; Gillard, Clive H.; and Richards, John W., to Sony Corp. Motion vector processing in television images. 4,862,260, 8-29-89, Cl. 358-105.000.
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Harreld, Donald R.; Ponsi, Lawrence G.; and Newton, [illegible]an J., Jr., to Sage Products, Inc.,. Protective gown. 4,829,602, 5-16-89, Cl. 2-51.000.
Harrell, Edward R.; Rustad, Norman E.; and Mosbey, Deral T., to Minnesota Mining and Manufacturing Company. Flexible magnetic recording media and a method using a stable fluid reactive dispersion to prepare magnetic recording media. 4,837,082, 6-6-89, Cl. 428-329.000.
Harrell, Jerald R.; and Muschiatti, Lawrence C., to Du Pont de Nemours, E. I., and Company. Ethylene copolymer compositions. 4,839,412, 6-13-89, Cl. 524-436.000.
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Harrell, Timothy J., to Cooper Industries, Inc. Intermediate component for an electrical connector and method of manufacture. 4,854,894, 8-8-89, Cl. 439-606.000.
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Harriett, Todd D., to American Colloid Company. Self-healing bentonite sheet material composite article. 4,810,573, 3-7-89, Cl. 428-331.000.
Harrigan, Linda M.; and Jaworski, Marlene H. Modesty restraint for toilet chairs. 4,795,176, 1-3-89, Cl. 297-465.000.
Harrigan, Linda M. Jumpsuit support. 4,807,937, 2-28-89, Cl. 297-465.000.
Harrigan, Linda M.; and Jaworski, Marlene H. Patient bed restraint. 4,853,996, 8-8-89, Cl. 5-494.000.
Harrigan, Michael E., to Xerox Corporation. Wide angle zoom lens. 4,812,021, 3-14-89, Cl. 350-425.000.
Harrigill, William T., to Coleman Company, Inc., The. Condensing furnace. 4,867,673, 9-19-89, Cl. 431-171.000.
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Harrington, Christopher C., to Modcom Corporation. Wireless infrared remote control extender. 4,864,647, 9-5-89, Cl. 455-603.000.
Harrington, Frank S.; and Manyak, Michael J., to United States of America, Health and Human Services. Flexible holder for a cystoscope or the like. 4,867,404, 9-19-89, Cl. 248-231.400.

- Harrington, J. J., to Mariculture Equipment Development, Inc. Amphibious aquaculture feed distribution machine. 4,852,521, 8-1-89, Cl. 119-51.040.
- Harrington, James H., to Hercules Incorporated. Wet/dry wipes. 4,837,078, 6-6-89, Cl. 428-284.000.
- Harrington, James M.; Hervol, Henry J.; and Walton, William N., to Enviroquip, Inc. Gas diffuser. 4,863,644, 9-5-89, Cl. 261-77.000.
- Harrington, Marie I.: *See—*
  - Troxell, John R.; Harrington, Marie I.; and Erskine, James C., 4,851,363, Cl. 437-40.000.
- Harrington, Marlin K., to Harrington Products, Inc. Swimmer's propulsion enhancer and training device and method. 4,828,521, 5-9-89, Cl. 441-60.000.
- Harrington, Marlin K., to Harrington Products, Inc. Swimmer's propulsion enhancer and training device and method. 4,867,720, 9-19-89, Cl. 441-60.000.
- Harrington, Max G., to New West Engineering, Ltd. Apparatus for spraying a liquid in a vessel. 4,798,334, 1-17-89, Cl. 239-227.000.
- Harrington, Peter J.: *See—*
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  - Taylor, Edward C.; Harrington, Philip M.; and Shih, Chuan, 4,871,743, Cl. 514-272.000.
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  - Harrington, Marlin K., 4,867,720, Cl. 441-60.000.
- Harrington, Richard E.: *See—*
  - Shang, Jer Y.; and Harrington, Richard E., 4,867,079, Cl. 110-264.000.
- Harrington, Richard F.; and Selgrad, James, to Aetna Bearing Company. Radially adjustable clutch release bearing assembly. 4,854,437, 8-8-89, Cl. 192-98.000.
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  - Stano, Robert R.; and Harrington, Richard H., 4,797,864, Cl. 368-111.000.
- Harrington, Richard J. Concrete block wall insulation system. 4,815,244, 3-28-89, Cl. 52-169.110.
- Harrington, Richard L.: *See—*
  - Blessing, Hubert; and Harrington, Richard L., 4,871,161, Cl. 271-10.000.
- Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; Leinum, Virgil D.; and Niemi, Thomas J., to Thermo King Corporation. Fuel tank assembly for a refrigerated container. 4,834,401, 5-30-89, Cl. 280-833.000.
- Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; and McClellan, Bruce E., to Thermo King Corporation. Mounting clamp. 4,834,572, 5-30-89, Cl. 403-316.000.
- Harrington, Robert L.; Larson, Terry G.; and Unger, Richard F., to Thermo King Corporation. Strain relief clamp. 4,842,227, 6-27-89, Cl. 248-56.000.
- Harrington, Thomas E., III, to Dallas Semiconductor Corporation. Low leakage battery protection diode structure. 4,862,310, 8-29-89, Cl. 361-58.000.
- Harrington, William A.: *See—*
  - Myers, Terrence L.; and Harrington, William A., 4,862,014, Cl. 307-270.000.
- Harrington, William J.; Ahn, Yeon S.; and Mylvaganam, Ravindra, to University of Miami. Method of treating sickle cell anemia with danazol. 4,835,146, 5-30-89, Cl. 514-176.000.
- Harrington, William J.; Ahn, Yeon S.; and Mylvaganam, Ravindra, to University of Miami. Treatment of hemolytic anemia with danazol. 4,837,212, 6-6-89, Cl. 514-176.000.
- Harriott, Lloyd R.: *See—*
  - Bobeck, Andrew H.; Harriott, Lloyd R.; Hartman, Robert L.; Kaplan, Daniel R.; Przybylek, George J.; and Tabor, William J., 4,870,649, Cl. 372-19.000.
- Harris, Alexander T.; and Melchert, Donald A., Jr., to Du Pont de Nemours, E. I., and Company. Dichlorobutene isomerization process. 4,827,059, 5-2-89, Cl. 570-236.000.
- Harris, Allen R. Flight simulating toy. 4,850,922, 7-25-89, Cl. 446-7.000.
- Harris, Arthur, to Davis Meditech. Precision liquid handling apparatus. 4,873,877, 10-17-89, Cl. 73-864.160.
- Harris, Calvin E., to Eastman Kodak Company. Multi-image reproduction apparatus. 4,884,106, 11-28-89, Cl. 355-212.000.
- Harris, Carl B., to Thomas Smith Co. Inc. Valve handle. 4,877,050, 10-31-89, Cl. 137-315.000.
- Harris, Charles C. Shrink wrap package with venting openings. 4,815,603, 3-28-89, Cl. 206-497.000.
- Harris, Charles C. Method of making a shrink wrap package. 4,873,814, 10-17-89, Cl. 53-442.000.
- Harris, Charles F., Jr., to Ford Motor Company. Tolerance compensating clip. 4,864,786, 9-12-89, Cl. 52-214.000.
- Harris, Christopher, to Bard Limited. Tubing connector. 4,850,984, 7-25-89, Cl. 604-326.000.
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- Harris Corporation: *See—*
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  - Abend, Robert J., 4,862,231, Cl. 357-19.000.
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  - Baird, Charles A., 4,829,304, Cl. 342-63.000.
  - Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Helm, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, 4,829,554, Cl. 379-58.000.
  - Beasom, James D., 4,807,012, Cl. 357-49.000.
  - Beasom, James D., 4,808,547, Cl. 437-54.000.
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  - Beasom, James D., 4,873,564, Cl. 357-49.000.
  - Beitman, Bruce A., 4,795,718, Cl. 437-41.000.
  - Bittner, Burt J., 4,823,228, Cl. 361-218.000.
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  - Chan, Aaron; Pierce, Ben; and Shafto, Leslie, 4,841,560, Cl. 379-29.000.
  - Chan, Ellery Y.; and Sterling, Thomas L., 4,872,121, Cl. 364-551.010.
  - Chan, Luen C.; and Menozzi, Jay P., 4,884,971, Cl. 434-2.000.
  - Clark, Jack E., II, 4,804,865, Cl. 307-297.000.
  - Colquitt, Michael L.; Gerke, Robert D.; Kwoka, Mark A.; and Foster, Dennis M., 4,801,065, Cl. 228-19.000.
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  - Davis, Robert C., 4,843,615, Cl. 375-80.000.
  - Deno, Milton C.; Smith, Eugene A., Jr.; and Delaruelle, Dale H. 4,859,000, Cl. 303-33.000.
  - Disbrow, James E., 4,868,778, Cl. 364-757.000.
  - DiStefano, Ralph D., 4,835,008, Cl. 427-96.000.
  - Faith, Richard W., 4,868,858, Cl. 379-21.000.
  - Grayson, Fred G.; Miller, Warren H.; and Sturgis, James D., 4,845,511, Cl. 343-915.000.
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  - Hash, Ronald J., 4,823,096, Cl. 333-109.000.
  - Heckaman, Douglas E.; Higman, Roger H.; Frisco, Jeffrey A.; and Bajgrowicz, Edward J., 4,851,793, Cl. 333-1.000.
  - Heckaman, Douglas E.; Perkins, Gilbert R.; and Higman, Roger H., 4,890,195, Cl. 361-386.000.
  - Herzog, Will, 4,839,616, Cl. 333-32.000.
  - Hines, Edward E.; Royer, Lee J.; Jehring, Thomas D.; Faulkenberry, William E.; Posey, Norvan J.; and Richeson, Joseph T., 4,860,602, Cl. 73-865.900.
  - James, Michael R.; and Maney, John J., 4,823,134, Cl. 342-359.000.
  - Keyser, Dean, 4,829,588, Cl. 455-21.000.
  - Kumar, Prithvi R.; and Abare, Wayne, 4,888,675, Cl. 363-47.000.
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  - Lichtel, Richard L., Jr.; Pearce, Lawrence G.; and Matlock, Dyer A., 4,818,725, Cl. 437-203.000.
  - Lowry, Robert K.; and Adams, Edward U., 4,859,280, Cl. 156-662.000.
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  - Malinowski, Christopher W., 4,888,741, Cl. 365-230.050.
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  - McRae, Daniel D.; and Furman, William N., 4,872,182, Cl. 375-1.000.
  - Moore, George S., 4,802,149, Cl. 367-100.000.
  - O, Kenneth K.; Pearce, Lawrence G.; and Matlock, Dyer A. 4,829,359, Cl. 357-42.000.
  - O'Mara, William E., Jr., 4,839,711, Cl. 357-51.000.
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  - Rice, Christopher W.; and Salvage, Seward T., 4,795,922, Cl. 307-511.000.
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  - Salvage, Seward T.; and Messer, Edward E., Jr., 4,806,888, Cl. 333-138.000.
  - Sanborn, James A.; and Boan, Bobby J., 4,880,570, Cl. 252-512.000.
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  - Talmor, Shlomo S., 4,808,914, Cl. 324-62.000.
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  - Trinidad, John M.; Keesom, Hendrik J.; Buhrman, C. Wayne; and Heinrich, Dedina M., 4,868,851, Cl. 375-40.000.
  - Walker, Watson F.; and Sutherland, Jack L., 4,881,245, Cl. 375-38.000.
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  - Young, William R.; and Davidson, Harold D., 4,818,901, Cl. 307-451.000.
  - Young, William R.; and Rivoli, Anthony L., 4,851,257, Cl. 427-96.000.
  - Young, William R., 4,857,764, Cl. 307-443.000.
  - Young, William R., 4,882,698, Cl. 364-736.000.
- Harris, Curtis C.: *See—*
  - Reddel, Roger R.; Yang, Ke; Rhim, Johng S.; Brash, Douglas; Su, Robert T.; Lechner, John F.; Gerwin, Brenda I.; Harris, Curtis C.; and Amstad, Paul, 4,885,238, Cl. 435-29.000.
- Harris, David J.; and Elgin, Richard L., to General Electric Company. Self-aligning floating nut fastener. 4,830,557, 5-16-89, Cl. 411-113.000.
- Harris, David L., to Tektronix, Inc. Magnet design for ferromagnetic resonators. 4,827,230, 5-2-89, Cl. 333-202.000.
- Harris, David L. Magnetic field-tunable filter with plural section housing and method of making the same. 4,857,871, 8-15-89, Cl. 333-202.000.
- Harris, Donald L., to Cordis Leads, Inc. Pacing lead stylet. 4,796,642, 1-10-89, Cl. 128-772.000.
- Harris, Dorothy A., to Gliege, Evelyn D.; and Martin, Edward A., part interest to each. Device for receiving an orthotic insert. 4,813,162, 3-21-89, Cl. 36-88.000.
- Harris, Earl C., Jr., to Elmatco Products, Incorporated. Drill board and method of making the same. 4,853,273, 8-1-89, Cl. 428-116.000.
- Harris, Elbert: *See—*
  - Bochis, Richard J.; Tolman, Richard L.; and Harris, Elbert, 4,816,469, Cl. 514-359.000.
- Harris, Frank R.; and Young, Robert D. Form for molding columns. 4,887,789, 12-19-89, Cl. 249-16.000.
- Harris, Frank W., to Staodynamics, Inc. Nerve fiber stimulation using symmetrical biphasic waveform applied through plural equally active electrodes. 4,813,418, 3-21-89 Cl. 128-421.000.
- Harris, Frank W.: *See—*
  - Kiekhaefer, John H., Perko, Jack E.; Hetzer, Joseph S.; and Harris, Frank W., 4,812,343, Cl. 428-35.600.
- Harris, G. Bryn: *See—*
  - Peacey, John G.; and Harris, G. Bryn, 4,800,003, Cl. 204-70.000.
- Harris, Gale I.: *See—*
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- Harris, Gary J. Perpetual calendar which utilizes seven month tables and methods of constructing and using the same. 4,828,290, 5-9-89, Cl. 283-67.000.
- Harris, Gary L., to Baker Oil Tools, Inc. Method of employing a coated elastomeric packing element. 4,862,967, 9-5-89, Cl. 166-387.000.
- Harris, Geoffrey: *See—*
  - Hummel, Paul A.; Skimerhorn, James A.; and Harris, Geoffrey, 4,809,829, Cl. 188-322.150.
- Harris, George M. Portable fifth wheel hitch apparatus. 4,824,134, 4-25-89, Cl. 280-438.100.
- Harris, George M., to Harris-Hub Company, Inc. Support member for box spring frames. 4,866,798, 9-19-89, Cl. 5-263.000.
- Harris, George W.; and Echols, John D. Flame ignition and monitoring system and method. 4,871,307, 10-3-89, Cl. 431-25.000.
- Harris, Godfrey: *See—*
  - Borig, Donald A.; Harris, Godfrey; and Korngold, Gary P., 4,881,532, Cl. 128-80.00A.
- Harris Graphics: *See—*
  - Becker, John H., 4,826,071, Cl. 228-160.000.
- Harris Graphics Corporation: *See—*
  - Becker, John H., 4,870,732, Cl. 29-121.500.
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- Harris, Gregory E.: *See—*
  - Morris, Joseph H.; Jarski, Edmund J.; and Harris, Gregory E., 4,828,454, Cl. 415-48.000.
- Harris-Hub Company, Inc.: *See—*
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- Harris, J. Milton: *See—*
  - Klainer, Stanley M.; Harris, J. Milton; and Goswami, Kisholoy, 4,824,206, Cl. 350-96.290.
- Harris, J. Roy; and Sundstrom, Robert L., to American Electronics, Inc. Dual lens security camera. 4,816,849, 3-28-89, Cl. 354-120.000.
- Harris, Jack L.: *See—*
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- Harris, James C.: *See—*
  - Ansell, Daniel F.; Harris, James C.; Howell, Steven E.; Miller, Michael S.; and Wysong, Robert D., 4,862,327, Cl. 361-415.000.
- Harris, James E.; and Robeson, Lloyd M., to Amoco Corporation. Miscible blends of poly(aryl ether sulfones). 4,804,723, 2-14-89, Cl. 525-535.000.
- Harris, James E.; and Robeson, Lloyd M., to Amoco Corporation. Blends of a biphenyl containing poly (aryl ether sulfone) and a poly (aryl ether ketone). 4,804,724, 2-14-89, Cl. 525-471.000.
- Harris, James E., to Amoco Corporation. Poly(aryl ether sulfone) compositions having improved flow properties. 4,818,803, 4-4-89, Cl. 525-390.000.
- Harris, James E.; Matzner, Markus; and Robeson, Lloyd M., to Amoco Corporation. Miscible blends of an amide and/or imide containing polymer and a polyarylate. 4,879,354, 11-7-89, Cl. 525-425.000.
- Harris, James E.: *See—*
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- Harris, James L.: *See—*
  - Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
- Harris, Jeffery R., to Milliken Research Corporation. Tint compositions useful for providing coloration to aqueous and non-aqueous liquids 4,871,371, 10-3-89, Cl. 8-403.000.
- Harris, Jeffery R.: *See—*
  - Hines, John B.; and Harris, Jeffery R., 4,877,411, Cl. 8-403.000.
- Harris, Jeffrey A., to Foseco International Limited. Coating expendable substrates which contact molten metal. 4,873,114, 10-10-89, Cl. 427-27.000.
- Harris, Jeffrey J.; Shannon, John M.; and Woodcock, John M., to U.S. Philips Corp. Hot charge-carrier transistors. 4,843,447, 6-27-89, Cl. 357-34.000.
- Harris, Jerry A.: *See—*
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  - Kukes, Simon G.; and Harris, Jesse R., 4,802,974, Cl. 208-217.000.
  - Kukes, Simon G.; and Harris, Jesse R., 4,870,044, Cl. 502-220.000.
  - Kukes, Simon G.; Banks, Robert L.; and Harris, Jesse R., 4,879,425, Cl. 585-350.000.
- Harris, John C. Novelty golf club with programmed sound playing device. 4,840,371, 6-20-89, Cl. 272-8.00N.
- Harris, John D.: *See—*
  - Bitner, C. Ellsworth; Harris, John D.; and Belcher, Richard D., 4,833,615, Cl. 364-463.000.
- Harris, John L. Flush tank water saver. 4,811,432, 3-14-89, Cl. 4-325.000.
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- Harris, John L.: *See—*
  - Kenney, Andrew C.; Thompson, Philip W.; and Harris, John L., 4,802,981, Cl. 210-198.200.
  - Kenney, Andrew C.; Thompson, Philip W.; and Harris, John L., 4,861,488, Cl. 210-656.000.
  - Yang, Huei-Hsiung; Hiu, Stephen F.; and Harris, John L., 4,859,597, Cl. 435-239.000.
- Harris, John R.: *See—*
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- Harris, John W.; Sherling, Jon L.; and Puschak, Carl N., to General Electric Company. Distributed access serial port test arrangement for integrated circuits. 4,862,072, 8-29-89, Cl. 324-73.00R.
- Harris, Johnny M.: *See—*
  - Savage, Shaun V. V.; and Harris, Johnny M., 4,797,853, Cl. 364-900.000.
- Harris, Jonathan H.; Tenhover, Michael A.; and Henderson, Richard S., to Standard Oil Company, The. Compositionally graded amorphous metal alloys and process for the synthesis of same. 4,859,413, 8-22-89, Cl. 419-32.000.
- Harris, Jonathan H.: *See—*
  - Grasselli, Robert K.; Tenhover, Michael A.; and Harris, Jonathan H., 4,814,002, Cl. 75-0.50A.
- Harris, Joseph L.: *See—*
  - Nelson, David P.; Harris, Joseph L.; and Polk, Charles E., Jr., 4,852,122, Cl. 375-8.000.
- Harris, Kendall R.; Spriggs, Leonard C.; and Block, Ralph J., to B&B Progessive Material & Technologies, Inc. Fire resistant flexible seal. 4,811,529, 3-14-89, Cl. 52-396.000.
- Harris, Kenneth J., to Conserve, Inc. Heat pump and system. 4,852,366, 8-1-89, Cl. 62-238.600.
- Harris, Kenneth M., to Lucas Industries Public Limited Company. Fuel injection pump. 4,803,889, 2-14-89, Cl. 74-53.000.
- Harris, Kenneth M.: *See—*
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- Harris, Kenneth W. Gravity-biased level apparatus. 4,843,725, 7-4-89, Cl. 33-391.000.
- Harris, Kevin M.: *See—*
  - Isaac, Sharon R.; and Harris, Kevin M., 4,865,326, Cl. 273-235.00A.
- Harris, Kurt N., to Owens-Illinois Closure Inc. Dispensing package for a viscous product. 4,805,809, 2-21-89, Cl. 222-260.000.
- Harris, L. Scott; and Oriel, Patrick J., to Dow Chemical Company, The. Heteropolysaccharide produced by *Enterobacter sakazakii*. 4,806,636, 2-21-89, Cl. 536-123.000.
- Harris, Lawrence E.: *See—*
  - Lord, David L.; McDaniel, Buddy W.; Harris, Lawrence E.; and Manrique, J. E., 4,887,670, Cl. 166-281.000.
- Harris, Lawson P.: *See—*
  - Thomas, Charles E.; Bedard, James F.; Harris, Lawson P.; Wildes, Douglas G.; and Hayashi, Steven R., 4,806,914, Cl. 340-680.000.
- Harris, Lee M.; Evans, Dix L.; and Midwinter, Elizabeth A., to Inwave Corporation. Signboard for displaying optical images. 4,839,635, 6-13-89, Cl. 340-752.000.
- Harris, Lowell D.; and Smith, Charles R., to Kabushiki Kaisha Toshiba. Interactive system and related method for displaying data to produce a three-dimensional image of an object. 4,809,065, 2-28-89, Cl. 358-88.000.
- Harris-Marinoni S.A.: *See—*
  - Marmin, Jean-Claude, 4,862,801, Cl. 101-415.100.
- Harris, Mark A., to E-Systems, Inc. Modulator producing phase modulation by combining amplitude modulated signals. 4,870,374, 9-26-89, Cl. 332-145.000.
- Harris, Mark N.: *See—*
  - Dwyer, John J.; Jachmann, Emil F.; Harris, Mark N.; and Beloin, Brian F., 4,858,213, Cl. 369-28.000.

Harris, Michael C.; Chastain, David M.; and Gostin, Gary B., to Convex Computer Corporation. Instruction processing unit for computer. 4,873,629, 10-10-89, Cl. 364-200.000.
Harris, Michael R.: *See—*
  Botzolakis, John E.; Harris, Michael R.; and Nesbitt, Russell U., 4,807,465, Cl. 73-78.000.
  Botzolakis, John E.; Casier, Dirk; and Harris, Michael R., 4,864,876, Cl. 73-862.540.
  Murthy, Kuchi S.; Harris, Michael R.; Hokanson, Gerard C.; Reisch, Robert G., Jr.; Fawzi, Mahdi B.; and Waldman, Frank, 4,830,853, Cl. 424-440.000.
Harris, Mickey. Work station with fume collecting means. 4,852,468, 8-1-89, Cl. 98-115.300.
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Harris, Neil V.: *See—*
  Chatterjee, Devnandan; Harris, Neil V.; Parker, Trevor; Smith, Christopher; and Warren, Peter J., 4,866,172, Cl. 540-456.000.
Harris, Olin P. Fishing float. 4,831,762, 5-23-89, Cl. 43-17.000.
Harris, Paul A., to Lucas Industries public limited company. Multiplex control system. 4,849,967, 7-18-89, Cl. 370-85.000.
Harris, Paul C.; and Stone, Linda J., to Beckman Instruments, Inc. Apparatus and method using a new reaction capsule. 4,871,683, 10-3-89, Cl. 436-531.000.
Harris, Paul S.; and Stevens, Larry E., to Allied-Signal Inc. Winder fly waste management system. 4,858,838, 8-22-89, Cl. 242-43.00A.
Harris, Peter B.; Bennett, James; Lechiaro, Kathy M.; Morello, Peter F.; and McDonald, Robert C., to Whittaker Technical Products, Inc. Electrochemical cell having non-solution lithium alloys. 4,818,645, 4-4-89, Cl. 429-209.000.
Harris, Philip: *See—*
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Harris, Ralph; Toguri, James; and Wraith, Albert. Producing volatile metals. 4,888,052, 12-19-89, Cl. 75-20.00R.
Harris, Ralph N., III; Bedford, Clifford D.; Hilmas, Duane E.; Howd, Robert A.; Kenley, Richard A.; and Koolpe, Gary A., to SRI International. Aldoxime-substituted triazolium compounds useful in the treatment of poisoning by phosphorus-containing chemicals. 4,865,837, 9-12-89, Cl. 424-10.000.
Harris, Rano J., Jr., to Romar Technologies, Inc. Boat fenders with internal rope storage capacity. 4,875,427, 10-24-89, Cl. 114-219.000.
Harris, Richard J. Mechanical energy storage and use system for motor vehicles. 4,813,509, 3-21-89, Cl. 180-165.000.
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  Murarka, Narayan P.; Kogler, Kent J.; Bartholomew, Craig S.; Betz, Howard T.; and Harris, Richard J., 4,837,044, Cl. 427-10.000.
Harris, Richard K. Multi-channel pipe for monitoring groundwater. 4,838,079, 6-13-89, Cl. 73-155.000.
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  Ackerman, Neil R.; Harris, Richard R.; Loveless, Scott E.; and Neubauer, Russel H., 4,861,783, Cl. 514-311.000.
  Batt, Douglas G.; Greenberg, Richard S.; and Harris, Richard R., 4,859,693, Cl. 514-397.000.
Harris, Richard T., to Harris Tube Pulling and Manufacturing Company. Tube traveler device. 4,815,201, 3-28-89, Cl. 29-727.000.
Harris, Robert F., to Dow Chemical Company, The. Modified poly(alkylene carbonate) polyahls. 4,795,810, 1-3-89, Cl. 528-370.000.
Harris, Robert F., to Dow Chemical Company, The. Novel ester-modified poly(alkylene carbonate) polyahls and polyurethanes therefrom. 4,816,529, 3-28-89, Cl. 525-453.000.
Harris, Robert F., to Dow Chemical Company, The. Isocyanate-modifier poly(alkylene carbonate) polyahls. 4,861,909, 8-29-89, Cl. 558-267.000.
Harris, Robert F., to Dow Chemical Company, The. Poly (alkylene carbonate) polyahls having on the average up to one acid-terminal moiety and salts thereof. 4,870,127, 9-26-89, Cl. 524-537.000.
Harris, Robert F., to Dow Chemical Company, The. Novel poly(alkylene carbonate) polyahls having more than one pendant acid group. 4,879,357, 11-7-89, Cl. 525-462.000.
Harris, Robert F.: *See—*
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Harris, Robert L. Soybean fiber in insect rearing media. 4,840,800, 6-20-89, Cl. 426-2.000.
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Harris, Robert M., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State of or Defence in Her Britannic Majesty's Government of The. Coherent frequency exchange keying modulator. 4,882,552, 11-21-89, Cl. 332-100.000.
Harris, Robert S., to Stant Inc. Vapor recovery system. 4,826,511, 5-2-89, Cl. 55-168.000.
Harris, Robert S., to Stant Inc. Closure cap with clutch-actuated release. 4,830,058, 5-16-89, Cl. 138-89.000.
Harris, Robert S.; Szlaga, Emil; and Thompson, Robert H., to Stant Inc. Vacuum-actuated vapor recovery system. 4,836,835, 6-6-89, Cl. 55-168.000.
Harris, Robert S., to Firestone Tire & Rubber Company, The. End cap assembly for air spring. 4,852,861, 8-1-89, Cl. 267-64.270.
Harris, Robert S., to Stant Inc. Vacuum-controlled vapor recovery system. 4,877,146, 10-31-89, Cl. 220-85.0VR.
Harris, Robert S., to Stant Inc. Pressure-release fuel cap. 4,887,733, 12-19-89, Cl. 220-203.000.
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  Szlaga, Emil; Harris, Robert S.; and Thompson, Robert H., 4,816,045, Cl. 55-168.000.
  Szlaga, Emil; Harris, Robert S.; and Thompson, Robert H., 4,883,103, Cl. 141-368.000.
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Harris, Rodney M.: *See—*
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  Shalati, Mohamad D.; Marquart, James A.; Babjak, John R.; and Harris, Rodney M., 4,859,758, Cl. 527-313.000.
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  Dingwall, Andrew G. F., 4,833,473, Cl. 341-154.000.
  Jetter, Neil R., 4,881,010, Cl. 315-111.810.
  Leidich, Arthur J., 4,847,518, Cl. 307-296.100.
  Mastellone, Mitchel A., 4,831,543, Cl. 364-489.000.
  Schade, Heinrich, Jr., 4,853,610, Cl. 323-316.000.
  Zuk, Borys, 4,882,749, Cl. 379-346.000.
Harris, Stephen E.; Young, James F.; and Normandin, Richard J., to Leland Stanford Junior University, Board of Trustees of the; and Mendelsohn, Andrew J. Microwave excited excimer laser and method. 4,802,183, 1-31-89, Cl. 372-57.000.
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Harris, Stephen J., to Loctite (Ireland) Limited. Functionalised oxacalixarenes, their preparation and use in instant adhesive compositions. 4,855,461, 8-8-89, Cl. 549-348.000.
Harris, Stephen J., to Loctite Corporation. Calixarene derivatives and use as accelerators in adhesive compositions. 4,866,198, 9-12-89, Cl. 560-61.000.
Harris, Stephen J., to Loctite Corporation. Calixarene derivatives, and use of such compounds for sequestration of metals. 4,882,449, 11-21-89, Cl. 556-419.000.
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Harris, Steven, to Advanced Micro Devices, Inc. Method and apparatus for accessing a color palette synchronously during refreshing of a monitor and asynchronously during updating of the palette. 4,815,033, 3-21-89, Cl. 364-900.000.
Harris, Thomas R.; and Galloway, Robert L., Jr., to Vanderbilt University. Method of measuring lung vascular function and transcapillary transport by the use of nonradioactive markers. 4,874,949, 10-17-89, Cl. 250-343.000.
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Harris, William G., to Boeing Company, The. Leak containment storage facility. 4,859,116, 8-22-89, Cl. 405-52.000.
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Harrison, Alexander, to Commonwealth Scientific and Industrial Research Organisation. Magnetic detection of air gaps formed at breaks in conveyor belt cards. 4,864,233, 9-5-89, Cl. 324-227.000.
Harrison, Anthony W., to Lucas Industries public limited company. Brake actuation systems for vehicles. 4,799,355, 1-24-89, Cl. 60-562.000.
Harrison, Anthony W., to Lucas Industries public limited company. Brake actuators. 4,809,819, 3-7-89, Cl. 188-719.000.
Harrison, Anthony W., to Lucas Industries public limited company. Brake adjusters. 4,840,257, 6-20-89, Cl. 188-196.00D.
Harrison, Anthony W., to Lucas Industries public limited company. Electrically operated solenoid valve. 4,844,559, 7-4-89, Cl. 303-119.000.
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  Ferren, Bran; Harrison, Charles F.; Hope, Clinton B.; and Kohut, Robert J., 4,827,387, Cl. 362-284.000.
Harrison, Charles W.; Gerondale, Michael J.; Patrone, Anthony J.; and Ong, James O. Y., to Texaco Inc. Lube oil solvent dewaxing control system. 4,885,062, 12-5-89, Cl. 196-14.500.
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Harrison, Earnest R., to Halliburton Geophysical Services, Inc. Multi-barrel air gun module. 4,858,205, 8-15-89, Cl. 367-144.000.
Harrison, Frank. Temperature controlling apparatus. 4,854,374, 8-8-89, Cl. 165-47.000.
Harrison, Frank. Air temperature regulator. 4,879,880, 11-14-89, Cl. 62-406.000.
Harrison, George C. Waste treatment. 4,872,993, 10-10-89, Cl. 210-666.000.
Harrison, George M. Traffic lane marking device. 4,875,799, 10-24-89, Cl. 404-12.000.
Harrison, Gordon, to Du Pont de Nemours, E. I., and Company. Apparatus for molding heat weldable pipe fittings. 4,848,718, 7-18-89, Cl. 249-91.000.
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  Brown, David A.; Daniels, Donald V.; and Harrison, Joel N., 4,872,074, Cl. 360-77.070.
Harrison, John A.; Isakson, Gary A.; and Nelson, James R., to Minnesota Mining and Manufacturing Company. Kit for preparing blister packages. 4,802,584, 2-7-89, Cl. 206-447.000.
Harrison, John A.; Isakson, Gary A.; and Nelson, James R., to Minnesota Mining and Manufacturing Company. Kit for preparing blister packages. 4,844,246, 7-4-89, Cl. 206-223.000.
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  Reuter, Gerald L.; and Harrison, Maureen M., 4,835,187, Cl. 514-570.000.
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Harrison, William H. Electrostatic deep heating applicators. 4,823,813, 4-25-89, Cl. 128-804.000.
Harrison, William H., to University of California, The Regents of the. Remotely adjustable MRI RF coil impedance matching circuit with mutually coupled resonators. 4,827,219, 5-2-89, Cl. 324-322.000.
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Vegyeszeti Gyar Rt. Antihyperlipoproteinemic 5-substituted sulfur-containing benzimidazole derivatives. 4,814,329, 3-21-89, Cl. 514-211.000.

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Beard, Philip W.; and Hart, Cecil D., 4,850,167, Cl. 52-200.000.

Hart, Charles F.: *See*—

Baker, Frank K.; Pfiester, James R.; and Hart, Charles F., 4,852,062, Cl. 365-185.000.

Hart, Charles R., Jr. Spray tube and support assembly for spray container. 4,819,838, 4-11-89, Cl. 222-538.000.

Hart Chemical Limited: *See*—

Kanluen, Ratana; and Licht, Brigitte H., 4,874,827, Cl. 526-214.000.

Hart & Cooley, Inc.: *See*—

Rademaker, Johan K., 4,815,934, Cl. 415-191.000.

Vork, Donald J., 4,876,951, Cl. 98-107.000.

Hart, Dennis, to Undersea Industries, Inc. Dive mask. 4,856,120, 8-15-89, Cl. 2-428.000.

Hart, Diane. Dresses for women. 4,879,767, 11-14-89, Cl. 2-243.00B.

Hart, Duane H., to Minnesota Mining and Manufacturing Company. Storage-stable polymerizable composition. 4,868,229, 9-19-89, Cl. 523-400.000.

Hart Enterprises, Inc.: *See*—

Taylor, Glenn N., 4,881,551, Cl. 128-754.000.

Hart, Eric R.; and Hepler, Ernest M. Weatherproof roofing membrane and method for constructing the same. 4,870,796, 10-3-89, Cl. 52-409.000.

Hart, George W.; Kern, Edward C., Jr.; and Schweppe, Fred C., to Massachusetts Institute of Technology; and Electric Power Research Institute, Inc. Non-intrusive appliance monitor apparatus. 4,858,141, 8-15-89, Cl. 364-483.000.

Hart, Gordon E., to Amerada Minerals Corporation of Canada, Ltd. Method and apparatus for breaking gas lock in oil well pumps. 4,867,242, 9-19-89, Cl. 166-369.000.

Hart, Hiram. High-resolution radioisotopic imaging system. 4,833,327, 5-23-89, Cl. 250-363.010.

Hart Industries, Inc.: *See*—

Elliott, Janet, 4,836,230, Cl. 134-138.000.

Hart, James E.; Allan, Earl E.; and Kyllonen, Allen W., to American Standard Inc. Truss-type brake beam for railway vehicle truck-mounted brake assembly. 4,830,148, 5-16-89, Cl. 188-52.000.

Hart, James E.; and Gaughan, Edward W., to American Standard Inc. Freight brake emergency valve. 4,830,438, 5-16-89, Cl. 303-38.000.

Hart, James E.; Gaughan, Edward W.; and Hill, Theodore B., to American Standard Inc. Freight brake emergency valve. 4,850,654, 7-25-89, Cl. 303-33.000.

Hart, James E.; and Gaughan, Edward W., to American Standard Inc. Independent continual quick service valve device. 4,875,739, 10-24-89, Cl. 303-33.000.

Hart, John H.; and Baker, Frederick J., to Vitalink Communications Corporation. Method and apparatus for interfacing to a local area network. 4,809,265, 2-28-89, Cl. 370-85.000.

Hart, John H., to Vitalink Communications Corporation. Distributed load sharing. 4,811,337, 3-7-89, Cl. 370-85.000.

Hart, John M., Jr.: *See*—

Luettgen, Michael J.; Koglin, Dennis M.; Kearney, Mark B.; Hart, John M., Jr.; and Brown, Ronald E., 4,850,227, Cl. 73-708.000.

Hart, John T., to H & H Sales Corporation. Rigidifier for an inflatable boat. 4,807,555, 2-28-89, Cl. 114-345.000.

Hart, John T., to Hewlett-Packard Company. Synthetic focus annular array transducer. 4,815,047, 3-21-89, Cl. 367-103.000.

Hart, Joseph J., to Container Corporation of America. Center-supported microwave tray. 4,801,774, 1-31-89, Cl. 219-10.55E.

Hart, Joseph J., to Container Corporation of America. Microwave carton. 4,826,072, 5-2-89, Cl. 229-104.000.

Hart, Joseph J., to Container Corporation of America. Microwave carton. 4,836,439, 6-6-89, Cl. 229-104.000.

Hart, Joseph J.; and Springman, Christine S., to Container Corporation of America. Paperboard video cassette housing. 4,883,176, 11-28-89, Cl. 206-387.000.

Hart, Kyle E.: *See*—

Horan, Thomas R.; and Hart, Kyle E., 4,811,568, Cl. 62-200.000.

Hart, L. Patrick: *See*—

Dixon, Deborah E.; Hart, L. Patrick; and Pestka, James J., 4,835,100, Cl. 435-7.000.

Hart, LeRoy. Jumping shoe. 4,876,804, 10-31-89, Cl. 36-7.800.

Hart, Lynn W.: *See*—

Ko, Harvey W.; Hart, Lynn W.; and Skura, Joseph P., 4,860,756, Cl. 128-653.000.

Hart, Michael G.: *See*—

Wong, Roger W.; Vifian, Hugo; and Hart, Michael G., 4,875,859, Cl. 434-214.000.

Hart, Paul V.: *See*—

Viles, Joseph M.; and Hart, Paul V., 4,853,324, Cl. 435-2.000.

Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., to Plessey Overseas Limited. Recalibration system for LED array. 4,857,944, 8-15-89, Cl. 346-154.000.

Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., to Plessey Company plc, The. Light emitting diode array. 4,888,603, 12-19-89, Cl. 346-160.000.

Hart, Peter B.: *See*—

Kirk, Richard A.; Lee, Peter R.; Hart, Peter B.; Chilton, George A. A.; and Cobb, Alan J., 4,884,086, Cl. 346-155.000.

Hart, Philip G.: and Davis, Virgil L., to Sonoco Products Company. Apparatus for fabricating a wide-mouth plastic container from a stretch blow-molded intermediate article. 4,865,533, 9-12-89, Cl. 425-527.000.

Hart, Ralph L.: *See*—

Volgstadt, Frank R.; Reschke, Albert H.; and Hart, Ralph L., 4,809,735, Cl. 137-318.000.

Hart, Raymond J.: *See*—

Rourke, Kenneth H.; and Hart, Raymond J., 4,880,187, Cl. 244-172.000.

Hart, Rebecca A.; and Gawronski, Michael J., to Honeywell, Inc. MMW microstrip coupler having movable test probe. 4,795,999, 1-3-89, Cl. 333-116.000.

Hart, Rebecca A.: *See*—

Gawronski, Michael J.; Palmquist, Steven L.; Lamberg, John R., and Hart, Rebecca A., 4,837,529, Cl. 333-33.000.

Hart, Richard A.; Newman, Leon A.; and Kennedy, John T., to United Technologies Corporation. Phase locked staggered dielectric ridge array waveguide gas laser. 4,807,232, 2-21-89, Cl. 372-18.000.

Hart, Richard A.; Newman, Leon A.; and Kennedy, John T., to United Technologies Corporation. Phase locked cusp-shaped dielectric ridge gas laser. 4,807,233, 2-21-89, Cl. 372-18.000.

Hart, Richard A.; Newman, Leon A.; Heath, Archie D.; and Kennedy, John T., to United Technologies Corporation. Phase locked alternating dielectric ridge gas laser. 4,807,234, 2-21-89, Cl. 372-18.000.

Hart, Richard T., to Varo, Inc. Lens retainer for optical element. 4,887,887, 12-19-89, Cl. 350-252.000.

Hart, Richard T.: *See*—

Kastendieck, William A.; Hart, Richard T.; and Isbell, Wayne, 4,809,942, Cl. 248-900.000.

Hart, Robert: *See*—

Knerr, Edwin R.; Hart, Robert; and Cowan, William S., 4,852,611, Cl. 137-595.000.

Hart, Ronald E.; and Peterson, Robert T., to J. I. Case Company. Combined door and tool tray in tractor engine housing. 4,848,494, 7-18-89, Cl. 180-69.200.

Hart, Stephen C., to Morton Thiokol, Inc. Powder coating containing an epoxy resin, acrylic resin and polyamide. 4,855,358, 8-8-89, Cl. 525-113.000.

Hart, Stephen C., to Morton Thiokol, Inc. Powder coatable epoxy composition and post-tensioning cable coated therewith. 4,857,362, 8-15-89, Cl. 427-195.000.

Hart, Thomas G.; Ohaus, Karl G.; Nickerson, Earl W.; and Meisner, David J., to American Standard Inc. Self-closing valve for sanitary installations. 4,819,909, 4-11-89, Cl. 251-48.000.

Hart, Thomas J.: *See*—

Goodman, Jack J.; Tauman, Harvey S.; Fox, Charles; and Hart, Thomas J., 4,883,659, Cl. 424-78.000.

Hart, Timothy R.: *See*—

Kuder, James E.; McGinnis, James L.; Goldberg, Harris A.; Hart, Timothy R.; and Che, Tessie M., 4,878,224, Cl. 372-53.000.

Hart/Troxel Joint Venture: *See*—

Drane, Mark R.; Johnson, Jerry E.; and Ragusa, Samuel L., 4,805,541, Cl. 108-27.000.

Hart, William B.: *See*—

Ball, Graham J.; Hart, William B.; and Hurst, Michael H., 4,815,632, Cl. 222-23.000.

Hart, William G.; Breault, Michelle S.; Sansone, Ronald P.; Taylor, Michael P.; and Doeberl, Terrence M., to Pitney Bowes Inc. Mailing systems having postal funds management. 4,853,864, 8-1-89, Cl. 364-464.020.

Hart, William G.: *See*—

Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; Pintsov, Leon A.; Hart, William G.; and Silverberg, Morton, 4,800,505, Cl. 364-478.000.

Baer, Patricia B.; Hunter, Kevin D.; Hart, William G.; Axelrod, Barry H.; and Sansone, Ronald P., 4,821,195, Cl. 364-464.020.

Hart, William P.; Kapuscinski, Maria M.; and Liu, Christopher S., to Texaco Inc. Lubricating oil containing dispersant viscosity index improver. 4,795,577, 1-3-89, Cl. 252-51.50R.

Hart, William P.; and Liu, Christopher S., to Texaco Inc. Lubricating oil containing dispersant viscosity index improver. 4,826,613, 5-2-89, Cl. 252-52.00R.

Hart, William W. C.: *See*—

Rothgery, Eugene F.; Hart, William W. C.; Smith, Edward F. III; Phillips, Steven D.; Sandel, Bonnie B.; and Gavin, David F., 4,812,896, Cl. 357-70.000.

Hartan, Hans-Georg: *See*—

Kaussen, Manfred; Stockhausen, Dolf; Hartan, Hans-Georg; and Landscheidt, Alfons, 4,813,966, Cl. 8-94.230.

Hartco Company: *See*—

Langas, Arthur; and Ayres, Donald B., 4,815,182, Cl. 29-91.000.

Langas, Arthur; Ayres, Donald B.; and Gustafson, Glenn H., 4,829,643, Cl. 29-91.000.

Hartdorn, Jeffrey L. Portable underwater breathing apparatus. 4,832,013, 5-23-89, Cl. 128-202.140.

Harte, Francis A.; and Fusco. Mark E. Automotive snow plow with tow ring receiving push bar plates. 4,833,799, 5-30-89, Cl. 37-231.000.

Harte, J. Richard. Electric probe used to activate correct and incorrect response areas in an instructional apparatus. 4,802,092, 1-31-89, Cl. 364-411.000.

Harte, Kenneth J.: *See*—

Langner, Guenther O.; and Harte, Kenneth J., 4,820,927, Cl. 250-492.200.

Hartec Gesellschaft fur Hartstoffe und Dunnschichttechnik mbH & Co. KG: *See*—

dos Santos Pereina Ribeiro, Carlos A. S. P., 4,883,574, Cl. 204-192.150.

Hartel, Franklin J.: *See*—

Schrepf, Volker; and Hartel, Franklin J., 4,861,179, Cl. 401-129.000.

Hartel, Volker; Hoglinger, Gerhard; and Schreiber, Hans, to Metzeler GmbH. Method of producing an inflatable hollow body. 4,846,917, 7-11-89, Cl. 156-286.000.

Hartel, Volker; Theisen, Dieter; and Oppermann, Gunter, to Metzeler Kautschuk GmbH. Two-chamber engine bearing which has hydraulic damping. 4,880,216, 11-14-89, Cl. 267-140.100.

Hartelius, Marshall V.; and Ames, Victor H. Railcar moving vehicles. 4,843,973, 7-4-89, Cl. 105-26.100.

Hartemann, Frederick; and Bekefi, George, to United States of America, Air Force. Cerenkov electrooptic shutter. 4,835,391, 5-30-89, Cl. 250-361.00R.

Harter, Donald J., to Allied-Signal Inc. Method of manufacturing chromium-doped beryllium aluminate laser rod and lasers incorporating the rods therein. 4,809,283, 2-28-89, Cl. 372-41.000.

Hartfeil, Guenther, to Jones, Charles, a part interest. Confidential post card. 4,872,705, 10-10-89, Cl. 283-67.000.

Harth, Arthur R.: *See*—

Williams, Bernhard O.; and Harth, Arthur R., 4,831,758, Cl. 40-510.000.

Harth, Hubert: *See*—

Richtler, Hans-Joachim; Kreutzer, Udo; Carduck, Franz-Josef; Koester, Klaus; and Harth, Hubert, 4,874,552, Cl. 260-400.000.

Wuest, Willi; Harth, Hubert; Springer, Dirk; and Foerg, Franz, 4,851,525, Cl. 540-542.000.

Harth, Ralf: *See*—

Schonlau, Juergen; Birkenbach, Alfred; and Harth, Ralf, 4,828,329, Cl. 303-9.690.

Schonlau, Juergen; Birkenbach, Alfred; and Harth, Ralf, 4,840,433, Cl. 303-9.680.

Schonlau, Juergen; Volz, Peter; and Harth, Ralf, 4,858,999, Cl. 303-9.630.

Harth & Seifert GmbH: *See*—

Schafer, Roland; and Rizk, Farid, 4,878,758, Cl. 366-101.000.

Hartig, Franz: *See*—

Dreal, Hans-Jurgen; Schierling, Bernhard; Hartig, Franz; and Caspar, Manfred, 4,813,295, Cl. 74-572.000.

Schierling, Bernhard; Caspar, Manfred; Raab, Harald; Hartig, Franz; Pieper, Norbert; and Grosspietsch, Wolfgang, 4,809,830, Cl. 192-3.290.

Hartig, Gunter, to INA Walzlager Schaeffler KG. Overrunning clutch with locking elements. 4,867,292, 9-19-89, Cl. 192-41.00A.

Hartig, Juergen: *See*—

Neubauer, Gerald; Schnabel, Rolf; Hartig, Juergen; and Ritz, Josef, 4,814,511, Cl. 568-342.000.

Hartig, Klaus; and Dietrich, Anton, to Leybold Aktiengesellschaft. Method and equipment for coating substrates by means of a plasma discharge using a system of magnets to confine the plasma. 4,863,756, 9-5-89, Cl. 427-39.000.

Hartig, Klaus: *See*—

Bauer, Volker; Feuerstein, Albert; Hartig, Klaus; Kienel, Gerhard; Lammermann, Helmuth; and Zirkel, Wolfgang, 4,828,872, Cl. 427-39.000.

Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.

Dietrich, Anton; Hartig, Klaus; Schaefer, Hans-Christian; and Szczyrbowski, Joachim, 4,830,876, Cl. 427-96.000.

Hartig, Martval J. Method for making welded hollow plastic plate heat exchangers. 4,820,468, 4-11-89, Cl. 264-163.000.

Harting, Dietmar; Nagel, Hans; Nowacki, Horst; and Schmidt, Hartmuth, to Harting Elektronik GmbH. Pin-shaped contact element that can be fixed in printed circuit board boreholes. 4,867,710, 9-19-89, Cl. 439-757.000.

Harting Elektronik GmbH: *See*—

Harting, Dietmar; Nagel, Hans; Nowacki, Horst; and Schmidt, Hartmuth, 4,867,710, Cl. 439-757.000.

Harting, Thomas E., to General Motors Corporation. Compact actuator for a concealed headlamp assembly. 4,821,155, 4-11-89, Cl. 362-65.000.

Hartings, Michael F., to Monarch Marking Systems, Inc. Magnetic antenna. 4,890,115, 12-26-89, Cl. 343-742.000.

Hartings, Michael F.: *See*—

Feltz, John F.; Hartings, Michael F.; and Heaton, Richard D., 4,872,018, Cl. 343-742.000.

Hartitz, J. Ernst, to B. F. Goodrich Company, The. Method of making extruded amorphous thermoplastic pipe having reduced internal stress. 4,888,148, 12-19-89, Cl. 264-209.500.

Hartl, Gerhard: *See*—

Ludwig, Albert; Philipp, Karl-Heinz; Hartl, Gerhard; Jarosch, Berthold; and Greger, Horst, 4,844,230, Cl. 194-335.000.

Hartl, Hans-Georg, to Hewlett-Packard Company. Mixing valve. 4,860,793, 8-29-89, Cl. 137-606.000.

Hartl, Roland; and Kraemer, Dieter, to Rohm GmbH. Method for inducing antibody formation. 4,806,348, 2-21-89, Cl. 424-85.000.

Hartlage, John J., to United Technologies Corporation. Positionally adjustable mirror arrangement. 4,810,079, 3-7-89, Cl. 350-636.000.

Hartlaub, Gregory R.; and Barbera, Melvin A. Oral compositions. 4,871,531, 10-3-89, Cl. 424-48.000.

Hartlepp, Karl H., to Dominion Chain Inc. Conveyor loading system. 4,813,528, 3-21-89, Cl. 198-463.400.

Hartlepp, Karl H., to Dominion Chain Inc. Sorter tilt mechanism. 4,846,335, 7-11-89, Cl. 198-365.000.

Hartless, Mac L.; and Johnson, Alan L., to General Electric Company. Location dependent signal processor. 4,860,373, 8-22-89, Cl. 382-41.000.

Hartley, Brian. Vehicle anti-roll back device. 4,867,282, 9-19-89, Cl. 188-82.100.

Hartley, E. Dale; and Hartley, F. Scott, to Product Research and Development. Pump with variable angle wobble plate. 4,797,069, 1-10-89, Cl. 417-222.000.

Hartley, E. Dale; and Hartley, F. Scott, to Product Research and Development. Reciprocating device and switching mechanism therefor. 4,827,831, 5-9-89, Cl. 91-237.000.

Hartley, E. Dale; and Hartley, F. Scott, to Product Research and Development. Valve system for a reciprocating device. 4,827,832, 5-9-89, Cl. 91-269.000.

Hartley, F. Scott: *See*—

Hartley, E. Dale; and Hartley, F. Scott, 4,797,069, Cl. 417-222.000.

Hartley, E. Dale; and Hartley, F. Scott, 4,827,831, Cl. 91-237.000.

Hartley, E. Dale; and Hartley, F. Scott, 4,827,832, Cl. 91-269.000.

Hartley, G. Cecil: *See*—

Ahmed, Belal; Eisner, Andrew; Foodman, Harold; Hartley, G. Cecil; Hartley, Michael; and Marsh, Robert, 4,819,176, Cl. 364-468.000.

Hartley, James F. M., to Foseco International Limited. Rotary pouring nozzle for a vessel for holding molten metal. 4,840,295, 6-20-89, Cl. 222-598.000.

Hartley, James L.; and Berninger, Mark S., to Life Technologies, Inc. Method of detecting nucleic acid sequences. 4,808,519, 2-28-89, Cl. 435-6.000.

Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., to International Business Machines Corporation. Apparatus for connecting data processing equipment to a communication network. 4,868,863, 9-19-89, Cl. 379-98.000.

Hartley, Kathleen R.: *See*—

Lampe, Warren R.; Moore, Annette A.; and Hartley, Kathleen R., 4,861,670, Cl. 428-447.000.

Hartley, Larry D.; and Greenquist, Duane R., to Hoover Group, Inc. Wash station for tanks. 4,805,652, 2-21-89, Cl. 134-159.000.

Hartley, Michael: *See*—

Ahmed, Belal; Eisner, Andrew; Foodman, Harold; Hartley, G. Cecil; Hartley, Michael; and Marsh, Robert, 4,819,176, Cl. 364-468.000.

- Hartley, Paul A.; Pavlisko, Joseph A.; and Wright, Hal E., to Eastman Kodak Company. Roll useful in electrostatography. 4,853,737, 8-1-89, Cl. 355-289.000.
- Hartley, Philip J. Liquid filtering apparatus. 4,816,154, 3-28-89, Cl. 210-448.000.
- Hartley, Richard I.; and Corbett, Peter F., to General Electric Company. Low-latency two's complement bit-serial multiplier. 4,860,240, 8-22-89, Cl. 364-757.000.
- Hartley, Rolfe J.: *See—*
  - Papay, Andrew G.; and Hartley, Rolfe J., 4,857,214, Cl. 252-32.500.
- Hartley, Susan I.; and Short, Ralph L., to Hartley, Susan I.; and Hartley Trolline Limited, a part interest. Releasable downrigger trolling apparatus. 4,817,328, 4-4-89, Cl. 43-43.120.
- Hartley Trolline Limited: *See—*
  - Hartley, Susan I.; and Short, Ralph L., 4,817,328, Cl. 43-43.120.
- Hartline, Jack I.: *See—*
  - Cameron, Robert W.; Dressler, Gary J.; and Hartline, Jack I., 4,842,100, Cl. 184-6.200.
- Hartline, Michael F., to Super Sagless Corporation. Sofa ottoman. 4,861,101, 8-29-89, Cl. 297-69.000.
- Hartline, Stephen D.: *See—*
  - Corbin, Normand D.; Hartline, Stephen D.; and Rossetti, George A., Jr., 4,869,943, Cl. 428-114.000.
- Hartling, Christiane; and Rabassa, Alberto, to Ciba-Geigy Corporation. Process for the continuous workup of aqueous crude dye suspensions. 4,865,744, 9-12-89, Cl. 210-651.000.
- Hartman, Andrew F., to Canning, Timothy A. Corner structure and blank for a tray or tray cover. 4,795,084, 1-3-89, Cl. 229-175.000.
- Hartman, David R., to Owens-Corning Fiberglas Corporation. Ballistic materials. 4,842,923, 6-27-89, Cl. 428-219.000.
- Hartman, Frederick A.: *See—*
  - Mermelstein, Robert; and Hartman, Frederick A., 4,844,821, Cl. 252-8.700.
- Hartman, Frederick N.; and Knight, Alan C., to Du Pont de Nemours, E. I., and Company. Multilayer circuit board with fluoropolymer interlayers. 4,824,511, 4-25-89, Cl. 156-306.600.
- Hartman, George: *See—*
  - Halczenko, Wasyl; Hartman, George; and Pitzenberger, Steven M., 4,837,205, Cl. 514-25.000.
- Hartman, George D.; and Prugh, John D., to Merck & Co., Inc. Substituted thieno[2,3-b]thiophene-2-sulfonamides as antiglaucoma agents. 4,806,562, 2-21-89, Cl. 514-443.000.
- Hartman, George D.; Halczenko, Wasyl; and Phillips, Brian T., to Merck & Co., Inc. Fused polycyclic and bridged compounds useful as calcium channel blockers. 4,808,718, 2-28-89, Cl. 546-14.000.
- Hartman, George D.; and Prugh, John D., to Merck & Co., Inc. Substituted thieno[3,2-b]thiophene-2-sulfonamides as topically active carbonic anhydrase inhibitors. 4,876,271, 10-24-89, Cl. 514-443.000.
- Hartman, George D.: *See—*
  - Baldwin, John J.; Habecker, Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., 4,847,289, Cl. 514-445.000.
  - Duggan, Mark; and Hartman, George D., 4,857,546, Cl. 514-460.000.
  - Prugh, John D.; Hartman, George D.; and Halczenko, Wasyl, 4,798,831, Cl. 514-253.000.
- Hartman, Grant H., Jr.: *See—*
  - Puski, Gabor; Euber, John R.; and Hartman, Grant H., Jr., 4,830,861, Cl. 426-18.000.
- Hartman, Guy J., to A. E. Staley Manufacturing Company. Flavoring material possessing fermented soy sauce characteristics. 4,874,625, 10-17-89, Cl. 426-533.000.
- Hartman, Hendrikus G.; Labrie, Cornelis; Leijenhorst, Jan; and Rietveld, Adrianus, to SKF Industrial Trading and Development Company B.V. Seal for an axle bearing. 4,848,937, 7-18-89, Cl. 384-480.000.
- Hartman, Herbert N., to E. Gluck Corporation. Wrist watch box. 4,830,181, 5-16-89, Cl. 206-45.190.
- Hartman, James; and Schwartzman, Blake. Perimetrical watch protector. 4,837,756, 6-6-89, Cl. 368-286.000.
- Hartman, Janet A. Postbox signal. 4,840,307, 6-20-89, Cl. 232-35.000.
- Hartman, John, to Minnesota Mining and Manufacturing Company. Low profile clip connector with integral contact support insert. 4,798,544, 1-17-89, Cl. 439-404.000.
- Hartman, John E.: *See—*
  - McCoy, Michael J.; Hartman, John E.; and Wesbster, John L., 4,884,335, Cl. 29-839.000.
- Hartman, John S.: *See—*
  - Halter, Joseph M.; Hartman, John S.; Lind, Michael A.; Skiens, W. Eugene; Swanson, John W.; and Biles, Jonathan R., 4,825,430, Cl. 369-275.000.
- Hartman, Kenneth D.; and Owen, Donald B., to Steiner Company, Inc. Electronic towel dispenser. 4,826,262, 5-2-89, Cl. 312-38.000.
- Hartman, Kenneth D.: *See—*
  - Owen, Donald B.; and Hartman, Kenneth D., 4,835,366, Cl. 219-317.000.
- Hartman, LeRoy. Tow frame. 4,881,603, 11-21-89, Cl. 172-311.000.
- Hartman, Marvis E., to PPG Industries, Inc. Method of treating a polyolefin substrate with adhesion promoters containing optical brightener. 4,888,205, 12-19-89, Cl. 427-54.100.
- Hartman, Marvis E.: *See—*
  - Faler, Dennis L.; McCollum, Gregory J.; O'Dwyer, James B.; and Hartman, Marvis E., 4,833,177, Cl. 523-221.000.
  - Perez, Leon A.; Hartman, Marvis E.; and Suss, Naomi R., 4,822,685, Cl. 428-423.300.
  - Poole, James E.; and Hartman, Marvis E., 4,880,849, Cl. 522-10.000.
- Hartman, Richard L., to United States of America, Army. Remote angle measurement—especially missile yaw measurement. 4,818,104, 4-4-89, Cl. 356-138.000.
- Hartman, Richard L., to United States of America, Army. Hybrid optical correlator. 4,869,574, 9-26-89, Cl. 350-162.130.
- Hartman, Robert A.; and Peloschek, Hans P., to U.S. Philips Corporation. Test method for LCD elements. 4,843,312, 6-27-89, Cl. 324-158.00R.
- Hartman, Robert L.: *See—*
  - Bobeck, Andrew H.; Harriott, Lloyd R.; Hartman, Robert L.; Kaplan, Daniel R.; Przybylek, George J.; and Tabor, William J., 4,870,649, Cl. 372-19.000.
- Hartman, Stuart J.: *See—*
  - Johnson, Grannis S.; Grinstein, Reuben H.; Hartman, Stuart J.; and Dallago, Raymond P., 4,879,414, Cl. 564-388.000.
- Hartman, Thomas A. Angle pattern control valve. 4,825,906, 5-2-89, Cl. 137-625.300.
- Hartman, Uwe; van den Driesche, Michel; Mai, Udo; and Maige, Philippe, to Deutsche Thomson-Brandt GmbH. External-power stage. 4,868,662, 9-19-89, Cl. 358-190.000.
- Hartman, Warren E.; Leiss, Richard S.; and Updegraff, Robert S., to Worthington Foods, Inc. Fiber/tofu food product and method for making the same. 4,818,558, 4-4-89, Cl. 426-634.000.
- Hartmann, Albert: *See—*
  - Baschang, Gerhard; Hartmann, Albert; Hirt, Hans; Lucas, Bohumir; and Wirz, Peter, 4,885,285, Cl. 514-114.000.
- Hartmann, Andreas: *See—*
  - Giesselmann, Gunter; Hartmann, Andreas; and Bruckner, Karl-Heinz, 4,846,935, Cl. 203-86.000.
- Hartmann & Braun AG: *See—*
  - Ruse, Alois, 4,879,245, Cl. 436-124.000.
- Hartmann, Dirck T. Shock absorber for mountain bicycles. 4,815,763, 3-28-89, Cl. 280-276.000.
- Hartmann, Dirck T. Dual wheel driven tricycle with a fully enclosed multiple speed drive. 4,826,190, 5-2-89, Cl. 280-236.000.
- Hartmann, Dirck T. Enclosed multiple speed drive for low maintenance chain driven bicycles. 4,842,291, 6-27-89, Cl. 280-238.000.
- Hartmann, Dirck T. ATB shock absorber. 4,881,750, 11-21-89, Cl. 280-276.000.
- Hartmann, Ernst-Siegfried: *See—*
  - Bauer, Lothar; Strusch, Wolfgang; Hartmann, Ernst-Siegfried; Schleiermacher, Herbert; and Wahnschaffe, Juergen, 4,834,030, Cl. 123-41.720.
  - Wahnschaffe, Jurgen; Hartmann, Ernst-Siegfried; and Schleiermacher, Herbert, 4,834,029, Cl. 123-41.420.
- Hartmann, Erwin: *See—*
  - Romhild, Ludwig; Hartmann, Erwin; and Reinhard, Peter, 4,820,153, Cl. 433-118.000.
  - Romhild, Ludwig; Hartmann, Erwin; and Reinhard, Peter, 4,820,154, Cl. 433-128.000.
  - Romhild, Ludwig; Hartmann, Erwin; and Reinhard, Peter, 4,854,080, Cl. 51-55.000.
- Hartmann, Franz; and Wulff, Dieter, to Nordischer Maschinenbau Rud Baader GmbH & Co. KG. Apparatus for cleaning the abdominal cavity of fish. 4,837,898, 6-13-89, Cl. 17-58.000.
- Hartmann, Franz: *See—*
  - Janutta, Reinhard; Hartmann, Franz; and Hinzmann, Gerd, 4,878,319, Cl. 51-271.000.
- Hartmann, Gunter; Swoboda, Ralf; and Lang, Robert, to Siemens Aktiengesellschaft. Manipulation device for hose mounting. 4,839,954, 6-20-89, Cl. 29-235.000.
- Hartmann, Hans-Heinrich; and Streubel, Hans, to SMS Schloemann-Siemag Aktiengesellschaft. Mold for continuous casting of a flanged rollable billet for a rolled girder or beam and rollable billet made therewith. 4,881,589, 11-21-89, Cl. 164-491.000.
- Hartmann, Hans-Heinrich: *See—*
  - Engel, Georg; Hartmann, Hans-Heinrich; Koethe, Peter; Svagr, Alexandr; and Onderka, Bernd, 4,864,838, Cl. 72-225.000.
- Hartmann, Heinrich: *See—*
  - Baur, Richard; Denzinger, Walter; Eckell, Albrecht; Hartmann, Heinrich; Mueller, Josef; Raubenheimer, Hans-Juergen; and Trieselt, Wolfgang, 4,814,102, Cl. 252-174.240.
  - Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, 4,818,794, Cl. 525-327.800.
  - Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Winkler, Ekhard; and Raubenheimer, Hans-Juergen, 4,818,795, Cl. 525-327.800.
  - Denzinger, Walter; Hartmann, Heinrich; Gockel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, 4,886,859, Cl. 525-327.800.
  - Kroener, Michael; Schmidt, Willi; Oftring, Alfred; Proll, Theo; and Hartmann, Heinrich, 4,814,505, Cl. 564-216.000.
  - Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, 4,846,994, Cl. 252-174.210.
  - Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, 4,846,995, Cl. 252-174.210.
  - Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, 4,849,126, Cl. 252-174.230.
  - Nowakowsky, Bernhard H.; Beck, Juergen; Hartmann, Heinrich; and Vamvakaris, Christos, 4,873,299, Cl. 526-73.000.
  - Pfohl, Sigberg; Kroener, Michael; Hartmann, Heinrich; and Denzinger, Walter, 4,880,497, Cl. 162-135.000.
  - Rehmer, Gerd; Niessner, Manfred; Heide, Wilfried; Hartmann, Heinrich; and Peters, Karl-Clemens, 4,879,361, Cl. 526-201.000.
- Hartmann, Heinz: *See—*
  - Eckstein, Fritz; Hunsmann, Gerhard; and Hartmann, Heinz, 4,880,782, Cl. 514-45.000.
- Hartmann, Hermann; and Frohbose, Hanjurgen, to Diessel GmbH & Co. Amplifier for timed electrical measurement signals. 4,814,722, 3-21-89, Cl. 330-149.000.
- Hartmann, Horst: *See—*
  - Bott, Kaspar; Hartmann, Horst; and Guth, Josef, 4,889,950, Cl. 560-205.000.
- Hartmann, John F., to Merck & Co., Inc. Antihypertensive therapy for diabetics. 4,798,821, 1-17-89, Cl. 514-9.000.
- Hartmann, Jorg; and Hoffmann, Dieter, to Kern & Co. Ltd. Instrument casing assembly. 4,869,105, 9-26-89, Cl. 73-431.000.
- Hartmann, Karl-Heinz: *See—*
  - Kurze, Peter; Krysmann, Waldemar; Berger, Maria; Rabending, Klaus; Schreckenbach, Joachim; Schwarz, Thomas; and Hartmann, Karl-Heinz, 4,869,789, Cl. 204-56.100.
- Hartmann, Klaus: *See—*
  - Zimmermann, Willibald; Hartmann, Klaus; and Wessel, Heinz, 4,802,948, Cl. 156-500.000.
- Hartmann & Lammle GmbH Co. KG: *See—*
  - Schulze, Eckehart, 4,837,912, Cl. 29-38.00C.
  - Schulze, Eckehart, 4,873,912, Cl. 91-389.000.
- Hartmann, Ludwig; Loecher, Engelbert; Ruzek, Ivo; and Weber, Norbert. Tufting base for carpets made of a spunbonded fabric, a method of manufacturing the base, and a tufting carpet. 4,842,915, 6-27-89, Cl. 428-95.000.
- Hartmann, Ludwig A.; and Stephen, John F., to ICI Americas Inc. Difunctional polyfluoroaromatic derivatives and a process of preparing the same. 4,866,185, 9-12-89, Cl. 548-521.000.
- Hartmann, Manfred: *See—*
  - Fischhof, Josef; and Hartmann, Manfred, 4,830,607, Cl. 432-5.000.
- Hartmann, Peter; and Kohler, Joachim, to Wella Aktiengesellschaft. Cosmetic compositions with a content of hydrogenperoxide and alpha-bisabolol as well as use of alpha-bisabolol for the stabilization of hydrogenperoxide. 4,844,886, 7-4-89, Cl. 424-62.000.
- Hartmann, Peter: *See—*
  - Greiche, Joussef; Hartmann, Peter; and Kohler, Joachim, 4,859,459, Cl. 424-71.000.
- Hartmann, Philip W.: *See—*
  - Chan, Kenneth K.; Hartmann, Philip W.; Lamons, Scott P.; Lyons, Terry G.; and Milonas, Argyrios C., 4,823,338, Cl. 370-85.000.
- Hartmann, Richard. Body-liquid collecting and mattress protecting apparatus. 4,870,710, 10-3-89, Cl. 5-90.000.
- Hartmann, Robert F.: *See—*
  - Wong, Sau-Ching; So, Hock-Chuen; Kopec, Stanley J., Jr.; and Hartmann, Robert F., 4,871,930, Cl. 307-465.000.
- Hartmann, Rolf W.; and Batzl, Christine, to Asta-Pharma Aktiengesellschaft. Novel derivatives of 3-aryl-3-cycloalkyl-piperidine-2,6-dione. 4,839,370, 6-13-89, Cl. 514-328.000.
- Hartmann, Theo, to VS Vereinigte Spezialmobelfabriken Verwaltungs GmbH. Seating furniture, more particularly chair. 4,852,944, 8-1-89, Cl. 297-445.000.
- Hartmann, Ulrich; Fessel, Reinhard; and Jansen, Dirk, to Bodenseewerk Geratetechnik GmbH. Inertial sensor arrangement. 4,823,626, 4-25-89, Cl. 74-5.340.
- Hartmann, Uwe; and Ohnemus, Fritz, to Deutsche Thomson-Brandt GmbH. Method of generating a voltage with a triangular shape from a sawtooth waveform. 4,841,251, 6-20-89, Cl. 328-36.000.
- Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, to Deutsche Thomson-Brandt GmbH. Television receiver with receiving devices for processing videotext and teletext signals. 4,849,818, 7-18-89, Cl. 358-142.000.
- Hartmann, Uwe; and Mai, Udo, to Deutsche Thomson-Brandt GmbH. Television receiver with a synchronized external-power stage. 4,864,406, 9-5-89, Cl. 358-194.100.
- Hartmann, Uwe: *See—*
  - Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, 4,814,672, Cl. 315-411.000.
  - Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, 4,835,610, Cl. 358-158.000.
  - Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, 4,860,102, Cl. 358-158.000.
  - Erdmann, Dietrich; Van Ghemen, Max E.; Pohl, Ludwig; Schumann, Herbert; Hartmann, Uwe; Wassermann, Wilfried; Heyen, Meino; and Jurgensen, Holger, 4,880,492, Cl. 156-610.000.
  - Gleim, Gunter; Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, 4,795,947, Cl. 315-384.000.
- Hartmann, Walter: *See—*
  - Koschlig, Hans-Joachim; Hartmann, Walter; Heumoller, Martin; and Kunkel, Willi, 4,833,115, Cl. 502-439.000.
- Hartmann, Wayne T.: *See—*
  - Bartow, Richard E.; Darrow, William K.; and Hartmann, Wayne T., 4,862,265, Cl. 358-139.000.
- Hartmann, Werner; Dolata, Hans; and Buchholtz, Jochen, to Stihl, Andreas. Saw chain for a chain saw. 4,841,824, 6-27-89, Cl. 83-830.000.
- Hartmann, Werner; and Moller, Henning, to Korber AG. Method of and apparatus for making a stream from particles of the tobacco processing industry. 4,865,052, 9-12-89, Cl. 131-844.000.
- Hartmann, Werner: *See—*
  - Fischer, Manfred; Dussler, Klaus; Linke, Wilfried; and Hartmann, Werner, 4,796,360, Cl. 30-384.000.
  - Schrors, Gunter; Brendel, Bernhard; and Hartmann, Werner, 4,877,331, Cl. 374-153.000.
- Hartmann, Wilbert J. A. M., to U.S. Philips Corporation. Method of driving a ferroelectric liquid crystal display device and associated display device to achieve gray scale. 4,840,462, 6-20-89, Cl. 350-350.00S.
- Hartmann, Willi: *See—*
  - Heinz, Richard; Hartmann, Willi; Willmann, Hartmut; and Walter, Josef, 4,816,950, Cl. 360-128.000.
  - Loffler, Tilo; and Hartmann, Willi, 4,833,749, Cl. 12-12.400.
- Hartmeier, Werner N., to RCA Licensing Corporation. Digitally controlled phase locked loop system. 4,802,009, 1-31-89, Cl. 358-158.000.
- Hartmuller, Herbert: *See—*
  - Bauer, Gerd H.; Gorisch, Armin; Hartmuller, Herbert; Meyer, Gerhard; Nicklas, Alexander; Prokasky, Detlef; and Schill, Jurgen, 4,799,857, Cl. 415-185.000.
  - Bauer, Gerd H.; Feldle, Gunter; Hartmuller, Herbert; Luhn, Ernst; Nicklas, Alexander; and Schuster, Oliver, 4,828,457, Cl. 415-182.100.
- Hartnack, Wolfgang; Keesen, Werner; and Schutze, Herbert, to Deutsche Thomson-Brandt GmbH. Transformation circuit. 4,860,097, 8-22-89, Cl. 358-133.000.
- Hartnack, Wolfgang; and Schutze, Herbert, to Deutsche Thomson-Brandt GmbH. Method and apparatus for improving the resolution of digital signals. 4,887,157, 12-12-89, Cl. 358-133.000.
- Hartnack, Wolfgang: *See—*
  - Keesen, Heinz-Werner; and Hartnack, Wolfgang, 4,814,871, Cl. 358-133.000.
  - Keesen, Werner; Hartnack, Wolfgang; and Westerkamp, Dietrich, 4,807,033, Cl. 358-167.000.
- Hartness International: *See—*
  - Hartness, Robert G., 4,833,860, Cl. 53-261.000.
  - Hartness, Thomas S.; and Hartness, Robert G., 4,835,946, Cl. 53-539.000.
- Hartness International, Inc.: *See—*
  - Hartness, Thomas S.; and Koffskey, John M., 4,830,173, Cl. 198-442.000.
  - Hartness, Thomas S., 4,848,651, Cl. 229-125.330.
- Hartness, Robert G., to Hartness International. Grid structure. 4,833,860, 5-30-89, Cl. 53-261.000.
- Hartness, Robert G.: *See—*
  - Hartness, Thomas S.; and Hartness, Robert G., 4,835,946, Cl. 53-539.000.
- Hartness, Roy, to Pneumafil Corporation. Energy conservation system for cooling and conditioning air. 4,857,090, 8-15-89, Cl. 62-91.000.
- Hartness, Samuel S.: *See—*
  - Kile, Edwin N.; Irwin, Gary W.; and Hartness, Samuel S., 4,862,039, Cl. 315-194.000.
- Hartness, Thomas S.; and Koffskey, John M., to Hartness International, Inc. Indexing apparatus for aligning articles in parallel rolls. 4,830,173, 5-16-89, Cl. 198-442.000.
- Hartness, Thomas S.; and Hartness, Robert G., to Hartness International. Article transport apparatus. 4,835,946, 6-6-89, Cl. 53-539.000.
- Hartness, Thomas S., to Hartness International, Inc. Carton for shipping or displaying of articles. 4,848,651, 7-18-89, Cl. 229-125.330.
- Hartnett, Michael J.; Lugosi, Robert; Rollins, James; Cook, John P.; and Clark, Jeffrey A., to Torrington Company, The. Method of making a camshaft for reciprocating piston engines. 4,858,295, 8-22-89, Cl. 29-156.40R.
- Hartnett, Thomas J., Jr.: *See—*
  - O'Leary, William J.; Hartnett, Thomas J., Jr.; and Jones, Richard G., 4,798,590, Cl. 604-153.000.
- Hartog, Arthur H.; Gold, Martin P.; and Leach, Adrian P., to York Limited. Optical time-domain reflectometry. 4,823,166, 4-18-89, Cl. 356-44.000.
- Hartog, Jan; Wouters, Wouter; and van Wijngaarden, Lneke, to Duphar International Research B.V. Blood-pressure lowering 4-bicyclic-1-piperazinyl-alkyl amides. 4,833,142, 5-23-89, Cl. 514-254.000.
- Hartog, Jan; and Mos, Johannes, to Duphar International Research B.V. Anxiolytically active piperazine derivatives. 4,889,852, 12-26-89, Cl. 514-230.500.
- Harton, Lynn M.; Rosenberger, Bruce R.; Anderson, John D.; and Walker, Clarence W., to General Electric Company. Insulated electrical power distribution busway tabs. 4,886,468, 12-12-89, Cl. 439-212.000.
- Harton, Lynn M.: *See—*
  - Anderson, John D.; Harton, Lynn M.; and Hibbert, David A., 4,820,178, Cl. 439-212.000.
- Hartopp, Robert. Cleaning system. 4,804,005, 2-14-89, Cl. 134-57.00R.
- Hartranft, Marc D.: *See—*
  - Boler, Clifford H.; Hartranft, Marc D.; and Hendrickson, Thomas E., 4,797,724, Cl. 357-42.000.
- Hartranft, Thomas P.: *See—*
  - Aid, James D.; Cameron, Norman F.; and Hartranft, Thomas P., 4,827,430, Cl. 364-510.000.
- Hartridge, Leonard S. G.; Taylor, David W.; and Waters, Roger L., to Imperial Chemical Industries PLC. Coating compositions. 4,868,232, 9-19-89, Cl. 524-35.000.
- Hartsaw, Robert E. Illuminated cargo rack. 4,800,470, 1-24-89, Cl. 362-73.000.
- Hartsfield, Ben W. Competitive computer educational game. 4,877,408, 10-31-89, Cl. 434-350.000.
- Hartshorn, Angus J.: *See—*
  - Ngian, Kian F.; Hartshorn, Angus J.; and Jenkins, David H., 4,822,575, Cl. 423-82.000.
- Hartshorn, Gary, to Vande Sande, Lee. Universal circular enclosure for standard strip fluorescent fixture. 4,858,087, 8-15-89, Cl. 362-219.000.
- Hartsing, Tyler F., Jr. Laminate comprising three sheets of a thermoplastic resin. 4,851,287, 7-25-89, Cl. 428-325.000.

Hartsing, Tyler F., Jr.: *See—*
Sauers, Marvin E.; Hartsing, Tyler F., Jr.; and McMaster, Lee P., 4,877,682, Cl. 428-412.000.
Hartsuiker, Hendrik; and Knapp, Dorcel W., to Continental Grain Company. Drive mechanism for bucket elevators. 4,799,584, 1-24-89, Cl. 198-709.000.
Hartter, Timothy R.: *See—*
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Harttig, Erich H.; Buck, Reinhold J.; and Gohl, Hermann J., to Gambro Dialysatoren KG. Process for producing hollow fiber semi-permeable membranes. 4,812,269, 3-14-89, Cl. 264-41.000.
Hartung, Erika, Volker Hartung, Dirk Hartung, heirs: *See—*
Hartung, Sigurd, deceased; Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, 4,885,418, Cl. 570-211.000.
Hartung, Georg: *See—*
Kobler, Ingo; and Hartung, Georg, 4,805,530, Cl. 101-350.000.
Hartung, Joe; and Cox, William C., III. Airborne tree trimming apparatus. 4,815,263, 3-28-89, Cl. 56-235.000.
Hartung, Karl-Heinz, to Dragerwerk Aktiengesellschaft. Protective breathing apparatus having breathing air circulation. 4,811,732, 3-14-89, Cl. 128-204.260.
Hartung-Merse, Birgit, heir: *See—*
Hartung, Sigurd, deceased; Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, 4,285,418, Cl. 570-211.000.
Hartung, Robert L.: *See—*
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Hartung, Sigurd, deceased (by Hartung, Erika, Volker Hartung, Dirk Hartung, heirs); by Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, to Bayer Aktiengesellschaft. Process for removing metal halides from liquid organic water-immiscible substances. 4,885,418, 12-5-89, Cl. 570-211.000.
Hartvigsen, Jay A.; and Moyer, William C., to Motorola, Inc. Dynamic disable mechanism for a memory management unit. 4,888,688, 12-19-89, Cl. 364-200.000.
Hartvigsen, Jay A.: *See—*
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Hartweck, Winfried G.; and Hahn, Ulrich, to Deutsche Filterbau GmbH. Process for calcining limestone. 4,854,861, 8-8-89, Cl. 432-14.000.
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Hartwell, David W.; Bloom, Elbert; and Triolo, Victoria M., to Digital Equipment Corporation. Bus adapter module with improved error recovery in a multibus computer system. 4,837,767, 6-6-89, Cl. 371-49.000.
Hartwell, David W.; Bloom, Elbert; and Triolo, Victoria M., to Digital Equipment Corporation. Method and apparatus for error recovery in a multibus computer system. 4,858,234, 8-15-89, Cl. 371-14.000.
Hartwell, David W.: *See—*
Triolo, Victoria M.; Bloom, Elbert; and Hartwell, David W., 4,864,496, Cl. 364-200.000.
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Hartwich, Gerhard: *See—*
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Hartwick, L. Paul, to Trek-Tron Coolers Inc. Voltage sensitive switch. 4,881,024, 11-14-89, Cl. 323-299.000.
Hartwig, Carl S. M.; and Johansson, Sven H., to Institut Cerac S.A. Starting device. 4,853,554, 8-1-89, Cl. 290-46.000.
Hartwig, Donald R.: *See—*
Van Natta, Terry L.; and Hartwig, Donald R., 4,796,550, Cl. 111-87.000.
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Hartwig, Klaus, to Kaymar-Parkguard Inc. Parking space guard. 4,875,797, 10-24-89, Cl. 404-9.000.
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Hartwig, Wolfgang, to Bayer Aktiengesellschaft; and Chinese Academy of Medical Sciences. Gamma-butyrolactams. 4,803,285, 2-7-89, Cl. 548-551.000.
Hartwig, Wolfgang, to Bayer Aktiengesellschaft; and Chinese Academy of Medical Sciences. Pure enantiomers of 4,5-disubstituted gamma-butyrolactams, and their use as antiamnestic agents. 4,847,287, 7-11-89, Cl. 514-423.000.
Hartwig, Wolfgang: *See—*
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Habich, Dieter; and Hartwig, Wolfgang, 4,841,042, Cl. 540-200.000.
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Habich, Dieter; Hartwig, Wolfgang; Metzger, Karl G.; and Zeiler, Hans-Joachim, 4,863,916, Cl. 514-210.000.
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Hartz Mountain Corporation: *See—*
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Haruch, James, to Spraying Systems Co. Spray nozzle assembly with recessed deflector. 4,828,182, 5-9-89, Cl. 239-432.000.
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Haruna, Koichi: *See—*
Watanabe, Toshinori; Haruna, Koichi; Motoyama, Hiroshi; Nishigaki, Toru; Sasaki, Koji; Yakata, Teruo; and Watanabe, Yoshitaka, 4,890,227, Cl. 364-300.000.
Haruna, Tohru; Nishikawa, Kazunori; and Hamajima, Mitsuhiro, to Adeka Argus Chemical Co., Ltd. Composition of stabilized synthetic resin. 4,885,326, 12-5-89, Cl. 524-291.000.
Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, to Hitachi, Ltd.; and Hitachi Computer Peripherals Co., Ltd. Recording/reproducing method and apparatus of magnetic disk unit in which playback commences before the magnetic head is completely centered on the track. 4,803,572, 2-7-89, Cl. 360-60.000.
Harunari, Yoshihiro: *See—*
Tsuboi, Takayuki; Nakazawa, Isao; Harunari, Yoshihiro; Sato, Yasuhisa; and Yamada, Yasuyuki, 4,862,202, Cl. 354-195.120.
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Haruta, Kenyu: *See—*
Wakata, Hitoshi; Inoue, Mitsuo; Sato, Yukio; Haruta, Kenyu; and Nagai, Haruhiko, 4,837,773, Cl. 372-86.000.
Haruta, Masahiro; Ozawa, Kunitaka; and Hamamoto, Takashi, to Canon Kabushiki Kaisha. System for purifying dye. 4,802,989, 2-7-89, Cl. 210-688.000.
Haruta, Masahiro; Matsuda, Hiroshi; Munakata, Hirohide; and Nishimura, Yukuo, to Canon Kabushiki Kaisha. Medium and process for image formation. 4,818,665, 4-4-89, Cl. 430-494.000.
Haruta, Masahiro; Kuwae, Yoko; Munakata, Hirohide; Yuasa, Satoshi; and Sugawa, Etsuko, to Canon Kabushiki Kaisha. Optical recording medium and method for conducting recording on said medium. 4,873,178, 10-10-89, Cl. 430-327.000.
Haruta, Masahiro: *See—*
Matsuda, Hiroshi; Haruta, Masahiro; Munakata, Hirohide; Tomita, Yoshinori; and Hamamoto, Takashi, 4,804,613, Cl. 430-270.000.
Nishimura, Yukuo; Haruta, Masahiro; Hirai, Yutaka; Sakai, Kunihiro; and Matsuda, Hiroshi, 4,796,981, Cl. 350-353.000.
Nishimura, Yukuo; Yuasa, Satoshi; Haruta, Masahiro; Yoshinaga, Yoko; and Munakata, Hirohide, 4,832,466, Cl. 350-354.000.
Sugata, Hiroyuki; Nakata, Kouhei; Mizusawa, Nobutoshi; Yuasa, Satoshi; Haruta, Masahiro; Hamamoto, Takashi; and Ouchi, Kuniji, 4,798,694, Cl. 264-60.000.
Yuasa, Satoshi; Munakata, Hirohide; Yoshinaga, Yoko; Haruta, Masahiro; and Nishimura, Yukuo, 4,881,798, Cl. 350-353.000.
Haruta, Masatake; and Kobayashi, Tetsuhiko, to Agency of Industrial Science & Technology; and Ministry of International Trade. Method for the production of ultra-fine gold particles immobilized on a metal oxide. 4,839,327, 6-13-89, Cl. 502-243.000.
Haruvy, Yair; Katz, Moshe; and Horowitz, Abraham A., to State of Israel, Atomic Energy Commission, Soreq Nuclear Research Center, The Protective composite materials, their production and articles of protective clothing made therefrom. 4,872,220, 10-10-89, Cl. 2-243.00A.
Haruyama, Hideaki; and Kobayashi, Hiroshi, to Kabushiki Kaisha Toshiba. System for adjusting signal transmission timing to prevent signal collisions. 4,811,338, 3-7-89, Cl. 370-85.000.
Haruyama, Satoshi: *See—*
Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,859,805, Cl. 174-68.500.
Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,885,431, Cl. 174-68.500.
Machida, Hideo; Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,806,706, Cl. 174-68.500.
Haruyama, Tetsuo; Shiramatsu, Kuniaki; Udagawa, Shigeo; and Yoshikawa, Yukihiro, to Mitsubishi Denki Kabushiki Kaisha. Microstrip antenna. 4,835,540, [illegible]-89, Cl. 343-700.0MS.
Haruyama, Tetsuo: *See—*
Udagawa, Shigeo; Haruyama, Tetsuo; Orime, Nobutake; and Katagi, Takashi, 4,827,270, Cl. 343-853.000.
Harvard Industries, Inc.: *See—*
Palinchak, Stephen, 4,842,024, Cl. 138-125.000.
Harvard Sports, Inc.: *See—*
Dadbeh, Bemanali H., 4,798,381, Cl. 273-1.50R.
Harvell, John T.; and Lessard, Philip A., to Helix Technology Corporation. Vacuum system with molecular flow line. 4,860,546, 8-29-89, Cl. 62-55.500.
Harvest, Nils-Ole; and Rasmussen, Jorgen, to Danfoss A/S. AC rectifier circuit with means for limiting the rectified voltage. 4,811,189, 3-7-89, Cl. 363-53.000.
Harvestaire Pty Ltd.: *See—*
Brooks, Donald G., 4,866,919, Cl. 56-12.900.
Harvey, Albert J., to Dinagraphics, Inc. Continuous motion round bottle turret. 4,806,197, 2-21-89, Cl. 156-449.000.
Harvey, Arthur E., Sr.; Harvey, Thomas J.; and Harvey, Donald H. Method of forming an anatomical occlusal surface configuration on a tooth-like member and stamp for use in connection therewith. 4,881,898, 11-21-89, Cl. 433-215.000.
Harvey, Charles R. Life protector enclosure for mines. 4,815,363, 3-28-89, Cl. 98-50.000.
Harvey, David H. C.; and Menelaus, Ian G., to Stabilad Limited. Ladder stabilizer. 4,798,263, 1-17-89, Cl. 182-107.000.
Harvey, David J.: *See—*
Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
Harvey, Donald H.: *See—*
Harvey, Arthur E., Sr.; Harvey, Thomas J.; and Harvey, Donald H., 4,881,898, Cl. 433-215.000.
Harvey, Donald M., to Eastman Kodak Company. Motor-driven film transport apparatus. 4,855,773, 8-8-89, Cl. 354-173.100.
Harvey, Donald M., to Eastman Kodak Company. Film cassette with magnetic film leader. 4,860,037, 8-22-89, Cl. 354-21.000.
Harvey, Donald M., to Eastman Kodak Company. Camera apparatus for advancing a film leader from a film cassette. 4,860,041, 8-22-89, Cl. 354-212.000.
Harvey, Donald M., to Eastman Kodak Company. Camera apparatus for magnetically encoding a film leader. 4,864,332, 9-5-89, Cl. 354-21.000.
Harvey, Donald M., to Eastman Kodak Company. Film cassette. 4,875,638, 10-24-89, Cl. 242-71.100.
Harvey, Donald M., to Eastman Kodak Company. Film cassette. 4,887,110, 12-12-89, Cl. 354-275.000.
Harvey, Donald R.: *See—*
Ross, Richard E.; and Harvey, Donald R., 4,856,842, Cl. 296-136.000.
Harvey, Geoffrey W.: *See—*
Spratt, Marc M.; Harvey, Geoffrey W.; and Jackola, Thor A., 4,826,601, Cl. 210-610.000.
Harvey, George T., to American Telephone and Telegraph Company. Method for aligning photomasks. 4,835,078, 5-30-89, Cl. 430-22.000.
Harvey, Harold H., Jr.: *See—*
Lynde, Gerald D.; Winterrowd, Kenneth W.; and Harvey, Harold H., Jr., 4,796,709, Cl. 166-55.600.
Harvey Industries, Inc.: *See—*
Ritola, Edward, 4,801,233, Cl. 414-789.500.
Scalzi, John, 4,813,180, Cl. 49-161.000.
Harvey, James A.: *See—*
Butler, John M.; Chartoff, Richard P.; and Harvey, James A., 4,855,450, Cl. 548-522.000.
Harvey, John D.; and Cindre, Andre V., to Goodyear Tire & Rubber Company, The. Crack resistant coating for masonry structures. 4,804,693, 2-14-89, Cl. 523-219.000.
Harvey, John D.; and Cindre, Andre V., to Goodyear Tire & Rubber Company, The. Crack resistant coating for masonry structures. 4,882,219, 11-21-89, Cl. 428-220.000.
Harvey, John W.: *See—*
Tharp, Terry M.; Roberts, David W.; McCartney, John C.; and Harvey, John W., 4,837,669, Cl. 362-418.000.
Harvey, Maria: *See—*
Alphonse, Gerard A.; Hawrylo, Frank Z.; and Harvey, Maria, 4,821,276, Cl. 372-45.000.
Harvey, Peter: *See—*
Radage, Paul; and Harvey, Peter, 4,869,573, Cl. 350-96.230.
Harvey, Richard A.: *See—*
Greco, Ralph S.; Harvey, Richard A.; and Trooskin, Stanley Z., 4,879,135, Cl. 427-2.000.
Harvey, Richard D.; and Klem, Robert E., to Grain Processing Corporation. Preparation of filler compositions for paper. 4,799,964, 1-24-89, Cl. 106-436.000.
Harvey, Robert D. Method and apparatus for dispensing oil well proppant additive. 4,840,292, 6-20-89, Cl. 222-1.000.
Harvey, Robert J., to Scientific Design Company, Inc. Preparation of alkylene carbonates. 4,841,072, 6-20-89, Cl. 549-230.000.

Harvey, Robert J., to Automatik Machinery Corporation. Apparatus and method for spectrophotometric analysis of a material in a moving process stream. 4,888,484, 12-19-89, Cl. 250-343.000.
Harvey, Robin J., to Hughes Aircraft Company. Wide band free electron laser with variable phase and frequency. 4,819,238, 4-4-89, Cl. 372-2.000.
Harvey, Robin J.: *See—*
Dolezal, Franklin A.; and Harvey, Robin J., 4,888,776, Cl. 372-2.000.
Harvey, Roger W.; and Schnell, William J., to Baxter Travenol Laboratories, Inc. Method of simultaneously assembling and sterilizing a unitary container and a fluid transfer set. 4,816,221, 3-28-89, Cl. 422-25.000.
Harvey, Ronald B.: *See—*
Kallenberg, Karl J.; and Harvey, Ronald B., 4,847,645, Cl. 354-77.000.
Harvey, Thomas D.: *See—*
Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,852,839, Cl. 248-225.100.
Winter, Russell K.; Harvey, Thomas D.; Savas, Nedim; and Kain, Richard S., 4,854,535, Cl. 248-225.200.
Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,858,774, Cl. 211-184.000.
Harvey, Thomas J. Eye construction for toy doll. 4,875,888, 10-24-89, Cl. 446-392.000.
Harvey, Thomas J.: *See—*
Harvey, Arthur E., Sr.; Harvey, Thomas J.; and Harvey, Donald H., 4,881,898, Cl. 433-215.000.
Harvey, Timothy J., to Zenith Electronics Corporation. Teletext receiver with page up and page down functions. 4,837,620, 6-6-89, Cl. 358-142.000.
Harvey, Todd: *See—*
Hubert, Jean-Luc; Harvey, Todd; and Bajcar, Miles, 4,813,245, Cl. 62-380.000.
Harvey-Westbury Corp.: *See—*
Trattner, Burton, 4,823,241, Cl. 362-183.000.
Harvey, William A.: *See—*
Torok, Ernest J.; Krawczak, John A.; Fritz, Bernard S.; and Harvey, William A., 4,838,637, Cl. 350-96.180.
Harvey, William G.: *See—*
Miller, Adam C.; Hazar, Mitchell M.; and Harvey, William G., 4,797,208, Cl. 210-606.000.
Harvey, William O., to Kysor Industrial Corporation. Pulley and hub assembly. 4,838,841, 6-13-89, Cl. 474-190.000.
Harville, Donald G.: *See—*
Freeman, David L.; Rockley, Mark G.; and Harville, Donald G., 4,839,516, Cl. 250-255.000.
Harville, Dyle: *See—*
Phillips, Eddie; Harville, Dyle; Lee, Mildred; Kirby, Danny; Ellison, Kathleen; Smithy, Mary J.; McNutt, Eugene; Gholston, Yvonne; Brewer, Jim; and McClure, Charles, 4,887,774, Cl. 242-58.600.
Harward Irrigation Systems, Inc.: *See—*
Harward, Randall T., 4,824,020, Cl. 239-264.000.
Harward, Randall T., to Harward Irrigation Systems, Inc. Sprinkler stand. 4,824,020, 4-25-89, Cl. 239-264.000.
Harwardt, Irene: *See—*
Schubring, Reinhard; Witt, Juergen; Harwardt, Irene; Neumann, Sigrd; Schneider, Christoph; Mieth, Gerhard; Raue, Wolfgang; and Brueckner, Juergen, 4,852,477, Cl. 99-450.200.
Harwath, Frank A.; and Leonard, Russell J., to Molex Incorporated. Hermaphroditic L. I. F. mating electrical contacts. 4,820,182, 4-11-89, Cl. 439-290.000.
Harwath, Frank L., to Suntec Industries Incorporated. Pump with valve adjusting screw. 4,856,553, 8-15-89, Cl. 137-509.000.
Harwath, Frank L., to Suntex Industries Incorporated. Diaphragm-actuated valve for a gear pump. 4,858,884, 8-22-89, Cl. 251-61.400.
Harwell, J. Matt: *See—*
Demny, Albert C.; Harwell, J. Matt; Etheridge, Reggie H.; and Bush, Robert E., 4,886,121, Cl. 166-382.000.
Harwell, Robert W.; and Simon, William M., to Microluminetics. Thermoelectric refrigeration apparatus. 4,833,889, 5-30-89, Cl. 62-3.200.
Harwick, Warren J.: *See—*
Myers, Michael J.; and Harwick, Warren J., 4,858,767, Cl. 209-3.100.
Myers, Michael J.; and Harwick, Warren J., 4,880,120, Cl. 209-3.100.
Harwood, Charles, Jr., to Harwood-Moody, Ent., Inc. Security activated load control. 4,801,082, 1-31-89, Cl. 236-46.00R.
Harwood, Colin F.: *See—*
Degen, Peter J.; and Harwood, Colin F., 4,882,056, Cl. 210-490.000.
Harwood, Craig E.; and Strathman, Lyle R., to Rockwell International Corp. Real time apparatus for adjusting contrast ratio of liquid crystal displays. 4,888,599, 12-19-89, Cl. 340-812.000.
Harwood, Craig E.: *See—*
Strathman, Lyle R.; and Harwood, Craig E., 4,811,003, Cl. 340-701.000.
Harwood, John W., to Harwood Protection Industries Inc. Protective covers for display cases. 4,804,877, 2-14-89, Cl. 312-114.000.
Harwood, Jon W.; and Moring, Walter G., III, to AP Parts Manufacturing Company. Stamp formed exhaust muffler with conformal outer shell. 4,821,840, 4-18-89, Cl. 181-282.000.
Harwood, Jon W.; and Kimmet, Mark S., to AP Industries, Inc. Plural chamber stamp formed muffler with single intermediate tube. 4,836,330, 6-6-89, Cl. 181-282.000.

Harwood, Jon W.; and Karlgaard, Wayne A., to AP Parts Manufacturing Company. Method of manufacturing stamp formed mufflers. 4,847,965, 7-18-89, Cl. 29-157.00R.

Harwood, Jon W.: *See—*
- Rosa, Bruno A.; Harwood, Jon W.; Moring, Walter G., III; and Resuggan, Peter L., 4,806,726, Cl. 219-121.670.

Harwood, Joseph T.: *See—*
- Hogg, Jeffrey; and Harwood, Joseph T., 4,841,697, Cl. 52-208.000.

Harwood-Moody, Ent., Inc.: *See—*
- Harwood, Charles, Jr., 4,801,082, Cl. 236-46.00R.

Harwood Protection Industries Inc.: *See—*
- Harwood, John W., 4,804,877, Cl. 312-114.000.

Harwood, Van N., Jr.; Dosch, Jeffrey J.; and Netteland, Loyal G. Closed circuit breathing apparatus. 4,879,996, 11-14-89, Cl. 128-202.260.

Harwood, Vance R.: *See—*
- Firooz, Kamran; Harwood, Vance R.; Illick, Robert C., Jr.; and Crook, David T., 4,799,023, Cl. 328-110.000.

Harwood, Warren K.: *See—*
- Jones, Keith E.; and Harwood, Warren K., 4,855,697, Cl. 333-33.000.

Hary, Guenter, to Honeywell GmbH. Apparatus for transducing an electrical signal into a pneumatic signal. 4,848,726, 7-18-89, Cl. 251-129.020.

Harz, Gerhard; and Reichl, Erwin, to Sachsenwerk Aktiengesellschaft. Tensioning device for the driving spring of an energy store for electrical switches. 4,806,715, 2-21-89, Cl. 200-400.000.

Harzl, Erich; Maier, Karl; and Namdar, Sirous, to Maschinenfabrik Andritz Actiengesellschaft. Process and a device for removing foreign solids from pulpers. 4,863,107, 9-5-89, Cl. 241-21.000.

Hasagawa, Kazuo: *See—*
- Ouchi, Junichi; Sasaki, Hiroaki; and Hasagawa, Kazuo, 4,845,346, Cl. 250-221.000.

Hasan, Moh'd A., to General Electric Company. Blind speed elimination for dual displaced phase center antenna radar processor mounted on a moving platform. 4,885,590, 12-5-89, Cl. 342-196.000.

Hasan, Saleem: *See—*
- Beard, Richard B.; Hasan, Saleem; Scoles, Kevin J.; and Onaral, Banu, 4,854,865, Cl. 433-18.000.

Hasan, Syed H.: *See—*
- Elger, Walter; Beier, Sybille; Fahnrich, Marianne; Kosub, Beate; Chwalisz, Krzysztof; and Hasan, Syed H., 4,888,331, Cl. 514-170.000.

Hasbro, Inc.: *See—*
- Smith, Katharine F., 4,823,824, Cl. 135-120.000.

Haschart, Karl E.: *See—*
- Dyment, James A.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,794,764, Cl. 62-250.000.
- Dyment, James A.; Callon, Floyd R.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,848,856, Cl. 312-135.000.

Hascher-Reichl, Asta: *See—*
- Kirchner, Marcel; Kubach, Hans; and Hascher-Reichl, Asta, 4,795,098, Cl. 239-585.000.

Haschka, Friedrich: *See—*
- Kistrup, Holger; Benczur-Urmossy, Gabor; and Haschka, Friedrich, 4,835,015, Cl. 427-306.000.

Hase, Brigitte: *See—*
- Fischer, Herbert; Hase, Brigitte; Moller, Hinrich; Wilk, Hans-Christoph; and Zeidler, Ulrich, 4,801,601, Cl. 514-384.000.

Hase, Hiroyuki; Tokuono, Shinya; and Wakamiya, Masayuki, to Matsushita Electric Industrial Co., Ltd. Torque sensor. 4,823,617, 4-25-89, Cl. 73-862.360.

Hase, Hiroyuki: *See—*
- Yamashita, Ichiro; Wakamiya, Masayuki; Hase, Hiroyuki; and Tokuono, Shinya, 4,812,758, Cl. 324-209.000.

Hase, Kazuo; and Nakano, Kazuo, to OKI Electric Industry Co., Ltd. Automatic telephone dialing method and apparatus. 4,805,212, 2-14-89, Cl. 379-359.000.

Hase, Takashi; Jinnai, Toshio; Fujino, Shigeo; Hayashi, Masato; and Toshinai, Akio, to Kasei Optonix, Ltd. Borate phosphor. 4,810,416, 3-7-89, Cl. 252-301.60R.

Hase, Takashi; and Yoshida, Hidemi, to Kasei Optonix Limited. Phosphor and electron excited fluorescent display device using the same. 4,874,985, 10-17-89, Cl. 313-487.000.

Hase, Takashi: *See—*
- Kagami, Akiyasu; and Hase, Takashi, 4,831,269, Cl. 250-484.100.
- Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.

Hasebe, Hiroshi: *See—*
- Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Hasebe, Hiroshi; and Yamada, Tessho, 4,808,269, Cl. 204-1.00T.
- Kawanabe, Tomohiko; Asakura, Masahiko; Kimura, Katsuhiko; Seki, Yasunari; Matsuura, Kouji; and Hasebe, Hiroshi, 4,868,756, Cl. 364-442.000.

Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; and Nishikawa, Toshihiro, to Fuji Photo Film Co., Ltd. Corner development type silver halide photographic emulsions. 4,820,624, 4-11-89, Cl. 430-567.000.

Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; Nishikawa, Toshihiro; Sakanoue, Kei; and Abe, Akira, to Fuji Photo Film Co., Ltd. Photographic light-sensitive material and method of developing the same. 4,865,962, 9-12-89, Cl. 430-567.000.

Hasebe, Kazunori: *See—*
- Momoki, Yasuhito; and Hasebe, Kazunori, 4,803,152, Cl. 430-567.000.
- Ueda, Shinji; Hasebe, Kazunori; and Nakajima, Junya, 4,818,673, Cl. 430-566.000.

Hasebe, Nobuhisa: *See—*
- Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; and Hasebe, Nobuhisa, 4,807,692, Cl. 164-430.000.
- Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hisashi; Ozeki, Akichika; and Hasebe, Nobuhisa, 4,821,790, Cl. 164-430.000.

Hasebe, Nobuyuki: *See—*
- Yoshino, Masachika; Hasebe, Nobuyuki; Fujiki, Hironao; and Inomata, Hiroshi, 4,879,339, Cl. 524-740.000.

Hasebe, Noriyuki: *See—*
- Tsuji, Shiro; Naya, Eizo; Yamanaka, Takashi; Usui, Yoshihiro; Ito, Hiroshi; and Hasebe, Noriyuki, 4,827,289, Cl. 346-76.0PH.

Haseda, Satoshi; Tsuzuki, Yoshihiko; Konishi, Yoshimune; and Suzuki, Motoshi, to Nippondenso Co., Ltd. Steering control apparatus for motor vehicles. 4,836,319, 6-6-89, Cl. 180-142.000.

Hasegawa, Akira; and Sakaguchi, Katsuyoshi, to Mitsubishi Jukogyo Kabushiki Kaisha. Tire vulcanizing machine. 4,813,861, 3-21-89, Cl. 425-28.100.

Hasegawa, Akira, to Fuji Photo Film Co., Ltd. Light-sensitive compositions and light-sensitive materials with phenolic resol having dibenzylic ether linkages. 4,842,983, 6-27-89, Cl. 430-175.000.

Hasegawa, Akira; Sakaguchi, Katsuyoshi; and Katayama, Hideaki, to Mitsubishi Jukogyo Kabushiki Kaisha. Center mechanism in tire vulcanizing machine. 4,846,649, 7-11-89, Cl. 425-33.000.

Hasegawa, Akira; and Ishiwa, Masayuki, to Furukawa Denki Kogyo Kabushiki Kaisha. Printed wiring board. 4,868,047, 9-19-89, Cl. 428-324.000.

Hasegawa, Akira, to Olympus Optical Co., Ltd. Imaging optical system. 4,874,232, 10-17-89, Cl. 350-427.000.

Hasegawa, Akira, to Fuji Photo Film Co., Ltd. Method of making a lithographic plate comprising microcapsules. 4,879,201, 11-7-89, Cl. 430-138.000.

Hasegawa, Akira, to G-C Toshi Kogyo Corporation. Method for curing dental resins. 4,880,887, 11-14-89, Cl. 526-141.000.

Hasegawa, Akira; Takahashi, Susumu; Tsuji, Kiyoshi; Nishioka, Kimihiko; and Matsui, Hiroshi, to Olympus Optical Co., Ltd. High resolution image pickup system with color dispersion means. 4,882,619, 11-21-89, Cl. 358-55.000.

Hasegawa, Akira: *See—*
- Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.
- Kurumada, Norimitsu; Kuribayashi, Hiroshi; Shibata, Setsuo; Wakabayashi, Toshikatsu; Hasegawa, Akira; and Shibuya, Mamoru, 4,800,042, Cl. 252-628.000.
- Ohkuwa, Hideki; and Hasegawa, Akira, 4,802,460, Cl. 128-6.000.
- Oho, Shigeru; Hirayama, Takeshi; Matsumoto, Masahiro; Hasegawa, Akira; Hamano, Fumio; and Shibata, Takanori, 4,855,896, Cl. 364-138.000.
- Okano, Tatsuro; and Hasegawa, Akira, 4,865,882, Cl. 427-195.000.
- Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
- Tohjoh, Yoshikazu; Hasegawa, Akira; and Sato, Tomoaki, 4,856,495, Cl. 128-6.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,806,521, Cl. 503-216.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,833,119, Cl. 503-210.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,134, Cl. 503-210.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,135, Cl. 503-210.000.

Hasegawa, Atsushi: *See—*
- Uchiyama, Kunio; Nishimukai, Tadahiko; and Hasegawa, Atsushi, 4,803,616, Cl. 364-200.000.

Hasegawa, Gary K. Clip and holder. 4,840,341, 6-20-89, Cl. 248-316.500.

Hasegawa, Hideki; and Ohno, Hideo, to Hokkaido University. Solid state electromagnetic wave amplifier. 4,847,565, 7-11-89, Cl. 330-5.000.

Hasegawa, Hiroaki; Miyata, Yasuji; Sugimoto, Koyata; and Nakamura, Akira, to Tokico, Ltd. Mass flowmeter. 4,811,606, 3-14-89, Cl. 73-861.380.

Hasegawa, Hirofumi, to Minolta Camera Kabushiki Kaisha. Image scanning apparatus with expanded magnification capability. 4,870,294, 9-26-89, Cl. 250-578.000.

Hasegawa, Hirofumi: *See—*
- Oyabu, Masaaki; Sugiura, Masamichi; Hasegawa, Hirofumi; and Nakatani, Munehiro, 4,837,846, Cl. 382-50.000.

Hasegawa, Hirokazu: *See—*
- Takai, Makoto; Itoh, Noriie; Hattori, Shin; Hasegawa, Hirokazu; and Wakabayashi, Toshio, 4,816,486, Cl. 514-620.000.

Hasegawa, Hiromi; and Ishiguro, Toshiaki, to Aisin Seiki Kabushiki Kaisha. Control circuit for fluid coupling with high-gear clutch. 4,828,084, 5-9-89, Cl. 192-3.300.

Hasegawa, Hiromi; and Ishiguro, Toshiaki, to Aisin Seiki Kabushiki Kaisha. Automatic transmission control method. 4,843,909, 7-4-89, Cl. 74-752.00C.

Hasegawa, Hiromi; and Ishiguro, Toshiaki, to Aisin Seiki Kabushiki Kaisha. Hydraulic control circuit for automatic transmission. 4,870,877, 10-3-89, Cl. 74-869.000.

Hasegawa, Hiromi; and Ishiguro, Toshiaki, to Aisin Seiki Kabushiki Kaisha. Control circuit for fluid coupling with lock-up clutch. 4,880,091, 11-14-89, Cl. 192-3.300.

Hasegawa, Hiroshi, to Olympus Optical Co., Ltd. Endoscope having fixing and expanding members. 4,807,598, 2-28-89, Cl. 128-6.000.

Hasegawa, Hiroshi, to Olympus Optical Co., Ltd. Hook forceps apparatus for industrial endoscopes. 4,848,817, 7-18-89, Cl. 294-19.100.

Hasegawa, Hiroshi; and Miyanaga, Hirofumi, to Olympus Optical Co., Ltd. Endoscope apparatus provided with endoscope insertion aid. 4,860,732, 8-29-89, Cl. 128-6.000.

Hasegawa, Hiroshi; Sugimoto, Koichi; Yano, Takeshi; Netsu, Tositada; Tani, Mitsukiyo; and Kojima, Tosaku, to Hitachi, Ltd. Wire stacked bonding method. 4,875,618, 10-24-89, Cl. 228-179.000.

Hasegawa, Hiroshi; Shioiri, Noriaki; Narita, Tadashi; and Katori, Tatsuhiko, to SS Pharmaceutical Co., Ltd. Novel gamma-butyrolactone derivatives. 4,876,359, 10-24-89, Cl. 548-533.000.

Hasegawa, Hiroshi, to Olympus Optical Co., Ltd. Endoscope with a removable cover member. 4,881,810, 11-21-89, Cl. 356-241.000.

Hasegawa, Hisao: *See—*
- Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,796,798, Cl. 228-146.000.

Hasegawa, Iwao, to Kabushiki Kaisha Toshiba. Paging system for electronic telephone apparatus. 4,802,209, 1-31-89, Cl. 379-217.000.

Hasegawa, Iwao: *See—*
- Oshima, Yasuhiro; Hasegawa, Iwao; Kakinuma, Katsuji; and Takahashi, Ryozi, 4,847,118, Cl. 427-275.000.

Hasegawa, Izumi; and Kamono, Takashi, to AMP Incorporated. Electrical connector for an electrical cable. 4,820,175, 4-11-89, Cl. 439-98.000.

Hasegawa, Jun: *See—*
- Kimura, Kazuya; Nakamoto, Akira; and Hasegawa, Jun, 4,838,766, Cl. 417-222.000.
- Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
- Suzuki, Shinichi; Hasegawa, Jun; and Takenaka, Kenji, 4,821,527, Cl. 62-209.000.
- Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,868,647, Cl. 358-98.000.
- Uehara, Masao; Sasaki, Masahiko; Kanno, Masahide; Hasegawa, Jun; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,887,153, Cl. 358-98.000.

Hasegawa, Junichi; and Takahashi, Hideharu, to Sanshin Kogyo Kabushiki Kaisha. Outboard jet propulsion device. 4,872,858, 10-10-89, Cl. 440-38.000.

Hasegawa, Junzo: *See—*
- Kutsuki, Hidetoshi; Sawa, Ikuo; Mori, Natsuki; Hasegawa, Junzo; and Watanabe, Kiyoshi, 4,857,468, Cl. 435-280.000.

Hasegawa, Kaoru; Uto, Shozo; and Hashimoto, Suzushi, to Showa Aluminum Corporation. Heat-exchanger of plate fin type. 4,804,041, 2-14-89, Cl. 165-166.000.

Hasegawa, Katsumi; Ohno, Michio; and Kadotsuji, Akira, to Toray Industries. Yarn winder. 4,852,819, 8-1-89, Cl. 242-18.00R.

Hasegawa, Katsumi; Ohno, Michio; Saito, Isoo; and Fujioka, Kotaro, to Toray Industries. Method for melt-spinning thermoplastic polymer fibers. 4,863,662, 9-5-89, Cl. 264-130.000.

Hasegawa, Kazumi; Ikeda, Hiroshi; and Ito, Wataru, to Citizen Watch Co., Ltd. Paper feed apparatus for printer. 4,813,800, 3-21-89, Cl. 400-606.000.

Hasegawa, Kazumi: *See—*
- Suzuki, Tetsumi; Hasegawa, Kazumi; Ando, Osamu; Furukawa, Nobuhiro; and Nishio, Koji, 4,795,687, Cl. 429-213.000.

Hasegawa, Kazuo; and Miyahara, Yoshinori, to Alps Electric Co., Ltd. Connector for optical fiber. 4,804,242, 2-14-89, Cl. 350-96.200.

Hasegawa, Kazuo; and Miyahara, Yoshinori, to Alps Electric Co., Ltd. Connector for optical fiber. 4,804,244, 2-14-89, Cl. 350-96.200.

Hasegawa, Kazuo; Ohuchi, Junichi; and Sasaki, Hiroaki, to Alps Electric Co., Ltd. Optical coordinate system input device. 4,812,642, 3-14-89, Cl. 250-221.000.

Hasegawa, Kazuo, to Alps Electric Co., Ltd. Light collimating member for photoelectric transfer apparatus. 4,818,860, 4-4-89, Cl. 250-227.000.

Hasegawa, Kazuo, to Alps Electric Co., Ltd. Photoelectric touch panel having parallel light emitting and detecting arrays separated by a light shield. 4,837,430, 6-6-89, Cl. 250-221.000.

Hasegawa, Kazuo, to Alps Electric Co., Ltd. Photodetecting circuit. 4,851,689, 7-25-89, Cl. 250-214.00B.

Hasegawa, Kazuo; Ouchi, Junichi; Sasaki, Hiroaki; Nakase, Koji; and Sasaki, Makoto, to Alps Electric Co., Ltd. Code reading apparatus. 4,859,840, 8-22-89, Cl. 235-463.000.

Hasegawa, Kazuo, to Alps Electric Co., Ltd. Signal processing apparatus and binary encoder circuit for the same. 4,870,262, 9-26-89, Cl. 235-462.000.

Hasegawa, Kazuo: *See—*
- Nakase, Kouji; and Hasegawa, Kazuo, 4,870,367, Cl. 328-168.000.
- Ohouchi, Junichi; Sasaki, Hiroaki; and Hasegawa, Kazuo, 4,801,797, Cl. 250-221.000.
- Ohuchi, Junichi; Hasegawa, Kazuo; and Sasaki, Hiroaki, 4,806,749, Cl. 250-221.000.
- Sasaki, Hiroaki; Hasegawa, Kazuo; Fukukawa, Noboru; and Yata, Masanori, 4,797,769, Cl. 360-99.080.
- Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, 4,825,209, Cl. 340-825.720.
- Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, 4,868,550, Cl. 340-712.000.
- Yoshioka, Takao; Kanai, Tsutomu; Aizawa, Yuichi; Horikoshi, Hiroyoshi; and Hasegawa, Kazuo, 4,873,255, Cl. 514-369.000.

Hasegawa, Keiko: *See—*
- Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000.

Hasegawa, Kenji; Matsui, Kyaji; Kita, Seiji; Kubo, Seiichiro; and Iida, Seiichi, to Sunstar Kabushiki Kaisha. Syringe. 4,795,444, 1-3-89, Cl. 604-218.000.

Hasegawa, Kenji; Higuma, Masahiko; Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; and Morohoshi, Naoya, to Canon Kabushiki Kaisha. Image forming method. 4,832,984, 5-23-89, Cl. 427-161.000.

Hasegawa, Kenji, to NEC Corporation. Data processing circuit for calculating either a total sum or a total product of a series of data at a high speed. 4,849,926, 7-18-89, Cl. 364-900.000.

Hasegawa, Kenji: *See—*
- Akiya, Takashi; and Hasegawa, Kenji, 4,887,097, Cl. 346-135.100.
- Tanaka, Akira; and Hasegawa, Kenji, 4,809,532, Cl. 72-337.000.

Hasegawa, Kinji: *See—*
- Katoh, Hideo; Hamano, Hisashi; Hasegawa, Kinji; and Noumi, Yoshihiro, 4,818,581, Cl. 428-143.000.

Hasegawa, Ko: *See—*
- Kuwabara, Nobuyuki; Hasegawa, Ko; Watanabe, Yuichi; and Moriguchi, Haruhiko, 4,870,428, Cl. 346-76.0PH.

Hasegawa, Kou: *See—*
- Kuwabara, Nobuyuki; Hasegawa, Kou; Sugimura, Hideo; Nakajima, Kazuhiro; and Moriguchi, Haruhiko, 4,855,758, Cl. 346-76.0PH.

Hasegawa, Makoto: *See—*
- Kagami, Isao; and Hasegawa, Makoto, 4,834,568, Cl. 400-707.100.
- Kagami, Isao; Hasegawa, Makoto; Yokota, Eiji; Takahashi, Kiyoshi; and Funahashi, Hiroyuki, 4,844,638, Cl. 400-636.000.
- Takahashi, Kenichi; Hasegawa, Makoto; and Makimoto, Mitsuo, 4,864,644, Cl. 455-326.000.

Hasegawa, Manabu: *See—*
- Yoshida, Shigeo; Kitagawa, Satoshi; Harada, Shozo; Koide, Tetsuya; and Hasegawa, Manabu, 4,797,319, Cl. 428-312.400.

Hasegawa, Masaaki: *See—*
- Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.

Hasegawa, Masahide, to Canon Kabushiki Kaisha. Rotary head type recording apparatus using rotary erasing head. 4,821,132, 4-11-89, Cl. 360-108.000.

Hasegawa, Masahide, to Canon Kabushiki Kaisha. Image pick-up apparatus for producing video signals of high information density in time base direction. 4,890,165, 12-26-89, Cl. 358-213.260.

Hasegawa, Masakasu: *See—*
- Onishi, Akihumi; Hasegawa, Masakasu; Takaoka, Michio; Motai, Tsuneaki; Ono, Motoyuki; and Yoshida, Shotaro, 4,840,552, Cl. 425-72.100.

Hasegawa, Masakazu; Takaoka, Michio; Yoshida, Syotaroh; and Akashi, Kazuya, to Fujikura Ltd. Laminated insulation. 4,820,570, 4-11-89, Cl. 428-140.000.

Hasegawa, Masamitsu; Tamura, Satoshi; Wakashima, Takashi; and Sugiyama, Isao, to Shin-Etsu Polymer Co., Ltd. Sheet material for ink-jet printing. 4,877,678, 10-31-89, Cl. 428-216.000.

Hasegawa, Masanaru: *See—*
- Kisoda, Akira; Suzuki, Hiroshi; Hosaka, Tomiharu; and Hasegawa, Masanaru, 4,808,437, Cl. 427-130.000.

Hasegawa, Masaru: *See—*
- Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.

Hasegawa, Masatake; Kobayashi, Hirotada; Sunazuka, Hideo; Yoshino, Akira; Matsuda, Takao; and Shingo, Yoshioki, to Fujikura Ltd. Flame-retardant composition and flame-retardant cable using same. 4,869,848, 9-26-89, Cl. 252-609.000.

Hasegawa, Masato, to Sanden Corporation. Scroll type fluid displacement apparatus with improved fixed scroll construction. 4,815,952, 3-28-89, Cl. 418-55.000.

Hasegawa, Michihiko: *See—*
- Mizutani, Taketomo; Shiraki, Kenhachi; Hasegawa, Michihiko; Koumoto, Yujiro; Tanimoto, Yoshihiro; Tanaka, Masayuki; Kimoto, Fumizo; and Hamada, Fumihiko, 4,796,052, Cl. 355-7.000.

Hasegawa, Mikio: *See—*
- Maruyama, Masahiro; Mori, Kazuhiro; Itemadani, Eiji; and Hasegawa, Mikio, 4,807,356, Cl. 29-740.000.

Hasegawa, Mineo: *See—*
- Shigematsu, Yasuhiko; and Hasegawa, Mineo, 4,847,015, Cl. 260-403.000.

Hasegawa, Minoru; and Hamaguchi, Norichika, to Nippon Tetrapod Co. Ltd. Sloping blocks and revetment structure using the same. 4,813,812, 3-21-89, Cl. 405-16.000.

Hasegawa, Mitsumasa: *See—*

Katoh, Yoshihisa; Ogawa, Takashi; and Hasegawa, Mitsumasa, 4,839,488, Cl. 219-69.180.

Katoh, Yoshihisa; Ogawa, Takashi; Nagao, Yukihiko; and Hasegawa, Mitsumasa, 4,863,617, Cl. 210-788.000.

Hasegawa, Mitsuo: *See—*

Mugiya, Hiroshi; Hasegawa, Mitsuo; and Arai, Youichi, 4,868,639, Cl. 357-74.000.

Hasegawa, Mitsutoshi: *See—*

Miyazawa, Seiichi; Hara, Toshitami; Nojiri, Hidetoshi; Sekiguchi, Yoshinobu; Hasegawa, Mitsutoshi; and Ikeda, Sotomitsu, 4,799,229, Cl. 372-50.000.

Hasegawa, Morihiro: *See—*

Yamauchi, Takashi; Hasegawa, Morihiro; and Akiyama, Ryuichi, 4,811,780, Cl. 164-428.000.

Hasegawa, Nobuo; and Okuyama, Eiichi, to Hitachi, Ltd. Device for air cooling bearing of hermetic dynamic machine. 4,814,653, 3-21-89, Cl. 310-90.000.

Hasegawa, Norio: *See—*

Fukuda, Hiroshi; Hasegawa, Norio; Tanaka, Toshihiko; and Kurosaki, Toshiei, 4,869,999, Cl. 430-311.000.

Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.

Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshihiko; Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ichiro; Kaga, Toru; and Kure, Tokuo, 4,882,289, Cl. 437-52.000.

Hasegawa, Nozomu: *See—*

Kimura, Etsuji; Hasegawa, Nozomu; and Nishiyama, Yutaka, 4,886,777, Cl. 505-1.000.

Hasegawa, Ryusuke, to Allied-Signal Inc. Glassy alloy identification marker. 4,823,113, 4-18-89, Cl. 340-551.000.

Hasegawa, Ryusuke; and Fish, Gordon E., to Allied-Signal Inc. Metallic glasses having a combination of high permeability, low coercivity, low AC core loss, low exciting power and high thermal stability. 4,834,814, 5-30-89, Cl. 148-304.000.

Hasegawa, Ryusuke; and Fish, Gordon E., to Allied-Signal Inc. Metallic glasses having a combination of high permeability, low coercivity, low ac core loss, low exciting power and high thermal stability. 4,834,816, 5-30-89, Cl. 148-304.000.

Hasegawa, Saburo; and Minai, Eiji, to Matsushita Electric Industrial Co., Ltd. Loading apparatus for a magnetic disk cartridge. 4,878,139, 10-31-89, Cl. 360-99.020.

Hasegawa, Saburo; and Minai, Eiji, to Matsushita Electric Industrial Co., Ltd. Driving apparatus for a magnetic head. 4,881,141, 11-14-89, Cl. 360-106.000.

Hasegawa, Shigeru: *See—*

Shimada, Nobuyoshi; Tomizawa, Takayuki; Hasegawa, Shigeru; Matsuo, Kaoru; Fujii, Akio; and Hoshino, Hiroo, 4,845,215, Cl. 544-265.000.

Hasegawa, Shigeyoshi: *See—*

Yamamori, Kiyoshi; Satoh, Kimikatsu; Hasegawa, Shigeyoshi; and Higuchi, Sadashi, 4,851,863, Cl. 346-140.00R.

Hasegawa, Shin-Ichi: *See—*

Inasaka, Jun; and Hasegawa, Shin-Ichi, 4,827,083, Cl. 174-68.500.

Hasegawa, Shin-ya: *See—*

Kato, Masayuki; Yamagishi, Fumio; Hasegawa, Shin-ya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,824,191, Cl. 350-3.720.

Hasegawa, Shinichi; and Yoshioka, Takayuki, to Pioneer Electronic Corporation. Temperature-compensated lens system. 4,838,665, 6-13-89, Cl. 350-418.000.

Hasegawa, Shinji: *See—*

Nakagomi, Tamihito; Kando, Yasuhiko; and Hasegawa, Shinji, 4,815,825, Cl. 350-337.000.

Wada, Akihiro; Kakuta, Rin-ichi; Ohuchi, Kenji; Sugiyama, Jun; and Hasegawa, Shinji, 4,888,387, Cl. 525-66.000.

Hasegawa, Shinya: *See—*

Yamagishi, Fumio; Hasegawa, Shinya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,810,046, Cl. 350-371.000.

Hasegawa, Shizuo: *See—*

Hosaka, Masao; Hasegawa, Shizuo; and Saito, Takashi, 4,811,047, Cl. 355-14.00E.

Suda, Kenichi; Hasegawa, Shizuo; and Matsuoka, Nobuo, 4,862,286, Cl. 358-494.000.

Hasegawa, Shumpei, to Honda Giken Kogyo Kabushiki Kaisha. Compression ratio-changing device for internal combustion engines. 4,864,975, 9-12-89, Cl. 123-48.00B.

Hasegawa, Shumpei, to Honda Giken Kogyo Kabushiki Kaisha. Compression ratio-changing device for internal combustion engines. 4,864,977, 9-12-89, Cl. 123-48.00B.

Hasegawa, Shusaku: *See—*

Sasamoto, Yasuhiko; Hasegawa, Shusaku; and Okazaki, Atsushi, 4,889,742, Cl. 426-643.000.

Hasegawa, Tadashi, to Mitsubishi Denki Kabushiki Kaisha. Guide mechanism for magnetic head positioning devices. 4,809,107, 2-28-89, Cl. 360-106.000.

Hasegawa, Tadashi: *See—*

Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.

Hasegawa, Tai; Monnai, Jun; and Matsuzaki, Masatoshi, to Konishiroku Photo Industry Co., Ltd. Platen for thermal transfer printer 4,816,842, 3-28-89, Cl. 346-76.0PH.

Hasegawa, Taiji: *See—*

Ishikawa, Hideaki; and Hasegawa, Taiji, 4,836,169, Cl. 123-480.000.

Shiraishi, Takashi; and Hasegawa, Taiji, 4,853,862, Cl. 364-431.050.

Hasegawa, Takafumi: *See—*

Misuda, Katsutoshi; and Hasegawa, Takafumi, 4,879,166, Cl. 428-212.000.

Hasegawa, Takao; and Endo, Hideo, to Nihon Muki Kabushiki Kaisha. Envelope type separator for storage battery and manufacturing process therefor. 4,818,340, 4-4-89, Cl. 162-125.000.

Hasegawa, Takashi, to Fujitsu Limited. Multiple-input multiple-output decoding circuit. 4,866,305, 9-12-89, Cl. 307-449.000.

Hasegawa, Tetsuo: *See—*

Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.

Touma, Kouichi; Hasegawa, Tetsuo; Kushida, Naoki; Yaegashi, Hisao; Tamura, Yasuyuki; and Kaneko, Shuzo, 4,882,593, Cl. 346-111.000.

Yaegashi, Hisao; Hasegawa, Tetsuo; Kushida, Naoki; Tohma Koichi; and Suzuki, Takayuki, 4,880,686, Cl. 428-212.000.

Hasegawa, Tooru: *See—*

Hatanaka, Kaoru; Tabata, Hajime; Hasegawa, Tooru; and Nakazawa, Yoshihiro, 4,870,545, Cl. 362-72.000.

Hasegawa, Toshiharu: *See—*

Mochizuki, Manabu; Kurotori, Tsuneo; and Hasegawa, Toshiharu, 4,801,965, Cl. 355-4.000.

Hasegawa, Toshihisa: *See—*

Sato, Toru; and Hasegawa, Toshihisa, 4,807,307, Cl. 4-251.000.

Sato, Toru; and Hasegawa, Toshihisa, 4,825,862, Cl. 128-207.150.

Hasegawa, Tsuneo; Matsumura, Mitsuma; Hashimoto, Atsuki; and Mikiya, Toshio, to Nitto Kohki Co., Ltd. Therapeutic appliance for improving functions of hand fingers. 4,807,606, 2-28-89, Cl. 128-77.000.

Hasegawa, Tsutomu: *See—*

Inuzuka, Toshio; Hasegawa, Tsutomu; Tomikawa, Minato; and Aoki, Shigeru, 4,889,766, Cl. 428-324.000.

Hasegawa, Yasuhiro: *See—*

Hirose, Kimimoto; and Hasegawa, Yasuhiro, 4,823,223, Cl. 360-132.000.

Hasegawa, Yasuo. Optical decoration system. 4,807,092, 2-21-89, Cl. 362-32.000.

Hasegawa, Yasuo. Light-emitting-end mounting mechanism in optical display panel. 4,814,948, 3-21-89, Cl. 362-32.000.

Hasegawa, Yasushi; and Haga, Hiroyo, to Nippon Steel Corporation. Highly tough ERW steel pipe with distinguished sour resistance. 4,804,021, 2-14-89, Cl. 138-171.000.

Hasegawa, Yo; Okano, Kazuyuki; Nakanishi, Akira; and Hatase, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Process for forming thin film of metal sulfides. 4,885,188, 12-5-89, Cl. 427-126.100.

Hasegawa, Yoichi: *See—*

Hojo, Shiro; Hasegawa, Yoichi; and Hirai, Takeo, 4,855,501, Cl. 564-314.000.

Hasegawa, Yoshihiro: *See—*

Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, 4,851,153, Cl. 252-518.000.

Hasegawa, Yoshio; and Okamura, Kiyohito, to Foundation: The Research Institute for Special Inorganic Materials, The. Organopolyarylsilanes, process for manufacturing the same and fibers comprising the same. 4,879,334, 11-7-89, Cl. 525-474.000.

Hasegawa, You: *See—*

Isozaki, Yasuhito; Okano, Kazuyuki; and Hasegawa, You, 4,888,210, Cl. 427-126.300.

Hasegawa, Yuji: *See—*

Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.

Hasegawa, Yukinobu: *See—*

Maruyama, Masatoshi; Hasegawa, Yukinobu; and Tange, Toyokichi, 4,797,339, Cl. 430-109.000.

Haselbarth, Volkmar: *See—*

Brantl, Victor; Haselbarth, Volkmar; and Zierenberg, Bernd, 4,826,686, Cl. 424-448.000.

Haselberger, Franz; and Vogel, Peter, to Fritz Gegauf Aktiengesellschaft Bernina-Nahmaschinenfabrik. Method of and apparatus for processing textile material webs, especially for the manufacture of quilts and the like. 4,883,009, 11-28-89, Cl. 112-266.100.

Haselby, Robert D.: *See—*

Stodder, Samuel A.; and Haselby, Robert D., 4,844,317, Cl. 226-137.000.

Haselkorn, Michael H., to Avco Corporation. Oxygen protection system for carbon. 4,868,056, 9-19-89, Cl. 428-408.000.

Haselton, E. Fletcher: *See—*

Mann, James A., Jr.; and Haselton, E. Fletcher, 4,840,570, Cl. 439-74.000.

Haselwarter, Klaus: *See—*

Dummer, Gerhard; Haselwarter, Klaus; Klaus, Hermann; Schmidhammer, Ludwig; and Strasser, Rudolf, 4,822,932, Cl. 570-226.000.

Hasemann, Fred: *See—*

Mertens, Ferdinand; Hasemann, Fred; and Wittig, Norbert, 4,806,843, Cl. 323-271.000.

Hasemi, Takashi: *See—*

Izawa, Shigeru; and Hasemi, Takashi, 4,881,214, Cl. 369-44.000.

Hasenack, Hendricus J. A.; and Poll, Ian, to Shell Oil Company. Partial combustion burner with spiral-flow cooled face. 4,865,542, 9-12-89, Cl. 431-160.000.

Hasenack, Hendricus J. A.; and Poll, Ian, to Shell Oil Company. Partial combustion burner with spiral-flow cooled face. 4,887,962, 12-19-89, Cl. 110-263.000.

Hasenack, Hendrikus J. A., to Shell Oil Company. Process for fuel combustion with low NO_x soot and particulates emission. 4,842,509, 6-27-89, Cl. 431-10.000.

Hasenack, Hendrikus J. A.: *See—*

Kuypers, Willem F.; and Hasenack, Hendrikus J. A., 4,858,538, Cl. 110-264.000.

Hasenack, Marvin L., Jr.: *See—*

Stolarczyk, Larry G.; Smoker, Kurt A.; Boese, Gerald J.; Mondt, William E.; Hasenack, Marvin L., Jr.; Zappanti, James L.; Smith, Seth A.; and Moore, Edward D., 4,879,755, Cl. 455-3.000.

Hasenberg, Daniel M.: *See—*

Goode, Mark G.; Hasenberg, Daniel M.; McNeil, Thomas J.; and Spriggs, Thomas E., 4,803,251, Cl. 526-59.000.

Hasenkamp, Friederich, to Metallverarbeitung Breyell-Dinslaken GmbH. Method for binding coils. 4,807,350, 2-28-89, Cl. 29-430.000.

Hasenknopf, Ludwig: *See—*

Ditzer, Erich; and Hasenknopf, Ludwig, 4,797,601, Cl. 318-443.000.

Hasenrath, Peter: *See—*

Senft, Helmut; and Hasenrath, Peter, 4,840,385, Cl. 277-53.000.

Hasenwinkle, Earl D.; and Wislocker, Frank, to Weyerhaeuser Company. Landscape timber building module. 4,834,585, 5-30-89, Cl. 405-286.000.

Hasenzahl, Ernest L. Remote measurement of high voltage AC with radar. 4,837,503, 6-6-89, Cl. 324-95.000.

Haseoka, Masahide: *See—*

Yamada, Jiro; Haseoka, Masahide; and Obata, Isao, 4,841,503, Cl. 369-14.000.

Hash, Kathleen M.: *See—*

Pearl, Peter M., 4,863,318, Cl. 409-89.000.

Hash, Martin D.: *See—*

Harmon, J. Paul; Kehoe, Peter J.; Rhodes, John D.; and Hash, Martin D., 4,853,717, Cl. 346-140.00R.

Hash, Ronald J., to Harris Corporation. Variable ratio power divider/-combiner. 4,823,096, 4-18-89, Cl. 333-109.000.

Hashem, Mohamed M.: *See—*

Login, Robert B.; Hashem, Mohamed M.; and Tracy, David J., 4,801,400, Cl. 252-357.000.

Tracy, David J.; Hashem, Mohamed M.; and Vara, Fulvio J., 4,806,609, Cl. 526-264.000.

Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., 4,830,851, Cl. 424-78.000.

Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., 4,842,858, Cl. 424-150.000.

Tracy, David J.; and Hashem, Mohamed M., 4,885,371, Cl. 548-554.000.

Hashemi, A. David; and Reinschmidt, Robert M., to Digital Equipment Corporation. Bipolar ram having state dependent write current. 4,853,898, 8-1-89, Cl. 365-189.110.

Hashemi, A. David; and Reinschmidt, Robert M., to Digital Equipment Corporation. Bipolar ram having no write recovery time. 4,864,540, 9-5-89, Cl. 365-179.000.

Hashiba, Kazuhiko: *See—*

Hirai, Shiro; Hirano, Hiroshi; Arai, Hirotoshi; Shibata, Hisanari; Kusayanagi, Yoshikazu; and Hashiba, Kazuhiko, 4,871,765, Cl. 514-471.000.

Hashiba, Masashi: *See—*

Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuchi, Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masashi; and Kato, Kazuo, 4,810,640, Cl. 435-25.000.

Hashiba, Takahiro: *See—*

Niwa, Minoru; and Hashiba, Takahiro, 4,808,776, Cl. 200-61.550.

Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tatsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, to Gunze Kabushiki Kaisha. Process and apparatus for forming laminate by thermocompression bonding. 4,861,409, 8-29-89, Cl. 156-308.200.

Hashida, Koichi: *See—*

Kohno, Teruhisa; and Hashida, Koichi, 4,834,469, Cl. 303-119.000.

Kono, Teruhisa; and Hashida, Koichi, 4,810,042, Cl. 303-92:000.

Kono, Teruhisa; Takata, Koji; and Hashida, Koichi, 4,867,122, Cl. 123-396.000.

Hashidate, Toshiaki: *See—*

Nakashima, Keishi; Iwata, Tetsuya; Tanaka, Yasuo; and Hashidate, Toshiaki, 4,811,142, Cl. 360-103.000.

Hashidume, Kazunari: *See—*

Sakata, Yoshitsugu; Hashidume, Kazunari; Iwata, Tsutomu; Mukai, Toyoharu; and Kida, Masaaki, 4,879,383, Cl. 544-37.000.

Hashiguchi, Junpei: *See—*

Hamada, Kiyoshi; Tomii, Kaoru; Hashiguchi, Junpei; and Nonomura, Kinzo, 4,816,724, Cl. 315-366.000.

Hashiguchi, Koichi; Tosaka, Akio; Irie, Toshio; and Takahashi, Isao, to Kawasaki Steel Corporation. Low yield ratio high-strength annealed steel sheet having good ductility and resistance to secondary cold-work embrittlement. 4,830,686, 5-16-89, Cl. 148-320.000.

Hashiguchi, Koichi: *See—*

Sakata, Kei; Hashiguchi, Koichi; and Okano, Shinobu, 4,857,117, Cl. 148-12.00C.

Hashiguchi, Makoto: *See—*

Fujimoto, Sachito; and Hashiguchi, Makoto, 4,848,303, Cl. 123-571.000.

Yamato, Akihiro; and Hashiguchi, Makoto, 4,840,156, Cl. 123-339.000.

Hashiguchi, Toshihiko; Ikegami, Yoshie; and Isono, Kesao, to Olympus Optical Co., Ltd. Hard endoscope of oblique view type. 4,850,342, 7-25-89, Cl. 128-6.000.

Hashiguchi, Yoshiyuki; Kishi, Masakiti; and Yagyu, Takehiko, to Kanegafuchi Chemical Industry Co., Ltd. Process for suspension polymerization. 4,870,143, 9-26-89, Cl. 526-70.000.

Hashihara, Hideharu; and Kitayama. Yu, to International Business Machines Corporation. Image processing method and system. 4,811,411, 3-7-89, Cl. 382-41.000.

Hashii, Masaaki: *See—*

Tsuji, Masanari; Tani, Yuji; Zaitsu, Akira; Shimamoto, Kojiro; Hashii, Masaaki; Donoue, Ikuo; Suzuki, Hiromi; and Sakakibara, Yoshihito, 4,808,835, Cl. 290-4.00A.

Hashii, Toshimitu, to Ryobi Limited. Power operated sanding machine. 4,837,981, 6-13-89, Cl. 51-170.0MT.

Hashim, Abdullah: *See—*

Clark, Alan D.; and Hashim, Abdullah, 4,829,526, Cl. 371-40.000.

Hashimato, Yasuhiro: *See—*

Takano, Hiroshi; and Hashimato, Yasuhiro, 4,838,835, Cl. 474-13.000.

Hashime, Toshiyuki: *See—*

Yoshida, Yasushi; [illegible]i, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; [illegible]i, Norihisa; and Hashime, Toshiyuki, 4,813,867, Cl. 4[illegible].000.

Hashimoto, Adio: *See—*

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Hashimoto, Akifumi: *See—*

Nakamura, Hiroyuki; Ito, Masashi; Itoi, Toshiki; and Hashimoto, Akifumi, 4,842,392, Cl. 350-247.000.

Hashimoto, Akihiro: *See—*

Muraishi, Masakazu; Hashimoto, Akihiro; and Otsuka, Kenro, 4,848,795, Cl. 280-801.000.

Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Hanai, Kazuko, 4,880,692, Cl. 428-323.000.

Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Yoneyama, Takashi, 4,880,693, Cl. 428-323.000.

Tanaka, Toyoaki; Ohira, Katuzi; Nakamura, Akira; Kamei, Ryosuke; and Hashimoto, Akihiro, 4,822,668, Cl. 428-283.000.

Hashimoto, Akio; and Naito, Hiroshi, to Aisin Seiki Kabushiki Kaisha. Torque detecting device. 4,865,143, 9-12-89, Cl. 180-79.100.

Hashimoto, Akira: *See—*

Ishikawa, Tsutomu; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,835,017, Cl. 427-379.000.

Kashiwagi, Eiichi; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,865,649, Cl. 106-287.160.

Kutami, Atsushi; Hashimoto, Akira; and Takada, Yoshihiro, 4,862,211, Cl. 355-212.000.

Nakayama, Muneo; Uehara, Akira; Hashimoto, Akira; Nishimura, Toshihiro; Hijikata, Isamu; Minato, Mitsuaki; and Kashiwagi, Eiichi, 4,868,096, Cl. 430-329.000.

Ohshita, Youichi; Hashimoto, Akira; Tsukushi, Masanori; Kurosawa, Yukio; and Okumura, Kiyoshi, 4,864,286, Cl. 340-644.000.

Hashimoto, Atsuki: *See—*

Hasegawa, Tsuneo; Matsumura, Mitsuma; Hashimoto, Atsuki; and Mikiya, Toshio, 4,807,606, Cl. 128-77.000.

Hashimoto, Atsunori: *See—*

Fujiwara, Yasuhiko; Abe, Toshiro; Hashimoto, Atsunori; Nakazawa, Shinsuke; Nagano, Masami; and Atago, Takeshi, 4,887,573, Cl. 123-422.000.

Hashimoto Chemical Industries Co., Ltd.: *See—*

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Ohmi, Tadahiro; Miki, Nobuhiro; and Kikuyama, Hirohisa, 4,795,582, Cl. 252-79.300.

Hashimoto Corporation: *See—*

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Hashimoto, Kazuo, 4,797,912, Cl. 379-79.000.

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Hashimoto, Kazuo, 4,813,067, Cl. 379-67.000.

Hashimoto, Kazuo, 4,813,068, Cl. 379-70.000.

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Hashimoto, Kazuo, 4,817,128, Cl. 379-70.000.

Hashimoto, Kazuo, 4,821,308, Cl. 379-57.000.

Hashimoto, Kazuo, 4,821,311, Cl. 379-88.000.

Hashimoto, Kazuo, 4,829,555, Cl. 379-70.000.

Hashimoto, Kazuo, 4,829,556, Cl. 379-79.000.

Hashimoto, Kazuo, 4,829,557, Cl. 379-80.000.

Hashimoto, Kazuo, 4,831,646, Cl. 379-82.000.

Hashimoto, Kazuo, 4,833,704, Cl. 379-79.000.

Hashimoto, Kazuo, 4,837,803, Cl. 379-79.000.

Hashimoto, Kazuo, 4,837,809, Cl. 379-79.000.

Hashimoto, Kazuo, 4,849,740, Cl. 340-679.000.

Hashimoto, Kazuo, 4,850,005, Cl. 379-51.000.

Hashimoto, Kazuo, 4,856,053, Cl. 379-9[illegible].000.

Hashimoto, Kazuo, 4,860,134, Cl. 360-92.000.

Hashimoto, Kazuo, 4,866,754, Cl. 379-68.000.

Hashimoto, Kazuo, 4,866,755, Cl. 379-80.000.

Hashimoto, Kazuo, 4,873,584, Cl. 358-335.000.

Hashimoto, Kazuo, 4,876,707, Cl. 379-57.000.

- Hashimoto, Kazuo, 4,878,243, Cl. 379-211.000.
- Hashimoto, Kazuo, 4,882,744, Cl. 379-57.000.
- Hashimoto Denki Co. Ltd.: *See—*
  - Aizawa, Tadashi; Nishiyama, Toshimichi; Okawa, Masaru; and Nakane, Kazuo, 4,797,169, Cl. 156-64.000.
- Hashimoto, Eiichi: *See—*
  - Hayashi, Tsutomu; and Hashimoto, Eiichi, 4,860,540, Cl. 60-487.000.
- Hashimoto, Eiji: *See—*
  - Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.
- Hashimoto Forming Industry Co., Ltd.: *See—*
  - Kimura, Kaoru; and Tamura, Tatsuya, 4,865,676, Cl. 156-244.120.
  - Tamura, Tatsuya; Igarashi, Nobuo; Konno, Sadao; and Nakajima, Hiroyuki, 4,865,796, Cl. 264-40.700.
- Hashimoto, Fumiharu: *See—*
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,812,773, Cl. 328-167.000.
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,841,461, Cl. 364-572.000.
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,859,881, Cl. 307-520.000.
- Hashimoto, Hideo; Kuroda, Hideo; Kikuchi, Hiroaki; and Murakami, Tokumichi, to Nippon Telegraph & Telephone Corporation; and Mitsubishi Denki Kabushiki Kaisha. Basic cell type full search vector quantization coder. 4,811,265, 3-7-89, Cl. 364-730.000.
- Hashimoto, Hideo: *See—*
  - Iinuma, Kazumoto; Koga, Toshio; Furukawa, Akihiro; Okubo, Sakae; Hashimoto, Hideo; and Mukawa, Naoki, 4,802,006, Cl. 358-135.000.
  - Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 208-72.000.
  - Tanaka, Yasunori; and Hashimoto, Hideo, 4,873,670, Cl. 365-189.110.
- Hashimoto, Hikotaka; and Kobayashi, Kunio, to Kikkoman Corporation. Method of manufacturing soy sauce. 4,888,190, 12-19-89, Cl. 426-231.000.
- Hashimoto, Hirofumi; and Hayashi, Sensuke, to Toyota Jidosha Kabushiki Kaisha. Method of and apparatus for controlling the flow rate of viscous fluid. 4,848,657, 7-18-89, Cl. 239-11.000.
- Hashimoto, Hirofumi: *See—*
  - Baba, Youichiro; Hashimoto, Hirofumi; and Watanabe, Masayuki, 4,878,649, Cl. 251-121.000.
  - Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kajuyosi; Umeda, Masahiro; Kondo, Kaoru; and Kaji, Yosifumi, 4,809,885, Cl. 222-174.000.
  - Hayashi, Sensuke; Ota, Koji; and Hashimoto, Hirofumi, 4,869,935, Cl. 427-421.000.
  - Tamura, Kenji; Hashimoto, Hirofumi; Baba, Youichiro; and Inose, Sadao, 4,824,026, Cl. 239-707.000.
- Hashimoto, Hiroshi; and Yamaguchi, Nobuyuki, to Daiwa Seiko, Inc. Fishing reel having a waterproof drag mechanism. 4,813,629, 3-21-89, Cl. 242-217.000.
- Hashimoto, Hiroshi, to Daiwa Seiko Inc. Speed change of fishing reel. 4,871,129, 10-3-89, Cl. 242-255.000.
- Hashimoto, Hiroshi, to Omron Tateisi Electronics Company. Electromagnetic relay with an operation indicating member. 4,890,080, 12-26-89, Cl. 335-17.000.
- Hashimoto, Hiroshi: *See—*
  - Asano, Katsuhiko; and Hashimoto, Hiroshi, 4,887,059, Cl. 335-281.000.
  - Kamada, Koh; Hashimoto, Hiroshi; and Okita, Tsutomu, 4,810,435, Cl. 264-22.000.
  - Okita, Tsutomu; Aonuma, Masashi; and Hashimoto, Hiroshi, 4,812,351, Cl. 428-141.000.
  - Ushio, Yukihide; Hashimoto, Hiroshi; Hori, Kenjiro; Seto, Kaoru; and Yoshimoto, Toshio, 4,853,740, Cl. 355-319.000.
- Hashimoto, Hiroyuki; Iizuka, Nobuo; and Suzuki, Akira, to Trio Kabushiki Kaisha. Radio communication system for communicating between two stations upon automatic switching to an idle communication channel. 4,850,030, 7-18-89, Cl. 455-31.000.
- Hashimoto, Hiroyuki: *See—*
  - Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.
- Hashimoto, Hisatake: *See—*
  - Ichikawa, Shinichi; Yoshida, Unkichi; Matsushima, Yoshihisa; and Hashimoto, Hisatake, 4,839,029, Cl. 208-251.00R.
- Hashimoto, Hitoshi; Fujita, Tsutomu; Ryukawa, Eiji; and Kodachi, Hideo, to Honda Giken Kogyo Kabushiki Kaisha. Machine tool. 4,819,311, 4-11-89, Cl. 29-40.000.
- Hashimoto, Hitoshi: *See—*
  - Chigusa, Takehiko; Hashimoto, Hitoshi; Kawamura, Tsunenori; Fukushima, Kazunori; Kurokawa, Kiyoumi; and Miyazaki, Masakatsu, 4,848,321, Cl. 127-61.000.
- Hashimoto, Ichiro; Ishizaki, Kosho; Hayashida, Hiroshi; and Miyashita, Kunio, to Hitachi, Ltd. Low-speed high-torque motor. 4,890,024, 12-26-89, Cl. 310-49.00R.
- Hashimoto, Isamu; and Nishida, Takao, to Asahi Optical Co., Ltd. Electronically controlled camera. 4,855,772, 8-8-89, Cl. 354-173.100.
- Hashimoto, Isao; Tomino, Ikuo; Kato, Houji; Kihara, Noriaki; and Mukaiyama, Teruaki, to Mitsui Petrochemical Industries, Ltd. Process for preparation of guanidine derivative. 4,808,726, 2-28-89, Cl. 548-342.000.
- Hashimoto, Isao; and Kadooka, Hideshi, to Hitachi, Ltd. Ion source and method of drawing out ion beam. 4,870,284, 9-26-89, Cl. 250-423.00R.
- Hashimoto, Isao: *See—*
  - Takematsu, Tetsuo; Fukuoka, Daisuke; Takahashi, Katsuya; and Hashimoto, Isao, 4,838,924, Cl. 71-88.000.
- Hashimoto, Junichiroh: *See—*
  - Seki, Kenji; Hashimoto, Junichiroh; Kimura, Michio; Yamanami, Hirofumi; Mochizuki, Satomi; and Aiso, Izumi, 4,871,635, Cl. 430-60.000.
- Hashimoto, Kaoru; and Miyamoto, Hirohisa, to Minolta Camera Kabushiki Kaisha. Image duplicating apparatus having plural copying modes and plural sheet feeding arrangements. 4,855,787, 8-8-89, Cl. 355-311.000.
- Hashimoto, Kaoru: *See—*
  - Ito, Kouji; and Hashimoto, Kaoru, 4,831,418, Cl. 355-69.000.
  - Kato, Akio; Nakatani, Keiji; Wada, Kanji; Hashimoto, Kaoru; Nishimori, Kadotaro; and Higaki, Masahiro, 4,806,976, Cl. 355-7.000.
- Hashimoto, Katsumi, to Idemitsu Kosan Co., Ltd. Base oil of lubricating oil for mechanical apparatuses with orifice mechanism. 4,857,220, 8-15-89, Cl. 252-56.00R.
- Hashimoto, Katsumi: *See—*
  - Kanamori, Hideo; and Hashimoto, Katsumi, 4,822,507, Cl. 252-49.500.
  - Murakami, Jyoji; Hashimoto, Katsumi; and Tempaku, Junya, 4,868,556, Cl. 340-799.000.
- Hashimoto, Katukuni; Otoguro, Yasuo; and Fujita, Toshio, to Nippon Steel Corporation. High-strength heat-resisting ferritic steel pipe and tube. 4,844,755, 7-4-89, Cl. 148-325.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Method and device for emergency transportation. 4,795,112, 1-3-89, Cl. 244-33.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone answering device having pushbutton controlled standby mode. 4,797,912, 1-10-89, Cl. 379-79.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Automatic telephone apparatus and set-up method therefor. 4,805,204, 2-14-89, Cl. 379-71.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Message exchange device for communication between a manager and particular persons. 4,811,383, 3-7-89, Cl. 379-76.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Apparatus for connecting selectively a telephone answering device or additional equipment, such as a facsimile machine, to telephone lines. 4,813,067, 3-14-89, Cl. 379-67.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Easily operable automatic telephone answering/recording apparatus. 4,813,068, 3-14-89, Cl. 379-70.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Portable sound recorder and playback device with battery saving feature using a switch controlled timer. 4,814,905, 3-21-89, Cl. 360-74.100.
- Hashimoto, Kazuo, to Hashimoto Corporation. Easily operable automatic telephone answering/recording apparatus and method of operating the same. 4,817,128, 3-28-89, Cl. 379-70.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone answering system with paging function. 4,821,308, 4-11-89, Cl. 379-57.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Automatic telephone answering/recording device of digital type. 4,821,311, 4-11-89, Cl. 379-88.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. TAD incorporated with VCR. 4,829,555, 5-9-89, Cl. 379-70.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone answering device having telephone answering and conversation recording modes of operation. 4,829,556, 5-9-89, Cl. 379-79.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone answering device having outgoing message pause timer function. 4,829,557, 5-9-89, Cl. 379-80.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Automatic telephone answering device for automatically setting standby mode. 4,831,646, 5-16-89, Cl. 379-82.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Automatic telephone answering and recording device with automatic two-way conversation recording function controlled by off/on hook detector. 4,833,704, 5-23-89, Cl. 379-79.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone answering device having function of playback without rewinding tape. 4,837,803, 6-6-89, Cl. 379-79.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone answering device having immediate playback function. 4,837,809, 6-6-89, Cl. 379-79.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Safety device for a sheet cutter apparatus. 4,849,740, 7-18-89, Cl. 340-679.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone answering device with artificial intelligence. 4,850,005, 7-18-89, Cl. 379-51.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Telephone terminal equipment having means for preventing malicious and nuisance transmission. 4,856,053, 8-8-89, Cl. 379-96.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Double video cassette tape recorder. 4,860,134, 8-22-89, Cl. 360-92.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Automatic telephone answering machine utilizing voice synthesis. 4,866,754, 9-12-89, Cl. 379-68.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Multiple language telephone answering machine. 4,866,755, 9-12-89, Cl. 379-80.000.

- Hashimoto, Kazuo, to Hashimoto Corporation. Computer control for VCR including display of record playback listing and playback order selection. 4,873,584, 10-10-89, Cl. 358-335.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Two-directional call forwarding device. 4,876,707, 10-24-89, Cl. 379-57.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Call forwarding system and method. 4,878,243, 10-31-89, Cl. 379-211.000.
- Hashimoto, Kazuo, to Hashimoto Corporation. Automatic paging system. 4,882,744, 11-21-89, Cl. 379-57.000.
- Hashimoto, Kazuto: *See—*
  - Endo, Hideki; Hashimoto, Kazuto; and Kato, Kohji, 4,833,203, Cl. 525-67.000.
  - Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.
- Hashimoto, Kazuya. Diversity receiver. 4,823,398, 4-18-89, Cl. 455-134.000.
- Hashimoto, Kazuya; and Asazawa, Hiroshi, to NEC Corporation. Portable radio. 4,829,591, 5-9-89, Cl. 455-89.000.
- Hashimoto, Ken; and Akagi, Hideaki, to Fuji Xerox Co., Ltd. Toner composition with treated inorganic powder. 4,828,954, 5-9-89, Cl. 430-110.000.
- Hashimoto, Ken: *See—*
  - Amagase, Harunobu; Arakawa, Masato; and Hashimoto, Ken, 4,863,902, Cl. 514-12.000.
- Hashimoto, Kenichi: *See—*
  - Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.
  - Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.
- Hashimoto, Kenji, to Aisin Seiki Kabushiki Kaisha. Control valve device. 4,828,220, 5-9-89, Cl. 251-129.060.
- Hashimoto, Kenji; and Miura, Yasushi, to Aisin Seiki Kabushiki Kaisha. Solenoid valve. 4,832,313, 5-23-89, Cl. 251-129.070.
- Hashimoto, Kenji: *See—*
  - Hachiya, Satoshi; Uchida, Shunji; and Hashimoto, Kenji, 4,877,858, Cl. 528-100.000.
  - Miura, Yasushi; and Hashimoto, Kenji, 4,830,332, Cl. 251-129.070.
  - Uchida, Shunji; Morita, Kazuharu; and Hashimoto, Kenji, 4,844,835, Cl. 252-299.010.
- Hashimoto, Kenzaburo, to Maruemu Seisakusho Co., Ltd. Dual composite headed self-threading screw. 4,887,951, 12-19-89, Cl. 411-371.000.
- Hashimoto, Kinji: *See—*
  - Kanai, Kenichi; Goto, Kiyoto; and Hashimoto, Kinji, 4,868,183, Cl. 514-255.000.
- Hashimoto, Kiyokazu, to NEC Corporation. Semiconductor memory device. 4,878,220, 10-31-89, Cl. 371-40.100.
- Hashimoto, Kiyokazu, to NEC Corporation. Non-volatile semiconductor memory device having means to latch the input data bits for controlling the drain and gate voltages of memory cell transistors. 4,887,242, 12-12-89, Cl. 365-238.500.
- Hashimoto, Kiyoshi; Kimura, Kazuhisa; and Hatakeyama, Takashi, to Kabushiki Kaisha Toshiba. Image formation cartridge and image forming apparatus using the same. 4,803,502, 2-7-89, Cl. 346-140.00R.
- Hashimoto, Kiyoshi: *See—*
  - Kawaguchi, Toshiro; Sonoda, Takefumi; and Hashimoto, Kiyoshi, 4,842,507, Cl. 425-382.400.
  - Maeda, Michio; and Hashimoto, Kiyoshi, 4,870,432, Cl. 346-140.00R.
- Hashimoto, Kiyoyasu; Omura, Takashi; Suzuki, Yasuyuki; and Hayashi, Yoshiaki, to Sumitomo Chemical Company Limited. Yellow dye-donor element used in thermal transfer and thermal transfer sheet using it. 4,833,123, 5-23-89, Cl. 503-227.000.
- Hashimoto, Kiyoyasu: *See—*
  - Nishikuri, Masao; Hashimoto, Kiyoyasu; and Hattori, Hideo, 4,826,505, Cl. 8-688.000.
- Hashimoto, Koji; Yoshioka, Hideaki; Asami, Katsuhiko; and Kawashima, Asahi, to Yoshida Kogyo K. K. Corrosion-resistant structure comprising a metallic surface and an amorphous alloys surface bonded thereupon. 4,834,806, 5-30-89, Cl. 148-4.000.
- Hashimoto, Koji; Kanda, Toshihisa; Kawashima, Asahi; and Asami, Katsuhiko, to Yanmar Diesel Engine Co., Ltd.; and Hashimoto, Koji. Highly active catalyst and highly active electrode made of this catalyst. 4,868,073, 9-19-89, Cl. 429-40.000.
- Hashimoto, Koji; Miura, Kimikado; Asami, Katsuhiko; and Kawashima, Asahi, to Mitsui Engineering & Ship Building Co., Ltd.; and Hashimoto, Koji. Highly corrosion-resistant amorphous alloy. 4,880,482, 11-14-89, Cl. 148-403.000.
- Hashimoto, Koji: *See—*
  - Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.
- Hashimoto, Komei; and Harayama, Tetsuo, to Pioneer Electronic Corporation. Disk and navigation apparatus for position locating system. 4,849,827, 7-18-89, Cl. 358-342.000.
- Hashimoto, Kunio; and Okazaki, Haruo, to Bridgestone Corporation. Tubular belt conveyor. 4,809,844, 3-7-89, Cl. 198-819.000.
- Hashimoto, Kunio: *See—*
  - Ohbayashi, Yoshiaki; Hashimoto, Kunio; Sakurai, Katsumi; and Noma, Hiroyuki, 4,859,888, Cl. 310-68.00R.
- Hashimoto, Masafumi; and Ono, Minoru, to Fuji Photo Film Co., Ltd. Instant film pack. 4,804,988, 2-14-89, Cl. 354-276.000.
- Hashimoto, Masafumi: *See—*
  - Kano, Hiroyuki; Hashimoto, Masafumi; and Sawaki, Nobuhiko, 4,816,878, Cl. 357-4.000.
- Hashimoto, Masahide; Kurisu, Yoshitaka; Suenaga, Hiroshi; and Katou, Akio, to Mitsubishi Denki Kabushiki Kaisha. Freezing apparatus. 4,807,448, 2-28-89, Cl. 62-376.000.
- Hashimoto, Masahiro: *See—*
  - Komeya, Katsutoshi; Hashimoto, Masahiro; Nishida, Katsutoshi; and Komatsu, Michiyasu, 4,879,263, Cl. 501-97.000.
- Hashimoto, Masaki; and Yamaguchi, Noboru. Construction of a bicycle frame for joining chainstays with a bottom bracket shell. 4,846,490, 7-11-89, Cl. 280-281.100.
- Hashimoto, Masaki; and Yamaguchi, Noboru, to Araya Industrial Co., Ltd. Pipe joining construction of a bicycle frame. 4,856,800, 8-15-89, Cl. 280-281.100.
- Hashimoto, Masaki: *See—*
  - Higuchi, Naoki; Saitoh, Masayuki; Hashimoto, Masaki; Fukami, Harukazu; and Tanaka, Takaharu, 4,826,870, Cl. 514-422.000.
  - Saitoh, Masayuki; Tanaka, Takaharu; Higuchi, Naoki; Hashimoto, Masaki; and Fukami, Harukazu, 4,810,721, Cl. 514-422.000.
  - Tanaka, Takaharu; Saitoh, Masayuki; Higuchi, Naoki; and Hashimoto, Masaki, 4,873,342, Cl. 548-518.000.
- Hashimoto, Masanori; Yamamoto, Takeshi, Kawachi, Toru; Kuwashima, Junji; and Kitaoka, Hirokazu, to Dainippon Pharmaceutical Co., Ltd.; and Kurita Water Industries, Ltd. Method for the removal of nucleic acids and/or endotoxin. 4,885,168, 12-5-89, Cl. 424-95.000.
- Hashimoto, Masashi, to Texas Instruments Incorporated. Memory cell for SRAM with a dielectric layer over a gate electrode to provide a parallel resistive and capacitive element. 4,797,725, 1-10-89, Cl. 357-54.000.
- Hashimoto, Masashi, to Texas Instruments Incorporated. ROM amplifier device. 4,829,478, 5-9-89, Cl. 365-94.000.
- Hashimoto, Masashi, to Texas Instruments Incorporated. Ion implantation method for making silicon-rich silicon dioxide film. 4,849,248, 7-18-89, Cl. 427-38.000.
- Hashimoto, Masashi; and Tachibana, Tadashi, to Texas Instruments Incorporated. Semiconductor ROM with reduced supply voltage requirement. 4,862,413, 8-29-89, Cl. 365-104.000.
- Hashimoto, Masashi, to Texas Instruments Incorporated. Memory device with integrated error detection and correction. 4,875,212, 10-17-89, Cl. 371-40.200.
- Hashimoto, Masashi; Kenji, Sasaki; and Nomura, Masayoshi, to Texas Instruments Incorporated. FIFO memory including dynamic memory elements. 4,882,710, 11-21-89, Cl. 365-189.050.
- Hashimoto, Masashi; Oku, Teruo; Ito, Yoshikuni; Namiki, Takayuki; Sawada, Kozo; Kasahara, Chiyoshi; and Baba, Yukihisa, to Fujisawa Pharmaceutical Co., Ltd. Quinazoline derivatives and process for their production. 4,883,800, 11-28-89, Cl. 514-259.000.
- Hashimoto, Masashi; and Nomura, Masayoshi, to Texas Instruments Incorporated. Semiconductor memory device using stored capacitor charge for writing data. 4,888,736, 12-19-89, Cl. 365-189.010.
- Hashimoto, Masashi; and Tachibana, Tadashi, to Texas Instruments Incorporated. Semiconductor memory with built-in defective bit relief circuit. 4,890,262, 12-26-89, Cl. 365-200.000.
- Hashimoto, Masashi: *See—*
  - Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.
  - Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.
  - Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; Kayakiri, Hiroshi; and Hashimoto, Masashi, 4,857,513, Cl. 514-76.000.
  - Shimazaki, Norihiko; Hemmi, Keiji; Nakaguti, Osamu; Miyazaki, Yoshio; and Hashimoto, Masashi, 4,806,538, Cl. 514-253.000.
- Hashimoto, Masataka: *See—*
  - Matsumoto, Kazuyuki; Hashimoto, Masataka; and Iwata, Michiyoshi, 4,846,018, Cl. 74-804.000.
- Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, to Kawasaki Jukogyo Kabushiki Kaisha; and Japan Air Lines Co., Ltd. Rotating-brush washing apparatus. 4,885,816, 12-12-89, Cl. 15-53.00A.
- Hashimoto, Michiaki: *See—*
  - Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.
- Hashimoto, Michiyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle storage container mounting system. 4,830,134, 5-16-89, Cl. 180-219.000.
- Hashimoto, Miho; Yokoe, Masaaki; Kurono, Yoshikazu; and Hayashi, Koji, to Brother Kogyo Kabushiki Kaisha. Data processing device and method for a sewing machine. 4,841,891, 6-27-89, Cl. 112-262.300.
- Hashimoto, Miho: *See—*
  - Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Kouji; and Hashimoto, Miho, 4,849,902, Cl. 364-470.000.
- Hashimoto, Mikio: *See—*
  - Koga, Hitoshi; Iwata, Kazuo; Nishimoto, Masushi; and Hashimoto, Mikio, 4,849,293, Cl. 428-447.000.
- Hashimoto, Minoru: *See—*
  - Ito, Takeo; Takeuchi, Hajime; Hashimoto, Minoru; Fukaya, Toshio; and Koishi, Masumi, 4,880,666, Cl. 427-128.000.

Hashimoto, Mitsuharu; and Takeda, Shinji, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Ball valve and methods of fabrication. 4,883,253, 11-28-89, Cl. 251-315.000.

Hashimoto, Mitsuharu: *See*—
  Takeda, Shinji; and Hashimoto, Mitsuharu, 4,813,649, Cl. 251-315.000.
  Takeda, Shinji; and Hashimoto, Mitsuharu, 4,869,450, Cl. 251-315.000.

Hashimoto, Mitsuru: *See*—
  Fukagai, Toshio; Kimura, Michio; Ohta, Masafumi; and Hashimoto, Mitsuru, 4,830,942, Cl. 430-58.000.
  Shimada, Tomoyuki; Sasaki, Masaomi; and Hashimoto, Mitsuru, 4,886,846, Cl. 523-453.000.

Hashimoto, Morimi: *See*—
  Takagi, Hiroshi; Hashimoto, Morimi; and Suzuki, Kenji, 4,816,351, Cl. 428-694.000.

Hashimoto, Naotaka: *See*—
  Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.

Hashimoto, Naoto: *See*—
  Nishimura, Tatsuo; Yoshimura, Yoshinobu; Miyake, Akio; and Hashimoto, Naoto, 4,839,351, Cl. 514-206.000.
  Yoshimura, Yoshinobu; Hashimoto, Naoto; and Kishimoto, Shoji, 4,826,834, Cl. 514-207.000.

Hashimoto, Naoyuki; Yamashita, Kazuichi; and Yamane, Manabu, to Matsushita Electric Industrial Co., Ltd. Pallet shifter. 4,823,933, 4-25-89, Cl. 198-465.300.

Hashimoto, Noboru; Hitomi, Mitsuo; Onishi, Koji; Yada, Yoshikuni; Nobumoto, Hidetoshi; and Hotate, Makoto, to Mazda Motor Corporation. Automobile exhaust gas recirculating system. 4,875,455, 10-24-89, Cl. 123-568.000.

Hashimoto, Noboru: *See*—
  Hataoka, Kenji; Yamashita, Akinori; Misumi, Masanori; and Hashimoto, Noboru, 4,811,231, Cl. 364-431.050.

Hashimoto, Nobuo; Ishii, Hideo; Tanahashi, Kenji; Ohno, Kenji; and Ohno, Kiichi, to Yuugenkaisha Ohnobankinkougyousho. Fluid mixing element. 4,884,894, 12-5-89, Cl. 366-338.000.

Hashimoto, Norikazu: *See*—
  Usagawa, Toshiyuki; Shiraki, Yasuhiro; Ono, Yuichi; Takahashi, Susumu; and Hashimoto, Norikazu, 4,805,005, Cl. 357-22.000.

Hashimoto, Norio: *See*—
  Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.

Hashimoto, Ryusuke; and Iwata, Mitsuru, to Fujimi Tile Co., Ltd. Process for producing ceramic products using the sludge obtained by sewage treatment. 4,874,153, 10-17-89, Cl. 264-63.000.

Hashimoto, Sadakatsu: *See*—
  Satoh, Masaharu; and Hashimoto, Sadakatsu, 4,870,570, Cl. 364-200.000.

Hashimoto, Seiji; and Suga, Akira, to Canon Kabushiki Kaisha. Image sensing apparatus. 4,816,910, 3-28-89, Cl. 358-213.270.

Hashimoto, Seiji; and Harada, Tadanori, to Canon Kabushiki Kaisha. Imaging apparatus having zoom capability via readout variation. 4,876,601, 10-24-89, Cl. 358-213.260.

Hashimoto, Seiji: *See*—
  Iuchi, Tetsuya; Nobuta, Masao; and Hashimoto, Seiji, 4,866,907, Cl. 53-299.000.
  Suzuki, Masao; Hashimoto, Seiji; Tojo, Akihiko; Takayama, Tsutomu; and Kaji, Toshio, 4,833,525, Cl. 358-29.000.

Hashimoto, Shigeru: *See*—
  Suzuki, Takashi; Hasu, Akinori; Yoshida, Hiroshi; and Hashimoto, Shigeru, 4,824,708, Cl. 428-64.000.

Hashimoto, Shinichi: *See*—
  Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; and Takenaka, Toichi, 4,868,216, Cl. 514-603.000.
  Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; Takenaka, Toichi; and Honda, Kazuo, 4,880,841, Cl. 514-654.000.

Hashimoto, Shogo; and Watanabe, Hitoshi, to Mikuni Kogyo Kabushiki Kaisha. Slide and pin type carburetor. 4,814,115, 3-21-89, Cl. 261-44.300.

Hashimoto, Shuichi, to Fujitsu Limited. Data modulation and demodulation system for magnetic recording system. 4,866,544, 9-12-89, Cl. 360-40.000.

Hashimoto, Shunichi: *See*—
  Kokubo, Ichiro; Kourida, Kazuhiko; Hashimoto, Shunichi; Mimura, Kazuhiro; and Shibata, Zenichi, 4,880,480, Cl. 148-320.000.
  Nagano, Eiki; Yoshida, Ryo; Matsumoto, Hiroshi; Hashimoto, Shunichi; and Kamoshita, Katsuzo, 4,801,408, Cl. 260-508.000.
  Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,826,533, Cl. 71-96.000.
  Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,835,324, Cl. 568-709.000.
  Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,881,970, Cl. 71-96.000.

Hashimoto, Susumu: *See*—
  Sawa, Takao; Hashimoto, Susumu; and Inomata, Koichiro, 4,859,256, Cl. 148-304.000.

Hashimoto, Suzushi: *See*—
  Hasegawa, Kaoru; Uto, Shozo; and Hashimoto, Suzushi, 4,804,041, Cl. 165-166.000.

Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, to Hitachi, Ltd. Projector using guest-host liquid crystal cells for improved color purity. 4,838,655, 6-13-89, Cl. 350-335.000.

Hashimoto, Tadahiko: *See*—
  Azusawa, Noboru; Hashimoto, Tadahiko; Shiraishi, Hisayoshi; and Nagae, Yoshiharu, 4,810,064, Cl. 350-351.000.

Hashimoto, Tadao: *See*—
  Tsuruoka, Michihiko; Nakagawa, Wataru; Miyoshi, Noriomi; Konosu, Naohiro; and Hashimoto, Tadao, 4,872,335, Cl. 73-30.000.

Hashimoto, Takafumi: *See*—
  Jinnai, Kenichiro; and Hashimoto, Takafumi, 4,857,419, Cl. 429-13.000.

Hashimoto, Takashi; and Sasaki, Zenichi, to Mitsui Petrochemical Industries, Ltd. Heat-foamable crosslinked propylene resin composition in the form of a melt-shaped sheet structure. 4,870,114, 9-26-89, Cl. 521-96.000.

Hashimoto, Takasu, to Tokyo Institute of Technology. Magnetic materials for magnetic refrigeration. 4,829,770, 5-16-89, Cl. 62-3.100.

Hashimoto, Takatsugu; and Tomiya, Seisuke, to Bridgestone Corporation. Process for curing tire employing a bladder lubricant. 4,889,677, 12-26-89, Cl. 264-297.500.

Hashimoto, Takatsugu: *See*—
  Tomita, Seisuke; and Hashimoto, Takatsugu, 4,814,214, Cl. 428-36.800.

Hashimoto, Takayoshi: *See*—
  Koiso, Junichi; Hashimoto, Takayoshi; and Shida, Toshio, 4,819,578, Cl. 118-652.000.

Hashimoto, Takeji: *See*—
  Murayama, Minoru; Yamamoto, Takaharu; and Hashimoto, Takeji, 4,825,555, Cl. 33-1.00M.

Hashimoto, Takeshi: *See*—
  Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, 4,851,870, Cl. 354-234.100.
  Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.

Hashimoto, Takimi: *See*—
  Senga, Takao; Takaoka, Kazuchiyo; Yamamoto, Hirokazu; and Hashimoto, Takimi, 4,873,166, Cl. 430-137.000.

Hashimoto, Teiji; Shimada, Fumio; and Mochida, Fumio, to Canon Denshi Kabushiki Kaisha. Shutter for camera. 4,825,236, 4-25-89, Cl. 354-246.000.

Hashimoto, Terumasa: *See*—
  Sawaki, Shohei; Ootake, Yasuhiro; Hashimoto, Terumasa; Abe, Tooru; and Horio, Yoshihiro, 4,795,754, Cl. 514-381.000.

Hashimoto, Tom T., to Branham Industries, Inc. Single pass drilling apparatus and method for forming underground arcuate boreholes. 4,828,050, 5-9-89, Cl. 175-45.000.

Hashimoto, Tom T., to Branham Industries, Inc. Folded/telescoped drill rig mast for limited space platform. 4,837,992, 6-13-89, Cl. 52-118.000.

Hashimoto, Toru; Takahashi, Akira; Imaizumi, Takeshi; Saito, Susumu; Tanaka, Hiroshi; and Jimbo, Takeshi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Method of detecting a fault of an exhaust gas recirculation system. 4,834,054, 5-30-89, Cl. 123-571.000.

Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha; and Mitsubishi Denki Kabushiki Kaisha. Fuel feed quantity control system for internal combustion engine. 4,848,301, 7-18-89, Cl. 123-494.000.

Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, to Yuken Kogyo Kabushiki Kaisha. Variable displacement piston pump. 4,801,247, 1-31-89, Cl. 417-213.000.

Hashimoto, Toshio; and Nakafuji, Minoru, to Showa Precision Machinery Co., Ltd. Polishing robot and polishing method using the same. 4,886,529, 12-12-89, Cl. 51-165.710.

Hashimoto, Toshio: *See*—
  Nagaura, Toru; Yokokawa, Masaaki; and Hashimoto, Toshio, 4,828,834, Cl. 429-194.000.

Hashimoto, Tsuguo: *See*—
  Arakawa, Tadao; Hashimoto, Tsuguo; and Kawauchi, Akihiro, 4,858,562, Cl. 122-7.00R.

Hashimoto, Tsuneyuki: *See*—
  Kumahora, Hiroki; Hashimoto, Tsuneyuki; and Nishimura, Eiichi, 4,803,356, Cl. 250-306.000.

Hashimoto, Yasuaki, to Usui Kokusai Sangyo Kabushiki Kaisha. Structure in which a small-diameter thin metal tube is fixed at one end to a flange coupling. 4,810,011, 3-7-89, Cl. 285-116.000.

Hashimoto, Yasuaki; and Serizawa, Haruo, to Usui Kokusai Sangyo Kabushiki Kaisha. Metal-made carrier body for exhaust gas cleaning catalyst. 4,857,413, 8-15-89, Cl. 428-592.000.

Hashimoto, Yasuichi, to Kabushiki Kaisha Toshiba. Write compensator for magnetic disk apparatus. 4,885,645, 12-5-89, Cl. 360-45.000.

Hashimoto, Yoshihiro: *See*—
  Murai, Teruyuki; Hashimoto, Yoshihiro; and Kawakita, Takao, 4,866,888, Cl. 51-401.000.

Hashimoto, Yoshinobu: *See*—
  Nagata, Mitsuhiro; Hayashi, Tadashi; Hashimoto, Yoshinobu; and Nakamura, Kiyoshi, 4,873,208, Cl. 501-89.000.

Hashimoto, Yoshio; and Tajima, Hiroki, to Ricoh Company, Ltd.; and Tohoku Ricoh Co., Ltd. Method of fixing a polygon mirror and an optical deflector having such polygon mirror. 4,820,005, 4-11-89, Cl. 350-6.800.

Hashimoto, Yoshio; Kawano, Tsuyoshi; Hasuka, Kaname; and Otomo, Seiji, to Nippon Steel Corporation. Clad steel materials having excellent ductility and corrosion resistance. 4,861,682, 8-29-89, Cl. 428-685.000.

Hashimoto, Yoshisato: *See*—
  Nagai, Noboru; Hashimoto, Yoshisato; Tsuboike, Yoshihiko; and Kaito, Noboru, 4,872,308, Cl. 60-316.000.

Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, to Mori, Ryoichi; and Toraichi, Kazuo. Digital-analog converter. 4,862,170, 8-29-89, Cl. 341-144.000.

Hashimoto, Yuichi: *See*—
  Maruyama, Akio; Sakakibara, Teigo; and Hashimoto, Yuichi, 4,882,257, Cl. 430-100.000.

Hashimoto, Yutaka; Kamei, Masayuki; and Umaba, Toshihiko, to Dainippon Ink and Chemicals, Inc. Fluorine-containing resin composition having low refractive index. 4,884,866, 12-5-89, Cl. 350-96.340.

Hashimura, Yasuhiro; Noguchi, Satoshi; and Minami, Nobuyuki, to Nissha Printing Co., Ltd. Thin-film forming apparatus. 4,841,857, 6-27-89, Cl. 101-158.000.

Hashino, Hiroshi: *See*—
  Tomosada, Kenji; Kondo, Toshiro; Yamamoto, Tadanobu; and Hashino, Hiroshi, 4,875,704, Cl. 280-695.000.

Hashino, Yasuo: *See*—
  Nohmi, Takashi; and Hashino, Yasuo, 4,822,489, Cl. 210-500.230.

Hashinoki, Kazuhiro; and Dairiki, Kenichi, to Mitsubishi Denki Kabushiki Kaisha. Ultrasonic dimension measuring apparatus. 4,800,757, 1-31-89, Cl. 73-597.000.

Hashish, Mohamed; and Marvin, Mark, to Flow Industries, Inc. Abrasive swivel assembly and method. 4,854,091, 8-8-89, Cl. 51-439.000.

Hashiue, Masakazu, to Fuji Photo Film Co., Ltd. Radiation image read-out and reproducing method. 4,882,488, 11-21-89, Cl. 250-327.200.

Hashiue, Masakazu: *See*—
  Tanaka, Kazuyoshi; and Hashiue, Masakazu, 4,837,687, Cl. 364-413.010.

Hashiyama, Mitsuaki: *See*—
  Yamada, Yoshio; and Hashiyama, Mitsuaki, 4,823,161, Cl. 355-15.000.

Hashizaki, Katsuo; Koyanagi, Toshio; and Morii, Atsushi, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for treating combustion exhaust gas. 4,796,545, 1-10-89, Cl. 110-216.000.

Hashizu, Masaaki: *See*—
  Toda, Kouichi; and Hashizu, Masaaki, 4,862,106, Cl. 331-2.000.

Hashizume, Akihide: *See*—
  Motoike, Jun; Hashizume, Akihide; and Suzuki, Ryuichi, 4,850,024, Cl. 382-6.000.

Hashizume, Atsushi, to Mitsubishi Denki Kabushiki Kaisha. Ignition device for an internal combustion engine. 4,858,587, 8-22-89, Cl. 123-631.000.

Hashizume, Kenji; Ikebe, Masaru; and Okamura, Masatoshi, to TDK Corporation. Magnetic tape cassette. 4,865,265, 9-12-89, Cl. 242-199.000.

Hashizume, Kenji: *See*—
  Okamura, Masatoshi; Shiba, Haruo; Hashizume, Kenji; and Sakata, Yoshiya, 4,858,849, Cl. 242-199.000.
  Shiba, Haruo; Okamura, Masatoshi; and Hashizume, Kenji, 4,885,651, Cl. 360-132.000.

Hashizume, Kyohei, to Fujitsu Limited. Printing apparatus. 4,839,694, 6-13-89, Cl. 355-208.000.

Hashizume, Nobuo: *See*—
  Hayashi, Yutaka; Matsumoto, Kazuhiko; and Hashizume, Nobuo, 4,811,070, Cl. 357-34.000.

Hashizume, Shinichi: *See*—
  Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,814,565, Cl. 200-291.000.
  Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,833,280, Cl. 200-16.00D.
  Koizumi, Haruyuki; Sato, Hideki; Hashizume, Shinichi; and Omae, Koichi, 4,819,194, Cl. 364-556.000.
  Sato, Hideki; Koizumi, Haruyuki; Hashizume, Shinichi; and Omae, Koichi, 4,801,767, Cl. 178-18.000.
  Yamashita, Masatsugu; Yoshimura, Takashi; Hashizume, Shinichi; Bingo, Hideyuki; and Iwakiri, Norio, 4,816,631, Cl. 200-332.000.

Hashizume, Yoshikazu; and Kamiya, Haruo, to Atsugi Motor Parts Company, Limited. Electromagnetic flow control valve for pressure control of the like. 4,889,314, 12-26-89, Cl. 251-129.020.

Hashizume, Yoshiki: *See*—
  Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ueshimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eikichi; Harada, Masakatsu; Aoki, Masahiro; and Kimura, Toru, 4,869,754, Cl. 106-404.000.

Hasimoto, Tadahiko: *See*—
  Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.

Hasircoglu, Alexander W., to Du Pont de Nemours, E. I., and Company. Terminal lead shielding for headers and connectors. 4,874,319, 10-17-89, Cl. 439-108.000.

Haskell, Jacob D., to Advanced Micro Devices, Inc. Method of making a high performance MOS device having LDD regions with graded junctions. 4,818,714, 4-4-89, Cl. 437-044.000.

Haskell, Weston W., to Shell Oil Company. Removing NOX from cryogenic systems. 4,824,646, 4-25-89, Cl. 423-235.000.

Hasker, Jan; Van Esdonk, Johannes; and Kwestroo, Wim, to U.S. Philips Corporation. Method of manufacturing a scandate dispenser cathode and scandate dispenser cathode manufactured according to the method. 4,873,052, 10-10-89, Cl. 419-2.000.

Haskett, Carl E. Sundial. 4,845,853, 7-11-89, Cl. 331-270.000.

Haskett, Thomas E.: *See*—
  Jorgensen, Jens L.; Haskett, Thomas E.; and Rueb, John T., 4,835,217, Cl. 525-93.000.

Haskins, David R.: *See*—
  Gerutti, Richard L.; Haskins, David R.; Heithoff, Robert B.; Schwenninger, Ronald L.; and Welton, Wright M., 4,886,539, Cl. 65-135.000.
  Knavish, Leonard A.; and Haskins, David R., 4,798,616, Cl. 65-135.000.

Haskins, Gene B. Smoking unit for gas grills. 4,869,163, 9-26-89, Cl. 99-482.000.

Haskins, Harold J.; and Laderman, Arnold J., to Ford Aerospace & Communications Corporation. Electromagnetic gun bore rider. 4,867,036, 9-19-89, Cl. 89-8.000.

Hasl, Siegfried C. Label transferring apparatus for blow molding machines. 4,838,776, 6-13-89, Cl. 425-112.000.

Hasl, Siegfried C.; and Lisnet, Charles J., to Hasl, Siegfried C. In-mold label transfer apparatus. 4,880,368, 11-14-89, Cl. 425-116.000.

Haslam, John L.; and Rork, Gerald S., to Merck & Co., Inc. Controlled porosity osmotic pump. 4,880,631, 11-14-89, Cl. 424-424.000.

Haslam, John L.; and Rork, Gerald S., to Merck & Co., Inc. Multiparticulate controlled porosity osmotic pump. 4,886,668, 12-12-89, Cl. 424-424.000.

Haslam & Walker Enterprises, Inc.: *See*—
  Walker, Robert C., 4,825,805, Cl. 118-504.000.

Haslanger, Martin F.; Neustadt, Bernard R.; and Smith, Elizabeth M., to Schering Corporation. Mercapto-acylamino acid antihypertensives. 4,801,009, 1-31-89, Cl. 514-506.000.

Haslanger, Martin F.; and Gordon, Eric M., to E. R. Squibb & Sons, Inc. Hydroxamic acid derivatives and method of using same. 4,889,874, 12-26-89, Cl. 514-575.000.

Haslbeck, John L.: *See*—
  Neal, Lewis G.; Haslbeck, John L.; and Tseng, Hsiaopin, 4,798,711, Cl. 423-239.000.

Haslberger, Richard: *See*—
  Arens, Hans; Kern, Hans; and Haslberger, Richard, 4,800,918, Cl. 137-488.000.

Hasler AG: *See*—
  Berger, Erwin; and Moy, Christian, 4,887,807, Cl. 271-171.000.
  Kislovski, Andre, 4,853,611, Cl. 323-335.000.

Hasler Freres International S.A.: *See*—
  Limon, Bernard, 4,876,904, Cl. 73-866.000.

Hasnain, Ghulam: *See*—
  Dohler, Gottfried H.; Hasnain, Ghulam; and Miller, Jeffrey N., 4,883,770, Cl. 437-110.000.

Haspel, Martin V.: *See*—
  Hanna, Michael, Jr.; Haspel, Martin V.; and Hoover, Herbert C., Jr., 4,828,991, Cl. 435-68.000.
  Ransom, Janet H.; McCabe, Richard P.; Haspel, Martin V.; and Pomato, Nicholas, 4,849,506, Cl. 530-351.000.

Hass, Friedrich: *See*—
  Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.

Hass, Hansjurgen: *See*—
  Burkhardt, Rudolf; Hass, Hansjurgen; Hitze, Reiner; and Zoche, Gunther, 4,822,420, Cl. 106-74.000.

Hass, Hyman, to United States Tennis Association Incorporated; and Allard Avionics Corp. Method and apparatus for systematically testing objects including tennis balls. 4,876,658, 10-24-89, Cl. 364-550.000.

Hass, Robert H., to Union Oil Company of California. Process for removing SO_x and NO_x compounds from gas streams. 4,804,522, 2-14-89, Cl. 423-235.000.

Hass, Rudi; Jansen, Georg; and Kallen, Wilhelm, to Eisengiesserei Monforts GmbH & Co. Method of producing a cast-iron element. 4,832,107, 5-23-89, Cl. 164-98.000.

Hass, Tave; Ancell, Stephen W.; and Porter, Curtis H., to Orscheln Co. Soft-release cable operating means. 4,850,242, 7-25-89, Cl. 74-512.000.

Hass, William J.: *See*—
  Eckels, David E.; and Hass, William J., 4,834,645, Cl. 431-4.000.

Hassall, Cedric H.; Lawton, Geoffrey; and Redshaw, Sally, to Hoffmann-La Roche Inc. Pyridazine intermediates. 4,826,980, 5-2-89, Cl. 544-224.000.

Hassall, Cedric H.: *See*—
  Attwood, Michael R.; Hassall, Cedric H.; Lambert, Robert W.; Lawton, Geoffrey; and Redshaw, Sally, 4,808,713, Cl. 540-487.000.

Hassall, James B.: *See*—
  Brahm, Leroy D.; Brown, Frank C.; Ciarlone, David F.; Dedrich, Mark R.; Hassall, James B.; and Salva, Fedor M., 4,865,801, Cl. 376-260.000.

Hassan, Melvin. Building panels. 4,870,788, 10-3-89, Cl. 52-105.000.

Hassan, Morris, to Chrysler Motors Corporation. Composite jounce bumper for vehicle suspension strut. 4,804,169, 2-14-89, Cl. 267-220.000.

Hassan, Morris, to Chrysler Motors Corporation. Jounce bumper assembly for vehicle suspension strut. 4,805,886, 2-21-89, Cl. 267-220.000.

Hassan, Shawky A. Liquid dispensing brush. 4,875,791, 10-24-89, Cl. 401-176.000.

Hassanein, Mahmoud: *See—*
- Ford, Warren T.; Chandran, Rama S.; Hassanein, Mahmoud; and Turk, Hayrettin, 4,857,493, Cl. 502-159.000.

Hasse, Werner: *See—*
- Strauss, Werner; Timmermann, Helmut; Hasse, Werner; and Weiffen, Karl-Heinz, 4,832,835, Cl. 209-455.000.

Hassel, H. Charles; and Westland, Donald, to MicroComputer Accessories Inc. Multi-line paper feeding assembly. 4,801,021, 1-31-89, Cl. 211-45.000.

Hassel, Michael J.; Felix, Ian C.; and Camp, Claude E., to Plus Development Corporation. Modular unitary disk file subsystem having increased data storage capacity. 4,825,321, 4-25-89, Cl. 360-51.000.

Hassel, Michael J.; Felix, Ian C.; and Camp, Claude E., to Plus Development Corporation. Modular unitary disk file subsystem with differing density zones. 4,858,034, 8-15-89, Cl. 360-51.000.

Hassel, Tillmann; Hocker, Jurgen; Heywang, Gerhard; Muller, Hans-Klaus; and Fitzky, Hans G., to Bayer Aktiengesellschaft. Radical anion salts of derivatives of 1,4,5,8-naphthalenetetracarboxylic acid and their use. 4,841,073, 6-20-89, Cl. 549-232.000.

Hassel, William; and Mee, William, to Verimed, Inc. Proportional response electrical muscle stimulation. 4,811,742, 3-14-89, Cl. 128-733.000.

Hasselbrack, Sally A.: *See—*
- Price, James G.; Stewart, Albert J.; and Hasselbrack, Sally A., 4,880,68[illegible], Cl. 428-116.000.

Hasselbusch, Harold. Adjustable rear sight unit for a gun. 4,837,937, 6-13-89, Cl. 33-257.000.

Hasselmann, Detlev E. M. System and method for automatically monitoring liquid volume changes in storage tanks. 4,827,762, 5-9-89, Cl. 73-49.200.

Hasselmann, Heinz: *See—*
- Flaig, Heinz; Neumann, Udo; Hasselmann, Heinz; Zacharias, Karl; Horbach, Rainer; and Bitsch, Harald, 4,877,987, Cl. 310-209.000.

Hasselskog, Karl J. O., to Telefonaktiebolaget L M Ericsson. Means for keeping an optical lens in a desired position in a lens holder under varying temperature. 4,850,674, 7-25-89, Cl. 350-253.000.

Hasselskog, Karl J. O.: *See—*
- Severinsson, Stefan A.; and Hasselskog, Karl J. O., 4,850,694, Cl. 356-153.000.

Hassenjuergen, Heinz: *See—*
- Ritter, Wolfgang; Handwerk, Hans-Peter; Schlueter, Kaspar; and Hassenjuergen, Heinz, 4,797,964, Cl. 8-115.600.

Hassenpflug, Wolfgang, to Litef GmbH. Apparatus for redundant axis stabilization and control of an aircraft. 4,844,383, 7-4-89, Cl. 244-79.000.

Hassenplug, Wolfgang, to Litef GmbH. Navigation method. 4,809,007, 2-28-89, Cl. 342-417.000.

Hassett, Gerald M.; and Palmaccio, Linda A., to Honeywell Inc. Chemical polishing process and apparatus. 4,826,563, 5-2-89, Cl. 156-636.000.

Hassia Verpackungsmaschinen GmbH: *See—*
- Walter, Kurt; and Weihe, Jochen, 4,836,380, Cl. 206-561.000.

Hassick, Denis E.; and Miknevich, Joseph P., to Calgon Corporation. Flocculation of suspended solids from aqueous solutions. 4,800,039, 1-24-89, Cl. 252-181.000.

Hassiepen, Michael: *See—*
- Ortmans, Gunter; and Hassiepen, Michael, 4,830,913, Cl. 428-34.000.

Hassler, Dietrich; Eschenbacher, Heinz; and Haerer, Wolfgang, to Siemens Aktiengesellschaft. Method and apparatus for adaptive focusing in a medical ultrasound imaging apparatus. 4,817,614, 4-4-89, Cl. 128-660.050.

Hassler, Dietrich; and Schmidt, Erhard, to Siemens Aktiengesellschaft. Lithotripter with locating system integrated therewith and method for its use. 4,834,106, 5-30-89, Cl. 128-660.030.

Hassler, Dietrich; and Schmidt, Erhard, to Siemens Aktiengesellschaft. Lithotripter having an ultrasound locating system integrated therewith. 4,865,041, 9-12-89, Cl. 128-660.030.

Hassler, Stephen P.: *See—*
- Veverka, Edward F.; and Hassler, Stephen P., 4,885,561, Cl. 337-190.000.

Hassler, Thord G. G., to W. R. Grace AB. Novel amino resins useful in sizing paper and their use. 4,847,315, 7-11-89, Cl. 524-357.000.

Hassler, William L.: *See—*
- Hovis, Donald B.; Schneider, Edward T.; Hassler, William L.; and Brom, Richard J., 4,867,140, Cl. 128-24.00R.

Hassler, Yngve, to Stiftelsen Institutet for Mikrovagsteknik Vid Tekniska Hogskolan i Stockholm. Method for heating thick-walled glass tubes and apparatus therefore. 4,838,915, 6-13-89, Cl. 65-2.000.

Hasslin, Hans W.: *See—*
- Graf, Jean-Francois; Hasslin, Hans W.; Schuurman, Hessel J.; Steiner, Theodor; and Wieland, Bruno, 4,853,223, Cl. 424-405.000.

Hassmann, Franz, to General Motors Corporation. Clamping fixture with an approximately U-shaped shackle in a motor vehicle. 4,866,820, 9-19-89, Cl. 24-628.000.

Hassner, Martin A.: *See—*
- Dimitri, Kamal E.; Hassner, Martin A.; and Siegel, Paul H., 4,882,583, Cl. 341-59.000.

Hasson, Alexandros: *See—*
- Golba, Joseph C., Jr.; Brown, Sterling B.; and Hasson, Alexandros, 4,831,115, Cl. 528-481.000.

Hasson, Harrith M. Template incision device. 4,872,456, 10-10-89, Cl. 128-321.000.

Hastasider Metal S.R.L.: *See—*
- Bussolino, Romolo, 4,876,784, Cl. 29-402.060.

Haste, Robert H.: *See—*
- Sweatman, Gerald H.; Hodgson, Roy; and Haste, Robert H., 4,859,411, Cl. 419-23.000.

Hastie, Ronald W., to R. R. Donnelley & Sons Company. Packer box undersized signature handling kit. 4,844,433, 7-4-89, Cl. 270-54.000.

Hastie, Ronald W., to R. R. Donnelley & Sons Company. Signature opening apparatus. 4,869,484, 9-26-89, Cl. 270-54.000.

Hastings, Catherine: *See—*
- Staples, Linton D.; Norman, Robert I.; Davey, Robert B.; Hastings, Catherine; Kidd, Jennifer; and Rachmat, Jatni, 4,882,137, Cl. 424-423.000.

Hastings, Jerome K.; Beihoff, Bruce C.; Baran, Michael S.; Juds, Mark A.; and Hansen, James E., to Eaton Corporation. MRS current sensor. 4,841,235, 6-20-89, Cl. 324-117.00R.

Hastings, Jerome K.; Beihoff, Bruce C.; and Juds, Mark A., to Eaton Corporation. Proximity detector employing magneto resistive sensor in the central magnetic field null of a toroidal magnet. 4,857,841, 8-15-89, Cl. 324-208.000.

Hastings, Jerome K.: *See—*
- Baran, Michael S.; Beihoff, Bruce C.; Damiano, Michael A.; Hansen, James E.; Hastings, Jerome K.; Slomczewski, Allen J.; and Tennies, Charles J., 4,857,837, Cl. 324-117.00R.

Hastings, John M. Utility vehicle. 4,861,096, 8-29-89, Cl. 296-183.000.

Hastings, Otis H. Intumescent fire-retardant coating material. 4,879,320, 11-7-89, Cl. 523-179.000.

Hastings, Roger N.: *See—*
- Fixsen, Dale J.; Hastings, Roger N.; and Imsdahl, John A., 4,796,432, Cl. 62-45.000.

Hasty, Kathy M.; and McKenzie, Mary K. Hearth guard. 4,865,015, 9-12-89, Cl. 126-500.000.

Hasty, William E. Two-piece flashing for roof vent pipes. 4,864,782, 9-12-89, Cl. 52-60.000.

Hasu, Akinori: *See—*
- Suzuki, Takashi; Hasu, Akinori; Yoshida, Hiroshi; and Hashimoto, Shigeru, 4,824,708, Cl. 428-64.000.

Hasuda, Yoshinori: *See—*
- Nishi, Shiro; Sasaki, Shigekuni; and Hasuda, Yoshinori, 4,808,676, Cl. 525-423.000.
- Sasaki, Shigekuni; and Hasuda, Yoshinori, 4,855,390, Cl. 528-170.000.

Hasuike, Makio, to Seima Italiana SpA. Multiple container. 4,819,790, 4-11-89, Cl. 206-309.000.

Hasuike, Makio, to Seima Italiana SpA. Modular cabinet. 4,856,855, 8-15-89, Cl. 312-111.000.

Hasuka, Kaname: *See—*
- Hashimoto, Yoshio; Kawano, Tsuyoshi; Hasuka, Kaname; and Otomo, Seiji, 4,861,682, Cl. 428-685.000.

Hasuly, Michael J.; and Trzasko, Peter T., to National Starch and Chemical Corporation. Textile warp size. 4,839,509, 6-13-89, Cl. 427-442.000.

Hasuly, Michael J.: *See—*
- Billmers, Robert L.; Del Giudice, David M.; Tessler, Martin M.; and Hasuly, Michael J., 4,839,449, Cl. 526-238.200.

Hasumi, Kazuo; Watanabe, Hideomi; Okita, Tsutomu; Ryoke, Katsumi; and Kosha, Hideaki, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,886,703, 12-12-89, Cl. 428-323.000.

Hasumi, Kohichi: *See—*
- Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihiro; Ishimori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.

Hasumoto, Toshiharu; Kashiwada, Kunio; Konishi, Minoru; and Fujishiro, Nobuo, to Showa Denko Kabushiki Kaisha. Process for treating waste gases containing trichlorotrifluoroethane and apparatus therefor. 4,874,403, 10-17-89, Cl. 55-55.000.

Hasunuma, Masahiko: *See—*
- Tada, Kaoru; Hasunuma, Masahiko; and Kawai, Mitsuo, 4,854,978, Cl. 148-14.000.

Hasunuma, Shinji: *See—*
- Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Koji, 4,839,879, Cl. 369-54.000.

Hasuo, Akiho: *See—*
- Sakurai, Shigeru; Hasuo, Akiho; and Tanabe, Kazuo, 4,795,954, Cl. 318-661.000.

Hasuo, Masayoshi; Mukai, Seiichi; Saito, Ryo; and Ikuhara, Isao, to Mitsubishi Chemical Industries Limited. Polyethylene terephthalate resin composition. 4,840,981, 6-20-89, Cl. 524-114.000.

Haswell-Smith, Iain, to Burr-Brown Limited. Break point system in a software monitor where entry address of break point routing equals op code of call instruction. 4,866,665, 9-12-89, Cl. 364-900.000.

Haaz, John R., to Cincinnati Milacron Inc. Modal coupling indicator. 4,800,790, 1-31-89, Cl. 82-31.000.

Hata, Akio: *See—*
- Nakachi, Takeshi; Hata, Akio; and Watanabe, Yoshihisa, 4,841,603, Cl. 428-694.000.

Hata, Chiemi; Hara, Kouichi; and Izumitani, Tetsuro, to Hoya Corporation. Process of surface treating laser glass. 4,816,049, 3-28-89, Cl. 65-3.200.

Hata, Chiemi: *See—*
- Izumitani, Tetsuro; Matsukawa, Michimasa; and Hata, Chiemi, 4,820,662, Cl. 501-73.000.

Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, to Ricoh Company, Ltd. Apparatus for controlling a motor in a camera. 4,818,921, 4-4-89, Cl. 318-269.000.

Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, to Ricoh Company, Ltd. Auto-focus arithmetic device. 4,831,405, 5-16-89, Cl. 354-409.000.

Hata, Daisuke: *See—*
- Ohno, Yoshimi; Hatase, Takayuki; and Hata, Daisuke, 4,881,799, Cl. 350-429.000.

Hata, Hidekazu, to Kabushiki Kaisha Kenwood. Method of making a thin-film magnetic head having a multi-layered coil structure. 4,804,816, 2-14-89, Cl. 219-121.200.

Hata, Hideo: *See—*
- Yoshimura, Isao; Hata, Hideo; and Kaneko, Takashi, 4,835,218, Cl. 525-98.000.

Hata, Hiroshige: *See—*
- Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,722, Cl. 372-33.000.
- Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,725, Cl. 372-56.000.
- Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,868,840, Cl. 372-56.000.

Hata, Hiroyoshi: *See—*
- Hisaki, Masakatu; Kachima, Kenichi; Sakamoto, Yasuhiko; Hojo, Masakazu; Katayama, Osamu; and Hata, Hiroyoshi, 4,874,773, Cl. 514-355.000.

Hata, Hitoshi; and Machida, Hisashi, to Idemitsu Kosan Company Limited. Lubricating oil compositions for traction drive. 4,820,434, 4-11-89, Cl. 252-75.000.

Hata, Hitoshi: *See—*
- Tsubouchi, Toshiyuki; Abe, Kazuaki; and Hata, Hitoshi, 4,840,745, Cl. 252-73.000.

Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, to Matsushita Electric Industrial Co., Ltd. Electronic component mounting device. 4,815,913, 3-28-89, Cl. 414-225.000.

Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, to Matsushita Electric Industrial Co., Ltd. Parts recognition method and apparatus therefor. 4,857,752, 8-15-89, Cl. 250-578.000.

Hata, Kanji: *See—*
- Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Iritani, Masao, 4,809,430, Cl. 29-834.000.
- Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Uchida, Yoshihisa, 4,868,977, Cl. 29-823.000.

Hata, Kazuo, to Daiwa Shinku Corporation. Electrostatic pixel module capable of providing size variable pixels. 4,831,371, 5-16-89, Cl. 340-783.000.

Hata, Koichi: *See—*
- Kondo, Hitoshi; and Hata, Koichi, 4,824,454, Cl. 62-37.000.

Hata, Kosei; and Maruoka, Toshiyuki, to Seikenkai Foundational Juridical Person. Biodeodorizer and process for preparing same. 4,871,539, 10-3-89, Cl. 424-93.000.

Hata, Kosei, to Seikenkai. Deodorant and method for preparing and storing same. 4,879,238, 11-7-89, Cl. 435-244.000.

Hata, Kosei, to Seikenkai. Deodorant and method for preparing and storing same. 4,888,292, 12-19-89, Cl. 435-244.000.

Hata, Kotaro, to Nippon Zeon Co., Ltd. Magnetic recording medium. 4,797,324, 1-10-89, Cl. 428-411.100.

Hata, Kunihiro: *See—*
- Shikinami, Yasuo; Hata, Kunihiro; and Ohmura, Yutaka, 4,855,077, Cl. 252-518.000.

Hata, Kunio: *See—*
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,806,521, Cl. 503-216.000.
- Umeda, Hiroaki, Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,833,119, Cl. 503-210.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,134, Cl. 503-210.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,135, Cl. 503-210.000.

Hata, Mamoru, to NEC Corporation. Switching system between cordless telephone and ordinary telephone. 4,839,918, 6-13-89, Cl. 379-61.000.

Hata, Morishige: *See—*
- Itaya, Hisao; Okada, Toshihiko; Hata, Morishige; Koike, Shunji; and Onishi, Takahiro, 4,853,776, Cl. 358-106.000.

Hata, Ryosuke, to Sumitomo Electric Industries, Ltd. Composite pipe, process for producing the same, and heat pipe using the same. 4,817,259, 4-4-89, Cl. 29-424.000.

Hata, Ryosuke. Composite pipe, process for producing the same, and heat pipe using the same. 4,846,264, 7-11-89, Cl. 165-104.270.

Hata, Ryosuke; Yamanouchi, Shosuke; Hirose, Masayuki; Kuwabara, Hidemitsu; Mizumoto, Yasuharu; and Hagiuda, Yasuhiro, to Sumitomo Electric Industries, Ltd. Electric power supply cable using insulating polyolefin laminate paper. 4,859,804, 8-22-89, Cl. 174-25.00R.

Hata, Seiji: *See—*
- Nishida, Yoshie; Hata, Seiji; and Tsuji, Masao, 4,803,735, Cl. 382-8.000.

Hata, Stephen S.: *See—*
- Win, Maung H.; Hata, Stephen S.; Abba, William A.; and Olszewski, James, 4,833,003, Cl. 428-198.000.
- Win, Maung H.; Hata, Stephen S.; Abba, William A.; and Olszewski, James, 4,853,281, Cl. 428-286.000.

Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, to Laboratories Delagrange. Preparation of a slow-release drug. 4,808,416, 2-28-89, Cl. 424-497.000.

Hata, Takehisa: *See—*
- Ueda, Yoshio; Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,871,549, Cl. 424-494.000.

Hata, Tomonobu: *See—*
- Yoshikawa, Masato; Kusano, Yukihiro; Naito, Kazuo; Honda, Toshio; and Hata, Tomonobu, 4,880,515, Cl. 204-192.120.

Hata, Toshihiko; and Horiuchi, Kaoru, to Mitsubishi Denki Kabushiki Kaisha. Image describing apparatus. 4,805,127, 2-14-89, Cl. 364-521.000.

Hata, Toshinobu: *See—*
- Fukizawa, Kazunori; Ohshima, Toyoko; and Hata, Toshinobu, 4,889,774, Cl. 428-614.000.

Hata, Tsunehisa: *See—*
- Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Fujisawa, Yoshikazu; and Hata, Tsunehisa, 4,817,578, Cl. 123-668.000.
- Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Hata, Tsunehisa; and Fujisawa, Yoshikazu, 4,856,462, Cl. 123-41.840.

Hata, Yasuaki; Yasukawa, Takeshi; and Onishi, Masayoshi, to Mitsubishi Denki Kabushiki Kaisha. Rotation detecting device having a terminal holding arrangement. 4,888,551, 12-19-89, Cl. 324-208.000.

Hata, Yasuaki: *See—*
- Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,838,074, Cl. 73-118.100.
- Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,856,323, Cl. 73-118.100.
- Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,875,367, Cl. 73-118.100.
- Saito, Naoki; Hata, Yasuaki; Kozuka, Hajime; and Mitarai, Kazuo, 4,862,982, Cl. 180-79.100.

Hata, Yasuhisa; and Akamatsu, Osamu, to Nippon Air Brake Co., Ltd. Spring brake cylinder. 4,796,513, 1-10-89, Cl. 92-5.00R.

Hata, Yasuhisa; and Akamatsu, Osamu, to Nippon Air Brake Co., Ltd. Spring brake cylinder. 4,811,651, 3-14-89, Cl. 92-29.000.

Hata, Yasuhisa; and Kitaue, Masaaki, to Nippon Air Brake Co., Ltd. Arrangement for controlling the removal of moisture from a two-cylinder type moisture remover. 4,812,148, 3-14-89, Cl. 55-162.000.

Hata, Yasuhisa; and Ogura, Satoshi, to Nippon Air Brake Co., Ltd. Two-stage air compressor unit. 4,830,580, 5-16-89, Cl. 417-243.000.

Hata, Yoshiaki; Taniguchi, Nobuyuki; Hoda, Takeo; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera system and using thereof. 4,860,039, 8-22-89, Cl. 354-106.000.

Hata, Yoshiaki: *See—*
- Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,829,333, Cl. 354-412.000.
- Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,884,092, Cl. 354-289.100.
- Inoue, Manabu; Taniguchi, Nobuyaki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,115, Cl. 354-289.100.
- Kamitani, Masatoshi; Inoue, Manabu; Nakanishi, Motohiro; Ootsuka, Hiroshi; Kudo, Yoshinobu; and Hata, Yoshiaki, 4,806,961, Cl. 354-195.100.
- Nakamura, Ikushi; Ootsuka, Hiroshi; Fukushima, Akira; Kudo, Yoshinobu; Hata, Yoshiaki; Inoue, Manabu; and Inoue, Norihiro, 4,887,107, Cl. 354-195.120.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.
- Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,812,871, Cl. 354-421.000.
- Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,814,804, Cl. 354-202.000.
- Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,843,418, Cl. 354-419.000.
- Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,847,646, Cl. 354-106.000.
- Taniguchi, Nobuyuki; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; Hoda, Takeo; and Ueda, Hiroshi, 4,862,201, Cl. 354-105.000.
- Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,868,589, Cl. 354-127.100.

Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,884,089, Cl. 354-222.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,108, Cl. 354-195.100.
Hata, Yoshikazu: *See—*
  Sakamoto, Yukio; Fujiki, Yasuo; and Hata, Yoshikazu, 4,827,634, Cl. 361-306.000.
Hata, Yoshikuni; and Ushigoe, Tomio, to Kabushiki Kaisha Miyano. Hollow-spindle method of machining a short-length workpiece. 4,827,815, 5-9-89, Cl. 82-1.110.
Hatabe, Michinori: *See—*
  Yoshida, Tadahiro; and Hatabe, Michinori, 4,802,206, Cl. 379-158.000.
Hatabe, Yoshiharu: *See—*
  Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
Hatachi, Ltd.: *See—*
  Izunaga, Yasushi; Kuno, Hiroaki; and Sado, Shintaro, 4,889,471, Cl. 417-32.000.
Hatada, Kenzo, to Matsushita Electric Industrial Co., Ltd. Bonding method. 4,876,221, 10-24-89, Cl. 437-212.000.
Hatada, Koichi: *See—*
  Okamoto, Yoshio; Hatada, Koichi; Shibata, Tohru; Okamoto, Ichiro; and Nakamura, Hiroyuki, 4,818,394, Cl. 210-198.200.
  Okamoto, Yoshio; and Hatada, Koichi, 4,861,872, Cl. 536-18.700.
Hatada, Toshio: *See—*
  Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
Hatada, Yuichi: *See—*
  Kawashima, Yutaka; Satoh, Masakazu; Hatada, Yuichi; Hazato, Fumiko; Nakashima, Yoshimoto; and Sota, Kaoru, 4,803,266, Cl. 540-200.000.
Hatae, Shinkichi; and Nakashima, Kazuo, to Sansho Seiyaku Co., Ltd. Whitening cosmetic. 4,847,074, 7-11-89, Cl. 424-62.000.
Hatagishi, Yuji: *See—*
  Ikeda, Tomohiro; Hatagishi, Yuji; Totsuka, Mitsuhiko; and Kudoh, Toshiharu, 4,871,990, Cl. 337-238.000.
Hatagishi, Yuuji, to Yazaki Corporation. Material for fuse. 4,869,972, 9-26-89, Cl. 428-647.000.
Hataishi, Osamu: *See—*
  Ueno, Katsunobu; and Hataishi, Osamu, 4,875,085, Cl. 357-34.000.
Hataji, Shinji: *See—*
  Hirao, Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shusuke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiromichi, 4,850,692, Cl. 356-1.000.
Hatakeyama, Atsushi; Izumi, Masaki; and Ohmori, Seishi, to Eastman Kodak Company. Sheet securing mechanism. 4,812,064, 3-14-89, Cl. 400-622.000.
Hatakeyama, Atushi: *See—*
  Fujisawa, Hiromichi; Higashino, Junichi; and Hatakeyama, Atushi, 4,868,733, Cl. 364-200.000.
Hatakeyama, Hideharu: *See—*
  Takahashi, Hareo; Terauchi, Kiyoshi; Hatakeyama, Hideharu; and Kumagai, Shuzo, 4,869,154, Cl. 92-71.000.
  Takahashi, Hareo; Hatakeyama, Hideharu; and Kumagai, Shuzo, 4,870,893, Cl. 92-71.000.
  Toyoda, Hiroshi; Shimizu, Shigemi; Hatakeyama, Hideharu; Kumagai, Shuzo; and Takahashi, Hareo, 4,870,894, Cl. 92-71.000.
Hatakeyama, Hiroki: *See—*
  Azegami, Kiyotaka; Tayama, Suehiro; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, 4,877,687, Cl. 428-520.000.
  Sasaki, Isao; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, 4,859,727, Cl. 524-147.000.
Hatakeyama, Kazuo: *See—*
  Ishige, Ryohei; and Hatakeyama, Kazuo, 4,838,438, Cl. 212-159.000.
Hatakeyama, Masakazu: *See—*
  Fujii, Masahiro; Morita, Hiroshi; Hiraki, Jun; and Hatakeyama, Masakazu, 4,867,974, Cl. 424-89.000.
Hatakeyama, Noboru: *See—*
  Morita, Shizuo; Hayakawa, Kazushi; Ito, Kunio; Matsuo, Shunji; Fukuchi, Masakazu; and Hatakeyama, Noboru, 4,878,091, Cl. 355-260.000.
Hatakeyama, Osamu, to Alps Electric Co., Ltd. Rotary wheel printer. 4,856,921, 8-15-89, Cl. 400-144.200.
Hatakeyama, Ryoichi; and Ikeda, Shintaro, to Victaulic Company of Japan, Ltd., The. Flexible expansion pipe coupling. 4,838,582, 6-13-89, Cl. 285-110.000.
Hatakeyama, Seiji: *See—*
  Shimomura, Akihiro; Usami, Toshimasa; and Hatakeyama, Seiji, 4,845,071, Cl. 503-205.000.
  Usami, Toshimasa; Hatakeyama, Seiji; and Shimomura, Akihiro, 4,840,933, Cl. 503-213.000.
  Usami, Toshimasa; Shimomura, Akihiro; Tatsuta, Sumitaka; and Hatakeyama, Seiji, 4,857,501, Cl. 503-200.000.
Hatakeyama, Takanobu: *See—*
  Kaneko, Kazuo; Hatakeyama, Takanobu; Hino, Hirofumi; Uemura, Hideki; and Yamamoto, Kazuo, 4,839,915, Cl. 378-105.000.
Hatakeyama, Takashi: *See—*
  Hashimoto, Kiyoshi; Kimura, Kazuhisa; and Hatakeyama, Takashi, 4,803,502, Cl. 346-140.00R.
Hatakeyama, Tetsuo; Uera, Yoshinori; and Nagao, Nobuaki, to Kabushikigaisha Tokyo Kikai Seisakusho. Roll core holding device. 4,801,109, 1-31-89, Cl. 242-72.100.
Hatakeyama, Yasuyuki: *See—*
  Yasuoka, Norio; Kobayashi, Takehiro; Hikida, Nobuharu; Hatakeyama, Yasuyuki; Aoto, Yoshiyuki; and Itogawa, Jiro, 4,885,766, Cl. 379-105.000.
Hatakeyama, Yoshiharu; and Ishiguro, Mitsuo, to Yoshida Industry Co., Ltd. Method for loading cosmetic material into a container and solidifying said cosmetic material. 4,817,686, 4-4-89, Cl. 141-12.000.
Hatakeyama, Yoshiharu; and Ishikawa, Tatsuo, to Yoshida Industry Co., Ltd. Apparatus for manufacturing an injection-molded product having a partly thin portion. 4,820,149, 4-11-89, Cl. 425-555.000.
Hatakeyama, Yoshiharu; and Ishiguro, Mitsuo, to Yoshida Industry Co., Ltd. Apparatus for loading cosmetic material into a container and solidifying said cosmetic material. 4,884,601, 12-5-89, Cl. 141-71.000.
Hatakeyama, Yoshiharu: *See—*
  Yuhara, Yukitomo; and Hatakeyama, Yoshiharu, 4,834,122, Cl. 132-301.000.
Hatakeyama, Yoshihiro: *See—*
  Arinobu, Ichirou; and Hatakeyama, Yoshihiro, 4,814,935, Cl. 361-96.000.
  Arinobu, Ichirou; and Hatakeyama. Yoshihiro, 4,819,125, Cl. 361-97.000.
Hatakoshi, Gen-ichi: *See—*
  Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.
Hatakoshi, Makoto: *See—*
  Kisida, Hirosi; Nishida, Sumio; and Hatakoshi, Makoto, 4,847,259, Cl. 514-274.000.
  Nishida, Sumio; Matsuo, Noritada; Hatakoshi, Makoto; and Kisida, Hirosi, 4,879,292, Cl. 514-241.000.
Hatamian, Mehdi: *See—*
  Cash, Glenn L.; Hatamian, Mehdi; and Ligtenberg, Adrianus, 4,887,233, Cl. 364-757.000.
Hatamiya, Shigeo: *See—*
  Suzuki, Hiroaki; Murase, Michio; Hatamiya, Shigeo; Naitoh, Masanori; and Tominaga, Kenji, 4,822,557, Cl. 376-282.000.
Hatamura, Kouichi: *See—*
  Hiraoka, Tetsuo; Seike, Shinji; Hatamura, Kouichi; and Akizuki, Minoru, 4,803,961, Cl. 123-52.0MV.
  Sakamoto, Katsuhiko; Hatamura, Kouichi; and Okino, Yoshinori, 4,805,574, Cl. 123-421.000.
Hatamura, Yotaro. Die casting controlling method. 4,874,032, 10-17-89, Cl. 164-457.000.
Hatanaka, Chitoshi: *See—*
  Meguro, Kanji; Fujita, Takeshi; Hatanaka, Chitoshi; and Ooi, Satoru, 4,812,570, Cl. 546-280.000.
Hatanaka, Hiroji H. Egg lecithin process. 4,844,926, 7-4-89, Cl. 426-282.000.
Hatanaka, Isamu; and Takimoto, Masaaki, to Fuji Photo Film Co., Ltd. Light gate array having gates of different areas. 4,850,675, 7-25-89, Cl. 350-331.00R.
Hatanaka, Kaoru; Tabata, Hajime, Hasegawa, Tooru; and Nakazawa, Yoshihiro, to Honda Giken Kogyo Kabushiki Kaisha. Headlight control apparatus for motorcycles. 4,870,545, 9-26-89, Cl. 362-72.000.
Hatanaka, Katsunori; Abe, Naoto; Sakamoto, Eiji; and Saika, Toshihiro, to Canon Kabushiki Kaisha. Method of reading signals in a charge-storage line sensor in which each storage device is sequentially read and then reset during a subsequent dead time interval. 4,829,485, 5-9-89, Cl. 365-239.000.
Hatanaka, Katsunori; Saika, Toshihiro; Ishii, Takayuki; and Yamada, Katsuhiko, to Canon Kabushiki Kaisha. Photoelectric conversion apparatus with separating electrodes. 4,857,751, 8-15-89, Cl. 250-578.000.
Hatanaka, Katsunori: *See—*
  Gofuku, Ihachiro; Osada, Yoshiyuki; Nakagawa, Katsumi; Hatanaka, Katsunori; Saika, Toshihiro; and Kaifu, Noriyuki, 4,886,977, Cl. 250-578.000.
  Nakagawa, Katsumi; Komatsu, Toshiyuki; Seitoh, Shinichi; and Hatanaka, Katsunori, 4,827,345, Cl. 358-213.270.
  Nakagawa, Katsumi; Kawakami, Soichiro; Gofuku, Ihachiro; Hatanaka, Katsunori; Fukaya, Masaki; and Komatsu, Toshiyuki, 4,845,355, Cl. 250-211.00J.
  Ozawa, Masakazu; Ozawa, Kunitaka; Hatanaka, Katsunori; Suzuki, Tetsuo; Mori, Tetsuzo; Shiina, Tadashi; and Ebinuna, Ryuichi, 4,884,085, Cl. 346-136.000.
  Shimada, Tetsuya; Itabashi, Satoshi; and Hatanaka, Katsunori, 4,866,291, Cl. 250-578.000.
Hatanaka, Kazuhiro, to Isuzu Motors Limited. Turbo compound engine. 4,884,407, 12-5-89, Cl. 60-614.000.
Hatanaka, Keiji; Sakuma, Kiyotoshi; Morita, Kiyomi; and Miyake, Junji, to Nissan Motor Co., Ltd.; and Hitachi, Ltd. Air fuel ratio control apparatus. 4,860,211, 8-22-89, Cl. 364-431.050.
Hatanaka, Keiji: *See—*
  Morita, Kiyomi; Kiyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,570, Cl. 123-472.000.
  Morita, Kiyomi; Miyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,571, Cl. 123-492.000.

  Nakai, Takahiro; Hatanaka, Keiji; and Hatano, Yoshiko, 4,862,099, Cl. 329-126.000.
  Ookawa, Katsuhiro; and Hatanaka, Keiji, 4,827,359, Cl. 360-10.300.
Hatanaka, Koichi; and Shibauchi, Yoshito, to Snow Brand Milk Products Co., Ltd. Sterilization method and apparatus therefor. 4,797,255, 1-10-89, Cl. 422-28.000.
Hatanaka, Koji; Maruta, Kenzi; and Suwabe, Hirohisa, to Jidosha Kiki Co., Ltd.; and Hitachi Metals, Ltd. Glow plug for diesel engine with a U-shaped sialon ceramic heater. 4,874,923, 10-17-89, Cl. 219-270.000.
Hatanaka, Koji: *See—*
  Maruta, Kenji; Suwabe, Hiroshi; Ogasawara, Sachio; Masaka, Mitusuke; and Hatanaka, Koji, 4,810,853, Cl. 219-270.000.
  Masaka, Mitusuke; and Hatanaka, Koji, 4,806,734, Cl. 219-270.000.
  Nozaki, Hiroyoshi; Aida, Zenichi; Hara, Hirofumi; Satake, Toshihiko; Mitsuyoshi, Hiroshi; Arakawa, Masayasu; and Hatanaka, Koji, 4,822,647, Cl. 427-421.000.
Hatanaka, Masahiko, to Kabushiki Kaisha Toshiba. Method for detecting and processing magnetic resonance signals. 4,799,013, 1-17-89, Cl. 324-312.000.
Hatanaka, Masahiro: *See—*
  Yoneda, Masahiro; Hatanaka, Masahiro; Kohno, Yoshio; Satoh, Shinichi; Oda, Hidekazu; and Moriizumi, Koichi, 4,887,137, Cl. 357-23.600.
Hatanaka, Masataka: *See—*
  Numata, Tatsuo; Hatanaka, Masataka; Watanabe, Junichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,824,474, Cl. 71-92.000.
  Numata, Tatsuo; Hatanaka, Masataka; and Watanabe, Junichi, 4,837,345, Cl. 549-416.000.
Hatanaka, Minoru, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Optically active β-amino acid derivatives and their salts, and processes for producing the same. 4,837,343, 6-6-89, Cl. 549-291.000.
Hatanaka, Ryousuke, to Nihon Technical Kabushiki Kaisha. Tape player. 4,802,039, 1-31-89, Cl. 360-96.500.
Hatanaka, Ryousuke, to Nihon Technical Kabushiki Kaisha. Head plate operating mechanism for cassette tape player. 4,873,597, 10-10-89, Cl. 360-105.000.
Hatanaka, Sunao: *See—*
  Tomoyori, Makoto; and Hatanaka, Sunao, 4,806,969, Cl. 355-3.0FU.
  Tomoyori, Makoto; and Hatanaka, Sunao, 4,806,972, Cl. 355-4.000.
Hatanaka, Takefumi. Waste material shredder. 4,844,366, 7-4-89, Cl. 241-293.000.
Hatanaka, Tsugio: *See—*
  Okuno, Yoshihiro; Sakanoue, Jun; Sakamoto, Yoshitsugu; Hatanaka, Tsugio; and Okuno, Takashi, 4,867,641, Cl. 415-215.100.
Hatano, Akitsugu: *See—*
  Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, 4,865,659, Cl. 148-33.000.
Hatano, Masaru: *See—*
  Tanjo, Toru; Yamanaka, Toshio; Wakikaido, Takahiro; Hatano, Masaru; Hirata, Nobuyuki; and Kamidaira, Kazuya, 4,811,050, Cl. 355-3.0CH.
Hatano, Mutsuko: *See—*
  Harada, Yutaka; Goto, Eiichi; Kawabe, Ushio; Miyamoto, Nobuo; Nakane, Hideaki; and Hatano, Mutsuko, 4,866,373, Cl. 324-127.000.
Hatano, Norihiko: *See—*
  Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
Hatano, Tadao: *See—*
  Nagaoka, Kazuo; Wakabayashi, Sadao; Kanasugi, Toshihiko; and Hatano, Tadao, 4,843,729, Cl. 33-708.000.
Hatano, Takashi: *See—*
  Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.
Hatano, Tsuyoshi: *See—*
  Sato, Hideki; Mizunoya, Nobuyuki; Asai, Hironori; Anzai, Kazuo; and Hatano, Tsuyoshi, 4,883,704, Cl. 428-209.000.
Hatano, Yoshiko: *See—*
  Nakai, Takahiro; Hatanaka, Keiji; and Hatano, Yoshiko, 4,862,099, Cl. 329-126.000.
Hataoka, Kenji; Yamashita, Akinori; Misumi, Masanori; and Hashimoto, Noboru, to Mazda Motor Corporation. Apparatus for controlling fuel injection and swirl motion of air in internal combustion engine. 4,811,231, 3-7-89, Cl. 364-431.050.
Hatase, Hiroshi: *See—*
  Hasegawa, Yo; Okano, Kazuyuki; Nakanishi, Akira; and Hatase, Hiroshi, 4,885,188, Cl. 427-126.100.
Hatase, Takayuki; and Ohno, Yoshimi, to Ricoh Company Ltd. Automatic focusing device for use in a camera. 4,825,237, 4-25-89, Cl. 354-402.000.
Hatase, Takayuki; and Ohno, Yoshimi, to Ricoh Company, Ltd. Variable focal lens device. 4,861,146, 8-29-89, Cl. 350-429.000.
Hatase, Takayuki: *See—*
  Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,818,921, Cl. 318-269.000.
  Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,831,405, Cl. 354-409.000.
  Ohno, Yoshimi; Hatase, Takayuki; and Hata, Daisuke, 4,881,799, Cl. 350-429.000.
Hataura, Kiyoshi; and Nagahama, Masahiro, to Kubota Ltd. Swirl chamber type combustion chamber for diesel engine. 4,798,183, 1-17-89, Cl. 123-279.000.
Hatayama, Haruaki; Takei, Hideo; Okabe, Takuji; Waku, Yoshiharu; and Ueno, Toyoaki, to UBE Industries, Ltd. Piston-cylinder pulsator circuit with superplastic alloy pressure transmitting medium. 4,860,542, 8-29-89, Cl. 60-583.000.
Hatayama, Hideaki: *See—*
  Otoshi, Sachio; and Hatayama, Hideaki, 4,822,498, Cl. 252-2.000.
Hatayama, Katsuo: *See—*
  Nakatsuka, Shin-ichi; Hayashi, Masatoshi; Yokomori, Sadakazu; Nakashima, Yoshimoto; Hatayama, Katsuo; and Araki, Hiroaki, 4,883,876, Cl. 546-51.000.
  Yoshikawa, Kensei; Ohuchi, Yutaka; Sekiuchi, Kazuto; Saito, Shiuji; Hatayama, Katsuo; and Sota, Kaoru, 4,885,367, Cl. 546-216.000.
Hatayama, Takayoshi; and Kawamoto, Kunio, to Sumitomo Heavy Industries, Ltd. Tooth profile in meshing mechanism. 4,850,237, 7-25-89, Cl. 74-462.000.
Hatch, Frank E., to Hughes Aircraft Company. Modulation arrangement for anti-lock brake system. 4,824,188, 4-25-89, Cl. 303-116.000.
Hatch, Guy M. Ventilator. 4,838,257, 6-13-89, Cl. 128-204.180.
Hatch Imports, Inc.: *See—*
  Gramza, Fred L.; and Hatch, Robert J., 4,843,651, Cl. 2-161.00A.
Hatch, Richard N., to Velcro Industries B.V. Method for adapting separable fasteners for attachment to other objects. 4,814,036, 3-21-89, Cl. 156-245.000.
Hatch, Richard N., to Velcro Industries. B.V. Method for adapting separable fasteners for attachment to other objects. 4,881,997, 11-21-89, Cl. 156-66.000.
Hatch, Robert J.: *See—*
  Gramza, Fred L.; and Hatch, Robert J., 4,843,651, Cl. 2-161.00A.
Hatch, Robert P.: *See—*
  Carrico, Robert J.; Hatch, Robert P.; and Patterson, William L., 4,806,631, Cl. 536-27.000.
Hatch, Ronald R., to Magnavox Government and Industrial Electronics Company. Method and apparatus for automatic calibration of magnetic compass. 4,797,841, 1-10-89, Cl. 364-571.040.
Hatch, Ronald R., to Magnavox Government and Industrial Electronics Company. Method for precision dynamic differential positioning. 4,812,991, 3-14-89, Cl. 364-458.000.
Hatch, Wayne L.: *See—*
  Bullock, Joseph J.; Hatch, Wayne L.; and Tackles, George, 4,798,301, Cl. 215-256.000.
Hatch, William K., Jr. Expendable frangible electrical connector. 4,863,397, 9-5-89, Cl. 439-475.000.
Hatcher, G. Stephen, to Boeing Company, The. Tracking loop having nonlinear amplitude filter. 4,797,635, 1-10-89, Cl. 331-17.000.
Hatcher, Owen W., Jr., to Advanced Micro Devices, Inc. Method of performing electrical reject selection. 4,836,883, 6-6-89, Cl. 156-627.000.
Hatchett, Michael R.; and Heath, John S., to International Business Machines Corporation. Disk file with air filtration system. 4,809,102, 2-28-89, Cl. 360-98.000.
Hatco Chemical Corporation: *See—*
  Carr, Dale D.; and DeGeorge, Nicholas, deceased, 4,826,633, Cl. 252-56.00S.
Hatco Corporation: *See—*
  Chaudoir, Roderick J., 4,822,981, Cl. 219-385.000.
Hater, Gary R.; Krupka, Mark J.; and Davis, Lois T., to Sybron Chemicals, Inc. Device for seeding bacterial cultures to systems to assist in biodegrading waste. 4,810,385, 3-7-89, Cl. 210-606.000.
Hater, Gary R.; and Goldsmith, Charles D., to Sybron Chemicals. Inc. Bioremediation system. 4,850,745, 7-25-89, Cl. 405-258.000.
Hatfield, Arthur C.: *See—*
  McKinney, James M.; Hatfield, Arthur C.; and Samson, Richard D., 4,833,006, Cl. 428-226.000.
Hatfield, John. Safety stanchion release apparatus. 4,867,105, 9-19-89, Cl. 119-148.000.
Hatfield, John G., to AMP Incorporated. Automatic fast take up for use with ratchet hand tool. 4,809,571, 3-7-89, Cl. 81-355.000.
Hatfield, John W.: *See—*
  Book, William J.; and Hatfield, John W., 4,834,257, Cl. 220-85.01C.
Hatfield, R. Andrew, to AVCOM of Virginia, Inc. Spectrum analyzer and logarithmic amplifier therefor. 4,812,772, 3-14-89, Cl. 328-145.000.
Hatfield, Stephen C., to Combustion Engineering, Inc. Support grid with integral vanes. 4,844,860, 7-4-89, Cl. 376-439.000.
Hatfield, Stephen C., to Combustion Engineering, Inc. Replacement rod. 4,863,681, 9-5-89, Cl. 376-451.000.
Hatfield, Stephen C.: *See—*
  Perrotti, Patrick A.; Joffre, Paul F.; Karoutas, Zeses E.; Corsetti, Lawrence V.; Bryan, William J.; and Hatfield, Stephen C., 4,879,090, Cl. 376-462.000.
Hatfield, W. Robert: *See—*
  Farrauto, Robert J.; Lee, Hyo C.; and Hatfield, W. Robert, 4,863,893, Cl. 502-325.000.
Hatfield, Walter B.; Tobol, Nathan; and Scholl, Frederick W., to Codenoll Technology Corporation. Method and apparatus for detecting the collision of data packets utilizing a preassigned transceiver code in the preamble. 4,888,763, 12-19-89, Cl. 370-85.200.
Hathaway, Doris: *See—*
  Groll, Werner; Hathaway, Doris; and Schock, Gernot, 4,859,412, Cl. 419-23.000.

Hathaway, Mark A., to Ampex Corporation. Tape guide mechanism. 4,881,145, 11-14-89, Cl. 360-130.240.

Hathaway, Roger C.; and Srivastava, Gopal K., to Zenith Electronics Corporation. Sync pulse separator system. 4,812,907, 3-14-89, Cl. 358-153.000.

Hathaway, Susan J.; and Pyles, Robert A., to General Electric Company. Functionalized thermoplastic polymers, blends prepared therefrom, and methods for preparing blends. 4,800,218, 1-24-89, Cl. 525-433.000.

Hathaway, Susan J.; and Han, Choong Y., to General Electric Company. Thermally stable polyphenylene ether having terminal anthranilate ester groups. 4,808,672, 2-28-89, Cl. 525-397.000.

Hathaway, Susan J.: *See—*

Gambale, Ronald J.; Hathaway, Susan J.; Longley, Kathryn L.; and Ullman, Timothy J., 4,853,458, Cl. 528-198.000.

Hathcock, Steven L.; and Johnson, Bruce M., to Hathcock, Steven L. Auxiliary dialing system for mobile telephones. 4,852,146, 7-25-89, Cl. 379-58.000.

Hathorn, Jack L.: *See—*

Scheier, Donald J.; and Hathorn, Jack L., 4,827,570, Cl. 17-46.000.

Scheier, Donald J.; and Hathorn, Jack L., 4,873,746, Cl. 17-11.000.

Hatimaki, Takeshi, to Nippon Air Brake Co., Ltd. Compressed air supply system. 4,819,123, 4-4-89, Cl. 361-23.000.

Hatje, Gunter H., to Helmut K. Pinsch GmbH & Co. Method and system for optically testing sawn timber for faults. 4,827,142, 5-2-89, Cl. 250-563.000.

Hatoh, Hisamitu: *See—*

Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hatoh, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.

Hatono, Shunsou; Yazaki, Akira; Yokomoto, Masaharu; and Hirao, Yuzo, to Wakunaga Seiyaku Kabushiki Kaisha. Bile acid derivatives, their salts and production thereof. 4,810,422, 3-7-89, Cl. 260-397.100.

Hatori, Tsuruo, to Olympus Optical Co., Ltd. Endoscope. 4,805,596, 2-21-89, Cl. 128-4.000.

Hatori, Yoshinori; Nishiwaki, Mitsuo; and Mukawa, Naoki, to Kokusai Denshin Denwa Co., Ltd.; Nippon Telegraph & Telephone Corp.; and Nec Corp. Decoding device capable of producing a decoded video signal with a reduced delay. 4,807,028, 2-21-89, Cl. 358-133.000.

Hatori, Yoshinori; Kato, Yoichi; Ohta, Mutsumi; and Kosugi, Yasuhiro, to Kokusai Denshin Denwa Co., Ltd.; Nippon Telegraph and Telephone Corporation; NEC Corporation; and Fujitsu Limited. Moving image signal coding system. 4,837,618, 6-6-89, Cl. 358-135.000.

Hatschek, Rudolf A.: *See—*

Hurka, Wilhelm; and Hatschek, Rudolf A., 4,841,964, Cl. 128-203.150.

Hatsuda, Yasuyuki: *See—*

Murakami, Nobuaki; and Hatsuda, Yasuyuki, 4,823,753, Cl. 123-417.000.

Hatsuse, Toshikazu: *See—*

Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masaru; Wada, Toshiaki; and Nakaoka, Junichi, 4,794,736, Cl. 51-165.720.

Hatsutori, Seiji, to Daidotokushuko Kabushiki Kaisha. Tapered screw member having guide means. 4,818,167, 4-4-89, Cl. 411-386.000.

Hatsuyama, Ikuo, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 4,828,069, 5-9-89, Cl. 180-219.000.

Hatta, Koichi, to Sharp Kabushiki Kaisha. Programmable calculator with external memory module and protection against erroneous erasure of data in the module. 4,796,215, 1-3-89, Cl. 364-706.000.

Hatta, Koichi; and Natsuhara, Akira, to Sharp Kabushiki Kaisha. Display system for a compact electronic apparatus. 4,864,530, 9-5-89, Cl. 364-900.000.

Hatta, Koichi: *See—*

Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.

Hatta, Naoyuki; Yoshihara, Hideo; Izaki, Takeshi; Sawada, Akihiro; Yamamoto, Takemi; and Sangyoji, Kazuo, to Brother Kogyo Kabushiki Kaisha. Copyable blackboard. 4,797,107, 1-10-89, Cl. 434-408.000.

Hatta, Naoyuki; and Furukawa, Satoshi, to Brother Kogyo Kabushiki Kaisha. Photosensitive recording medium capable of image contrast adjustment. 4,806,446, 2-21-89, Cl. 430-138.000.

Hatta, Naoyuki, to Brother Kogyo Kabushiki Kaisha. Imaging device. 4,816,873, 3-28-89, Cl. 355-27.000.

Hatta, Naoyuki, to Brother Kogyo Kabushiki Kaisha. Transfer-type photo-sensitive sheet. 4,826,751, 5-2-89, Cl. 430-138.000.

Hatta, Naoyuki: *See—*

Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, 4,810,614, Cl. 430-138.000.

Yamamoto, Takemi; Komiya, Ryohei; Hatta, Naoyuki; Matsumoto, Yumio; and Sunda, Fumihiro, 4,870,444, Cl. 355-1.000.

Hatta, Toshiyuki: *See—*

Kato, Chiaki; Hatta, Toshiyuki; Isomura, Akihiko; Toyooka, Shinichi; and Nishi, Masaya, 4,844,953, Cl. 427-387.000.

Kato, Chiaki; Nishi, Masaya; and Hatta, Toshiyuki, 4,887,340, Cl. 29-130.000.

Hatta, Toyoji: *See—*

Tsukamoto, Takashi; Hatta, Toyoji; and Minato, Ichiro, 4,841,008, Cl. 528-45.000.

Hatta, Yasushi; Mitsusada, Kazumichi; Tanaka, Hirotoshi; and Hayashi, Takehisa, to Hitachi, Ltd. Semiconductor integrated circuit device having semi-insulator substrate. 4,803,527, 2-7-89, Cl. 357-13.000.

Hatta, Yoshihiko: *See—*

Kinoshita, Naoyoshi; Higashi, Toshikazu; Matsuuchi, Yasuyuki; Hatta, Yoshihiko; and Ito, Masazumi, 4,866,474, Cl. 355-218.000.

Hatta, Yutaka: *See—*

Matsumura, Fujio; Sugita, Naoki; and Hatta, Yutaka, 4,829,773, Cl. 62-50.000.

Hattan, Mark, to Green, William P., a part interest. Fatigue resistant fasteners and related methods. 4,802,805, 2-7-89, Cl. 411-263.000.

Hattan, Mark. Box camera. 4,835,559, 5-30-89, Cl. 354-195.100.

Hattan, Mark; and Dodge, Robert G., to Green, William P. Gauge for internal threads. 4,856,198, 8-15-89, Cl. 33-199.00R.

Hattan, Mark: *See—*

Green, William P., 4,842,464, Cl. 411-307.000.

Hattem, Nicolaas V.: *See—*

Plate, Gary; and Hattem, Nicolaas V., 4,863,544, Cl. 156-251.000.

Hattenberger, John S.: *See—*

Brazdil, James F., Jr.; Hattenberger, John S.; Hildebrand, Richard E.; and Bartek, Joseph P., 4,822,944, Cl. 585-500.000.

Hatter, Edwin E.: *See—*

Williamson, Herman L.; Hatter, Edwin E.; and Hufnagl, Gerhart, 4,815,907, Cl. 411-107.000.

Hattey, David L.: *See—*

Nazarenko, Dimitri M.; Hughes, Houston H., III; Gordon, Robert T.; Hattey, David L.; and Yurman, Bruno, 4,835,731, Cl. 379-63.000.

Hatting, Paul; and Wienen, Kurt. Leak indicating device for centrifugal pump. 4,854,823, 8-8-89, Cl. 417-63.000.

Hattler, Brack G.; and Furman, Irvin, to Advanced Medical Technology & Development Corp. Multi-lumen catheter. 4,846,791, 7-11-89, Cl. 604-43.000.

Hattman, Fredric J.: *See—*

Gefroh, James A.; and Hattman, Fredric J., 4,876,833, Cl. 52-107.000.

Hatton, Gregory J., to Texaco Inc. Means and method for monitoring the flow of a multi-phase petroleum stream. 4,884,457, 12-5-89, Cl. 73-861.040.

Hatton, Leslie: *See—*

Ziolkowski, Antoni M.; Hatton, Leslie; Parkes, Gregory E.; and Haugland, Tor-Avid, 4,868,794, Cl. 367-23.000.

Hatton, Leslie R., to May & Baker Limited. Phenylpropargylamine derivatives. 4,871,748, 10-3-89, Cl. 514-317.000.

Hattori, Akimasa: *See—*

Makita, Kensuke; Hattori, Akimasa; and Tanaka, Katsumi, 4,874,462, Cl. 156-635.000.

Hattori, Akinobu: *See—*

Usami, Jun; Hattori, Akinobu; and Sasaki, Yuichi, 4,875,981, Cl. 204-1.00T.

Hattori, Eiji; Tagawa, Toru; and Oguri, Yasuo, to Mitsubishi Kasei Corp. Method for preparing silica gel particles. 4,865,829, 9-12-89, Cl. 423-338.000.

Hattori, Etsuo; Iwami, Tomoyuki; Miyazaki, Yoshihiro; and Ohbuchi, Ryutaroh, to International Business Machines Corporation. Display system having extended raster operation circuitry. 4,799,056, 1-17-89, Cl. 340-799.000.

Hattori, Hideaki: *See—*

Yokoshima, Minoru; Ohkubo, Tetsuo; Hattori, Hideaki; and Kiyomoto, Masayuki, 4,843,111, Cl. 522-42.000.

Hattori, Hideo: *See—*

Nishikuri, Masao; Hashimoto, Kiyoyasu; and Hattori, Hideo, 4,826,505, Cl. 8-688.000.

Hattori, Hiroshi; and Shibata, Satoshi, to Brother Kogyo Kabushiki Kaisha. Relocating control system for a printing apparatus. 4,804,214, 2-14-89, Cl. 400-279.000.

Hattori, Hiroshi: *See—*

Kanagawa, Akira; and Hattori, Hiroshi, 4,849,709, Cl. 330-259.000.

Uneo, Hideo; Hattori, Hiroshi; Yamada, Shigeto; and Yamada Shigeto, 4,810,121, Cl. 400-697.100.

Hattori, Hitoshi: *See—*

Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.

Hattori, Isao; and Noiri, Hifuo, to NGK Insulators, Ltd. Extruding die structure for plunger molding machine. 4,798,528, 1-17-89, Cl. 425-190.000.

Hattori, Isao; and Enomoto, Akio, to NGK Insulators, Ltd. Apparatus for changing posture of green extruded body. 4,808,065, 2-28-89, Cl. 414-774.000.

Hattori, Isao; and Ikeshima, Kouichi, to NGK Insulators, Ltd. High strength ceramic honeycomb structure. 4,810,554, 3-7-89, Cl. 428-116.000.

Hattori, Isao; and Ikeshima, Koichi, to NGK Insulators, Ltd. Ceramic honeycomb structural bodies. 4,835,044, 5-30-89, Cl. 428-116.000.

Hattori, Jun: *See—*

Kitagishi, Nozomu; Nakayama, Hiroki; Suda, Shigeyuki; Hattori, Jun; and Horiuchi, Akihisa, 4,842,386, Cl. 350-427.000.

Kitagishi, Nozomu; and Hattori, Jun, 4,859,040, Cl. 350-413.000.

Suda, Shigeyuki; Hattori, Jun; Kitagishi, Nozomu; Nakayama Hiroki; and Horiuchi, Akihisa, 4,810,070, Cl. 350-413.000.

Suzuki, Masayuki; and Hattori, Jun, 4,848,882, Cl. 350-413.000.

Hattori, Junichi: *See—*

Aoyama, Takeo; Imai, Teruo; Hattori, Junichi; and Uehara, Miko, 4,876,049, Cl. 264-49.000.

Hattori, Kaneaki: *See—*

Yamauchi, Takayoshi; Hattori, Kaneaki; Ikeda, Shunichi; and Tamaki, Kentaro, 4,795,831, Cl. 568-27.000.

Yamauchi, Takayoshi; Hattori, Kaneaki; Ikeda, Shunichi; and Tamaki, Kentaro, 4,847,390, Cl. 549-332.000.

Hattori, Katsuhiko; Suzuki, Hideyuki; and Ogasawara, Takeo, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Hydraulic control apparatus for stepless transmission. 4,798,561, 1-17-89, Cl. 474-28.000.

Hattori, Kenichi; and Imamatsu, Kazuya, to Furukawa Electric Co., Ltd., The. Corrugated plastic pipe coupling. 4,871,198, 10-3-89, Cl. 285-373.000.

Hattori, Kenji; Tanaka, Hiroshi; and Tanaka, Shinichi, to Honda Giken Kogyo Kabushiki Kaisha; and Dainippon Ink & Chemicals, Inc. Magnetic ring for detecting the rotation of an object. 4,835,505, 5-30-89, Cl. 335-302.000.

Hattori, Kenji; and Eguchi, Katsuhiko, to Reflection Technology, Inc. Water pump apparatus. 4,869,649, 9-26-89, Cl. 417-238.000.

Hattori, Kenji: *See—*

Numata, Tatsuo; Hatanaka, Masataka; Watanabe, Junichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,824,474, Cl. 71-92.000.

Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,830,660, Cl. 71-92.000.

Yamamoto, Susumu; Takuya, Kakuta; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,844,728, Cl. 71-92.000.

Hattori, Kiyoshi: *See—*

Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.

Hattori, Kohji: *See—*

Murata, Masayoshi; Tsutsumi, Hideo; Matsuda, Keiji; Hattori, Kohji; and Nakajima, Takashi, 4,822,787, Cl. 514-210.000.

Hattori, Kyo: *See—*

Ushida, Masayasu; Nakao, Sigeru; and Hattori, Kyo, 4,869,216, Cl. 123-146.50A.

Hattori, Masahiro; and Nanba, Yasuyuki, to Kirin Beer Kabushiki Kaisha. Device for rotating containers while transporting same. 4,832,173, 5-23-89, Cl. 198-377.000.

Hattori, Masaichi: *See—*

Yukitomo, Kazuo; Anan, Yoshiaki; Hattori, Masaichi; Arakawa, Kaneyasu; Hanaki, Akira; and Kihira, Koichi, 4,801,770, Cl. 200-61.270.

Hattori, Masashi: *See—*

Sakakibara, Shiro; and Hattori, Masashi, 4,864,889, Cl. 74-689.000.

Hattori, Masayuki: *See—*

Kasai, Kiyoshi; Hattori, Masayuki; Takeuchi, Hiromi; and Sakurai, Nobuo, 4,798,691, Cl. 264-47.000.

Kasai, Kiyoshi; Hattori, Masayuki; Shimizu, Tatsuya; and Tadenuma, Hiroshi, 4,828,955, Cl. 430-111.000.

Hattori, Michinobu; Fujisawa, Hidemitsu; and Kusaura, Akio, to Mitsubishi Denki Kabushiki Kaisha. Optical disc with inhibited thermal distortion. 4,877,667, 10-31-89, Cl. 428-64.000.

Hattori, Mitsuhiro: *See—*

Kawai, Katsunori; Suzuki, Shinichi; Hattori, Mitsuhiro; and Deguchi, Hiroyuki, 4,856,292, Cl. 62-217.000.

Hattori, Noboru: *See—*

Oshidari, Toshikazu; Hattori, Noboru; and Kato, Yoshiaki, 4,840,261, Cl. 192-106.00F.

Hattori, Noriaki: *See—*

Ishino, Iwao; and Hattori, Noriaki, 4,829,119, Cl. 524-436.000.

Hattori, Norikazu; Urabe, Sunao; and Kusumoto, Koshi, to Tokuyama Soda Kabushiki Kaisha. Curable composition. 4,877,854, 10-31-89, Cl. 528-15.000.

Hattori, Osamu; Yasaka, Anton; Nakagawa, Yoshitomo; Sato, Mitsuyoshi; and Sasaki, Sumio, to Seiko Instruments Inc. Apparatus for repairing a pattern film. 4,851,097, 7-25-89, Cl. 204-192.330.

Hattori, Osamu; Gotoh, Toshihiko; and Tanno, Kohtarou, to Hitachi Video Engineering Inc.; and Hitachi Ltd. Thermal recording head. 4,862,193, 8-29-89, Cl. 346-76.0PH.

Hattori, Ryo: *See—*

Kagawa, Hitoshi; and Hattori, Ryo, 4,852,112, Cl. 372-49.000.

Hattori, Ryuichi: *See—*

Akatsu, Shigeru; Matsumura, Yasushi; and Hattori, Ryuichi, 4,809,596, Cl. 99-472.000.

Hattori, Sadayoshi: *See—*

Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayoshi, 4,857,869, Cl. 333-26.000.

Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayoshi, 4,868,520, Cl. 330-295.000.

Hattori, Seiji. Band mounting apparatus for a diving fin. 4,795,384, 1-3-89, Cl. 441-64.000.

Hattori, Shigenori; and Yamaguchi, Koshiro, to Brother Kogyo Kabushiki Kaisha. Thermal printer having ribbon take-up mechanism utilizing carriage movement. 4,798,487, 1-17-89, Cl. 400-223.000.

Hattori, Shigeru; and Asakura, Toshimitsu, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 4,799,569, 1-24-89, Cl. 180-219.000.

Hattori, Shin; Takai, Makoto; Omori, Kazuhiro; Ozawa, Shinji; and Wakabayashi, Toshio, to [illegible] Kabushiki Kaisha. Amide derivatives and antiallergic agents containing the same. 4,795,752, 1-3-89, Cl. 514-327.000.

Hattori, Shin: *See—*

Takai, Makoto; Itoh, Noriie; Hattori, Shin; Hasegawa, Hirokazu; and Wakabayashi, Toshio, 4,816,486, Cl. 514-620.000.

Hattori, Shinichiro: *See—*

Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.

Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Ckabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Yamasita, Nobuo; Kanamori, Iwao; and Hattori, Shinichiro, 4,801,792, Cl. 250-205.000.

Hattori, Shintaroo: *See—*

Ohara, Shuichi; Akasaka, Sinichi; Oka, Hiroyuki; and Hattori, Shintaroo, 4,812,439, Cl. 503-227.000.

Hattori, Shogo: *See—*

Yamaguchi, Kouji; Ishikawa, Yoshikazu; Kameda, Toshihiro; Hattori, Shogo; and Miyake, Junichi, 4,860,708, Cl. 123-399.000.

Hattori, Shuzo; Tagawa, Takashi; and Asano, Motomu, to Meitec Corporation; and Hattori, Shuzo. X-ray generator with grooved rotary anode. 4,873,709, 10-10-89, Cl. 378-142.000.

Hattori, Shuzo: *See—*

Hane, Kazuhiro; and Hattori, Shuzo, 4,870.865, Cl. 73-512.000.

Hattori, Siro: *See—*

Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, 4,801,247, Cl. 417-213.000.

Hattori, Tadashi: *See—*

Hanaki, Kenichi; Kitagawa, Hitomi; Tominaga, Takayuki; and Hattori, Tadashi, 4,847,215, Cl. 437-100.000.

Nishida, Minoru; Mizuno, Naohito; Hattori, Tadashi; Huzino, Seizi; and Ando, Yoshiyasu, 4,840,067, Cl. 73-726.000.

Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; and Hattori, Tadashi, 4,833,912, Cl. 73-118.200.

Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seizi; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, 4,843,882, Cl. 73-204.260.

Ohta, Minoru; Miura, Kazuhiko; Huzino, Seizi; Kanehara, Kenji; and Hattori, Tadashi, 4,870,860, Cl. 73-204.260.

Ootsuka, Yoshinori; Atsumi, Kinya; Arai, Masumi; and Hattori, Tadashi, 4,879,139, Cl. 427-38.000.

Sakakibara, Nobuyoshi; Katada, Mitutaka; Ohta, Minoru; Hattori, Tadashi; and Tominaga, Takayuki, 4,819,037, Cl. 357-4.000.

Yamamoto, Minoru; Ito, Nobuei; Uesugi, Hiroshi; and Hattori, Tadashi, 4,851,254, Cl. 427-37.000.

Hattori, Takemi; and Kume, Hirofumi, to Aisin Seiki Kabushiki Kaisha. Adjustable lumbar support. 4,811,986, 3-14-89, Cl. 297-284.000.

Hattori, Takemi: *See—*

Tanino, Masaharu; and Hattori, Takemi, 4,798,415, Cl. 297-410.000.

Hattori. Torao; Nishimura, Minoru; and Goto, Masaki, to Honda Giken Kogyo Kabushiki Kaisha. Power transmitting V-belt. 4,838,845, 6-13-89, Cl. 474-242.000.

Hattori, Torao, to Honda Giken Kogyo Kabushiki Kaisha. Power transmitting V-belt. 4.854,926, 8-8-89, Cl. 474-242.000.

Hattori, Torao, to Honda Giken Kogyo Kabushiki Kaisha. Belt-and-pulley type continuously variable transmission. 4,871,343, 10-3-89, Cl. 474-28.000.

Hattori, Torao, to Honda Giken Kogyo Kabushiki Kaisha. Belt type continuously variable transmission for vehicle. 4,881,925, 11-21-89, Cl. 474-18.000.

Hattori, Torao, to Honda Giken Kogyo Kabushiki Kaisha. V-pulley for belt type continuously variable transmission. 4,884,997, 12-5-89, Cl. 474-28.000.

Hattori, Toshihiko: *See—*

Hitomi, Mitsuo; Yamashita, Akinori; Hattori, Toshihiko; and Yuzuriha, Yasuhiro, 4,846,117, Cl. 123-52.0MV.

Hitomi, Mitsuo; Yuzuriha, Yasuhiro; Hattori, Toshihiko; and Yamashita, Akinori, 4,889,082, Cl. 123-52.00M.

Hattori, Toshihiro; Ishihara, Masaki; Kasai, Hitoshi; and Asagi, Yasuyoshi, to Isuzu Motors Limited; and Fujitsu Limited. Signal processing system for vehicular acceleration sensor. 4,843,555, 6-27-89, Cl. 364-431.070.

Hattori, Tsuyoshi; Tanaka, Masanao; and Matsuzaka, Syoji, to Konica Corporation. Camera equipped with a television set. 4,873,576, 10-10-89, Cl. 358-224.000.

Hattori, Yasuji: *See—*

Inoue, Akira; and Hattori, Yasuji, 4,882,497, Cl. 250-560.000.

Hattori, Yoshiaki; and Ishihara, Makoto, to Noritake Co., Ltd. Carbon fiber-reinforcing gypsum models and forming molds, gypsum powder materials for making such models and molds, and a method for producing them. 4,859,243, 8-22-89, Cl. 106-110.000.

Hattori, Yoshihiro: *See—*

Inagaki, Sanji; Fukao, Hiroshi; Yamada, Tetsuya; Urano, Etsuaki; and Hattori, Yoshihiro, 4,812,873, Cl. 355-3.0FU.

Hattori, Yoshimasa; and Furusho, Noboru, to Fuji Electric Co., Ltd. Azo photoconductor for electrophotography. 4,871,636, 10-3-89, Cl. 430-77.000.

Hattori, Yoshimasa; and Furusho, Noboru, to Fuji Electric Co., Ltd. Azo photoconductor for electrophotography. 4,882,255, 11-21-89, Cl. 430-73.000.

Hattori, Yoshimasa: *See—*

Kuroda, Masami; Hattori, Yoshimasa; Furusho, Noboru; and Sugata, Yoshinobu, 4,877,703, Cl. 430-76.000.

Hattori, Yoshinori: *See—*

Kito, Tomohisa; Yabuta, Katsuhisa; and Hattori, Yoshinori, 4,878,812, Cl. 416-241.00B.

Hattori, Yoshio, to Seiko Instruments & Electronics Ltd. Semiconductor variable capacitance element. 4,816,894, 3-28-89, Cl. 357-51.000.
Hattori, Yoshio, to Seiko Instruments Inc. Circuit oscillator. 4,821,001, 4-11-89, Cl. 331-158.000.
Hattori, Yoshiyuki: *See*—
  Goshima, Takahiro; Hattori, Yoshiyuki; Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, 4,799,048, Cl. 340-626.000.
  Matsui, Kazuma; Hattori, Yoshiyuki; Imani, Yuuichi; Kuno, Akira; and Nomura, Yoshihisa, 4,800,498, Cl. 364-426.020.
  Wakata, Hideo; Imoto, Yuzo; Takei, Toshihiro; and Hattori, Yoshiyuki, 4,796,957, Cl. 303-116.000.
  Wakata, Hideo; Takei, Toshihiro; Hattori, Yoshiyuki; Uno, Haruhiko; and Imoto, Yuzo, 4,836,618, Cl. 303-103.000.
Hattori, Yuji, to Brother Kogyo Kabushiki Kaisha. Printer with a ribbon lift mechanism having selective time intervals either in typewriter mode or in printer mode. 4,810,117, 3-7-89, Cl. 400-212.000.
Hattori, Yumi: *See*—
  Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,803,277, Cl. 514-332.000.
  Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,806,553, Cl. 514-332.000.
  Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,849,432, Cl. 514-341.000.
  Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,876,263, Cl. 514-338.000.
  Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,882,344, Cl. 514-342.000.
Hattori, Yutaka, to Yokohama Rubber Co., Ltd., The. Method of removing toner from a rotating drum in a xerographic copying machine using a vibrating blade. 4,875,070, 10-17-89, Cl. 355-299.000.
Hattori, Yutaka: *See*—
  Mizutani, Shuzo; Matsuda, Riki; Taki, Kazunari; Hattori, Yutaka; Miyaki, Kazuyuki; and Hirahata, Shinichi, 4,807,204, Cl. 369-13.000.
  Suzuki, Akihiro; Suzuki, Makoto; Hattori, Yutaka; Miyaki, Kazuyuki; Yoshida, Masayuki; Taki, Kazunari; and Bessho, Yoshinori, 4,865,407, Cl. 350-96.120.
Hatwar, Tukaram K., to Eastman Kodak Company. Sputtering target and method of preparing the same. 4,885,134, 12-5-89, Cl. 420-416.000.
Hatwar, Tukaram K.: *See*—
  Glocker, David A.; Hatwar, Tukaram K.; McIntire, Gregory L.; Rao, Srinivas T.; and Stinson, Douglas G., 4,877,690, Cl. 428-627.000.
Hatzidimitriu, Stratos E.; and Hall, W. Reginald, to FMC Corporation. Process for mild heat treatment of concentrated fluids from membranes. 4,880,647, 11-14-89, Cl. 426-239.000.
Hatzikazakis, Michael: *See*—
  Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,795,321, Cl. 418-1.000.
  Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,795,322, Cl. 418-55.000.
  Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,811,471, Cl. 29-156.40R.
  Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,834,633, Cl. 418-1.000.
  Etemad, Shahrokh; Yannascoli, Donald; and Hatzikazakis, Michael, 4,854,831, Cl. 417-366.000.
Hatzinikolas, Michael A.; and Pacholok, Robert M., to Fero Holdings Ltd. Shear connector. 4,869,043, 9-26-89, Cl. 52-712.000.
Hau, Jann; and Poulsen, Otto M. Method of accelerating the ripening of cheese. 4,851,236, 7-25-89, Cl. 426-36.000.
Haub, Gary. Basketball player's training aid for teaching proper follow through. 4,805,905, 2-21-89, Cl. 273-1.50A.
Haubennestel, Karl-Heinz; Heilmann, Holger; and Diez, Andreas, to BYK-Chemie GmbH. Thixotropic formulations, use of polycarboxylic acid amides to produce them, and silica coated with polycarboxylic acid amides. 4,857,111, 8-15-89, Cl. 106-504.000.
Haubennestel, Karlheinz; and Pritschins, Wolfgang, to BYK-Chemie GmbH. Addition compounds suitable for use as dispersing agents and dispersion stabilizers, process for their production, their use and solids coated therewith. 4,795,796, 1-3-89, Cl. 528-28.000.
Haubennestel, Karlheinz; and Bubat, Alfred, to BYK-Chemie GmbH. Polyester group containing polysiloxanes for lacquers and molding compositions. 4,812,518, 3-14-89, Cl. 525-100.000.
Hauber, Michael: *See*—
  Fottinger, Walter; Hauber, Michael; and Weghmann, Arnold, 4,886,527, Cl. 55-156.000.
Haubner, Georg; and Zobl, Hartmut, to Robert Bosch GmbH. Coordinated circuit for supplying power from a D-C source to a microcomputer and its semiconductor memories. 4,849,941, 7-18-89, Cl. 365-228.000.
Haubner, Georg: *See*—
  Fassel, Reinhard; Haubner, Georg; and Zobl, Hartmut, 4,803,590, Cl. 361-386.000.
Haubrich, Gerhard; Prescher, Guenter; and Faller, Juergen, to Degussa Aktiengesellschaft. Method for the preparation of tetrahydrofurfuryl-(alpha)-methacrylate and catalyst therefor. 4,861,902, 8-29-89, Cl. 549-499.000.
Hauck, Bobbie W.: *See*—
  Wenger, LaVon G.; Hauck, Bobbie W.; and Hartter, Timothy R., 4,875,847, Cl. 425-204.000.
Hauck, Frederick A.: *See*—
  Schneider, Richard T.; and Hauck, Frederick A., 4,869,729, Cl. 48-77.000.
Hauck, Lane T. Logic array programmer. 4,849,928, 7-18-89, Cl. 364-900.000.
Hauck, Paul L.: *See*—
  Linzer, Frederick D.; and Hauck, Paul L., 4,811,783, Cl. 165-134.100.
Hauck, Robert B.: *See*—
  Maki, Michael D.; Miller, Darrell J.; Filtz, Duane A.; and Hauck, Robert B., 4,845,734, Cl. 378-181.000.
Hauel, Norbert: *See*—
  Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, 4,871,735, Cl. 514-213.000.
  Narr, Berthold; Hauel, Norbert; Noll, Klaus; Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; van Meel, Jacques; and Diederen, Willi, 4,831,027, Cl. 514-212.000.
Hauenstein, Frederick M.: *See*—
  Donahue, Raymond J.; Cleary, Terrance M.; Hauenstein, Frederick M.; and Marcellis, Daniel H., 4,875,517, Cl. 164-34.000.
Hauenstein, Gerhard: *See*—
  Maisel, Manfred; Kolle, Erich; and Hauenstein, Gerhard, 4,837,850, Cl. 455-58.000.
Hauer, Allan: *See*—
  Whitlock, Robert R.; Wark, Justin S.; and Hauer, Allan, 4,821,302, Cl. 378-73.000.
Hauer, Hans: *See*—
  Dietrich, Klaus; Hauer, Hans; and Schreier, Klaus, 4,873,521, Cl. 340-825.520.
Hauer, Jean-Claude: *See*—
  Defrance, Andre; and Hauer, Jean-Claude, 4,840,514, Cl. 404-25.000.
Hauers, Manfred: *See*—
  Grassle, Herbert; Hauers, Manfred; Vits, Dieter; and Weeger, Hans-Peter, 4,805,352, Cl. 57-267.000.
Haueter, Ernst, to Autelca AG. Storage device. 4,871,125, 10-3-89, Cl. 242-67.30R.
Haufe, Wolfgang: *See*—
  Rothkegel, Bernhard; and Haufe, Wolfgang, 4,855,104, Cl. 419-28.000.
Hauff, Brian L., to LeisureTech Sports Corp. Apparatus for supporting and tensioning a net. 4,838,558, 6-13-89, Cl. 273-395.000.
Hauff, Werner, to Plastoform GmbH & Co. KG. Wall feedthrough fitting. 4,889,298, 12-26-89, Cl. 248-56.000.
Hauffe, Dieter; Beege, Gisela; Mischke, Peter; and Rausch, Werner, to Metallgesellschaft Aktiengesellschaft. Process of producing phosphate coatings on metal surfaces. 4,849,031, 7-18-89, Cl. 148-260.000.
Hauffe, Dieter; Kuhna, Rainer; Muller, Gerhard; Rausch, Werner; and Schumichen, Helmut, to Metallgesellschaft Aktiengesellschaft. Process of producing phosphate coatings. 4,867,853, 9-19-89, Cl. 204-181.300.
Haug, Friedrich, to Siemens Aktiengesellschaft. Transmission-reception equipment for a bus system. 4,881,244, 11-14-89, Cl. 375-36.000.
Haug, Friedrich, to Siemens Aktiengesellschaft. Transmission-reception equipment for a bus system. 4,888,764, 12-19-89, Cl. 370-85.100.
Haug, Georg: *See*—
  Scheder, Dietmar; and Haug, Georg, 4,802,311, Cl. 51-289.00R.
Haug, Harald; Kleinhammer, Gerd; and Mattersberger, Johann, to Boehringer Mannheim GmbH. Conjugate for enzyme immuno determinations. 4,843,001, 6-27-89, Cl. 435-7.000.
Haug, Joachim, to Patent-Treuhand Gesellschaft fur elektrische Gluhlampen mbH. Machine for sequential manufacture of incandescent lamp filaments. 4,799,518, 1-24-89, Cl. 140-71.500.
Haug, Walter, to Kassbohrer of North America, Inc. Levelling attachment. 4,888,891, 12-26-89, Cl. 37-222.000.
Hauge, Leif J. Pressure exchanger for liquids. 4,887,942, 12-19-89, Cl. 417-64.000.
Haugen, Alvin E. Sun-powered vest. 4,827,534, 5-9-89, Cl. 2-108.000.
Haugen, Bruce A.: *See*—
  York, John D.; Peppard, Edward M.; and Haugen, Bruce A., 4,835,828, Cl. 29-157.30C.
Haugen, David M.; Wesson, David S.; Luke, Robert R.; and George, Kevin R., to Halliburton Company. Annulus pressure operated vent assembly. 4,800,958, 1-31-89, Cl. 166-55.100.
Haugen, Hartwick A.: *See*—
  Croft, Thomas S.; and Haugen, Hartwick A., 4,857,563, Cl. 523-173.000.
Hauger, Josef; and Tauchert, Klaus, to Kienzle Apparate GmbH. Cartridge system for printing apparatus. 4,810,118, 3-7-89, Cl. 400-212.000.
Haugesund Mekaniske Verksted A/S: *See*—
  Olsen, Torodd E., 4,883,389, Cl. 405-204.000.
Haughland, Tor-Avid; Kleiven, Atle; and Selvaer, Ole K., to Geophysical Company of Norway A/S. Arrangement for carrying out seismic prospection of the sea bed. 4,860,264, 8-22-89, Cl. 367-17.000.
Haughton, Robert A.: *See*—
  Schoenig, Frederick C., Jr.; Walker, Edward S.; Cueman, Michael K.; Haughton, Robert A.; and Zuloaga, Jaime A., Jr., 4,857,260, Cl. 376-245.000.
Haughton, Victor M.: *See*—
  Lindemann, Peer; and Haughton, Victor M., 4,874,382, Cl. 604-195.000.
  Lindemann, Peer; and Haughton, Victor M., 4,878,906, Cl. 623-1.000.

Haugland, Richard P.: *See*—
  Fung, Steven; Woo, Sam L.; Haugland, Richard P.; Menchen, Steven M.; and Connell, Charles R., 4,855,225, Cl. 435-6.000.
Haugland, Steve E.: *See*—
  Georgis, Steven P.; Beavers, Kelly J.; and Haugland, Steve E., 4,843,495, Cl. 560-77.150.
Haugland, Tor-Avid: *See*—
  Ziolkowski, Antoni M.; Hatton, Leslie; Parkes, Gregory E.; and Haugland, Tor-Avid, 4,868,794, Cl. 367-23.000.
Haugwitz, Rudiger D.; Naratanan, Venkatachala; Zalkow, Leon H.; Deutsch, Howard M.; and Gelbaum, Leslie, to United States of America, Health and Human Services. Substituted N-methyl derivatives of mitindomide. 4,803,202, 2-7-89, Cl. 514-228.200.
Haugwitz, Rudiger D.: *See*—
  Baker, David C.; Hand, Ellis S.; Haugwitz, Rudiger D.; and Narayanan, Venkatachala L., 4,816,468, Cl. 514-344.000.
  Baker, David C.; Hand, Elli S.; Haugwitz, Rudiger D.; Narayanan, Venkatachala L.; and Rampal, Jang B., 4,845,101, Cl. 514-255.000.
Hauk, David. Assembly for storage, transportation and chilling of expressed human milk. 4,796,758. 1-10-89, Cl. 206-545.000.
Hauk, Rolf; Papst, Gero; Langner, Klaus; Nagl, Michael; Kepplinger, Werner; and Seirlehner, Leopold, to Voest-Alpine Aktiengesellschaft; and Korf Engineering GmbH. Fluidized bed arrangement for the production of molten pig iron and steel pre-products. 4,805,880, 2-21-89, Cl. 266-87.000.
Hauk, Rolf, to Korf Engineering GmbH. Process for the production of pig iron from fine ore using plasma burner. 4,806,154, 2-21-89, Cl. 75-10.190.
Hauk, Rolf; Lang, Peter; and Papst, Gero, to Korf Engineering GmbH. Melting gasifier. 4,846,449, 7-11-89, Cl. 266-172.000.
Hauk, Rolf, to Korf Engineering GmbH. Process for producing carburized sponge iron. 4,854,967, 8-8-89, Cl. 75-34.000.
Hauk, Rolf; and Papst, Gero, to Korf Engineering GmbH. Process for producing pig iron using coal degassing reactor to form reductants. 4,857,105, 8-15-89, Cl. 75-38.000.
Hauk, Rolf, to Korf Engineering GmbH. Process for removing sulphur from the waste gas of a reduction shaft furnace. 4,857,284, 8-15-89, Cl. 423-231.000.
Hauk, Rolf: *See*—
  Papst, Gero; and Hauk, Rolf, 4,851,039, Cl. 75-10.150.
  Papst, Gero; Hauk, Rolf; and Maschlanka, Walter, 4,865,626, Cl. 48-210.000.
  von Bogdandy, Ludwig; Kepplinger, Werner; Stift, Kurt; Papst, Gero; and Hauk, Rolf, 4,861,369, Cl. 75-38.000.
Hauk, Thomas D., to Hawk Industries, Inc. Compact high-torque apparatus and method for rotating pipe. 4,843,924, 7-4-89, Cl. 81-57.200.
Hauke, Dieter; and Zelle, Edgar, to Licentia Patent-Verwaltungs-GmbH. Electric motor with attached tachogenerator. 4,841,187, 6-20-89, Cl. 310-171.000.
Hauke, Gunter: *See*—
  Sattler, Gunther; and Hauke, Gunter, 4,806,238, Cl. 210-198.200.
Hauke, Wilhelm, to Georg Fischer Aktiengesellschaft. Casting mold for foundry castings. 4,887,661, 12-19-89, Cl. 164-55.100.
Haul, Robert W., to Emerson Electric Co. Differential ice sensor and method. 4,843,830, 7-4-89, Cl. 62-59.000.
Haul, Robert W.: *See*—
  Arensmeier, Jeffrey N.; and Haul, Robert W., 4,827,397, Cl. 364-186.000.
Haulin, Tord L., to Telefonaktiebolaget L M Ericsson. Apparatus for converting an analog balanced signal to a digital signal. 4,851,846, 7-25-89, Cl. 341-172.000.
Haumann, Klaus; and Kildegaard, Ejvind, to Butina I/S. Gondola for the transport of animals to be slaughtered, preferably hogs, in an anaesthesia system. 4,888,855, 12-26-89, Cl. 17-1.00A.
Haumschild, Daniel J.: *See*—
  Borgos, John A.; Bradac, Francis; Haumschild, Daniel J.; Johnson, Timothy; and Lee, Rebecca, 4,875,755, Cl. 350-96.200.
Haun, Edward C.: *See*—
  Ferk, Don L.; Schmelzer, Eugene; and Haun, Edward C., 4,885,424, Cl. 585-450.000.
Haun, Marion W., to American Magnetics Corporation. Automatic data capture for multiple form point of sale slip packs. 4,843,220, 6-27-89, Cl. 235-380.000.
Haunberger, Franz: *See*—
  Schmidhammer, Ludwig; Dummer, Gerhard; Hirschmann, Peter; Strasser, Rudolf; and Haunberger, Franz, 4,839,153, Cl. 423-488.000.
Hauni Richmond, Inc.: *See*—
  Hinzmann, Alfred, 4,836,587, Cl. 289-2.000.
Haupenthal, Rudi, to Heidelberger Druckmaschinen AG. Remotely controllable adjusting means for elastically deforming a register rail. 4,848,230, 7-18-89, Cl. 101-409.000.
Haupt, Dieter: *See*—
  Platte, Hans-Joachim; Keesen, Heinz-Werner; Plantholt, Martin; Schutze, Herbert; and Haupt, Dieter, 4,864,409, Cl. 358-222.000.
Haupt, Eberhard: *See*—
  Altmann, Dieter; and Haupt, Eberhard, 4,817,271, Cl. 29-729.000.
  Altmann, Horst-Dieter; and Haupt, Eberhard, 4,825,048, Cl. 219-528.000.
Haupt, Gunter: *See*—
  Handtmann, Albert A.; Haupt, Gunter; Gebhard, Erwin; Fischer, Franz; and Schroder, Valentin, 4,867,638, Cl. 415-172.100.
Haupt, Heinrich: *See*—
  Trabert, Ludwig; Lindner, Christian; Merten, Josef; and Haupt, Heinrich, 4,806,587, Cl. 524-504.000.
Hauptly, Paul D. Organic liquid detector. 4,855,706, 8-8-89, Cl. 338-34.000.
Hauptmann, Veit: *See*—
  Ziegler, Horst; Brendecke, Hermann; and Hauptmann, Veit, 4,848,923, Cl. 374-117.000.
Hauri, Bernhard; and Etter, Hans, to Kern & Co. AG. Optical sighting device with illuminated aiming mark. 4,877,324, 10-31-89, Cl. 356-251.000.
Hauri, Hermann, to Genossenschaft VEBO Solothurnische Eingliederungsstatte fur Behinderte. Suction device for the drainage of wounds and use of the device. 4,820,284, 4-11-89, Cl. 604-318.000.
Hauris, Jon F., to International Business Machines Corporation. Microsequencer circuit with plural microprogram instruction counters. 4,821,183, 4-11-89, Cl. 364-200.000.
Haury, Andre; Bebel, Elie; Lauraire, Michel; and Vergez, Andre, to La Telemecanique Electrique. Electromagnetic switching apparatus with interchangeable switches. 4,800,352, 1-24-89, Cl. 335-132.000.
Haury, Andre: *See*—
  Belbel, Elie; Blanchard, Christian; Haury, Andre; and Lauraire, Michel, 4,816,792, Cl. 335-14.000.
Haury, Gilbert E.; Patel, Nathalal C.; Lockard, Walter G.; Wiatrak, Thomas R.; and Curran, Neal J., to Invacare Corporation. Adjustable rear wheel mounting assembly for wheelchairs. 4,805,925, 2-21-89, Cl. 280-250.100.
Haus, Joseph: *See*—
  Ott, Bruce S.; Haus, Joseph; and Kohlhepp, Frederick F., 4,808,615, Cl. 514-89.000.
Hausberg, Hans-Heinrich: *See*—
  Bottcher, Henning; Hausberg, Hans-Heinrich; Seyfried, Christoph; and Minck, Klaus-Otto, 4,824,852, Cl. 514-290.000.
  Gottschlich, Rudolf; Bottcher, Henning; Hausberg, Hans-Heinrich; Minck, Klaus-Otto; and Seyfried, Christoph, 4,870,087, Cl. 514-336.000.
Hauschild, Remi: *See*—
  Aubry, Jean; Cassiani-Ingoni, Serge; and Hauschild, Remi, 4,861,821, Cl. 524-512.000.
Hauschildt, Herbert, deceased (by Hauschildt, Hildegard, heiress), to Licentia Patent-Verwaltungs GmbH. Switch latch. 4,825,183, 4-25-89, Cl. 335-167.000.
Hauschildt, Hildegard, heiress: *See*—
  Hauschildt, Herbert, deceased, 4,825,183, Cl. 335-167.000.
Hausdorf, Jorg; Kandler, Joachim; and Siekermann, Volker, to Carl Freudenberg, Firma. Method for cleaning apparatus for fabricating reactive multiple-component mixtures containing isocyanate. 4,799,967, 1-24-89, Cl. 134-38.000.
Hauser, Ambrose A.; Wakeman, Thomas G.; Strock, William J.; and Morris, David B., to General Electric Company. Blade carrying means. 4,863,352, 9-5-89, Cl. 416-204.00R.
Hauser, Hans, to Agri-Fab, Inc. Hydrostatic transaxle. 4,862,767, 9-5-89, Cl. 74-687.000.
Hauser, Hans P.: *See*—
  Zeltner, Urs; and Hauser, Hans P., 4,853,600, Cl. 315-241.00P.
Hauser, Henry A.: *See*—
  Green, Carl C., Jr.; Welch, John D.; Hauser, Henry A.; and Frye, Diane R., 4,862,905, Cl. 131-84.100.
  Pryor, James W.; Raker, Mark L.; Sensabaugh, Andrew J., Jr.; and Hauser, Henry A., 4,889,143, Cl. 131-331.000.
Hauser, Herbert P., to DOM-Sicherheitstechnik GmbH & Co. KG. Device for protecting motor-vehicle wheels against theft. 4,856,307, 8-15-89, Cl. 70-165.000.
Hauser, Jeffrey B.: *See*—
  Paspek, Stephen C., Jr.; Hauser, Jeffrey B.; Eppig, Christopher P.; and Stalzer, Richard B., 4,842,715, Cl. 208-13.000.
Hauser, Joachim: *See*—
  Gausrab, Klaus; Hauser, Joachim; and Mueller, Robert, 4,882,950, Cl. 74-714.000.
Hauser, John P. Comfort pad. 4,862,604. 9-5-89, Cl. 36-43.000.
Hauser, John R.: *See*—
  Diehl-Nagle, Sherra E.; and Hauser, John R., 4,805,148, Cl. 365-154.000.
Hauser, Josef: *See*—
  Bibracher, Wilhelm; and Hauser, Josef, 4,840,595, Cl. 445-28.000.
  Heynisch, Hinrich; Hauser, Josef; and Hubner, Erwin, deceased, 4,803,397, Cl. 313-337.000.
Hauser, Karl-Heinz, to Neff Gewindespindeln GmbH. Linear positioning apparatus. 4,878,390, 11-7-89, Cl. 74-89.150.
Hauser, Karl-Heinz; Heissel, Uwe; Inauen, Walter; Neff, Karl; and Ringger, Manfred, to NEFF Gewindespindeln GmbH. Linear drive system. 4,887,477, 12-19-89, Cl. 74-89.170.
Hauser-Kuhrts, Inc.: *See*—
  Day, Charles E.; and Kuhrts, Eric H., 4,824,672, Cl. 424-195.100.
  Day, Charles E.; and Kuhrts, Eric H., 4,883,788, Cl. 514-57.000.
Hauser, Ludwig; and Haessner, Winfried, to J. M. Voith GmbH. Dryer section. 4,881,327, 11-21-89, Cl. 34-114.000.
Hauser, Peter; and Radtke, Volker, to BASF Aktiengesellschaft. Finely divided transparent metal-free X-phthalocyanine. 4,814,441, 3-21-89, Cl. 540-122.000.
Hauser, Peter: *See*—
  Dust, Matthias; Neumann, Peter; Hauser, Peter; Wagenblast, Gerhard; Benthack-Thomas, Heidi; Barzynski, Helmut Schomann, Klaus D.; and Kuppelmaier, Harald, 4,830,951, Cl. 430-270.000.
  Henning, Georg; Hahn, Erwin; Hauser, Peter; and Patsch, Manfred, 4,846,892, Cl. 106-478.000.

  - Schrott, Wolfgang; Neumann, Peter; Hauser, Peter; and Wagenblast, Gerhard, 4,829,509, Cl. 369-275.000.
- Hauser, Ulrich; and Steinstrasser, Frank, to BBC Brown Boveri Aktiengesellschaft. Procedure for operating a pyrolysis process. 4,851,084, 7-25-89, Cl. 201-1.000.
- Hauserman, Inc.: *See—*
  - Ball, Douglas C., 4,831,791, Cl. 52-36.000.
  - Ball, Douglas C.; Sherbourne, George E.; and Gioitta, Jeffrey M., 4,863,124, Cl. 108-28.000.
  - McAteer, John E., 4,815,162, Cl. 16-244.000.
- Hausermann, Willy. Transmission control. 4,794,808, 1-3-89, Cl. 74-335.000.
- Haushalter, Frederick W.; and Robinson, John S. Noise absorbing housing for a blender. 4,883,144, 11-28-89, Cl. 181-198.000.
- Haushofer, Martin: *See—*
  - Wild, Georg; Kohler, Rembert; Weibelzahl, Manfred; Haushofer, Martin; and Messner, Johann, 4,837,671, Cl. 363-35.000.
- Hauske, James R., to Pfizer Inc. C.12 modified erythromycin A derivatives. 4,857,641, 8-15-89, Cl. 536-7.300.
- Hauske, James R.: *See—*
  - Cullen, Walter P.; Hauske, James R.; Maeda, Hiroshi; and Tone, Junsuke, 4,835,141, Cl. 514-30.000.
- Hauslaib, Wolfgang: *See—*
  - Gomoll, Guenter; and Hauslaib, Wolfgang, 4,834,277, Cl. 226-101.000.
  - Gomoll, Gunter; and Hauslaib, Wolfgang, 4,883,445, Cl. 474-113.000.
  - Gomoll, Gunter; and Hauslaib, Wolfgang, 4,889,270, Cl. 226-181.000.
- Hauslein, Reinhard, to Melitta-Werke Bentz & Sohn. Coffee or tea maker. 4,815,366, 3-28-89, Cl. 99-283.000.
- Hauslein, Reinhard, to Melitta-Werke Bentz & Sohn. Continuous flow heater assembly for a beverage maker. 4,825,042, 4-25-89, Cl. 219-283.000.
- Hausler, Dietrich; and Manschwetus, Helmut, to Thyssen Industrie AG. Cap to cover all sides of the end of a supporting body of a hammer mill rotor. 4,830,294, 5-16-89, Cl. 241-194.000.
- Hausler, Jeffery P.; Baria, Paul C.; Majek, Alfred; and Moore, Jeffrey B., to Letco Management Company, Inc. Power controller for heat tracing cable which responds to ambient temperature. 4,859,834, 8-22-89, Cl. 219-497.000.
- Hausler, Michael, to Asea Brown Boveri AG. Process for the fault monitoring of an electric valve. 4,884,025, 11-28-89, Cl. 324-158.0SC.
- Hausman, Kenneth A.; and Merrick, Edwin B., to Puritan-Bennett Corporation. Pulse oximeter. 4,883,353, 11-28-89, Cl. 356-41.000.
- Hausmann, George J.; and Patton, Donald E., Jr., to Goodyear Tire & Rubber Company, The. Bumper rub strip assembly. 4,854,258, 8-8-89, Cl. 114-219.000.
- Hausselt, Juergen; Schittny, Stephan-U.; and Kaufmann, Dieter, to Demetron Gesellschaft Fuer Elektronik-Werkstoffe m.b.H. Method for making targets. 4,803,046, 2-7-89, Cl. 420-83.000.
- Hausselt, Juergen: *See—*
  - Boehm, Wolfgang; Hausselt, Juergen; Weise, Wolfgang; and Malikowsik, Willi, 4,797,328, Cl. 428-621.000.
- Haussermann, Gerd, to Daimler-Benz Aktiengesellschaft. Hydraulically damping rubber bearing engine mount. 4,886,251, 12-12-89, Cl. 267-140.100.
- Haussermann, Gerd, to Daimler-Benz Aktiengesellschaft. Hydraulically damping spring device. 4,886,252, 12-12-89, Cl. 267-140.100.
- Haussler, Adolf: *See—*
  - Voigts, Eckhard; Achilles, Hans H.; Haussler, Adolf; and Peschel, Eberhard, 4,862,973, Cl. 175-52.000.
- Haussling, Reinhold. Sound absorbing laminate. 4,828,910, 5-9-89, Cl. 428-284.000.
- Hausted, Inc.: *See—*
  - Failor, Raymond A.; Hayton, Eugene; and Reuter, Mark, 4,858,260, Cl. 5-67.000.
  - Failor, Raymond A.; Peters, Gerald; and Reuter, Mark, 4,882,797, Cl. 5-66.000.
- Hauswirth, Andreas: *See—*
  - Breuer, Edgar; Costello, Philip; Gondek, Konrad; Hauswirth, Andreas; and Schmid, Richard, 4,850,761, Cl. 409-132.000.
- Hausz, Alfred F.: *See—*
  - Schlag, Johannes; Koehnlein, Ernst; Bauer, Peter; Koessler, Ludwig; and Hausz, Alfred F., 4,876,147, Cl. 428-379.000.
- Hautau, Charles F.; Schmidt, Michael W.; and Fleischman, David L. Robot compliance apparatus. 4,801,240, 1-31-89, Cl. 414-735.000.
- Hautemont, Jean-Claude, to Erca Holding. Method and device for manufacturing and positioning upon a container an undercut thermoplastic lid, and container provided with such a lid. 4,811,550, 3-14-89, Cl. 53-478.000.
- Hautemont, Jean-Claude, to Erca Holding. Process for regulating the heating of a thermoplastic band used in a thermoforming station. 4,814,123, 3-21-89, Cl. 264-40.600.
- Hautemont, Jean-Claude, to Societe a Responsabilite Limitee: Erca Holding. Installation for the simultaneous thermoforming of at least one row of containers in thermoplastic material, each container being provided with a decorative banderole. 4,840,555, 6-20-89, Cl. 425-500.000.
- Hautemont, Jean-Claude, to Erca Holding. Device for producing and positioning a label on a thermoformed container. 4,854,850, 8-8-89, Cl. 425-503.000.
- Hautier, Gabriel, to Coatex, S.A. Process for grinding in aqueous suspension of coarse mineral intended for pigment applications. 4,845,191, 7-4-89, Cl. 528-489.000.
- Hautmann, Horst; Pregler, Bernd; and Schimanski, Georg, to Globol-Werk GmbH. Evaporation apparatus for active ingredients such as pyrethrum incorporated into solid carrier materials. 4,844,050, 7-4-89, Cl. 126-43.000.
- Hauville, Francois P. Laboratory table. 4,838,175, 6-13-89, Cl. 108-25.000.
- Hauze, Dennis R., to BioMedical Laser Industries. Sterilization, storage, and presentation container for surgical instruments. 4,798,292, 1-17-89, Cl. 206-439.000.
- Hauze, Dennis R., to Tre Med, Inc. Pediatric suction system and method with filter. 4,813,931, 3-21-89, Cl. 604-54.000.
- Hauzer Holding B.V.: *See—*
  - Veltrop, Hans; Wesemeyer, Harald; and Buil, Boudewijn J. A. M., 4,849,088, Cl. 204-298.000.
- Havanas, William H.: *See—*
  - Cooper, Bret A.; Havanas, William H.; Lanning, Thomas R.; and Martinka, Mark A., 4,866,763, Cl. 379-221.000.
- Havard, Janet. Educational game for teaching phonetics. 4,826,437, 5-2-89, Cl. 434-167.000.
- Havas, George, to Ajax Magnethermic Corporation. Control circuit for switching power to an induction furnace. 4,811,356, 3-7-89, Cl. 373-148.000.
- Havas, George: *See—*
  - Sommer, Richard A.; Havas, George; Tama, Mario; and Allen, Clayton H., 4,807,559, Cl. 118-63.000.
- Havekotte, Margaret J.: *See—*
  - Wolf, Peter A.; and Havekotte, Margaret J., 4,835,002, Cl. 426-590.000.
- Havel, Christophe; and Mazziotto, Gerald. Transmission power control device in a radio communication transmitting/receiving station. 4,811,421, 3-7-89, Cl. 455-69.000.
- Havel, Dale A.: *See—*
  - Jackson, David, III; and Havel, Dale A., 4,813,064, Cl. 378-197.000.
- Havel, Karel. Multicolor comparator of digital signals. 4,797,651, 1-10-89, Cl. 340-146.200.
- Havel, Karel. Variable color complementary display device. 4,804,890, 2-14-89, Cl. 315-169.300.
- Havel, Karel. Multicolor optical device. 4,810,937, 3-7-89, Cl. 315-152.000.
- Havel, Karel. Variable color analog voltmeter. 4,812,744, 3-14-89, Cl. 324-115.000.
- Havel, Karel. Variable color display typewriter. 4,824,269, 4-25-89, Cl. 400-704.000.
- Havel, Karel. Digital voltmeter with variable color background. 4,831,326, 5-16-89, Cl. 324-115.000.
- Havel, Karel. Continuously variable color display device. 4,845,481, 7-4-89, Cl. 340-762.000.
- Havel, Karel. Display telephone with transducer. 4,845,745, 7-4-89, Cl. 379-354.000.
- Havel, Karel. Variable color comparison oscilloscope. 4,868,496, 9-19-89, Cl. 324-115.000.
- Havemann, Kim: *See—*
  - Hawener, Juergen; Havemann, Kim; and Sivers, Rolf V., 4,872,624, Cl. 244-54.000.
- Havemann, Robert H., to Texas Instruments Incorporated. Bicmos process for forming shallow npn emitters and mosfet source/drains. 4,816,423, 3-28-89, Cl. 437-31.000.
- Havemann, Robert H.; and Eklund, Robert H., to Texas Instruments Incorporated. Schottky barrier diode and method. 4,835,580, 5-30-89, Cl. 357-15.000.
- Havemann, Robert H., to Texas Instruments Incorporated. Bipolar process for forming shallow NPN emitters. 4,877,748, 10-31-89, Cl. 437-31.000.
- Haven Energy, Ltd.: *See—*
  - Flanders, Staunton O.; and Ness, William A., 4,842,044, Cl. 165-12.000.
- Havenhill, Max L.; Sharp, James B.; and Nichter, Larry W., to HNS Products, Inc. Vehicle theft-prevention system. 4,834,207, 5-30-89, Cl. 180-287.000.
- Havens, Marvin R., to W. R. Grace & Co. Agent for imparting antistatic characteristics to a thermoplastic polymer and a thermoplastic polymer composition containing the agent. 4,800,115, 1-24-89, Cl. 423-178.000.
- Havens, Marvin R.; and Wilkie, Robert R., to W. R. Grace & Co. Antistatic/conductive container. 4,848,566, 7-18-89, Cl. 206-328.000.
- Havens, Marvin R.; and Lovin, Joseph R., to W. R. Grace & Co.-Conn. Agent for imparting antistatic characteristics to a thermoplastic polymer and a thermoplastic polymer composition containing the agent. 4,882,894, 11-28-89, Cl. 53-461.000.
- Havens, Rex. Shopping cart retrieval system. 4,868,544, 9-19-89, Cl. 340-572.000.
- Havens, Stephen J.: *See—*
  - Hergenrother, Paul M.; and Havens, Stephen J., 4,820,791, Cl. 528-125.000.
  - Hergenrother, Paul M.; Connell, John W.; and Havens, Stephen J., 4,889,912, Cl. 528-125.000.
- Havens, Terry L.; and Park, Robert E., to Phoenix Park Systems. Pump control system for instantly reversing the drive motor. 4,808,078, 2-28-89, Cl. 417-38.000.
- Havenstein, Bennett L.; Picerno, Raysna; Brittain, Harry G.; and Nestor, James R., to C. R. Bard, Inc. Luminescent oxygen sensor based on a lanthanide complex. 4,861,727, 8-29-89, Cl. 436-136.000.
- Haver & Boecker: *See—*
  - Mittelbach, Helmut, 4,873,816, Cl. 53-573.000.
- Havera, Herbert J.; Humphreys, John D.; and Jazdzewski, Joan M., to Miles Inc. Stabilization of microbial rennet. 4,853,329, 8-1-89, Cl. 435-183.000.

- Haverdink, Virgil D.: *See—*
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- Haverkamp, Johan: *See—*
  - de Jong, Hendrik E.; Swarthoff, Ton; and Haverkamp, Johan, 4,824,599, Cl. 252-174.120.
- Haverstick, Jerry E., to General Motors Corporation. Method for making flakes of RE-Fe-B type magnetically aligned material. 4,867,809, 9-19-89, Cl. 148-101.000.
- Havins, Felton H. Boat speed and direction control system. 4,854,902, 8-8-89, Cl. 440-7.000.
- Havira, R. Mark; and Seeman, Bronislaw, to Schlumberger Technology Corporation. Acoustic apparatus and method for detecting borehole wall discontinuities such as vertical fractures. 4,885,723, 12-5-89, Cl. 367-35.000.
- Havlovitz, Paul M., to Republic Tool & Manufacturing Corp. Utility card with foldable handle. 4,889,360, 12-26-89, Cl. 280-655.100.
- Havranek, Robert E.: *See—*
  - Howson, David C.; Havranek, Robert E.; Popken, John A.; and Stone, Frederick L., 4,834,152, Cl. 141-286.000.
- Havre, Pamela A.: *See—*
  - Hammond, Graeme L.: and Havre, Pamela A., 4,868,286, Cl. 530-350.000.
- Havstad, Peter H.: *See—*
  - Wade, Robert W.; Rao, Vemulapalli D. N.; and Havstad, Peter H., 4,846,051, Cl. 92-127.000.
- Hawco Manufacturing Co.: *See—*
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- Hawe, Malcolm: *See—*
  - Farrar, David; Flesher, Peter; Skinner, Malcolm; Clarke, John; Marshall, David; and Hawe, Malcolm, 4,880,858, Cl. 524-60.000.
- Hawe-Neos Dental Dr. H.v. Weissenfluh AG: *See—*
  - Von Weissenfluh, Beat, 4,889,489, Cl. 433-134.000.
  - von Weissenfluh, Hans, 4,824,365, Cl. 433-40.000.
- Hawelka, Walter; and Staudinger, Hermann, to Konrad Rosenbauer KG. Service vehicles. 4,830,421, 5-16-89, Cl. 296-24.100.
- Hawener, Juergen; Havemann, Kim; and Sivers, Rolf V., to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Drive arrangement for a vehicle having a propeller. 4,872,624, 10-10-89, Cl. 244-54.000.
- Hawener, Juergen: *See—*
  - Gietzen, Staas; Weiner, Hans; Hain, Klaus; Hofbauer, August; and Hawener, Juergen, 4,875,643, Cl. 244-53.00A.
- Hawera Probst GmbH & Co.: *See—*
  - Moser, Bernhard; Peetz, Wolfang; and Hugger, Hermann, 4,883,135, Cl. 175-323.000.
  - Moser, Bernhard, 4,889,200, Cl. 175-394.000.
  - Peetz, Wolfgang; and Moser, Bernhard, 4,852,670, Cl. 166-323.000.
- Hawes, Adrian J.: *See—*
  - Gover, David J.; and Hawes, Adrian J., 4,833,462, Cl. 340-709.000.
- Hawes, Anthony D. M.: *See—*
  - Vinton, Melvin; and Hawes, Anthony D. M., 4,803,868, Cl. 73-49.300.
- Hawk Forest Enterprises Ltd.: *See—*
  - Hawkenson, Bruce R., 4,805,389, Cl. 56-295.000.
- Hawk Industries, Inc.: *See—*
  - Hauk, Thomas D., 4,843,924, Cl. 81-57.200.
- Hawke, David H., to Beckman Research Institute, City of Hope. Method for sequencing of peptides by carboxyl terminus degradation. 4,837,165, 6-6-89, Cl. 436-89.000.
- Hawkenson, Bruce R., to Hawk Forest Enterprises Ltd. Rotary debris remover. 4,805,389, 2-21-89, Cl. 56-295.000.
- Hawker, Fred D.; Pietryga, Victor E.; and Byrd, Robert W., to DeSoto, Inc. Masking compositions for chemical milling and method for applying the same. 4,806,390, 2-21-89, Cl. 427-156.000.
- Hawker, Michael J., to Clayton Dewandre Co. Ltd. Solenoid operated hydraulic control valve. 4,875,742, 10-24-89, Cl. 303-119.000.
- Hawker, Michael J.: *See—*
  - Keegan, Colm M. P.; Hawker, Michael J.; and Goodwin, Peter J., 4,866,938, Cl. 60-588.000.
- Hawkesworth, Michael R.: *See—*
  - Stewart, Peter A. E.; and Hawkesworth, Michael R., 4,885,464, Cl. 250-308.000.
- Hawkins, Albert P.; Boyle, Alan; and Stone, Alan M., to Argyle Diamond Mines Pty. Limited. Particle distributing and sorting method and apparatus. 4,858,771, 8-22-89, Cl. 209-552.000.
- Hawkins, Christopher M., to General Electric Company. Functionalized thermoplastic polymer having dicyclopentadienyl groups in polymer chain. 4,841,00[illegible], 6-20-89, Cl. 525-468.000.
- Hawkins, Christopher M., to General Electric Company. Thermoplastic molding resins having dicyclopentadienyl derivative radical in polymer backbone. 4,851,498, 7-25-89, Cl. 528-190.000.
- Hawkins, Christopher M.; and Bostick, Edgar E., to General Electric Company. Cyclopentadiene-containing cyclic polycarbonate oligomer. 4,855,380, 8-8-89, Cl. 528-370.000.
- Hawkins, Gary D.; and Commisso, Louis. Door security system. 4,809,320, 2-28-89, Cl. 379-167.000.
- Hawkins, Gene R., to General Motors Corporation. Vehicle wheel suspension. 4,842,295, 6-27-89, Cl. 280-661.000.
- Hawkins, Gene R.: *See—*
  - Finn, Bernard J.; and Hawkins, Gene R., 4,883,288, Cl. 280-672.000.
- Hawkins, Geoffrey R.: *See—*
  - Smith, Walter P.; Hawkins, Geoffrey R.; and Yeung, David, 4,851,215, Cl. 424-72.000.
- Hawkins, George W., to Motorola, Inc. Radial mounting for stacked wafer modules with cooling. 4,872,088, 10-3-89, Cl. 361-384.000.
- Hawkins, George W.: *See—*
  - Lesk, Israel A.; Thomas, Ronald E.; and Hawkins, George W., 4,832,996, Cl. 428-76.000.
- Hawkins, Gilbert: *See—*
  - Sheu, Yea-Dean; and Hawkins, Gilbert, 4,840,918, Cl. 437-53.000.
- Hawkins, H. Gene, to Sunbeam Plastics Corporation. Closure with enhanced sealing. 4,844,273, 7-4-89, Cl. 215-329.000.
- Hawkins, Herman H., to National-Oilwell. Fail-safe gate valve with separated actuators. 4,809,733, 3-7-89, Cl. 137-236.100.
- Hawkins, Irvin F., Jr. Needle guide assembly. 4,874,376, 10-17-89, Cl. 604-165.000.
- Hawkins, Irwin F.; Rafferty, George A., Jr.; Hawkins, Mark C.; and Hawkins, Jeffrey S., to National Standard Company. Localization needle assembly. 4,799,495, 1-24-89, Cl. 128-754.000.
- Hawkins, J. F. Motorized carrying cart and method for transporting. 4,807,716, 2-28-89, Cl. 180-65.100.
- Hawkins, James A.: *See—*
  - Heitz, James R.; and Hawkins, James A., 4,846,788, Cl. 604-20.000.
  - Heitz, James R.; and Hawkins, James A., 4,846,789, Cl. 604-49.000.
- Hawkins, James C.: *See—*
  - Rice, Donald D.; Hawkins, James C.; and Hall, Stanley D., 4,889,158, Cl. 137-484.400.
- Hawkins, Jeffrey S.: *See—*
  - Hawkins, Irwin F.; Rafferty, George A., Jr.; Hawkins, Mark C.; and Hawkins, Jeffrey S., 4,799,495, Cl. 128-754.000.
- Hawkins, Jeffrey T.: *See—*
  - Stevens, James F., Jr.; and Hawkins, Jeffrey T., 4,800,957, Cl. 166-268.000.
- Hawkins, Junior F. Electronic paper towel dispenser. 4,796,825, 1-10-89, Cl. 242-55.530.
- Hawkins, Junior F. Sanitary hand dryer. 4,876,435, 10-24-89, Cl. 219-364.000.
- Hawkins, Keith S.: *See—*
  - Kenworthy, Gordon; Mitchell, Colin H.; and Hawkins, Keith S., 4,879,089, Cl. 376-399.000.
- Hawkins, Mark C.: *See—*
  - Hawkins, Irwin F.; Rafferty, George A., Jr.; Hawkins, Mark C.; and Hawkins, Jeffrey S., 4,799,495, Cl. 128-754.000.
- Hawkins, Mark R.: *See—*
  - Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goodwin, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoer, Wiebe B., 4,828,224, Cl. 251-298.000.
  - Goodwin, Dennis L.; Hawkins, Mark R.; Johnson, Wayne L.; Olsen, Aage; and Robinson, McDonald, 4,874,464, Cl. 156-646.000.
- Hawkins, Marty M.: *See—*
  - Schober, Scott D.; and Hawkins, Marty M., 4,865,096, Cl. 383-107.000.
- Hawkins, Paul; and Dachtler, John D., to En-tout-cas plc. Substitute ground surface material. 4,852,870, 8-1-89, Cl. 272-3.000.
- Hawkins, Phillip J.; Kasner, William H.; Toth, Vincent A.; and Stroster, Mariann C., to Westinghouse Electric Corp. Laser beam alignment and transport system. 4,855,564, 8-8-89, Cl. 219-121.780.
- Hawkins, Phillip J.: *See—*
  - Kasner, William H.; Toth, Vincent A.; and Hawkins, Phillip J., 4,827,098, Cl. 219-121.630.
- Hawkins, Ralph G., to General Electric Company. Cooktop grill with improved reflector pan. 4,862,795, 9-5-89, Cl. 99-446.000.
- Hawkins, Ralph T., II. Laser light source with reduced sensitivity to optical feedback effects. 4,890,290, 12-26-89, Cl. 372-33.000.
- Hawkins, Robert E.; and Burke, Michael D., to Wildlife Materials, Inc. Patient tracking system. 4,814,751, 3-21-89, Cl. 340-573.000.
- Hawkins, Rodney: *See—*
  - Welter, Curtis; Coto, Guillermo; Patrikios, Michael; and Hawkins, Rodney, 4,867,370, Cl. 228-110.000.
- Hawkins, Rodney H.: *See—*
  - Welter, Curtis; Coto, Guillermo; Patrikios, Michael; and Hawkins, Rodney H., 4,799,614, Cl. 228-1.100.
- Hawkins, Roland L., to Hoechst Fibers Industries. Staple fiber, finish therefor and process for use of same. 4,857,148, 8-15-89, Cl. 162-157.200.
- Hawkins, Roland L.: *See—*
  - Allou, Anthony L., Jr.; and Hawkins, Roland L., 4,816,336, Cl. 428-361.000.
- Hawkins, Ross H.; Laing, David; and Bedington, Bryan C., to Bryna Pty. Ltd. Photographic apparatus for making simultaneous exposures. 4,841,359, 6-20-89, Cl. 358-76.000.
- Hawkins, Steven E.: *See—*
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- Hawkins, Warren E.: *See—*
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- Hawkins, William E., to Du Pont de Nemours, E. I., and Company. Film winding apparatus. 4,830,302, 5-16-89, Cl. 242-65.000.
- Hawkins, William E., to Du Pont de Nemours, E. I., and Company. Film winding apparatus and method. 4,832,274, 5-23-89, Cl. 242-65.000.
- Hawkins, William G.; Drake, Donald J.; and Campanelli, Michael [illegible], to Xerox Corporation. Method of fabricating large area semiconductor arrays. 4,822,755, 4-18-89, Cl. 437-227.000.
- Hawkins, William G. Fabrication of silicon structures by single side, multiple step etching process. 4,863,560, 9-5-89, Cl. 156-644.000.
- Hawkins, William G.; and Pond, Stephen F., to Xerox Corporation. Thermal ink jet printer having printhead transducers with multilevel interconnections. 4,887,098, 12-12-89, Cl. 346-140.00R.

Hawkins, William G.: *See—*

Drake, Donald J.; and Hawkins, William G., 4,829,324, Cl. 346-140.00R.

O'Neill, James F.; Drake, Donald J.; and Hawkins, William G., 4,875,968, Cl. 156-633.000.

Hawkrige, Alfred E. Storage device. 4,869,379, 9-26-89, Cl. 211-100.000.

Hawkrigg, William G. Sheet anchoring device. 4,794,660, 1-3-89, Cl. 5-498.000.

Hawks, Mark W.: *See—*

Fluharty, William J.; Dykstra, Ronald A.; and Hawks, Mark W., 4,824,159, Cl. 296-37.700.

Hawks, Timothy: *See—*

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Hawkswell, Victor T., to Emhart Industries, Inc. Suction pick-up apparatus for electrical or electronic components. 4,852,247, 8-1-89, Cl. 29-740.000.

Hawley, Clyde W.: *See—*

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Hawley, Dan W.: *See—*

Brewer, Terry L.; Hawley, Dan W.; Lamb, James E.; Latham, William J.; and Stichnote, Lynn K., 4,876,165, Cl. 430-7.000.

Hawley, Frank D.; Rogers, Russell L.; Allread, Alan R.; and Fournier, Paul J. E., to Aeroquip Corporation. Pressure fuel nozzle. 4,794,960, 1-3-89, Cl. 141-384.000

Hawley, Gil R.: *See—*

Inkrott, Kenneth E.; and Hawley, Gil R., 4,853,444, Cl. 526-119.000.

Hawley, Michael E.: *See—*

Cozzutto, Lyndon L.; Henry, James D.; and Hawley, Michael E., 4,815,255, Cl. 53-459.000.

Hawman, Eric G., to Siemens Gammasonics, Inc. Single-focus collimator and scintillation camera system and method for using it. 4,849,638, 7-18-89, Cl. 250-363.020.

Hawn, Douglas L. Snowmobile tow bar apparatus. 4,856,799, 8-15-89, Cl. 280-24.000.

Hawn, Gary G.: *See—*

Goldstein, Joel E.; Iacoviello, John G.; Hawn, Gary G.; and Cook, Gerald R., 4,844,970, Cl. 428-198.000.

Haworth, Inc.: *See—*

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Chatterson, Louis M.; and Cutean, Bruce, 4,882,885, Cl. 52-221.000.

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Mrotz, Walter C., III, 4,818,019 Cl. 297-303.000.

Wilson, Harold R.; Haworth, Richard G.; and Gingrich, Bryan R., 4,841,699, Cl. 52-221.000.

Wilson, Harold R.; Lim, Hoei B.; Gingrich, Bryan R.; and Kitchen, Michael R., 4,862,659, Cl. 52-221.000.

Haworth, Richard G.: *See—*

Wilson, Harold R.; Haworth, Richard G.; and Gingrich, Bryan R., 4,841,699, Cl. 52-221.000.

Haworth, Roy; and Russell, Michael F., to Lucas Industries Public Limited Company. Sensing device. 4,825,689, 5-2-89, Cl. 73-116.000.

Hawrylo, Frank Z., to General Electric Company. Method of mounting semiconductor lasers providing improved lasing spot alignment. 4,832,251, 5-23-89, Cl. 228-105.000.

Hawrylo, Frank Z.: *See—*

Alphonse, Gerard A.; Hawrylo, Frank Z.; and Harvey, Maria, 4,821,276, Cl. 372-45.000.

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Hawryluk, Andrew M.: *See—*

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Haws, Gerald W.: *See—*

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Haws, Spencer K., to Alternative Energy Resources, Inc. Automatic hot water recovery apparatus. 4,798,224, 1-17-89, Cl. 137-337.000.

Haws, Spencer K. Expander for thin walled metal pipe. 4,862,724, 9-5-89, Cl. 72-392.000.

Hawthorn, Pliny S.; and Sobottke, Mark D., to Spectra-Physics, Inc. Low cost/power visible light solid-state laser. 4,884,281, 11-28-89, Cl. 372-75.000.

Hawthorne, Marion F., to Immunomedics, Inc. Antibody conjugates. 4,824,659, 4-25-89, Cl. 424-1.100.

Hawthorne, Mark A. Gravity filter system aquarium. 4,807,565, 2-28-89, Cl. 119-5.000.

Hax, Wolfgang: *See—*

Achterwinter, Norbert; and Hax, Wolfgang, 4,886,219, Cl. 242-58.600.

Hay, Bruce A., to Pfizer Inc. Superior catalysts for preparation of 3-amino-2,2,4,4-tetramethylthietane via the Leuckart reaction. 4,851,548, 7-25-89, Cl. 549-88.000.

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Hay, Eric; and Nordstrom, Anders, to NH Produkter Handelsbolag. Game having magnetically operable pieces. 4,834,371, 5-30-89, Cl. 273-85.00B.

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Hay, George H.; and Bleke, Jeffrey P., to Infrared Waste Technology, Inc. Mobile hazardous waste treatment system. 4,875,420, 10-24-89, Cl. 110-215.000.

Hay, James V.; Wexler, Barry A.; and Zimmerman, Donna F., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,822,403, 4-18-89, Cl. 71-90.000.

Hay, James V.; Wexler, Barry A.; and Zimmerman, Donna F., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,867,783, 9-19-89, Cl. 71-92.000.

Hay-Kaufman, Martha L.; Becker, Rosette; and Danisch, Robert, to Monoclonal Antibodies, Inc. Membrane assay using focused sample application. 4,818,677, 4-4-89, Cl. 435-4.000.

Hay, Leon, to L'air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for treating a gaseous mixture by adsorption. 4,840,647, 6-20-89, Cl. 55-26.000.

Hay, Noah D., to Cooper Power Systems, Inc. Transformer core clamping structure. 4,839,622, 6-13-89, Cl. 336-92.000.

Hayabuchi, Itsunari: *See—*

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Hayabuchi, Masahiro; Tsukamoto, Kazumasa; Takahashi, Tokuyuki; Kubo, Seitoku; and Kuramochi, Koujiro, to Aisin-Warner Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Hydraulic torque converter. 4,866,935, 9-19-89, Cl. 60-361.000.

Hayafuchi, Hideki; Moronaga, Yoshiharu; and Nakano, Kiyotaka, to Nippon Rubber Co., Ltd. Composite rubber sheet material and sports shoe employing the same. 4,858,339, 8-22-89, Cl. 36-45.000.

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Hayaishi, Osamu; Ueno, Ryuji; and Kuno, Sachiko, to Research Development Corporation of Japan; and Ueno Seiyaku Kabushiki Kaisha. Prostaglandin biosynthesis inhibitors. 4,880,742, 11-14-89, Cl. 435-238.000.

Hayaishi, Osamu: *See—*

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Narumiya, Shuh; Hayaishi, Osamu; Kimura, Yoshiharu; and Tsuboshima, Masami, 4,812,457, Cl. 514-226.200.

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Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,851,623, Cl. 200-314.000.

Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,873,402, Cl. 200-283.000.

Hayakawa, Fujio: *See—*

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Hayakawa, Futomi; and Onoda, Kazuo, to Hy-Bec Corporation. Concentrated radiant energy heat source unit. 4,812,620, 3-14-89, Cl. 219-347.000.

Hayakawa, Hatsuo; and Honma, Mikio, to Ohi Seisakusho Co., Ltd. Door lock device for automotive vehicle. 4,838,588, 6-13-89, Cl. 292-216.000.

Hayakawa, Hideki: *See—*

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Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Hayakawa, Hidenori; and Yagi, Shigeki, 4,836,844, Cl. 71-90.000.

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Hayakawa, Isao; Atarashi, Shohgo; Yokohama, Shuichi; and Imamura, Masazumi, to Daiichi Seiyaku Co., Ltd. Quinoline-carboxylic acid derivatives. 4,871,852, 10-3-89, Cl. 544-363.000.

Hayakawa, Isse, to NGK Insulators, Ltd. Internal combustion engine piston with threaded ceramic piston head. 4,887,518, 12-19-89, Cl. 92-212.000.

Hayakawa, Issei, to NGK Insulators, Ltd. Method of manufacturing dense cordierite. 4,810,681, 3-7-89, Cl. 501-119.000.

Hayakawa, Issei; and Ukai, Noriyuki, to NGK Insulators, LTD. Method of producing homogeneous silicon nitride sintered bodies. 4,871,697, 10-3-89, Cl. 501-97.000.

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Hayakawa, Kimiaki; Ueda, Noriyoshi; and Hiroi, Masakazu, to Canon Kabushiki Kaisha. Automatic sheet supplying device. 4,850,581, 7-25-89, Cl. 271-10.000.

Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Takagi, Osamu, to Brother Kogyo Kabushiki Kaisha. Thermal fixing device for use in recording apparatus. 4,866,473, 9-12-89, Cl. 355-27.000.

Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Takagi, Osamu, to Brother Kogyo Kabushiki Kaisha. Image recording apparatus. 4,870,451, 9-26-89, Cl. 355-27.000.

Hayakawa, Kiyoharu; and Tomizawa, Takashi, to Brother Kogyo Kabushiki Kaisha. Pressure developing device in image recording apparatus. 4,878,083, 10-31-89, Cl. 355-27.000.

Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Tagaki, Osamu, to Brother Kogyo Kabushiki Kaisha. Method and device for feeding sheet in image recording apparatus. 4,878,084, 10-31-89, Cl. 355-27.000.

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Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, 4,864,356, Cl. 355-30.000.

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Hayakawa, Masatoshi; Nagaki, Takehiro; Aso, Koichi; and Yamanoi, Hiroshi, to Sony Corporation. Device for producing a high frequency modulation magnetic field used in magneto-optical recording. 4,796,241, 1-3-89, Cl. 369-13.000.

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Hayakawa, Mitsuaki; Tokoro, Hiroyoshi; and Kawate, Kiyoo, to Hitachi Koki Co., Ltd. Cleaner for toner fixing device. 4,821,077, 4-11-89, Cl. 355-3.0FU.

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Hayakawa, Motomu; and Yoshino, Masahito, to Seiko Epson Corporation. Charging circuit for an analog electronic timepiece. 4,882,717, 11-21-89, Cl. 368-64.000.

Hayakawa, Motomu: *See—*

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Hayakawa, Naoji; Takenouchi, Masanori; Nakamura, Kenji; Kan, Fumitaka; Kozato, Yasuo; and Hakamada, Isao, to Canon Kabushiki Kaisha. Charging device. 4,858,062, 8-15-89, Cl. 361-225.000.

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Hayakawa, Shigeru; Shiraishi, Daiichi; and Murakami, Hisakazu, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Door lock for automotive vehicles. 4,854,617, 8-8-89, Cl. 292-216.000.

Hayakawa, Shigeyuki; Isobe, Mitsuo; and Ohtani, Takayuki, to Kabushiki Kaisha Toshiba. Semiconductor memory device. 4,882,708, 11-21-89, Cl. 365-189.040.

Hayakawa, Shingo, to Canon Kabushiki Kaisha. Photometric device for pseudo format camera. 4,855,780, 8-8-89, Cl. 354-432.000.

Hayakawa, Shingo; and Kiyohara, Shuichi, to Canon Kabushiki Kaisha. Photometric device. 4,870,443, 9-26-89, Cl. 354-432.000.

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Hayakawa, Tadashi; Shiinoki, Kazuaki; Mitsuhashi, Sinji; and Naya, Kotaro, to Hitachi, Ltd. Vacuum evacuation system. 4,797,068, 1-10-89, Cl. 417-201.000.

Hayakawa, Takashi; Nojima, Hideo; Kojima, Yoshimi; Narikawa, Shiro; Matsuyama, Toshiro; Imada, Eiji; and Ehara, Shaw, to Sharp Kabushiki Kaisha. Photoreceptor for electrophotography with a-Si layers having a gradient concentration of doped atoms and sandwiching the photoconductive layer therebetween. 4,853,309, 8-1-89, Cl. 430-65.000.

Hayakawa, Tatsuo, to NEC Corporation. Switching circuit of amplifier output. 4,808,943, 2-28-89, Cl. 330-51.000.

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Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor device. 4,806,994, 2-21-89, Cl. 357-4.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Method for the production of semiconductor devices. 4,824,518, 4-25-89, Cl. 156-613.000.

Hayakawa, Toshiro; Suyama, Takahiro; Kondo, Masafumi; Takahashi, Kohsei; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor laser device having a graded index waveguide. 4,841,533, 6-20-89, Cl. 372-45.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, to Sharp Kabushiki Kaisha. Semiconductor laser device having optical guilding layers of unequal resistance. 4,845,724, 7-4-89, Cl. 372-45.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, to Sharp Kabushiki Kaisha. Semiconductor laser device. 4,852,111, 7-25-89, Cl. 372-46.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Quantum well semiconductor laser device. 4,860,297, 8-22-89, Cl. 372-45.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, to Sharp Kabushiki Kaisha. Deterioration-resistant superlattice semiconductor laser device. 4,887,274, 12-12-89, Cl. 372-45.000.

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Hayakawa, Yoichi; and Ito, Yasunobu, to Aisin Warner Kabushiki Kaisha. Hydraulic control system for four-wheel drive torque tranfer mechanism for vehicle. 4,823,648, 4-25-89, Cl. 74-869.000.

Hayakawa, Yoichi; Ito, Yasunobu; and Sakai, Takahiro, to Aisin Warner Kabushiki Kaisha. Hydraulic control system for four-wheel drive torque transfer mechanism for vehicle. 4,827,807, 5-9-89, Cl. 74-869.000.

- Hayakawa, Yoichi: *See—*
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  - Takeda, Keiji; and Hayakawa, Yoshihide, 4,859,568, Cl. 430-269.000.
- Hayakawa, Yoshio: *See—*
  - Ikegami, Yoshiki; Hayakawa, Yoshio; and Sato, Yasuaki, 4,835,735, Cl. 364-900.000.
- Hayakawa, Youichi: *See—*
  - Ando, Masahiko; Hayakawa, Youichi; Nishida, Masaaki; and Yamada, Toshihiro, 4,864,892, Cl. 74-760.000.
  - Yamada, Yoshihiro; Shirai, Ryoichi; and Hayakawa, Youichi, 4,889,621, Cl. 210-168.000.
- Hayakawa, Yuji, to Brother Kogyo Kabushiki Kaisha. Method and apparatus for automatically replacing defective recording tracks in data storage apparatus. 4,796,113, 1-3-89, Cl. 371-10.000.
- Hayakawa, Yuji; and Uchida, Takuo, to Tokyo Electron Limited. Electrical characteristic measuring apparatus. 4,884,026, 11-28-89, Cl. 324-158.00F.
- Hayama, Hiroyoshi: *See—*
  - Imaizumi, Masaru; and Hayama, Hiroyoshi, 4,862,226, Cl. 355-298.000.
  - Kamitamari, Manabu; and Hayama, Hiroyoshi, 4,839,697, Cl. 355-309.000.
- Hayama, Kazuhide; and Saitoh, Yukio, to Mitsubishi Petrochemical Co., Ltd. Developing composition and a sheet for pressure-sensitive copy paper. 4,839,457, 6-13-89, Cl. 528-86.000.
- Hayama, Koh, to Minolta Camera Kabushiki Kaisha. Camera with shutter actuated by piezoelectric element and flash light emitting means. 4,799,078, 1-17-89, Cl. 354-412.000.
- Hayama, Koh: *See—*
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Ootsuka, Hiroshi; and Hayama, Koh, 4,884,090, Cl. 354-234.100.
- Hayama, Masahiro: *See—*
  - Numano, Yoshinori; and Hayama, Masahiro, 4,889,983, Cl. 250-211.00J.
- Hayama, Masaki: *See—*
  - Suzuyama, Tomio; Kosaka, Takayuki; Hayama, Masaki; and Shirai, Tamotsu, 4,886,316, Cl. 297-284.000.
- Hayama, Masato, to Honda Giken Kogyo Kabushiki Kaisha. Variable area nozzle turbine. 4,867,637, 9-19-89, Cl. 415-164.000.
- Hayama, Masato: *See—*
  - Yano, Shunji; and Hayama, Masato, 4,820,118, Cl. 415-161.000.
- Hayama, Toru: *See—*
  - Hamada, Yasunori; Noda, Kousuke; Oizumi, Junichi; Terayama, Takao; Hayama, Toru; and Yamanaka, Haruo, 4,864,108, Cl. 235-379.000.
- Hayami, Atsushi: *See—*
  - Ono, Tsuyoshi; Yamada, Yasuhiro; Hikawa, Kazuo; Hayami, Atsushi; Inoue, Yasuo; and Ono, Fumiaki, 4,811,128, Cl. 360-73.120.
- Hayami, Hiroshi: *See—*
  - Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,861,905, Cl. 556-40.000.
  - Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,864,043, Cl. 556-40.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Hayami, Hiroshi, 4,874,580, Cl. 422-25.000.
- Hayami, Hiroyuki: *See—*
  - Utsumi, Atsushi; Okuno, Shinichi; and Hayami, Hiroyuki, 4,867,529, Cl. 350-96.250.
- Hayami, Toshitomo; Shibata, Humio; Iguchi, Katsumi; Inoue, Hisao; Ono, Takashi; and Ishimoto, Takashi, to Kabushiki Kaisha Toshiba. Furnace for formation of black oxide film on the surface of thin metal sheet and method for formation of black oxide film on the surface of shadow mask material by use of said furnace. 4,859,251, 8-22-89, Cl. 148-286.000.
- Hayamizu, Mamoru, to Soartec Corp. Moveable ink jet thermal printing head. 4,803,499, 2-7-89, Cl. 346-140.00R.
- Hayamizu, Yutaka: *See—*
  - Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayamizu, Yutaka; Aizawa, Satoru; Higashino, Masahiko; and Shimoda, Ikuo, 4,805,359, Cl. 52-167.000.
- Hayano, Fuminori; Imamura, Kazunori; Murata, Sunao; and Kato, Kinya, to Nikon Corporation. Apparatus with four light detectors for checking surface of mask with pellicle. 4,889,998, 12-26-89, Cl. 250-563.000.
- Hayano, Fuminori: *See—*
  - Imamura, Kazunori; Hayano, Fuminori; Kakizaki, Yukio; and Kobayashi, Jiro, 4,803,373, Cl. 250-561.000.
- Hayano, Fusakazu: *See—*
  - Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, 4,820,768, Cl. 525-92.000.
- Hayano, Makoto: *See—*
  - Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.
- Hayano, Shin-ichiro, to NEC Corporation. Multiplexer/demultiplexer circuitry for LSI implementation. 4,835,770, 5-30-89, Cl. 370-94.000.
- Hayano, Takeshi: *See—*
  - Furukawa, Minoru; Tagawa, Hiroaki; Hayano, Takeshi; and Ejima, Akio, 4,833,242, Cl. 540-225.000.
- Hayasaka, Enakichi. Homopole type AC generator. 4,831,299, 5-16-89, Cl. 310-166.000.
- Hayasaka, Harutaka: *See—*
  - Toyama, Toshio; Kato, Kazuya; Tanaka, Tadamasa; Yajima, Masashi; Hayasaka, Harutaka; Arai, Toru; and Terada, Hitoshi, 4,847,465, Cl. 219-85.100.
- Hayasaka, Sigeki: *See—*
  - Matsumoto, Takeshi; Oyamada, Takashi; and Hayasaka, Sigeki, 4,879,759, Cl. 455-348.000.
- Hayasaki, Hideto: *See—*
  - Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.
- Hayasaki, Hiroyuki: *See—*
  - Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.
- Hayasaki, Koichi; and Sugano, Kazuhiko, to Nissan Motor Co., Ltd. Control system for alleviating shock in automatic transmission. 4,807,496, 2-28-89, Cl. 74-866.000.
- Hayasaki, Koichi; and Sugano, Kazuhiko, to Nissan Motor Co., Ltd. Combined forward pressure and torque converter control for automatic transmission. 4,843,920, 7-4-89, Cl. 74-869.000.
- Hayasaki, Koichi; and Sugano, Kazuhiko, to Nissan Motor Company, Limited. Control system for alleviating shock in automatic transmission. 4,867,194, 9-19-89, Cl. 137-118.000.
- Hayasaki, Koichi, to Nissan Motor Co., Ltd. Hydraulic control system for automatic automotive transmission. 4,876,925, 10-31-89, Cl. 74-868.000.
- Hayase, Isao: *See—*
  - Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
  - Tojo, Kenji; Kadomukai, Yuzo; Takao, Kunihiko; Nakamura, Yozo; Suginuma, Atsushi; Hayase, Isao; and Takahashi, Yukio, 4,801,248, Cl. 417-222.000.
  - Tsuruoka, Kazuhiro; Kanamaru, Hisanobu; Ohwada, Takefumi; Hayase, Isao; and Mizukami, Masao, 4,815,195, Cl. 29-523.000.
- Hayase, Masashi: *See—*
  - Ecklund, Richard C.; Hayase, Masashi; and Walkington, Robert J., 4,833,768, Cl. 29-421.100.
- Hayase, Shizu; Horiguchi, Rumiko; Onishi, Yasunobu; and Ushirogouchi, Toru, to Kabushiki Kaisha Toshiba. Polysilane compound and photosensitive composition. 4,871,646, 10-3-89, Cl. 430-192.000.
- Hayase, Shuji: *See—*
  - Onishi, Yasunobu; Hayase, Shuji; Horiguchi, Rumiko; and Hirao, Akiko, 4,822,716, Cl. 430-192.000.
- Hayase, Shuzi; Onishi, Yasunobu; and Horiguchi, Rumiko, to Kabushiki Kaisha Toshiba. Photosensitive composition and method of forming a resist pattern with copolymer of polyvinyl phenol. 4,828,958, 5-9-89, Cl. 430-175.000.
- Hayase, Shuzi; Onishi, Yasunobu; Suzuki, Shuichi; and Wada, Moriyasu, to Kabushiki Kaisha Toshiba. Photopolymerizable epoxy resin composition. 4,835,193, 5-30-89, Cl. 522-15.000.
- Hayase, Shuzi: *See—*
  - Suzuki, Shuichi; Wada, Moriyasu; and Hayase, Shuzi, 4,831,063, Cl. 522-13.000.
  - Wada, Moriyasu; Suzuki, Shuichi; Wada, Yuusuke; Hayase, Shuzi; and Mikogami, Yukihiro, 4,816,496, Cl. 522-17.000.
- Hayashi, Akihiro, to Toshiba Kikai Kabushiki Kaisha. Method for evaluating free surface and NC system thereof. 4,868,761, 9-19-89, Cl. 364-474.240.
- Hayashi, Akira. Diaphragm for producing sound. 4,828,907, 5-9-89, Cl. 428-246.000.
- Hayashi, Chihiro, to Sumitomo Metal Industries, Ltd. Method of piercing and manufacturing seamless tubes. 4,827,750, 5-9-89, Cl. 72-97.000.
- Hayashi, Chihiro: *See—*
  - Kojima, Masayasu; and Hayashi, Chihiro, 4,852,736, Cl. 206-328.000.
- Hayashi, Chikahisa; Inui, Shuji; Hiramitsu, Tetsushi; Hirano, Atsuo; and Kantoh, Takanori, to Toyoda Gosei Co., Ltd. Relay mechanism for a steering wheel. 4,804,857, 2-14-89, Cl. 307-10.00R.
- Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, to Toyoda Gosei Co., Ltd.; and Horie Metal Co., Ltd. Structure for mounting liquid level meter. 4,831,878, 5-23-89, Cl. 73-313.000.
- Hayashi, Chikahisa; Kawai, Makoto; and Hirose, Yoshikazu, to Toyoda Gosei Co., Ltd. Liquid level indication device. 4,845,986, 7-11-89, Cl. 73-290.00R.
- Hayashi, Chikahisa: *See—*
  - Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kosai, Makoto, 4,868,355, Cl. 200-61.540.
  - Mizutani, Junichi; Muroi, Ryoichi; Hayashi, Chikahisa; Sano, Yoshio; and Komatsu, Moriyuki, 4,843,477, Cl. 358-248.000.
- Hayashi, Eiichi: *See—*
  - Suzuki, Yukio; Yaso, Masao; Nisimura, Katumi; Saeki, Kenzi; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,175, Cl. 544-354.000.
  - Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,837,319, Cl. 544-120.000.
  - Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.
  - Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,870,176, Cl. 544-408.000.
  - Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,877,875, Cl. 544-116.000.
  - Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,877,877, Cl. 544-354.000.
- Hayashi, Haruhiko. Locking lug nut for wheels and tires. 4,869,633, 9-26-89, Cl. 411-368.000.
- Hayashi, Hideaki: *See—*
  - Goto, Masao; and Hayashi, Hideaki, 4,831,615, Cl. 369-223.000.
- Hayashi, Hidechika, to Tosoh Corporation. Measuring apparatus for enzyme reaction rates. 4,821,080, 4-11-89, Cl. 356-318.000.
- Hayashi, Hidechika: *See—*
  - Higo, Yuji; Hayashi, Hidechika; and Iwasaki, Shuji, 4,810,659, Cl 436-180.000.
- Hayashi, Hideharu, to Yazaki Corporation. Electrical connecting box. 4,871,884, 10-3-89, Cl. 174-52.100.
- Hayashi, Hideharu: *See—*
  - Sugiyama, Masaaki; Watanabe, Mitsugu; Hayashi, Hideharu; Nishio, Yukio; and Yamamoto, Masaki, 4,801,035, Cl. 220-3.800.
- Hayashi, Hideki, to Sumitomo Electric Industries, Ltd. High speed stable light emitting semiconductor device with low threshold current. 4,815,087, 3-21-89, Cl. 372-45.000.
- Hayashi, Hideki; and Honda, Tsutomu, to Pioneer Electronic Corporation. Multirecording method eliminating striped-pattern interference. 4,819,086, 4-4-89, Cl. 358-343.000.
- Hayashi, Hideki: *See—*
  - Shikata, Shinichi; and Hayashi, Hideki, 4,859,618, Cl. 437-41.000.
  - Watanabe, Tsutomu; and Hayashi, Hideki, 4,863,646, Cl. 264-15.000.
- Hayashi, Hideo: *See—*
  - Nakano, Shozo; and Hayashi Hideo, 4,849,725, Cl. 335-8.000.
  - Tokizane, Toshiaki; Hayashi, Hideo; Iseki, Takayuki; Morimoto, Ikuhisa; and Yamada, Tooru, 4,813,888, Cl. 429-583.000.
  - Wakabayashi, Makoto; Fujiwara, Kenichi; and Hayashi, Hideo, 4,874,836, Cl. 528-185.000.
- Hayashi, Hideyuki: *See—*
  - Komurasaki, Keiichi; and Hayashi, Hideyuki, 4,835,428, Cl. 310-68.00D.
- Hayashi, Hiroshi; Maei, Shigeki; Yamamoto, Osamu; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, to Sharp Kabushiki Kaisha. External cavity type semiconductor laser apparatus. 4,864,585, 9-5-89, Cl. 372-92.000.
- Hayashi, Hiroshi: *See—*
  - Goto, Sachio; Kobayashi, Hideo; Yasumori, Akira; Kimura, Tsutomu; and Hayashi, Hiroshi, 4,830,825, Cl. 420-486.000.
  - Idota, Yoshio; Karino, Yukio; Hayashi, Hiroshi; and Tomiyama, Hideki, 4,798,779, Cl. 430-202.000.
  - Inoue, Nobuaki; Sasaoka, Senzo; and Hayashi, Hiroshi, 4,849,319, Cl. 430-264.000.
  - Kajihara, Junichi; Kiyota, Takao; and Hayashi, Hiroshi, 4,880,915, Cl. 530-413.000.
  - Kawanishi, Hidenori; Yamamoto, Osamu; Miyauchi, Nobuyuki; Maei, Shigeki; and Hayashi, Hiroshi, 4,829,531, Cl. 372-19.000.
  - Kawanishi, Hidenori; Yamaguchi, Masahiro; Hayashi, Hiroshi; Morimoto, Taiji; and Kaneiwa, Shinji, 4,879,725, Cl. 372-48.000.
  - Kobayashi, Osamu; and Hayashi, Hiroshi, 4,809,966, Cl. 271-181.000.
  - Kobayashi, Osamu; Hayashi, Hiroshi; and Yamagishi, Ryoji, 4,880,096, Cl. 194-206.000.
  - Miyauchi, Nobuybuki; Yamamoto, Osamu; Hayashi, Hiroshi; Yamamoto, Saburo; and Maei, Shigeki, 4,817,109, Cl. 372-92.000.
  - Miyauchi, Nobuyuki; Maei, Shigeki; Yamamoto, Osamu; Morimoto, Taiji; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,815,089, Cl. 372-49.000.
  - Miyauchi, Nobuyuki; Kawanishi, Hidenori; Maei, Shigeki; Yamamoto, Osamu; and Hayashi, Hiroshi, 4,860,305, Cl. 372-92.000.
  - Morimoto, Taiji; Taneya, Mototaka; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,819,245, Cl. 372-48.000.
  - Yamamoto, Osamu; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,803,695, Cl. 372-92.000.
  - Yamamoto, Osamu; Hayashi, Hiroshi; Matsui, Sadayoshi; Takiguchi, Haruhisa; and Miyauchi, Nobuyuki, 4,806,778, Cl. 250-561.000.
  - Yamamoto, Osamu; Maei, Shigeki; Hayashi, Hiroshi; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,811,350, Cl. 372-43.000.
  - Yamamoto, Saburo; Hayashi, Hiroshi; and Morimoto, Taiji, 4,819,244, Cl. 372-46.000.
  - Yamamoto, Tetsuo; Hayashi, Hiroshi; Muta, Tenshiro; Hori, Yoshiaki; and Kubo, Katsushi, 4,842,957, Cl. 428-622.000.
- Hayashi, Hisao, to Sony Corporation. Manufacturing process and structure of semiconductor memory devices. 4,820,652, 4-11-89, Cl. 437-52.000.
- Hayashi, Hisao: *See—*
  - Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi; Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, 4,823,235, Cl. 361-424.000.
- Hayashi, Isamu. Metal form pallet. 4,828,311, 5-9-89, Cl. 294-67.300.
- Hayashi, Junichi, to Yamato Scale Company, Limited of Akashi, Japan. Hydraulic damper. 4,848,495, 7-18-89, Cl. 177-187.000.
- Hayashi, Junichi: *See—*
  - Inoue, Shinichi; and Hayashi, Junichi, 4,815,548, Cl. 177-187.000.
- Hayashi, Junkichi; and Uchida, Tamotu, to Pioneer Electronic Corporation. Method of making a voice coil with rectangular coil wire and foil leads. 4,825,533, 5-2-89, Cl. 29-605.000.
- Hayashi, Kanji, to Fanetech Institute Limited. Super high-speed application roller for coating low viscosity liquids on a surface of a film. 4,807,339, 2-28-89, Cl. 29-121.500.
- Hayashi, Kanji: *See—*
  - Yanagi, Kenichi; Mito, Yoshiki; and Hayashi, Kanji, 4,869,310, Cl. 164-431.000.
- Hayashi, Katsumi: *See—*
  - Okutsu, Eiichi; Yagihara, Morio; Hirano, Mitsunori; and Hayashi, Katsumi, 4,833,064, Cl. 430-267.000.
- Hayashi, Katsunori: *See—*
  - Kanai, Tamotsu; and Hayashi, Katsunori, 4,887,449, Cl. 72-356.000.
- Hayashi, Katsushige: *See—*
  - Sugio, Akitoshi; Kawaki, Takao; Kobayashi, Makoto; Hayashi, Katsushige; and Watanabe, Masahito, 4,861,854, Cl. 528-125.000.
- Hayashi, Kazuhiko; Kuroyanagi, Shigeru; and Iwasuki, Kunihiro, to Toyota Jidosha Kabushiki Kaisha. System for controlling idling speed in internal combustion engine for vehicle with automatic transmission. 4,841,447, 6-20-89, Cl. 364-431.070.
- Hayashi, Kazumi: *See—*
  - Demura, Hiroshi; Kawahashi, Akira; Hayashi, Kazumi; and Kokubu, Sadao, 4,799,769, Cl. 350-331.00R.
  - Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, 4,820,022, Cl. 350-331.00R.
- Hayashi, Kazunori: *See—*
  - Amimoto, Yoshio; Shinjo, Masayoshi; Hayashi, Kazunori; and Enomoto, Takashi, 4,795,793, Cl. 526-243.000.
- Hayashi, Kazuo: *See—*
  - Beach, Daryl R.; and Hayashi, Kazuo, 4,836,603, Cl. 297-193.000.
- Hayashi, Kazutoshi; Nabetani, Hideo; Tanaka, Toshiaki; and Ishida, Kazushi, to Fujitsu Limited. Push button switch using dome spring and switch element thereof. 4,803,316, 2-7-89, Cl. 200-406.000.
- Hayashi, Kazuyuki: *See—*
  - Hagiwara, Masayoshi; Suzuki, Michio; Sasaki, Ryoichi; Sugano, Minoru; Horiki, Akira; and Hayashi, Kazuyuki, 4,876,681, Cl. 370-60.000.
- Hayashi, Keiji: *See—*
  - Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.
- Hayashi, Kenichi; Matsuoka, Yoshito; Kasahara, Michio; and Morita, Naoki, to Asahi Kasei Kogyo Kabushiki Kaisha. Fluorine-containing elastomer and a shaped article thereof. 4,830,920, 5-16-89, Cl. 428-421.000.
- Hayashi, Kenji, to Olympus Optical Company Limited. Method of manufacturing focal plates. 4,851,164, 7-25-89, Cl. 264-1.400.
- Hayashi, Kenji: *See—*
  - Eitoku, Kenji; Tateishi, Mamoru; and Hayashi, Kenji, 4,884,052, Cl. 338-202.000.
  - Goto, Chikado; Hayashi, Kenji; and Sakuuchi, Toshio, 4,830,357, Cl. 271-293.000.
  - Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.
  - Oka, Tetsuo; Hayashi, Kenji; Akamatsu, Takayoshi; and Horiuchi, Satoshi, 4,888,211, Cl. 427-130.000.
  - Tanaka, Yoshiyuki; Ii, Akira; Meguro, Taiichi; and Hayashi, Kenji, 4,858,136, Cl. 364-431.070.
  - Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.
  - Yamanaka, Toshihiko; and Hayashi, Kenji, 4,867,476, Cl. 280-714.000.
- Hayashi, Kenro; and Tanaka, Takashi, to Toshiba Ceramics Co., Ltd. Method of producing heat treating furnace member. 4,836,965, 6-6-89, Cl. 264-60.000.
- Hayashi, Kenrou; Oguma, Reiji; and Tamura, Masayuki, to Toshiba Ceramics Co., Ltd. Process for producing β-form Si_3N_4. 4,888,142, 12-19-89, Cl. 264-65.000.
- Hayashi, Kentaro; and Kimura, Hiroshi, to Oki Electric Industry Co., Ltd. Packet switching system. 4,870,639, 9-26-89, Cl. 370-60.000.
- Hayashi, Kimiaki; Ozaki, Yasuhiko; Yamada, Kenji; Takenaga, Hideyuki; and Inoue, Ichizo, to Tanabe Seiyaku Co., Ltd. Thiophene derivative and process for preparing the same. 4,857,543, 8-15-89, Cl. 314-444.000.
- Hayashi, Kimitaka: *See—*
  - Tatebayashi, June; Takada, Tomoaki; Hayashi, Kimitaka; and Kumagai, Chikanori, 4,877,397, Cl. 432-106.000.
- Hayashi, Kiyoshi: *See—*
  - Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasuo, 4,833,593, Cl. 364-191.000.

- Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasuo, 4,858,103, Cl. 364-174.000.
- Hayashi, Koji; Yoshioka, Susumu; and Ono, Noritsugu, to Mitutoyo Corporation. Method and apparatus for spatial coordinate measurement. 4,805,314, 2-21-89, Cl. 33-503.000.
- Hayashi, Koji: *See—*
  - Hashimoto, Miho; Yokoe, Masaaki; Kurono, Yoshikazu; and Hayashi, Koji, 4,841,891, Cl. 112-262.300.
  - Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Hayashi, Koji; Ikeguchi, Masahiko; and Yoshida, Tsunezo, 4,822,402, Cl. 71-90.000.
  - Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Koji; and Goto, Tomoe, 4,823,714, Cl. 112-262.300.
- Hayashi, Kojiro: *See—*
  - Yoshida, Kiyomi; Iwano, Fumiyuki; and Hayashi, Kojiro, 4,804,356, Cl. 493-206.000.
- Hayashi, Kotaro; Ito, Sumio; and Kobashi, Kiyoshi, to Toyota Jidosha Kabushiki Kaisha. Exhaust gas emission control device for diesel engine. 4,875,336, 10-24-89, Cl. 60-286.000.
- Hayashi, Kouji: *See—*
  - Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Kouji; and Hashimoto, Miho, 4,849,902, Cl. 364-470.000.
- Hayashi, Kuniharu: *See—*
  - Mizutani, Minoru; Hayashi, Kuniharu; Kikuchi, Hiroshi; and Chiba, Naoki, 4,823,038, Cl. 310-257.000.
  - Tanuma, Jiro; Hayashi, Kuniharu; Katakura, Shinichi; and Sakaino, Hiroshi, 4,818,129, Cl. 400-323.000.
- Hayashi, Kunioki; Tanaka, Hironori; Sasagawa, Tsutomu; Uemura, Isao; and Aizawa, Akira, to Toyo Jozo Co., Ltd.; and Ise Chemical Industries Co., Ltd. Method of breeding poultry for food. 4,858,560, 8-22-89, Cl. 119-1.000.
- Hayashi, Makoto: *See—*
  - Tanahashi, Haruhiko; and Hayashi, Makoto, 4,795,009, Cl. 188-315.000.
- Hayashi Manufacturing Company, Ltd.: *See—*
  - Onodera, Mitsuo, 4,850,436, Cl. 173-1.000.
  - Onodera, Mitsuo, 4,858,300, Cl. 29-463.000.
- Hayashi, Masaaki: *See—*
  - Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gobara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.
- Hayashi, Masahiko: *See—*
  - Fujii, Yasuo; and Hayashi, Masahiko, 4,868,752, Cl. 364-424.020.
  - Fujii, Yasuo; and Hayashi, Masahiko, 4,873,644, Cl. 364-478.000.
- Hayashi, Masahiro: *See—*
  - Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, 4,851,508, Cl. 528-272.000.
  - Ohta, Toshihiko; Okada, Fujio; and Hayashi, Masahiro, 4,800,121, Cl. 428-364.000.
- Hayashi, Masaki: *See—*
  - Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mohri, Tetsuya; Hayashi, Masaki; Terashima, Hiroshi; Hirata, Fumio; and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.
- Hayashi, Masamichi: *See—*
  - Saijo, Hiromitsu; Ikeda, Hiroshi; Hayashi, Masamichi; and Matsuda, Shinya, 4,825,241, Cl. 355-3.0DD.
- Hayashi, Masanori; and Ito, Fukefumi, to Q.P. Corporation. Separate type dressing. 4,826,702, 5-2-89, Cl. 426-589.000.
- Hayashi, Masaro: *See—*
  - Taguchi, Fumiaki; Mitsui, Isamu; Hara, Kinichi; Hayashi, Masaro; Ezawa, Kunio; Fukunaga, Kenichi; and Kuranari, Jun, 4,882,423, Cl. 530-380.000.
- Hayashi, Masaru: *See—*
  - Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko; Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge, Akihiko, 4,847,221, Cl. 501-98.000.
- Hayashi, Masashi: *See—*
  - Yamano, Minoru; Fujiwara, Hideo; Hayashi, Masashi; and Naganawa, Nobuhiko, 4,814,920, Cl. 360-122.000.
- Hayashi, Masatake, to Sony Corporation. Method of forming a fluorescent screen for a color CRT. 4,859,549, 8-22-89, Cl. 430-23.000.
- Hayashi, Masato: *See—*
  - Hase, Takashi; Jinnai, Toshio; Fujino, Shigeo; Hayashi, Masato; and Toshinai, Akio, 4,810,416, Cl. 252-301.60R.
- Hayashi, Masatoshi: *See—*
  - Nakatsuka, Shin-ichi, Hayashi; Masatoshi; Yokomori, Sadakazu; Nakashima, Yoshimoto; Hatayama, Katsuo; and Araki, Hiroaki, 4,883,876, Cl. 546-51.000.
  - Okabe, Susumu; Satoh, Masaru; Yamakawa, Tomio; Nomura, Yutaka; and Hayashi, Masatoshi, 4,824,856, Cl. 514-395.000.
- Hayashi, Masayuki: *See—*
  - Araki, Kazunori; Hayashi, Masayuki; Yamaguchi, Shogo; and Hanada, Munehiro, 4,807,421, Cl. 53-167.000.
  - Sueshige, Hirotaka; and Hayashi, Masayuki, 4,856,607, Cl. 180-142.000.
- Hayashi, Mikio; and Otsuka, Fumio, to Seikosha Co., Ltd. Dot printer having means for discharging static electricity from the ink ribbon. 4,887,921, 12-19-89, Cl. 400-196.100.
- Hayashi, Mikio: *See—*
  - Funatsu, Takenori; Hayashi, Mikio; and Ohtomo, Yoshitaka, 4,810,302, Cl. 106-402.000.
- Hayashi, Minoru; Kobari, Koichi; Sato, Kimiharu; and Kishimoto, Junichi, to Nippon Koki Co., Ltd. Gas generating apparatus for inflating air bag. 4,833,996, 5-30-89, Cl. 102-530.000.
- Hayashi, Minoru: *See—*
  - Kazumi, Takashi; Yano, Chitoshi; and Hayashi, Minoru, 4,834,916, Cl. 149-35.000.
- Hayashi, Misao: *See—*
  - Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
- Hayashi, Mishio, to Advantest Corporation. Continuous counting device. 4,870,664, 9-26-89, Cl. 377-44.000.
- Hayashi, Mishio, to Advantest Corporation. Data pattern synchronizer. 4,878,233, 10-31-89, Cl. 375-116.000.
- Hayashi, Mitsuhiro: *See—*
  - Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ito, Kunikatsu, 4,868,364, Cl. 219-110.000.
  - Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ito, Kunikatsu, 4,879,445, Cl. 219-64.000.
- Hayashi, Mitsuji: *See—*
  - Honda, Sueaki; Hayashi, Mitsuji, Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,816,630, Cl. 200-314.000.
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,851,623, Cl. 200-314.000.
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,873,402, Cl. 200-283.000.
- Hayashi, Mitsunobu, to Alps Electric Co., Ltd. Dielectric ceramic composition. 4,806,511, 2-21-89, Cl. 501-135.000.
- Hayashi, Motohiko: *See—*
  - Kotani, Matahira; Hayashi, Motohiko; and Ooi, Yoshikatsu, 4,797,748, Cl. 358-257.000.
  - Kotani, Matahira; Hayashi, Motohiko; and Yamanoue, Masafumi, 4,841,374, Cl. 358-280.000.
- Hayashi, Mutuo: *See—*
  - Nishi, Yoshitsuga; Kawasaki, Kenji; Hayashi, Mutuo; and Yamagishi, Chitake, 4,818,511, Cl. 423-344.000.
- Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nonogaki, Saburo; and Nishizawa, Masahiro, to Hitachi, Ltd. Process of improving optical contact of patternwise powdery coating layer and phosphor screen provided therefore. 4,857,429, 8-15-89, Cl. 430-28.000.
- Hayashi, Nobuaki. Method of reinforcing a guitar neck. 4,877,070, 10-31-89, Cl. 144-364.000.
- Hayashi, Nobuaki: *See—*
  - Nonogaki, Saburo; Morishita, Hajime; Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nishizawa, Masahiro; and Mori, Kiyoshi, 4,815,821, Cl. 350-164.000.
- Hayashi, Nobuatsu: *See—*
  - Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.
- Hayashi, Nobuo: *See—*
  - Yoshino, Thunekazu; Morita, Hiroshi; Nakano, Hirotaka; Hayashi, Nobuo; and Kubota, Yuko, 4,887,760, Cl. 228-56.300.
- Hayashi, Nobuyasu: *See—*
  - Kokabu, Misao; Nakamura, Hitoshi; Fujimura, Takashi; and Hayashi, Nobuyasu, 4,841,315, Cl. 354-1.000.
- Hayashi, Nobuyuki: *See—*
  - Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, 4,886,721, Cl. 430-59.000.
  - Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, 4,833,204, Cl. 558-416.000.
  - Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, 4,842,[illegible], Cl. 430-58.000.
- Hayashi, Noriyuki: *See—*
  - Kageyama, Yukihiko; Hayashi, Noriyuki; and Hijikata, Kenji, 4,864,013, Cl. 528-220.000.
- Hayashi, Osamu; Matsuda, Sadamu; Takahashi, Ichiro; Okamoto, Goro; and Okahashi, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Electrode supporting conduit tube for electrical heating of underground hydrocarbon resources. 4,798,769, 1-17-89, Cl. 428-460.000.
- Hayashi, Ryoichi; Sakamoto, Kiichiro; and Terashita, Takaaki, to Fuji Photo Film Co., Ltd. Color negative inspection apparatus. 4,797,712, 1-10-89, Cl. 355-38.000.
- Hayashi, Ryutaro; Kimura, Yukio; and Yoshino, Toshikazu, to Pioneer Electronic Corporation. Optical information recording disk. 4,847,827, 7-11-89, Cl. 369-284.000.
- Hayashi, Ryutaro: *See—*
  - Kimura, Yukio; Yoshino, Toshikazu; and Hayashi, Ryutaro, 4,853,260, Cl. 427-240.000.
- Hayashi, Sadayuki: *See—*
  - Omura, Yoshiteru; Kawaguchi, Kazuyoshi; Tsukada, Kouji; Sugiyama, Susumu; Hayashi, Sadayuki; and Matsui, Masayuki, 4,833,929, Cl. 73-862.680.
- Hayashi, Satoru: *See—*
  - Osada, Shuichi; Hayashi, Satoru; Goto, Masaru; and Godo, Kiyoshi, 4,854,529, Cl. 246-187.00B.
- Hayashi, Satoshi; Tomita, Masahiro; Niwa, Hitoshi; and Makai, Hirokatsu, to Nippondenso Co., Ltd. Pilot injection system for fuel injection pump. 4,838,233, 6-13-89, Cl. 123-506.000.
- Hayashi, Seiichi; Hohjoh, Tadashi; Shida, Atsuhiko; and Ikekawa, Nobuo. 23-phenylbrassinosteroids. 4,886,544, 12-12-89, Cl. 71-88.000.
- Hayashi, Seiichi: *See—*
  - Seki, Gen; and Hayashi, Seiichi, 4,819,108, Cl. 360-104.000.
- Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kajuyosi; Umeda, Masahiro; Kondo, Kazuo; and Kaji, Yosifumi, to Toyota Jidosha Kabushiki Kaisha. Highly viscous material coating apparatus. 4,809,885, 3-7-89, Cl. 222-174.000.
- Hayashi, Sensuke; Ota, Koji; and Hashimoto, Hirofumi, to Toyota Jidosha Kabushiki Kaisha. Method and apparatus for applying sealing material to automotive vehicle bodies. 4,869,935, 9-26-89, Cl. 427-421.000.
- Hayashi, Sensuke: *See—*
  - Hashimoto, Hirofumi; and Hayashi, Sensuke, 4,848,657, Cl. 239-11.000.
- Hayashi, Shigeaki: *See—*
  - Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.
  - Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, 4,816,696, Cl. 290-52.000.
- Hayashi, Shigenori; Hirose, Naoki; Inujima, Takashi; and Ito, Kenji, to Semiconductor Energy Laboratory Co., Ltd. Chemical vapor reaction process by virtue of uniform irradiation. 4,803,095, 2-7-89, Cl. 427-54.100.
- Hayashi, Shigenori: *See—*
  - Urata, Kazuo; Hirose, Naoki; and Hayashi, Shigenori, 4,887,548, Cl. 118-722.000.
- Hayashi, Shigeo: *See—*
  - Nakatsu, Keiji; Hayashi, Shigeo; Ogawa, Masaharu; Itou, Osamu; Watanabe, Isao; and Tanaka, Kunimaro, 4,835,752, Cl. 369-32.000.
- Hayashi, Shigeru; and Yamada, Kaneo, to Terumo Kabushiki Kaisha. Fibrinophilic urokinase complex and method for production thereof. 4,8[illegible], 7-25-89, Cl. 435-215.000.
- Hayashi, Shigeru; Saito, Takasui; Horiuchi, Shoji; and Takahashi, Tadashi, to Nagasu, Hideo; and Tohnichi Computer Applications Co., Ltd. Photoelectric conversion sensor with shifted arcuate elements. 4,882,478, 11-21-89, Cl. 250-211.00R.
- Hayashi, Shigeyuki, to Brother Kogyo Kabushiki Kaisha. Copying device for copying an image on a photo-pressure sensitive sheet. 4,801,976, 1-31-89, Cl. 355-28.000.
- Hayashi, Shigeyuki; and Nakata, Takashi, to Brother Kogyo Kabushiki Kaisha. Photo-pressure sensitive sheet cartridge. 4,864,362, 9-5-89, Cl. 355-72.000.
- Hayashi, Shigeyuki: *See—*
  - Sangyoji, Kazuo; Sakai, Jun; Hayashi, Shigeyuki; Suzuki, Makoto; and Kimura, Yasuo, 4,875,074, Cl. 355-27.000.
- Hayashi, Shinichirou: *See—*
  - Shikano, Yoshirou; and Hayashi, Shinichirou, 4,806,896, Cl. 336-73.000.
- Hayashi, Shohei: *See—*
  - Kamohara, Hiroshi; Hayashi, Shohei; and Ohi, Nobukazu, 4,814,011, Cl. 106-38.510.
- Hayashi, Shoichi; Sakai, Norio; and Ishihara, Hidetoshi, to Mitsubishi Jukogyo Kabushiki Kaisha. Compression membrane. 4,848,106, 7-18-89, Cl. 68-19.100.
- Hayashi, Shoichiro: *See—*
  - Matsuda, Toshiharu; Sasakawa, Atsushi; Hayashi, Shoichiro; and Konai, Yutaka, 4,873,366, Cl. 562-416.000.
- Hayashi, Sokichi, to Tamagawa Seiki Kabushiki Kaisha. Dynamically tuned gyro with unitary rotor assembly. 4,868,434, 9-19-89, Cl. 310-42.000.
- Hayashi, Steven J.: *See—*
  - Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A., Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,807,116, Cl. 364-200.000.
  - Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., 4,817,091, Cl. 371-9.000.
- Hayashi, Steven R.: *See—*
  - Thomas, Charles E.; Bedard, James F.; Harris, Lawson P.; Wildes, Douglas G.; and Hayashi, Steven R., 4,806,914, Cl. 340-680.000.
- Hayashi, Tadamasa: *See—*
  - Ohkubo, Kazuo; Hayashi, Tadamasa; and Nagai, Hiroshi, 4,876,006, Cl. 210-321.690.
- Hayashi, Tadao, to Ricoh Company, Ltd. Image editing system for an image recording apparatus with the capability of marking an edited image area in the form of a vector. 4,881,130, 11-14-89, Cl. 358-443.000.
- Hayashi, Tadashi: *See—*
  - Nagata, Mitsuhiro; Hayashi, Tadashi; Hashimoto, Yoshinobu; and Nakamura, Kiyoshi, 4,873,208, Cl. 501-89.000.
- Hayashi, Tadayoshi: *See—*
  - Fujisawa, Yoshikazu; Hayashi, Tadayoshi; Ushio, Hideaki; and Shibata, Kazuo, 4,868,067, Cl. 428-614.000.
  - Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Fujisawa, Yoshikazu; and Hata, Tsunehisa, 4,817,578, Cl. 123-668.000.
  - Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Hata, Tsunehisa; and Fujisawa, Yoshikazu, 4,856,462, Cl. 123-41.840.
- Hayashi, Takahiro; and Nakata, Takeshi, to Sanyo Electric Co., Ltd. Apparatus for controlling a soap concentration in cleaning solvent. 4,867,193, 9-19-89, Cl. 137-93.000.
- Hayashi, Takahisa: *See—*
  - Wakimoto, Zenji; and Hayashi, Takahisa, 4,867,545, Cl. 350-415.000.
- Hayashi, Takashi; Tokoro, Setsuo; Watanabe, Tomoyuki; and Shigematsu, Takashi, to Toyota Jidosha Kabushiki Kaisha. Method and apparatus for controlling electro-magnetic particle clutch. 4,803,628, 2-7-89, Cl. 364-424.100.
- Hayashi, Takashi, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Control apparatus for electrically driven power steering system for a fork lift truck. 4,828,066, 5-9-89, Cl. 180-142.000.
- Hayashi, Takashi, to Toyota Jidosha Kabushiki Kaisha. Method and apparatus for controlling a clutch of a vehicle. 4,860,863, 8-29-89, Cl. 192-0.033.
- Hayashi, Takashi, to Toyota Jidosha Kabushiki Kaisha. Control method for magnetic powder clutch. 4,867,287, 9-19-89, Cl. 192-0.076.
- Hayashi, Takashi: *See—*
  - Nakawaki, Yasunori; Numazawa, Akio; and Hayashi, Takashi, 4,836,056, Cl. 74-866.000.
  - Watanabe, Tomoyuki; Tokoro, Setsuo; Hayashi, Takashi; and Shigematsu, Takashi, 4,811,222, Cl. 364-424.100.
- Hayashi, Takatoshi; Fujiki, Norio; Tanaka, Yoichiro; Nishimoto, Takashi; and Kobayashi, Masakazu, to Kanto Seiki Co., Ltd.; and Nissan Motor Co., Ltd. Self-diagnostic apparatus for vehicle meter. 4,871,993, 10-3-89, Cl. 340-439.000.
- Hayashi, Takatoshi: *See—*
  - Fujiki, Norio; Ishikawa, Masahiro; Kawagishi, Masao; and Hayashi, Takatoshi, 4,866,376, Cl. 324-160.000.
- Hayashi, Takayuki: *See—*
  - Usami, Toshimasa; Tanaka, Toshiharu; and Hayashi, Takayuki, 4,865,939, Cl. 430-138.000.
- Hayashi, Takehisa; Ishibashi, Kenichi; and Doi, Toshio, to Hitachi, Ltd. BICMOS output interface circuit for level-shifting ECL to CMOS. 4,849,660, 7-18-89, Cl. 307-475.000.
- Hayashi, Takehisa: *See—*
  - Hatta, Yasushi; Mitsusada, Kazumichi; Tanaka, Hirotoshi; and Hayashi, Takehisa, 4,803,527, Cl. 357-13.000.
- Hayashi, Takeo: *See—*
  - Sugimoto, Keiji; Hayashi, Takeo, and Fujimoto, Masahiro, 4,856,656, Cl. 206-523.000.
- Hayashi, Takeshi, to Kyoeizoki Co., Ltd. Solid transfer apparatus. 4,826,362, 5-2-89, Cl. 406-109.000.
- Hayashi, Takeshi. Aquatic show boat. 4,854,256, 8-8-89, Cl. 114-61.000.
- Hayashi, Takeshi: *See—*
  - Teranishi, Shunichi; and Hayashi, Takeshi, 4,879,615, Cl. 369-34.000.
- Hayashi, Tamotsu; Takekawa, Ryoichi; and Watanabe, Hiromi, to Isowa Industry Co., Ltd. Single facer machine having web change capability. 4,814,038, 3-21-89, Cl. 156-471.000.
- Hayashi, Tatsushi; Yoshiura, Shoichiro; and Iwamoto, Ken-ichi, to Sharp Kabushiki Kaisha. Magnification converting mechanism for a variable magnification copying apparatus. 4,805,001, 2-14-89, Cl. 355-58.000.
- Hayashi, Tatsushi: *See—*
  - Nakamura, Hiroshi; Hayashi, Tatsushi; Iwamoto, Ken-ichi; Okada, Kenji; Matsumoto, Kouichi; and Yoshiura, Shoichiro, 4,796,053, Cl. 355-8.000.
- Hayashi, Tatsuya: *See—*
  - Toya, Hideaki; and Hayashi, Tatsuya, 4,855,547, Cl. 200-144.00B.
- Hayashi, Teruaki: *See—*
  - Hikino, Hiroshi; and Hayashi, Teruaki, 4,801,582, Cl. 514-54.000.
- Hayashi, Torahiko; Hirabayashi, Koichi; and Tashiro, Yasunori, to Rheon Automatic Machinery Co., Ltd. Apparatus for quantitatively extruding food material. 4,801,258, 1-31-89, Cl. 425-238.000.
- Hayashi, Torahiko, to Rheon Automatic Machinery Co., Ltd. Apparatus for producing composite food having a controlled composition of materials. 4,806,087, 2-21-89, Cl. 425-130.000.
- Hayashi, Torahiko; and Shibata, Sadao, to Rheon Automatic Machinery Co., Ltd. Apparatus and method for quantitatively delivering food materials. 4,844,296, 7-4-89, Cl. 222-1.000.
- Hayashi, Torahiko; and Tashiro, Yasunori, to Rheon Automatic Machinery Co., Ltd. Method for quantitatively extruding food material. 4,859,479, 8-22-89, Cl. 426-281.000.
- Hayashi, Torahiko, to Rheon Automatic Machinery Co. Method for producing composite food having a controlled composition of materials. 4,877,623, 10-31-89, Cl. 426-231.000.
- Hayashi, Torahiko, to Rheon Automatic Machinery Co., Ltd. Apparatus for stretching a plastic raw material. 4,880,375, 11-14-89, Cl. 425-335.000.
- Hayashi, Torahiko: *See—*
  - Morikawa, Michio; and Hayashi, Torahiko, 4,883,417, Cl. 425-140.000.
- Hayashi, Toru: *See—*
  - Tanishima, Takao; Hayashi, Toru; and Ono, Mamoru, 4,816,942, Cl. 360-78.120.
- Hayashi, Toshihide; Kanayama, Ikuo; and Kanno, Masayoshi, to Sony Corporation. Receiver for pay television. 4,809,325, 2-28-89, Cl. 380-20.000.
- Hayashi, Toshihiro: *See—*
  - Nakano, Toshihiko; Hayashi, Toshihiro; Nogi, Kenroku; and Mori, Kiyomi, 4,866,605, Cl. 364-200.000.
  - Takeda, Satoru; Hayashi, Toshihiro; and Kohno, Hiroshige, 4,854,843, Cl. 425-437.000.
- Hayashi, Toshikazu: *See—*
  - Nakano, Tsunetomo; Hayashi, Toshikazu; and Tsukada, Toshinori, 4,855,215, Cl. 430-283.000.
- Hayashi, Toshio: *See—*
  - Iwatsuki, Makoto; and Hayashi, Toshio, 4,818,291, Cl. 106-124.000.
- Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, to Honda Giken Kogyo Kabushiki Kaisha. Hydrostatic continuously variable transmission. 4,827,721, 5-9-89, Cl. 60-489.000.

- Hayashi, Tsutomu; Ito, Kazuhito; Yoshida, Yoshihiro; and Saito, Mitsuru, to Honda Giken Kogyo Kabushiki Kaisha. Static hydraulic continuously variable transmission. 4,845,951, 7-11-89, Cl. 60-488.000.
- Hayashi, Tsutomu; and Hashimoto, Eiichi, to Honda Giken Kogyo Kabushiki Kaisha. Static hydraulic pressure type continuously variable transmission. 4,860,540, 8-29-89, Cl. 60-487.000.
- Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, to Honda Giken Kogyo Kabushiki Kaisha. Shift control device for hydrostatic continuously variable transmission. 4,875,390, 10-24-89, Cl. 74-731.000.
- Hayashi, Tsutomu: *See—*
  - Sakurai, Mikio; Hayashi, Tsutomu; Izumi, Masayuki; Sasaki, Hiroshi; Satho, Thoru; and Owada, Kazuo, 4,806,277, Cl. 252-626.000.
- Hayashi, Tuyoshi: *See—*
  - Ohta, Minemasa; Suzuki, Kenji; Fukuoka, Satoru; Takishita, Toshihiko; and Hayashi, Tuyoshi, 4,837,130, Cl. 430-321.000.
- Hayashi, Yasuaki, to Nihon Shinku Gijutsu Kabushiki Kaisha. Method of correcting azimuth angle of photometric ellipsometers. 4,837,603, 6-6-89, Cl. 356-369.000.
- Hayashi, Yasuhiro: *See—*
  - Deguchi, Naoyasu; Kamei, Sadao; Goda, Kensuke; Shuto, Sadanobu; and Hayashi, Yasuhiro, 4,886,738, Cl. 430-510.000.
  - Nishikawa, Meisei; Inagawa, Jun; Inagaki, Takeshi; Kaneshige, Toshihiko; Hayashi, Yasuhiro; and Kojima, Tadashi, 4,860,272, Cl. 369-48.000.
- Hayashi, Yasushi, to Kabushiki Kaisha Toshiba. Image information processing apparatus for displaying image information obtained by scanning an original document or retrieved from an optical disc memory. 4,816,925, 3-28-89, Cl. 358-342.000.
- Hayashi, Yasutaka: *See—*
  - Ikemoto, Hiroyuki; Oowa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,797,823, Cl. 364-424.050.
  - Ikemoto, Hiroyuki; Owa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,807,128, Cl. 364-424.050.
  - Mizuno, Masahiko; Amano, Yasushi; Yasuda, Eiichi; Doi, Shunichi; Hayashi, Yasutaka; and Yamaguchi, Hiroyuki, 4,834,205, Cl. 180-141.000.
- Hayashi, Yoshiaki; Itakura, Takeshi; Kato, Toyoji; and Koshidaka, Yukio, to Yoshino Kogyosho Co., Ltd. Pressure resistant bottle-shaped container. 4,877,141, 10-31-89, Cl. 215-1.00C.
- Hayashi, Yoshiaki: *See—*
  - Fujita, Taira; Hayashi, Yoshiaki; and Okayasu, Hiroshi, 4,804,417, Cl. 106-498.000.
  - Hashimoto, Kiyoyasu; Omura, Takashi; Suzuki, Yasuyuki; and Hayashi, Yoshiaki, 4,833,123, Cl. 503-227.000.
- Hayashi, Yoshihiko; and Orihashi, Ritsuro, to Hitachi, Ltd. Time interval measurement apparatus. 4,855,970, 8-8-89, Cl. 368-120.000.
- Hayashi, Yoshimasa; and Tamazawa, Tsuyoshi, to Nissan Motor Co., Ltd. Power plant structure for motor vehicle. 4,878,469, 11-7-89, Cl. 123-195.00A.
- Hayashi, Yoshimi: *See—*
  - Shimizu, Goro; Hayashi, Yoshimi; and Kitagawa, Yosuke, 4,826,550, Cl. 156-166.000.
  - Shimizu, Goro; Kamada, Masayasu; and Hayashi, Yoshimi, 4,851,282, Cl. 428-283.000.
- Hayashi, Yoshinori: *See—*
  - Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; Yokoi, Katsuyuki; and Nishimura, Seiya, 4,806,860, Cl. 324-208.000.
  - Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; and Usui, Akira, 4,811,254, Cl. 364-560.000.
  - Iijima, Kenzaburou; Hayashi, Yoshinori; Suzuki, Makoto; and Uchiyama, Atsushi, 4,847,879, Cl. 377-43.000.
  - Iijima, Kenzaburou; and Hayashi, Yoshinori, 4,879,674, Cl. 364-724.030.
  - Muramatsu, Toshihiro; Iijima, Kenzaburou; and Hayashi, Yoshinori, 4,855,740, Cl. 341-23.000.
- Hayashi, Yoshio: *See—*
  - Shibasaki, Masakatsu; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; and Hayashi, Yoshio, 4,810,805, Cl. 549-421.000.
- Hayashi, Yoshitaka, to Nippon Seiko Kabushiki Kaisha. Bearing assembly. 4,795,278, 1-3-89, Cl. 384-448.000.
- Hayashi, Youichi; Kubota, Kazuo; and Sakaguchi, Masaaki, to Fuji Photo Film Co., Ltd. Splice inspection method and apparatus using light inclined at a prescribed angle. 4,870,291, 9-26-89, Cl. 250-570.000.
- Hayashi, Yuji: *See—*
  - Kitajima, Yamato; and Hayashi, Yuji, 4,884,100, Cl. 355-68.000.
- Hayashi, Yukichi, to Kabushiki Kaisha Nippon Coinco. Control device for a vending machine and gift certificate for use thereon. 4,809,837, 3-7-89, Cl. 194-205.000.
- Hayashi, Yukichi; Furuya, Yonezo; Fukuda, Ichiroh; Akagawa, Masaki; and Kobayashi, Osamu, to Kabushiki Kaisha Nippon Conlux. Coin separator. 4,850,469, 7-25-89, Cl. 194-318.000.
- Hayashi, Yukichi, to Kabushiki Kaisha Nippon Coinco. Vending machine having slave dispensing units. 4,872,541, 10-10-89, Cl. 194-217.000.
- Hayashi, Yutaka; Matsumoto, Kazuhiko; and Hashizume, Nobuo, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Heterojunction bipolar transistor with inversion layer base. 4,811,070, 3-7-89, Cl. 357-34.000.
- Hayashi, Yutaka; Ishihara, Seiichi; and Hiraishi, Hisato, to Agency of Industrial Science and Technology; Ministry of International Trade & Industry; and Citizen Watch Co., Ltd. Optical information processing device using optical shutter elements. 4,818,867, 4-4-89, Cl. 250-229.000.
- Hayashi, Yutaka; Kojima, Yoshikazu; Kamiya, Masaaki; and Tanaka, Kojiro, to Kogyo Gizyutsuin; and Seiko Instruments & Electronics Ltd. Semiconductor nonvolatile memory. 4,821,236, 4-11-89, Cl. 365-185.000.
- Hayashi, Yutaka; Hayabuchi, Itsunari; Tsuchiya, Tatsuo; and Ishihara, Seiichi, to Director General of Agency of Industrial Science and Technology; Research Development Corporation of Japan; and Citizen Watch Co., Ltd. Nonvolatile semiconductor memory. 4,868,632, 9-19-89, Cl. 357-54.000.
- Hayashi, Yutaka: *See—*
  - Kato, Minoru; and Hayashi, Yutaka, 4,823,217, Cl. 360-104.000.
- Hayashibara, Ken: *See—*
  - Masaki, Kazumi, 4,800,329, Cl. 323-242.000.
  - Masaki, Kazumi, 4,812,804, Cl. 338-200.000.
  - Masaki, Kazumi, 4,834,701, Cl. 600-28.000.
  - Masaki, Kazumi, 4,841,972, Cl. 128-421.000.
  - Masaki, Kazumi, 4,855,649, Cl. 315-310.000.
  - Masaki, Kazumi, 4,868,536, Cl. 338-164.000.
- Hayashibara, Mikio: *See—*
  - Tanimoto, Hiroshi; and Hayashibara, Mikio, 4,803,382, Cl. 307-362.000.
- Hayashibara, Tokimasa: *See—*
  - Shibata, Masashi; Hayakawa, Iwao; and Hayashibara, Tokimasa, 4,812,339, Cl. 428-15.000.
- Hayashibe, Shoji: *See—*
  - Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.
- Hayashida, Akira: *See—*
  - Takamizawa, Minoru; Takeda, Yoshihumi; Hayashida, Akira; and Takeno, Tsutomu, 4,847,345, Cl. 528-35.000.
  - Takamizawa, Minoru; Umemura, Mitsuo; Kanari, Masato; Takeda, Yoshihumi; and Hayashida, Akira, 4,870,035, Cl. 501-88.000.
  - Takeda, Yoshihumi; Takamizawa, Minoru; and Hayashida, Akira, 4,869,854, Cl. 264-22.000.
  - Yamada, Motoyuki; Hayashida, Akira; Numanami, Kazutoshi; and Iizuka, Takahiro, 4,849,196, Cl. 423-345.000.
- Hayashida, Haruo: *See—*
  - Saito, Teruo; Hayashida, Haruo; and Hieda, Kazuo, 4,820,761, Cl. 524-456.000.
- Hayashida, Hiroshi: *See—*
  - Hashimoto, Ichiro; Ishizaki, Kosho; Hayashida, Hiroshi; and Miyashita, Kunio, 4,890,024, Cl. 310-49.00R.
- Hayashida, John P.; and Bowman, Roger P., to Canada, Her Majesty the Queen in right of. Portable emergency shelter. 4,872,470, 10-10-89, Cl. 135-97.000.
- Hayashida, Michiya: *See—*
  - Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.
- Hayashida, Mitsuharu; Sasaki, Kazuo; Yasui, Nobusige; and Takahashi, Eiji, to Mikasa Sangyo Kabushiki Kaisha; and Jujo Paper Co., Ltd. Opening/closing device for a mouth of a container and process for making the same. 4,801,037, 1-31-89, Cl. 220-259.000.
- Hayashida, Nobuyuki: *See—*
  - Noto, Hiroshi; Hayashida, Nobuyuki; Kojima, Taketoshi; Ito, Makoto; and Kambayashi, Osamu, 4,885,580, Cl. 341-23.000.
- Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, to Hitachi Chemical Company, Ltd.; and Hitachi, Ltd. Electrophotographic plate by use of metal naphthalocyanine derivative. 4,886,721, 12-12-89, Cl. 430-59.000.
- Hayashida, Shigeru: *See—*
  - Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, 4,833,264, Cl. 558-416.000.
  - Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, 4,842,970, Cl. 430-58.000.
- Hayashida, Tetsuya: *See—*
  - Homma, Noriyuki; Nakamura, Tohru; Nakazato, Kazuo; Matsumoto, Motoaki; Hayashida, Tetsuya; Kubo, Masaharu; and Sagara, Kazuhiko, 4,858,184, Cl. 365-174.000.
  - Nakamura, Tohru; Nakazato, Kazuo; Homma, Noriyuki; Sagara, Kazuhiko; Shiba, Takeo; Kure, Tokuo; and Hayashida, Tetsuya, 4,812,894, Cl. 357-55.000.
  - Washio, Katsuyoshi; Nakamura, Tohru; Nakazato, Kazuo; Horichi, Masatada; and Hayashida, Tetsuya, 4,887,145, Cl. 357-59.000.
  - Yamanaka, Toshiaki; Sakai, Yoshio; Hayashida, Tetsuya; Minato, Osamu; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,805,147, Cl. 365-154.000.
- Hayashida, Yasumasa: *See—*
  - Fukushima, Takuo; Hayashida, Yasumasa; and Omi, Jinichi, 4,816,509, Cl. 524-413.000.
  - Ogou, Sunoo; Ishii, Shigemichi; Tagomori, Sadaaki; Fukushima, Takuo; and Hayashida, Yasumasa, 4,889,312, Cl. 249-216.000.
- Hayasi, Yosio: *See—*
  - Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
- Hayata, Terunobu: *See—*
  - Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, 4,857,499, Cl. 502-326.000.

- Hayatdavoudi, Asadoallah, to Premiere Casing Services, Inc. Slip construction for supporting tubular members. 4,823,919, 4-25-89, Cl. 188-67.000.
- Hayatdavoudi, Asadollah, to University of Southwestern Louisiana, The. Removal of rock cuttings while drilling utilizing an automatically adjustable shaker system. 4,809,791, 3-7-89, Cl. 175-40.000.
- Hayati, Samad A., to California Institute of Technology. Method and apparatus for hybrid position/force control of multi-arm cooperating robots. 4,826,392, 5-2-89, Cl. 414-730.000.
- Hayatsu, Kazuo: *See—*
  - Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; Takao, Seiji; and Takagi, Jun, 4,865,790, Cl. 264-131.000.
  - Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; and Takao, Seiji, 4,871,501, Cl. 264-211.220.
- Hayauchi, Yutaka: *See—*
  - Lockhoff, Oswald; Hayauchi, Yutaka; Stadler, Peter; Stunkel, Klaus G.; Streissle, Gert; Paessens, Arnold; Klimetzek, Volker; Zeiler, Hans-Joachim; Metzger, Karl G.; Kroll, Hein-Peter; Brunner, Helmut; and Schaller, Klaus, 4,855,283, Cl. 514-8.000.
- Hayden, Earl E., to Shell Oil Company. Polyolefin compositions for water pipes and for wire and cable coatings. 4,812,500, 3-14-89, Cl. 524-99.000.
- Hayden, James T. Electrically lighted leash. 4,887,552, 12-19-89, Cl. 119-109.000.
- Hayden, John A.; Chidlaw, Robert H.; and Muha, Ralph J., to Kurzweil Music Systems, Inc. Electronic musical instrument using addition of independent partials with digital data bit truncation. 4,833,963, 5-30-89, Cl. 84-1.220.
- Hayden, Joseph H.: *See—*
  - Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., 4,883,244, Cl. 244-171.000.
- Hayden, L. M., to Unisys Corporation. Capillary non-linear optical waveguide device. 4,887,884, 12-19-89, Cl. 350-96.290.
- Hayden, Leonard A.; and Bales, Robert W., to Tektronix, Inc. Step transition time reduction for filtered oscillators. 4,827,227, 5-2-89, Cl. 331-179.000.
- Hayden, Owen: *See—*
  - Firth, George F.; and Hayden, Owen, 4,836,274, Cl. 165-11.100.
- Hayden, Percy, to Imperial Chemical Industries PLC. Process for the preparation of a catalyst for the production of alkylene oxides. 4,810,689, 3-7-89, Cl. 502-347.000.
- Hayden, Percy, to Imperial Chemical Industries PLC. Production of ethylene oxide. 4,822,900, 4-18-89, Cl. 549-534.000.
- Hayden, Percy, to Imperial Chemical Industries PLC. Process for improving the performance of a catalyst for the production of alkylene oxides. 4,837,194, 6-6-89, Cl. 502-348.000.
- Hayden, Richard F.: *See—*
  - Stahl, Julia A.; and Hayden, Richard F., 4,847,127, Cl. 428-61.000.
- Hayden, Ronald G.: *See—*
  - Bryant, James G.; and Hayden, Ronald G., 4,819,417, Cl. 56-202.000.
- Hayden, Steven M. Method and apparatus for extravascular treatment of red blood cells. 4,820,260, 4-11-89, Cl. 604-4.000.
- Hayden, Thomas: *See—*
  - Sung, Rodney L.; Hayden, Thomas; Caggiano, Michael A.; and Behrens, Milton D., 4,852,993, Cl. 44-62.000.
- Haydock, Joseph P. Trunk organizer. 4,838,745, 6-13-89, Cl. 410-121.000.
- Haydon, John S.: *See—*
  - Wood, John H.; and Haydon, John S., 4,810,467, Cl. 420-448.000.
- Haydon, Robert, to Southwestern Bell Telephone Company. Method of identifying the disposition of plug-in units at a warehouse. 4,889,977, 12-26-89, Cl. 235-375.000.
- Haydon, Susen J., to Interpat Ltd. Collapsible cleaning implement. 4,799,283, 1-24-89, Cl. 15-229.100.
- Haydu, Bartley A., to General Motors Corporation. Retainer for replaceable headlamp bulb. 4,829,408, 5-9-89, Cl. 362-61.000.
- Haydu, Bartley A.: *See—*
  - Liverance, Martin K.; McMahan, David R.; and Haydu, Bartley A., 4,882,660, Cl. 362-226.000.
- Haydu, Juan: *See—*
  - Sullivan, Thomas E.; and Haydu, Juan, 4,859,300, Cl. 204-164.000.
- Hayek, George W.; Brown, Amos J.; Hamblin, John R.; and Robinson, Donald M., to Belshaw Bros., Inc. Burner system. 4,858,592, 8-22-89, Cl. 126-373.000.
- Hayek, Zamir. Ventilator apparatus and fluid control valve. 4,815,452, 3-28-89, Cl. 128-302.000.
- Hayes, Alia S. Multiple-purpose scarf. 4,870,707, 10-3-89, Cl. 2-207.000.
- Hayes, Allen L. Speculum protector. 4,807,600, 2-28-89, Cl. 128-17.000.
- Hayes, Cecil: *See—*
  - Snowball, Malcolm R.; and Hayes, Cecil, 4,825,758, Cl. 99-282.000.
- Hayes, Cecil E., to General Electric Company. Apparatus and method for enhanced multiple coil nuclear magnetic resonance (NMR) imaging. 4,885,541, 12-5-89, Cl. 324-322.000.
- Hayes, Cecil E.: *See—*
  - Roemer, Peter B.; Edelstein, William A.; Hayes, Cecil E.; and Eash, Matthew G., 4,887,039, Cl. 324-322.000.
- Hayes, Charles F., Jr., to Hayes Machine Company, Inc. Method and apparatus for cartoning loose media. 4,815,257, 3-28-89, Cl. 53-473.000.
- Hayes, Charles L., to Hayes Technology. Joystick with spring disconnect. 4,857,881, 8-15-89, Cl. 338-128.000.
- Hayes, David F.: *See—*
  - Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Helm, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, 4,829,554, Cl. 379-58.000.
- Hayes, Deborah E.; Weissberg, Alan B.; Friedlander, Charles B.; and Ryan, Edward T., to PPG Industries, Inc. Mirror protective composition comprising 2-mercaptothiazoline. 4,880,668, 11-14-89, Cl. 427-162.000.
- Hayes, Donald J., to Microfab Technologies, Inc. Method and apparatus for serializing printed circuit boards and flex circuits. 4,853,317, 8-1-89, Cl. 430-318.000.
- Hayes, Donald J.; Wallace, David B.; Verlee, Donald J.; and Houseman, Kenneth R., to Abbott Laboratories. Apparatus and process for reagent fluid dispensing and printing. 4,877,745, 10-31-89, Cl. 436-166.000.
- Hayes, Earl J.; and VanDerStuyf, Allen F., to AMP Incorporated. Probeable sealed connector. 4,810,208, 3-7-89, Cl. 439-589.000.
- Hayes, Earl J.; and Ortega, Jose L., to AMP Incorporated. Quick disconnect smart connector. 4,846,701, 7-11-89, Cl. 439-620.000.
- Hayes, Ernest B., to Cigarette Components Limited. Ventilated cigarette filter. 4,807,647, 2-28-89, Cl. 131-336.000.
- Hayes, Frank M.: *See—*
  - Rorick, Donald E.; Hayes, Frank M.; and Aspy, Robert O., 4,856,731, Cl. 242-158.00R.
- Hayes, George W., Jr. Spill-proof lid. 4,795,052, 1-3-89, Cl. 220-90.400.
- Hayes Industrial Brake, Inc.: *See—*
  - Buckley, James A. V.; and Prusak, Allan E., 4,850,241, Cl. 74-502.200.
  - Buckley, James A. V.; Brown, Donald D.; and Metzelfeld, Glenn S., 4,878,567, Cl. 192-18.00R.
  - Metzelfeld, Glenn S.; Buckely, James A. V.; and Brown, Donald D., 4,878,346, Cl. 60-588.000.
- Hayes, James A.; and Davies, John T. Low pressure chemical vapor deposition furnace [illegible] a clean apparatus. 4,795,880, 1-3-89, Cl. 219-121.520.
- Hayes, James C., III. Collapsible tower for ATVs. 4,800,986, 1-31-89, Cl. 182-18.000.
- Hayes, James K. Trash bin cart and bin assembly. 4,821,903, 4-18-89, Cl. 220-1.00T.
- Hayes, James K., to Combustion Engineering, Inc. Multiple tube steam dryer for moisture separator reheater. 4,856,461, 8-15-89, Cl. 122-488.000.
- Hayes, James K.: *See—*
  - Crick, David L.; and Hayes, James K., 4,874,041, Cl. 165-162.000.
- Hayes, Jaye B. Ski boot and sport shoe assembly. 4,879,822, 11-14-89, Cl. 36-119.000.
- Hayes, John B.; and Armstrong, Douglas L., to Professional Training Systems, Inc. Dedicated programmable controller for interactive video disc system. 4,855,842, 8-8-89, Cl. 358-342.000.
- Hayes, John B., to Wyko Corporation. Compact micromotion translator. 4,884,003, 11-28-89, Cl. 310-328.000.
- Hayes, John E.: *See—*
  - Gastinger, Robert G.; and Hayes, John E., 4,837,246, Cl. 521-137.000.
  - Gastinger, Robert G.; and Hayes, John E., 4,837,247, Cl. 521-137.000.
  - Gastinger, Robert G.; and Hayes, John E., 4,837,263, Cl. 524-377.000.
  - Gastinger, Robert G.; and Hayes, John E., 4,85[illegible],330, Cl. 521-137.000.
- Hayes, John G.: *See—*
  - Henze, Christopher P.; Mohan, Ned; and Hayes, John G., 4,855,888, Cl. 363-17.000.
- Hayes, Joseph F.; and Holmes, Warwick H. Helmholtz resonant simulator. 4,819,537, 4-11-89, Cl. 84-1.110.
- Hayes, Leonard E. Pocket calculator holder. 4,801,059, 1-31-89, Cl. 224-240.000.
- Hayes, Leonard L. Continuously moving lathe knife. 4,796,681, 1-10-89, Cl. 144-212.000.
- Hayes Machine Company, Inc.: *See—*
  - Hayes, Charles F., Jr., 4,815,257, Cl. 53-473.000.
- Hayes, Mark B.; and Scanlon, Daniel, to Cusolar Industries, Inc. Completely sealed fuel filter and method of making same. 4,853,123, 8-1-89, Cl. 210-316.000.
- Hayes, Michael E.; Hrebenar, Kevin R.; Murphy, Patricia L.; Futch Jr., Laurence E.; Deal III, James F.; and Bolden Jr., Paul L., to Petroleum Fermentations N. V. Bioemulsifier stabilized hydrocarbosols. 4,821,757, 4-18-89, Cl. 137-13.000.
- Hayes, Michael E., to Union Camp Corporation. Polyamide resin dispersions and method for the manufacture thereof. 4,853,421, 8-1-89, Cl. 523-223.000.
- Hayes, Michael E., to Petroleum Fermentations N.V. Bioemulsified-containing personal core products for topical application to dermopathologic conditions of the skin and scalp. 4,870,010, 9-26-89, Cl. 424-114.000.
- Hayes, Michael E.; Hrebenar, Kevin R.; Minor, Jennifer L.; and Woodworth, Lawrence M., to Petroleum Fermentations N.V. Method for reducing sox emissions during the combustion of sulfur-containing combustible compositions. 4,886,519, 12-12-89, Cl. 44-51.000.
- Hayes, Michael E., to Union Camp Corporation. Polyamide resin dispersions and method for the manufacture thereof. 4,886,844, 12-12-89, Cl. 523-223.000.
- Hayes, Michael L. Protecting bodies during transit. 4,885,811, 12-12-89, Cl. 5-82.00R.
- Hayes Microcomputer Products, Inc.: *See—*
  - Bhargava, Vikram; and Heberling, James R., 4,855,873, Cl. 361-424.000.

Bhargava, Vikram; and Heberling James R., 4,857,378, Cl. 428-99.000.
Bhargava, Vikram; and Heberling, James R., 4,873,394, Cl. 174-35.00R.
Copeland, John A., III, 4,862,167, Cl. 341-107.000.
Correa, German E.; and Correa, Cynthia J., 4,808,937, Cl. 328-155.000.
Dittakavi, Ashok; Richards, Robert L.; and Halim, Raouf, 4,852,151, Cl. 379-97.000.
Duncanson, Jay P.; and Speckenbach, Stephen J., 4,884,269, Cl. 370-110.100.
Easley, Matthew F.; Correa, German E.; Nash, Randy D.; Panella, Cynthia A.; and Tjahjadi, Taruna, 4,849,703, Cl. 328-63.000.
Heberling, James R.; Hicks, Mark; and Watts, Nancy, 4,840,286, Cl. 220-306.000.
Kraul, Douglas R.; and Cox, Stuart A., 4,852,045, Cl. 364-900.000.
Muller, Peter H.; Lowe, Peter E.; Edwards, Peter R.; and Harris, Samuel W., 4,861,276, Cl. 439-365.000.
Muller, Peter H.; Lowe, Peter E.; Bleske, Randy J.; Bhargava, Vikram; Heberling, James R.; and Muntner, Donald A., 4,866,215, Cl. 174-50.000.
Speckenbach, Stephen J., 4,885,758, Cl. 375-118.000.
Tjahjadi, Taruna; Panella, Cynthia A.; Easley, Matthew F.; Nash, Randy D.; Sweitzer, Steven R.; Martin, John N.; Correa, German E.; and Thomas, George R., 4,868,864, Cl. 379-98.000.
Hayes-Pankhurst, Richard P.; and Smith, Brian D., to Key Innovations Limited. Switches and keyboards. 4,839,474, 6-13-89, Cl. 200-5.00A.
Hayes, Paul C., Jr.; and Anderson, Steven D., to United States of America, Air Force. Hydrocarbon group-type analyzer system. 4,802,986, 2-7-89, Cl. 210-635.000.
Hayes, Paul C., Jr.; and Anderson, Steven D., to United States of America, Air Force. Hydrocarbon group-type analyzer system. 4,826,603, 5-2-89, Cl. 210-635.000.
Hayes, Paul C. Jr.; and Anderson, Steven D. Hydrocarbon group-type analyzer system. 4,851,355, 7-25-89, Cl. 436-140.000.
Hayes, Peter C.: *See—*
Ferguson, Loreen D.; Hayes, Peter C.; and Macas, Tadas S., 4,808,633, Cl. 521-63.000.
Ferguson, Loreen D.; Hayes, Peter C.; and Macas, Tadas S., 4,826,881, Cl. 521-55.000.
Hayes, Peter F., to Omniverse Research, Inc. MIG welder attachment for an electric hand drill. 4,801,780, 1-31-89, Cl. 219-130.100.
Hayes, Raymond; and Heidtmann, Denis L., to Tektronix, Inc. Electrode structure for a corner turn in a series-parallel-series charge coupled device. 4,862,235, 8-29-89, Cl. 357-24.000.
Hayes, Richard A., to Du Pont de Nemours, E. I., and Company. Polyimide gas separation membranes. 4,838,900, 6-13-89, Cl. 55-16.000.
Hayes, Richard A., to Du Pont de Nemours, E. I., and Company. Highly soluble aromatic polyimides. 4,851,505, 7-25-89, Cl. 528-353.000.
Hayes, Richard A., to Du Pont de Nemours, E. I., and Company. Polyimide gas separation membranes. 4,880,442, 11-14-89, Cl. 55-16.000.
Hayes, Richard A.: *See—*
Ekiner, Okan M.; Hayes, Richard A.; and Manos, Philip, 4,863,496, Cl. 55-158.000.
Hayes, Richard H., to Eagle-Picher Industries, Inc. Automatic load-wheel cleaner. 4,885,936, 12-12-89, Cl. 73-146.000.
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Jennings, William B.; Thompson, John; and Hayes, Richmond S., Jr., 4,811,570, Cl. 62-263.000.
Hayes, Scott L., to Goex, Inc. Shaped charge. 4,881,445, 11-21-89, Cl. 89-1.150.
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Hancock, Michael P.; and Hayes, Scott L., 4,852,495, Cl. 102-306.000.
Hancock, Michael P.; and Hayes, Scott L., 4,885,993, Cl. 102-307.000.
Hayes, Stanley K., to Ransburg Corporation. Powder recovery system. 4,852,513, 8-1-89, Cl. 118-326.000.
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Hayes, Charles L., 4,857,881, Cl. 338-128.000.
Hayes, Thomas H.; and Lo Maglio, Lewis C., to Anchor Hocking Corporation. Pump dispenser package. 4,836,423, 6-6-89, Cl. 222-257.000.
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Antoni, Patricia A.; Arneson, Theodore R.; Hayes, Thomas J.; Nolan, Timothy J.; and Stapleton, Marilyn, 4,863,058, Cl. 220-72.000.
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Hayes, William J.; Matrone, Harry A.; and Johnson, Philip D., to Textron, Inc. Process of making an austempered ductile iron article. 4,880,477, 11-14-89, Cl. 148-141.000.
Hayes, William J. Computer air filter device and method. 4,889,542, 12-26-89, Cl. 55-97.000.
Hayes, William K.: *See—*
Boyer, Billy G.; Nelson, Lloyd M.; Soucie, Wayne L.; and Hayes, William K., 4,872,533, Cl. 188-2.00D.
Hayes, William R.; and Shea, Allan K., to White Consolidated Industries, Inc. Metallic seal for high performance butterfly valve. 4,796,857, 1-10-89, Cl. 251-173.000.

Hayes, William V. Air purification apparatus including high temperature regenerated adsorbent particles. 4,863,494, 9-5-89, Cl. 55-59.000.
Hayes, Wilson C.: *See—*
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House, Larry J.; Mank, James F.; Pettenski, Thomas A.; Williams, William J.; and Hayford, Donald T., 4,843,884, Cl. 73-622.000.
Hayford, Michael J.; and Koch, Donald G., to Honeywell Inc. Optical arrangement. 4,854,688, 8-8-89, Cl. 350-571.000.
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Haylock, John C.: *See—*
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Hayman, David F.; Brodie, Alastair C.; and Procopiou, Panayiotis A., to Glaxo Group Limited. Process for preparing heterocyclic compounds. 4,837,336, 6-6-89, Cl. 548-430.000.
Hayman, Dennis J.; and Pearce, David M., to United States Brass Corporation. Pop-up drain assembly for lavatory basins. 4,807,306, 2-28-89, Cl. 4-203.000.
Hayman, Edward G.: *See—*
Rudslahti, Eric I.; Hayman, Edward G.; and Pierschbacher, Michael D., 4,879,237, Cl. 435-240.200.
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Hayner, Roger E., to Ashland Oil, Inc. Wax, sulfonate, dispersing oil sepiolite clay compositions for protective soft coatings. 4,842,9 6-27-89, Cl. 427-428.000.
Haynes, Charles W.; and Pitts, Adrian E., to Cooper Industries, Inc. Rotor assembly for power tong. 4,827,808, 5-9-89, Cl. 81-57.180.
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Hefner, Robert E., Jr.; and Haynes, Deborah I., 4,835,228, Cl. 525-524.000.
Haynes, Denver J.: *See—*
Brunton, Ellis W.; Haynes, Denver J.; and Ross, William M., Jr., 4,798,737, Cl. 426-602.000.
Haynes, Douglas G., Jr., to Minnesota Mining and Manufacturing Company. Alumina bonded abrasive for cast iron. 4,800,685, 1-31-89, Cl. 51-281.00R.
Haynes, Douglas G., Jr., to Minnesota Mining and Manufacturing Company. Alumina bonded abrasive for cast iron. 4,883,501, 11-28-89, Cl. 51-309.000.
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Rothman, Michael F.; and Tawancy, Hani M., 4,818,486, Cl. 420-442.000.
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Haynes, James B. Sight glass for observing lubricant in the lower gearcase of marine engines. 4,803,876, 2-14-89, Cl. 73-334.000.
Haynes, Joel E. Fluid flow sensor. 4,802,362, 2-7-89, Cl. 73-249.000.
Haynes, John B. Cornea-borne image and light display device 4,871,247, 10-3-89, Cl. 351-219.000.
Haynes, John L.; and Mansour, James D., to Becton, Dickinson and Company. Antimicrobial surfaces and inhibition of microorganism growth thereby. 4,886,505, 12-12-89, Cl. 604-265.000.
Haynes, John S., to Gilbarco, Inc. Tank sonic gauging system and methods. 4,805,453, 2-21-89, Cl. 73-292.000.
Haynes, Kenneth A. Game apparatus. 4,877,245, 10-31-89, Cl. 273-110.000.
Haynes, Michael D.; Stuck, Robert A.; and Wilson, Robert H., to Amoco Corporation. Pumped hydrocyclone backpressure control. 4,844,812, 7-4-89, Cl. 210-741.000.
Haynes, Patrick R., Jr.: *See—*
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Haynes, Ralph G., to Davy McKee (Sheffield) Limited. Roll change arrangement for beam mill stand. 4,823,584, 4-25-89, Cl. 72-225.000.
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Mims, Donald S.; Huang, Wann-Sheng; and Haynes, Stewart, 4,850,429, Cl. 166-245.000.
Haynes, William E., to United States of America, Air Force. Fluid lock. 4,828,207, 5-9-89, Cl. 244-158.00R.

Haynie, Carl R.; Gipson, Kirk P.; and Nichols, Gary H. Computer monitor vertical sweep generator having frequency independent height control and "S" waveform correction. 4,887,011, 12-12-89, Cl. 315-403.000.
Haynie, Robert L.: *See—*
Wilson, Jon C.; Shick, David A.; Haynie, Robert L.; Wilder, Donald R.; Zimmerman, Larry D.; LeCour, Richard M.; and Guzy, D. James, 4,841,526, Cl. 371-32.000.
Haynie, Robert N., to Federal-Mogul Corporation. Method of making a bi-directional wear sleeve. 4,856,235, 8-15-89, Cl. 51-289.00R.
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Hays, Bill J. Heat puck for clutches and flywheels. 4,830,164, 5-16-89, Cl. 192-107.00R.
Hays, Brian; and Taylor, Clive. Piling hammer. 4,802,538, 2-7-89, Cl. 173-1.000.
Hays, Dan A.; Wayman, William H.; and Bolte, Steven B., to Xerox Corporation. Scavengeless development apparatus for use in highlight color imaging. 4,868,600, 9-19-89, Cl. 355-259.000.
Hays, Dan A., to Xerox Corporation. Printing apparatus including apparatus and method for charging and metering toner particles. 4,876,575, 10-24-89, Cl. 355-259.000.
Hays, George E.; Nielsen, Richard H.; Bowen, Chester O.; and Holland, Floyd H., to Phillips Petroleum Company. Catalytic cracking process. 4,800,014, 1-24-89, Cl. 208-157.000.
Hays, George F., to Ashland Oil, Inc. Apparatus for failsafe metering of a fluid. 4,886,090, 12-12-89, Cl. 137-624.110.
Hays, Jean-Francois; Legrand, Pierre; Verna, Eric; Delzenne, Michel; Reynaud, Bernard; and Gaillard, Pierre, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for striking an arc in electric welding and welding torch employing said process. 4,855,566, 8-8-89, Cl. 219-130.400.
Haysom, Elbert M. Method for use in the training and warming-up of baseball pitchers. 4,846,471, 7-11-89, Cl. 273-26.00E.
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Kovacs, Lloyd; and Lind, Matthew R., 4,815,253, Cl. 53-436.000.
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Hayward Industries, Inc.: *See—*
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Hayward, Jack; Reafler, Gerald G.; and Schuler, James R., to Eastman Kodak Company. Coating process. 4,832,991, 5-23-89, Cl. 427-393.500.
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Hayward, James; and Brown, Candice H., to Advanced Micro Devices, Inc. Integrated circuit lead frame assembly containing voltage bussing and distribution to an integrated circuit die using tape automated bonding with two metal layers. 4,801,999, 1-31-89, Cl. 357-70.000.
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Leong, Merlin L.; Hayward, John S.; and Fox, Glyn R., 4,863,689, Cl. 422-52.000.
Hayward, Marshall; and Schmid, Jean, to American Home Products Corporation. Inhibition of bone loss by (−)-N-[[(5-chloro-2-benzothiazolyl)thio]phenylacetyl]-L-cysteine. 4,866,082, 9-12-89, Cl. 514-367.000.
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Hayward, Walter. Emergency light system. 4,858,082, 8-15-89, Cl. 362-74.000.
Hayward, William C., to Northrop Corporation. Method and apparatus for MOSFET radiation failure circumvention. 4,800,299, 1-24-89, Cl. 307-308.000.
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Steers, Michel; Delmas, Gilles; and Hazan, Jean-Pierre, 4,870,235, Cl. 219-10.55B.
Steers, Michel; Hazan, Jean-Pierre; and Delmas, Gilles, 4,871,891, Cl. 219-10.55B.
Hazani, Emanuel. E^2 prom cell including isolated control diffusion. 4,845,[illegible]8, 7-4-89, Cl. 357-23.500.
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Miller, Adam C.; Hazar, Mitchell M.; and Harvey, William G., 4,797,208, Cl. 210-606.000.
Hazard, Gary M., to N.H.C., Inc. Low emissions wood burning stove. 4,862,869, 9-5-89, Cl. 126-77.000.
Hazard, James T. Face shield device. 4,859,184, 8-22-89, Cl. 433-136.000.
Hazard, James T. Toilet seat handle of unitary construction. 4,875,251, 10-24-89, Cl. 16-111.00R.
Hazard, Michel, to Bull, S.A. Method and system for diversification of a basic key and for authentication of a thus-diversified key. 4,811,393, 3-7-89, Cl. 380-21.000.
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Hazbun, Edward A., to ARCO Chemical Technology, Inc. Ceramic membrane and use thereof for hydrocarbon conversion. 4,827,071, 5-2-89, Cl. 585-443.000.
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Hazebrook, Daniel W.; and Wagner, Jurgen, to GKN Automotive Components, Inc. Constant velocity joint cage and method for making same. 4,846,764, 7-11-89, Cl. 464-145.000.
Hazebrook, Daniel W., to GKN Automotive, Inc. Linear response limited slip differential. 4,869,129, 9-26-89, Cl. 74-711.000.
Hazebrouck, Henry B.; and Castagna, Joseph T., to Priam Corporation. Head arm damping device for disc drive actuators. 4,843,503, 6-27-89, Cl. 360-106.000.
Hazebrouck, Henry B., to Ampex Corporation. Bimorph actuator for a disk drive. 4,858,040, 8-15-89, Cl. 360-78.050.
Hazebrouck, Henry B., to Priam Corporation. Latch mechanism for rotary actuator and the like. 4,881,139, 11-14-89, Cl. 360-105.000.
Hazel, Robert L.; and Chan, Gilbert Y. H., to Burroughs Corporation. Laser optical memory system having beam combining and separating apparatus for combining and separating reading and writing laser beams. 4,888,759, 12-19-89, Cl. 369-110.000.
Hazelett, S. Richard; Bender, Bernhard; and Savage, John V., to Hazelett, S. Richard. Improved hitch and suspension for one-wheel cycle trailers. 4,883,283, 11-28-89, Cl. 280-204.000.
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Frazita, Richard F.; and Feldman, Paul H., 4,837,580, Cl. 342-374.000.
Lambert, Eric M.; Beck, William C.; and Wilson, James R., 4,850,915, Cl. 441-21.000.
La Rosa, Richard; and Marynowski, Thomas J., 4,870,312, Cl. 310-313.00B.
Lopez, Alfred R., 4,876,548, Cl. 342-368.000.
Loughlin, Bernard D., 4,879,757, Cl. 455-182.000.
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Roelofs, Darrell D.; Lopez, Alfred R.; and Doris, Kenneth R., 4,823,127, Cl. 340-947.000.

Hazelton, Donald; and Puydak, Robert C., to Exxon Research & Engineering Company. Dynamically cured thermoplastic olefin polymers. 4,851,468, 7-25-89, Cl. 524-519.000.

Hazelton, Donald R.; and Hodgson, William J., Jr., to Exxon Chemical Patents Inc. Melt blown nonwoven web from fiber comprising an elastomer. 4,804,577, 2-14-89, Cl. 428-224.000.

Hazelton, Donald R.; Puydak, Robert C.; and Booth, D. A., to Exxon Research & Engineering Company. Dynamically cured thermoplastic olefin polymers. 4,845,145, 7-4-89, Cl. 524-426.000.

Hazelton, Donald R.; and Shulman, Cindy B., to Exxon Chemical Patents Inc. Clear barrier composites containing polyisobutylene/-polyolefin alloy components. 4,857,409, 8-15-89, Cl. 428-494.000.

Hazelton, Donald R.; and Hodgson, William J., Jr., to Exxon Chemical Patents, Inc. Melt blown nonwoven web from fiber comprising an elastomer. 4,874,447, 10-17-89, Cl. 156-167.000.

Hazelton, Donald R.; Laurent, Douglas J.; Locke, Lawrence K.; and Hodgson, William J., Jr., to Exxon Chemical Patents Inc. Low gloss film and process of manufacture (FP 1323). 4,880,682, 11-14-89, Cl. 428-152.000.

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Arlington, David L.; Cole, Jacqueline M.; Hazelzet, Bruce G.; Krolak, David J.; Li, Hehching H.; Oza, Bharat J.; and Weaver, A. Frank, 4,888,773, Cl. 371-40.200.

Hazen, James L.; Frank, Rudolf H. A.; Zorner, Paul S.; and Campbell, James R., to BASF Corporation. Antagonism defeating crop oil concentrates 4,834,908, 5-30-89, Cl. 252-356.000.

Hazenbroek, Jacobus E. Hinged poultry defeathering apparatus. 4,884,318, 12-5-89, Cl. 17-11.10R.

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Hazleton Environmental Products Inc.: *See—*

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Hazlett, Randy D., to Mobil Oil Corporation. Chemical blowing agents for improved sweep efficiency. 4,813,484, 3-21-89, Cl. 166-270.000.

Hazlett, Randy D.; and Shu, Paul, to Mobil Oil Corp. Amino resin modified xanthan polymer foamed with a chemical blowing agent. 4,830,108, 5-16-89, Cl. 166-270.000.

Hazlett, Randy D.; and Strom, E. Thomas, to Mobil Oil Corporation. In-situ foaming of polymer profile control gels. 4,844,163, 7-4-89, Cl. 166-270.000.

Hazlett, Randy D., to Mobil Oil Corp. Use of alkali metal silicate foam with a chemical blowing agent. 4,848,465, 7-18-89, Cl. 166-270.000.

Hazlett, Randy D.; and Uhri, Duane C., to Mobil Oil Corp. Enhanced hydraulic fracturing of a shallow subsurface formation. 4,848,468, 7-18-89, Cl. 166-300.000.

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Hazlett, Stephen E. Animal decoy with movable appendage. 4,845,873, 7-11-89, Cl. 43-3.000.

Hazlitt, Lonnie G.; and Moldovan, Daniel G., to Dow Chemical Company, The. High temperature continuous viscometry coupled with analytic temperature rising elution fractionation for evaluating crystalline and semi-crystalline polymers. 4,798,081, 1-17-89, Cl. 73-53.000.

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HC Power, Inc.: *See—*

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HCC Corporation: *See—*

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HCC-EDE B.V.: *See—*

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Heacock, Gregory L.; and Erickson, Phillip J., to Ocular Instruments, Inc. Slit lamp attachment. 4,801,198, 1-31-89, Cl. 351-214.000.

Heacock, Stephanie. Bag holder. 4,805,969, 2-21-89, Cl. 312-50.000.

Head, Claude D., III, to Texas Instruments Incorporated. Segmented asynchronous operation of an automated assembly line. 4,884,674, 12-5-89, Cl. 198-341.000.

Head, Henry O. Upper torso support. 4,834,457, 5-30-89, Cl. 297-411.000.

Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., to BMI, Inc. Method and apparatus for relining blast furnace. 4,875,662, 10-24-89, Cl. 266-44.000.

Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L. Method and apparatus for relining a refractory lined vessel. 4,880,211, 11-14-89, Cl. 266-44.000.

Head, John C.: *See—*

Rowson, Graham P.; Head, John C.; Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; and Rees, Richard, 4,889,553, Cl. 71-92.000.

Head & Johnson: *See—*

Turner, William C., 4,869,422, Cl. 228-186.000.

Head, Michael J. Salinity measuring system. 4,833,413, 5-23-89, Cl. 324-449.000.

Head, Richard M. Art form and method of producing same. 4,885,193, 12-5-89, Cl. 428-14.000.

Head, Robert A., Cowan, Robert L.; and Law, Robert J., to General Electric Company. Method and apparatus for obtaining a water sample from the core of a boiling water reactor. 4,882,122, 11-21-89, Cl. 376-245.000.

Headley, Philip M.: *See—*

Spadafora, Peter J.; Headley, Philip M.; Lee, Alan J.; and Henberger, Jill G., 4,824,184, Cl. 303-100.000.

Headley, Thomas D.: *See—*

Stacey, Gary R.; Verkaart, Wesley H.; Headley, Thomas D.; and Powers, Edward T., 4,795,448, Cl. 604-319.000.

Headrick, Stephen E.; and Hill, Roger L., to USBI Booster Production Company, Inc. Trowelable ablative coating composition and method of use. 4,837,250, 6-6-89, Cl. 523-179.000.

Heady, Richard F.: *See—*

Berkin, George; Heady, Richard F.; Clarke, Jeffrey; Raghavan, Asuri; Foran, Raymond; Mayer, Ralph; and Chlebda, Joseph, 4,823,394, Cl. 382-8.000.

Heafield, Joanne; Leslie, Stewart T.; Malkowska, Sandra T. A.; and Neale, Philip J., to Euroceltique S.A. Spheroids. 4,867,985, 9-19-89, Cl. 424-461.000.

Heald, Raymond A., to Fairchild Semiconductor Corporation. Translinear static memory cell with bipolar and MOS devices. 4,821,235, 4-11-89, Cl. 365-177.000.

Healey, Brian J., to California Products Corporation. Decontamination shelter. 4,800,597, 1-31-89, Cl. 4-599.000.

Healey, Peter: *See—*

Faulkner, David W.; and Healey, Peter, 4,815,803, Cl. 350-96.140.

Health & Home Products, Inc.: *See—*

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Health Innovations, Inc.: *See—*

Behar, Albert; Behar, Orna; Frederiksen, Lee W.; Howard-Link, Donald A.; and Timmerman, Catherine, 4,853,854, Cl. 364-413.010.

Health Research, Inc.: *See—*

Almog, Rami; Anderson-Samsonoff, Carol; and Berns, Donald S. 4,839,294, Cl. 436-71.000.

Dougherty, Thomas J.; Potter, William R.; and Weishaupt, Kenneth R., 4,866,168, Cl. 540-145.000.

Dougherty, Thomas J.; Potter, William R.; and Weishaupt, Kenneth R., 4,889,129, Cl. 128-664.000.

O'Connor, Timothy E.; and Dupere, Sherry L., 4,857,314, Cl. 424-85.100.

Turner, James N., 4,812,412, Cl. 436-15.000.

Healthcare Technological Resources, Inc.: *See—*

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HealthPak, Incorporated: *See—*

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Healthscan, Inc.: *See—*

Larson, Douglas A.; and Clanton, Thomas L., 4,854,574, Cl. 272-99.000.

Healux, Inc.: *See—*

Lai, Jan-Ji; Smith, Kevin M.; and McCaul, Bruce W., 4,882,234, Cl. 514-185.000.

Healy, Christopher L.; and Rankin, Ken, to Monier Limited. Composite structures. 4,882,889, 11-28-89, Cl. 52-336.000.

Healy, Dennis: *See—*

Pisciotti, Trudy; and Healy, Dennis, 4,883,381, Cl. 402-74.000.

Healy, Donald B. Torque responsive automatic shifting hub. 4,858,494, 8-22-89, Cl. 74-781.00B.

Healy, Stephen F., Jr.; Rice, Michael L.; and Golick, Martin L., to Coulter Corporation. Control slide for immunoassay kit and method of making same. 4,816,410, 3-28-89, Cl. 436-10.000.

Healy, Thomas P. G.: *See—*

Raab, Anthony R.; Thorpe, William; and Healy, Thomas P. G. 4,864,308, Cl. 342-351.000.

Heaney, Michael B.: *See—*

Hahn, Erwin L.; Clarke, John; Sloater, Tycho; Hilbert, Claude; and Heaney, Michael B., 4,833,392, Cl. 324-57.00R.

Heaney, Richard; and Naslund, Erik I., to Brown & Williamson Tobacco Corporation. Device for making grooves in cigarette filters. 4,883,449, 11-28-89, Cl. 493-43.000.

Heaney, William F.: *See—*

Bellow, Edward J., Jr.; Bixel, John C.; Heaney, William F.; and Yan, Tsoung Y., 4,828,575, Cl. 44-501.000.

Bixel, John C.; Bellow, Edward J.; Heaney, William F.; and Facinelli, Sandra H., 4,828,576, Cl. 44-501.000.

Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., to Energy and Environmental Research Corporation. Methods of removing NO_x and SO_x emissions from combustion systems using nitrogenous compounds. 4,851,201, 7-25-89, Cl. 423-235.000.

Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., to Energy and Environmental Research Corporation. Methods of reducing NO_x and SO_x emissions from combustion systems. 4,861,567, 8-29-89, Cl. 423-235.000.

Heap, Ronald E., to Standard Havens, Inc. Apparatus for mixing asphalt compositions. 4,797,002, 1-10-89, Cl. 366-25.000.

Heaps, Harry D., Jr.; and Boy, Charles E., to Connelly Containers, Inc. Container for fluent material. 4,850,506, 7-25-89, Cl. 220-403.000.

Heard, George E.: *See—*

Patino, Hugo; Heard, George E.; Knudsen, Finn B.; and Gress, H. Stephen, 4,885,184, Cl. 426-592.000.

Heard, James G.: *See—*

Cleeves, James M.; and Heard, James G., 4,883,772, Cl. 437-200.000.

Heard, Maurice C., to General Electric Company, p.l.c., The. Apparatus for amplitude modulating the output of a laser diode or L.E.D. 4,797,640, 1-10-89, Cl. 332-7.510.

Heard, Michael B., to Allied Colloids, Ltd. Polymeric particles, their manufacture and uses. 4,849,484, 7-18-89, Cl. 525-221.000.

Heard, Robert A. H., to Signfix Limited. Mounting for offset sign. 4,801,115, 1-31-89, Cl. 248-219.300.

Hearn, Alan S.: *See—*

Garcia, Virgilio N.; Hearn, Alan S.; and Sparks, Steven E., 4,831,286, Cl. 307-480.000.

Hearst, David T.; and Schneider, Walter M., to AGA Gas Central, Inc. Identification device for a container. 4,827,643, 5-9-89, Cl. 40-306.000.

Heat Technology, Inc.: *See—*

Intlekofer, Michael J.; and Slota, Michael W., 4,858,810, Cl. 226-127.000.

Hearthstone Builders, Inc.: *See—*

Lucas, Gordon H.; and Giles, Randy K., 4,840,003, Cl. 52-233.000.

Lucas, Gordon H.; and Giles, Randy K., 4,871,003, Cl. 144-369.000.

Heartz, Robert A., to General Electric Company. Three dimensional texture generator for computed terrain images. 4,821,212, 4-11-89, Cl. 364-521.000.

Heartz, Robert A., to General Electric Company. Data block processing for fast image generation. 4,855,937, 8-8-89, Cl. 364-521.000.

Heasly, Clyde C., Jr.: *See—*

Edwards, David G.; Finlay, Gerard; Boyle, David J.; Heasly, Clyde C., Jr.; Walsh, Joseph M.; and Poling, Ralph J., 4,802,412, Cl. 101-269.000.

Heat-Fab, Inc.: *See—*

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Heat Transfer Technology Ltd. (Jersey): *See—*

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Heater, J. Courtenay: *See—*

Stefik, Mark J.; and Heater, J. Courtenay, 4,814,552, Cl. 178-18.000.

Heath, Allen W.; Hernandez, Raymond; Hoffman, Virginia M.; Sheppard, Ronald K.; and Stratton, Susan D., to International Business Machines Corporation. Emulation system for automatically modifying I/O translation tables in programs designed to run on different types of computer. 4,858,114, 8-15-89, Cl. 364-200.000.

Heath, Archie D.: *See—*

Hart, Richard A.; Newman, Leon A.; Heath, Archie D.; and Kennedy, John T., 4,807,234, Cl. 372-18.000.

Heath, Bruce A., to IAT Corporation. Container assembly including lower compartment comprising chordal partitions. 4,804,101, 2-14-89, Cl. 220-20.000.

Heath, Chester A.; Jackson, Kevin M.; Judice, Darryl E.; and Pestonji, Hoshang R., to International Business Machines Corporation. Mode conversion of computer commands. 4,890,219, 12-26-89, Cl. 364-200.000.

Heath, Derek E., to Quality Dental Products, Inc. Dental compactor instrument. 4,871,312, 10-3-89, Cl. 433-164.000.

Heath, Douglas C.; Lind, Alan C.; and Schneier, Carol A., to International Business Machines Corp. Simulation of computer program external interfaces. 4,845,665, 7-4-89, Cl. 364-900.000.

Heath, Gary B.; Palsulich, William G.; Manica, Keith J.; and Swan, Jack C., Jr., to Cobe Laboratories, Inc. Apparatus for use with fluid flow transfer device. 4,798,090, 1-17-89, Cl. 73-715.000.

Heath, John S.: *See—*

Hatchett, Michael R.; and Heath, John S., 4,809,102, Cl. 360-98.000.

Heath, Linda S.: *See—*

Iafrate, Gerald J.; Poli, Louis C.; Aucoin, Thomas; and Heath, Linda S., 4,821,093, Cl. 357-22.000.

Heath, Martin R.: *See—*

Bennett, James; Heath, Martin R.; and Foulsham, Peter G., 4,826,104, Cl. 244-3.220.

Heath, Roger L., to DaRox Corporation. Disposable physiological electrode set. 4,834,103, 5-30-89, Cl. 128-798.000.

Heath, Roger L., to DaRox Corporation. Defibrillator electrode system. 4,850,356, 7-25-89, Cl. 128-419.00D.

Heath, Roger L., to DaRox Corporation. Tin-stannous chloride electrode element. 4,852,585, 8-1-89, Cl. 128-798.000.

Heath Tecna Aerospace Co.: *See—*

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Price, James O.; Stewart, Albert J.; and Hasselbrack, Sally A., 4,880,681, Cl. 428-116.000.

Heath, Timothy D.: *See—*

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Heath, William T.; and Byles, William H., to Wen-Don Corporation. Detergent compositions for removing iodine stains. 4,828,569, 5-9-89, Cl. 8-137.000.

Heath, William W.; and Cole, John C. Aircraft carrier simulator and method. 4,854,876, 8-8-89, Cl. 434-29.000.

Heathco, Craig E.: *See—*

Easley, Sydney E.; Heathco, Craig E.; and Smith, Clayton L., 4,860,534, Cl. 60-39.092.

Heathcote, Geoffrey L., to Lucas Industries Public Limited Company. Linear inductive transducer. 4,833,352, 5-23-89, Cl. 310-15.000.

Heathe, William R.; and Pinet, Pierre, to Husky Injection Molding Systems Ltd. Static mixer. 4,848,920, 7-18-89, Cl. 366-339.000.

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Heaton, John C.: *See—*

Kindt-Larsen, Ture; Heaton, John C.; and Rastrelli, Edmund C., 4,889,664, Cl. 264-2.600.

Vaughan, John E.; Smale, David R.; Patry, Bernard; and Heaton, John C., 4,871,886, Cl. 200-43.050.

Heaton, Richard D.: *See—*

Feitz, John F.; Hartings, Michael F.; and Heaton, Richard D., 4,872,018, Cl. 343-742.000.

Heaton, Samuel. Leg exercisers. 4,862,875, 9-5-89, Cl. 128-25.00B.

Heatzig, Eric; Slocum, Alexander; and Thurston-Slocum, Debra, to Advanced Engineering Systems, Operations & Products, Inc. Multiaxis DSP-based parallel processing servo controller for machine tools and robots. 4,878,002, 10-31-89, Cl. 318-568.200.

Heaulme, Michel: *See—*

Wermuth, Camille G.; Schlewer, Gilbert; and Heaulme, Michel, 4,873,243, Cl. 514-248.000.

Heavens, Stephen N.; and Jones, Ivor W., to Chloride Silent Power Limited. Preparing superconducting ceramic materials. 4,810,339, 3-7-89, Cl. 204-180.100.

Heavner, George: *See—*

Audhya, Tapan; Kroon, Daniel J.; Heavner, George; and Goldstein, Gideon, 4,866,121, Cl. 525-54.100.

Heban, Norb A., Jr., to Dana Corporation. Piston. 4,805,518, 2-21-89, Cl. 92-189.000.

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Dart, Peter J.; and Hebber, K. Prakash, 4,798,723, Cl. 424-93.000.

Hebborn, Hans-Gerd: *See—*

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Hebbruggen, Norbert, to EMAG Maschinenfabrik GmbH. Center drive machine. 4,813,311, 3-21-89, Cl. 82-117.000.

Hebda, Thomas J. Picket fence and method of construction. 4,883,256, 11-28-89, Cl. 256-22.000.

Hebeisen, Paul, to Hoffmann-La Roche Inc. Process for producing allyl aminothiazole acetate intermediates. 4,888,429, 12-19-89, Cl. 548-194.000.

Hebel, James B., to Smith International, Inc. Weight-on-bit and torque measuring apparatus. 4,811,597, 3-14-89, Cl. 73-151.000.

Hebeler, Charles B.: *See—*

Banka, Eugene F.; and Hebeler, Charles B., 4,885,650, Cl. 360-122.000.

Hebels, Albert, to Pagendarm Beschichtungstechnik GmbH. Apparatus for threading the leaders of flexible webs in a processing machine. 4,883,209, 11-28-89, Cl. 226-92.000.

Hebels, Albert: *See—*

Pagendarm, Ralph; and Hebels, Albert, 4,805,552, Cl. 118-325.000.

Pagendarm, Ralph; and Hebels, Albert, 4,886,564, Cl. 156-230.000.

Hebenstreit, Ernst, to Siemens Aktiengesellschaft. Circuit arrangement of a self protecting power switch. 4,866,556, 9-12-89, Cl. 361-91.000.

Heber, Klaus, to Daimler-Benz Aktiengesellschaft. Automatic shift device for an epicyclic change-speed gear having means for blocking the engagement of a reverse gear clutch and/or reverse gear brake. 4,811,630, 3-14-89, Cl. 74-752.00A.

Heber, Robert W.: *See—*

Mikus, John P.; Heber, Robert W.; Ward, Thomas A.; and Seiner, Jerome A., 4,808,476, Cl. 428-413.000.

Heberger, Karoly: *See—*

Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso ; Nemes, Istvan; Botar, Laszlo ; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.

Heberle, Hansjorg; and Leicht, Werner, to MTU Motoren- und Turbinen-Union Friedrichshafen GmbH. Lubricating oil channel. 4,869,211, 9-26-89, Cl. 123-41.35C.

Heberlein, Werner: *See—*

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Heberling, James R.; Hicks, Mark; and Watts, Nancy, to Hayes Microcomputer Products, Inc. Equipment enclosure with internal fasteners. 4,840,286, 6-20-89, Cl. 220-306.000.

Heberling, James R.: *See—*

Bhargava, Vikram; and Heberling, James R., 4,855,873, Cl. 361-424.000.

Bhargava, Vikram; and Heberling, James R., 4,857,378, Cl. 428-99.000.

Bhargava, Vikram; and Heberling, James R., 4,873,394, Cl. 174-35.00R.

Muller, Peter H.; Lowe, Peter E.; Bleske, Randy J.; Bhargava, Vikram; Heberling, James R.; and Muntner, Donald A., 4,866,215, Cl. 174-50.000.

Hebert, Gary; and Leone, Stacey. Portable boarding platform. 4,799,447, 1-24-89, Cl. 114-362.000.

Hebert, M. Jacques; and Pauc, M. Gilbert, to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Support intended to mount on the rim an element used for monitoring tires. 4,843,872, 7-4-89, Cl. 73-146.500.

Hebert, Martin E.: *See—*

Gudmundson, Gunnar G.; Hebert, Martin E.; Hadank, Walter R.; Crochetiere, Raymond H.; and Kenyon, Douglas A., 4,821,061, Cl. 355-40.000.

Hebert, Michael R.; and Lauder, Arnold J., to Boeing Company, The. Filament preheat apparatus. 4,797,172, 1-10-89, Cl. 156-425.000.

Hebert, Raymond T., to Micro Video, Inc. Transimpedance amplifier with noise reduction and bandwidth compensation. 4,855,687, 8-8-89, Cl. 330-304.000.

Hebert, Raymond T.; and Conrotto, Paul A., to Micro Video, Inc. Laser scanner with rotating mirror and housing which is transparent to the scanning radiation. 4,870,274, 9-26-89, Cl. 250-236.000.

Hebert, Roland J. Crayfish harvester boat apparatus. 4,872,413, 10-10-89, Cl. 114-270.000.

Hebinck, Carl L. Method for constructing insulated foam homes. 4,823,534, 4-25-89, Cl. 52-743.000.

Hebisch, Siegfried: *See—*

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Hebrard, Denis: *See—*

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Argintaru, Lazare; and Hebrard, Denis, 4,855,691, Cl. 331-172.000.

Hechfellner, Kurt: *See—*

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Hechler, Valentine; and Schwall, Edward A., to Hechler, Valentine. Fluid proportioning and mixing system. 4,832,072, 5-23-89, Cl. 137-99.000.

Hecht, Anton: *See—*

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Hecht, Hans; and Kuhnt, Winfried, to Robert Bosch GmbH. Circuit arrangement for generating an output signal that is nonlinearly dependent on the temperature. 4,873,490, 10-10-89, Cl. 328-3.000.

Hecht, Meinhard; and Rethmann, Werner, to Kabel-und Metallwerke Gutehoffnungshutte AG. Use of oxygen-free copper deoxidized by boron or lithium as material for hollow sections. 4,814,235, 3-21-89, Cl. 428-586.000.

Hecht, Patrick G.: *See—*

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Hechtman, Charles D.; and Kim, Ilyoung, to American Telephone and Telegraph Company. Method and apparatus for sourcing and sinking current. 4,795,920, 1-3-89, Cl. 307-270.000.

Hechtman, Charles D., to American Telephone and Telegraph Company, AT&T Technologies, Inc. High frequency in-circuit test fixture. 4,837,507, 6-6-89, Cl. 324-158.00P.

Heck, Berthold; and Speidel, Joachim, to U.S. Philips Corporation. Digital filter in which linear combinations of powers of two are converted to binary numbers using wallace trees. 4,843,582, 6-27-89, Cl. 364-724.160.

Heck, Dieter; Heise, Hartmut; and Hintzmann, Manfred, to Hoechst Aktiengesellschaft. Process for the preparation of 2,4-dinitrophenyl ethers. 4,847,426, 7-11-89, Cl. 568-587.000.

Heck, Friedrich; and Kapl, Gerhard, to Miba Sintermetall Aktiengesellschaft. Process of manufacturing a substrate provided with a synthetic resin-bonded friction coating. 4,835,013, 5-30-89, Cl. 427-295.000.

Heck, James V.: *See—*

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Heck, Joseph P.; and Le, Kha, to Motorola, Inc. Adaptive correction of DC error transients. 4,829,594, 5-9-89, Cl. 455-334.000.

Heck, Joseph P., to Motorola, Inc. Dual port FM demodulation in phase locked receivers. 4,837,853, 6-6-89, Cl. 455-208.000.

Heck, Joseph P., to Motorola, Inc. Sample-and-hold phase detector for use in a phase locked loop. 4,864,252, 9-5-89, Cl. 331-1.00A.

Heck, Lieselotte: *See—*

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Heck, Michael E., to Phillips Plastics Corporation. Apparatus for supplying and installing plastic expansion rivets. 4,811,881, 3-14-89, Cl. 227-4.000.

Heck, Ronald M.; and Flanagan, Paul, to Engelhard Corporation. Catalytic partial oxidation process. 4,844,837, 7-4-89, Cl. 252-373.000.

Heck, Wolfgang: *See—*

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Heckaman, Douglas E.; Higman, Roger H.; Frisco, Jeffrey A.; and Bajgrowicz, Edward J., to Harris Corporation. Waffleline - configured transmission link. 4,851,793, 7-25-89, Cl. 333-1.000.

Heckaman, Douglas E.; Perkins, Gilbert R.; and Higman, Roger H., to Harris Corporation. Replaceable MMIC chip carrier captured by differential thermal expansion between carrier and support housing 4,890,195, 12-26-89, Cl. 361-386.000.

Heckart, Daniel R.: *See—*

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Heckele, Helmut, to Richard Wolf, GmbH. Laryngoscope for laser treatment. 4,832,004, 5-23-89, Cl. 128-10.000.

Heckele, Helmut, to Richard Wolf GmbH. Endoscope. 4,881,523, 11-21-89, Cl. 128-4.000.

Heckendorf, David W. Bedding plow. 4,867,247, 9-19-89, Cl. 172-573.000.

Hecker, Joel; Stern, Howard; and Heydenburg, Tom, to Robotic Vision Systems, Inc. Three-dimensional volumetric sensor. 4,830,443, 5-16-89, Cl. 350-3.710.

Hecker, Raymond L.: *See—*

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Heckerman, William L.; and Heckerman, Brad B. Harness. 4,827,579, 5-9-89, Cl. 24-265.00A.

Heckhausen, Hermann-Josef: *See—*

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Scharpenberg, Rainer; and Heckhausen, Hermann-Josef, 4,847,037, Cl. 376-245.000.

Heckman, Russell W.; Miller, Robert C.; and Nickey, George A., to Owens-Illinois Glass Container Inc. Preheat oven for glass containers. 4,852,271, 8-1-89, Cl. 34-105.000.

Heckmann, Harald: *See—*

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Heckmann, Johannes; and May, Wolfgang, to Dragerwerk Aktiengesellschaft. Device for detecting gases which must be treated before testing. 4,800,067, 1-24-89, Cl. 422-86.000.

Heckmann, Klaus; Manecke, Georg; Pfannenmuller, Beate; Ring, Klaus; and Ringsdorf, Helmut, to Heckmann, Klaus. Process for the production of hyperfiltration membranes. 4,873,033, 10-10-89, Cl. 264-41.000.

Hecla Mining Company: *See—*

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Hecox, Kurt E.; and Schmitt, Paul A., to Nicolet Instrument Corporation. Microphonic probe tube mounting for real ear measurements 4,813,430, 3-21-89, Cl. 128-746.000.

Hecox, Kurt E.: *See—*

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Hecq, Andre; and Thomas, Jean-Francois, to Glaverbel. Matted glass 4,880,677, 11-14-89, Cl. 428-38.000.

Hecq, Andre, to Glaverbel. Matted glass. 4,882,214, 11-21-89, Cl. 428-141.000.

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Hed, Virgil C., to G.H.C., Inc. Coin-operated vacuum. 4,805,2 2-21-89, Cl. 15-314.000.

Hedaya, Eddie: *See—*

Adolfsen, Robert H.; Hedaya, Eddie; Mak, C. Lam; and Schwarzberg, Moshe, 4,839,276, Cl. 435-7.000.

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Wei, James Y.; and Hedayati, Khosrow, 4,831,577, Cl. 364-757.000.

Hedberg, Bo G., to Telefonaktiebolaget L M Ericsson. Arrangement for compensating errors in a quadrature modulator. 4,890,3 12-26-89, Cl. 375-60.000.

Hedberg, Dave; Hurst, Paul; and Levy, Steve, to Silicon Systems, Inc. Non-coherent pattern detection 4,847,868, 7-11-89, Cl. 375-75.000.

Hedberg, Dave; Cole, Chris; and Levy, Steve, to Silicon Systems, Inc. Method and apparatus for two stage automatic gain control. 4,870,370, 9-26-89, Cl. 330-133.000.

Hedberg, Martha. Suction stylet for endotracheal intubation. 4,865,586, 9-12-89, Cl. 604-93.000.

Hedde, Richard D.: *See—*

Bowie, Betty A.; Hedde, Richard D.; Lindsey, Thomas O.; Newman, David J.; Shearer, Marcia C.; Sitrin, Robert D.; and Valenta, Joseph R., 4,797,280, Cl. 424-118.000.

Heddebaut, Marc; Mainardi, Pierre; Degauque, Pierre; and Duhot, Denis, to Societe Anonyme dite : Alsthom. Identification transponder for use when a vehicle passes a given point. 4,873,531, 10-10-89, Cl. 343-711.000.

Hedden, Jerry C.: *See—*

Gaa, Peter C.; Hedden, Jerry C.; Motsinger, Donald L.; and Watkins, H. Kenyon, 4,810,576, Cl. 428-391.000.

Hedderick, John B.; Rutty, Brian R.; and Walshe, John J., to Arthur Guinness Son and Company (Great Britain) Limited. Fluid pressure control valve and a system which includes such a valve. 4,818,444, 4-4-89, Cl. 261-30.000.

Heddle, Richard W.; and Ruzicka, Herbert R. Stationary pivot mechanism for use with a damper. 4,858,735, 8-22-89, Cl. 188-299.000.

Hedcon, Will. Bowling lane construction. 4,801,143, 1-31-89, Cl. 273-51.000.

Hede, Howard H.: *See—*

Barresi, James A.; Arndt, Kenneth C.; Young, Michael N.; Bridgeham, Daniel O.; and Hede, Howard H., 4,852,504, Cl. 110-346.000.

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Hedenberg, Gunnar, to Heden-Team Aktiengesellschaft. Automatically making food products such as bread, cakes and the like. 4,803,086, 2-7-89, Cl. 426-87.000.

Hedengren, Kristina H. V.: *See—*

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Hedgcoxe, Pat G.; and Zinsmeyer, Charles D., to Gas Research Institute. Robotic pipe crawling device. 4,862,808, 9-5-89, Cl. 104-138.200.

Hedge, Alan: *See—*

Flugstad, Ben; Fried, Raymond L.; Hedge, Alan; McJunkin, Barton L.; and Talbot, Mark D., 4,810,977, Cl. 332-19.000.

Hedge, James N., Jr.: *See—*

Shaw Rudy L.; Tsui, James B. Y.; and Hedge, James N., Jr., 4,860,318, Cl. 375-82.000.

Hedge, Roger W.: *See—*

Clift, Roland; Hedge, Roger W.; Legros, Robert; and Millington, Clive A., 4,815,482, Cl. 131-300.000.

Hedge, Suryanarayan G.: *See—*

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Hedgecock, John R.: *See—*

Gardner, Colin R.; and Hedgecock, John R., 4,868,176, Cl. 514-220.000.

Hedgepeth, Virgil E. Weed removal tool. 4,819,736, 4-11-89, Cl. 172-25.000.

Hedgepeth, Virgil E. Tine bit. 4,878,786, 11-7-89, Cl. 408-86.000.

Hedger, James E., Jr.; and Charette, Joseph G., to Graves Spray Supply Co., Inc. Fiberglass spray nozzle. 4,854,504, 8-8-89, Cl. 239-294.000.

Hedges, Allan R.: *See—*

Ammeraal, Robert N.; Hedges, Allan R.; and Gottneid, David J., 4,840,679, Cl. 127-40.000.

Hedges, Harry S. Walker. 4,869,279, 9-26-89, Cl. 135-67.000.

Hedges, Lesley K.: *See—*

Davies, Geoffrey J.; Hedges, Lesley K.; and Robertson, Stuart H., 4,883,648, Cl. 423-290.000.

Hedges, Raymond: *See—*

Foster, Bruce A.; and Hedges, Raymond, 4,799,556, Cl. 173-43.000.

Hedgewick, Peter, to Pac-Tec, Inc. Protective roadway marker guard rails. 4,883,384, 11-28-89, Cl. 404-14.000.

Hediger, Edwin A., to Eastman Kodak Company. Optical printhead having thermal expansion stress relief. 4,821,051, 4-11-89, Cl. 346-155.000.

Hediger, Edwin A., to Eastman Kodak Company. Development station with improved mixing and feeding apparatus. 4,825,244, 4-25-89, Cl. 355-3.00D.

Hediger, Edwin A.; Ng, Yee S.; and Pham, Hieu, to Eastman Kodak Company. Modular optical printhead for hard copy printers. 4,875,057, 10-17-89, Cl. 346-107.00R.

Hediger, Ernst H. Sled dog training cart. 4,861,052, 8-29-89, Cl. 280-87.043.

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Berglund, Asta B.; Akerblom, Eva B.; and Hedin, Anders J., 4,797,370, Cl. 436-518.000.

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Linduist, Tommy N.; Vukotic, Milos; Hedin, Ann-Christine; and Francke, Kurt O., 4,809,398, Cl. 15-339.000.

Hedin, Ronald A., to Electric Power Research Institute Inc. Method and means for damping supersynchronous oscillations in an AC power system. 4,808,843, 2-28-89, Cl. 307-105.000.

Hedley, David J.; and David, Morgan W. A., to Sony Corporation. Video signal memories. 4,811,099, 3-7-89, Cl. 358-160.000.

Hedley, David J.; and Richards, John, to Sony Corporation. Infinite impulse response filters. 4,811,263, 3-7-89, Cl. 364-724.130.

Hedley Purvis Limited: *See—*

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Hedlof, Margareta E.: *See—*

Brandt, Ragnhild K.; and Hedlof, Margareta E., 4,826,776, Cl. 436-501.000.

Hedlund, Bo E.; Hallaway, Philip E.; Panter, Samuel S.; and Eaton, John W., to Biomedical Frontiers, Inc. Method for the stabilization of deferoxamine to chelate free ions in physiological fluid. 4,863,964, 9-5-89, Cl. 514-575.000.

Hedlund, Gunnar; and Lundberg, Henrik, to EMS Electronic Motor Systems AB. Motor energizing circuit. 4,868,478, 9-19-89, Cl. 318-696.000.

Hedman, Theodore A.; and Moe, Maynard L., to Dencor Energy Cost Controls, Inc. Variable-limit demand controller for metering electrical energy. 4,819,180, 4-4-89, Cl. 364-492.000.

Hedrick, Geoffrey S. M., to Innovative Solutions & Support, Inc. Methods and apparatus for post-assembly custom fine-tuning of an electron beam characteristic in a cathode ray imaging tube. 4,881,006, 11-14-89, Cl. 313-450.000.

Hedrick, Terry J. Electromechanical evacuation exit indicating flag. 4,808,977, 2-28-89, Cl. 340-691.000.

Hedrington, James A., to Presto Industries, Inc. Food processor. 4,884,755, 12-5-89, Cl. 241-37.500.

Hee, Roland, to Jes, Inc. Electrically conductive wrist bracelet with removable clasping links and expansion band. 4,847,729, 7-11-89, Cl. 361-220.000.

Hee, Roland, to Jes, Inc. Crocheted fabric elastic wrist bracelet bearing an interior conductive yarn. 4,878,148, 10-31-89, Cl. 361-220.000.

Heeger, Alan: *See—*

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Heeks, John S.; Bone, Michael C.; Jones, Emlyn; and Parker, James W., to STC PLC. Fibre optic gyroscope with nulling feedback control loop. 4,834,538, 5-30-89, Cl. 356-350.000.

Heelass, George J.: *See—*

Capper, Bruce; and Heelass, George J., 4,819,390, Cl. 52-95.000.

Heeler, David E.; and Pamperin, John M., to FMC Corporation. Oscillating sealing wire assembly for wrapping machines. 4,834,830, 5-30-89, Cl. 156-583.100.

Heelies, Donald R., to Adi Diagnostics Inc. Device for performing enzyme immunoassays. 4,883,760, 11-28-89, Cl. 435-296.000.

Heenan, Richard H.: *See—*

Burke, Robert W., II; Cahen, Albert J., Jr.; Credle, William S., Jr.; Gupta, Ashis S.; and Heenan. Richard H., 4,875,508, Cl. 141-2.000.

Rudick, Arthur G.; Heenan, Richard H.; and Gupta, Ashis S., 4,802,343, Cl. 62-294.000.

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Heene, Mark R.; Menkedick, Michael H.; Sibigtroth, James M.; and Espinor, George L., to Motorola, Inc.; and Delco Electronics Corporation. Single chip microcomputer with patching and configuration controlled by on-board non-volatile memory. 4,802,119, 1-31-89, Cl. 364-900.000.

Heene, Mark R.: *See—*

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Siegel, Wolfgang; Eck, Reinhold; Heep, Dieter; and Vogel, Paul, 4,823,993, Cl. 222-345.000.

Heerema Engineering Service BV: *See—*

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Coppens, Anton, 4,848,968, Cl. 405-204.000.

van der Heyden, Henricus J. T. M., 4,828,430, Cl. 405-209.000

Heerema, Mark D.: *See—*

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Heeren, Dieter; and Vock, Friedrich, to Basf Lacke & Farben AG. Device for filling transportable vessels with flowable materials. 4,817,690, 4-4-89, Cl. 141-338.000.

Heeres, Jan; Stokbroekx, Raymond A.; and Backx, Leo J. J., to Janssen Pharmaceutica N.V. [[4-[4-phenyl-1-piperazinyl)phenoxymethyl]-1-3-dioxolan-2-yl]-methyl]-1H-imidazoles and 1H-1,2,4-triazoles. 4,861,879, 8-29-89, Cl. 544-55.000.

Heers & Brockstedt, GmbH & Co.: *See—*

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Hees, Bruno; and Hoffmann, Hans, to Bayer Aktiengesellschaft. Process for electrophoretic white and colored enamelling. 4,883,565, 11-28-89, Cl. 204-180.200.

Hees, Bruno: *See—*

Hoffmann, Hans; and Hees, Bruno, 4,822,463, Cl. 204-181.100.

Heese, Dieter H. W.: *See—*

Schmid, Karl; Jokisch, Friedrich; Heese, Dieter H. W.; Hillinger, Bruno; Beckmann, Georg; and Heger, Norbert, 4,842,695, Cl. 202-228.000.

Heese, Richard N.: *See—*
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Heesemann, Juergen, to Karl Heesemann Maschinenfabrik GmbH & Co. KG. Belt grinding machine. 4,839,994, 6-20-89, Cl. 51-165.720.
Heess, Gerhard; and Van Zanten, Anton, to Robert Bosch GmbH. Pressure booster and modulator. 4,824,187, 4-25-89, Cl. 303-114.000.
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Kost, Friedrich; Van Zanten, Anton; Heess, Gerhard; and Kreisselmeier, Gerhard, 4,862,368, Cl. 364-426.020.
Heetfield, Robert D., to Owens-Illinois Glass Container Inc. Nickel base alloy glass shaping member. 4,814,024, 3-21-89, Cl. 148-2.000.
Hefele, Wilhelm J. Ankle support structure. 4,862,900, 9-5-89, Cl. 128-80.00H.
Heffernan, Mary B., to Hewlett-Packard Company. Cleaning of polyurethane foam reservoir. 4,824,487, 4-25-89, Cl. 134-10.000.
Heffernan, Mary B.; Norton, Kenneth A.; and Cowger, Bruce, to Hewlett-Packard Company. Determination of cleanliness level of foam reservoir. 4,885,932, 12-12-89, Cl. 73-53.000.
Heffler, Michael J.: *See—*
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Heffner, Donald L.; Merical, Dennis G.; and Homan, David A., to General Motors Corporation. Vacuum check valve and method of control. 4,856,554, 8-15-89, Cl. 137-514.000.
Hefftler, Victor; Johne, Hans; Schulz, Horst; Jentzsch, Arndt; and Schone, Helmut, to Veb Kombinat Polygraph "Werner Lamberz" Leipzig. Driving system for sheet-fed rotary printing machine. 4,811,663, 3-14-89, Cl. 101-183.000.
Hefftler, Victor; Johne, Hans; Schulz, Horst; Jentzsch, Arndt; and Schone, Helmut. Drive system for sheet-fed rotary printing machine. 4,867,060, 9-19-89, Cl. 101-183.000.
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Heflin, Ronald D., to Du Pont de Nemours, E. I., and Company. Hand held dispenser for mixing and dispensing two viscous components. 4,826,047, 5-2-89, Cl. 222-136.000.
Hefling, Dennis V., to Coleman Company, Inc., The. Cam-actuated piezoelectric ignition device for gas appliance. 4,870,314, 9-26-89, Cl. 310-339.000.
Hefling, Dennis V., to Coleman Company, Inc., The. Propane-fueled cooking apparatus. 4,881,520, 11-21-89, Cl. 126-44.000.
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Hefner, Robert E., Jr., to Dow Chemical Company, The. Curable amidoalkylaromatic compositions. 4,798,908, 1-17-89, Cl. 564-153.000.
Hefner, Robert E., Jr.; and Wykowski, Paul L., to Dow Chemical Company, The. Mixed epoxy resins comprising sulfide containing aliphatic epoxy resins. 4,816,546, 3-28-89, Cl. 525-483.000.
Hefner, Robert E., Jr., to Dow Chemical Company, The. Cyanate functional maleimide thermosetting composition. 4,820,797, 4-11-89, Cl. 528-322.000.
Hefner, Robert E., Jr., to Dow Chemical Company, The. Cyanate functional maleimide thermosetting composition. 4,820,798, 4-11-89, Cl. 528-322.000.
Hefner, Robert E., Jr.; and Wykowski, Paul L., to Dow Chemical Company, The. Sulfide containing aliphatic epoxy resins. 4,829,133, 5-9-89, Cl. 525-481.000.
Hefner, Robert E., Jr.; and Haynes, Deborah I., to Dow Chemical Company, The. Rheology low gloss, high impact strength powder coating resins. 4,835,228, 5-30-89, Cl. 525-524.000.
Hefner, Robert E., Jr., to Dow Chemical Company, The. Polystyrene modified advanced epoxy resin and polyester copolymers. 4,847,337, 7-11-89, Cl. 525-531.000.
Hefner. Robert E., Jr., to Dow Chemical Company, The. Curable cyanoalkylaromatic compositions. 4,847,402, 7-11-89, Cl. 558-389.000.
Hefner, Robert E., Jr.; and Robinson, John W., to Dow Chemical Company, The. Styrylaza vinyl esters. 4,851,483, 7-25-89, Cl. 525-502.000.
Hefner, Robert E., Jr.; Robinson, John W.; and Earls, Jimmy D., to Dow Chemical Company, The. Substituted styrylaza epoxy resins. 4,883,844, 11-28-89, Cl. 525-472.000.
Hefner, Werner: *See—*
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Heft, Dallas E.; and Carignan, Donald A. Furnace viewing system. 4,840,474, 6-20-89, Cl. 350-572.000.
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Hefti, Heinz; Lehmann, Urs; Reinehr, Dieter; and Kaschig, Jurgen, to Ciba-Geigy Corporation. Process for increasing the degree of whiteness of polyester-containing textile material. 4,830,763, 5-16-89, Cl. 252-8.600.
Hefti, Heinz; Artz, Klaus; Weber, Kurt; Burdeska, Kurt; and Reinehr, Dieter, to Ciba-Geigy Corporation. Mixtures of fluorescent whitening agents. 4,889,655, 12-26-89, Cl. 252-301.220.
Hefti, Walter: *See—*
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Hegasy, Ahmed; and Ramsch, Klaus-Dieter, to Bayer Aktiengesellschaft. Dihydropyridine spray, process for its preparation and its pharmaceutical use. 4,857,312, 8-15-89, Cl. 424-80.000.
Hegasy, Ahmed, to Bayer Aktiengesellschaft. Solid, rapidly released medicament preparations containing dihydropyridines, and processes for their preparation. 4,882,144, 11-21-89, Cl. 424-80.000.
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Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andrea; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
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Hegendorfer, Erich, to Alpina Int'l Sport + Optik-Vertriebs-GmbH. Protective goggles. 4,843,655, 7-4-89, Cl. 2-449.000.
Hegendorfer, Max, to Grundig E.M.V. Elektro-Mechanische Versuchsanstalt; and Max Grun Dig Holland Stiftung & Co. KG. System for processing coded information. 4,823,385, 4-18-89, Cl. 380-10.000.
Hegendorfer, Max, to U.S. Philips Corporation. Device for recording satellite TV broadcasts. 4,843,482, 6-27-89, Cl. 358-335.000.
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Heggie, William; Page, Philip R.; Villax, Ivan; Ghatak, Indira; and Hursthouse, Michael, to Plurichemie Anstalt. Process of preparation of novel rhodium hydrogenation catalysts and their application. 4,857,235, 8-15-89, Cl. 260-351.500.

Heggie, William; Page, Philip R.; Villax, Ivan; Hursthouse, Michael; and Somerville, Richard, to Plurichemie Anstalt. Application of catalysts containing rhodium. 4,863,639, 9-5-89, Cl. 260-351.500.
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Heh, Robert W. Radon gas home/building mitigation apparatus and method. 4,858,521, 8-22-89, Cl. 98-42.050.
Heh, Shiang-Jiun; Chen, Swe-Kai; Jin, Fu-Teh; and Chen, Li-Kou, to Industrial Technology Research Institute. Process for producing rare earth-cobalt permanent magnet. 4,875,946, 10-24-89, Cl. 148-103.000.
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Hehl, Karl. Injection molding machine having an injection nozzle control device. 4,808,103, 2-28-89, Cl. 425-190.000.
Hehl, Karl. Hydraulic control circuit for an injection molding with two loads driven by a pump. 4,823,551, 4-25-89, Cl. 60-422.000.
Hehl, Karl. Injection molding machine having replaceable, interlockable mold halves. 4,828,478, 5-9-89, Cl. 425-190.000.
Hehl, Karl. Combination of an injecting unit and plasticizing unit for an injection molding machine. 4,846,652, 7-11-89, Cl. 425-190.000.
Hehl, Karl. Hydraulic system for the mold clamping unit of a plastics injection molding machine. 4,846,664, 7-11-89, Cl. 425-589.000.
Hehl, Karl. Plasticizing and injecting unit for use in an injection molding machine. 4,850,841, 7-25-89, Cl. 425-190.000.
Hehl, Karl. Plasticizing assembly comprising a reinforcing skeleton intended for use in an injecting unit of an injection molding machine. 4,863,362, 9-5-89, Cl. 425-190.000.
Hehl, Karl. Injection molding machine for a selective linear or central charging of mold assemblies. 4,863,368, 9-5-89, Cl. 425-547.000.
Hehl, Karl. Injection molding machine having an injection molding unit with multiple working positions. 4,865,534, 9-12-89, Cl. 425-547.000.
Hehl, Karl. Locking apparatus for locking a detachably mounted plasticizing cylinder of a plasticizing unit in operative position to a carrying block of an injection unit of an injection molding machine. 4,877,389, 10-31-89, Cl. 425-190.000.
Hehl, Karl. Plastics injection molding machine. 4,883,418, 11-28-89, Cl. 425-217.000.
Hehl, Karl. Openable and closeable nozzle for the plasticizing cylinder of an injection molding machine. 4,886,439, 12-12-89, Cl. 425-190.000.
Hehl, Karl. Changing device for changing the plastic material to be supplied to a horizontal injecting unit of an injection molding machine. 4,889,479, 12-26-89, Cl. 425-185.000.
Hehl, Karl: *See—*
Reitter, Erhardt, 4,796,453, Cl. 72-347.000.
Hehn, Bruce A.; and Weisburn, James T., to Alpha Enterprises, Inc. Cassette security package. 4,834,238, 5-30-89, Cl. 206-387.000.
Hehn, Bruce A.; Weisburn, James T.; Lewellen, Richard R.; and Geis, Mark W., to Alpha Enterprises, Inc. Cassette storage container. 4,871,064, 10-3-89, Cl. 206-387.000.
Hehn, Bruce A.; and Moock, Andrew W., to Alpha Enterprises, Inc. Compact disc security package. 4,871,065, 10-3-89, Cl. 206-387.000.
Hehn, Bruce A.; and Sankey, James K., to Alpha Enterprises, Inc. Storage container for audio cassette tape boxes and digital audio compact disc boxes. 4,889,244, 12-26-89, Cl. 211-41.000.
Hehn, Wilfried, to Agfa-Gevaert Aktiengesellschaft. Apparatus for wet treatment of photosensitive material. 4,837,593, 6-6-89, Cl. 354-322.000.
Hehner, Reinhard: *See—*
Schonmeier, Herbert; and Hehner, Reinhard, 4,805,847, Cl. 242-56.200.
Heibel, Helmut, to Lucas Industries public limited company. Spot-type disk brake. 4,852,700, 8-1-89, Cl. 188-73.430.
Heiblum, Mordehai; Knoedler, Christina M.; and Thomas, David C., to International Business Machines Corporation. Theta device with improved base contact. 4,833,517, 5-23-89, Cl. 357-34.000.
Heid, Edmund. Steerable kite. 4,874,146, 10-17-89, Cl. 244-153.00R.
Heid, George E., to Yale Security Inc. Exit device having adjustable backset. 4,796,931, 1-10-89, Cl. 292-92.000.
Heid, George E., to Yale Security Inc. Exit device having length adjustment means for its concealed vertical rods. 4,881,765, 11-21-89, Cl. 292-92.000.
Heid, Gilles: *See—*
Guezou, Jean-Pierre; Heid, Gilles; Bailleux, Pierre; and Pruvost, Marc, 4,836,743, Cl. 415-53.100.
Heid, Rudolf: *See—*
Peter, Gerhard; Kempkensteffen, Heinz; and Heid, Rudolf, 4,852,243, Cl. 29-568.000.
Heid, Walter: *See—*
Amrhein, Reinhard; Heid, Walter; and Muschong, Gunther, 4,832,081, Cl. 137-625.380.
Heidary, Henry A.: *See—*
Williams, Patrick R.; and Heidary, Henry A., 4,806,936, Cl. 342-126.000.
Heide, Jorgan; Gooch, Timothy D.; Prescott, Anthony D.; Sander, Thomas W.; Davidson, Jim; and Renz, Eric A., to Richards Medical Company. Magnetic induction hearing aid. 4,800,884, 1-31-89, Cl. 128-419.00R.
Heide, Jorgen; Gooch, Timothy D.; Prescott, Anthony D.; and Bojrab, Dennis, to Richards Metal Company. Magnet for installation in the middle ear. 4,840,178, 6-20-89, Cl. 128-419.00R.
Heide, Wilfried: *See—*
Rehmer, Gerd; Niessner, Manfred; Heide, Wilfried; Hartmann, Heinrich; and Peters, Karl-Clemens, 4,879,361, Cl. 526-201.000.
Heide, Wolfgang: *See—*
Lierke, Ernst-Gunter; Grossbach, Rudolf; Heide, Wolfgang; Flogel, Karl; and Junger, Martin, 4,798,332, Cl. 239-102.200.
Heidebrecht, Gary D., to Ethyl Corporation. Recovery process. 4,824,989, 4-25-89, Cl. 558-423.000.
Heidel, Bruce A.: *See—*
Boda, James C.; Baumhardt, Robert J.; and Heidel, Bruce A., 4,838,820, Cl. 440-87.000.
Heidel, David: *See—*
Curtis, Mark D.; and Heidel, David, 4,871,333, Cl. 440-77.000.
Heidel, David W.: *See—*
Curtis, Mark D.; and Heidel, David W., 4,869,693, Cl. 440-77.000.
Heidelberger Druckmaschinen AG: *See—*
Anton, Rodi, 4,810,942, Cl. 318-327.000.
Becker, Willi; and Wirz, Arno, 4,815,379, Cl. 101-246.000.
Eiswirth, Peter; and Lehnert, Michael, 4,847,447, Cl. 174-74.00A.
Grutzmacher, Bertold; and Meyer, Helmut, 4,851,763, Cl. 324-127.000.
Grutzmacher, Bertold; and Hofheinz, Walter, 4,863,139, Cl. 248-618.000.
Grutzmacher, Bertold; and Blaser, Theodor, 4,887,810, Cl. 271-225.000.
Haupenthal, Rudi, 4,848,230, Cl. 101-409.000.
Jahn, Hans-Georg, 4,854,231, Cl. 101-177.000.
Jeschke, Willi, 4,830,355, Cl. 271-183.000.
Jeschke, Willi, 4,831,825, Cl. 60-473.000.
Jeschke, Willi; and Stadler, Lothar, 4,831,931, Cl. 101-415.100.
Jeschke, Willi; and Weber, Werner, 4,838,163, Cl. 101-349.000.
Jeschke, Willi; and Filsinger, Karl-Heinz, 4,843,966, Cl. 101-363.000.
Jeschke, Willi; and Bergmeier, Dieter, 4,846,061, Cl. 101-408.000.
Jeschke, Willi; and Loffler, Gerhard, 4,881,181, Cl. 364-519.000.
Jeschke, Willi, 4,886,261, Cl. 271-11.000.
Kipphan, Helmut; Jeschke, Willi; Ott, Hans; and Graf, Jean-Pierre, 4,856,903, Cl. 356-400.000.
Kruger, Michael, 4,849,677, Cl. 318-473.000.
Kruger, Michael, 4,879,477, Cl. 307-239.000.
Kusch, Hans-Jurgen, 4,872,406, Cl. 101-148.000.
Meyer, Helmut; and Seeberger, Jurgen, 4,879,497, Cl. 318-254.000.
Muller, Hans, 4,811,641, Cl. 83-105.000.
Pfizenmaier, Wolfgang, 4,799,660, Cl. 270-21.100.
Pfizenmaier, Wolfgang, 4,852,492, Cl. 101-424.100.
Pollich, Gerhard, 4,878,658, Cl. 271-183.000.
Rodi, Anton; and Kruger, Michael, 4,832,329, Cl. 271-155.000.
Rodi, Anton; and Blaser, Peter T., 4,884,774, Cl. 248-56.000.
Seefried, Karl-Heinz, 4,841,862, Cl. 101-425.000.
Spiegel, Nikolaus; Krestyn, Karlheinz; and Blaser, Theobald, 4,879,513, Cl. 324-207.000.
Stammer, Walter; Grutzmacher, Bertold; and Blaser, Peter T., 4,847,555, Cl. 324-161.000.
Thunker, Norbert; Spiegel, Nikolaus; Lorenz, Roland; and Joss, Werner, 4,854,236, Cl. 101-411.000.
Wirz, Arno, 4,856,426, Cl. 101-217.000.
Wirz, Arno; and Sobotta, Peter, 4,869,489, Cl. 271-90.000.
Heidelberger Zement AG: *See—*
Meyer, Adolf, 4,810,552, Cl. 428-113.000.
Heideman, Robert C., to Amco Corporation. Modular luggage carrier with sliding tie-down bracket stabilized against luggage-securing forces. 4,811,877, 3-14-89, Cl. 224-321.000.
Heideman, Robert C., to Amco Manufacturing Corporation. Modular luggage carrier with sliding tie-down bracket stabilized against luggage securing forces. 4,815,643, 3-28-89, Cl. 224-321.000.
Heideman, Robert C., to AMCO Manufacturing Corporation. Vehicle luggage carrier with flush tiedown endcap. 4,826,061, 5-2-89, Cl. 224-326.000.
Heideman, Robert J., to Enertrols, Inc. Weld gun control. 4,810,849, 3-7-89, Cl. 219-89.000.
Heideman, Robert J., to Enertrols, Inc. Weld gun control. 4,825,031, 4-25-89, Cl. 219-89.000.
Heidemeyer, Herbert: *See—*
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Heiden, Christoph: *See—*
Anders, Michael; and Heiden, Christoph, 4,859,896, Cl. 310-328.000.
Heidenfelder, Herbert J. Desensitizing condom. 4,840,188, 6-20-89, Cl. 128-844.000.
Heidenhain, Frank; and Kemp, Christian F., to Raychem GmbH. Method of encapsulating an electrical components. 4,863,536, 9-5-89, Cl. 156-56.000.
Heider, David A.: *See—*
Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,844,010, Cl. 119-1.000.
Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,881,490, Cl. 119-1.000.
Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,883,021, Cl. 119-1.000.
Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, to Dr. Karl Thomae GmbH. Naphthyl derivatives, pharmaceutical compositions containing these compounds and processes for preparing them. 4,871,735, 10-3-89, Cl. 514-213.000.
Heider, Joachim: *See—*
Narr, Berthold; Hauel, Norbert; Noll, Klaus; Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; van Meel, Jacques; and Diederen, Willi, 4,831,027, Cl. 514-212.000.

Heider, John E.: *See—*

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Heider, Jurgen: *See—*

Dobrusskin, Alexander; Heider, Jurgen; and Schade, Wolfgang, 4,801,840, Cl. 313-44.000.

Gosslar, Achim; and Heider, Jurgen, 4,851,735, Cl. 313-631.000.

Heider, Kenneth J.: *See—*

Clem, Kenneth R.; Heider, Kenneth J.; Kegerreis, James E.; and Shoukry, Ehsan I., 4,872,967, Cl. 208-65.000.

Heidinger, George H.: *See—*

Evans, Vernon C.; and Heidinger, George H., 4,841,159, Cl. 307-38.000.

Evans, Vernon C.; and Heidinger, George H., 4,876,514, Cl. 324-556.000.

Heidjann, Franz, to Claas OHG. Self-propelling harvester thresher. 4,881,920, 11-21-89, Cl. 460-66.000.

Heidjann, Franz: *See—*

Hemker, Heinrich, and Heidjann, Franz, 4,884,993, Cl. 460-14.000.

Heidman, William A., Jr. Alarm system for automotive vehicles. 4,796,002, 1-3-89, Cl. 340-64.000.

Heidorn, Richard, to Illinois Tool Works Inc. Sneak current protector for a communication circuit 110-type wiring block. 4,865,565, 9-12-89, Cl. 439-622.000.

Heidrich, Dennis A. Temporary closure for beverage can. 4,842,159, 6-27-89, Cl. 220-90.400.

Heidrich, Gunter: *See—*

Markl, Maximilian; Heidrich, Gunter; Schmidt, Manfred; Muller, Jurgen; and Wauer, Dieter, 4,844,842, Cl. 261-30.000.

Heidrich, Gunther, to BHS - Bayerische Berg-, Hutten- and Salzwerke AG. Diaphragm disk assembly for torque transmitting joint and process for its fabrication. 4,802,882, 2-7-89, Cl. 464-99.000.

Heidrich, Helmut; Hoffmann, Detlef; and Nolting, Hans-Peter, to Siemens Aktiengesellschaft. Arrangement for polarization control, such as for an optical heterodyne or homodyne receiver. 4,856,094, 8-8-89, Cl. 455-619.000.

Heidrich, Helmut: *See—*

Nolting, Hans-Peter; Heidrich, Helmut; and Hoffmann, Detlef, 4,832,431, Cl. 350-96.140.

Heidt, Thomas; and Wickstead, James C., to Wickstead, James C. Camcorder. 4,875,107, 10-17-89, Cl. 360-9.100.

Heidt, Thomas D.: *See—*

Neuman, Arnold I.; Heidt, Thomas D.; Bergman, Andrew; and Wickstead, James, 4,877,954, Cl. 250-222.200.

Heidtman, Herman F.: *See—*

Cailey, Ronald J.; Nichols, John F.; and Heidtman, Herman F., 4,881,633, Cl. 198-345.000.

Heidtmann, Denis L.: *See—*

Hayes, Raymond; and Heidtmann, Denis L., 4,862,235, Cl. 357-24.000.

Riley, Larry D.; and Heidtmann, Denis L., 4,803,531, Cl. 357-24.000.

Heier, Christoph; Lentz, Gerd; and Ritter, Rainer, to Robert Bosch GmbH. Device for delivering washing liquid to two spaced spraying nozzles for moistening a windshield of a motor vehicle. 4,838,488, 6-13-89, Cl. 239-284.100.

Heifetz, Carl L.: *See—*

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Heiffer, Melvin H.: *See—*

Canfield, Craig J.; Heiffer, Melvin H.; and Korte, Don W., Jr., 4,808,598, Cl. 514-312.000.

Heigh, Freddy: *See—*

Ege, Sigmund; Aasbo, Anders T.; and Heigh, Freddy, 4,834,618, Cl. 417-46.000.

Heigl, Ing. H., to Microhandling Handhabungsgerate GmbH, Firma. Device for separation of integrated circuits. 4,805,779, 2-21-89, Cl. 209-573.000.

Heihn, Donald H.: *See—*

Perry, William D.; Heihn, Donald H.; and Peel, H. Herbert, 4,800,892, Cl. 128-677.000.

Perry, William D.; and Heihn, Donald H., 4,832,039, Cl. 128-680.000.

Heijenga, Berend, to H S M. Container for a small quantity of milk, cream or the like. 4,863,036, 9-5-89, Cl. 206-629.000.

Heijmans, Peter M. S. M.: *See—*

Compter, Johan C.; and Heijmans, Peter M. S. M., 4,795,953, Cl. 318-696.000.

Heijnemans, Werner A. L., to U.S. Philips Corporation. Method and apparatus for recording and/or reproducing video information in/for a record carrier, and record carrier obtained by means of the method. 4,807,053, 2-21-89, Cl. 358-335.000.

Heijnen, Godefridus: *See—*

Kuus, Gijsbert H. C.; and Heijnen, Godefridus, 4,851,733, Cl. 313-331.000.

Heijwegen, Cornelis P.; and Kat, Willem, to Hoogovens Groep B.V. Method for treating blast furnace gas and apparatus for carrying out that method. 4,854,946, 8-8-89, Cl. 55-85.000.

Heikel, Henrik R., to Dow Chemical Company, The. Process for preparing nodular pigmentary titanium dioxide. 4,863,711, 9-5-89, Cl. 423-610.000.

Heikes, James E.: *See—*

Petrillo, Edward W., Jr.; Karanewsky, Donald S.; Thottathil, John K.; Heikes, James E.; and Grosso, John A., 4,873,356, Cl. 558-180.000.

Heikkila, Kurt E.; Williams, Rodney K.; and Bohnen, Bruce A., to Du Pont de Nemours, E. I., and Company. Hydrogen peroxide compositions containing a substituted aminobenzaldehyde. 4,875,973, 10-24-89, Cl. 156-664.000.

Heikkila, Kurt E.: *See—*

Nash, James E.; and Heikkila, Kurt E., 4,844,745, Cl. 134-42.000.

Williams, Rodney K.; Bohnen, Bruce A.; and Heikkila, Kurt E., 4,875,972, Cl. 156-664.000.

Heikkinen, Dale W., to Multitek, Inc. Collection apparatus. 4,826,011, 5-2-89, Cl. 206-518.000.

Heikkinen, Kevin A. Sealing assembly. 4,807,396, 2-28-89, Cl. 49-470.000.

Heikkinen, Wilbert: *See—*

Fay, James E., III; Hrubecky, Frederick J.; Mills, Doris A.; Gierke, Carl J.; Heikkinen, Wilbert; Williams, Rory D.; and Lang, James I., 4,834,774, Cl. 44-14.000.

Heikonen, Matti: *See—*

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Heikrodt, Klaus: *See—*

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Baumgartner, Hans; Henke, Ulrich; Brandstadter, Manfred; Heikrodt, Klaus; and Schneider, Herbert, 4,822,260, Cl. 417-440.000.

Heikurinen, Kari J.: *See—*

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Heil, Balint: *See—*

Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.

Heil Co., The: *See—*

Glomski, Norman J., 4,836,394, Cl. 220-1.00T.

Heil, Dean. Sun, rain and wind deflector. 4,837,862, 6-13-89, Cl. 2-12.000.

Heil, Ernst: *See—*

Siol, Werner; Heil, Ernst; Wenzel, Franz; Arndt, Peter J.; and Terbrack, Ulrich, 4,877,853, Cl. 526-329.700.

Heil, Nicholas A., Jr.; and Schilling, Robert J., to National Machinery Company, The. Method and apparatus for producing fasteners having wrenching sockets therein. 4,805,437, 2-21-89, Cl. 72-356.000.

Heil-Quaker Corporation: *See—*

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Beehler, Richard F., 4,865,517, Cl. 415-214.100.

Church, Gordon M.; and Churvis, Michael A., 4,850,527, Cl. 229-110.000.

Heil, Ronald W., Jr.; and Owens, Robert C., to Cardiac Pacemakers Inc. Positive fixation cardiac electrode with drug elution capabilities. 4,819,661, 4-11-89, Cl. 128-786.000.

Heil, Ronald W., Jr.; Owens, Robert C.; and Pederson, Brian D., to Cardiac Pacemakers, Inc. Cardiac electrode with drug delivery capabilities. 4,819,662, 4-11-89, Cl. 128-786.000.

Heilala, Antti-Jussi, to Oy Safematic Ltd. Sealing flange. 4,813,6[illegible], 3-21-89, Cl. 277-27.000.

Heilala, Antti-Jussi, to Oy Safematic Ltd. Slide ring seal. 4,838,56[illegible], 6-13-89, Cl. 277-42.000.

Heilala, Antti-Jussi, to OY Safematic Ltd. Slide ring seal with circumferentially variably-beveled counter-surface on a shrink fitted slide ring thereof. 4,842,286, 6-27-89, Cl. 277-38.000.

Heiland, Robert, to Miles Inc. Slide dispenser for a reagent canister. 4,817,820, 4-4-89, Cl. 221-279.000.

Heiland, Robert J.: *See—*

DeSimone, Joseph P.; Heiland, Robert J.; Moulton, Joseph L.; Purcell, D. Glenn; and Pugh, Jerry T., 4,833,088, Cl. 435-289.000.

Heilen, Gerd: *See—*

Gramlich, Walter; Halbritter, Klaus; and Heilen, Gerd, 4,806,[illegible], Cl. 558-371.000.

Heilen, Wernfried: *See—*

Fink, Hans-Ferdi; Berger, Roland; Heilen, Wernfried; and M[illegible], Peter, 4,886,551, Cl. 106-183.000.

Heilenah, Louis: *See—*

Delphia, John B.; Heilenah, Louis; and Chandler, Ronald E., 4,867,498, Cl. 296-37.700.

Heiler, Cornelius T.: *See—*

Calcaterra, Ronald C.; Ginther, Edward R.; and Heiler, Cornelius T., 4,864,687, Cl. 16-237.000.

Heiles, Tod S.: *See—*

Olson, Allan G.; and Heiles, Tod S., 4,808,019, Cl. 430-605.000.

Heilhecker, Joe K.; Williams, Robert E.; and Marshall, William H. Apparatus and method for removing and recovering oil and/or other oil-based drilling mud additives from drill cuttings. 4,836,302, 6-6-89, Cl. 175-66.000.

Heiliger, Martha-Catharina. Articulating steel cap for underground mining support structures. 4,820,085, 4-11-89, Cl. 405-288.000.

Heiling, Gerald M.: *See—*

Block, Timothy R.; Soderstrom, Ronald L.; Heiling, Gerald M.; and Rocca, Charles J., 4,850,044, Cl. 455-607.000.

Heiller, Glenn H.; and Petersen, Michael P., to Check Technology Corporation. Power supply sequencing circuit for flash fuser. 4,862,225, 8-29-89, Cl. 355-288.000.

Heilman, Paul W.: *See—*

Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronimus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Bair, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Da[illegible] M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.

Heilman, Raymond D.: *See—*

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Heilman, Thomas R.; and Norris, David M., to Babcock & Wilcox Company, The. Automatic system for sequential control and fault detection of devices used in batch processes. 4,866,596, 9-12-89, Cl. 364-184.000.

Heilman, Thomas R.; and Norris, David M., to Babcock & Wilcox Company, The. Automatic system for sequential control and fault detection of devices used in batch processes. 4,885,677, 12-5-89, Cl. 364-184.000.

Heilman, William J.: *See—*

Wilburn, Bruce E.; and Heilman, William J., 4,844,829, Cl. 252-56.00R.

Heilmann, Holger: *See—*

Haubennestel, Karl-Heinz; Heilmann, Holger; and Diez, Andreas, 4,857,111, Cl. 106-504.000.

Heilmann, Paul; Preisser, Friedrich; and Schuster, Rolf, to Degussa Aktiengesellschaft. Heat treating a metallic workpiece by quenching under cooling gas under above atmospheric pressure and specified circulation rate. 4,867,808, 9-19-89, Cl. 148-20.300.

Heilmann, Paul; Kalbfleisch, Fritz; Preisser, Friedrich; and Schuster, Rolf, to Degussa Aktiengesellschaft. Vacuum furnace for heat treatment of metallic workpieces. 4,869,470, 9-26-89, Cl. 266-250.000.

Heilmann, Steven M.; Rasmussen, Jerald K.; Krepski, Larry R.; Milbrath, Dean S.; and Coleman, Patrick L., to Minnesota Mining and Manufacturing Company. Variably crosslinked polymeric supports. 4,871,824, 10-3-89, Cl. 526-304.000.

Heilmann, Steven M.: *See—*

Babirad, Stefan A.; Bacon, Fredrick; Heilmann, Steven M.; Krepski, Larry R.; Kuczma, Andrew S.; and Rasmussen, Jerald K., 4,852,969, Cl. 350-96.340.

Katritzksy, Alan R.; Swinson, Joel; Sakizadeh, Kumars; Rasmussen, Jerald K.; Krepski, Larry R.; and Heilmann, Steven M., 4,816,554, Cl. 528-210.000.

Katritzky, Alan R.; Krepski, Larry R.; Rasmussen, Jerald K.; Heilmann, Steven M.; and Tarr, Richard D., 4,841,021, Cl. 528-407.000.

Rasmussen, Jerald K.; Heilmann, Steven M.; and Palensky, Frederick J., 4,837,290, Cl. 526-304.000.

Rasmussen, Jerald K.; Heilmann, Steven M.; Krepski, Larry R.; and Moren, Dean M., 4,874,822, Cl. 525-279.000.

Heilmann, Ulrich: *See—*

Batzill, Wolfgang; Heilmann, Ulrich; Streitberger, Hans J.; Guder, Harald; and Beck, Fritz, 4,882,090, Cl. 252-511.000.

Heilmann, Werner: *See—*

Mayr, Herbert; Heilmann, Werner; and Vorbrueggen, Helmut, 4,816,602, Cl. 562-504.000.

Heilmeier & Weinlein, Fabrik fur Oel-Hydraulic GmbH & Co. KG: *See—*

Heusser, Martin, 4,811,649, Cl. 91-47.000.

Heilmeier and Weinlein Fabrik fur Oel-Hydraulik GmbH & Co. KG: *See—*

Brunner, Rudolf, 4,863,141, Cl. 251-129.200.

Brunner, Rudolf; and Fichtenbeiner, Heiner, 4,879,945, Cl. 91-518.000.

Klemens, Harald, 4,848,390, Cl. 137-116.000.

Heilweil, Emanuel: *See—*

Virgilio, Joseph A.; Manowitz, Milton; and Heilweil, Emanuel, 4,841,063, Cl. 548-213.000.

Heilweil, Jordan B. Concealed audio-video apparatus for recording conferences and meetings. 4,881,135, 11-14-89, Cl. 358-335.000.

Heim, Peter: *See—*

Altermatt, Ernst; and Heim, Peter, 4,861,947, Cl. 174-113.00C.

Heim, Richard C.: *See—*

Rubin, Richard H.; Petrone, Benjamin J.; Heim, Richard C.; and Pawenski, Scott M., 4,852,516, Cl. 118-715.000.

Heim, Ulrich; and Albarda, Scato, to Dragerwerk Aktiengesellschaft. Arrangement for controlling a vaporizer by means of pressure fluctuations. 4,798,689, 1-17-89, Cl. 261-39.100.

Heim, Ulrich, to Dragerwerk Aktiengesellschaft. Method and apparatus for measuring the reaction of an indicator to the presence of various gases. 4,806,491, 2-21-89, Cl. 436-165.000.

Heim, Uwe: *See—*

Hammon, Fritz; Heim, Uwe; Kaemmer, Eduard; and Reuther, Hans-Peter, 4,868,017, Cl. 427-356.000.

Heim, Volker: *See—*

Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Gick, Wilhelm; Heim, Volker; Konkol, Werner; and Wiebus, Ernst, 4,879,418, Cl. 568-454.000.

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Heimann, Alfred; and Ligacz, Herbert, to Wilhelm Hegenscheidt Gesellschaft mbH. Lifting mechanism especially for a wheel set in a truing machine. 4,825,737, 5-2-89, Cl. 82-124.000.

Heimann, Alfred: *See—*

Ligacz, Herbert; Heimann, Alfred; Klosterhalfen, Hartwig; and Wittkopp, Helmut, 4,802,285, Cl. 33-551.000.

Heimann, Anthony J. Modular connector assembly for electrical utility box. 4,842,551, 6-27-89, Cl. 439-502.000.

Heimann, Bruno; Luke, Rainer; and Eichholz, Heinz-Dieter, to Friedrich Grohe Armaturenfabrik GmbH & Co. Mixing fixture for flexible-pipe spray head. 4,827,538, 5-9-89, Cl. 4-192.000.

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Achter, Eugen; and Lausch, Michael, 4,827,189, Cl. 313-623.000.

Debus, Gerhard; and Bartscher, Bernd, 4,868,461, Cl. 315-209.0SC.

Doenges, Gerhard; Dietrich, Rolf; Thoma, Helmut; and Von Unger, Eckart-Alfred, 4,841,554, Cl. 378-57.000.

Geus, Georg, 4,870,670, Cl. 378-87.000.

Glockmann, Walter; and Herwig, Thomas, 4,884,289, Cl. 378-57.000.

Lausch, Michael, 4,853,596, Cl. 313-632.000.

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Heimbach, Heinrich: *See—*

Knoblauch, Karl; Tarnow, Ferdinand; and Heimbach, Heinrich, 4,880,765, Cl. 502-432.000.

Heimbecher, Eugene F., II: *See—*

Ruben, Paul W.; Heimbecher, Eugene F., II; and Dilley, David L., 4,855,946, Cl. 364-721.000.

Heimberg, Manfred; and Rekers, Louis J., to National Distillers and Chemical Corporation. Process for preparing interpolymers of ethylene, vinyl acetate, and reactive halogen-containing monomers. 4,847,339, 7-11-89, Cl. 526-80.000.

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Tsui, Gary; and Heimbigner, Thomas, 4,804,300, Cl. 408-56.000.

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Heimbrodt, Klaus-J.; Simon, Dieter; Feichtiger, Dieter; Kneib, Rudi; Weikert, Gunther; Schneider, Wolfgang; Hoffmann, Ruediger; and Reinhard, Theodor, to Daimler-Benz Aktiengesellschaft. Vacuum distributor box. 4,827,976, 5-9-89, Cl. 137-606.000.

Heimbrodt, Klaus-J.: *See—*

Hoffmann, Ruediger; Feichtiger, Dieter; Schumacher, Josef; Haller, Peter H.; and Heimbrodt, Klaus-J., 4,811,562, Cl. 60-370.000.

Heimburg, Fritz, to General Motors Corporation. Valve mechanism for at least two simultaneously actuable valves. 4,805,567, 2-21-89, Cl. 123-90.220.

Heimerl, Albert; Brammer, Hans-Adolf; and Hofeditz, Wolfgang, to Beiersdorf Aktiengesellschaft. Adapter device for irrigating the intestine. 4,874,370, 10-17-89, Cl. 604-93.000.

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Heimerl, Sebastian: *See—*

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Heimlich, Philip F., to hiMedics, Inc. Flowable material dispenser. 4,830,225, 5-16-89, Cl. 222-153.000.

Heimlich, Robert M.: *See—*

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Heims, Dirk, to ABG Werke GmbH. Road-finishing machine. 4,836,564, 6-6-89, Cl. 280-6.120.

Hein, Bruce; and Shufflebarger, Charles, to MagneTek, Inc. Method of forming magnetic top wedge. 4,827,597, 5-9-89, Cl. 29-596.000.

Hein, Bruce; and Shufflebarger, Charles, to MagneTek, Inc. Magnetic top wedge. 4,857,788, 8-15-89, Cl. 310-214.000.

Hein, Carl C., III: *See—*

Langley, William H.; Yeatts, Roy E.; Hein, Carl C., III; and Koschak, Matthew S., 4,807,745, Cl. 206-245.000.

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Hein, Gerd, to Siemens Aktiengesellschaft. Power supply arrangement. 4,858,196, 8-15-89, Cl. 365-229.000.

Hein, Hans, to Siemens Aktiengesellschaft. Belt for machine delivery of piece goods, especially electrical components and modules in automatic circuit board assembly machines. 4,805,771, 2-21-89, Cl. 206-332.000.

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Lehmann, Wolfgang; and Neukam, Christian, 4,861,462, Cl. 209-269.000.

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Hein, Richard D., to GenCorp Inc. Slip bearing for a sway bar clamp. 4,854,766, 8-8-89, Cl. 403-224.000.

Hein, Richard W.; and Alkaitis, Anthony, deceased (by Alkaitis, Audrey V., executrix), to Mooney Chemicals, Inc. Water-soluble copper salts. 4,808,407, 2-28-89, Cl. 424-141.000.

Hein, Theo, to Mannesmann Rexroth GmbH. Arrangement for controlling the travel of two hydraulic cylinders. 4,860,634, 8-29-89, Cl. 91-363.00R.

- Hein-Werner Corporation: *See—*
  - Eck, Leonard; Liegel, Reinald D.; Naber, Charles; and Sabel, Garry J., 4,886,242, Cl. 254-8.00B.
  - Eck, Leonard F., 4,794,783, Cl. 72-447.000.
  - Tiegs, Mark D.; and Gamoke, Edward C., 4,803,783, Cl. 33-178.00R.
- Heindl, Alfons: *See—*
  - East, Gary P.; Laguette, Stephen W.; Heindl, Alfons; and Lintula, Leanne M., 4,861,331, Cl. 604-9.000.
  - Schulte, Rudolf R.; East, Gary P.; and Heindl, Alfons, 4,816,016, Cl. 604-9.000.
- Heindl, Josef; and Loge, Olaf, to Schering Aktiengesellschaft. Indole derivatives pharmaceutical preparations based thereon, and β-receptor stimulation therewith. 4,835,175, 5-30-89, Cl. 514-419.000.
- Heindl, Josef: *See—*
  - Sauer, Gerhard; Heindl, Josef; Schroeder, Gertrud; and Wachtel, Helmut, 4,863,929, Cl. 514-288.000.
- Heindl, Raymond A.; Reiling, Gilbert H.; and Suster, Albert L., to General Electric Company. Rapid restrike metal halide lamp and a method of operating such. 4,853,597, 8-1-89, Cl. 313-638.000.
- Heine, Charles F.; Barnholt, Mark C.; Hobson, Donald E.; and Pifer, Richard L., to Dana Corporation. Torsional sleeve coupling. 4,795,403, 1-3-89, Cl. 464-77.000.
- Heine, Gerold; and Stark, Joachim, to Dornier Medizintechnik GmbH. Removing a casting from a mold. 4,802,525, 2-7-89, Cl. 164-48.000.
- Heine, Hans-Georg; and Ooms, Pieter, to Bayer Aktiengesellschaft. β-fluoroacyl-β-halovinyl alkyl ethers. 4,876,393, 10-24-89, Cl. 568-415.000.
- Heine, Heinrich: *See—*
  - Prater, Klaus; Uerdingen, Walter; Heine, Heinrich; and Freitag, Dieter, 4,812,589, Cl. 558-51.000.
- Heine, Richard F.; and Tharp, Gene E., to Minnesota Mining and Manufacturing Company. Tufted carpet with tufts of fine fibers and tufts of crimped coarse fibers. 4,820,566, 4-11-89, Cl. 428-88.000.
- Heine, Werner; and Kurz, Helmut, to Kopperschmidt-Mueller GmbH & Co. KG. Apparatus for electrostatically spray coating workpieces with air ionizing neutralizing device. 4,836,137, 6-6-89, Cl. 118-663.000.
- Heine, Werner; and Muller, Thomas, to Kopperschmidt-Mueller GmbH & Co. KG. Method of electrostatically spray coating edge-supported substrates. 4,867,099, 9-19-89, Cl. 118-630.000.
- Heinecke, Guenter; and Soobik, Lembit, to Texas Instruments Incorporated. Transistor structure. 4,845,536, 7-4-89, Cl. 357-23.100.
- Heinecke, Rudolf A. H.; Ojha, Suresh M.; and Llewellyn, Ian P., to Standard Telephones and Cables Public Limited Company. Pulsed plasma process for treating a substrate. 4,824,690, 4-25-89, Cl. 427-38.000.
- Heineken Technisch Beheer B.V.: *See—*
  - Versteegh, Christiaan W., 4,861,608, Cl. 426-489.000.
- Heineman Medical Research Center: *See—*
  - Robicsek, Francis; and Morency, Richard P., 4,827,906, Cl. 128-1.00D.
- Heinemann Electric Company: *See—*
  - Fierro, Joseph, 4,886,462, Cl. 439-79.000.
- Heinemann, Heinz-Walter: *See—*
  - Tolle, Karl-Heinz; Heinemann, Heinz-Walter; Brockhaus, Jurgen; and Fiebrich, Wolfgang, 4,879,785, Cl. 16-82.000.
- Heinemann, Otto; Baldus, Heinz-Dieter; and Schroder, Norbert, to Krupp Polysius AG. Roller mill. 4,880,172, 11-14-89, Cl. 241-101.200.
- Heinemann, Otto: *See—*
  - Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmits, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, 4,861,265, Cl. 432-103.000.
- Heinemann, Otto F., to Renk Tacke GmbH. Flexible coupling. 4,838,830, 6-13-89, Cl. 464-69.000.
- Heinemann, Stanley O.: *See—*
  - Sun, Mei H.; Wickersheim, Kenneth A.; and Heinemann, Stanley O., 4,883,354, Cl. 356-128.000.
- Heinemann, Ulrich; Brandes, Wilhelm; and Hanssler, Gerd, to Bayer Aktiengesellschaft. Chloro-1,2,4-oxadiazoles. 4,826,849, 5-2-89, Cl. 514-269.000.
- Heinemans, Lodewijk: *See—*
  - Dekker, Martinus; Achten, Hubertus; and Heinemans, Lodewijk, 4,848,417, Cl. 139-452.000.
- Heinen, Dennis. Manually manipulated distance measuring tool. 4,858,328, 8-22-89, Cl. 33-722.000.
- Heinen, Gerhard: *See—*
  - Franzen, Jochen; Gabling, Reemt-Holger; Heinen, Gerhard; and Weiss, Gerhard, 4,882,484, Cl. 250-282.000.
- Heinen, Helmut; Nimke, Burkhard; and Nickolay, Helmut, to Reiners & Furst and Zinzer. Plastic traveler for spinning rings, twisting rings and the like. 4,809,491, 3-7-89, Cl. 57-125.000.
- Heinen, Jochen, to Siemens Aktiengesellschaft. Method for generating a strip waveguide. 4,818,722, 4-4-89, Cl. 437-129.000.
- Heinen, Jochen, to Siemens Aktiengesellschaft. Light-emitting-diode (LED) with spherical lens. 4,841,344, 6-20-89, Cl. 357-17.000.
- Heinen, Jochen; and Kappeler, Franz, to Siemens Aktiengesellschaft. Laser transmitter arrangement. 4,845,723, 7-4-89, Cl. 372-38.000.
- Heinen, Raymond, to Leybold-heraeus GmbH. Method and circuit for detecting and monitoring the temperature of a winding. 4,799,046, 1-17-89, Cl. 340-595.000.
- Heinen, Raymond, to Leybold-Heraeus GmbH. Method and apparatus for checking the signal path of a measuring system. 4,806,765, 2-21-89, Cl. 250-389.000.
- Heiney, Allan: *See—*
  - Wilson, Donald K.; and Heiney, Allan, 4,856,878, Cl. 350-375.000.
- Heinhuber, Bernd: *See—*
  - Grundei, Hans; Hipp, Erwin; and Heinhuber, Bernd, 4,883,489, Cl. 623-22.000.
- Heinig, Charles F.; Asher, Marc A.; and Strippgen, Walter E., to AcroMed Corporation. Surgically implantable device for spinal columns. 4,887,595, 12-19-89, Cl. 606-61.000.
- Heinig, Roger W.: *See—*
  - Pisz, Frank A.; Warnock, Arthur S.; and Heinig, Roger W., 4,824,328, Cl. 416-219.00R.
- Heinle, Dieter; and Volz, Wolfgang, to Daimler-Benz Aktiengesellschaft. Process and processor for the control of parameters of the interior air in a motor vehicle having an air conditioning system. 4,848,444, 7-18-89, Cl. 165-21.000.
- Heinle, Georg, to Siemens Aktiengesellschaft. Method and circuit for determining the speed of rotation of a rotating machine. 4,839,589, 6-13-89, Cl. 324-166.000.
- Heinlein, Hans-Jurgen: *See—*
  - Sulzbacher, Norbert; and Heinlein, Hans-Jurgen, 4,835,764, Cl. 370-29.000.
- Heinmiller, Wesley H.: *See—*
  - Bowles, Gary L., 4,841,165, Cl. 307-132.00R.
- Heinonen, Jarmo, to Oy Tampella AB. Body construction for a drilling machine. 4,842,079, 6-27-89, Cl. 173-105.000.
- Heinonen, Jarmo, to Oy Tampella AB. Arrangement for mounting of a rotation element in a drilling machine. 4,842,080, 6-27-89, Cl. 173-105.000.
- Heinonen, Jarmo, to Oy Tampella AB. Arrangement for supporting of an axial bearing of a drilling machine. 4,846,289, 7-11-89, Cl. 173-162.100.
- Heinonen, Jarmo, to Oy Tampella AB. Arrangement for supporting of a shank of a drilling machine. 4,854,394, 8-8-89, Cl. 173-105.000.
- Heinouchi, Yoshiaki: *See—*
  - Watanabe, Kouichi; and Heinouchi, Yoshiaki, 4,827,380, Cl. 361-502.000.
- Heinrich Burghart Elektro- und Feinmechanik GmbH: *See—*
  - Burghart, Heiner; and Behncke, Hans, 4,836,223, Cl. 131-329.000.
- Heinrich, Dedina M.: *See—*
  - Trinidad, John M.; Keesom, Hendrik J.; Buhrman, C. Wayne; and Heinrich, Dedina M., 4,868,851, Cl. 375-40.000.
- Heinrich, Gerhard. Process for recovering barite from drilling muds. 4,804,461, 2-14-89, Cl. 209-166.000.
- Heinrich, Hans J.; and Oelbermann, Max, to Rittershaus & Blecher GmbH. Chamber filter press. 4,853,121, 8-1-89, Cl. 210-225.000.
- Heinrich, Jurgen; and Bohmer, Manfred, to Duetsche Forchungs- und Versuchsanstalt fur Luft- und Raumfahrt e.V. Process by compacting a porous structural member for hot isostatic pressing. 4,812,272, 3-14-89, Cl. 264-65.000.
- Heinrich, Klaus-Juergen: *See—*
  - Schneider, Klaus; Osenberg, Klaus-Dieter; and Heinrich, Klaus-Juergen, 4,834,590, Cl. 406-142.000.
- Heinrich Kopp GmbH & Co. KG: *See—*
  - Flohr, Peter, 4,856,999, Cl. 439-52.000.
- Heinrich, Laurent, to Robert Bosch GmbH. Driving device for window wiper of motor vehicles. 4,878,398, 11-7-89, Cl. 74-959.000.
- Heinrich Mack Nachf.: *See—*
  - Leitold, Matyas; and Stoss, Peter, 4,883,796, Cl. 514-253.000.
  - Stoss, Peter; and Kaes, Elmar, 4,806,542, Cl. 514-274.000.
- Heinrich, Martin W.; and Fischer, Donald R., to Kohler Co. Enclosure for engine driven generator set. 4,871,922, 10-3-89, Cl. 290-1.00B.
- Heinrich, Rolf: *See—*
  - Werner, Johannes; Kerschbaum, Walter; and Heinrich, Rolf, 4,886,023, Cl. 123-197.0AC.
  - Werner, Johannes; Kerschbaum, Walter; and Heinrich, Rolf, 4,889,090, Cl. 123-197.0AC.
- Heinrich, Theodore M.; and Schauder, Colin D., to Westinghouse Electric Corp. Regenerative two-quadrant converter. 4,805,082, 2-14-89, Cl. 363-129.000.
- Heinrich, Theodore M., to Westinghouse Electric Corp. Method of operating a-c drive with parallel connected d-c link power converters. 4,849,870, 7-18-89, Cl. 363-37.000.
- Heinrich, Theodore M.: *See—*
  - Schauder, Colin D.; Rosa, John; and Heinrich, Theodore M., 4,814,964, Cl. 363-37.000.
- Heinrich, William P.; Leopoldi, Norbert; and Brewer, Richard, to Cloverline, Inc., The. Combination sheath and foldable shield for hypodermic syringe needle. 4,850,976, 7-25-89, Cl. 604-192.000.
- Heinrich, William P.: *See—*
  - Leopoldi, Norbert; and Heinrich, William P., 4,809,141, Cl. 362-99.000.
- Heinrich, Winfried; Pawlik, Horst; and Schmidt, Nikolaus, to Jenoptik Jena GmbH. Method for the phase synchronization of step-drive controlled equipment. 4,831,319, 5-16-89, Cl. 318-696.000.
- Heinrich, Winfried; and Schmidt, Nikolaus, to Jenoptik Jena G.m.b.H. Method for the phase synchronization of step-drive controlled equipment. 4,833,385, 5-23-89, Cl. 318-696.000.
- Heinrichs, Peter E. Machine for moving workpieces and the like. 4,848,173, 7-18-89, Cl. 74-84.00R.
- Heins, Ferdinand: *See—*
  - Tork, Leo; Vogt, Hans-Gunter; and Heins, Ferdinand, 4,880,673, Cl. 427-412.000.
- Heins, Hans-Peter; Keiter, Alfred; and Jendricke, Hermann, to AEG Olympia Aktiengesellschaft. Reloadable ribbon cassette system. 4,861,177, 8-29-89, Cl. 400-208.000.

- Heins, Hans-Peter: *See—*
  - Lange, Heinz; Heins, Hans-Peter; and Jendricke, Hermann, 4,854,755, Cl. 400-208.100.
- Heinsohn, George E., to Du Pont de Nemours, E. I., and Company. Process for separating methyl isocyanate. 4,824,991, 4-25-89, Cl. 560-352.000.
- Heintz Corporation: *See—*
  - Rozmus, Walter J., 4,815,648, Cl. 228-3.100.
- Heintz, Richard P.: *See—*
  - Lambers, Howard J.; Herder, Michael D.; and Heintz, Richard P., 4,843,949, Cl. 91-437.000.
- Heintz, Robert M.: *See—*
  - Getman, Daniel P.; and Heintz, Robert M., 4,801,665, Cl. 525-350.000.
  - Getman, Daniel P.; and Heintz, Robert M., 4,879,371, Cl. 530-334.000.
- Heintzberger, Antonius H.; and Melia, John. Automatic headlight control system. 4,831,310, 5-16-89, Cl. 315-77.000.
- Heinz, Erhard: *See—*
  - Sanz, Erich; and Heinz, Erhard, 4,838,431, Cl. 206-631.000.
- Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; and Henkelmann, Jochem, to BASF Aktiengesellschaft. Preparation of polyaryl ether ketones. 4,837,296, 6-6-89, Cl. 528-125.000.
- Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; Henkelmann, Jochem; Muenstedt, Helmut; and Ittemann, Peter, to BASF Aktiengesellschaft. Highly heat-resistant polyaryl ether ketones. 4,867,912, 9-19-89, Cl. 528-125.000.
- Heinz, Gerhard: *See—*
  - Eggersdorfer, Manfred; Henkelmann, Jochem; Heinz, Gerhard; and Koch, Juergen, 4,835,242, Cl. 528-125.000.
  - Hub, Hans-Henning; Simon, Georg N.; Heinz, Gerhard; Ziegler, Walter; and Sadlowski, Juergen, 4,880,876, Cl. 525-67.000.
  - Lauberg, Dietrich; Blinne, Gerd; Ittemann, Peter; Heinz, Gerhard; Seiler, Erhard; and Knoll, Manfred, 4,798,855, Cl. 523-435.000.
- Heinz, Kurt; and Felber, Johannes, to Willi Studer AG. Method of, and apparatus for, regulating the rotational speed of an electric motor in a four quadrant mode of operation. 4,818,923, 4-4-89, Cl. 318-318.000.
- Heinz, Richard; Hartmann, Willi; Willmann, Hartmut; and Walter, Josef, to Robert Bosch GmbH. Magnetic structure for suppressing magnetic cross talk among rotary transducers on a common rotary disc. 4,816,950, 3-28-89, Cl. 360-128.000.
- Heinz, Rieder; and Schwaiger, Max, to RSF-Elektronik Gesellschaft m.b.H. Optoelectronic measuring system. 4,867,568, 9-19-89, Cl. 356-374.000.
- Heinz, Robert: *See—*
  - Buehler, Volker; Hofmann, Friedbert; and Heinz, Robert, 4,800,086, Cl. 424-497.000.
- Heinz, Ruhl: *See—*
  - Zahlaus, Helmut, 4,889,467, Cl. 414-746.200.
- Heinz Spagyrik Institut Ag: *See—*
  - Heinz, Ullrich, 4,847,206, Cl. 436-63.000.
- Heinz, Steven J., to Zenith Electronics Corporation. Wide band VCR with comb filter inhibition. 4,831,443, 5-16-89, Cl. 358-147.000.
- Heinz, Ullrich, to Heinz Spagyrik Institut Ag. Method for the crystal morphological analysis of blood and urine, for early diagnosis and for the production of medicaments. 4,847,206, 7-11-89, Cl. 436-63.000.
- Heinz-Wagner, Paul: *See—*
  - Wagner, Paul-Heinz; Meyer, Alois; Hirtsiefer, Karl-Richard; and Beske, Karl, 4,805,496, Cl. 81-57.390.
- Heinz, Winfried: *See—*
  - Schwarz, Wilhelm; and Heinz, Winfried, 4,852,857, Cl. 266-99.000.
- Heinze, Horst: *See—*
  - Weber, Gunther; and Heinze, Horst, 4,843,932, Cl. 83-490.000.
- Heinze, Juergen; and Hinkelmann, Klaus, to BASF Aktiengesellschaft. Electrically conductive polymer films. 4,835,076, 5-30-89, Cl. 429-213.000.
- Heinze, Reinhard; Morgenthaler, Klaus; Maiwald, Ines; and Kroenert, Wolfgang, to Daimler-Benz Aktiengesellschaft. Heat-insulating lining for a gas turbine. 4,810,677, 3-7-89, Cl. 501-95.000.
- Heinze, Roland; and Stangl, Karl, to Siemens Aktiengesellschaft. Apparatus for measuring impedance of body tissue. 4,805,621, 2-21-89, Cl. 128-419.0PG.
- Heinze, Roland; and Stangl, Karl, to Siemens Aktiengesellschaft. Apparatus and method for impedance measurement of body tissues. 4,823,797, 4-25-89, Cl. 128-419.0PG.
- Heinze, Roland; and Elmqvist, Hakan, to Siemens Aktiengesellschaft. Measuring instrument for intracardial acquisition of blood oxygen saturation. 4,830,488, 5-16-89, Cl. 356-41.000.
- Heinze, Roland; and Liess, Hans D., to Siemens Aktiengesellschaft. Measuring arrangement for controlling an implantable body-assist device. 4,870,967, 10-3-89, Cl. 128-419.0PG.
- Heinze, Roland; and Liess, Hans-Dieter, to Siemens Aktiengesellschaft. Sensor arrangement for the control of implantable devices. 4,877,032, 10-31-89, Cl. 128-419.0PG.
- Heinze, Roland: *See—*
  - Liess, Hans D.; and Heinze, Roland, 4,807,632, Cl. 128-634.000.
  - Wertzfeld, Alexander; and Heinze, Roland, 4,870,968, Cl. 128-419.0PG.
- Heinzel, Angelika, to Siemens Aktiengesellschaft. Redox battery. 4,882,241, 11-21-89, Cl. 429-19.000.
- Heinzel, Regina; Appelhans, Heribert; Gassen, Hans G.; Machleidt, Werner; and Seemuller, Ursula, to Grunenthal GmbH. DNA sequences coding for proteins having the biological activity of HUSI-type I inhibitors, biotechnological methods for the preparation of said proteins and pharmaceutical compositions containing said proteins. 4,845,076, 7-4-89, Cl. 514-12.000.
- Heinzel, Winfried: *See—*
  - Ullrich, Lothar; Jung, Gunter; Burger, Diethard; Alschweig, Hans-Gunther; Schonborn, Hartmut; and Heinzel, Winfried, 4,862,609, Cl. 38-93.000.
- Heinzelmann, Karl A., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Phone management server for use with a personal computer LAN. 4,866,758, 9-12-89, Cl. 379-94.000.
- Heinzen, Ralph. Trailer with automatic boat docker. 4,826,197, 5-2-89, Cl. 280-414.100.
- Heinzerling, Paul H., to U.S. Philips Corporation. Circuit arrangement for a picture display device for the stabilization of the size of the picture displayed. 4,870,331, 9-26-89, Cl. 315-411.000.
- Heinzl, Joachim; Lehmann, Manfred; and Trausch, Gunter E., to Siemens Aktiengesellschaft. Ink writing head with piezoelectrically excitable membrane. 4,888,598, 12-19-89, Cl. 346-140.00R.
- Heinzle, Otto, to Jugo-Import-Export-Anstalt. Segmental formwork for round structures. 4,874,150, 10-17-89, Cl. 249-18.000.
- Heinzman, Homer W., to LTV Aerospace and Defense Company. Optical communication systems using star couplers. 4,826,275, 5-2-89, Cl. 350-96.160.
- Heinzmann, Albert; and Rottweiller, Gerhard. Method and apparatus for continuous production of impregnated compound. 4,889,429, 12-26-89, Cl. 366-71.000.
- Heinzmann, Helmut: *See—*
  - Meyer, Richard; Heinzmann, Helmut; and Muller, Wolfgang, 4,809,445, Cl. 34-117.000.
  - Meyer, Richard; Muller, Wolfgang; and Heinzmann, Helmut, 4,856,205, Cl. 34-117.000.
- Heiple, Ashley, to Rockland, Inc. Tool attachment means for tractors. 4,848,483, 7-18-89, Cl. 172-821.000.
- Heise, Gerhard; Wolff, Ulrich; and Matz, Richard. Method for generating a lattice structure with a phase shift on the surface of a substrate. 4,859,548, 8-22-89, Cl. 430-1.000.
- Heise, Hartmut: *See—*
  - Heck, Dieter; Heise, Hartmut; and Hintzmann, Manfred, 4,847,426, Cl. 568-587.000.
- Heise, Keith H.: *See—*
  - Disselkoen, Allen D., Jr.; Gargiulo, Robert F.; Haywood, James E.; Heise, Keith H.; Holcomb, Darrell H.; Kramer, Stuart C.; Miller, Gregory R.; Nicholson, Jeffrey S.; Olinger, Jeffrey J.; and Spenny, Curtis H., 4,877,202, Cl. 244-122.00A.
- Heise, Wolfgang; Kell, Georg; and Schuster, Rolf, to Degussa Aktiengesellschaft. Graphite holding elements for heating bars in industrial furnaces. 4,870,256, 9-26-89, Cl. 219-542.000.
- Heisel, Michael; and Linde, Gerhard, to Linde Aktiengesellschaft. Claus residual gas cleanup using tetraethylene glycol dimethyl ethers as SO_2 scrubbing agent. 4,795,620, 1-3-89, Cl. 423-243.000.
- Heiser, Bernd; and Stoller, Hansjorg, to Hoffmann-La Roche Inc. Isomerization. 4,861,890, 8-29-89, Cl. 546-184.000.
- Heiser, Bernd: *See—*
  - Broger, Emil A.; Crameri, Yvo; and Heiser, Bernd, 4,857,648, Cl. 546-147.000.
- Heisey, Raymond K., Jr.; Barker, W. David; Mariano, Arturo C.; and Thurnau, Vernon L., to Butler Manufacturing Company. Spacer block for standing seam roof. 4,873,808, 10-17-89, Cl. 52-478.000.
- Heisey, William L.: *See—*
  - Armstrong, Richard J.; and Granzotto, Robert, 4,874,143, Cl. 242-198.000.
- Heising, Ferdinand, to Bergwerksverband GmbH. Chain scraper conveyor. 4,815,586, 3-28-89, Cl. 198-727.000.
- Heiskell, Ronald E.: *See—*
  - Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., 4,882,917, Cl. 68-17.00A.
- Heisler, Mark: *See—*
  - Pemawansa, Kariyawasam P. W.; Heisler, Mark; and Kraus, Menahem, 4,824,870, Cl. 521-53.000.
- Heisler, Ralph T.: *See—*
  - Torossian, Kevork A.; Heisler, Ralph T.; and Cox, Frederick E., 4,803,028, Cl. 264-263.000.
- Heissel, Uwe: *See—*
  - Hauser, Karl-Heinz; Heissel, Uwe; Inauen, Walter; Neff, Karl; and Ringger, Manfred, 4,887,477, Cl. 74-89.170.
- Heissenberger, Gail M.; Dearden, Timothy E.; and Zehnpfennig, David M., to Hughes Aircraft Company. Dual port alignment assembly station for attaching components to circuit boards. 4,866,837, 9-19-89, Cl. 29-741.000.
- Heisson, Gary J. Fluid waste transporter. 4,877,261, 10-31-89, Cl. 280-47.260.
- Heistand, Robert H., II, to Dow Chemical Company, The. Narrow size distribution zinc oxide. 4,808,398, 2-28-89, Cl. 423-622.000.
- Heistand, Robert H., II; and Duquette, Lawrence G., to Dow Chemical Company, The. Preparation of ABO_3 compounds from mixed metal aromatic coordination complexes. 4,880,758, 11-14-89, Cl. 423-21.100.
- Heit, Werner: *See—*
  - Groher, Manfred; Heit, Werner; Schmittner, Walter; and Warzawa, Wolfgang, 4,857,359, Cl. 427-6.000.
- Heithoff, Robert B.; and Groetzinger, John K., to PPG Industries, Inc. Air cooled rotary kiln collar. 4,836,775, 6-6-89, Cl. 432-112.000.
- Heithoff, Robert B.: *See—*
  - Gerutti, Richard L.; Haskins, David R.; Heithoff, Robert B.; Schwenninger, Ronald L.; and Welton, Wright M., 4,886,539, Cl. 65-135.000.

Heitkamper, Peter: *See—*

Konig, Klaus; and Heitkamper, Peter, 4,888,125, Cl. 252-182.210.

Heitman, Jurgen, to Robert Bosch GmbH. Method and apparatus for concealing errors in reproduced digital signals utilizing fir filter. 4,875,106, 10-17-89, Cl. 358-314.000.

Heitmann, Juergen: *See—*

Geissler, Friedrich; Zwack, Eduard; and Heitmann, Juergen, 4,835,481, Cl. 328-155.000.

Heitmann, Jurgen; and Wagner, Peter, to Robert Bosch GmbH. Signal error concealment circuit and method. 4,825,440, 4-25-89, Cl. 371-31.000.

Heitmann, Jurgen; and Wagner, Peter, to Robert Bosch GmbH. Recognition and compensation of errors in a digital video signal. 4,837,624, 6-6-89, Cl. 358-166.000.

Heitmann, Jurgen; and Loos, Rolf, to Robert Bosch GmbH. Method of transmitting digitally coded signals. 4,849,994, 7-18-89, Cl. 375-114.000.

Heitmann, Jurgen, to Robert Bosch GmbH. Processor for video signals obtained from an information carrier such as a magnetic tape. 4,864,422, 9-5-89, Cl. 358-314.000.

Heitmann, Jurgen: *See—*

Noske, Reiner; Richter, Hans-Peter; and Heitmann, Jurgen, 4,851,909, Cl. 358-149.000.

Heitmann, Uwe; and Brand, Peter, to Korber AG. Method and apparatus for building a continuous stream of tobacco or the like. 4,869,273, 9-26-89, Cl. 131-84.300.

Heitmann, Uwe; and Brand, Peter, to Korber AG. Method of and apparatus for simultaneously making plural tobacco streams. 4,889,138, 12-26-89, Cl. 131-84.100.

Heitmann, Uwe, to Korber AG. Method of and machine for making a rod-like filler of fibrous material. 4,889,139, 12-26-89, Cl. 131-84.300.

Heitmann, Uwe: *See—*

Hensgen, Gerhard; Heitmann, Uwe; Brand, Peter; and Pinck, Peter, 4,860,772, Cl. 131-84.100.

Lorenzen, Heinz-Christen; Heitmann, Uwe; and Siems, Wolfgang, 4,865,054, Cl. 131-280.000.

Pinck, Peter; Lorenzen, Heinz-Christen; Heitmann, Uwe; and Siems, Wolfgang, 4,878,506, Cl. 131-84.400.

Heitner, Cyril: *See—*

Liebergott, Norman; and Heitner, Cyril, 4,804,440, Cl. 162-70.000.

Heitz, James R.; and Hawkins, James A., to Van Landingham, L. S., Jr. Combatting internal parasites in warm blooded animals. 4,846,788, 7-11-89, Cl. 604-20.000.

Heitz, James R.; and Hawkins, James A., to Van Landingham, L. S., Jr. Combatting internal parasites in warm blooded animals. 4,846,789, 7-11-89, Cl. 604-49.000.

Heitz, Lionel: *See—*

Quatse, Jesse T.; Heitz, Lionel; Pergent, Jacky; and Penot, Olivier, 4,864,531, Cl. 364-900.000.

Heitz, Thomas: *See—*

Eichenauer, Herbert; Hocker, Hartwig; and Heitz, Thomas, 4,859,731, Cl. 524-291.000.

Heitz, Walter; and Brugging, Wilhelm, to Bayer Aktiengesellschaft. Substituted aromatic polyesters. 4,835,244, 5-30-89, Cl. 528-176.000.

Heitz, Walter; and Schneider, Karl-Heinrich, to Bayer Aktiengesellschaft. Polyphenylene oxides with high molecular weight and a process for their preparation and their use. 4,839,436, 6-13-89, Cl. 525-397.000.

Heitz, Walter; and Schmidt, Hans-Werner, to Bayer Aktiengesellschaft. Aromatic polyester from substituted hydroquinone and biphenyl dicarboxylic acid. 4,866,154, 9-12-89, Cl. 528-190.000.

Heitz, Walter L., to Shell Oil Company. Coal gasification process. 4,874,397, 10-17-89, Cl. 48-210.000.

Heitz, William D., to Union Carbide Corporation. Process for extrusion. 4,814,135, 3-21-89, Cl. 264-564.000.

Heitzig, Jurgen: *See—*

Bebermeier, Jurgen; Fischer, Werner; Heitzig, Jurgen; and Eberhard, Gunter, 4,811,934, Cl. 267-140.100.

Eberhard, Gunter; and Heitzig, Jurgen, 4,830,346, Cl. 267-140.100.

Heitzman, Edna Mae: *See—*

Heitzman-Powell, Linda S.; and Heitzman, Edna Mae, 4,865,380, Cl. 297-184.000.

Heitzman, Edward F.; and Heitzman, Edward J. Real time video data acquisition systems. 4,814,896, 3-21-89, Cl. 358-335.000.

Heitzman, Edward J.: *See—*

Heitzman, Edward F.; and Heitzman, Edward J., 4,814,896, Cl. 358-335.000.

Heitzman, George D. L., III, to Boeing Company, The. Method and apparatus for locating the web center of a beam. 4,858,334, 8-22-89, Cl. 33-673.000.

Heitzman-Powell, Linda S.; and Heitzman, Edna Mae. Universal portable seat cushion w/retractable sunshade device for seated-person. 4,865,380, 9-12-89, Cl. 297-184.000.

Heitzmann, Bruno: *See—*

Haberhauer, Karl; Feyerabend, Klaus D.; Heitzmann, Bruno; Lieberenz, Alfred; and Schimmel, Harry, 4,826,351, Cl. 404-35.000.

Heitzmann, Michel: *See—*

Boudot, Marianne; and Heitzmann, Michel, 4,864,384, Cl. 357-68.000.

Jeuch, Pierre; and Heitzmann, Michel, 4,849,369, Cl. 437-43.000.

Heitzmann, Richard F.; Gravitt, Billy B.; and Sawyer, James L., to Pyrament, Inc. Cement composition curable at low temperatures. 4,842,649, 6-27-89, Cl. 106-89.000.

Heja, Gergely: *See—*

Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.

Hejduk, Jiri: *See—*

Kotrba, Zdenek; Jaros, Frantisek; Burysek, Frantisek; Kubovy, Miloslav; Hejduk, Jiri; and Bures, Pavel, 4,852,340, Cl. 57-301.000.

Hejjas, Istvan: *See—*

Biro, Gabor; Breitner, Robert; Fazekas, Gabor; Hejjas, Istvan; Niklai, Peter; Rubik, Erno ; Szabo, Karoly; and Tothmatyas, Istvan, 4,817,952, Cl. 273-153.00S.

Hejman, Conny; Koran, Laszlo; and Mossheden, Bo, to Nils Weibull AB. Scraper for sugar centrifuge. 4,818,296, 4-4-89, Cl. 127-2.000.

Hekal, Ihab M., to Continental Can Company, Inc. Process for the low temperature pasteurization of liquid comestibles. 4,857,343, 8-15-89, Cl. 426-239.000.

Hekele, Wilhelm: *See—*

LeBisch, Helmut; Basel, Rainer; Fuchs, Georg; Dietmar, Hermann; Wipfelder, Ernst; and Hekele, Wilhelm, 4,871,502, Cl. 264-222.000.

Heki, Tatsuo; and Inoue, Noriyuki, to Fuji Photo Film Co., Ltd. Process of forming solid granular film. 4,816,290, 3-28-89, Cl. 427-430.100.

Heki, Tatsuo; and Inoue, Noriyuki, to Fuji Photo Film Co., Ltd. Direct positive color image forming process. 4,863,839, 9-5-89, Cl. 430-378.000.

Heki, Tatsuo; Inoue, Noriyuki; and Hirano, Shigeo, to Fuji Photo Film Co., Ltd. Method for forming direct positive image comprising developing with a combination of a nucleating agent and a hydrazine derivative. 4,880,729, 11-14-89, Cl. 430-410.000.

Heki, Tatsuo: *See—*

Hirano, Shigeo; Kojima, Tetsuro; Yamamoto, Mitsuru; Inoue, Noriyuki; and Heki, Tatsuo, 4,859,579, Cl. 430-598.000.

Hirano, Shigeo; Inoue, Noriyuki; and Heki, Tatsuo, 4,877,723, Cl. 430-598.000.

Inoue, Noriyuki; and Heki, Tatsuo, 4,801,520, Cl. 430-378.000.

Inoue, Noriyuki; Heki, Tatsuo; and Hirano, Shigeo, 4,835,091, Cl. 430-378.000.

Inoue, Noriyuki; Heki, Tatsuo; and Kojima, Tetsuro, 4,871,653, Cl. 430-409.000.

Inoue, Noriyuki; and Heki, Tatsuo, 4,880,727, Cl. 430-378.000.

Murai, Ashita; Mifune, Hiroyuki; and Heki, Tatsuo, 4,863,845, Cl. 430-569.000.

Yoshida, Tetsuo; and Heki, Tatsuo, 4,857,445, Cl. 430-509.000.

Hekimian Laboratories, Inc.: *See—*

Hekimian, Norris C.; and Ingle, James F., 4,833,675, Cl. 370-100.000.

Hekimian, Norris C.; and Ingle, James F., to Hekimian Laboratories, Inc.; and Bell Communications Research, Inc. PCM frame slip detection in a channel. 4,833,675, 5-23-89, Cl. 370-100.000.

Hekker, Roeland M. T.; and Livny, Izhak M., to Global Holonetics Corporation. Control means and method for optical inspection system. 4,878,736, 11-7-89, Cl. 350-162.130.

Hekman, Frederick A., to General Motors Corporation. Split bearing assemblies, method for making. 4,860,419, 8-29-89, Cl. 29-156.50A.

Hektner, Andrew P.: *See—*

Asplund, Timothy K.; and Hektner, Andrew P., 4,835,852, Cl. 29-464.000.

Helanniemi, Jorma T.: *See—*

von Alfthan, George C.; and Helanniemi, Jorma T., 4,876,902, Cl. 73-863.830.

Helber, Rolf: *See—*

Doncker, Francis; Helber, Rolf; Welzel, Gerhard; and Bung, Richard, 4,852,533, Cl. 123-192.00R.

Helberg, Gunnar I., to Dow Chemical Company, The. Heat exchanger with novel seal for tube sheet. 4,825,942, 5-2-89, Cl. 165-158.000.

Helbers, Jan; Scholl, Frederick W.; and Coden, Michael H., to Codenoll Technology Corporation. Method and apparatus for detecting the collision of data packets. 4,885,743, 12-5-89, Cl. 370-85.200.

Helbig, Gunter: *See—*

Barowski, Karlheinz; and Helbig, Gunter, 4,803,341, Cl. 219-222.000.

Helbig, Michael; and Staudt, Heinrich, to Franke & Heydrich KG. Roller bearing for rotary or linear applications. 4,797,008, 1-10-89, Cl. 384-49.000.

Helbig, Peter: *See—*

Eckhardt, Fritz; Helbig, Peter; and Schonherr, Walter, 4,795,939, Cl. 313-318.000.

Helbling, Alois, to Dow Chemical Company, The. Curable latex composition, films and foams formed therefrom and method for curing the composition. 4,857,566, 8-15-89, Cl. 523-409.000.

Helbling, Edward. Automatic infusion-beverage apparatus. 4,858,523, 8-22-89, Cl. 99-280.000.

Held, Daniel N.: *See—*

Zebker, Howard A.; Held, Daniel N.; van Zul, Jakob J.; Dubois, Pascale C.; and Norikane, Lynne, 4,829,303, Cl. 342-25.000.

Held-Elbert, Gabriele; Kaiser, Wolfgang; Koch, Wilhelm; and Schmutzler, Werner, to Siemens Aktiengesellschaft. Method for determining telephone dial pulse parameters independently of subscriber line length. 4,839,920, 6-13-89, Cl. 379-377.000.

Held, Helmut, to Deutsche Thomson-Brandt GmbH. Record-player switch-off device. 4,827,467, 5-2-89, Cl. 369-243.000.

Held, John F.; and Lauer, Barry A., to LTV Steel Company, Inc. As-hot rolled bar steel. 4,806,177, 2-21-89, Cl. 148-320.000.

Held, Kurt. Apparatus for producing processed wood material panels. 4,802,837, 2-7-89, Cl. 425-230.000.

Held, Kurt. Method and device for the division of metal coated laminate webs into individual panels. 4,804,428, 2-14-89, Cl. 156-267.000.

Held, Kurt. Sliding seal construction for double band press apparatus. 4,816,114, 3-28-89, Cl. 156-555.000.

Held, Kurt. Device for continuous production of thermoplastic webs. 4,826,560, 5-2-89, Cl. 156-498.000.

Held, Kurt. Process for continuous production of thermoplastic webs. 4,844,766, 7-4-89, Cl. 156-309.900.

Held, Manfred; and Kirsche, Horst, to Messerschmitt-Bolkow-Blohm GmbH. Projectile ignition device. 4,799,427, 1-24-89, Cl. 102-215.000.

Held, Robert P.: *See—*

McCartin, Peter J.; Grubb, Eugene L.; Held, Robert P.; Matrick, Howard; and Rakoczy, Bohdan, 4,869,996, Cl. 430-286.000.

Held, Uwe: *See—*

Hoefer, Rainer; Schmid, Karl H.; Asbeck, Adolf; and Held, Uwe, 4,797,222, Cl. 252-174.210.

Held, William T. Canopy attachment for a golf cart. 4,830,037, 5-16-89, Cl. 135-88.000.

Helder, Dorothy J.: *See—*

Skogler, Brian I.; Schofield, Kenneth; Lantz, William P.; Nyhof, Eldon J.; Helder, Dorothy J.; and Flowerday, Charles M., 4,807,096, Cl. 362-142.000.

Helderman, Earl R.; Holmes, Robert E.; and Zimmerman, Robert R., to Tektronix, Inc. Zirconium thin-film metal conductor systems. 4,847,445, 7-11-89, Cl. 174-68.500.

Heldman, Eliahu: *See—*

Fisher, Abraham; Karton, Ishai; Heldman, Eliahu; Levy, Aharon; and Grunfeld, Yona, 4,855,290, Cl. 514-278.000.

Heleen, Harold E.; and Heleen, Lucille M. Bag tie dispenser. 4,840,319, 6-20-89, Cl. 242-55 530.

Heleen, Lucille M.: *See—*

Heleen, Harold E.; and Heleen, Lucille M., 4,840,319, Cl. 242-55.530.

Helen of Troy Corporation: *See—*

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Helena Laboratories Corporation: *See—*

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Mayes, Ronald A.; and Golias, Tipton A., 4,799,597, Cl. 215-250.000.

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Sarrine, Robert J.; and Garsee, Henry A., 4,827,780, Cl. 73-864.210.

Sarrine, Robert J., 4,828,670, Cl. 204-299.00R.

Sarrine, Robert J.; Garsee, Henry A.; Kelley, Charles D.; and Guadagno, Philip A., 4,890,247, Cl. 364-571.040.

Helenbrook, Howard J.: *See—*

Kwarta, Michelle S.; Helenbrook, Howard J.; and Spence, John M., 4,814,250, Cl. 430-110.000.

Helene, Claude: *See—*

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Helene Curtis, Inc.: *See—*

LaPetina, Donna M.; and Patel, Chaitanya, 4,830,774, Cl. 252-174.240.

Helesfai, Stephen: *See—*

Miller, Harry C.; and Helesfai, Stephen, 4,796,446, Cl. 70-316.000.

Miller, Harry C.; and Helesfai, Stephen, 4,803,859, Cl. 70-323.000.

Helet, Ross G.: *See—*

Smock, Steven W.; and Helet, Ross G., 4,868,997, Cl. 34-53.000.

Helevirta, Pertti: *See—*

Tormala, Pertti; Rokkanen, Pentti; Oikarinen, Valle J.; Vainionpaa, Seppo; and Helevirta, Pertti, 4,863,472, Cl. 623-16.000.

Helf, Brant M.: *See—*

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Helfand, Leon: *See—*

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Helfand, Rita: *See—*

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Helfenberger, Hans, to Sandoz Ltd. Oil in water emulsion containing propetamphos. 4,795,640, 1-3-89, Cl. 424-405.000.

Helfer, Jeffrey L.; Porte, Johannes J.; and Middleton, David H., to Eastman Kodak Company. Cuvette with non-flexing thermally conductive wall. 4,810,653, 3-7-89, Cl. 435-316.000.

Helfer, Jeffrey L., to Eastman Kodak Company. Perfusion angioplasty catheter with pump assist. 4,857,054, 8-15-89, Cl. 604-102.000.

Helfer, Joel: *See—*

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Helfer, Roland: *See—*

Ermacora, Rino; and Helfer, Roland, 4,848,069, Cl. 56-15.800.

Helferich, Richard J., to Helferich, Richard J.; and Schwartz, Martin A. Variable speed transmission recording and retrieval of data. 4,864,301, 9-5-89, Cl. 347-110.000.

Helferich, Richard L.; and Schenck, Robert C., to Duriron Company, Inc., The. Kiln furniture for the firing of ceramic articles. 4,812,424, 3-14-89, Cl. 501-84.000.

Helferich, Richard L., to Duriron Company, Inc., The. Porous ceramic shapes, compositions for the preparation thereof, and method for producing same. 4,814,300, 3-21-89, Cl. 501-84.000.

Helferich, Richard L.; and Schenck, Robert C., to Duriron Company, Inc., The. Methods for the manufacture of porous ceramic shapes containing membraneous surfaces. 4,846,906, 7-11-89, Cl. 156-89.000.

Helferich, Richard L.; and Schenck, Robert C., to Duriron Company, Inc., The. Process for producing porous ceramic filter for filtering of particulates from diesel exhaust gases. 4,871,495, 10-3-89, Cl. 264-43.000.

Helferich, Richard L., to Duriron Company, Inc., The. Method for manufacture of porous refractory articles. 4,878,947, 11-7-89, Cl. 106-75.000.

Helfert, Ivan: *See—*

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Helfet, Peter R.: *See—*

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Helfgott, Theodore; and Corn, Michael R., to Amerada Hess Corporation. System and process for treatment of biodegradable waste. 4,844,813, 7-4-89, Cl. 210-747.000.

Helfrich, Bob. Seating apparatus planar fold sling. 4,807,930, 2-28-89, Cl. 297-219.000.

Helfritch, Dennis J., to Research-Cottrell, Inc. Radiation for the selective destruction of toxic molecules on solid surfaces. 4,832,806, 5-23-89, Cl. 204-157.440.

Helfritch, Dennis J.: *See—*

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Helft, Ross G.: *See—*

Adams, George W.; Smock, Steven W.; and Helft, Ross G., 4,841,496, Cl. 368-107.000.

Helger, Roland: *See—*

Henkel, Eberhard; Dolabdjian, Barkew; Helger, Roland; Klink, Rainer; and Wurzburg, Uwe, 4,857,640, Cl. 536-4.100.

Helgeson, Roger C.: *See—*

Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.

Helin, Stig-Aake. Method of making a bottle and packaging a water ration therein. 4,832,965, 5-23-89, Cl. 426-66.000.

Helinski, Richard R.: *See—*

Daggett, Robert C.; Helinski, Richard R.; Howard, Robert; and Magee, Mark W., 4,870,430, Cl. 346-140.00R.

Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., to GAF Corporation. Compositions used in permanent alteration of hair color. 4,834,767, 5-30-89, Cl. 8-416.000.

Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., to GAF Corporation. Compositions used in permanent structure altering of hair. 4,871,535, 10-3-89, Cl. 424-71.000.

Helioff, Michael W.: *See—*

Bires, Carmen D.; Helioff, Michael W.; and Chaudhuri, Ratan K., 4,848,377, Cl. 132-222.000.

Chaudhuri, Ratan K.; Helioff, Michael W.; and Login, Robert B., 4,808,569, Cl. 512-2.000.

Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,830,850, Cl. 424-70.000.

Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,834,970, Cl. 424-70.000.

Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,837,013, Cl. 424-70.000.

Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,883,655, Cl. 424-70.000.

Heliotronic Forschungs- und Entwicklungsgesellschaft fur Solarzellen-GmbH: *See—*

Baueregger, Rolf; Bildl, Erich; and Dietl, Josef, 4,871,117, Cl. 241-23.000.

Helix Enterprises, Inc.: *See—*

Nitzberg, Leonard R.; and Carmack, Paul D., 4,800,913, Cl. 137-68.100.

Nitzberg, Leonard R.; and Carmack, Paul D., 4,827,960, Cl. 137-68.100.

Nitzberg, Leonard R.; and Carmack, Paul D., 4,827,961, Cl. 137-68.100.

Helix Group PLC.: *See—*

Warwicker, Clive W., 4,858,326, Cl. 33-27.020.

Helix Technology Corporation: *See—*

Bartlett, Allen J., 4,796,433, Cl. 62-54.000.

Bartlett, Allen J., 4,803,844, Cl. 62-55.500.

Bell, Steven H.; Stira, Mark A.; and Blotzer, James, 4,884,410, Cl. 62-77.000.

Bourke, Edward L.; and Cartwright, James E., 4,834,136, Cl. 137-549.000.

Harvell, John T.; and Lessard, Philip A., 4,860,546, Cl. 62-55.500.

Higham, Graham J., 4,798,054, Cl. 62-6.000.

Higham, Graham J., 4,819,439, Cl. 62-6.000.

Higham, Graham J.; Morris, Ronald N.; and Pruitt, Gerald R., 4,860,543, Cl. 62-6.000.

Klusmier, Lawrence A.; Clarke, Hans T.; and Gatto, Gary, 4,831,828, Cl. 62-6.000.

Nicoll, Harry G., 4,799,359, Cl. 62-6.000.

Pruitt, Gerald R.; and Bertsch, Peter, 4,873,913, Cl. 92-158.000.

Tugal, Halil, 4,833,899, Cl. 62-55.500.

Tugal, Halil; and Gaudet, Peter W., 4,835,972, Cl. 62-50.100.

Tugal, Halil; and Bent, Bruce R., 4,862,697, Cl. 62-55.500.

Weeks, Alan L., 4,842,287, Cl. 277-53.000.

Hella KG Hueck & Co.: *See—*

Ernst, Hans-Otto; and Cramer, Herbert, 4,811,178, Cl. 362-226.000.

Hella, Terry A.; and Stibbe, Paul H., to Advance Systems, Inc. Apparatus for floatingly suspending a running web through an arcuate path. 4,837,946, 6-13-89, Cl. 34-156.000.

Helland, Ingolv. Clamping means for attaching the ends of a conveyor coil spring to a journal pin. 4,872,547, 10-10-89, Cl. 198-659.000.

- Hellat, Jaan; and Keller, Jakob, to BBC Brown Boveri AG. Combustion chamber for gas turbine. 4,805,411, 2-21-89, Cl. 60-733.000.
- Helle, Amiel R.: *See—*
  - Dillon, Benny N.; Williams, James F.; Niese, Leo J.; and Helle, Amiel R., 4,800,971, Cl. 177-134.000.
- Helle, Kees: *See—*
  - Cooray, Boyd; Hope, Peter; Vleggaar, Jan; Helle, Kees; and Roos, Arie, 4,795,660, Cl. 427-123.000.
- Hellekson, Ronald A.; Acosta, Jorge L.; and Campbell, John S., to Spectra-Physics, Inc. Shallow bar code scanner. 4,799,164, 1-17-89, Cl. 235-467.000.
- Hellekson, Ronald A.; Campbell, John S.; and Acosta, Jorge L., to Spectra-Physics, Inc. Optical scan pattern generating arrangement for a laser scanner. 4,861,973, 8-29-89, Cl. 235-467.000.
- Hellenga, David A.: *See—*
  - Foreman, Dennis J.; Hellenga, David A.; and Hill, Richard K., 4,862,349, Cl. 364-200.000.
- Heller, Cletas, to Heller Triangle Spring Co. Multi-compartment refuse container. 4,874,111, 10-17-89, Cl. 220-404.000.
- Heller, Denis W. Face protective member for batter's helmets. 4,885,806, 12-12-89, Cl. 2-423.000.
- Heller, Donald F.: *See—*
  - Band, Yehuda B.; Heller, Donald F.; Krasinski, Jerzy S.; and Ackerhalt, Jay R., 4,829,528, Cl. 372-3.000.
- Heller, Elmer J., to Summit Sports, Inc. Ski security device. 4,833,456, 5-23-89, Cl. 340-571.000.
- Heller, Harry G.; Oliver, Stephen N.; Whittall, John; Brettle, Jack; Trundle, Clive; and Baskerville, Martin W., to Plessey Company plc, The. Photoreactive lenses with adamantane spiro compounds. 4,818,096, 4-4-89, Cl. 351-163.000.
- Heller, Harry G.; Oliver, Stephen N.; Whittall, John; and Tomlinson, Ian, to Plessey Company plc, The. Photochromic spiropyran compounds. 4,826,977, 5-2-89, Cl. 544-70.000.
- Heller, Heinz; and Waigand, Roland, to Alexander Wiegand GmbH & Co. Pressure guage connection. 4,876,894, 10-31-89, Cl. 73-756.000.
- Heller, Hubert; and Fuhrer, Gerd, to Zahnradfabrik Friedrichshafen AG. Mechanical remote shift arrangement. 4,848,178, 7-18-89, Cl. 74-473.00R.
- Heller, Ingeborg: *See—*
  - Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.
- Heller, Isabelle, to Enertec. Method and apparatus for the identification of a faulty conductor in a multiple supply line. 4,833,414, 5-23-89, Cl. 324-522.000.
- Heller, Jorge; and Penhale, Donald W. H., to Sandoz Pharm. Corp. Polyacetal hydrogels formed from divinyl ethers and polyols. 4,801,457, 1-31-89, Cl. 424-422.000.
- Heller, Jorge; Penhale, Donald W. H.; and Ng, Steve Y., to S R I International. Method of preparing bioerodible polymers having pH sensitivity in the acid range and resulting product. 4,855,132, 8-8-89, Cl. 424-78.000.
- Heller, Max: *See—*
  - Ruch, Ola; Johansen, Trond V.; Naess, Ludvig; Poerner, Horst; Gebhard, Georg; Weber, Robert; and Heller, Max, 4,852,391, Cl. 73-40.50R.
- Heller, Michael B.; Sachi, Leonard W.; and Walbridge, David R., to Minnesota Mining and Manufacturing Company. Color proof with non-blocking thermal adhesive layer with particulate polymer beads. 4,885,225, 12-5-89, Cl. 430-160.000.
- Heller, Michael J., to Molecular Biosystems, Inc. Method for increasing the sensitivity of nucleic acid hybridization assays. 4,824,776, 4-25-89, Cl. 435-6.000.
- Heller, Michael J.; and Morrison, Larry E., to Amoco Corporation. Chemiluminescent immunochemical technique for low molecular weight antigens. 4,859,583, 8-22-89, Cl. 435-7.000.
- Heller, Michael J.: *See—*
  - Morrison, Larry E.; Royer, Garfield P.; and Heller, Michael J., 4,804,625, Cl. 435-7.000.
- Heller, Renee. Shoe guard mat. 4,810,024, 3-7-89, Cl. 296-97.230.
- Heller, Rudolf: *See—*
  - Kern, Heiner; and Heller, Rudolf, 4,865,084, Cl. 139-449.000.
- Heller, Stephen H.; Owen, Gregory J.; and O'Key, Thomas. Tire changing machine with locking center post. 4,846,239, 7-11-89, Cl. 157-1.300.
- Heller Triangle Spring Co.: *See—*
  - Heller, Cletas, 4,874,111, Cl. 220-404.000.
- Hellermann, Walter; Herrmann, Christoph; Fuchs, Hans-Bernd; Nordsiek, Karl-Heinz; Wolpers, Jurgen; and von Portatius, Hans-Eberhard, to Huels Aktiengesellschaft. ABC block copolymers based on butadiene and isoprene, process for their preparation and use. 4,814,386, 3-21-89, Cl. 525-258.000.
- Hellgren, Lars G. I.; Mohr, Viggo; and Vincent, Jan G. Cleaning with enzymes from krill. 4,801,451, 1-31-89, Cl. 424-94.630.
- Hellgren, Maud; and Zoller, Henry, to Molnlycke AB. Method for the production of a brous absorption body. 4,818,315, 4-4-89, Cl. 156-62.200.
- Hellige GmbH: *See—*
  - Schlaefke, Marianne E.; and Hopmeier, Joachim, 4,813,427, Cl. 128-671.000.
  - Ullrich, Georg J.; Pomorin, Karl-Heinz; Kronberg, Harald; Bramm, Gunter; Koschke, Peter; Novak, Pavel; and Gaab, Michael R., 4,805,634, Cl. 128-748.000.
  - Ullrich, Georg J., 4,840,179, Cl. 128-633.000.
- Helling, Gunter; and Wolff, Erich. Polymeric magneta coupler and a color photographic recording material containing this polymeric magenta coupler. 4,865,960, 9-12-89, Cl. 430-548.000.
- Helling, Gunter: *See—*
  - Peters, Manfred; Helling, Gunter; and Reiff, Helmut, 4,840,885, Cl. 430-559.000.
- Hellings, Thomas D. G.: *See—*
  - Powers, Stephen R.; and Hellings, Thomas D. G., 4,818,663, Cl. 430-358.000.
- Hellio, Herve; Feugier, Alain; Martin, Gerard; and Pontier, Renaud, to Institut Francais du Petrole; and Societe Fluidbi. Exchanger and method for achieving heat transfer from solid particles. 4,862,954, 9-5-89, Cl. 165-104.130.
- Hellman, Bjarne: *See—*
  - Tenkula, Jaakko; Hellman, Bjarne; and Huusko, Juha, 4,810,850, Cl. 219-146.100.
- Hellman, Frances: *See—*
  - Gyorgy, Ernst M.; Hellman, Frances; and Johnson, David W., Jr., 4,797,386, Cl. 505-1.000.
- Hellman, Olof C.: *See—*
  - Herbots, Nicole; and Hellman, Olof C., 4,800,100, Cl. 427-38.000.
- Hellman, Robert R., Jr., to Eastman Kodak Company. Lockable, rotating electrophoresis device. 4,800,010, 1-24-89, Cl. 204-299.00R.
- Hellman, Robert R., Jr., to Eastman Kodak Company. Gel plate assembly for electrophoresis. 4,802,969, 2-7-89, Cl. 204-299.00R.
- Hellman, Robert R., Jr., to Eastman Kodak Company. Electrophoresis device with removable buffer tank. 4,828,669, 5-9-89, Cl. 204-299.00R.
- Hellman, Robert R., Jr., to Eastman Kodak Co. Electrophoresis device with near-vertical gel plates. 4,865,715, 9-12-89, Cl. 204-299.00R.
- Hellmann, Jens H.; Rupp, Karl-Heinz; and Varges, Gunter, to Thyssen Nordseewerke GmbH. Ice breaker. 4,800,831, 1-31-89, Cl. 114-40.000.
- Hellmann, Sieghard: *See—*
  - Peehs, Martin; Bayer, Heinrich; Jenczio, Ulrich; Laucht, Jurgen; Hellmann, Sieghard; Dichtjar, Gerhard; Dorr, Wolfgang; and Maier, Georg, 4,816,193, Cl. 264-0.500.
- Hellmuth, Werner: *See—*
  - Henrich, Friedhelm; and Hellmuth, Werner, 4,883,323, Cl. 299-42.000.
- Hellquist, Ivan; and Buhlmann, Pierre, to Interspiro AB. Regulator. 4,887,638, 12-19-89, Cl. 137-505.130.
- Hellriegel, Edmund, to Dynamit Nobel Aktiengesellschaft. Door for a motor vehicle. 4,860,496, 8-29-89, Cl. 49-502.000.
- Hellring, Stuart D.: *See—*
  - Chang, Clarence D.; and Hellring, Stuart D., 4,846,853, Cl. 55-35.000.
  - Chang, Clarence D.; and Hellring, Stuart D., 4,870,192, Cl. 549-272.000.
- Hellsten, Hans O. Method for radar mapping an area and a radar equipment to carry out the method. 4,866,446, 9-12-89, Cl. 342-25.000.
- Hellsten, Karl M. E.: *See—*
  - Mathiesen, Mait M.; Gillberg, Lars I.; Hellsten, Karl M. E.; and Karlsson, Gunvor B. T., 4,887,383, Cl. 44-51.000.
- Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, to Berol Kemi AB. Process and composition for the froth flotation beneficiation of iron minerals from iron ores. 4,795,578, 1-3-89, Cl. 252-61.000.
- Hellsten, Martin; and Klingberg, Anders, to Berol Kemi AB. Froth flotation process and collector therefor. 4,828,687, 5-9-89, Cl. 209-166.000.
- Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, to Berol Kemi AB. Process and composition for the froth flotation beneficiation of iron minerals from iron ores. 4,830,739, 5-16-89, Cl. 209-166.000.
- Hellsten, Martin, to Berol Kemi AB. Package capable of preventing foam formation, method of manufacturing such a package, and antifoaming agent. 4,876,122, 10-24-89, Cl. 428-34.100.
- Hellstern, Richard, to American Telephone and Telegraph Company, AT&T Technologies, Inc. Method and apparatus for handling parts. 4,843,712, 7-4-89, Cl. 29-834.000.
- Hellstrom, Ingegerd; Brown, Joseph P.; Hellstrom, Karl E.; Horn, Diane; and Linsley, Peter, to Oncogen. Method, monoclonal antibody, and monoclonal antibody fragments for detecting human non-small cell lung carcinomas and cell line for producing such antibodies. 4,873,188, 10-10-89, Cl. 435-7.000.
- Hellstrom, Karl E.: *See—*
  - Hellstrom, Ingegerd; Brown, Joseph P.; Hellstrom, Karl E.; Horn, Diane; and Linsley, Peter, 4,873,188, Cl. 435-7.000.
- Hellstrom, Sven E.: *See—*
  - Frantz, Billy J.; and Hellstrom, Sven E., 4,823,304, Cl. 364-900.000.
- Hellstrom, Thomas. Restraining device for a chair. 4,819,988, 4-11-89, Cl. 297-467.000.
- Hellums, James R., to Texas Instruments Incorporated. Temperature constant current reference. 4,890,052, 12-26-89, Cl. 323-315.000.
- Hellums, James R.: *See—*
  - Hsu, Wei-Chan; Krenik, William R.; and Hellums, James R., 4,797,631, Cl. 330-253.000.
- Hellums, Jesse D.: *See—*
  - Moake, Joel L.; Phillips, Martin D.; McIntire, Larry V.; and Hellums, Jesse D., 4,880,788, Cl. 514-150.000.
- Hellwig, Georg: *See—*
  - Deschler, Ulrich; Hellwig, Georg; Michel, Rudolf; Kleinsch Peter; and Wolff, Siegfried, 4,837,322, Cl. 544-209.000.
- Hellwig, Gerhard; Baur, Ottmar; Feisst, Klaus; Moehwald, Helmut; and Muenstedt, Helmut, to BASF Aktiengesellschaft. Solid-state capac tor with an electroconductive polymer as constituent of the solid electrolyte. 4,803,596, 2-7-89, Cl. 361-525.000.
- Hellwig, John: *See—*
  - Brown, Mortimer; and Hellwig, John, 4,881,349, Cl. 52-127.110.
- Hellwig, Karl-Ruediger: *See—*
  - Barzynski, Helmut; Benthack-Thomas, Heidi; Hellwig, Karl-Ruediger; and Taubitz, Christof, 4,889,756, Cl. 428-64.000.
- Hellwig, Paul; and Wilhelm, Dieter, to U.S. Philips Corporation. Electric lamp having a pinch supported in a sleeve-shared cap. 4,849,670, 7-1[illegible]-89, Cl. 313-318.000.
- Hellwig, Rolf: *See—*
  - Synofzik, Reinhard; Hellwig, Rolf; and Karius, Klaus D., 4,854,241, Cl. 102-489.000.
- Helm, Charles W.; and Koval, Vernon E., to Teleco Oilfield Services Inc. Near bit offset stabilizer. 4,877,092, 10-31-89, Cl. 175-74.000.
- Helm, George: *See—*
  - Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Helm, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, 4,829,554, Cl. 379-58.000.
- Helm, John L.; and Leonard, John S., to Proto-Power Corporation. Inherently safe, modular, high-temperature gas-cooled reactor system. 4,863,676, 9-5-89, Cl. 376-299.000.
- Helm Products, Inc.: *See—*
  - Lisowski, Walter E., 4,799,444, Cl. 114-221.00R.
- Helm, Verne: *See—*
  - Baker, Richard; Helm, Verne; and Shrock, Paul, 4,838,862, Cl. 604-892.100.
- Helme Tobacco Company: *See—*
  - Lenkey, Attila A., 4,848,373, Cl. 131-297.000.
- Helmer, George L. Arm locking device for weightlifters. 4,799,675, 1-24-89, Cl. 272-123.000.
- Helmer, James R. Latent heat economizing device for refrigeration systems. 4,807,449, 2-28-89, Cl. 62-503.000.
- Helmer, Ulla; Johansen, Randi; and Carlson, Ulf, to Casco Nobel AB. Aqueous dispersions, a process for their preparation and the use of the dispersions as sizing agents. 4,816,073, 3-28-89, Cl. 106-238.000.
- Helmes, Ludger; and Lienenluke, Paul, to Vorwerk & Co. Interholding GmbH. Vacuum cleaner nozzle arrangement. 4,888,850, 12-26-89, Cl. 15-359.000.
- Helmetsie, Eugene A., to Ozalid Corp. Tray for organizing originals in a photocopy machine. 4,823,963, 4-25-89, Cl. 211-50.000.
- Helmic, Inc.: *See—*
  - Jaskowski, Michael C., 4,847,140, Cl. 428-220.000.
- Helmling, Robert: *See—*
  - Lassmann, Eberhard; Helmling, Robert; and Beran, Franz, 4,885,146, Cl. 423-235.000.
- Helmling, Walter: *See—*
  - Schwaiger, Gunther; Springer, Hartmut; and Helmling, Walter, 4,816,574, Cl. 544-76.000.
  - Springer, Hartmut; Schwaiger, Gunther; and Helmling, Walter, 4,851,527, Cl. 544-76.000.
  - Springer, Hartmut; Helmling, Walter; and Schwaiger, Gunther, 4,885,385, Cl. 562-430.000.
- Helms, Dirk, to Leybold-Heraeus GmbH. Inserting device for vacuum apparatus. 4,813,846, 3-21-89, Cl. 414-744.100.
- Helms, Dirk; Katzschner, Werner; Pawlakowitsch, Anton; and Anderle, Friedrich, to Leybold Aktiengesellschaft. Apparatus for mounting workpieces. 4,869,801, 9-26-89, Cl. 204-298.000.
- Helms, Lonnie C., to Halliburton Company. Flapper valve with protective hinge pin sleeve. 4,825,902, 5-2-89, Cl. 137-515.000.
- Helms, Ronald L.; and Swanson, Claude V. Method and apparatus for detecting a transient phenomenon by monitoring variations of an alternating component of a vertical current emanating from the earth's surface. 4,825,165, 4-25-89, Cl. 324-323.000.
- Helmstadter, Gerald: *See—*
  - Wokan, Andreas; Helmstadter, Gerald; and Probst, Kurt, 4,850,320, Cl. 123-365.000.
- Helmstetter, David A.: *See—*
  - Justice, David D.; Helmstetter, David A.; Reed, Emily J.; and Fukunaga, Tsujiriko, 4,830,837, Cl. 423-181.000.
- Helmstetter, John G., to Core-Guard Industries, Inc. Fireproofing of building materials. 4,866,548, 12-12-89, Cl. 106-18.120.
- Helmut K. Pinsch GmbH & Co.: *See—*
  - Hatje, Gunter H., 4,8[illegible]7,142, Cl. 250-563.000.
- Helmuth, Keld T. Telephone handset attachment for use in-the-ear hearing aids. 4,864,611, 9-5-89, Cl. 379-444.000.
- Helmy, Ibrahim F. Landscaping system. 4,858,378, 8-22-89, Cl. 47-33.000.
- Helper Winch, Inc.: *See—*
  - Manning, David J., 4,825,604, Cl. 52-158.000.
- Helsa-Werke Helmut Sandler GmbH & Co. KG: *See—*
  - Smolik, Klaus, 4,800,190, Cl. 502-416.000.
  - Weiss, Anna-Maria; and Smolik, Klaus, 4,883,052, Cl. 128-205.270.
- Helske, Vesa: *See—*
  - Saarela, Olli; Helske, Vesa; and Haapanen, Erkki, 4,807,522, Cl. 92-161.000.
- Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., to Hoechst-Roussel Pharmaceuticals Inc. 1-(N-(2-alkylthio-10H-phenothiazin-10-yl)alkyl)-4-benzoylpiperidines and pharmaceutical use. 4,812,456, 3-14-89, Cl. 514-225.500.
- Helsley, Grover C.; McFadden, Arthur R.; and Hoffman, David, to American Hoechst Corporation. 6,11-dihydrodibenz[b,e]oxepin-acetic acids and derivatives. 4,816,591, 3-28-89, Cl. 549-354.000.
- Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E. 1-(phenothiazin-10-yl)alkyl)-alpha-phenyl-4-piperidinemethanols and pharmaceutical use. 4,822,796, 4-18-89, Cl. 514-225.500.
- Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., to Hoechst-Roussel Pharmaceuticals Inc. 1-carbonyl derivatives of 4-aryl-4-aryloxypiperidines. 4,853,384, 8-1-89, Cl. 514-255.000.
- Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., to Hoechst-Roussel Pharmaceuticals, Inc. 3-(2,3,4,5,6-pentafluorophenoxy)-8-azabicyclo[3.2.1]octanes. 4,861,889, 8-29-89, Cl. 546-183.000.
- Helt, Robert W.; and Neal, John D., to American Standard Inc. Time based cooling below set point temperature. 4,850,198, 7-25-89, Cl. 62-93.000.
- Helt, Robert W.: *See—*
  - Sulfstede, Louis E.; Helt, Robert W.; and Jensen, Thomas E., 4,856,286, Cl. 62-89.000.
- Heltai, Krisztina: *See—*
  - Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,948, Cl. 514-221.000.
- Heltemes, Eugene C., to Minnesota Mining and Manufacturing Company. Random-filament, multi-directionally responsive marker for use in electronic article surveillance systems. 4,857,891, 8-15-89, Cl. 340-551.000.
- Heltemes, Eugene C.: *See—*
  - Church, Russell W.; and Heltemes, Eugene C., 4,825,197, Cl. 340-572.000.
  - Church, Russell W.; and Heltemes, Eugene C., 4,884,063, Cl. 340-572.000.
- Helterbrand, David L. Locking bar for use with a spare tire carrier. 4,805,817, 2-21-89, Cl. 224-42.230.
- Helton, Catherine; and Wright, Tim. Collapsible paperboard pallet. 4,875,419, 10-24-89, Cl. 108-56.100.
- Helton, Doyle D. Fishing lure with temperature responsive color change. 4,835,899, 6-6-89, Cl. 43-42.330.
- Helton, Frank F.: *See—*
  - Wurdack, Gerard A; and Helton, Frank F., 4,804,899, Cl. 318-600.000.
- Helton, Ova A.: *See—*
  - Wuebker, Robert A.; Helton, Ova A.; Roggeman, Albert R.; and Switzer, Thomas P., 4,824,056, Cl. 248-60.000.
- Helton, Raymond L.; Trobough, Douglas W.; and McPherson, Marianne, to Tektronix, Inc. Plating bath composition for copper-tin-zinc alloy. 4,814,049, 3-21-89, Cl. 204-44.200.
- Helton, Steven B.: *See—*
  - Walcott, Kenneth J.; Thompson, Neil G.; Ruck, George T.; and Helton, Steven B., 4,823,072, Cl. 324-65.0CR.
- Helver, Oscar. Vertical blind assembly. 4,848,435, 7-18-89, Cl. 160-176.100.
- Helvey, Alex, to Superior Industries International, Inc. Leakage detection apparatus for drum wheels and method therefore. 4,813,268, 3-21-89, Cl. 73-40.700.
- Helvoet Pharma N.V.: *See—*
  - Schrooten, Rik, 4,834,099, Cl. 128-360.000.
  - Schrooten, Rik, 4,872,572, Cl. 215-307.000.
- Helvy, Fred A.; and Butterwick, Gilbert N., to Burle Technologies, Inc. Focusing electrode structure for photomultiplier tubes. 4,855,642, 8-8-89, Cl. 313-532.000.
- Helwig, Gregory S.: *See—*
  - Brandon, Ralph E.; Yau, Ben J.; and Helwig, Gregory S., 4,849,281, Cl. 428-280.000.
- Helwig, Klaus; Lohlein, Wolfdieter; and Tong, Minh H., to International Business Machines Corporation. Decoding circuit arrangement for redundant semiconductor storage systems. 4,811,298, 3-7-89, Cl. 365-200.000.
- Helwig, Reinhard; and Hoch, Helmut, to BASF Aktiengesellschaft. Preparation of C.I. Vat Blue 16. 4,824,608, 4-25-89, Cl. 260-355.000.
- Helwig, Reinhard; and Hoch, Helmut, to BASF Aktiengesellschaft. Preparation of alkoxy(iso)violanthrenediones. 4,882,095, 11-21-89, Cl. 552-279.000.
- Helwing, Robert F. Covalently bonded active agents with carbonium ion base groups. 4,842,868, 6-27-89, Cl. 424-486.000.
- Helzel, Manfred W. Two-compartment catheter. 4,795,427, 1-3-89, Cl. 604-53.000.
- Helzel, Manfred W. Puncture catheter. 4,861,336, 8-29-89, Cl. 604-95.000.
- Helzel, Thomas: *See—*
  - Kuhn, Michael H.; Helzel, Thomas; Proksa, Roland; and Van Den Berg, Noel J. M., 4,873,486, Cl. 324-307.000.
- HEM Research, Inc.: *See—*
  - Carter, William A., 4,795,744, Cl. 514-44.000.
  - Carter, William A., 4,820,696, Cl. 514-44.000.
- HemaScience Laboratories, Inc.: *See—*
  - Williamson, Warren P., IV; and Prince, Paul R., 4,888,004, Cl. 604-45.000.
- Hembise, Dominique, to Matra. Mine with indirect firing for attacking armoured vehicles. 4,848,236, 7-18-89, Cl. 102-427.000.
- Hemenway, Patrick A. Amusement device. 4,861,310, 8-29-89, Cl. 446-453.000.
- Hemingway, Kenneth S.: *See—*
  - Young, James R. F.; York, Brian W.; and Hemingway, Kenneth S., 4,827,984, Cl. 138-93.000.
- Hemingway, Ronald L.: *See—*
  - Trinh, Toan; Wahl, Errol H.; Swartley, Donald M.; and Hemingway, Ronald L., 4,855,072, Cl. 252-8.800.

Hemingway, Thomas K., to British Aerospace Public Limited Company. Differential amplifier circuit. 4,853,644, 8-1-89, Cl. 330-69.000.

Hemingway, Trevor: *See—*

Wilson, Geoffrey; and Hemingway, Trevor, 4,878,373, Cl. 72-420.000.

Hemker, Heinrich; and Heidjann, Franz, to Claas Ohg. Harvester thresher. 4,884,993, 12-5-89, Cl. 460-14.000.

Hemker, Leonard E. Meltable coating and binder composition for popped corn kernels. 4,849,233, 7-18-89, Cl. 426-93.000.

Hemlo Gold Mines Inc.: *See—*

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Hemm, Dieter; and Schindler, Norbert, to Henkel Kommanditgesellschaft auf Aktien. Phosphate-free dishwasher detergent. 4,820,440, 4-11-89, Cl. 252-135.000.

Hemmady, Jayant G.; Lidinsky, William P.; Nichols, Robert K.; Richards, Gaylord W.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Architecture and organization of a high performance metropolitan area telecommunications packet network. 4,872,157, 10-3-89, Cl. 370-60.000.

Hemmady, Jayant G.; Lidinsky, William P.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Packet network architecture for providing rapid response time. 4,872,159, 10-3-89, Cl. 370-60.000.

Hemmady, Jayant G.; Lidinsky, William P.; Steele, Scott B.; Ulrich, Werner; and Weddige, Ronald C., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Integrated packetized voice and data switching system. 4,872,160, 10-3-89, Cl. 370-60.000.

Hemman, Edward B. Multi-stage straining apparatus. 4,816,148, 3-28-89, Cl. 210-256.000.

Hemmann, Ronald S., to Coleco Industries, Inc. Folding case and game board assembly. 4,811,954, 3-14-89, Cl. 273-283.000.

Hemmann, Siglinde: *See—*

Blum, Helmut; and Hemmann, Siglinde, 4,876,339, Cl. 540-450.000.

Blum, Helmut; and Hemmann, Siglinde, 4,880,575, Cl. 562-21.000.

Hemmat, Naim S., to Electric Power Research Institute Inc. Casting nozzle with discharge slot defined by refractory inserts. 4,843,692, 7-4-89, Cl. 29-157.00C.

Hemmati, Farhad: *See—*

Lee, Lin-Nan; and Hemmati, Farhad, 4,852,023, Cl. 364-717.000.

Hemmelgarn, Thomas L.; and Raleigh, Freddie L., to Warner and Swasey Company, The. Coordinate measuring machine with improved carriage way arrangement. 4,882,847, 11-28-89, Cl. 33-503.000.

Hemmelgarn, Thomas L.; and Raleigh, Freddie L., to Warner & Swasey Company, The. Way bearing arrangement for a horizontal arm coordinate measuring machine. 4,887,360, 12-19-89, Cl. 33-503.000.

Hemmer, Richard E.: *See—*

Goldburt, Efim S.; and Hemmer, Richard E., 4,857,978, Cl. 357-24.000.

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bachl, Robert; Funk, Guido; Richter, Konrad; Hemmerich, Rainer; and Saive, Roland, 4,831,090, Cl. 526-116.000.

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Hemmerling, Wolfgang; Dubal, Hans-Rolf; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, to Hoechst Aktiengesellschaft. Chiral aryl-2,3-epoxyalkyl-ethers and the corresponding thio compounds thereof, and the use thereof as dopes in liquid-crystal phases. 4,876,028, 10-24-89, Cl. 252-299.610.

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Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.

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Hemmila, Ilkka: *See—*

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Hemming, Dale R., to Graco Inc. Method of selecting optimum series limiting resistance for high voltage control circuit. 4,890,190, 12-26-89, Cl. 361-235.000.

Hemming, Robert D.: *See—*

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Hemminger, Hermann; Joos, Eugen; Jundt, Werner; and Werner, Peter, to Robert Bosch GmbH. Electronic control apparatus with defined reset function. 4,888,697, 12-19-89, Cl. 364-431.110.

Hemminger, Rodney C., to Westinghouse Electric Corp. Mutual inductance current transducer, method of making and electric energy meter incorporating same. 4,887,029, 12-12-89, Cl. 324-142.000.

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Hemner, Rodney A.: *See—*

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Hempel, Bernd; and Kaul, Ravindernath, to Robugen GmbH Pharmazeutische Fabrik. 5-ethyl-2-deoxyuridine and urea composition for the treatment of viral diseases. 4,851,391, 7-25-89, Cl. 514-50.000.

Hempel, Bruce C.; and Liang, Bob C., to International Business Machines Corporation. Data transformation and clipping in a graphics display system. 4,821,209, 4-11-89, Cl. 364-518.000.

Hempel, Bruce C.; Laib, Gregory D.; and Liang, Bob C., to International Business Machines Corporation. Traversal method for a graphics display system. 4,870,599, 9-26-89, Cl. 364-518.000.

Hempel, Bruce C.: *See—*

Callahan, Robert M.; Fiore, Anthony M.; Flickinger, Edward C.; Hempel, Bruce C.; and Whistance, Bruce E., 4,847,605, Cl. 340-709.000.

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Gonzalez-Lopez, Jorge; Hempel, Bruce C.; and Liang, Bob C., 4,866,637, Cl. 364-518.000.

Hempel, Jurgen, to Carl Freudenberg, Firma. Method and apparatus for manufacturing a thread-reinforced rubber hose. 4,822,544, 4-18-89, Cl. 264-209.200.

Hempel, Ulrich, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Lid for closing an automobile body recess. 4,811,984, 3-14-89, Cl. 296-97.220.

Hempel, Ulrich; and Osterle, Josef, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Closing arrangement for a vent line of a fuel tank. 4,846,208, 7-11-89, Cl. 137-43.000.

Hempel, Werner, to CAMLOC GmbH. Device for the removable fastening of a plate-shaped component onto a base with a T-groove open towards the component. 4,801,232, 1-31-89, Cl. 411-552.000.

Hempelmann, Heinrich J., to NI Industries, Inc. Wheel trim for automotive vehicle. 4,844,551, 7-4-89, Cl. 307-37.0SS.

Hempelmann, Heinrich J.; and Pruss, Eugene M., to NI Industries, Inc. Wheel trim retention. 4,884,851, 12-5-89, Cl. 301-37.0PB.

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Hemphill, J. Marshall; and Hoffer, Roy D., to Armstrong World Industries, Inc. Electronically dimmed power limited lighting system. 4,798,998, 1-17-89, Cl. 315-297.000.

Hemphill, John K.; and Warshaw, Claire A., to Sungene Technologies Corporation. Process for regenerating soybeans. 4,837,152, 6-6-89, Cl. 435-240.490.

Hemphill, John M.; and Nute, Ernest B., Jr., to Armstrong World Industries, Inc. Grid accent and ceiling boards. 4,885,889, 12-12-89, Cl. 52-484.000.

Hemphill, Raymond M.: *See—*

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Schmidt, Michael L.; and Hemphill, Raymond M., 4,832,909, Cl. 420-95.000.

Wert, David E.; and Hemphill, Raymond M., 4,853,181, Cl. 420-111.000.

Hemsath, Klaus H., to Columbia Gas System Service Corporation. High temperature convection furnace. 4,830,610, 5-16-89, Cl. 432-146.000.

Hemsath, Klaus H., to Gas Research Institute. Seal arrangement for high temperature furnace applications. 4,840,559, 6-20-89, Cl. 432-3.000.

Hemsath, Klaus H., to Gas Research Institute. Convective heat transfer within an industrial heat treating furnace. 4,854,860, 8-8-89, Cl. 432-5.000.

Hemsath, Klaus H., to Gas Research Institute. Convective heat transfer within an industrial heat treating furnace. 4,854,863, 8-8-89, Cl. 432-176.000.

Hemsky, Robert L.; and Tucker, Terry L., to Utah Scientific Advanced Development Center, Inc. Luminance selection apparatus for video signal control system. 4,839,718, 6-13-89, Cl. 358-22.000.

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Hemsley, Stephen T.; and Roszowski, Bogdan, to James Hardie Building Products Pty. Limited. Jet spray sprinkler. 4,889,287, 12-26-89, Cl. 239-498.000.

Hen, John, to Mobil Oil Corporation. Process for preparing ethylene-higher olefin copolymer oils with Ziegler-Natta catalyst in mixed aliphatic-aromatic solvent. 4,855,526, 8-8-89, Cl. 585-524.000.

Hen, Tamar; and Kimchi, Yochai, to Palbam. Continuous-flow type dishwashing apparatus. 4,821,755, 4-18-89, Cl. 134-72.000.

Hench, Larry L.; and Lee, Burtrand I., to University of Florida Research Foundation, Inc. Method for crosslinking of polysilastyrene. 4,804,731, 2-14-89, Cl. 528-24.000.

Hench, Larry L.; and Orcel, Gerard F., to University of Florida. Ultraporous gel monoliths having predetermined pore sizes and their production. 4,849,378, 7-18-89, Cl. 501-12.000.

Hench, Larry L.; and Orcel, Gerard F., to University of Florida. Drying control chemical additives for rapid production of large sol-gel derived silicon, boron and sodium containing monoliths. 4,851,150, 7-25-89, Cl. 252-315.600.

Hench, Larry L.; and Wang, Shi-Ho, to University of Florida. Large sol-gel SiO_2 monoliths containing transition metal and their production. 4,851,373, 7-25-89, Cl. 501-12.000.

Hench, Larry L.; and Lee, Burtrand I., to University of Florida. Method for low temperature processing of lightweight SiC/SiO_2 composites and products. 4,859,525, 8-22-89, Cl. 428-260.000.

Hench, Larry L.: *See—*

Low, Samuel B.; Fetner, Alan E.; Clark, Arthur E., Jr., Hench, Larry L.; and Wilson-Hench, June, 4,851,046, Cl. 106-35.000.

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Hendel, Horst, to Siemens-Albis Aktiengesellschaft. Housing for an electrical component, and method for sealing same. 4,810,831, 3-7-89, Cl. 174-52.300.

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Hendershot, James R., to Signal Communications Corporation. Call box. 4,817,126, 3-28-89, Cl. 379-58.000.

Hendershot, James R., to Pacific Scientific Company. Polyphase electronically commutated reluctance motor. 4,883,999, 11-28-89, Cl. 310-254.000.

Hendershot, John A.; and Streebin, Leale E. Fluid storage tank system. 4,796,676, 1-10-89, Cl. 141-83.000.

Hendershot, Michael C. Sun shield. 4,862,944, 9-5-89, Cl. 160-370.200.

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Henderson, Alex E.; Drain, Frederick L.; and Roberts, Lawrence G., to NetExpress Systems, Inc. Apparatus for selecting a reference line for image data compression. 4,837,848, 6-6-89, Cl. 382-56.000.

Henderson, Alex M.; McKey, Loretta M.; and Gordon, A. Kim, to Ethicon, Inc. Process for augmenting soft tissue with cross-linked polyvinyl pyrrolidone. 4,828,827, 5-9-89, Cl. 424-80.000.

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Henderson, Charles E. Multi-conic shell and method of forming same. 4,794,742, 1-3-89, Cl. 52-80.000.

Henderson, Charles J. Pressure amplifying pump system. 4,844,700, 7-4-89, Cl. 417-225.000.

Henderson, D. Grant; Yuill, Grenville K.; and Kroeker, David, to Henderson Medical Appliance Company Ltd. Toilet apparatus for use by bed ridden patients. 4,856,123, 8-15-89, Cl. 4-480.000.

Henderson, Daniel A.; and Mostyn, William T., Jr. Programmable dialer system. 4,882,750, 11-21-89, Cl. 379-355.000.

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Ottow, Eckhard; Neef, Guenter; Rohde, Ralph; Wiechert, Rudolf; Beier, Sybille; Elger, Walter; and Henderson, David, 4,829,060, Cl. 514-179.000.

Ottow, Eckhard; Wiechert, Rudolf; Neef, Guenter; Bardenhagen, Juergen; Beier, Sybille; Elger, Walter; and Henderson, David, 4,870,069, Cl. 514-179.000.

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Henderson, Dennis R.: *See—*

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Henderson, Dewey D., to Dayco Products, Inc. Belt tensioner and method of making the same. 4,832,666, 5-23-89, Cl. 474-135.000.

Henderson, Dewey D., to Dayco Products, Inc. Belt tensioner and method of making the same. 4,886,483, 12-12-89, Cl. 474-135.000.

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Henderson, Eric A., to Sundstrand Corporation. Electrical power generating system having parallel generator control. 4,874,961, 10-17-89, Cl. 307-87.000.

Henderson, Harold R.; and Strohl, Robert L., to Arcair Company. Exothermic cutting electrode. 4,864,093, 9-5-89, Cl. 219-70.000.

Henderson, Henning M. Lid for cooking utensils. 4,828,140, 5-9-89, Cl. 220-369.000.

Henderson, Herman O.; and Hynes, Joseph H., to Cameron Iron Works USA, Inc. Casing hanger with landing shoulder seal insert. 4,807,705, 2-28-89, Cl. 166-348.000.

Henderson, Ian: *See—*

Garrood, David; Crawshaw, Roger; Henderson, Ian; and Dutton, Frank A., 4,833,484, Cl. 343-781.0CA.

Henderson, James C.; Kreutzer, Stanley H.; Schmidt, Arthur A.; Smith, Charles A.; and Hagen, William R., to Procter & Gamble Company, The. Flotation separation of aflatoxin-contaminated grain or nuts. 4,795,651, 1-3-89, Cl. 426-456.000.

Henderson, James F.; and Wingham, Philip J., to University of Bath. Fairing sections. 4,836,122, 6-6-89, Cl. 114-243.000.

Henderson, James K., to Exxon Research and Engineering Company. Substoichiometric fuel firing for minimum NO_x emissions. 4,878,830, 11-7-89, Cl. 431-10.000.

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Henderson, Richard S.; Shreve, Gary A.; and Tenhover, Michael A., to Standard Oil Company, The. Enhanced corrosion resistant amorphous metal alloy coatings. 4,810,314, 3-7-89, Cl. 148-403.000.

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Tenhover, Michael A.; Henderson, Richard S.; and Grasselli, Robert K., 4,851,296, Cl. 428-457.000.

Henderson, Robert M.; and Bahls, Brian. Amphibious scuba assist devices. 4,815,761, 3-28-89, Cl. 280-47.300.

Henderson, Robert M.; and Aspinall, William, to Supreme Aluminum Products. Machine for making awnings. 4,825,519, 5-2-89, Cl. 29-33.00K.

Henderson, Robert M.; and Szepesi, Leslie L., to John Fluke Mfg. Co., Inc. Alternating current amplifier with digitally controlled frequency response. 4,868,516, 9-19-89, Cl. 330-86.000.

Henderson, Robert W. Theft prevention apparatus. 4,848,109, 7-18-89, Cl. 70-14.000.

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Henderson, Watson R., to Storage Technology Corporation. Process for fabricating thin film magnetic recording heads having precision control of the width tolerance of the upper pole tip. 4,839,197, 6-13-89, Cl. 427-116.000.

Henderson, William, to Barr & Stroud Limited. Method of manufacturing flexible optical fiber bundles. 4,832,722, 5-23-89, Cl. 65-3.150.

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  Singh, Balwant; Chang, Laurence W.; and Henderson, William A., Jr., 4,879,410, Cl. 560-344.000.

Henderson, William D., to Otis Engineering Corporation. Hydraulic release tubing seal divider. 4,805,696, 2-21-89, Cl. 166-114.000.

Henderson, William R., to Emerson Electric Co. System for combining driven modules with driving modules. 4,811,616, 3-14-89, Cl. 74-421.00A.

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Hendow, Sami T.; Martin, Graham J.; and Hammons, Sheridan W., to Litton Systems, Inc. Apparatus and method using amplification cells for ring laser gyroscope cavity length control. 4,825,260, 4-25-89, Cl. 356-350.000.

Hendow, Sami T.; and Martin, Graham J., to Litton Systems, Inc. Apparatus and method for detecting rotation rate and direction of rotation and providing cavity length control in multioscillator ring laser gyroscopes. 4,836,675, 6-6-89, Cl. 356-350.000.

Hendren, Gary L.; Provost, Richard L.; Fried, Kim L.; and Taylor, Leland A., to Du Pont de Nemours, E. I., and Company. High heat resistant oil-impregnatable electrical insulating board. 4,886,578, 12-12-89, Cl. 162-123.000.

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  Webb, Frederick W., Jr.; Almendinger, Allen D.; Bright, Kevin L.; Hendren, Kenneth J.; Petersen, Donald D.; Dandrea, Michael B.; and Carlson, Wesley R., 4,819,162, Cl. 364-401.000.

Hendretti, Thomas. Permanent coffee filter. 4,832,845, 5-23-89, Cl. 210-470.000.

Hendrick, Kendall B.; and Reader, John R., Jr., to Du Pont de Nemours, E. I., and Company. Parallel plate dielectric analyzer. 4,855,667, 8-8-89, Cl. 324-61.00R.

Hendrick, Kendall B.: *See—*

  Wilhelm, Robert E., Jr.; Reader, John R., Jr.; Gormley, Kenneth W., Sr.; Hendrick, Kendall B.; and Celeste, Richard J., 4,816,730, Cl. 318-568.000.

Hendrick, Michael E.: *See—*

  Brennan, Thomas M.; and Hendrick, Michael E., 4,797,298, Cl. 426-548.000.

  Brennan, Thomas M.; and Hendrick, Michael E., 4,804,782, Cl. 564-193.000.

  Brennan, Thomas M.; and Hendrick, Michael E., 4,855,454, Cl. 549-68.000.

  Brennan, Thomas M.; and Hendrick, Michael E., 4,870,190, Cl. 549-38.000.

Hendrick, Peter L.: *See—*

  Koelle, Alfred R.; Speirs, Donald F.; and Hendrick, Peter L., 4,864,158, Cl. 307-231.000.

Hendricks, David. Foot deodorant. 4,877,605, 10-31-89, Cl. 424-65.000.

Hendricks, Diana: *See—*

  Piez, Karl A.; Pharriss, Bruce B.; Chu, George H.; Smestad, Thomas L.; and Hendricks, Diana, 4,795,467, Cl. 623-16.000.

Hendricks, Diana M.: *See—*

  Smestad, Thomas L.; Prows, Daniel; Chu, George H.; and Hendricks, Diana M., 4,865,602, Cl. 623-16.000.

Hendricks, Douglas W.: *See—*

  Mullen, William B., III; and Hendricks, Douglas W., 4,889,275, Cl. 228-180.200.

Hendricks, Jefferson D.: *See—*

  McBride, William B.; Wilson, William R., Jr.; Tomlinson, John C.; McCarthy, John A.; Kochanowsky, Eugene W.; Hendricks, Jefferson D.; and Houle, Arthur J., 4,857,921, Cl. 340-912.000.

Hendricks, Lambert; Gil, Angelo; and LeClair, Robert J. Device for imprinting surface of fresh concrete. 4,828,426, 5-9-89, Cl. 404-93.000.

Hendricks, Robert W.; and Wilson, Jack W., to Technology for Energy Corporation. High speed curved position sensitive detector. 4,827,135, 5-2-89, Cl. 250-374.000.

Hendricks, Roy J.: *See—*

  Vicars, Paul D.; Hendricks, Roy J.; and Goubeaux, Eugene F., Jr., 4,798,556, Cl. 446-391.000.

Hendricks, Udo: *See—*

  Schmidt, Adolf; and Hendricks, Udo, 4,824,886, Cl. 524-131.000.

Hendricks, Udo-Winfried; and Schmidt, Adolf, to Bayer Aktiengesellschaft. Sulfosuccinamido acids of polyoxypropylenediamines and their use as emulsifiers. 4,859,374, 8-22-89, Cl. 562-102.000.

Hendrickson Brothers: *See—*

  Hendrickson, Donald W., 4,830,057, Cl. 138-45.000.

Hendrickson, Carol E.; Uy, Rosa; and Mencke, Arlene J., to Minnesota Mining and Manufacturing Company. Biologically active protein immobilized with a polymeric fibrous support. 4,855,234, 8-8-89, Cl. 435-181.000.

Hendrickson, Carol E.: *See—*

  Mencke, Arlene J.; Hendrickson, Carol E.; and Uy, Rosa, 4,829,001, Cl. 435-264.000.

Hendrickson, Christine E.: *See—*

  Dingeman, David L.; and Hendrickson, Christine E., 4,888,005, Cl. 604-326.000.

Hendrickson, Constance, to Rockwood Systems Corporation. Stable expandable foam and concentrate and method. 4,836,939, 6-6-89, Cl. 252-3.000.

Hendrickson, David K.: *See—*

  Mapelli, Rudy; Eisenberg, Donald S.; Moss, Geoffrey S.; Hendrickson, David K.; and Mapelli, Connie M., 4,810,081, Cl. 351-57.000.

Hendrickson, Donald W., to Hendrickson Brothers. Screen and flow regulator assembly. 4,830,057, 5-16-89, Cl. 138-45.000.

Hendrickson, Donald W. Screen and flow regulator assembly. 4,874,017, 10-17-89, Cl. 138-45.000.

Hendrickson, James D.: *See—*

  Ross, Colby M.; Giusti, Frank, Jr.; and Hendrickson, James D., 4,886,113, Cl. 166-51.000.

Hendrickson, Larry L.: *See—*

  Swerdloff, Michael D.; Rogic, Milorad M.; and Hendrickson, Larry L., 4,824,783, Cl. 435-184.000.

Hendrickson, Max S.: *See—*

  Gombrich, Peter P.; Beard, Richard J.; Griffee, Richard A.; Wilson, Thomas R.; Zook, Ronald E.; and Hendrickson, Max S., 4,835,372, Cl. 235-375.000.

  Gombrich, Peter P.; Zook, Ronald E.; and Hendrickson, Max S., 4,857,716, Cl. 235-462.000.

Hendrickson, Roger R., to Morton Thiokol, Inc. Composite solid propellants containing bitetrazoles. 4,798,637, 1-17-89, Cl. 149-20.000.

Hendrickson, Thomas E.: *See—*

  Boler, Clifford H.; Hartranft, Marc D.; and Hendrickson, Thomas E., 4,797,724, Cl. 357-42.000.

Hendrickson, Thomas R., to Urdan Industries (USA) Inc. Pipe coupling reducing insert. 4,822,077, 4-18-89, Cl. 285-12.000.

Hendrickson, Thomas R., to Urdan Industries (USA) Inc. Lugless pipe couplings. 4,867,482, 9-19-89, Cl. 285-12.000.

Hendrickson, Walter R. Shot and powder loading system. 4,856,404, 8-15-89, Cl. 86-29.000.

Hendriks, Albertus G., to Lever Brothers Company. Apparatus for dispensing measured quantities of a liquid material. 4,830,581, 5-16-89, Cl. 417-252.000.

Hendriks, Johannes H.; Brekelmans, Johannes H. A.; and Bos, Johannes J., to U.S. Philips Corporation. Television receiver having an automatic radiofrequency resonant circuit adjustment circuit. 4,843,636, 6-27-89, Cl. 455-192.000.

Hendriks, Johannes H., to U.S. Philips Corporation. TV-RF input circuit. 4,851,796, 7-25-89, Cl. 333-129.000.

Hendriks, Johannes S.; Koeleman, Gerardus A. J.; and Seelen, Franciscus J. H., to Oce-Nederland B.V. Device for holding a stack of sheets and discharging them from the top thereof. 4,830,353, 5-16-89, Cl. 271-117.000.

Hendrikx, Dale E.: *See—*

  McCallum, Robert S.; and Hendrikx, Dale E., 4,890,123, Cl. 346-159.000.

Hendrikx, Georg; Patzschke, Hans-Peter; and Gobel, Armin, to Herberts Gesellschaft mit beschrankter Haftung. Non-auto crosslinking binder combination, aqueous coating compound containing the same and its use. 4,865,705, 9-12-89, Cl. 204-181.700.

Hendrikx, Georg: *See—*

  Saatweber, Dietrich; Patzschke, Hans-Peter; Hendrikx, Georg; and Klein, Klausjorg, 4,865,704, Cl. 204-181.700.

Hendrix, Howard A.; Schmidt, Howard W., Jr.; and Ward, Ernest S., to International Business Machines Corporation. RF plasma processing apparatus. 4,802,968, 2-7-89, Cl. 204-298.000.

Hendrixon, John L.; Domanchuk, David J.; and Pearson, Allen F., to Sealed Power Corporation. Electromagnetic solenoid valve with variable force motor. 4,863,142, 9-5-89, Cl. 251-129.080.

Hendry, Dennis J.; and King, Peter J. Target trainer. 4,824,374, 4-25-89, Cl. 434-22.000.

Hendry, Donald A.: *See—*

  Newman, John F. E.; and Hendry, Donald A., 4,845,042, Cl. 436-545.000.

Hendry, James C.: *See—*

  Summerlin, Frederick A.; Frearson, William H.; and Hendry, James C., 4,815,310, Cl. 72-391.000.

Hendry, James D.: *See—*

  Clarke, Stephen E.; Hendry, James D.; and Mijares, Ernest R., 4,802,415, Cl. 102-434.000.

  Clarke, Stephen E.; and Hendry, James D., 4,844,845, Cl. 264-3.100.

Hendry, James W.; and Cahan, Geoffery D., to Cinpres Limited. Process and apparatus for injection moulding and mouldings produced thereby. 4,824,732, 4-25-89, Cl. 428-542.800.

Hendry, James W., to Ladney, Michael. Method for the injection molding of plastic articles using fluid pressure. 4,855,094, 8-8-89, Cl. 264-40.300.

Hendry Mechanical Works: *See—*

  Ham, Howard M., Jr.; and Keenan, James J., 4,853,820, Cl. 361-59.000.

Hendry, Robert: *See—*

  Markunas, Robert J.; Hendry, Robert; and Rudder, Ronald A., 4,870,030, Cl. 437-81.000.

Hendry, Stuart P.: *See—*

  Turner, Anthony P. F.; Hendry, Stuart P.; and Cardosi, Marco F., 4,882,013, Cl. 204-1.00T.

Hendrych, Jaroslav. Convertible cover. 4,824,163, 4-25-89, Cl. 296-100.000.

Hendy, Brian, to Imperial Chemical Industries PLC. Membranes. 4,866,099, 9-12-89, Cl. 521-64.000.

Hendy, Brian N.; and Smith, John W., to Imperial Chemical Industries PLC. Membranes. 4,820,419, 4-11-89, Cl. 210-651.000.

Henein, Naeim A., to Wayne State University. Cranking fuel control method and apparatus for combustion engines. 4,867,115, 9-19-89, Cl. 123-179.00L.

Heneker, Stephen R. Fluid flow control apparatus. 4,852,606, 8-1-89, Cl. 137-495.000.

Henergy Enterprises Limited Partnership: *See—*

  Weimer, Kent A.; and Walls, Lester L., Jr., 4,848,051, Cl. 52-200.000.

Henery, Maurice D., to Marblehead Lime Company. Apparatus and method for disposing of waste material. 4,794,872, 1-3-89, Cl. 110-346.000.

Henery, Vern A., to PPG Industries, Inc. Chemical vapor deposition of tin oxide on float glass in the tin bath. 4,853,257, 8-1-89, Cl. 427-166.000.

Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, to CGEE Alsthom. Screw-type connecting means for wires and lugs. 4,830,627, 5-16-89, Cl. 439-586.000.

Heng, Jean-Paul; Jusseau, Marcel; and Humbert-Labeaumaz, Alain, to CGEE Alsthom. Device for rapidly fixing a tubular element in an apparatus housing, and a terminal block for optical fibers including such a device. 4,832,439, 5-23-89, Cl. 350-96.210.

Heng, Jean-Paul; Ruiz, Ariel; and Boissonnet, Alain, to CGEE Alsthom. Slotted connection arrangement for an electric wire, and a corresponding connection tool. 4,840,579, 6-20-89, Cl. 439-395.000.

Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, to OGEE Alsthom. Arrangement for electrical connections and in particular a junction block. 4,846,722, 7-11-89, Cl. 439-439.000.

Heng, Jean-Paul; Marmonier, Andre ; and Briguet, Etienne, to Societe Anonyme dite: CGEE Alsthom. Electric connection terminal for wires that are not prior-stripped. 4,878,855, 11-7-89, Cl. 439-411.000.

Henger, Peter: *See—*

  Schneider, Rolf; Luderer, Fred; and Henger, Peter, 4,851,253, Cl. 427-8.000.

Hengstenberger, Gary M.; and Montavon, John I. Safety harness. 4,854,418, 8-8-89, Cl. 182-3.000.

Henig, Sammy S.: *See—*

  Rodriguez-Cavazos, Enrique; Wetta, Steven C.; Smith, Lawrence E.; and Henig, Sammy S., 4,866,525, Cl. 358-190.000.

Heniges, William B. Crankshaft assembly for variable stroke engine for variable compression. 4,887,560, 12-19-89, Cl. 123-78.00F.

Henigue, Christian, to Ecia Equipements et Composants pour L'Industrie Automobile. Device for adjusting the angular position of a steering wheel on a motor vehicle steering column and steering wheel provided with said device. 4,819,961, 4-11-89, Cl. 280-775.000.

Henigue, Christian, to Equipements et Composants pour l'Industrie Automobile. Lightened steering wheel, in particular for a motor vehicle, produced from stampable, reinforced, synthetic materials and process for the manufacture thereof. 4,875,387, 10-24-89, Cl. 74-552.000.

Henikoff, Steven; and Gelinas, Richard E., to Fred Hutchinson Cancer Research Center. Process for producing shortened target DNA fragments usable in sequencing large DNA segments. 4,843,003, 6-27-89, Cl. 435-91.000.

Henikoff, Steven; and Gelinas, Richard E., to Fred Hutchinson Cancer Research Center. Reagent kit producing shortened target DNA segments usable in sequencing large DNA segments. 4,889,799, 12-26-89, Cl. 435-6.000.

Heninger, Byrne E.: *See—*

  Bachman, Gilbert; and Heninger, Byrne E., 4,817,949, Cl. 273-139.000.

Henion, John D.; Covey, Thomas R.; and Bruins, Andries P., to Cornell Research Foundation, Inc. Ion spray apparatus and method. 4,861,988, 8-29-89, Cl. 290-288.000.

Henk, Michael G.; and Summers, Jack C., II, to Allied-Signal Inc. Layered automotive catalytic composite. 4,868,148, 9-19-89, Cl. 502-303.000.

Henke, David R.; and Malchow, Douglas B., to Warner Manufacturing Company. Wallcovering kit apparatus and method. 4,834,237, 5-30-89, Cl. 206-373.000.

Henke, David R., to Warner Manufacturing Company. Sander tool apparatus. 4,885,876, 12-12-89, Cl. 51-393.000.

Henke, James L.: *See—*

  Slate, John B.; and Henke, James L., 4,863,425, Cl. 604-65.000.

Henke, Mitchell C., to Lincoln Foodservice Products, Inc. Hot air oven having infra-red radiant surfaces. 4,881,519, 11-21-89, Cl. 126-21.00A.

Henke-Sass, Wolf GmbH: *See—*

  Joniachkeit, Horst, 4,861,339, Cl. 604-118.000.

Henke, Stephan: *See—*

  Teetz, Volker; Henke, Stephan; Brocks, Dietrich; Hanauske-Abel, Hartmut; and Gunzler, Volkmar, 4,797,471, Cl. 514-18.000.

Henke, Ulrich: *See—*

  Baumgartner, Hans; Sudbeck, Rainer; Henke, Ulrich; and Brandstadter, Manfred, 4,794,904, Cl. 123-564.000.

  Baumgartner, Hans; Henke, Ulrich; Brandstadter, Manfred; Heikrodt, Klaus; and Schneider, Herbert, 4,822,260, Cl. 417-440.000.

  Baumgartner, Hans; Brandstadter, Manfred; and Henke, Ulrich, 4,840,550, Cl. 418-150.000.

Henkel Corporation: *See—*

  Abend, Phillip G., 4,885,379, Cl. 558-34.000.

  Awad, Sami B., 4,859,351, Cl. 252-32.500.

  Carandang, Carmen M., 4,851,149, Cl. 252-147.000.

  Donovan, Joseph C.; and Ahmed, Bashir M., 4,874,673, Cl. 428-463.000.

  Johnson, Grannis S.; Grinstein, Reuben H.; Hartman, Stuart J.; and Dallago, Raymond P., 4,879,414, Cl. 564-388.000.

  Kramer, Linda S., 4,865,653, Cl. 204-38.100.

  Lin, Wilson L.; Mattison, Phillip L.; and Virnig, Michael J., 4,814,007, Cl. 75-118.00R.

  Mattison, Phillip L.; Wirth, Ronald P.; Virnig, Michael J.; and Krbechek, LeRoy, 4,886,889, Cl. 548-497.000.

  Roth, Claris D.; Moser, Kenneth B.; Howell, Gail M.; and Urfer, Allen D., 4,834,903, Cl. 252-174.170.

  Sonoda, Sakae; Hetsugi, Kouji; Sawasaki, Yoshihiko; Kaburagi, Kouji; and Matsushima, Yasunobu, 4,874,480, Cl. 204-56.100.

  Tuominen, Francis W.; Swanson, Ronald R.; Mattison, Phillip L.; MacKay, Kenneth D.; and Glorvigen, Bradley W., 4,886,888, Cl. 548-497.000.

  Whyzmuzis, Paul D., 4,820,765, Cl. 524-606.000.

Henkel, Dietmar, to Man Nutzfahrzeuge GmbH. Apparatus for removing soot from the exhaust gases of an internal combustion engine. 4,811,559, 3-14-89, Cl. 60-303.000.

Henkel, Dietmar, to MAN Nutzfahrzeuge GmbH. Method and apparatus to dispose of particulates separated-off via an exhaust gas filter of an internal combustion engine. 4,829,766, 5-16-89, Cl. 60-303.000.

Henkel, Eberhard; Dolabdjian, Barkew; Helger, Roland; Klink, Rainer; and Wurzburg, Uwe, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Process and reagent for the determination of α-amylase. 4,857,640, 8-15-89, Cl. 536-4.100.

Henkel France S.A.: *See—*

  Freal-Saison, Jean-Michel, 4,874,498, Cl. 204-400.000.

Henkel, Hans-Joachim; and Muller, Norbert, to Siemens Aktiengesellschaft. Electric insulation with a silicic acid additive made by a melt process. 4,795,769, 1-3-89, Cl. 523-219.000.

Henkel Kommanditegesellschaft auf Aktien: *See—*

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Henkel Kommanditgesellschaft auf Aktien: *See—*

  Alterschoepfer, Theodor; Jeschke, Peter; and Wisotzki, Klaus-Dieter, 4,818,427, Cl. 252-174.210.

  Altenschopfer, Theodor; Schumann, Klaus; and Christophliemk, Peter, 4,801,396, Cl. 252-99.000.

  Amberg, Guenther; Bechstedt, Wolfgang; Schulz, Paul; and Trabitzsch, Uwe, 4,889,644, Cl. 252-8.900.

  Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.

  Ansmann, Achim, 4,798,682, Cl. 252-312.000.

  Baehr, Bernd D.; Rall, Ulrich; van Delden, Hildegard; and Lillotte, Wolfgang, 4,880,566, Cl. 252-389.220.

  Bansemir, Klaus; and Grege, Hans-Joachim, 4,847,197, Cl. 435-32.000.

  Blum, Helmut; and Hemmann, Siglinde, 4,876,339, Cl. 540-450.000.

  Blum, Helmut; and Hemmann, Siglinde, 4,880,575, Cl. 562-21.000.

  Breitzke, Willi, 4,871,777, Cl. 514-785.000.

  Breitzke, Willi; and Hensen, Hermann, 4,876,035, Cl. 252-550.000.

  Buchmeier, Willi; Kehl, Ralf; and Schwab, Werner, 4,820,417, Cl. 210-638.000.

  Buchmeier, Willi; and Brodalla, Dieter, 4,877,495, Cl. 204-42.000.

  Buecheler, Herbert; Capune, Thomas; Holdt, Bernd-Dieter; Menke, Ronald; and Tuerk, Erich, 4,813,084, Cl. 4-231.000.

  Busch, Peter; and Thiele, Klaus, 4,830,030, Cl. 132-212.000.

  Busch, Peter; and Thiele, Klaus, 4,867,183, Cl. 132-110.000.

  Emmerling, Winfried; Podola, Tore; and Wichelhaus, Juergen, 4,824,888, Cl. 524-199.000.

  Emmerling, Winfried; and Podola, Tore, 4,857,623, Cl. 528-28.000.

  Fabry, Bernd; Piorr, Robert; and Schumacher, Astrid, 4,865,774, Cl. 252-554.000.

  Fischer, Herbert; Hase, Brigitte; Moller, Hinrich; Wilk, Hans-Christoph; and Zeidler, Ulrich, 4,801,601, Cl. 514-384.000.

  Fischer, Herbert; Wegemund, Bernd; Gress, Wolfgang; and Gorzinski, Manfred, 4,859,746, Cl. 525-293.000.

  Friese, Hans-Herbert; Ploog, Uwe; and Prinz, Wolfgang, 4,799,932, Cl. 8-94.230.

  Friese, Hans-Herbert; Pieper, Friedrich; and Bosse, Reinhard, 4,800,045, Cl. 260-400.000.

  Geke, Juergen; and Rutzen, Horst, 4,814,108, Cl. 252-545.000.

  Geke, Juergen; and Zange, Bernhard, 4,820,344, Cl. 106-14.130.

  Giede, Karl; and Hoeffkes, Horst, 4,795,632, Cl. 424-70.000.

  Gobel, Gerd, 4,847,016, Cl. 200-409.000.

  Gonzalez, Rene A. A.; Budnowski, Manfred; Herold, Julius; Rutzen, Horst; Schneider, Eberhard; and Seltmann, Hans-Guenter, 4,829,142, Cl. 528-111.000.

  Gonzalez, Rene- Andres A.; Emmerling, Winfried; Podola, Tore; and Neitzer, Klaus, 4,820,789, Cl. 528-55.000.

  Gonzalez, Rene-Andres A.; Emmerling, Winfried; Krause, Werner; Podola, Tore; and Neitzer, Klaus, 4,861,863, Cl. 528-408.000.

  Gonzalez, ReneA. A.; Nicolaisen, Heinz-Christian; and Kammer, Lothar, 4,882,001, Cl. 156-273.300.

  Hemm, Dieter; and Schindler, Norbert, 4,820,440, Cl. 252-135.000.

  Hoefer, Rainer; Schmid, Karl H.; Asbeck, Adolf; and Held, Uwe, 4,797,222, Cl. 252-174.210.

  Hoefer, Rainer; Gruber, Bert; Meffert, Alfred; and Gruetzmacher, Roland, 4,826,944, Cl. 528-49.000.

  Hoeffkes, Horst; Lange, Fritz; and Giede, Karl, 4,820,511, Cl. 424-70.000.

  Hoeffkes, Horst; and Kaczich, Anke, 4,824,594, Cl. 252-174.210.

  Hollenberg, Detlef; Schneider, Hans; and Weihrauch, Georg, 4,823,458, Cl. 29-527.200.

  Hollenberg, Detlef; Schneider, Hans; and Weihrauch, Georg, 4,856,542, Cl. 132-265.000.

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Mueller, Heinz; Herold, Claus-Peter; van Tapavizca, Stephan; Dolhaine, Hans; von Rybinski, Wolfgang; and Wichelhaus, Winfried, 4,888,120, Cl. 252-8.551.
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Oberkobusch, Doris; Morlock, Roland; Stritzke, Karl-Heinz; and Schieferstein, Ludwig, 4,859,721, Cl. 523-402.000.
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Osberghaus, Rainer; Kresse, Franz; and Scheller, Bernfrid, 4,863,299, Cl. 401-15.000.
Osberghaus, Rainer; Rogmann, Karl-Heinz; and Froehlich, Birgit, 4,863,629, Cl. 252-162.000.
Pfeiffer, Hans; Biermann, Manfred; Schroeder, Peter; Goebel, Gerd; and Mueller, Annemarie, 4,820,517, Cl. 424-195.100.
Pioch, Lothar; Jung, Dieter; Jacobs, Jochen; and Wilms, Elmar, 4,834,902, Cl. 252-135.000.
Piorr, Robert; Rommerskirchen, Hans-Josef; Ritterbex, Horst; and Jost, Frantisek, 4,820,451, Cl. 260-400.000.
Ploog, Uwe; Busch, Peter; Thiele, Klaus; Hoffkes, Horst; and Giede, Karl, 4,803,068, Cl. 424-70.000.
Ploog, Uwe; Uphues, Guenter; and Nikolaus, Peter, 4,833,253, Cl. 548-352.000.
Ploog, Uwe; and Uphues, Guenter, 4,865,614, Cl. 8-115.600.
Ploog, Uwe; and Uphues, Guenter, 4,877,539, Cl. 252-8.800.
Pohl, Joachim; Carduck, Franz-Josef; and Goebel, Gerd, 4,855,273, Cl. 502-244.000.
Puchta, Rolf; Nuesslein, Hans; and Voelkel, Theodor, 4,814,095, Cl. 252-8.600.
Puchta, Rolf; Nuesslein, Hans; and Casper, Hannelore, 4,839,075, Cl. 252-8.700.
Richtler, Hans-Joachim; Kreutzer, Udo; Carduck, Franz-Josef; Koester, Klaus; and Harth, Hubert, 4,874,552, Cl. 260-400.000.
Ritter, Wolfgang; Handwerk, Hans-Peter; Schlueter, Kaspar; and Hassenjuergen, Heinz, 4,797,964, Cl. 8-115.600.
Ritter, Wolfgang; Handwerk, Hans-Peter; and Carduck, Franz-Josef, 4,866,023, Cl. 502-174.000.
Rose, David; Lieske, Edgar; and Maak, Norbert, 4,832,697, Cl. 8-429.000.
Rose, David; Maak, Norbert; and Lieske, Edgar, 4,838,893, Cl. 8-405.000.
Rose, David; Lieske, Edgar; and Maak, Norbert, 4,842,612, Cl. 8-411.000.
Rose, David; Lieske, Edgar; Hoeffkes, Horst; and Maak, Norbert, 4,859,206, Cl. 8-429.000.
Rosenberg, Werner, 4,836,422, Cl. 222-190.000.
Rutzen, Horst; and Stoll, Gerhard, 4,825,004, Cl. 568-864.000.
Rutzen, Horst; and Sung, Eric, 4,832,856, Cl. 252-8.800.
Sandkuehler, Peter; and Schenck, Guenter, 4,846,997, Cl. 252-186.380.
Scheuffgen, Ingeborg, 4,868,220, Cl. 514-784.000.
Schieferstein, Ludwig; Hoeffkes, Horst; Seidel, Kurt; Giede, Karl; and Busch, Peter, 4,814,101, Cl. 252-174.230.
Schmid, Karl H.; Meffert, Alfred; and Lange, Fritz, 4,832,868, Cl. 252-356.000.
Schmid, Karl H.; and Biermann, Manfred, 4,889,925, Cl. 536-18.600.
Schmid, Karl-Heinz; Asbeck, Adolf; and Stanislowski, Detlev, 4,853,145, Cl. 252-136.000.
Schmid, Karl-Heinz; Penninger, Josef; and Moeller, Hinrich, 4,874,579, Cl. 422-16.000.
Schroeder, Peter; Bouten, Hans; and Biermann, Manfred, 4,888,325, Cl. 514-25.000.
Schuett, Hartwig, 4,804,790, Cl. 568-885.000.
Schulz, Paul; Witthaus, Martin; and Waldmann, Juergen, 4,801,401, Cl. 252-358.000.
Schulz, Paul; Waldmann, Juergen; Carduck, Franz-Josef; Witthaus, Martin; and Schmadel, Edmund, 4,832,866, Cl. 252-321.000.
Schulz, Paul; and Amberg, Guenther, 4,836,405, Cl. 220-93.000.
Schumann, Klaus; Guirr, Ortburg; Schulz, Paul; and Foerg, Franz, 4,797,231, Cl. 252-547.000.
Scoggins, William C.; Herold, Claus-Peter; and Mueller, Heinz, 4,851,142, Cl. 252-8.515.
Soldanski, Heinz; Holdt, Bernd-Dieter; Keup, Petra; and Meier-Krug, Ursula, 4,834,900, Cl. 252-88.000.
Soldanski, Heinz-Dieter; Kalibe, Marlis; and Holdt, Bernd-Dieter, 4,808,329, Cl. 252-162.000.
Stoeffler, Albert; Mehl, Dietholf; and Schneider, Hans, 4,823,946, Cl. 206-221.000.
Strzalko, Peter; Walber, Franz-Josef; and Wombacher, Ulrich, 4,799,133, Cl. 362-133.000.
Trabitzsch, Uwe; and Grund, Helmut, 4,832,863, Cl. 252-135.000.
Upadek, Horst; and Wichelhaus, Winfried, 4,846,990, Cl. 252-8.800.
Uphues, Guenter; and Ploog, Uwe, 4,866,193, Cl. 558-150.000.
Uphues, Guenter; Ploog, Uwe; and Bischof, Klaudia, 4,874,883, Cl. 558-150.000.
Veitenhansl, Rudolf; Froeschke, Wolfgang; and Piorr, Robert, 4,826,998, Cl. 549-14.000.
Veitenhansl, Rudolf; Froeschke, Wolfgang; Waltenberger, Peter; and Uphues, Guenter, 4,865,768, Cl. 260-403.000.
Veitenhansl, Rudolf; Waltenberger, Peter; Lange, Fritz; Uphues, Guenter; and Ploog, Uwe, 4,883,604, Cl. 252-8.900.
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von Rybinski, Wolfgang; Upadek, Horst; and Wichelhaus, Winfried, 4,839,066, Cl. 252-8.750.
Wahle, Bernd; Anzinger, Hermann; Ziche, Horst; and Schinski, Erhard, 4,880,898, Cl. 528-272.000.
Wegener, Ingo; Meffert, Alfred; and Kischkel, Ditmar, 4,820,448, Cl. 252-533.000.
Wegener, Ingo; Giesen, Brigitte; Meffert, Alfred; Werner, Claus; Hennen, Udo; and Hormes, Marlene, 4,861,508, Cl. 252-121.000.
Wershofen, Thomas, 4,803,012, Cl. 252-544.000.
Wilms, Elman; Jung, Dieter; Linsenbold, Herbert; Pioch, Lothar; and Wichelhaus, Winfried, 4,861,510, Cl. 252-174.130.
Wilsberg, Heinz-Manfred; and Puchta, Rolf, 4,877,556, Cl. 252-544.000.
Wisotzki, Klaus-Dieter; Guirr, Ortburg; Jeschke, Peter; Schumann, Klaus; Schmid, Karl-Heinz; and Biermann, Manfred, 4,839,094, Cl. 252-557.000.
Wisotzki, Klaus-Dieter; Schaab, Udo; Reitz, Hans-Joachim; and Orczech, Juergen, 4,852,591, Cl. 134-57.00R.
Wuest, Willi; Harth, Hubert; Springer, Dirk; and Foerg, Franz, 4,851,525, Cl. 540-542.000.
Zeidler, Ulrich; and Meffert, Alfred, 4,888,437, Cl. 558-105.000.

Henkelmann, Jochem; Eggersdorfer, Manfred; Grosch, Walter; Schubmacher, Alfred; and Siegel, Hardo, to BASF Aktiengesellschaft. Preparation of alkyl-substituted aromatic ketones. 4,853,481, 8-1-89, Cl. 562-460.000.

Henkelmann, Jochem: *See*—
Eggersdorfer, Manfred; Henkelmann, Jochem; Heinz, Gerhard; and Koch, Juergen, 4,835,242, Cl. 528-125.000.
Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; and Henkelmann, Jochem, 4,837,296, Cl. 528-125.000.
Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; Henkelmann, Jochem; Muenstedt, Helmut; and Ittemann, Peter, 4,867,912, Cl. 528-125.000.

Henkels & McCoy, Inc.: *See*—
Kohn, Robin J., 4,844,658, Cl. 405-159.000.

Henkels, Wolf-Dieter; and Balzer, Marion, to Grace Service Chemicals GmbH. Composition killing or inhibiting the growth of microorganisms and the use thereof. 4,879,306, 11-7-89, Cl. 514-441.000.

Henkin, Melvyn L.; and Laby, Jordan M. Hydrotherapy massage method and apparatus. 4,813,086, 3-21-89, Cl. 4-542.000.

Henkin, Melvyn L.; and Laby, Jordan M. Hydrotherapy massage method and apparatus. 4,825,854, 5-2-89, Cl. 128-66.000.

Henley, Albert F., Jr. Emergency backboard. 4,794,656, 1-3-89, Cl. 5-82.00R.

Henley, Alvera S. Vehicle passenger seat for handicapped persons. 4,874,203, 10-17-89, Cl. 297-250.000.

Henley Burrowes & Company Limited: *See*—
Finch, Maurice, 4,838,750, Cl. 414-300.000.

Henley, Douglas R. Ball hitting practice device. 4,828,262, 5-9-89, Cl. 273-26.00E.

Henley, Douglas R. Lead arm development bat. 4,836,541, 6-6-89, Cl. 273-26.00B.

Henley, Francois G.; Choi, Hee-June; Kratzer, Dean J.; and Barr, Maurice R., to Photon Dynamics, Inc. Ultra-high-speed digital test system using electro-optic signal sampling. 4,875,006, 10-17-89, Cl. 324-158.00R.

Henley, Francois J.: *See*—
Choi, Hee-June; Henley, Francois J.; and Barr, Maurice R., 4,862,075, Cl. 324-158.00F.

Henley, George S.: *See*—
Lindstrom, Albert K.; Strader, David R.; and Henley, George S., 4,813,365, Cl. 114-56.000.

Henley, George W., Jr.: *See*—
Stinson, John L., Jr.; and Henley, George W., Jr., 4,796,333, Cl. 17-76.000.

Henley Group, Inc., The: *See*—
Patel, Ramanlal L.; and Mills, Jesse V., 4,796,483, Cl. 74-519.000.

Henley, Harold B.; Norberg, Kenneth L.; and Devine, John P., to Enercept, Inc. Insulated building construction. 4,852,310, 8-1-89, Cl. 52-90.000.

Henley, John P.; Pearson, Stanley R.; Peters, Bruce C.; and LaFitte, Larry L., to Dow Chemical Company, The. Two-stage coal gasification process. 4,872,886, 10-10-89, Cl. 48-197.00R.

Henley Manufacturing Corporation: *See*—
Mills, Jesse V., 4,825,717, Cl. 74-519.000.
Mills, Jesse V., 4,848,180, Cl. 74-519.000.

Henlin, Dennis A.: *See*—
Marin, Moshe; Henlin, Dennis A.; and Lewis, Edward T., 4,866,658, Cl. 364-784.000.

Henlopen Manufacturing Co., Inc.: *See*—
Schrepf, Volker; and Hartel, Franklin J., 4,861,179, Cl. 401-129.000.

Henmi, Fumiaki: *See*—
Ohtsuki, Tadashi; Henmi, Fumiaki; and Kobayashi, Yuhei, 4,845,696, Cl. 369-13.000.

Henmi, Kazuya: *See*—
Takahashi, Motoshi; Henmi, Kazuya; Chiba, Hiroshi; and Maegaki, Yasunobu, 4,807,145, Cl. 364-474.170.

Henmi, Naoya, to NEC Corporation. Optical transmitter comprising an optical frequency discriminator. 4,805,235, 2-14-89, Cl. 455-608.000.

Henmi, Shoichi, to Alps Electric Co., Ltd. Quasifixed variable resistor. 4,835,511, 5-30-89, Cl. 338-174.000.

Henn, Arthur R.: *See*—
Monzyk, Bruce F.; and Henn, Arthur R., 4,882,132, Cl. 423-139.000.

Henn, Friedrich; Neier, Wilhelm; Strehlke, Gunter; and Webers, Werner, to Deutsche Texaco Aktiengesellschaft. Process for the continuous production of lower aliphatic alcohols. 4,831,197, 5-16-89, Cl. 568-899.000.

Henn, Robert L.: *See*—
Crowther, Glenn W.; Hyde, Christopher T.; and Henn, Robert L., 4,814,412, Cl. 528-28.000.

Henn, Stefan, to Robert Krups Stiftung & Co. KG. Tea making machine. 4,843,954, 7-4-89, Cl. 99-292.000.

Henn, Stefan; and Beumer, Klaus, to Robert Krups Stiftung & Co. KG. Machine for brewing coffee and other hot beverages. 4,843,955, 7-4-89, Cl. 99-295.000.

Henne, John R., to Stanley Works, The. Oven door with means for preventing inadvertent locking. 4,838,586, 6-13-89, Cl. 292-113.000.

Henne, Preston A.; and Gregg, Robert D., III, to McDonnell Douglas Corporation. Divergent trailing-edge airfoil. 4,858,852, 8-22-89, Cl. 244-35.00R.

Hennecke, Dieter; Herb, Eugen; Ochner, Udo; and Jordan, Bernd, to Bayerische Motoren Werke A.G. Method for the damping force adjustment of motor vehicles as a function of output signals of a transmitter arranged at the vehicle body. 4,821,189, 4-11-89, Cl. 364-424.050.

Hennecke, Dieter: *See*—
Dietrich, Christian; Hennecke, Dieter; Losch, Simon; and Pfeil, Dirk, 4,805,101, Cl. 364-424.010.

Hennecke, Dietmar; Pfaff, Klaus; and Grigo, Dietrich, to MTU Motoren- und Turbinen-Union Munchen GmbH. Gas turbine propulsion unit with devices for branching off compressor air for cooling of hot parts. 4,825,643, 5-2-89, Cl. 60-39.750.

Hennecke, Rudolf; and Kehrberger, Achim, to Delmag Maschinenfabrik Reinhold Dornfeld GmbH & Co. Hydraulic pile driver. 4,817,733, 4-4-89, Cl. 173-2.000.

Henneken, Bernhard; Kammerling, Bruno; Scholz, Eckhard-K.; Schroder, Wolfgang; and Krause, Hans, to Man Gutehoffnungschutte GmbH. Furnace charging throat construction. 4,878,655, 11-7-89, Cl. 266-184.000.

Henneken, Bernhard; Kammerling, Bruno; Scholz, Eckhard-K.; Schroeder, Wolfgang; and Krause, Hans, to Man Gutehoffnungschutte GmbH. Furnace charging throat construction. 4,881,869, 11-21-89, Cl. 414-786.000.

Hennel, Ewald. Method of setting the output of a pump. 4,844,334, 7-4-89, Cl. 237-8.00R.

Hennells, Ranson J., to Rantom, Inc. Control valve for gas spring. 4,813,655, 3-21-89, Cl. 267-64.280.

Hennen, Harry A.: *See*—
Ziolko, Eric F.; and Hennen, Harry A., 4,827,514, Cl. 380-48.000.

Hennen, John J.: *See*—
Bramstedt, Gerd; Love, Mahlon L.; and Hennen, John J., 4,838,011, Cl. 56-11.700.

Hennen, Udo: *See*—
Wegener, Ingo; Giesen, Brigitte; Meffert, Alfred; Werner, Claus; Hennen, Udo; and Hormes, Marlene, 4,861,508, Cl. 252-121.000.

Hennenfent, Douglas J.: *See*—
Vadnais, Timothy W.; and Hennenfent, Douglas J., 4,874,922, Cl. 219-243.000.

Hennequin, Petrus J.; and Oskam, Herman, to Hunter Douglas International N.V. Retractable screen. 4,807,683, 2-28-89, Cl. 160-172.000.

Hennequin, Petrus J.; and Oskam, Herman, to Hunter Douglas International N.V. Frame for a retractable blind. 4,865,108, 9-12-89, Cl. 160-172.000.

Hennessey, James R. Bilateral tremolo apparatus. 4,852,448, 8-1-89, Cl. 84-313.000.

Hennessy Industries, Inc.: *See*—
Cunningham, Charles L.; and Gwaltney, Robert E., 4,850,402, Cl. 141-38.000.
McAnally, Marcus E.; and Gwaltney, Robert E., 4,872,492, Cl. 141-38.000.

Hennessy, James P.; Osisek, Damian L.; and Seigh, Joseph W., II, to International Business Machines Corporation. Passive serialization in a multitasking environment. 4,809,168, 2-28-89, Cl. 364-200.000.

Hennessy, Robert E., to Cars & Concepts, Inc. Vehicle convertible top frame side rail linkage assembly. 4,840,421, 6-20-89, Cl. 296-122.000.

Hennessy, Robert E., to Cars & Concepts, Inc. Convertible vehicle having dual rear quarter window assembly. 4,842,327, 6-27-89, Cl. 296-201.000.

Hennessy, Thomas F.: *See*—
Florian, David W.; and Hennessy, Thomas F., 4,823,575, Cl. 70-358.000.

Hennig, Jurgen; and Nauerth, Arno, to Bruker Medizintechnik GmbH. Method for measuring nuclear magnetic resonance. 4,818,940, 4-4-89, Cl. 324-309.000.

Hennig, Jurgen, to Spectrospin AG. Method for encoding and displaying N parameters in multi-dimensional fourier NMR spectroscopy. 4,862,082, 8-29-89, Cl. 324-309.000.

Hennig, Jurgen; Vetter, Heinz; and Munzer, Manfred, to Rohm GmbH Chemische Fabrik. Opaque synthetic resins. 4,876,311, 10-24-89, Cl. 525-229.000.

Henning Berlin GmbH: *See*—
Gadow, Andre, 4,871,660, Cl. 435-7.000.
Quadro, Giuseppe; and Cahn, Jean, 4,826,856, Cl. 514-318.000.

Henning Berlin GmbH Chemie- und Pharmawerk: *See*—
Rokos, Hartmut; Konczak, Heinz; and Forth, Wolfgang, 4,837,229, Cl. 514-517.000.

Henning, Charles. Surgical instrument, and methods for forming a channel in a femoral condyle including reconstructing an anterior cruciate ligament. 4,881,537, 11-21-89, Cl. 606-84.000.

Henning, Georg; Hahn, Erwin; Hauser, Peter; and Patsch, Manfred, to BASF Aktiengesellschaft. Tetrachloroperylene-3,4,9,10-tetracarboxylic acid diimide pigment and its use. 4,846,892, 7-11-89, Cl. 106-478.000.

Henning, Klaus; and Maurer, Jorg, to Gustav Wagner Maschinenfabrik GmbH & Co. KG. Metal slitting saws with improved cutting teeth. 4,867,026, 9-19-89, Cl. 83-835.000.

Henning, Rainer; and Urbach, Hansjorg, to Hoechst Aktiengesellschaft. Process of preparing proline derivatives. 4,849,524, 7-18-89, Cl. 548-411.000.

Henning, Rainer: *See*—
Geiger, Rolf; Teetz, Volker; Langner, Dietrich; Urbach, Hansjorg; and Henning, Rainer, 4,822,894, Cl. 548-252.000.
Lerch, Ulrich; and Henning, Rainer, 4,831,028, Cl. 514-224.200.
Lerch, Ulrich; Henning, Rainer; and Kaiser, Joachim, 4,882,329, Cl. 514-253.000.
Urbach, Hansjorg; Henning, Rainer; Scholkens, Bernward; and Becker, Reinhard, 4,857,520, Cl. 514-183.000.
Urbach, Hansjorg; Henning, Rainer; and Hertzsch, Winfried, 4,886,827, Cl. 514-412.000.

Henning, Rolf: *See*—
Bender, Wolfgang; Henning, Rolf; Knorr, Andreas; and Stasch, Johannes-Peter, 4,818,748, Cl. 514-16.000.

Henning, Wolfgang; Meckel, Walter; and Fuhrmann, Peter, to Bayer Aktiengesellschaft. Process for the continuous production of aqueous polyurethane dispersions and their use as a coating composition or as an adhesive. 4,857,565, 8-15-89, Cl. 523-343.000.

Henning, Wolfgang; Hombach, Rudolf; Meckel, Walter; and Dollhausen, Manfred, to Bayer Aktiengesellschaft. Adhesive and use of the adhesive for the formation of bonds. 4,870,129, 9-26-89, Cl. 524-597.000.

Henning, Wolfgang; Langenthal, Wolfram V.; Perrey, Hermann; and Striegler, Hellmut, to Bayer Aktiengesellschaft. Heat-sensitive polyurethane dispersions. 4,888,379, 12-19-89, Cl. 524-500.000.

Henning, Wolfgang: *See*—
Dormish, Jeffrey; and Henning, Wolfgang, 4,871,798, Cl. 524-591.000.

Hennings, Detlev; Stormberg, Hans-Peter; and Peterek, Manfred, to U.S. Philips Corporation. Electrochemical time switching device. 4,860,269, 8-22-89, Cl. 368-107.000.

Hennington, Willard M. Depositional reconstruction for petroleum location. 4,821,242, 4-11-89, Cl. 367-53.000.

Hennion, Claude: *See*—
Lewiner, Jacques; Hennion, Claude; and Leonard, Didier, 4,857,913, Cl. 340-825.310.
Lewiner, Jacques; and Hennion, Claude, 4,870,411, Cl. 340-825.310.

Hennuy, Jean; and Louison, Bernard, to SEB S.A. Steam iron having variable heat conductivity between the heating base and sole plate. 4,837,952, 6-13-89, Cl. 38-77.700.

Hennuy, Jean; and Wojcik, Guy, to SEB S.A. Double-regime electric heating convector. 4,888,469, 12-19-89, Cl. 219-370.000.

Hennuy, Jean: *See—*

Benoist, Andre; and Hennuy, Jean, 4,815,209, Cl. 30-43.920.

Louison, Bernard; and Hennuy, Jean, 4,860,434, Cl. 29-611.000.

Henny Penny Corporation: *See—*

Brewer, Edward L.; and Clark, John M., 4,840,287, Cl. 220-316.000.

Henoch, Bengt. Device for transmitting electric energy to computers and data nets. 4,798,990, 1-17-89, Cl. 310-334.000.

Henri, Antoine; Lefevre, Daniel; and Massicot, Patrick, to Commissariat A L'Energie Atomique. Process for the preparation of the surface of a uranium and titanium alloy member, particularly with a view to chemical nickel plating. 4,803,098, 2-7-89, Cl. 427-309.000.

Henri, Jean C.: *See—*

Andrieu, Jean P.; Gault, Dominique; and Henri, Jean C., 4,872,013, Cl. 342-135.000.

Henrich, Edmund; and Weirich, Friedheim, to Kernforschungszentrum Karlsruhe GmbH. Process of improving the separation of noble gases from a gas mixture containing them. 4,844,715, 7-4-89, Cl. 55-44.000.

Henrich, Friedhelm; and Hellmuth, Werner, to Gebr. Eickhoff Maschinenfabrik u. Eisengiesserei mbH. Longwall mining machine for the mining of thick mineral seams. 4,883,323, 11-28-89, Cl. 299-42.000.

Henrich, Hans-Otto, to J. M. Voith GmbH. Wood pulp grinder. 4,840,317, 6-20-89, Cl. 241-282.000.

Henrich, William H.: *See—*

Dean, Thomas E.; Henrich, William H.; Fischer, David M.; Stratton, Lawrence J.; and Pietsch, Herbert E., 4,873,471, Cl. 315-308.000.

Henricks, William J. Crashable automobile frame. 4,810,028, 3-7-89, Cl. 296-188.000.

Henricksen, Clifford; and Lemon, John, to U.S. Sound, Inc. Ultralight loudspeaker enclosures. 4,811,403, 3-7-89, Cl. 381-87.000.

Henricksen, Douglas A.; Clemente, Joseph R.; and Miller, Thomas P., to QIC Plastics, Inc. Vehicular mounted food receptacle. 4,813,582, 3-21-89, Cl. 224-42.430.

Henricksen, Ronald M.: *See—*

Carlton, Dale E.; Baker, Clifford E.; and Henricksen, Ronald M., 4,876,655, Cl. 364-487.000.

Henrickson, James A.: *See—*

Long, Lawrence J.; and Henrickson, James A., 4,877,079, Cl. 164-468.000.

Henrie, Robert N., II, to FMC Corporation. Pyridinylurea N-oxide compounds and agricultural uses. 4,808,722, 2-28-89, Cl. 71-94.000.

Henrie, Robert N., II, to FMC Corporation. Pyridinylurea compounds and agricultural uses. 4,818,271, 4-4-89, Cl. 71-88.000.

Henriksen, Henrik M.; and Oen, Egil O. Projectile for darting gun. 4,882,995, 11-28-89, Cl. 102-371.000.

Henrikson, Gregory A. File storage carton. 4,817,861, 4-4-89, Cl. 229-122.000.

Henriksson, Soren N.: *See—*

Andreasson, Bo C.; Henriksson, Soren N.; and Karreman, Lars-Olof, 4,841,920, Cl. 123-41.660.

Henriksson, Torbjorn; Laukia, Kari; Sipila, Heikki; and Hjerppe, Markus, to Oy Wartsila Ab. Propeller shaft bearing arrangement. 4,795,273, 1-3-89, Cl. 384-97.000.

Henrion, Laurence: *See—*

Barraud, Andre; Derost, Gisele; Henrion, Laurence; and Ruaudel-Teixier, Annie, 4,871,680, Cl. 436-103.000.

Henriot, Michel: *See—*

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Henriquez, Percy C., to Douwe Egberts Koninklijke Tabaks-fabriek-Koffiebranderijen-Theehandel N.V. Process for separating solid particles and/or liquid from a suspension and wash column. 4,840,737, 6-20-89, Cl. 210-772.000.

Henrot, Denis: *See—*

Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,829,373, Cl. 358-88.000.

Leberl, Franz W.; Curry, Sean; Henrot, Denis; Karspeck, Milan; and Lee, Scott, 4,841,455, Cl. 364-525.000.

Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,849,912, Cl. 364-525.000.

Henry, Adrienne Leigh: *See—*

Henry, Donald D., 4,867,078, Cl. 110-264.000.

Henry, Barry A.: *See—*

Kent, Allan R.; Stewart, Robert E.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; and Metz, Donald R., 4,845,722, Cl. 370-58.000.

Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagame, Steven P.; and Kirk, Robert C., 4,887,076, Cl. 340-825.160.

Henry, Charles H.: *See—*

Alferness, Rodney C.; Henry, Charles H.; Kazarinov, Rudolf F.; Olsson, Nils A.; and Orlowsky, Kenneth J., 4,852,960, Cl. 350-96.190.

Henry, Colleen M., to Ashland Oil, Inc. Phenolic resin compositions and their use in foundry binders. 4,814,363, 3-21-89, Cl. 523-143.000.

Henry, Colleen M., to Ashland Oil, Inc. Process for preparing foundry shapes and castings utilizing certain polyurethane binders. 4,852,636, 8-1-89, Cl. 164-527.000.

Henry, Danise: *See—*

Henry, Verlyn; and Henry, Danise, 4,798,539, Cl. 434-319.000.

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Henry, Donald D., to Henry, Donald David; and Henry, Adrienne Leigh. Burner. 4,867,078, 9-19-89, Cl. 110-264.000.

Henry, Donald David: *See—*

Henry, Donald D., 4,867,078, Cl. 110-264.000.

Henry Dreyfuss Associates: *See—*

Conner, James M.; Harden, Daniel K.; and Genaro, Donald M., 4,795,422, Cl. 604-14.000.

Henry, Francois: *See—*

Buisson, Dominique; Henry, Francois; Leblanc, Jean; Pfeifle, Helmut; and Pigeroulet, Jean, 4,805,580, Cl. 123-506.000.

Henry, George A.: *See—*

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Henry, Harry M. Adjustable resistance exerciser. 4,872,669, 10-10-89, Cl. 272-132.000.

Henry, James D.: *See—*

Cozzutto, Lyndon L.; Henry, James D.; and Hawley, Michael E., 4,815,255, Cl. 53-459.000.

Henry, James E.: *See—*

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Henry, James R.; and Summers, Ernest M., to Wear-Cote International, Inc. Co-deposition of fluorinated carbon with electroless nickel. 4,830,889, 5-16-89, Cl. 427-438.000.

Henry, James W.: *See—*

Just, Murray K.; Grodecki, Lawrence S.; Henry, James W.; and Hantke, Glenn M., 4,813,489, Cl. 172-175.000.

Henry, Janis C., to Allergan, Inc. Ultraviolet light absorbing compounds, compositions and methods for making same. 4,845,180, 7-4-89, Cl. 528-73.000.

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Henry, Max; and Callendrier, David. Device for preventing loosening of a member. 4,880,344, 11-14-89, Cl. 411-374.000.

Henry, Michael F., to General Electric Company. Fatigue crack resistant IN-100 type nickel base superalloys. 4,867,812, 9-19-89, Cl. 148-428.000.

Henry, Paul K.: *See—*

Bickler, Donald B.; Henry, Paul K.; and LoGiurato, D. Daniel, 4,815,841, Cl. 356-43.000.

Henry, Pearson W.: *See—*

Rush, James B.; Bryan, James S.; Gunter, Jonas L.; Dillard, Guy W.; Meadows, Roger D.; and Henry, Pearson W., 4,887,851, Cl. 285-158.000.

Henry, Philip, to Gray Electronics, Inc. Transmitter detector for use in a moving vehicle. 4,841,302, 6-20-89, Cl. 342-20.000.

Henry, Ralph E., to Dresser Industries, Inc. Plastic valve. 4,794,944, 1-3-89, Cl. 137-312.000.

Henry, Ralph E., to Dresser Industries, Inc. Compression coupling for plastic pipe. 4,878,697, 11-7-89, Cl. 285-250.000.

Henry, Raymond: *See—*

Funck, Ronald; and Henry, Raymond, 4,812,895, Cl. 357-69.000.

Henry, Richard D. Foolproof simplified vacuum systems. 4,817,89 4-4-89, Cl. 244-1.00R.

Henry, Robert E., to Westinghouse Electric Corp. Passive filtered containment vent. 4,816,210, 3-28-89, Cl. 376-309.000.

Henry, Samuel B.; and Kuhns, James J., to Cadillac Gage Textron Inc. Dynamic track tensioning system for tracked vehicles. 4,840,437, 6-20-89, Cl. 305-10.000.

Henry, Steven G.; Johnson, Dan S.; Spears, Kurt E.; and Wanger, Mark E., to Hewlett-Packard Company. Head-tape alignment apparatus with a tape edge find operation. 4,802,030, 1-31-89, Cl. 360-60.000.

Henry, Verlyn; and Henry, Danise. Prenatal learning device and method. 4,798,539, 1-17-89, Cl. 434-319.000.

Henry Vogt Machine Co.: *See—*

Girdley, Harry W., 4,834,340, Cl. 251-366.000.

Henry, Walter L.: *See—*

Griffith, James M.; Maciel, Mario; Henry, Walter L.; and Zaleski, Paul J., 4,841,977, Cl. 128-660.030.

Morcos, N. Charle; and Henry, Walter L., 4,886,831, Cl. 514-456.000.

Henry, Winston L., to LTV Aerospace & Defense Company. Pre-cast sealant dome and method. 4,826,380, 5-2-89, Cl. 411-377.000.

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Janssens, Frans E.; Hens, Jozef F.; and Torremans, Joseph L. G., 4,835,161, Cl. 514-303.000.

Janssens, Frans E.; Kennis, Ludo E. J.; Hens, Jozef F.; Torremans, Joseph L. G.; and Diels, Gaston S. M., 4,839,374, Cl. 514-394.000.

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Henschel, Claude, to Allied-Signal Inc. Homogeneous, ductile brazing foils. 4,801,072, 1-31-89, Cl. 228-245.000.

Henschel, Paul S. Engine heater, small, portable. 4,815,426, 3-28-89, Cl. 123-142.50R.

Henschel, Walter; Melzer, Gerhard; and Kunstmann, Uwe, to Carl Schenck AG. Process and apparatus for producing a fiber web. 4,865,798, 9-12-89, Cl. 264-518.000.

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Hensel, Bernd: *See—*

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Hensel, Robert J., to Brunswick Corporation. Fuel puddle bleed shut-off for fuel injected two cycle engine. 4,794,889, 1-3-89, Cl. 123-73.0SC.

Hensel, Robert J., to Brunswick Corporation. Fuel injected two cycle engine with progressive throttle linkage for improved resolution of throttle position sensor. 4,864,996, 9-12-89, Cl. 123-442.000.

Hensel, Robert J.; and Fenrich, William G., to Brunswick Corporation. Solenoid controlled oil injection system for two cycle engine. 4,887,559, 12-19-89, Cl. 123-73.0AD.

Hensel, Robert J.: *See—*

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Hensens, Otto D.; Kempf, August J.; Schwartz, Robert E.; Sykes, Ruth S.; Wichmann, Carol F.; Wilson, Kenneth E.; Zimmerman, Sheldon B.; and Zink, Deborah L., to Merck & Co., Inc. Antifugal tri-yne carbonates. 4,806,565, 2-21-89, Cl. 514-467.000.

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Borris, Robert P.; Burg, Richard W.; Hensens, Otto D.; Huang, Leeyuan; Kelemen, Livia; and Mochales, Sagrario, 4,814,324, Cl. 514-26.000.

Burg, Richard W.; Dulaney, Eugene L.; Hensens, Otto D.; Liesch, Jerrold M.; Ondeyka, John G.; and Wichmann, Carol F., 4,871,727, Cl. 514-179.000.

Lam, Yiu-kuen T.; Chang, Raymond S.; Hensens, Otto D.; Schwartz, Cheryl D.; and Zink, Deborah L., 4,859,690, Cl. 514-375.000.

Schwartz, Robert E.; Onishi, Janet C.; Monaghan, Richard L.; Liesch, Jerrold M.; and Hensens, Otto D., 4,847,284, Cl. 514-424.000.

Wilson, Kenneth E.; Flor, James E.; Hensens, Otto D.; Liesch, Jerrold M.; and Reamer, Robert A., 4,816,448, Cl. 514-99.000.

Hensgen, Gerhard; and Schlisio, Siegfried, to Korber AG. Apparatus for transporting groups of rod-shaped articles of the tobacco processing industry. 4,804,079, 2-14-89, Cl. 198-450.000.

Hensgen, Gerhard; Heitmann, Uwe; Brand, Peter; and Pinck, Peter, to Korber AG. Method of and apparatus for making a rod of fibrous material. 4,860,772, 8-29-89, Cl. 131-84.100.

Hensgen, Gerhard; Steiniger, Wolfgang; Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, to R. J. Reynolds Tobacco Co. Apparatus for assembling elements of a smoking article. 4,870,748, 10-3-89, Cl. 29-773.000.

Henshaw, Jerry D.: *See—*

Read, Randol R.; Warmack, Ralph E.; Farmer, James M.; Henshaw, Jerry D.; and Marshall, Connie T., 4,885,724, Cl. 367-77.000.

Henshaw, Terrance L. Stuffing box sealing device. 4,809,993, 3-7-89, Cl. 277-110.000.

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Henshaw, Wallace H., Jr., to General Electric Company. Electrical connector with double torsion contacts. 4,863,394, 9-5-89, Cl. 439-239.000.

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Henslee, Walter W.; and Witkowski, Thomas S., to Dow Chemical Company, The. Chemical preparation of zirconium-aluminum-magnesium oxide composites. 4,880,757, 11-14-89, Cl. 501-104.000.

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Smyth, Ronald R.; and Henslee, Walter W., 4,843,045, Cl. 501-120.000.

Hensler, Adolf, to Koflach Sport Gesellschaft mbH & Co. KG. Skiing boot. 4,864,745, 9-12-89, Cl. 36-120.000.

Hensler, J. Raymond, to Bausch & Lomb Incorporated. Dual purpose sunglass lens having gold appearance and method of manufacture. 4,802,755, 2-7-89, Cl. 351-163.000.

Hensler, Paul L., to FMC Corporation. Process for manufacturing tetrasodium pyrophosphate. 4,873,068, 10-10-89, Cl. 423-315.000.

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Hensley, Clifford J. Filter media for filter systems. 4,826,609, 5-2-89, Cl. 210-792.000.

Hensley, David E.; and Kielman, Bradley. Extension deceleration orthosis. 4,865,024, 9-12-89, Cl. 128-80.00C.

Hensley, Donald E.; Rankin, E. Edward; Tomek, Martin L.; and Moody, David M., to Halliburton Company. Drill pipe conveyed logging system. 4,799,546, 1-24-89, Cl. 166-250.000.

Hensley, Donald E.: *See—*

Rankin, E. Edward; Hensley, Donald E.; and Tomek, Martin L., 4,844,161, Cl. 166-250.000.

Hensley, James C. Trailer hitch. 4,811,967, 3-14-89, Cl. 280-479.300.

Hensley, Jerry C. Environmentally safe locking cap for monitoring well. 4,881,597, 11-21-89, Cl. 166-92.000.

Hensley, John J.; Waldhelm, Christian M.; Tohill, Henry J.; and Kubarych, Kenneth G., to Solar Turbines Incorporated. High temperature metallic gasket. 4,878,678, 11-7-89, Cl. 277-235.00A.

Hensley, John J.: *See—*

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Hensley, Norman G., to Teepak, Inc. Shirred tubular material. 4,802,511, 2-7-89, Cl. 138-118.100.

Hensley, Thomas E.; and Slack, Gary L., to Siemens-Bendix Automotive Electronics L.P. Means for separably attaching solenoid to valve. 4,884,782, 12-5-89, Cl. 251-129.150.

Henson, Eric: *See—*

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Henson, Jerry H. Cycling pedal stroke monitoring system. 4,856,996, 8-15-89, Cl. 434-61.000.

Henson, Randy J. Combine blade sharpening apparatus. 4,821,458, 4-18-89, Cl. 51-98.0BS.

Henson, Robert M. Foldable sawhorse. 4,836,332, 6-6-89, Cl. 182-155.000.

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Barton, Carlos L.; Lindsay, Adrienne; and Henson, Samuel W., 4,812,213, Cl. 204-15.000.

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Lewis, Jeffrey M. O.; and Henstock, William H., 4,861,938, Cl. 585-640.000.

Henton, David E., to Dow Chemical Company, The. Low gloss weather and impact resistant resins. 4,801,646, 1-31-89, Cl. 525-71.000.

Henton, David E., to Dow Chemical Company, The. Process for coagulating a grafted rubber compound. 4,831,116, 5-16-89, Cl. 528-492.000.

Henton, David E., to Dow Chemical Company, The. Crosslinked and grafted overpolymer acrylate rubbers. 4,879,348, 11-7-89, Cl. 525-305.000.

Henton, David E.: *See—*

Bubeck, Robert A.; Clipper, Robert B.; and Henton, David E., 4,874,815, Cl. 525-71.000.

Chen, Bibiana S. Y.; and Henton, David E., 4,886,856, Cl. 525-73.000.

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Hentschel, Christian; and Schmid, Wolfgang, to Hewlett-Packard Company. Protective circuit for a semiconductor laser. 4,872,080, 10-3-89, Cl. 361-57.000.

Hentschel, Dietmar: *See—*

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Hentschel, Erwin F.; Fahrenbruch, John G.; and Kennedy, David M., to Eaton Corporation. Recess gauge for a hydraulic lash adjuster. 4,843,723, 7-4-89, Cl. 33-178.00R.

Hentschel, Volker; Versteegen, Clemens; Mahmens, Olaf; and Babendererde, Siegmund, to Hochtief Aktiengesellschaft Vorm. Gebr. Helfmann. Process and apparatus for lining a tunnel with concrete. 4,854,776, 8-8-89, Cl. 405-147.000.

Hentschel, Volker; Versteegen, Clemens; Gloyer, Jens; and Babendererde, Siegmund, to Hochtief Aktiengesellschaft Vorm. Gebr. Helfmann. Form for concrete-placement tunnel lining. 4,856,936, 8-15-89, Cl. 405-145.000.

Hentz, Thomas E.: *See—*
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Henville, Michael I., to Unimax Switch Limited. Solenoid-operated valves. 4,835,426, 5-30-89, Cl. 310-23.000.
Henze, Christopher P.; Mohan, Ned; and Hayes, John G., to Unisys Corporation. Constant frequency resonant power converter with zero voltage switching. 4,855,888, 8-8-89, Cl. 363-17.000.
Henze, Christopher P.; and Smith, James A., to Unisys Corporation. Transformer isolated AC to DC power conditioner with resistive input current. 4,885,675, 12-5-89, Cl. 363-26.000.
Henze, Richard H.; McConica, Charles H.; Clifford, George; and Spenner, Bruce F., to Hewlett-Packard Company. Disc drive compatible cartridge tape. 4,796,136, 1-3-89, Cl. 360-132.000.
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Henzel, Richard P.; and Vanier, Noel R., to Eastman Kodak Company. Solid particle lubricants for slipping layer of dye-donor element used in thermal dye transfer. 4,829,050, 5-9-89, Cl. 503-227.000.
Henzel, Richard P.; Vanier, Noel R.; and Bodem, George B., to Eastman Kodak Company. Particulate polypropylene waxes for dye-donor element used in thermal dye transfer. 4,853,367, 8-1-89, Cl. 503-227.000.
Henzel, Richard P.; and Vanier, Noel R., to Eastman Kodak Company. Slipping layer containing functionalized siloxane and wax for dye-donor element used in thermal dye transfer. 4,866,026, 9-12-89, Cl. 503-227.000.
Henzel, Richard P., to Eastman Kodak Company. Thermally-transferable polycyclic-aromatic fluorescent materials. 4,866,027, 9-12-89, Cl. 503-227.000.
Henzel, Richard P., to Eastman Kodak Company. Thermally-transferable fluorescent oxazoles. 4,876,234, 10-24-89. Cl. 503-227.000.
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Henzi, Beat, to Sandoz Ltd. Monoazo dyes having a substituted 1,4-phenylene coupling component radical having one C_{8-14} alkyl group or moiety. 4,874,392, 10-17-89, Cl. 8-662.000.
Henzi, Beat, to Sandoz Ltd. 4-substituted benzothiazol-2-ylazo-N-c8-14-alkykl-N-(2'-cyanoethyl)anilines optionally having a 3-C1-4-alkyl group. 4,889,535, 12-26-89, Cl. 8-639.000.
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Betterton, Joseph T.; Glover, Alfred H.; and Hepler, Bruce, 4,846,762, Cl. 464-87.000.
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Hepp, Vincent R., and Duffy, John A., to Amoco Corporation. Method of computing formation dip and azimuth. 4,852,005, 7-25-89, Cl. 364-422.000.
Hepp, Vincent R., to Amoco Corporation. Interpretation of conical structures from dipmeter surveys. 4,873,636, 10-10-89, Cl. 364-422.000.
Heppenstiel, Gerhard; and Lentz, Klaus, to Neue Rotaprint GmbH. Mixer-feeder vessel for percentagewise mixture of two or more liquids. 4,815,861, 3-28-89, Cl. 366-130.000.
Heppinstall, Roy; Eaton, Paul; Tupper, George I. F.; and Tunstall, Edmund K., to English Electric Valve Company Limited; and British Broadcasting Corporation. Amplifying arrangements. 4,820,996, 4-11-89, Cl. 330-45.000.
Heppke, Gerd; and Oestreicher, Feodor, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Color-selective circular polarizer and its use. 4,818,076, 4-4-89, Cl. 350-346.000.
Heppke, Gerd; Lotzsch, Detlef; Oestreicher, Feodor; and Scherowsky, Gunter, to Hoechst Aktiengesellschaft. Chiral phenolic esters of mesogenic carboxylic acids and their use as admixture in liquid crystal phases. 4,826,620, 5-2-89, Cl. 252-299.610.
Heppke, Gerd; Bahr, Christian; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, to Hoechst Aktiengesellschaft. Chiral esters formed from α-substituted carboxylic acids and mesogenic hydroxyl compounds, and their use as dopants in liquid-crystalline phases. 4,855,429, 8-8-89, Cl. 544-335.000.
Heppke, Gerd; Scherowsky, Gunter; Bahr, Christian; and Lehmann, Lutz, to Hoechst Aktiengesellschaft. Chiral esters of α-substituted phenylalkanoic acids and mesogenic hydroxy compounds, and their use as a doping substance in liquid crystal phases. 4,874,545, 10-17-89, Cl. 252-299.610.

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Holroyd, Nigel J. H.; Hepples, Warren; and Scamans, Geoffrey M., 4,880,709, Cl. 428-654.000.
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Herabakka, Jacob. Arrangement in a hoisting device, especially for a derrick. 4,830,336, 5-16-89, Cl. 254-95.000.
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Heraeus Elektroden GmbH: *See—*
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Heraty, Patrick T. Brushless vehicle washing apparatus. 4,809,72 3-7-89, Cl. 134-45.000.
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Herb, Armin, to Hilti Aktiengesellschaft. Expansion dowel with two different expansion members. 4,806,053, 2-21-89, Cl. 411-32.000.
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Herber, Raymond R.; and Thompson, Gregory J., to UOP Inc. Dehydrogenation of dehydrogenatable hydrocarbons. 4,827,066, 5-2-89, Cl. 585-319.000.
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Herbin, Patrick; and Lacroix, Jean-Claude, to Essilor International (Compagnie Generale d'Optique). Tool whose shape adapts automatically to the surface of an ophthalmic lens. 4,831,789, 5-23-89, Cl. 51-363.000.
Herbin, Patrick; and Lacroix, Jean-Claude, to Essilor International (Compagnie Generale d'Optique). Mold for fixing a metal block on one of the faces of an ophthalmic lens. 4,844,143, 7-4-89, Cl. 164-332.000.
Herbin, Patrick; and Lacroix, Jean-Claude, to Essilor International (Compagnie Generale d'Optique). Method and apparatus for fixing a metal block on a face of an ophthalmic lens, by casting molten metal thereon. 4,852,631, 8-1-89, Cl. 164-98.000.
Herbison, B. J.; Lyman, Carter; Karger, Paul; Mann, Bruce; Lipner, Steve; and Miller, Arnold, to Digital Equipment Corporation. Apparatus and method for secure transmission of data over an unsecure transmission channel. 4,881,263, 11-14-89, Cl. 380-21.000.
Herbots, Nicole; and Hellman, Olof C., to Massachusetts Institute of Technology. Combined ion and molecular beam apparatus and method for depositing materials. 4,800,100, 1-24-89, Cl. 427-38.000.
Herbrechtsmeier, Peter; Fleissner, Manfred; Groh, Werner; Heumuller, Rudolf; and Wieners, Gerhard, to Hoechst Aktiengesellschaft. Optical waveguide with an essentially fluorine-free polymer core and a fluorine-containing polymer jacket. 4,863,236, 9-5-89, Cl. 350-96.340.
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Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Oil Corporation. Fluid catalytic cracking process and apparatus for more effective regeneration of zeolite catalyst. 4,814,068, 3-21-89, Cl. 208-155.000.
Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Coil Corporation. Single riser fluidized catalytic cracking process utilizing a C_{3-4} paraffin-rich co-feed and mixed catalyst system. 4,826,586, 5-2-89, Cl. 208-70.000.
Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Oil Corporation. Upgrading naphtha in a multiple riser fluid catalytic cracking operation employing a catalyst mixture. 4,830,728, 5-16-89, Cl. 208-78.000.

Herbst, Joseph A.; and Huang, Yun-Yang, to Mobil Oil Corporation. Zeolite beta containing hydrocarbon conversion catalyst of stability. 4,837,396, 6-6-89, Cl. 502-67.000.
Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Oil Corporation. Multiple riser fluidized catalytic cracking process utilizing hydrogen and carbon-hydrogen contributing fragments. 4,853,105, 8-1-89, Cl. 208-74.000.
Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Oil Corporation. Apparatus to reduce NO_x emissions from a fluid catalytic cracking unit. 4,853,187, 8-1-89, Cl. 422-144.000.
Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Oil Corporation. Mixed catalyst system and catalytic conversion process employing same. 4,861,741, 8-29-89, Cl. 502-67.000.
Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Oil Corporation. Fluidized catalytic cracking process utilizing a C3–C4 paraffin-rich Co-feed and mixed catalyst system with selective reactivation of the medium pore silicate zeolite component thereof. 4,863,585, 9-5-89, Cl. 208-74.000.
Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., to Mobil Oil Corporation. Maximizing distillate production in a fluid catalytic cracking operation employing a mixed catalyst system. 4,865,718, 9-12-89, Cl. 208-70.000.
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Lukacs, Alexander, III, 4,806,607, Cl. 526-259.000.
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Herding, Walter; and Rausch, Walter, to Herding GmbH Entstaubungsanlagen. Carrier material for immobilization of microorganisms. 4,876,288, 10-24-89, Cl. 521-53.000.
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Herdzina, Frank J.; and Goodrich, Rollie M., to Service Tool Die & Mfg. Co. Dual lane conversion system. 4,854,799, 8-8-89, Cl. 413-66.000.
Herdzina, Frank J., to Service Tool Die & Mfg. Company. Conveyor for conversion systems. 4,860,569, 8-29-89, Cl. 72-361.000.
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Hergenrother, Paul M.; and Havens, Stephen J., to United States of America, America. Polyimides containing carbonyl and ether connecting groups. 4,820,791, 4-11-89, Cl. 528-125.000.
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Hergenrother, Paul M.; Connell, John W.; and Havens, Stephen J., to United States of America, National Aeronautics and Space Administration. Acetylene terminated aspartimides and resins therefrom. 4,889,912, 12-26-89, Cl. 528-125.000.
Hergenrother, William L.; and Oziomek, James, to Firestone Tire & Rubber Company, The. Process for the production of linear polyphosphazenes. 4,806,322, 2-21-89, Cl. 423-300.000.
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Herlant, Michel A.; Kirjanov, Alexander S.; and Bannigan, Vincent W., Jr., to Crompton & Knowles Corporation. Food color stain blocking fiber agents. 4,865,885, 9-12-89, Cl. 427-322.000.
Herlant, Michel A.: *See—*
Kirjanov, Alexander S.; and Herlant, Michel A., 4,877,538, Cl. 252-8.700.
Herle, Alexander: *See—*
Meyer-Rudolphi, Karl U.; and Herle, Alexander, 4,820,412, Cl. 210-220.000.
Herleikson, Earl C., to Hewlett-Packard Company. High signal to noise ratio amplitude detector. 4,853,643, 8-1-89, Cl. 329-204.000.
Herleikson, Earl C.: *See—*
Faulkner, Thomas R.; and Herleikson, Earl C., 4,837,498, Cl. 324-57.00N.
Herlein, Richard F.; Davis, Jeffrey A.; and Cotriss, E. James, to Schlumberger Systems & Services, Inc. Method and apparatus for dynamically controlling the timing of signals in automatic test systems. 4,820,944, 4-11-89, Cl. 307-603.000.
Herlein, Richard F.; and Davis, Jeffrey A., to Schlumberger Systems & Services, Inc. Delay line control system for automatic test equipment. 4,837,521, 6-6-89, Cl. 328-72.000.
Herlein, Richard F.: *See—*
West, Burnell G.; and Herlein, Richard F., 4,849,702, Cl. 328-63.000.
Herlemann, Werner: *See—*
Ohrle, Rolf; Herlemann, Werner; and Parisch, Jochen, 4,805,959, Cl. 296-216.000.
Herley, James A.: *See—*
Iaia, Thomas C., Jr.; Herley, James A.; Male, Roger C.; McLaughlin, William J.; McKeown, Douglas A.; Schaffer, Robert W.; Siegel, Robert P.; and Spehrly, Charles W., Jr., 4,831,419, Cl. 355-76.000.
Herliczek, Siegfried H.; and Ginter, David M., to Libbey-Owens Ford Co. Retention shield window assembly and method of making the same. 4,823,511, 4-25-89, Cl. 49-404.000.
Herliczek, Siegfried H.: *See—*
Ash, Charles E.; Herliczek, Siegfried H.; and Jenkins, David R., 4,834,829, Cl. 156-382.000.
Bishop, Roger B.; Ash, Charles E.; and Herliczek, Siegfried H., 4,865,671, Cl. 156-104.000.
Herling, Andreas W.: *See—*
Lang, Hans-Jochen; Rippel, Robert; Herling, Andreas W.; and Weidmann, Klaus, 4,845,118, Cl. 514-338.000.
Lang, Hans-Jochen; Rosner, Manfred; Weidmann, Klaus; Rippel, Robert; and Herling, Andreas W., 4,871,734, Cl. 514-212.000.
Herlitz AG: *See—*
Doll, Helmut, 4,865,479, Cl. 401-17.000.
Herloski, Robert P.; Seachman, Ned J.; and Price, Edgar E., to Xerox Corporation. Double gauss lens for a raster input scanner. 4,863,251, 9-5-89, Cl. 350-471.000.
Herlyn, Meenhard: *See—*
Thurin, Jan; Koprowski, Hilary; Herlyn, Meenhard; and Steplewski, Zenon, 4,849,509, Cl. 530-387.000.
Hermach, Carl J.; and Houy, Duane H., to Publishers Equipment Corporation. Conversion of letterpress to offset printing. 4,798,137, 1-17-89, Cl. 101-211.000.
Hermach, Carl J., to Publishers Equipment Corporation. Conversion of letterpress to offset printing. 4,875,936, 10-24-89, Cl. 101-218.000.
Hermam, Jan S.: *See—*
Mathewes, James K., Jr.; Hermam, Jan S.; Johnson, Stephen C.; Goud, Richard B.; and Stiffler, Jack J., 4,841,434, Cl. 364-200.000.
Herman, Alexander, to Codex Corporation. Networking circuitry. 4,882,728, 11-21-89, Cl. 370-85.000.
Herman Berstorff Maschinenbau GmbH: *See—*
Koch, Klaus; and Klemm, Manfred, 4,839,485, Cl. 219-10.55A.
Herman, Elvin E.; and Likes, Bart E., to Hughes Aircraft Company. Comb filter pressure/temperature sensing system. 4,859,844, 8-22-89, Cl. 250-231.00P.
Herman, Gerald J., to Williams International Corporation. Cable starter for air launch missile. 4,858,429, 8-22-89, Cl. 60-39.141.
Herman, Harold: *See—*
Carlson, Larry W.; and Herman, Harold, 4,838,035, Cl. 62-55.500.
Herman, Jean-Jacques; and Lecloux, Andre, to Solvay & Cie (Societe Anonyme). Catalytic synthesis of urea from carbon monoxide and amine compound. 4,801,744, 1-31-89, Cl. 564-65.000.
Herman, John E.: *See—*
Baile, Gnaneshwar R.; Herman, John E.; and Wyshak, Geoffrey M., 4,855,469, Cl. 556-409.000.
Herman, Martin A. Flotation assembly. 4,889,511, 12-26-89, Cl. 441-88.000.
Herman Miller, Inc.: *See—*
Bailey, Charles E.; and Miles, George A., 4,795,212, Cl. 297-362.000.
Beard, Michael D., 4,802,422, Cl. 108-64.000.
Goodman, Steve F., 4,799,436, Cl. 109-50.000.
Goodman, Steve F., 4,854,140, Cl. 70-100.000.
Kelley, James O.; Stumpf, William E.; and Friedman, Frank A., 4,876,835, Cl. 52-239.000.
Newhouse, Thomas J.; Allen, Lynne M.; and Goeman, Donald D., 4,861,122, Cl. 312-317.100.
Newhouse, Thomas J.; Goeman, Donald D.; and McClung, Duane G., 4,884,513, Cl. 108-50.000.
Ryburg, Jon B.; and Goldberg, Neil, 4,852,500, Cl. 108-105.000.
Schuelke, David J.; Barnard, Randy H., III; and Kleinke, Kenneth E., 4,832,152, Cl. 181-290.000.
Herman, Richard G.: *See—*
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Herman, Rod A.: *See—*
Kameswaran, Vekataraman; Wright, Donald P., Jr.; and Herman, Rod A., 4,857,550, Cl. 514-522.000.
Herman, Stephen J.; Roth, Laurence A.; Sinofsky, Edward L.; and Dickinson, Douglas W., Jr., to C. R. Bard, Inc. Wire guided laser catheter. 4,850,351, 7-25-89, Cl. 128-303.100.
Herman, Stephen J.: *See—*
Roth, Laurence A.; Herman, Stephen J.; Turnquist, Carl R.; Sinofsky, Edward L.; and Wong, Jacob Y., 4,817,601, Cl. 128-303.100.
Hermann, Allen M.; and Sheng, Zhengzhi, to University of Arkansas. Melt-produced high temperature rare earth barium copper oxide superconductor and processes for making same. 4,857,504, 8-15-89, Cl. 505-1.000.
Hermann, Bernhard; Muerdter, Herbert; Ehresmann, Walter; and Kammerer, Manfred, to August Sauter GmbH. Visual display apparatus for information items. 4,841,280, 6-20-89, Cl. 340-706.000.
Hermann Berstorff Maschinenbau GmbH: *See—*
Bellmer, Klaus; and Capelle, Gerd, 4,799,874, Cl. 425-131.100.
Bellmer, Klaus, 4,832,590, Cl. 425-185.000.
Mueller, Werner, 4,889,430, Cl. 366-85.000.
Stockmeyer, Hans, 4,832,896, Cl. 264-555.000.
Voss, Hermann; and Mank, Manfred, 4,822,275, Cl. 425-539.000.
Voss, Hermann; and Mank, Manfred, 4,834,642, Cl. 425-529.000.
Voss, Hermann; and Mank, Manfred, 4,856,978, Cl. 425-526.000.
Hermann, Dietmar; and Bethge, Michael, to Continental Aktiengesellschaft. Elastomeric profiled sealing member. 4,870,783, 10-3-89, Cl. 49-477.000.
Hermann, Dietrich E.; and Holzhauer, Ralf, to Otis Elevator Company. Escalator handrail drive. 4,875,568, 10-24-89, Cl. 198-335.000.
Hermann, Ferdinand, to AG fur industrielle Elektronik AGIE. Unit and method utilizing a data medium for determining the relative position between two parts. 4,810,892, 3-7-89, Cl. 250-566.000.
Hermann Finckh Maschinenfabrik GmbH & Co.: *See—*
Holz, Emil, 4,842,722, Cl. 209-270.000.
Hermann, George D.: *See—*
Giesy, Jerry D.; Hermann, George D.; and Hoskins, Matthew W., 4,798,193, Cl. 128-7.000.
Giesy, Jerry D.; Hoskins, Matthew W.; and Hermann, George D., 4,824,435, Cl. 604-49.000.
Hermann Henscheidt Maschinenfabrik GmbH & Co.: *See—*
Krieger, Karl, deceased; Reinelt, Werner; and Kobow, Wolfgang, 4,852,852, Cl. 251-78.000.
Hermann, Horst; Binoder, Wilhelm; Rech, Armin; Rech, Gerd; and Reinhardt, Gunter, to Horst Hermann Company. Method and apparatus for analyzing the performance of the electronic ignition of an internal combustion engine. 4,812,979, 3-14-89, Cl. 364-431.010.
Hermann, Hubert: *See—*
Weinmann, Alfred; Steinegger, Josef; Scheucher, Peter; Konstantiniuk, Roland; Leutzendorff, Wolfgang; and Hermann, Hubert, 4,849,116, Cl. 210-770.000.
Hermann, Lawrence W.; and Offield, Donald G., to Hermann, Lawrence W. System and method for controlling a plurality of electronic entertainment devices. 4,885,803, 12-5-89, Cl. 455-603.000.
Hermann, Manfred: *See—*
Satzinger, Gerhard; Hermann, Manfred; Fritschi, Edgar; and Weiershausen, Ute, 4,857,662, Cl. 564-168.000.
Hermann, Paul F., to Twin Rivers Engineering. Foam substrate and micropackaged active ingredient particle composite dispensing materials. 4,828,542, 5-9-89, Cl. 604-3.000.
Hermann Pfauter GmbH: *See—*
Faulstich, Ingo, 4,865,497, Cl. 409-12.000.
Hermann Schulte GmbH & Co. KG: *See—*
Schulte, Hermann, 4,819,290, Cl. 15-83.000.
Hermann, Thomas; Herd, Josef; and Pfuhl, Reiner, to Maschinenfabrik Goebel GmbH. Zigzag folding apparatus having web cutter means. 4,871,157, 10-3-89, Cl. 270-39.000.
Hermann Waldner GmbH & Co.: *See—*
Wulf, Gunter; and Geisenhof, Heinz, 4,837,945, Cl. 34-77.000.
Hermann Wangner GmbH & Co. KG: *See—*
Borel, Georg, 4,815,503, Cl. 139-383.00A.
Hacker, Hans-Eugen; and Defranceski, Peter, 4,866,821, Cl. 28-141.000.
Hacker, Haus-Eugen, 4,862,566, Cl. 28-141.000.
Hermann, William J., Jr.; and Zanek, John R., to North American Biotechnology, Inc. Toxicology specimen collection system. 4,852,560, 8-1-89, Cl. 128-762.000.
Hermann, Wolfgang: *See—*
Lambertz, Johannes; Adlhoch, Wolfgang H.; Mittelstadt, Alfred G.; and Hermann, Wolfgang, 4,852,994, Cl. 48-197.00R.
Hermanns, Ferdinand-Josef; and Haasen, Rolf, to W. Schlafhorst & Co. Method and apparatus for monitoring and controlling winding operation of a winding station in a textile winding machine. 4,805,844, 2-21-89, Cl. 242-18.0DD.

Hermanns, Ferdinand-Josef: *See—*

Ruge, Joachim; Neuhaus, Ludwig; Kathke, Gregor; Hermanns, Ferdinand-Josef; and Gebald, Gregor, 4,828,191, Cl. 242-18.00R.

Hermanns, Heinz: *See—*

Gierse, Franz J.; Pabst, Manfred; Hermanns, Heinz; Ippers, Karl; Krenn, Stephan; Huppe, Friedrich; Opgenoorth, Carl H.; and Wolters, Conrad, 4,858,843, Cl. 242-65.000.

Hermans, Albert L. Low power, leakage current switching circuit. 4,874,962, 10-17-89, Cl. 307-116.000.

Hermans, Willem F., to Stork Amsterdam B.V. Method and apparatus for maintaining a mixture of products at a certain temperature. 4,802,825, 2-7-89, Cl. 416-231.00B.

Hermansen, Ralph D.: *See—*

Vachon, David J.; Hermansen, Ralph D.; and Lau, Steven E., 4,866,108, Cl. 523-428.000.

Hermanson, Carl G. Device for application of dynamic force and simulation of movements. 4,848,741, 7-18-89, Cl. 272-135.000.

Hermanson, Herman A.: *See—*

Deshpande, Narayan V.; Ims, Dale R.; Hermanson, Herman A.; Kneezel, Gary A.; and Markham, Roger G., 4,831,390, Cl. 346-140.00R.

Hermanson, Terry, to Mr. Christmas Incorporated. Sheathed string of Christmas tree lights. 4,885,664, 12-5-89, Cl. 362-123.000.

Hermansson, Jonas, to Molnlycke AB. Absorbent article such as a diaper or incontinence protector. 4,828,555, 5-9-89, Cl. 606-379.000.

Hermansson, Klas G. I., to Dinol International Aktiebolag. Pivotable nozzle. 4,842,200, 6-27-89, Cl. 239-263.000.

Hermant, Marc: *See—*

Basset, Dominique; Fayard, Jean-Claude; Hermant, Marc; Durual, Pierre; and Germanaud, Laurent, 4,832,859, Cl. 252-51.000.

Durual, Pierre; Hermant, Marc; and Laviron, Charles, 4,853,141, Cl. 252-51.000.

Germanaud, Laurent; and Hermant, Marc, 4,859,357, Cl. 252-51.000.

Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased (by Meszaros, Marta, Marta Meszaros nee Boloni, heiresses); Ritli, Peter; Sipos, Judit; and Pajor, Aniko, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Norfloxacin intermediate. 4,803,274, 2-7-89, Cl. 546-13.000.

Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased (by Boloni, Marta Meszaros nee, heiresses); Ritli, Peter; Sipos, Judit; and Pajor, Aniko, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Boric anhydrides of 6-fluoro-7-chloro-1-methylamino-4-oxo-1,4-dihydro-quinoline-3-carboxylic acid. 4,806,645, 2-21-89, Cl. 546-13.000.

Hermecz, Istvan; Kereszturi, Geza; Vasvavi, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Szuts, Tamas; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. 1-Methylamino-quinoline-carboxylic acid derivatives. 4,871,849, 10-3-89, Cl. 544-229.000.

Hermecz, Istvan: *See—*

Szentmiklosi, Peter; Hermecz, Istvan; Meszaros, Zoltan; Tardos, Laszlo; Marton, Jeno; Vasvari nee Debreczy, Lelle; Horvath, Agnes; and Marmarosi (nee Kellner), Katalin, 4,814,336, Cl. 514-263.000.

Hermelin, Marc S.; Kirschner, Mitchell I.; and Paradissis, George N., to KV Pharmaceutical Company. Tamper evident pharmaceutical capsule. 4,844,906, 7-4-89, Cl. 424-454.000.

Hermelin, Rene, to Services Equipments France (S.E.F.). Modulable oblique bin. 4,796,761, 1-10-89, Cl. 211-11.000.

Hermes: *See—*

Dumas, Jean-Louis F., 4,813,253, Cl. 70-69.000.

Hermes, Matthew E.: *See—*

Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., 4,839,130, Cl. 264-235.000.

Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., 4,844,854, Cl. 264-235.000.

Hermes Precisa Internatinal S.A.: *See—*

Rossopoulos, Stephane, 4,854,752, Cl. 400-124.000.

Hermetic Switch, Inc.: *See—*

Posey, William T., 4,855,719, Cl. 340-568.000.

Hermetter, Albin: *See—*

Paltauf, Friedrich; Hermetter, Albin; and Franzmair, Rudolf, 4,814,112, Cl. 260-403.000.

Hermia, Jacques: *See—*

Eyben, Donald; Meurens, Jacques; Hermia, Jacques; and Rahier, Georges, 4,816,147, Cl. 210-225.000.

Hermida, Carlos A.: *See—*

Favetto, Guillermo J.; Chiriffe, Jorge; Scorza, Osvaldo C.; and Hermida, Carlos A., 4,834,017, Cl. 116-207.000.

Hermonat, Mark W.: *See—*

Brandes, Lorne J.; and Hermonat, Mark W., 4,803,227, Cl. 514-651.000.

Herms, James K.; Nolan, Gaillard R.; McGrath, Jonathan; and Tolkoff, Mark J, to Medi-Tech, Inc. Implantable filter. 4,817,600, 4-4-89, Cl. 128-303.00R.

Hern, Gregory L.: *See—*

Walk, Howard J.; and Hern, Gregory L., 4,832,135, Cl. 175-53.000.

Hernandez, Augusto: *See—*

Humen, Michael W.; and Hernandez, Augusto, 4,837,543, Cl. 336-92.000.

Hernandez, Benito B. Basket sink strainer centering tool. 4,835,798, 6-6-89, Cl. 4-661.000.

Hernandez, David R.: *See—*

Carter, John E.; and Hernandez, David R., 4,841,587, Cl. 5-419.000.

Hernandez, Debra Y.: *See—*

Dotson, Ronald L.; and Hernandez, Debra Y., 4,849,073, Cl. 204-101.000.

Hernandez-Diaz, Jorge H. Method and apparatus for limiting adverse yaw-induced roll during engine failure in multiengine aircraft. 4,884,205, 11-28-89, Cl. 364-431.010.

Hernandez, Henry R.: *See—*

Maliczyszyn, Walter; and Hernandez, Henry R., 4,872,951, Cl. 162-135.000.

Solarek, Daniel B.; Dirscherl, Teresa A.; Hernandez, Henry R.; and Jarowenko, Wadym, 4,876,336, Cl. 536-109.000.

Hernandez, Irene H.: *See—*

Barker, Barbara A.; Hernandez, Irene H.; and Machart, Beverly H., 4,815,029, Cl. 364-900.000.

Hernandez, Jorge M., to Rogers Corporation. Low inductance decoupling capacitor. 4,853,826, 8-1-89, Cl. 361-306.000.

Hernandez, Jorge M., to Rogers Corporation. High dielectric multilayer capacitor. 4,853,827, 8-1-89, Cl. 361-321.000.

Hernandez, Jorge M., to Rogers Corporation. Temperature stable multilayer capacitor. 4,873,612, 10-10-89, Cl. 361-321.000.

Hernandez, Kenneth J., to Manville Corporation. Basket-type carrier for elongated articles. 4,798,285, 1-17-89, Cl. 206-180.000.

Hernandez, Manuel. Blood sampling device with shield. 4,840,185, 6-20-89, Cl. 128-763.000.

Hernandez, Michel; Herve, Patrice; and Gougouyan, Yves, to C.I.C.E. S.A. of Les Miroirs. Disk comprising at least one opening and tap comprising said disk. 4,887,793, 12-19-89, Cl. 251-208.000.

Hernandez, Pamela K.: *See—*

Policastro, Peter P.; Hernandez, Pamela K.; and Davis, Mark W., 4,820,781, Cl. 525-431.000.

Policastro, Peter P.; Hernandez, Pamela K.; and Rich, Jonathan D., 4,826,916, Cl. 524-755.000.

Rich, Jonathan D.; Policastro, Peter P.; and Hernandez, Pamela K., 4,795,680, Cl. 428-450.000.

Hernandez, Raymond: *See—*

Heath, Allen W.; Hernandez, Raymond; Hoffman, Virginia M.; Sheppard, Ronald K.; and Stratton, Susan D., 4,858,114, Cl. 364-200.000.

Hernandez-Ruiz, Jose E.: *See—*

Lazcano-Navarro, Arturo; Alcantara, Miguel A.; and Hernandez-Ruiz, Jose E., 4,799,651, Cl. 166-268.000.

Hernandez, Samson V. Dental hygiene teaching tool and storage device. 4,812,127, 3-14-89, Cl. 434-264.000.

Hernden, Michael R., to Sundstrand Corporation. Fastener sealing system for fasteners exposed to high ambient temperatures. 4,806,810, 2-21-89, Cl. 310-89.000.

Herndon, George W. Swivel wheel wheelbarrow. 4,854,601, 8-8-89, Cl. 280-47.310.

Herndon, Gerald F., to Boeing Company, The. Ejection seat having receding headrest for spinal alignment during ejection. 4,883,243, 11-28-89, Cl. 244-122.00R.

Herndon, Gerald F.: *See—*

McGrady, Michael B.; Huber, James M.; Herndon, Gerald F.; Sielaff, Stephen F.; and Shearer, Jerry T., 4,826,247, Cl. 297-314.000.

Herndon, Terry O.; and Chapman, Glenn H., to Massachusetts Institute of Technology. Fabrication of interlayer conductive paths in integrated circuits. 4,843,034, 6-27-89, Cl. 437-189.000.

Herndon, William H., to Fairchild Semiconductor Corporation. BIP-MOS decoder circuit. 4,857,772, 8-15-89, Cl. 307-463.000.

Herndon, William H.; and Proebsting, Robert J., to Fairchild Semiconductor Corporation. Bimos circuit that provides low power dissipation and high transient drive capability. 4,868,421, 9-19-89, Cl. 307-446.000.

Herner, Ray H., to Mosier Industries, Incorporated. Universal power cylinder. 4,825,746, 5-2-89, Cl. 91-45.000.

Herngren, Torbjorn: *See—*

Andersson, Birgitta S.; Zethraeus, Malin C.; Herngren, Torbjorn; and Gustafsson, Jan-Erik V., 4,889,592, Cl. 162-29.000.

Hernqvist, Karl G., to RCA Licensing Corp. Method for spot-knocking an electron gun mount assembly of a CRT utilizing a magnetic field. 4,883,437, 11-28-89, Cl. 445-5.000.

Hernqvist, Karl G., to RCA Licensing Corp. Method for spot-knocking an electron gun mount assembly of a CRT. 4,883,438, 11-28-89, Cl. 445-5.000.

Herold, Claus-Peter: *See—*

Mueller, Heinz; and Herold, Claus-Peter, 4,802,998, Cl. 252-8.514.

Mueller, Heinz; Herold, Claus-Peter; van Tapavizca, Stephan; Dolhaine, Hans; von Rybinski, Wolfgang; and Wichelhaus, Winfried, 4,888,120, Cl. 252-8.551.

Scoggins, William C.; Herold, Claus-Peter; and Mueller, Heinz, 4,851,142, Cl. 252-8.515.

Herold, Friedrich: *See—*

Keil, Gunter; Jakob, Franz; Warning, Klaus; and Herold, Friedrich, 4,847,354, Cl. 528-340.000.

Herold, Julius: *See—*

Gonzalez, Rene A. A.; Budnowski, Manfred; Herold, Julius; Rutzen, Horst; Schneider, Eberhard; and Seltmann, Hans-Guenter, 4,829,142, Cl. 528-111.000.

Herold, Manfred: *See—*

Abendroth, Paul; Rebel, Herbert; and Herold, Manfred, 4,813,350, Cl. 101-415.100.

Raab, Rudolf; Herold, Manfred; and Hummel, Peter, 4,813,353, Cl. 101-410.000.

Herold, Peter: *See—*

Riediker, Martin; Lang, Robert W.; Duthaler, Rudolf; Herold, Peter; Oertle, Konrad; and Bold, Guido, 4,826,965, Cl. 536-18.100.

Herold, Stanley J.; LaGrange, Donald E.; Limberger, Thomas R.; and Taylor, James F., to United States of America, Navy. Swimmer pyrotechnic signal device. 4,805,533, 2-21-89, Cl. 102-341.000.

Herold, Wolf-Dietrich; Grafwallner, Karl L.; and Keller, Michael, to ESPE Stiftung and Co. Produktions-und Vertriebs KG. Circuit for supplying power to a dental photopolymerizing apparatus. 4,839,566, 6-13-89, Cl. 31-308.000.

Herolf, Olof, to OSA AB. Method for mechanized thinning of a forest, and a harvester and forwarder for carrying out the method. 4,838,328, 6-13-89, Cl. 144-336.000.

Herolf, Olof, to OSA AB. Forest machine with crane. 4,881,865, 11-21-89, Cl. 414-550.000.

Heron, Harold G. Cover clip for photographic slides. 4,836,377, 6-6-89, Cl. 206-456.000.

Heron, Helen L. Cursive letter dough cutter. 4,818,207, 4-4-89, Cl. 425-289.000.

Heron Manufacturing, Inc.: *See—*

Dudeck, David H., 4,827,660, Cl. 43-42.390.

Heron, Roger A.; Hughes, Martin L.; and Hansford, Ian. Liquid flow control assembly. 4,836,498, 6-6-89, Cl. 251-126.000.

Heron, Roger A.; Saunders, David H.; and Fairhurst, Robert M., to British Hydromechanics Research Association, The. Feeding abrasive material. 4,854,090, 8-8-89, Cl. 51-410.000.

Heron, Roger A.; and Saunders, David H., to British Hydromechanics Research Association, The. Abrasive fluid flow. 4,878,785, 11-7-89, Cl. 406-194.000.

Heronemus, Daryl L.: *See—*

Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.

Heroux, Glen A.: *See—*

Shannon, Christopher; and Heroux, Glen A., 4,865,900, Cl. 428-195.000.

Herpichboehm, Bernd G.; Sierra, George H.; Summers, Robert B.; and Watlington, Thomas M., to Boehringer Mannheim Corporation. Color test meter. 4,871,258, 10-3-89, Cl. 356-422.000.

Herpichbohm, Bernd, to Boehringer Mannheim GmbH. System for determining the concentration of components of body fluids. 4,852,025, 7-25-89, Cl. 364-551.010.

Herr, Arthur; Welles, Toby S.; and Johnson, Robert W., to Reynard CVC, Inc. Article for storing optically readable and recordable disc devices. 4,881,640, 11-21-89, Cl. 206-313.000.

Herr, James E.: *See—*

Roy, Gerald L.; and Herr, James E., 4,807,771, Cl. 215-252.000.

Herr, William A. Positive seal package. 4,869,362, 9-26-89, Cl. 206-45.330.

Herrell, Dennis J.; Gupta, Omkarnath R.; and Hilbert, Claude, to Microelectronics and Computer Technology Corporation. Method of making gas heat exchanger. 4,833,766, 5-30-89, Cl. 29-157.30A.

Herrell, Dennis J.; and Gibson, David A., to Microelectronics and Computer Technology Corporation. Method of assembling a fluid-cooled integrated circuit package. 4,860,444, 8-29-89, Cl. 29-840.000.

Herrell, Dennis J.; and Gupta, Omkarnath R., to Microelectronics and Computer Technology Corporation. Printed wire connector. 4,871,316, 10-3-89, Cl. 439-66.000.

Herrell, Dennis J.: *See—*

Nelson, Richard D.; Gupta, Omkarnath R.; and Herrell, Dennis J., 4,882,654, Cl. 361-382.000.

Herremans, Pieter; Hoogendijk, Christiaan J.; Boer, Adriaan H.; and Van Bekkum, Aart J., to Altometer, Produktiebedrijf Van Rheometron A.G. Ultrasonic flow meter. 4,838,127, 6-13-89, Cl. 73-861.280.

Herren, Harold L. Idler pulley surfacing. 4,821,871, 4-18-89, Cl. 198-843.000.

Herren, Harold L. Replaceable device for outer spoke edge of pulley wheel. 4,836,361, 6-6-89, Cl. 198-843.000.

Herrera, Carlos D.: *See—*

Wellinghoff, Stephen T.; Schwab, Stuart T.; and Herrera, Carlos D., 4,849,140, Cl. 254-9.000.

Herrera, Ernest. Wheel lug nut cover. 4,825,669, 5-2-89, Cl. 70-163.000.

Herrera, Juan A.: *See—*

Gonzalez, Rafael C.; and Herrera, Juan A., 4,817,166, Cl. 382-1.000.

Herrera, Mauro. Cart car chair. 4,877,289, 10-31-89, Cl. 297-250.000.

Herrera, Patricio B. Feminine hygiene device. 4,848,572, 7-18-89, Cl. 206-440.000.

Herrera, Randy G.: *See—*

Saulnier, Gary J.; Herrera, Randy G.; and Thiel, Timothy E., 4,878,029, Cl. 329-341.000.

Herrera, Ricardo R. Easily assembleable push-button switch. 4,871,890, 10-3-89, Cl. 200-314.000.

Herrera Sanguinetti, Carlos. Flexible guardrail for a sailing vessel. 4,860,683, 8-29-89, Cl. 114-364.000.

Herrera, Victor: *See—*

Vidican, George; Bogovican, Dragon; Herrera, Victor; and Wiersing, Jeffrey, 4,849,585, Cl. 200-61.540.

Herrero, Luis A.: *See—*

Federico, Joseph W.; and Whittenberger, Daniel J., 4,852,260, Cl. 30-292.000.

Herriau, Jean P.: *See—*

Huignard, Jean P.; and Herriau, Jean P., 4,877,312, Cl. 350-354.000.

Herriau, Jean-Pierre: *See—*

Le Pesant, Jean-Pierre; Hareng, Michel; Huignard, Jean-Pierre; Herriau, Jean-Pierre; Mourey, Bruno; and Perbet, Jean-Noel, 4,818,052, Cl. 350-96.150.

Herrick, Geoffrey C.; and Sang, Emmanuel, to Tektronix, Inc. Constraining mount system for surface acoustic wave devices. 4,845,397, 7-4-89, Cl. 310-348.000.

Herrick, Kennan C. Apparatus and method for forming segmented luminosity in gas discharge tubes. 4,862,042, 8-29-89, Cl. 315-291.000.

Herrick, Paul W.; Thayer, Edward B.; and Stewart, Jim D., to United Technologies Corporation. Yaw and pitch convergent-divergent thrust vectoring nozzle. 4,836,451, 6-6-89, Cl. 239-265.270.

Herrick, Phillip R.; Ewing, Daniel C.; Wright, Floyd H.; and Truelove, Kevin M., to General Electric Company. Method and apparatus for testing dynamoelectric machine rotors. 4,801,877, 1-31-89, Cl. 324-158.0MG.

Herrick, Robert S.; and Webb, Gary E. Liquid-tight sealing device and method. 4,796,899, 1-10-89, Cl. 277-228.000.

Herridge, Frederick J., to Anderson Strathclyde PLC. Cutting tools. 4,880,247, 11-14-89, Cl. 279-79.000.

Herrig, Hanz W.; Horn, David N.; Peters, Daniel V.; Pfeifer, Randy D.; and Wilcox, Wayne R., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Method and apparatus for controlled removal and insertion of circuit modules. 4,835,737, 5-30-89, Cl. 364-900.000.

Herrigel, Howard R.: *See—*

Andrew, John E.; Herrigel, Howard R.; Jones, George R.; Nowak, James C.; Toie, Mark K.; and Whalen, Robert, 4,863,607, Cl. 210-634.000.

Herrin, J. Pearman. Process sequencing for amine regeneration. 4,798,910, 1-17-89, Cl. 564-497.000.

Herrin, Melvin B., to Klearfold, Inc. Method for assembling composite carton blanks. 4,846,775, 7-11-89, Cl. 493-95.000.

Herrin, Melvin B.; and Mazurek, Richard, to Klearfold, Inc. Container. 4,858,756, 8-22-89, Cl. 206-45.340.

Herrin, Robert M. Carton nesting apparatus and method. 4,835,944, 6-6-89, Cl. 53-485.000.

Herring, Billy W.: *See—*

Woodard, Harry L.; Herring, Billy W.; Willis, Curtiss O.; and Cavnar, Jeffery W., 4,864,734, Cl. 33-428.000.

Herring, Clarence R.; and Radcliffe, Curtis E. Relay and booster valves for air brake systems. 4,856,851, 8-15-89, Cl. 303-40.000.

Herring, Donald G., to Cameron Iron Works USA, Inc. Cold forming tool. 4,827,748, 5-9-89, Cl. 72-62.000.

Herring, Joseph C.: *See—*

Anders, Frank W.; Herring, Joseph C.; and White, Douglas A., 4,827,395, Cl. 364-138.000.

Herring, Liles G., to Hercules Incorporated. Elastomeric insulating materials for rocket motors. 4,878,431, 11-7-89, Cl. 102-290.000.

Herring, Robert H.: *See—*

Varghese, Alexander P.; and Herring, Robert H., 4,877,153, Cl. 220-469.000.

Herring, William P., to Friedrich Grohe Armaturenfabrik GmbH & Co. Rinsing and washing fixture. 4,805,245, 2-21-89, Cl. 4-192.000.

Herringer, Karl. Absorbent sack for cleaning up and containing liquid spills. 4,831,010, 5-16-89, Cl. 502-407.000.

Herringshaw, Steven D.; and Szefi, Robert J., to Budd Company, The. Method of mounting an outer skin to an inner panel of a vehicle door. 4,800,638, 1-31-89, Cl. 29-407.000.

Herringshaw, Steven D.; Szefi, Robert J.; Batchelder, Paul J.; and Brentar, Francisco X., to Budd Company, The; and ITT Corporation. Handle housing and door adjustment for modular vehicle door. 4,827,671, 5-9-89, Cl. 49-503.000.

Herringshaw, Steven D.; and Szefi, Robert J., to Budd Company, The. Method of mounting an outer skin to an inner panel of a vehicle door. 4,845,894, 7-11-89, Cl. 49-502.000.

Herrington, Fox J., to Mobil Oil Corporation. Apparatus for forming a hem in a moving web of film. 4,795,412, 1-3-89, Cl. 493-225.000.

Herrington, Fox J., to Mobil Oil Corporation. Screw extruder and a method of operation thereof. 4,795,599, 1-3-89, Cl. 264-68.000.

Herrington, Fox J.; and Tendick, Clyde C., to Mobil Oil Corporation. Oven-heated hot wheel sealing apparatus. 4,808,150, 2-28-89, Cl. 493-394.000.

Herrington, Fox J., to Mobil Oil Corporation. Thermoplastic draw tape bag with tacky tape. 4,813,794, 3-21-89, Cl. 383-75.000.

Herrington, Fox J., to Mobil Oil Corporation. Thermoplastic draw tape bag held closed by microencapsulated adhesive. 4,832,507, 5-23-89, Cl. 383-74.000.

Herrington, Fox J.; and St. Phillips, Eric A., to Mobil Oil Corporation. Method for providing a signal to prepare waste materials for collection and waste containers incorporating an alarm device. 4,860,267, 8-22-89, Cl. 368-10.000.

Herrington, Fox J., to Mobil Oil Corporation. Three-layer cross-laminated film with foam core made by counter-rotating dies. 4,885,196, 12-5-89, Cl. 428-36.500.

Herrington, Fox J.: *See—*

Broderick, Kevin; Catchman, Vernon C.; Herrington, Fox J.; Johnston, Shirley K.; Olson, Robert H.; and Stell, Donald, 4,850,946, Cl. 493-194.000.

Bullard, Edward M.; and Herrington, Fox J., 4,842,421, Cl. 383-61.000.

DiBiasi, Daniel J.; and Herrington, Fox J., 4,842,420, Cl. 383-6.000.

Herrington, Linda: *See—*

Kelly, Carol; and Herrington, Linda, 4,884,512, Cl. 108-26.000.

- Herrington, Richard A., to Hewlett-Packard Company. Line mover for bit-mapped display. 4,816,817, 3-28-89, Cl. 340-801.000.
- Herrington, Richard A.; Flaugher, Jeffrey R.; Borer, John W.; Woodward, Alan C.; and Greenhalgh, Geoffrey, to Libbey-Owens-Ford Co.; and Pilkington plc. Apparatus and method for tempering glass sheets. 4,888,038, 12-19-89, Cl. 65-114.000.
- Herrington, Richard A.: *See—*
  - Callies, Gerald A.; Albach, Eberhard R.; Conour, John F.; and Herrington, Richard A., 4,835,040, Cl. 428-215.000.
- Herrington, Ronald M.: *See—*
  - Nichols, Jerram B.; Herrington, Ronald M.; Hunter, Douglas L.; Serratelli, John F.; and Carey, David G., 4,863,976, Cl. 521-137.000.
  - Priester, Ralph D., Jr.; Peffley, Richard D.; and Herrington, Ronald M., 4,845,133, Cl. 521-167.000.
- Herrington, Thomas, to Johnson Matthey, Inc. Silver-glass paste. 4,881,974, 11-21-89, Cl. 106-1.140.
- Herriot, Glen A., to Vickers Instruments (Canada) Inc. Apparatus for automatically controlling the magnification factor of a scanning electron microscope. 4,818,873, 4-4-89, Cl. 250-310.000.
- Herriott, Victor L.; and Jefferies, Roy S., to Lowe & Fletcher Limited. Information carrier and reader. 4,810,861, 3-7-89, Cl. 235-382.000.
- Herrlein, Wilhelm: *See—*
  - Jaeger, Siegfried; and Herrlein, Wilhelm, 4,878,392, Cl. 74-333.000.
- Herrli, Peter, to Contempo Products, P. Herrli. Two-piece coupling device for fluid exchange. 4,889,527, 12-26-89, Cl. 604-29.000.
- Herrlich, Hermann H. Lighting fish lure. 4,879,831, 11-14-89, Cl. 43-17.600.
- Herrmann, Alan J., to General Motors Corporation. Fuse package. 4,806,118, 2-21-89, Cl. 439-352.000.
- Herrmann, Christoph: *See—*
  - Hellermann, Walter; Herrmann, Christoph; Fuchs, Hans-Bernd; Nordsiek, Karl-Heinz; Wolpers, Jurgen; and von Portatius, Hans-Eberhard, 4,814,386, Cl. 525-258.000.
- Herrmann, Donald C. Universal heat exchanger. 4,874,040, 10-17-89, Cl. 165-122.000.
- Herrmann, Erhard: *See—*
  - Obermeier, Manfred; and Herrmann, Erhard, 4,880,484, Cl. 156-51.000.
- Herrmann, Fritz: *See—*
  - Klatte, Bernd; Ferme, Vencenzo; Herrmann, Fritz; Hebborn, Hans-Gerd; and Poliwczyk, Oskana, 4,801,047, Cl. 222-163.000.
- Herrmann, Gerhard: *See—*
  - Brandenstein, Manfred; Haas, Roland; Friedrich, Wolfgang; and Herrmann, Gerhard, 4,872,768, Cl. 384-223.000.
  - Brandenstein, Manfred; Herrmann, Gerhard; and Haas, Roland, 4,889,520, Cl. 474-135.000.
  - Haas, Roland; Brandenstein, Manfred; Herrmann, Gerhard; and Thurn, Karl, 4,848,938, Cl. 384-537.000.
- Herrmann, Gert, to Uni-Cardan Aktiengesellschaft. Vibration damping rotary drive element. 4,838,107, 6-13-89, Cl. 74-411.000.
- Herrmann, Gert, to Uni-Cardan Aktiengesellschaft. Clutch plate. 4,840,262, 6-20-89, Cl. 192-106.200.
- Herrmann, Heinz; and Schlosser, Hans-Joachim, to Hoechst Aktiengesellschaft. Presensitized waterless planographic printing plate with amorphous silicic acid interlayer and process of making and using. 4,842,988, 6-27-89, Cl. 430-14.000.
- Herrmann, Heinz; Schlosser, Hans-Joachim; and Billino, Susanne, to Hoechst Aktiengesellschaft. Presensitized negative working waterless planographic printing plate with amorphous silicic acid interlayer and process of making and using. 4,842,990, 6-27-89, Cl. 430-272.000.
- Herrmann, Hellmut A., to Schmidt'sche Heissdampf GmbH. Heat exchanger. 4,867,234, 9-19-89, Cl. 115-177.000.
- Herrmann, Henry O., Jr.; and Steely, Lee W., to AMP Incorporated. Vehicle multiplex system. 4,845,708, 7-4-89, Cl. 370-85.000.
- Herrmann, Horst: *See—*
  - Haar, Hans-Peter; Edelmann, Hermann; Herrmann, Horst; and Thiery, Joachim, 4,838,999, Cl. 204-1.00T.
- Herrmann, Jochem; and Siefken, Erwin O. F., to U.S. Philips Corporation. Method of determining the position of an electron beam in a shadow mask display tube. 4,814,669, 3-21-89, Cl. 315-10.000.
- Herrmann, Karl: *See—*
  - Westphal, Robert; and Herrmann, Karl, 4,860,016, Cl. 342-169.000.
- Herrmann, Lothar; Kaiser, Bernhard; and Wokock, Ortwin, to Kienzle Apparate GmbH. Manually actuated, self-collecting parking meter. 4,807,737, 2-28-89, Cl. 194-293.000.
- Herrmann, Manfred: *See—*
  - Satzinger, Gerhard; Herrmann, Manfred; Fritschi, Edgar; and Weiershausen, Ute, 4,816,485, Cl. 514-619.000.
- Herrmann, Martin. Method for removing serum proteins from milk products. 4,844,923, 7-4-89, Cl. 426-239.000.
- Herrmann, Raymond J., to Ciba Corning Diagnostics Corp. Specimen cup and cap assembly for clinical analyzer. 4,799,599, 1-24-89, Cl. 215-307.000.
- Herrmann, Raymond J.: *See—*
  - Fought, Gerald E.; and Herrmann, Raymond J., 4,887,830, Cl. 280-304.100.
  - Patel, Nathalal G.; Tuckowski, Thomas J.; and Herrmann, Raymond J., 4,834,413, Cl. 280-304.100.
- Herrmann, Rupert: *See—*
  - Batz, Hans-Georg; Herrmann, Rupert; Topfmeier, Fritz; and Schlumberger, Helmut, 4,845,030, Cl. 435-28.000.
- Herrmann, Uwe, to Boehringer Mannheim GmbH. Process for production of an immune reactive, porous carrier material for heterogeneous immunological analysis. 4,820,633, 4-11-89, Cl. 435-7.000.
- Herrmann, Wilfried: *See—*
  - Nandi, Kumaresh; Fischer, Helga; Herrmann, Wilfried; Kohne, Hans; Lahr, Wolfgang; Schmersahl, Heir U.; and Walch, Hans 4,855,300, Cl. 514-264.000.
- Herrnstadt, Corinna; and Soares, George G., to Mycogen Corporation. Control of cotton boll weevil, alfalfa weevil, and corn rootworm via contact with a strain of bacillus thuringiensis. 4,797,276, 1-10-89, Cl. 424-84.000.
- Herrnstadt, Corinna; and Wilcox, Edward, to Mycogen Corporation. Cloning and expression of *Bacillus thuringiensis* toxin gene toxic to beetles of the order Coleoptera. 4,853,331, 8-1-89, Cl. 435-252.100.
- Herrnstadt, Corinna; and Wilcox, Edward, to Mycogen Corporation. Cloning and expression of *Bacillus Thuringiensis* toxin gene toxic to beetles of the order Coleoptera. 4,865,981, 9-12-89, Cl. 435-252.300.
- Herrod, John A.: *See—*
  - Anthias, Tefcros; Herrod, John A.; and Ricketts, Martin W. 4,845,644, Cl. 364-521.000.
  - Anthias, Tefcros; Herrod, John A.; and Trees, George M. 4,890,257, Cl. 364-900.000.
- Herron, Carlisle M.; Dean, Walter L.; Moore, Danny R.; Owens, James W.; and Schoggen, Howard L., to Procter & Gamble Cellulose Company, The. Process for making individualized, crosslinked fibers having reduced residuals and fibers thereof. 4,889,595, 12-26-89, Cl. 162-157.600.
- Herron, David: *See—*
  - Chard, Brian C.; Bale, Christopher R.; Gill, Beresford R.; Herron, David; and Garrett, Stephen J., 4,848,374, Cl. 131-330.000.
- Herron, Gene A.; Nickel, Gerhard E. B.; and Alberghini, Alfred C., to Sewell Plastics Inc. Pasteurizable container closure. 4,813,55 3-21-89, Cl. 215-329.000.
- Herron, Jeffrey W.: *See—*
  - Williams, Robert A.; and Herron, Jeffrey W., 4,880,999, Cl. 310-37.000.
- Herron, Joe N., to P. H. Glatfelter Company. Tobacco product containing side stream smoke flavorant. 4,804,002, 2-14-89, Cl. 131-365.000.
- Herron, John S., to Aspen Peripherals Corp. Single syndrome generator for forward and reverse read of high density magnetic tape and method therefor. 4,870,645, 9-26-89, Cl. 371-37.400.
- Herron, Lester W.; Lussow, Robert O.; Nufer, Robert W.; Schwartz, Bernard; Acocella, John; and Reddy, Srinivasa N., to International Business Machines Corporation. Multilayered ceramic substrate having solid non-porous metal conductors. 4,879,156, 11-7-89, Cl. 428-137.000.
- Herron, Lindsay G. Riffle bars. 4,863,588, 9-5-89, Cl. 209-44.000.
- Herron, Maynard M.; and Fell, Ferol S. Tilt tub bale processor having tub-mounted rotor feed control grid. 4,846,411, 7-11-89, Cl. 241-101.700.
- Herron, Rand E.: *See—*
  - Saros, Stephen; Smith, John L.; Cassaday, Michael M.; Herron, Rand E.; and Pelavin, Milton H., 4,853,336, Cl. 436-53.000.
- Herron, Robert C., to Minnesota Mining and Manufacturing Company. EMI shielded electrical connector and cable assembly. 4,822,304 4-18-89, Cl. 439-610.000.
- Herron, Roy H., Jr.; and Sumerau, William R., to Ryobi Motor Products Corp. Noise isolating motor mounting system for a canister vacuum cleaner. 4,864,683, 9-12-89, Cl. 15-412.000.
- Herrschaft, William. Multiple cartridge label applying apparatus. 4,810,324, 3-7-89, Cl. 156-540.000.
- Herrud, James E.: *See—*
  - Mauritz, Karl H.; Leger, Geary L.; Wicklund, Joseph B.; Herrud, James E.; and Laney, Steven H., 4,882,700, Cl. 365-51.000.
- Hersberger, Jill G.; Bell, Myron H.; Harding, Robert L.; and Spadafora, Peter J., to Delco Electronics Corporation. Method and apparatus for low speed estimation. 4,885,710, 12-5-89, Cl. 364-565.000.
- Hersberger, Jill G.: *See—*
  - Spadafora, Peter J.; Hersberger, Jill G.; Bell, Myron H.; and Harding, Robert L., 4,799,178, Cl. 364-565.000.
  - Spadafora, Peter J.; Headley, Philip M.; Lee, Alan J.; and Hersberger, Jill G., 4,824,184, Cl. 303-100.000.
- Herschel Corporation: *See—*
  - Speck, Cleo T., 4,854,114, Cl. 56-296.000.
- Herscher, Bret A., to Wavetek Microwave, Inc. True RMS power demodulation system and method for a modulated RF signal. 4,876,654, 10-24-89, Cl. 364-483.000.
- Herschitz, Roman; Demarest, Scott T.; Chu, Stephen H.; and Long, John G., to General Electric Company. Constant temperature welding method. 4,849,600, 7-18-89, Cl. 219-110.000.
- Herschitz, Roman; Bogorad, Alexander; and Harhigh, Robert N., to General Electric Company. Preweld test method. 4,876,43 10-24-89, Cl. 219-110.000.
- Herschler, Robert J. Dietary products and uses comprising methylsulfonylmethane. 4,863,748, 9-5-89, Cl. 426-72.000.
- Herscovici, Calman, to Electric Power Research Institute, Inc. Porous and porous-nonporous composites for battery electrodes. 4,818,74 4-4-89, Cl. 502-101.000.
- Hersey, Devin W., to Boeing Company, The. Cryogenic cooling system with precooling stage. 4,829,785, 5-16-89, Cl. 62-467.000.
- Hersey, Michael G. Exercise kit, including balancing device and method of using same. 4,826,159, 5-2-89, Cl. 272-146.000.
- Hersh, Clifford L., to Genigraphics Corportion. Look-up table. 4,835,527, 5-30-89, Cl. 340-703.000.
- Hersh, Lawrence T.; Medero, Richard; and Hood, Rush W., Jr., to Critikon, Inc. Pulse oximetry system. 4,807,631, 2-28-89, Cl. 128-633.000.

- Hersh, Marvin; and Lentine, Charles W., to American Home Products Corporation. Pharmaceutical composition containing a liquid lubricant. 4,832,952, 5-23-89, Cl. 424-400.000.
- Hersh, Michael L.: *See—*
  - Bartholomew, Lawrence D.; Gralenski, Nicholas M.; Richie, Michael A.; and Hersh, Michael L., 4,834,020, Cl. 118-719.000.
- Hershberger, David L., to Grass Valley Group, Inc., The. Numerical precorrection technique. 4,811,264, 3-7-89, Cl. 364-726.000.
- Hershberger, David L.; and Ransom, Gordon E., to Grass Valley Group, Inc., The. Optical device copensator. 4,868,895, 9-19-89, Cl. 455-618.000.
- Hershberger, Donald F., to Miles Inc. Preparation of mycelial chitosan and glucan fractions from microbial biomass. 4,806,474, 2-21-89, Cl. 435-101.000.
- Hershberger, Doran D., to General Electric Company. Drive for a laundry machine. 4,806,717, 2-21-89, Cl. 318-138.000.
- Hershberger, Howard O.: *See—*
  - Hostetler, Dewey L.; Lansdowne, David L.; and Hershberger, Howard O., 4,869,054, Cl. 56-6.000.
- Hershberger, Marc; Stevens, Carl; and Ozug, Peter, to Eastman Kodak Company. Apparatus for shielding an electrical circuit from electromagnetic interference. 4,829,432, 5-9-89, Cl. 361-424.000.
- Hershberger, Marc, to Eastman Kodak Company. Digital data apparatus including an application insert sensor. 4,859,841, 8-22-89, Cl. 235-485.000.
- Hershel, Ronald S., to General Signal Corp. Optical focus sensor system. 4,808,807, 2-28-89, Cl. 250-201.000.
- Hershey, George E.; Lane, Charles E., III; and Wilda, Douglas W., to Honeywell Inc. Pressure transmitter assembly. 4,841,777, 6-27-89, Cl. 73-721.000.
- Hershyn, William, to X-Ray Technologies, Inc. Multitarget x-ray tube. 4,870,671, 9-26-89, Cl. 378-124.000.
- Hersker, Lee H. Latch hook rug holder. 4,809,399, 3-7-89, Cl. 16-8.000.
- Hersom, Dana A. Electric fish landing net. 4,839,980, 6-20-89, Cl. 43-11.000.
- Herstad, Ola; and Olausson, Lars, to Gotaverken Energy Systems AB. Combustion plant including a circulation fluid bed. 4,796,546, 1-10-89, Cl. 110-216.000.
- Herstein, Dov, to General Microwave Corporation. Assembly of microwave components. 4,810,981, 3-7-89, Cl. 333-27.000.
- Hert, Marius: *See—*
  - Guerdoux, Lionel, and Hert, Marius, 4,868,052, Cl. 428-336.000.
- Hertel AG Werkzeuge & Hartstoffe: *See—*
  - Glaser, Franz, 4,797,041, Cl. 409-232.000.
  - Glaser, Franz, 4,863,323, Cl. 409-232.000.
  - Tikal, Franz; and Krenzer, Ulrich, 4,826,368, Cl. 408-225.000.
- Hertel, James E., to Paper Converting Machine Company. Method and apparatus for log saw blade sharpening. 4,821,613, 4-18-89, Cl. 83-13.000.
- Hertel, James E.; and Buxton, Gerry, to Paper Converting Machine Company. Surface winder and method. 4,828,195, 5-9-89, Cl. 242-66.000.
- Hertel, Larry W., to Eli Lilly and Company. Difluoro antivirals and intermediate therefor. 4,808,614, 2-28-89, Cl. 514-45.000.
- Hertel, Larry W.; Morin, John M., Jr.; and Vasileff, Robert T., to Eli Lilly and Company. Photochemical conversion of cephalosporins, 1-carba(1-dethia)cephalosporins and 1-oxa(1-dethia)cephalosporins. 4,888,100, 12-19-89, Cl. 204-157.700.
- Hertel, Otto: *See—*
  - Hoelderich, Wolfgang; Fischer, Rolf; Hertel, Otto; Mross, Wolf D.; and Weitz, Hans-Martin, 4,806,679, Cl. 560-262.000.
- Hertel, Richard J.; Delforge, Adrian C.; Mears, Eric L.; MacIntosh, Edward D.; Jennings, Robert E.; and Bhargava, Akhil, to Varian Associates, Inc. Wafer transfer system. 4,836,733, 6-6-89, Cl. 414-225.000.
- Hertel, Richard J.: *See—*
  - Mears, Eric L.; Hertel, Richard J.; Brick, Robert V.; and Holt, Carl J., Jr, 4,817,556, Cl. 118-503.000.
- Hertell, Siegfried; and Otto, Dieter, to Barmag AG. Hydraulic gear pump. 4,850,814, 7-25-89, Cl. 417-295.000.
- Hertell, Siegfried: *See—*
  - Otto, Dieter; and Hertell, Siegfried, 4,813,853, Cl. 417-295.000.
- Hertema, Daryl J.: *See—*
  - Wiseman, Leland G. and Hertema, Daryl J., 4,856,459, Cl. 119-73.000.
- Herten, Joris F.; and Louies, Bernard D., to Allied-Signal Inc. Composition and method to process polymers including ultrahigh molecular weight polyethylene. 4,853,427, 8-1-89, Cl. 524-394.000.
- Herter, Rolf; Sartran, C. Bernard; and Grabowski, Arno, to ARO Corporation, The. Double acting diaphragm pump. 4,830,586, 5-16-89, Cl. 417-395.000.
- Herter, Rolf: *See—*
  - Schickaneder, Helmut; Herter, Rolf; Vergin, Hartmut; Engler, Heidrun; and Ahrens, Kurt H., 4,833,141, Cl. 514-252.000.
- Herter Rotor Marketing Division & Co. Beteiligungsgesellschaft mbH: *See—*
  - Martin, Michael, 4,799,860, Cl. 416-119.000.
- Herting, Heinrich, to Karl Oexmann, Inh. Wolfmann Oexmann, Firma. Baked wafer or cone with printed matter. 4,859,476, 8-22-89, Cl. 426-87.000.
- Hertleif, Hans-Peter: *See—*
  - Schulz, Gerd; and Hertleif, Hans-Peter, 4,872,359, Cl. 74-109.000.
- Hertler, Walter R., to Du Pont de Nemours, E. I., and Company. Monomers and initiators for group transfer polymerization. 4,806,605, 2-21-89, Cl. 526-190.000.
- Hertling, David R.: *See—*
  - Hughes, David W.; Feeney, Robert K.; and Hertling, David R., 4,874,711, Cl. 437-8.000.
- Hertog, Craig, to Honeywell Inc. Reflection limiting photoresist composition with two azo dyes. 4,828,960, 5-9-89, Cl. 430-191.000.
- Hertogs, Willy A. M.: *See—*
  - Langmeier, James R.; Chehab, Mohamed N. H.; De Caluwe, Robert C. J. M.; Hertogs, Willy A. M.; Van den Broeck, Jean B. A.; and van Loon, Miriam H. J. M., 4,807,787, Cl. 222-529.000.
- Hertrampf, Joachim: *See—*
  - Pichler, Alfred; Hertrampf, Joachim; and Pachonik, Horst, 4,829,658, Cl. 29-603.000.
  - Pichler, Alfred; Hertrampf, Joachim; and Pachonik, Horst, 4,856,181, Cl. 29-603.000.
- Hertrich, Friedrich R., to Digital Equipment Corporation. Narrow contour head assembly. 4,809,110, 2-28-89, Cl. 360-122.000.
- Hertrich, Friedrich R., to Digital Equipment Corporation. Brushless DC motor. 4,874,975, 10-17-89, Cl. 310-186.000.
- Hertrich, Klaus: *See—*
  - Fenske, Horst; Hertrich, Klaus; Schumann, Helmut; and Storr, Rudolf, 4,834,361, Cl. 271-187.000.
- Hertrich, Steffen; Ness, Friedrich; and Knorr, Charles, to INA Walzlager Schaeffler KG. Hydraulic play compensating element. 4,800,851, 1-31-89, Cl. 123-90.460.
- Hertrich, Steffen; and Goppelt, Dieter, to INA Walzlager Schaeffler KG. Belt tensioning device. 4,854,922, 8-8-89, Cl. 474-110.000.
- Herty, Winfried: *See—*
  - Dorge, Franz; Erlenmayer, Udo; Faber, Bernd; Herty, Winfried; and Munz, Gunter, 4,880,259, Cl. 285-137.100.
- Hertz, Carl H. Compensation method and device for ink droplet deviation of an ink jet. 4,800,396, 1-24-89, Cl. 346-1.100.
- Hertz, Carl H.; and Samuelsson, Bo A., to Hertz, Carl Hellmuth. Method and apparatus for controlling the electrical charging of drops in an ink jet recording apparatus. 4,839,665, 6-13-89, Cl. 346-1.100.
- Hertz, Carl Hellmuth: *See—*
  - Hertz, Carl H.; and Samuelsson, Bo A., 4,839,665, Cl. 346-1.100.
- Hertz, Claude M.; and Ronk, Leroy B., to Ronk Electrical Industries, Inc. Stray voltage reduction apparatus. 4,816,956, 3-28-89, Cl. 361-42.000.
- Hertz, David: *See—*
  - Smith, Stanton D.; Hertz, David; Wolf, Robert B.; and Olsen, Robert H., 4,871,966, Cl. 324-309.000.
- Hertz, Dominique, to Framatome. Nuclear fuel assembly with coated sheaths and a method of coating such sheaths. 4,849,160, 7-18-89, Cl. 376-416.000.
- Hertz, Dominique; and Couturier, Jean-Michel, to Compagnie Generale d'Automatisme CGA-HBS; and Compagnie Generale des Matieres Nucleaires. Stainless steel tubular element with improved wear resistance. 4,873,117, 10-10-89, Cl. 427-37.000.
- Hertzberg, Tommy H.; and Ekstrom, Bernt, to Perstorp AB. Circuit board containing a metal net. 4,824,381, 4-25-89, Cl. 439-87.000.
- Hertzen, Krister; and Sjoblom, Hans. Device for preventing unauthorized use of credit cards and like data carriers. 4,804,826, 2-14-89, Cl. 235-382.000.
- Hertzer, Norman R., to Cleveland Clinic Foundation. Coiled tubing for intravenous and intra-aerterial applications. 4,846,794, 7-11-89, Cl. 604-83.000.
- Hertzog, Russel C.: *See—*
  - Wraight, Peter D.; Hertzog, Russel C.; Ellis, Darwin V.; Scott, Hubert D.; Schweitzer, Jeffrey S.; and Grau, James A., 4,810,876, Cl. 250-256.000.
- Hertzsch, Winfried: *See—*
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- Herubel, Guy: *See—*
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- Hervais, Vincent: *See—*
  - Audureau, Joel; Morese-Seguela, Brigitte; and Hervais, Vincent, 4,818,467, Cl. 264-564.000.
- Hervat, John C.; Mondek, Matthew H.; Osborn, Harold L.; and Umek, Gregory M., to Outboard Marine Corporation. Outboard motor tilt lock device. 4,863,405, 9-5-89, Cl. 440-53.000.
- Herve et Fils S.A.: *See—*
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- Herve, Jean-Jacques: *See—*
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- Herve, Patrice: *See—*
  - Hernandez, Michel; Herve, Patrice; and Gougouyan, Yves, 4,887,793, Cl. 251-208.000.
- Herve, Philip, to Eparco. All-purpose septic tank. 4,886,605, 12-12-89, Cl. 210-170.000.
- Herve, Rene; and Percehais, Serge, to Goemar S.A. New drugs based on extracts of algae, and corresponding formulations. 4,824,673, 4-25-89, Cl. 421-195.100.
- Herve, Yolande: *See—*
  - Barton, Derek; Potier, Pierre; Herve, Yolande; and Thierry, Josiane, 4,868,307, Cl. 546-256.000.
- Hervol, Henry J.: *See—*
  - Harrington, James M.; Hervol, Henry J.; and Walton, William N., 4,863,644, Cl. 261-77.000.
- Hervouet, Raymond: *See—*
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Hervouin, Lucien: *See—*
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Herwig, Jens; Kolwert, Alois; Sutter, Hubert; and Woltjes, Dieter, to EC Erdolchemie GmbH. Ionomer-modified polyethylene as film material. 4,882,393, 11-21-89, Cl. 525-330.200.
Herwig, Lewis F. Adjustable stringplate mounting means for a grand piano. 4,873,906, 10-17-89, Cl. 84-184.000.
Herwig, Lizabeth. Baby seat restraint. 4,834,460, 5-30-89, Cl. 297-485.000.
Herwig, Thomas: *See—*
  Glockmann, Walter; and Herwig, Thomas, 4,884,289, Cl. 378-57.000.
Hery, William J.: *See—*
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Herz, Arthur H.: *See—*
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  Friour, Gerard; Herz, Arthur H.; Paris, Christian; and Riveccie, Marcel, 4,865,965, Cl. 430-569.000.
Herz, Claus P.: *See—*
  Dorsch, Dieter; Eidenschink, Rudolf; and Herz, Claus P., 4,822,682, Cl. 428-411.100.
  Eidenschink, Rudolf; Dorsch, Dieter; and Herz, Claus P., 4,833,035, Cl. 428-411.100.
Herz, Jack: *See—*
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Herzfeld, David: *See—*
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Herzfeld, Ronald; Wydra, Karl; Grebe, Herbert; Dickel, Fritz; Dickel, Ronald; and Dickel, Norbert, to Thorwarth & Grebe OHG. Spraybrush. 4,863,302, 9-5-89, Cl. 401-289.000.
Herzig, Christian; Deubzer, Bernward; Frey, Volker; and Esterbauer Josef, to Wacker-Chemie GmbH. Process for preparing weather-resistant coatings. 4,857,608, 8-15-89, Cl. 525-476.000.
Herzig, Christian: *See—*
  Schmitt, Werner; Jochum, Peter; Zahler, Wolf-Dietrich; Hubner, Heijo; Holupirek, Manfred; Gasser, Oswald; and Herzig, Christian, 4,795,823, Cl. 560-182.000.
Herzig, Jaacov: *See—*
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Herzig, Paul: *See—*
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Herziger, Gerd; Beyer, Eckhard; Loosen, Peter; and Poprawe, Reinhart, to Herziger, Gerd. Arrangement for machining workpieces by means of a laser beam by building up a plasma that is to be kept within limits. 4,839,493, 6-13-89, Cl. 219-121.690.
Herzl, Peter J., to Fischer & Porter Company. Signal recovery system for mass flowmeter. 4,852,409, 8-1-89, Cl. 73-861.380.
Herzog, Albert A. M.: *See—*
  Morais Cravador, Alfredo J.; Jacobs, Paul; Bollen, Alex J.; Van Elsen, Ary; and Herzog, Albert A. M., 4,857,470, Cl. 435-320.000.
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Herzog, Hans-Joest; Jorke, Helmut; and Kibbel, Horst, to Icentia Patent-Verwaltungs-GmbH. Method for producing a spatially periodic semiconductor layer structure. 4,843,028, 6-27-89, Cl. 437-81.000.
Herzog, Hans K., to Boeing Company, The. Receive coupler for binary data communication systems. 4,823,364, 4-18-89, Cl. 375-36.000.
Herzog, Hans K., to Boeing Company, The. Binary data communication system. 4,825,450, 4-25-89, Cl. 375-17.000.
Herzog, Helmut; Schutze, Detlef-Ingo; Schneider, Jurgen; and Schmitz, Reinold, to Bayer Aktiengesellschaft. Process for the preparation of 6,13-dihydroquinacridones and quinacridones. 4,812,568, 3-14-89, Cl. 546-49.000.
Herzog, Kenneth. Adjustable nozzle spacer. 4,886,098, 12-12-89, Cl. 141-368.000.
Herzog, Kenneth J. Cap alternator. 4,885,894, 12-12-89, Cl. 53-68.000.
Herzog, Klaus: *See—*
  Breyer, Karl-Hermann; Herzog, Klaus; and Szenger, Franz, 4,882,848, Cl. 33-559.000.
Herzog, Kurt. Injection nozzle construction. 4,834,294, 5-30-89, Cl. 239-584.000.
Herzog, Michael B.: *See—*
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Herzog, Reinhold; Padinger, Reinhard; Rainer, Hans-Peter; and Schober, Helmo, to D'Cathodic Products-Korrosionsschutzprodukte Gesellschaft m.b.H. Device for the cathodic corrosion-protection of metal parts. 4,798,658, 1-17-89, Cl. 204-147.000.
Herzog, Rolf: *See—*
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Herzog, Siegfried; Eckert, Dieter; and Bausch, Max, to Daimler-Benz Aktiengesellschaft. External mirror for vehicles. 4,840,475, 6-20-89, Cl. 350-604.000.
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Herzovi, George: *See—*
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Hesch, Leon D.: *See—*
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Hescher, Manfred: *See—*
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Heselton, John; Nelson, Perry; and Aldrich, Tod. Apparatus for practising golf stroke. 4,852,883, 8-1-89, Cl. 273-197.00R.
Hesh, Frank. Method of secondary extraction of oil from a well. 4,844,156, 7-4-89, Cl. 166-263.000.
Hesh, Frank. Portable water-powered electric generator. 4,868,408, 9-19-89, Cl. 290-52.000.
Heshmat, Hooshang; and Gorski, Paul T., to Reliance Electric Company. Bearing assembly. 4,863,291, 9-5-89, Cl. 384-305.000.
Hesketh, Gary W.: *See—*
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Hesketh, Mark L., to E. R. Squibb and Sons, Inc. Catheter retaining device. 4,874,380, 10-17-89, Cl. 604-180.000.
Heslin, Peter M., to Honeywell Bull Inc. On chip signal selection method and apparatus. 4,799,147, 1-17-89, Cl. 364-200.000.
Heslop, Christopher J. H.: *See—*
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Hespelt, Volker; and Alberty, Thomas, to ANT Nachrichtentechnik GmbH. Method and arrangement for synchronizing a receiver in digital transmission systems. 4,847,872, 7-11-89, Cl. 375-97.000.
Hess, Albert J., III, to Laser Applications, Inc. Simultaneously cutting and welding sheet metal using laser energy. 4,798,931, 1-17-89, Cl. 219-121.640.
Hess, Albert J., III, to Laser Applications, Inc. Simultaneously cutting and welding sheet metal using laser energy. 4,859,826, 8-22-89, Cl. 219-121.630.
Hess, Andreas; Klink, Jurgen; and Zimmermann, Friedrich, to BTS Broadcast Television Systems GmbH. Automatic aperture control of a television camera. 4,829,382, 5-9-89, Cl. 358-228.000.
Hess, Anton H.; Mehn, Siegfried; and Schonmann, Holger, to R. P. Scherer GmbH. Oral garlic preparations and process for preparing same. 4,849,218, 7-18-89, Cl. 424-94.100.
Hess, Bergen; and Ramik, Vincent L. Funnel construction system. 4,825,915, 5-2-89, Cl. 141-337.000.
Hess, Bernhard; Brassat, Bert; and Walter, Oskar, to Bayer Aktiengesellschaft. Polyester resin compositions which can be hardened with little shrinkage. 4,806,603, 2-21-89, Cl. 525-445.000.
Hess, Dennis W.; and Brooks, Todd A., to University of California, The Regents of the. Plasma enhanced chemical vapor deposition of thin films of silicon nitride from cyclic organosilicon nitrogen precursors. 4,863,755, 9-5-89, Cl. 427-39.000.
Hess, Doren W., Jr.; and Jones, John R., to Scientific-Atlanta, Inc. Feeds for compact ranges. 4,885,593, 12-5-89, Cl. 343-786.000.
Hess, Fritz, to EPM AG. Method and equipment to solder printed-circuit assemblies. 4,807,794, 2-28-89, Cl. 228-102.000.
Hess, Garry C., to Motorola, Inc. Method for dynamically allocating data channels on a trunked communication system. 4,831,373, 5-16-89, Cl. 340-825.030.
Hess, Garry C.: *See—*
  Zdunek, Kenneth J.; Hess, Garry C.; and Comroe, Richard A., 4,870,408, Cl. 340-825.030.
Hess, Hans-Peter; and Hlousek, Peter, to Brose Fahrzeugteile GmbH & Co. KG. Drive arrangement for a window lifting mechanism. 4,888,916, 12-26-89, Cl. 49-352.000.
Hess, Heinrich; Grogler, Gerhard; and Kopp, Richard, to Bayer Aktiengesellschaft. Process for the production of a thixotropic agent especially for storable reactive polyurethane systems. 4,801,621, 1-31-89, Cl. 521-157.000.
Hess, Heinrich; Grogler, Gerhard; Kopp, Richard; Bock, Manfred; and Clarenz, Werner, to Bayer Aktiengesellschaft. Process for the production of thermosetting one-component polyurethane-polyurea systems. 4,847,321, 7-11-89, Cl. 524-788.000.
Hess, Heinrich: *See—*
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  Grogler, Gerhard; Ruckes, Andreas; Hess, Heinrich; and Kopp, Richard, 4,882,411, Cl. 528-54.000.
  Kopp, Richard; Grogler, Gerhard; Hess, Heinrich; Schafer, Hermann; and Rasshofer, Werner, 4,797,320, Cl. 428-316.600.
  Rasshofer, Werner; Grigat, Ernst; Grogler, Gerhard; Hess, Heinrich; and Kopp, Richard, 4,855,504, Cl. 564-395.000.
  Ruckes, Andreas; Grogler, Gerhard; Kopp, Richard; and Hess, Heinrich, 4,851,567, Cl. 560-330.000.

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  Nitzinger, Karl; Gerl, Josef; Steiner, Herbert; and Hess, Helmut, 4,880,955, Cl. 219-10.55R.
Hess, Jack. Air distribution system for air support convalescent beds. 4,862,921, 9-5-89, Cl. 137-861.000.
Hess, Joachim. Protective housing made of a synthetic material to hold measuring, control, monitoring and similar devices in repeated use under tightly sealed conditions. 4,821,905, 4-18-89, Cl. 220-4.00B.
Hess, Joachim. Stacking and surface protection device on a protective housing made of a synthetic material. 4,889,235, 12-26-89, Cl. 206-511.000.
Hess, John M, III: *See—*
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Hess, Robert V.; Upchurch, Billy T.; Brown, Kenneth G.; Miller, Irvin M.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Hoyt, Ronald F., to United States of America, National Aeronautics and Space Administration. Isotope exchange in oxide-containing catalyst. 4,839,330, 6-13-89, Cl. 502-53.000.
Hess, Robert V.: *See—*
  Upchurch, Billy T.; Miller, Irvin M.; Brown, Kenneth G.; Hess, Robert V.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Paulin, Patricia A., 4,829,035, Cl. 502-34.000.
Hess, Stanley R.; Miller, Sandra L.; Pohndorf, Peter J.; and Tarjan, Peter P., to Cordis Corporation. Neural stimulator electrode element and lead. 4,800,898, 1-31-89, Cl. 128-785.000.
Hess, Stanley R., to Cordis Leads, Inc. Endocardial lead with projections having saw tooth formation. 4,841,971, 6-27-89, Cl. 128-419.00P.
Hess, Steven L.: *See—*
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Hess, Todd M.: *See—*
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Hesse, Kurt. Toy automobile for toy roadways. 4,846,756, 7-11-89, Cl. 446-460.000.
Hesse, Wolfgang; and Rauhut, Klaus, to Hoechst Aktiengesellschaft. Resin solutions for cements and coating compositions, process for their preparation and their use. 4,804,722, 2-14-89, Cl. 525-523.000.
Hessel, Stefan; and Ischinger, Thomas, to Messerschmitt-Bolkow-Blohm GmbH. Apparatus for the circumferential irradiation of objects. 4,878,725, 11-7-89, Cl. 350-96.150.
Hesselbom, Hjalmar: *See—*
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Hesser, Paul, to Robert Bosch GmbH. Control system for mobile transporting units on transporting lines. 4,831,540, 5-16-89, Cl. 364-468.000.
Hessey, B. Russell. Smoke generating apparatus. 4,871,115, 10-3-89, Cl. 239-136.000.
Hessing, Lynn C.; Huffman, John W.; and Tyson, Ben B., to Hewlett-Packard Company. Resonant frequency reciprocating drive mechanism. 4,869,608, 9-26-89, Cl. 400-320.000.
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Hessmert, Gustav-Adolf, to Gustav Hessmert KG. Stackable crates of synthetic material for bottles, especially wine bottles. 4,799,592, 1-24-89, Cl. 206-504.000.
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  Ratzlaff, Howard J.; and Fell, Ferol S., 4,819,418, Cl. 56-341.000.
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Hester, Richard E.; and Ngo, Tuan V., to VTC Incorporated. Input offset voltage trimming network and method. 4,827,222, 5-2-89, Cl. 330-257.000.
Hester, Richard E.; and Ngo, Tuan V., to VTC Incorporated. Differential amplifier with input bias current cancellation. 4,843,342, 6-27-89, Cl. 330-257.000.
Hester, Richard E.: *See—*
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Hester, Richard K.; and de Wit, Michiel, to Texas Instruments Incorporated. Charge redistribution A/D converter with increased common mode rejection. 4,803,462, 2-7-89, Cl. 341-172.000.
Hester, Richard K., to Texas Instruments Incorporated. Charge redistribution A/D converter with reduced small signal error. 4,831,381, 5-16-89, Cl. 341-172.000.
Hester, Richard K., to Texas Instruments Incorporated. Analog interface system. 4,855,743, 8-8-89, Cl. 341-110.000.
Hester, Robert. Wheelchair and method of operating same. 4,794,999, 1-3-89, Cl. 180-8.200.
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Hesterberg, William G.; Donahue, Raymond J.; and Sheaffer, Benjamin L., to Brunswick Corporation. Hypereutectic aluminum-silicon casting alloy. 4,821,694, 4-18-89, Cl. 123-195.00R.
Hesterberg, William G.; and Cleary, Terrance M., to Brunswick Corporation. Method and apparatus for accelerating metal solidification. 4,858,671, 8-22-89, Cl. 164-34.000.
Hesterberg, William G., to Brunswick Corporation. Method and apparatus for drying coatings on articles. 4,888,213, 12-19-89, Cl. 427-133.000.
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  Donahue, Raymond J.; Hesterberg, William G.; and Cleary, Terrance M., 4,875,985, Cl. 204-64.00T.
Hesterman, Victor W., to Hewlett-Packard Company. Nondestructive M-H hysteresis testers for magnetic discs for computer disc drives. 4,843,316, 6-27-89, Cl. 324-210.000.
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Heston, David D.; Seymour, David J.; and Lehmann, Randall E., to Texas Instruments, Inc. Matched variable attenuation switched limiter. 4,810,980, 3-7-89, Cl. 333-17.00L.
Heston, Krystyna L. Clothes hanger. 4,801,057, 1-31-89, Cl. 223-92.000.
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Hetherington, Michael W.; Garner, David P.; and Millman, Allan D., to Iona Appliances Inc.; and Appareils Iona Inc. Surface cleaning apparatus. 4,798,613, 1-17-89, Cl. 55-52.000.
Hetherington, Richard: *See—*
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  Fossum, Tryggve; Hetherington, Ricky C.; Fite, David B., Jr.; Manley, Dwight P.; McKeen, Francis X.; and Murray, John E., 4,888,679, Cl. 364-200.000.
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Hetland, Jens G. Arrangement in an intraocular anterior chamber lens. 4,816,032, 3-28-89, Cl. 623-6.000.
Hetrick, Barton M.: *See—*
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Hetrick, Robert E., to Ford Motor Company. Resonant vibrating structures with driving sensing means for noncontacting position and pick up sensing. 4,806,859, 2-21-89, Cl. 324-207.000.
Hetrick, Robert E., to Ford Motor Company. Resonant vibrating structure with electrically driven wire coil and vibration sensor. 4,887,032, 12-12-89, Cl. 324-207.000.
Hetrick, Robert E.: *See—*
  Logothetis, Eleftherios M.; Hetrick, Robert E.; Soltis, Richard E.; and Vassell, William C., 4,841,934, Cl. 123-440.000.

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  Eckardt, Dieter; Hettich, Gerhard; and Schmid, Hans-Dieter, 4,845,649, Cl. 364-571.020.
Hettiger, James, to RCA Licensing Corporation. Chip component providing rf suppression. 4,796,079, 1-3-89, Cl. 357-68.000.
Hettinger, Peter: *See—*
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Hettinger, William P.; and Beck, H. Wayne, to Ashland Oil, Inc. Carbo-metallic oil conversion process and catalysts. 4,877,514, 10-31-89, Cl. 208-120.000.
Hettinger, William P., Jr.; and Veneziano, Larry D., to Ashland Oil, Inc. Process of making a loosely formed non-woven mat of aligned carbon fibers. 4,816,195, 3-28-89, Cl. 264-29.200.
Hettinger, William P., Jr.; Murray, Steven W.; Adkins, Ricky L.; Fritz, Billy T.; Riggs, James R.; and Walters, Paul W., to Ashland Oil, Inc. Apparatus for the separation of solid particulates from a gaseous effluent. 4,869,880, 9-26-89, Cl. 422-147.000.
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  Richter, Siegfried; and Hetz, Helmar, 4,810,835, Cl. 174-107.000.
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Hetzel, Joseph R.; and Virgins, Kenneth L., to Patio Enclosures, Inc. Header assembly. 4,872,297, 10-10-89, Cl. 52-92.000.
Hetzel, Robert H.; and Konrad, Stephan R., to Brunswick Corporation. Marine propeller with addendum. 4,865,520, 9-12-89, Cl. 416-236.00R.
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Heubeck, Erich; Gunther, Werner; Muther, Manfred; and Werner, Leonhard, to Siemens Aktiengesellschaft. Dental x-ray diagnostic apparatus for producing panorama tomograms of the jaw of a patient. 4,813,060, 3-14-89, Cl. 378-39.000.
Heubeck, Erich, to Siemens Aktiengesellschaft. Dental x-ray diagnostics installation for producing panorama tomograms of the jaw of a patient. 4,847,881, 7-11-89, Cl. 378-38.000.
Heubeck, Erich: *See—*
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  Pfeiffer, Joachim; Guenther, Werner; Muether, Manfred; and Heubeck, Erich, 4,878,234, Cl. 378-40.000.
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Heubner, Wilhelm; and Reeb, Wolfgang, to FAG Kugelfischer Georg Schafer (KGaA). Pneumatic-hydraulic pressure transducer. 4,836,092, 6-6-89, Cl. 92-48.000.
Heuchert, Karl H., to Metalurgica Carto Ltda. Automotive vehicle window drive mechanism. 4,835,907, 6-6-89, Cl. 49-352.000.
Heuer, William H.; and Matsuda, Hari, to W. Haking Enterprises Limited. Miniature 110 camera with four-panel wrapper. 4,797,6[illegible], 1-10-89, Cl. 354-75.000.
Heuer, William H.; and Matsuda, Hari, to W. Haking Enterprises Limited. Packaged camera assembly. 4,804,984, 2-14-89, Cl. 354-76.000.
Heufler, Siegfried; and Sesser, Hans, to SUFAG Sport- Und Freizeitanlagen Gesellschaft m.b.H. Snow-making machine. 4,828,175, 5-9-89, Cl. 239-14.200.
Heule, Heinrich. Cutter for the deburring of bores. 4,844,670, 7-4-89, Cl. 408-224.000.
Heumann, Anton, to Klein, Schanzlin & Becker Aktiengesellschaft. Device for transmitting torque to brittle impellers of fluid flow machines. 4,806,078, 2-21-89, Cl. 416-186.00R.
Heumann, John M.; and Lindauer, James M., to Hewlett-Packard Company. Dual channel resolver for real time arrythmia analysis. 4,860,762, 8-29-89, Cl. 128-702.000.
Heumann Pharma GmbH & Co.: *See—*
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  Schickaneder, Helmut; Herter, Rolf; Vergin, Hartmut; Engler, Heidrun; and Ahrens, Kurt H., 4,833,141, Cl. 514-252.000.
Heumann, Reiner; Noske, Erich; and Rattner, Manfred, to Siemens Aktiengesellschaft. Lithotripsy work station. 4,796,613, 1-10-89, Cl. 128-24.00A.
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  Ungermann, Heinz; Sauerschell, Wolfgang; and Heumann, Wilfried, 4,808,935, Cl. 328-146.000.
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  Herbrechtsmeier, Peter; Fleissner, Manfred; Groh, Werner; Heumuller, Rudolf; and Wieners, Gerhard, 4,863,236, Cl. 350-96.340.
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Heuschkel, Uwe. Method and device for producing shaped objects from thermoplastic plastics. 4,874,566, 10-17-89, Cl. 264-40.200.
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Heusquin, Anke: *See—*
  Heusquin, Guy; and Heusquin, Anke, 4,878,043, Cl. 340-521.000.
Heusquin, Guy; and Heusquin, Anke. Device for indicating hydroculture-related values. 4,878,043, 10-31-89, Cl. 340-521.000.
Heuss, Helmut, to Ruhrgas Aktiengesellschaft. Cooled tubular assembly for industrial reheating furnace. 4,886,450, 12-12-89, Cl. 432-235.000.
Heusser, Eduard, to Zellweger Uster AG. Testing apparatus for textile strands. 4,845,983, 7-11-89, Cl. 73-160.000.
Heusser, Eduard, to Zellweger Uster AG. Textile strand sensor. 4,862,741, 9-5-89, Cl. 73-160.000.
Heusser, Martin, to Heilmeier & Weinlein, Fabrik fur Oel-Hydraulik GmbH & Co. KG. Hydraulic control apparatus. 4,811,649, 3-14-89, Cl. 91-47.000.
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  Abkowitz, Stanley; Heussi, Harold L.; Ludwig, Harold P.; and Kraus, Stephen A., 4,852,531, Cl. 123-188.0AA.
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Heuwinkel, Lothar; and Hofinger, Herbert, to Braun Aktiengesellschaft. Safety switching means for controlling a current consumer. 4,859,869, 8-22-89, Cl. 307-117.000.
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  Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, 4,869,460, Cl. 251-62.000.
Hevey, Richard C. Method of detecting and quantifying ligands in liquids via biotin-avidin-medicated fluorescence polarization. 4,863,876, 9-5-89, Cl. 436-537.000.
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  Weber, Paul; and Hevia, Oscar, 4,828,825, Cl. 424-59.000.
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Hewett, Gary E., to Genelabs Incorporated. Blood typing device. 4,851,210, 7-25-89, Cl. 424-11.000.
Hewett, Richard H.; and Luscombe, Brian M., to May & Baker Limited. Herbicidal method using diflufenican. 4,875,925, 10-24-89, Cl. 71-94.000.
Hewette, Chip; and Lewis, Jay L., to Robert Shaw Controls Company. Exhaust gas recirculation valve construction and method of making the same. 4,825,840, 5-2-89, Cl. 123-571.000.
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  Friedrichs, Bernd, 4,887,787, Cl. 248-551.000.
  Tanovici, Alexandru, 4,878,631, Cl. 242-55.200.
Hewig, Gerd; Schum, Berthold; and Worner, Jorg. Method for executing a reproducible glow discharge. 4,812,416, 3-14-89, Cl. 437-5.000.
Hewison, George D., to ITW, Ltd. Screw threaded fastener. 4,878,793, 11-7-89, Cl. 411-387.000.
Hewison, George D., to ITW Limited. Fastening assembly. 4,881,861, 11-21-89, Cl. 411-383.000.
Hewitt, Brian. Composite holographic elements. 4,840,444, 6-20-89, Cl. 350-3.850.
Hewitt, David A.: *See—*
  Ewen, Alexander T. E.; and Hewitt, David A., 4,806,181, Cl. 156-64.000.
Hewitt, Frederick A. Mortuary record container and method of assembly. 4,813,566, 3-21-89, Cl. 220-4.00B.
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Hewitt, Richard P.; Shoemaker, Timothy A.; and Kitlas, Paul F., to Bourns Instruments, Inc. Linear variable differential transformer with improved secondary windings. 4,808,958, 2-28-89, Cl. 336-136.000.
Hewitt, Robert M., to Southern Marine Research, Inc. Transceiver with moisture resistant cover for thumbwheels and the like. 4,823,397, 4-18-89, Cl. 455-89.000.
Hewitt, William B. Method of mixing dental impression materials and device therefor. 4,812,119, 3-14-89, Cl. 433-49.000.
Hewlett-Packard Company: *See—*
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  Bhaskar, Eldurkar V.; Leban, Marzio A.; and Angerstein, Michael D., 4,844,945, Cl. 427-39.000.
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  Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,813,255, Cl. 72-19.000.
  Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,821,157, Cl. 362-241.000.
  Blasciak, Andrew J., 4,845,615, Cl. 364-200.000.
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  Chimm, Wayne R., 4,888,548, Cl. 324-73.00R.
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  Cook, Stephen J., 4,870,353, Cl. 324-158.00F.
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  Crandall, Douglas; Cavanna, Vicente; Shankar, Pradip; and Nordby, Rasmus, 4,873,703, Cl. 375-118.000.
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  Doehler, Gottfried H.; Scott, Caroline J.; Trott, Gary R.; and Boatman, Betty, 4,839,714, Cl. 357-71.000.
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  Donald, David K.; Wang, Shih-Yuan; Ranganath, Tirumala R.; Newton, Steven A.; Trutna, William R.; Bloom, David M.; and David, Frank K., 4,805,237, Cl. 455-619.000.
  Edwards, Allen P.; and Gildea, David R., 4,843,351, Cl. 332-17.000.
  Eisenstein, Gabe L.; Grodd, Laurence W.; McClellan, Paul J.; Miller, Robert M.; Patton, Charles M.; and Wickes, William C., 4,885,714, Cl. 364-709.010.
  Engel, Steven J.; Augenblick, Kurt B.; Freed, Lesley M.; Coffey, Charles T.; and Dryden, Paul C., 4,847,474, Cl. 235-464.000.
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  Firooz, Kamran; Harwood, Vance R.; Illick, Robert C., Jr.; and Crook, David T., 4,799,023, Cl. 328-110.000.
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  Flugstad, Ben; Fried, Raymond L.; Hedge, Alan; McJunkin, Barton L.; and Talbot, Mark D., 4,810,977, Cl. 332-19.000.
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  Garner, Grant K., 4,834,504, Cl. 350-332.000.
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  Gill, Hardayal S.; and Simmons, Ralph F., Jr., 4,843,506, Cl. 360-113.000.
  Gill, Hardayal S.; Hesterman, Victor W.; Tarnopolsky, Giora J.; and Tran, Lung T., 4,878,140, Cl. 360-113.000.
  Gordon, Gary B.; and Spellman, Miles, 4,804,897, Cl. 318-558.000.
  Gordon, Gary B.; Roark, Joseph C.; and Lerner, Stuart D., 4,843,566, Cl. 364-513.000.
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  Guest, David H., 4,852,043, Cl. 364-900.000.
  Hanau, Paul R.; and Blythe, M. David, 4,827,434, Cl. 364-526.000.
  Hansen, Stuart; Fjeldsted, John; and Broadbent, Carolyn, 4,885,500, Cl. 313-256.000.
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  Heffernan, Mary B., 4,824,487, Cl. 134-10.000.
  Heffernan, Mary B.; Norton, Kenneth A.; and Cowger, Bruce, 4,885,932, Cl. 73-53.000.
  Henry, Steven G.; Johnson, Dan S.; Spears, Kurt E.; and Wanger, Mark E., 4,802,030, Cl. 360-60.000.
  Hentschel, Christian; and Schmid, Wolfgang, 4,872,080, Cl. 361-57.000.
  Henze, Richard H.; McConica, Charles H.; Clifford, George; and Spenner, Bruce F., 4,796,136, Cl. 360-132.000.
  Hereikson, Earl C., 4,888,558, Cl. 329-345.000.
  Herleikson, Earl C., 4,853,643, Cl. 329-204.000.
  Herrington, Richard A., 4,816,817, Cl. 340-801.000.
  Hessing, Lynn C.; Huffman, John W.; and Tyson, Ben B., 4,869,608, Cl. 400-320.000.
  Hesterman, Victor W., 4,843,316, Cl. 324-210.000.
  Heumann, John M.; and Lindauer, James M., 4,860,762, Cl. 128-702.000.
  Hickman, Mark S., 4,810,544, Cl. 428-40.000.
  Hornak, Thomas, 4,825,103, Cl. 307-353.000.
  Huang, Fred G., 4,875,205, Cl. 370-6.000.
  Hubby, Laurence M., Jr., 4,873,398, Cl. 178-18.000.
  Hunt, Thomas J.; Miller, James G.; Thomas, Lewis J., III; Melton, Hewlett E., Jr.; and Shoup, Thomas A., 4,873,984, Cl. 128-660.070.
  Huseby, William R.; Moon, Kevin L.; Rasmussen, Steve O.; and Jackson, Larry A., 4,794,859, Cl. 101-485.000.
  Ives, Fred H.; Dickerson, Robert T.; Dickerson, William J.; McNamee, Michael D.; and Talbot, Mark D., 4,806,881, Cl. 332-22.000.
  Jacobi, John W., 4,842,662, Cl. 156-633.000.
  James, Craig A., 4,837,434, Cl. 250-281.000.
  Jewell, Michael B., 4,870,385, Cl. 335-5.000.
  Johnson, Loren E.; Norton, Kenneth A.; Pawlowski, Norman E.; and Wooding, Margaret L., 4,853,037, Cl. 106-22.000.
  Jondrow, Timothy J., 4,838,585, Cl. 292-8.000.
  Kaercher, Michael, 4,845,316, Cl. 174-135.000.

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Kamins, Theodore I.; Colinge, Jean-Pierre; Marcoux, Paul J.; Roylance, Lynn M.; and Moll, John L., 4,810,664, Cl. 437-26.000.
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Kato, Jeff J.; Ruska, David W.; and Van Maren, David J., 4,847,619, Cl. 341-106.000.
Kelly, Kieran B., 4,808,021, Cl. 400-717.000.
Kerschner, Ronald K.; and Bullock, Michael L., 4,818,933, Cl. 324-158.00F.
Kilk, Erik; Smith, David A.; and Schmidt, Alan W., 4,890,236, Cl. 364-485.000.
Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., 4,825,395, Cl. 364-708.000.
Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., 4,878,293, Cl. 29-850.000.
Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., 4,885,430, Cl. 174-254.000.
Kjosness, David P.; and Marriott, Joe E., 4,876,520, Cl. 333-12.000.
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Landgraf, Robert M.; and Hancock, Johnie L., 4,823,077, Cl. 324-121.00R.
Leavitt, Steven C., 4,850,364, Cl. 128-661.090.
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Lesko, Alan J., 4,876,702, Cl. 375-120.000.
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Lloyd, William J., 4,872,028, Cl. 346-1.100.
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Mackanic, James C.; Lelko, Dawn M.; Shugart, Steven A.; and Koch, James K., 4,881,906, Cl. 439-83.000.
Magnin, Paul A., 4,867,167, Cl. 128-660.060.
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Marshall, Alan D.; Mitchell, Christopher J.; and Proudler, Graeme J., 4,888,800, Cl. 380-21.000.
McConica, Charles H.; Miksch, Eugene A.; and Wanger, Mark E., 4,811,141, Cl. 360-110.000.
McConica, Charles H.; Miksch, Arthur; and Wanger, Mark E., 4,823,221, Cl. 360-125.000.
Mebane, Janet E.; Chan, Lawrence W.; La, Duong T.; and Nevarez, Ruben, 4,806,106, Cl. 439-77.000.
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Mills, Louis T., 4,803,435, Cl. 324-456.000.
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Narciso, Steven J., 4,831,377, Cl. 341-118.000.
Nazarathy, Moshe; Newton, Steven A.; and Foster, Scott H., 4,812,038, Cl. 356-73.100.
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Nazarathy, Moshe; Dolfi, David W.; and Kolner, Brian H., 4,843,586, Cl. 364-822.000.
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Parker, David R.; and Gliever, John H., 4,844,593, Cl. 350-400.000.
Parkhurst, Anthony D.; and Halpenny, Thomas J., 4,853,877, Cl. 364-520.000.
Patton, Charles M., 4,852,057, Cl. 364-709.060.
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Pawlowski, Norman E.; Bares, Steven J.; Johnson, Loren E.; and Hindagolla, Suraj L., 4,836,851, Cl. 106-22.000.
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Pollard, Roger D., 4,845,423, Cl. 324-74.000.
Pumphrey, Edward G., 4,812,681, Cl. 307-362.000.
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Rasmussen, Steve O., 4,844,645, Cl. 403-14.000.
Rasmussen, Steve O.; Jackson, Larry A.; Rhodes, John D.; Pinkernell, David W.; Harmon, J. Paul; Moon, Kevin L.; and Hum William R., 4,872,026, Cl. 346-140.00R.
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Setton, Joel; and Laugenie, Jean-Marc, 4,835,346, Cl. 178-17.50.
Siefers, John E., 4,849,691, Cl. 324-158.00F.
Simons, Tad D.; Stawicke, Frederick A.; Reed, William M.; and Tessier, Paul A., 4,857,048, Cl. 604-50.000.
Sieger, Roger R., 4,812,935, Cl. 360-106.000.
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Steps, Steven C., 4,858,111, Cl. 364-200.000.
Steranka, Frank M., 4,864,371, Cl. 357-17.000.
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Taylor, David B.; and Zemke, Steven C., 4,872,090, C 361-424.000.
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Taylor, John B.; and Ellis, Michael K., 4,859,933, Cl. 324-77.0
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Thompson, Dennis C., 4,858,664, Cl. 248-178.000.
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Vincent, Kent D., 4,806,750, Cl. 250-226.000.
Vincent, Kent D.; and Myerholtz, Carl A., 4,855,908, C 364-413.010.
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Vogel, Gregory G., 4,828,509, Cl. 439-278.000.
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  Wong, Siu-Weng S.; Chen, Devereaux C.; and Chu, Kuang-Yi, 4,873,204, Cl. 437-200.000.
  Yanagawa, Koichi; and Yagi, Kazuyuki, 4,795,962, Cl. 324-57.00R.
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Hewson, Glen T. A. Agricultural harvester. 4,823,541, 4-25-89, Cl. 56-13.400.
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  Hull, H. Robert, 4,839,517, Cl. 428-116.000.
  Lee, Frank W.; Neuner, Jon D.; and Baron, Kenneth, 4,859,528, Cl. 428-290.000.
  Lee, Kyu W., 4,806,573, Cl. 521-157.000.
  Lee, Kyu W., 4,824,874, Cl. 521-127.000.
  Lee, Kyu W., 4,830,883, Cl. 427-244.000.
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Heyden, Eugene L. Reclosable bag with a folded portion engaged by a unitary material separation arrangement. 4,795,270, 1-3-89, Cl. 383-77.000.
Heyden, Eugene L. Drainage device for urine. 4,865,595, 9-12-89, Cl. 604-352.000.
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Heyer, Klaus W.; Minion, Richard L.; and Pavlica, Aleksandar, to Steko Inc. Ladle lid arrangement. 4,834,346, 5-30-89, Cl. 266-143.000.
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Heyl, Walter, to Linde Aktiengesellschaft. Adjustable axial piston pump having a bearing pressure pocket located on one side of a rocker body. 4,827,833, 5-9-89, Cl. 92-12.200.
Heyl, Walter, to Linde Aktiengesellschaft. Adjustable axial piston machines. 4,843,950, 7-4-89, Cl. 91-506.000.
Heyland, Sven; Rolli, Karl; Roschli, David; and Sihver, Jaak J., to Nestec S.A. Process for preparation of a flavoring agent. 4,879,130, 11-7-89, Cl. 426-533.000.
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  Hancock, John C.; Dubrul, William R.; and Heyler, Charles J., III, 4,840,615, Cl. 604-93.000.
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Heynacher, Erich; Beckstette, Klaus; and Schmidt, Michael, to Carl-Zeiss-Stiftung. Apparatus for lapping and polishing optical surfaces. 4,850,152, 7-25-89, Cl. 51-165.710.
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Heys, George, Jr.; Yandora, Andrew E.; and McDowell, Philip D., to NCR Corporation. Electronic apparatus assembly. 4,841,412, 6-20-89, Cl. 361-393.000.
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Heyser, Richard C.; and Rooney, James A., to California Institute of Technology. Method and apparatus for reflection mode imaging. 4,884,246, 11-28-89, Cl. 367-7.000.
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Hi-Life Rubber Inc.: *See—*
  Larson, Leigh R., 4,869,205, Cl. 119-14.510.
Hi-Ram, Inc.: *See—*
  Tenniswood, David M., 4,844,401, Cl. 248-635.000.
Hi-Ranger, Inc.: *See—*
  Holmes, William K.; and Mlaker, John J., 4,858,723, Cl. 182-2.000.
  Holmes, William K., 4,861,224, Cl. 414-680.000.

- Hi-Shear Corporation: *See—*
  - Batten, Ronald W., 4,823,653, Cl. 81-468.000.
  - Stinson, Dennis D., 4,819,522, Cl. 81-113.000.
  - Williamson, Herman L.; Hatter, Edwin E.; and Hufnagl, Gerhart, 4,815,907, Cl. 411-107.000.
  - Williamson, Herman L.; and Schuster, Michael M., 4,877,363, Cl. 411-43.000.
- Hi-Stat Manufacturing Co., Inc.: *See—*
  - Bletz, Howard W., 4,887,062, Cl. 337-299.000.
  - Deppe, Gary L.; and Garrison, Richard E., 4,866,410, Cl. 338-28.000.
- Hi-Tec-Gas International GmbH: *See—*
  - Sonntag, Bruno, 4,858,583, Cl. 123-527.000.
- Hi-Tec Sports PLC: *See—*
  - Mackness, Terry; and Wezel, Frank V., 4,887,367, Cl. 36-28.000.
- Hi-Tech Ceramics, Inc.: *See—*
  - Morris, Jeffrey R.; and Burlingame, Nicholas H., 4,889,481, Cl. 431-328.000.
- Hi Tech Industries, Ltd.: *See—*
  - Chu, Cornel, 4,836,489, Cl. 248-442.200.
- Hi-Tek Polymers, Inc.: *See—*
  - Craig, Wallace M., Jr., 4,839,442, Cl. 528-422.000.
  - Shimo, David A., 4,847,233, Cl. 502-171.000.
  - Zody, George M., and Morgan, Michael E., 4,870,167, Cl. 536-114.000.
- Hiab Foco AB: *See—*
  - Badia, Jose M., 4,878,418, Cl. 91-421.000.
- Hiai, Atsuhiko; Wakimura, Kazuo; Tanaka, Masao; and Tanaka, Takao, to Mitsui Toatsu Chemicals, Inc. Method for preparing aluminum nitride and its sinter. 4,869,925, 9-26-89, Cl. 427-96.000.
- Hiatt, Sidney A.: *See—*
  - Wells, Thomas J.; Serafini, Angelo; Hiatt, Sidney A.; and Zapletal, Henry, 4,862,532, Cl. 5-247.000.
- Hiatt, William R.; Sheehy, Raymond E.; Shewmaker, Christine K.; Kridl, Jean C.; and Knauf, Vic, to Calgene, Inc. PG gene and its use in plants. 4,801,540, 1-31-89, Cl. 435-172.300.
- Hibbard, Billy B.; Mann, Joe A.; Koeleveld, Frans P. P.; Potepan, Agnes K.; White, Richard E.; Knight, Barry T.; and Bryant, Howard H., to BASF Corporation. Method of making reinforced materials having improved reinforcing material therein. 4,837,281, 6-6-89, Cl. 525-234.000.
- Hibbard, Billy B.; Mann, Joe A.; and Koeleveld, Frans P. P., to BASF Corporation. Method of making reinforced materials having an improved reinforcing material therein. 4,866,109, 9-12-89, Cl. 524-5.000.
- Hibbard, Billy B.: *See—*
  - Rush, Hughey A.; Hibbard, Billy B.; Pursoo, Johnson L.; Lindsay, John W.; Smith, Thomas E.; Harper, Kenneth; Tullos, Michael V.; and Davis, James E., 4,886,706, Cl. 428-288.000.
- Hibbard, Bruce A., to H-Tech, Inc. Strap on drill paraphernalia holding system (DPHS). 4,797,040, 1-10-89, Cl. 408-241.00R.
- Hibbert, Clive O.: *See—*
  - Waddington, Brian; and Hibbert, Clive O., 4,813,748, Cl. 299-43.000.
- Hibbert, David A.; Richards, Anthony L.; Zuffelato, Dennis C.; Turmelle, Conrad R.; and Larkin, Harold F., to General Electric Company. Thermally efficient power busway housing. 4,804,804, 2-14-89, Cl. 174-16.200.
- Hibbert, David A.: *See—*
  - Anderson, John D.; Harton, Lynn M.; and Hibbert, David A., 4,820,178, Cl. 439-212.000.
  - Beberman, Julie A.; Goldman, Ira B.; Larkin, Harold F.; and Hibbert, David A., 4,842,533, Cl. 439-213.000.
  - Larkin, Harold F.; Hibbert, David A.; Beberman, Julie A.; and Walker, Clarence W., 4,849,581, Cl. 174-88.00B.
- Hibble, William R.: *See—*
  - Kendig, John R.; Hibble, William R.; and Kiedrowski, James A., 4,803,413, Cl. 318-648.000.
- Hibert, Marcel; and Gittos, Maurice W., to Merrell Dow Pharmaceuticals Inc. Aromatic 2-aminoalkyl-1,2-benzoisothiazol-3(2H)-one-1,1-dioxide. 4,857,526, 8-15-89, Cl. 514-230.500.
- Hibi, Masayuki: *See—*
  - Funahashi, Yoshiki; and Hibi, Masayuki, 4,848,756, Cl. 267-140.100.
- Hibi, Tadaaki; Sugiura, Miyoji; Kano, Hiromi; Kimura, Sigeyuki; and Kazami, Takeshi, to Ntl. Inst. of Agrobiological Resources; and Nihon Bunko Kogyo Kabushiki Kaisha. Flow chamber and electro-manipulator incorporating same. 4,800,163, 1-24-89, Cl. 435-287.000.
- Hibi, Takashi: *See—*
  - Kishino, Kazuo; Tanaka, Takao; Shigenobu, Michio; Hirabayashi, Hiromitsu; Hibi, Takashi; and Kusaka, Kensaku, 4,823,689, Cl. 100-155.00R.
- Hibino, Chitoshi; Arimoto, Atsushi; and Yoshihara, Kenji, to Victor Company of Japan, Ltd. Picture producing apparatus. 4,853,876, 8-1-89, Cl. 64-518.000.
- Hibino, Eiichi; Kawakita, Kiyoshi; Yamamoto, Takami; Kinoshita, Kazunori; and Takase, Shigeki, to Murata Manufacturing Co., Ltd. High frequency apparatus chassis and circuit board construction. 4,841,414, 6-20-89, Cl. 361-424.000.
- Hibino, Hiroki; Kimura, Kenji; and Eino, Teruo, to Olympus Optical, Co., Ltd. Endoscope signal processing apparatus using sequential and synchronous imaging devices. 4,853,773, 8-1-89, Cl. 358-98.000.
- Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, to Olympus Optical Co., Ltd. Endoscope imaging system for use with multiple color imaging systems. 4,855,819, 8-8-89, Cl. 358-98.000.
- Hibino, Hiroki; Nishikori, Toshiaki; and Kumura, Kenji, to Olympus Optical Co., Ltd. Control apparatus for use with different types of endoscopes. 4,860,094, 8-22-89, Cl. 358-98.000.
- Hibino, Hiroki; and Kimura, Kenji, to Olympus Optical Co., Ltd. Optical endoscope having image signal transmitting cable. 4,866,516, 9-12-89, Cl. 358-98.000.
- Hibino, Hiroki: *See—*
  - Ikuno, Yuji; and Hibino, Hiroki, 4,870,488, Cl. 358-98.000.
  - Kanehira, Katsuyuki; Takayama, Syuichi; Amano, Atsushi; Hibino, Hiroki; Uchiyama, Naoki; and Nakada, Akio, 4,872,458, Cl. 128-401.000.
  - Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikube, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
  - Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.
  - Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenchi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hiraoka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
  - Tanikawa, Kowji; Kato, Tadashi; Kanno, Masahide; Yashima, Hiroyuki; Matsueda, Akira; Rokuan, Takao; Harada, Hisayuki; Hirosawa, Isao; and Hibino, Hiroki, 4,802,018, Cl. 358-335.000.
  - Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.
- Hibino, Ikukazu; and Takahashi, Yoshinobu, to Toyota Jidosha Kabushiki Kaisha. Method for electrodeposition coating. 4,824,534, 4-25-89, Cl. 204-180.200.
- Hibino, Ikukazu: *See—*
  - Takahashi, Yoshinobu; Hibino, Ikukazu; Mori, Takanobu; and Ogata, Kentaro, 4,844,783, Cl. 204-180.200.
- Hibino, Junichi; and Ando, Eiji, to Director General, Agency of Industrial Science and Technology. Certain photochromic fulgide compounds and method for their synthesis. 4,803,287, 2-7-89, Cl. 549-252.000.
- Hibino, Junichi; and Ando, Eiji, to Director General, Agency of Industrial Science and Technology. Optical recording medium and process for producing the same. 4,845,240, 7-4-89, Cl. 549-252.000.
- Hibino, Masahiro, to Mitsubishi Denki Kabushiki Kaisha. Sound field producing apparatus. 4,815,133, 3-21-89, Cl. 381-24.000.
- Hibino, Masahiro: *See—*
  - Shimotani, Mitsuo; Hibino, Masahiro; and Shima, Kenji, 4,833,714, Cl. 381-47.000.
- Hibino, Masaru: *See—*
  - Chino, Yoshiharu; Wakita, Nobuaki; Hibino, Masaru; Ikeya, Taro; Kanesaka, Toshiro; and Takeuchi, Kazuo, 4,825,825, Cl. 123-195.00C.
- Hibino, Noburo: *See—*
  - Inaba, Hiroo; Ushimaru, Akira; Yamamoto, Nobuyuki; Hibino, Noburo; and Iwamoto, Kenzo, 4,861,674, Cl. 428-480.000.
- Hibino, Soukichi: *See—*
  - Suzuki, Shinichi; Hibino, Soukichi; Hamaoka, Takahiro; and Ota, Masaki, 4,880,356, Cl. 417-53.000.
- Hibino, Toshiro; and Inoue, Yoshihiro, to Nintendo Co., Ltd. Adapter of a cartridge for gaming machine. 4,844,465, 7-4-89, Cl. 273-148.00B.
- Hibino, Yoshitaka; and Ikura, Hiroshi, to Honda Giken Kogyo Kabushiki Kaisha. Clutch operation control system for fluid torque converter of vehicular transmission. 4,795,015, 1-3-89, Cl. 192-0.076.
- Hibino, Yoshitaka; Fukuzawa, Takeshi; Sato, Hiromitsu; Asakura, Masahiko; and Totsune, Atsushi, to Honda Giken Kogyo Kabushiki Kaisha. Apparatus for detecting a neutral state of a transmission gear of a vehicle engine system. 4,803,898, 2-14-89, Cl. 74-860.000.
- Hibino, Yoshitaka, to Honda Giken Kogyo Kabushiki Kaisha. Air-fuel ratio feedback control method for internal combustion engines. 4,878,472, 11-7-89, Cl. 123-489.000.
- Hibler, Donald R.; and Malcolm, Eddie R., to Fike Corporation. Hygienic pressure relief panel unit. 4,821,909, 4-18-89, Cl. 220-207.000.
- Hibner, David H.: *See—*
  - Barbic, John R.; Nichol, Kurt L.; Hibner, David H.; and Smith, David R., 4,867,655, Cl. 417-437.000.
- Hibshman Corporation: *See—*
  - Wong, Jacob Y.; and Schoennauer, Lawrence J., 4,795,240, Cl. 350-353.000.
- Hibst, Hartmut: *See—*
  - Werner, Arend; Hibst, Hartmut; and Barzynski, Helmut, 4,830,46 Cl. 350-321.000.
- Hibyan, Edward S., to United Technologies Corporation. Preloaded tunable elastomeric flapping hinge bearing and method of preloading. 4,859,148, 8-22-89, Cl. 416-134.00A.
- Hick, Hargreaves & Company Limited: *See—*
  - Mangnall, Keith, 4,853,006, Cl. 55-185.000.
- Hicke, Gerald E. Air conditioning method and apparatus for refrigerated vehicles. 4,879,877, 11-14-89, Cl. 62-89.000.
- Hickel, Sigrun; and Franke, Wolfgang, to Braun Aktiengesellschaft. Kitchen apparatus for preparing food. 4,799,626, 1-24-89, Cl. 241-37.500.

- Hickel, Sigrun: *See—*
  - Kullen, Albrecht; Klawuhn, Manfred; Hickel, Sigrun; and Franke, Wolfgang, 4,842,416, Cl. 366-314.000.
- Hickey, David J. Poultry tray liner. 4,832,228, 5-23-89, Cl. 220-408.000.
- Hickey, Donald D. Push-pull exercise device. 4,865,317, 9-12-89, Cl. 272-141.000.
- Hickey, John. System for controlling the flow of a fluid medium relative to an object. 4,872,484, 10-10-89, Cl. 137-561.00R.
- Hickey, Karlton J., Jr.; and Morrison, Roger A., to Mobil Oil Corporation. Hydrocracking naphthas using mildly steamed, noble metal-containing zeolite beta. 4,812,223, 3-14-89, Cl. 208-111.000.
- Hickey, Thomas B., to OCLC Online Computer Library Center Incorporated. System and method for creating memory-retained, formatted pages of text, tabulation, and graphic data. 4,803,643, 2-7-89, Cl. 364-523.000.
- Hickham, I. Wilburn, Jr., to I.W.H. Co., Inc. Outboard motor steering lubrication. 4,815,994, 3-28-89, Cl. 440-62.000.
- Hickley, Pieter; and Claassen, Cornelius J. Cooling process and apparatus. 4,854,129, 8-8-89, Cl. 62-304.000.
- Hickling, J. Gordon: *See—*
  - Gaudreau, Paul D.; Hickling, J. Gordon; and Schachter, Howard E., 4,860,460, Cl. 34-26.000.
- Hickling, Ronald M., to Gigabit Logic, Inc. Phase locked loop clock synchronizer and signal detector. 4,837,781, 6-6-89, Cl. 375-81.000.
- Hickman, Allen G. Walking trainer. 4,807,870, 2-28-89, Cl. 272-70.300.
- Hickman, Clarence J., to Teledyne Industries, Inc. Oral hygiene appliances. 4,824,368, 4-25-89, Cl. 433-80.000.
- Hickman, Dennis W.: *See—*
  - Manz, Kenneth W.; Shirley, Roger D.; Parks, Richard D.; and Hickman, Dennis W., 4,805,416, Cl. 62-292.000.
- Hickman, James A. A. Glazing unit alarm system. 4,878,044, 10-31-89, Cl. 340-550.000.
- Hickman, Mark S., to Hewlett-Packard Company. Printing media sleeve. 4,810,544, 3-7-89, Cl. 428-40.000.
- Hickman, O'Neal. Body air dryer. 4,871,900, 10-3-89, Cl. 219-366.000.
- Hickman, Robert D., to H&F Enterprises. Golf putting teaching aid. 4,805,912, 2-21-89, Cl. 273-176.0FB.
- Hickman, Ronald P., to Tekron Licensing BV. Workbench vises. 4,858,902, 8-22-89, Cl. 269-88.000.
- Hickman, William C.: *See—*
  - Schick, Martin F.; Hickman, William C.; Clark, Gary T.; and Stockl, Rebecca R., 4,847,316, Cl. 524-88.000.
- Hickmann, Gerd; and Pfalzgraf, Manfred, to VDO Adolf Schindling AG. Arrangement for an automotive vehicle particularly a linkage system. 4,848,297, 7-18-89, Cl. 123-342.000.
- Hickner, Richard A.: *See—*
  - Anderson, Kenneth W.; and Hickner, Richard A., 4,853,575, Cl. 204-181.700.
  - Hoffman, Dwight K.; Harris, Robert F.; and Hickner, Richard A., 4,798,877, Cl. 525-531.000.
  - McIntyre, John M.; Hickner, Richard A.; and Rao, Nancy A., 4,829,104, Cl. 523-403.000.
  - McIntyre, John M.; Anderson, Kenneth W.; Rao, Nancy A.; and Hickner, Richard A., 4,872,961, Cl. 204-181.700.
  - Rao, Nancy A.; and Hickner, Richard A., 4,868,230, Cl. 523-403.000.
  - Rao, Nancy A.; and Hickner, Richard A., 4,883,572, Cl. 204-181.00F.
- Hickok, Doyle. Hydraulic valve. 4,848,404, 7-18-89, Cl. 137-625.640.
- Hickory Specialties, Inc.: *See—*
  - Crace, R. Joseph, 4,857,074, Cl. 44-540.000.
- Hickox, Robert E.; and Edwards, William R., III, to Burr-Brown Corporation. Integrated circuit reference diode and fabrication method therefor. 4,833,509, 5-23-89, Cl. 357-13.000.
- Hicks, Alfonza. Three-dimensional instructional device for teaching physical properties and relationships between basic elements. 4,830,197, 3-7-89, Cl. 434-281.000.
- Hicks, Bruce W.: *See—*
  - Mason, John Y.; Hicks, Bruce W.; and English, Donald C., 4,889,654, Cl. 252-100.000.
- Hicks, Carroll E. Precision self-actuated woodworking tool. 4,829,673, 5-16-89, Cl. 30-167.000.
- Hicks, Darrell D.: *See—*
  - Keene, Donna L.; and Hicks, Darrell D., 4,872,960, Cl. 204-181.700.
  - Keene, Donna L.; and Hicks, Darrell D., 4,877,502, Cl. 204-181.700.
- Hicks, David B.: *See—*
  - Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., 4,810,350, Cl. 204-412.000.
  - Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., 4,810,529, Cl. 427-123.000.
- Hicks, Gary D., to Way Construction, Inc. Temporary support surfaces for use on muddy or marshy land areas. 4,875,800, 10-24-89, Cl. 404-35.000.
- Hicks, Gregory F., to Northern Telecom Limited. Circuit and method for monitoring the quality of data in a data stream. 4,800,562, 1-24-89, Cl. 371-5.000.
- Hicks, James W., to J. W. Hicks, Inc. Apparatus and method for attachment of submerged nozzle to lower plate of sliding gate valve mechanism for a continuous casting operation. 4,887,748, 12-19-89, Cl. 222-606.000.
- Hicks, John R.: *See—*
  - Meilandt, Peter; and Hicks, John R., 4,823,280, Cl. 364-514.000.
- Hicks, John W. Fiber laser sensor. 4,886,333, 12-12-89, Cl. 350-96.150.
- Hicks, John W., Jr., to Polaroid Corporation. Single mode optical fiber. 4,822,136, 4-18-89, Cl. 350-96.340.
- Hicks, John W., Jr., to Sahagen, Peter D. Electronic camera tube utilizing an array of charge storage cells for image storage and tunneling devices for readout. 4,827,346, 5-2-89, Cl. 358-217.000.
- Hicks, John W., Jr., to Sahagen, Peter D. Electronic still camera tube. 4,837,631, 6-6-89, Cl. 358-217.000.
- Hicks, Kevin B.: *See—*
  - Sapers, Gerald M.; Hicks, Kevin B.; and Seib, Paul A., 4,814,192, Cl. 426-268.000.
- Hicks, Kevin J. Apparatus for depositing viscous material onto a conveyor. 4,850,845, 7-25-89, Cl. 425-289.000.
- Hicks, Mark: *See—*
  - Heberling, James R.; Hicks, Mark; and Watts, Nancy, 4,540,286, Cl. 220-306.000.
- Hicks, Marvin R.: *See—*
  - Sadri, Shahriar M.; and Hicks, Marvin R., 4,846,611, Cl. 411-43.000.
- Hicks, Ray. Automated photographic apparatus. 4,862,200, 8-29-89, Cl. 354-75.000.
- Hicks, Roy L.: *See—*
  - Gardner, Gary L., Sr.; Pimlott, John R.; Dang, Hiep D.; and Hicks, Roy L., 4,846,952, Cl. 204-279.000.
- Hicks, T. Lawrence; Givens, Guy M.; Brinton, Robert J.; and Grundhauser, Donald J., to Video Graphic Styling, Inc. Method for displaying selected hairstyles in video form. 4,872,056, 10-3-89, Cl. 358-183.000.
- Hicks, Ted: *See—*
  - Murphy, Jimmy D.; and Hicks, Ted, 4,856,568, Cl. 141-337.000.
- Hicks, W. Glen. Apparatus for varying a vehicle wheelbase. 4,865,341, 9-12-89, Cl. 280-149.200.
- Hicks, Weldon R. Electrically operated fluid control valve. 4,836,234, 6-6-89, Cl. 137-596.170.
- Hickson, Donald N.; Todd, Gerald W.; and Seskus, Edward A. Golf ball dispenser and tee apparatus. 4,817,955, 4-4-89, Cl. 273-201.000.
- Hickson, Jerome B., Jr.: *See—*
  - Dunham, Bradford; Hickson, Jerome B., Jr.; and Lewitan, Hirsh, 4,831,725, Cl. 29-847.000.
- Hida, Hikaru, to NEC Corporation. Heterojunction field-effect device. 4,807,001, 2-21-89, Cl. 357-22.000.
- Hida, Hikaru: *See—*
  - Ohata, Keiichi; Hida, Hikaru; and Ogawa, Masaki, 4,839,703, Cl. 357-22.000.
- Hida, Kyoji: *See—*
  - Sekimoto, Isao; Mihara, Isoroku; Ueda, Shigeo; Yasui, Shinichi; Wakaoka, Shunso; and Hida, Kyoji, 4,805,299, Cl. 29-796.000.
- Hida, Toshiharu: *See—*
  - Ishii, Shiro; Kubota, Hachiro; Hida, Toshiharu; and Migita, Junichiro, 4,807,530, Cl. 102-333.000.
- Hida, Tsuneo; Takizawa, Sumio; Ishii, Hakumi; Kegasa, Hideo; and Izawa, Minoru, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Apparatus for controlling attitude of vehicle mounted device. 4,881,020, 11-14-89, Cl. 318-626.000.
- Hida, Yoshiaki; Ishihara, Satoshi; Take, Seiji; Gogami, Masao; and Suzuki, Toshiyuki, to Dai Nippon Insatsu Kabushika Kaisha. IC card. 4,841,134, 6-20-89, Cl. 235-488.000.
- Hida, Yoshinori; and Kozakai, Shohei, to Shin-Etsu Chemical Co., Ltd. Ultraviolet-curable organopolysiloxane composition. 4,810,731, 3-7-89, Cl. 522-33.000.
- Hida, Yoshinori; and Katayama, Seizi, to Shin-Etsu Chemical Co., Ltd. Ultraviolet-curable gel composition. 4,886,841, 12-12-89, Cl. 522-99.000.
- Hida, Yukio: *See—*
  - Honma, Masahiro; Maruyama Tokuji; Okada, Masashi; and Hida, Yukio, 4,877,941, Cl. 219-130.210.
- Hidada, Norio; and Hirachi, Yasutake, to Fujitsu Limited. Package for integrated circuit. 4,881,116, 11-14-89, Cl. 357-74.000.
- Hidaka, Hideto; Fujishima, Kazuyasu; Ozaki, Hideyuki; and Hirayama, Kazutoshi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device performing multi-bit serial operation. 4,835,743, 5-30-89, Cl. 365-193.000.
- Hidaka, Hideto; Fujishima, Kazuyasu; and Matsuda, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Variable word length circuit of semiconductor memory. 4,890,261, 12-26-89, Cl. 365-73.000.
- Hidaka, Hideto: *See—*
  - Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.
  - Hirayama, Kazutoshi; Ozaki, Hideyuki; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,833,650, Cl. 365-225.700.
  - Konishi, Yasuhiro; Fujishima, Kazuyasu; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; and Dosaka, Katsumi, 4,809,230, Cl. 365-189.000.
  - Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.
  - Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.
  - Ozaki, Hideyuki; Hirayama, Kazutoshi; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,808,844, Cl. 307-243.000.
  - Suwa, Makoto; and Hidaka, Hideto, 4,833,654, Cl. 365-210.000.

Hidaka, Hiroshi: *See—*

Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, Hiroshi; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubota, Hayato, 4,795,569, Cl. 210-770.000.

Hidaka, Hiroyoshi; and Morikawa, Anri to Asahi Kasei Kogyo Kabushiki Kaisha. Isoquinoline derivatives. 4,798,897, 1-17-89, Cl. 546-139.000.

Hidaka, Osafumi; Sakai, Tomoki; and Sakano, Toyoaki, to Teijin Limited. Sustained release pharmaceutical plaster. 4,801,458, 1-31-89, Cl. 424-443.000.

Hidaka, Shinobu; Miwa, Katsumi; and Higashi, Masato, to Minolta Camera Kabushiki Kaisha. Scanning type image reading apparatus. 4,862,512, 8-29-89, Cl. 382-58.000.

Hidaka, Takayoshi: *See—*

Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.

Hidaka, Terufumi: *See—*

Morita, Tatsuo; Hidaka, Terufumi; and Kashimura, Yuichi, 4,819,603, Cl. 123-425.000.

Hidaka, Toshio; and Mizuno, Tetsuo, to Mitsubishi Gas Chemical Company, Inc. Process for producing a polyglycidylamino compound. 4,871,867, 10-3-89, Cl. 549-514.000.

Hidaka, Yoshiaki, to Nihon Radiator Co., Ltd. Cooling system in motor vehicle. 4,870,828, 10-3-89, Cl. 62-7.000.

Hidaka, Yusuke: *See—*

Hosoi, Masaaki; Nishioka, Ryo; Hioki, Yoshio; Iida, Yoshiaki; Takeshita, Hiroshi; Niiyama, Kenji; and Hidaka, Yusuke, 4,859,353, Cl. 514-212.000.

Hidalgo, Orlando L.: *See—*

Fuentes, Gabriel S. F.; and Hidalgo, Orlando L., 4,805,339, Cl. 43-42.310.

Hidalgo, Rafael: *See—*

Rammler, Roland; Weiss, Hans-Jurgen; Herbertz, Hans-Adolf; Solari, Rodolfo B.; and Hidalgo, Rafael, 4,859,284, Cl. 201-12.000.

Hidalgo, Rafael O.: *See—*

Velasco R, Leon E.; Hidalgo, Rafael O.; Rodriguez, Joaquin; and Garcia, Wolfgang, 4,795,548, Cl. 208-131.000.

Hidano, Kengo; and Amano, Susumu, to Nippon Thompson Co., Ltd. Roller cage assembly for use in a bearing. 4,797,015, 1-10-89, Cl. 384-580.000.

Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Insecticidal composition comprising more than one active ingredient. 4,845,126, 7-4-89, Cl. 514-521.000.

Hidasi, Gyorgy: *See—*

Balogh, Gyula; Boros nee Gundar, Iren; Gajary, Antal; Hidasi, Gyorgy; Rappi, Andras; Rakoczi, Jozsef; Soos, Rudolf; Szekely, Istvan; and Zoltan, Sandor, 4,843,174, Cl. 562-506.000.

Hidata, Masato. Welding method and apparatus. 4,845,333, 7-4-89, Cl. 219-117.100.

Hidawa, Yoshiyuki, to Yoshiyuki Corporation. Apparatus for producing cast products. 4,802,839, 2-7-89, Cl. 425-439.000.

Hidding, Daniel P. Tamper evident cover. 4,821,913, 4-18-89, Cl. 220-270.000.

Hide, Ichiro: *See—*

Yokoyama, Takashi; Hide, Ichiro; Sawaya, Keiji; and Matsuyama, Takeshi, 4,820,145, Cl. 425-425.000.

Hidejima, Yasuhiro: *See—*

Kondo, Yoshiyuki; Sahara, Hiroshi; and Hidejima Yasuhiro, 4,835,604, Cl. 358-86.000.

Hidemitsu, Akabane, Seiichi, Hoshino; Yasuji, Tamura; and Toshimi, Isobe, to Sanden Corporation. Control device for automotive air conditioning system. 4,815,658, 3-28-89, Cl. 237-2.00A.

Hideo, Suzuki, to Yamaha Corporation. Musical tone producing device of waveshape memory readout. 4,843,938, 7-4-89, Cl. 84-1.190.

Hideo, Tago: *See—*

Katsuhiko, Kobayashi; Takashi, Shioiri; and Hideo, Tago, 4,804,262, Cl. 351-226.000.

Hider, Robert C.; Kontoghiorghes, George; and Stockham, Michael I., to National Research Development Corporation. Pharmaceutical compositions. 4,834,983, 5-30-89, Cl. 424-463.000.

Hider, Robert C.; Kontoghiorghes, George; and Silver, Jack, to National Research Development Corporation. Novel 3-hydroxypyrid-2-ones and 3-hydroxyprid-4-ones useful in treating patients having a toxic concentration of iron. 4,840,958, 6-20-89, Cl. 514-348.000.

Hider, Robert C.; Kontoghiorghes, George; and Stockham, Michael A., to National Research Corporation. Pharmaceutical compositions. 4,861,767, 8-29-89, Cl. 514-184.000.

Hider, Robert C.; Kontoghiorghes, George; Silver, Jack; and Stockham, Michael A., to National Research Development Corporation. Pharmaceutical compositions. 4,863,913, 9-5-89, Cl. 514-188.000.

Hider, Robert C.; and Huehns, Ernst R., to National Research Development Corporation. Treatment of sickle cell disease. 4,866,052, 9-12-89, Cl. 514-184.000.

Hideshima, Masayuki, to Tokyo Kogaku Kikai Kabushiki Kaisha. Tonometer. 4,799,489, 1-24-89, Cl. 128-648.000.

Hideshima. Masayuki: *See—*

Sekine, Akihiko; Wada, Shinji; Yokokura, Takashi; Nunokawa, Kazuo; and Hideshima, Masayuki, 4,854,691, Cl. 351-221.000.

Hideshima, Takahiro, to Fuji Photo Film Co., Ltd. Method of and device for detecting focusing condition of image incident upon image sensor. 4,887,125, 12-12-89, Cl. 355-55.000.

Hidetoshi, Oka: *See—*

Kaoru, Sakurai; Harunori, Murakami; Toshio, Torii; and Hidetoshi, Oka, 4,864,316, Cl. 343-704.000.

Hidrotronic Watercleaning Systems, Ltd.: *See—*

Miller, George, 4,802,991, Cl. 210-705.000.

Hidvegy, Eva: *See—*

Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, 4,828,617, Cl. 106-14.340.

Hieber, Hartmann; and Thews, Wolfgang, to U.S. Philips Corporation. Method of manufacturing an electrically conductive adhesive bond. 4,817,277, 4-4-89, Cl. 29-832.000.

Hieber, Hartmann, to U.S. Philips Corporation. Method of applying small drop-shaped quantities of melted solder from a nozzle to surfaces to be wetted and device for carrying out the method. 4,828,886, 5-9-89, Cl. 427-422.000.

Hieber, Konrad, to Siemens Aktiengesellschaft. Method for monitoring etching processes. 4,810,335, 3-7-89, Cl. 204-192.330.

Hiebert, Richard D.: *See—*

Salzman, Gary C.; Gregg, Charles T.; Grace, W. Kevin; and Hiebert, Richard D., 4,884,886, Cl. 356-367.000.

Hieble, Franz: *See—*

Vockensperger, Hubert; Hieble, Franz; and Gebbhardt, Robert, 4,805,534, Cl. 102-489.000.

Vockensperger, Hubert; Hieble, Franz; and Gebhardt, Robert, 4,807,534, Cl. 102-489.000.

Hieda, Kazuo: *See—*

Saito, Teruo; Hayashida, Haruo; and Hieda, Kazuo, 4,820,761, Cl. 524-456.000.

Tatsukami, Yoshiharu; Inoue, Masakazu; Asai, Kuniaki; and Hieda, Kazuo, 4,843,113, Cl. 524-425.000.

Hieda, Teruo, to Canon Kabushiki Kaisha. Image sensing apparatus. 4,811,086, 3-7-89, Cl. 358-29.000.

Hieda, Teruo, to Canon Kabushiki Kaisha. Signal processing apparatus with independent gain control for chrominance and color signals. 4,814,861, 3-21-89, Cl. 358-29.000.

Hieda, Teruo, to Canon Kabushiki Kaisha. Image pickup apparatus for producing an inhibited image signal. 4,833,538, 5-23-89, Cl. 358-182.000.

Hieda, Teruo; Kyuma, Kenji; Arai, Hideyuki; and Takei, Masahiro, to Canon Kabushiki Kaisha. Image pickup apparatus for selectively storing electrical signals. 4,845,568, 7-4-89, Cl. 358-213.310.

Hieda, Teruo, to Canon Kabushiki Kaisha. Color image signal processing circuit with white balance control and gain control. 4,860,092, 8-22-89, Cl. 358-29.000.

Hieda, Teruo, to Canon Kabushiki Kaisha. Signal processing apparatus with independent gain control for chrominance and color signals. 4,884,128, 11-28-89, Cl. 358-29.000.

Hieda, Teruo: *See—*

Hirano, Yoshiaki; and Hieda, Teruo, 4,857,996, Cl. 358-48.000.

Hieda, Yoshiro: *See—*

Minema, Ikumi; and Hieda, Yoshiro, 4,819,060, Cl. 358-29.000.

Hieftje, Gary M.; Honigs, David E.; and Hirschfeld, Thomas B., to Indiana University Foundation. Methods and devices for near-infrared evaluation of physical properties of samples. 4,800,279, 1-24-89, Cl. 250-339.000.

Hiejima, Kiyoshi; Uehashi, Hiroyuki; Kishitani, Yoriko; and Kojima Toshitada, to Sanyo Electric Co., Ltd. Electronically controlled cooking apparatus for controlling heating of food using a humidity sensor. 4,864,088, 9-5-89, Cl. 219-10.55B.

Hiemstra, Lourens A. V., to Silkbell Limited. Flow regulating device. 4,856,552, 8-15-89, Cl. 137-497.000.

Hiepe, Falk: *See—*

Schossler, Werner; Boeden, Hans-Friedrich; Holtzhauer, Martin; Loth, Fritz; Hiepe, Falk; Bertram, Dieter; Mielke, Frank; Muller, Reinhard; and Konjuchowa, Dagmar, 4,822,681, Cl. 428-405.000.

Hierath & Andrews Corp.: *See—*

Andrews, James S.; and Cooper, Daniel, 4,843,579, Cl. 364-567.000.

Hiereth, Hermann; and Messerschmidt, Dieter, to Daimler-Benz Aktiengesellschaft. Process for the load-dependent control of a hydraulic drive for a compressor arranged at an internal-combustion engine. 4,803,969, 2-14-89, Cl. 123-561.000.

Hierons, Kerry, to Molins Machine Co., Inc. Conveying rod-like articles. 4,830,176, 5-16-89, Cl. 198-502.200.

Hierons, Kerry: *See—*

Carter, David C. M.; and Hierons, Kerry, 4,865,179, Cl. 198-347.000.

Hiesbock, Heinz G.; and Bartl, Karl, to Karl Neumayer, Erzeugung und Vertrieb von Kabeln, Drahten, Isolierten Leitungen und Elektromaterial Gesellschaft m.b.H. Tin-lead alloy coated material. 4,824,737, 4-25-89, Cl. 428-643.000.

Hieshima, Howard: *See—*

Ono, Harry; Hieshima, Howard; and Meixner, Robert, 4,832,346, Cl. 228-1.100.

Hiesinger, Reinhard; and Tobler, Werner, to Novoflex Fotogeratebau Karl Muller, Firma. Objective for photographic cameras. 4,831,396, 5-16-89, Cl. 354-195.100.

Hiestand, Everett N.; and Balog, Stephen, to Upjohn Company, The. Hardness impact tester. 4,885,933, 12-12-89, Cl. 73-79.000.

Hiestand, Everett N.: *See—*

Balog, Stephen; and Hiestand, Everett N., 4,880,373, Cl. 425-149.000.

Hietala, Alexander W.; and Muterspaugh, Max W., to RCA Licensing Corporation. Unitary tuning structure. 4,851,798, 7-25-89, Cl. 334-66.000.

Hietala, Alexander W.; and Gillig, Steven F., to Motorola, Inc. Continuously adaptive phase locked loop synthesizer. 4,885,553, 12-5-89, Cl. 331-17.000.

Higa, Masakatsu: *See—*

Fujimura, Koh; Higa, Masakatsu; and Aoki, Hisashi, 4,836,654, Cl. 350-346.000.

Higa, Osamu; and Hirose, Syunichi, to Kabushiki Kaisha Toshiba. Power supply circuit with backup function. 4,795,914, 1-3-89, Cl. 307-64.000.

Higa, Tatsuo; Sakemi, Shinichi; and Cross, Sue S., to Harbor Branch Oceanographic Institution Inc. Antiviral compositions. 4,801,606, 1-31-89, Cl. 514-452.000.

Higa, Tatsuo; Sakemi, Shinichi; and Cross, Sue S., to Harbor Branch Oceanographic Institution, Inc. Antiviral, antitumor and antifungal compositions and their methods of use. 4,808,590, 2-28-89, Cl. 514-272.000.

Higa, Tatsuo; and Sakai, Ryuichi, to Harbor Branch Oceanographic Institution, Inc. Antiviral guanidine derivatives compositions and their methods of use. 4,851,441, 7-25-89, Cl. 514-551.000.

Higa, Tatsuo; Sakai, Ryuichi; and Lui, May S., to Harbor Branch Oceanographic Institution, Inc. Misakinolide compositions and their derivatives. 4,859,782, 8-22-89, Cl. 549-267.000.

Higa, Tatsuo; and Scheuer, Paul J., to Harbor Branch Oceanographic Institution, Inc. Antitumor cyclohexanone compositions and derivatives thereof. 4,882,445, 11-21-89, Cl. 549-546.000.

Higa, Teruo, to Saken Co., Ltd.; and Ryoko Co., Ltd. Method for treating water. 4,839,051, 6-13-89, Cl. 210-602.000.

Higaki, Hiroshi: *See—*

Okamoto, Isao; Terada, Katsuyuki; Go, Hiromi; Sebata, Michio; Higaki, Hiroshi; and Takai, Hideo, 4,802,418, Cl. 105-167.000.

Higaki, Masahiro: *See—*

Kato, Akio; Nakatani, Keiji; Wada, Kanji; Hashimoto, Kaoru; Nishimori, Kadotaro; and Higaki, Masahiro, 4,806,976, Cl. 355-7.000.

Higaki, Shigetoshi: *See—*

Saito, Suzuo; and Higaki, Shigetoshi, 4,819,121, Cl. 361-85.000.

Higaki, Yasuo, to Sapporo Alna Co., Ltd. System for drawing the open air indoors. 4,842,048, 6-27-89, Cl. 165-45.000.

Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, to Nisshin Oil Mills, Ltd., The; and Nippon Steel Corporation. Lubricating oil. 4,886,612, 12-12-89, Cl. 252-49.500.

Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, to Nisshin Oil Mills, Ltd., The; and Nippon Steel Corporation. Cold-rolling oils for steel plates. 4,889,648, 12-26-89, Cl. 252-49.500.

Higashi, Akio; and Shinada, Haruji, to Fuji Photo Film Co., Ltd. Solid-state imaging device with potential barriers between pixels. 4,796,072, 1-3-89, Cl. 357-30.000.

Higashi Fuji Manufacturing Co., Ltd.: *See—*

Tanaka, Toshio; and Sugai, Seiichi, 4,831,314, Cl. 318-484.000.

Higashi, Katsumi: *See—*

Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi, and Muramatsu, Keiji, 4,838,581, Cl. 285-47.000.

Oda, Noriyuki; Higashi, Katsumi; and Maeno, Hiroshi, 4,867,769, Cl. 55-302.000.

Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Muramatsu, Keiji, 4,875,712, Cl. 285-47.000.

Higashi, Kazuhiko, to Mitsubishi Denki Kabushiki Kaisha. Motor and motor device. 4,885,494, 12-5-89, Cl. 310-211.000.

Higashi, Kazumi; and Noda, Yuzuru, to Nitto Electric Industrial Co., Ltd. Colorless transparent polyimide shaped article and process for producing the same. 4,874,834, 10-17-89, Cl. 528-176.000.

Higashi, Kazumi; and Noda, Yuzuru, to Nitto Electric Industrial Co., Ltd. Colorless transparent polyimide shaped article and process for producing the same. 4,876,330, 10-24-89, Cl. 528-353.000.

Higashi, Kazumi; and Noda, Yuzuru, to Nitto Electric Industrial Co., Ltd. Polyimide film-forming polyamide acid solution. 4,880,895, 11-14-89, Cl. 528-173.000.

Higashi, Kazutada; Tokuda, Masamori; Nakano, Hiroshi; and Ohta, Tomozo, to Sharp Kabushiki Kaisha. Reflection type SSB modulator. 4,890,076, 12-26-89, Cl. 332-170.000.

Higashi, Kenji: *See—*

Ohno, Koichi; Higashi, Kenji; and Tateno, Hiroki, 4,803,524, Cl. 355-53.000.

Higashi, Koji: *See—*

Okada, Toyokazu; Higashi, Koji; and Taguchi, Satoshi, 4,802,745, Cl. 350-397.000.

Higashi, Masato, to Minolta Camera Kabushiki Kaisha. Laser imager. 4,870,450, 9-26-89, Cl. 355-27.000.

Higashi, Masato: *See—*

Hidaka, Shinobu; Miwa, Katsumi; and Higashi, Masato, 4,862,512, Cl. 382-58.000.

Higashi, Naoki; Sugimoto, Shunjiro; Tsujimoto, Masafumi; Shirasawa, Hounai; Okada, Tsutomu; Yamamoto, Kazumori; Nagabhushan, Tattanahalli L.; and Trotta, Paul P. Method for purifying an interferon. 4,828,990, 5-9-89, Cl. 435-68.000.

Higashi, Nobuaki; Nakajima, Nobuyoshi; and Tanaka, Hirosi, to Fuji Photo Film Co., Ltd. Frequency processing method and apparatus for radiation image. 4,845,762, 7-4-89, Cl. 382-6.000.

Higashi, Robert E., to Honeywell Inc. Flowmeter fluid composition correction. 4,885,938, 12-12-89, Cl. 73-204.180.

Higashi, Shigeyasu: *See—*

Maeno, Yorihiko; and Higashi, Shigeyasu, 4,890,054, Cl. 324-58.50A.

Higashi, Takao: *See—*

Tomita, Kenichi; Suetsugu, Masaru; Fukuda, Minoru; Higashi, Takao; and Koizumi, Norimichi, 4,829,187, Cl. 250-474.100.

Higashi, Tatsuji; Kawamura, Kouichi; and Abe, Yukio, to Fuji Photo Film Co., Ltd. Light-sensitive composition containing an unsaturated monomer and a photopolymerization initiator. 4,826,753, 5-2-89, Cl. 430-281.000.

Higashi, Tatsuji; and Kita, Nobuyuki, to Fuji Photo Film Co., Ltd. Process for preparing image-bearing plates. 4,877,719, 10-31-89, Cl. 430-326.000.

Higashi, Tatsuji: *See—*

Kawamma, Kouichi; Abe, Yukio; Higashi, Tatsuji; and Aotani, Yoshimasa, 4,837,128, Cl. 430-281.000.

Urabe, Yoshihiko; Higashi, Tatsuji; Takahashi, Hiroshi; and Kita, Nobuyuki, 4,874,686, Cl. 430-272.000.

Higashi, Toshikazu; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Multicolor copying apparatus. 4,862,216, 8-29-89, Cl. 355-218.000.

Higashi, Toshikazu: *See—*

Kinoshita, Naoyoshi; Higashi, Toshikazu; Matsuuchi, Yasuyuki; Hatta, Yoshihiko; and Ito, Masazumi, 4,866,474, Cl. 355-218.000.

Higashi, Yuitiro; Nakai, Junji; Kawabuchi, Hidenori; and Kato, Yasuhisa, to Ricoh Company, Ltd. Heat roll type arrangement for electrostatic recording apparatus. 4,843,214, 6-27-89, Cl. 219-216.000.

Higashida, Masahiko: *See—*

Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Higashidani, Akira: *See—*

Ohkawa, Fujio; Higashidani, Akira; and Maeda, Hiroyuki, 4,854,555, Cl. 267-64.240.

Higashide, Norihiko: *See—*

Masunaga, Hiroaki; Inoue, Hiroshi; Sakamoto, Masaaki; and Higashide, Norihiko, 4,863,340, Cl. 414-789.500.

Higashihara, Masaki: *See—*

Suda, Yasuo; Higashihara, Masaki; and Kadohara, Terutake, 4,855,777, Cl. 354-402.000.

Higashihara, Shinichiro; and Shinto, Terukazu, to Nihon Radiator Co., Ltd. Variable displacement wobble plate type compressor. 4,820,132, 4-11-89, Cl. 417-222.000.

Higashihata, Yoshihide: *See—*

Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.

Higashii, Takayuki: *See—*

Kondo, Michitada; Minai, Masayoshi; Kai, Seiichi; Higashii, Takayuki; and Ueda, Yuji, 4,812,585, Cl. 549-483.000.

Higashiizumi, Takao: *See—*

Sano, Shinichi; Takeuchi, Yasuhito; Tamezumi, Yoshiro; Higashiizumi, Takao; and Kakizawa, Tsuyoshi, 4,803,486, Cl. 340-825.790.

Takeuchi, Yasuhito; Higashiizumi, Takao; Akasaka, Hideya; Jibiki, Takao; and Sano, Shinichi, 4,817,617, Cl. 128-660.050.

Higashiji, Mitsuo: *See—*

Takenaka, Mitsuhiko; and Higashiji, Mitsuo, 4,886,153, Cl. 192-113.00A.

Higashikawa, Masahiro: *See—*

Kobayashi, Koichi; Shinomiya, Masaki; Kobayashi, Tsutomu; Higashikawa, Masahiro; and Ukegawa, Shin, 4,864,194, Cl. 315-248.000.

Higashimoto Kikai Co. Ltd.: *See—*

Higashimoto, Tsuyoshi, 4,864,922, Cl. 99-533.000.

Higashimoto, Tsuyoshi, 4,881,458, Cl. 99-533.000.

Higashimoto, Masayuki: *See—*

Kawano, Michiari; Higashimoto, Masayuki; Kashiwagi, Shigeo; Nakano, Jun; and Shimizu, Osamu, 4,833,519, Cl. 357-59.000.

Higashimoto, Tsuyoshi, to Higashimoto Kikai Co. Ltd. Raw meat processor. 4,864,922, 9-12-89, Cl. 99-533.000.

Higashimoto, Tsuyoshi, to Higashimoto Kikai Co., Ltd. Method of and apparatus for dispersing and distributing a pickle in raw meat. 4,881,458, 11-21-89, Cl. 99-533.000.

Higashinakagawa, Emiko; Inaba, Michihiko; Ohtake, Yasuhisa; and Kanto, Masaharu, to Kabushiki Kaisha Toshiba. Image display tube. 4,827,178, 5-2-89, Cl. 313-402.000.

Higashinakagawa, Emiko; Ohtake, Yasuhisa; Kanto, Masaharu; and Mori, Fumio, to Kabushiki Kaisha Toshiba. Shadow mask, and method of manufacturing the same. 4,846,747, 7-11-89, Cl. 445-47.000.

Higashino, Junichi: *See—*

Fujisawa, Hiromichi; Higashino, Junichi; and Hatakeyama, Atushi, 4,868,733, Cl. 364-200.000.

Miyatake, Takafumi; Matsushima, Hitoshi; Ohtani, Shigeko; and Higashino, Junichi, 4,803,477, Cl. 340-747.000.

Higashino, Kazuyuki: *See—*

Horiuchi, Ryo; Saito, Satoshi; Suzuki, Koichi; and Higashino, Kazuyuki, 4,856,163, Cl. 29-157.00C.

Higashino, Masahiko: *See—*

Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayamizu, Yutaka; Aizawa, Satoru; Higashino, Masahiko; and Shimoda, Ikuo, 4,805,359, Cl. 52-167.000.

Higashino, Shigenori: *See—*

Kataoka, Michio; and Higashino, Shigenori, 4,805,063, Cl. 361-16.000.

Higashino, Yasushi: *See—*

Ikeda, Kyoichi; Watanabe, Tetsuya; and Higashino, Yasushi, 4,841,775, Cl. 73-704.000.

Higashino, Yoshiaki: *See—*
Matsumoto, Susumu; Ohta, Hiroki; Yamada, Masahiro; Higashino, Yoshiaki; and Fukuchi, Toshiki, 4,877,804, Cl. 514-342.000.
Higashio, Kimihiko; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying machine with simul-color copy function and divisional copy function. 4,866,486, 9-12-89, Cl. 355-326.000.
Higashio, Kimihiko; and Nishimori, Kadotaro, to Minolta Camera Kabushiki Kaisha. Multicolor image forming apparatus. 4,885,611, 12-5-89, Cl. 355-245.000.
Higashio, Kimihiko: *See—*
Ito, Masazumi; and Higashio, Kimihiko, 4,811,053, Cl. 355-14.0CU.
Ito, Masazumi; Nishimori, Kadotaro; and Higashio, Kimihiko, 4,814,824, Cl. 355-14.00R.
Ito, Masazumi; and Higashio, Kimihiko, 4,849,789, Cl. 355-243.000.
Higashioka, Hiroshi: *See—*
Nakano, Akira; Higashioka, Hiroshi; Nomura, Masaki; Kawahara, Yoshiharu; Yamashita, Ko; Sano, Yoshito; and Kase, Minoru. 4,861,612, Cl. 426-607.000.
Higashionji, Masaru: *See—*
Satomi, Mitsuo; Kuroe, Akio; Sawai, Eisuke; Higashionji, Masaru; Sakakima, Hiroshi; and Kondo, Kenji, 4,841,401, Cl. 360-125.000.
Higashiyama, Mitsuo; Iwahashi, Naoto; Kunihiro, Takushi; and Nakai, Jun, to Sony Corporation. Radio communication method and system. 4,837,802, 6-6-89, Cl. 379-62.000.
Higashiyama, Seiichi: *See—*
Okushiro, Susumu; Ikegami, Eitaro; Higashiyama, Seiichi; and Miyaji, Hiroyuki, 4,831,073, Cl. 524-424.000.
Higashiyama, Shunichi, to Brother Kogyo Kabushiki Kaisha. Light-sensitive recording medium, cartridge encasing same, and image recording system therefor. 4,861,695, 8-29-89, Cl. 430-138.000.
Higashiyama, Shunichi, to Brother Kogyo Kabushiki Kaisha. Image recording system. 4,886,773, 12-12-89, Cl. 503-201.000.
Higashiyama, Shunichi: *See—*
Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, 4,864,356, Cl. 355-30.000.
Sakai, Jun; Suzuki, Koji; and Higashiyama, Shunichi, 4,865,938, Cl. 430-138.000.
Ueda, Masashi; and Higashiyama, Shunichi, 4,847,661, Cl. 355-27.000.
Higashiyama, Yasuhiko: *See—*
Asada, Toshiyuki; Ushijima, Fumihiro; and Higashiyama, Yasuhiko, 4,872,376, Cl. 74-765.000.
Higashizima, Kozo: *See—*
Inoue, Satoru; and Higashizima, Kozo, 4,814,187, Cl. 425-464.000.
Higbee, Robert W.: *See—*
Wendt, David W.; Higbee, Robert W.; Kemp, Alan E.; and Gisske, Ed, 4,835,843, Cl. 29-708.000.
Higbee, Wallace C., to TRW Vehicle Safety Systems Inc. Seat belt retractor with comfort mechanism. 4,830,310, 5-16-89, Cl. 242-107.700.
Higbee, Wallace C.; and Bauer, Barney J., to TRW Vehicle Safety Systems Inc. Seat belt retractor having a comfort mechanism with full memory and slack set. 4,840,324, 6-20-89, Cl. 242-107.600.
Higbee, Wallace C.: *See—*
Brown, Louis R.; and Higbee, Wallace C., 4,854,522, Cl. 242-107.700.
Higberg, Brian J.: *See—*
Mir, Jose M.; Agostinelli, John A.; Peterson, David L.; Paz-Pujalt, Gustavo R.; Higberg, Brian J.; and Rajeswaran, Gopalan, 4,880,770, Cl. 505-1.000.
Higbie, Francis A.; LieBerman, Robert A.; and Rose, Ira M., to Diamond Shamrock Chemicals Co. Radiation-hardenable diluents. 4,876,384, 10-24-89, Cl. 560-224.000.
Higby, Edwin A.; Meier, G. Weston; and Fife, Breck D., to Fife Meier, Inc. Neck roll apparatus and method. 4,870,705, 10-3-89, Cl. 2-2.000.
Higby, Jeffery P.; McElroy, Kennedy K., Jr.; Ferguson, Arthur R.; Bland, Gerald F.; Freitag, Michael W.; and Sullivan, Donald K., to Outboard Marine Corporation. Counter-rotation transmission. 4,850,910, 7-25-89, Cl. 440-75.000.
Higby, Jeffrey B.; McElroy, Kennedy K., Jr.; and Zorc, Philip A., to Outboard Marine Corporation. Marine propulsion device shift apparatus. 4,865,570, 9-12-89, Cl. 440-86.000.
Higby, Jeffrey P.; McElroy, Kennedy K.; and Zorc, Philip A., to Outboard Marine Corporation. Propeller shaft bearing housing retention system. 4,798,548, 1-17-89, Cl. 440-78.000.
Higby, Jeffrey P.: *See—*
McElroy, Kennedy K.; Higby, Jeffrey P.; and Zorc, Philip A., 4,820,212, Cl. 440-88.000.
McElroy, Kennedy K., Jr.; Higby, Jeffrey P.; and Zorc, Philip A., 4,861,295, Cl. 440-86.000.
Higer, Gary; and Mintz, Michael L. Emergency airway surgical device. 4,877,021, 10-31-89, Cl. 128-200.760.
Higeta, Kazuya: *See—*
Murakami, Koji; Higeta, Kazuya; and Touchi, Hachiro, 4,881,185, Cl. 364-557.000.
Higeta, Keiichi: *See—*
Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.
Higeta Shoyu Co., Ltd.: *See—*
Tamura, Jun ichi; and Takagi, Hiroaki, 4,837,313, Cl. 536-55 100.
Higginbotham, Clark A.; and West, Paul T., to DeSoto, Inc. Single coat fluorocarbon protective coatings providing the appearance of anodized aluminum. 4,795,777, 1-3-89, Cl. 524-441.000.
Higginbotham, Clark A.; Jasenof, Kenneth E.; and Smyrniotis, John, to DeSoto, Inc. Abrasion and corrosion resistant primer coatings. 4,835,018, 5-30-89, Cl. 427-380.000.
Higgins, Bob J., to Trans-Aire International, Inc. Vehicle window clamp ring structure and window comprising same. 4,834,447, 5-30-89, Cl. 296-201.000.
Higgins, Clifford A., II: *See—*
Hyun, David K.; Higgins, Clifford A., II; and Morgan, William H., 4,795,196, Cl. 283-67.000.
Higgins, Dale C. Vent system. 4,864,664, 9-12-89, Cl. 4-213.000.
Higgins, Daniel E.: *See—*
Scheller, Gregg D.; Gahn, Jerry S.; Higgins, Daniel E.; Wendt, Richard; Gibeltirra, James; and Ritter, J. Alan, 4,837,857, Cl. 455-617.000.
Higgins, Frank P.: *See—*
Amir, Israel; Balchunas, William C.; and Higgins, Frank P. 4,811,410, Cl. 382-8.000.
Higgins, George, to Pyrene Chemical Services Limited. Process and composition for conversion coating metal surfaces. 4,801,337, 1-31-89, Cl. 148-6.200.
Higgins, George D.: *See—*
McCain, William B.; and Higgins, George D., 4,875,669, Cl. 270-54.000.
Higgins, John B.; and von Ballmoos, Roland, to Mobil Oil Corporation. Use of poly-nuclear oxo-metalates in synthesis of crystalline oxides. 4,832,927, 5-23-89, Cl. 423-306.000.
Higgins, Kent R. Puller tool for multiple pin connectors. 4,817,274, 4-4-89, Cl. 29-764.000.
Higgins, Paul D. Retractable hose guide. 4,815,645, 3-28-89, Cl. 226-197.000.
Higgins, Peter M.: *See—*
Woods, Daniel E.; Gocht, Ronald E.; Higgins, Peter M.; Edwards, Anne M.; Rowlands, Hugh; Scanlon, Edward F.; and Putzer, Jerry, 4,813,077, Cl. 382-7.000.
Higgins, Raymond A.: *See—*
Westwood, Geoffrey W.; and Higgins, Raymond A., 4,848,443, Cl. 164-527.000.
Higgins, Ronald E., to Ron-Li Corporation. Universal animal collar. 4,811,695, 3-14-89, Cl. 119-106.000.
Higgins, Sheryl W., to Cordis Corporation. Catheter with coiled wire attachment. 4,875,481, 10-24-89, Cl. 128-344.000.
Higgins, William A., to Lubrizol Corporation, The. Acrylate polymer modified asphalt compositions. 4,833,184, 5-23-89, Cl. 524-60.000.
Higgins, William R., to ATR International, Inc. Method of mounting a bolt in lightweight panels 4,800,643, 1-31-89, Cl. 29-458.000.
Higgins, William R.: *See—*
Humphries, David R.; Fetterhoff, Donald C.; and Higgins, William R., 4,799,631, Cl. 244-118.500.
Higgins, Willis E.: *See—*
Vaughan, James C., 4,800,590, Cl. 380-25.000.
Higginson, John: *See—*
Bibl, Andreas; Higginson, John; and Gardner, Deane, 4,878,071, Cl. 346-153.100.
Higginson, John C.: *See—*
Hardcastle, David; Higginson, John C.; and Kennedy, John W., 4,820,270, Cl. 604-96.000.
Higgs, Jacob K.; and Gibson, Barbara L., to Sprague Electric Company. Proximity detector with integral magnet, pole-piece plate and pair of magnetic transducers. 4,859,941, 8-22-89, Cl. 324-208.000.
High, Jarald E.: *See—*
Smith, Donald P.; Plumb, William W.; and High, Jarald E. 4,831,238, Cl. 219-400.000.
Smith, Donald P.; Plumb, William W.; and High, Jarald E. 4,835,351, Cl. 219-10.55R.
High Pressure Gas Safety Institute of Japan, The: *See—*
Nakane, Shinichi; Uno, Takashi; Horii, Hiroshi; Kato, Shinzo; Namba, Mitsuo; and Uematsu, Reppei, 4,881,948, Cl. 48-192.000.
High Resolution Sciences, Inc: *See—*
Lentz, John T., 4,833,523, Cl. 358-17.000.
High-Tech Medical Instrumentation, Inc.: *See—*
Milbank, Miles C.; and Williams, Perry M., 4,858,001, Cl. 358-98.000.
High Temperature Engineering Corporation: *See—*
Lee, Chunghsin. 4,857,689, Cl. 219-10.710.
High Voltage Engineering Corporation: *See—*
Glaister, Frank J., 4,844,982, Cl. 428-421.000.
Tetreault, Joseph E., 4,795,366, Cl. 439-476.000.
High Voltage Graphics, Inc.: *See—*
Abrams, Louis B.; and Arzberger, Gerhard A., 4,810,549, Cl. 428-88.000.
High Yield Technology: *See—*
Borden, Peter; Szalai, Laszlo; and Munson, Jon, 4,804,853, Cl. 250-574.000.
Borden, Peter; and Munson, Jon, 4,825,094, Cl. 250-573.000.
Borden, Peter G., 4,812,664, Cl. 250-572.000.
Higham, Graham J., to Helix Technology Corporation. Linear drive motor with flexure bearing support. 4,798,054, 1-17-89, Cl. 62-6.000.
Higham, Graham J., to Helix Technology Corporation. Linear drive motor with improved dynamic absorber. 4,819,439, 4-11-89, Cl. 62-6.000.
Higham, Graham J.; Morris, Ronald N.; and Pruitt, Gerald R., to Helix Technology Corporation. Vibration isolation system for a linear reciprocating machine. 4,860,543, 8-29-89, Cl. 62-6.000.
Highe, Albert: *See—*
Reed, James P.; Masia, Michael; and Highe, Albert, 4,874,487, Cl. 204-147.000.

Highet, Robert: *See—*
Jones, Philip E.; and Highet, Robert, 4,879,856, Cl. 52-403.000.
Highfill, Louis A., to Monsanto Company. Moisturized compositions of hydrate-forming phosphates and methods for preparation thereof. 4,803,058, 2-7-89, Cl. 252-135.000.
Highfill, Louis A. Moisturized compositions of hydrate-forming phosphates and methods for preparation thereof. 4,853,144, 8-1-89, Cl. 252-135.000.
Highland Import Corporation: *See—*
Bianchini, William L.; and Duclos, Gary P., 4,852,275, Cl. 36-102.000.
Highland Industries, Inc.: *See—*
Davis, Delbert A.; and McGee, James N., Jr., 4,828,909, Cl. 428-253.000.
Highland Manufacturing and Sales Company: *See—*
Weder, Donald E.; and Weder, Erin H., 4,884,682, Cl. 206-83.500.
Highland Supply Corporation: *See—*
Weder, Donald E., 4,835,834, Cl. 29-525.000.
Highlight Industries, Inc.: *See—*
Riemenschneider, Paul K., III, 4,834,312, Cl. 242-96.000.
Hight, Michael D.; and Waugh, Margaret D. Pendant container for tablets and capsules. 4,866,952, 9-19-89, Cl. 63-18.000.
Hightech Receptor AB: *See—*
Bjorck, Lars; Erntell, Mats; and Myhre, Erling, 4,876,194, Cl. 435-68.000.
Highton, Frederick J.: *See—*
White, Robert L.; Highton, Frederick J.; Ito, Kazuo; and Miller, Gary L., 4,800,365, Cl. 341-119.000.
Hightower, Edwin C., to FMC Corporation. Heat exchanger for mobile aircraft deicing machine and method of use. 4,872,501, 10-10-89, Cl. 165-1.000.
Hightower, Scott A.: *See—*
Anderson, Frank E.; Gay, Christopher J.; Hightower, Scott A.; and Luton, Karen G., 4,888,600, Cl. 341-24.000.
Highwood Resources Ltd.: *See—*
Bulatovic, Srdjan, 4,853,113, Cl. 209-166.000.
Higley, Lin R.: *See—*
Kindler, Andrew; and Higley, Lin R., 4,865,930, Cl. 429-192.000.
Higman, Roger H.: *See—*
Heckaman, Douglas E.; Higman, Roger H.; Frisco, Jeffrey A.; and Bajgrowicz, Edward J., 4,851,793, Cl. 333-1.000.
Heckaman, Douglas E.; Perkins, Gilbert R.; and Higman, Roger H., 4,890,195, Cl. 361-386.000.
Hignett, Geoffrey J.; and MacKirdy, Iain S., to Interox Chemicals Limited. Process for the production of a peroxy compound. 4,801,407, 1-31-89, Cl. 260-502.00R.
Higo, Tsutomu: *See—*
Ohshita, Takahiro; Higo, Tsutomu; Kosugi, Shigeru; Inumaru, Naoki; and Kawaguchi, Hajime, 4,823,740, Cl. 122-4.00D.
Higo, Yakichi; Nunomura, Shigetomo; and Ono, Masashi, to Higo, Yakichi. Functional evaluation device capable of evaluating an artificial device by the use of acoustic emission. 4,819,753, 4-11-89, Cl. 128-773.000.
Higo, Yakichi; and Morimoto, Hiroshi, to Daicel Chemical Industries, Ltd.; and Yakichi Higo. Security system and lock. 4,820,910, 4-11-89, Cl. 235-439.000.
Higo, Yuichi: *See—*
Shinoda, Kenichi; Iwao, Tomoyoshi; Isayama, Tomoaki; and Higo, Yuichi, 4,873,149, Cl. 428-609.000.
Higo, Yuji; Hayashi, Hidechika; and Iwasaki, Shuji, to Toyo Soda Manufacturing Co., Ltd. Process for injecting a minute volume of a solution and an apparatus therefor. 4,810,659, 3-7-89, Cl. 436-180.000.
Higo, Yuji: *See—*
Suzuki, Hideo; Iwasaki, Shuji; Kamada, Satoru; and Higo, Yuji, 4,816,408, Cl. 435-311.000.
Higomura, Makoto: *See—*
Ohishi, Shinji; and Higomura, Makoto, 4,810,941, Cl. 318-314.000.
Sakai, Toshikazu; and Higomura, Makoto, 4,888,536, Cl. 318-592.000.
Higton, David A.: *See—*
Pease, Charles C.; Schaeffer, Eugene P.; Bernd, Kevin L.; and Higton, David A., 4,842,465, Cl. 411-337.000.
Higton, Malcolm H.; and Vecht, Aron, to Phosphor Products Company Limited. High contrast electroluminescent displays. 4,859,904, 8-22-89, Cl. 313-506.000.
Higton, Malcolm H.: *See—*
Werring, Norman J.; Ellis, Ray; and Higton, Malcolm H., 4,849,673, Cl. 313-506.000.
Higuchi, Akira, to Toyota Jidosha Kabushiki Kaisha. Suspension of vehicle. 4,844,505, 7-4-89, Cl. 280-663.000.
Higuchi, Chojiro: *See—*
Mita, Ryuichi; Oura, Takeshi; Higuchi, Chojiro; Katoh, Toshio; and Yamaguchi, Akihiro, 4,801,732, Cl. 560-40.000.
Higuchi, Haruo: *See—*
Muramatsu, Yasuhiko; Ohta, Susumu; Takagi, Toshiyuku; Higuchi, Haruo; and Nikaido, Mitsuhiro, 4,853,567, Cl. 310-67.00R.
Higuchi, Hirokazu, to Murata Manufacturing Co., Ltd. Method for inserting chip parts into a holding plate and apparatus used for the same. 4,847,991, 7-18-89, Cl. 29-759.000.
Higuchi, Hiroyuki: *See—*
Ohtani, Akira; Abe, Masao; and Higuchi, Hiroyuki, 4,869,979, Cl. 429-191.000.
Higuchi, Hisayuki; and Suzuki, Makoto, to Hitachi, Ltd. Bi-CMOS semiconductor device immune to latch-up. 4,825,274, 4-25-89, Cl. 357-43.000.
Higuchi, Hisayuki; Suzuki, Makoto; and Homma, Noriyuki, to Hitachi, Ltd. Semiconductor integrated circuit. 4,858,191, 8-15-89, Cl. 365-189.050.
Higuchi, Hisayuki; Suzuki, Makoto; Homma, Noriyuki; and Itoh, Kiyoo, to Hitachi, Ltd. Bi-MOS semiconductor memory having high soft error immunity. 4,866,673, 9-12-89, Cl. 365-177.000.
Higuchi, Kazuaki: *See—*
Takahara, Takeshi; Oikawa, Mitsuhiro; Tetsuishi, Yoshinori; Higuchi, Kazuaki; and Tamatani, Masaaki, 4,804,882, Cl. 313-468.000.
Higuchi, Kazuhiko: *See—*
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, Toshikazu, 4,884,080, Cl. 346-46.000.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; and Kanai, Tsutomu, 4,890,121, Cl. 346-76.0PH.
Higuchi, Kazuo; Tabata, Hiroshi; Okuhara, Hisakazu; Saruwatari, Hidetoshi; and Akiyama, Akihiko, to Honda Giken Kogyo Kabushiki Kaisha. Seat belt tightening device. 4,840,325, 6-20-89, Cl. 242-107.200.
Higuchi, Kazuo: *See—*
Akiyama, Akihiko; Higuchi, Kazuo; Okuhara, Hisakazu; Tabata, Hiroshi; and Kinoshita, Yoshiko, 4,864,086, Cl. 200-61.530.
Sasaki, Kiichi; Honda, Tadanori; Saruwatari, Hidetoshi; and Higuchi, Kazuo, 4,858,952, Cl. 280-802.000.
Higuchi, Kenji W., co-executor: *See—*
de Montigny, Pierre M. R.; Sternson, Larry A.; Repta, Arnold J.; Stobaugh, John F.; Higuchi, Takeru, deceased; and Higuchi, Kenji W., co-executor, 4,837,166, Cl. 436-111.000.
Higuchi, Takeru, deceased; Higuchi, Kenji W., co-executor; and Wong, Ooi, 4,845,233, Cl. 548-320.000.
Higuchi, Kinichi: *See—*
Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.
Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, Hiroshi; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubota, Hayato, to Fuji Oil Company, Limited. Method for dry fractionation of fatty material. 4,795,569, 1-3-89, Cl. 210-770.000.
Higuchi, Kumao; Morinaga, Akio; Seshimo, Masahiro; and Saito, Hitoshi, to Tokyo Gas Kabushiki Kaisha; and Ashimori Tokyo Kabushiki Kaisha. Lining material for pipe lines. 4,877,665, 10-31-89, Cl. 428-36.100.
Higuchi, Masahiro; Fukuda, Haruki; Tazaki, Kenshi; Matsuda, Masahiro; and Awazu, Tomohiko, to Fujitsu Limited. Packet data communication system with ring type transmission line. 4,809,267, 2-28-89, Cl. 370-86.000.
Higuchi, Masahiro: *See—*
Ikeda, Haruhiko; Higuchi, Masahiro; and Ohkura, Hirokazu, 4,837,197, Cl. 503-209.000.
Kosaka, Takao; Miyauchi, Masahiro; Koike, Naomasa; and Higuchi, Masahiro, 4,889,841, Cl. 503-209.000.
Higuchi, Masami, to Ricoh Company, Ltd. Copier control system. 4,860,054, 8-22-89, Cl. 355-300.000.
Higuchi, Masamori: *See—*
Kunisaki, Toshiharu; and Higuchi, Masamori, 4,860,425, Cl. 29-527.400.
Higuchi, Masashi: *See—*
Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi, Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, 4,864,460, Cl. 361-220.000.
Higuchi, Masayuki, to Sharp Kabushiki Kaisha. Electronic apparatus with replaceable power source. 4,823,323, 4-18-89, Cl. 365-228.000.
Higuchi, Mitsushi: *See—*
Fukizawa, Kazunori; Higuchi, Mitsushi; and Namiki, Kunio, 4,838,961, Cl. 148-12.400.
Higuchi, Naoki; Saitoh, Masayuki; Hashimoto, Masaki; Fukami, Harukazu; and Tanaka, Takaharu, to Suntory Limited. Pyrrolidineamide derivative of acylamino acid and pharmaceutical containing the same. 4,826,870, 5-2-89, Cl. 514-422.000.
Higuchi, Naoki: *See—*
Saitoh, Masayuki, Tanaka, Takaharu; Higuchi, Naoki; Hashimoto, Masaki; and Fukami, Harukazu, 4,810,721, Cl. 514-422.000.
Tanaka, Takaharu; Saitoh, Masayuki; Higuchi, Naoki; and Hashimoto, Masaki, 4,873,342, Cl. 548-518.000.
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; Ohnishi, Hiroshi; and Yamaguchi, Shigeru, to Fuji Photo Film Co., Ltd. Controlling method and a measuring mixer for liquids and powders. 4,830,508, 5-16-89, Cl. 366-152.000.
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Yamaguchi, Shigeru, to Fuji Photo Film Co., Ltd. Method of and apparatus for measuring liquid. 4,872,763, 10-10-89, Cl. 366-160.000.
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Ohnishi, Hiroshi, to Fuji Photo Film Co., Ltd. Powder weighing mixer and method thereof. 4,880,142, 11-14-89, Cl. 222-56.000.
Higuchi, Norio: *See—*
Kakehi, Nobuo; Takahashi, Yuzuru; Higuchi, Norio; Izumihara, Yoshikazu; Matsumoto, Hiromi; and Uehori, Yuji, 4,876,874, Cl. 72-199.000.
Higuchi, Ryoichi; Sakurai, Takao; Mikami, Naoko; Akaiwa, Kiriko; and Takeuchi, Koji, to Ajinomoto Company, Inc. Biphenyl-based diester compounds and liquid crystal compositions containing same. 4,831,182, 5-16-89, Cl. 560-59.000.
Higuchi, Ryoichi; Sakurai, Takao; Yokota, Tadahiko; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, to Ajinomoto Company, Inc.

Phenyl-pyrimidine liquid crystal compounds and liquid crystal compositions containing the same. 4,874,542, 10-17-89, Cl. 252-299.610.

- Higuchi, Ryoichi: *See—*
  - Tabohashi, Tatsuru; Sakurai, Takao; Higuchi, Ryoichi; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,880,561, Cl. 252-299.610.
- Higuchi, Sadashi: *See—*
  - Tsuchiya, Soji; Ito, Yoshimasa; Higuchi, Sadashi; and Yamashita, Akio, 4,855,727, Cl. 340-785.000.
  - Yamamori, Kiyoshi; Satoh, Kimikatsu; Hasegawa, Shigeyoshi; and Higuchi, Sadashi, 4,851,863, Cl. 346-140.00R.
- Higuchi, Seijun; Ohga, Tomonari; Katayama, Toshinori; and Yamamoto, Fumio, to Nippon Steel Corporation. Chromate surface treated steel sheet. 4,842,958, 6-27-89, Cl. 428-629.000.
- Higuchi, Seijun: *See—*
  - Izaki, Teruaki; Yoshida, Makoto; Osawa, Masami; Higuchi, Seijun; and Maruta, Akinori, 4,800,134, Cl. 428-626.000.
  - Yoshida, Makoto; Higuchi, Seijun; Izaki, Teruaki; and Tanaka, Osamu, 4,846,939, Cl. 204-15.000.
- Higuchi, Seizun: *See—*
  - Wada, Toshiya; Tanaka, Osamu; Egawa, Takatoshi; Yoshida, Makoto; Higuchi, Seizun; and Izaki, Teruaki, 4,863,531, Cl. 148-111.000.
- Higuchi, Shigemitsu: *See—*
  - Okada, Yoshinori; Higuchi, Shigemitsu; Takahashi, Hiroaki; Yunde, Yasufumi; and Furuhata, Takashi, 4,825,299, Cl. 358-323.000.
- Higuchi, Shigetaka; Noguchi, Isao; Kurita, Shuji; and Kodachi, Yasutomo, to Sony Corporation. Method for manufacturing a flat coil. 4,819,322, 4-11-89, Cl. 29-605.000.
- Higuchi, Tadashi: *See—*
  - Kawanishi, Shozo; and Higuchi, Tadashi, 4,874,048, Cl. 177-25.180.
  - Mikata, Yoshitaka; Higuchi, Tadashi; and Miyamoto, Isao, 4,813,205, Cl. 53-53.000.
- Higuchi, Takeru: *See—*
  - Alexander, Jose; and Higuchi, Takeru, 4,847,250, Cl. 514-247.000.
- Higuchi, Takeru, deceased (by Dickinson, Martin B., Jr., co-executor); by Higuchi, Kenji W., co-executor; and Wong, Ooi, to IPRX, Inc. Imidazolin-2-ones. 4,845,233, 7-4-89, Cl. 548-320.000.
- Higuchi, Takeru, deceased: *See—*
  - de Montigny, Pierre M. R.; Sternson, Larry A.; Repta, Arnold J.; Stobaugh, John F.; Higuchi, Takeru, deceased; and Higuchi, Kenji W., co-executor, 4,837,166, Cl. 436-111.000.
- Higuchi, Teruo; and Takai, Kazuhiko, to Sanden Corporation. Slant plate type compressor with variable displacement mechanism. 4,850,810, 7-25-89, Cl. 417-222.000.
- Higuchi, Teruo; Terauchi, Kiyoshi; Takai, Kazuhiko; Kikuchi, Sei; and Kobayashi, Hideto, to Sanden Corporation. Wobble plate type compressor with variable displacement mechanism. 4,875,834, 10-24-89, Cl. 417-269.000.
- Higuchi, Teruo: *See—*
  - Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, 4,865,523, Cl. 417-222.000.
  - Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, 4,878,817, Cl. 417-222.00S.
- Higuchi, Tetuya; Tsukada, Akira; and Takegawa, Yukio, to Oriental Photo Industrial Co., Ltd. Heat-developable photosensitive material. 4,820,617, 4-11-89, Cl. 430-570.000.
- Higuchi, Tomitake: *See—*
  - Hiramatsu, Tohru; Higuchi, Tomitake; and Nishimura, Akira, 4,850,186, Cl. 57-236.000.
- Higuchi, Tooru; Yamaguchi, Tosiyuki; and Kanou, Takeshi, to Matsushita Electric Works, Ltd. Wiring board. 4,835,598, 5-30-89, Cl. 357-72.000.
- Higuchi, Toru: *See—*
  - Mizoguchi, Tetsuhiko; Inomata, Koichiro; Higuchi, Toru; and Sakai, Isao, 4,878,964, Cl. 148-302.000.
- Higuchi, Toshiro, to Research Development Corporation. Precision automatic assembly apparatus including air core coils and corresponding magnetic poles. 4,882,836, 11-28-89, Cl. 29-719.000.
- Higuchi, Toshiro, to Research Development Corporation. Precision automatic assembly apparatus including face to face magnets and an air core coil therebetween. 4,882,837, 11-28-89, Cl. 29-719.000.
- Higuchi, Toshiro, to Research Development Corporation. Precision automatic assembly apparatus, with electromagnetically supported member and assembly method using same. 4,884,329, 12-5-89, Cl. 29-407.000.
- Higuchi, Toshiro: *See—*
  - Mizuno, Takeshi; and Higuchi, Toshiro, 4,839,550, Cl. 310-90.500.
- Higuchi, William I.; Fox, Jeffrey I.; and Powell, G. Lynn, to University of Utah. Method of preventing tooth decay by laser beam irradiation and chemical treatment. 4,877,401, 10-31-89, Cl. 433-215.000.
- Higuchi, Yasushi: *See—*
  - Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; Tani, Noriaki; and Higuchi, Yasushi, 4,832,810, Cl. 204-192.150.
  - Suzuki, Toshihiro; and Higuchi, Yasushi, 4,822,933, Cl. 570-208.000.
- Higuma, Masahiko: *See—*
  - Hasegawa, Kenji; Higuma, Masahiko; Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; and Morohoshi, Naoya, 4,832,984, Cl. 427-161.000.
  - Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.
  - Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.
  - Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, Cl. 428-332.000.
- Higurashi, Kunizou: *See—*
  - Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.
- Higurashi, Seiji, to Victor Company of Japan, Ltd. Magnetic recording and reproducing system. 4,819,088, 4-4-89, Cl. 360-19.100.
- Hihara, Hisashi: *See—*
  - Usui, Norihisa; and Hihara, Hisashi, 4,817,065, Cl. 368-62.000.
- Hihara, Toshio; Shimizu, Yukiharu; and Shimizu, Kanzi, to Mitsubishi Chemical Industries Ltd. Pyrazolone or pyridone type water soluble disazo colorant containing one or two triazine rings. 4,843,150, 6-27-89, Cl. 534-634.000.
- Hihara, Toshio; and Sekioka, Riyouichi, to Mitsubishi Kasei Corporation. Water-soluble blue dye mixture and dyeing method: anthraquinone reactive dye and formazan reactive dye. 4,888,028, 12-19-89, Cl. 8-549.000.
- Hihara, Toshio: *See—*
  - Fujita, Takashi; Hihara, Toshio; Kogure, Yoshio; Sekioka, Riyouichi; and Nakamura, Noboru, 4,872,881, Cl. 8-549.000.
  - Kato, Yoshiaki; and Hihara, Toshio, 4,841,029, Cl. 534-634.000.
  - Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; and Maeda, Shuichi, 4,801,696, Cl. 534-761.000.
  - Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; Kurose, Yutaka; and Shimizu, Yukiharu, 4,837,309, Cl. 534-632.000.
- Hiiro, Hiroyuki, to Fuji Photo Film Co., Ltd. Light beam recorder with an afocal anamorphic optical amplifier. 4,855,761, 8-8-89, Cl. 346-108.000.
- Hijack Light, Inc., The: *See—*
  - Wilson, John A., 4,841,277, Cl. 340-426.000.
- Hijikata, Akemi: *See—*
  - Yamamoto, Yuuichi; Nakamura, Tadaaki; Murai, Takashi; and Hijikata, Akemi, 4,838,033, Cl. 62-45.100.
- Hijikata, Isamu: *See—*
  - Nakayama, Muneo; Uehara, Akira; Hashimoto, Akira; Nishimura, Toshihiro; Hijikata, Isamu; Minato, Mitsuaki; and Kashiwagi, Eiichi, 4,868,096, Cl. 430-329.000.
- Hijikata, Kenji: *See—*
  - Kageyama, Yukihiko; Hayashi, Noriyuki; and Hijikata, Kenji, 4,864,013, Cl. 528-220.000.
- Hijikata, Sadao: *See—*
  - Moriya, Shigeru; Hijikata, Sadao; Izuhara, Yasuyuki; Harada, Akihiro; Tsuzuki, Kunimasa; Nimura, Shigeki; and Watanabe, Hiroshi, 4,867,829, Cl. 156-251.000.
- Hijikata, Toshihiko: *See—*
  - Kitagawa, Jun; Hijikata, Toshihiko; and Ishikawa, Kazuo, 4,857,089, Cl. 55-523.000.
  - Mizutani, Isao; Hijikata, Toshihiko; and Harada, Takashi, 4,840,827, Cl. 428-116.000.
- Hijikata, Toshihiro: *See—*
  - Tominaga, Kanji; Hijikata, Toshihiro; Yamaguchi, Katsuhiro; Matsumoto, Yoshimichi; and Watanabe, Yasuo, 4,802,883, Cl. 474-101.000.
- Hijikata, Toshiki: *See—*
  - Yano, Seiki; and Hijikata, Toshiki, 4,856,006, Cl. 372-22.000.
  - Yano, Seiki; Kudo, Hiroaki; Takiguchi, Haruhisa; Hijikata, Toshiki; and Kaneiwa, Shinji, 4,858,215, Cl. 369-45.000.
  - Yano, Seiki; and Hijikata, Toshiki, 4,862,473, Cl. 372-50.000.
- Hijikigawa, Masaya: *See—*
  - Jinda, Akihito; Furubayashi, Hisatoshi; Hijikigawa, Masaya; and Tabuchi, Hiroki, 4,805,296, Cl. 29-620.000.
  - Katagiri, Masayuki; Watanabe, Masanori; Uda, Kazutaka; Hijikigawa, Masaya; Tsuchimoto, Shuhei; and Inami, Yasuhiko, 4,859,060, Cl. 356-352.000.
  - Sugihara, Takashi; and Hijikigawa, Masaya, 4,889,561, Cl. 106-196.000.
  - Tanaka, Junichi; and Hijikigawa, Masaya, 4,816,388, Cl. 357-25.000.
  - Tanaka, Nobuyuki; Inami, Yasuhiko; Hijikigawa, Masaya; and Kataoka, Shoei, 4,885,937, Cl. 73-189.000.
- Hijiya, Hiromi; Mitsuhashi, Masakazu; and Miyake, Toshi, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Inclusion compound of eicosapentaenoic acid and food product containing the same. 4,831,022, 5-16-89, Cl. 514-58.000.
- Hijiya, Toshinori; and Saitou, Katumi, to Copal Company Limited. Fluid bearing. 4,820,950, 4-11-89, Cl. 310-90.500.
- Hijiya, Toyoto; Takemoto, Tadashi; and Yukawa, Toshihide, to Ajinomoto Company, Inc. Process for separation of N-protected-α-L-aspartyl-L-phenylalanines. 4,803,300, 2-7-89, Cl. 562-450.000.
- Hikake, Norio: *See—*
  - Hyosu, Yoshihiko; Hikake, Norio; and Tanaka, Katsuhiko, 4,839,255, Cl. 430-137.000.
- Hikami, Toshiya; Yoshida, Koji; Obara, Yuichi; and Fuse, Kenichi, to Furukawa Electric Co., Ltd., The. Zero insertion force connector actuated by a stored shape member. 4,846,729, 7-11-89, Cl. 439-161.000.
- Hikawa, Kazuo, to Victor Company of Japan, Ltd. Digital signal reproducing apparatus. 4,819,090, 4-4-89, Cl. 360-32.000.
- Hikawa, Kazuo, to Victor Company of Japan, Ltd. Digital signal reproducing system. 4,858,035, 8-15-89, Cl. 360-51.000.
- Hikawa, Kazuo; and Inoue, Yasuo, to Victor Company of Japan, Ltd. Digital signal demodulator. 4,870,647, 9-26-89, Cl. 371-49.100.
- Hikawa, Kazuo: *See—*
  - Ono, Tsuyoshi; Yamada, Yasuhiro; Hikawa, Kazuo; Hayami, Atsushi; Inoue, Yasuo; and Ono, Fumiaki, 4,811,128, Cl. 360-73.120.
- Hike-A-Bike Incorporated: *See—*
  - Workentine, Larry, 4,856,686, Cl. 224-42.070.
- Hikes, Carl L.: *See—*
  - Andersen, James K.; and Hikes, Carl L., 4,874,324, Cl. 439-271.000.
- Hiketa, Manabu, to Mazda Motor Corporation. Interaxle differential restriction device for vehicle four wheel drive systems. 4,817,753, 4-4-89, Cl. 180-249.000.
- Hiketa, Manabu, to Mazda Motor Corporation. Vehicle four wheel drive system. 4,875,978, 10-24-89, Cl. 180-248.000.
- Hiki, Shozo: *See—*
  - Nishida, Konosuke; Hada, Mitsue; and Hiki, Shozo, 4,877,534, Cl. 210-691.000.
- Hiki, Toshio: *See—*
  - Matsumoto, Yoshikane; Hiki, Toshio; and Kurosawa, Makoto, 4,889,052, Cl. 101-93.040.
- Hikichi, Koichi: *See—*
  - Fujita, Haruyasu; Hirosawa, Yoshiaki; Hikichi, Koichi; Sato, Morio; Hirakata, Yoshiaki; and Ito, Toshifumi, 4,869,332, Cl. 180-65.200.
  - Saito, Hiroshi; and Hikichi, Koichi, 4,871,041, Cl. 180-219.000.
- Hikida, Muneo: *See—*
  - Kumagai, Toshio; Matsunaga, Hiroshi; Machida, Yoshisuke; Nagase, Yunosuke; Hikida, Muneo; and Nagao, Yoshimitsu, 4,866,171, Cl. 540-350.000.
- Hikida, Nobuharu, to Sharp Kabushiki Kaisha. Power circuit for telephone accessory devices. 4,847,899, 7-11-89, Cl. 379-413.000.
- Hikida, Nobuharu: *See—*
  - Yasuoka, Norio; Kobayashi, Takehiro; Hikida, Nobuharu; Hatakeyama, Yasuyuki; Aoto, Yoshiyuki; and Itogawa, Jiro, 4,885,766, Cl. 379-105.000.
- Hikido, Mitsuru: *See—*
  - Konno, Kazuhiko; Araki, Kouichi; Sasaki, Norio; Endo, Keiji; Hikido, Mitsuru; and Sugaya, Kiyoshi, 4,816,064, Cl. 71-93.000.
- Hikima, Ikuo; Miyaji, Akira; Kamiya, Saburo; and Tanimoto, Akikazu, to Nikon Corporation. Laser beam working system. 4,820,899, 4-11-89, Cl. 219-121.760.
- Hikino, Hiroshi; and Hayashi, Teruaki, to Toyo Yakushoku Kogyo Co., Ltd. Method and composition for treating hypoglycemia using aloe polysaccharides. 4,801,582, 1-31-89, Cl. 514-54.000.
- Hikishima, Keisaku, to Kanzaki Kokyukoki Mfg. Co., Ltd. Transmission for self-propelled walking mowers. 4,841,794, 6-27-89, Cl. 74-371.000.
- Hikita, Hiroshi, to Fuji Electric Co., Ltd. Method of producing a contact spring structure of an electromagnetic relay. 4,887,347, 12-19-89, Cl. 29-602.100.
- Hikita, Kazuyasu: *See—*
  - Hirama, Masahiro; Tanidokoro, Hiroaki; Kitahara, Naoto; Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,868,711, Cl. 361-321.000.
  - Kitahara, Naoto; Tanidokoro, Hiroaki; Hirama, Masahiro; Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,835,656, Cl. 361-321.000.
- Hikita, Mitsutaka; Saigo, Yoichi; and Kurosawa, Kazuhito, to Hitachi Video Engineering, Inc.; and Hitachi, Ltd. Filter combining surface acoustic wave resonators. 4,803,449, 2-7-89, Cl. 333-193.000.
- Hikita, Sadayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, to Oki Electric Industry Co., Ltd. Database processing device. 4,821,175, 4-11-89, Cl. 364-200.000.
- Hikita, Sakayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, to Oki Electric Industry Company, Ltd. Join operation processing system in distributed data base management system. 4,811,207, 3-7-89, Cl. 364-200.000.
- Hikosaka, Atusi: *See—*
  - Nozaki, Masahiro; and Hikosaka, Atusi, 4,884,370, Cl. 49-479.000.
- Hikosaka, Mitsuhiro: *See—*
  - Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364-490.000.
- Hikuma, Hideo; and Yamada, Masaji, to Fuji Tekko Co., Ltd. Workpiece bite device in a rolling flat cutter. 4,796,462, 1-10-89, Cl. 72-469.000.
- Hikuma, Hideo, to Uniden Corporation. Antenna for wireless communication equipment. 4,803,491, 2-7-89, Cl. 343-702.000.
- Hikuma, Motohiko: *See—*
  - Nakamura, Takashi; Hikuma, Motohiko; Kuratani, Takahiro; Obana, Haruo; and Morita, Yasutsugu, 4,801,204, Cl. 356-338.000.
- Hilaire, Jean-Claude; and Guerin, Roland, to Atochem. Polyamide powder formed by particles having a gypsum rose structure and process for preparing such powder. 4,831,061, 5-16-89, Cl. 521-56.000.
- Hilakos, William, to General Electric Company. Apparatus and method for impregnating continuous lengths of multifilament and multi-fiber structures. 4,864,964, 9-12-89, Cl. 118-117.000.
- Hilal, Mohamed A., to General Dynamics Corporation/Space Systems Division. Producing high uniformity magnetic field or magnetic shielding using passive compensating coils. 4,851,799, 7-25-89, Cl. 335-216.000.
- Hilal, Sadek K.: *See—*
  - Leshchiner, Adolf; Larsen, Nancy E.; Balazs, Endre A.; and Hilal, Sadek K., 4,795,741, Cl. 514-21.000.
- Hilaris, John A., to Hydro-Ergon Corporation. System for removing material with a high velocity jet of working fluid. 4,795,217, 1-3-89, Cl. 299-36.000.
- Hilbert, Claude: *See—*
  - Hahn, Erwin L.; Clarke, John; Sloater, Tycho; Hilbert, Claude; and Heaney, Michael B., 4,833,392, Cl. 324-57.00R.
  - Herrell, Dennis J.; Gupta, Omkarnath R.; and Hilbert, Claude, 4,833,766, Cl. 29-157.30A.
- Hilbert, Robert S.; and Korniski, Ronald J., to Capitol Records. Three-dimensional reflex lens systems. 4,844,601, 7-4-89, Cl. 350-456.000.
- Hilbert, Robert S.; and Korniski, Ronald J., to Capitol Records, Inc. Three-dimensional reflex lens systems. 4,878,744, 11-7-89, Cl. 350-447.000.
- Hilbert, Samuel D.: *See—*
  - Pruett, Wayne P.; Hyatt, John A.; and Hilbert, Samuel D., 4,803,255, Cl. 527-400.000.
  - Weaver, Max A.; Pruett, Wayne P.; Hilbert, Samuel D.; and Burpitt, Robert D., 4,803,241, Cl. 524-719.000.
  - Weaver, Max A.; Coates, Clarence A., Jr.; Pruett, Wayne P.; and Hilbert, Samuel D., 4,808,677, Cl. 525-437.000.
  - Weaver, Max A.; Hilbert, Samuel D.; Pruett, Wayne P.; and Coates, Clarence A., Jr., 4,826,903, Cl. 524-205.000.
  - Weaver, Max A.; Pruett, Wayne P.; and Hilbert, Samuel D., 4,845,187, Cl. 528-288.000.
  - Weaver, Max A.; Pruett, Wayne P.; Hilbert, Samuel D.; and Coates, Clarence A., Jr., 4,845,188, Cl. 528-272.000.
  - Weaver, Max A.; Coates, Clarence A., Jr.; Pruett, Wayne P.; and Hilbert, Samuel D., 4,882,412, Cl. 528-190.000.
- Hilbert, Thomas K.: *See—*
  - Joseph, Brian J.; and Hilbert, Thomas K., 4,887,132, Cl. 355-253.000.
- Hilbig, Herbert H. Electrolytic pool chlorinator having baffled cathode chamber into which chlorinated water is delivered. 4,808,290, 2-28-89, Cl. 204-229.000.
- Hilborn, David A.: *See—*
  - Burdick, Brent A.; Wu, Tai-Wing; Hilborn, David A.; and Spayd, Richard W., 4,880,749, Cl. 436-66.000.
- Hilborn, David M.: *See—*
  - Dowd, James D.; Hilborn, David M.; Weilant, Roy; and Lawassani, Abdolhossein R., 4,844,533, Cl. 296-214.000.
- Hild, Gerhard, to Arthur Pfeiffer Vakuumtechnik Wetzlar GmbH. Apparatus for treating workpieces with hot gases including gas distributing means. 4,818,223, 4-4-89, Cl. 432-205.000.
- Hildebrand, David B.: *See—*
  - Johnson, Charles B.; Box, Jeffrey L.; and Hildebrand, David B., 4,799,216, Cl. 370-67.000.
- Hildebrand, Otto, to Sulzer-Escher Wyss GmbH. Multi-ply headbox for a papermaking machine. 4,824,524, 4-25-89, Cl. 162-343.000.
- Hildebrand, Philip B.: *See—*
  - Handley, James P.; and Hildebrand, Philip B., 4,807,707, Cl. 175-20.000.
- Hildebrand, Reinhard; and Riedel, Friedrich, to Siemens Aktiengesellschaft. Air conditioning and heating unit for automotive vehicles. 4,852,638, 8-1-89, Cl. 165-42.000.
- Hildebrand, Richard E.: *See—*
  - Brazdil, James F., Jr.; Hattenberger, John S.; Hildebrand, Richard E.; and Bartek, Joseph P., 4,822,944, Cl. 585-500.000.
- Hildebrandt, Bodo, to Wella Aktiengesellschaft. Arrangement for treatment of hair with circulating liquid. 4,860,391, 8-29-89, Cl. 4-518.000.
- Hildebrandt, Bodo; and Steigerwald, Franz, to Wella Aktiengesellschaft. Multichamber container. 4,875,577, 10-24-89, Cl. 206-219.000.
- Hildebrandt, Donald W.; and Keyel, Richard E., to S. C. Johnson & Son, Inc. Method for controlling insects of the family Vespidae utilizing interspecific insecticidal bait. 4,851,218, 7-25-89, Cl. 424-84.000.
- Hildebrandt, Gunter: *See—*
  - Gehrt, Heinz H.; Hildebrandt, Gunter; and Rehfeldt, Karl-Heinz, 4,851,785, Cl. 329-111.000.
  - Gehrt, Heinz H.; Hildebrandt, Gunter; and Rehfeldt, Karl-Heinz, 4,874,966, Cl. 307-291.000.
- Hildebrandt, Peter W.: *See—*
  - DeHoff, Richard J.; and Hildebrandt, Peter W., 4,808,979, Cl. 340-709.000.
- Hildebrandt, William V.: *See—*
  - Bering, Anton J.; and Hildebrandt, William V., 4,860,409, Cl. 24-289.000.
- Hildebrant, Paul: *See—*
  - Grimm, Michael A.; and Hildebrant, Paul, 4,888,677, Cl. 363-60.000.
- Hildeman, Gregory J.: *See—*
  - Langenbeck, Sharon L.; and Hildeman, Gregory J., 4,799,978, Cl. 148-437.000.
- Hildenbrand, Karlheinz; von Dohren, Hans-Hagen; Perrey, Hermann; Frank, Georg; and Dhein, Rolf, to Bayer Aktiengesellschaft. Test device and a method for the detection of a component of a liquid sample. 4,824,639, 4-25-89, Cl. 422-56.000.
- Hildenbrand, Karlheinz; Von Dohren, Hans-Hagen; Perrey, Hermann; and Wehling, Klaus, to Bayer Aktiengesellschaft. Transparent test strip system. 4,824,640, 4-25-89, Cl. 422-56.000.
- Hildenbrand, Karlheinz: *See—*
  - Engelmann, Helmut; Hildenbrand, Karlheinz; and Junkers, Gunter, 4,837,043, Cl. 427-2.000.

Sirinyan, Kirkor; Hildenbrand, Karlheinz; von Gizycki, Ulrich; Merten, Rudolf; Perrey, Hermann; and Wolf, Gerhard D., 4,804,475, Cl. 210-651.000.

Hildenbrand, Randall C.: *See—*

Davis, Cecil J.; Matthews, Robert; and Hildenbrand, Randall C., 4,816,116, Cl. 156-643.000.

Davis, Cecil J.; Loewenstein, Lee M.; Jucha, Rhett B.; Matthews, Robert T.; Hildenbrand, Randall C.; Freeman, Dean W.; and Jones, John I., 4,822,450, Cl. 156-643.000.

Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Bohlman, James G.; Loewenstein, Lee M.; and Jones, John I., 4,836,905, Cl. 204-298.000.

Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., 4,872,938, Cl. 156-345.000.

Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Jucha, Rhett B.; Hildenbrand, Randall C.; and Jones, John I., 4,886,570, Cl. 156-643.000.

Hilderbrand, James N.: *See—*

Price, Glen E.; Reinecke, Marvin E.; and Hilderbrand, James N., 4,795,130, Cl. 251-62.000.

Hildner, Hans-Joachim: *See—*

von Benda, Klaus; Gutmann, Guenter; and Hildner, Hans-Joachim, 4,867,857, Cl. 204-290.00R.

Hildreth E. D. Non-ionic surfactant based detergent formulations with short chain amphoteric additives. 4,824,605, 4-25-89, Cl. 252-547.000.

Hiles, Maurice. Energy absorbing polyurethane composite article. 4,808,469, 2-28-89, Cl. 428-318.600.

Hilex Poly Company, Inc.: *See—*

Huber, Duane J., 4,823,462, Cl. 73-118.200

Hilfenhaus, Joachim, to Behringwerke Aktiengesellschaft. Inactivation of human immunodeficiency virus (HIV) in protein-containing solutions by phenols. 4,886,779, 12-12-89, Cl. 514-2.000.

Hilfiker, Alfredo, to Pneumofore S.p.A. Supercharger device for reciprocating internal combustion engines, particularly for motor vehicles. 4,887,580, 12-19-89, Cl. 123-564.000.

Hilfiker, Peter; Feller, Willy; and Luethy, Hans, to Sprecher and Schuh AG. Electrical protection switch. 4,816,798, 3-28-89, Cl. 335-175.000.

Hilfiker, Peter: *See—*

Bissig, Josef; and Hilfiker, Peter, 4,843,196, Cl. 200-336.000.

Hilfiker, William K. Dual swiggle reinforcement system. 4,834,584, 5-30-89, Cl. 405-262.000.

Hilfiker, William K. Method and apparatus for constructing geogrid earthen retaining walls. 4,856,939, 8-15-89, Cl. 405-284.000.

Hilfman, Lee: *See—*

Johnson, Russell W.; and Hilfman, Lee, 4,840,722, Cl. 208-95.000.

Johnson, Russell W.; Hribik, Walter F.; and Hilfman, Lee, 4,849,095, Cl. 208-254.00H.

Hilgart, Michael J.: *See—*

Morankar, Sudhakar D.; Esguerra, Hermando; Kerevel, Patrice; and Hilgart, Michael J., 4,838,639, Cl. 350-96.200.

Hilgarth, Gunter, to Crones & Co., GmbH. Garden chipper/shredder. 4,860,961, 8-29-89, Cl. 241-92.000.

Hilgarth, Kurt, to Skischuhfabrik Dynafit Gesellschaft m.b.H. Process for filling with foam the inner boot of skiboots and skiboot produced according to the process. 4,837,884, 6-13-89, Cl. 12-142.00P.

Hilgers, Ray, to Advanced Molding Technology, Incorporated. Method of manufacturing an electrical connector box. 4,829,670, 5-16-89, Cl. 29-882.000.

Hilhorst, Maximus A., to Multinorm B.V. System for the control of a member for following a moving object, an automatic milking apparatus and a method for automatic milking. 4,872,147, 10-3-89, Cl. 367-96.000.

Hilker, Dieter; and Krause, Horst-Herbert, to Kloeckner-Humboldt-Deutz AG. Internal combustion engine with fluid-cooled cylinder liner. 4,794,884, 1-3-89, Cl. 123-41.790.

Hilker, G. Daniel; Lausen, Verne H.; Coon, Jessie H.; Bodette, James E.; Grimes, Jerry L.; Wright, Roger D.; Disque, Donny R.; and Bultemeier, Keith D., to Phelps Dodge Industries, Inc. Method and apparatus for manufacturing magnet wire. 4,826,706, 5-2-89, Cl. 427-120.000.

Hill, Adrian C.; and Jepson, Derek, to Rolls-Royce Motors Limited; and Castrol Limited. Hydraulic fluid containers and reservoirs. 4,840,206, 6-20-89, Cl. 141-349.000.

Hill, Alan E. Large volume gaseous electric discharge system. 4,849,984, 7-18-89, Cl. 372-58.000.

Hill, Anthony D.: *See—*

Ford, David A.; Hill, Anthony D.; and Pashby, Ian R., 4,853,044, Cl. 148-3.000.

Hill, Barry R., to Pilkington Brothers plc. Dual path interferometer with varying difference in path length. 4,872,756, 10-10-89, Cl. 356-361.000.

Hill, Brian A.: *See—*

Warde, Cardinal; Dillon, Robert F.; and Hill, Brian A., 4,863,759, Cl. 427-108.000.

Hill, C. L., to T. H. Industries. Method of replacing drill bit heads. 4,817,852, 4-4-89, Cl. 228-114.000.

Hill, Carl W. Gastroplasty method. 4,803,985, 2-14-89, Cl. 128-346.000.

Hill, Charles: *See—*

Lunk, Hans E.; Reed, Donald A.; Deep, Marguerite E.; Hill, Charles; and Au, Andrew, 4,859,836, Cl. 219-548.000.

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Sommer, Tracy W.; Hill, Charles D.; Muka, Dean P.; and Beecham, Ryland S., 4,819,700, Cl. 141-1.000.

Hill, Craig L., to Emory University. Homogeneous catalytic photochemical functionalization of alkanes by polyoxometalates. 4,839,006, 6-13-89, Cl. 204-157.150.

Hill, Craig L., to Emory University. Transition metal-substituted polyoxometalates as catalysts for homogenous liquid-phase organic oxidation processes. 4,864,041, 9-5-89, Cl. 549-513.000.

Hill, D. James, to Vanguard-Hill, Inc. Decorative switch plate and receptacle wall plate. 4,800,239, 1-24-89, Cl. 174-66.000.

Hill, David T.; Johnson, Randall K.; and Mirabelli, Christopher K., to SmithKline Beckman Corporation. Antitumor compounds. 4,857,540, 8-15-89, Cl. 514-495.000.

Hill, David T., to Sundstrand Heat Transfer, Inc. Segmented fin heat exchanger core. 4,877,087, 10-31-89, Cl. 165-181.000.

Hill, David T.: *See—*

Bender, Paul E.; and Hill, David T., 4,847,270, Cl. 514-333.000.

Hill, Derek A., to Baker Perkins plc. Sampling the contents of pressurised vessels. 4,852,412, 8-1-89, Cl. 73-863.850.

Hill, Edward C.: *See—*

Brown, Wesley D.; Hill, Edward C.; and Vercellone, Peter T., 4,872,810, Cl. 416-145.000.

Hill, Edward T., to Standplastics (Proprietary) Limited. Process for forming polymer container having inorganic filter and coupling agent. 4,812,282, 3-14-89, Cl. 264-540.000.

Hill, Ernestine W.: *See—*

Bradley, John S.; and Hill, Ernestine W., 4,857,492, Cl. 502-117.000.

Hill, Francis U. Method of making porous inorganic particle filled polyimide foam insulation products. 4,865,784, 9-12-89, Cl. 264-45.300.

Hill, Francis V.; and Crosswhite, Lola E., to Sorrento Engineer, Inc. Method of making flame resistant polyimide foam insulation and the resulting insulation. 4,874,648, 10-17-89, Cl. 428-35.900.

Hill, Frank F., to Huels Aktiengesellschaft. 3-hydroxydicarboxylic acids and process for their production. 4,827,030, 5-2-89, Cl. 562-582.000.

Hill, Fred C. Engine oil collector system. 4,802,599, 2-7-89, Cl. 220-1.00C.

Hill, Frederick W. L.: *See—*

Neaves, Bryan D.; Hill, Frederick W. L.; and Cross, Malcolm G., 4,879,148, Cl. 428-40.000.

Hill, Gary J.; and Murphy, Richard F., to Torrington Company, The. Roller bearing assembly. 4,869,604, 9-26-89, Cl. 384-569.000.

Hill, Gary R., to Micromatic Textron Inc. Method for splining clutch hubs with close tolerance spline bellmouth and oil seal surface roundness. 4,833,905, 5-30-89, Cl. 72-88.000.

Hill, Gilbert L., to Oliver Rubber Company. Tire recapping apparatus. 4,808,256, 2-28-89, Cl. 156-394.100.

Hill, Gilman A., to Mt. Moriah Trust. Well treating method and system for stimulating recovery of fluids. 4,823,875, 4-25-89, Cl. 166-280.000.

Hill, Godfrey R.; and Smith, David W., to British Telecommunications Public Limited Company. Frequency referencing system and method. 4,839,614, 6-13-89, Cl. 332-7.510.

Hill, Gordon S., to Grumman Aerospace Corporation. Method and apparatus for isolating faults in an antenna system. 4,799,063, 1-17-89, Cl. 343-703.000.

Hill, Gregory P., to General DataComm, Inc. Operating default group selectable data communication equipment. 4,841,561, 6-20-89, Cl. 379-97.000.

Hill, Grenville M., to James Mackie & Sons Limited. Yarn winding machine. 4,884,764, 12-5-89, Cl. 242-158.00R.

Hill, Guy J.; Smith, Homer G., Jr.; Schnitker, Mark W.; and Beatty, Glenn E., to Homco International Inc. Flexible drill string member especially for use in directional drilling. 4,811,800, 3-14-89, Cl. 175-323.000.

Hill, Homer G.: *See—*

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Hill, Hugh A. O.; and Green, Monika J., to Medisense, Inc. Electrochemical assay for cis-diols. 4,820,636, 4-11-89, Cl. 435-14.000.

Hill, Hugh A. O.; and Libor, Susan I., to Medisense, Inc. Electrochemical assay for nucleic acids and nucleic acid probes. 4,840,893, 6-20-89, Cl. 435-6.000.

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Hill, J. Donald: *See—*

Phillips, James L.; Richardson, Dale W.; and Hill, J. Donald, 4,834,097, Cl. 128-334.00R.

Phillips, James L.; Richardson, Dale W.; and Hill, J. Donald, 4,878,494, Cl. 128-334.00R.

Hill, James B., to Allegheny Ludlum Corporation. Producing a weldable, ferritic stainless steel strip. 4,834,808, 5-30-89, Cl. 148-12.0EA.

Hill, James D., to Fusion Systems Corporation. Optical system for uniform illumination of a plane surface. 4,812,957, 3-14-89, Cl. 362-263.000.

Hill, James R., to Mestek, Inc. Pneumatic control system for air handling system damper. 4,887,630, 12-19-89, Cl. 137-72.000.

Hill, Jeremy R., to Power Pac Inc. Active snubbing circuit for switching mode power supply. 4,802,078, 1-31-89, Cl. 363-56.000.

Hill, John A., III; Miekka, Richard G.; and Cohen, Norman B., to Dennison Manufacturing Company. Electrosensitive recording 4,857,398, 8-15-89, Cl. 428-331.000.

Hill, John E.; and Ruthven, Raymond D., to Allied-Signal Inc. Variable-area thrust vectoring and reversing asymmetric aircraft exhaust nozzle. 4,813,607, 3-21-89, Cl. 239-265.290.

Hill, John E., to Pioneer Hi-Bred International, Inc. Method and inoculant for preserving agricultural products for animal feed. 4,842,871, 6-27-89, Cl. 426-44.000.

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Hill, Kevin E., to Milsco Manufacturing Company. Vehicle seat. 4,838,514, 6-13-89, Cl. 248-577.000.

Hill, Lawrence A.; Jacobs, Michael F.; Kroll, Arthur S.; and Williams, Ralph E., to Eastman Kodak Company. Device for developing electrostatic images. 4,884,109, 11-28-89, Cl. 355-260.000.

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Hill, Leonard J.: *See—*

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Hill, Lorimer K.; Harnden, James A.; and Concklin, Barry J., to Siliconix Incorporated. Switch interface circuit for power MOSFET gate drive control. 4,853,563, 8-1-89, Cl. 307-475.000.

Hill, Malcolm D., to Camber International Limited. Information transfer. 4,860,559, 8-29-89, Cl. 66-158.000.

Hill, Mark: *See—*

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Hill, Norman C. Golf ball and tee placement and retrieval tool. 4,819,938, 4-11-89, Cl. 273-32.500.

Hill, Norris L., to Westinghouse Electric Corp. Transformer assembly. 4,890,086, 12-26-89, Cl. 336-210.000.

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Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., 4,844,475, Cl. 273-311.000.

Hill, Ralph H., Jr., to Southwest Research Institute. Optical inspection of polymer-based materials. 4,802,762, 2-7-89, Cl. 356-318.000.

Hill, Ralph H., Jr., to Southwest Research Institute. Optical inspection of food products. 4,866,283, 9-12-89, Cl. 250-461.200.

Hill, Ralph H., Jr.: *See—*

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Hill, Ray M.: *See—*

Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charles W., Jr.; Blais, Louis G.; Andersen, Carl E.; and Feeley, J. Terence, 4,830,261, Cl. 228-102.000.

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Hill, Richard C.; and LaBrecque, James C., to University of Maine System. Two compartment refrigerator. 4,862,707, 9-5-89, Cl. 62-431.000.

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Hill, Robert A.; and Scott, Dennis J., to Westinghouse Electric Corp. Winding for a pulse power AC generator rotor. 4,885,497, 12-5-89, Cl. 310-265.000.

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Hill, Robert G. D., to Ausmintec Corp. Limited. Magnesium cement. 4,838,941, 6-13-89, Cl. 106-106.000.

Hill, Robert V., to Boeing Company, The. Near-field monostatic intrusion detection system. 4,837,574, 6-6-89, Cl. 342-27.000.

Hill, Robert V., to Eyedentify, Inc. Method and apparatus for measuring blood oxygen levels in selected areas of the eye fundus. 4,877,322, 10-31-89, Cl. 351-221.000.

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Hill-Rom Company, Inc.: *See—*

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Kappers, Timothy A.; Westerfeld, Steven R.; and Gallant, Dennis J., 4,821,470, Cl. 52-36.000.

Koerber, Clement J., Sr.; Gallant, Dennis J.; and Foster, L. Dale, 4,882,566, Cl. 340-825.690.

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Hill, Roy A.; and Datum, Klaus, to E. Siepmann & Co. (GmbH & Co.). Grinding machine, in particular for grinding scissors parts. 4,869,025, 9-26-89, Cl. 51-122.000.

Hill, Steven: *See—*

Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.

Hill, Susan C.; Jelemensky, Joseph; and Hecne, Mark R., to Motorola, Inc. Queued serial peripheral interface for use in a data processing system. 4,816,996, 3-28-89, Cl. 364-200.000.

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Scott, Daniel G.; and Hill, Theodore B., 4,887,516, Cl. 92-98.00D.

Hill, Troy D. Bow-mountable blind. 4,876,817, 10-31-89, Cl. 43-1.000.

Hill, Walter A.: *See—*

Morris, Carlton E.; Loretan, Philip A.; Bonsi, Conrad K.; and Hill, Walter A., 4,860,490, Cl. 47-63.000.

Hill, Wayne E.; and McEachern, Dennis, to Marley Company, The. Method and apparatus for detecting leakage in fuel storage and delivery systems. 4,876,530, 10-24-89, Cl. 340-605.000.

Hill, Wayne S.: *See—*

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Hill, William E.: *See—*

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Hill, William H.; and Cawelti, Dale W., to Hughes Aircraft Company. Orthogonal bonding method and equipment. 4,858,819, 8-22-89, Cl. 228-179.000.

Hill, William R. Method of repairing vehicular tires. 4,836,930, 6-6-89, Cl. 156-97.000.

Hillard, Devere D. Apparatus and method for simulating the game of golf. 4,874,167, 10-17-89, Cl. 273-14.000.

Hillard, Randy H.; Draney, Robert G.; and Lesher, Joseph J., to J. I. Case Company. Cable plow chute. 4,861,195, 8-29-89, Cl. 405-180.000.

Hillcrest Medical Center: *See—*

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Hille, Martin: *See—*

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Hillebrand, Helmut, to Bayerische Motoren Werke A.G. Circuit arrangement for testing the connecting lines of a switch or sensor. 4,862,091, 8-29-89, Cl. 324-415.000.

Hillebrand, Robert D.; and Wilson, Charles W., to Lear Siegler, Inc. Lift axle control system. 4,854,409, 8-8-89, Cl. 180-24.020.

Hilleby, Hakan K. Conveyor system for use particularly with harvesters. 4,884,393, 12-5-89, Cl. 56-327.100.

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Hillegass, Donald V.; and Woodruff, Eric J., to Medical Engineering Corporation. Subcutaneous injection and withdrawal site. 4,817,637, 4-4-89, Cl. 128-899.000.

Hillegass, Donald V.: *See—*

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Hillemann, Craig L., to Du Pont de Nemours, E. I., and Company. Herbicidal 2-(1H)-pyrazinones. 4,802,908, 2-7-89, Cl. 71-70.000.

Hillemann, Craig L., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,849,010, 7-18-89, Cl. 71-92.000.

Hillemann, Craig L., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,871,847, 10-3-89, Cl. 544-211.000.

Hillemann, Craig L., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,877,442, 10-31-89, Cl. 71-92.000.

Hillemeier, Bernd; Brockmann, Gunter; and Pohl, Richard, to Hochtief Aktiengesellschaft Vorm. Gebr. Helfmann. Method and apparatus for the spray placing of concrete layers. 4,804,563, 2-14-89, Cl. 427-397.700.

Hillemeier, Bernd; Brockmann, Gunter; and Pohl, Richard, to Hochtief Aktiengesellschaft Vorm. Gebr. Helfmann. Method of and apparatus for applying a sprayed concrete layer to a surface. 4,824,022, 4-25-89, Cl. 239-407.000.

Hillen, Klaus; and Beuerle, Christoph, to Lucas Industries public limited company. Full plate disc brake, in particular for tractors. 4,817,763, 4-4-89, Cl. 188-73.200.

Hillenbrand, David F.; and Starewicz, Piotr M., to Resonance Research, Inc. Process and apparatus for homogenizing a static magnetic field. 4,862,087, 8-29-89, Cl. 324-320.000.

Hillenbrand, Gary F., to Mead Corporation, The. Imaging method employing photoadhesive microparticles. 4,876,172, 10-24-89, Cl. 430-253.000.

Hillenbrand, Gary F.: *See—*

Sanders, Frederick W.; Hillenbrand, Gary F.; Arney, Jonathan S.; and Wright, Richard F., 4,842,981, Cl. 430-138.000.

Hillenius, Steven J.; Lynch, William T.; and Manchanda, Lalita, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Radiation hardened semiconductor devices. 4,825,278, 4-25-89, Cl. 357-53.000.

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Saugeon, Ulrich; Hetzel, Gert; and Hiller, Dietmar, 4,829,491, Cl. 367-103.000.

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Hillestad, Tollief O.; and Hillestad, Mark W. Portable power tool for milling tube ends. 4,889,454, 12-26-89, Cl. 408-124.000.

Hillger, Wolfgang; and Klebusch, Jurgen D. E., to Deutsche Forschungs- und Versuchsanstalt fur Luft- und Raumfahrt e.V. Method for digital peak value measurement for ultrasonic test pulses. 4,829,824, 5-16-89, Cl. 73-614.000.

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Hilliard, Jeffrey L.; and Moloney, Maurice M., to Hilliard, Jeffrey L. Probe for electrofusion, electroporation, or like procedure. 4,882,281, 11-21-89, Cl. 435-287.000.

Hilliard, Peter, to Clairol Incorporated. Simulated in vivo measurement of skin characteristics. 4,836,014, 6-6-89, Cl. 73-76.000.

Hillier, Jonathan D., to Task Force Boats Limited. Rigid inflatable boat. 4,807,556, 2-28-89, Cl. 114-345.000.

Hillier, Raymond G., to Delibes Pty. Ltd. Process for forming metallic articles. 4,794,685, 1-3-89, Cl. 29-416.000.

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Hillig, William B.; and McGuigan, Henry C., to General Electric Company. Method of forming fiber- and filament-containing ceramic preform and composite. 4,810,442, 3-7-89, Cl. 264-60.000.

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Hillis, W. Daniel; and Kahle, Brewster, to Thinking Machines Corporation. Error control method and apparatus. 4,805,173, 2-14-89, Cl. 371-38.000.

Hillis, W. Daniel. Parallel processor. 4,814,973, 3-21-89, Cl. 364-200.000.

Hillis, W. Daniel. Puzzles comprised of elements each having a unique arrangement of matchable features. 4,830,376, 5-16-89, Cl. 273-157.00R.

Hillis, W. Daniel, to Thinking Machines Corporation. Unsynchronized multispectral video filtering system with filter identification sensor within field of view and video signal responsive. 4,878,109, 10-31-89, Cl. 358-42.000.

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Hillman, Gary; Rubin, Richard H.; and Paulfus, Bernard H., to Machine Technology, Inc. Apparatus and method for the fluid treatment of a workpiece. 4,856,456, 8-15-89, Cl. 118-500.000.

Hillman, Gary, to Machine Technology, Inc. Cooling device for a sputter target and source. 4,885,075, 12-5-89, Cl. 204-298.000.

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Hills, Christopher B. Extraction of anti-mutagenic pigments from algae and vegetables. 4,851,339, 7-25-89, Cl. 435-67.000.

Hills, Geoffrey O. Bicycle support rack. 4,821,990, 4-18-89, Cl. 211-18.000.

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Cochran, William T.; Garcia, Agustin M.; Hills, Graham W.; and Yeh, Jenn L., 4,832,789, Cl. 156-644.000.

Hills, Karen F.; and Mitchell, Paul H., to Pitney Bowes Inc. Computerized parcel shipping system. 4,839,813, 6-13-89, Cl. 364-464.030.

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Hills, William H. Continuous polymer filter. 4,849,113, 7-18-89, Cl. 210-741.000.

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Hillstead, Richard A., to Cordis Corporation. Medical instrument valve. 4,798,594, 1-17-89, Cl. 604-167.000.

Hillstead, Richard A., to Cordis Corporation. Method of attaching a sterile sleeve to a connector. 4,821,398, 4-18-89, Cl. 29-450.000.

Hillstead, Richard A., to Cordis Corporation. Endovascular stent apparatus and method. 4,856,516, 8-15-89, Cl. 128-343.000.

Hillstead, Richard A., to Cordis Corporation. Catheter sheath introducer. 4,874,378, 10-17-89, Cl. 604-167.000.

Hillstead, Richard A., to Cordis Corporation. Double mesh balloon catheter device. 4,885,003, 12-5-89, Cl. 604-22.000.

Hillstrom, David U., to Marketing Displays, Inc. Structural cladding apparatus. 4,823,533, 4-25-89, Cl. 52-727.000.

Hillstrom, David U., to Marketing Displays, Inc. Releasable anchoring and tensioning apparatus for billboard displays. 4,862,615, 9-5-89, Cl. 40-603.000.

Hillstrom, Warren W., to United States of America, Army. Fire-resistant explosives. 4,861,397, 8-29-89, Cl. 149-19.400.

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Harris, Ralph N., III; Bedford, Clifford D.; Hilmas, Duane E.; Howd, Robert A.; Kenley, Richard A.; and Koolpe, Gary A., 4,865,837, Cl. 424-10.000.

Hilmers, Horst, to Honeywell-Elac-Nautik GmbH. Electroacoustic transducer. 4,823,327, 4-18-89, Cl. 367-157.000.

Hilscher, Jean-Claude; Kehr, Wolfgang; Sauer, Gerhard; Schneider, Herbert; and Wachtel, Helmut, to Schering Aktiengesellschaft (2-haloergolinyl)-N'-N'-diethylurea compounds useful as medicinal agents e.g., as neuroleptics. 4,853,390, 8-1-89, Cl. 514-288.000.

Hilsenrath, Oliver: *See—*

Zeevi, Yehoshua; and Hilsenrath, Oliver, 4,858,014, Cl. 358-217.000.

Hilsinger, Arthur R., Jr.: *See—*

Sordillo, Vincent F.; and Hilsinger, Arthur R., Jr., 4,806,009, Cl. 351-88.000.

Hilsinger Corporation, The: *See—*

Sordillo, Vincent F.; and Hilsinger, Arthur R., Jr., 4,806,009, Cl. 351-88.000.

Hilsum, Cyril; Kerr, Kyle E. N.; and McDonnell, Damien G., to Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, The. Thermochromic liquid crystal displays. 4,834,500, 5-30-89, Cl. 350-331.00T.

Hilsum, Cyril; Van Ewyk, Robert L.; and O'Connor, Ingrid M., to General Electric Company, p.l.c., The. Light switches utilizing anisotropic emission. 4,838,662, 6-13-89, Cl. 350-350.00F.

Hiltebrand, Eduard, to Georg Fischer Aktiengesellschaft. Seal arrangement for flap valve. 4,826,133, 5-2-89, Cl. 251-306.000.

Hiltebrandt, Siegfried, to Richard Wolf GmbH. Salpingoscope. 4,807,595, 2-28-89, Cl. 128-4.000.

Hiltebrandt, Siegfried, to Richard Wolf, GmbH. Apparatus for connecting an endoscope or technoscope comprising light-guiding fiber-optic bundles to a light guiding cable and a method for the manufacture thereof. 4,830,458, 5-16-89, Cl. 350-96.220.

Hiltebrandt, Siegfried: *See—*

Boebel, Manfred; and Hiltebrandt, Siegfried, 4,881,524, Cl. 128-6.000.

Buess, Gerhard; Boebel, Manfred; and Hiltebrandt, Siegfried, 4,858,595, Cl. 128-6.000.

Hiltenbeitel, Stanley: *See—*

Ashing, Deanna; Hiltenbeitel, Stanley; Moussa, Youssef; and Aluotto, Patrick F., 4,801,628, Cl. 523-412.000.

Hilterhaus, Bodo; and Hunger, Gunther, to Feldmeuhle Aktiengesellschaft. Pressure-sensitive recording material. 4,859,650, 8-22-89, Cl. 503-213.000.

Hilterhaus, Karl-Heinz, to KVT Kunststoffverfahrenstechnik GmbH & Co.; and F. Willich GmbH & Co. Organomineral products, a process for their manufacture and their use. 4,827,005, 5-2-89, Cl. 556-414.000.

Hilterhaus, Karl-Heinz, to KVT Kunststoffverfahrenstechnik GmbH & Co.; and F. William GmbH & Co. Organomineral products, a process for their manufacture and their use. 4,871,829, 10-3-89, Cl. 528-48.000.

Hilti Aktiengesellschaft: *See—*

Baetschmann, Daniel; Nipp, Hansjorg; and Blaas, Karl, 4,807,587, Cl. 125-1.000.

Bereiter, Rolf; and von Flue, Peter, 4,818,163, Cl. 411-44.000.

Bergner, Arndt, 4,854,482, Cl. 222-94.000.

Bisping, Heinz; Gahler, Alfred; Hoffmann, Armin; and Popp, Franz, 4,836,729, Cl. 411-82.000.

Bisping, Heinz; Leibhard, Erich; and Mauthe, Peter, 4,840,524, Cl. 411-82.000.

Buechel, Franz; and Frick, Klemens, 4,867,365, Cl. 227-10.000.

Froehlich, Peter, 4,869,631, Cl. 411-55.000.

Gassner, Theo; and Von Flue, Peter, 4,809,898, Cl. 227-8.000.

Gschwend, Hans; Hachtel, Hans; and Wanger, Werner, 4,840,527, Cl. 411-344.000.

Herb, Armin, 4,806,053, Cl. 411-32.000.

Herb, Armin, 4,886,406, Cl. 411-78.000.

Hoereth, Hans-Jurgen; and Neumaier, Anton, 4,798,249, Cl. 173-14.000.

Hoffmann, Armin, 4,871,090, Cl. 222-81.000.

Lippacher, Wolfgang; and Riedl, Reinhard, 4,824,298, Cl. 408-240.000.

Mauthe, Peter; Grundmann, Gabriele; and Moench, Monika, 4,858,759, Cl. 206-221.000.

Millauer, Wolfgang, 4,820,962, Cl. 318-602.000.

Millauer, Wolfgang, 4,823,054, Cl. 318-245.000.

Millauer, Wolfgang; Benz, Gottfried; Pauli, Heinrich; and Hoyss, Franz, 4,885,511, Cl. 318-434.000.

Neumaier, Anton; and Hoereth, Hans-Jurgen, 4,825,961, Cl. 173-109.000.

Neumaier, Anton; and Plank, Uto, 4,830,549, Cl. 408-9.000.

Odoni, Walter; and Boesch, Richard, 4,871,033, Cl. 173-12.000.

Pfister, Norbert, 4,881,643, Cl. 206-343.000.

Philipp, Leo; Thuer, Ernst; and Ehmig, Gerhard, 4,883,211, Cl. 227-9.000.

Philipp, Leo, 4,883,212, Cl. 227-9.000.

Plank, Uto; Neumaier, Anton; and Manschitz, Erwin, 4,878,679, Cl. 279-19.400.

Riedl, Reinhard, 4,881,294, Cl. 16-114.00R.

Thurner, Elmar, 4,802,802, Cl. 411-107.000.

Thurner, Elmar; and Buhri, Reinhard, 4,811,883, Cl. 227-10.000.

Hilti, Bruno; and Mayer, Carl W., to Ciba-Geigy Corporation. Difluorinated (5,6,11,12-tetraselenotetracene)2 halides, the preparation thereof and the use thereof. 4,801,701, 1-31-89, Cl. 540-1.000.

Hilti, Bruno; and Mayer, Carl W., to Ciba-Geigy Corporation. Difluorotetrachlorophenanthrenes. 4,847,441, 7-11-89, Cl. 570-129.000.

Hilton, Carol M. Swing weight for golf club iron. 4,842,280, 6-27-89, Cl. 273-194.00B.

Hilton Davis Co.: *See—*

Hung, William M.; and Kassner, James E., 4,795,736, Cl. 503-218.000.

Hung, William M., 4,870,050, Cl. 503-224.000.

Kannan, Ramamurthi, 4,874,894, Cl. 564-93.000.

Hilton, Geoffrey T.: *See—*

Dewes, Ronald G.; Hilton, Geoffrey T.; Marshall, Anthony W.; and Bullivant, Derek, 4,802,532, Cl. 165-80.300.

Hilton, John A., to Spatial Systems Pty Limited. Force and torque converter. 4,811,608, 3-14-89, Cl. 73-862.040.

Hilton, Matthew D.; and Cain, Wendy J., to Pitman-Moore, Inc. Microorganism ATCC53716 and process for producing acetophenone. 4,871,668, 10-3-89, Cl. 435-147.000.

Hilton, Paul G.: *See—*

Sill, Edward L.; and Hilton, Paul G., 4,803,173, Cl. 437-29.000.

Hilton, Robert; Emamjomeh, Ali; and Belani, Jagdish, to National Semiconductor Corporation. One-piece interconnection package and process. 4,876,587, 10-24-89, Cl. 357-70.000.

Hilton, Robert E.: *See—*

Takiar, Hem P.; Divyesh, P. Shah; and Hilton, Robert E., 4,810,620, Cl. 430-314.000.

Hilton, Robert R.: *See—*

Coggin, J. Thayer; and Hilton, Robert R., 4,839,938, Cl. 16-45.000.

Hilton, Roy G. Liquid coolers. 4,841,741, 6-27-89, Cl. 62-394.000.

Hilton, Sydney; and Dean Arthur L., to FMC Corporation. Rotary feeder. 4,830,172, 5-16-89, Cl. 198-392.000.

Hilty, Terrence K.: *See—*

Campbell, William H.; and Hilty, Terrence K., 4,855,471, Cl. 556-430.000.

Hilz, Wolfgang; Schuster, Rudolf; and Schauflinger, Hans, to Siemens Aktiengesellschaft. Testing device for both-sided contacting of component-equipped printed circuit boards. 4,841,241, 6-20-89, Cl. 324-158.00F.

Hilzinger, Hans-Rainer; and Herzer, Giselher, to Vacuumschmelze GmbH. Method of achieving a flat magnetization loop in amorphous cores by heat treatment. 4,812,181, 3-14-89, Cl. 148-121.000.

Himber, Jacques: *See—*

LeClerc, Gerard; Huber, Didier; Himber, Jacques; and Andermann, Guy, 4,801,617, Cl. 514-392.000.

Hime, Sherry R. Transportable seat insert especially adapted for infants. 4,889,388, 12-26-89, Cl. 297-464.000.

iMedica, Inc.: *See—*

Heimlich, Philip F., 4,830,225, Cl. 222-153.000.

Himegi, Tohru, to Mita Industrial Co., Ltd. Friction pad fixture. 4,865,306, 9-12-89, Cl. 271-121.000.

Himelick, James M., to Delco Electronics Corporation. Process for manufacture of a vertical DMOS transistor. 4,853,345, 8-1-89, Cl. 437-41.000.

Himelson, Elizabeth A.: *See—*

Sullivan, Maureen A.; and Himelson, Elizabeth A., 4,868,541, Cl. 340-465.000.

Himeno, Kiyoshi: *See—*

Imahori, Seiichi; Himeno, Kiyoshi; and Yoshihara, Junji, 4,841,036, Cl. 534-761.000.

Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; and Maeda, Shuichi, 4,801,696, Cl. 534-761.000.

Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; Kurose, Yutaka; and Shimizu, Yukiharu, 4,837,309, Cl. 534-632.000.

Himeno, Toshio; Shimizu, Hitoshi; and Shinkai, Satoshi, to Konan Electric Co., Ltd. Rotary actuator. 4,882,977, 11-28-89, Cl. 92-5.00R.

Himes, Glenn R., to Shell Oil Company. Laminated structure comprising a plurality of polymeric layers adhered with an adhesive composition. 4,868,057, 9-19-89, Cl. 428-412.000.

Himes, Glenn R.; and Sanders, Andrea, to Shell Oil Company. Block copolymer blends with improved oil absorption resistance. 4,880,878, 11-14-89, Cl. 525-89.000.

Himes, Glenn R., to Shell Oil Company. High performance rubber compositions. 4,882,378, 11-21-89, Cl. 524-505.000.

Himes, John L., Jr.; and Wise, James H., to AMP Incorporated. Flexible bussing system for distributing power to printed circuit boards, backplanes or the like. 4,845,592, 7-4-89, Cl. 361-407.000.

Himes, Ronald E.; and Vinson, Edward F., to Halliburton Company. Stabilizing clayey formations. 4,828,726, 5-9-89, Cl. 252-8.553.

Himes, Ronald E.; and Vinson, Edward F., to Halliburton Services. Fluid additive and method for treatment of subterranean formations. 4,842,073, 6-27-89, Cl. 166-294.000.

Himezawa, Hidekazu: *See—*

Kirihata, Shinji; Araki, Tsunehiko; Yorifuji, Yuuki; Hori, Takashi; Matsuda, Hiroshi; and Himezawa, Hidekazu, 4,849,737, Cl. 340-567.000.

Himmelbauer, Erich E., to U.S. Philips Corporation. Camera tube system and electron gun therefor. 4,855,638, 8-8-89, Cl. 313-389.000.

Himmelberger, Karl B.: *See—*

Garrick, John R.; and Himmelberger, Karl B., 4,815,644, Cl. 225-97.000.

Himmele, Walter; Steiner, Gerd; Teschendorf, Hans-Juergen; and Weifenbach, Harald, to BASF Aktiengesellschaft. 3-phenyl-2-styrylpyrrolidines, preparation and use thereof. 4,824,862, 4-25-89, Cl. 514-429.000.

Himmele, Walter; Theobald, Hans; Merger, Franz; Hofmann, Ernst; Kuenast, Christoph; and Hofmeister, Peter, to BASF Aktiengesellschaft. 3,4-dihydro-2H-pyrans useful as pesticides. 4,876,275, 10-24-89, Cl. 514-452.000.

Himmele, Walter: *See—*

Bronstert, Klaus; Bohnet, Siegbert; Himmele, Walter; and Bott, Kaspar, 4,861,742, Cl. 502-157.000.

Rentzea, Costin; Spiegler, Wolfgang; Himmele, Walter; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,835,171, Cl. 514-383.000.

Steiner, Gerd; Himmele, Walter; Buschmann, Ernst; Teschendorf, Hans-Juergen; and Weifenbach, Harald, 4,877,807, Cl. 514-411.000.

Wolf, Bernd; Theobald, Hans; Becker, Rainer; Goetz, Norbert; Himmele, Walter; and Kropp, Rudolf, 4,870,100, Cl. 514-461.000.

Himmelmann, Wolfgang; Sobel, Johannes; Ohlschlager, Hans; and Schranz, Karl-Wilhelm, to Agfa-Gevaert Aktiengesellschaft. Hardeners for proteins, a binder layer hardened therewith and a photographic recording material containing such a layer. 4,845,024, 7-4-89, Cl. 430-622.000.

Himmelmann, Wolfgang: *See—*

Boie, Immo; Peters, Manfred; Himmelmann, Wolfgang; Kaluschke, Thomas; Schenk, Gunther; Wingender, Kaspar; and Frank, Karl, 4,847,179, Cl. 430-203.000.

Kampfer, Helmut; and Himmelmann, Wolfgang, 4,883,880, Cl. 546-347.000.

Himmelreich, Rolf: *See—*

Spiess, Wolfram; and Himmelreich, Rolf, 4,859,787, Cl. 558-235.000.

Spiess, Wolfram; and Himmelreich, Rolf, 4,879,071, Cl. 562-882.000.

Himmelrich and Company: *See—*

Slifkin, Malcolm, 4,885,035, Cl. 127-58.000.

Himmelsbach, Richard: *See—*

Latour, Guy; Himmelsbach, Richard; and Friedman, Denis R., 4,849,102, Cl. 210-321.840.

Himmelstein, Kenneth J.: *See—*

Zentner, Gaylen M.; Himmelstein, Kenneth J.; and Rork, Gerald S., 4,851,228, Cl. 424-456.000.

Himmelwright, Richard S.; Mehta, Avinash C.; and Taylor, Lloyd D., to Polaroid Corporation. Stabilized tabular silver halide grain emulsions. 4,888,273, 12-19-89, Cl. 430-569.000.

Himmens, Ian A., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in her Majesty's Government of the. Contamination prevention device for diver's breathing apparatus. 4,819,626, 4-11-89, Cl. 128-201.280.

Himmert, Rainer: *See—*

Bock, Erich; and Himmert, Rainer, 4,882,996, Cl. 102-496.000.

Himmler, Gunther, to Gebr. Hofmann GmbH & Co. KG Maschinenfabrik. Method and apparatus for improvement of wheel running conditions. 4,817,421, 4-4-89, Cl. 73-146.000.

Himmler, Gunther, to Hofmann Werkstatt-Technik GmbH. Method for balancing a rotor, in particular a motor vehicle wheel, in two planes. 4,854,168, 8-8-89, Cl. 73-459.000.

Himmler, Thomas; Fiedler, Paul; Braden, Rudolf; and Buding, Hartmuth, to Bayer Aktiengesellschaft. Process for the selective hydrogenation of unsaturated polymers containing nitrile groups. 4,795,788, 1-3-89, Cl. 525-338.000.

Himolla Polstermobelwerk GmbH: *See*—

Schefthaler, Alois, 4,860,393, Cl. 5-21.000.

Himont Incorporated: *See*—

Bassi, Mauro; Garagnani, Enea; and Gorini, Giuseppe, 4,889,888, Cl. 525-75.000.

Bertelli, Guido; Busi, Patrizia; and Locatelli, Renato, 4,798,857, Cl. 524-93.000.

Bertelli, Guido; and Locatelli, Renato, 4,833,186, Cl. 524-100.000.

Moore, Edward P., Jr., 4,888,369, Cl. 524-100.000.

Himori, Hiroaki: *See*—

Namikawa, Mamoru; Makino, Yoshiaki; Himori, Hiroaki; Kagai, Genichi; and Kamio, Hiroshi, 4,849,618, Cl. 235-493.000.

Himoto, Masahiro: *See*—

Otani, Masami; Nishida, Masami; Himoto, Masahiro; and Tsuchiya, Akio, 4,846,623, Cl. 414-225.000.

Himsl, Walter: *See*—

Beidam, Richard P.; and Himsl, Walter, 4,846,268, Cl. 165-153.000.

Himuro, Keiji; and Nishi, Kohichi, to Ricoh Company, Ltd. Apparatus for driving a moving mirror cylinder of a camera. 4,864,337, 9-5-89, Cl. 354-152.000.

Himuro, Keiji; Hongoh, Takashi; and Koyama, Kenji, to Ricoh Company, Ltd. Control device for driving zoom lens of a camera. 4,866,468, 9-12-89, Cl. 354-195.100.

Himuro, Keiji: *See*—

Sasaki, Saburo; Himuro, Keiji; and Koshiishi, Shinichiro, 4,862,203, Cl. 354-400.000.

Hina, Eiji: *See*—

Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.

Hinai, Masakatsu: *See*—

Masumoto, Hakaru; Sawaya, Showhachi; and Hinai, Masakatsu, 4,859,252, Cl. 148-11.50R.

Hinatase, Fumio: *See*—

Hitomi, Mitsuo; Hinatase, Fumio; and Umezono, Kazuaki, 4,813,232, Cl. 60-313.000.

Hinchcliffe, Dennis; and Molins, Desmond W., to Molins PLC. Forming lines of cigarettes. 4,848,561, 7-18-89, Cl. 198-433.000.

Hinchcliffe, Dennis; and Stone, William A., to Molins Limited. Conveyor system for rod-like articles. 4,860,880, 8-29-89, Cl. 198-405.000.

Hinchcliffe, Dennis, to Molins PLC. Conveyor system for rod-like articles. 4,872,543, 10-10-89, Cl. 198-347.000.

Hinchey, Christopher B.: *See*—

Beard, David R.; Gibson, Peter J.; and Hinchey, Christopher B., 4,854,408, Cl. 180-9.320.

Hinchey, Richard J.: *See*—

Pellet, Regis J.; and Hinchey, Richard J., 4,812,226, Cl. 208-120.000.

Hinckle, John E., to Apparel Machinery International, Ltd. Method and apparatus for clamping and manipulating workpieces during a sewing operation. 4,799,438, 1-24-89, Cl. 112-121.120.

Hinckle, John E., to Apparel Machinery International, Ltd. Method and apparatus for clamping and manipulating workpieces during a sewing operation. 4,846,087, 7-11-89, Cl. 112-262.300.

Hinckley, Charles C., to Eastman Kodak Company. Disposable container configured to produce uniform signal. 4,833,087, 5-23-89, Cl. 435-287.000.

Hinckley, Charles J.: *See*—

Paugh, James J., Jr.; and Hinckley, Charles J., 4,799,861, Cl. 416-186.00R.

Hinckley, Conrad C.: *See*—

Shiley, Richard H.; Hughes, Randall E.; Webster, John R.; Hinckley, Conrad C.; Smith, Gerald V.; and Wiltowski, Tomasz, 4,888,029, Cl. 44-622.000.

Hinckley, Heidemarie; and Childs, William M., to General Electric Company. Method of making loop-feed wiring arrangement for electric circuit breakers and switches. 4,868,981, 9-26-89, Cl. 29-857.000.

Hindagolla, Suraj L.: *See*—

Pawlowski, Norman E.; Bares, Steven J.; Johnson, Loren F.; and Hindagolla, Suraj L., 4,836,851, Cl. 106-22.000.

Hindel, James T.: *See*—

Sweet, David B.; and Hindel, James T., 4,837,920, Cl. 29-597.000.

Sweet, David B.; and Hindel, James T., 4,871,935, Cl. 310-232.000.

Hinden, Milton. Low loss flexible connector for air ducts. 4,820,569, 4-11-89, Cl. 428-124.000.

Hinden, Milton. Resistance weld pin and method of welding. 4,855,561, 8-8-89, Cl. 219-93.000.

Hinden, Milton. Weld pin for insulation attachment. 4,855,562, 8-8-89, Cl. 219-93.000.

Hinden, Milton; and Lyons, John, to Duro Dyne Corporation. Flexible connector material. 4,861,631, 8-29-89, Cl. 428-34.500.

Hinderer, Nelson A.: *See*—

Kujawa, Harry F.; and Hinderer, Nelson A., 4,799,716, Cl. 285-334.200.

Hindermann, Erich A. Screw conveyor device. 4,872,546, 10-10-89, Cl. 198-659.000.

Hindle, Peter H.: *See*—

Edgar, Roger F.; and Hindle, Peter H., 4,885,709, Cl. 364-561.00

Hindley, Richard M.: *See*—

Berge, John; and Hindley, Richard M., 4,803,293, Cl. 560-42.00

Hindrich, Emilia; and Knipscheer, Hermann. Pancake frying apparatus. 4,870,897, 10-3-89, Cl. 99-404.000.

Hinds, Buford R., to Energy Exchanger Co. Fluid inducer. 4,865,49 9-12-89, Cl. 408-56.000.

Hinds, Eugene L.: *See*—

Southerland, Tommy J.; Hinds, Eugene L.; Brown, Timothy L.; and Kiesche, Eric A., 4,804,814, Cl. 219-69.00V.

Hinds, Farley T., to United States of America, Air Force. Shipping container port assembly. 4,795,058, 1-3-89, Cl. 220-465.000.

Hinds, Robert B.; Hutchinson, Charles B., Jr.; and Dowell, James S., to J.M. Huber Corporation. Automated sucker rod cleaning apparatus. 4,877,386, 10-31-89, Cl. 425-110.000.

Hinds, Walter E.; and Lewis, Martyn A. Linear induction motor systems. 4,890,023, 12-26-89, Cl. 310-12.000.

Hinds, William S.: *See*—

Severin, Joel C.; Scaglione, Mark W.; Hinds, William S.; and Jusionis, Vytautas J., 4,841,115, Cl. 219-60.00A.

Hindstrom, Rolf, to Valmet Oy. Microporous plate and method for manufacturing the same and suction drier apparatus. 4,856,20 8-15-89, Cl. 34-95.000.

Hindstrom, Rolf, to Valmet Oy. Microporous plate and method for manufacturing the same and suction drier apparatus. 4,863,65 9-5-89, Cl. 264-62.000.

Hinduja, Murli; Thompson, Mark L.; and Spriggs, John R., to Sterling Engineered Products Inc. Apparatus and method for testing flow characteristics of molding compounds. 4,875,363, 10-24-89, Cl. 73-56.000.

Hine, Nathan P.: *See*—

Creagh, Linda T.; Spehrley, Charles W., Jr.; Hine, Nathan P.; Cranston, Dean H.; and MacDonald, Jack B., 4,864,330, Cl. 346-140.00R.

Hoisington, Paul A.; Hine, Nathan P.; and Spehrley, Charles W., Jr., 4,814,786, Cl. 346-1.100.

Hine, Philip, to Minnesota Mining and Manufacturing Company. Direct-positive silver halide emulsion. 4,814,263, 3-21-89, Cl. 430-567.000.

Hine, Rodney J.: *See*—

Bridgeford, Douglas J.; and Hine, Rodney J., 4,844,129, Cl. 138-118.100.

Hine, Shiro: *See*—

Kono, Keizo; Kondou, Mitsushige; Tsubouchi, Natsuro; Hine, Shiro; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,859,033, Cl. 350-320.000.

Hinenoya, Masayoshi; and Endo, Mamoru, to Daicel Chemical Industries, Ltd. Process for producing carboxylic acid anhydrides. 4,830,789, 5-16-89, Cl. 660-546.000.

Hines, Craig D.; Bednarz, Michael J.; and Churchman, Ronald K., to Otis Engineering Corporation. Gas storage well safety system and method. 4,842,074, 6-27-89, Cl. 166-305.100.

Hines, Craig D.: *See*—

Vinzant, Michael B.; Hines, Craig D.; Dickson, Ronnie L.; and Hammett, Robert C., 4,834,183, Cl. 166-332.000.

Hines, Edward E.; Royer, Lee J.; Jehring, Thomas D.; Faulkenberry, William E.; Posey, Norvan J.; and Richeson, Joseph T., to Harris Corporation. RF transparent thermal test chamber. 4,860,602, 8-29-89, Cl. 73-865.900.

Hines, Horace H.: *See*—

Jungerman, John A.; Peck, Neal F.; Hines, Horace H.; and Lagunas-Solar, Manuel, 4,818,468, Cl. 376-195.000.

Hines, John B.; and Harris, Jeffery R., to Milliken Research Corporation. Method for color mounting the level of finish applied to textile materials and for color coding textile materials; amine-reducible fugitive tints. 4,877,411, 10-31-89, Cl. 8-403.000.

Hines, John B.: *See*—

Migdal, Cyril A.; Hines, John B.; and Kluger, Edward W., 4,826,978, Cl. 544-216.000.

Hines, Leon F.: *See*—

Zoghby, David R.; and Hines, Leon F., 4,817,673, Cl. 138-174.000.

Hines, Robin H.; Glasscock, Michael R.; and Johnson, D. Bruce, to Quantime, Inc. Coded card for use in a melody playing apparatus. 4,813,330, 3-21-89, Cl. 84-483.00A.

Hines, Thomas M.: *See*—

Keel, Jerry L.; Hines, Thomas M.; Davis, Glen; and Parks, William E., 4,812,750, Cl. 324-158.00F.

Hines, William R., to General Electric Company. Tractor steam piston balancing. 4,864,810, 9-12-89, Cl. 60-39.050.

Hing, Sam A., to Motorola, Inc. Bandgap reference circuit having higher-order temperature compensation. 4,797,577, 1-10-89, Cl. 307-297.000.

Hing Wah Houseware Manufactory Ltd.: *See*—

Chan, Hing W., 4,798,132, Cl. 99-331.000.

Hingorani, Rajesh; and Fedele, Nicola J., to General Electric Company. Decoder for digital signal codes. 4,821,290, 4-11-89, Cl. 375-25.000.

Hingorany, Premkumar R.: *See*—

Alvarez, Juan M.; Breit, Henry F.; Levy, Steven E.; and Hingorany, Premkumar R., 4,811,166, Cl. 361-386.000.

Hingsbergen, Joseph P.: *See*—

Lee, Paul R.; and Hingsbergen, Joseph P., 4,877,758, Cl. 501-24.000.

Hingst, Uwe G. Cryostatic device for cooling a detector. 4,819,451, 4-11-89, Cl. 62-514.0JT.

Hiniker Company: *See*—

Peterson, Richard L.; Johnson, James A.; and Tomlonovic, Vincent J., 4,834,189, Cl. 172-166.000.

Hining, Larry D.: *See*—

Schmid, Steven L.; Hining, Larry D.; and O'Toole, Frank K., 4,817,728, Cl. 172-273.000.

Schmid, Steven L.; and Hining, Larry D., 4,825,570, Cl. 37-231.000.

Hinkebein, John A.: *See*—

Crutchfield, Marvin M.; and Hinkebein, John A., 4,806,205, Cl. 162-145.000.

Hinkel, Walter W.; Lobb, Jolan F.; Wall, Gene D.; Forand, Roger J.; and Gehringer, Gerald B., to Goodyear Tire & Rubber Company, The. Radial ply aircraft tire and rim. 4,813,467, 3-21-89, Cl. 152-454.000.

Hinkelmann, Klaus: *See*—

Heinze, Juergen; and Hinkelmann, Klaus, 4,835,076, Cl. 429-213.000.

Hinkhouse, Lysle R.: *See*—

Bethell, George L.; Burch, Donald F.; and Hinkhouse, Lysle R., 4,853,995, Cl. 5-481.000.

Hinkle, Clifford J., II, to Shell Oil Company. Separating immiscible components from toxic fluid. 4,869,831, 9-26-89, Cl. 210-744.000.

Hinkle, Jay L., to Illinois Tool Works, Inc. Remote battery cell specific gravity and electrolytic level monitor using floats and optical couplers. 4,866,428, 9-12-89, Cl. 340-636.000.

Hinkle, Jeffery S.; and Lever, O. William, Jr., to Ortho Pharmaceutical Corporation. Isoquinoline derivatives having renal vasodilating properties and/or cardiotonic properties and/or phosphodiesterase inhibiting properties. 4,843,077, 6-27-89, Cl. 514-253.000.

Hinman, Daryl E.; Anderson, Vernon A.; and Bumgardner, Jon H., to United States of America, Navy. Video line processor. 4,819,190, 4-4-89, Cl. 364-521.000.

Hinman, Edmund R.; and Jack, Richard A., to Airfoil Textron Inc. Pressure balanced sealing pistons for cathodes in an electrolyte chamber. 4,797,189, 1-10-89, Cl. 204-224.00M.

Hinneberg, Christian: *See*—

Dethloff, Juergen; and Hinneberg, Christian, 4,833,607, Cl. 364-401.000.

Dethloff, Juergen; and Hinneberg, Christian, 4,837,422, Cl. 235-380.000.

Hinnen, Albert: *See*—

Meyer, Francois; Hinnen, Albert; Meister, Andreas; Grutter, Markus G.; and Alkan, Sefik, 4,885,166, Cl. 424-85.700.

Hinnen, Hans R.: *See*—

Jansen, George A.; and Hinnen, Hans R., 4,887,334, Cl. 24-23.00R.

Hino, Akira: *See*—

Kasegae, Hidetoshi; Tomikashi, Minoru; and Hino, Akira, 4,839,811, Cl. 364-424.030.

Hino, Chouji: *See*—

Murata, Hiroyuki; Tanaka, Takeshi; Hino, Chouji; Kiuchi, Harunaga; and Chiji, Masahiro, 4,871,119, Cl. 241-189.00R.

Hino, Fumio: *See*—

Sato, Yasuji; and Hino, Fumio, 4,856,058, Cl. 379-394.000.

Hino, Haruki: *See*—

Nishiyama, Yukio; Fujioka, Junzo; Hino, Haruki; and Miyashita, Takuya, 4,834,036, Cl. 123-188.00A.

Hino, Hirofumi: *See*—

Kaneko, Kazuo; Hatakeyama, Takanobu; Hino, Hirofumi; Uemura, Hideki; and Yamamoto, Kazuo, 4,839,915, Cl. 378-105.000.

Hino, Hiromasa. Video tape editing apparatus for inserting video signals while retaining prerecorded audio signals. 4,849,831, 7-18-89, Cl. 360-14.100.

Hino, Hiromasa; and Fujimura, Ikuo. Camera having automatically controllable shooting features. 4,858,012, 8-15-89, Cl. 358-210.000.

Hino Jidosha Kogyo Kabushiki Kaisha: *See*—

Momiyama, Fujio, 4,796,714, Cl. 180-143.000.

Momiyama, Fujio, 4,856,628, Cl. 192-3.580.

Hino, Katsuhiko: *See*—

Koe, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hino, Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, 4,870,074, Cl. 514-231.800.

Hino, Kiyoshi; Kaitou, Kousuke; and Okamoto, Kiyokazu, to Nippon Electric Industry Co., Ltd. and NEC Corporation. Acceleration/deceleration control apparatus using slip speed. 4,818,927, 4-4-89, Cl. 318-798.000.

Hino, Kiyoshi: *See*—

Okamoto, Kiyokazu; Hino, Kiyoshi; and Kaito, Kosuke, 4,855,661, Cl. 318-807.000.

Hino, Masafumi: *See*—

Yoshino, Akira; Hino, Masafumi; and Yasue, Nobuhiro, 4,827,112, Cl. 235-380.000.

Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, to Mitsubishi Jukogyo Kabushiki Kaisha. Method for treating exhaust gas. 4,853,194, 8-1-89, Cl. 423-239.000.

Hino, Masao: *See*—

Onizuka, Masakazu; Tatani, Atsushi; Yamada, Katsuhiko; Hino, Masao; Maeda, Nobutaka; and Arai, Tokuma, 4,818,445, Cl. 261-87.000.

Shinoda, Naoharu; Yoneda, Kenichi; Hino, Masao; Muramatsu, Kenzo; Miyake, Masato; Shimizu, Taku; and Otani, Hidehiko, 4,886,524, Cl. 55-8.000.

Hino, Masatoshi: *See*—

Konai, Yutaka; Yoshida, Kazuo; and Hino, Masatoshi, 4,825,007, Cl. 568-815.000.

Tabata, Kuniaki; Machida, Tetsuo; Hino, Masatoshi; and Nomura, Kunihiro, 4,808,989, Cl. 340-750.000.

Hino, Masayasu: *See*—

Wakihira, Koichiro; Katsuta, Michitaka; Hino, Masayasu; and Sasayama, Toshio, 4,878,788, Cl. 408-230.000.

Hino, Mitsuo: *See*—

Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Mitsuo; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, 4,806,307, Cl. 420-528.000.

Hino, Motohito; and Bessho, Yoshinori, to Brother Kogyo Kabushiki Kaisha. Optical system for producing controlled beat frequency. 4,852,106, 7-25-89, Cl. 372-9.000.

Hino, Motohito; and Bessho, Yoshinori, to Brother Kogyo Kabushiki Kaisha. Optical rotary encoder using dual frequency beat difference. 4,882,479, 11-21-89, Cl. 250-231.0SE.

Hino, Shirou: *See*—

Arii, Michio; Kamataki, Yoshihisa; Hino, Shirou; and Matsui, Shoji, 4,854,121, Cl. 60-39.182.

Hino, Takashi; Naito, Tsutomu; Kuroda, Hiroyuki; Tsushima, Eiki; and Nomura, Tomio, to Toa Nenryo Kogyo Kabushiki Kaisha. High modulus pitch-based carbon fiber and method for preparing same. 4,822,587, 4-18-89, Cl. 423-447.100.

Hino, Teruyuki: *See*—

Hamada, Takashi; Hino, Teruyuki; Nodama, Takashi; and Matsuoka, Hiroshi, 4,796,842, Cl. 248-186.000.

Hino, Toshio: *See*—

Nakanishi, Akio; Hino, Toshio; Iino, Yoshio; Suetani, Kazuhisa; Houki, Yoji; and Ikuta, Hirotoshi, 4,878,088, Cl. 355-244.000.

Hino, Toshiyuki, to Kajima Corporation. Ice storage refrigerating apparatus of direct contact type. 4,864,831, 9-12-89, Cl. 62-123.000.

Hino, Youichi; Shimasaki, Yuuji; and Ueshima, Michio, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Vapor-phase intramolecular dehydration reaction of alkanolamines. 4,841,060, 6-20-89, Cl. 546-184.000.

Hino, Youichi: *See*—

Shimasaki, Yuuji; Tuneki, Hideaki; Hino, Youichi; Yano, Hitoshi; and Ueshima, Michio, 4,833,248, Cl. 546-184.000.

Hino, Yusuke; Horimoto, Tohru; Gemma, Hideaki; Iwata, Toshiharu; and Yamada, Kimitoshi, to Hitachi, Ltd. Method and system for loop communication. 4,879,550, 11-7-89, Cl. 340-825.050.

Hinoda, Yuji, to Fujisash Company. Method for electrolytic coloring of aluminum or aluminum alloys. 4,808,280, 2-28-89, Cl. 204-37.600.

Hinode, Kenji, to Hitachi, Ltd. Semiconductor device. 4,88[illegible],146, 12-12-89, Cl. 357-71.000.

Hinotani, Hiroaki, to Alps Electric Co., Ltd. Objective lens supporting device for optical pickup. 4,878,214, 10-31-89, Cl. 369-[illegible].000.

Hinotani, Shigeharu, to Sumitomo Metal Industries, Ltd. Titanium-clad steel and method for the manufacture thereof. 4,806,438, 2-21-89, Cl. 428-660.000.

Hinrichs, Fritz; and Mitschik, Herbert, to Siemens Aktiengesellschaft. Electromagnetic relay. 4,818,965, 4-4-89, Cl. 335-274.000.

Hinrichs, Walter; Hovestadt, Herbert; Lange, Ludwig; Ruppert, Kurt A.; and Splett, Erich, to Degussa Aktiengesellschaft. Process for working up the filtration residue of crude sodium prepared by fusion electrolysis into a high-purity sodium alcholate. 4,857,665, 8-15-89, Cl. 568-851.000.

Hinrichsen, Katrin: *See*—

Krueger, Myron W.; Hinrichsen, Katrin; and Gionfriddo, Thomas S., 4,843,568, Cl. 364-518.000.

Hinshaw Experimental Laboratories Limited Partnership: *See*—

Hinshaw, John W., 4,846,392, Cl. 228-147.000.

Hinshaw, Howard G., to Thermalloy Incorporated. Method of manufacturing heat sink apparatus. 4,879,891, 11-14-89, Cl. 72-254.000.

Hinshaw, Howard G., to Thermalloy Incorporated. Method of manufacturing heat sink apparatus. 4,884,331, 12-5-89, Cl. 29-558.000.

Hinshaw, Howard G., to Thermalloy Incorporated. Solderable heat sink fastener. 4,890,196, 12-26-89, Cl. 361-388.000.

Hinshaw, Ivan E.: *See*—

Weinle, Paul L.; and Hinshaw, Ivan E., 4,818,316, Cl. 156-88.000.

Hinshaw, Jerald C.; Toner, John L.; and Reynolds, George A., to Eastman Kodak Company. Coumarin chelates. 4,801,722, 1-31-89, Cl. 549-211.000.

Hinshaw, Jerald C., to Morton Thiokol, Inc. Nitrate ester-miscible polyether polymers. 4,804,424, 2-14-89, Cl. 149-19.600.

Hinshaw, John W., to Hinshaw Experimental Laboratories Limited Partnership. Continuously variable speed, die-drawing device and process for metal, composites, and the like, and compositions therefrom. 4,846,392, 7-11-89, Cl. 228-147.000.

Hinshaw, Walter L. Method of making braided rug construction. 4,802,426, 2-7-89, Cl. 112-262.100.

Hinson, Virgil H. Unibody lifting and anchoring assembly. 4,817,412, 4-4-89, Cl. 72-305.000.

Hinson, Wilburn W.; Inman, David D.; and Russell, Dennis A., to Hercules Tire and Rubber Company, The. Retread ring. 4,850,834, 7-25-89, Cl. 425-19.000.

Hinterholzer, Hans. Slalom post. 4,871,279, 10-3-89, Cl. 404-10.000.

Hinterlechner, Gerhard, to AATEC Assembling-Automations Technik GmbH. Apparatus for the metal working of components. 4,866,976, 9-19-89, Cl. 72-456.000.

Hintermann, Hans E.: *See*—

Sarin, Vinod K.; Hintermann, Hans E.; and Gindraux, Gilbert, 4,844,951, Cl. 427-255.000.

Hintermeier, Karl: *See—*

Engelhardt, Fritz; Hintermeier, Karl; Muller, Manfred; Munch, Norbert; and Wagener, Hans, 4,877,540, Cl. 252-8.750.

Hintner, Josef, to Knorr-Bremse AG. Load-dependent brake pressure control device for pneumatic brakes of rail vehicles. 4,801,179, 1-31-89, Cl. 303-22.200.

Hinton, Alan: *See—*

Wright, Peter; Hinton, Alan; Constable, Alan; Moran, Charles; and Smith, Martin, 4,869,664, Cl. 431-328.000.

Hinton, Dennis L.: *See—*

Berecz, Imre; Schultz, Dennis; and Hinton, Dennis L., 4,877,362, Cl. 411-34.000.

Brecz, Imre; Schultz, Dennis; and Hinton, Dennis L., 4,859,128, Cl. 411-43.000.

Hinton, Glenn: *See—*

Myers, Glenford J.; Lai, Konrad; Imel, Michael T.; Hinton, Glenn; and Riches, Robert, 4,811,208, Cl. 364-200.000.

Hinton, Harvard S.: *See—*

Cloonan, Thomas J.; Hinton, Harvard S.; and McCormick, Frederick B., Jr., 4,830,444, Cl. 350-3.730.

Hinton, James L.: *See—*

LaManna, Richard J.; Hinton, James L.; Cucksey, Edward L.; and Kull, Leo, 4,866,545, Cl. 360-53.000.

Hinton, Robert A. Evaporative air cooling apparatus. 4,879,075, 11-7-89, Cl. 261-26.000.

Hintz, Gerhart: *See—*

Gernhart, Peter; Hintz, Gerhart; Keller, Guenter; and Pohl, Andreas, 4,821,579, Cl. 73-856.000.

Jatho, Ralf; Hintz, Gerhart; and Keller, Guenter, 4,836,031, Cl. 73-800.000.

Hintzer, Klaus: *See—*

Blickle, Peter; Hintzer, Klaus; Lohr, Gernot; and Schwertfeger, Werner, 4,808,651, Cl. 524-366.000.

Blickle, Peter; Hintzer, Klaus; Schwertfeger, Werner; and Ulmschneider, Dieter, 4,835,305, Cl. 560-219.000.

Hintzmann, Manfred: *See—*

Heck, Dieter; Heise, Hartmut; and Hintzmann, Manfred, 4,847,426, Cl. 568-587.000.

Hinz, Harry C.; and Zook, Christopher P., to Exabyte Corporation. Apparatus and method for formatting and recording digital data on magnetic tape. 4,835,628, 5-30-89, Cl. 360-48.000.

Hinz, Paul; Dislich, Helmut; and Weber, Gerhard, to Schott Glaswerke. Pressure vessel sight glasses. 4,877,668, 10-31-89, Cl. 428-68.000.

Hinz, Werner, to Korber AG. Method of and apparatus for manipulating filter cigarettes. 4,823,932, 4-25-89, Cl. 198-450.000.

Hinz, Werner, to Korber AG. Apparatus for rolling uniting bands around groups of rod-shaped articles. 4,825,882, 5-2-89, Cl. 131-94.000.

Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, to Korber AG. Method of and machine for making filter cigarettes from pairs of plain cigarettes of double unit length. 4,825,883, 5-2-89, Cl. 131-94.000.

Hinz, Werner, to Korber AG. Method of and apparatus for rolling and simultaneous radiation treatment of rod-shaped articles of the tobacco processing industry. 4,827,947, 5-9-89, Cl. 131-281.000.

Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, to Korber AG. Method of and machine for making filter cigarettes. 4,841,993, 6-27-89, Cl. 131-94.000.

Hinz, Werner: *See—*

Hensgen, Gerhard; Steiniger, Wolfgang; Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, 4,870,748, Cl. 29-773.000.

Hinze, Jay W., to Owens-Corning Fiberglas Corporation. Clad precious metal bushing and method for making. 4,846,865, 7-11-89, Cl. 65-1.000.

Hinze, Jay W.: *See—*

Haeberle, Ronald M., Jr.; Smith, Gaylord D.; Weber, John H.; Fisher, Roneldo L.; Gaul, David J.; and Hinze, Jay W., 4,877,435, Cl. 65-1.000.

Hinzen, Dieter: *See—*

Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.

Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.

Weber, Karl-Heinz; Walther, Gerhard; Schneider, Claus; Hinzen, Dieter; Kuhn, Franz J.; and Lehr, Erich, 4,833,140, Cl. 514-343.000.

Weber, Karl-Heinz; Schneider, Claus; Walther, Gerhard; Hinzen, Dieter; Kuhn, Franz J.; Lehr, Erich; Ensinger, Helmut; and Troger, Wolfgang, 4,857,528, Cl. 514-252.000.

Hinzmann, Alfred, to Hauni Richmond, Inc. Apparatus for making knots in drawstrings of catamenial tampons. 4,836,587, 6-6-89, Cl. 289-2.000.

Hinzmann, Alfred; Preisner, Peter M.; and Shu, Timour T., to Korber AG. Method and apparatus for assembling plain cigarettes with filter rod sections. 4,886,077, 12-12-89, Cl. 131-282.000.

Hinzmann, Gerd: *See—*

Janutta, Reinhard; Hartmann, Franz; and Hinzmann, Gerd, 4,878,319, Cl. 51-271.000.

Hioki, Chieko: *See—*

Yoshinaga, Kazuo; Katagiri, Kazuharu; Tsuboyama, Akira; Kitayama, Hiroyuki; Shinjo, Kenji; and Hioki, Chieko, 4,882,085, Cl. 252-299.610.

Hioki, Hiroko: *See—*

Oshima, Yoshiyuki; Miyoshi, Yasunobu; and Hioki, Hiroko, 4,834,247, Cl. 206-631.000.

Hioki, Susumu: *See—*

Natori, Tatsuo; Hioki, Susumu; Shimaguchi, Takashi; Yamada, Toshihiro; Watanabe, Akihide; and Kanekatsu, Kensuke, 4,812,278, Cl. 264-221.000.

Okada, Ryoji; Haneda, Mitsuaki; Araya, Takeshi; and Hioki, Susumu, 4,855,102, Cl. 419-8.000.

Hioki, Takanori; and Takei, Haruo, to Fuji Photo Film Co., Ltd. Silver halide photographic light-sensitive material. 4,814,265, 3-21-89, Cl. 430-570.000.

Hioki, Takanori: *See—*

Inagaki, Yoshio; Hioki, Takanori; Makino, Naonori; Adachi, Keichi; and Suzuki, Yoshiaki, 4,851,322, Cl. 430-270.000.

Makino, Naonori; Hioki, Takanori; Inagaki, Yoshio; and Horie, Seiji, 4,840,862, Cl. 430-75.000.

Hioki, Yoshihiro: *See—*

Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, 4,872,245, Cl. 29-81.00A.

Hioki, Yoshio: *See—*

Hosoi, Masaaki; Nishioka, Ryo; Hioki, Yoshio; Iida, Yoshiaki; Takeshita, Hiroshi; Niiyama, Kenji; and Hidaka, Yusuke, 4,839,353, Cl. 514-212.000.

Hioki, Yuichi: *See—*

Araki, Seiichi; Suzuki, Mamoru; Iwasaki, Tetsuji; and Hioki, Yuichi, 4,868,217, Cl. 514-642.000.

Hipfl, Wolfgang E.; Lamm, Hermut; and Poschl, Gunter, to Suetrak Transportkaelte GmbH. Arrangement for influencing the speed of a compressor of a refrigerating system. 4,800,730, 1-31-89, Cl. 62-228.300.

Hipkins, James J.: *See—*

Bogart, Larry; Hipkins, James J.; and Smith, Morris L., 4,882,221, Cl. 428-308.800.

Bogart, Larry; Hipkins, James J.; and Smith, Morris L., 4,883,475, Cl. 604-290.000.

Carey, Francis J.; Cordrey, Nancy A.; and Hipkins, James J., 4,814,204, Cl. 427-286.000.

Hipolit, Kevin J.: *See—*

Sinkovitz, Gloria D.; and Hipolit, Kevin J., 4,804,476, Cl. 210-697.000.

Hipona, Maria B. L.: *See—*

Darley, Henry M.; Gill, Michael C.; Earl, Dale C.; Ngo, Dinh T.; Wang, Paul C.; Hipona, Maria B. L.; and Dodrill, Jim, 4,878,190, Cl. 364-752.000.

Hipp, Carl D.: *See—*

Hipp, David R.; and Hipp, Carl D., 4,822,235, Cl. 414-4.110.

Hipp, David R.; and Hipp, Carl D. Device for breaking and stripping coins from a coin roll. 4,822,235, 4-18-89, Cl. 414-4.110.

Hipp, Erwin: *See—*

Grundei, Hans; Hipp, Erwin; and Heinhuber, Bernd, 4,883,489, Cl. 623-22.000.

Hippely, Keith A.: *See—*

Stern, Jon L.; Katz, Richard S., Jr.; and Hippely, Keith A., 4,795,211, Cl. 297-194.000.

Hippenmeyer, Heinrich, to Erwin Sick GmbH Optik Elektronik. Telecentric image forming system with a row camera. 4,851,698, 7-25-89, Cl. 250-578.000.

Hippenmeyer, Heinrich: *See—*

Fetzer, Gunter; and Hippenmeyer, Heinrich, 4,851,913, Cl. 358-206.000.

Hipple, James E.; Dionne, Gerald L.; Torii, Yasuhiro; Shimada, Masaru; and Watanabe, Iwao, to Eaton Corporation; and Nippon Telegraph and Telephone Corporation. Electron cyclotron resonance ion source. 4,883,968, 11-28-89, Cl. 250-423.00R.

Hippo, Edwin J.; Comolli, Alfred G.; and O'Brien, Robert, to HRI, Inc. Hydrogenation of coal and subsequent liquefaction of hydrogenated undissolved coal. 4,879,021, 11-7-89, Cl. 208-413.000.

Hira, Takaaki: *See—*

Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.

Hirabayashi, Akio; Kaneko, Katsuaki; and Okazaki, Yoshitake, to Shin-Etsu Polymer Co., Ltd. Compacting apparatus of rolled plastic films. 4,802,408, 2-7-89, Cl. 100-90.000.

Hirabayashi, Hiromitsu: *See—*

Kishino, Kazuo; Tanaka, Takao; Shigenobu, Michio; Hirabayashi, Hiromitsu; Hibi, Takashi; and Kusaka, Kensaku, 4,823,689, Cl. 100-155.00R.

Nakamura, Shunji; Hirabayashi, Hiromitsu; Araya, Junji; and Koitabashi, Noribumi, 4,851,960, Cl. 361-225.000.

Hirabayashi, Hisaaki: *See—*

Sugimoto, Koichi; Hirabayashi, Hisaaki; and Masui, Tomoyuki, 4,884,015, Cl. 318-640.000.

Hirabayashi, Kanji, to Kabushiki Kaisha Toshiba. Test-facilitating circuit and testing method. 4,802,163, 1-31-89, Cl. 371-15.000.

Hirabayashi, Kazunori, to Ando Electric Co., Ltd. Apparatus for detecting sequential data string. 4,829,461, 5-9-89, Cl. 364-715.110.

Hirabayashi, Kazuo: *See—*

Suzuki, Isao; Hirabayashi, Kazuo; Kondoh, Tadami; and Nishijima, Hiroaki, 4,861,934, Cl. 585-415.000.

Hirabayashi, Koichi: *See—*

Hayashi, Torahiko; Hirabayashi, Koichi; and Tashiro, Yasunori, 4,801,258, Cl. 425-238.000.

Hirabayashi, Masashi: *See—*

Fujitani, Makoto; Hirabayashi, Masashi; Honda, Hideo; Machida, Hiroshi; Kondo, Masami; and Onoda, Sachio. 4,884,956, Cl. 418-15.000.

Hirabayashi, Masaya and Noda, Iwao, to Kyocera Corporation. Artificial tooth crown and method of producing the same. 4,877,402, 10-31-89, Cl. 433-218.000.

Hirabayashi, Michio; Koizumi, Tosio; and Shibao, Kiyotada, to IDEC IZUMI Corporation. Method of manufacturing a compact switch. 4,860,436, 8-29-89, Cl. 29-622.000.

Hirabayashi, Michio: *See—*

Kojima, Hisano; and Hirabayashi, Michio, 4,843,197, Cl. 200-406.000.

Hirabayashi, Shigefumi; Nakajima, Toshio; and Kanazawa, Hirotaka, to Mazda Motor Corporation. Four-wheel steering vehicle. 4,840,243, 6-20-89, Cl. 180-140.000.

Hirabayashi, Shigeto; and Sato, Hirokazu, to Konica Corporation. Silver halide photographic light-sensitive material with excellent color reproducibility. 4,882,267, 11-21-89, Cl. 430-546.000.

Hirabayashi, Shouji: *See—*

Makino, Syozaburo; and Hirabayashi, Shouji, 4,881,062, Cl. 340-677.000.

Hirabayashi, Tamio: *See—*

Kikuchi, Nobuaki; Fukuyama, Hirohisa; Hirabayashi, Tamio; and Imai, Kouichi, 4,799,743, Cl. 312-228.000.

Hirabayashi, Toshihiko; and Honda, Keiji, to Kyokuwei Optical Glass Co., Ltd.; and Asahi Diamond Industrial Co., Ltd. Fabrication method for chamfered hole. 4,800,686, 1-31-89, Cl. 51-283.00R

Hirabayashi, Yugi: *See—*

Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.

Hirabayashi, Yuji: *See—*

Ina, Katsuhiro; Akiyama, Susumu; and Hirabayashi, Yuji, 4,800,499, Cl. 364-431.030.

Ina, Katsuhiro; Hirabayashi, Yuji; Minami, Kazuaki; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,843,557, Cl. 364-431.770.

Minami, Kazuaki; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,825,362, Cl. 364-200.000.

Sato, Yoshihisa; Hirabayashi, Yuji; Akiyama, Susumu; Ito, Katsunori; and Saito, Takao, 4,864,568, Cl. 371-8.200.

Hirachi, Yasutake, to Fujitsu Limited. Microwave monolithic integrated circuit device. 4,868,613, 9-19-89, Cl. 357-16.000.

Hirachi, Yasutake: *See—*

Hidada, Norio; and Hirachi, Yasutake, 4,881,116, Cl. 357-74.000.

Hiraga, Hiroyuki: *See—*

Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, 4,884,909, Cl. 400-625.000.

Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, 4,888,602, Cl. 346-134.000.

Hiraga, Hisao: *See—*

Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, 4,819,395, Cl. 52-309.160.

Hiraga, Imao; Shimura, Noriaki; Okakura, Yojiro; Kubota, Masaru; and Takashi, Osamu, to Shiojiri Kogyo Kabushiki Kaisha; and Seiko Epson Corporation. Securing construction for timepiece. 4,862,432, 8-29-89, Cl. 368-88.000.

Hiraga, Imao; Yamazaki, Satoshi; Yamada, Takehide; and Nishitani, Tadashi, to Shiojiro Kogyo Kabushiki Kaisha. Timepiece structure. 4,862,434, 8-29-89, Cl. 368-190.000.

Hiraga, Kentaro; and Saji, Yoshiaki, to Takeda Chemical Industries, Ltd. Pyrrols [3,4-8]pyrazine derivatives, their production and use as anti-anxiety agents. 4,879,293, 11-7-89, Cl. 514-249.000.

Hiraga, Kunikazu: *See—*

Kabota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; Uchida, Matazaemon; and Taninaka, Kuniaki, 4,835,153, Cl. 514-249.000.

Kubota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; and Uchida, Matazaemon, 4,863,925, Cl. 514-249.000.

Nagamine, Masashi; Hiraga, Kunikazu; Sakai, Atsushi; and Uchida, Matazaemon, 4,816,475, Cl. 514-435.000.

Hiraga, Masaharu; and Terauchi, Kiyoshi, to Sanden Corporation. Scroll type fluid displacement apparatus with balanced drive means. 4,824,346, 4-25-89, Cl. 418-55.000.

Hiraga, Masaharu: *See—*

Terauchi, Kiyoshi; and Hiraga, Masaharu, 4,880,360, Cl. 417-222.000.

Hiraga, Ryo: *See—*

Katagiri, Junichi; Nagai, Akira; Tawara, Keiko; Takahashi, Akio; Wajima, Motoyo; Narahara, Toshikazu; and Hiraga, Ryo, 4,886,858, Cl. 525-301.000.

Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.

Hiraga, Ryozo; and Echizen, Hiroshi, to Canon Kabushiki Kaisha. Wafer position detecting method and apparatus. 4,806,773, 2-21-89, Cl. 250-548.000.

Hiraguri, Masao: *See—*

Saito, Kazuharu; Hiraguri, Masao; Yamada, Sadao; and Shiozawa, Junichi, 4,887,345, Cl. 29-568.000.

Hirahara, Hideaki; Takabe, Tatsuo; Ishida, Kazuya; Saijo, Hiromitsu; Matsuda, Shinya; and Komura, Masaru, to Minolta Camera Kabushiki Kaisha. Electrostatic latent image developing apparatus. 4,814,820, 3-21-89, Cl. 355-300.000.

Hirahara, Masahiro: *See—*

Onosato, Hiroshi; Horikoshi, Hiroshi; and Hirahara, Masahiro, 4,819,708, Cl. 160-331.000.

Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, Toshikazu, to Kabushiki Kaisha Toshiba. Color image printing apparatus. 4,884,080, 11-28-89, Cl. 346-46.000.

Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; and Kanai, Tsutomu, to Kabushiki Kaisha Toshiba. Halftone image printing device. 4,890,121, 12-26-89, Cl. 346-76.0PH.

Hirahara, Shuzo: *See—*

Nagato, Hitoshi; Hirahara, Shuzo; and Ohno, Tadayoshi, 4,819,008, Cl. 346-76.0PH.

Hirahara, Takuho: *See—*

Kohayakawa, Hirokazu; Hirahara, Takuho; and Yamamoto, Takashi, 4,826,409, Cl. 418-63.000.

Hirahara, Takuji; Nakamura, Takashi; Aoyama, Yoshiko; and Maeda, Shuichi, to Mitsubishi Chemical Industries Limited. Thermoplastic polyester resin composition. 4,814,366, 3-21-89, Cl. 524-89.000.

Hirahata, Shigeru: *See—*

Christopher, Todd J.; and Hirahata, Shigeru, 4,821,226, Cl. 364-900.000.

Honda, Toyota; and Hirahata, Shigeru, 4,802,118, Cl. 364-900.000.

Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirahata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, 4,853,765, Cl. 358-11.000.

Hirahata, Shinichi: *See—*

Mizutani, Shuzo; Matsuda, Riki; Taki, Kazunari; Hattori, Yutaka; Miyaki, Kazuyuki; and Hirahata, Shinichi, 4,807,204, Cl. 369-13.000.

Hirai, Bunji: *See—*

Minagawa, Motonobu; Nakahara, Yutaka; Hirai, Bunji; and Sugibuchi, Kazuo, 4,798,836, Cl. 524-89.000.

Hirai, Eiichi: *See—*

Matsui, Shigeaki; Hirai, Eiichi; and Nakamura, Junji, 4,871,674, Cl. 435-284.000.

Hirai, Hayao, to Mitsubishi Denki Kabushiki Kaisha. Integrated circuit memory with common address register and decoder. 4,811,303, 3-7-89, Cl. 365-189.000.

Hirai, Hayao, to Mitsubishi Denki Kabushiki Kaisha. Numerical control equipment. 4,881,021, 11-14-89, Cl. 318-569.000.

Hirai, Hidefumi; Komiyama, Makoto; and Hara, Susumu, to Hirai, Hidefumi. Process for separation of unsaturated hydrocarbon from gas mixture. 4,864,071, 9-5-89, Cl. 585-829.000.

Hirai, Hidefumi; Komiyama, Makoto; and Otaki, Michitaka, to Hirai, Hidefumi. Colloidal metal dispersion, and a colloidal metal complex. 4,888,248, 12-19-89, Cl. 438-403.000.

Hirai, Hidetoshi: *See—*

Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,826,569, Cl. 162-102.000.

Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,874,495, Cl. 204-212.000.

Hirai, Hiroyuki; and Hara, Hiroshi, to Fuji Photo Film Co., Ltd. Image forming apparatus. 4,801,961, 1-31-89, Cl. 354-303.000.

Hirai, Hiroyuki, to Fuji Photo Film Co., Ltd. Heat development image forming method. 4,820,622, 4-11-89, Cl. 430-351.000.

Hirai, Hiroyuki, to Fuji Photo Film Co., Ltd. Silver salt diffusion transfer with complexing compound. 4,876,171, 10-24-89, Cl. 430-203.000.

Hirai, Hiroyuki; and Yabuki, Yoshiharu, to Fuji Photo Film Co., Ltd. Photographic silver halide photosensitive material. 4,880,723, 11-14-89, Cl. 430-218.000.

Hirai, Hiroyuki; and Iwano, Haruhiko, to Fuji Photo Film Co., Ltd. Color image forming process utilizing substantially water-insoluble basic metal compounds and complexing compounds. 4,880,725, 11-14-89, Cl. 430-373.000.

Hirai, Hiroyuki: *See—*

Ohmatsu, Hideki; and Hirai, Hiroyuki, 4,839,272, Cl. 430-617.000.

Hirai, Hitoshi: *See—*

Urata, Kaoru; Nakashio, Miaki; Ono, Koichi; Hirai, Hitoshi; and Iwamoto, Masayuki, 4,876,703, Cl. 377-62.000.

Hirai, Kazumi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; and Hori, Ichiroh, to Matsushita Electric Industrial Co., Ltd. Heat cooking oven having flat heater units on the outside of the walls thereof. 4,880,952, 11-14-89, Cl. 219-10.55B.

Hirai, Keiji: *See—*

Masuzawa, Kuniyoshi; Suzue, Seigo; Hirai, Keiji; and Ishizaki, Takayoshi, 4,826,982, Cl. 544-363.000.

Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hirose, Hiroaki; Yokota, Masahiro; and Nagato, Shoin, to Sagami Chemical Research Center; Chisso Corporation; and Kaken Pharmaceutical Co., Ltd., a part interest. Oxazolidinedione derivatives, method of producing the derivatives, and herbicides containing the derivatives. 4,818,272, 4-4-89, Cl. 71-88.000.

Hirai, Kenji: *See—*

Asano, Yasuhisa; Nakazawa, Akiko; Terashima, Shiro; Kondo, Kiyosi; Endo, Kaori; Hirai, Kenji; and Numao, Naganori, 4,849,345, Cl. 435-106.000.

Hirai, Kentaro; Mizushima, Yukio; and Doteuchi, Masami, to Shinogi & Co., Ltd. Thienopyridine derivatives useful in treating gastric ulcers. 4,839,365, 6-13-89, Cl. 514-301.000.

- Hirai, Kentaro; and Mizushima, Yukio, to Shionogi & Co., Ltd. Substituted isoquinoline derivatives and anti-ulcer agents. 4,882,338, 11-21-89, Cl. 514-307.000.
- Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, to Fuji Photo Film Co., Ltd. Method for correction of calibration curve in dry analytical process. 4,832,488, 5-23-89, Cl. 356-243.000.
- Hirai, Kikuo: *See—*
  - Muraishi, Katsuaki; Yaginuma, Nakatsugu; Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, 4,855,109, Cl. 422-63.000.
- Hirai, Koji: *See—*
  - Komiya, Yukiatsu; Ishida, Masao; Hirai, Koji; and Okaya, Takuji, 4,816,544, Cl. 528-73.000.
  - Morita, Takashi; Hirai, Koji; and Kusaba, Akira, 4,823,342, Cl. 370-109.000.
- Hirai, Masashi: *See—*
  - Masuda, Zitsuo; Kinashi, Hiroshi; Tsujimoto, Yoshiharu; and Hirai, Masashi, 4,847,652, Cl. 355-274.000.
- Hirai, Masayoshi: *See—*
  - Fujita, Yoshihiro; Komatsuzaki, Hiroshi; Shoji, Masao; Noguchi, Yukio; Hirai, Masayoshi; and Ohno, Kazunori, 4,887,109, Cl. 354-222.000.
- Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, to Sumitomo Naugatuck Co., Ltd. Molding resin composition. 4,855,355, 8-8-89, Cl. 525-64.000.
- Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, to Sumitomo Naugatuck Co., Ltd. Resin of polycarbonate and graft copolymer of unsaturated epoxy monomer and ethylene-α-olefin base rubber. 4,880,874, 11-14-89, Cl. 525-67.000.
- Hirai, Nobuaki; Ushida, Yoshihisa; and Ohno, Takao, to Mitsui Petrochemical Industries, Ltd. Ferroelectric ceramics. 4,830,996, 5-16-89, Cl. 501-136.000.
- Hirai, Nobuyuki: *See—*
  - Obitsu, Takeo; Ohnishi, Yutaka; Yoshinaka, Shinji; Koguchi, Minoru; Yanagita, Mitsuhiro; Hirai, Nobuyuki; and Tanaka, Toshiyuki, 4,826,806, Cl. 503-217.000.
- Hirai, Seiichi: *See—*
  - Fujii, Etsuo; Sato, Makoto; and Hirai, Seiichi, 4,832,145, Cl. 180-233.000.
  - Fujii, Etsuo; Sato, Makoto; and Hirai, Seiichi, 4,871,043, Cl. 180-248.000.
- Hirai, Shiro; Hirano, Hiroshi; Arai, Hirotoshi; Shibata, Hisanari; Kusayanagi, Yoshikazu; and Hashiba, Kazuhiko, to Toyama Chemical Co., Ltd. Amine derivative and its salt and anti-ulcer agent containing the same. 4,871,765, 10-3-89, Cl. 514-471.000.
- Hirai, Shoichi: *See—*
  - Kobayashi, Tetuo; and Hirai, Shoichi, 4,840,080, Cl. 74-501.50R.
  - Matsuura, Hiroshi; and Hirai, Shoichi, 4,827,522, Cl. 381-43.000.
- Hirai, Tadaaki: *See—*
  - Ishioka, Sachio; Tsuji, Kazutaka; Takasaki, Yukio; Shimomoto, Yasuharu; Matsubara, Hirokazu; and Hirai, Tadaaki, 4,829,345, Cl. 357-19.000.
  - Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.
  - Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.
  - Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
  - Yamashita, Takashi; Shidara, Keiichi; Aiba, Masaaki; Takasaki, Yukio; and Hirai, Tadaaki, 4,860,093, Cl. 358-50.000.
- Hirai, Takene: *See—*
  - Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.
- Hirai, Takeo: *See—*
  - Hojo, Shiro; Hasegawa, Yoichi; and Hirai, Takeo, 4,855,501, Cl. 564-314.000.
- Hirai, Toshiyuki: *See—*
  - Ohkami, Takahide; Iijima, Nobuyuki; Sakamoto, Teijiro; and Hirai, Toshiyuki, 4,825,359, Cl. 364-200.000.
- Hirai, Wataru; and Fujiwara, Koji, to Matsushita Electric Industrial Co., Ltd. Mounting head exchange arrangement for part mounting machine. 4,831,721, 5-23-89, Cl. 29-740.000.
- Hirai, Yoichi; and Ito, Toshikazu, to Tohkai Kogyo Co., Ltd. Deodorizing apparatus. 4,842,829, 6-27-89, Cl. 422-186.080.
- Hirai, Yoshihiko, to NEC Corporation. Liquid crystal display having a decoder between a driver and scan electrodes. 4,807,974, 2-28-89, Cl. 350-332.000.
- Hirai, Yoshihiko: *See—*
  - Hamaguchi, Tsueno; Hirai, Yoshihiko; and Kaneko, Setsuo, 4,838,654, Cl. 350-333.000.
- Hirai, Yukio: *See—*
  - Kawamura, Shuzo; and Hirai, Yukio, 4,880,174, Cl. 242-18.0DD.
- Hirai, Yutaka: *See—*
  - Fukuda, Tadaji; Hirai, Yutaka; Nakagawa, Katsumi; and Komatsu, Toshiyuki, 4,818,656, Cl. 430-65.000.
  - Komatsu, Toshiyuki; Hirai, Yutaka; Nakagawa, Katsumi; and Fukuda, Tadaji, 4,830,946, Cl. 430-128.000.
  - Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,873,125, Cl. 427-248.100.
  - Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,877,650, Cl. 427-248.100.
  - Nakagawa, Katsumi; Komatsu, Toshiyuki; Hirai, Yutaka; Omata, Satoshi; Osada, Yoshiyuki; and Nakagiri, Takashi, 4,814,842, Cl. 357-23.700.
  - Nishimura, Yukuo; Haruta, Masahiro; Hirai, Yutaka; Sakai, Kunihiro; and Matsuda, Hiroshi, 4,796,981, Cl. 350-353.000.
- Hiraide, Hideyuki. Spiral-spring type driving unit. 4,842,567, 6-27-89, Cl. 446-464.000.
- Hiraide, Takao: *See—*
  - Tanaka, Susumu; Sato, Masaaki; Kaeriyama, Kyoji; Suda, Yoshio; and Hiraide, Takao, 4,877,852, Cl. 526-256.000.
- Hiraishi, Atsushi: *See—*
  - Nakazato, Shinji; Uchida, Hideaki; Tanba, Nobuo; Gotoo, Nobuyuki; Onozawa, Kazunori; and Hiraishi, Atsushi, 4,868,626, Cl. 357-42.000.
- Hiraishi, Hisato: *See—*
  - Hayashi, Yutaka; Ishihara, Seiichi; and Hiraishi, Hisato, 4,818,867, Cl. 250-229.000.
- Hiraishi, Shigetoshi; Koike, Naomasa; Kondo, Kazuyoshi; and Fuchigami, Mitsuru, to Mitsubishi Paper Mills, Ltd. Thermosensitive recording material. 4,874,740, 10-17-89, Cl. 503-201.000.
- Hiraishi, Shigetoshi; Fuchigami, Mitsuru; Miyauchi, Masahiro; and Kabashima, Kazuo, to Mitsubishi Paper Mills Limited; and Asahi Kasei Kogyo Kabushiki Kaisha. Recording material. 4,880,767, 11-14-89, Cl. 503-217.000.
- Hiraishi, Shigetoshi: *See—*
  - Matsushita, Toshihiko; Hiraishi, Shigetoshi; and Morishita, Sadao, 4,824,824, Cl. 503-204.000.
  - Sugiyama, Takeo; and Hiraishi, Shigetoshi, 4,812,354, Cl. 428-195.000.
- Hiraiwa, Akihiko; Ito, Kenji; and Kimura, Kaoru, to Toagosei Chemical Industry Co., Ltd. Method of bonding non-polar or highly crystalline resin substrates employing a primer and a cyanoacrylate adhesive. 4,818,325, 4-4-89, Cl. 156-315.000.
- Hiraiwa, Akihiko: *See—*
  - Sato, Mitsuyoshi; Hiraiwa, Akihiko; and Kimura, Kaoru, 4,80[illegible], Cl. 427-1.000.
- Hiraiwa, Atsushi: *See—*
  - Sunami, Hideo; Kure, Tokuo; Hiraiwa, Atsushi; and Wada, Yasuo, 4,860,071, Cl. 357-23.600.
- Hiraiwa, Hisaki; and Osawa, Eiichi, to Sony Corporation. Viterbi decoder with detection of synchronous or asynchronous states. 4,802,174, 1-31-89, Cl. 371-46.000.
- Hiraiwa, Kazuyoshi, to Nissan Motor Co., Ltd. Automatic transmission's ravigneaux type planetary gear train having two ring gears. 4,802,385, 2-7-89, Cl. 74-758.000.
- Hiraiwa, Kazuyoshi, to Nissan Motor Co., Ltd. Power transfer mechanism for four-wheel drive. 4,805,484, 2-21-89, Cl. 74-665.00T.
- Hiraiwa, Kazuyoshi, to Nissan Motor Co., Ltd. Synchromesh transmission suited for use as an automotive automatic transmission. 4,823,628, 4-25-89, Cl. 74-330.000.
- Hiraiwa, Yoshitaka: *See—*
  - Kimura, Haruyoshi; Hiraiwa, Yoshitaka; Shiokawa, Hiroyuki; Nagata, Hiroshi; and Inoue, Yukio, 4,867,932, Cl. 264-29.100.
- Hiraka, Masahiro: *See—*
  - Nishino, Atsushi; Ikeda, Masaki; Watanabe, Yoshihiro; and Hiraka, Masahiro, 4,861,657, Cl. 428-336.000.
- Hirakata, Yoshiaki: *See—*
  - Fujita, Haruyasu; Hirosawa, Yoshiaki; Hikichi, Koichi; Sato, Morio; Hirakata, Yoshiaki; and Ito, Toshifumi, 4,869,332, Cl. 180-65.200.
- Hirakawa, Hideki: *See—*
  - Miike, Seiji; Yamanaka, Noriko; Hirakawa, Hideki; and Amano, Shinya, 4,831,529, Cl. 364-419.000.
- Hirakawa, Jun, to Asahi Kogaku Kogyo Kabushiki Kaisha. Telephoto zoom lens system. 4,836,663, 6-6-89, Cl. 350-427.000.
- Hirakawa, Katsumi: *See—*
  - Matsuura, Mitsuyuki; Fujita, Takashi; and Hirakawa, Katsumi, 4,814,314, Cl. 502-112.000.
- Hirakawa, Kiyohiro. Anti-skid device for preventing slippage of automobile tire. 4,815,513, 3-28-89, Cl. 152-210.000.
- Hirakawa Kogyosha Co., Ltd.: *See—*
  - Yamashita, Miyuki, 4,862,223, Cl. 355-54.000.
- Hirakawa, Noboru; and Inoue, Yasukazu, to NEC Corporation. Semiconductor device having wiring layer composed of silicon film and aluminum film with improved contact structure thereof. 4,878,105, 10-31-89, Cl. 357-59.000.
- Hirakawa, Nobuhiro: *See—*
  - Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamamura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,316, Cl. 546-214.000.
- Hirakawa, Osamu: *See—*
  - Umeha, Genkichi; Urano, Shigeru; Hirakawa, Osamu; and Takeguchi, Shunsuke, 4,863,513, Cl. 75-231.000.
- Hirakawa, Tadashi; Seki, Yukuharu; and Oku, Yukio, to Mitsubishi Jukogyo Kabushiki Kaisha. Slitter scorer including a head exchanging device. 4,846,778, 7-11-89, Cl. 493-354.000.

- Hirakawa, Tadashi; and Yano, Tadashi, to Mitsubishi Jukogyo Kabushiki Kaisha. Conveyor system for planar objects. 4,863,154, 9-5-89, Cl. 271-176.000.
- Hirakawa, Tatsuo: *See—*
  - Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 340-222.000.
- Hiraki, Akimitsu: *See—*
  - Okamoto, Magoji; and Hiraki, Akimitsu, 4,830,749, Cl. 210-323.200.
- Hiraki, Akitoshi: *See—*
  - Tokunaga, Masaaki; Uchida, Kimio; and Hiraki, Akitoshi, 4,837,109, Cl. 420-83.000.
- Hiraki, Hiroshi, to Sony Corporation. Apparatus for reserving programs at various recording tape running speeds. 4,796,107, 1-3-89, Cl. 360-33.100.
- Hiraki, Jun: *See—*
  - Fujii, Masahiro; Morita, Hiroshi; Hiraki, Jun; and Hatakeyama, Masakazu, 4,867,974, Cl. 424-89.000.
- Hiraki, Tomoyoshi: *See—*
  - Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, 4,798,758, Cl. 428-213.000
- Hiraki, Toshitsuyo, to Kawamoto Industrial Co., Ltd. Method of and apparatus for sizing and drying warps of filament yarns. 4,794,679, 1-3-89, Cl. 28-181.000.
- Hiraki, Yasuhito; Tanaka, Yasunori; and Noda, Shinji, to Fuji Photo Film Co., Ltd. Coating method. 4,828,779, 5-9-89, Cl. 264-171.000.
- Hiraki, Yasuhito: *See—*
  - Chino, Naoyoshi; Tanaka, Yasunori; Fukumura, Kenichi; and Hiraki, Yasuhito, 4,831,961, Cl. 118-410.000.
  - Chino, Naoyoshi; Hiraki, Yasuhito; and Sato, Tsunehiko, 4,854,262, Cl. 118-411.000.
- Hirako, Atsushi; and Sasa, Yuki, to Isuzu Motors Limited. Device for holding braking force for vehicle. 4,865,175, 9-12-89, Cl. 192-1.230.
- Hirako, Mamoru; and Ezawa, Nobuyasu, to Tanaka Kikinzoku Kogyo K.K. Process for refining gold and apparatus employed therefor. 4,859,293, 8-22-89, Cl. 204-94.000.
- Hirako, Osamu: *See—*
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, 4,850,317, Cl. 123-306.000.
- Hiraku, Akira; Minezawa, Morio; Katoh, Isao; and Itoh, Kouichi, to Toyota Jidosha Kabushiki Kaisha; and Horie Metal Co., Ltd. Device for purifying fuel vapors generated in vehicle fuel tank. 4,860,715, 8-29-89, Cl. 123-519.000.
- Hiraku, Akira: *See—*
  - Mori, Eiji; Sonoda, Hidefumi; Hiraku, Akira; Katoh, Isao; Itoh, Kouichi; and Minezawa, Morio, 4,809,865, Cl. 220-86.00R.
- Hirakui, Hidemasa; and Kishima, Masayoshi, to Nissan Motor Co., Ltd.; and Ohi Seisakusho Co., Ltd. Retractable rope hook arrangement for vehicle. 4,820,093, 4-11-89, Cl. 410-107.000.
- Hirakui, Hidemasa; and Kishima, Masayoshi, to Nissan Motor Co., Ltd.; and Ohi Seisakusho Co., Ltd., JPX. Rope hook arrangement for vehicle. 4,820,094, 4-11-89, Cl. 410-107.000.
- Hirakura, Megumu: *See—*
  - Kishine, Nobuyuki; Hirakura, Megumu; and Imamura, Tetsuya, 4,811,152, Cl. 360-133.000.
- Hirakushi, Shuzo; Hamasaki, Yoshiaki; and Shimamura, Goki, to Koyo Seiko Co., Ltd. Power transmission apparatus for a vehicle. 4,850,447, 7-25-89, Cl. 180-248.000.
- Hirama, Kouichi; Shouzi, Tomokazu; and Tanaka, Yoshiaki, to Toyo Communication Equipment Co., Ltd. Piezoelectric resonators for overtone oscillations. 4,870,313, 9-26-89, Cl. 310-320.000.
- Hirama, Masahiro; Tanidokoro, Hiroaki; Kitahara, Naoto; Shinohara, Yoshinori; and Hikita, Kazuyasu, to Mitsubishi Mining and Cement Co., Ltd. Multilayered ceramic capacitor. 4,868,711, 9-19-89, Cl. 361-321.000.
- Hirama, Masahiro: *See—*
  - Kitahara, Naoto; Tanidokoro, Hiroaki; Hirama, Masahiro; Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,835,656, Cl. 361-321.000.
- Hirama, Yasuo: *See—*
  - Aihara, Tsutomu; Hirama, Yasuo; and Iwamoto, Hiroaki, 4,805,866, Cl. 248-429.000.
- Hiramatsu, Akihiko, to Sony Corporation. Apparatus for storing digital data. 4,873,588, 10-10-89, Cl. 360-47.000.
- Hiramatsu, Akira; Kawahata, Takashi; Mukohjima, Hitoshi; and Washima, Koichi, to Canon Kabushiki Kaisha. Film reading apparatus which reads an unexposed portion of a film to determine its type. 4,829,371, 5-9-89, Cl. 358-80.000.
- Hiramatsu, Akira: *See—*
  - Mukohjima, Hitoshi; and Hiramatsu, Akira, 4,831,305, Cl. 310-323.000.
  - Sato, Yuichi; Tsunekawa, Tokuichi; Hiramatsu, Akira; Katsuma, Makoto; Yamada, Shigeki; and Kobayashi, Takeshi, 4,833,544, Cl. 358-287.000.
- Hiramatsu, Eiji: *See—*
  - Fukura, Kenichi; Hiramatsu, Eiji; and Nishimura, Akira, 4,796,164, Cl. 362-66.000.
- Hiramatsu, Hajime: *See—*
  - Yano, Mitsuru; Hiramatsu, Hajime; and Takaki, Hiroshi, 4,834,550, Cl. 374-57.000.
- Hiramatsu, Hiromichi; Odashima, Hitoshi; Hirayama, Kuniaki; and Ohji, Toshio, to Hitachi, Ltd. Method and apparatus for mounting coils inside a hollow cylindrical article. 4,882,833, 11-28-89, Cl. 29-596.000.
- Hiramatsu, Keiji, to Kam Kwong Lee Limited. Bar code and read-out method thereof. 4,812,631, 3-14-89, Cl. 235-467.000.
- Hiramatsu, Rihei; Imano, Seiji; Watanabe, Kazushi; and Takeishi, Shinzo, to Nemic Lambda Co., Ltd.; Densetsu Co., Ltd; and Yutaka Electric Mfg. Co., Ltd. Starting circuit of self-excited inverter. 4,888,672, 12-19-89, Cl. 363-49.000.
- Hiramatsu, Takeo; Takamiya, Bonnosuke; and Tanaka, Yuichi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Method of controlling hydraulic pressure for an automatic transmission gear system. 4,813,307, 3-21-89, Cl. 74-866.000.
- Hiramatsu, Takeo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Hydraulic transmission coupling apparatus. 4,829,769, 5-16-89, Cl. 60-721.000.
- Hiramatsu, Takeo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Power transmission apparatus for vehicle of four-wheel drive type. 4,881,626, 11-21-89, Cl. 192-60.000.
- Hiramatsu, Tohru; Tami, Kazuya; and Ohchi, Torao, to Tokyo Juki Industrial Co., Ltd. Automatic sewing machine exclusively used for sewing zipper on workpiece. 4,848,255, 7-18-89, Cl. 112-147.000.
- Hiramatsu, Tohru; Higuchi, Tomitake; and Nishimura, Akira, to Toray Industries, Inc. Thread of carbon fiber. 4,850,186, 7-25-89, Cl. 57-236.000.
- Hiramatsu, Tohru; Tami, Kazuya; and Ohchi. Torao, to Okyo Juki Industrial Co., Ltd. Automatic sewing machine exclusively used for sewing zipper on workpiece. 4,854,251, 8-8-89, Cl. 112-121.120.
- Hiramatsu, Tohru, to Juki Corporation. Method of and apparatus for controlling sewing rate in sewing machine. 4,883,008, 11-28-89, Cl. 112-262.100.
- Hiramatsu, Tooru; Tami, Kazuya; and Tobita, Shigeru, to Juki Corporation. Method and apparatus for attaching a zipper to a garment. 4,803,937, 2-14-89, Cl. 112-265.200.
- Hiramatsu, Tooru; and Tobita, Shigeru, to Tokyo Juki Industrial Co., Ltd. Apparatus for setting a workpiece correctly on a skirt-zipper sewing machine. 4,821,658, 4-18-89, Cl. 112-114.000.
- Hiramatsu, Tooru; and Tobita, Shigeru, to Juki Corporation. Apparatus for setting a workpiece on a zipper sewing machine. 4,843,984, 7-4-89, Cl. 112-114.000.
- Hiramatsu, Tooru; and Tobita, Shigeru, to Juki Corporation. Apparatus for turning over a garment flap. 4,843,985, 7-4-89, Cl. 112-147.000.
- Hiramatsu, Tooru; and Tobita, Shigeru, to Tokyo Juki Industrial Co., Ltd. Method for setting a workpiece correctly on a skirt-zipper sewing machine. 4,870,918, 10-3-89, Cl. 112-265.200.
- Hiramatsu, Toshiyuki; Azuma, Shizuo; Nakagawa, Koji; and Ichikawa, Yataro, to Teijin, Limited. Phenoxyacetic acids and herbicides comprising them as active ingredients. 4,812,163, 3-14-89, Cl. 71-92.000.
- Hiramatsu, Toshiyuki: *See—*
  - Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,838,923, Cl. 71-86.000.
  - Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,845,264, Cl. 560-053.000.
  - Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; Yamaji, Teizo; and Ichikawa, Yataro, 4,846,877, Cl. 71-92.000.
- Hiramatsu, Yasuji: *See—*
  - Udagawa, Tsunekazu; Hiramatsu, Yasuji; Nakasone, Hidetaka; and Yamada, Yoshio. 4,869,516, Cl. 277-234.000.
- Hirami, Ichiro: *See—*
  - Hirata, Toichi; Haga, Masakazu; Hirami, Ichiro; and Yoshida, Kuniaki, 4,881,450, Cl. 91-459.000.
- Hiramitsu, Tetsushi; Ono, Satoshi; Hirano, Atsuo; and Murase, Zenzaburo, to Toyoda Gosei Co., Ltd. Steering wheel. 4,796,482, 1-10-89, Cl. 74-492.000.
- Hiramitsu, Tetsushi: *See—*
  - Hayashi, Chikahisa; Inui, Shuji; Hiramitsu, Tetsushi; Hirano, Atsuo; and Kantoh, Takanori, 4,804,857, Cl. 307-10.00R.
- Hiramoto, Jun: *See—*
  - Hosono, Masayuki; Waragai, Kengi; and Hiramoto, Jun, 4,860,638, Cl. 91-536.000.
- Hiramoto, Jun-ichi; and Tsuno, Koichi, to Sumitomo Electric Industries, Ltd. Grooved optical transmission channel. 4,826,280, 5-2-89, Cl. 350-96.260.
- Hiramoto, Seigo; Hamada, Osamu; Morita, Takeshi; and Ohmine, Megumi, to Mitsubishi Denki Kabushiki Kaisha. Process for coating a workpiece with a ceramic material. 4,816,293, 3-28-89, Cl. 427-53.100.
- Hiramoto, Seigo: *See—*
  - Morita, Takeshi; Hiramoto, Seigo; and Ohmine, Megumi, 4,810,525, Cl. 427-53.100.
  - Moriyasu, Masaharu; Morita, Takeshi; Hiramoto, Seigo; Hamada, Osamu; and Ohmine, Megumi, 4,825,035, Cl. 219-121.610.
- Hiramoto, Tsutomu; Fukasawa, Satoshi; Kubodera, Takeshi; Hirose, Kimimoto; Shinozaki, Sohji; and Yasufuku, Yoshitaka, to Konishiroku Photo Industry Co., Ltd. Hanger. 4,832,301, 5-23-89, Cl. 248-359.00H.
- Hirano, Akira: *See—*
  - Fujiwara, Yoshiro; Endo, Michiko; Kojima, Yuji; Wakatsuki, Noboru; Hirano, Akira; and Komenou, Kazunari, 4,810,965, Cl. 324-208.000.

- Hirano, Atsuo: *See—*
  - Hayashi, Chikahisa; Inui, Shuji; Hiramitsu, Tetsushi; Hirano, Atsuo; and Kantoh, Takanori, 4,804,857, Cl. 307-10.00R.
  - Hiramitsu, Tetsushi; Ono, Satoshi; Hirano, Atsuo; and Murase, Zenzaburo, 4,796,482, Cl. 74-492.000.
- Hirano, Atsushi: *See—*
  - Mae, Yoshiharu; Oka, Tsutomu; and Hirano, Atsushi, 4,889,170, Cl. 148-407.000.
- Hirano, Hiroshi; and Okamura, Kazuhisa, to Yamaha Corporation. Method and apparatus for synthesizing music tones with high harmonic content. 4,813,326, 3-21-89, Cl. 84-1.010.
- Hirano, Hiroshi: *See—*
  - Hirai, Shiro; Hirano, Hiroshi; Arai, Hirotoshi; Shibata, Hisanari; Kusayanagi, Yoshikazu; and Hashiba, Kazuhiko, 4,871,765, Cl. 514-471.000.
  - Nomura, Tomohiko; Shimizu, Hitoshi; Inoue, Hiroshi; Ishizuka, Yoshimi; and Hirano, Hiroshi, 4,816,501, Cl. 523-406.000.
  - Yashiki, Seiji; Hirano, Hiroshi; and Sasaki, Kazutomo, 4,883,034, Cl. 123-339.000.
- Hirano, Hiroyuki; and Funamoto, Kyota, to Pioneer Electronic Corporation. Programmed reproduction system for still picture recording/reproduction device. 4,845,571, 7-4-89, Cl. 358-342.000.
- Hirano, Hiroyuki: *See—*
  - Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  - Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
  - Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takatori, Kazuhiro, 4,887,461, Cl. 73-118.100.
  - Yokogawa, Fumihiko; Hirano, Hiroyuki; and Motoyama, Akira, 4,860,271, Cl. 369-44.000.
  - Yokogawa, Fumihiko; Hirano, Hiroyuki; and Kinpara, Keiji, 4,872,155, Cl. 369-59.000.
- Hirano, Kenichi: *See—*
  - Kosaka, Akira; Murao, Sawao; Hirano, Kenichi; Tanaka, Noriaki; and Matsunaga, Kuniyoshi, 4,839,279, Cl. 435-25.000.
- Hirano, Kouzi: *See—*
  - Yoshida, Kageo; Nittani, Osamu; Ito, Toshinobu; Kokura, Makoto; and Hirano, Kouzi, 4,842,743, Cl. 210-634.000.
- Hirano, Masachika: *See—*
  - Tsushima, Kazunori; Matsuo, Noritada; Tanabe, Yoo; Yano, Toshihiko; and Hirano, Masachika, 4,840,971, Cl. 514-721.000.
- Hirano, Masami: *See—*
  - Nohara, Shigezo; Hirata, Sadao; Matsuo, Junichi; Hirano, Masami; and Tanikawa, Isao, 4,798,697, Cl. 264-255.000.
- Hirano, Masanori; and Inada, Hiroshi, to Noritake Co., Limited. Zirconia base ceramics. 4,820,666, 4-11-89, Cl. 501-104.000.
- Hirano, Masayasu: *See—*
  - Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujino, Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamura, Kunio, 4,855,779, Cl. 354-412.000.
  - Naruse, Kazuhiko; Kataoka, Akira; Hirano, Masayasu; and Takata, Naoya, 4,821,338, Cl. 455-617.000.
- Hirano, Mikio: *See—*
  - Nishino, Toshikazu; Miyake, Mutsuko; Kawabe, Ushio; Harada, Yutaka; Aoki, Masaaki; and Hirano, Mikio, 4,884,111, Cl. 357-05.000.
- Hirano, Mitsunori: *See—*
  - Okutsu, Eiichi; Yagihara, Morio; Hirano, Mitsunori; and Hayashi, Katsumi, 4,833,064, Cl. 430-267.000.
  - Okutsu, Eiichi; and Hirano, Mitsunori, 4,859,567, Cl. 430-265.000.
- Hirano, Muneyoshi: *See—*
  - Komori, Akihiro; and Hirano, Muneyoshi, 4,877,076, Cl. 160-107.000.
  - Komori, Akihiro; and Hirano, Muneyoshi, 4,884,613, Cl. 160-107.000.
- Hirano, Norimitsu: *See—*
  - Shiraki, Manabu; and Hirano, Norimitsu, 4,876,472, Cl. 310-198.000.
- Hirano, Ryoichi: *See—*
  - Uchida, Norio; Ishibashi, Yoriyuki; Hirano, Ryoichi; Masuyama, Masayuki; and Shimozono, Hiroaki, 4,838,693, Cl. 356-356.000.
- Hirano, Ryotaro: *See—*
  - Shimizu, Isoo; Hirano, Ryotaro; Matsumura, Yasuo; Nomura, Hideki; Uchida, Kazumichi; and Sato, Atsushi, 4,827,065, Cl. 585-25.000.
- Hirano, Sadashi: *See—*
  - Kako, Mitsumasa; and Hirano, Sadashi, 4,803,315, Cl. 200-5.00A.
- Hirano, Sadayuki: *See—*
  - Murano, Katsuaki; Hirano, Sadayuki; Yamashita, Yoshinori; Tatsumi, Takumi; and Yamamoto, Hiroaki, 4,856,380, Cl. 74-866.000.
- Hirano, Shigeo; Murai, Ashita; and Suzuki, Seiji, to Fuji Photo Film Co., Ltd. Silver halide photographic material with heterocyclic quaternary ammonium nucleating agent. 4,828,973, 5-9-89, Cl. 430-598.000.
- Hirano, Shigeo; Kojima, Tetsuro; Yamamoto, Mitsuru; Inoue, Noriyuki; and Heki, Tatsuo, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,859,579, 8-22-89, Cl. 430-598.000.
- Hirano, Shigeo; Inoue, Noriyuki; and Heki, Tatsuo, to Fuji Photo Film Co., Ltd. Silver halide photographic material comprising a specified nucleating agent. 4,877,723, 10-31-89, Cl. 430-598.000.
- Hirano, Shigeo: *See—*
  - Heki, Tatsuo; Inoue, Noriyuki; and Hirano, Shigeo, 4,880,729, Cl. 430-410.000.
  - Ichijima, Seiji; and Hirano, Shigeo, 4,814,261, Cl. 430-544.000.
  - Inoue, Noriyuki; Heki, Tatsuo; and Hirano, Shigeo, 4,835,091, Cl. 430-378.000.
  - Ishiguro, Shoji; Hirano, Shigeo; Shishido, Tadao; and Miyake, Akio, 4,873,172, Cl. 430-264.000.
  - Miyata, Junji; Kuwabara, Kenichi; Takahashi, Toshiro; Inagaki, Yoshio; and Hirano, Shigeo, 4,847,180, Cl. 430-264.000.
- Hirano, Shunji: *See—*
  - Murashima, Hirotsugu; Maeda, Satoru; and Hirano, Shunji, 4,841,370, Cl. 358-227.000.
- Hirano, Taichi, to Prince Tsushinkogyo Limited. Sound effector. 4,879,937, 11-14-89, Cl. 84-699.000.
- Hirano, Takaaki: *See—*
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
- Hirano, Takahisa; Hagimoto, Kiyoshi; and Takeda, Kimiharu, to Mitsubishi Jukogyo Kabushiki Kaisha. Scroll-type fluid machine with specific inner curve segments. 4,856,973, 8-15-89, Cl. 418-55.000.
- Hirano, Takao: *See—*
  - Fukukawa, Kiyofumi; Hirano, Takao; Tsujino, Masatoshi; and Ueda, Tooru, 4,816,575, Cl. 544-277.000.
- Hirano, Takashi; and Kojima, Atsushi, to Kowa Company Limited. Eye fixation monitor. 4,854,694, 8-8-89, Cl. 351-224.000.
- Hirano, Tetsuji: *See—*
  - Inoue, Hiroshi; Hirano, Tetsuji; Muramatsu, Tadao; and Narahara, Yasuji, 4,869,861, Cl. 264-204.000.
- Hirano, Tomohiro: *See—*
  - Suzuki, Hitoshi; Hirano, Tomohiro; Goto, Kenichi; and Watanabe, Yoshimi, 4,846,124, Cl. 123-195.00P.
- Hirano, Toshimi: *See—*
  - Nishioka, Akira; Hirano, Toshimi; and Akiyama, Keiji, 4,845,008, Cl. 430-165 000.
- Hirano, Toshio, to Pioneer Electronic Corporation. Dual-sized disk player. 4,796,251, 1-3-89, Cl. 369-75.200.
- Hirano, Toshio, to Pioneer Electronic Corporation. Disk detecting apparatus. 4,797,869, 1-10-89, Cl. 369-75.200.
- Hirano, Tsugutoshi, to Kabushiki Kaisha Hirano Seisakusho. Meat tenderizing device. 4,870,717, 10-3-89, Cl. 17-31.000.
- Hirano, Tsumoru: *See—*
  - Nakamura, Taku; Hirano, Tsumoru; and Funatsu, Eiji, 4,820,610, Cl. 430-270.000.
  - Yamanouchi, Junichi; Ono, Shigetoshi; Hirano, Tsumoru; Watanabe, Toshiyuki; Sakai, Nobuo; and Mihayashi, Keiji, 4,874,689, Cl. 430-548.000.
- Hirano, Yasuhiro: *See—*
  - Fukinuki, Takahiko; Hirano, Yasuhiro; Yoshigi, Hiroshi; and Juen, Hidehiko, 4,885,631, Cl. 358-21.00R.
- Hirano, Yasuo; Nojima, Kazuo; and Orihara, Motoi, to Ricoh Co., Ltd. Developing apparatus. 4,833,058, 5-23-89, Cl. 430-120.000.
- Hirano, Yasuyuki: *See—*
  - Kumasaka, Taiichi; Hirano, Yasuyuki; Ozaki, Katsuhiko; and Sawada, Koichi, 4,799,416, Cl. 83-397.000.
- Hirano, Yoshiaki; and Hieda, Teruo, to Canon Kabushiki Kaisha. Image pickup device with reduced fixed pattern noise. 4,857,996, 8-15-89, Cl. 358-48.000.
- Hirano, Yoshiyuki: *See—*
  - Seo, Yosuke; Hirano, Yoshiyuki; Aoi, Hajime; Tamura, Takashi; and Nakabayashi, Kazuyoshi, 4,851,939, Cl. 360-77.020.
- Hiranuma, Kenji: *See—*
  - Ai, Minoru; Hiranuma, Kenji; Obana, Jinichi; and Ito, Toshio, 4,795,345, Cl. 433-202.100.
- Hiranuma, Satoshi: *See—*
  - Murakami, Shoji; Koide, Kiichiro; Inoue, Kyoichi; Hiranuma, Satoshi; and Osada, Toshihiko, 4,831,466, Cl. 360-67.000.
- Hirao, Akiko: *See—*
  - Onishi, Yasunobu; Hayase, Shuji; Horiguchi, Rumiko; and Hirao, Akiko, 4,822,716, Cl. 430-192.000.
- Hirao, Hiroshi: *See—*
  - Suzuki, Yasuo; Suzuki, Yasuaki; and Hirao, Hiroshi, 4,809,224, Cl. 365-94.000.
- Hirao, Kenichi: *See—*
  - Takada, Takashi; Hirao, Kenichi; Tanaka, Hiroyoshi; and Suzuki, Mitsuo, 4,861,659, Cl. 428-364.000.
- Hirao, Motohisa: *See—*
  - Ohishi, Aiko; Hirao, Motohisa; Chinone, Naoki; Tsuji, Shinji; Nakamura, Hitoshi; and Matsumura, Hiroyoshi, 4,841,536, Cl. 372-46.000.
- Hirao, Shozo; Usui, Hiroaki; Ohta, Yoshihiro; Nakai, Takashi; Ishikawa, Hiroyuki; and Konishi, Satoru, to Matsushita Electric Works, Ltd. Method of manufacturing modified wood material. 4,857,365, 8-15-89, Cl. 427-297.000.
- Hirao, Shunro: *See—*
  - Masuko, Toshikazu; Masuko, Teruo; and Hirao, Shunro, 4,850,291, Cl. 111-7.200.
- Hirao, Sumio: *See—*
  - Tsuchida, Hirofumi; Tanaka, Toshiaki; Oyamada, Akira; and Hirao, Sumio, 4,875,444, Cl. 123-270.000.

- Hirao, Tadashi, to Mitsubishi Denki Kabushiki Kaisha. Bipolar transistor integrated circuit and method of manufacturing the same. 4,803,174, 2-7-89, Cl. 437-31.000.
- Hirao, Tadashi, to Mitsubishi Denki Kabushiki Kaisha. Method of making self aligned external and active base regions in I.C. processing. 4,812,417, 3-14-89, Cl. 437-31.000.
- Hirao, Takashi: *See—*
  - Fuse, Genshu; Hirao, Takashi; and Ohzone, Takashi, 4,861,729, Cl. 437-18.000.
  - Ishihara, Shinichiro; Kitagawa, Masatoshi; and Hirao, Takashi, 4,800,174, Cl. 437-101.000.
  - Yoshida, Akihisa; Setsune, Kentaro; and Hirao, Takashi, 4,859,908, Cl. 315-111.810.
- Hirao, Yoshiaki; Kuga, Ryuichiro; Miura, Teruyoshi; and Nagaoka, Yoshitomi, to Matsushita Electric Industrial Co., Ltd. Video camera with high-speed scanning. 4,849,813, 7-18-89, Cl. 358-137.000.
- Hirao, Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shusuke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiromichi, to Matsushita Electric Industrial Co., Ltd. Semiconductor light position detector for rangefinder. 4,850,692, 7-25-89, Cl. 356-1.000.
- Hirao, Yutaka; Uriyu, Katuhiro; Takechi, Kazuo; and Uemura, Yahiro, to Green Cross Corporation. Process for heat treating chemically unmodified gamma-globulin. 4,845,199, 7-4-89, Cl. 530-387.000.
- Hirao, Yutaka; Takechi, Kazuo; Uriyu, Katuhiro; and Uemura, Yahiro, to Green Cross Corporation. Gamma-globulin injectable solutions containing sorbitol. 4,876,088, 10-24-89, Cl. 424-85.800.
- Hirao, Yuzo: *See—*
  - Hatono, Shunsou; Yazaki, Akira; Yokomoto, Masaharu; and Hirao, Yuzo, 4,810,422, Cl. 260-397.100.
- Hiraoka, Fumio: *See—*
  - Taniguchi, Masaru; Saito, Hiroaki; Yamaguchi, Yutaka; Hiraoka, Fumio; and Nakamura, Ikuro, 4,800,155, Cl. 435-7.000.
- Hiraoka, Hiroshi: *See—*
  - Sakao, Shingo; Tone, Eiichi; Fujisawa, Shuji; Tsuda, Takeshi; Ohata, Yousuke; and Hiraoka, Hiroshi, 4,851,873, Cl. 355-245.000.
- Hiraoka, Hiroyuki: *See—*
  - Dickstein, Heidi L.; Hiraoka, Hiroyuki; and Lee, James H., 4,875,124, Cl. 360-126.000.
- Hiraoka, Isamu: *See—*
  - Shindo, Yasuhiro; Tsujimoto, Yukio; Saito, Isami; Hiraoka, Isamu; and Hirayama, Hiroshi, 4,842,654, Cl. 148-20.600.
- Hiraoka, Katsumi, to Kabushiki Kaisha Toshiba. Three-dimensional image display system using binocular parallax. 4,870,600, 9-26-89, Cl. 364-522.000.
- Hiraoka, Mizuho: *See—*
  - Imataki, Hiroyuki; Hiraoka, Mizuho; Ichikawa, Sachiko; Ogawa, Yoshihiro; and Yoshino, Hitoshi, 4,871,649, Cl. 430-270.000.
  - Imataki, Hiroyuki; Hiraoka, Mizuho; Tamura, Tomoyuki; and Satoh, Tetsuya, 4,876,042, Cl. 264-39.000.
- Hiraoka, Muneki: *See—*
  - Oki, Masaru; and Hiraoka, Muneki, 4,833,955, Cl. 82-142.000.
- Hiraoka, Nobutsugu: *See—*
  - Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teruo; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, 4,886,756, Cl. 435-199.000.
  - Obayashi, Akira; Hiraoka, Nobutsugu; Kita, Keiko; and Nakajima, Hiroshi, 4,808,531, Cl. 435-195.000.
  - Obayashi, Akira; Hiraoka, Nobutsugu; Ishizaki, Yukuo; Ohshima, Atsushi; and Kasai, Mitsuo, 4,868,115, Cl. 435-188.000.
- Hiraoka, Ryosei: *See—*
  - Matsumoto, Hidekazu; Bandoh, Tadaaki; Hiraoka, Ryosei; Morioka, Takayuki; and Miyazaki, Yoshihiro, 4,807,113, Cl. 364-200.000.
- Hiraoka, Shinitiro: *See—*
  - Matsuda, Hideo; and Hiraoka, Shinitiro, 4,838,537, Cl. 271-277.000.
  - Minami, Hisashi; Matsuda, Hideo; Shimazawa, Yoichi; and Hiraoka, Shinitiro, 4,843,433, Cl. 355-49.000.
- Hiraoka, Susumu; Suzuki, Keizo; and Nishimatsu, Shigeru, to Hitachi, Ltd. Laser surface treatment method and apparatus for practicing same. 4,828,874, 5-9-89, Cl. 427-53.100.
- Hiraoka, Susumu: *See—*
  - Suzuki, Keizo; Hiraoka, Susumu; and Nishimatsu, Shigeru, 4,886,571, Cl. 156-646.000.
- Hiraoka, Tetsuo; Seike, Shinji; Hatamura, Kouichi; and Akizuki, Minoru, to Mazda Motor Corporation. Air suction devices for multi-cylinder engines. 4,803,961, 2-14-89, Cl. 123-52.0MV.
- Hirasa, Okihiko: *See—*
  - Masuoka, Toshio; Hirasa, Okihiko; Suda, Yoshio; Onishi, Makoto; and Seita, Yukio, 4,845,132, Cl. 521-53.000.
- Hirasawa, Hideaki; and Ueda, Nobuo, to Minolta Camera Kabushiki Kaisha. Microfiche reading apparatus. 4,875,768, 10-24-89, Cl. 353-27.00A.
- Hirasawa, Junichi; Kodama, Yutaka; Komada, Kenya; and Adachi, Takefumi, to Ricoh Company, Ltd. Image forming device for electrostatic recording apparatus having a slidable replacement holding case. 4,866,482, 9-12-89, Cl. 355-260.000.
- Hirasawa, Junichi: *See—*
  - Kodama, Yutaka; and Hirasawa, Junichi, 4,853,735, Cl. 355-215.000.
- Hirasawa, Kotaro: *See—*
  - Abe, Shigeo; Bandoh, Tadaaki; Hirasawa, Kotaro; and Ide, Jushi, 4,853,890, Cl. 364-900.000.
- Hirasawa, Kunio: *See—*
  - Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, 4,847,476, Cl. 250-427.000.
- Hirasawa, Masahide: *See—*
  - Kozuki, Susumu; Takei, Masahiro; Masui, Toshiyuki; Hirasawa, Masahide; and Kashida, Motokazu, 4,803,684, Cl. 371-31.000.
  - Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; Yoshimura, Katsuji; and Sasatani, Tomohiko, 4,878,128, Cl. 358-315.000.
  - Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; and Yoshimura, Katsuji, 4,882,632, Cl. 358-330.000.
- Hirasawa, Masataka: *See—*
  - Okubo, Yasuo; and Hirasawa, Masataka, 4,797,574, Cl. 307-269.000.
- Hirasawa, Shigemi: *See—*
  - Wakita, Shoichi; and Hirasawa, Shigemi, 4,857,795, Cl. 313-402.000.
- Hirasawa, Shinichi: *See—*
  - Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,804,974, Cl. 346-76.0PH.
  - Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,845,513, Cl. 346-76.0PH.
  - Sugata, Masao; Masaki, Tatsuo, deceased; Hirasawa, Shinichi; Komuro, Hirokazu; and Yano, Yasuhiro, 4,847,639, Cl. 346-140.00R.
  - Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,851,808, Cl. 338-308.000.
  - Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,870,388, Cl. 338-308.000.
- Hirasawa, Yutaka, to Kabushiki Kaisha Toshiba. Local area network system with a multi-computer system coupled thereto and method for controlling the same. 4,887,075, 12-12-89, Cl. 340-825.030.
- Hirase, Ikuo; and Rufin, Denis, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for treating gaseous effluents coming from the manufacture of electronic components and incineration apparatus for carrying out said process. 4,886,444, 12-12-89, Cl. 431-5.000.
- Hirase, Ikuo: *See—*
  - Rufin, Denis; and Hirase, Ikuo, 4,872,944, Cl. 156-626.000.
- Hirashiba, Yuji; and Yoshihara, Mikio, to Aisin Seiki Kabushiki Kaisha. Washing device for parts of human body. 4,829,606, 5-16-89, Cl. 4-420.400.
- Hirashima, Masayoshi; Shizuya, Osamu; and Omoto, Noriaki, to Matsushita Electric Industrial Co., Ltd. Satellite receiver having improved polarization plane determination means. 4,823,135, 4-18-89, Cl. 342-362.000.
- Hirashima, Masayoshi, to Matsushita Electric Industrial Co., Ltd. Pay television system. 4,833,710, 5-23-89, Cl. 380-20.000.
- Hirashima, Suneaki: *See—*
  - Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima, Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.
- Hirashima, Toshinori: *See—*
  - Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.
- Hirata, Akio: *See—*
  - Mose, Tadao; Hirata, Akio; Saito, Suzuo; and Kikuchi, Hidehiko, 4,818,890, Cl. 290-52.000.
- Hirata, Akira: *See—*
  - Uchida, Shinya; Hirata, Akira; Ebihara, Hideyuki; Yoshikawa, Eiichi; Sano, Eisaku; and Uehara, Kazuhiro, 4,854,452, Cl. 209-534.000.
- Hirata, Atsuomi; Nakamura, Yoshihiko; and Morii, Kensaku, to Matsushita Electric Works, Ltd. Plastic molded pin grid chip carrier package. 4,868,638, 9-19-89, Cl. 357-72.000.
- Hirata, Atsuomi; and Mamiya, Hirokuni, to Matsushita Electric Works, Ltd. Plastic molded chip carrier package and method of fabricating the same. 4,890,152, 12-26-89, Cl. 357-72.000.
- Hirata, Atsushi; Fukase, Hisahiko; Matsui, Kunio; and Nomura, Akihiro, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Pouring device for dual-roll type continuous casting machines. 4,865,115, 9-12-89, Cl. 164-428.000.
- Hirata, Atsushi: *See—*
  - Matsui, Kunio; Fukase, Hisahiko; Hirata, Atsushi; and Nomura, Akihiro, 4,883,113, Cl. 164-428.000.
  - Nomura, Akihiro; Fukase, Hisahiko; Matsui, Kunio; and Hirata, Atsushi, 4,804,037, Cl. 164-449.000.
- Hirata, Eiichi: *See—*
  - Nonaka, Wataru; and Hirata, Eiichi, 4,837,647, Cl. 360-92.000.
- Hirata, Fumio: *See—*
  - Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mohri, Tetsuya; Hayashi, Masaki; Terashima, Hiroshi; Hirata, Fumio; and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.
- Hirata, Haruhisa; Okada, Hirosuke; and Negoro, Seiji, to Wakamoto Pharmaceutical Co., Ltd. Gene coding for thermostable beta-galactosidase, Bacillus subtilis having the gene, enzyme coded by the gene and a process for the production thereof. 4,861,718, 8-29-89, Cl. 435-207.000.
- Hirata, Hideyuki, to NEC Corporation. Frame relay type data switching apparatus. 4,890,280, 12-26-89, Cl. 370-60.000.

- Hirata, Hisao; Yokomizo, Shojiro; Mitsuhori, Hirokazu; and Murano, Tadao, to Topy Kogyo Kabushiki Kaisha. Work delivering apparatus. 4,821,865, 4-18-89, Cl. 198-368.000.
- Hirata, Hisao: *See*—
  - Murano, Tadao; Hirata, Hisao; Hayakawa, Toshimitsu; and Saito, Takeshi, 4,841,622, Cl. 29-525.000.
- Hirata, Junichi: *See*—
  - Kitaoka, Susumu; Andoh, Haruo; and Hirata, Junichi, 4,857,417, Cl. 428-694.000
- Hirata, Kazuhiko: *See*—
  - Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.
- Hirata, Kazumasa: *See*—
  - Yabe, Nobol; Hirata, Kazumasa; Mori, Shuri; and Yamauchi, Ker 4,809,078, Cl. 358-236.000.
- Hirata, Keiiti; Morimoto, Yoshinari; Ban, Tomohiro; Furushima, Tokihito; Miura, Tomoko; and Ikeda, Yoshie, to Brother Kogyo Kabushiki Kaisha. Document processing apparatus. 4,839,827, 6-13-89, Cl. 364-518.000.
- Hirata, Kengo; and Ishifuro, Katsumi, to Sharp Kabushiki Kaisha. Microwave oven with heating chamber temperature detecting circuit. 4,857,686, 8-15-89, Cl. 219-10.55B.
- Hirata, Kengo: *See*—
  - Ishifuro, Kathumi; and Hirata, Kengo, 4,831,225, Cl. 219-10.55B.
- Hirata, Kenji: *See*—
  - Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
- Hirata, Kiminori: *See*—
  - Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, 4,837,217, Cl. 514-252.000.
  - Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,874,861, Cl. 544-229.000.
  - Taniguchi, Masakazu; Hirose, Masayoshi; Baba, Masatoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,877,787, Cl. 514-247.000.
- Hirata, Kimio; and Saito, Yasuo, to Toshiba Monofrax Co., Ltd. Refractory unit for a heat regenerator. 4,874,034. 10-17-89, Cl. 165-9.100.
- Hirata, Koichi: *See*—
  - Yoshimura, Motokazu; Hirata, Koichi; and Kurebayashi, Kimie, 4,796,185, Cl. 364-419.000.
- Hirata, Koji: *See*—
  - Fukuda, Kyohei; Yoshikawa, Hiroki; Mori, Shigeru; Hirata, Koji; and Sakurai, Soichi, 4,824,224, Cl. 350-432.000.
  - Fukuda, Kyohei; Sakurai, Soichi; Hirata, Koji; and Mori, Shigeru, 4,884,879, Cl. 350-432.000.
- Hirata, Makizo: *See*—
  - Fujikawa, Tetsuzo; Hirata, Makizo; and Tamba, Shinichi, 4,889,089, Cl. 123-195.0HC.
- Hirata, Makoto: *See*—
  - Mizutani, Tomoji; Isozaki, Hideo; Hirata, Makoto; and Fukushima, Hitoshi, 4,801,652, Cl. 525-240.000.
- Hirata, Michiyuki: *See*—
  - Ohno, Chikai; and Hirata, Michiyuki, 4,882,712, Cl. 365-206.000.
- Hirata, Miyoshi: *See*—
  - Ushizawa, Koji; Maki, Akemichi; Akimoto, Toshiyuki; Nagasaki, Senkichi; and Hirata, Miyoshi, 4,816,394, Cl. 435-26.000.
- Hirata, Naonori: *See*—
  - Arai, Kenji; Morita, Kouichi; Mito, Nobuaki; and Hirata, Naonori, 4,888,042, Cl. 71-88.000.
  - Tomioka, Hiroki; Ooishi, Tadashi; and Hirata, Naonori, 4,843,090, Cl. 514-388.000.
- Hirata, Nobuyuki: *See*—
  - Tanjo, Toru; Yamanaka, Toshio; Wakikaido, Takahiro; Hatano, Masaru; Hirata, Nobuyuki; and Kamidaira, Kazuya, 4,811,050, Cl. 355-3.0CH.
- Hirata, Noritsugu: *See*—
  - Ogino, Shigeru; Hirata, Noritsugu; and Ushiro, Tatsuzo, 4,801,830, Cl. 310-68.00B.
- Hirata, Noriyuki: *See*—
  - Tamai, Kouichi; Motokawa, Shigeyuki; and Hirata, Noriyuki, 4,850,216, Cl. 73-37.600.
- Hirata, Sadao; and Watanabe, Yoshihiko, to Toyo Seikan Kaisha, Ltd. Polyester vessel and package. 4,820,795, 4-11-89, Cl. 528-272.000.
- Hirata, Sadao: *See*—
  - Hirata, Shunsaku; Nohara, Shigezo; and Hirata, Sadao, 4,818,575, Cl. 428-36.700.
  - Igarashi, Reiko; Watanabe, Yoshihiko; and Hirata, Sadao, 4,837,115, Cl. 428-36.920.
  - Nohara, Shigezo; Hirata, Sadao; Matsuo, Junichi; Hirano, Masami; and Tanikawa, Isao, 4,798,697, Cl. 264-255.000.
  - Nohara, Shigezo; Hirata, Sadao; Sugimoto, Takeshi; and Ohkubo, Yoshimichi, 4,816,304, Cl. 428-36.700.
- Hirata, Sayoko: *See*—
  - Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki; Hirata, Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Ohnishi, Masaru, 4,839,667, Cl. 346-76.0PH.
- Hirata, Seiichi: *See*—
  - Yamaji, Yasuhiro; Takahashi, Kenji; Hirata, Seiichi; and Sakurai, Toshiharu, 4,855,807, Cl. 357-72.000.
- Hirata, Shigeyuki: *See*—
  - Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tatsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, 4,861,409, Cl. 156-308.200.
- Hirata, Shinji: *See*—
  - Iwata, Hiroshi; and Hirata, Shinji, 4,847,538, Cl. 315-241.00P.
- Hirata, Shoji; and Honda, Kazuo, to Sony Corp. Distributed-feedback type semiconductor laser. 4,807,245, 2-21-89, Cl. 372-96.000.
- Hirata, Shoji, to Sony Corporation. Distributed feedback semiconductor laser. 4,833,687, 5-23-89, Cl. 372-96.000.
- Hirata, Shoji, to Sony Corporation. Semiconductor laser device. 4,888,784, 12-19-89, Cl. 372-46.000.
- Hirata, Shunsaku; Nohara, Shigezo; and Hirata, Sadao, to Toyo Seikan Kaisha, Ltd. Biaxially drawn polyester vessel having resistance to heat distortion and gas barrier properties and process for preparation thereof. 4,818,575, 4-4-89, Cl. 428-36.700.
- Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, to Amada Company, Limited. Line position detecting apparatus for detecting a V-shaped indent. 4,803,372, 2-7-89, Cl. 250-561.000.
- Hirata, Tadashi: *See*—
  - Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,822,882, Cl. 544-342.000.
  - Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,879,386, Cl. 544-343.000.
- Hirata, Tatsushiro; and Uba, Tomohisa, to Sony Corporation. Cathode ray tube with internal double-wall magnetic shield. 4,882,516, 11-21-89, Cl. 313-407.000.
- Hirata, Terukage: *See*—
  - Takasugi, Naoyuki; Ushijima, Mitsuyasu; Inoue, Satoshi; and Hirata, Terukage, 4,816,481, Cl. 514-470.000.
- Hirata, Terutaka; Odohira, Tetsu; and Nishikawa, Tadashi, to Yokogawa Electric Corporation. Semiconductor pressure converter. 4,800,759, 1-31-89, Cl. 73-708.000.
- Hirata, Toichi; Tanaka, Hideaki; Sugiyama, Genroku; and Satoh, Shinichi, to Hitachi Construction Machinery Co., Ltd. Hydraulic pilot operated directional control valve. 4,832,082, 5-23-89, Cl. 137-625.660.
- Hirata, Toichi; Haga, Masakazu; Hirami, Ichiro; and Yoshida, Kuniaki, to Hitachi Construction Machinery Co., Ltd. Drive control system for hydraulic machine. 4,881,450, 11-21-89, Cl. 91-459.000.
- Hirata, Toichi: *See*—
  - Satoh, Shinichi; Hirata, Toichi; Sugiyama, Genroku; and Tanaka, Hideaki, 4,858,649, Cl. 137-625.600.
  - Sugiyama, Genroku; Hirata, Toichi; and Satoh, Shinichi, 4,875,337, Cl. 60-421.000.
- Hirata, Tsuyoshi: *See*—
  - Tsubakimoto, Tsuneo; Tahara, Hideyuki; Kobayashi, Hiroya; Hirata, Tsuyoshi; and Ito, Hiroshi, 4,870,120, Cl. 524-5.000.
- Hirata, Yasuyuki: *See*—
  - Misawa, Masayuki; Ogasawara, Toshio; Sagane, Masahiko; Hirata, Yasuyuki; and Kume, Masafumi, 4,840,715, Cl. 204-181.100.
- Hirata, Yoshihiro, to Kabushiki Kaisha Toshiba. Apparatus having a dial calling function and operable to identify picture image signals not yet transmitted to a called selected destination party. 4,856,052, 8-8-89, Cl. 379-100.000.
- Hirata, Yoshimasa: *See*—
  - Uemura, Daisuke; Yamamoto, Toshihiro; Watanabe, Takeshi; Okanishi, Masanori; and Hirata, Yoshimasa, 4,835,176, Cl. 514-456.000.
- Hiratani, Kazuhisa: *See*—
  - Sugihara, Hideki; Hiratani, Kazuhisa; and Okade, Tatsuhiro, 4,861,455, Cl. 204-418.000.
- Hirate, Naoyuki: *See*—
  - Matsunaga, Hideki; and Hirate, Naoyuki, 4,886,966, Cl. 250-288.000.
- Hiratsuka, Hachiro; Matsushita, Yoshiaki; and Yoshii, Shintaro, to Kabushiki Kaisha Toshiba. Insulation film for a semiconductor device. 4,837,610, 6-6-89, Cl. 357-52.000.
- Hiratsuka, Nobuo, to Fuji Photo Film Co., Ltd. Competitive binding immunoassay process. 4,868,131, 9-19-89, Cl. 436-528.000.
- Hiratsuka, Noriko: *See*—
  - Okuda, Reiichi; Komatsu, Masashi; Asanuma, Shin; and Hiratsuka, Noriko, 4,830,616, Cl. 433-217.100.
- Hiratsuka, Ryuichi: *See*—
  - Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
- Hiratsuka, Seiichiro; Haneda, Satoshi; and Shoji, Hisashi, to Konishiroku Photo Industry Co., Ltd. Developing method for electrostatic images using composite component developer under non-contacting conditions. 4,797,335, 1-10-89, Cl. 430-35.000.
- Hiratsuka, Seiichiro; Haneda, Satoshi; and Shoji, Hisashi, to Konishiroku Photo Industry Co., Ltd. Multi-color image forming method and apparatus. 4,803,514, 2-7-89, Cl. 355-4.000.
- Hiratsuka, Seiichiro; Matsunawa, Masahiko; and Abe, Yoshinori, to Konishiroku Photo Industry Co., Ltd. Halftone image estimation methods for dither images. 4,803,558, 2-7-89, Cl. 358-283.000.
- Hiratsuka, Seiichiro; Yoshino, Kunihisa; Haneda, Satoshi; and Shoji, Hisashi, to Konica Corporation. Image forming apparatus. 4,841,337, 6-20-89, Cl. 355-157.000.

- Hiratsuka, Seiichiro; and Matsunawa, Masahiko, to Konishiroku Photo Industry Co., Ltd. Continuous image estimation method. 4,841,377, 6-20-89, Cl. 358-283.000.
- Hiratsuka, Seiichiro: *See*—
  - Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, 4,803,518, Cl. 355-4.000.
  - Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, 4,841,332, Cl. 355-251.000.
  - Shoji, Hisashi; Haneda, Satoshi; and Hiratsuka, Seiichiro, 4,839,692, Cl. 355-211.000.
- Hiratsuka, Shigetoshi: *See*—
  - Iizuka, Hisao; Hiratsuka, Shigetoshi; Tanno, Kiyohiko; Satou, Teruji; and Ashizuka, Norihiro, 4,829,321, Cl. 346-107.00R.
- Hiratsuka, Shoji: *See*—
  - Nakatsugawa, Kenji; Katayama, Aiichi; Sekiya, Hitoshi; and Hiratsuka, Shoji, 4,797,936, Cl. 382-1.000.
- Hiratsuka, Toshiro: *See*—
  - Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,821,006, Cl. 333-202.000.
  - Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,839,773, Cl. 361-321.000.
- Hirayama, Akihiko: *See*—
  - Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,806,429, Cl. 428-403.000.
  - Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,851,292, Cl. 428-403.000.
- Hirayama, Chikara: *See*—
  - Lin, Ching-Yu; and Hirayama, Chikara, 4,828,672, Cl. 204-424.000.
- Hirayama, Chuichi; Motozato, Yoshiaki; and Ihara, Hirotaka, to Hirayama, Chuichi; Motozato, Yoshiaki; Ihara, Hirotaka; Juridical Foundation The Chemo-Sero-Therapeutic Research Institute; and Mitsui Toatus Chemical, Inc. Spherical grains of polyamino acid and production method thereof. 4,840,975, 6-20-89, Cl. 521-183.000.
- Hirayama, Hirokazu: *See*—
  - Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,811,269, Cl. 364-754.000.
  - Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,839,846, Cl. 364-748.000.
- Hirayama, Hiromitsu, to NEC Corporation. GaAs field effect transistor having a WSi Schottky gate electrode improved for high-speed operation. 4,857,975, 8-15-89, Cl. 357-22.000.
- Hirayama, Hiromitsu: *See*—
  - Takahashi, Minoru; Sudou, Kiyoto; and Hirayama, Hiromitsu, 4,850,534, Cl. 239-102.200.
- Hirayama, Hiroshi: *See*—
  - Shindo, Yasuhiro; Tsujimoto, Yukio; Saito, Isami; Hiraoka, Isamu; and Hirayama, Hiroshi, 4,842,654, Cl. 148-20.600.
- Hirayama, Hiroyuki: *See*—
  - Konno, Chisato; Umetani, Yukio; Hirayama, Hiroyuki; and Ohta, Tadashi, 4,819,161, Cl. 364-300.000.
- Hirayama, Katsuhisa: *See*—
  - Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
- Hirayama, Kazutoshi; Ozaki, Hideyuki; Fujishima, Kazuyasu; and Hidaka, Hideto, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device including programmable mode selection circuitry. 4,833,650, 5-23-89, Cl. 365-225.700.
- Hirayama, Kazutoshi: *See*—
  - Hidaka, Hideto; Fujishima, Kazuyasu; Ozaki, Hideyuki; and Hirayama, Kazutoshi, 4,835,743, Cl. 365-193.000.
  - Ozaki, Hideyuki; Hirayama, Kazutoshi; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,808,844, Cl. 307-243.000.
- Hirayama, Koji; and Aiyama, Fumihiko, to Kioritz Corporation. Throttle lever mechanism. 4,875,384, 10-24-89, Cl. 74-500.500.
- Hirayama, Kuniaki: *See*—
  - Hiramatsu, Hiromichi; Odashima, Hitoshi; Hirayama, Kuniaki; and Ohji, Toshio, 4,882,833, Cl. 29-596.000.
- Hirayama, Makoto, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for manufacturing semiconductor device. 4,802,842, 2-7-89, Cl. 432-5.000.
- Hirayama, Makoto, to Mitsubishi Denki Kabushiki Kaisha. Reaction furnace and method of operating the same. 4,822,756, 4-18-89, Cl. 437-247.000.
- Hirayama, Makoto: *See*—
  - Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.
  - Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,845,228, Cl. 546-339.000.
- Hirayama, Ryuta: *See*—
  - Nojiri, Hidetoshi; and Hirayama, Ryuta, 4,836,888, Cl. 156-647.000.
- Hirayama Setsubi Kabushiki Kaisha: *See*—
  - Hirayama, Shoji, 4,873,914, Cl. 98-31.600.
- Hirayama, Shigemitsu; Akashi, Takamichi; Ikuta, Akio; Sasaki, Isao; and Fukuda, Hiroshi, to Fujisawa Pharmaceutical Co., Ltd. Apparatus for testing membrane filters, and for sterilizing liquids with use of membrane filter. 4,872,974, 10-10-89, Cl. 210-90.000.
- Hirayama, Shoji. Air cleaning apparatus and construction of clean room with the same. 4,841,847, 6-27-89, Cl. 98-31.500.
- Hirayama, Shoji. Air cleaning apparatus and construction of clean room with the same. 4,854,224, 8-8-89, Cl. 98-31.500.
- Hirayama, Shoji, to Hirayama Setsubi Kabushiki Kaisha. Clean room system and unit for the same clean room system. 4,873,914, 10-17-89, Cl. 98-31.600.
- Hirayama, Takeshi: *See*—
  - Amano, Matsuo; Shida, Masami; Sakamoto, Masahide; Hirayama, Takeshi; and Sasayama, Takao, 4,837,698, Cl. 364-431.070.
  - Oho, Shigeru; Hirayama, Takeshi; Matsumoto, Masahiro; Hasegawa, Akira; Hamano, Fumio; and Shibata, Takanori, 4,855,896, Cl. 364-138.000.
- Hirayama, Yasuhiko: *See*—
  - Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, 4,798,585, Cl. 604-93.000.
- Hirayama, Yasutaka: *See*—
  - Nishimura, Hiroshi; and Hirayama, Yasutaka, 4,854,006, Cl. 15-375.000.
- Hirayama, Yuzo: *See*—
  - Hirosawa, Takumi; Hirayama, Yuzo; Sagara, Keiki; Isomichi, Mituhiro; and Kumabe, Junichi, 4,826,898, Cl. 524-88.000.
  - Kinoshita, Junichi; Morinaga, Motoyasu; Furuyama, Hideto; and Hirayama, Yuzo, 4,870,468, Cl. 357-17.000.
  - Morinaga, Motoyasu; Furuyama, Hideto; Nakamura, Masaru; Suzuki, Nobuo; Hirayama, Yuzo; and Okuda, Hajime, 4,862,474, Cl. 372-50.000.
  - Suzuki, Nobuo; Morinaga, Motoyasu; Furuyama, Hideto; Hirayama, Yuzo; Okuda, Hajime; Nakamura, Masaru; and Motegi, Nawoto, 4,858,241, Cl. 372-46.000.
- Hirayasu, Masatoshi: *See*—
  - Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.
- Hirchenhain, Arnold; and Pepping, Karl-Heinz, to Diehl GmbH & Co. Hydraulic bearing mount with thin-walled elastic bellows. 4,822,009, 4-18-89, Cl. 267-140.100.
- Hird, Edwin A. Rack processor. 4,867,022, 9-19-89, Cl. 83-176.000.
- Hird, John: *See*—
  - Newcombe, Haydn J.; and Hird, John, 4,889,162, Cl. 137-606.000.
  - Newcombe, Haydn J.; and Hird, John, 4,889,165, Cl. 137-801.000.
- Hird, John A.; Owen, Lindsey D.; and Rice, Michael R., to Intellicall. Inc. Automatic validation of telephone account numbers. 4,890,31 12-26-89, Cl. 379-132.000.
- Hiro, Masaaki, to Canon Kabushiki Kaisha. Electrophotographic photosensitive member. 4,803,140, 2-7-89, Cl. 430-58.000.
- Hiro, Masaaki; and Yoshihara, Toshiyuki, to Canon Kabushiki Kaisha. Electrophotographic photosensitive member with combination of polymethyl methacrylate resins. 4,818,654, 4-4-89, Cl. 430-59.000.
- Hiro, Masaaki; Nakagawa, Masaru; Kawamorita, Yoichi; and Yamazaki, Koji, to Canon Kabushiki Kaisha. Packaging arrangement for electrophotographic photosensitive member. 4,860,898, 8-29-89, Cl. 206-455.000.
- Hiro, Masaaki; Kimura, Tomohiro; Yoshihara, Toshiyuki; Kawamorita, Yoichi; and Nakagawa, Masaru, to Canon Kabushiki Kaisha. Electrophotographic member with the surface layer having a fluorine type resin powder and a fluorine type block polymer. 4,863,823, 9-5-89, Cl. 430-58.000.
- Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and Hisamura, Masafumi, to Canon Kabushiki Kaisha. Photosensitive member for electrophotography. 4,877,701, 10-31-89, Cl. 430-59.000.
- Hiro, Toshiaki: *See*—
  - Fukuo, Koichi; Shibata, Mitsuhiro; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,858,574, Cl. 123-90.340.
  - Shibata, Mitsuhiro; Kumagai, Kazuhide; Fukuo, Koichi; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,807.574, Cl. 123-40.160.
- Hiroaki, Osamu: *See*—
  - Furuta, Akihiro; Hanabata, Makoto; Yasui, Seimei; Hiroaki, Osamu; and Jinno, Naoyoshi, 4,863,829, Cl. 430-192.000.
- Hirobe, Hitoshi: *See*—
  - Soga, Takashi; and Hirobe, Hitoshi, 4,821,127, Cl. 360-66.000.
- Hirobe, Junichi: *See*—
  - Tada, Tomio; Hirobe, Junichi; Takamatsu, Junichi; Hori, Kazuto; and Aikawa, Yukihiro, 4,873,549, Cl. 355-206.000.
- Hirobe, Kado: *See*—
  - Kawasaki, Yoshinao; Kawahara, Hironobu; Kakehi, Yutaka; Hirobe, Kado; and Kudo, Katsuyoshi, 4,795,529, Cl. 156-643.000.
- Hirobe, Kazushi: *See*—
  - Somemiya, Akiyoshi; and Hirobe, Kazushi, 4,840,984, Cl. 524-394.000.
- Hirochi, Katsuji, to Fujitsu Limited. Transistor-transistor logic circuit. 4,803,383, 2-7-89, Cl. 307-456.000.
- Hirochi, Katsuji: *See*—
  - Kato, Takahiro; Hirochi, Katsuji; and Sugihara, Takanori, 4,806,787, Cl. 307-290.000.
- Hirochi, Kumiko; Kitabatake, Makoto; and Yamazaki, Osamu, to Matsushita Electric Industrial Co., Ltd. Wear-protected device. 4,877,677, 10-31-89, Cl. 428-216.000.
- Hirochika, Takashi: *See*—
  - Sumimoto, Takashi; Hirochika, Takashi; Imanishi, Hideki; and Kubo, Kazuo, 4,815,556, Cl. 180-311.000.
- Hirohata, Michio: *See*—
  - Miyawaki, Makoto; Ogawa, Yukio; Kodaira, Takanori; and Hirohata, Michio, 4,811,060, Cl. 350-255.000.
- Hirohata, Toshio, to Nifco Inc. Plastic clip with resilient thread segments and hinged clasp. 4,802,804, 2-7-89, Cl. 411-433.000.

Hirohata, Toshio, to Nifco Inc. Fastener for plates. 4,810,147, 3-7-89, Cl. 411-349.000.

Hirohata, Toshio, to Nifco, Inc. Plastic clip with resilient thread segments and cylindrical clasp. 4,830,560, 5-16-89, Cl. 411-433.000.

Hiroi, Masakazu: *See—*
- Hayakawa, Kimiaki; Ueda, Noriyoshi; and Hiroi, Masakazu, 4,850,581, Cl. 271-10.000.
- Iida, Noriyoshi; Uto, Nobutaka; Hiroi, Masakazu; and Hoshi, Akimitsu, 4,883,265, Cl. 271-220.000.

Hiroji, Iwasaki: *See—*
- Tokio, Uetsuhara; and Hiroji, Iwasaki, 4,857,782, Cl. 310-12.000.

Hirokane, Junji: *See—*
- Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Katayama, Hiroyuki; Hirokane, Junji; and Murakami, Yoshiteru, 4,818,648, Cl. 430-17.000.
- Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Hirokane, Junji; and Katayama, Hiroyuki, 4,839,251, Cl. 430-5.000.

Hirokawa, Katsuhisa; and Iijima, Yasuo, to Kabushiki Kaisha Toshiba. Programmable portable electronic device. 4,827,512, 5-2-89, Cl. 380-23.000.

Hirokawa, Katsuhisa; and Ohba, Hiroshi, to Kabushiki Kaisha Toshiba. Portable storage medium processing system. 4,855,578, 8-8-89, Cl. 235-380.000.

Hirokawa, Shinya: *See—*
- Masamizu, Koji; Hirokawa, Shinya; and Fujita, Sanae, 4,839,395, Cl. 521-56.000.

Hirokawa, Susumu: *See—*
- Nakao, Kozo; and Hirokawa, Susumu, 4,842,768, Cl. 252-500.000.

Hiroki, Hisayuki; Ariga, Yoshio; and Watanabe, Hajime, to Kabushiki Kaisha Toshiba. Separating device for a sheet collection apparatus. 4,856,768, 8-15-89, Cl. 271-186.000.

Hiroki, Masashi; and Shibuya, Kunihiro, to Kabushiki Kaisha Toshiba. Image reading device having a document handling system. 4,868,672, 9-19-89, Cl. 358-494.000.

Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, to Mitsubishi Chemical Industries Ltd.; Kabushiki Kaisha Kobe Seiko Sho; Idemitsu Kosan Company Limited; Asia Oil Company Limited; and Nippon Brown Coal Liquefaction Co., Ltd. Process for converting coal to an oil fraction. 4,818,374, 4-4-89, Cl. 208-413.000.

Hiromasa, Kunio: *See—*
- Mayumi, Etsuo; and Hiromasa, Kunio, 4,853,576, Cl. 310-239.000.
- Mayumi, Etuo; Fujiwara, Hitoshi; Hiromasa, Kunio; and Okada, Kazuo, 4,827,167, Cl. 310-89.000.

Hiromasa, Shunichiro: *See—*
- Tamura, Hiroshi; Hiromasa, Shunichiro; and Kondo, Toshio, 4,821,726, Cl. 123-498.000.

Hiromichi, Koyama: *See—*
- Naoyuki, Oie; Hiromichi, Koyama; Katsuyuki, Tanaka; and Shinichi, Matsumoto, 4,827,154, Cl. 307-116.000.

Hiromiehi, Uchida. Automatic transferring device for double-coated adhesive tape. 4,851,074, 7-25-89, Cl. 156-541.000.

Hiromitsu, Sagae: *See—*
- Abe, Tsutomu; and Hiromitsu, Sagae, 4,833,077, Cl. 435-68.000.

Hiromoto, Jiro: *See—*
- Tsujimoto, Nobuhiro; Suzuki, Michinori; and Hiromoto, Jiro, 4,816,523, Cl. 525-380.000.

Hironaka, Kenichi: *See—*
- Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma. Takeo, 4,809,018, Cl. 346-76.0PH.

Hironaka, Masakazu; Yoshiji, Takeo; Kaneko, Daizo; Shibazaki, Mizuo; and Kurata, Sumio, to Honda Giken Kogyo Kabushiki Kaisha. System for installing parts on workpiece. 4,850,102, 7-25-89, Cl. 29-787.000.

Hironaka, Takashi: *See—*
- Ueno, Ryuzo; Ueno, Ryuji; Kita, Hiroshi; Kato, Ichie; Tabata, Akihiko; and Hironaka, Takashi, 4,868,203, Cl. 514-423.000.

Hironaka, Toshio: *See—*
- Miyake, Takanori; Sekizawa, Kazuhiko; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,861,929, Cl. 570-209.000.
- Sekizawa, Kazuhiko; Miyake, Takanori; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,849,560, Cl. 570-208.000.

Hirono, Atsuyuki: *See—*
- Kambe, Yoshiaki; Okuda, Yoshihiko; Hirono, Atsuyuki; Nagaoka, Akira; and Ito, Takayasu, 4,876,446, Cl. 250-221.000.

Hirono, Nakayasu: *See—*
- Miyayama, Toshio; Masuzawa, Isao; and Hirono, Nakayasu, 4,855,739, Cl. 340-984.000.

Hirono, Takahiko: *See—*
- Sano, Yasuo; Shirahama, Kouichi; and Hirono, Takahiko, 4,843,142, Cl. 528-211.000.

Hirono, Tatsuo: *See—*
- Kikuno, Mitsutoyo; Hirono, Tatsuo; Nakashima, Yoshihiro; and Yoshino, Hirobumi, 4,799,081, Cl. 355-14.00C.

Hirono, Tetsuro; and Shinada, Mikio, to Mitsubishi Denki Kabushiki Kaisha. Printer. 4,828,415, 5-9-89, Cl. 400-605.000.

Hirooka, Eiji: *See—*
- Masui, Takeshi; Matsumoto, Yoshiro; Tomizawa, Atsushi; and Hirooka, Eiji, 4,860,416, Cl. 29-116.200.

Hirooka, Hiroshi; Saito, Takeshi; and Urabe, Hirobumi, to Mitsubishi Denki Kabushiki Kaisha; and Nihon Kentetsu Co., Ltd. Dehydrating method for a washing machine. 4,843,671, 7-4-89, Cl. 8-159.000.

Hirooka, Kenji: *See—*
- Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi, Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Apparatus for continuously preparing a light receiving element for use in photoelectromotive force member or image-reading photosensor. 4,798,166, 1-17-89, Cl. 118-719.000.

Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Process for preparing photoelectromotive force member. 4,798,809, 1-17-89, Cl. 437-4.000.

Hirooka, Masaaki; Ueki, Masao; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming deposited film containing group III or V element by generating precursors with halogenic oxidizing agent. 4,812,331, 3-14-89, Cl. 427-255.100.

Hirooka, Masaaki; Ogawa, Kyosuke; Ishihara, Shunichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Process for forming deposition film. 4,835,005, 5-30-89, Cl. 427-38.000.

Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Electrophotographic photosensitive member, process and apparatus for the preparation thereof. 4,855,210, 8-8-89, Cl. 430-133.000.

Hirooka, Masaaki; Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming deposited films of group II-VI compounds. 4,869,931, 9-26-89, Cl. 427-255.200.

Hirooka, Masaaki: *See—*
- Ishihara, Shunichi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,824,697, Cl. 427-255.200.
- Ishihara, Shunichi; Ootoshi, Hirokazu; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,885,258, Cl. 437-40.000.
- Kanai, Masahiro; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,868,014, Cl. 427-248.100.
- Saitoh, Keisha; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,801,474, Cl. 427-248.100.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,804,558, Cl. 427-66.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,812,328, Cl. 427-69.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,822,636, Cl. 427-69.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,834,023, Cl. 118-730.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,844,950, Cl. 427-250.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,865,883, Cl. 427-255.300.
- Takeuchi, Eiji; Hanna, Junichi; Shimizu, Isamu; Hirooka, Masaaki; Sakai, Akira; and Ueki, Masao, 4,842,897, Cl. 427-255.200.
- Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,803,947, Cl. 418-719.000.
- Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,861,623, Cl. 427-69.000.

Hirooka, Masami: *See—*
- Kourogi, Isao; Masuda, Keiichi; Hirooka, Masami; Tomiyama, Yoshio; Yoshiuchi, Kazunori; and Gokenya, Takashi, 4,802,814, Cl. 414-686.000.

Hirooka, Masamichi: *See—*
- Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.

Hirooka, Seiji: *See—*
- Torii, Michiaki; and Hirooka, Seiji, 4,795,840, Cl. 585-16.000.

Hirosaki, Botaro: *See—*
- Rokugo, Yoshinori; and Hirosaki, Botaro, 4,803,580, Cl. 370-102.000.

Hirosaki, Naoto; and Okada, Akira, to Nissan Motor Co., Ltd. Gas pressure sintering of silicon nitride with addition of rare earth oxides. 4,810,678, 3-7-89, Cl. 501-97.000.

Hirosawa, Hiroaki; Ohta, Atsuo; and Sato, Morio, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle reverse control device. 4,827,148, 5-2-89, Cl. 290-38.00R.

Hirosawa, Isao: *See—*
- Tanikawa, Kowji; Kato, Tadashi; Kanno, Masahide; Yashima, Hiroyuki; Matsueda, Akira; Rokutan, Takao; Harada, Hisayuki; Hirosawa, Isao; and Hibino, Hiroki, 4,802,018, Cl. 358-335.000.

Hirosawa, Kazutoyo: *See—*
- Kubota, Shinji; Hirosawa, Kazutoyo; and Yoshida, Tomio, 4,841,512, Cl. 369-54.000.

Hirosawa, Kunikazu: *See—*
- Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kanai, Makoto, 4,868,355, Cl. 200-61.540.

Hirosawa, Makoto; and Yamada, Susumu, to Dainippon Screen Mfg. Co., Ltd. Image reproducing system having multiple processing levels. 4,807,020, 2-21-89, Cl. 358-75.000.

Hirosawa, Makoto; and Yamada, Mitsuhiko, to Dainippon Screen Mfg. Co., Ltd. Positioning originals on an original scanning drum of an image reproducing system. 4,823,289, 4-18-89, Cl. 364-523.000.

Hirosawa, Makoto; and Sasada, Shigeru, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for reading image in corrected read timing. 4,866,512, 9-12-89, Cl. 358-75.000.

Hirosawa, Makoto, to Dainippon Screen Mfg. Co., Ltd. Image reader having spectroscope for color separation. 4,873,569, 10-10-89, Cl. 358-75.000.

Hirosawa, Makoto, to Dainippon Screen Mfg. Co., Ltd. Method for generating image contour data and apparatus therefor. 4,884,224, 11-28-89, Cl. 364-550.000.

Hirosawa, Makoto: *See—*
- Sasada, Shigeru; Nagata, Shinichi; Hirosawa, Makoto; and Kishida, Yoshihiro, 4,861,983, Cl. 250-235.000.

Hirosawa, Takumi; Hirayama, Yuzo; Sagara, Keiki; Isomichi, Mituhiro; and Kumabe, Junichi, to Dainippon Ink and Chemicals, Inc. Colored polypropylene resin. 4,826,898, 5-2-89, Cl. 524-88.000.

Hirosawa, Toshio; Ohki, Masaru; and Kuwahara, Yutaka, to Hitachi, Ltd. Computer system with power control based on the operational status of terminals. 4,809,163, 2-28-89, Cl. 364-200.000.

Hirosawa, Toshio; Kurihara, Jun'ichi; and Okumura, Shigemi, to Hitachi, Ltd. Method and apparatus for controlling interrupts in a virtual machine system. 4,812,967, 3-14-89, Cl. 364-200.000.

Hirosawa, Toshio; and Ohki, Masaru, to Hitachi, Ltd. Virtual machine system and method for controlling machines of different architectures. 4,814,975, 3-21-89, Cl. 364-200.000.

Hirosawa, Yoshiaki: *See—*
- Fujita, Haruyasu; Hirosawa, Yoshiaki; Hikichi, Koichi; Sato, Morio; Hirakata, Yoshiaki; and Ito, Toshifumi, 4,869,332, Cl. 180-65.200.
- Yagi, Shizuo; Hirosawa, Yoshiaki; Kawai, Makoto; Yamamoto, Yorihisa; Yoshikawa, Haruhiko; and Nakamura, Kenichi, 4,846,128, Cl. 123-425.000.

Hirose, Akio, to Tanaka Kikinzoku Kogyo K.K. Process for preparing chlororhodiumic acid. 4,859,445, 8-22-89, Cl. 423-462.000.

Hirose, Akira: *See—*
- Hirose, Noboru; and Hirose, Akira, 4,858,290, Cl. 29-35.500.
- Kuno, Masashi; and Hirose, Akira, 4,847,656, Cl. 355-202.000.

Hirose, Daijo; and Takishita, Mitsukazu. Cutting head for cord type mower. 4,817,288, 4-4-89, Cl. 30-276.000.

Hirose, Daijo: *See—*
- Sugihara, Hideo; Takisita, Mitsukazu; and Hirose, Daijo, 4,819,332, Cl. 30-123.400.

Hirose Electric Co., Ltd.: *See—*
- Kikuta, Shigeru, 4,802,860, Cl. 439-79.000.
- Masaki, Takashi, 4,888,864, Cl. 29-753.000.
- Nakamura, Masaru; and Yamagauchi, Masao, 4,822,303, Cl. 439-607.000.
- Nakamura, Masaru; and Matsuzaki, Shuichi, 4,838,811, Cl. 439-607.000.
- Sato, Kensaku, 4,840,578, Cl. 439-395.000.
- Sato, Kensaku; and Sakabe, Shigetomo, 4,847,992, Cl. 29-863.000.
- Sato, Kensaku, 4,863,400, Cl. 439-595.000.
- Sato, Kensaku, 4,889,501, Cl. 439-595.000.
- Yaegashi, Hirokatsu, 4,821,411, Cl. 29-874.000.
- Yoshimura, Yoshikazu, 4,830,629, Cl. 439-610.000.
- Yoshimura, Yoshikazu; and Koike, Kihachiro, 4,838,810, Cl. 439-358.000.
- Yoshimura, Yoshikazu; and Koike, Kihachiro, 4,838,812, Cl. 439-610.000.

Hirose, Etsurou; Tsubaki, Toshio; Tokunaga, Takeshi; and Isoo, Osamu, to Hitachi, Ltd. Magnetic disc driving device. 4,825,315, 4-25-89, Cl. 360-97.010.

Hirose, Eturo: *See—*
- Takeuchi, Ryozo; Suzuki, Yasuaki; Nagata, Tetsuya; and Hirose, Eturo, 4,888,648, Cl. 358-335.000.

Hirose, Fuminori, to Nitto Kohki Co., Ltd. Free piston for use in an electromagnetic reciprocating compressor. 4,867,656, 9-19-89, Cl. 417-550.000.

Hirose, Fuminori, to Nitto Kohki Co., Ltd. Piston for use in a gas pump. 4,881,455, 11-21-89, Cl. 92-248.000.

Hirose, Fumio: *See—*
- Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, 4,851,395, Cl. 514-54.000.
- Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.
- Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.
- Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.

Hirose, Fumiyuki: *See—*
- Iizuka, Nobuyuki; Hisano, Katsukuni; Wada, Katsuo; Hirose, Fumiyuki; and Arai, Osamu, 4,829,764, Cl. 60-39.230.

Hirose, Hajime: *See—*
- Satake, Atsushi; and Hirose, Hajime, 4,887,922, Cl. 400-637.000.

Hirose, Hideaki; Yoshida, Shigeru; and Kohashi, Toru, to Shibuya Kogyo Co., Ltd.; and Yamato Scale Company, Ltd. Weight-operated filling system of rotary type. 4,832,092, 5-23-89, Cl. 141-1.000.

Hirose, Hiroaki: *See—*
- Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hirose, Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, Cl. 71-88.000.

Hirose, Hiroshi, to Hitachi, Ltd. Mass spectrometric apparatus. 4,808,819, 2-28-89, Cl. 250-288.000.

Hirose, Hisashi; Ohta, Takanori; Hara, Shigeo; and Iwata, Kazuo, to Toyota Jidosha Kabushiki Kaisha; and Kabushiki Kaisha Tokai Rika Denki Seisakusho. Switching device. 4,831,349, 5-16-89, Cl. 335-186.000.

Hirose, Hisashi: *See—*
- Kubota, Kazuhisa; Hirose, Hisashi; Sakakibara, Takao; Miyake, Yasuo; and Mizutani, Sinzi, 4,806,809, Cl. 310-75.00D.

Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, to Japan Tobacco Inc. Apparatus for manufacturing filter cigarettes. 4,815,481, 3-28-89, Cl. 131-94.000.

Hirose, Ichiro; Tani, Shichisei; Inamura, Motonori; and Koyama, Takashi, to Japan Tobacco Inc. Apparatus for manufacturing tobacco filter. 4,861,324, 8-29-89, Cl. 493-48.000.

Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, to Japan Tobacco Inc. Transport system for transporting rod-shaped objects in an air flow. 4,883,078, 11-28-89, Cl. 131-280.000.

Hirose, Ichiro: *See—*
- Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.

Hirose, Joji; and Uchida, Akira, to Chugoku Kayaku Kabushiki Kaisha. Fluid mixing apparatus. 4,869,849, 9-26-89, Cl. 261-78.200.

Hirose, Jun: *See—*
- Sasaki, Migaku; Koike, Eiji; Ohtomo, Toshio; and Hirose, Jun, 4,796,605, Cl. 600-22.000.

Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Horii, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, to Toyota Jidosha Kabushiki Kaisha. Fuel injection system for an internal combustion engine. 4,823,755, 4-25-89, Cl. 123-480.000.

Hirose, Katsuhiko: *See—*
- Baika, Toyokazu; Nakamura, Norihiko; Noguchi, Hirosi; Tanahasi, Tosio; and Hirose, Katsuhiko, 4,821,686, Cl. 123-65.0VD.

Hirose, Ken-ichi: *See—*
- Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, 4,810,794, Cl. 546-251.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, to Hitachi, Ltd.; and Hitachi Engineering Co., Ltd. Bit slice multiplication circuit. 4,811,269, 3-7-89, Cl. 364-754.000.

Hirose, Kenji; Sugishima, Eiichi; and Daijyo, Masakatsu, to Mitsubishi Denki Kabushiki Kaisha. Overcurrent protection circuit for inverter device including majority circuit for turn-off of majority of conducting transistors. 4,819,157, 4-4-89, Cl. 363-56.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, to Hitachi, Ltd.; and Hitachi Engineering Co., Ltd. Apparatus for performing floating point arithmetic operations and rounding the result thereof. 4,839,846, 6-13-89, Cl. 364-748.000.

Hirose, Kenji: *See—*
- Yoshida, Kazuo; Hirose, Kenji; Komatsu, Toshiyasu; Shimoyama, Kazuaki; and Tsuji, Yoshihito, 4,829,948, Cl. 123-90.160.

Hirose, Kiichiro: *See—*
- Kumagami, Naoki; Nakagawa, Yoshihiro; Yuzawa, Atsushi; Hirose, Kiichiro; Sato, Yukie; and Shiosaka, Akihiro, 4,822,967, Cl. 219-10.55F.
- Nakagawa, Yoshihiro; Tomatsuri, Takeo; Ozaki, Ikuo; Hirose, Kiichiro; Sato, Yukie; and Ohzeki, Tamami, 4,808,782, Cl. 219-10.55M.

Hirose, Kiko: *See—*
- Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Mitsuo; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, 4,806,307, Cl. 420-528.000.

Hirose, Kimimoto; and Hasegawa, Yasuhiro, to Konica Corporation. Mechanism for locking tape reel in magnetic tape cassette. 4,823,223, 4-18-89, Cl. 360-132.000.

Hirose, Kimimoto: *See—*
- Hiramoto, Tsutomu; Fukasawa, Satoshi; Kubodera, Takeshi; Hirose, Kimimoto; Shinozaki, Sohji; and Yasufuku, Yoshitaka, 4,832,301, Cl. 248-359.00H.

Hirose, Kiyoo, to Toyota Jidosha Kabushiki Kaisha. Internal combustion engine with turbo-charger and knocking control system. 4,825,836, 5-2-89, Cl. 123-478.000.

Hirose, Kouji: *See—*
- Shimizu, Toshio; and Hirose, Kouji, 4,887,886, Cl. 350-166.000.

Hirose, Maki: *See—*
- Imura, Takeshi; Ando, Katsuhiko; Nakabayashi, Shigemitsu; and Hirose, Maki, 4,875,518, Cl. 164-119.000.

Hirose Manufacturing Company, Limited: *See—*
- Shimizu, Hiromitsu, 4,884,520, Cl. 112-231.000.

Hirose, Masahiko; Kuratsuji, Takatoshi; Matsubayashi, Tooru; and Sakai, Kouichi, to Teijin Limited. Polyamide molding material and hollow-molded body obtained therefrom. 4,844,987, 7-4-89, Cl. 428-474.400.

Hirose, Masao: *See—*
- Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
- Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,883,879, Cl. 546-280.000.

- Hirose, Masayoshi: *See—*
  - Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, 4,837,217, Cl. 514-252.000.
  - Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,874,861, Cl. 544-229.000.
  - Taniguchi, Masakazu; Hirose, Masayoshi; Baba, Masatoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,877,787, Cl. 514-247.000.
- Hirose, Masayuki: *See—*
  - Hata, Ryosuke; Yamanouchi, Shosuke; Hirose, Masayuki; Kuwabara, Hidemitsu; Mizumoto, Yasuharu; and Hagiuda, Yasuhiro, 4,859,804, Cl. 174-25.00R.
  - Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
  - Miyata, Masanori; Komiya, Yutaka; Nakamura, Shinichi; Hirose, Masayuki; Mori, Toshihiko; and Nakayama, Tomobumi, 4,825,250, Cl. 355-14.00R.
- Hirose, Masumi: *See—*
  - Kajitani, Masahiko; Takeda, Kiyoshi; Isono, Koji; Hirose, Masumi; Matsubara, Kouji; and Shuda, Etsuji, 4,841,132, Cl. 235-472.000.
- Hirose, Mayumi: *See—*
  - Terada, Toshiyuki; Hirose, Mayumi; and Ishida, Kenji, 4,803,526, Cl. 357-15.000.
- Hirose, Naoki: *See—*
  - Hayashi, Shigenori; Hirose, Naoki; Inujima, Takashi; and Ito, Kenji, 4,803,095, Cl. 427-54.100.
  - Urata, Kazuo; Hirose, Naoki; and Hayashi, Shigenori, 4,887,548, Cl. 118-722.000.
- Hirose, Noboru, to Brother Kogyo Kabushiki Kaisha. Automatic tool changer in machine tool. 4,835,838, 6-6-89, Cl. 29-568.000.
- Hirose, Noboru; and Hirose, Akira, to Brother Kogyo Kabushiki Kaisha. Machine tool indexing apparatus. 4,858,290, 8-22-89, Cl. 29-35.500.
- Hirose, Noboru: *See—*
  - Watanabe, Kikuo; Kobayashi, Mitsuo; Hirose, Noboru; and Sato, Keiichi, 4,813,122, Cl. 29-568.000.
  - Yamane, Hisaaki; and Hirose, Noboru, 4,873,756, Cl. 29-568.000.
- Hirose, Osamu: *See—*
  - Tsukiyama, Tokuhiro; Yashiki, Hiroshi; and Hirose, Osamu, 4,872,009, Cl. 341-95.000.
- Hirose, Ryusho, to Canon Kabushiki Kaisha. Projection exposure apparatus. 4,811,055, 3-7-89, Cl. 355-53.000.
- Hirose, Setsuko: *See—*
  - Arita, Masanobu; Arai, Kiyoshi; Komoto, Nobuo; Hirose, Setsuko; and Sekine, Takeshi, 4,822,822, Cl. 514-655.000.
- Hirose, Shintaro, to Sanyo Electric Co., Ltd. Method and apparatus for decoding error correcting code. 4,890,286, 12-26-89, Cl. 371-37.100.
- Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; and Hosono, Yoichi, to Mitsui Toatsu Chemicals, Incorporated; and Yamamoto Chemicals, Inc. Fabrication process of optical recording medium. 4,798,781, 1-17-89, Cl. 430-270.000.
- Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, to Mitsui Toatsu Chemicals, Incorporated; and Yamamoto Chemicals, Inc. Optical recording medium. 4,859,569, 8-22-89, Cl. 430-270.000.
- Hirose, Syunichi: *See—*
  - Higa, Osamu; and Hirose, Syunichi, 4,795,914, Cl. 307-64.000.
- Hirose, Takashi: *See—*
  - Yanagida, Kouichi; Kano, Shinichiro; Gotou, Takeshi; and Hirose, Takashi, 4,874,062, Cl. 181-250.000.
- Hirose. Takeshi; Furutachi, Nobuo; Aoki, Kozo; Nakazyo, Kiyoshi; and Furusawa, Genichi, to Fuji Photo Film Co., Ltd. Method of color image formation using a high chloride emulsion and a developer free of benzyl alcohol. 4,840,878, 6-20-89, Cl. 430-380.000.
- Hirose, Takeshi; Ogawa, Tadashi; and Furutachi, Nobuo, to Fuji Photo Film Co., Ltd. Color photographic light-sensitive material. 4,857,444, 8-15-89, Cl. 430-505.000.
- Hirose, Takeshi: *See—*
  - Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.
  - Ishikawa, Takatoshi; Furusawa, Genichi; and Hirose, Takeshi. 4,830,948, Cl. 430-372.000.
- Hirose, Tetsuya: *See—*
  - Ezaki, Satoru; Tanaka, Kiyofumi; Kasahara, Tsukasa; Hirose, Tetsuya; and Nakagawa, Tetsuro, 4,858,659, Cl. 140-105.000.
- Hirose, Tetsuzo: *See—*
  - Takeda, Takashi; Omori, Katsumi; Ohkuma, Toshiyuki; Kidera, Kenji; Nakagawa, Shigeru; and Hirose, Tetsuzo, 4,818,148, Cl. 405-234.000.
- Hirose, Tomiyuki; and Shimizu, Hiroyuki, to Tomy Kogyo Co., Inc. Simulator toy. 4,856,777, 8-15-89, Cl. 273-1.0GA.
- Hirose, Toshifumi; Yukimoto, Sadao; and Isayama, Katsuhiko, to Kanegafuchi Chemical Industry, Co., Ltd. Curable polymer composition comprising organic polymer having silicon-containing reactive group. 4,837,401, 6-6-89, Cl. 525-364.000.
- Hirose, Toshiro: *See—*
  - Tawara, Kunio; and Hirose, Toshiro, 4,832,748, Cl. 523-454.000.
- Hirose, Toshiyuki, to Mitsui Petrochemical Industries, Ltd. Epoxy resin composition and production process thereof. 4,812,513, 3-14-89, Cl. 525-65.000.
- Hirose, Tsuneo: *See—*
  - Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.
- Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Mitsuo; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, to Kabushiki Kaisha Kobe Seiko Sho. Aluminum alloy with superior thermal neutron absorptivity. 4,806,307, 2-21-89, Cl. 420-528.000.
- Hirose, Yasuo, to Hitachi, Ltd. Continuous dissolution apparatus for spent nuclear fuel. 4,834,936, 5-30-89, Cl. 376-310.000.
- Hirose, Yoichi, to Showa Denko Kabushiki Kaisha. Process for synthesis of diamond by CVD. 4,816,286, 3-28-89, Cl. 427-39.000.
- Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; Matsuzawa, Kunihiko; and Kanekura, Kazunori, to Canon Kabushiki Kaisha. Image forming apparatus. 4,873,541, 10-10-89, Cl. 346-160.100.
- Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; and Matsuzawa, Kunihiko, to Canon Kabushiki Kaisha. Image forming apparatus. 4,887,101, 12-12-89, Cl. 346-134.000.
- Hirose, Yoshihiko: *See—*
  - Murayama, Yasushi; Kanekura, Kazunori; Aoki, Tomohiro; Chiku, Kazuyoshi; Hirose, Yoshihiko; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,847,642, Cl. 346-157.000.
- Hirose, Yoshikazu: *See—*
  - Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, 4,831,878, Cl. 73-313.000.
  - Hayashi, Chikahisa; Kawai, Makoto; and Hirose, Yoshikazu, 4,845,986, Cl. 73-290.00R.
- Hirose, Yoshio: *See—*
  - Fujie, Tohru; and Hirose, Yoshio, 4,842,500, Cl. 418-133.000.
  - Ike, Yujiro; Yonezawa, Akihiro; Ooshima, Shinichi; Kamiya, Akihiro; and Hirose, Yoshio, 4,800,321, Cl. 313-639.000.
- Hirose, Yusuke: *See—*
  - Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, 4,847,169, Cl. 428-659.000.
  - Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, 4,878,960, Cl. 148-127.000.
- Hiroshi, Kawahara; and Kenji, Sakakibara, to Brother Kogyo Kabushiki Kaisha. Exposure system for photo-sensitive recording medium 4,885,602, 12-5-89, Cl. 355-27.000.
- Hiroshi, Matsuoka: *See—*
  - Eturo, Yasuda; Hiroshi, Matsuoka; Hiroyuki, Yoshida; Yoichi, Kotanshi; and Yasushi, Sawada, 4,803,763, Cl. 29-25.350.
- Hiroshi, Umemoto: *See—*
  - Masao, Kamiguchi; and Hiroshi, Umemoto, 4,847,779, Cl. 364-476.000.
- Hiroshi, Yoshizawa: *See—*
  - Mitsumasa, Furumoto; and Hiroshi, Yoshizawa, 4,850,192, Cl. 60-468.000.
- Hiroshima, Motoharu: *See—*
  - Yorita, Tadahiro; and Hiroshima, Motoharu, 4,800,347, Cl. 333-202.000.
- Hiroshima University: *See—*
  - Yamanishi, Masamichi; Suemune, Ikuo; and Kan, Yasuo, 4,845,535, Cl. 357-17.000.
- Hiroshima, Wataru, to Konica Corporation. Packaging box that can easily be opened. 4,863,035, 9-5-89, Cl. 206-620.000.
- Hiroshio Nishio: *See—*
  - Murakami, Sanpei; Miyaaki, Tohru; Imahori, Tokio; Ogata, Koichi; and Hagita, Hidenari, 4,855,146, Cl. 426-5.000.
- Hirosumi, Jiro: *See—*
  - Yamaguchi, Isamu; and Hirosumi, Jiro, 4,859,688, Cl. 514-344.000.
- Hirota, Akio, to Brother Kogyo Kabushiki Kaisha. Thread cutting machine. 4,813,821, 3-21-89, Cl. 408-9.000.
- Hirota, Fumio; Kado, Tsutomu; Oku, Shosuke; and Watanabe, Noboru, to Toyo Ink Mfg. Co., Ltd.; and Nippon Ester Company Ltd. Black liquid colorant and polyester fibers dope-dyed therewith. 4,879,335, 11-7-89, Cl. 524-495.000.
- Hirota, Fumiyuki; Miwa, Tadashi; and Yamada, Yasushi, to Konishiroku Photo Industry Co., Ltd. Automatic sheet-feeder. 4,869,488, 9-26-89, Cl. 271-3.100.
- Hirota, Hajime; Ogino, Hidekazu; Igarashi, Sahoko; and Sotoya, Kohshiro, to Kao Corporation. Secondary amidoamino acid based detergent composition. 4,876,034, 10-24-89, Cl. 252-546.000.
- Hirota, Hajime: *See—*
  - Ogino, Hidekazu; Kamitani, Hiroshi; Kamegai, Jun; Sawada, Hiroki; Hirota, Hajime; and Kurosaki, Tomihiro, 4,803,010, Cl. 252-174.210.
  - Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Taniguchi, Masanobu; Yamanishi, Masaji; and Hirota, Hajime, 4,885,112, Cl. 252-352.000.
  - Takaya, Susumu; Hirota, Hajime; and Nakamura, Motoko, 4,832,950, Cl. 424-81.000.
  - Yahagi, Kazuyuki; Tsujii, Kaoru; Hirota, Hajime; and Matsumura, Yoshihisa, 4,824,604, Cl. 252-546.000.
- Hirota, Hozumi; Shimasaki, Yukihiro; Komoda, Hideaki; and Ota, Ikuo, to Matsushita Electric Industrial Co., Ltd. Magnetic recording medium. 4,803,133, 2-7-89, Cl. 428-695.000.
- Hirota, Hozumi: *See—*
  - Aoki, Masaki; Sakai, Masayuki; Torii, Hideo; Okinaka, Hideyuki; and Hirota, Hozumi, 4,811,148, Cl. 360-125.000.

- Hirota, Isao, to Sony Corporation. Solid state imager device with exposure control with noise reduction. 4,856,033, 8-8-89, Cl. 377-58.000.
- Hirota, Kenichi: *See—*
  - Miyazawa, Osamu; Ishikawa, Nobuo; Miyasaka, Mamoru; and Hirota, Kenichi, 4,864,442, Cl. 360-99.120.
- Hirota, Masaki, to Yazaki Corporation. Magnetic rotation sensor wherein a magnetic member is attached to a rotation shaft by a heat resistant elastic member. 4,820,978, 4-11-89, Cl. 324-166.000.
- Hirota, Minoru: *See—*
  - Matsukawa, Hideki; Masuyama, Takeshi; Hirota, Minoru; Wakahata, Yasuo; Itoh, Masahiro; and Harada, Shinji, 4,874,227, Cl. 350-334.000.
- Hirota, Mitsuhiko: *See—*
  - Fujioka, Yoshiki; and Hirota, Mitsuhiko, 4,837,491, Cl. 318-625.000.
- Hirota, Shinichiro; Sugawara, Kishio; and Fujimoto, Tadayuki, to Hoya Corporation. Apparatus for molding glass articles. 4,836,838, 6-6-89, Cl. 65-308.000.
- Hirota, Shinichiro; and Sugawara, Kishio, to Hoya Corporation. Press-molding device for lenses. 4,836,840, 6-6-89, Cl. 65-323.000.
- Hirota, Toshio; Ohuchi, Takashi; and Yamamoto, Osamu, to Fuji Electric Co., Ltd. Fuel cell manifolds. 4,873,155, 10-10-89, Cl. 429-26.000.
- Hirota, Toshio: *See—*
  - Fukuda, Takashi; Saito, Kiyoshi; Suzuki, Satoru; Sato, Hideki; and Hirota, Toshio, 4,851,601, Cl. 585-241.000.
- Hirota, Yoshihiko; and Kishi, Masamichi, to Minolta Camera Kabushiki Kaisha. Color image reading apparatus with an improved sensor. 4,839,719, 6-13-89, Cl. 38-75.000.
- Hirotaka, Shiroshita: *See—*
  - Atsuta, Toshikatsu; Hirotaka, Shiroshita; Shinzawa, Fumio; Matsuo, Eiki; and Koinuma, Toshiaki, 4,834,514, Cl. 350-429.000.
- Hirotani Co., Ltd.: *See—*
  - Kanda, Shigeru; Shibata, Manabu; Ono, Masayoshi; and Okano, Michikazu, 4,838,939, Cl. 106-281.100.
- Hiroto, Hiromi: *See—*
  - Nakakura, Hirofumi; Shibata, Morio; Ishikawa, Haruo; Nakano, Akihisa; Hiroto, Hiromi; and Oyabu, Hajime, 4,885,176, Cl. 426-19.000.
- Hirotomi, Jun, to Seiko Instruments Inc. Driving circuit for actuator. 4,873,477, 10-10-89, Cl. 318-603.000.
- Hirotsu, Sadao; Hoshino, Kazuo; and Nakamura, Sadayuki, to Nisshin Steel Co., Ltd. Slicing saw blade. 4,847,168, 7-11-89, Cl. 428-634.000.
- Hirotsu, Sadao: *See—*
  - Hoshino, Kazuo; Hirotsu, Sadao; and Nakamura, Sadayuki, 4,849,166, Cl. 420-58.000.
- Hirotsu, Tetsuji; Nakamura, Kiyoshi; Kasai, Syoji; Yamaguchi, Hiroshi; and Kozu, Eiji, to Hitachi, Ltd. Control apparatus for maintaining traction in electric rolling stock. 4,799,161, 1-17-89, Cl. 364-426.010.
- Hirotsu, Toshihiro; and Nakajima, Shigeru, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Water-alcohol separating membrane and method for separation of water and alcohol by the use thereof. 4,820,418, 4-11-89, Cl. 210-640.000.
- Hiroyama, Yukihisa: *See—*
  - Ikeda, Masayoshi; Taniguchi, Yutaka; and Hiroyama, Yukihisa, 4,867,843, Cl. 156-651.000.
- Hiroyuki, Yoshida: *See—*
  - Eturo, Yasuda; Hiroshi, Matsuoka; Hiroyuki, Yoshida; Yoichi, Kotanshi; and Yasushi, Sawada, 4,803,763, Cl. 29-25.350.
- Hirozumi, Yasuo; Kanematsu, Susumu; Numajiri, Yasuyoshi; Watanabe, Mikio; and Okano, Mitsuhiro, to Koito Seisakusho Co., Ltd. Electric lamp assembly. 4,879,491, 11-7-89, Cl. 313-318.000.
- Hirrien, Maryvonne F.: *See—*
  - Chevrel, Roger A.; Sergent, Marcel M.; and Hirrien, Maryvonne F., 4,808,488, Cl. 428-614.000.
- Hirrlinger, Klaus: *See—*
  - Mayer, Hans-Dieter; and Hirrlinger, Klaus, 4,853,690, Cl. 340-544.000.
  - Mayer, Hans-Dietrich; and Hirrlinger, Klaus, 4,806,854, Cl. 324-96.000.
- Hirs, Gene. Bar screen filter. 4,826,589, 5-2-89, Cl. 210-159.000.
- Hirs, Gene. Drum filter having a media supply roll and reroll drum. 4,826,596, 5-2-89, Cl. 210-337.000.
- Hirsbrunner, Hans G.: *See—*
  - Cobb, Carleton M., III; Hirsbrunner, Hans G.; Gonsalves, Edward M.; Jenne, Richard L.; and Nott, Sepideh H., 4,812,799, Cl. 337-70.000.
  - Cobb, Carleton M., III; Hirsbrunner, Hans G.; Gonsalves, Edward M.; Jenne, Richard L.; and Nott, Sepideh H., 4,837,545, Cl. 337-66.000.
- Hirsbrunner, Pierre, to Nestec S. A. Preparation of a composition based on a finely divided active principle of low water solubility. 4,839,179, 6-13-89, Cl. 426-98.000.
- Hirsch, Charles F.: *See—*
  - Schwartz, Robert E.; Hirsch, Charles F.; Sigmund, Janet M.; and Pettibone, Douglas J., 4,803,217, Cl. 514-409.000.
- Hirsch, Christian: *See—*
  - Muller, Dieter; Hirsch, Christian; and Pantucek, Peter, 4,804,100, Cl. 220-1.00R.
- Hirsch, Eitan; Gutmann, Alexander; Schwartz, Ana; Goren, Eliezer; Perlmuter, Nikolai; and Tal, Reuven, to State of Israel, Ministry of Defence, Israel Military Industries, The. Two-stage shaped charge projectile. 4,854,240, 8-8-89, Cl. 102-476.000.
- Hirsch, Gregory. Point projection photoelectron microscope with hollow needle. 4,829,177, 5-9-89, Cl. 250-306.000.
- Hirsch, Guenter; and Auhorn, Werner, to BASF Aktiengesellschaft. Aqueous pigment suspensions based on alkyl (meth) acrylates as dispersants for pigments. 4,801,354, 1-31-89, Cl. 162-168.100.
- Hirsch, Hermann. Process for the production of material having at least two layers. 4,849,145, 7-18-89, Cl. 264-46.400.
- Hirsch, John L.; and Wingender, Mark L., to Curt G. Joa, Inc. Stacker with a yoke-type stripping device. 4,802,570, 2-7-89, Cl. 414-790.000.
- Hirsch, Karl. Sheet binder. 4,856,926, 8-15-89, Cl. 402-13.000.
- Hirsch, Kelly L., to Sundstrand Data Control, Inc. Damping decoupled oscillator using a high impedance crystal. 4,810,922, 3-7-89, Cl. 310-316.000.
- Hirsch, Kenneth S.; and Jones, Charles D., to Eli Lilly and Company. Aromatase inhibitors. 4,801,594, 1-31-89, Cl. 514-340.000.
- Hirsch, Kenneth S.; and Jones, Charles D., to Eli Lilly and Company. Aromatase inhibitors from azoles. 4,845,227, 7-4-89, Cl. 546-276.000.
- Hirsch, Mark D. Surfboard and method of making same. 4,798,549, 1-17-89, Cl. 441-74.000.
- Hirsch, Martin; Rose, Fritz; and Serbent, Harry, to Metallgesellschaft Aktiengesellschaft. Process of reducing fine-grained iron-containing material by means of solid carbonaceous reducing agents. 4,806,158, 2-21-89, Cl. 75-26.000.
- Hirsch, Rolf-Burkhard: *See—*
  - Pieper, Christian; Burghartz, Hans K.; Hirsch, Rolf-Burkhard; and Rink, Norbert, 4,804,511, Cl. 264-206.000.
  - Reinehr, Ulrich; Hirsch, Rolf-Burkhard; Dross, Joachim; and Jungverdorben, Hermann-Josef, 4,842,793, Cl. 264-136.000.
  - Reinehr, Ulrich; Pieper, Christian; Hirsch, Rolf-Burkhard; Jungverdorben, Hermann-Josef; and Breuer, Jakob, 4,854,021, Cl. 28-263.000.
- Hirsch, Thomas S.: *See—*
  - Goss, Gary J.; Hirsch, Thomas S.; and Holtey, Thomas O., 4,799,145, Cl. 364-200.000.
- Hirsch, Werner; Rittershaus, Erhard; and Weiss, Arno, to B.A.T. Cigarettenfabriken GmbH. Apparatus for expanding comminuted tobacco material. 4,844,101, 7-4-89, Cl. 131-296.000.
- Hirschberg, Eugene H.: *See—*
  - Bertolacini, Ralph J.; Hirschberg, Eugene H.; and Modica, Frank S., 4,836,993, Cl. 423-244.000.
- Hirschberg, Jakub, to Siemens Aktiengesellschaft. Method for electrically connecting conductors and electrodes in an implantable electrode lead. 4,835,853, 6-6-89, Cl. 29-854.000.
- Hirschberg, Jakub: *See—*
  - Saell, Goesta; and Hirschberg, Jakub, 4,840,580, Cl. 439-431.000.
- Hirschfeld, Thomas B.: *See—*
  - Hieftje, Gary M.; Honigs, David E.; and Hirschfeld, Thomas B., 4,800,279, Cl. 250-339.000.
- Hirschfeld, Tomas B., to University of California, The Regents of the. Remote multi-position information gathering system and method. 4,799,756, 1-24-89, Cl. 350-96.180.
- Hirschfeld, Tomas B.; and Wang, Francis T., to University of California. The Regents of the. pH-sensitive optrode. 4,803,049, 2-7-89, Cl. 422-58.000.
- Hirschkorn, Ingo, to Fried. Krupp Gesellschaft Mit Beschrankter Haftung. Extruder head. 4,824,353, 4-25-89, Cl. 425-190.000.
- Hirschkorn, Ingo, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Extrusion head equipped with a clamping device for the tool components. 4,840,554, 6-20-89, Cl. 425-190.000.
- Hirschman, Alan D.; Reilly, David M.; Potter, Ross H.; Stulen. John; Toft, Eric M.; and Clark, John G., to Medrad, Inc. Processor-controlled angiographic injector device. 4,854,324, 8-8-89, Cl. 128-655.000.
- Hirschmann, Gregory C. Apparatus for handling an assembly system having a carrier member and a slide unit. 4,885,996, 12-12-89, Cl. 104-134.000.
- Hirschmann, Peter: *See—*
  - Schmidhammer, Ludwig; Dummer, Gerhard; Hirschmann, Peter; Strasser, Rudolf; and Haunberger, Franz, 4,839,153, Cl. 423-488.000.
- Hirschmann, Walter, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen m.b.H. Dimmable electronic transformer circuit. 4,862,041, 8-29-89, Cl. 315-246.000.
- Hirsekorn, Federick J.; and Emmons, William D., to Rohm and Haas Co. B stageable high service temperature epoxy thermosets. 4,814,398, 3-21-89, Cl. 525-530.000.
- Hirshberg, Gerald P.; Mrozowski, Joseph E.; and Ball, Stephen D., to Nissan Design International, Inc. Transparent roof convertible automobile. 4,801,174, 1-31-89, Cl. 296-216.000.
- Hirshberg, Gerald P.; Mrozowski, Joseph E.; and Ball, Stephen D., to Nissan Design International, Inc. Transparent roof convertible automobile with retractable sunshade. 4,852,938, 8-1-89, Cl. 296-214.000.
- Hirshfeld, Tsvi: *See—*
  - Eisenberg, Eliahu; Padova, Reuven; Shenfeld, Avner; Hirshfeld, Tsvi; and Stein, Jacob, 4,859,586, Cl. 435-34.000.
- Hirshfield, Jay L.; and Nowik, Israel, to Isomed, Inc. Method and apparatus for detecting counterfeit articles. 4,862,143, 8-29-89, Cl. 340-572.000.
- Hirst, Jan; and Strutt, John R., to Xerox Corporation. Sheet transport. 4,807,868, 2-28-89, Cl. 271-256.000.
- Hirst, Roy T.: *See—*
  - Thompson, Alfred R.; and Hirst, Roy T., 4,863,345, Cl. 415-174.100.
- Hirt. Alfred; and Fuhrmann, Hartmut, to Man Technologie GmbH. Printing press for modifying hydrophobic and hydrophilic areas of a printing image carrier. 4,833,990, 5-30-89, Cl. 101-130.000.

Hirt, Hans: *See—*

Baschang, Gerhard; Hartmann, Albert; Hirt, Hans; Lucas, Bohumir; and Wirz, Peter, 4,885,285, Cl. 514-114.000.

Hirt, Robert E.: *See—*

Mahaffy, Reid A.; Anderson, George W.; Garson, Eugene; Giordano, John A.; Hirt, Robert E.; and Ostrow, Milan R., 4,819,409, Cl. 53-282.000.

Hirth, Georges: *See—*

Barner, Richard; Burri, Kaspar; Cassal, Jean-Marie; Hadvary, Paul; Hirth, Georges; and Muller, Klaus, 4,863,941, Cl. 514-365.000.

Hirth, Gregory; and Branson, Terry L., to Dataproducts Corp. Semiautomatic loading paper feed tractor. 4,804,124, 2-14-89, Cl. 226-74.000.

Hirth, Gregory; and Branson, Terry L., to Dataproducts Corporation. Semi-automatic loading paper feed tractor. 4,836,431, 6-6-89, Cl. 226-74.000.

Hirth, Michael; and Weigart, Norbert, to BBC Brown Boveri AG. Process for separating particles and apparatus for carrying out the process. 4,813,978, 3-21-89, Cl. 55-5.000.

Hirth, Michael; and Wiegart, Norbert, to BBC Brown Boveri AG. Process for separating and/or reacting particles. 4,880,685, 11-14-89, Cl. 423-210.000.

Hirth, Michael: *See—*

Eliasson, Baldur; Erni, Peter; Hirth, Michael; and Kogelschatz, Ulrich, 4,837,484, Cl. 313-634.000.

Hirtle, Allen C.: *See—*

Conway, John W.; Farrell, Robert J.; Hirtle, Allen C.; and Niessen, Leonard E., 4,831,620, Cl. 370-85.000.

Yu, Kin C.; and Hirtle, Allen C., 4,831,518, Cl. 364-200.000.

Hirtsiefer, Karl-Richard: *See—*

Waguer, Paul-Heinz; Meyer, Alois; Hirtsiefer, Karl-Richard; and Beuke, Karl, 4,805,496, Cl. 81-57.390.

Hirtz, Helmut. Operating system for high speed tunnel trains. 4,881,469, 11-21-89, Cl. 104-138.100.

Hirukawa, Hideo: *See—*

Mikuriya, Kenta; Hanawaka, Masuo; Ohya, Akira; Hirukawa, Hideo; Uehara, Shoji; and Yamakawa, Kenichi, 4,832,487, Cl. 356-243.000.

Mikuriya, Kenta; Ohya, Akira; Nakagawara, Minoru; Hirukawa, Hideo; and Uehara, Shoji, 4,850,695, Cl. 356-237.000.

Hirukawa, Yoshinori: *See—*

Inayoshi, Kuniaki; Egawa, Yoshitsugu; Hirukawa, Yoshinori; and Yamaguchi, Masayuki, 4,869,915, Cl. 426-565.000.

Matsunami, Hidenobu; Tsuruda, Takahiro; Hitosugi, Naoki; and Hirukawa, Yoshinori, 4,880,644, Cl. 426-46.000.

Hiruma, Eikiyu: *See—*

Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.

Hiruma, Eikyuu: *See—*

Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.

Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.

Hiruma, Kenji: *See—*

Fukuzawa, Tadashi; Yamada, Eizaburo; Hiruma, Kenji; and Matsumura, Hiroyoshi, 4,847,573, Cl. 332-7.510.

Morioka, Makoto; Mishima, Tomoyoshi; Hiruma, Kenji; Katayama, Yoshifumi; and Shiraki, Yasuhiro, 4,835,583, Cl. 357-4.000.

Hiruma, Tadao, to Honda Giken Kogyo Kabushiki Kaisha. Switch device for motorcycle or the like. 4,847,454, 7-11-89, Cl. 200-61.850.

Hiruma, Toshihiko; Takahashi, Hiroshi; and Kato, Norihiko, to Fuji Photo Film Co., Ltd. Photosensitive lithographic plate using no dampening water. 4,861,698, 8-29-89, Cl. 430-272.000.

Hiruma, Toshihiko; and Takahashi, Hiroshi, to Fuji Photo Film Co., Ltd. Photosensitive lithographic plate requiring no dampening water having a gelatin primer layer. 4,863,831, 9-5-89, Cl. 430-271.000.

Hirunuma, Naohisa: *See—*

Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,829,944, Cl. 123-52.00M.

Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Yasushi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,887,557, Cl. 123-52.0MC.

Hiruta, Hideshi: *See—*

Fujikawa, Satoshi; and Hiruta, Hideshi, 4,846,010, Cl. 74-337.500.

Hiruta, Masaru: *See—*

Yoshida, Akio; Ajima, Shigetoshi; Hiruta, Masaru; and Saito, Hatsuo, 4,822,538, Cl. 264-29.400.

Hirvi, Jorma, to AB Fas Lasfabrik. Lever tumbler lock. 4,836,000, 6-6-89, Cl. 70-352.000.

Hisa, Yoshihiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor light receiving device. 4,801,991, 1-31-89, Cl. 357-30.000.

Hisada, Katsutoshi; Kokubu, Nobuaki; Sakurai, Shigeki; Murata, Yukio; and Okano, Tatsuo, to Canon Kabushiki Kaisha. Image signal coding apparatus. 4,799,110, 1-17-89, Cl. 358-261.300.

Hisada, Katsutoshi, to Canon Kabushik Kaisha. Apparatus for decoding image codes obtained by compression process. 4,837,634, 6-6-89, Cl. 358-261.100.

Hisada, Katsutoshi: *See—*

Okano, Tatsuo; and Hisada, Katsutoshi, 4,887,224, Cl. 364-518.000.

Hisajima, Eio: *See—*

Oishi, Masao; Saito, Takao; Nagata, Kouichi; Ishikawa, Katsukiyo; and Hisajima, Eio, 4,816,364, Cl. 430-108.000.

Hisajima, Masahiko; Kimura, Hiroshi; Shigemura, Yutaka; Yada, Isao; Irie, Yoichiro; Morimoto, Kiyoshi; and Nagashima, Takashi, to Mita Industrial Co., Ltd. Paper feeding device and a paper guiding device in a copying apparatus. 4,879,578, 11-7-89, Cl. 355-234.000.

Hisaka Works, Ltd.: *See—*

Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.

Miyamoto, Mitsuyasu; Ishimaru, Osamu; and Fukube, Nobuyoshi, 4,825,491, Cl. 8-152.000.

Sumitomo, Hiroyuki; and Horiguchi, Akira, 4,827,877, Cl. 122-34.000.

Sumitomo, Hiroyuki; and Horiguchi, Akira, 4,841,916, Cl. 122-32.000.

Hisaki, Masakatu; Kashima, Kenichi; Sakamoto, Yasuhiko; Hojo, Masakazu; Katayama, Osamu; and Hata, Hiroyoshi, to Nippon Shoji Kabushiki Kaisha. 3-Aminocarbonyl-1,4-dihydropyridine-5-carboxylic acid compounds, and pharmaceutical composition containing the same. 4,874,773, 10-17-89, Cl. 514-355.000.

Hisamatsu, Kazuo: *See—*

Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.

Hisamatsu, Kunio: *See—*

Sonobe, Kozo; Fukuzawa, Takashi; Takeuchi, Kohsuke; Tabata, Tatushi; Fukuoka, Hiroshi; Hisamatsu, Kunio; and Katamura, Makoto, 4,882,303, Cl. 501-28.000.

Hisamiti: Masaki: *See—*

Saneto, Kazuyoshi; and Hisamiti: Masaki, 4,865,102, Cl. 152-531.000.

Hisamitsu, Akira: *See—*

Matsuishi, Naoto; Takeda, Haruki; Iizumi, Kenichi; Murakami, Kiyokazu; and Hisamitsu, Akira, 4,808,596, Cl. 514-303.000.

Hisamitsu, Hironori: *See—*

Yoshioka, Kenichiro; and Hisamitsu, Hironori, 4,880,792, Cl. 425-190.000.

Hisamitsu Pharmaceutical Co., Inc.: *See—*

Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.

Hisamitsu Pharmaceutical Co., Ltd.: *See—*

Nakagawa, Akira; and Sakai, Michinori, 4,882,359, Cl. 514-947.000.

Hisamura, Masafumi: *See—*

Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and Hisamura, Masafumi, 4,877,701, Cl. 430-59.000.

Hisanaga, Michio; Suzuki, Kazunori; Naito, Masataka; and Shirasaki, Shinichi, to Nippondenso Co., Ltd.; and Science and Technology Agency National Institute. Method for producing a PLZT compound. 4,832,893, 5-23-89, Cl. 264-125.000.

Hisanaga, Naogi: *See—*

Tanaka, Takahiko; Hisanaga, Naogi; Yamamoto, Takeshi; Okazaki, Susumu; and Kajimoto, Shinshi, 4,852,205, Cl. 15-250.170.

Hisanaga, Yorisato; Shimokawa, Kazuhiro; Kawano, Toshihiko; Saita, Yasunori; and Yamashita, Tsuneo, to Daikin Industries, Ltd. Fluorine-containing macrolide compounds and their use. 4,876,245, 10-24-89, Cl. 514-29.000.

Hisanaga, Yorisato: *See—*

Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Tanaka, Kunitada; and Hisanaga, Yorisato, 4,847,366, Cl. 536-23.000.

Hisano, Katsukuni: *See—*

Iizuka, Nobuyuki; Hisano, Katsukuni; Wada, Katsuo; Hirose, Fumiyuki; and Arai, Osamu, 4,829,764, Cl. 60-39.230.

Hisano, Kiyoshi: *See—*

Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyanagi, Yoshiro, 4,800,483, Cl. 364-200.000.

Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyana, Yoshiro, 4,870,565, Cl. 364-200.000.

Hisano, Tsuyoshi: *See—*

Tatsumi, Yoshikazu; and Hisano, Tsuyoshi, 4,843,461, Cl. 358-108.000.

Hisatake, Michio; and Ishikawa, Satoru, to Janome Sewing Machine Co. Ltd. Speed control device for an electric sewing machine. 4,859,917, 8-22-89, Cl. 388-815.000.

Hisatake, Michio; Kongo, Takeshi; and Sasako, Hidenori, to Janome Sewing Machine Co., Ltd. Embroidering machine having an attachable memory card. 4,869,184, 9-26-89, Cl. 112-121.120.

Hisatake, Tsuneo: *See—*

Morita, Izuru; Tozawa, Shoji; Hisatake, Tsuneo; and Atono, Tadasi, 4,853,859, Cl. 364-424.040.

Hisatake, Yuzo: *See—*

Aizawa, Masanobu; Yamauchi, Shigekazu; and Hisatake, Yuzo, 4,837,058, Cl. 428-1.000.

Hisatomi, Masahiro, to Nissan Motor Co., Ltd. Exhaust gas recirculation system for internal combustion engine. 4,870,941, 10-3-89, Cl. 123-571.000.

Hisatomi, Takashi: *See—*

Nakayama, Takashi; Hisatomi, Takashi; and Ura, Shyouzabu, 4,813,687, Cl. 277-26.000.

Hisatsune, Fumiyuki; Fujii, Hiroshi; Yamagata, Shinji; and Kobayashi, Yoshiaki, to Mitsubishi Denki Kabushiki Kaisha. Multi-phase circuit breaker employing arc extinguishing apparatus. 4,866,226, 9-12-89, Cl. 200-147.00B.

Hisatsune, Fumiyuki; and Yamagata, Shinji, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,885,441, 12-5-89, Cl. 200-144.00R.

Hisazumi, Nobuyuki; Funabashi, Shinichiro; and Tomioka, Yoshihiko, to Kureha Kagaku Kogyo Kabushiki Kaisha. Smokable synthetic food-packaging film. 4,851,245, 7-25-89, Cl. 426-105.000.

Hiscock, Laura J.; Baretz, Bruce H.; and Webb, Richard L., to American Cyanamid Company. Electron beam and x-ray resists. 4,868,241, 9-19-89, Cl. 525-59.000.

Hisgen, Bernd; Kock, Hans-Jakob; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, to BASF Aktiengesellschaft. Fully aromatic thermotropic polyester imide. 4,801,676, 1-31-89, Cl. 528-170.000.

Hisgen, Bernd; and Kock, Hans-Jakob, to BASF Aktiengesellschaft. Wholly aromatic mesomorphic polyester amides and preparation thereof. 4,816,555, 3-28-89, Cl. 528-176.000.

Hisgen, Bernd: *See—*

Kock, Hans-Jakob; Hisgen, Bernd; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,861,858, Cl. 528-193.000.

Hishi, Wakichiro: *See—*

Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.

Hishi, Yuichi: *See—*

Furukawa, Masatoshi; Kumagai, Masao; Sugawara, Tadami; Sasaki, Hatsuo; Hishi, Yuichi; and Takahashi, Atsushi, 4,835,642, Cl. 360-105.000.

Ide, Jun; Iizumi, Tomoo; Takahashi, Yoshitaka; Yoshida, Hiroshi; Kaneko, Tooru; and Hishi, Yuichi, 4,839,753, Cl. 360-48.000.

Hishida, Hiroaki, to Honda Giken Kogyo Kabushiki Kaisha. Oxygen concentration sensor with an improved electrical connection for the transmission of different operating voltages. 4,810,349, 3-7-89, Cl. 204-406.000.

Hishida, Tadashi: *See—*

Nishiura, Norimasa; and Hishida, Tadashi, 4,826,346, Cl. 403-267.000.

Hishinuma, Akihiro: *See—*

Ino, Juichi; Hishinuma, Akihiro; Nagayama, Hirotsugu; and Kawahara, Hideo, 4,882,183, Cl. 427-126.600.

Hishinuma, Ieharu: *See—*

Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Hishinuma, Itaru; Adachi, Akio; and Toyoshima, Ko, to Kawasaki Steel Corporation. Hot rolling method. 4,823,585, 4-25-89, Cl. 72-247.000.

Hishinuma, Kazuhiro: *See—*

Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,862,358, Cl. 364-413.000.

Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,862,360, Cl. 364-413.010.

Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,868,746, Cl. 364-413.130.

Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,868,749, Cl. 364-413.130.

Kimura, Tsutomu, Hishinuma, Kazuhiro; and Shiraishi, Misashi, 4,871,913, Cl. 250-327.500.

Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,884,200, Cl. 364-413.130.

Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,837,733, Cl. 364-413.130.

Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,852,050, Cl. 364-414.000.

Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,888,695, Cl. 364-413.130.

Hishinuma, Takashi, to Sony Corporation. Floppy disc loading apparatus. 4,807,215, 2-21-89, Cl. 369-77.200.

Hishinuma, Toshio; Katsuta, Atsushi; and Tajima, Takeharu, to Hitachi, Ltd. Vibration proof supporting structure for disk-type information memory unit. 4,812,932, 3-14-89, Cl. 360-97.010.

Hishinuma, Yasuo; and Ito, Hiroshi, to Yuken Kogyo Kabushiki Kaisha. Proportional electro-hydraulic pressure control valve. 4,796,661, 1-10-89, Cl. 137-487.500.

Hishinuma, Yukio: *See—*

Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.

Morihara, Atsushi; Miyamoto, Tomohiko; Koyama, Shuntaro; Nogita, Shunsuke; and Hishinuma, Yukio, 4,806,131, Cl. 48-210.000.

Hishiyama, Sadao: *See—*

Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Suna, Kenzo, 4,842,917, Cl. 428-141.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gobara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.

Hiskes, Ronald: *See—*

Schantz, Christopher A.; and Hiskes, Ronald, 4,863,760, Cl. 427-163.000.

Hislop, Alfred R., to United States of America, Navy. Internal transmission line filter element. 4,873,501, 10-10-89, Cl. 333-204.000.

Hislop, Lawrence A.: *See—*

Nathan, Robert H.; and Hislop, Lawrence A., 4,873,631, Cl. 364-405.000.

Hiss, Herbert: *See—*

Tuns, Heinz J.; and Hiss, Herbert, 4,836,384, Cl. 206-621.300.

Hissel, Leopold H.: *See—*

Span, Francis J.; Hissel, Leopold H.; and Grassens, Leonardus J., 4,885,998, Cl. 108-139.000.

Hitachi Automotive Engineering Co., Ltd.: *See—*

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

Hara, Seiichiro; and Hoshi, Yoshikazu, 4,854,284, Cl. 123-414.000.

Ichikawa, Norio; Itsuji, Takayuki; and Miki, Masayuki, 4,799,018, Cl. 324-465.000.

Ishikawa, Hideaki; Abe, Osamu; and Uehara, Aiichi, 4,869,224, Cl. 123-489.000.

Ishikura, Hisatsugu; and Saito, Shigeki, 4,802,543, Cl. 180-79.100.

Ishiyama, Kunio, 4,833,581, Cl. 363-20.000.

Itakura, Tomiya; and Kamifuji, Hiroshi, 4,879,982, Cl. 123-339.000.

Kanamaru, Hisanobu; and Gunji, Kenichi, 4,884,952, Cl. 417-222.000.

Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.

Mashino, Keiichi; and Takei, Shigekazu, 4,831,322, Cl. 322-28.000.

Niida, Chiaki; Ito, Tomoo; Nishimiya, Torazo; Iseyama, Takashi; and Yamada, Koichiro, 4,823,750, Cl. 123-339.000.

Suzuki, Toru; Sakamoto, Masahide; and Watanabe, Akihito, 4,799,380, Cl. 73-116.000.

Tashahashi, Minoru; Tokuda, Hiroastu; Watanabe, Izumi; and Nishimura, Yutaka, 4,881,407, Cl. 73-204.160.

Hitachi Cable, Ltd.: *See—*

Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, 4,883,338, Cl. 350-96.340.

Ezaki, Satoru; Tanaka, Kiyofumi; Kasahara, Tsukasa; Hirose, Tetsuya; and Nakagawa, Tetsuro, 4,858,659, Cl. 140-105.000.

Fukahori, Toshio; Takashima, Hideyuki; and Morinaga, Hitoshi, 4,872,737, Cl. 350-96.200.

Hongo, Akihito; Shiota, Tsuneo; Nishida, Shigeo; Miyagi, Mitsunobu; and Wagatsuma, Yoshihiko, 4,875,218, Cl. 372-64.000.

Iizuka, Hisao; Hiratsuka, Shigetoshi; Tanno, Kiyohiko; Satou, Teruji; and Ashizuka, Norihiro, 4,829,321, Cl. 346-107.00R.

Kajioka, Hiroshi; Fukahori, Toshio; Shiina, Noribumi; and Morinaga, Hitoshi, 4,848,867, Cl. 350-96.210.

Kajioka, Hiroshi; Yamada, Koudo; Takuma, Yuuetsu; and Teraoka, Tatsuo, 4,859,223, Cl. 65-3.120.

Kuwahara, Heikichi; Takahashi, Kenji; Yanagida, Takehiko; Nakayama, Wataru; Sugimoto, Shigeo; and Oizumi, Kiyoshi, 4,794,775, Cl. 72-78.000.

Nakamura, Hitoshi; Sakano, Shinji; Inoue, Hiroaki; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,840,446, Cl. 350-96.130.

Nishiyama, Sinichi; Abe, Hajime; Seki, Koshiaki; and Hagiwara, Noboru, 4,838,063, Cl. 72-47.000.

Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.

Takuma, Yuuetsu; Kajioka, Hiroshi; Kumagai, Tatsuya; Tokunaga, Toshihide; and Yamada, Kohdo, 4,818,047, Cl. 350-96.330.

Yamamoto, Yasuaki; Tsukada, Hiroaki; Sorimachi, Masami; and Hori, Akihiro, 4,871,787, Cl. 523-122.000.

Hitachi Chemical Company, Ltd.: *See—*

Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, 4,886,721, Cl. 430-59.000.

Ikeda, Masayoshi; Taniguchi, Yutaka; and Hiroyama, Yukihisa, 4,867,843, Cl. 156-651.000.

Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.

Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sudo, Ryoichi; Iwami, Etsuji; and Izumi, Hirohumi, 4,866,338, Cl. 313-478.000.

Ito, Toshihiko; Mogami, Masayuki; and Kobayashi, Kengo, 4,795,785, Cl. 525-288.000.

Kida, Akinari; Fukutomi, Naoki; Tsubomatsu, Yoshiaki; and Yasuoka, Takuya, 4,830,691, Cl. 156-631.000.

Kobayashi, Akihiro; Fujita, Toshiyuki; Saito, Takayuki; Kawai, Hiromasa; Hosoi, Yutaka; and Shibata, Hideaki, 4,868,261, Cl. 526-262.000.

Koibuchi, Shigeru; Isobe, Asao; Makino, Daisuke; and Takeda, Yutaka, 4,801,519, Cl. 430-331.000.

Kojima, Mitsumasa; Saito, Takayuki; Kikuchi, Toul; Uchimura, Shun-ichiro; Satou, Hidetaka; and Makino, Daisuke, 4,847,358, Cl. 528-353.000.

Nakayama, Hajime; Tsuyama, Kouichi; and Okamura, Toshiro, 4,859,505, Cl. 427-305.000.

Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, 4,833,264, Cl. 558-416.000.

Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, 4,842,970, Cl. 430-58.000.

Takahashi, Hiroshi; Morozumi, Naohiro; Takanezawa, Shin; and Nakao, Kiyoshi, 4,837,086, Cl. 428-506.000.

Tonoki, Kenji; Tsunoda, Kazuyoshi; Yokono, Haruki; Kono, Hisao; Yokoyama, Ryoji; and Nakamura, Fumiaki, 4,824,509, Cl. 156-285.000.

Tsuru, Yoshiyuki; Okamura, Toshiro; Okishima, Tetsuya; Ikeda, Masayoshi; and Kawamura, Masahiro, 4,842,899, Cl. 427-309.000.

Yusa, Masami; Shibata, Katsuji; and Miyadera, Yasuo, 4,833,204, Cl. 525-113.000.

Hitachi Computer Consultant, Ltd.: *See—*

Takahashi, Masami; Tatsukawa, Eiji; Torii, Shunichi; and Kojima, Keiji, 4,839,799, Cl. 364-200.000.

Hitachi Computer Engineering Co., Ltd.: *See—*

Aoyama, Tomoo; and Kawabe, Shun, 4,849,882, Cl. 364-200.000.

Fukuoka, Kohei; Takemura, Satoshi; Takesue, Yatao; and Tamaru, Hisashi, 4,802,164, Cl. 371-16.000.

Harada, Osamu; Kojima, Akio; Ikeda, Souhei; Watanabe, Yoshihisa; and Tsuji, Yoshihisa, 4,803,871, Cl. 73-104.000.

Maezawa, Hiruyuki; Katumata, Hidetosi; and Tomioka, Mikio, 4,872,167, Cl. 371-19.000.

Hitachi Computer Peripherals Co., Ltd.: *See—*

Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.

Tsukiyama, Tokuhiro; Yashiki, Hiroshi; and Hirose, Osamu, 4,872,009, Cl. 341-95.000.

Hitachi Construction Machinery Co., Ltd.: *See—*

Fukuoka, Hisahiro; Takano, Yutaka; and Kamiyama, Yoichi, 4,870,247, Cl. 219-125.100.

Hirata, Toichi; Tanaka, Hideaki; Sugiyama, Genroku; and Satoh, Shinichi, 4,832,082, Cl. 137-625.660.

Hirata, Toichi; Haga, Masakazu; Hirami, Ichiro; and Yoshida, Kuniaki, 4,881,450, Cl. 91-459.000.

Ichiryu, Ken; Kanai, Takashi; Ochiai, Masami; Nozawa, Yuusaku; and Kato, Hideyo, 4,813,447, Cl. 137-486.000.

Izumi, Eiki; Tanaka, Yasuo; Watanabe, Hiroshi; and Nakamura, Shigetaka, 4,809,504, Cl. 60-430.000.

Kanai, Takashi; Ochiai, Masami; Oshina, Morio; Sonoda, Mitsuo; and Nozaki, Koji, 4,846,046, Cl. 91-506.000.

Koshimizu, Chishio; Hayakawa, Yasuo; Nonaka, Toshio; and Takeda, Sakae, 4,862,383, Cl. 364-507.000.

Nagasawa, Kiyoshi; Ono, Kozo; Ogata, Kojiro; Murayama, Ken; and Hoshino, Yoshihiro, 4,888,878, Cl. 33-573.000.

Satoh, Shinichi; Hirata, Toichi; Sugiyama, Genroku; and Tanaka, Hideaki, 4,858,649, Cl. 137-625.600.

Sugiyama, Genroku; Hirata, Toichi; and Satoh, Shinichi, 4,875,337, Cl. 60-421.000.

Hitachi Denshi Engineering Kabushiki Kaisha: *See—*

Kawano, Hikaru; and Sato, Koji, 4,817,804, Cl. 209-534.000.

Hitachi Denshi Kabushiki Kaisha: *See—*

Eto, Yoshizumi; Takeshita, Kazuyuki; Kanada, Hidehiro; and Umemoto, Masuo, 4,802,192, Cl. 375-116.000.

Iwabe, Kuzuki, 4,827,333, Cl. 358-5.00X.

Kobayashi, Naoya; Ohnishi, Makoto; and Kokuryo, Yoshiro, 4,823,346, Cl. 371-43.000.

Obayashi, Katsuki, 4,801,898, Cl. 331-132.000.

Hitachi Device Eng. Co. Ltd.: *See—*

Takahashi, Yoshiaki, 4,825,120, Cl. 313-414.000.

Hitachi Device Engineering Co., Ltd.: *See—*

Etoh, Jun; Shimohigashi, Katsuhiro; Miyazawa, Kazuyuki; Kimura, Katsutaka; and Akiba, Takesada, 4,873,672, Cl. 365-218.000.

Kakesu, Takateru; and Oomori, Hideo, 4,825,122, Cl. 313-417.000.

Kokabu, Misao; Nakamura, Hitoshi; Fujimura, Takashi; and Hayashi, Nobuyasu, 4,841,315, Cl. 354-1.000.

Kubo, Kiichirou; Kanazaki, Mikio; and Toma, Shinobu, 4,826,297, Cl. 350-339.00R.

Satoo, Masayoshi; Tokunaga, Norikazu; Amano, Hisao; Odaka, Teruaki; and Matsuda, Yasuo, 4,866,589, Cl. 363-21.000.

Shirai, Shoji; Komoro, Hidemasa; Takahashi, Yoshiaki; Fukushima, Masakazu; and Majima, Kazuo, 4,833,365, Cl. 313-414.000.

Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, 4,851,741, Cl. 315-382.000.

Wakita, Shoichi; and Hirasawa, Shigemi, 4,857,795, Cl. 313-402.000.

Hitachi Electronics Eng. Co., Ltd.: *See—*

Sugano, Mitugu; Kaneko, Shinichi; Oka, Mitsunori; Nokina, Kimiya; and Koshimizu, Kazuhiro, 4,797,754, Cl. 360-48.000.

Hitachi Elevator Engineering Co., Ltd.: *See—*

Nakazawa, Hayashi; Iyoda, Hiroumi; and Ueta, Makoto, 4,811,829, Cl. 198-326.000.

Saito, Chuichi; and Hanano, Masamitsu, 4,819,781, Cl. 198-335.000.

Hitachi Engineering Co., Ltd.: *See—*

Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.

Endo, Tunehiro; Kato, Nobuaki; Iizuka, Kenichi; and Tajima, Fumio, 4,879,502, Cl. 318-723.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,811,269, Cl. 364-754.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,839,846, Cl. 364-748.000.

Katsura, Koyo; Maejima, Hideo; and Kajiwara, Hisashi, 4,862,150, Cl. 340-703.000.

Kondoh, Eiki; Morinaga, Shigeki; Yaginuma, Takao; and Asai, Takeshi, 4,888,721, Cl. 364-736.000.

Sakurai, Mikio; Hayashi, Tsutomu; Izumi, Masayuki; Sasaki, Hiroshi; Satho, Thoru; and Owada, Kazuo, 4,806,277, Cl. 252-626.000.

Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.

Yamanari, Shozo; Horiuchi, Tetsuo; Tominaga, Kenji; Goto, Hiroshi; and Miura, Satoshi, 4,808,369, Cl. 376-282.000.

Hitachi Heating Appliances Co., Ltd.: *See—*

Hotta, Kouichi; Yazawa, Yukichi; and Tatsukawa, Osami, 4,814,588, Cl. 219-10.55B.

Iwabuchi, Koji; Tawada, Masaharu; Kanagawa, Noriyuki; Aoyama, Mituhiro; Yamazaki, Katsuhiro; and Kaneko, Kazuo, 4,845,327, Cl. 219-10.55F.

Iwabuchi, Koji; Kubota, Tetsuo; Tanaka, Yukio; and Tawada, Masaharu, 4,868,359, Cl. 219-10.55D.

Hitachi Iruma Electronic Co., Ltd.: *See—*

Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,834,492, Cl. 350-96.200.

Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,883,342, Cl. 350-320.000.

Hitachi Keiyo Engineering Co., Ltd.: *See—*

Miyake, Norihisa; and Sumita, Masaki, 4,887,222, Cl. 364-513.000.

Sarugaku, Shinichi, 4,883,938, Cl. 219-124.340.

Hitachi Kiden Kogyo Kabushiki Kaisha: *See—*

Kawaguchi, Kojiro; and Furukawa, Shohei, 4,800,818, Cl. 104-290.000.

Hitachi Koki Co., Ltd.: *See—*

Arimoto, Akira; Saito, Susumu; and Mochizuki, Takeshi, 4,806,951, Cl. 346-108.000.

Hayakawa, Mitsuaki; Tokoro, Hiroyoshi; and Kawate, Kiyoo, 4,821,077, Cl. 355-3.0FU.

Iimura, Yoshio; and Nagahara, Kazuyuki, 4,873,479, Cl. 320-2.000.

Kumasaka, Taiichi; Hirano, Yasuyuki; Ozaki, Katsuhiko; and Sawada, Koichi, 4,799,416, Cl. 83-397.000.

Kumasaka, Takao; Mitsuya, Teruaki; Komatsu, Isamu; Fujiwara, Shigetaka; and Shimazaki, Yuzuru, 4,862,828, Cl. 118-658.000.

Kurosawa, Makoto; and Igarashi, Kenichi, 4,879,947, Cl. 101-93.040.

Matsumoto, Yoshikane; Hiki, Toshio; and Kurosawa, Makoto, 4,889,052, Cl. 101-93.040.

Mitsuya, Teruaki; Kumasaka, Takao; Nishino, Shinichi; Yamada, Masato; and Fujiwara, Shigetaka, 4,821,052, Cl. 355-14.0FU.

Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,841,137, Cl. 250-236.000.

Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,882,483, Cl. 250-236.000.

Sakamoto, Junshin; Suzuki, Shun; and Tsushima, Akinori, 4,836,349, Cl. 192-56.00R.

Shinohara, Shigeru; and Suzuki, Shun, 4,803,410, Cl. 318-331.000.

Shinohara, Shigeru; Suzuki, Shun; and Niyada, Masateru, 4,831,364, Cl. 340-680.000.

Takano, Yasuo; Tokoro, Hiroyoshi; Kobayashi, Junji; Yamada, Masato; Harada, Toshimitsu; and Hosoya, Kensei, 4,796,561, Cl. 118-657.000.

Terayama, Tsunehisa; Moriguchi, Seki; and Kubota, Toshifumi, 4,832,245, Cl. 227-130.000.

Tokoro, Hiroyoshi; Kobayashi, Tsuneki; Hosoya, Kensei; Nobumori, Shogo; and Hayakawa, Mitsuaki, 4,806,979, Cl. 355-14.0SH.

Watahiki, Shinichi; Itoh, Nobuhiko; Ihata, Nobuo; and Miyazaki, Masao, 4,877,344, Cl. 400-124.000.

Hitachi Koki Haramachi Co., Ltd.: *See—*

Sato, Masayuki; and Ushiwata, Shigeharu, 4,869,142, Cl. 83-467.100.

Hitachi, Ltd.: *See—*

Abe, Seiichi; Fujita, Kenji; and Nakao, Toshiyuki, 4,821,946, Cl. 228-180.200.

Abe, Shigeo; Bandoh, Tadaaki; Hirasawa, Kotaro; and Ide, Juichi, 4,853,890, Cl. 364-900.000.

Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, 4,883,338, Cl. 350-96.340.

Abukawa, Toshimi; Tahara, Kazuo; Takahashi, Noriyoshi; and Tomite, Toshio, 4,823,037, Cl. 310-230.000.

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

Achiha, Masahiko; Ishikura, Kazuo; Saito, Shobu; Sugiyama, Masato; and Katsumata, Kenji, 4,811,092, Cl. 358-105.000.

Adachi, Shigemi; Nakaosa, Yoshitake; and Fujioka, Yoshiki, 4,812,975, Cl. 364-300.000.

Aihara, Katsuzo; Hara, Nobuhiro; Tada, Naofumi; Ogihara, Masahiro; Kouriki, Katsuo; and Suzuki, Yasuo, 4,870,379, Cl. 505-1.000.

Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.

Aizawa, Tamio; Takahara, Kyoji; and Yamato, Koichi, 4,845,651, Cl. 364-522.000.

Aizawa, Tamio; and Takahara, Kyoji, 4,858,150, Cl. 364-522.000.

Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Takokoro, Akio; Toba, Ritsuji; and Yoshimura, Toyofusa, 4,865,888, Cl. 427-443.100.

Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Tadokoro, Akio; and Yoshimura, Toyofusa, 4,876,177, Cl. 430-313.000.

Akimoto, Hajime; Ozaki, Toshifumi; and Ohba, Shinya, 4,809,075, Cl. 358-213.180.

Akimoto, Hajime; Ando, Haruhisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, 4,814,848, Cl. 357-24.000.

Akiyama, Takao; Ito, Tetsuo; and Sumida, Isao, 4,879,087, Cl. 376-216.000.

Akiyama, Toshiyuki; Ozawa, Naoki; Ogino, Takeshi; and Takahashi, Kenji, 4,805,025, Cl. 358-213.260.

Amada, Eiichi; Yamakido, Kazuo; Kozaki, Takahiko; Nishita, Shigeo; and Kokubo, Masaru, 4,796,296, Cl. 379-410.000.

Amada, Eiichi; Shirasu, Hirotoshi; Takatori, Hiroshi; Kazawa, Tohru; Suzuki, Toshiro; Miyamoto, Takanori; and Kameyama, Tatsuya, 4,841,521, Cl. 370-31.000.

Amano, Matsuo; Shida, Masami; Sakamoto, Masahide; Hirayama, Takeshi; and Sasayama, Takao, 4,837,698, Cl. 364-431.070.

Amano, Matsuo; Suda, Seiji; and Satou, Nobuo, 4,852,010, Cl. 364-431.030.

Amano, Yoshiaki; Yokoyama, Eiji; and Ohyauchi, Hideo, 4,838,897, Cl. 48-196.00A.

Ando, Haruhisa; Nakai, Masaaki; Ono, Hideyuki; Ozaki, Toshifumi; Ohba, Shinya; and Koike, Norio, 4,862,487, Cl. 377-58.000.

Ando, Takeki; Nakamura, Kiyoshi; Mine, Toshisuke; Inaba, Hiromi; Kurosawa, Toshiaki; Nakazato, Masao; and Sakai, Yoshio, 4,884,182, Cl. 363-37.000.

Aoki, Masaaki; Yano, Kazuo; and Masuhara, Toshiaki, 4,864,382, Cl. 357-64.000.

Aoki, Masakazu; and Suzuki, Akira, 4,815,950, Cl. 417-253.000.

Aoki, Satoshi; and Murata, Atsushi, 4,834,491, Cl. 350-96.200.

Aoki, Takayoshi; Takeda, Masayuki; Nagatsuka, Ikutaroh; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,861,694, Cl. 430-137.000.

Aotsu, Hiroaki; Ogura, Toshihiko; Kimura, Koichi; Kuwabara, Tadashi; and Makaya, Yuuichi, 4,849,907, Cl. 364-518.000.

Aoyama, Goro; Kawabe, Ryuhei; Ikeda, Takashi; and Goto, Tadashi, 4,869,647, Cl. 415-50.000.

Aoyama, Motoo; Bessho, Yasunori; Morimoto, Yuichi; Maruyama, Hiromi; and Uchikawa, Sadao, 4,826,654, Cl. 376-444.000.

Aoyama, Motoo; Maruyama, Hiromi; Bessho, Yasunori; and Uchikawa, Sadao, 4,832,906, Cl. 376-419.000.

Aoyama, Motoo; and Takeda, Renzo, 4,871,510, Cl. 376-444.000.

Aoyama, Motoo; Bessho, Yasunori; Uchikawa, Sadao; Takeda, Renzo; and Ishii, Yoshihiko, 4,876,062, Cl. 376-444.000.

Aoyama, Tomoo; and Kawabe, Shun, 4,849,882, Cl. 364-200.000.

Arabori, Noboru; Takahashi, Hideaki; Sakai, Yoshio; and Yoneda, Kenji, 4,852,694, Cl. 187-115.000.

Arai, Nobukatsu; Sekine, Yoshihito; Osawa, Tadao; Tokuda, Hiroatsu; Usui, Toshifumi; and Tsutsui, Mitsukuni, 4,887,577, Cl. 123-494.000.

Arakawa, Tadao; Hashimoto, Tsuguo; and Kawauchi, Akihiro, 4,858,562, Cl. 122-7.00R.

Arimoto, Akira; Saito, Susumu; and Mochizuki, Takeshi, 4,806,951, Cl. 346-108.000.

Arimoto, Akira; Ojima, Masahiro; and Saito, Susumu, 4,811,348, Cl. 372-29.000.

Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu, 4,843,537, Cl. 364-187.000.

Asakura, Yamato; Endo, Masao; Uchida, Shunsuke; Matsuda, Masami; and Suzuki, Kazumichi, 4,831,324, Cl. 324-57.00R.

Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.

Asano, Katsuhiko; and Hashimoto, Hiroshi, 4,887,059, Cl. 335-281.000.

Asano, Katuhiko; and Suzuki, Takao, 4,872,314, Cl. 62-49.100.

Atago, Takeshi; Mouri, Yasunori; and Manaka, Toshio, 4,821,698, Cl. 123-478.000.

Azuma, Nobuo; Masui, Hikaru; and Watatani, Yoshizumi, 4,809,096, Cl. 360-77.150.

Azuma, Nobuo; Takahashi, Masaru; Shibata, Akira; and Mikamo, Katsumi, 4,819,097, Cl. 360-35.100.

Azumi, Takashi; and Murakami, Toshio, 4,868,666, Cl. 358-227.000.

Azusawa, Noboru; Hashimoto, Tadahiko; Shiraishi, Hisayoshi; and Nagae, Yoshiharu, 4,810,064, Cl. 350-351.000.

Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.

Baba, Shiro, 4,833,640, Cl. 364-900.000.

Baba, Shiro, 4,875,047, Cl. 341-155.000.

Baji, Toru; Matsuura, Tatsuji; Tsukada, Toshiro; and Ohba, Shinya, 4,825,287, Cl. 358-160.000.

Banba, Fumiyasu; and Okami, Yoshinori, 4,803,614, Cl. 364-200.000.

Bekki, Yoshinori; Wada, Hiroyuki; Yamaga, Mitsuhiro; and Nakayashiki, Susumu, 4,847,611, Cl. 340-825.050.

Chida, Katsunori; Tomita, Sigeo; and Koga, Kenji, 4,831,288, Cl. 307-633.000.

Chino, Yasuaki, 4,857,717, Cl. 250-201.000.

Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; Kajimura, Takashi; and Ohtoshi, Tsukuru, 4,881,235, Cl. 372-45.000.

Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; and Kajimura, Takashi, 4,881,238, Cl. 372-68.000.

Christopher, Todd J.; and Hirahata, Shigeru, 4,821,226, Cl. 364-900.000.

Daito, Hiroshi; and Hara, Sigeo, 4,853,812, Cl. 360-104.000.

Dekura, Yoshinori; Momata, Kazuhiro; and Seto, Tokiyuki, 4,796,132, Cl. 360-113.000.

Doi, Masayuki; Asahi, Naotatsu; Kojima, Yoshitaka; Kanamaru, Hisanobu; and Aoyama, Susumu, 4,873,150, Cl. 428-627.000.

Doi, Motomichi; Izushi, Minetoshi; Kawaike, Kazuhiko; and Urashin, Masayuki, 4,878,820, Cl. 418-203.000.

Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.

Ebina, Osamu; and Ono, Seigo, 4,812,829, Cl. 340-709.000.

Eguchi, Hiroyoshi; Yamada, Norio; Kusuyama, Itaru; and Saitou, Chikara, 4,839,798, Cl. 364-200.000.

Endo, Norikazu, 4,884,195, Cl. 364-200.000.

Endo, Satoru, 4,886,998, Cl. 313-414.000.

Endo, Tunehiro; Kato, Nobuaki; Iizuka, Kenichi; and Tajima, Fumio, 4,879,502, Cl. 318-723.000.

Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi, 4,853,638, Cl. 324-441.000.

Eto, Yoshizumi; Takeshita, Kazuyuki; Kanada, Hidehiro; and Umemoto, Masuo, 4,802,192, Cl. 375-116.000.

Etoh, Jun; Shimohigashi, Katsuhiro; Miyazawa, Kazuyuki; Kimura, Katsutaka; and Akiba, Takesada, 4,873,672, Cl. 365-218.000.

Ezaki, Satoru; Tanaka, Kiyofumi; Kasahara, Tsukasa; Hirose, Tetsuya; and Nakagawa, Tetsuro, 4,858,659, Cl. 140-105.000.

Fujii, Hiroshi; and Nagato, Yuichiro, 4,802,077, Cl. 363-41.000.

Fujino, Yasunori; Sugiura, Noboru; and Kobayashi, Ryoichi, 4,836,176, Cl. 123-640.000.

Fujisaki, Kunio, 4,877,945, Cl. 235-379.000.

Fujisawa, Hiromichi; Higashino, Junichi; and Hatakeyama, Atushi, 4,868,733, Cl. 364-200.000.

Fujishiro, Keisuke, 4,868,973, Cl. 29-740.000.

Fujita, Bunichi; and Kawashima, Seiichi, 4,847,516, Cl. 307-269.000.

Fujiwara, Katsuhiro; Oshiga, Takayuki; and Kasahara, Toshiro, 4,807,178, Cl. 364-900.000.

Fujiwara, Yasuhiko; Abe, Toshiro; Hashimoto, Atsunori; Nakazawa, Shinsuke; Nagano, Masami; and Atago, Takeshi, 4,887,573, Cl. 123-422.000.

Fukasawa, Hideyuki; Kobayashi, Mamoru; and Wanami, Masahiro, 4,871,110, Cl. 228-245.000.

Fukinuki, Takahiko; Hirano, Yasuhiro; Yoshigi, Hiroshi; and Jusa, Hidehiko, 4,885,631, Cl. 358-21.00R.

Fukke, Hajime, 4,873,129, Cl. 428-694.000.

Fukuda, Hiroshi; Hasegawa, Norio; Tanaka, Toshihiko; and Kurosaki, Toshiei, 4,869,999, Cl. 430-311.000.

Fukuda, Kyohei, 4,810,075, Cl. 350-432.000.

Fukuda, Kyohei; Yoshikawa, Hiroki; Mori, Shigeru; Hirata, Koji; and Sakurai, Soichi, 4,824,224, Cl. 350-432.000.

Fukuda, Kyohei; Sakurai, Soichi; Hirata, Koji; and Mori, Shigeru, 4,884,879, Cl. 350-432.000.

Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, 4,876,983, Cl. 118-722.000.

Fukuda, Toshio; Yoneda, Kenji; Ueshima, Takaaki; and Sasaki, Osamu, 4,852,696, Cl. 187-139.000.

Fukuhara, Satoru; Shinada, Hiroyuki; and Todokoro, Hideo, 4,868,394, Cl. 250-397.000.

Fukuoka, Hirotsugu; Kawakami, Kanji; Aihara, Makoto; Suda, Mitsuo; Takeshita, Kouji; and Isono, Yukihiro, 4,861,398, Cl. 156-64.000.

Fukuoka, Kohei; Takemura, Satoshi; Takesue, Yatao; and Tamaru, Hisashi, 4,802,164, Cl. 371-16.000.

Fukushima, Masahito; Matsuda, Eiji; Matsuoka, Shigeru; and Yonenaga, Hitoshi, 4,825,308, Cl. 360-46.000.

Fukuzawa, Sooichi; Takeda, Yoshiaki; and Ohwa, Yoshio, 4,860,990, Cl. 251-30.030.

Fukuzawa, Tadashi; Chinone, Naoki; Nakatsuka, Shin'ichi; Saito, Katsutoshi; Kajimura, Takashi; and Ono, Yuuichi, 4,827,483, Cl. 372-45.000.

Fukuzawa, Tadashi; Yamada, Eizaburo; Hiruma, Kenji; and Matsumura, Hiroyoshi, 4,847,573, Cl. 332-7.510.

Funada, Takashi, 4,862,103, Cl. 330-[illegible]04.000.

Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.

Furuhashi, Koshi; Miyazaki, Satoshi; Furuya, Masakazu; Kawatobi, Tatsuo; Kouyama, Sinichi; and Kashio, Jiro, 4,875,208, Cl. 370-94.100.

Furuhata, Takashi; Yumde, Yasufumi; Okamura, Fujio; Noguchi, Takaharu; Shibuya, Toshifumi; Mohri, Katsuo; Arai, Takao; and Terada, Toshimichi, 4,843,493, Cl. 360-77.150.

Furuhata, Takashi; Owashi, Hitoaki; Ito, Takayasu; and Hamaguchi, Masakazu, 4,873,582, Cl. 358-310.000.

Furukawa, Seijiro; Etoh, Hiroyuki; Ishizaka, Akitoshi; and Shimada, Toshikazu, 4,885,614, Cl. 357-16.000.

Furukawa, Yosio; Yasaka, Yasuhiro; Nagura, Osamu; Haraguchi, Eiji; Nakagawa, Hiroto; and Oono, Yasuteru, 4,870,339, Cl. 322-29.000.

Furusawa, Tadao; Mitsuyuki, Hiroshi; Sato, Hironobu; Tatsuno, Yujiro; and Matsuoka, Shigeru, 4,858,171, Cl. 364-900.000.

Fushimi, Satoru; Nakagawa, Yasuo; Kuni, Asahiro; Kubota, Hitoshi; and Koshishiba, Hiroya, 4,814,615, Cl. 250-311.000.

Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.

Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.

Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.

Gotou, Shizuo; Kanada, Yasusi; and Iwasawa, Kyoko, 4,807,126, Cl. 364-300.000.

Gotou, Shizuo; Kagimasa, Toyohiko; and Yoshizumi, Seiichi, 4,876,646, Cl. 364-200.000.

Gunji, Yasuhiro; Okada, Sadayuki; Isogai, Masato; Kondo, Katsumi; Ibamoto, Masahiko; Kuwabara, Kazuhiro; and Kanke, Atsushi, 4,836,657, Cl. 350-350.00S.

Hagiwara, Masayoshi; Suzuki, Michio; Sasaki, Ryoichi; Sugano, Minoru; Horiki, Akira; and Hayashi, Kazuyuki, 4,876,681, Cl. 370-60.000.

Hama, Yasuo; Takaku, Shigetake; and Murai, Hirosi, 4,850,921, Cl. 445-63.000.

Hamada, Hozumi; and Nakano, Hiraku, 4,881,193, Cl. 364-761.000.

Hamada, Takuji; Takahashi, Masahiro; Yoneda, Katsuhiko; Onuki, Ken; and Uchiyama, Toshihiko, 4,855,993, Cl. 370-16.000.

Hamada, Yasunori; Noda, Kousuke; Oizumi, Junichi; Terayama, Takao; Hayama, Toru; and Yamanaka, Haruo, 4.864,108, Cl. 235-379.000.

Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuitoo, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, 4,814,921, Cl. 360-126.000.

Hanawa, Makoto; Kawasaki, Ikuya; and Nishimukai, Tadahiko, 4,845,614, Cl. 364-200.000.

Hara, Seiichiro; and Hoshi, Yoshikazu, 4,854,284, Cl. 123-414.000.

Hara, Yasuhiko; Karasaki, Koichi; and Ujiie, Noriaki, 4,816,686, Cl. 250-458.100.

Harada, Akikazu, 4,833,367, Cl. 315-39.530.

Harada, Eiji; Matsuzaki, Hitoshi; Tomita, Sigeo; and Chida, Katsunori, 4,884,126, Cl. 357-81.000.

Harada, Osamu; Kojima, Akio; Ikeda, Souhei; Watanabe, Yoshihisa; and Tsuji, Yoshihisa, 4,803,871, Cl. 73-104.000.

Harada, Yutaka; Goto, Eiichi; Kawabe, Ushio; Miyamoto, Nobuo; Nakane, Hideaki; and Hatano, Mutsuko, 4,866,373, Cl. 324-127.000.

Harada, Yutaka; Yano, Shinichiro; Miyake, Mutsuko; Kawabe, Ushio; and Nishino, Toshikazu, 4,888,629, Cl. 357-5.000.

Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.

Hasegawa, Hiroshi; Sugimoto, Koichi; Yano, Takeshi; Netsu, Tositada; Tani, Mitsukiyo; and Kojima, Tosaku, 4,875,618, Cl. 228-179.000.

Hasegawa, Nobuo; and Okuyama, Eiichi, 4,814,653, Cl. 310-90.000.

Hashimoto, Ichiro; Ishizaki, Kosho; Hayashida, Hiroshi; and Miyashita, Kunio, 4,890,024, Cl. 310-49.00R.

Hashimoto, Isao; and Kadooka, Hideshi, 4,870,284, Cl. 250-423.00R.

Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.

Hatanaka, Keiji; Sakuma, Kiyotoshi; Morita, Kiyomi; and Miyake, Junji, 4,860,211, Cl. 364-431.050.

Hatta, Yasushi; Mitsusada, Kazumichi; Tanaka, Hirotoshi; and Hayashi, Takehisa, 4,803,527, Cl. 357-13.000.

Hattori, Osamu; Gotoh, Toshihiko; and Tanno, Kohtarou, 4,862,193, Cl. 346-76.0PH.

Hayakawa, Tadashi; Shiinoki, Kazuaki; Mitsuhashi, Sinji; and Naya, Kotaro, 4,797,068, Cl. 417-201.000.

Hayakawa, Wataru, 4,808,809, Cl. 250-205.000.

Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nonogaki, Saburo; and Nishizawa, Masahiro, 4,857,429, Cl. 430-28.000.

Hayashi, Takehisa; Ishibashi, Kenichi; and Doi, Toshio, 4,849,660, Cl. 307-475.000.

Hayashi, Yoshihiko; and Orihashi, Ritsuro, 4,855,970, Cl. 368-120.000.

Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, 4,886,721, Cl. 430-59.000.

Higuchi, Hisayuki; and Suzuki, Makoto, 4,825,274, Cl. 357-43.000.

Higuchi, Hisayuki; Suzuki, Makoto; and Homma, Noriyuki, 4,858,191, Cl. 365-189.050.

Higuchi, Hisayuki; Suzuki, Makoto; Homma, Noriyuki; and Itoh, Kiyoo, 4,866,673, Cl. 365-177.000.

Hikita, Mitsutaka; Saigo, Yoichi; and Kurosawa, Kazuhito, 4,803,449, Cl. 333-193.000.

Hino, Yusuke; Horimoto, Tohru; Gemma, Hideaki; Iwata, Toshiharu; and Yamada, Kimitoshi, 4,879,550, Cl. 340-825.050.

Hinode, Kenji, 4,887,146, Cl. 357-71.000.

Hiramatsu, Hiromichi; Odashima, Hitoshi; Hirayama, Kuniaki; and Ohji, Toshio, 4,882,833, Cl. 29-596.000.

Hiraoka, Susumu; Suzuki, Keizo; and Nishimatsu, Shigeru, 4,828,874, Cl. 427-53.100.

Hirosawa, Toshio; Ohki, Masaru; and Kuwahara, Yutaka, 4,809,163, Cl. 364-200.000.

Hirosawa, Toshio; Kurihara, Jun'ichi; and Okumura, Shigemi, 4,812,967, Cl. 364-200.000.

Hirosawa, Toshio; and Ohki, Masaru, 4,814,975, Cl. 364-200.000.

Hirose, Etsurou; Tsubaki, Toshio; Tokunaga, Takeshi; and Isoo, Osamu, 4,825,[illegible]15, Cl. 360-97.010.

Hirose, Hiroshi, 4,808,819, Cl. 250-288.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,811,269, Cl. 364-754.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,839,846, Cl. 364-748.000.

Hirose, Yasuo, 4,834,936, Cl. 376-310.000.

Hirotsu, Tetsuji; Nakamura, Kiyoshi; Kasai, Syoji; Yamaguchi, Hiroshi; and Kozu, Eiji, 4,799,161, Cl. 364-426.010.

Hishinuma, Toshio; Katsuta, Atsushi; and Tajima, Takeharu, 4,812,932, Cl. 360-97.010.

Hiyama, Kunio; Kawakita, Kenji; and Takada, Osamu, 4,855,995, Cl. 370-86.000.

Hohkita, Atsushi, 4,809,509, Cl. 60-605.100.

Homma, Noriyuki; Nakamura, Tohru; Nakazato, Kazuo; Matsumoto, Motoaki; Hayashida, Tetsuya; Kubo, Masaharu; and Sagara, Kazuhiko, 4,858,184, Cl. 365-174.000.

Homma, Yoshifumi, 4,809,042, Cl. 355-8.000.

Honda, Takashi; Furutani, Yasumasa; Ohashi, Kenya; Kashimura, Eiji; Minato, Akira; Ohsumi, Katsumi; and Itou, Hisao, 4,828,790, Cl. 376-306.000.

Honda, Toyota; and Hirahata, Shigeru, 4,802,118, Cl. 364-900.000.

Honjyo, Shigeru; Minato, Osamu; Sakai, Yoshio; Yamanaka, Toshiaki; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,849,801, Cl. 357-51.000.

Honshima, Teruhisa; Watanabe, Yasuaki; Takahachi, Akira; Samata, Tadayochi; Tohkairin, Akira; and Ogasawara, Nobuhiko, 4,829,206, Cl. 310-214.000.

Hori, Ryoichi; Itoh, Kiyoo; Kitsukawa, Goro; Kawajiri, Yoshiki; Watanabe, Takao; and Kawahara, Takayuki, 4,873,673, Cl. 365-230.060.

Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.

Horiguchi, Hyosei; Tezuka, Akira; and Seki, Shuuichi, 4,852,639, Cl. 165-42.000.

Horikawa, Ethuo; and Masuzaki, Hidefumi, 4,860,114, Cl. 358-426.000.

Hosaka, Sumio; and Tamura, Hifumi, 4,835,399, Cl. 250-492.200.

Hoshi, Nobuyoshi; Anzai, Masayasu; Komatsu, Isamu; and Akimaru, Susumu, 4,822,702, Cl. 430-42.000.

Hosoki, Shigeyuki; Hosaka, Sumio; and Takata, Keiji, 4,883,959, Cl. 250-306.000.

Hotta, Masao; Maio, Kenji; and Shimizu, Toshihiko, 4,851,845, Cl. 341-159.000.

Ibe, Makoto; and Kochi, Masanori, 4,823,218, Cl. 360-104.000.

Ichikawa, Atsushi; Ito, Masamichi; and Saito, Akira, 4,838,649, Cl. 350-247.000.

Ichikawa, Norio; Itsuji, Takayuki; and Miki, Masayuki, 4,799,018, Cl. 324-465.000.

Ichikawa, Yoshiaki; Senoh, Makoto; Tsuchita, Kenji; Koizumi, Akira; and Iwama, Kunihiko, 4,824,633, Cl. 376-268.000.

Ichikawa, Yoshiaki; Senoh, Makoto; Suzuki, Masanori; Kamimura, Hiroshi; Tomizawa, Fumio; Sugiyama, Sakae; and Sasaki, Masayoshi, 4,837,734, Cl. 364-513.000.

Ichimura, Shigeru; Nakasuna, Seiko; Kawarai, Takeshi; Nishiyama, Takanori; and Toyoshima, Shuji, 4,885,643, Cl. 358-335.000.

Ide, Akira; and Saito, Yoshikazu, 4,883,988, Cl. 307-443.000.

Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yuichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, 4,874,574, Cl. 376-333.000.

Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.

Iijima, Tadahiko; Kawai, Takumi; Tennichi, Yasuhiro; and Yanada, Sadao, 4,825,352, Cl. 364-140.000.

Iizuka, Hisao; Hiratsuka, Shigetoshi; Tanno, Kiyohiko; Satou, Teruji; and Ashizuka, Norihiro, 4,829,321, Cl. 346-107.00R.

Iizuka, Nobuyuki; Hisano, Katsukuni; Wada, Katsuo; Hirose, Fumiyuki; and Arai, Osamu, 4,829,764, Cl. 60-39.230.

Iizuka, Nobuyuki; Kumata, Kazuhiko; and Kuroda, Michio, 4,872,312, Cl. 60-760.000.

Ikebe, Yoshinori; Tamura, Hifumi; and Izumi, Eiichi, 4,833,331, Cl. 250-440.100.

Ikeda, Minoru; Funatsu, Ryuichi; Kembo, Yukio; and Taniguchi, Motoya, 4,852,133, Cl. 378-3[illegible].000.

Ikeda, Shuji; and Meguro, Satoshi, 4,828,629, Cl. 148-33.300.

Ikeda, Shuji; Meguro, Satoshi; Nishimura, Kotaro; Yamamoto, Sho; and Tanimura, Nobuyoshi, 4,841,481, Cl. 365-154.000.

Ikeda, Shuji; Nagasawa, Kouichi; Meguro, Satoshi; and Yamamoto, Sho, 4,890,148, Cl. 357-45.000.

Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.

Ikeda, Takahide; Watanabe, Atsuo; Mukai, Touji; Odaka, Masanori; and Ogiue, Katsumi, 4,799,098, Cl. 357-43.000.

Ikegaya, Hiroshi; Umeno, Hidenori; Kubo, Takashige; Ukai, Yoshio; and Sugama, Nobuyoshi, 4,802,084, Cl. 364-200.000.

Ikeuchi, Hisaaki; Madokoro, Manabu; Sato, Haruo; and Jodoi, Takashi, 4,885,123, Cl. 376-233.000.

Ikeura, Kenji; Kawamura, Yoshihisa; Nagano, Masami; and Suda, Seiji, 4,825,833, Cl. 123-435.000.

Imahashi, Hiromichi; Kubo, Toshio; Asahi, Kazumi; Mukai, Hideyuki; and Ogata, Keizo, 4,863,679, Cl. 376-417.000.

Imaide, Takuya, 4,796,071, Cl. 357-24.000.

Imaide, Takuya; Ohdawa, Hisao; and Noda, Masaru, 4,809,074, Cl. 358-213.150.

Imaide, Takuya; Nishimura, Ryuji; and Noda, Masaru, 4,819,075, Cl. 358-213.180.

Imamura, Jiro; Wakai, Katsuro; and Yoshida, Tohru, 4,833,598, Cl. 364-200.000.

Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.

Imoto, Katsuyuki, 4,801,190, Cl. 350-96.160.

Imoto, Katsuyuki; and Sano, Hirohisa, 4,822,128, Cl. 350-96.160.

Imoto, Katsuyuki; Maeda, Minoru; Kameyama, Masayoshi; Ikuta, Yasushi; Araki, Hiroshi; and Oho, Shigeru, 4,842,359, Cl. 350-96.160.

Imoto, Katsuyuki, 4,856,859, Cl. 350-96.120.

Imoto, Katsuyuki, 4,871,221, Cl. 350-96.120.

Imoto, Katsuyuki; Takase, Akihiko; Takai, Atsushi; Aoki, Satoshi; Yoshiya, Tsutomu; and Yamada, Shoji, 4,880,289, Cl. 350-96.180.

Inaba, Hiromi; Shima, Seiya; Hokari, Sadao; Tobita, Toshimitsu; Takahashi, Hideaki; and Ueda, Shigeta, 4,829,416, Cl. 363-41.000.

Inaba, Hiromi; Shima, Seiya; Ando, Takeki; Kurosawa, Toshiaki; and Mitsui, Nobuo, 4,833,586, Cl. 363-41.000.

Inaba, Hiromi; Shima, Seiya; Kurosawa, Toshiaki; Tobita, Toshimitsu; Hombu, Mitsuyuki; and Mitsui, Nobuo, 4,870,556, Cl. 363-41.000.

Inaba, Tohru, 4,841,354, Cl. 357-71.000.

Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Junjiro, 4,810,461, Cl. 376-457.000.

Inagami, Yasuhiro; Nakagawa, Takayuki; and Nagashima, Shigeo, 4,803,620, Cl. 364-200.000.

Inagami, Yasuhiro; Nakagawa, Takayuki; Tamaki, Yoshiko; and Nagashima, Shigeo, 4,881,168, Cl. 364-200.000.

Inami, Kazumasa, 4,851,938, Cl. 360-69.000.

Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.

Inohana, Haruyuki; Takaoka, Saburo; and Takada, Hideaki, 4,890,170, Cl. 360-65.000.

Inoue, Hiroaki; Sakano, Shinji; Nakamura, Hitoshi; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,887,877, Cl. 350-96.110.

Inoue, Masashi; Satoh, Hiroshi; and Tamamoto, Hideo, 4,850,510, Cl. 221-131.000.

Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.

Ishibashi, Masayuki; and Yoshioka, Hiroshi, 4,871,940, Cl. 313-412.000.

Ishida, Masahiko; Haga, Ryooichi; Odawara, Yoji; Takahashi, Sankichi; and Ebara, Katsuya, 4,861,383, Cl. 127-67.000.

Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hatoh, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.

Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sudo, Ryoichi; Iwami, Etsuji; and Izumi, Hirohumi, 4,866,338, Cl. 313-478.000.

Ishige, Ryohei; and Hatakeyama, Kazuo, 4,838,438, Cl. 212-159.000.

Ishii, Kyoko; Yanagisawa, Kazumasa; and Muranaka, Masaya, 4,807,190, Cl. 365-189.000.

Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,834,492, Cl. 350-96.200.

Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,883,342, Cl. 350-320.000.

Ishii, Tatsuki; and Iwanabe, Makiko, 4,805,113, Cl. 364-491.000.

Ishikawa, Hideaki; and Hasegawa, Taiji, 4,836,169, Cl. 123-480.000.

Ishikawa, Hideaki; Abe, Osamu; and Uehara, Aiichi, 4,869,224, Cl. 123-489.000.

Ishikawa, Masatoshi, 4,850,485, Cl. 206-387.000.

Ishikawa, Sachiko; and Arimoto, Akira, 4,861,128, Cl. 350-96.130.

Ishikawa, Tooru; and Kosuge, Tokuo, 4,811,905, Cl. 239-585.000.

Ishikawa, Toshio; and Yamagiwa, Tokio, 4,818,825, Cl. 174-212.000.

Ishikura, Hisatsugu; and Saito, Shigeki, 4,802,543, Cl. 180-79.100.

Ishino, Takashi; Hiyama, Isao; Nagano, Yousuke; Shikamori, Tamotu; Turuta, Shizuo; Kamano, Toshiyasu; and Oshugi, Hiroshi, 4,868,944, Cl. 8-158.000.

Ishioka, Sachio; Tsuji, Kazutaka; Takasaki, Yukio; Shimomoto, Yasuharu; Matsubara, Hirokazu; and Hirai, Tadaaki, 4,829,345, Cl. 357-19.000.

Ishiyama, Kunio, 4,833,581, Cl. 363-20.000.

Ishizuka, Takuo, 4,841,475, Cl. 364-900.000.

Itagaki, Teruo; and Noro, Teruo, 4,800,563, Cl. 371-13.000.

Itahana, Hiroshi; Usui, Yoshinori; and Tsuboi, Takashi, 4,864,385, Cl. 357-82.000.

Itakura, Tomiya; and Kamifuji, Hiroshi, 4,879,982, Cl. 123-339.000.

Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.

Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.

Ito, Toshikazu; and Degawa, Takashi, 4,852,798, Cl. 237-2.00A.

Ito, Yasushi; Imamura, Masaaki; Kato, Yoshiki; and Fumioka, Jun, 4,842,618, Cl. 51-293.000.

Ito, Yukihiro; Imaizumi, Takeshi; Tukahara, Tadayuki; and Miyamoto, Yoshimi, 4,808,841, Cl. 307-11.000.

Itoh, Hiroyuki; Yagyu, Masayoshi; Yamada, Toshio; Osanai, Masaru; Masaki, Akira; Usami, Mitsuo; Kobayashi, Tohru; and Hamamoto, Masato, 4,868,420, Cl. 307-441.000.

Itoh, Kiyoo; Kawajiri, Yoshiki; Kimura, Katsutaka; Hori, Ryoichi; and Etoh, Jun, 4,796,234, Cl. 365-227.000.

Itoh, Kiyoo, 4,803,664, Cl. 365-210.000.

Itoh, Kiyoo; and Hori, Ryoichi, 4,825,418, Cl. 365-207.000.

Itoh, Masahiko; Midorikawa, Heihatiro; Furutani, Yasumasa; and Aizawa, Michihiko, 4,857,222, Cl. 252-69.000.

Itoh, Shigeyuki; Watatani, Yoshizumi; and Tsunoka, Akitoshi, 4,825,305, Cl. 360-8.000.

Iwami, Hidefumi; Tabata, Kuniaki; Machida, Tetsuo; Miyake, Tuguo; and Murata, Fumiya, 4,829,294, Cl. 340-723.000.

Iwamoto, Taro; Aoki, Tatsu; Nakajima, Kichio; and Yamamoto, Hiroshi, 4,853,874, Cl. 364-513.000.

Iwamura, Masahiro; and Masuda, Ikuro, 4,813,020, Cl. 365-189.000.

Iwamura, Masahiro; Hotta, Takashi; and Maejima, Hideo, 4,849,658, Cl. 307-446.000.

Iwamura, Masahiro; Maejima, Hideo; and Masuda, Ikuro, 4,853,560, Cl. 307-296.100.

Iwamura, Masahiro; Masuda, Ikuro; and Uchida, Hideaki, 4,860,148, Cl. 361-58.000.

Iwasawa, Kyoko; and Tanaka, Yoshikazu, 4,821,181, Cl. 364-200.000.

Iwasawa, Kyoko; and Tanaka, Yoshikazu, 4,833,606, Cl. 364-300.000.

Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.

Iyoda, Hiroumi; and Nakazawa, Hayashi, 4,820,245, Cl. 474-140.000.

Izawa, Tetsurou; Miyazawa, Toshio; Nishizawa, Shigeki; Takemoto, Iwao; and Yasuda, Kouzou, 4,870,493, Cl. 358-213.190.

Izumi, Eiichi; Iwamoto, Hiroshi; Mitani, Eisuke; and Shichi, Hiroyasu, 4,851,673, Cl. 250-309.000.

Izumida, Yukihiro; Shirai, Shoji; Komoro, Hidemasa; Majima, Kazuo; and Yamaguchi, Akio, 4,833,364, Cl. 313-414.000.

Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Masuo; Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Nobuo, 4,868,853, Cl. 375-111.000.

Joonishi, Hirofumi; and Yajima, Akio, 4,829,456, Cl. 364-522.000.

Kaga, Toru; Kimura, Shinichiro; Kure, Tokuo; Kawamoto, Yoshifumi; and Sunami, Hideo, 4,873,203, Cl. 437-67.000.

Kagimasa, Toyohiko; Takahashi, Kikuo; Ono, Yoshie; and Yoshizumi, Seiichi, 4,851,989, Cl. 364-200.000.

Kagimasa, Toyohiko; Matsuda, Yoshiki; Takahashi, Kikuo; and Yoshizumi, Seiichi, 4,868,740, Cl. 364-200.000.

Kagohata, Tsuneo, 4,829,884, Cl. 98-2.010.

Kakehi, Yutaka; Nakazato, Norio; Fukushima, Yoshimasa; Shibata, Fumio; Tsubone, Tsunehiko; and Kanai, Norio, 4,824,309, Cl. 414-217.000.

Kakesu, Takateru; and Oomori, Hideo, 4,825,122, Cl. 313-417.000.

Kaku, Nobuyuki; Masuda, Kenmei; and Tsubono, Isamu, 4,814,910, Cl. 360-85.000.

Kaku, Nobuyuki; Ogiro, Kenji; Osawa, Atsuo; Sasaki, Takashi; and Takita, Kouhei, 4,862,300, Cl. 360-85.000.

Kaku, Toshimitsu; Shigematsu, Kazuo; Tsunoda, Yoshito; and Maeda, Takeshi, 4,807,210, Cl. 369-44.000.

Kaku, Toshimitsu; and Shigematsu, Kazuo, 4,819,242, Cl. 372-38.000.

Kaku, Toshimitsu; Maeda, Takeshi; Nakamura, Shigeru; Ito, Masaru; Shigematsu, Kazuo; and Tsunoda, Yoshito, 4,835,756, Cl. 369-44.000.
Kaku, Toshimitsu; Tsunoda, Yoshito; Maeda, Takeshi; and Nakamura, Shigeru, 4,855,991, Cl. 369-275.000.
Kaku, Toshimitsu; Tsunoda, Yoshito; and Shigematsu, Kazuo, 4,879,703, Cl. 369-13.000.
Kakumoto, Shigeru; Sumi, Tatsuo; and Kurisu, Tetsuo, 4,841,443, Cl. 364-413.010.
Kamada, Eiki; Shintani, Yooichi; Shonai, Tohru; and Takeuchi, Shigeo, 4,831,515, Cl. 364-200.000.
Kamahori, Masao; Watanabe, Yoshio; Miura, Junkichi; Taki, Mamoru; and Miyagi, Hiroyuki, 4,823,168, Cl. 356-246.000.
Kambara, Hideki; and Ito, Yoshitoshi, 4,832,815, Cl. 204-299.00R.
Kambara, Hideki; and Nishikawa, Tetsuo, 4,879,012, Cl. 204-157.150.
Kamejima, Kohji; Nakano, Yoshiyuki; Fujie, Masakatsu; Iwamoto, Taro; and Yamamoto, Hiroshi, 4,799,267, Cl. 382-1.000.
Kametani, Masatsugu; Sugiyama, Kengo; Kogawa, Takashi; and Hanada, Takeshi, 4,803,613, Cl. 364-132.000.
Kametani, Masatsugu, 4,870,608, Cl. 364-748.000.
Kamifuji, Hiroshi; Tanabe, Yoshiyuki; and Morita, Kiyomi, 4,873,960, Cl. 123-480.000.
Kamisada, Toshimasa; and Saito, Akira, 4,841,509, Cl. 369-46.000.
Kamisaka, Tadayuki; Yagi, Kazuo; Takahashi, Yasufumi; and Nakamura, Shigeki, 4,843,352, Cl. 332-22.000.
Kamo, Yoshihisa, 4,807,074, Cl. 360-113.000.
Kamo, Yoshihisa; and Kitada, Masahiro, 4,816,948, Cl. 360-113.000.
Kamo, Yoshihisa; and Momata, Kazuhiro, 4,821,012, Cl. 338-32.00R.
Kan, Tsuneo; Nakamura, Yozo; and Ishii, Mieko, 4,808,077, Cl. 417-2.000.
Kanai, Tsuneyuki; and Miyoshi, Tadahiko, 4,806,510, Cl. 501-97.000.
Kanamaru, Hisanobu; and Sugaya, Yosimi, 4,829,950, Cl. 123-90.510.
Kanamaru, Hisanobu; and Gunji, Kenichi, 4,884,952, Cl. 417-222.000.
Kanazawa, Yasunori; Nakamori, Yoshiyuki; Kuwa, Tadahiro; Fujimoto, Nobuyuki; and Abe, Shinichi, 4,811,151, Cl. 360-133.000.
Kaneda, Tokuya; Saito, Akira; Watanabe, Masateru; Osumi, Tomoji; and Suzuki, Nobuo, 4,807,212, Cl. 369-44.000.
Kaneko, Sigeru; and Kiriu, Yoshio, 4,821,172, Cl. 364-200.000.
Kano, Mitsunari, 4,808,802, Cl. 235-380.000.
Kano, Mitsunari; Konishi, Yoshiharu; and Matsuda, Toshihiko, 4,872,000, Cl. 340-706.000.
Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umetani, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, 4,806,757, Cl. 250-327.200.
Kasai, Masuo; Maeda, Takeshi; Shigematsu, Kazuo; Kaku, Toshimitsu; and Takasago, Masahiro, 4,866,687, Cl. 369-32.000.
Kasai, Syozo, 4,809,559, Cl. 73-861.120.
Katagiri, Junichi; Nagai, Akira; Tawara, Keiko; Takahashi, Akio; Wajima, Motoyo; Narahara, Toshikazu; and Hiraga, Ryo, 4,886,858, Cl. 525-301.000.
Kataoka, Keiji; Maeda, Takeshi; and Tsunoda, Yoshito, 4,802,153, Cl. 369-45.000.
Kataoka, Keiji, 4,840,447, Cl. 350-96.140.
Kataoka, Keiji; Kurosaki, Toshiei; Yonezawa, Seiji; and Katagiri, Soichi, 4,857,744, Cl. 250-548.000.
Katayama, Yoshifumi; Shiraki, Yasuhiro; and Murayama, Yoshimasa, 4,796,068, Cl. 357-4.000.
Kato, Makoto; Homma, Koichi; Komura, Fuminobu; and Furuya, Toshihiro, 4,803,358, Cl. 250-310.000.
Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, 4,835,385, Cl. 250-310.000.
Kato, Takeshi; Mizuishi, Kenichi; and Chiba, Katuaki, 4,812,002, Cl. 350-96.180.
Kato, Yasuo; Ochiai, Isao; Watanabe, Yoshio; and Murayama, Seiichi, 4,841,556, Cl. 37[illegible]-119.000.
Kato, Yoshiaki, 4,874,944, Cl. 250-288.000.
Kato, Yoshiaki, 4,888,482, Cl. 250-281.000.
Katoh, Seiji, 4,802,993, Cl. 210-725.000.
Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirahata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, 4,853,765, Cl. 358-11.000.
Katsura, Koyo; Maejima, Hideo; and Kajiwara, Hisashi, 4,862,150, Cl. 340-703.000.
Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,838,633, Cl. 350-96.110.
Katsuyama, Toshio; Matsumura, Hiroyoshi; Inoue, Hiroaki; Fukuzawa, Tadashi; and Chinone, Naoki, 4,861,130, Cl. 350-96.140.
Katto, Hisao; Sugiura, June; Horino, Nozomi; Endo, Akira; Takeuchi, Yoshiharu; and Arakawa, Yuji, 4,830,977, Cl. 437-52.000.
Kawaguchi, Yasutsugu; Fuji, Kiyoshi; Mitsuta, Takeshi; and Nagasawa, Kiyoshi, 4,810,943, Cl. 318-434.000.
Kawahata, Sigeyuki; and Sugawara, Yoshitaka, 4,837,458, Cl. 307-279.000.
Kawai, Rie; Goto, Kanzen; and Morimoto, Kunio, 4,825,051, Cl. 235-379.000.
Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihisa; Kuroda, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, 4,819,054, Cl. 357-49.000.
Kawamata, Yoshio, 4,868,553, Cl. 340-731.000.
Kawamura, Hideo; Tamai, Katsuyuki; Saito, Shigeki; and Yamanaka, Toshihiro, 4,833,887, Cl. 60-608.000.
Kawanabe, Takao; Inoue, Morio; and Hongo, Mikio, 4,795,720, Cl. 437-52.000.
Kawasaki, Yoshinao; Kawahara, Hironobu; Kakehi, Yutaka; Hirobe, Kado; and Kudo, Katsuyoshi, 4,795,529, Cl. 156-643.000.
Kawashima, Kazuhiro; Komoda, Norihisa; Harada, Shunichi; Mitsumori, Sadamichi; and Taniguchi, Kouichi, 4,839,803, Cl. 364-403.000.
Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
Kawashima, Kenichi; Suginuma, Atsushi; Takahashi, Yukio; Tojo, Kenji; and Takao, Kunihiko, 4,867,649, Cl. 417-222.00S.
Kawashima, Masatoshi; Takechi, Makoto; and Odani, Hiroshi, 4,862,068, Cl. 324-73.00R.
Kawasumi, Ken-ichi; and Inada, Akio, 4,842,828, Cl. 422-186.300.
Kawauchi, Masataka; Sato, Mitsuyoshi; Innami, Tamio; and Katoh, Takeshi, 4,820,909, Cl. 235-379.000.
Kazama, Saburo; and Tamura, Akira, 4,875,110, Cl. 360-64.000.
Kembo, Nobumitsu, 4,879,666, Cl. 364-519.000.
Kembo, Yukio; Ikeda, Minoru; and Taniguchi, Motoya, 4,803,712, Cl. 378-034.000.
Kembo, Yukio; Komeyama, Yoshihiro; Ikeda, Minoru; and Inagaki, Akira, 4,825,453, Cl. 378-34.000.
Kida, Hiroyuki; and Maejima, Hideo, 4,835,679, Cl. 364-200.000.
Kikuchi, Sumio, 4,843,545, Cl. 364-300.000.
Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.
Kimura, Hiroyuki; Kobori, Yasunori; Hamma, Kentaro; Omata, Takashi; and Oki, Katsunori, 4,855,840, Cl. 358-296.000.
Kimura, Koichi; Ogura, Toshihiko; Aotsu, Hiroaki; Ikegami, Mitsuru; and Kawabara, Tadashi, 4,868,781, Cl. 364-900.000.
Kimura, Kouji; Mitsuyuki, Hiroshi; Yamamoto, Akihiko; and Satoh, Yutaka, 4,850,726, Cl. 400-279.000.
Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.
Kimura, Tomoaki, 4,846,254, Cl. 164-476.000.
Kinoshita, Mitsuo; Ito, Tetsuo; Mikawa, Hiroji; and Chino, Koichi, 4,872,948, Cl. 159-6.200.
Kinoshita, Taizo; Tanaka, Satoshi; Tanaka, Hirotoshi; Kotera, Nobuo; and Nagata, Minoru, 4,881,044, Cl. 330-253.000.
Kishi, Atsuo; and Mizukami, Masao, 4,795,325, Cl. 418-87.000.
Kitada, Masahiro; Tanabe, Hideo; Shimizu, Noboru; Kamo, Yoshihisa; Nakamura, Hitoshi; and Takeura, Tooru, 4,814,919, Cl. 360-113.000.
Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo; Takeura, Tooru; and Momata, Kazuhiro, 4,841,399, Cl. 360-113.000.
Kitaguchi, Hiroshi; Izumi, Shigeru; and Suzuki, Satoshi, 4,879,466, Cl. 250-370.140.
Kitamori, Takehiko; Fujimori, Haruo; and Suzuki, Kazumichi, 4,808,828, Cl. 250-458.100.
Kitsukawa, Goro; Watanabe, Takao; Hori, Ryoichi; and Itoh, Kiyoo, 4,853,899, Cl. 365-207.000.
Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, 4,809,206, Cl. 364-724.010.
Kobayashi, Hideaki, 4,805,409, Cl. 60-597.000.
Kobayashi, Hideaki; and Obata, Takeshi, 4,833,873, Cl. 57-100.000.
Kobayashi, Hiroyuki, 4,851,674, Cl. 250-311.000.
Kobayashi, Hiroyuki; and Kamimura, Shoji, 4,866,273, Cl. 250-311.000.
Kobayashi, Jun, 4,796,108, Cl. 360-37.100.
Kobayashi, Jyunichi, 4,877,936, Cl. 219-85.220.
Kobayashi, Masaharu; and Arai, Takao, 4,823,207, Cl. 360-32.000.
Kobayashi, Naoya; Ohnishi, Makoto; and Kokuryo, Yoshiro, 4,823,346, Cl. 371-43.000.
Kobayashi, Nobuyoshi; Hara, Nobuo; Iwata, Seiichi; and Yamamoto, Naoki, 4,807,015, Cl. 357-67.000.
Kobayashi, Shiro; Itoh, Masahiko; and Minato, Akira, 4,821,148, Cl. 361-392.000.
Kobayashi, Sumio; Tokashiki, Mutsuo; Tomita, Hiroyuki; Okawa, Tadashi; and Sugai, Hiroshi, 4,808,933, Cl. 324-163.000.
Kobayashi, Toshio; Otomo, Shigekazu; Nakatani, Ryoichi; and Kumasaka, Noriyuki, 4,858,049, Cl. 360-126.000.
Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, 4,803,138, Cl. 429-194.000.
Kobori, Shigeyuki; Yamada, Kazuji; Kobayashi, Ryoichi; Miyazaki, Atsushi; and Suzuki, Seikou, 4,802,952, Cl. 156-634.000.
Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.
Kodaira, Mitsuhiko; and Shiraga, Tokio, 4,835,734, Cl. 364-900.000.
Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunchiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.

Koibuchi, Shigeru; Isobe, Asao; Makino, Daisuke; and Takeda, Yutaka, 4,801,519, Cl. 430-331.000.
Koike, Atsuyoshi; Ikeda, Shuji; and Nagasawa, Kouichi, 4,803,534, Cl. 357-71.000.
Koike, Masahiro; Takahashi, Fuminobu; Ogura, Satoshi; and Yamada, Izumi, 4,831,598, Cl. 367-7.000.
Koizumi, Minoru; Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Kasashima, Hirokazu; and Nakai, Kozo, 4,888,683, Cl. 364-200.000.
Koizumi, Mitsuyoshi; and Ohshima, Yoshimasa, 4,814,596, Cl. 250-205.000.
Koizumi, Sachio; and Ichihara, Terutoshi, 4,844,942, Cl. 427-111.000.
Kojima, Keiji; Torii, Shunichi; and Sakata, Akiharu, 4,885,678, Cl. 364-200.000.
Kokabu, Misao; Nakamura, Hitoshi; Fujimura, Takashi; and Hayashi, Nobuyasu, 4,841,315, Cl. 354-1.000.
Komatsubara, Kiichi; Tanuma, Seiichi; Okabe, Katsuya; and Katsuyama, Toshio, 4,887,273, Cl. 372-41.000.
Kondo, Kazuhiro; Suzuki, Toshiro; and Miyamoto, Takanori, 4,809,271, Cl. 370-110.100.
Kondo, Shinichi; Katakura, Kageyoshi; Ogawa, Toshio; Umemura, Shin'ichiro; and Ikeda, Hiroshi, 4,841,491, Cl. 367-103.000.
Kondoh, Eiki; Morinaga, Shigeki; Yaginuma, Takao; and Asai, Takeshi, 4,888,721, Cl. 364-736.000.
Kondow, Masahiko; Satoh, Shin; Minagawa, Shigekazu; Ohishi, Akio; and Kajimura, Takashi, 4,841,531, Cl. 372-43.000.
Konno, Chisato; Umetani, Yukio; Hirayama, Hiroyuki; and Ohta, Tadashi, 4,819,161, Cl. 364-300.000.
Kosa, Yasunobu; and Komori, Kazuhiro, 4,818,718, Cl. 437-52.000.
Koshi, Hiroyuki, 4,798,463, Cl. 356-318.000.
Kosuge, Hiroshi; and Kiriu, Yoshio, 4,888,774, Cl. 371-38.100.
Kotera, Nobuo; Yamashita, Kiichi; Kinoshita, Taizo; Tanaka, Hirotoshi; Tanaka, Satoshi; and Nagata, Minoru, 4,857,769, Cl. 307-450.000.
Kouda, Toyomasa, 4,803,541, Cl. 357-68.000.
Kouda, Toyomasa, 4,855,257, Cl. 437-194.000.
Koyama, Kazuhito; Sugita, Shigehisa; Sakaguchi, Seiichiro; Seiki, Nobuhiro; and Hanzawa, Asao, 4,861,348, Cl. 48-94.000.
Kubo, Kiichirou; Kanazaki, Mikio; and Toma, Shinobu, 4,826,297, Cl. 350-339.00R.
Kubota, Kazumi; Kobayashi, Kazushi; and Ogura, Toshihiko, 4,872,131, Cl. 364-736.000.
Kubota, Taei; and Nakano, Tetsuo 4,831,593, Cl. 365-203.000.
Kubozoe, Morioki; and Sato, Hisasi, 4,806,767, Cl. 250-396.0ML.
Kumada, Masaharu; and Misumi, Akira, 4,872,924, Cl. 148-12.100.
Kumagai, Teruo; Horiba, Tatsuo; Kamo, Tomoichi; Takeuchi, Seiji; Iwamoto, Kazuo; Kitami, Kunko; and Tamura, Kohki, 4,810,597, Cl. 429-22.000.
Kumahora, Hi[illegible]; Hashimoto, Tsuneyuki; and Nishimura, Eiichi, 4,803,356, C[illegible]-306.000.
Kumasaka, Niroy[illegible]; Otomo, Shigekazu; Yamashita, Takeo; Saito, Noritoshi; Saitoh, Yokuo; and Sakurai, Hiroshi, 4,851,942, Cl. 360-103.000.
Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; Zama, Hideo; and Morikawa, Juichi, 4,803,338, Cl. 360-122.000.
Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; and Saito, Noritoshi, 4,847,715, Cl. 360-122.000.
Kumasaka, Takao; Mitsuya, Teruaki; Komatsu, Isamu; Fujiwara, Shigetaka; and Shimazaki, Yuzuru, 4,862,828, Cl. 118-658.000.
Kumazawa, Tetsuo; Shimaoka, Makoto; Fukuda, Kazuyuki; and Adachi, Eiichi, 4,880,290, Cl. 350-96.200.
Kurakazu, Keiichi; and Baba, Shiro, 4,825,355, Cl. 364-200.000.
Kurimura, Masaaki; Yabe, Ryohei; and Shindo, Isao, 4,807,984, Cl. 350-529.000.
Kuriyama, Kazunori; Shintani, Yooichi; Yamaoka, Akira; Shonai, Tohru; Kamada, Eiki; and Inoue, Kiyoshi, 4,858,105, Cl. 364-200.000.
Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, 4,814,838, Cl. 357-22.000.
Kuroda, Takao; Watanabe, Akiyoshi; Tsuji, Shinji; Ohishi, Akio; and Matsumura, Hiroyoshi 4,819,036, Cl. 357-4.000.
Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, 4,835,581, Cl. 357-16.000.
Kuroiwa, Hiroshi; Oyama, Yoshishige; and Nogi, Toshiharu, 4,887,574, Cl. 123-425.000.
Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.
Kurokawa, Naohiro; and Abe, Ryoichi, 4,879,678, Cl. 364-900.000.
Kurosawa, Hiroshi; and Ochiai, Izumi, 4,860,021, Cl. 343-840.000.
Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
Kushida, Keiko; Takeuchi, Hiroshi; Kobayashi, Toshio; Takagi, Kazumasa; and Susa, Kenzo, 4,803,392, Cl. 310-311.000.
Kuwabara, Kouji; Yano, Makoto; and Umeda, Takao, 4,818,835, Cl. 219-121.600.
Kuwabara, Takao; Bando, Akira; Haraguchi, Eiji; and Nakagawa, Hiroto, 4,823,018, Cl. 290-7.000.
Kuwabara, Takao; and Takahashi, Kazuo, 4,874,999, Cl. 318-610.000.
Kuwahara, Heikichi; Takahashi, Kenji; Yanagida, Takehiko; Nakayama, Wataru; Sugimoto, Shigeo; and Oizumi, Kiyoshi, 4,794,775, Cl. 72-78.000.
Kuwahara, Hiroshi; Shibukawa, Masaru; and Izumita, Yuji, 4,835,773, Cl. 371-8.000.
Kuzunuki, Soshiro; Shojima, Hiroshi; Miura, Masaki; Mori, Junko; and Mifune, Toshimi, 4,860,372, Cl. 382-13.000.
Maeda, Akira; Sano, Koichi; Yokoyama, Tetsuo; Koizumi, Hideaki; and Mizuno, Hirotaka, 4,875,012, Cl. 324-309.000.
Maekawa, Hitoshi, 4,814,873, Cl. 358-140.000.
Maezawa, Hiruyuki; Katumata, Hidetosi; and Tomioka, Mikio, 4,872,167, Cl. 371-19.000.
Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.
Manaka, Toshio; Teragakiuchi, Akira; Sakamoto, Masahide; Nagano, Masami; Fujishita, Masakatsu; and Miyake, Junji, 4,862,855, Cl. 123-489.000.
Mano, Hiroyuki; Tachiuchi, Tsuguji; Kinugawa, Kiyoshige; and Tanaka, Shinji, 4,855,728, Cl. 340-805.000.
Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.
Marumoto, Katsuji; Ohmae, Tsutomu; Koterazawa, Toshiyuki; and Tobari, Kazuaki, 4,869,334, Cl. 180-79.100.
Maruyama, Masanori; Oku, Kentaro; Fukushima, Masakazu; Kato, Shinichi; and Kurashige, Mitsuhiro, 4,866,337, Cl. 313-432.000.
Maruyama, Youji; and Suzuki, Ryo, 4,831,584, Cl. 365-29.000.
Maruyama, Youji; Ikeda, Tadashi; Takeuchi, Teruaki; and Suzuki, Ryo, 4,845,671, Cl. 365-87.000.
Maruyama, Youzi; Ikeda, Tadashi; and Suzuki, Ryo, 4,884,236, Cl. 365-29.000.
Mashino, Keiichi; and Takei, Shigekazu, 4,831,322, Cl. 322-28.000.
Masimo, Tamon; Kanazawa, Hiroshi; Masuzaki, Hidefumi; and Ito, Satoshi, 4,831,368, Cl. 340-720.000.
Mastuno, Hiromistu; Murayama, Seiichi; Ono, Tetsuo; and Watanabe, Yoshio, 4,879,493, Cl. 313-641.000.
Masuda, Ikuro; Iwamura, Masahiro; and Nishihara, Motohisa, 4,808,850, Cl. 307-446.000.
Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,829,201, Cl 307-446.000.
Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,890,017, Cl. 307-446.000.
Masuda, Masachika; and Suzuki, Akira, 4,862,246, Cl. 357-70.000.
Masui, Shiochi; Tano, Shunichi; Sakaguchi, Seiji; and Funabashi, Motohisa, 4,868,763, Cl. 364-513.000.
Matoba, Hideaki; Mohri, Shunji; and Ishikawa, Masaru, 4,831,548, Cl. 364-513.000.
Matsubara, Kiyoshi; Yamaura, Tadashi; Kihara, Toshimasa; and Kawashima, Norishige, 4,860,087, Cl. 357-68.000.
Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.
Matsuda, Toshiharu; and Okumoto, Yoshinao, 4,870,833, Cl. 62-134.000.
Matsui, Shigeru; Onodera, Takashi; Sekihara, Kensuke; Shiono, Hidemi; and Kohno, Hideki, 4,797,616, Cl. 324-309.000.
Matsui, Takayuki; Okuyama, Toshiaki; Sukegawa, Takashi; and Takahashi, Junichi, 4,808,903, Cl. 318-800.000.
Matsui, Takayuki; Okuyama, Toshiaki; Matsutake, Mitsugu; Takahashi, Junichi; and Ito, Masami, 4,884,184, Cl. 363-46.000.
Matsumoto, Hidekazu; Bandoh, Tadaaki; Hiraoka, Ryosei; Morioka, Takayuki; and Miyazaki, Yoshihiro, 4,807,113, Cl. 364-200.000.
Matsumoto, Hiroshi, 4,868,754, Cl. 364-431.010.
Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.
Matsumoto, Tetsuro, 4,875,192, Cl. 365-193.000.
Matsumoto, Tetsuro, 4,887,237, Cl. 365-182.000.
Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Moriuchi, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.
Matsumura, Hiroyoshi; Katsuyama, Toshio; and Suganuma, Tsuneo, 4,828,592, Cl. 65-3.110.
Matsuno, Hiromitsu; Ono, Tetsuo; and Murayama, Seiichi, 4,803,401, Cl. 313-489.000.
Matsushita, Osami; Takagi, Michiyuki; Yoneyama, Mitsuho; Sugaya, Toyomi; and Saito, Ikuhiro, 4,841,212, Cl. 318-607.000.
Matsushita, Toshio; Amano, Hideaki; Yamaura, Satoru; Nakamura, Shigeo; and Nakada, Yasusuke, 4,855,853, Cl. 360-106.000.
Matsuyama, Haruhiko; Shoji, Fusaji; Kuwatsuka, Shunichiro; and Sugimoto, Kenji, 4,824,731, Cl. 428-473.500.
Matsuyama, Yukio; and Ichinose, Toshiaki, 4,860,371, Cl. 382-8.000.
Matuura, Nobuhiko; Usijima, Kunio; and Goto, Tetsuo, 4,795,889, Cl. 235-379.000.
Mifune, Toshimi; Morooka, Yasuo; Shojima, Hiroshi; Mori, Junko; and Fukunaga, Yasushi, 4,878,249, Cl. 382-13.000.

Migita, Masahito; Kanehisa, Osam; Shiiki, Masatoshi; and Yamamoto, Hajime, 4,862,033, Cl. 313-502.000.
Miki, Masayuki; and Suzuki, Seikou, 4,803,866, Cl. 73-23.000.
Mikoshiba, Shigeo; Shinada, Shinichi; and Matsumoto, Takahiro, 4,839,637, Cl. 340-775.000.
Mimura, Itaru; Sato, Kazuhiro; Akiyama, Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, 4,825,291, Cl. 358-213.190.
Minato, Osamu; Masuhara, Toshiaki; Ishibashi, Koichiro; Hanamura, Shoji; Honjyo, Shigeru; and Moriwaki, Nobuyuki, 4,841,486, Cl. 365-207.000.
Mishima, Tadaaki; Kanasaki, Morio; Takatoo, Masao; Fujiwara, Kazunori; and Kobayashi, Yoshiki, 4,823,194, Cl. 358-282.000.
Mitsumoto, Kinya; Nakazato, Shinji; Yazawa, Yoshiaki; Odaka, Masanori; Uchida, Hideaki; and Miyakawa, Nobuaki, 4,829,479, Cl. 365-189.090.
Mitsuta, Toru; Wada, Yutaka; and Kobayashi, Yasuhiro, 4,831,546, Cl. 364-512.000.
Mitsuya, Teruaki; Kumasaka, Takao; Nishino, Shinichi; Yamada, Masato; and Fujiwara, Shigetaka, 4,821,052, Cl. 355-14.0FU.
Miura, Yuuji; and Baba, Noboru, 4,846,541, Cl. 350-96.120.
Miwa, Hideo; Tsuruoka, Kazuhiro; Yamauchi, Koudou; Endoh, Hitoshi; and Odaka, Masanori, 4,879,681, Cl. 365-189.010.
Miyajima, Goh; and Takahashi, Takao, 4,816,796, Cl. 335-306.000.
Miyake, Norihisa; and Sumita, Masaki, 4,887,222, Cl. 364-513.000.
Miyake, Ryo; Ohki, Hiroshi; and Yamazaki, Isao, 4,863,264, Cl. 356-39.000.
Miyamoto, Keiji; Nakamura, Atsushi; Satoh, Tsuneo; Kojima, Kazuo; and Morita, Masayuki. 4,822,989, Cl. 235-492.000.
Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, 4,862,440, Cl. 369-45.000.
Miyamoto, Takanori; Nakabayashi, Sumie; Suzuki, Yoshiro; Kondo, Kazuhiro; and Niina, Shinichi, 4,864,608, Cl. 379-409.000.
Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.
Miyaoka, Shinichiro; Sasaki, Ryoichi; and Shiraishi, Takayoshi, 4,831,659, Cl. 382-56.000.
Miyashita, Tsune; and Yasuda, Makoto, 4,871,947, Cl. 315-344.000.
Miyatake, Takafumi; Matsushima, Hitoshi; Ohtani, Shigeko; and Higashino, Junichi, 4,803,477, Cl. 340-747.000.
Miyazaki, Atsushi; and Kobayashi, Ryoichi, 4,813,272, Cl. 73-708.000.
Miyazaki, Hideki; Onda, Kenichi; and Matsuda, Yasuo, 4,841,427, Cl. 363-62.000.
Miyazaki, Hideki; Onda, Kenichi; and Matsuda, Yasuo, 4,890,009, Cl. 307-270.000.
Miyazaki, Hiroshi; Homma, Yoshio; and Mukai, Kiichiro, 4,842,891, Cl. 427-35.000.
Miyazaki, Masahiro, 4,825,121, Cl. 313-414.000.
Miyazawa, Akiyasu; Harada, Mineo; Tajima, Eiji; and Abe, Takao, 4,802,776, Cl. 400-124.000.
Miyazawa, Kazuyuki; Shimohigashi, Katsuhiro; Etoh, Jun; and Kimura, Katsutaka, 4,811,299, Cl. 365-201.000.
Miyazawa, Shyoichi; Kawamura, Satoshi; Tohyama, Shoichiro; Ishibashi, Akira; Kato, Kazutoshi; and Ideda, Junichi, 4,809,091, Cl. 360-48.000.
Mizuhara, Noboru; Hoshi, Tohru; Kashio, Jiro; and Morita, Takashi, 4,837,816, Cl. 379-221.000.
Mizuishi, Kenichi; Tokuda, Masahide; and Chiba, Katuaki, 4,819,857, Cl. 228-121.000.
Mizuno, Hiroko; Kikuchi, Makoto; Tamata, Shin; Izumida, Tatsuo; and Baba, Tsutomu, 4,804,498, Cl. 252-628.000.
Mochizuki, Akira; Kawauchi, Masataka; Takezawa, Kenichiro; Matsuno, Jyunichi; Tanaka, Kihachiro; and Yoshida, Shinobu, 4,870,258, Cl. 235-379.000.
Mochizuki, Jun; and Asanoh, Toshio, 4,814,858, Cl. 358-10.000.
Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,841.137, Cl. 250-236.000.
Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,882,483, Cl. 250-236.000.
Momata, Kazuhiro; Chida, Kousaku; Takeura, Tooru; and Tsukada, Yukihisa, 4,860,140, Cl. 360-127.000.
Momose, Kaoru; Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, 4,817,178, Cl. 382-46.000.
Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.
Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Koizumi, Minoru; Kasajima, Hirokazu; and Nakai, Kozou, 4,803,683, Cl. 371-19.000.
Mori, Kinji; Miyamoto, Shoji; and Shiraha, Takeshi, 4,872,165, Cl. 371-11.200.
Moribe, Yoshihiro; Takahashi, Mikio; and Beppu, Osamu, 4,825,313, Cl. 360-77.020.
Morihara, Atsushi; Miyamoto, Tomohiko; Koyama, Shuntaro; Nogita, Shunsuke; and Hishinuma, Yukio, 4,806,131, Cl. 48-210.000.
Morimoto, Shigeki; and Koyama, Toshiaki, 4,849,962, Cl. 370-29.000.
Morinaga, Shigeki, 4,809,165, Cl. 364-200.000.
Morinaga, Shigeki; and Watabe, Mitsuru, 4,888,685, Cl. 364-200.000.
Morioka, Makoto; Mishima, Tomoyoshi; Hiruma, Kenji; Katayama, Yoshifumi; and Shiraki, Yasuhiro, 4,835,583, Cl. 357-4.000.
Morita, Kiyomi; Kiyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,570, Cl. 123-472.000.
Morita, Kiyomi; Miyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,571, Cl. 123-492.000.
Morita, Takashi; Hirai, Koji; and Kusaba, Akira, 4,823,342, Cl. 370-109.000.
Morita, Tatsuo; Hidaka, Terufumi; and Kashimura, Yuichi, 4,819,603, Cl. 123-425.000.
Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.
Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshihiko; Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ichiro; Kaga, Toru; and Kure, Tokuo, 4,882,289, Cl. 437-52.000.
Moriyama, Shigeo; Kurosaki, Toshiei; Terasawa, Tsuneo; Okazaki, Shinji; and Kawamura, Yoshio, 4,798,470, Cl. 356-401.000.
Motoike, Jun; Hashizume, Akihide; and Suzuki, Ryuichi, 4,850,024, Cl. 382-6.000.
Munakata, Chusuke; and Itoh, Yoshitoshi, 4,827,143, Cl. 250-574.000.
Murakami, Toshio; Azumi, Takashi; Sakurai, Hiroshi; Maruyama, Takesuke; and Todaka, Yoshihiro, 4,842,387, Cl. 350-429.000.
Murakami, Yoshiki; Yamamoto, Etsuji; Yabusaki, Masao; and Kohno, Hideki, 4,875,013, Cl. 324-318.000.
Murakoshi, Takeo; Yoshii, Masaki; Tohyama, Shigeo; Minakawa, Sadao; and Kaneda, Aizo, 4,810,089, Cl. 356-35.000.
Murakoshi, Takeo; and Minakawa, Sadao, 4,810,872, Cl. 250-225.000.
Muranaka, Masaya; Matsuura, Hiromi; Kenmizaki, Kanehide; and Okayama, Osamu, 4,849,939, Cl. 365-200.000.
Murase, Michio; Kataoka, Yoshiyuki; Inoue, Hisamichi; Naich, Masanori; and Sugisaki, Toshihiko, 4,859,401, Cl. 376-282.000.
Murata, Toshinori; Arai, Ikuya; Kurita, Toshiyuki; and Nakagawa, Isao, 4,860,090, Cl. 358-21.00R.
Murayama, Akira; Uchikawa, Naoshi; Kuroshima, Ryoichi; Kuno, Hiroaki; Arata, Tetsuya; and Shiibayashi, Masao, 4,815,195, Cl. 418-15.000.
Nagai, Keiichi; Tokunaga, Daizo; Imai, Kazumichi; Yasuda, Kenji; Takahashi, Satoshi; and Kobayashi, Teruaki, 4,824,778, Cl. 435-7.000.
Nagai, Kenji; Yamashita, Masayuki; Kanagawa, Masafumi; Sato, Mitsumasa; and Ito, Tsuneo, 4,833,474, Cl. 341-166.000.
Nagai, Kyuichiro; Kaku, Nobuyuki; and Ogiro, Kenji, 4,837,646, Cl. 360-85.000.
Nagai, Yasuo; Shimizu, Isao; Kimura, Masatoshi; Kaneko, Kenji; Okabe, Takeaki; and Sakamoto, Koozoo, 4,885,628, Cl. 357-68.000.
Nagano, Masami; Atago, Takeshi; and Manaka, Toshio, 4,799,469, Cl. 123-418.000.
Nagano, Masami; and Atago, Takeshi, 4,852,537, Cl. 123-419.000.
Nagano, Yoosuke; Sekizawa, Sadao; and Seki, Toshio, 4,853,632, Cl. 324-208.000.
Nagato, Yuichiro; Hujii, Hiroshi; Matsumoto, Osamu; and Saito, Katsuhiko, 4,806,839, Cl. 318-798.000.
Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yoshio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.
Nakagawa, Junichi; and Kuwamoto, Yoshitomo, 4,864,634, Cl. 455-76.000.
Nakagawa, Katsuhiro, 4,812,649, Cl. 250-296.000.
Nakagawa, Koji; Takagi, Takeo; Abe, Yoshiaki; and Sakai, Haruki, 4,877,370, Cl. 415-148.000.
Nakagawa, Norio; Takagi, Katsuaki; and Aoki, Hirokazu, 4,831,586, Cl. 365-49.000.
Nakagawa, Yaoko; and Ishii, Koichi, 4,890,220, Cl. 364-200.000.
Nakagawa, Yukio; Natsui, Ken-ichi; Ohshita, Youichi; Sato, Tadashi; Setoyama, Eiji; and Kamei, Mitsuhiro, 4,865,709, Cl. 204-192.120.
Nakagomi, Tamihito; Kando, Yasuhiko; and Hasegawa, Shinji, 4,815,825, Cl. 350-337.000.
Nakahata, Kozo; Hamada, Toshimitsu; Nakagawa, Yasu[illegible], and Nomoto, Mineo, 4,872,187, Cl. 378-4.000.
Nakai, Kozo; Hori, Shinji; Mori, Kinji; Kawano, Katsumi; Kawashima, Hirokazu; and Kawakami, Setsuo, 4,831,512, Cl. 364-200.000.
Nakajima, Tadakatsu; Nakayama, Wataru; Oohashi, Shigeo; Kuwabara, Heikichi; and Daikoku, Takahiro, 4,823,863, Cl. 165-80.400.
Nakamura, Hideo; and Sawase, Terumi, 4,821,240, Cl. 365-228.000.
Nakamura, Hitoshi; Sakano, Shinji; Inoue, Hiroaki; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,840,446, Cl. 350-96.130.
Nakamura, Ichiro; and Nara, Toshihiko, 4,830,146, Cl. 187-26.000.
Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
Nakamura, Koozoo; Tadauchi, Masaharu; and Hamada, Nagaharu, 4,809,215, Cl. 364-900.000.
Nakamura, Masahiro; Murata, Tomohiro; Komoda, Norihisa; Ken, Kazuo; Tsuchitani, Kenji; and Matsumoto, Kuniaki, 4,802,094, Cl. 364-468.000.

Nakamura, Shigeki; and Takahashi, Yasufumi, 4,856,027, Cl. 375-81.000.
Nakamura, Shigeru; and Tsunoda, Yoshito, 4,815,058, Cl. 369-45.000.
Nakamura, Shigeru; Machida, Sadatsugi; and Toda, Tsuyoshi, 4,873,678, Cl. 369-13.000.
Nakamura, Shin; and Kaji, Shinichi, 4,825,560, Cl. 34-133.000.
Nakamura, Shozo; Mathusima, Tokunori; and Tsuji, Kunio, 4,840,766, Cl. 376-378.000.
Nakamura, Tohru; Nakazato, Kazuo; Homma, Noriyuki; Sagara, Kazuhiko; Shiba, Takeo; Kure, Tokuo; and Hayashida, Tetsuya, 4,812,894, Cl. 357-55.000.
Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased, 4,860,086, Cl. 357-67.000.
Nakanishi, Keiichirou; and Yamada, Minoru, 4,870,477, Cl. 357-82.000.
Nakano, Hiraku, 4,797,849, Cl. 364-765.000.
Nakano, Hiraku; and Murayama, Hiroshi, 4,799,183, Cl. 364-760.000.
Nakano, Toshihiko; Hayashi, Toshihiro; Nogi, Kenroku; and Mori, Kiyomi 4,866,605, Cl. 364-200.000.
Nakano, Yukio; and Kanno, Tadayuki, 4,858,224, Cl. 370-16.000.
Nakao, Takeshi; and Akiba, Yutaka, 4,803,674, Cl. 369-13.000.
Nakata, Toshihiko; Oshida, Yoshitada; and Shiba, Masataka, 4,795,261, Cl. 356-401.000.
Nakatsuka, Shinichi; Chinone, Naoki; Uomi, Kazuhisa; Ono, Yuichi; and Kajimura, Takashi, 4,821,275, Cl. 372-45.000.
Nakatsuka, Shinichi; and Kajimura, Takashi, 4,872,175, Cl. 372-46.000.
Nakaya, Chitose; Takeuchi, Hiroshi; and Katakura, Kageyoshi, 4,801,835, Cl. 310-358.000.
Nakayama, Yoshiyuki; Yanagi, Kunihiro; and Mori, Kenjiro, 4,806,919, Cl. 340-721.000.
Nakayashiki, Susumu; Kashio, Jiro; and Harakawa, Takeshi, 4,815,069, Cl. 370-16.000.
Nakayashiki, Susumu; Kashio, Jiro; and Harakawa, Takeshi, 4,887,256, Cl. 370-16.000.
Nakazato, Kazuo; Nakamura, Tohru; Miyazaki, Takao; Natsuaki, Nobuyoshi; Ogirima, Masahiko; and Nagata, Minoru, 4,819,055, Cl. 357-59.000.
Nakazato, Kazuo; Nakamura, Tohru; Matsuda, Masatoshi; Miyazaki, Takao; Kure, Tokuo; Okabe, Takahiro; and Nagata, Minoru, 4,825,281, Cl. 357-59.000.
Nakazato, Shinji; Uchida, Hideaki; Tanba, Nobuo; Gotoo, Nobuyuki; Onozawa, Kazunori; and Hiraishi, Atsushi, 4,868,626, Cl. 357-42.000.
Nakazawa, Hayashi; Iyoda, Hiroumi; and Ueta, Makoto, 4,811,829, Cl. 198-326.000.
Nara, Toshihiko; Takahashi, Tastuhiko; Tanaka, Masakatsu; Maue, Yusho; Tanaka, Naoyuki; Isono, Masaaki; and Nakamura, Yozo, 4,846,309, Cl. 187-20.000.
Narizuka, Yasunori; Mori, Keiji; Yabushita, Akira; Kamei, Tsuneaki; and Morita, Mamoru, 4,806,725, Cl. 219-216.000.
Natori, Tatsuo; Shimaguchi, Takashi; Yamada, Toshihiro; and Yokoi, Kazuaki, 4,808,360, Cl. 264-221.000.
Natori, Tatsuo; Hioki, Susumu; Shimaguchi, Takashi; Yamada, Toshihiro; Watanabe, Akihide; and Kanekatsu, Kensuke, 4,812,278, Cl. 264-221.000.
Natori, Tatsuo; Shimaguchi, Takashi; Watanabe, Akihide; and Yamada, Toshihiro, 4,871,497, Cl. 264-86.000.
Natori, Tatsuo; Shimaguchi, Takashi; Watanabe, Akihide; and Yamada, Toshihiro, 4,883,621, Cl. 264-86.000.
Nejime, Yoshito; Hotta, Masao; Maio, Kenji; and Ono, Koichi, 4,866,444, Cl. 341-159.000.
Nihei, Hideki; Miyashita, Kunio; Saitoh, Kouichi; and Yamashita, Seizi, 4,857,786, Cl. 310-156.000.
Niida, Chiaki; Ito, Tomoo; Nishimiya, Torazo; Iseyama, Takashi; and Yamada, Koichiro, 4,823,750, Cl. 123-339.000.
Niiyama, Yasusi; and Sugahara, Kenshi, 4,795,707, Cl. 435-288.000.
Nikaido, Hideyuki; Takayuki, Naoi; Komori, Atsushi; and Nihei, Mitsuo, 4,852,383, Cl. 72-407.000.
Nishi, Masaaki; Yasunaga, Moritoshi; and Kamikawai, Ryotaro, 4,806,111, Cl. 439-109.000.
Nishida, Hiroshi; and Takahashi, Tsuyoshi, 4,814,916, Cl. 360-106.000.
Nishida, Tetsuya; Terao, Motoyasu: Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.
Nishida, Yoshie; Hata, Seiji; and Tsuji, Masao, 4,803,735, Cl. 382-8.000.
Nishijima, Kazuo; Miyazaki, Terunobu; and Sakou, Eisaburo, 4,806,929, Cl. 340-825.060.
Nishikawa, Atsuhiko; Miyazaki, Yoshihiro; Tanji, Masayuki; Takaya, Soichi; and Yamaguchi, Shinichiro, 4,841,439, Cl. 364-200.000.
Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru: and Matsuda, Shinpei, 4,879,192, Cl. 429-198.000.
Nishimura, Yuusaku; Ishida, Masahiko; and Haga, Ryoichi, 4,888,285, Cl. 435-176.000.
Nishimo, Toshikazu; Kawabe, Ushio; and Kominami, Shinya, 4,843,446, Cl. 357-30.000.
Nishio, Takanori, 4,868,743, Cl. 364-200.000.
Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.
Nishitani, Eisuke; Tsuzuku, Susumu; Nakatani, Mitsuo; Maehara, Masaaki; Horiuchi, Mitsuaki; and Mizukami, Koichiro, 4,830,891, Cl. 427-253.000.
Nishiya, Takushi, 4,825,393, Cl. 364-560.000.
Nishiyama, Tamotsu; Watanabe, Toshinori; Horie, Noboru; Furihata, Makoto; Kominami, Yasuo; and Mori, Fumihiko, 4,803,636, Cl. 364-491.000.
Noda, Tsutomu; Shirosugi, Takatoshi; Hotta, Nobutaka; and Okuda, Akihide, 4,882,725, Cl. 370-11.000.
Nogami, Taro; Nishitarumizu, Tsuyoshi; and Seki, Kiwao, 4,810,168, Cl. 417-2.000.
Nogami, Taro; Miwa, Tetsuyuki; and Takahasi, Kenitiro, 4,822,168, Cl. 356-319.000.
Nogi, Toshiharu; Yamauchi, Teruo; and Oyama, Yoshishige, 4,865,006, Cl. 123-590.000.
Noguchi, Minori; Otsubo, Toru; and Aiuchi, Susumu, 4,840,487, Cl. 356-355.000.
Noguchi, Yasuhiro; Yamada, Hitoshi; and Funyu, Yukio, 4,887,230, Cl. 364-560.000.
Nohmi, Makoto; and Kozu, Eiji, 4,801,855, Cl. 318-338.000.
Nomoto, Ikuya; and Kawabata, Kenji, 4,816,720, Cl. 315-94.000.
Nomura, Kunihiro; Machida, Tetsuo; Yamada, Kazunari; and Takekoshi, Toshio, 4,866,520, Cl. 358-140.000.
Nonaka, Naomichi; Nakane, Keiichi; Kuwabara, Tadashi; Koreeda, Hiroyuki; Suzuki, Kazunari; and Masuda, Kiyoshi, 4,829,468, Cl. 364-900.000.
Nonogaki, Saburo; Morishita, Hajime; Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nishizawa, Masahiro; and Miura, Kiyoshi, 4,815,821, Cl. 350-164.000.
Noto, Yasuo; and Sugiura, Noboru, 4,803,629, Cl. 364-424.050.
Nozaki, Yoshio; Okamatsu, Shigetoshi; and Takaoka, Tadashi, 4,825,131, Cl. [illegible]2.000.
Obata, Takesh[illegible]Kobayashi, Hideaki, 4,876,847, Cl. 57-100.000.
Ochiai, Tsu[illegible]04,836, Cl. 72-8.000.
Odaka, Teru[illegible]shiyama, Kunio; and Noguchi, Shoichi, 4,866,590, Cl. 363-49.000.
Ogasa, Takaaki, 4,877,993, Cl. 313-414.000.
Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.
Ogawa, Soichiro; and Sano, Toshihiko, 4,803,399, Cl. 313-493.000.
Ogawa, Tetsuji; and Kato, Masao, 4,858,108, Cl. 364-200.000.
Ogawa, Toshio; Fujii, Mituru; Asai, Tadamichi; Ikegami, Akira; Ohtsu, Hiroshi; and Ato, Kazuhiko, 4,873,022, Cl. 428-209.000.
Ogino, Masanori; Amemiya, Yoshio; Okino. Michiko; and Washi, Kazuro, 4,810,940, Cl. 315-389.000.
Ogiue, Katsumi; Suzuki, Yukio; Masuda, Ikuro; Odaka, Masanori; and Uchida, Hideaki, 4,858,189, Cl. 365-203.000.
Oguino, Masanori; Yamada, Takeo; and Kimoto, Toshiyuki, 4,814,671, Cl. 315-368.000.
Ogura, Setsuo; Kamegaki, Kazuyuki; Yamazaki, Kouichi; Miyazaki, Hideo; Kitamura, Yukinori; and Mayuzumi, Shirou, 4,857,987, Cl. 357-45.000.
Oguro, Tomokatsu, 4,862,031, Cl. 313-341.000.
Oguro, Tomokatsu, 4,862,034, Cl. 315-39.750.
Ohara, Shuichi; Akasaka, Sinichi; Oka, Hiroyuki; and Hattori, Shintaroo, 4,812,439, Cl. 503-227.000.
Ohashi, Kenya; Honda, Takashi; Furutani, Yasumasa; Kashimura, Eizi; Minato, Akira; and Ohsumi, Katsumi, 4,820,473, Cl. 376-305.000.
Ohashi, Shinichi; and Fukushima, Isao, 4,847,742, Cl. 363-21.000.
Ohata, Hideo; Yoshihara, Ikuo; Takahashi, Yasuyuki; and Ishida, Masahiro, 4,817,032, Cl. 364-900.000.
Ohishi, Aiko; Hirao, Motohisa; Chinone, Naoki; Tsuji, Shinji; Nakamura, Hitoshi; and Matsumura, Hiroyoshi, 4,841,536, Cl. 372-46.000.
Ohji, Toshio; and Okada, Shinji, 4.835,645, Cl. 360-108.000.
Ohki, Nobuaki; Sengoku, Norio; and Kobayashi, Fumiyuki, 4,884,170, Cl. 361-414.000.
Ohnari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; Atago, Takeshi; and Shioya, Makoto, 4,887,216, Cl. 364-431.060.
Ohno, Tasunori; Kurosawa, Tomoe; Sato, Tadashi; Kurosawa, Yukio; and Hakamata, Yoshimi, 4,851,668, Cl. 250-251.000.
Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.
Ohno, Toshiyuki; Tamahashi, Kunihiro; and Chigasaki, Mitsuo, 4,804,606, Cl. 430-57.000.
Ohnuki, Nobutaka, 4,805,163, Cl. 369-44.000.
Oho, Shigeru; Yamada. Kazuji; and Tsuchitani, Shigeki, 4,835,595, Cl. 357-30.00R.
Oho, Shigeru; Hirayama, Takeshi; Matsumoto, Masahiro; Hasegawa, Akira; Hamano, Fumio; and Shibata, Takanori, 4,855,896, Cl. 364-138.000.
Ohshita, Youichi; Hashimoto, Akira; Tsukushi, Masanori; Kurosawa, Yukio; and Okumura, Kiyoshi, 4,864,286, Cl. 340-644.000.
Ohsuga, Minoru; and Oyama, Yoshishige, 4,814,045, Cl. 204-1.00T.
Ohsuga, Minoru; and Ohyama, Yoshishige, 4,850,219, Cl. 73-118.200.
Ohtaka, Tadashi, 4,866,280, Cl. 250-442.100.

Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takeshi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.

Ohtoshi, Tsukuru; Uomi, Kazuhisa; Fukuzawa, Tadashi; and Chinone, Naoki, 4,835,578, Cl. 357-4.000.

Ohtsu, Eiichi, 4,877,081, Cl. 165-30.000.

Ohwada, Junichi; and Kondo, Katsumi, 4,818,077, Cl. 350-350.00S.

Oishi, Konosuke; Okumoto, Toyoharu; Tobe, Hayato; and Tsukada, Masamichi, 4,840,484, Cl. 356-312.000.

Oishi, Konosuke; Tsukada, Masamichi; Kitagawa, Masatoshi; Okumoto, Toyoharu; and Tobe, Hayato, 4,867,562, Cl. 356-312.000.

Oishi, Konosuke; and Sugahara, Kenshi, 4,886,341, Cl. 350-162.220.

Oka, Minoru, 4,882,582, Cl. 341-23.000.

Okabe, Shinichi, 4,807,276, Cl. 379-93.000.

Okada, Kenichi; Asao, Hiroshi; and Nakamura, Keiichi, 4,827,747, Cl. 72-59.000.

Okada, Osami, 4,863,671, Cl. 376-143.000.

Okada, Ryoji; Haneda, Mitsuaki; Araya, Takeshi; and Hioki, Susumu, 4,855,102, Cl. 419-8.000.

Okada, Tsugihiro; Ohtsu, Eiichi; and Yokoyama, Tetsuho, 4,865,119, Cl. 165-16.000.

Okada, Yoshinori; Higuchi, Shigemitsu; Takahashi, Hiroaki; Yunde, Yasufumi; and Furuhata, Takashi, 4,825,299, Cl. 358-323.000.

Okai, Makoto; Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; and Chinone, Naoki, 4,885,753, Cl. 372-45.000.

Okamoto, Isao; Terada, Katsuyuki; Go, Hiromi; Sebata, Michio; Higaki, Hiroshi; and Takai, Hideo, 4,802,418, Cl. 105-167.000.

Okamoto, Yoshio; Nakamura, Yozo; Uchiyama, Kyoichi; Watanabe, Haruo, Kosuge, Tokuo; Onishi, Akira; Terasaki, Akashi; Ando, Hiroyuki; and Hamashima, Eiji, 4,887,769, Cl. 239-493.000.

Okamoto, Yukio; Shinada, Shinichi; Suzuki, Kenkichi; and Kougami, Akihiko, 4,799,058, Cl. 340-811.000.

Okayama, Masao; Kawauchi, Masataka; Iwakami, Hideo; and Hamada, Yasunori, 4,866,254, Cl. 235-379.000.

Okazaki, Kenichi, 4,814,590, Cl. 235-379.000.

Okikawa, Susumu; Mikino, Hiroshi; Suzuki, Hiromichi; Kitamura, Wahei; and Sakamoto, Daiji, 4,845,543, Cl. 357-67.000.

Oku, Masuo; Kudo, Yoshimichi; Saito, Isao; and Fukui, Yukio, 4,805,040, Cl. 358-336.000.

Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.

Okudaira, Sadayuki; Nishimatsu, Shigeru; Suzuki, Keizo; and Ninomiya, Ken, 4,844,767, Cl. 156-345.000.

Okumura, Kiyoshi; and Oishi, Kazuaki, 4,866,569, Cl. 361-335.000.

Okumura, Masahide; Matsuzaka, Takashi; Matsuoka, Genya; Iwadate, Kazumi; Matsuda, Tadahito; and Yamaguchi, Ryoichi, 4,808,829, Cl. 250-491.100.

Okuyama, Kousuke; Uchida, Ken; Kusuyama, Kouichi; Meguro, Satoshi; Katto, Hisao; and Komori, Kazuhiro, 4,818,716, Cl. 437-49.000.

Omae, Tsutomu; Matsuda, Toshihiko; Sukegawa, Takashi; and Tobise, Masahiro, 4,814,678, Cl. 318-317.000.

Omae, Tsutomu; Matsuda, Toshihiko; Miyahara, Youjirou; and Kamiyama, Kenzo, 4,839,834, Cl. 364-565.000.

Omoda, Koichiro; Torii, Shunichi; Nagashima, Shigeo; Inagami, Yasuhiro; and Nakagawa, Takayuki, 4,825,361, Cl. 364-200.000.

Onari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; and Atago, Takeshi, 4,853,720, Cl. 364-431.070.

Onda, Kenichi; Matsuda, Yasuo; Abe, Kojin; Iwafuji, Yasunori; Aoyama, Hiroyuki; and Yoshinaka, Hideo, 4,858,096, Cl. 363-22.000.

Onoda, Junjiro, 4,819,399, Cl. 52-646.000.

Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.

Onozawa, Makoto; Kito, Koji; and Osawa, Michitaka, 4,823,052, Cl. 315-408.000.

Oohashi, Tuneyoshi; Takemori, Satoshi; Kichikawa, Toshimichi; Kuwabara, Kouji; and Sugawara, Hiroyuki, 4,818,892, Cl. 307-106.000.

Oomura, Masatoshi; Miyata, Takahiko; Fujisaki, Kunio; and Shirahase, Tsutomu, 4,868,372, Cl. 235-380.000.

Ooyama, Mitsuo; Ando, Kimiaki; Kawamura, Yoshio; Saitou, Norio; Simura, Takanori; and Kohida, Hiroyuki, 4,820,928, Cl. 250-492.20B.

Orimo, Masayuki; Mori, Kinji; Suzuki, Yasuo; Koizumi, Minoru; Kawano, Katsumi; Kasajima, Hirokazu; and Nakai, Kozo, 4,797,885, Cl. 371-19.000.

Orimo, Masayuki; Mori, Kinji; and Suzuki, Yasuo, 4,811,009, Cl. 340-825.050.

Orimo, Masayuki; Mori, Kinji; and Suzuki, Yasuo, 4,829,516, Cl. 370-88.000.

Oshida, Yoshitada; Nakashima, Naoto; and Yoshitake, Yasuhiro, 4,862,008, Cl. 250-548.000.

Oshiga, Takayuki; Fujiwara, Katsuhiro; Kasahara, Toshiro; and Oshida, Hiromi, 4,833,589, Cl. 364-140.000.

Osuga, Minoru; and Oyama, Yoshishige, 4,825,838, Cl. 123-489.000.

Otaka, Tadashi, 4,803,369, Cl. 250-310.000.

Otsubo, Toru; Aiuchi, Susumu; Kamimura, Takashi; Noguchi, Minoru; and Fujii, Teru, 4,808,258, Cl. 156-643.000.

Ouchi, Hirobumi; Fujiwara, Ichiro; Matsuda, Hiroshi; Ito, Kazuhiro; and Nagatsuma, Kazuyuki, 4,816,890, Cl. 357-30.000.

Ouchi, Yasuhide; Aoi, Hajime; Nishiyama, Nobumasa; Tamura, Takashi; Saitoh, Makoto; and Tsuchiya, Reijiro, 4,823,208, Cl. 360-46.000.

Ozaki, Kiyoshi; Mori, Atsushi; Tsuda, Hideo; Kawamoto, Mineo; Murakami, Kanji; and Wajima, Motoyo, 4,820,549, Cl. 427-98.000.

Ozawa, Jun; Shindo, Katsuji; Takeuchi Shigetaka; and Suzuki, Goro, 4,814,936, Cl. 361-127.000.

Ozawa, Koji; Araoka, Manabu; and Takaya, Soichi, 4,849,876, Cl. 364-200.000.

Ozawa, Naohiro; Gotoh, Toshihiko; and Shoji, Junichi, 4,834,563, Cl. 400-120.000.

Ozawa, Naoki; Akiyama, Toshiyuki; Takahashi, Kenji; Mimura, Itaru; and Nakano, Takahiro, 4,884,129, Cl. 358-44.000.

Rokuda, Morito; Ohtsubo, Hiroyasu; Masuda, Michio; Nishijima, Hideo; and Okamoto, Kaneyuki, 4,855,812, Cl. 358-22.000.

Sagara, Kazuhiko; Nakamura, Tohru; Nakazato, Kazuo; Kure, Tokuo; Ikeda, Kiyoji; and Homma, Noriyuki, 4,829,361, Cl. 357-50.000.

Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; Shigematsu, Kazuo; and Takasugi, Wasao, 4,835,759, Cl. 369-59.000.

Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; and Takasugi, Wasao, 4,866,692, Cl. 369-59.000.

Saito, Chuichi; and Hanano, Masamitsu, 4,819,781, Cl. 198-335.000.

Saito, Chuichi, 4,871,056, Cl. 198-335.000.

Saito, Cyuichi, 4,798,274, Cl. 198-324.000.

Saito, Hiroshi; and Sasaki, Shinji, 4,831,963, Cl. 118-723.000.

Saito, Kazumasa; Maezawa, Hiroyuki; Kobayashi, Masakazu; and Futamura, Yoshihiko, 4,831,525, Cl. 364-300.000.

Saitoh, Masakatsu; Kumisawa, Yuko; Yamada, Jun; and Satoh, Kohzoh, 4,832,457, Cl. 350-334.000.

Saitoo, Shuuji; and Tokunaga, Yoshikatu, 4,862,321, Cl. 361-385.000.

Saitou, Norio; Okumura, Masahide; Komoda, Tsutomu; and Ooyama, Mitsuo, 4,829,444, Cl. 364-468.000.

Sakai Koichi, 4,795,933, Cl. 310-269.000.

Sak[illegible], Takaaki; and Kuragano, Mitsuru, 4,815,521, Cl. 164-496.000.

Sakai, Yasuo; and Asai, Nobuteru, 4,845,612, Cl. 364-200.000.

Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, 4,821,112, Cl. 358-17.000.

Sakano, Shinji; and Matsumura, Hiroyoshi, 4,803,692, Cl. 372-50.000.

Sakano, Shinji; Inoue, Hiroaki; Matsumura, Hiroyoshi; Nakamura, Hitoshi; Katsuyama, Toshio; and Chinone, Naoki, 4,813,757, Cl. 350-96.140.

Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, 4,816,696, Cl. 290-52.000.

Sakudo, Noriyuki; Tokiguchi, Katsumi; Koike, Hidemi; Okada, Osami; Saito, Norio; and Ozasa, Susumu, 4,801,847, Cl. 315-5.410.

Sakuraba, Shinichi; Matsushita, Hajime; and Kurimura, Masaaki, 4,847,910, Cl. 382-6.000.

Sakurai, Kazuo; and Tamura, Takahiro, 4,886,427, Cl. 417-369.000.

Sakurai, Mikio; Hayashi, Tsutomu; Izumi, Masayuki; Sasaki, Hiroshi; Satho, Thoru; and Owada, Kazuo, 4,806,277, Cl. 252-626.000.

Sakurai, Shigeo; Umezawa, Sadao; Usami, Saburo; Miyata, Hiroshi; Toriya, Hajime; Tsubouchi, Kuniyoshi; and Kaneko, Ryoichi, 4,875,170, Cl. 364-507.000.

Sakurai, Soichi; Osawa, Michitaka; and Oguro, Hiroki, 4,833,370, Cl. 315-368.000.

Sano, Koichi; Sato, Shinichi; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,803,431, Cl. 324-306.000.

Sano, Koichi; Yokoyama, Tetsuo; Takeda, Ryuzaburo; Ozawa, Yasuhiko; Sato, Shinichi; and Koizumi, Hideaki, 4,844,077, Cl. 128-653.000.

Sano, Koichi; Yamagata, Shimbu; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,870,362, Cl. 324-312.000.

Sano, Yuji; Osawa, Michitaka; and Kawai, Masahide, 4,820,997, Cl. 330-252.000.

Sarugaku, Shinichi, 4,883,938, Cl. 219-124.340.

Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,500, Cl. 400-120.000.

Sasaki, Hideki; Matsuoka, Shigeru; Matsuda, Eiji; Yonenaga, Hitoshi; and Fukushima, Masahito, 4,890,256, Cl. 364-900.000.

Sasaki, Hisao; Terada, Matsuaki; Matsui, Susumu; Kawakita, Kenji; Kashio, Jiro; Baba, Shiro; Akao, Yasushi; and Okochi, Toshio, 4,881,167, Cl. 364-200.000.

Sasaki, Shinya, 4,812,776, Cl. 330-4.300.

Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.

Sato, Katsuyuki; Kawamoto, Hiroshi; and Yanagisawa, Kazumasa, 4,839,865, Cl. 365-201.000.

Sato, Kazutaka; Watanabe, Michihiro; Zen, Munetoshi; Obata, Shigeru; Atoh, Kazuhiko; and Kamachi, Katsuhiko, 4,835,550, Cl. 346-76.0PH.

Sato, Naoki; Kamo, Yoshihisa; Takeura, Tooru; Katsumata, Masao; and Momata, Kazuhiro, 4,802,043, Cl. 360-113.000.

Sato, Nobuyuki; Ujiie, Kazuaki; Terasawa, Masaaki; and Nabetani, Shinji, 4,881,201, Cl. 365-189.090.

Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, 4,847,476, Cl. 250-427.000.

Sato, Tomio; Matsuoka, Shigeru; Matsuda, Eiji; and Yonenaga, Hitoshi, 4,887,165, Cl. 358-474.000.

Sato, Toshihiro; Toyooka, Takashi; Kodama, Naoki; Takeuchi, Teruaki; Takeshita, Masatoshi; and Suzuki, Ryo, 4,837,741, Cl. 365-12.000.

Sato, Yoichi, 4,888,737, Cl. 365-203.000.

Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, 4,872,606, Cl. 228-121.000.

Satoh, Tomiyoshi; Kimura, Masahiro; and Takahashi, Hidenobu, 4,864,440, Cl. 360-99.020.

Satoo, Masayoshi; Tokunaga, Norikazu; Amano, Hisao; Odaka, Teruaki; and Matsuda, Yasuo, 4,866,589, Cl. 363-21.000.

Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.

S[illegible]ou, Yukimasa; Yatsuo, Tsutomu; Oikawa, Saburo; and Sanpei, Isamu, 4,825,270, Cl. 357-38.000.

Sawahata, Kazuo; and Kanamaru, Hisanobu, 4,884,427, Cl. 72-82.000.

Sawai, Masaaki, 4,849,982, Cl. 372-46.000.

Seki, Gen; and Hayashi, Seiichi, 4,819,108, Cl. 360-104.000.

Sekiya, Hiroshi; Arai, Ikuya; and Murata, Toshinori, 4,870,490, Cl. 358-158.000.

Senoh, Makoto; Tomizawa, Fumio; Sekido, Akihito; Suzuki, Masanori; Sugiyama, Sakae; and Yoshida, Tomiharu, 4,811,248, Cl. 364-513.000.

Seo, Hiromi; and Kushizaki, Osami, 4,872,153, Cl. 369-44.000.

[illegible]o, Y[illegible]ke; Hirano, Yoshiyuki; Aoi, Hajime; Tamura, Takashi; [illegible]akabayashi, Kazuyoshi, 4,851,939, Cl. 360-77.020.

S[illegible]ta, Yoji, 4,873,715, Cl. 379-93.000.

Shibata, Yoshihiro; Katohno, Noboru; and Yokota, Hajime, 4,809,115, Cl. 360-137.000.

Shigihara, Kimiko; Nakayama, Masahiro; and Kurano, Akira, 4,814,904, Cl. 360-60.000.

Shikanai, Naoki; Okuhara, Tetsuo; and Tanaka, Koji, 4,834,562, Cl. 400-54.000.

Shimada, Shigeru; Kondoh, Akimitsu; and Miyazaki, Atsuo, 4,811,244, Cl. 364-521.000.

Shimada, Shigeru, 4,847,788, Cl. 364-522.000.

Shimauchi, Hiroshi, 4,812,833, Cl. 340-712.000.

Shimizu, Ichio, 4,797,787, Cl. 361-421.000.

Shimizu, Shinji, 4,845,544, Cl. 357-71.000.

Shimizu, Shinji; Tsuchiya, Osamu; and Sato, Katsuyuki, 4,873,559, Cl. 357-23.600.

Shimizu, Toshihiko; Hotta, Masao; and Maio, Kenji, 4,875,048, Cl. 341-156.000.

Shimizu, Tsuguo; and Takamine, Yoshio, 4,833,619, Cl. 364-489.000.

Shimohigashi, Katsuhiro; Masuda, Hiroo; Ikuzaki, Kunihiko; and Kawamoto, Hiroshi, 4,860,255, Cl. 365-189.000.

Shimoi, Kenji, 4,853,872, Cl. 364-300.000.

Shimojo, Tetsuji; Harada, Mineo; Tanaka, Hideyo; and Furuya, Kaname, 4,822,188, Cl. 400-124.000.

Shimokawa, Ryushi; Ueda, Seiichi; Kamata, Yasuji; Yamashita, Kenkichi; Kato, Kazuo; and Sato, Hideo, 4,888,561, Cl. 330-290.000.

Shinada, Hiroyuki; Todokoro, Hideo; and Fukuhara, Satoru, 4,803,430, Cl. 324-250.000.

Shinbayashi, Toshiya; and Takeuchi, Takashi, 4,855,988, Cl. 369-116.000.

Shinoda, Takashi; and Ishihara, Masamichi, 4,802,135, Cl. 365-233.000.

Shinoda, Takashi, 4,811,295, Cl. 365-189.000.

Shinoda, Takashi; and Sakai, Osamu, 4,817,052, Cl. 365-104.000.

Shinoda, Takashi; Sakai, Kikuo; Ogata, Masahiro; Kawamoto, Hiroshi; Onishi, Yoshiaki, deceased; and Onishi, Junko, administratrix, 4,839,860, Cl. 365-104.000.

Shinohara, Hiroichi; Suzuki, Hideo; and Ogihara, Satoru, 4,858,077, Cl. 361-414.000.

Shinsha, Takao; Morita, Masao; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364-490.000.

Shiobara, Ryoichi; and Ohi, Masao, 4,851,766, Cl. 324-158.0MG.

Shirai, Shoji; Komoro, Hidemasa; Takahashi, Yoshiaki; Fukushima, Masakazu; and Majima, Kazuo, 4,833,365, Cl. 313-414.000.

Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, 4,851,741, Cl. 315-382.000.

Shiraishi, Kazuhisa; Nakagoshi, Kazuo; and Ogawa, Takuji, 4,881,136, Cl. 360-25.000.

Shiraishi, Mikio; Gotoh, Toshihiko; Hamma, Kentaro; Kimura, Hiroyuki; Kobori, Yasunori; and Tomatsuri, Koichi, 4,844,770, Cl. 156-387.000.

Shiraishi, Takashi; and Hasegawa, Taiji, 4,853,862, Cl. 364-431.050.

Shiraishi, Takayoshi, 4,797,921, Cl. 380-28.000.

Shiraishi, Yoichi; Sakemi, Junya; Ono, Kunio; and Naka, Ichiro, 4,888,299, Cl. 437-51.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gobara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.

Shirouzu, Tatsuji; Morita, Masatoshi; and Mizuno, Satoshi, 4,805,062, Cl. 361-4.000.

Shirouzu, Tatsuji; Takahashi, Tatsuo; Sato, Motoo; and Mizuno, Satoshi, 4,862,313, Cl. 361-102.000.

Shiroyanagi, Yoshiro; and Kurano, Akira, 4,819,203, Cl. 364-900.000.

Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.

Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839,949, Cl. 29-132.000.

Soga, Tasao; Goda, Marahiro; Nakano, Fumio; Kushima, Tadao; Ushifusa, Nobuyuki; Kobayashi, Fumiyuki; and Sawahata, Mamoru, 4,825,284, Cl. 357-80.000.

Sohma, Kenichi; Azuhata, Shigeru; Narato, Kiyoshi; Inada, Tooru; Kobayashi, Hironobu; Arashi, Norio; and Miyadera, Hiroshi, 4,820,046, Cl. 356-328.000.

Sonobe, Hisao; Makino, Junichi; Oho, Shigeru; Matsumoto, Masahiro; Kitano, Kouji; and Araki, Hiroshi, 4,796,993, Cl. 356-350.000.

Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,812,346, Cl. 428-65.000.

Sudo, Ryoichi; Miwa, Hiroaki; Tajima, Tetsuo; and Horigome, Shinkichi, 4,835,027, Cl. 428-64.000.

Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.

Suefuji, Kazutaka; Arata, Tetsuya; Senshu, Takao; Okamoto, Jyoji; and Murayama, Akira, 4,810,176, Cl. 418-55.000.

Suga, Tosimasa, 4,811,276, Cl. 364-900.000.

Sugano, Mitugu; Kaneko, Shinichi; Oka, Mitsunori; Nokina, Kimiya; and Koshimizu, Kazuhiro, 4,797,754, Cl. 360-48.000.

Sugayama, Shigeru; Kariya, Tadaaki; Shimura, Tatsuo; and Tomita, Sigeo, 4,833,587, Cl. 363-96.000.

Sugimoto, Koichi; Hirabayashi, Hisaaki; and Masui, Tomoyuki, 4,884,015, Cl. 318-640.000.

Sugita, Shigehisa; Koyama, Kazuhito; Shiina, Koji; Sakaguchi, Seiichiro; Kuroda, Michio; and Noguchi, Yoshiki, 4,820,594, Cl. 429-17.000.

Sugiura, June; and Komori, Kazuhiro, 4,872,041, Cl. 357-23.500.

Suka, Hisao; Iwao, Akira; Kubota, Kazuhiro; Ishii, Yoshitaro; and Sunagawa, Masao, 4,809,394, Cl. 15-327.00R.

Sunami, Hideo; Kure, Tokuo; Hiraiwa, Atsushi, and Wada, Yasuo, 4,860,071, Cl. 357-23.600.

Sunami, Hideo; Kimura, Shinichiro; and Kaga, Toru, 4,873,560, Cl. 357-23.600.

Susa, Kenzo; Takagi, Kazumasa; Kobayashi, Toshio; Takayama, Takanobu; and Ohta, Norio, 4,876,144, Cl. 428-336.000.

Suzuki, Hiroaki; Murase, Michio; Hatamiya, Shigeo; Naitoh, Masanori; and Tominaga, Kenji, 4,822,557, Cl. 376-282.000.

Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.

Suzuki, Kazuo, 4,885,537, Cl. 324-309.000.

Suzuki, Keizo; Hiraoka, Susumu; and Nishimatsu, Shigeru, 4,886,571, Cl. 156-646.000.

Suzuki, Kenji; Takagi, Toshiyuki; and Nishi, Tomoya, 4,803,653, Cl. 364-900.000.

Suzuki, Masami; Nishida, Hiroshi; Naruse, Jun; Takahashi, Tsuyoshi; and Suzuki, Tomio, 4,795,928, Cl. 310-13.000.

Suzuki, Masami; Nishida, Hiroshi; Suzuki, Tomio; Kawamura, Katsumi; and Takahashi, Tsuyoshi, 4,812,934, Cl. 360-106.000.

Suzuki, Masayoshi; and Izaki, Naoyuki, 4,808,845, Cl. 307-270.000.

Suzuki, Motoyuki; Miura, Yoshio; and Fukushima, Akio, 4,841,511, Cl. 369-50.000.

Suzuki, Motoyuki; and Miura, Yoshio, 4,866,695, Cl. 369-266.000.

Suzuki, Seikoo; Miki, Masayuki; Sasayama, Takao; Osuga, Minoru; and Oyama, Yoshishige, 4,882,030, Cl. 204-406.000.

Suzuki, Shoji; Kazama, Toshinori; Daitou, Hiroshi; Takeuchi, Yoshinori; and Yamaguchi, Yuzo, 4,814,906, Cl. 360-75.000.

Suzuki, Tadao; and Tsutsui, Mitsukuni, 4,829,814, Cl. 73-118.200.

Suzuki, Toru; Sakamoto, Masahide; and Watanabe, Akihito, 4,799,380, Cl. 73-116.000.

Suzuki, Yasunaga; Matsubara, Toshiaki; and Uragami, Akira, 4,827,368, Cl. 361-88.000.

Suzuki, Yoshito, 4,797,851, Cl. 364-900.000.

Suzuki, Yukio; and Kumada, Masaharu, 4,833,361, Cl. 313-346.00R.

Suzuki, Yukio; Masuda, Ikuro; Iwamura, Masahiro; Kadono, Shinji; Uragami, Akiro; Yoshimura, Masayoshi; and Matsubara, Toshiaki, 4,879,480, Cl. 307-446.000.

Suzuyama, Hiroshi; Suzuki, Yoshirou; and Sakaguchi, Minoru, 4,862,319, Cl. 361-341.000.

Suzuyama, Hiroshi; Sakaguchi, Minoru; and Mikami, Osamu, 4,888,458, Cl. 200-400.000.

Tabata, Kuniaki; Machida, Tetsuo; Hino, Masatoshi; and Nomura, Kunihiro, 4,808,989, Cl. 340-750.000.

Tabata, Kuniaki; Machida, Tetsuo; Takeda, Haruo; Takada, Naoki; and Okada, Yasuyuki, 4,809,345, Cl. 382-47.000.

Tachi, Shinichi; Okudaira, Sadayuki; Tsujimoto, Kazunori; and Mukai, Kiichiro, 4,857,137, Cl. 156-640.000.
Tachiuchi, Tsuguji; Mano, Hiroyuki; and Takashi, Terumi, 4,808,991, Cl. 340-793.000.
Tachiuchi, Tsuguji; Konuma, Satoshi; and Tsuchiya, Nobuo, 4,839,739, Cl. 358-282.000.
Tada, Kunio; Okada, Yoshitaka; Inoue, Hiroaki; and Matsumura, Hiroyoshi, 4,832,430, Cl. 350-96.140.
Takada, Keiji; Okumura, Masahide; Fukuhara, Satoru; Morimura, Toshiyuki; Hosaka, Sumio; and Hosoki, Shigeyuki, 4,841,191, Cl. 310-317.000.
Takagi, Katsuaki; Aoki, Hirokazu; Nakagawa, Norio; and Hagiwara, Yoshimune, 4,812,969, Cl. 364-200.000.
Takagi, Katsuaki, 4,819,211, Cl. 365-230.000.
Takagi, Yasushi; and Murakami, Toshio, 4,797,733, Cl. 358-29.000.
Takahashi, Eiki; Miyazaki, Masahiro; and Nakamura, Kiyoshi, 4,885,503, Cl. 313-450.000.
Takahashi, Fumio; Nagaoka, Yukio; and Harada, Tawao, 4,816,993, Cl. 364-200.000.
Takahashi, Hideaki; and Arabori, Noboru, 4,869,347, Cl, 187-116.000.
Takahashi, Kenitiro; and Ueno, Yukichi, 4,814,761, Cl. 340-825.050.
Takahashi, Masami; Tatsukawa, Eiji; Torii, Shunichi; and Kojima, Keiji, 4,839,799, Cl. 364-200.000.
Takahashi, Sadao, 4,803,355, Cl. 250-288.000.
Takahashi, Tadashi; Yamashita, Seizi; Miyashita, Kunio; and Kawamata, Syooichi, 4,818,939, Cl. 324-208.000.
Takahashi, Toshimitsu; Shiba, Takashi; Fujita, Yuji; and Yamada. Jun, 4,818,961, Cl. 333-194.000.
Takahashi, Yoshiaki, 4,825,120, Cl. 313-414.000.
Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, 4,818,995, Cl. 341-94.000.
Takakura, Hiroshi; and Koizumi, Sachio, 4,886,995, Cl. 313-344.000.
Takamine, Yoshio; Nakagawa, Takayuki; Kazama, Yoshiharu; Kinoshita, Yoshiaki; and Miyamoto, Shunsuke, 4,811,213, Cl. 364-200.000.
Takano, Nobuyoshi; Watanabe, Yoshio; Taichi, Yoshio; Akimori, Norimi; and Yoshida, Kasumi, 4,827,966, Cl. 137-115.000.
Takano, Yoshiya; and Hoshi, Yoshikazu, 4,817,569, Cl. 123-470.000.
Takaragi, Kazuo; Sasaki, Ryoichi; Shiraishi, Takayoshi; and Kurashiki, Nobuhiro, 4,885,777, Cl. 380-30.000.
Takaragi, Kazuo; Shiraishi, Takayoshi; and Sasaki, Ryoichi, 4,885,788, Cl. 380-23.000.
Takasago, Masahiro; and Arai, Shinichi, 4,853,915, Cl. 369-32.000.
Takasaki, Yoshitaka, 4,796,281, Cl. 375-112.000.
Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
Takase, Akihiko, 4,813,058, Cl. 375-82.000.
Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.
Takasugi, Wasao; Shinomura, Ryuichi; and Okabe, Takeaki, 4,817,066, Cl. 367-137.000.
Takasugi, Wasao; Yonezawa, Seiji; Tsuyoshi, Toshiaki; and Ohtake, Masatoshi, 4,847,822, Cl. 369-44.000.
Takasuna, Eiichi; and Imamura, Masaaki, 4,844,963, Cl. 428-64.000.
Takata, Yoshinori; Ito, Mitsuo; and Miura, Junkichi, 4,806,250, Cl. 210-659.000.
Takata, Yoshinori; and Iwabuchi, Hitoshi, 4,849,110, Cl. 210-656.000.
Takatori, Hiroshi; Matsuhara, Osamu; and Yamano, Seiichi, 4,833,691, Cl. 375-14.000.
Takatori, Hiroshi; Kokumai, Motohiro; and Shinozuka, Tatsuko, 4,868,874, Cl. 379-411.000.
Takayama, Shinji; Kirino, Fumiyoshi; and Sugita, Yutaka, 4,838,962, Cl. 148-304.000.
Takayama, Shinji; Niihara, Toshio; Kaneko, Katsuhiro; and Sugita, Yutaka, 4,880,694, Cl. 428-336.000.
Takeda, Haruo; Tabata, Kuniaki; and Nakamura, Masao, 4,808,987, Cl. 340-721.000.
Takeda, Haruo, 4,853,921, Cl. 369-59.000.
Takeda, Kazuo; Ito, Yoshitoshi; Honma, Noriaki; and Munakata, Chusuke, 4,876,458, Cl. 250-574.000.
Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.
Takeda, Ryuzaburo; Koizumi, Hideaki; and Ishizuka, Toshihiro, 4,814,709, Cl. 324-309.000.
Takeda, Ryuzaburo; Koizumi, Hideaki; and Miyamoto, Yoshiyuki, 4,889,127, Cl. 128-653.000.
Takeda, Yukio; and Ogihara, Satoru, 4,796,077, Cl. 357-67.000.
Takemoto, Iwao; Izawa, Tetsurou; Sokei, Hiroichi; and Suzuki, Toshiki, 4,866,292, Cl. 250-578.000.
Takenaka, Takaji; Watanabe, Hideki; and Kobayashi, Fumiyuki, 4,836,434, Cl. 228-179.000.
Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.
Takeuchi, Hisaharu; Takamatsu, Hisashi; Nakayama, Masahiro; Shiroyanagi, Yoshiro; and Kurano, Akira, 4,805,048, Cl. 360-69.000.
Takeuchi, Hisaharu; Kurano, Akira; Shiroyanagi, Yoshiro; Takamatsu, Hisashi; and Nakamura, Katsunori, 4,807,180, Cl. 364-900.000.
Takeuchi, Ryozo; Suzuki, Yasuaki; Nagata, Tetsuya; and Hirose, Eturo, 4,888,648, Cl. 358-335.000.
Takeura, Tooru; and Momata, Kazuhiro, 4,807,073, Cl. 360-113.000.
Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.
Takiyasu, Yoshihiro, 4,813,039, Cl. 370-89.000.
Takizawa, Kazuyoshi; and Watanuki, Kiyoshi, 4,841,201, Cl. 315-411.000.
Tamaki, Sigeo; and Ishizawa, Isamu, 4,809,659, Cl. 123-399.000.
Tamakoshi, Masashi; Suzuki, Toshiro; and Takatori, Hiroshi, 4,835,482, Cl. 328-167.000.
Tamotu, Simada; Kambara, Hideki; Harada, Yoshinori; Watanabe, Kenichi; and Tokita, Jiro, 4,830,830, Cl. 422-71.000.
Tamura, Hifumi; Shichi, Hiroyasu; and Umemura, Kaoru, 4,841,143, Cl. 250-288.000.
Tamura, Naoyuki; Kamohara, Hideaki; Kanai, Norio; and Ichihashi, Kazuaki, 4,810,473, Cl. 422-247.000.
Tamura, Takahiro; and Sakurai, Kazuo, 4,818,198, Cl. 418-55.000.
Tanabe, Yoshiyuki; and Kashiwaya, Mineo, 4,838,223, Cl. 123-339.000.
Tanaka, Hirotoshi; Tanaka, Satoshi; Kinoshita, Taizo; Kotera, Nobuo; and Nagata, Minoru, 4,825,145, Cl. 323-315.000.
Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, 4,847,550, Cl. 323-313.000.
Tanaka, Shunji; and Umeno, Hidenori, 4,887,202, Cl. 364-200.000.
Tani, Hisashi; Terada, Katsuyuki; and Takeichi, Michifumi, 4,825,774, Cl. 105-141.000.
Tani, Tatsuhiro; Ishiguri, Masaaki; Kikuchi, Rokuro; and Ohyama, Akio, 4,821,412, Cl. 29-882.000.
Taniguchi, Hidenobu; and Kawatobi, Tatsuo, 4,879,742, Cl. 379-111.000.
Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yoshizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
Tanka, Kazuaki; Yokoyama, Ichiro; Yoneda, Shigeru; Wakayama, Satoshi; Urakawa, Makoto; and Iihama, Takashi, 4,819,160, Cl. 364-300.000.
Tashahashi, Minoru; Tokuda, Hiroastu; Watanabe, Izumi; and Nishimura, Yutaka, 4,881,407, Cl. 73-204.160.
Tateishi, Hideki; Saito, Hiroshi; Sasaki, Shinji; and Horiuchi, Mitsuaki, 4,853,102, Cl. 204-298.000.
Tatsuno, Kimio; Opschoor, Jan; van der Poel, Carolus J.; and Drenten, Ronald R., 4,822,151, Cl. 350-401.000.
Tatsuoka, Syuuzi; Sekiyama, Hiroshi; and Ishige, Kanji, 4,819,327, Cl. 29-840.000.
Taya, Shunroku; Abe, Katsunobu; and Shibata, Atsushi, 4,839,523, Cl. 250-492.200.
Taya, Shunroku, 4,870,283, Cl. 250-396.00R.
Teranishi, Mitsuo; Urushidani, Haruo; Toriya, Hajime; and Ebine, Shoji, 4,880,354, Cl. 416-95.000.
Terao, Motoyasu; Nishida, Tetsuya; Miyauchi, Yasushi; and Hongome, Shinkichi, 4,866,672, Cl. 365-151.000.
Terayama, Takao; and Yokota, Hajime, 4,866,549, Cl. 360-85.000.
Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suzuki, Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyoshi; and Yoneda, Kenji, 4,872,532, Cl. 187-121.000.
Toda, Gyozo; Kuroki, Takashi; Ishihara, Shousaku; Kanda, Naoya; and Fujita, Tsuyoshi, 4,817,276, Cl. 29-830.000.
Todaka, Yoshihiro; and Imaide, Takuya, 4,809,076, Cl. 358-213.190.
Todaka, Yoshihiro; Kinugasa, Toshiro; Noda, Masaru; and Aizawa, Iwao, 4,835,617, Cl. 358-213.130.
Todokoro, Hideo, 4,827,127, Cl. 250-310.000.
Todokoro, Hideo, 4,855,673, Cl. 324-158.00R.
Todoroki, Yasumasa; Miura, Haruo; and Ohashi, Shigenobu, 4,887,940, Cl. 415-199.100.
Togawa, Eisei; Suzuki, Saburo; Sugimoto, Kenji; and Kawamata, Shunichiro, 4,841,624, Cl. 29-603.000.
Tojo, Kenji; Kadomukai, Yuzo; Takao, Kunihiko; Nakamura, Yozo; Suginuma, Atsushi; Hayase, Isao; and Takahashi, Yukio, 4,801,248, Cl. 417-222.000.
Tojo, Kenji; Kawashima, Kenichi; Suefuji, Kazutaka; and Nakamura, Yozo, 4,861,245, Cl. 418-55.000.
Tokisue, Hiromitsu; Tsumaki, Nobuo; and Koike, Toshifumi, 4,874,273, Cl. 406-88.000.
Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, 4,833,665, Cl. 369-58.000.
Tomioka, Yasushi; Imazeki, Shuji; Terao, Motoyasu; Ojima, Masahiro; and Taniguchi, Yoshio, 4,855,951, Cl. 365-119.000.
Tomita, Yoshifumi; Nishizawa, Masahiro; and Nonogaki, Saburo, 4,855,200, Cl. 430-25.000.
Tomite, Toshio; and Watanabe, Yasuaki, 4,833,769, Cl. 29-597.000.
Tomomura, Masaomi; Nogita, Shunsuke; and Someya, Kazuo, 4,816,237, Cl. 423-210.000.

Tonomura, Motonobu, 4,823,257, Cl. 364-200.000.
Tsubaki, Tohru, 4,890,193, Cl. 361-341.000.
Tsuboi, Nobuyoshi; Watanabe, Atsumi; Sato, Yoshio; Shimada, Satoshi; and Sasaki, Hiroshi, 4,841,514, Cl. 369-100.000.
Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; and Arai, Akira, 4,808,084, Cl. 417-322.000.
Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; Okusawa, Tsutomu; and Arai, Akira, 4,822,250, Cl. 417-45.000.
Tsuchihashi, Akira; and Ezawa, Naoya, 4,865,514, Cl. 414-736.000.
Tsuji, Hiroshi; Yasunobu, Chizuko; and Masuishi, Tetsuya, 4,853,873, Cl. 364-513.000.
Tsuji, Michiru; Konno, Chisato; and Saji, Miyuki, 4,841,479, Cl. 364-900.000.
Tsukiyama, Tokuhiro; Sagara, Yasunori; and Miyazawa, Kazumi, 4,866,440, Cl. 341-95.000.
Tsukiyama, Tokuhiro; Yashiki, Hiroshi; and Hirose, Osamu, 4,872,009, Cl. 341-95.000.
Tsumaki, Koji; Miyata, Kenji; and Nishi, Masatsugu, 4,812,774, Cl. 328-233.000.
Tsuruoka, Kazuhiro; Kanamaru, Hisanobu; Ohwada, Takefumi; Hayase, Isao; and Mizukami, Masao, 4,815,195, Cl. 29-523.000.
Tsushima, Isao; Komoda, Norihisa; Yagi, Masao; and Kusuzaki, Tetsuo, 4,852,001, Cl. 364-401.000.
Tsutsumi, Yoshitsugu; Ueda, Shinjiro; and Otaka, Tadashi, 4,889,995, Cl. 250-441.100.
Tsuyoshi, Toshiaki; and Mada, Takeshi, 4,796,246, Cl. 369-44.000.
Tsuyoshi, Toshiaki; Ohtake, Masatoshi; Takasugi, Wasao; and Yonezawa, Seiji, 4,872,152, Cl. 369-44.000.
Tsuzurahara, Mamoru, 4,797,596, Cl. 315-5.130.
Tsuzurahara, Mamoru, 4,853,824, Cl. 361-302.000.
Tsuzurahara, Mamoru, 4,872,085, Cl. 361-302.000.
Tutamune, Hirotaka; Shiragai, Yasuo; Karino, Yoshiaki; and Wakasa, Yasuyuki, 4,884,698, Cl. 209-534.000.
Uchida, Akihisa; Okada, Daisuke; Takakura, Toshihiko; Ogiue, Katsumi; Tamaki, Yoichi; and Kawamura, Masao, 4,853,343, Cl. 437-33.000.
Uchida, Kenji; Banba, Nobuyuki; Kuroiwa, Minoru; Saito, Makoto; and Kamino, Yukishige, 4,854,783, Cl. 406-13.000.
Uchida, Noriaki; and Gemma, Hideaki, 4,860,247, Cl. 364-900.000.
Uchiyama, Kunio; and Nishimukai, Tadahiko, 4,797,816, Cl. 364-200.000.
Uchiyama, Kunio; Nishimukai, Tadahiko; and Hasegawa, Atsushi, 4,803,616, Cl. 364-200.000.
Ueda, Hirotada; Matsushima, Hitoshi; Hagiwara, Yoshimune; and Kaneko, Kenji, 4,821,187, Cl. 364-200.000.
Uematsu, Takao; Suzuki, Hiroshi; Komatsuzaki, Shigeki; and Nakano, Fumio, 4,803,000, Cl. 252-32.500.
Ueno, Masahiro; Kurita, Kozaburo; Masuda, Ikuro; and Miyakawa, Nobuaki, 4,797,583, Cl. 307-475.000.
Ueno, Masahiro; Iwamura, Masahiro; Kurita, Kozaburo; and Masuda, Ikuro, 4,801,983, Cl. 357-15.000.
Ueno, Sadayasu, 4,888,716, Cl. 364-550.000.
Ueno, Toru; Fukuoka, Youichi; Baba, Seiichi; Miyoshi, Kaoru; and Kinoshita, Kazuto, 4,871,910, Cl. 250-560.000.
Ueno, Toshiaki; Ikeuchi, Fumio; and Inoue, Fumihito, 4,795,963, Cl. 324-57.00R.
Uesugi, Masaki, 4,881,138, Cl. 360-96.500.
Ujihara, Toshihide; Sakurada, Shuroku; Sakaue, Tadashi; and Musha, Shuji, 4,868,625, Cl. 357-38.000.
Umemura, Shinichiro; Cain, Charles A.; and Katakura, Kageyoshi, 4,865,042, Cl. 128-660.030.
Umeno, Hidenori; Kubo, Takashige; Hagiwara, Nobutaka; Sato, Hiroaki; and Sawamoto, Hideo, 4,885,681, Cl. 364-200.000.
Umetani, Keiji; Ueda, Ken; Suzuki, Ryuichi; and Yokouchi, Hisatake, 4,890,310, Cl. 378-82.000.
Unnai, Takaaki; Nonaka, Yasuhiko; and Inoue, Eisuke, 4,816,715, Cl. 313-366.000.
Uno, Motoo; Takeuchi, Ikuo; Honma, Kazuo; and Sakai, Akihiko, 4,813,339, Cl. 91-459.000.
Uomi, Kazuhisa; Yoshizawa, Misuzu; Ono, Yuichi; Chinone, Naoki; and Kajimura, Takashi, 4,797,891, Cl. 372-46.000.
Uomi, Kazuhisa; Chinone, Naoki; Yoshizawa, Misuzu; Nakatsuka, Shin'ichi; Kajimura, Takashi; and Ono, Yuichi, 4,811,354, Cl. 372-46.000.
Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; Okai, Makoto; and Chinone, Naoki, 4,873,691, Cl. 372-20.000.
Uozumi, Norihira; Amakawa, Koji; Kubota, Yoshiyuki; Miki, Atsushi; and Tsutsumi, Yasuyuki, 4,808,492, Cl. 429-34.000.
Urushiwara, Noriyoshi; Sugiura, Noboru; Fujino, Yasunori; and Kobayashi, Ryoichi, 4,854,292, Cl. 123-630.000.
Usagawa, Toshiyuki; Shiraki, Yasuhiro; Ono, Yuichi; Takahashi, Susumu; and Hashimoto, Norikazu, 4,805,005, Cl. 357-22.000.
Usami, Kenichi; Kirihara, Seishin; Morimoto, Tadaoki; Doi, Hiroyuki; and Okada, Michiya, 4,802,894, Cl. 48-77.000.
Usami, Saburo; Uchiyama, Kyoichi; and Suzuki, Satoshi, 4,875,837, Cl. 417-407.000.
Ushifusa, Nobuyuki; Shinohara, Hiroichi; Nagayama, Kousei; Ogihara, Satoru; and Soga, Tasao, 4,821,142, Cl. 361-395.000.
Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, 4,804,559, Cl. 427-96.000.
Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, 4,880,464, Cl. 106-1.050.
Usui, Toshifumi; Yanagisawa, Syozo; Kanamaru, Hisanobu; and Tsuruoka, Kazuhiro, 4,815,192, Cl. 29-509.000.
Wachi, Isao; Mori, Kinji; Suzuki, Yasuo; Orimo, Masayuki; Kawano, Katsumi; Koizumi, Minoru; Nakai, Kozo; and Kasashima, Hirokazu, 4,837,762, Cl. 370-89.000.
Wada, Hideo; Abe, Shuichi; and Watanabe, Tsuyoshi, 4,812,974, Cl. 364-200.000.
Wada, Kenichi, 4,827,402, Cl. 364-200.000.
Wada, Takeshi; Kita, Hisanao; Karatsu, Yoshinori; and Akutsu, Yoji, 4,794,688, Cl. 29-599.000.
Wakabayashi, Manabu; Sampei, Tohru; Kanai, Hiroshi; Satoo, Tomiyoshi; Nagano, Yosuke; Sonobe, Takeo; and Utsugi, Isao, 4,796,140, Cl. 360-133.000.
Wakasa, Fumio, 4,873,601, Cl. 361-64.000.
Wakayama, Satoshi; Yokoyama, Ichiro; Tanaka, Kazuaki; Kamegi, Yoshito; Tokunaga, Mikihiko; Kamoshida, Takeshi; and Yoneda, Shigeru, 4,833,597, Cl. 364-200.000.
Wakita, Shoichi; and Hirasawa, Shigemi, 4,857,795, Cl. 313-402.000.
Washio, Katsuyoshi; Nakamura, Tohru; Nakazato, Kazuo; Horiuchi, Masatada; and Hayashida, Tetsuya, 4,887,145, Cl. 357-59.000.
Watanabe, Atsuo; Nagano, Takahiro; Ikeda, Takahide; Momma, Naohiro; and Saito, Ryuichi, 4,862,240, Cl. 357-42.000.
Watanabe, Hideo, 4,798,921, Cl. 200-144.00B.
Watanabe, Hiroshi; Miura, Osamu; Miyazaki, Kunio; Numata, Shunichi; and Otsuka, Kanji, 4,886,573, Cl. 156-643.000.
Watanabe, Isato; Yamamoto, Shigehiko; Taguchi, Sadanori; and Sasaki, Susumu, 4,855,637, Cl. 313-346.00R.
Watanabe, Kazuo; Furihata, Makoto; and Yamazaki, Kouichi, 4,841,484, Cl. 365-190.000.
Watanabe, Masaya; and Abe, Shuichi, 4,816,991, Cl. 364-200.000.
Watanabe, Ryuji; Andoh, Hisashi; Iwashita, Kiyoji; and Shimizu, Kinko, 4,836,978, Cl. 419-10.000.
Watanabe, Takao; Kitukawa, Goro; Hori, Ryoichi; Itoh, Kiyoo; Kawajiri, Yoshiki; and Kawahara, Takayuki, 4,837,462, Cl. 307-446.000.
Watanabe, Toshimitsu; and Sato, Kenji, 4,810,939, Cl. 315-371.000.
Watanabe, Toshinori; Haruna, Koichi; Motoyama, Hiroshi; Nishigaki, Toru; Sasaki, Koji; Yakata, Teruo; and Watanabe, Yoshitaka, 4,890,227, Cl. 364-300.000.
Watanuki, Kiyoshi; and Takizawa, Kazuyoshi, 4,808,891, Cl. 315-411.000.
Watanuki, Kiyoshi; and Nakamura, Yoichi, 4,827,193, Cl. 315-371.000.
Watatani, Yoshizumi; and Ito, Shigeyuki, 4,843,488, Cl. 360-19.100.
Yabe, Ryohei; and Matsushita, Hajime, 4,810,869, Cl. 250-201.000.
Yabusaki, Masao; Yamamoto, Etsuji; Murakami, Yoshiki; and Kohno, Hideki, 4,825,163, Cl. 324-318.000.
Yagi, Yasuomi, 4,862,749, Cl. 73-650.000.
Yaginuma, Kenji; Sawahata, Youichi; and Suenobu, Tadayuki, 4,864,716, Cl. 29-596.000.
Yajima, Yusuke; and Tsujii, Kanji, 4,887,037, Cl. 324-316.000.
Yamada, Masamichi; Kurebayashi, Masaaki; Saito, Masakatsu; Yanagihara, Hitoshi; Konishi, Katsuo; and Tsuchiya, Toshio, 4,799,118, Cl. 360-125.000.
Yamada, Osamu, 4,814,682, Cl. 318-640.000.
Yamada, Seiichi; Naitoh, Takashi; Namekawa, Takashi; Ikegami, Akira; Gotoo, Ryoo; and Nishiyama, Toshikazu, 4,816,949, Cl. 360-120.000.
Yamada, Takahiro; Yoshino, Eiji; and Matsuda, Yasumasa, 4,849,909, Cl. 364-519.000.
Yamada, Toshihiro; and Kohno, Akiomi, 4,871,107, Cl. 228-121.000.
Yamagiwa, Akira; and Okabe, Toshihiro, 4,812,684, Cl. 307-480.000.
Yamagiwa, Tokio; and Ishikawa, Toshio, 4,829,256, Cl. 324-557.000.
Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, 4,868,068, Cl. 428-596.000.
Yamaguchi, Kazuo, 4,862,460, Cl. 371-27.000.
Yamaguchi, Tetsuo; Saitou, Setsuo; and Mukushi, Toshimi, 4,828,997, Cl. 435-178.000.
Yamaguchi, Yasunori; and Ishihara, Masamichi, 4,819,213, Cl. 365-233.000.
Yamaguchi, Yasunori; Yoshida, Akirahiko; Nei, Masami; Ishihara, Masamichi; and Yamamoto, Yukio, 4,858,190, Cl. 365-189.050.
Yamamoto, Akihiko; Kohno, Akiomi; Yamada, Toshihiri; Satou, Motohiro; Taguchi, Keiji; and Yokoi, Kazuaki, 4,854,495, Cl. 228-124.000.
Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyanagi, Yoshiro, 4,800,483, Cl. 364-200.000.
Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyana, Yoshiro, 4,870,565, Cl. 364-200.000.
Yamamoto, Etsuji; and Onodera, Takashi, 4,833,408, Cl. 324-309.000.
Yamamoto, Etsuji; Ogura, Yukiko; and Kohno, Hideki, 4,853,636, Cl. 324-309.000.
Yamamoto, Hajime; Gotou, Tadashi; Yamakawa, Masanori; Nakao, Noboru; and Ikeda, Takashi, 4,824,329, Cl. 417-50.000.
Yamamoto, Hideaki; Sasano, Akira; Matsumaru, Haruo; Tanaka, Yasuo; and Tsukada, Toshihisa, 4,855,795, Cl. 357-2.000.
Yamanaka, Katsuhisa; Furukawa, Tokinobu; Shindoh, Hirohiko; Kaneyuki, Yukio; Kinoshita, Takatoshi; and Ishibe, Masahiko, 4,801,433, Cl. 422-228.000.

Yamanaka, Toshiaki; Sakai, Yoshio; Hayashida, Tetsuya; Minato, Osamu; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,805,147, Cl. 365-154.000.

Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamoto, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Moriwaki, Nobuyuki; and Meguro, Satoshi, 4,853,894, Cl. 365-154.000.

Yamanari, Shozo; Horiuchi, Tetsuo; Tominaga, Kenji; Goto, Hiroshi; and Miura, Satoshi, 4,808,369, Cl. 376-282.000.

Yamane, Yasuaki, 4,885,712, Cl. 364-580.000.

Yamashita, Kiichi, 4,806,803, Cl. 307-571.000.

Yamashita, Koujirou; Endo, Stunehiro; Miyashita, Kunio; Kashiwazaki, Susumu; and Iizuka, Kenichi, 4,855,652, Cl. 318-268.000.

Yamashita, Takashi; Shidara, Keiichi; Aiba, Masaaki; Takasaki, Yukio; and Hirai, Tadaaki, 4,860,093, Cl. 358-50.000.

Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Amano, Hisao, 4,855,887, Cl. 363-8.000.

Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Amano, Hisao, 4,878,163, Cl. 363-8.000.

Yamauchi, Yukiji; Tsukamoto, Nobuo; and Koya, Masahiro, 4,881,271, Cl. 455-56.000.

Yamazaki, Eiichi, 4,808,890, Cl. 315-366.000.

Yamazaki, Eiichi, 4,810,928, Cl. 313-441.000.

Yanagisawa, Akira; and Nakamura, Kazumitsu, 4,853,549, Cl. 250-491.100.

Yanagisawa, Shozo; Tamaki, Sigeo; and Ishizawa, Isamu, 4,840,146, Cl. 123-52.0MB.

Yasuda, Koichi, 4,798,552, Cl. 445-64.000.

Yasuda, Koichi; and Kimura, Yoshihiko, 4,802,874, Cl. 445-4.000.

Yasuda, Koichi, 4,820,228, Cl. 445-67.000.

Yasuda, Makoto; Miyashita, Tsune; Murayama, Seiichi; Arai, Yoji; and Yamada, Fuzio, 4,803,406, Cl. 315-174.000.

Yasunobu, Seiji; Miyamoto, Shoji; and Ihara, Hirokazu, 4,852,007, Cl. 364-426.010.

Yatsuda, Yuji; Hagiwara, Takaaki; Kondo, Ryuji; Minami, Shinichi; and Itoh, Yokichi, 4,851,364, Cl. 437-42.000.

Yazawa, Yoshiaki; Kobayashi, Yutaka; Fukami, Akira; and Nagano, Takahiro, 4,819,043, Cl. 357-23.300.

Yokobayashi, Toshiaki; Yabe, Ryohei; and Matsushita, Hajime, 4,812,909, Cl. 358-183.000.

Yokoi, Kazuaki; Yamada, Toshihiro; and Kawamoto, Hiroyuki, 4,795,686, Cl. 429-104.000.

Yokosawa, Koichi; Yamamoto, Etsuji; Nakane, Hideaki; Yabusaki, Masao; and Ogura, Yukiko, 4,875,010, Cl. 324-248.000.

Yokota, Yoshikazu; and Takeda, Hiroshi, 4,845,657, Cl. 364-900.000.

Yokouchi, Hisatake; Maruyama, Masanori; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,809,071, Cl. 358-111.000.

Yokouchi, Hisatake; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,881,124, Cl. 358-111.000.

Yoshida, Isao; Okabe, Takeaki; Ito, Mitsuo; Ashikawa, Kazutoshi; and Iijima, Tetsuo, 4,831,424, Cl. 357-23.130.

Yoshida, Kazufumi; Ishikawa, Tohru; and Nogami, Mikio, 4,843,546, Cl. 364-403.000.

Yoshimatsu, Toshikane; Hagiwara, Yoshiki; Tsuji, Yoshikazu; and Momata, Kazuhiro, 4,843,486, Cl. 360-121.000.

Yoshino, Akira; Hino, Masafumi; and Yasue, Nobuhiro, 4,827,112, Cl. 235-380.000.

Yoshitake, Yasuhiro; Oshida, Yoshitada; Shiba, Masataka; and Nakashima, Naoto, 4,819,033, Cl. 355-53.000.

Yoshizawa, Misuzu; Uomi, Kazuhisa; Kawano, Toshihiro; Ono, Yuichi; and Kajimura, Takashi, 4,800,565, Cl. 372-45.000.

Yuito, Isamu; Moriwaki, Eijin; Shiiki, Kazuo; Hamakawa, Yoshihiro; and Takano, Hisashi, 4,881,144, Cl. 360-125.000.

Yumiyama, Shigeru, 4,879,486, Cl. 310-254.000.

Zushi, Shizuo; Miyamoto, Mitsuo; Gou, Hiroshi; Kobayashi, Fumiyuki; and Ogata, Tetsuo, 4,837,663, Cl. 361-384.000.

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Asada, Seiichi; Sueyoshi, Toshinobu; and Miyake, Akira, 4,874,668, Cl. 428-403.000.

Doi, Hajime; Akai, Norio; and Matsumoto, Fujio, 4,803,584, Cl. 360-133.000.

Fujiwara, Hideo; Sakemoto, Akito; and Inagoya, Osamu, 4,803,578, Cl. 360-105.000

Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; Miyake, Akira; and Norimatsu, Kohji, 4,797,321, Cl. 428-328.000.

Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; and Miyake, Akira, 4,820,565, Cl. 428-64.000.

Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.

Inagoya, Osamu; and Fujiwara, Hideo, 4,866,555, Cl. 360-126.000.

Inagoya, Osamu; Fujiwara, Hideo; Tanaka, Yoshito; and Ohnuki, Takeshi, 4,870,523, Cl. 360-122.000.

Isoe, Noboru; Mizumura, Tetsuo; and Wakai, Kunio, 4,826,739, Cl. 428-695.000.

Kanazawa, Yasunori; Arai, Haruo; and Kuwa, Tadahiro, 4,799,125, Cl. 360-133.000.

Kanazawa, Yasunori; Nakamori, Yoshiyuki; Kuwa, Tadahiro; Fujimoto, Nobuyuki; and Abe, Shinichi, 4,811,151, Cl. 360-133.000.

Kato, Yoshitake; and Maruyama, Hiroshi, 4,831,478, Cl. 360-99.120.

Kato, Yoshitake, 4,839,766, Cl. 360-133.000.

Kato, Yoshitake, 4,849,844, Cl. 360-133.000.

Kato, Yoshitake, 4,851,947, Cl. 360-133.000.

Kato, Yoshitake; and Fujita, Minoru, 4,851,948, Cl. 360-133.000.

Kato, Yoshitake, 4,868,701, Cl. 360-133.000.

Kato, Yoshitake, 4,885,653, Cl. 360-133.000.

Kishimoto, Mikio; Nakazumi, Tetsuya; Kawai, Tomoji; and Kawai, Shichio, 4,803,132, Cl. 428-141.000.

Kitahata, Shinichi; and Kishimoto, Mikio, 4,851,276, Cl. 428-141.000.

Kitakami, Osamu; Fujiwara, Hideo; and Maro, Tsuyoshi, 4,828,919, Cl. 428-336.000.

Kitaoka, Susumu; Andoh, Haruo; and Hirata, Junichi, 4,857,417, Cl. 428-694.000.

Kumada, Akio, 4,868,446, Cl. 310-323.000.

Matsuura, Takeshi; Morioka, Akira; and Takahira, Yoshiyuki, 4,871,606, Cl. 428-147.000.

Miyake, Akira; Nagatani, Hitoshi; Doi, Tsugihiro; Mizushima, Kunio; and Sakemoto, Akito, 4,828,925, Cl. 428-425.900.

Mizutani, Hikaru, 4,875,640, Cl. 242-198.000.

Mizutani, Hikaru; and Maehara, Yoshimi, 4,881,696, Cl. 242-199.000.

Nagai, Ryo; Yoshimitu, Kazumi; Kajita, Kozo; and Odani, Noboru, 4,808,499, Cl. 429-218.000.

Oshima, Toshio; and Ozeki, Tomotaka, 4,864,542, Cl. 365-189.010.

Ozeki, Tomotaka, 4,814,924, Cl. 360-133.000.

Sato, Akihiko, 4,831,482, Cl. 360-132.000.

Shibasaki, Susumu; and Wakai, Kunio, 4,847,109, Cl. 427-8.000.

Shoji, Mitsutoshi; Honjoo, Koo; Honma, Yoshiharu; Nakano, Fumio; and Narahara, Toshikazu, 4,828,924, Cl. 428-422.000.

Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,812,346, Cl. 428-65.000.

Sudo, Ryoichi; Miwa, Hiroaki; Tajima, Tetsuo; and Horigome, Shinkichi, 4,835,027, Cl. 428-64.000.

Sugiyama, Toshinori; Ikegaki, Tetsurou; Shimizu, Mitsuru; and Tuburaya, Yoshitane, 4,876,133, Cl. 428-64.000.

Sumiya, Kenji; Yamamoto, Yoshinori; Aoyama, Shigeo; and Takeuchi, Yoji, 4,830,923, Cl. 428-425.900.

Takeuchi, Yoji; and Sumiya, Kenji, 4,803,125, Cl. 428-411.100.

Tanaka, Yoshito; and Umebayashi, Nobuhiro, 4,875,121, Cl. 360-129.000.

Umebayashi, Nobuhiro; and Tanaka, Yoshito, 4,796,129, Cl. 360-104.000.

Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Ueno, Yoshio, 4,842,965, Cl. 429-56.000.

Wakai, Kunio; Niimi, Hideaki; and Isoe, Noboru, 4,855,175, Cl. 428-148.000.

Yamamoto, Osamu; Sasaki, Shigeo; and Kagano, Shinichi, 4,802,045, Cl. 360-132.000.

Yamano, Minoru; Fujiwara, Hideo; Hayashi, Masaaki; and Naganawa, Nobuhiko, 4,814,920, Cl. 360-122.000.

Yoshimitsu, Kazumi, deceased; Sekido, Shintaro; Kazehara, Kenya; Kajita, Kozo; and Manabe, Toshikatsu, 4,888,255, Cl. 429-101.000.

Hitachi Medical Corporation: *See*—

Horiuchi, Hideyuki; Shimbo, Chiaki; Onodera, Yoichi; and Suzuki, Ryuichi, 4,818,861, Cl. 250-235.000.

Ikeda, Hiroshi; Umemura, Shinichiro; Ishikawa, Shizuo; Katakura, Kageyoshi; Ichikawa, Noriyoshi; and Mitake, Tsuyoshi, 4,803,993, Cl. 128-660.010.

Ikeda, Hiroshi; Umemura, Shinichiro; and Katakura, Kageyoshi, 4,811,740, Cl. 128-660.010.

Ishikawa, Shizuo; Katakura, Kageyoshi; and Ogawa, Toshio, 4,809,703, Cl. 128-661.080.

Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,840,180, Cl. 128-661.080.

Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,850,366, Cl. 128-661.080.

Kaneko, Kazuo; Hatakeyama, Takanobu; Hino, Hirofumi; Umemura, Hideki; and Yamamoto, Kazuo, 4,839,915, Cl. 378-105.000.

Kondo, Shinichi; Katakura, Kageyoshi; Ogawa, Toshio; Umemura, Shin'ichiro; and Ikeda, Hiroshi, 4,841,491, Cl. 367-103.000.

Matsumoto, Goro; and Shimizu, Koichi, 4,802,759, Cl. 356-376.000.

Nakaya, Chitose; Takeuchi, Hiroshi; and Katakura, Kageyoshi, 4,801,835, Cl. 310-358.000.

Ogawa, Toshio; Nishiyama, Hisashi; Katakura, Kageyoshi; and Ishikawa, Shizuo, 4,884,448, Cl. 73-597.000.

Onodera, Yoichi; Horiuchi, Hideyuki; and Shimbo, Chiaki, 4,803,354, Cl. 250-231.0SE.

Shimizu, Hiromu; and Horiba, Isao, 4,817,121, Cl. 378-57.000.

Sugiyama, Takashi; Tamano, Satoshi; and Ito, Yukio, 4,817,619, Cl. 128-661.090.

Takagi, Hiroshi; Goto, Yoshihiro; Sato, Kazuhiro; Okudo, Yoshikazu; and Takiguchi, Osamu, 4,866,612, Cl. 364-413.220.

Takasugi, Wasao; Shinomura, Ryuichi; and Okabe, Takeaki, 4,817,066, Cl. 367-137.000.

Takeuchi, Hiroyuki; and Kishino, Hidenori, 4,804,919, Cl. 324-309.000.

Tamano, Satoshi; Ito, Yukio; Kishimoto, Shinji; and Sato, Yutaka, 4,830,016, Cl. 128-661.090.

Tanaka, Masatoshi, 4,882,495, Cl. 250-363.090.

Yokouchi, Hisatake; Maruyama, Masanori; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,809,071, Cl. 358-111.000.

Yokouchi, Hisatake; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,881,124, Cl. 358-111.000.

Hitachi Metals, Ltd.: *See*—

Asanae, Masumi; and Kumakura, Toshio, 4,865,936, Cl. 430-100.000.

Asanae, Masumi; and Fumio, Kimura, 4,873,540, Cl. 346-160.100.

Dekura, Takateru; and Endo, Juro, 4,871,625, Cl. 428-695.000.

Endo, Juro; Murakami, Shiro; Takada, Yukiharu; and Koike, Yoshiharu, 4,835,640, Cl. 360-103.000.

Furushima, Kiyoshi; Haratoh, Kazunori; and Matsuo, Hideshige, 4,796,671, Cl. 138-140.000.

Gotoh, Ryo, 4,821,131, Cl. 360-103.000.

Hatanaka, Koji; Maruta, Kenzi; and Suwabe, Hirohisa, 4,874,923, Cl. 219-270.000.

Ishihara, Yasuoki; Obato, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,687, Cl. 420-13.000.

Maruta, Kenji; Suwabe, Hiroshi; Ogasawara, Sachio; Masaka, Mitusuke; and Hatanaka, Koji, 4,810,853, Cl. 219-270.000.

Nakajima, Shin; Yamauchi, Kiyotaka; and Shimoe, Osamu, 4,811,187, Cl. 363-25.000.

Nakajima, Shin; and Yamauchi, Kiyotaka, 4,827,214, Cl. 324-222.000.

Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.

Ohno, Takehiro; and Watanabe, Rikizo, 4,802,934, Cl. 148-404.000.

Onda, Kenichi; Matsuda, Yasuo; Abe, Kojin; Iwafuji, Yasunori; Aoyama, Hiroyuki; and Yoshinaka, Hideo, 4,858,096, Cl. 363-22.000.

Shibata, Ryoichi; and Kasakoshi, Toshiyuki, 4,874,927, Cl. 219-469.000.

Shibata, Ryoichi; Kinugawa, Kiyoshi; Iimura, Tsutomu; and Sawano, Yasuo, 4,888,464, Cl. 219-216.000.

Shimizu, Motoharu; Minegishi, Masayoshi; Yamada, Nobuyuki; and Kobayashi, Kohji, 4,820,592, Cl. 428-692.000.

Shimizu, Motoharu, 4,888,512, Cl. 310-156.000.

Suenaga, Makoto; and Obata, Fumio, 4,807,728, Cl. 188-260.000.

Suenaga, Makoto; Obata, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,688, Cl. 420-22.000.

Takeda, Shigeru; and Makio, Satoshi, 4,865,429, Cl. 350-375.000.

Tokunaga, Masaaki; Kogure, Hiroshi; Meguro, Noriaki; and Hagi, Chitoshi, 4,814,139, Cl. 419-12.000.

Tokunaga, Masaaki; Uchida, Kimio; and Hiraki, Akitoshi, 4,837,109, Cl. 420-83.000.

Tokunaga, Masaaki; Endoh, Minoru; Meguro, Noriaki; and Tanigawa, Shigeho, 4,888,068, Cl. 148-104.000.

Torino, Mitsuhiro; and Yamashita, Keitaro, 4,814,819, Cl. 355-3.0FU.

Tsuchiya, Kazuhiro; Nishiyama, Toshikazu; and Tomishima, Hiroshi, 4,805,059, Cl. 360-125.000.

Tsukada, Yasuo; and Hara, Hisao, 4,808,490, Cl. 428-699.000.

Uchida, Norimasa, 4,880,461, Cl. 75-238.000.

Umehara, Teruo; Daicho, Hiroyuki; and Taketomi, Seiki, 4,888,506, Cl. 310-13.000.

Wyman, John E., 4,855,079, Cl. 252-62.520.

Yamauchi, Kiyotaka; Yoshizawa, Yoshihito; and Nakajima, Shin, 4,871,925, Cl. 307-106.000.

Yano, Mitsuru; Hiramatsu, Hajime; and Takaki, Hiroshi, 4,834,550, Cl. 374-57.000.

Yoshizawa, Yoshihito; Yamauchi, Kiyotaka; and Oguma, Shigeru, 4,881,989, Cl. 148-302.000.

Hitachi Metals Precision Ltd.: *See*—

Ishikawa, Katsuhisa; Yamamoto, Ryoji; and Tsukahara, Takayuki, 4,832,908, Cl. 420-95.000.

Hitachi Microcomputer Engineering, Ltd.: *See*—

Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.

Kabata, Eiki; Shintani, Yooichi; Shonai, Tohru; and Takeuchi, Shigeo, 4,831,515, Cl. 364-200.000.

Maeo, Hiroyuki; Tachiuchi, Tsuguji; Kinugawa, Kiyoshige; and Tanaka, Shinji, 4,855,728, Cl. 340-805.000.

Nishiyama, Tamotsu; Watanabe, Toshinori; Horie, Noboru; Furihata, Makoto; Kominami, Yasuo; and Mori, Fumihiko, 4,803,636, Cl. 364-491.000.

Ogura, Setsuo; Kamegaki, Kazuyuki; Yamazaki, Kouichi; Miyazaki, Hideo; Kitamura, Yukinori; and Mayuzumi, Shirou, 4,857,987, Cl. 357-45.000.

Ohata, Hideo; Yoshihara, Ikuo; Takahashi, Yasuyuki; and Ishida, Masahiro, 4,817,032, Cl. 364-200.000.

Okuyama, Kousuke; Uchida, Ken; Kusuyama, Kouichi; Meguro, Satoshi; Katto, Hisao; and Komori, Kazuhiro, 4,818,716, Cl. 437-49.000.

Sato, Nobuyuki; Ujiie, Kazuaki; Terasawa, Masaaki; and Nabetani, Shinji, 4,881,201, Cl. 365-189.090.

Shinoda, Takashi; Sakai, Kikuo; Ogata, Masahiro; Kawamoto, Hiroshi; Onishi, Yoshiaki, deceased; and Onishi, Junko, administratrix, 4,839,860, Cl. 365-104.000.

Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364-490.000.

Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.

Uchiyama, Kunio; Nishimukai, Tadahiko; and Hasegawa, Atsushi, 4,803,616, Cl. 364-200.000.

Yamamoto, Sho; Minato, Osamu; Saeki, Makoto; Yoshitomi, Yasuo; Nakamura, Hideaki; and Kubotera, Masaaki, 4,876,669, Cl. 365-189.010.

Hitachi Microsoftware Systems, Inc.: *See*—

Nonaka, Naomichi; Nakane, Keiichi; Kuwabara, Tadashi; Koreeda, Hiroyuki; Suzuki, Kazunari, and Masuda, Kiyoshi, 4,829,468, Cl. 364-900.000.

Hitachi Nisshin Electronics Co., Ltd.: *See*—

Koizumi, Sachio; and Ishihara, Terutoshi, 4,844,942, Cl. 427-111.000.

Hitachi Powdered Metals Co., Ltd.: *See*—

Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, 4,844,024, Cl. 123-188.500.

Kanamaru, Hisanobu; and Sugaya, Yosimi, 4,829,950, Cl. 123-90.510.

Hitachi Power Engineering Co., Ltd.: *See*—

Teranishi, Mitsuo; Urushidani, Haruo; Toriya, Hajime; and Ebine, Shoji, 4,880,354, Cl. 416-95.000.

Hitachi Process Computer Engineering, Inc.: *See*—

Noguchi, Yasuhiro; Yamada, Hitoshi; and Funyu, Yukio, 4,887.230, Cl. 364-560.000.

Hitachi Seiki Co., Ltd.: *See*—

Kosho, Akira; Matsuki, Hideaki; Shiratori, Hidefumi; Sawada, Shosaku; and Kondo, Yoshitaka, 4,821,402, Cl. 29-568.000.

Hitachi Seiko Ltd.: *See*—

Arai, Kunio; Nishiyama, Hiromi; Aoyama, Hiroshi; and Kanaya, Yasuhiko, 4,872,787, Cl. 408-1.00R.

Kashima, Takayuki; Sakabe, Akira; and Yamanaka, Yoshifumi, 4,876,433, Cl. 219-130.510.

Makino, Toshiyuki; and Yamaguchi, Tsuyoshi, 4,798,920, Cl. 178-19.000.

Saitoh, Kunio; Ohtani, Tamio; and Kanaya, Yasuhiko, 4,867,297, Cl. 198-346.200.

Yamada, Takahiro; Yoshino, Eiji; and Matsuda, Yasumasa, 4,849,909, Cl. 364-519.000.

Hitachi Semi-Conductor Ltd.: *See*—

Sugayama, Shigeru; Kariya, Tadaaki; Shimura, Tatsuo; and Tomita, Sigeo, 4,833,587, Cl. 363-96.000.

Hitachi Service Engineering, Ltd.: *See*—

Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.

Hitachi Software Engineering Co., Ltd.: *See*—

Kakumoto, Shigeru; Sumi, Tatsuo; and Kurisu, Tetsuo, 4,841,443, Cl. 364-413.010.

Kurokawa, Yuji; Kikukawa, Hiroyuki; Shimizu, Hiroshi; and Inagi, Tsutomu, 4,849,908, Cl. 364-518.000.

Masimo, Tamon; Kanazawa, Hiroshi; Masuzaki, Hidefumi; and Ito, Satoshi, 4,831,368, Cl. 340-720.000.

Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364-490.000.

Hitachi Techno Engineering Co., Ltd.: *See*—

Mishina, Haruo; Yamada, Yukio; Mukai, Noriaki; and Takahashi, Yushi, 4,809,443, Cl. 34-73.000.

Hitachi Tobu Semiconductor, Ltd.: *See*—

Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.

Hitachi Tokyo Electronics Co., Ltd.: *See*—

Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.

Hitachi Video Engineering, Inc.: *See*—

Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto, Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.

Hattori, Osamu; Gotoh, Toshihiko; and Tanno, Kohtarou, 4,862,193, Cl. 346-76.0PH.

Hikita, Mitsutaka; Saigo, Yoichi; and Kurosawa, Kazuhito, 4,803,449, Cl. 333-193.000.

Itoh, Shigeyuki; Watatani, Yoshizumi; and Tsunoka, Akitoshi, 4,825,305, Cl. 360-8.000.

Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.

Murakami, Toshio; Azumi, Takashi; Sakurai, Hiroshi; Maruyama, Takesuke; and Todaka, Yoshihiro, 4,842,387, Cl. 350-429.000.

Noda, Tsutomu; Shirosugi, Takatoshi; Hotta, Nobutaka; and Okuda, Akihide, 4,882,725, Cl. 370-11.000.

Ohashi, Shinichi; and Fukushima, Isao, 4,847,742, Cl. 363-21.000.

Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.

Sekiya, Hiroshi; Arai, Ikuya; and Muraia, Toshinori, 4,870,490, Cl. 358-158.000.

Tachiuchi, Tsuguji; Konuma, Satoshi; and Tsuchiya, Nobuo, 4,839,739, Cl. 358-282.000.

Hitachi VLSI Engineering Corp.: *See*—

Ishii, Kyoko; Yanagisawa, Kazumasa; and Muranaka, Masaya, 4,807,190, Cl. 365-189.000.

  - Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, 4,809,206, Cl. 364-724.010.
  - Konno, Chisato; Umetani, Yukio; Hirayama, Hiroyuki; and Ohta, Tadashi, 4,819,161, Cl. 364-300.000.
  - Kuwahara, Hiroshi; Shibukawa, Masaru; and Izumita, Yuji, 4,835,773, Cl. 371-8.000.
  - Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Moriuchi, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.
  - Miwa, Hideo; Tsuruoka, Kazuhiro; Yamauchi, Koudou; Endoh, Hitoshi; and Odaka, Masanori, 4,879,681, Cl. 365-189.010.
  - Miyamoto, Takanori; Nakabayashi, Sumie; Suzuki, Yoshiro; Kondo, Kazuhiro; and Niina, Shinichi, 4,864,608, Cl. 379-409.000.
  - Muranaka, Masaya; Matsuura, Hiromi; Kenmizaki, Kanehide; and Okayama, Osamu, 4,849,939, Cl. 365-200.000.
  - Nagai, Kenji; Yamashita, Masayuki; Kanagawa, Masafumi; Sato, Mitsumasa; and Ito, Tsuneo, 4,833,474, Cl. 341-166.000.
  - Sato, Yoichi, 4,888,737, Cl. 365-203.000.
  - Shiraishi, Yoichi; Sakemi, Junya; Ono, Kunio; and Naka, Ichiro, 4,888,299, Cl. 437-51.000.
  - Yamaguchi, Yasunori; Yoshida, Akirahiko; Nei, Masami; Ishihara, Masamichi; and Yamamoto, Yukio, 4,858,190, Cl. 365-189.050.
- Hitachi, Yuzo, to Usui Kokusai Sangyo Kabushiki Kaisha. Method for manufacturing the metallic carrier base material for maintaining a catalyst for exhaust gas purification. 4,853,360, 8-1-89, Cl. 502-439.000.
- Hitachi, Yuzo; and Serizawa, Haruo, to Usui Kokusai Sangyo Kabushiki Kaisha. Method for manufacturing the metallic carrier base material for maintaining a catalyst for exhaust gas purification. 4,857,500, 8-15-89 Cl. 502-439.000.
- Hitachi Zosen Corporation: *See—*
  - Furukawa, Tetsuro; Yoshikawa, Kensuke; Mizuuchi, Mitsuru; Furutera, Masaharu; Sakabata, Nobuharu; Matsushita, Yoshiaki; Muto, Tomoyoshi; and Umeda, Tatsuhiko, 4,805,419, Cl. 62-476.000.
  - Kobayashi, Yoshio; Tojo, Chiaki; and Kinoshita, Masayoshi, 4,796,547, Cl. 110-263.000.
- Hitch Lift, Inc.: *See—*
  - Amato, Joseph G., 4,881,864, Cl. 414-543.000.
- Hitch, Robert J.; and Holland, Mason P., to W. C. Bradley Company. Modular rotisserie rod assembly. 4,817,514, 4-4-89, Cl. 99-419.000.
- Hitch, Robert J., to W. C. Bradley Company. Duel fuel barbecue grill. 4,819,614, 4-11-89, Cl. 126-36.000.
- Hitchcock, Charles Y., III: *See—*
  - Wulf, William A.; and Hitchcock, Charles Y., III, 4,819,155, Cl. 364-200.000.
- Hitchcock, Gary L.; Thomey, Henry W.; Hodjat, Yahya; Cadarette, Marc R.; and Collins, Dawson M., to Dyneer Corporation. Pulley for poly-v belt. 4,840,607, 6-20-89, Cl. 474-167.000.
- Hitchcock, James E.: *See—*
  - Skinner, Kenneth R.; and Hitchcock, James E., 4,802,010, Cl 358-166.000.
- Hitchcock, Leonard J., to International Business Machines Corp. Full bridge power converter circuit. 4,860,189, 8-22-89, Cl. 363-132.000.
- Hitchcock, Robert W., to Revere Corporation of America. Load sensing structure for weighing apparatus. 4,848,493, 7-18-89, Cl. 177-211.000.
- Hitchman, Michael: *See—*
  - Hagerlid, Peter K.; Hitchman, Michael; Jacobson, Gunilla M. C.; and Wheeler, Richard, 4,844,782, Cl. 204-180.100.
- Hitchmough, Geoffrey: *See—*
  - Lapham, David J.; and Hitchmough, Geoffrey, 4,885,106, Cl. 252-100.000.
- Hitchmough, Peter M.: *See—*
  - Bickerstaff, Alan E.; Collier, Barry J.; Hale, Joseph F.; Hitchmough, Peter M.; Pitts, Ian; Rasul, Ghulam; Saggers, Barry; Smyth, Kevin J.; Stevenson, Duncan; and Stewart, Mark A., 4,870,446, Cl. 355-282.000.
- Hitco: *See—*
  - Petersen, Robert B., 4,833,030, Cl. 428-408.000.
- Hite, Larry R.; Houston, Ted; and Matloubian, Mishel, to Texas Instruments Incorporated. Method of making silicon on insalator material using oxygen implantation. 4,863,878, 9-5-89, Cl. 437-026.000.
- Hitec Co., Ltd.: *See—*
  - Kasai, Minoru; and Nakamura, Minoru, 4,880,105, Cl. 198-465.400.
- HiTech Robotics Ltd.: *See—*
  - Sperduti, Bernard D.; and Cerankowski, James A., 4,798,282, Cl. 198-781.000.
- Hitek-Proteck Systems Incorporated: *See—*
  - Kerr, Reginald J.; and Suo-Anttila, Tapio, 4,829,287, Cl. 340-541.000.
- Hitofude, Yoshii: *See—*
  - Chikamune, Kaoru; Tokuda, Manabu; Inoue, Kazuo; Utsunomiya, Kyoshi; and Hitofude, Yoshii, 4,877,456, Cl. 106-270.000.
- Hitomi, Hisakazu, to Kabushiki Kaisha Toshiba. Time constant automatic adjustment circuit for a filter circuit. 4,851,719, 7-25-89, Cl. 307-521.000.
- Hitomi, Hisakazu, to Kabushiki Kaisha Toshiba. Filter circuit. 4,855,627, 8-8-89, Cl. 307-520.000.
- Hitomi, Mitsuo; Hinatase, Fumio; and Umezono, Kazuaki, to Mazda Motor Corporation. Exhaust device for internal combustion engine. 4,813,232, 3-21-89, Cl. 60-313.000.
- Hitomi, Mitsuo; Okazaki, Katsumi; Sasaki, Junso; and Yuzuriha, Yasuhiro, to Mazda Motor Corp. Intake system for multiple-cylinder engine. 4,829,941, 5-16-89, Cl. 123-52.0ML.
- Hitomi, Mitsuo; Yamashita, Akinori; Hattori, Toshihiko; and Yuzuriha, Yasuhiro, to Mazda Motor Corporation. Intake system for multiple-cylinder engine. 4,846,117, 7-11-89, Cl. 123-52.0MV.
- Hitomi, Mitsuo; Yuzuriha, Yasuhiro; Hattori, Toshihiko; and Yamashita, Akinori, to Mazda Motor Corporation. Intake system for multiple-cylinder engine. 4,889,082, 12-26-89, Cl. 123-52.00M.
- Hitomi, Mitsuo: *See—*
  - Hashimoto, Noboru; Hitomi, Mitsuo; Onishi, Koji; Yada, Yoshikuni; Nobumoto, Hidetoshi; and Hotate, Makoto, 4,875,455, Cl. 123-568.000.
- Hitomi, Nakano: *See—*
  - Kohtaroh, Fujita; Toshio, Wachi; and Hitomi, Nakano, 4,830,731, Cl. 208-113.000.
- Hitomi, Nobuteru: *See—*
  - Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takatori, Kazuhiro, 4,887,461, Cl. 73-118.100.
- Hitomi, Shinichi, to Howa Machinery, Ltd. Tool change apparatus for machining center and the like. 4,817,267, 4-4-89, Cl. 29-568.000.
- Hitomi, Teiichi: *See—*
  - Shimizu, Etsuo; Kotera, Noboru; Onogi, Shinichi; and Hitomi, Teiichi, 4,839,243, Cl. 428-690.000.
- Hitomi, Yasuhiro, to Shimano Industrial Company Limited. Fishing reel. 4,874,140, 10-17-89, Cl. 242-223.000.
- Hitosugi, Naoki: *See—*
  - Matsunami, Hidenobu; Tsuruda, Takahiro; Hitosugi, Naoki; and Hirukawa, Yoshinori, 4,880,644, Cl. 426-46.000.
- Hitotsuya, Koretoshi: *See—*
  - Katayama, Takaaki; Ishii, Shiro; Hitotsuya, Koretoshi; and Kubota, Hachiro, 4,816,194, Cl. 264-16.000.
- Hitotsuya, Masaki: *See—*
  - Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
  - Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.
- Hitotsuyanagi, Hajime: *See—*
  - Sawada, Kazuo; Hitotsuyanagi, Hajime; and Ohkura, Kengo, 4,842,366, Cl. 350-96.300.
- Hitt, Franz A. System for treating heavy hydrocarbon-water mixture. 4,814,044, 3-21-89, Cl. 196-98.000.
- Hittich, Reinhard: *See—*
  - Eidenschink, Rudolf; Krause, Joachim; Hittich, Reinhard; Poetsch, Eike; Scheuble, Bernhard; Weber, Georg; and Pohl, Ludwig, 4,882,082, Cl. 252-299.610.
  - Hopf, Reinhard; Scheuble, Bernhard; Wachtler, Andreas; Hittich, Reinhard; Eidenschink, Rudolf; Geelhaar, Thomas; Krause, Joachim; and Reiffenrath, Volker, 4,886,620, Cl. 252-299.610.
  - Krause, Joachim; Wachtler, Andreas; Reiffenrath, Volker; Scheuble, Bernhard; and Hittich, Reinhard, 4,820,839, Cl. 544-316.000.
  - Pohl, Ludwig; Scheuble, Bernhard; Hittich, Reinhard; Eidenschink, Rudolf; Kurmeier, Hans A.; and Wachtler, Andreas, 4,846,998, Cl. 252-299.630.
  - Sage, Ian C.; Chambers, Michael K.; Hittich, Reinhard; and Weber, Georg, 4,886,621, Cl. 252-299.610.
- Hittite Microwave Corporation: *See—*
  - Ayasli, Yalcin, 4,801,901, Cl. 333-1.000.
- Hittler, Kurt, to Grayling Industries, Inc. Method and apparatus for hazardous material containment and disposal. 4,852,687, 8-1-89, Cl. 182-129.000.
- Hittler, Kurt D., to Grayling Industries, Inc. Method of removing hazardous material. 4,872,252, 10-10-89, Cl. 29-426.400.
- Hitze, Reiner: *See—*
  - Burkhardt, Rudolf; Hass, Hansjurgen; Hitze, Reiner; and Zoche, Gunther, 4,822,420, Cl. 106-74.000.
- Hitzeman, Ronald; and Carbon, John A., to U.C. Regents. Eukaryotic vectors and plasmids having PGK regulatory signals. 4,865,989, 9-12-89, Cl. 435-320.000.
- Hitzeman, Ronald A.; Levinson, Arthur D.; and Yansura, Daniel G., to Genentech, Inc. Preparation of hepatitis b surface antigen in yeast. 4,803,164, 2-7-89, Cl. 435-68.000.
- Hitzig, Geoffrey. Means for preventing air leakage through window sash interlock. 4,802,308, 2-7-89, Cl. 49-406.000.
- Hitzky, Leo J., to Goodyear Tire & Rubber Company, The. Noise control techniques for tires employing three different size design cycles. 4,823,853, 4-25-89, Cl. 152-209.00R.
- Hitzky, Leo J.: *See—*
  - Goergen, Rene ; Hitzky, Leo J.; Miller, Frederick W.; Galante, Richard L.; Waibel, Terry J.; Kolowski, Michael A.; and Hopkins, William M., 4,823,855, Cl. 152-209.00R.
- Hitzler, Alfred, to Venta Industrieanlagen GmbH. Appliance for purifying and/or humidifying and dehumidifying gases, especially air. 4,829,781, 5-16-89, Cl. 62-311.000.
- Hitzman, Donald O., to Phillips Petroleum Company. Production of methane by anaerobic fermentation of waste materials. 4,798,801, 1-17-89, Cl. 435-313.000.
- Hiu, Stephen F.: *See—*
  - Yang, Huei-Hsiung; Hiu, Stephen F.; and Harris, John L., 4,859,597, Cl. 435-239.000.
- Hivessy, Geza: *See—*
  - Bergmann, Gyorgy; Csaba, Gabor; and Hivessy, Geza, 4,881,596, Cl. 165-174.000.
- Hiwada, Kiyoyasu: *See—*
  - Tamamura, Toshio; Hoshika, Akira; and Hiwada, Kiyoyasu, 4,833,403, Cl. 324-158.00R.
- Hiwasa, Shyoichi: *See—*
  - Ohiwa, Yoshitaka; Hiwasa, Shyoichi; and Take, Hideo, 4,835,701, Cl. 364-477.000.
- Hiwatashi, Katsumi: *See—*
  - Karakawa, Koichi; Yoshimatsu, Tatsuhiko; Tsuchimoto, Hideyuki; and Hiwatashi, Katsumi, 4,852,484, Cl. 101-170.000.
- Hiwatashi, Osamu: *See—*
  - Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, 4,859,701, Cl. 514-510.000.
- Hiwatashi, Tamotsu, to Kabushiki Kaisha Toshiba. Computer-aided automatic wiring method for semiconductor integrated circuit device. 4,823,276, 4-18-89, Cl. 364-491.000.
- Hix, Jimmy D. Balance enhancing exercise and amusement apparatus. 4,858,914, 8-22-89, Cl. 272-114.000.
- Hix, Veldon M.: *See—*
  - Willard, Miles J.; Arnold, Jane J.; and Hix, Veldon M., 4,879,126, Cl. 426-272.000.
  - Willard, Miles J.; Dayley, Kyle E.; Hix, Veldon M.; and Holm, David A., 4,889,733, Cl. 426-433.000.
  - Willard, Miles J.; Dayley, Kyle E.; Hix, Veldon M.; and Holm, David A., 4,889,737, Cl. 426-550.000.
- Hixon, Charles E., to Cummins Engine Company, Inc. Method and apparatus for retaining roller cone of drill bit. 4,874,047, 10-17-89, Cl. 175-369.000.
- Hiyama, Hirokuni; Watanabe, Katsuhide; Nakajima, Atsushi; and Murakami, Chikara, to National Aerospace Laboratory; Ebara Research Co., Ltd.; and Ebara Corporation. Unstable vibration prevention apparatus for magnetic bearing system. 4,885,491, 12-5-89, Cl. 310-90.500.
- Hiyama, Hisato; Joe, Yukiyasu; Kubota, Shunro; Tanaka, Toshihiko; and Kameda, Takuichi, to Sumitomo Heavy Industries, Ltd.; and Bridgestone, Corp. Tire handling system. 4,829,749, 5-16-89, Cl. 53-538.000.
- Hiyama, Isao: *See—*
  - Ishino, Takashi; Hiyama, Isao; Nagano, Yousuke; Shikamori, Tamotu; Turuta, Shizuo; Kamano, Toshiyasu; and Oshugi, Hiroshi, 4,868,944, Cl. 8-158.000.
- Hiyama, Kunio; Kawakita, Kenji; and Takada, Osamu, to Hitachi, Ltd. Method and system for data transmission. 4,855,995, 8-8-89, Cl. 370-86.000.
- Hiyama, Nobuo: *See—*
  - Tsujimura, Osamu; Arai, Tatsuo; and Hiyama, Nobuo, 4,844,666, Cl. 407-34.000.
- Hiyama, Tamejiro; and Fujita, Makoto, to Sagami Chemical Research Center. 2,2-dimethylcyclopropane-carboxylic acid derivatives. 4,864,052, 9-5-89, Cl. 558-407.000.
- Hiyamizu, Satoshi; and Fujii, Toshio, to Fujitsu Limited. High electron mobility single heterojunction semiconductor devices and methods for production thereof. 4,799,088, 1-17-89, Cl. 357-16.000.
- Hiyamizu, Satoshi: *See—*
  - Ishikawa, Tomonori; Sasa, Shigehiko; and Hiyamizu, Satoshi, 4,833,508, Cl. 357-4.000.
- Hiyoshi, Katsumi: *See—*
  - Sato, Toru; Okazaki, Naoto; and Hiyoshi, Katsumi, 4,812,310, Cl. 424-101.000.
- Hjalmarsson, Lennart, to ABB Stal AB. Energy plant with heat exchanger in a blow-off device for hot gases. 4,838,209, 6-13-89, Cl. 122-4.00D.
- Hjelmstad, Jens F.: *See—*
  - Gjessing, Dag K. T.; and Hjelmstad, Jens F., 4,829,306, Cl. 342-159.000.
  - Gjessing, Dag K. T.; Hjelmstad, Jens F.; and Tonning, Andreas, 4,843,597, Cl. 367-15.000.
- Hjelmstad, Stanely D.: *See—*
  - Clancey, Stephen M.; Hjelmstad, Stanely D.; Lent, Mark S.; and Miller, Michael C., 4,835 405, Cl. 290-1.00A.
- Hjelset, Kurt J., to Den Norske Stats Oljeselskap A.S.; and Liaaen Engineering A.S. Connector device for an underwater pipe system. 4,795,198, 1-3-89, Cl. 285-32.000.
- Hjerppe, Markus: *See—*
  - Henriksson, Torbjorn; Laukia, Kari; Sipila, Heikki; and Hjerppe, Markus, 4,795,273, Cl. 384-97.000.
- Hjipieris, George: *See—*
  - Potter, Christopher M.; and Hjipieris, George, 4,808,912, Cl. 324-58.00B.
- Hjorth, John S. M.: *See—*
  - Arvidsson, Folke L. E.; Carlsson, Per A. E.; Hacksell, Uli A.; Hjorth, John S. M.; Johansson, Anette M.; and Lindberg, Per L., 4,876,284, Cl. 514-657.000.
- Hjortsberg, Arne; Holmstrom, Goran; and Karlsson, Thommy, to Asea Aktiebolag. Coil for arrangement in slots in a stator or rotor of an electrical machine. 4,806,806, 2-21-89, Cl. 310-45.000.
- HJS Enterprises, Inc.: *See—*
  - Scales, Donald F.; and Lambrix, Thomas R., 4,869,018, Cl. 47-33.000.
- HKG Industries, Inc.: *See—*
  - Gordon, Harris K.; Myers, Howard; and Pasquarello, Robert, 4,845,472, Cl. 340-605.000.
- Hlad, Myron. Rod handle. 4,860,483, 8-29-89, Cl. 43-18.100.
- Hladik, Gerald J.: *See—*
  - Anderson, Gary D.; Hladik, Gerald J.; Mosher, Lawrence G.; Ricci, Raymond L.; and Yeh, Henry, 4,868,783, Cl. 364-900.000.
- Hlavacek, Stephen L. Greens repair tool. 4,862,970, 9-5-89, Cl. 172-378.000.
- Hlavaty, David G.; and Kazewych, Bohdan, to General Motors Corporation. Glass stabilizer for vehicle door assembly. 4,827,669, 5-9-89, Cl. 49-436.000.
- Hlavaty, David G., to General Motors Corporation. Glass to sash channel attachment. 4,866,895, 9-19-89, Cl. 52-208.000.
- Hlavaty, Robert J., to Colt Industries Operating Corporation. Combined thread rolling dies. 4,798,070, 1-17-89, Cl. 72-88.000.
- Hlavka, Joseph J.: *See—*
  - Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,808,730, Cl. 549-211.000.
  - Bitha, Panayota; Child, Ralph G.; Hlavka, Joseph J.; and Lin, Yang-I, 4,866,092, Cl. 514-492.000.
  - Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,870,070, Cl. 514-184.000.
  - Child, Ralph G.; Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,880,790, Cl. 514-184.000.
- Hlawatschek, Hartmut; Gelsdorf, Gunter; Bohm, Kurt; and Schubert, Manfred, to Didier-Werke AG; and M.A.N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Furnace hearth. 4,829,538, 5-9-89, Cl. 373-72.000.
- Hlinka, Joseph W., to Bethlehem Steel Corp. Distributor for continuous casting machine. 4,801,056, 1-31-89, Cl. 222-594.000.
- Hlousek, Peter, to Brose Fahrzeugteile GmbH & Co. KG. Crossed-arm window lifter, especially for motor vehicles. 4,843,760, 7-4-89, Cl. 49-351.000.
- Hlousek, Peter: *See—*
  - Hess, Hans-Peter; and Hlousek, Peter, 4,888,916, Cl. 49-352.000.
- HM Electronics, Inc.: *See—*
  - Derhaag, Robert L.; and Kutz, Donald A., 4,815,143, Cl. 381-168.000.
- HMC Patents Holding Co., Inc.: *See—*
  - Bean, Samuel L.; Dulik, Mark D.; and Wilson, Robert J., 4,844,880, Cl. 423-519.000.
  - Schevey, William R., 4,804,464, Cl. 210-96.100.
- Hmelar, Tim: *See—*
  - Derencsenyi, Tibor; and Hmelar, Tim, 4,847,939, Cl. 15-246.000.
- HMW Enterprises, Inc.: *See—*
  - Altland, David J.; and Wyczalkowski, Wojciech R., 4,847,602, Cl. 340-700.000.
- HNS Products, Inc.: *See—*
  - Havenhill, Max L.; Sharp, James B.; and Nichter, Larry W., 4,834,207, Cl. 180-287.000.
- HNU Systems, Inc.: *See—*
  - Driscoll, John N., 4,801,841, Cl. 313-112.000.
  - Driscoll, John N.; and Atwood, Edwards S., 4,842,697, Cl. 204-1.00T.
  - Driscoll, John N.; and Atwood, Edwards S., 4,846,937, Cl. 204-1.00T.
  - Driscoll, John N.; and Atwood, Edwards S., 4,849,058, Cl. 204-1.00T.
- Ho, Benedict C. M.; and Franklin, Gene R., to NCR Corporation. Method and apparatus for reading bar code magnetic ink characters. 4,845,348, 7-4-89, Cl. 235-449.000.
- Ho, Bernard W. K.: *See—*
  - Cheung, Robin W.; Ho, Bernard W. K.; Chen, Hsiang-Wen; and Chan, Hugo W. K., 4,796,081, Cl. 357-71.000.
- Ho, Chin P.: *See—*
  - Hale, Stanley N.; Rak, Thomas; Rowicki, Duane H.; and Ho, Chin P., 4,869,102, Cl. 73-168.000.
- Ho, Chung W.; and Min, B. Y., to Digital Equipment Corporation. Method of forming a multilevel interconnection device. 4,812,191, 3-14-89, Cl. 156-239.000.
- Ho, Chung-Yih; Molnar, Karl J.; and Staver, Daniel A., to General Electric Company. Architecture to implement floating point multiply/accumulate operations. 4,841,467, 6-20-89, Cl. 364-748.000.
- Ho Ho Art & Craft International Co., Inc.: *See—*
  - Liu, Jack W., 4,848,562, Cl. 206-44.110.
- Ho, Hwa-Shan, to NL Industries, Inc. Method of predicting and controlling the drilling trajectory in directional wells. 4,804,051, 2-14-89, Cl. 175-26.000.
- Ho, Hwa-Shan, to NL Sperry-Sun, Inc. Method of predicting the torque and drag in directional wells. 4,848,144, 7-18-89, Cl. 73-151.000.
- Ho, I-Chung. High rise building fire escape/fire fighting and building maintenance system. 4,828,072, 5-9-89, Cl. 182-9.000.
- Ho, I-Chung. Irrigation chemical dispenser. 4,881,568, 11-21-89, Cl. 137-268.000.
- Ho, I-Chung. No-flat tire insert. 4,884,609, 12-5-89, Cl. 152-337.100.
- Ho, I-Chung. High rise building fire escape/fire fighting and building maintenance system. 4,887,694, 12-19-89, Cl. 182-82.000.
- Ho, Jen-Lie: *See—*
  - Chang, Shih-Jeh; Emery, Richard T.; Hakim, Shafik J.; Ho, Jen-Lie; Janssen, Paul E.; and McCullagh, Carol M., 4,818,984, Cl. 340-825.540.
- Ho, Ka-Kee: *See—*
  - Paice, Michael G.; Archibald, Frederick S.; Jurasek, Lubomir; Bourbonnais, Robert E.; and Ho, Ka-Kee, 4,830,708, Cl. 162-72.000.
- Ho, Kit-Fun. Frequency independent information transmission system. 4,809,299, 2-28-89, Cl. 375-48.000.

Ho, Laurence L.: *See—*

Neiss, Edward S.; Stevenson, David; Ho, Laurence L.; Liu, Robert C.; and Suh, John T., 4,804,742, Cl. 530-307.000.

Ho, Ling-Wen: *See—*

Lin, Trong-Goang; Ho, Ling-Wen; Ko, An-Nan, and Perng, Yeong-Ju, 4,876,398, Cl. 568-804.000.

Ho, Loan A.: *See—*

Pham, Ha Q.; and Ho, Loan A., 4,808,692, Cl. 528-89.000.

Ho, May-Kin, to Du Pont de Nemours, E. I., and Company. Assay for carcinoma of breast, colon and ovary. 4,857,452, 8-15-89, Cl. 435-7.000.

Ho, Min-Da, to Union Carbide Corporation. Low NO_x high efficiency combustion process. 4,863,371, 9-5-89, Cl. 431-9.000.

Ho, Paul S.: *See—*

Clabes, Joachim G.; Hahn, Peter O.; Ho, Paul S.; Lefakis, Haralambos; and Rubloff, Gary W., 4,886,681, Cl. 427-38.000.

Ho, Peter P. K.; and Panetta, Jill A., to Eli Lilly and Company. Method of inhibiting superoxide release. 4,863,923, 9-5-89, Cl. 514-443.000.

Ho, Phillman N., to Union Oil Company of California. Extraction of hydrocarbon-containing solids. 4,798,668, 1-17-89, Cl. 208-428.000.

Ho, Phillman N.: *See—*

Coyle, Roy T.; and Ho, Phillman N., 4,839,150, Cl. 423-345.000.

Ho, Quang D.: *See—*

van Swam, Leo F.; Blair, Thomas R.; and Ho, Quang D., 4,879,088, Cl. 376-252.000.

Ho Tai, Henry T.: *See—*

Rissman, Owen R.; and Ho Tai, Henry T., 4,813,907, Cl. 446-175.000.

Ho, Teh C.; McCandlish, Larry E.; Young, Archie R., II, and Osterhuber, Edward J., to Exxon Research and Engineering Company. Cr-promoted hydrotreating catalysts. 4,831,002, 5-16-89, Cl. 502-165.000.

Ho, Teh C.: *See—*

Halbert, Thomas R.; Stiefel, Edward I.; Chianelli, Russell R.; and Ho, Teh C., 4,839,326, Cl. 502-220.000.

Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,812,227, Cl. 208-215.000.

Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; and Pecoraro, Theresa, 4,820,677, Cl. 502-220.000.

Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,824,820, Cl. 502-219.000.

Young, Archie R.; Ho, Teh C.; Jacobson, Allan J.; and Chianelli, Russell R., 4,801,570, Cl. 502-220.000.

Ho, Thanh; and Fattic, Gerald T., to General Motors Corporation. Optical sensor and method of making same. 4,797,549, 1-10-89, Cl. 250-227.000.

Ho, Thoi; and Kao, Che-l, to Dow Chemical Company, The. Process for preparing aromatic polycarbonates. 4,880,897, 11-14-89, Cl. 528-199.000.

Ho, Thoi H.: *See—*

Ogoe, Samuel A.; and Ho, Thoi H., 4,826,900, Cl. 524-126.000.

Ho, Tze H. Illuminated wall vase having removable faces. 4,847,736, 7-11-89, Cl. 362-122.000.

Ho, Wan-Lan. Method of indexing a dictionary and the index system thereof. 4,811,974, 3-14-89, Cl. 283-67.000.

Ho, Winston: *See—*

Stanley, Kerry G.; and Ho, Winston, 4,803,218, Cl. 514-414.000.

Ho, Yau-Kwan: *See—*

Bardos, Thomas J.; Ho, Yau-Kwan; Kasper, Steven J.; and Hughes, Robert G., Jr., 4,882,147, Cl. 424-85.400.

Ho, Ying T. R.; and Blank, Robert G., to American Home Products Corporation. Spray dried ibuprofen. 4,835,188, 5-30-89, Cl. 514-570.000.

Hoadley, Thomas H.: *See—*

Horder, Rodney; Banks, Michael; and Hoadley, Thomas H., 4,842,866, Cl. 424-468.000.

Hoag, David G., to Charles Stark Draper Laboratory, Inc., The. Electromagnetic isolator/actuator system. 4,849,666, 7-18-89, Cl. 310-90.500.

Hoag, George E.: *See—*

Norris, Robert D.; Brown, Richard A.; and Hoag, George E., 4,849,360, Cl. 435-264.000.

Hoagland, Lawrence C.; and Steele, Donald F., to Airxchange, Inc. Rotary heat regenerator. 4,825,936, 5-2-89, Cl. 165-8.000.

Hoagland, Lawrence C.: *See—*

Steele, Donald F.; Hoagland, Lawrence C.; Kyricos, Christopher; and Tolan, Peter, 4,875,520, Cl. 165-10.000.

Hoahansson, Rolf G. R.: *See—*

Larsson, Bertil; Andersson, Erik T.; and Hoahansson, Rolf G. R., 4,812,644, Cl. 250-223.00R.

Hoaki, Hiroshi: *See—*

Chigami, Makoto; Ogihara, Sumio; Hoaki, Hiroshi; Kondo, Tomonobu; and Okamura, Masao, 4,840,823, Cl. 428-35.500.

Hoang, Dat T. Vehicle rear window brake application activated sign raiser. 4,871,995, 10-3-89, Cl. 340-487.000.

Hoang, Duc M.: *See—*

Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandini, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.

Hoare, Percy W.: *See—*

Davies, Robert; Hoare, Percy W.; and Gibson, Peter J., 4,882,553, Cl. 333-26.000.

Hoashi, Akira; Akima, Hideo; Maki, Takao; and Yamaki, Isao, to Fujitsu Limited; and Akebono Brake Industry Co., Ltd. Apparatus for measuring wheel speed for anti-skid control system. 4,811,232, 3-7-89, Cl. 364-426.020.

Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, to Fujitsu Limited; and Akebono Brake Industry Co., Ltd. Anti-skid control system for motor vehicle. 4,825,371, 4-25-89, Cl. 364-426.020.

Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, to Fujitsu Limited. Anti-skid brake control system. 4,870,582, 9-26-89, Cl. 364-426.020.

Hoashi, Akira: *See—*

Shimanuki, Haruki; Miyake, Katsuya; Akima, Hideo; and Hoashi, Akira, 4,797,825, Cl. 364-426.020.

Shimanuki, Haruki; Akima, Hideo; and Hoashi, Akira, 4,807,133, Cl. 364-426.020.

Hoashi, Chikako, to Yugenkaisha Matsubei. Konnyaku products. 4,818,556, 4-4-89, Cl. 426-615.000.

Hoashi, Chikako, to Yugenkaisha Matsubei. Food product with capsules containing meat soap or juice. 4,844,918, 7-4-89, Cl. 426-92.000.

Hoashi, Chikako, to Yugenkaisha Matsubei. Extruder for food. 4,859,165, 8-22-89, Cl. 425-133.100.

Hoashi, Yosiaki: *See—*

Onogi, Nobuyoshi; Shimamoto, Mamoru; Hoashi, Yosiaki; and Tago, Masakazu, 4,807,941, Cl. 303-108.000.

Hob, Peter D.: *See—*

Buchanan, Douglas A.; Callegari, Alessandro C.; Hob, Peter D.; and Lacey, Dianne L., 4,859,253, Cl. 148-33.300.

Hoban, Thomas W.: *See—*

Eisner, William; Hoban, Thomas W.; Klees, Robert M.; and Smith, Richard L., 4,823,139, Cl. 342-15.000.

Hobara, Hidetoshi, to Alps Electric Co., Ltd. Coordinates input device. 4,825,017, 4-25-89, Cl. 178-18.000.

Hobara, Satoshi: *See—*

Ohyama, Hiroshi; Hobara, Satoshi; Tsujimoto, Kazuyuki; and Tanaka, Shouji, 4,822,814, Cl. 514-440.000.

Hobart Corporation: *See—*

Crane, Herbert R.; and Liddell, Margaret G., 4,854,717, Cl. 366-197.000.

Gaccetta, Joseph M.; Bowling, Kinred; Trouteaud, Lee E.; and Whitby, Michael A., 4,805,373, Cl. 53-77.000.

Johnson, Kevin K.; Bruckner, Gerald M.; and Bader, Brian E. 4,813,316, Cl. 83-42.000.

Johnson, Thomas M., 4,802,340, Cl. 62-229.000.

Margraf, Dallas A., 4,827,106, Cl. 219-389.000.

Markley, Richard L.; and Hoblit, Therell D., 4,857,121, Cl. 156-64.000.

Noren, Tore H., 4,872,466, Cl. 134-57.00D.

Savage, James A., 4,813,398, Cl. 126-21.00A.

Swinderman, William J., 4,826,118, Cl. 248-188.900.

Treiber, Fritz F., 4,805,760, Cl. 198-456.000.

Treiber, Fritz F., 4,813,211, Cl. 53-441.000.

Treiber, Fritz F., 4,825,626, Cl. 53-502.000.

Walter, Philip G., 4,855,277, Cl. 503-204.000.

Hobart, James L.: *See—*

Proffitt, William P.; Williams, Gerald H.; Hobart, James L.; and Johnston, Thomas F., 4,864,578, Cl. 372-20.000.

Hobbelt, Hendrik J. H.; Burgemeister, Eduard A.; and Kroon, Theodorus J. P. M., to Research-Vereniging Nededlandse Kleding-En Tricotage-Industrie(RNKT). Process and device for removing the top ply from a stack of plies such as layers of fabric. 4,802,662, 2-7-89, Cl. 271-20.000.

Hobbis, Andrew J.: *See—*

Enright, Philip G.; Hobbis, Andrew J.; and Tapping, Ronald E. 4,872,908, Cl. 75-68.00R.

Hobbs, David G., to ICI Americas Inc. Composition for rodent control. 4,868,206, 9-19-89, Cl. 514-457.000.

Hobbs, Frank W.; and Meek, James L., to Du Pont de Nemours, E. I. and Company. Process for regioselectively preparing phosphorylated inositols and other cyclitols. 4,873,355, 10-10-89, Cl. 558-161.000.

Hobbs, James B.; and Graebel, Jeffrey P., to Honeywell Inc. Configurable memory address decoder for integrated memory circuits with auxiliary memory locations. 4,885,481, 12-5-89, Cl. 307-463.000.

Hobbs, James W., to Phillips Petroleum Company. Constraint control for a compressor system. 4,807,150, 2-21-89, Cl. 364-510.000.

Hobbs, James W., to Phillips Petroleum Company. Molecular weight determination for constraint control of a compressor. 4,825,380, 4-25-89, Cl. 364-499.000.

Hobbs, Kenneth E.: *See—*

Angell, Richard G., Jr.; Michno, Michael J., Jr.; Konrad, John M.; and Hobbs, Kenneth E., 4,804,509, Cl. 264-136.000.

Hobbs, Michael A. Single-handed breast pump. 4,813,932, 3-21-89, Cl. 604-74.000.

Hobbs, Richard E.: *See—*

Nelson, Andrew W.; Hobbs, Richard E.; Deuling, W. John; and Lenton, Charles G., 4,864,581, Cl. 372-46.000.

Hobbs, Simon H.; and Barder, Timothy J., to UOP. Two-stage adsorptive separation process for purifying 2,6 dimethylnaphthalene. 4,835,334, 5-30-89, Cl. 585-831.000.

Hobbs, Taz D. Electric motor brake. 4,857,818, 8-15-89, Cl. 318-762.000.

Hobden, Christian: *See—*

Mok, Chuck K.; Martin, Alain; Hobden, Christian; and Patenaude, Yves, 4,868,575, Cl. 342-373.000.

Hobeg mbH: *See—*

Groher, Manfred; Heit, Werner; Schmittner, Walter; and Warzawa, Wolfgang, 4,857,359, Cl. 427-6.000.

Hobel, Peter: *See—*

Gumbrecht, Walter; Schelter, Wolfgang; Montag, Bernhard; and Hobel, Peter, 4,841,974, Cl. 128-635.000.

Hoberman, Barry A.; and Moss, William E., to Monolithic Memories, Inc. Programmable logic array using emitter-coupled logic. 4,814,646, 3-21-89, Cl. 307-467.000.

Hoberman, Barry A., to Monolithic Memories, Inc. High speed pointer based first-in-first-out memory. 4,862,419, 8-29-89, Cl. 365-221.000.

Hoberman, Barry A.; and Moss, William E., to Advanced Micro Devices, Inc. ECL programmable logic array with direct testing means for verification of programmed state. 4,864,165, 9-5-89, Cl. 307-467.000.

Hoberman, Barry A.: *See—*

Auvinen, Stuart T.; and Hoberman, Barry A., 4,802,122, Cl. 365-154.000.

Hoberman, Max. Automatic infrared microorganism detection instrument. 4,889,992, 12-26-89, Cl. 250-343.000.

Hobes, John; Payer, Wolfgang; and Bexten, Ludger, to Ruhrchemie Aktiengesellschaft. Copolymers of ethylene and 2,4,4-trimethylpentene-1. 4,883,853, 11-28-89, Cl. 526-329.000.

Hobi, Gunther, to Zellweger Uster AG. Gate control circuit for a GTO thyristor. 4,868,731, 9-19-89, Cl. 363-54.000.

Hoblit, Louis D.: *See—*

Beale, Alvin F., Jr.; and Hoblit, Louis D., 4,806,227, Cl. 208-22.000.

Sanders, John H.; Hoblit, Louis D.; and Mann, Joe A., 4,835,056, Cl. 428-379.000.

Hoblit, Therell D.: *See—*

Markley, Richard L.; and Hoblit, Therell D., 4,857,121, Cl. 156-64.000.

Hobo, Nobuhito: *See—*

Nakamura, Tetsuya; Hobo, Nobuhito; Masuda, Akira; and Shinoda, Kazuo, 4,825,373, Cl. 364-431.050.

Hobo, Yoshihiro: *See—*

Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.

Hobot, Christopher M.: *See—*

Coury, Arthur J.; Hobot, Christopher M.; and Carlson, Kurt, 4,873,308, Cl. 528-75.000.

Coury, Arthur J.; and Hobot, Christopher M., 4,883,854, Cl. 528-28.000.

Hobrock, Lowell M.; Garvin, Hugh L.; Withrington, Roger J.; and Wellman, Clarke T., to Hughes Aircraft Company. Method for fabrication of low efficiency diffraction gratings and product obtained thereby. 4,828,356, 5-9-89, Cl. 350-162.170.

Hobrock, Lowell M.: *See—*

Soloski, Steven C.; and Hobrock, Lowell M., 4,829,162, Cl. 219-522.000.

Hobson, David: *See—*

Flatley, Robert; and Hobson, David, 4,839,587, Cl. 324-158.00F.

Hobson, Donald E.: *See—*

Heine, Charles F.; Barnholt, Mark C.; Hobson, Donald E.; and Pifer, Richard L., 4,795,403, Cl. 464-77.000.

Hobson, J. Allan; Mamelak, Adam; Helfand, Rita; and Lavie, Peretz, to President & Fellows of Harvard College. Electronic sleep monitor headgear. 4,836,219, 6-6-89, Cl. 128-782.000.

Hobson, James: *See—*

Moberg, Gary; and Hobson, James, 4,844,114, Cl. 137-115.000.

Hobson, Michael A. Light-weight multi-layer insulating enclosure. 4,871,597, 10-3-89, Cl. 428-36.100.

Hobson, Michael J. Combined trolley and seat unit. 4,846,486, 7-11-89, Cl. 280-47.250.

Hobson, Richard S.; and Potter, David, to J. B. Two Corporation. Adjustable width bicycle seat. 4,877,286, 10-31-89, Cl. 297-195.000.

Hobson, Russell, Jr. Split inlet for filter. 4,872,981, 10-10-89, Cl. 210-323.200.

Hocart, Simon J.: *See—*

Coy, David H.; and Hocart, Simon J., 4,803,261, Cl. 530-333.000.

Hocevar, Joseph A., to Donn Incorporated. Suspension ceiling grid tee. 4,817,357, 4-4-89, Cl. 52-732.000.

Hocevar, Joseph A.: *See—*

Bool, George F.; Kelly, Patrick M.; Alvarez, Dennis A.; Sauer, Gale; and Hocevar, Joseph A., 4,881,355, Cl. 52-738.000.

Hoch, Alfred H. Cultivator. 4,815,778, 3-28-89, Cl. 294-55.500.

Hoch, Dietrich: *See—*

Konrad, Eugen; Mager, Herbert; and Hoch, Dietrich, 4,855,130, Cl. 424-70.000.

Lang, Gunther; Maresch, Gerhard; Lenz, Hans-Rudi; Konrad, Eugen; Ereuer, Lothar; and Hoch, Dietrich, 4,845,204, Cl. 536-20.000.

Hoch, Forest M.: *See—*

Portell, Rufus J.; and Hoch, Forest M., 4,795,100, Cl. 239-734.000.

Hoch, Helmut: *See—*

Helwig, Reinhard; and Hoch, Helmut, 4,824,608, Cl. 260-355.000.

Helwig, Reinhard; and Hoch, Helmut, 4,882,095, Cl. 552-279.000.

Hoch, Paul-Gerhard: *See—*

Jacob, Werner; and Hoch, Paul-Gerhard, 4,834,560, Cl. 384-461.000.

Olschewski, Armin; Schlereth, Armin; and Hoch, Paul-Gerhard, 4,860,605, Cl. 74-99.00R.

Hoch, Peter: *See—*

Uhde, Dietmar; Gleim, Gunt[illegible]; Sch[illegible]ndl, Hartmut; Hoch, Peter; and Lehmann, Rudiger, 4,803,408, Cl. 318-254.000.

Hoch, Robert, to Brehk Ventures. Method and apparatus for filtering solid particulate matter from diesel engine exhaust. 4,864,821, 9-12-89, Cl. 60-274.000.

Hochart, Paul; Pagnucco, Gilbert; Bertrand, Marceau; and Bertrand, Alain, to Boussois S.A. Device for fixing a window-pane on a rigid frame. 4,853,520, 8-1-89, Cl. 219-535.000.

Hochberg, Jerome, to Du Pont de Nemours, E. I., and Company. Recovery of silver from photographic film with high shear and caustic. 4,799,954, 1-24-89, Cl. 75-118.00P.

Hochberger, Jurgen; and Ell, Christian, to Messerschmitt-Bolkow-Blohm GmbH. Guiding probe. 4,807,596, 2-28-89, Cl. 128-4.000.

Hochfeld, Stanley, to Holtz, Leonard. Device for opening a wrapped roll of coins. 4,852,255, 8-1-89, Cl. 30-102.000.

Hochfeld, Stanley, to Holtz, Leonard. Method for opening a wrapped roll of coins. 4,858,805, 8-22-89, Cl. 225-2.000.

Hochgatterer, Franz: *See—*

Weber, Alfred; Aglas, Johann; and Hochgatterer, Franz, 4,836,510, Cl. 266-142.000.

Hochgraf, Neil A., to Eastman Kodak Company. Bar code reader for reading bar code symbols at different distances. 4,843,222, 6-27-89, Cl. 235-470.000.

Hochhaus, Hermann; and Wilder, Erhard, to Licentia Patent-Verwaltungs-GmbH. Arrangement for checking and indicating the malfunction of a lamp in monitoring and switching systems. 4,808,975, 2-28-89, Cl. 340-641.000.

Hochholzer, Reinhard, to Wilhelm Ruf KG. Rotary potentiometer, especially for use as a rotational position sensor to detect the angular position of a shaft. 4,812,803, 3-14-89, Cl. 338-175.000.

Hochholzer, Reinhard, to Wilhelm Ruf KG. Potentiometer. 4,845,461, 7-4-89, Cl. 338-202.000.

Hochholzer, Reinhard, to Wilhelm Ruf KG. Potentiometer and method of making the same. 4,866,413, 9-12-89, Cl. 338-174.000.

Hochiki Corporation: *See—*

Aria, Yoshio; Akiba, Kouji; and Kitajima, Akira, 4,819,733, Cl. 169-61.000.

Ishii, Hiromitsu; and Yamauchi, Yukio, 4,796,205, Cl. 364-550.000.

Ishii, Hiromitsu; and Ono, Takashi, 4,838,698, Cl. 356-437.000.

Matsushita, Eiji, 4,803,469, Cl. 340-577.000.

Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Tsuji, Toshihide; Miyazaki, Kensuke, and Koyama, Yoshio, 4,801,090, Cl. 239-290.000.

Hochiki Kabushiki Kaisha: *See—*

Akiba, Kouji; Kitajima, Akira; and Arai, Yoshio, 4,800,285, Cl. 250-554.000.

Ishii, Hiromitsu; and Ono, Takashi, 4,871,999, Cl. 340-587.000.

Kawai, Hironobu; and Sawa, Hiroshi, 4,851,819, Cl. 340-630.000.

Saito, Yoshifusa; Nakayama, Hiroshi; Fukui, Hisao; and Matsuoka, Naoya, 4,821,805, Cl. 169-5.000.

Hochkonig, Manfred: *See—*

Hain, Klaus; Hofbauer, August; and Hochkonig, Manfred, 4,830,312, Cl. 244-17.110.

Hochreuther, Karl; and Reichler, Edmund, to Brown, Boveri & Cie AG. Housing with a flexible shock protector for a portable measuring instrument. 4,860,901, 8-29-89, Cl. 206-586.000.

Hochschild, James R., to Texas Instruments Incorporated. Precision switchable gain circuit. 4,855,685, 8-8-89, Cl. 330-282.000.

Hochschild, James R.; and Severin, William A., to Texas Instruments Incorporated. Switched capacitor filter. 4,862,121, 8-29-89, Cl. 333-173.000.

Hochstein, Peter A. Electro-optical windshield moisture sensing. 4,798,956, 1-17-89, Cl. 250-341.000.

Hochstein, Peter A. Redundant and fault tolerant communication link. 4,819,225, 4-4-89, Cl. 370-16.000.

Hochstein, Peter A.: *See—*

Gilliland, B. David, III; Beard, John R.; and Hochstein, Peter A., 4,880,293, Cl. 350-269.000.

Regnier, Bruce E.; and Hochstein, Peter A., 4,846,462, Cl. 272-93.000.

Shih, Kelvin; and Hochstein, Peter A., 4,809,339, Cl. 381-110.000.

Hochstetter, Werner, to Siemens Aktiengesellschaft. Water-driven machine set with the speed reference value set for optimum efficiency. 4,806,781, 2-21-89, Cl. 290-43.000.

Hochstrasser, Denis F., to Bio-Rad Laboratories, Inc. Pre-cast gel systems for two-dimensional electrophoresis. 4,874,490, 10-17-89, Cl. 204-182.100.

Hochstrasser, Robin M.: *See—*

Cornelius, Paul A.; Hochstrasser, Robin M.; Kallenbach, Neville R.; Rubin, Harvey; and Todaro, George J., 4,880,512, Cl. 204-157.610.

Hochstrasser, Walter P.; Roch, Gertrud B.; Venturini, Yves; and Baruffa, Olindo, to Mefina S.A. Ironing press with incorporated sleeve-board. 4,809,450, 3-7-89, Cl. 38-36.000.

Hochtemperatur-Kernkraftwerk GmbH: *See—*

Schweiger, Fritz, 4,801,424, Cl. 376-283.000.

Hochtemperatur-Kernkraftwerk (HKG) Gemeinsames Europaisches Unternehmen: *See—*

Schweiger, Fritz, 4,816,209, Cl. 376-309.000.

Hochtemperatur-Reaktorbau GmbH: *See—*

Becker, Gerhard; Gross, H. Guenter; and Schoening, Josef, 4,847,040, Cl. 376-299.000.

Bodmann, Erik; Denninghoff, Ralf; and Schmidt, Anton, 4,816,212, Cl. 376-381.000.

Dorweiler, Harald; Elter, Claus; Grossert, Franz; Schmitt, Hermann; Rohark, Guenter; and Schoening, Josef, 4,863,672, Cl. 376-226.000.

  Elter, Claus; Hornischer, Edgar; Schmitt, Hermann; and Schoening, Josef, 4,798,700, Cl. 376-338.000.
  Elter, Claus; Hornischer, Edgar; Schmitt, Hermann; Schoening, Josef; and Weicht, Ulrich, 4,830,818, Cl. 376-381.000.
  Handel, Hubert; Schmitt, Hermann; and Schoening, Josef, 4,863,674, Cl. 376-265.000.
  Schoening, Josef, 4,826,652, Cl. 376-273.000.
  Schoening, Josef; Wachholz, Winfried; and Weicht, Ulrich, 4,842,810, Cl. 376-299.000.
Hochtief Aktiengesellschaft Vorm. Gebr. Helfmann: *See—*
  Babendererde, Siegmund; Lah, Gunnar; and Braach, Otto, 4,820,458, Cl. 264-34.000.
  Babendererde, Siegmund; and Braach, Otto, 4,844,656, Cl. 405-144.000.
  Babendererde, Siegmund; Flunker, Hans-Jurgen; Wittneben, Gert; and Braach, Otto, 4,848,963, Cl. 405-144.000.
  Hentschel, Volker; Versteegen, Clemens; Mahmens, Olaf; and Babendererde, Siegmund, 4,854,776, Cl. 405-147.000.
  Hentschel, Volker; Versteegen, Clemens; Gloyer, Jens; and Babendererde, Siegmund, 4,856,936, Cl. 405-145.000.
  Hillemeier, Bernd; Brockmann, Gunter; and Pohl, Richard, 4,804,563, Cl. 427-397.700.
  Hillemeier, Bernd; Brockmann, Gunter; and Pohl, Richard, 4,824,022, Cl. 239-407.000.
Hochuli, Frich: *See—*
  Dobeli, Heinz; and Hochuli, Frich, 4,877,830, Cl. 525-54.300.
Hock, Allan G.: *See—*
  Sousa, John G.; Winey, Calvin M.; Hock, Allan G.; and Lutz, Carl D., 4,870,431, Cl. 346-140.00R.
Hock, Darryl A.: *See—*
  Zboralski, James A.; Hock, Darryl A.; and Kaleita, David L., 4,884,215, Cl. 364-510.000.
Hock, Lothar: *See—*
  Haan, Franz; and Hock, Lothar, 4,875,285, Cl. 29-832.000.
Hock, Reinhard: *See—*
  Braune, Gerhard; and Hock, Reinhard, 4,820,060, Cl. 384-447.000.
Hockaday, Bruce D., to United Technologies Corporation. Inhanced output opto-fluidic device. 4,844,128, 7-4-89, Cl. 137-828.000.
Hockaday, Bruce D.; and Taylor, Kenneth D., to United Technologies Corporation. Optical control system. 4,854,219, 8-8-89, Cl. 91-367.000.
Hockemeyer, Friedrich: *See—*
  Preiner, Gerhard; Hockemeyer, Friedrich; and Burger, Christa, 4,861,807, Cl. 522-99.000.
Hockenberry, Jack K., to Wenger Corporation. Shelving system for musical instrument storage. 4,826,265, 5-2-89, Cl. 312-326.000.
Hockenbery, Paul M. Spanner-wrench. 4,848,195, 7-18-89, Cl. 81-176.200.
Hocker, Eitel-Friedrich: *See—*
  Habicht, Siegfried; Reppert, Rainer; and Hocker, Eitel-Friedrich, 4,879,957, Cl. 109-79.000.
Hocker, Hartwig: *See—*
  Eichenauer, Herbert; Lindner, Christian; Muller, Friedemann; Hocker, Hartwig; and Keul, Helmut, 4,801,632, Cl. 524-37.000.
  Eichenauer, Herbert; Lindner, Christian; Ott, Karl-Heinz; Orth, Peter; and Hocker, Hartwig, 4,826,946, Cl. 528-14.000.
  Eichenauer, Herbert; Hocker, Hartwig; and Heitz, Thomas, 4,859,731, Cl. 524-291.000.
Hocker, Jurgen; Rottmaier, Ludwig; Reinking, Klaus; Kirsch, Jurgen; and Fullmann, Heinz-Josef, to Bayer Aktiengesellschaft. Organic polymers with electrical properties. 4,798,686, 1-17-89, Cl. 252-500.000.
Hocker, Jurgen; Faehndrich, Jurgen; Hespe, Hans; Sirinyan, Kirkor; and Wecker, Dieter, to Bayer Aktiengesellschaft. Process for the production of a composite system of a highly elastic material and a polyurethane foam layer and product formed thereby. 4,820,580, 4-11-89, Cl. 428-314.400.
Hocker, Jurgen: *See—*
  Hassel, Tillmann; Hocker, Jurgen; Heywang, Gerhard; Muller, Hans-Klaus; and Fitzky, Hans G., 4,841,073, Cl. 549-232.000.
Hocker, Lon O.: *See—*
  Vache, John P.; Johnson, Jerry E.; Hocker, Lon O.; and Godley, John H., 4,816,822, Cl. 340-825.150.
Hockett, Alwyn C. Sailing winch and handle therefor. 4,815,709, 3-28-89, Cl. 254-264.000.
Hockiki Corp.: *See—*
  Nakanishi, Tsutomu; Kitajima, Akira; Fuwa, Yoshiaki; and Adachi, Yasaburo, 4,796,018, Cl. 340-691.000.
Hockings, Eric F.: *See—*
  Bloom, Stanley; and Hockings, Eric F., 4,887,009, Cl. 315-368.000.
Hockley, Stephen J., to Action Pumping Services Ltd. Hydropneumatic pumpsets. 4,799,864, 1-24-89, Cl. 417-7.000.
Hocquaux, Michel: *See—*
  Jacquet, Bernard; Hocquaux, Michel; Semeria, Didier; and Saint-Leqer, Didier, 4,803,228, Cl. 514-714.000.
  Jacquet, Bernard; Gaetani, Quintino; and Hocquaux, Michel, 4,826,681, Cl. 424-613.000.
  Lang, Gerard; Forestier, Serge; Hocquaux, Michel; Grollier, Jean-Francois; and Rosenbaum, Georges, 4,888,026, Cl. 8-405.000.
Hoda, Hisashi; Sudo, Satomi; Amaya, Toshiyuki; Siratori, Kuniaki; and Yamada, Takao, to Pioneer Electronic Corporation. Method and apparatus for interactive control of a data recording medium playback apparatus using bar code access. 4,831,610, 5-16-89, Cl. 369-48.000.
Hoda, Takeo: *See—*
  Hata, Yoshiaki; Taniguchi, Nobuyuki; Hoda, Takeo; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,860,039, Cl. 354-106.000.
  Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,829,333, Cl. 354-412.000.
  Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,884,092, Cl. 354-289.100.
  Inoue, Manabu; Taniguchi, Nobuyaki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,115, Cl. 354-289.100.
  Kobayashi, Haruo; Yoshizaki, Akira; Hoda, Takeo; and Kashima, Masataka, 4,853,721, Cl. 354-21.000.
  Ootsuka, Hiroshi; Tominaga, Shinji; Kobayashi, Haruo; Matsushita, Shuzo; Hoda, Takeo; and Mukai, Hiromu, 4,862,206, Cl. 354-414.000.
  Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,812,871, Cl. 354-421.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,814,804, Cl. 354-202.000.
  Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,843,418, Cl. 354-419.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,847,646, Cl. 354-106.000.
  Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,857,953, Cl. 354-475.000.
  Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,860,046, Cl. 354-475.000.
  Taniguchi, Nobuyuki; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; Hoda, Takeo; and Ueda, Hiroshi, 4,862,201, Cl. 354-105.000.
  Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,866,467, Cl. 354-21.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,868,589, Cl. 354-127.100.
  Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,884,089, Cl. 354-222.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,108, Cl. 354-195.100.
Hoda, Yoshihiko; and Ogura, Nobuhiko, to Fuji Photo Film Co., Ltd. Reflection density measuring system. 4,830,503, 5-16-89, Cl. 356-446.000.
Hodak, Frank J. Apparatus and method for draining a swimming pool cover. 4,819,681, 4-11-89, Cl. 137-1.000.
Hodak, Michael L. Swimming pool and method of construction. 4,843,658, 7-4-89, Cl. 4-506.000.
Hodapp, Wolfram: *See—*
  Allgaier, Jurgen; Ganter, Wolfgang; Hodapp, Wolfram; Kopf, Arthur; and Maurer, Roland, 4,860,268, Cl. 368-47.000.
Hodate, Tomoshi; and Nitta, Haruyoshi, to Kashiwa Co., Ltd. Combustion apparatus and method of forcibly circulating a heating medium in a combustion apparatus. 4,830,605, 5-16-89, Cl. 431-170.000.
Hodek, Robert B.; Meier, James A.; Jones, James E.; and Seiner, Jerome A., to PPG Industries, Inc. Multiple pane unit having a flexible spacing and sealing assembly. 4,807,419, 2-28-89, Cl. 52-788.000.
Hoden, Ebbe; and Guggenberger, Erich, to Sunds Defibrator Aktiebolag. Arrangement for removing wrapping wire from bales. 4,831,713, 5-23-89, Cl. 29-564.300.
Hoder, Borivoj: *See—*
  Svoboda, Antonin; Hoder, Borivoj; and Jurny, Josef, 4,848,228, Cl. 101-147.000.
Hodes, Erich; and Goerke, Klaus, to Glyco-Metall-Werke Daelen & Loos GmbH. Composite structural material with diffusion barrier layer, especially for slide and friction members, and method of manufacture. 4,830,933, 5-16-89, Cl. 428-646.000.
Hodes, Erich; and Goerke, Klaus, to Glyco-Metall-Werke Daelen & Loos GmbH. Process for preparation layered composite constructional material, especially for sliding and friction members. 4,832,809, 5-23-89, Cl. 204-192.150.
Hodgdon, Dewey. Chair tilt control mechanism. 4,871,208, 10-3-89, Cl. 297-304.000.
Hodgdon, Russell B.; and Alexander, Samuel S., to Ionics, Incorporated. Novel bipolar membranes and process of manufacture. 4,851,100, 7-25-89, Cl. 204-296.000.
Hodge, Allan M. Apron fastener. 4,850,051, 7-25-89, Cl. 2-52.000.
Hodge, Bobby L.: *See—*
  White, Craig E.; and Hodge, Bobby L., 4,840,600, Cl. 464-111.000.
Hodge, Colin G., to BOC Group, Inc., The. Control unit for intermittent suction system. 4,830,047, 5-16-89, Cl. 137-505.130.
Hodge, James D.: *See—*
  Barringer, Eric A.; Foster, Brian C.; Hodge, James D.; and Lind, Roger S., 4,835,039, Cl. 428-210.000.
  Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark S.; Hodge, James D.; Waack, Richard; Kelley, Donald J.; Saxton, Brian W.; and Gruber, William C., 4,861,646, Cl. 428-210.000.
Hodge, Joseph. Angulated surgical instrument. 4,827,929, 5-9-89, Cl. 128-321.000.
Hodge, Philo B.: *See—*
  Buechele, Alvin W.; Cochran, Thomas J.; and Hodge, Philo B., 4,816,754, Cl. 324-158.00F.
Hodge, Richard M., to Dowell Schlumberger Incorporated. Delayed crosslinker composition. 4,797,216, 1-10-89, Cl. 252-8.551.
Hodge, Richard M., to Dowell Schlumberger Incorporated. Delayed crosslinker composition containing organic titanium complexes and hydroxycarboxylic acids. 4,861,500, 8-29-89, Cl. 252-8.551.
Hodge, Richard M.: *See—*
  Brannon, Harold D.; Hodge, Richard M.; and England, Kevin W., 4,801,389, Cl. 252-8.551.
Hodge, Robert F.: *See—*
  Pidorenko, John; Hoffman, Alan R.; Hodge, Robert F.; and Wang, Wei-Min, 4,856,317, Cl. 73-4.00R.
Hodge, Robert J., to Grace-Lee Products, Inc. Vehicle cleansing method. 4,857,113, 8-15-89, Cl. 134-32.000.
Hodgen, Gary D., to Serono Laboratories, Inc. Method of inducing ovulation. 4,845,077, 7-4-89, Cl. 514-2.000.
Hodgens, Henry M., II; and Cellich, William A., to United Technologies Corporation. Composition for cleaning a gas turbine engine. 4,834,912, 5-30-89, Cl. 252-545.000.
Hodgens, Thomas A.; Lowrie, Amy L.; and Murphy, James R., to Dest Corporation. Proportional spaced text recognition apparatus and method. 4,887,301, 12-12-89, Cl. 382-9.000.
Hodges, C. Wayne; Henderson, Dennis R.; and Koons, Edwin R., to Aerovox M, Inc. Method of forming electrical termination on capacitor tops. 4,841,608, 6-27-89, Cl. 29-25.420.
Hodges, Grant D: *See—*
  Glaeser, William F.; Hodges, Grant D; and Sheppard, David R., 4,863,069, Cl. 222-169.000.
Hodges, John C.; and Klutchko, Sylvester, to Warner-Lambert Company. Process for statine and statine analogs. 4,876,343, 10-24-89, Cl. 544-168.000.
Hodges, John C.: *See—*
  Blankley, C. John; Hodges, John C.; Kiely, John S.; and Klutchko, Sylvester R., 4,812,462, Cl. 514-303.000.
  Blankley, C. John; Hodges, John C.; Kiely, John S.; and Klutchko, Sylvester R., 4,816,463, Cl. 514-293.000.
Hodges, Leslie B.; Charlton, Roger; and Bowen, James H., to Alcatel NA, Inc. Single mode bend insensitive fiber for use in fiber optic guidance applications. 4,838,643, 6-13-89, Cl. 350-96.330.
Hodges, Robert C.: *See—*
  Burgess, Roy T.; Campau, Gregory P.; Claar, Leslie M.; Hodges, Robert C.; Snow, Douglas G.; and Taylor, Roy, 4,862,789, Cl. 92-12.200.
Hodges, Steven E.; and Kern, Mark T., to Santa Barbara Research Center. Universal fire simulator. 4,864,146, 9-5-89, Cl. 250-504.00R.
Hodgetts, Graham L., to Rolflor Industries, Inc. Unloading mechanism for trucks and trailers. 4,842,471, 6-27-89, Cl. 414-515.000.
Hodgetts, Graham L., to Rolflor Industries. Internally mounted drive mechanism for a belt-winding drum. 4,860,965, 8-29-89, Cl. 242-67.10R.
Hodgetts, Michael J.; and McDonald, Charles W. Microwave oven popcorn control. 4,870,238, 9-26-89, Cl. 219-10.55M.
Hodgetts, Michael J.: *See—*
  Spruytenburg, Fred T.; McDonald, Charles; and Hodgetts, Michael J., 4,873,409, Cl. 219-10.55M.
Hodgin, John B.; Sumner, John H.; and Wang, Kenneth Y., to Burlington Industries, Inc. Method vortex action yarn hairiness reduction. 4,858,288, 8-22-89, Cl. 28-178.000.
Hodgins, Robert G.: *See—*
  Yilmaz, Hamza; Wrathall, Robert S.; Chang, Mike F.; and Hodgins, Robert G., 4,795,716, Cl. 437-27.000.
Hodgkins, Charles E.: *See—*
  Chu, Mike S. H.; Hodgkins, Charles E.; and Dean, Terence C., 4,882,305, Cl. 501-138.000.
Hodgkins, David H., to Stanadyne Automotive Corp. Back-to-back fuel filter and water separator. 4,860,713, 8-29-89, Cl. 123-510.000.
Hodgkins, David H.; and Janik, Leon P., to Stanadyne Automotive Corp. Crankcase oil spray nozzle for piston cooling. 4,862,838, 9-5-89, Cl. 123-41.350.
Hodgkins, David H.; and Janik, Leon P., to Stanadyne Automotive Corp. Spray nozzle assembly for piston cooling. 4,876,990, 10-31-89, Cl. 723-41.350.
Hodgkins, Harold M., to Becton, Dickinson and Company. Aspirating device. 4,805,611, 2-21-89, Cl. 128-207.140.
Hodgkins, Douglas H.: *See—*
  Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, 4,884,196, Cl. 364-200.000.
  Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, 4,887,211, Cl. 364-413.130.
Hodgson, Dale; and Stram, John, to American Greetings Corporation. Header for merchandise display fixture and sign assembly therefor. 4,841,654, 6-27-89, Cl. 40-642.000.
Hodgson, Gordon; Broadhead, Douglas G.; and Parent, David J., to AHA Automotive Technologies Corporation. Reduced size transmission tunnel in an automobile and a method for the same. 4,875,538, 10-24-89, Cl. 180-379.000.
Hodgson, James R. T.: *See—*
  Collins, Roger J.; and Hodgson, James R. T., 4,797,036, Cl. 105-224.000.
Hodgson, Peter C. Slow release berley. 4,874,607, 10-17-89, Cl. 424-84.000.
Hodgson, Philip K. G.; and Stewart, Nevin J., to British Petroleum Company p.l.c., The. Preparation of alkoxy halides. 4,798,906, 1-17-89, Cl. 568-614.000.
Hodgson, Philip K. G.; McShea, Julie A.; and Tinely, Edward J., to British Petroleum Company p.l.c., The. Removal of hydrogen sulphide. 4,802,973, 2-7-89, Cl. 208-207.000.
Hodgson, Rodney T.; Jones, Harry J.; Ledermann, Peter G.; Reiley, Timothy C.; and Moskowitz, Paul A., to International Business Machines Corporation. Balltape structure for tape automated bonding, multilayer packaging, universal chip interconnection and energy beam processes for manufacturing balltape. 4,814,855, 3-21-89, Cl. 174-52.400.
Hodgson, Roy: *See—*
  Sweatman, Gerald H.; Hodgson, Roy; and Haste, Robert H., 4,859,411, Cl. 419-23.000.
Hodgson, Susan A.; Park, Jae M.; and Thomas, Richard R., to International Business Machines Corporation. β-diketone-polymer reaction product. 4,868,253, 9-19-89, Cl. 525-533.000.
Hodgson, William J., Jr.; and Middlesworth, Jeffrey A., to Exxon Chemical Patents Inc. Oriented elastomeric film and method of manufacture. 4,820,590, 4-11-89, Cl. 428-516.000.
Hodgson, William J., Jr.: *See—*
  Hazelton, Donald R.; and Hodgson, William J., Jr., 4,804,577, Cl. 428-224.000.
  Hazelton, Donald R.; and Hodgson, William J., Jr., 4,874,447, Cl. 156-167.000.
  Hazelton, Donald R.; Laurent, Douglas J.; Locke, Lawrence K.; and Hodgson, William J., Jr., 4,880,682, Cl. 428-152.000.
Hodgson, William W.; and Watkins, Tom R., to Nutri-Life Foods, Inc. Low calorie high fiber bread. 4,824,683, 4-25-89, Cl. 426-62.000.
Hodjat, Yahya: *See—*
  Hitchcock, Gary L.; Thomey, Henry W.; Hodjat, Yahya; Cadarette, Marc R.; and Collins, Dawson M., 4,840,607, Cl. 474-167.000.
Hodl, Otto; and Klein, Hans J., to De-Sta-Co Metallerzeugnisse Gmbh. Device for actuating tools, in particular, clamping means, subject to the application of pressure. 4,863,150, 9-5-89, Cl. 269-56.000.
Hodlewsky, Wasyly G.; and Schroeder, Roger H., to Rexnord Corporation. Chain link for a product capturing chain. 4,809,846, 3-7-89, Cl. 198-853.000.
Hodlewsky, Wasyly G., to Rexnord Corporation. Wide chain conveyor assembly. 4,858,751, 8-22-89, Cl. 198-834.000.
Hodlewsky, Wasyly G.; and Schroeder, Roger H., to Rexnord Inc. Wide chain conveyor sprocket drive. 4,865,183, 9-12-89, Cl. 198-834.000.
Hodlewsky, William G., to Rexnord Inc. Low backline pressure chain for use with transfer plate. 4,821,869, 4-18-89, Cl. 198-779.000.
Hodlewsky, William G., to Rexnord Corporation. Conveyor chain assembly. 4,858,753, 8-22-89, Cl. 198-853.000.
Hodlmayr, Franz: *See—*
  Gehring, Gerhard; and Hodlmayr, Franz, 4,806,882, Cl. 331-65.000.
Hodogaya Chemical Co., Ltd.: *See—*
  Abe, Toshiyuki; Kikkawa, Katsumasa; Gonda, Michihiro; Sensui, Hideyuki; and Kanasugi, Mikiko, 4,839,334, Cl. 503-221.000.
  Inoue, Hiroshi; Kato, Toshikazu; Otsuru, Masaaki; and Emura, Noriaki, 4,820,801, Cl. 528-388.000.
  Kaneshiki, Toshitaka; Narukawa, Osamu; Haneda, Tadayoshi; and Endo, Toshiyuki, 4,873,383, Cl. 570-211.000.
  Mochida, Ei; Uemura, Akio; Kato, Kazuo; Tokunaga, Hiroki; and Haga, Akinori, 4,839,368, Cl. 514-313.000.
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  Otomo, Kikuo; Yamagushi, Masashi; Ito, Masami; and Tokunaga, Hiroki, 4,798,913, Cl. 570-211.000.
  Otsu, Ichiro; Kanno, Sueo; Sato, Sinichi; and Kondo, Tetsuya, 4,822,924, Cl. 568-812.000.
  Sato, Masatoshi; Ogawara, Kensuke; and Emura, Noriaki, 4,883,702, Cl. 428-141.000.
  Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, 4,831,198, Cl. 570-211.000.
Hodorek, Robert A.; and Schlotterback, Terry D., to Zimmer, Inc. Mechanism and method for locking a bearing insert to the base of a prosthetic implant. 4,795,468, 1-3-89, Cl. 623-18.000.
Hodson, Harold F.; Batchelor, John F.; Selway, John W. T.; Vinter, Jeremy G.; and Iyer, Ramachanderan, to Burroughs Wellcome Co. Chemotherapeutic agents. 4,801,593, 1-31-89, Cl. 514-307.000.
Hodson, Harry, to Concrete Technology Corporation. Rotary mill. 4,889,428, 12-26-89, Cl. 366-1.000.
Hodulik, Robert F. Shotshell die set. 4,887,509, 12-19-89, Cl. 86-36.000.
Hoebel, Peter, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Bearing of an axle drive bevel pinion. 4,824,264, 4-25-89, Cl. 384-473.000.
Hoeber, Werner G. Process and device to start a new staple fiber sliver automatically. 4,838,018, 6-13-89, Cl. 57-263.000.
Hoeberechts, Arthur M. E.; and Van Gorkom, Gerardus G. P., to U.S. Philips Corporation. Display device with multiplicity of closely spaced electron beams. 4,853,585, 8-1-89, Cl. 313-422.000.
Hoeberechts, Arthur M. E., to U.S. Philips Corp. Radiation-sensitive semiconductor device with active screening diode. 4,857,980, 8-15-89, Cl. 357-30.000.
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- Van Gorkom, Gerardus G. P.; Hoeberechts, Arthur M. E.; Van Der Mast, Karel D.; and Tolner, Harm, 4,871,911, Cl. 250-310.000.

Hoeberigs, Jean M. M. Vending machine for heated food, notably cooked french fries. 4,838,455, 6-13-89, Cl. 221-82.000.

Hoecherl, Carl H. Waterfowl decoy protective coating. 4,829,695, 5-16-89, Cl. 43-3.000.

Hoechst Aktiengesellschaft: *See—*

- Albrecht, Konrad; and Frisch, Gerhard, 4,804,399, Cl. 71-93.000.
- Apholt, Horst, 4,798,144, Cl. 102-445.000.
- Arndt, Otto; and Papenfuhs, Theodor, 4,824,962, Cl. 548-437.000.
- Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Gick, Wilhelm; Heim, Volker; Konkol, Werner; and Wiebus, Ernst, 4,879,418, Cl. 568-454.000.
- Bader, Hubert; Ruppel, Diether; Walch, Axel; and Magerstadt, Michael, 4,835,248, Cl. 528-328.000.
- Barton, Derek; Potier, Pierre; Herve, Yolande; and Thierry, Josiane, 4,868,307, Cl. 546-256.000.
- Bauer, Gunther, 4,845,934, Cl. 57-747.000.
- Beck, Gerhard; Below, Peter; and Bergmann, Andreas, 4,851,440, Cl. 514-550.000.
- Becker, Hermann; Lotz, Werner; and Keller, Karlfried, 4,810,252, Cl. 8-94.240.
- Becker, Wilhelm; and Godau, Claus, 4,886,845, Cl. 523-403.000.
- Bender, Albert; Guenther, Dieter; and Lingnau, Juergen, 4,869,983, Cl. 430-58.000.
- Bennoit, Horst; Frohlich, Walter; Holtermann, Rolf; and Krumbock, Reinhard, 4,851,134, Cl. 210-788.000.
- Berscheid, Hans G.; Bottger, Dirk; and Kraemer, Hans P., 4,795,808, Cl. 536-6.400.
- Bertram, Johannes; and Wolzenburg, Heinrich, 4,863,294, Cl. 384-620.000.
- Bieringer, Hermann; and Schwerdtle, Friedhelm, 4,830,658, Cl. 71-86.000.
- Bister, Erhard; Huth, Hans-Ullrich; and Stelzel, Werner, 4,871,594, Cl. 427-430.100.
- Blickle, Peter; Hintzer, Klaus; Lohr, Gernot; and Schwertfeger, Werner, 4,808,651, Cl. 524-366.000.
- Blickle, Peter; Hintzer, Klaus; Schwertfeger, Werner; and Ulmschneider, Dieter, 4,835,305, Cl. 560-219.000.
- Blocker, Erich, 4,880,860, Cl. 524-94.000.
- Blume, Ernst; Schaper, Wolfgang; Ehrhardt, Heinz; Raether, Wolfgang; Dittmar, Walter; Hanel, Heinz; and Sachse, Burkhard, 4,870,088, Cl. 514-340.000.
- Boesenberg, Heinz; Mildenberger, Hilmar; Bauer, Klaus; and Bieringer, Hermann, 4,814,459, Cl. 548-161.000.
- Bose, Willibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,110, Cl. 252-341.000.
- Bose, Willibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,111, Cl. 252-344.000.
- Bothe, Lothar; Schloegl, Gunter; and Crass, Guenther, 4,863,032, Cl. 206-444.000.
- Bothe, Lothar; Crass, Guenther; Janocha, Siegfried; and Schloegl, Gunter, 4,883,698, Cl. 428-35.900.
- Breipohl, Gerhard; Knolle, Jochen; Konig, Wolfgang; and Scholkens, Bernward, 4,861,755, Cl. 514-11.000.
- Brenk, Michael; and Ernst, Renate, 4,853,093, Cl. 204-37.600.
- Brindopke, Gerhard, 4,835,289, Cl. 549-229.000.
- Brindopke, Gerhard, 4,837,271, Cl. 525-330.300.
- Brindopke, Gerhard; Godau, Claus; and Weber, Walter, 4,859,788, Cl. 558-398.000.
- Brindopke, Gerhard; Walz, Gerd; Waldmann, Karl; Schon, Manfred; and Kleiner, Hans-Jerg, 4,871,822, Cl. 526-271.000.
- Brindopke, Gerhard; and Honel, Michael, 4,882,391, Cl. 525-327.200.
- Brodt, Werner; and Papenfuhs, Theodor, 4,851,575, Cl. 564-87.000.
- Caroselli, Hellmut, 4,821,935, Cl. 226-92.000.
- Christ, Wilhelm; and von der Eltz, Hans-Ulrich, 4,829,620, Cl. 8-149.100.
- Dallman, Hermann; Hensel, Hartmut; and Schafer, Werner, 4,798,759, Cl. 428-220.000.
- Dallmann, Hermann; Schaefer, Werner; Gawrisch, Wolfgang; and Hensel, Hartmut, 4,801,640, Cl. 524-394.000.
- Dapperheld, Steffen; Heumuller, Rudolf; and Wildt, Manfred, 4,800,012, Cl. 204-73.00R.
- Deasy, Patrick B., 4,874,612, Cl. 424-425.000.
- Dessauer, Guido, 4,867,844, Cl. 162-135.000.
- Dhar, Rajkumar; Venugopalan, Bindumadhavan; Chatterjee, Dipak K.; Rupp, Richard H.; and de Souza, Noel J., 4,803,204, Cl. 514-232.800.
- Dietz, Erwin; and Prokschy, Frank, 4,881,980, Cl. 106-495.000.
- Dinter, Peter, 4,839,517, Cl. 250-325.000.
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- Due, Jorgen; Graves, Bjarne; and Bak, Henning, 4,861,535, Cl. 264-103.000.
- Eckes, Helmut; Winter, Rainer; and Munkel, Albert, 4,812,492, Cl. 523-351.000.
- Ehrhardt, Heinz; Blume, Ernst; Raether, Wolfgang; and Dittmar, Walter, 4,829,075, Cl. 514-340.000.
- Ehrhardt, Heinz; Mildenberger, Hilmar; Maier, Thomas; Schaller, Rainer; Sachse, Burkhard; and Braun, Peter, 4,889,864, Cl. 514-326.000.
- Elsaesser, Andreas; and Rode, Klaus, 4,840,867, Cl. 430-156.000.
- Engels, Joachim; Leineweber, Michael; Uhlmann, Eugen; and Ulmer, Wolfgang, 4,832,959, Cl. 424-85.500.
- Erdmann, Fritz; Thamm, Horst-Dieter; and Staudt, Hans-Joachim, 4,873,169, Cl. 430-192.000.
- Ertl, Josef; and Korbanka, Helmut, 4,797,436, Cl. 524-97.000.
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- Franke, Werner; and Brahm, Richard, 4,812,384, Cl. 430-175.000.
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- Frisch, Gerhard; and Albrecht, Konrad, 4,853,026, Cl. 71-86.000.
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- Gebert, Ulrich; Okyayuz-Baklouti, Ismahan; and Thorwart, Werner, 4,833,146, Cl. 514-263.000.
- Geiger, Rolf; Teetz, Volker; Langner, Dietrich; Urbach, Hansjorg; and Henning, Rainer, 4,822,894, Cl. 548-252.000.
- Gerdau, Thomas; Kleiner, Hans-Jerg; and Pawlowski, Georg, 4,859,795, Cl. 564-12.000.
- Giersch, Dieter; Rickmann, Hans-Werner; and Wibbeling, Ulrich, 4,872,274, Cl. 37-64.000.
- Gossel, Helmut; Kuckertz, Herbert; Rittner, Siegbert; Rosenfelder, Josef; and Wojtech, Bernhard, 4,814,518, Cl. 568-708.000.
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- Grau, Ulrich; and Pohler, Wolfgang, 4,850,966, Cl. 604-82.000.
- Greve, Wilfried; Elben, Ulrich; Rudolph, Karl; and Schindler, Ursula, 4,859,663, Cl. 514-212.000.
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- Gross, Jurgen; and Karger, Matthias, 4,867,946, Cl. 422-68.000.
- Grosse, Jurgen; Schimmel, Gunther; and Hofmann, Bernhard, 4,834,960, Cl. 423-316.000.
- Gunther, Klaus; and Mau, Gunter, 4,825,008, Cl. 568-391.000.
- Hagens, Hajo; Kober, Reinhard; and Oberhausen, Wolfgang, 4,830,303, Cl. 242-67.10R.
- Hahnke, Manfred; and Kuhn, Reinhard, 4,872,882, Cl. 8-638.000.
- Hammann, Peter; Grabley, Susanne; Raether, Wolfgang; Ciommer, Bernd; Kluge, Heinz; and Sachse, Burkhard, 4,873,347, Cl. 549-267.000.
- Hammer, Klaus-Dieter; Siebrecht, Manfred; and Winter, Hermann, 4,871,791, Cl. 524-35.000.
- Hars, Ulrich; Staiger, Rolf; and Westphal, Karl, 4,857,207, Cl. 210-725.000.
- Heck, Dieter; Heise, Hartmut; and Hintzmann, Manfred, 4,847,426, Cl. 568-587.000.
- Hemmerling, Wolfgang; Dubal, Hans-Rolf; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, 4,876,028, Cl. 252-299.610.
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- Heppke, Gerd; Lotzsch, Detlef; Oestreicher, Feodor; and Scherowsky, Gunter, 4,826,620, Cl. 252-299.610.
- Heppke, Gerd; Bahr, Christian; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, 4,855,429, Cl. 544-335.000.
- Heppke, Gerd; Scherowsky, Gunter; Bahr, Christian; and Lehmann, Lutz, 4,874,545, Cl. 252-299.610.
- Herbrechtsmeier, Peter; Fleissner, Manfred; Groh, Werner; Heumuller, Rudolf; and Wieners, Gerhard, 4,863,236, Cl. 350-96.340.
- Herrmann, Heinz; and Schlosser, Hans-Joachim, 4,842,988, Cl. 430-14.000.
- Herrmann, Heinz; Schlosser, Hans-Joachim; and Billino, Susanne, 4,842,990, Cl. 430-272.000.
- Hesse, Wolfgang; and Rauhut, Klaus, 4,804,722, Cl. 525-523.000.
- Hoffmann, Karl-Ludwig; Eiden, Gunter; and Morach, Eugen, 4,812,267, Cl. 264-169.000.
- Honel, Michael; Ziegler, Peter; Walz, Gerd; Lenz, Rudiger; Foedde, Hartmut; and Brindopke, Gerhard, 4,806,611, Cl. 528-45.000.
- Hoppe, Hans-Ullrich; Grabley, Susanne; Voelskow, Hartmut; Schlingmann, Merten; Kraemer, Hans P.; Wiesner, Matthias; and Thiem, Joachim, 4,849,409, Cl. 514-27.000.
- Hupfer, Bernd, 4,871,833, Cl. 528-353.000.
- Jaeckel, Lothar; Kleber, Rolf; and Mees, Bernhard, 4,883,495, Cl. 8-115.600.
- Jaenicke, Ottmar; Wagner, Hans; and Worm, Manfred, 4,868,295, Cl. 540-227.000.
- Jahn, Helmut; and Karger, Waldemar, 4,797,606, Cl. 324-71.100.
- Janocha, Siegfried; Crass, Guenther; Schloegl, Gunter; and Bothe, Lothar, 4,842,187, Cl. 229-87.00F.
- Kaminsky, Walter; and Buschermohle, Maria, 4,841,004, Cl. 526-160.000.
- Kaminsky, Walter; and Buschermohle, Maria, 4,849,487, Cl. 526-160.000.
- Kampe, Klaus-Dieter; Raether, Wolfgang; and Dittmar, Walter, 4,818,758, Cl. 514-252.000.
- Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, 4,824,846, Cl. 514-252.000.
- Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, 4,859,670, Cl. 514-252.000.
- Kampe, Klaus-Dieter; Raether, Wolfgang; and Dittmar, Walter, 4,877,878, Cl. 544-368.000.
- Keil, Gunter; Jakob, Franz; Warning, Klaus; and Herold, Friedrich, 4,847,354, Cl. 528-340.000.
- Keller, Reinhold; Schlingmann, Merten; and Platen, Mario, 4,883,900, Cl. 560-41.000.
- Klee, Helmut; Haas, Hans; Kowalski, Werner; and Dahmen, Theo, 4,800,055, Cl. 264-118.000.
- Kleiner, Hans-Jerg; and Weiss, Erwin, 4,816,605, Cl. 568-14.000.
- Kleiner, Hans-Jerg, 4,839,105, Cl. 260-502.40R.
- Kleiner, Hans-Jerg, 4,886,628, Cl. 56-15.000.
- Kleiner, Hans-Jerg, 4,889,661, Cl. 562-815.000.
- Klenter, Otto; and Burk, Klaus, 4,877,133, Cl. 206-416.000.
- Klenter, Otto; and Burk, Klaus, 4,884,690, Cl. 206-416.000.
- Knauf, Werner; Waltersdorfer, Anna; Sagenmuller, Alfons; Stier, Hubert; and Lourens, Jan, 4,857,510, Cl. 514-30.000.
- Knorr, Harald; and Salbeck, Gerhard, 4,843,167, Cl. 558-6.000.
- Koch, Volker; Fuss, Andreas; Bonin, Werner; Knauf, Werner; and Waltersdorfer, Anna, 4,855,309, Cl. 514-346.000.
- Kolkmann, Friedrich; and Jodden, Klaus, 4,889,702, Cl. 423-323.000.
- Krebs, Rolf; Welsing, Otto; Retzlaff, Friedhelm; Gunter, Friedhelm; Wahl, Hans-Jurgen; Gerber, Manfred; and Gross, Heinz, 4,827,099, Cl. 219-121.630.
- Kruse, Alfred; Siegemund, Gunter; Schlich, Klaus; and Ruppert, Ingo, deceased, 4,835,318, Cl. 568-319.000.
- Kruse, Alfred; Siegemund, Gunter; and Schwertfeger, Werner, 4,874,557, Cl. 562-851.000.
- Kuehnert, Hans-Guenter E., 4,840,698, Cl. 156-485.000.
- Kuhlmann, Ludwig; and Putter, Dietrich, 4,837,110, Cl. 423-2.000.
- Kuhne, Rudolf; and Hamal, Heinrich, 4,870,164, Cl. 534-742.000.
- Lachhein, Stephen; and Willms, Lothar, 4,824,949, Cl. 544-320.000.
- Lachhein, Stephen, 4,831,138, Cl. 544-320.000.
- Lang, Hans-Jochen; Rippel, Robert; Herling, Andreas W.; and Weidmann, Klaus, 4,845,118, Cl. 514-338.000.
- Lang, Hans-Jochen; Hropot, Max; Granzer, Ernold; and Kerekjarto, Bela, 4,849,444, Cl. 514-425.000.
- Lang, Hans-Jochen; Rosner, Manfred; Weidmann, Klaus; Rippel, Robert; and Herling, Andreas W., 4,871,734, Cl. 514-212.000.
- Lattrell, Rudolf; Durckheimer, Walter; and Kirrstetter, Reiner, 4,845,087, Cl. 514-202.000.
- Lehmann, Peter; and Michel, Manfred, 4,814,246, Cl. 430-66.000.
- Lenz, Rudiger; Walz, Gerd; Honel, Michael; and Ziegler, Peter, 4,885,392, Cl. 564-503.000.
- Lerch, Ulrich; and Henning, Rainer, 4,831,028, Cl. 514-224.200.
- Lerch, Ulrich; Henning, Rainer; and Kaiser, Joachim, 4,882,329, Cl. 514-253.000.
- Liebl, Rainer; Frey, Michael; Mildenberger, Hilmar; Bauer, Klaus; and Bieringer, Hermann, 4,838,931, Cl. 71-94.000.
- Link, Gerhard; Frohlich, Walter; Krumbock, Reinhard; Prantl, Georg; and Schaffelhofer, Iwo, 4,798,914, Cl. 570-226.000.
- Lohaus, Gerhard; Dittmar, Walter; Hanel, Heinz; Raether, Wolfgang; Reuschling, Dieter; and Grobel, Bengt-Thomas, 4,797,409, Cl. 514-345.000.
- Lutz, Walter; and Keiper, Roman, 4,801,508, Cl. 428-483.000.
- Maier, Thomas; Schmierer, Roland; Bauer, Klaus; Bieringer, Hermann; Burstell, Helmut; and Sachse, Burkhard, 4,820,335, Cl. 71-92.000.
- Mauz, Otto, 4,839,439, Cl. 526-203.000.
- Merrem, Hans-Joachim; and Graf, Werner, 4,842,901, Cl. 427-387.000.
- Metz, Hans J.; and Warning, Klaus, 4,855,517, Cl. 570-206.000.
- Michel, Wolfgang; and Neumeier, Martin, 4,849,153, Cl. 264-322.000.
- Mischke, Peter; and Schladetsch, Hans J., 4,889,923, Cl. 534-597.000.
- Muller, Werner H., 4,839,256, Cl. 430-192.000.
- Muller, Werner H.; and Schneller, Arnold, 4,853,448, Cl. 526-254.000.
- Muller, Wolf-Dieter, 4,847,013, Cl. 562-17.000.
- Neeb, Rudolf; and Ironich, Wolfgang, 4,831,168, Cl. 549-461.000.
- Oberhausen, Erich; Kuhlmann, Ludwig; Seibert, Gerhard; Steinstrasser, Axel; Schroth, Hans-Joachim; and Bremer, Karl-Heinz, 4,885,151, Cl. 424-1.100.
- Obermeier, Rainer, 4,845,032, Cl. 435-68.000.
- Ohlendorf, Dieter; and Hofinger, Manfred, 4,828,765, Cl. 260-501.150.
- Ohlendorf, Dieter; Interthal, Werner; and Stoll, Friedrich, 4,859,418, Cl. 422-16.000.
- Papenfuhs, Theodor, 4,808,752, Cl. 564-414.000.
- Paschke, Klaus; Crass, Guenther; and Dinter, Peter, 4,875,963, Cl. 156-249.000.
- Pawlowski, Georg; Mohr, Dieter; and Jung, Guenter, 4,828,959, Cl. 430-175.000.
- Pawlowski, Georg; and Kleiner, Hans-Jerg, 4,839,254, Cl. 430-175.000.
- Pawlowski, Georg; Hultsch, Guenter; and Mack, Gerhard, 4,840,868, Cl. 430-155.000.
- Pawlowski, Georg; Kleiner, Hans-Jerg; and Gerdau, Thomas, 4,859,562, Cl. 430-175.000.
- Peiffer, Herbert; Crass, Guenther; Dietz, Wolfgang; and Schloegl, Gunter, 4,803,027, Cl. 264-210.500.
- Peters, Dieter, 4,880,612, Cl. 423-413.000.
- Peters, Dieter, 4,882,135, Cl. 423-412.000.
- Peters, Dieter, 4,882,136, Cl. 423-412.000.
- Pfuller, Peter, 4,865,824, Cl. 423-112.000.
- Piesold, Jan-Peter, 4,829,116, Cl. 524-278.000.
- Pistorius, Rudolf, 4,808,343, Cl. 260-513.00R.
- Pliefke, Engelbert; and Mohr, Dieter, 4,824,535, Cl. 204-129.750.
- Pliefke, Engelbert; and Frass, Werner, 4,834,844, Cl. 204-16.000.
- Pliefke, Engelbert, 4,840,709, Cl. 204-2.000.
- Pliefke, Engelbert, 4,840,713, Cl. 204-129.750.
- Preisler, Eberhard; Holzem, Johannes; Mietens, Gerhard; and Nolte, Gerhard, 4,818,354, Cl. 204-96.000.
- Raether, Wolfgang, 4,824,847, Cl. 514-256.000.
- Raether, Wolfgang, 4,855,299, Cl. 514-259.000.
- Raether, Wolfgang, 4,861,758, Cl. 514-27.000.
- Ragg, Hermann, 4,849,349, Cl. 435-68.000.
- Reinehr, Ulrich; Pieper, Christian; Hirsch, Rolf-Burkhard; Jungverdorben, Hermann-Josef; and Breuer, Jakob, 4,854,021, Cl. 28-263.000.
- Reuschling, Dieter; Linkies, Adolf; Reimann, Walter; Schweikert, Otto E.; Mack, Karl E.; and Ebertz, Wolfgang, 4,804,755, Cl. 544-2.000.
- Reuschling, Dieter; Linkies, Adolf; Reimann, Walter; Schweikert, Otto E.; and Mack, Karl E., 4,806,639, Cl. 544-2.000.
- Rieck, Hans-Peter; and Schott, Martin, 4,806,327, Cl. 423-332.000.
- Rieck, Hans-Peter, 4,820,439, Cl. 252-135.000.
- Rochling, Hans; and Albrecht, Konrad, 4,870,103, Cl. 514-521.000.
- Roscher, Gunter; Schmidt, Karl H.; Hey, Hansjorg; Langner, Horst; and Andereya, Erwin, 4,818,347, Cl. 203-42.000.
- Rothert, Reinhardt; and Wullbrandt, Dieter, 4,806,477, Cl. 435-177.000.
- Ruckert, Hans; and Ohlenmacher, Ralf, 4,853,314, Cl. 430-191.000.
- Sanger, Hans D., 4,796,744, Cl. 198-397.000.
- Sattelmeyer, Richard, 4,837,266, Cl. 524-511.000.
- Schimmel, Gunther; Gradl, Reinhard; and Schrodter, Klaus, 4,806,324, Cl. 423-321.00S.
- Schinzel, Erich; and Martini, Thomas, 4,814,453, Cl. 546-98.000.
- Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, 4,806,127, Cl. 8-549.000.
- Schlafer, Ludwig; Springer, Hartmut; and Kunze, Michael, 4,808,193, Cl. 8-549.000.
- Schlafer, Ludwig, 4,818,814, Cl. 534-642.000.
- Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, 4,845,202, Cl. 534-605.000.
- Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, 4,861,344, Cl. 8-532.000.
- Schlipf, Michael; Manz, Albrecht; and Lohr, Gernot, 4,859,755, Cl. 526-255.000.
- Schmidt, Manfred; Rupp, Walter; Schneider, Gerhart; and Kohn, Eva M., 4,842,776, Cl. 260-512.00C.
- Schmidt, Robert; and Peiffer, Herbert, 4,849,103, Cl. 210-323.200.
- Schmierer, Roland; Mildenberger, Hilmar; and Burstell, Helmut, 4,808,213, Cl. 71-92.000.
- Schneider, Manfred; Ott, Ulrich; Sieber, Alexander; and Zimmermann, Manfred, 4,859,728, Cl. 524-159.000.
- Schneller, Arnold; and Lambert, Gabriele, 4,795,829, Cl. 568-750.000.
- Schneller, Arnold; Schulze, Ralf; Sander, Juergen; and Erbes, Kurt, 4,822,719, Cl. 430-270.000.
- Schutz, Joachim; and Schweikert, Otto E., 4,876,341, Cl. 544-2.000.
- Schwaiger, Gunther; Springer, Hartmut; and Helmling, Walter, 4,816,574, Cl. 544-76.000.
- Schwaiger, Gunther; and Springer, Hartmut, 4,851,542, Cl. 548-259.000.
- Schwarz, Gunter; and Neuhaus, Ulrich, 4,869,471, Cl. 267-33.000.
- Seibel, Markus; and Kaempf, Guenther, 4,842,982, Cl. 430-156.000.
- Shubert, Hans H.; Salbeck, Gerhard; Luders, Walter; and Knauf, Werner, 4,864,027, Cl. 546-14.000.
- Siebrecht, Manfred, 4,879,123, Cl. 426-105.000.
- Siegel, Herbert; Raether, Wolfgang; and Dittmar, Walter, 4,808,606, Cl. 514-383.000.
- Siegel, Herbert, 4,855,087, Cl. 562-817.000.
- Siegel, Herbert; Kampe, Klaus-Dieter; Alpermann, Hans G.; Gerhards, Hermann J.; Usinger, Patricia; Schacht, Ulrich; Leven, Margret; Raether, Wolfgang; Dittmar, Walter; and Sachse, Burkhard, 4,876,354, Cl. 548-341.000.
- Sinner, Karl-Helmut, 4,828,405, Cl. 384-455.000.
- Spietschka, Ernst; and Urban, Manfred, 4,797,162, Cl. 106-498.000.
- Spietschka, Ernst; and Troster, Helmut, 4,831,140, Cl. 546-37.000.
- Springer, Hartmut; Schwaiger, Gunther; and Helmling, Walter, 4,851,527, Cl. 544-76.000.
- Springer, Hartmut; Kuhn, Manfred; and Buch, Holger M., 4,873,320, Cl. 534-632.000.
- Springer, Hartmut; Helmling, Walter; and Schwaiger, Gunther, 4,885,385, Cl. 562-430.000.
- Staendeke, Horst; Thummler, Ursus; and Adam, Wilhelm, 4,853,288, Cl. 428-402.240.
- Staendeke, Horst; and Scharf, Daniel, 4,853,424, Cl. 523-506.000.
- Stahlhofen, Paul; and Mohr, Dieter, 4,885,230, Cl. 430-309.000.
- Stahlhofen, Paul; and Frass, Hans W., 4,889,788, Cl. 430-191.000.
- Stahlhofen, Paul, 4,889,789, Cl. 430-191.000.
- Sternberger, Klaus; Keil, Karl-Heinz; Gevert, Dieter; and Navarrete, Oscar, 4,806,126, Cl. 8-543.000.
- Strutzel, Hans; and Wink, Peter, 4,886,634, Cl. 264-560.000.
- Stuhler, Herbert; and Fischer, Kurt, 4,801,730, Cl. 558-313.000.
- Stuhler, Herbert; Reng, Alwin; Skrypzak, Werner; and Quack, Jochen M., 4,853,430, Cl. 524-604.000.
- Svara, Jurgen; and Weferling, Norbert, 4,885,394, Cl. 568-14.000.
- Teetz, Volker; Henke, Stephan; Brocks, Dietrich; Hanauske-Abel, Hartmut; and Gunzler, Volkmar, 4,797,471, Cl. 514-18.000.
- Teetz, Volker; Geiger, Rolf; Urbach, Hansjorg; Becker, Reinhard; and Scholkens, Bernward, 4,879,403, Cl. 560-38.000.
- Tetzlaff, Karl-Heinz; Schmid, Dieter; and Russow, Jurgen, 4,824,534, Cl. 204-128.000.
- Thiem, Joachim; Deger, Hans-Matthias; Fritsche-Lang, Wolfram; and Kreuzer, Matthias, 4,803,263, Cl. 536-18.600.
- Thiem, Joachim; Treder, Wolfgang; Keller, Reinhold; and Schlingmann, Merten, 4,859,590, Cl. 435-97.000.
- Thoese, Klaus, 4,824,725, Cl. 428-336.000.
- Thoese, Klaus; and Jung, Karl-Heinz, 4,876,155, Cl. 428-480.000.

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Urbach, Hansjorg; Henning, Rainer; Scholkens, Bernward; and Becker, Reinhard, 4,857,520, Cl. 514-183.000.

Urbach, Hansjorg; Henning, Rainer; and Hertzsch, Winfried, 4,886,827, Cl. 514-412.000.

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van der Hoeven, Johannes C. W., 4,801,495, Cl. 428-286.000.

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Vollmann, Hansjoerg W.; Wong, George S. K.; and Bellvilie, Dennis, 4,877,697, Cl. 430-20.000.

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von der Eltz, Hans-Ulrich; and Christ, Wilhelm, 4,862,545, Cl. 8-149.100.

von der Eltz, Hans-Ulrich; and Christ, Wilhelm, 4,862,546, Cl. 8-149.100.

von der Eltz, Hans-Ulrich, 4,884,308, Cl. 8-149.100.

von der Eltz, Hans-Ulrich; and Christ, Wilhelm, 4,885,814, Cl. 8-149.100.

Vorwerk, Edgar; Finke, Manfred; and Lenz, Rudiger, 4,847,346, Cl. 528-45.000.

Wagner, Adalbert; Kleemann, Heinz-Werner; Ruppert, Dieter; and Scholkens, Bernward, 4,855,286, Cl. 514-19.000.

Walz, Gerd, 4,795,787, Cl. 525-328.200.

Walz, Gerd; and Plum, Helmut, 4,806,677, Cl. 560-125.000.

Walz, Gerd; Honel, Michael; Brindopke, Gerhard; Sprenger, Walter; Finke, Manfred; and Lenz, Rudiger, 4,808,658, Cl. 524-591.000.

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Weber, Jurgen; Springer, Helmut; and Lappe, Peter, 4,885,383, Cl. 560-103.000.

Weferling, Norbert, 4,885,393, Cl. 568-8.000.

Wehowsky, Frank; and Liebiger, Martin, 4,873,306, Cl. 528-28.000.

Weide, Joachim; Dietz, Erwin; and Deubel, Reinhold, 4,828,622, Cl. 106-412.000.

Weiss, Erwin, 4,806,691, Cl. 568-14.000.

Weiss, Erwin; and Kleiner, Hans-Jerg, 4,847,419, Cl. 568-14.000.

Weithmann, Klaus U.; and Seiffge, Dirk, 4,850,489, Cl. 206-530.000.

Weithmann, Klaus U.; and Seiffge, Dirk, 4,880,791, Cl. 514-161.000.

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Wess, Gunther; Bartmann, Wilhelm; Beck, Gerhard; and Anagnostopulos, Hiristo, 4,855,323, Cl. 514-550.000.

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Wilski, Hans; and Schmidt, Hermann, 4,852,732, Cl. 206-204.000.

Wissmann, Hans; Hachmann, Henning; Simons, Guido; and Strecker, Helmut, 4,814,484, Cl. 560-39.000.

Wissmann, Hans; Simons, Guido; and Strecker, Helmut, deceased, 4,820,860, Cl. 560-40.000.

Wohlleben, Wolfgang; Schulte, Agnes; and Puhler, Alfred, 4,880,746, Cl. 435-253.500.

Wohner, Gerhard; Voelskow, Hartmut; Prave, Paul; Luck, Erich; and von Rymon Lipinski, Gert-Wolfhard, 4,828,998, Cl. 435-206.000.

Wojtech, Bernhard; Rittner, Siegbert; Reiss, Heinz; and Zunder, Reinhard, 4,864,065, Cl. 568-155.000.

Wolf, Erhard; Rossmanith, Erhard; Bartlett, Robert R.; and Schleyerbach, Rudolf, 4,829,061, Cl. 514-21[illegible].000.

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Zeeck, Axel; Breiding-Mack, Sabine; Grabley, Susanne; Voelskow, Hartmut; and Seibert, Gerhard, 4,861,775, Cl. 514-229.800.

Zeeck, Axel; Breiding-Mack, Sabine; Grabley, Susanne; Voelskow, Hartmut; and Seibert, Gerhard, 4,861,796, Cl. 514-535.000.

Zimmermann, Josef, 4,846,405, Cl. 239-422.000.

Zimmermann, Wolfgang; and Harreus, Albrecht, 4,880,870, Cl. 524-31.000.

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Allou, Anthony L., Jr.; and Hawkins, Roland L., 4,816,336, Cl. 428-361.000.

Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,256, Cl. 526-75.000.

Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,257, Cl. 526-75.000.

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Barton, O. Alfred, 4,842,950, Cl. 428-483.000.

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Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,814,211, Cl. 428-1.000.

Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,828,888, Cl. 428-1.000.

Che, Tessie M.; Carney, Raymond V.; and Dotson, Duane L., 4,810,674, Cl. 501-12.000.

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Choe, Eui W., 4,804,255, Cl. 350-354.000.

Choe, Eui W., 4,818,802, Cl. 526-305.000.

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Chung, Tai-Shung; Chen, Paul N., Sr.; and Provino, Vincent J., 4,842,740, Cl. 210-500.270.

Collins, George L.; and Wissbrun, Kurt F., 4,816,107, Cl. 156-327.000.

Deeg, Martin H. G., 4,849,148, Cl. 264-176.100.

DeMartino, Ronald N., 4,795,664, Cl. 428-1.000.

DeMartino, Ronald N.; and Yoon, Hyun-Nam, 4,801,670, Cl. 526-263.000.

DeMartino, Ronald N.; and Yoon, Hyun-Nam, 4,808,332, Cl. 526-312.000.

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DeMartino, Ronald N., 4,826,950, Cl. 528-292.000.

DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,835,235, Cl. 526-311.000.

DeMartino, Ronald N., 4,851,502, Cl. 528-176.000.

De Martino, Ronald N.; Yoon, Hyun-Nam; and Stamatoff, James B., 4,855,376, Cl. 526-311.000.

DeMartino, Ronald N.; and Yoon, Hyun-Nam, 4,865,430, Cl. 350-376.000.

DeMartino, Ronald N., 4,867,540, Cl. 350-355.000.

DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,868,250, Cl. 525-479.000.

Dhillon, Major S., 4,822,723, Cl. 430-331.000.

Dhillon, Major S.; Hsieh, Shane; and Seeley, Douglas A., 4,873,174, Cl. 430-309.000.

Dougherty, Edward F.; Scates, Mark O.; and Paul, James L. 4,814,493, Cl. 560-205.000.

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Elongo, Varadaraj, 4,883,901, Cl. 560-45.000.

Fruchey, Olan S., 4,855,499, Cl. 564-223.000.

Garg, Sunil K.; and Kenig, Samuel, 4,863,767, Cl. 428-1.000.

Giliberg-LaForc, Gunilla E.; and Kravas, Helen A., 4,859,350, Cl. 252-8.900.

Gillberg-LaForce, Gunilla E.; and Khanarian, Garo, 4,828,758, Cl. 252-582.000.

Gillberg-LaForce, Gunilla E.; Leslie, Thomas M.; Che, Tessie M.; and Borzo, Marie, 4,885,113, Cl. 252-582.000.

Gillich, Thomas N., 4,886,553, Cl. 134-42.000.

Goldberg, Harris A.; Kalnin, Ilmar L.; Williams, Clyde C., and Spain, Ian L., 4,856,179, Cl. 29-592.100.

Goldberg, Harris A.; and Williams, Clyde C., 4,873,604, Cl. 361-104.000.

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Gupta, Balaram, 4,826,891, Cl. 522-114.000.

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Mueller, Werner H.; and Khanna, Dinesh, 4,822,868, Cl. 528-208.000.

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Mueller, Werner H.; and Khanna, Dinesh N., 4,866,155, Cl. 528-191.000.

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Murphy, Mark A., 4,873,379, Cl. 568-867.000.

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Powanda, Thomas M.; Imes, Robert H.; and Collins, George L., 4,868,329, Cl. 560-205.000.

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Rudd, David; and Caines, R. Scott, 4,880,695, Cl. 428-341.000.

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Rupp, Raymond W.; Vicari, Richard; and Keene, Donna L., 4,847,327, Cl. 525-326.700.

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Sansone, Michael J.; Onorato, Frank J.; and Pulaski, Harry, 4,826,502, Cl. 8-115.590.

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Walls, John E.; and Dhillon, Major S., 4,880,555, Cl. 252-143.000.

Ward, Bennett C.; Alvarez, Edwardo; and Blake, Ralph S., 4,814,530, Cl. 528-342.000.

Ward, Bennett C.; Alvarez, Edwardo; and Blake, Ralph S., 4,861,537, Cl. 264-126.000.

Watts, Michael P. C.; Perera, Thiloma I.; Myers, David W.; Ozarski, Robert G.; Schipper, John F.; and Tan, Raul V., 4,874,240, Cl. 356-73.000.

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Hoechst CeramTec Aktiengesellschaft: *See—*

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Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,861,889, Cl. 546-183.000.

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Shutske, Gregory M.; and Kapples, Kevin J., 4,868,177, Cl. 514-228.200.

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Hoefer, Rainer; Schmid, Karl H.; Asbeck, Adolf; and Held, Uwe, to Henkel Kommanditgesellschaft auf Aktien. Foam inhibitor mixture. 4,797,222, 1-10-89, Cl. 252-174.210.

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Hoeffkes, Horst; Lange, Fritz; and Giede, Karl, to Henkel Kommanditgesellschaft auf Aktien. Hair care and aftertreatment preparations. 4,820,511, 4-11-89, Cl. 424-70.000.

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Hoefkens, Daniel S. G.; Spaenjers, Joannes H. P. M.; Boeykens, Eduard C. M.; Verhille, Henri A. J.; and Geernaert, Gustaaf A. L., to Alcatel N.V. Adjustable echo canceller. 4,862,449, 8-29-89, Cl. 370-32.100.

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Hoek, Arend; Huizinga, Tom; and Maxwell, Ian E., to Shell Oil Company. Hydrocarbon conversion process and catalysts. 4,857,171, 8-15-89, Cl. 208-111.000.

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- Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., 4,810,119, Cl. 400-241.100.

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Hoelderich, Wolfgang; Goetz, Norbert; and Hupfer, Leopold, to BASF Aktiengesellschaft. Preparation of bifunctional compounds. 4,812,593, 3-14-89, Cl. 560-183.000.

Hoelderich, Wolfgang; Kroener, Michael; Kroetzsch, Peter; and Biftar, Werner, to BASF Aktiengesellschaft. Fixed-bed catalyst structure obtained using honeycomb elements. 4,859,642, 8-22-89, Cl. 502-2.000.

Hoelderich, Wolfgang; Hupfer, Leopold; and Schneider, Kurt, to BASF Aktiengesellschaft. Preparation of ketones. 4,866,210, 9-12-89, Cl. 568-392.000.

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Hoelke, Steven T.: *See—*
- Larsen, Robert P.; Hoelke, Steven T.; and Luisi, James A., 4,878,179, Cl. 364-490.000.

Hoelscher, James R.; Frielinghaus, Klaus H.; Raso, Frank A.; and Smith, Barry L., to General Signal Corporation. Combination frequency loop coupling for railway track signalling. 4,878,638, 11-7-89, Cl. 246-34.0CT.

Hoeltje, Dagmar; and Thielke, Dietrich, to Beecham-Wuelfing GmbH & Co., KG. Aminoalkyl secocanthine derivatives and their use. 4,835,271, 5-30-89, Cl. 544-126.000.

Hoelzer, John S.: *See—*
- Wojtak, Roger C.; Hoelzer, John S.; and Libert, James T., 4,802,053, Cl. 361-85.000.

Hoelzlwimmer, Herbert: *See—*
- Strobach, Peter; Hoelzlwimmer, Herbert; and Tengler, Walter, 4,862,263, Cl. 358-135.000.

Hoene, Ernst L.; Renz, Roman; and Gessner, Klaus, to Siemens Aktiengesellschaft. Vacuum tube switch which uses low temperature solder. 4,795,866, 1-3-89, Cl. 200-144.00B.

Hoene, Ernst L.: *See—*
- Boy, Juergen; and Hoene, Ernst L., 4,831,485, Cl. 361-120.000.

Hoenig, Eckhardt, to Siemens Aktiengesellschaft. Squid magnetometer including a flux-gate chopper using a mechanically vibrating superconducting mirror. 4,804,915, 2-14-89, Cl. 324-248.000.

Hoenig, Eckhardt, to Siemens Aktiengesellschaft. Measuring device having a squid magnetometer with a modulator for measuring magnetic fields of extremely low frequency. 4,864,237, 9-5-89, Cl. 324-248.000.

Hoenig, Reinhard: *See—*
- Scade, Andreas; Hoenig, Reinhard; and Schniek, Horst-Guenther, 4,843,256, Cl. 307-296.200.

Hoenniger, John C., III; and Hosier, Kenneth E., Jr., to University of California, The Regents of the. Low data rate low noise serial digital communication link for magnetic resonance imaging systems. 4,885,538, 12-5-89, Cl. 324-312.000.

Hoentjen, Gerrit: *See—*
- de Jonge, Cornelis R. H. I.; Hoentjen, Gerrit; and Magre, Eduard P., 4,851,562, Cl. 560-19.000.

Hoep, Antoon L.: *See—*
- Berkhout, Ronald; Van Stiphout, Johannes G. V.; Corver, Jozef, A. W. M.; Hoep, Antoon L.; and Knapen, Berend J., 4,884,188, Cl. 346-160.100.

Hoepfner, Paul A.; Hofacket, William D.; and Ellis, Gary E. Bait forming gun. 4,850,129, 7-25-89, Cl. 43-4.000.

Hoeprich, Michael R., to Timken Company, The. Process for deriving the contact geometry for raceways and rollers of a roller bearing. 4,877,340, 10-31-89, Cl. 384-571.000.

Hoeptner, Herbert W.: *See—*
- Panzica, Ignatius J.; and Hoeptner, Herbert W., 4,880,280, Cl. 301-105.00B.

Hoeptner, Herbert W., III. Freeze valve apparatus. 4,854,339, 8-8-89, Cl. 137-282.000.

Hoerbiger Ventilwerke Aktiengesellschaft: *See—*
- Frisch, Herbert, 4,834,141, Cl. 137-625.660.
- Hrabal, Hans, 4,799,507, Cl. 137-516.210.
- Hrabal, Hans, 4,869,289, Cl. 137-512.100.
- Hrabal, Hans, 4,869,291, Cl. 137-516.210.
- Hrabal, Hans, 4,871,299, Cl. 417-319.000.

Hoereth, Hans-Jurgen; and Neumaier, Anton, to Hilti Aktiengesellschaft. Lockable striking mechanism for hammer drill. 4,798,249, 1-17-89, Cl. 173-14.000.

Hoereth, Hans-Jurgen: *See—*
- Neumaier, Anton; and Hoereth, Hans-Jurgen, 4,825,961, Cl. 173-109.000.

Hoerkens, Reiner. Ornamental ear insert and hearing aid. 4,803,853, 2-14-89, Cl. 63-14.100.

Hoerner, Rebecca S.; and Short, William T., to General Motors Corporation. Process for protecting thermoformed films. 4,824,506, 4-25-89, Cl. 156-245.000.

Hoernle, Hans R.: *See—*
- Porter, Rick A.; and Hoernle, Hans R., 4,806,185, Cl. 156-78.000.

Hoerschelmann, Detlef V.: *See—*
- Maier, Josef; Gloger, Manfred; Hoerschelmann, Detlef V.; Strejcek, Jan; and Heimerl, Sebastian, 4,857,462, Cl. 435-197.000.

Hoes, Larry M.: *See—*
- Szymozak, Edward J.; Cassity, Thomas G.; Taylor, William M.; Tiemer, Peer H.; Hoes, Larry M.; Smith, Jerry D.; and Davies, Timothy C., 4,869,319, Cl. 166-115.000.

Hoes, Tommy L.: *See—*
- Morin, Paul G.; and Hoes, Tommy L., 4,879,128, Cl. 426-392.000.

Hoeschele, Guenther K.; and Ostapchenko, George J., to Du Pont de Nemours, E. I., and Company. Vapor permeable poly(etherimide) ester elastomer films. 4,868,062, 9-19-89, Cl. 428-423.100.

Hoetzl, Max; Stahl, Robert M.; and Franceschina, Louis E., to Surface Combustion, Inc. Apparatus for inside-outside tube quenching. 4,834,344, 5-30-89, Cl. 266-90.000.

Hoeve, James H.: *See—*
- Dykstra, Ronald A.; and Hoeve, James H., 4,818,017, Cl. 297-194.000.

Hoeve, Wolter T.: *See—*
- Wijnberg, Hans; and Hoeve, Wolter T., 4,814,477, Cl. 658-86.000.

Hoevel, Lee W.: *See—*
- Hailpern, Brent T.; Hoevel, Lee W.; and Shapiro, Eugene, 4,881,164, Cl. 364-200.000.
- Perry, Kenneth J.; Thefaine, Yannick J.; Hailpern, Brent T.; Hoevel, Lee W.; and Shea, Dennis G., 4,885,578, Cl. 340-825.520.

Hoever, Franz-Peter: *See—*
- Kruger, Bernd-Wieland; Sasse, Klaus; Hoever, Franz-Peter; Nentwig, Gunther; and Berhrenz, Wolfgang, 4,873,252, Cl. 514-315.000.
- Niewohner, Ulrich; Hoever, Franz-Peter; Junge, Bodo; Perzborn, Elisabeth; Seuter, Friedel; and Fiedler, Volker-Bernd, 4,868,331, Cl. 562-427.000.
- Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,868,332, Cl. 562-427.000.
- Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Oediger, Hermann; Rosentreter, Ulrich; Boshagen, Horst; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,882,353, Cl. 514-456.000.
- Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,886,898, Cl. 560-42.000.

Hofacket, William D.: *See—*
- Hoepfner, Paul A.; Hofacket, William D.; and Ellis, Gary E., 4,850,129, Cl. 43-4.000.

Hofbauer, August: *See—*
- Beer, Michael; Hofbauer, August; and Knoll, Erwin, 4,798,181, Cl. 123-188.0GC.
- Gietzen, Staas; Weiner, Hans; Hain, Klaus; Hofbauer, August; and Hawener, Juergen, 4,875,643, Cl. 244-53.00A.
- Hain, Klaus; Hofbauer, August; and Hochkonig, Manfred, 4,830,312, Cl. 244-17.110.

Hofeditz, Wolfgang: *See—*
- Heimerl, Albert; Brammer, Hans-Adolf; and Hofeditz, Wolfgang, 4,874,370, Cl. 604-93.000.

Hofen, Willi: *See—*
- Boehme, Georg; Hofen, Willi; Grund, Andreas; Petsch, Heinrich; and Prescher, Guenter, 4,849,532, Cl. 549-525.000.
- Dankowski, Manfred; and Hofen, Willi, 4,874,556, Cl. 562-2.000.
- Grund, Andreas; Prescher, Guenter; Boehme, Georg; Hofen, Willi; and Petsch, Heinrich, 4,855,465, Cl. 549-525.000.

Hofer, Alan, to Stanton Magnetics, Inc. Inertial microphone/receiver with extended frequency response. 4,843,628, 6-27-89, Cl. 381-200.000.

Hofer, Arnold; and Gempeler, Hans, to Ciba-Geigy Corporation. Epoxy resin compositions. 4,885,354, 12-5-89, Cl. 528-94.000.

Hofer, Bernd; Malek, Samir; and Roenner, Cartsen, to Messerschmitt-Bolkow-Blohm GmbH. Optical system for sensing fractures in a structural component. 4,808,814, 2-28-89, Cl. 250-227.000.

Hofer, Bruce E.: *See—*
- Cleary, Edward J., Jr.; and Hofer, Bruce E., 4,811,395, Cl. 381-4.000.

Hofer, Donald C.: *See—*
- Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, 4,849,501, Cl. 528-353.000.

Hofer, Friedrich-Wilhelm: *See—*
- Arnold, Winfried; Hesse, Horst; Hofer, Friedrich-Wilhelm; Lodige, Heinrich; Mohaupt, Hubert; and Schumacher, Werner, 4,809,785, Cl. 172-9.000.

Hofer, Gerald; Laufer, Helmut; and Straubel, Max, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,796,592, 1-10-89, Cl. 123-502.000.

Hofer, Gerald, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,817,575, 4-4-89, Cl. 123-506.000.

Hofer, Gerald: *See—*
- Eheim, Franz, deceased; and Hofer, Gerald, 4,854,289, Cl. 123-503.000.
- Fehlmann, Wolfgang; Hofer, Gerald; Junger, Dieter; Karle, Anton; and Laufer, Helmut, 4,873,956, Cl. 123-357.000.

Hofer, Gerhard: *See—*
- Stuecker, Erwin; Hofer, Gerhard; Koch, Dietmar; and Guenes, Uenal, 4,881,030, Cl. 324-209.000.

Hofer, Hans: *See—*
- Schneider, Christian; Doetsch, Hans P.; Krauss, Helmut; and Hofer, Hans, 4,819,432, Cl. 60-525.000.
- Winkler, Otto; and Hofer, Hans, 4,843,277, Cl. 313-346.00R.

Hofer, Henry: *See—*
- Swon, James E.; and Hofer, Henry, 4,855,821, Cl. 358-101.000.

Hofer, Josef: *See—*
- Buchele, Peter, 4,867,081, Cl. 112-83.000.

Hofer, Karl-Heinz: *See—*
- Lorenz, Dotsch; Hofer, Karl-Heinz; Retrayt, Jean-Louis; and Kull, Bernd, 4,884,787, Cl. 266-270.000.

Hofer, Peter, to Euroceltique, S.A. 6-thioxanthine derivatives. 4,820,709, 4-11-89, Cl. 514-263.000.

Hofer, Peter: *See—*
- Achatz, Manfred; Hofer, Peter; and Strobel, Jurgen, 4,813,955, Cl. 623-6.000.

Hofer, Urs: *See—*
- Oesch, Gustav; Gmeiner, Paul; and Hofer, Urs, 4,879,004, Cl. 203-89.000.

Hofer, Wolfgang: *See—*
- Forster, Heinz; Hofer, Wolfgang; Mues, Volker; Eue, Ludwig; and Schmidt, Robert R., 4,833,243, Cl. 540-480.000.

Hoferer, Richard; Klotz, Arthur; Lehmann, Volker; and Trumpfheller, Gunter, to Filterwerk Mann & Hummel GmbH. Housing attachment assembly with a plastic attachment tab and a clip. 4,881,292, 11-21-89, Cl. 16-2.000.

Hoff, Arnold J., to Ryksuniversiteit Leiden. Method and a spectrometer for measuring absorbance difference spectra of radical reactions. 4,801,552, 1-31-89, Cl. 436-173.000.

Hoff, Dave: *See—*
- Nerheim, Eldon; and Hoff, Dave, 4,862,803, Cl. 102-202.500.

Hoff, Gerald F.: *See—*
- Doddapaneni, Narayan; Chua, David L.; Hoff, Gerald F.; and Jensen, James D., 4,822,700, Cl. 429-50.000.

Hoff, Gunter; and Ohnsorge, Jochen, to Merck Patent Gesellschaft mit Beschrankter Haftung. Mechanically disruptible bone cement. 4,868,237, 9-19-89, Cl. 524-407.000.

Hoff, James L.: *See—*
- Wasitis, William A.; and Hoff, James L., 4,810,565, Cl. 428-215.000.

Hoff, Melvern C.; and Feld, Raymond C., to Amoco Corporation. Process for the separation of ortho chlorinated aromatic isomers by selective adsorption. 4,864,070, 9-5-89, Cl. 585-828.000.

Hoff, Ross W. Arm exerciser. 4,811,944, 3-14-89, Cl. 272-67.000.

Hoff, Steven R., to Dana Corporation. Pivotable mounting base for a collet crimping machine. 4,866,973, 9-19-89, Cl. 72-402.000.

Hoff, Steven R.; and Zuber, Larry L., to Dana Corporation. Self-retracting modular collet assembly. 4,887,451, 12-19-89, Cl. 72-402.000.

Hoffa, Jack L., to Eubanks Engineering Co. Apparatus for step stripping wire means. 4,869,135, 9-26-89, Cl. 81-9.510.

Hoffacker, Franz; Luhrig, Hermann; and Maier, Albert, to Agfa-Gevaert Aktiengesellschaft. Process for the manufacture of film cartridges. 4,867,815, 9-19-89, Cl. 156-69.000.

Hoffart, Andrew B., to American Display Inc. Hinged illuminated sign. 4,873,776, 10-17-89, Cl. 40-572.000.

Hoffarth, Joseph G.; and Wiley, John P., to International Business Machines Corporation. High performance circuit boards. 4,868,350, 9-19-89, Cl. 174-68.500.

Hoffarth, Joseph G.: *See*—

Babu, Suryadevara V.; Bui, Vu Q.; Hoffarth, Joseph G.; and Welsh, John A., 4,810,326, Cl. 156-629.000.

Bui, Vu Q.; Chan, Kevin K.; Hoffarth, Joseph G.; and Malueg, Vicki J., 4,797,178, Cl. 156-643.000.

Hoffelmeyer, Richard L.: *See*—

Loeber, Frederick W.; Hoffelmeyer, Richard L.; and Jackson, Jeffrey A., 4,863,147, Cl. 267-64.260.

Hoffelner, Volkwin. Mounting unit with adjustable lockable pivot arm. 4,858,868, 8-22-89, Cl. 248-291.000.

Hoffenberg, Mark J.; and Walpert, Robert A., to Schwinn Bicycle Company. Bicycle support and load mechanism. 4,815,730, 3-28-89, Cl. 272-73.000.

Hoffenberg, Mark J. *See*—

Sargeant, Bruce A.; Hoffenberg, Mark J.; Reasons, Rob; and Walpert, Robert A., 4,834,363, Cl. 272-73.000.

Hoffend, Thomas R.; and Jugle, Don B., to Xerox Corporation. Electrophotographic toner and developer compositions with polymeric alcohol waxes. 4,883,736, 11-28-89, Cl. 430-110.000.

Hoffend, Thomas R.: *See*—

Gruber, Robert J.; Yourd, Raymond A., III; Malhotra, Shadi L.; Nelson, Robert A.; Fox, Carol A.; and Hoffend, Thomas R., 4,876,169, Cl. 430-110.000.

Manca, Richard D.; Hoffend, Thomas R.; and Jugle, Don B., 4,837,105, Cl. 430-126.000.

Hoffer, Jerry M.; Brasington, Mitchell R.; and Berry, L. Paul, to East-West Apparel, Inc. Method for altering fabric finishes. 4,816,033, 3-28-89, Cl. 8-158.000.

Hoffer, John C.; and Schaffer, Ronald R., to AMP Incorporated. Fiber optic connector assembly. 4,798,440, 1-17-89, Cl. 350-96.200.

Hoffer, John C.: *See*—

Bowen, Terry P.; Harms, Sherry J.; and Hoffer, John C., 4,874,218, Cl. 350-96.200.

Caron, Bernard G.; and Hoffer, John C., 4,846,564, Cl. 350-96.200.

Gutterman, Pamela R.; Harms, Sherry J.; and Hoffer, John C., 4,854,660, Cl. 350-96.180.

Hoffer, Roy D.: *See*—

Hemphill, J. Marshall; and Hoffer, Roy D., 4,798,998, Cl. 315-297.000.

Hofferber, Eva: *See*—

Cohnen, Erich; Beuttler, Thomas; Hofferber, Eva; and Stenzel, Wolfgang, 4,801,590, Cl. 514-293.000.

Hoffert, Franklin D.; Milligan, J. David; and Morrison, James A., to Power Generating, Inc. Pressurized cyclonic combustion method and burner for particulate solid fuels. 4,850,288, 7-25-89, Cl. 110-214.000.

Hoffine, Harold C.; Forsythe, John; and Morgan, Leon. Method for storing toxic waste material. 4,881,849, 11-21-89, Cl. 405-128.000.

Hoffken, Erich; Auth, Rudolf; Kaas, Werner; and Seidelmann, Lothar, to Thyssen Stahl AG. Process for preparing binderfree hot briquettes for smelting purposes. 4,853,031, 8-1-89, Cl. 75-0.50R.

Hoffken, Fred H. Spool holder and spool. 4,831,771, 5-23-89, Cl. 43-54.100.

Hoffkes, Horst: *See*—

Ploog, Uwe; Busch, Peter; Thiele, Klaus; Hoffkes, Horst; and Giede, Karl, 4,803,068, Cl. 424-70.000.

Hoffman, Aharon: *See*—

Zaltzman, Arthur; Schmilovitch, Zeev; Verma, Brahm P.; and Hoffman, Aharon, 4,861,464, Cl. 209-474.000.

Hoffman, Alan R.: *See*—

Pidorenko, John; Hoffman, Alan R.; Hodge, Robert F.; and Wang, Wei-Min, 4,856,317, Cl. 73-4.00R.

Hoffman, Alan W.: *See*—

Goodnough, Mark A.; Stineman, John A., Jr.; and Hoffman, Alan W., 4,857,725, Cl. 250-214.00A.

Hoffman, Allan C. Method of making tennis ball with a single core and cover bonding cure. 4,853,056, 8-1-89, Cl. 156-147.000.

Hoffman, Allan S.; and Dong, Liang C., to Washington Research Foundation. Immobilized biomolecules and method of making same. 4,829,098, 5-9-89, Cl. 522-5.000.

Hoffman, Allan S.: *See*—

Nowinski, Robert C.; and Hoffman, Allan S., 4,843,010, Cl. 435-7.000.

Hoffman, Arnold S.: *See*—

Place, Steven C.; and Hoffman, Arnold S., 4,885,925, Cl. 72-292.000.

Hoffman, Arthur R., to International Business Machines Corporation. High performance ink jet print head for use in a high speed printer. 4,841,310, 6-20-89, Cl. 346-75.000.

Hoffman, Brian: *See*—

Hutchinson, James; Hoffman, Brian; and Pollack, Steven, 4,875,275, Cl. 29-568.000.

Hoffman, Brian D.; and Pollack, Stephen H., to Megamation, Incorporated. Method and apparatus for precision control of linear motors and the like employing a closed loop technique. 4,823,062, 4-18-89, Cl. 318-687.000.

Hoffman, Brian D.; and Pollack, Steven, to Megamation Incorporated. Platen laminated in mutually perpendicular direction for use with linear motors and the like. 4,835,424, 5-30-89, Cl. 310-12.000.

Hoffman, Brian D., to Megamation, Incorporated. Coupling method and apparatus for use with robotic devices and the like. 4,867,595, 9-19-89, Cl. 403-13.000.

Hoffman, Brian D.; and Pollack, Steven H., to Megamation Incorporated. Robotic system. 4,890,241, 12-26-89, Cl. 364-513.000.

Hoffman, Charles R.: *See*—

Bukowski, Eugene R.; and Hoffman, Charles R., 4,837,459, Cl. 307-296.800.

Bukowski, Eugene R.; and Hoffman, Charles R., 4,841,254, Cl. 330-253.000.

Hoffman, David: *See*—

Helsley, Grover C.; McFadden, Arthur R.; and Hoffman, David, 4,816,591, Cl. 549-354.000.

Hoffman, David G. Variable position board game. 4,813,679, 3-21-89, Cl. 273-248.000.

Hoffman, David H.: *See*—

Ma, Di; and Hoffman, David H., 4,855,247, Cl. 437-44.000.

Hoffman, David W.: *See*—

Moskowitz, David; Hoffman, David W.; and Schmatz, Duane J., 4,820,392, Cl. 204-192.110.

Hoffman, Dieter; Munz, Wolf-Dieter; Siewert, G. A. Horst; and Dietrich, Horst, to Leybold-Heraeus GmbH. Multiple-substance alloy for targets of cathode sputtering apparatus. 4,808,373, 2-28-89, Cl. 420-507.000.

Hoffman, Dieter; Munz, Wolf-Dieter; Siewert, G. A. Horst; and Dietrich, Horst, to Leybold Aktiengesellschaft; and Demetron Gesellschaft Fuer Elektronik-Werkstoffe mbH. Process and apparatus for sputter coating a gold alloy onto a substrate. 4,882,022, 11-21-89, Cl. 204-192.150.

Hoffman, Donald. Multi-purpose hand-held exercise device. 4,830,361, 5-16-89, Cl. 272-68.000.

Hoffman, Donald B.; Linhart, Joseph J.; and Stoces, Raymond C., to National Steel Corporation. Ceramic brick retainer band for steel ladle. 4,886,247, 12-12-89, Cl. 266-246.000.

Hoffman, Donald E., to General Motors Corporation. Motor vehicle air conditioning and heating system with bi-level mode. 4,828,018, 5-9-89, Cl. 165-42.000.

Hoffman, Drew S.: *See*—

Lowenthal, Richard W.; Reeber, Larke E.; Hoffman, Drew S.; and Ramsay, Michael, 4,800,380, Cl. 340-750.000.

Hoffman, Dwight K.; Harris, Robert F.; and Hickner, Richard A., to Dow Chemical Company, The. Radiation-curable resins. 4,798,877, 1-17-89, Cl. 525-531.000.

Hoffman, Erich, to Robert Krups Stiftung & Co. KG. Portable electric radiant fan heater utilizing ceramic panel shielded halogen lamp. 4,835,367, 5-30-89, Cl. 219-377.000.

Hoffman, Ernest D.: *See*—

Chamberlin, David B.; D'Agosto, Nicholas A., III; and Hoffman, Ernest D., 4,817,132, Cl. 379-165.000.

Hoffman, Eugene, to Drackett Company, The. Thickened alkali metal hypochlorite compositions. 4,828,748, 5-9-89, Cl. 252-102.000.

Hoffman, Fred: *See*—

Lautner, Max; Hoffman, Fred; and Melnikov, Edward, 4,878,289, Cl. 29-596.000.

Hoffman, Frederich: *See*—

Falzon, Alfred; and Hoffman, Frederich, 4,817,313, Cl. 43-88.000.

Hoffman, Galen W., Jr. Sailboat racing board game. 4,799,685, 1-24-89, Cl. 273-246.000.

Hoffman, Gregory C.; Logan, Mark A.; and Carman, Justice N., to Air Products and Chemicals, Inc. Semiconductor dopant vaporizer. 4,845,366, 7-4-89, Cl. 250-425.000.

Hoffman, Gregory L.: *See*—

Jordan, Dale A.; Fitzsimmons, Lynne A.; Greeneth, William A.; Hoffman, Gregory L.; and Stubbs, David D., 4,868,785, Cl. 364-900.000.

Hoffman, Harmon, Jr.; and Schankereli, Kemal, to Meadox Medicals, Inc. Method for forming impregnated synthetic vascular grafts. 4,842,575, 6-27-89, Cl. 600-36.000.

Hoffman, Harrell; and Wright, Charles G., to International Business Machines Corporation. Data processing system with overlap bus cycle operations. 4,817,037, 3-28-89, Cl. 364-200.000.

Hoffman, Henry E.: *See*—

Reilly, Kenneth T.; Douglas, Alan D.; and Hoffman, Henry E., 4,889,703, Cl. 423-326.000.

Hoffman, Henry R., Jr. Automatic bookmark and page holding device. 4,869,529, 9-26-89, Cl. 281-42.000.

Hoffman, Jacob M., Jr., to Merck & Co., Inc. Furopyridine sulfonamides and their opthalmological compositions. 4,808,595, 2-28-89, Cl. 514-302.000.

Hoffman, James: *See*—

Larm, Karl O. P.; Hoffman, James; Seljelid, Rolf; and Bogwald, Jarl, 4,795,745, Cl. 514-54.000.

Hoffman, James D., to School Zone Publishing Company. Toy desk unit. 4,807,538, 2-28-89, Cl. 108-25.000.

Hoffman, Jerome J.: *See*—

Leir, Charles M.; Hoffman, Jerome J.; and Stark, John E., 4,833,213, Cl. 525-410.000.

Hoffman, Jerzy, to F L Industries Inc. Electromechanical DC-RF relay. 4,795,994, 1-3-89, Cl. 335-82.000.

Hoffman, Joe G.: *See*—

Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,828,660, Cl. 204-82.000.

Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,855,023, Cl. 204-130.000.

Hoffman, Joe T., to Honeywell, Inc. Flight instrument flag annunciator. 4,821,669, 4-18-89, Cl. 116-45.000.

Hoffman, John F.: *See*—

Lansky, Marc A.; and Clemens, Philip M., 4,821,438, Cl. 40-156.000.

Hoffman, John J., to Jackel, Inc. Split lid for sewage basins. 4,832,227, 5-23-89, Cl. 220-327.000.

Hoffman, John N.; and Greenbaum, Bruce J. Vehicle ash tray. 4,880,266, 11-14-89, Cl. 296-37.900.

Hoffman, John P.: *See*—

Hardy, Gerald D.; Hoffman, John P.; and Kendrick, Larry E., 4,852,657, Cl. 172-2.000.

Hoffman, Joseph J.; and Hutter, Louis K., to Arizona Technology Development Corp. Hydrogenated grindelia acids and their methyl, glycerol and pentaerythritol esters. 4,806,285, 2-21-89, Cl. 260-104.000.

Hoffman, Keith E.; and Geno, Wayne H., to Firestone Tire & Rubber Company, The. Suspension system for vehicles containing combination isolator mount and air spring closure. 4,796,870, 1-10-89, Cl. 267-35.000.

Hoffman, Kenneth, to Plicon Corporation. Patterned adherent film structures and process for making. 4,879,430, 11-7-89, Cl. 428-35.100.

Hoffman, Kenneth A.: *See*—

Anderson, James S.; Hoffman, Kenneth A.; Julis, Jeffrey E.; and Mercado, Malinda, 4,822,659, Cl. 428-99.000.

Hoffman, Leo; Auer, Robert T.; Keats, Richard L.; Roeser, Stephan; and Stern, Lawrence, to Buddy L. Corporation. Blister pack and frame assembly. 4,848,577, 7-18-89, Cl. 206-467.000.

Hoffman, Leslie M., to Lubrizol Genetics, Inc. Method and composition for producing lectin in microorganisms. 4,870,015, 9-26-89, Cl. 435-172.300.

Hoffman, Lewis C.: *See*—

Smith, Edward F., III; and Hoffman, Lewis C., 4,818,730, Cl. 501-15.000.

Hoffman, Louis S.: *See*—

Sanders, Charles B.; Bow, Clark; DeVito, Ralph; and Hoffman, Louis S., 4,795,059, Cl. 222-1.000.

Hoffman, Marcos; Joyner, Jeffrey K.; and Paulik, Jiri, to General Motors Corporation. Electrical switch for door latch. 4,806,712, 2-21-89, Cl. 200-61.620.

Hoffman, Mary V., to General Electric Company. Low pressure mercury discharge fluorescent lamp utilizing multilayer phosphor combination for white color illumination. 4,847,533, 7-11-89, Cl. 313-487.000.

Hoffman, Mary V.: *See*—

Paynter, John; Gillooly, George R.; Soules, Thomas F.; and Hoffman, Mary V., 4,806,824, Cl. 313-486.000.

Hoffman, Michael J., to Wacker Silicones Corporation. Silicone containing emulsions as bladder lubricants. 4,840,742, 6-20-89, Cl. 252-49.500.

Hoffman, Michael R. Soil coring device with a core ejector mechanism. 4,884,638, 12-5-89, Cl. 172-22.000.

Hoffman, Norman E., to AMP Incorporated. Method of making an encoding substrate. 4,827,604, 5-9-89, Cl. 29-622.000.

Hoffman, Reinhold, to Interlock Corporation. Apparatus for applying electrostatically charged particles to the surface of a large metal article. 4,850,302, 7-25-89, Cl. 118-629.000.

Hoffman, Richard L., to Monsanto Company. Method of particle size determination. 4,871,248, 10-3-89, Cl. 356-36.000.

Hoffman, Richard S. Personal floatation devices. 4,871,338, 10-3-89, Cl. 441-116.000.

Hoffman, Robert R.: *See*—

Hofmann, James J.; Hoffman, Robert R.; and Felts, John T., 4,847,469, Cl. 219-273.000.

Hoffman, Robert W.: *See*—

Ekchian, Jack A.; Hoffman, Robert W.; Ekchian, Leon; and Gabriel, Kaigham J., 4,862,160, Cl. 340-825.540.

Hoffman, Steven H. Wall safe simulating an air vent. 4,821,652, 4-18-89, Cl. 109-23.000.

Hoffman, Steven L.; and Rammage, Robert L., to United States of America, Army. Tester for fire-suppression componentry. 4,797,623, 1-10-89, Cl. 324-556.000.

Hoffman, Virginia M.: *See*—

Heath, Allen W.; Hernandez, Raymond; Hoffman, Virginia M.; Sheppard, Ronald K.; and Stratton, Susan D., 4,858,114, Cl. 364-200.000.

Hoffman, Wilfried: *See*—

Dahrendorf, Klaus-Dieter; Huennebeck, Volker; and Hoffman, Wilfried, 4,840,170, Cl. 128-202.260.

Hoffman, William; Lanas, Marcelo; and Weiss, Douglas, to Webcraft Technologies, Inc. Enhanced resolution ink jet printing. 4,839,200, 6-13-89, Cl. 427-265.000.

Hoffman, William C.: *See*—

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Hoffman, William E.: *See*—

Murray, Kevin P.; Hoffman, William E.; and Ansel, Robert E., 4,818,780, Cl. 524-430.000.

Hoffman, William F.; Scolnick, Edward; and Smith, Robert L., to Merck & Co., Inc. HMG-CoA reductase inhibitors. 4,851,436, 7-25-89, Cl. 514-529.000.

Hoffman, William F.; and Lee, Ta J., to Merck & Co., Inc. Novel HMG-CoA reductase inhibitors. 4,857,547, 8-15-89, Cl. 514-460.000.

Hoffman, William F.; Lee, Ta J.; and Rooney, Clarence S., to Merck & Co., Inc. Antihypercholesterolemic compounds. 4,864,038, 9-5-89, Cl. 514-460.000.

Hoffman, William F.; Smith, Robert L.; and Lee, Ta J., to Merck & Co., Inc. Novel HMG-CoA reductase inhibitors. 4,866,090, 9-12-89, Cl. 514-460.000.

Hoffman, William F.; Lee, Ta J.; Smith, Robert L.; and Rooney, Clarence S., to Merck & Co., Inc. Antihypercholesterolemic compounds. 4,876,366, 10-24-89, Cl. 514-570.000.

Hoffman, William F.: *See*—

Lee, Ta J.; and Hoffman, William F., 4,841,074, Cl. 549-292.000.

Lee, Ta J.; Rooney, Clarence S.; and Hoffman, William F., 4,847,306, Cl. 514-824.000.

Lee, Ta J.; and Hoffman, William F., 4,855,456, Cl. 549-214.000.

Lee, Ta J.; Hoffman, William F.; and Rooney, Clarence S., 4,876,279, Cl. 514-510.000.

Hoffman, William W.; and Kraska, Allen R., to Pfizer Inc. Method for inhibiting the degradation of cartilage. 4,808,597, 2-28-89, Cl. 514-311.000.

Hoffman, Winfried: *See*—

Huschka, Hans; and Hoffman, Winfried, 4,869,755, Cl. 136-259.000.

Hoffman, Wolfgang, to B & H Manufacturing Company, Inc. System for applying heat shrink film to containers and other articles and heat shrinking the same. 4,844,957, 7-4-89, Cl. 428-34.700.

Hoffmann, Allan C. Method of making tennis balls or the like. 4,853,057, 8-1-89, Cl. 156-147.000.

Hoffmann, Armin, to Hilti Aktiengesellschaft. Cartridge assembly for flowable masses. 4,871,090, 10-3-89, Cl. 222-81.000.

Hoffmann, Armin: *See*—

Bisping, Heinz; Gahler, Alfred; Hoffmann, Armin; and Popp, Franz, 4,836,729, Cl. 411-82.000.

Hoffmann, Axel: *See*—

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Hoffmann, Dennis, Sr., to PRO Patch Systems, Inc. Flexible corner bead strip. 4,835,925, 6-6-89, Cl. 52-288.000.

Hoffmann, Detlef: *See*—

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Hoffmann, Dietrich: *See*—

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Hoffmann, Elmer L., to Schwalm Electronics Inc. Facial sauna. 4,889,970, 12-26-89, Cl. 219-271.000.

Hoffmann, Erhard-Gunther: *See*—

Simon, Gehard; Hahnel, Peter; and Hoffmann, Erhard-Gunther, 4,839,209, Cl. 428-68.000.

Hoffmann, Erich, to Robert Krups Stiftung & Co. KG. Electric steam iron heated by halogen lamp and having a ceramic sole plate. 4,835,363, 5-30-89, Cl. 219-258.000.

Hoffmann, Erich, to Robert Krups Stiftung & Co. KG. Hot beverage machine with thick film electric heater. 4,888,465, 12-19-89, Cl. 219-301.000.

Hoffmann, Erich, to Robert Krups Stiftung & Co. KG. Machine for making hot tea. 4,888,466, 12-19-89, Cl. 219-301.000.

Hoffmann, Erich, to Robert Krups Stiftung & Co., KG. Machine for making coffee and other hot beverages. 4,888,467, 12-19-89, Cl. 219-301.000.

Hoffmann, Erwin; Pfeil, Hans-Dieter; Dietrich, Werner; and Bock, Rolf, to Bayer Aktiengesellschaft. Process and laminator for the continuous production of laminates of foam with facings. 4,804,425, 2-14-89, Cl. 156-73.600.

Hoffmann, Erwin: *See*—

Krippl, Kurt; Kreuer, Karl D.; and Hoffmann, Erwin, 4,846,099, Cl. 118-323.000.

Hoffmann, Ferdinand: *See*—

Adam, Peter; Hoffmann, Ferdinand; and Rub, Michael, 4,887,916, Cl. 384-192.000.

Hoffmann, Frank F., to Florkey's Conveyor Service, Inc. Wheel lock assembly. 4,798,149, 1-17-89, Cl. 105-155.000.

Hoffmann, Frederic: *See*—

Corteville, Jacques; Pauc, Andre; and Hoffmann, Frederic, 4,860,825, Cl. 166-68.000.

Hoffmann, Friedrich; and Scheller, Franz X., to Daimler-Benz Aktiengesellschaft. Suspension system for rigid vehicle axle. 4,802,689, 2-7-89, Cl. 280-688.000.

Hoffmann, Gerhard; and Kurtz, Karl-Rudolf, to BASF Aktiengesellschaft. Production of flexographic relief plates by photopolymerization and development with a monoterpene developer. 4,806,452, 2-21-89, Cl. 430-306.000.

Hoffmann, Gerhard; Koch, Horst; and Schulz, Guenther, to BASF Aktiengesellschaft. Photosensitive recording materials having a novel graft copolymer binder. 4,849,307, 7-18-89, Cl. 430-271.000.

Hoffmann, Gerhard: *See—*

Boettcher, Andreas; Bronstert, Bernd; and Hoffmann, Gerhard, 4,868,091, Cl. 430-281.000.

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Hoffmann, Gerhart; Irlweck, Karl; and Cordes, Rudolf, to Dynamit Nobel Aktiengesellschaft. Process for the preparation of dimethyl terephthalate. 4,820,862, 4-11-89, Cl. 560-77.000.

Hoffmann, Gunter: *See—*

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Steinhauser, Michael; Hoffmann, Gunter; Weigel, Fritz, deceased; Wittmann, Kurt; and Schafer, Dieter, 4,839,103, Cl. 252-643.000.

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Hoffmann, Hans; and Hees, Bruno, to Bayer Aktiengesellschaft. Process for the electrophoretic formation of selfcleaning enamel free from aluminum on steel sheet parts. 4,822,463, 4-18-89, Cl. 204-181.100.

Hoffmann, Hans: *See—*

Hees, Bruno; and Hoffmann, Hans, 4,883,565, Cl. 204-180.200.

Hoffmann, Hans-Juergen, to Schott Glaswerke. Solid state laser rods for high power conditions. 4,845,721, 7-4-89, Cl. 372-34.000.

Hoffmann, Horst; Kersten, Peter; Volz, Hans; and Seyfried, Ulrich, to Alcatel N.V. Strain gauge. 4,884,453, 12-5-89, Cl. 73-776.000.

Hoffmann, Horst: *See—*

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Hoffmann, Joachim; Karner, Josef; Angstenberger, Dieter; and Zerrer, Gerhard, to Stihl, Andreas. Cutterhead for a vegetation cutter. 4,866,846, 9-19-89, Cl. 30-276.000.

Hoffmann, Karl-Ludwig; Eiden, Gunter; and Morach, Eugen, to Hoechst Aktiengesellschaft. Process for extruding a thermoplastic melt. 4,812,267, 3-14-89, Cl. 264-169.000.

Hoffmann, Klaus: *See—*

Schaefer, Dietmar; and Hoffmann, Klaus, 4,844,826, Cl. 252-49.600.

Hoffmann, Kurt; Kraus, Rainer; and Kowarik, Oskar, to Siemens Aktiengesellschaft. Multi-stage, integrated decoder device having redundancy test enable. 4,855,621, 8-8-89, Cl. 371-20.000.

Hoffmann, Kurt; Oberle, Hans-Dieter; Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, to Siemens Aktiengesellschaft. Method and circuit configuration of the parallel input of data into a semiconductor memory. 4,885,748, 12-5-89, Cl. 371-21.300.

Hoffmann-La Roche Inc.: *See—*

Aig, Edward R.; Coffey, John W.; Lovey, Allen J.; and Rosenberger, Michael, 4,883,613, Cl. 260-408.000.

Aig, Edward R.; Coffey, John W.; Lovey, Allen J.; and Rosenberger, Michael, 4,883,614, Cl. 260-413.000.

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Aschwenden, Werner; Imhof, Rene ; Jakob-Roetne, Roland; and Kyburz, Emilio, 4,883,815, Cl. 514-541.000.

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Barner, Richard; Burri, Kaspar; Cassal, Jean-Marie; Hadvary, Paul; Hirth, Georges; and Muller, Klaus, 4,863,941, Cl. 514-365.000.

Barner, Richard; and Hubscher, Josef, 4,876,369, Cl. 549-411.000.

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Branca, Quirico; Jaunin, Roland; Maki, Hans P.; Marti, Franzi; and Ramuz, Henri, 4,808,605, Cl. 514-394.000.

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Bujard, Hermann; and Le Grice, Stuart, 4,868,111, Cl. 435-68.000.

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Chan, Ka-kong; and Saucy, Gabriel G., 4,831,185, Cl. 560-85.000.

Chan, Ka-Kong; and Saucy, Gabriel G., 4,855,085, Cl. 260-396.00R.

Cirelli, Giorgio; Steffen, Hans; and Surber, Christian, 4,886,499, Cl. 604-131.000.

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Coffen, David L.; Schmid, Rudolf; and Sebastian, Mark J., 4,879,395, Cl. 549-408.000.

Coffen, David L.; Schmid, Rudolf; and Sebastian, Mark J., 4,882,441, Cl. 549-407.000.

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Cohen, Noal, 4,806,661, Cl. 549-407.000.

Cohen, Noal, 4,824,971, Cl. 549-408.000.

Cohen, Noal, 4,877,890, Cl. 549-407.000.

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DeChiara, Thomas M.; and Tarnowski, Stanley J., Jr., 4,816,566, Cl. 530-351.000.

Dobeli, Heinz; and Hochuli, Frich, 4,877,830, Cl. 525-54.300.

Erlemann, Gustav; Fizet, Christian; and Pauling, Horst, 4,833,259, Cl. 549-318.000.

Familletti, Philip C.; and Swanson, Judith W., 4,849,347, Cl. 435-26.000.

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Fischer, Ulf; Schneider, Fernand; and Widmer, Ulrich, 4,889,848, Cl. 514-212.000.

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Furbringer, Claude; and Pauling, Horst, 4,881,993, Cl. 149-46.000.

Furlenmeicr, Andre ; Hofheinz, Werner; Hubschwerlen, Christian N.; and Isenring, Hans P., 4,816,582, Cl. 540-355.000.

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Goeddel, David V.; and Pestka, Sidney, 4,810,645, Cl. 435-68.000.

Hassall, Cedric H.; Lawton, Geoffrey; and Redshaw, Sally, 4,826,980, Cl. 544-224.000.

Hebeisen, Paul, 4,888,429, Cl. 548-194.000.

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Holland, George W.; Rosen, Perry; Maag, Hans; and Lee, Ferdinand, 4,808,734, Cl. 549-465.000.

Hunkeler, Walter; Kyburz, Emilio; and Meier, Marc, 4,863,920, Cl. 514-219.000.

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Jolidon, Synese; Locher, Rita; Kompis, Ivan; Weiss, Ekkehard; and Wyss, Pierre-Charles, 4,806,541, Cl. 514-254.000.

Kaufman, Richard; and Wesolowski, Alex, 4,800,168, Cl. 436-124.000.

Kaufman, Richard A.; Rosenfeld, Henry J.; and Zaunczkowski, Denise, 4,826,773, Cl. 436-105.000.

Keith, Dennis D.; Wei, Chung-Chen; and Weigele, Manfred, 4,801,704, Cl. 540-312.000.

Klaus, Michael, 4,808,631, Cl. 514-561.000.

Klaus, Michael; Loeliger, Peter; and Weiser, Harald, 4,816,476, Cl. 514-443.000.

Klaus, Michael; Loeliger, Peter; Mohr, Peter; and Weiss, Ekkehard, 4,870,219, Cl. 570-189.000.

Klaus, Michael; and Weiss, Ekkehard, 4,876,349, Cl. 546-350.000.

Klotzer, Wilhelm; Link, Helmut; Mussner, Renate; Schiestl, Werner; and Singewald, Nicolas, 4,814,332, Cl. 514-235.800.

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Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., 4,851,519, Cl. 536-23.000.

Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., 4,882,316, Cl. 514-49.000.

Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., 4,886,785, Cl. 514-50.000.

Lancesseur, Francois; and Mandin, Claude, 4,805,789, Cl. 215-6.000.

Link, Helmut; Montavon, Marc; Karpitschka, Eva M.; Klotzer, Wilhelm; and Mussner, Renate, 4,831,151, Cl. 514-398.000.

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Maestrone, Gianpaolo; Schildknecht, Eugene G.; and Untawale, Govind G., 4,839,382, Cl. 514-453.000.

McNally, Alan J.; Schwartz, Alan; and Usategui, Magdalena, 4,833,073, Cl. 435-7.000.

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Mohacsi, Erno; and O'Brien, Jay P., 4,808,580, Cl. 514-211.000.

Mohacsi, Erno, 4,864,058, Cl. 562-427.000.

Pak, Charles Y. C.; Uskokovic, Milan R.; and Zerwekh, Joseph E., 4,883,791, Cl. 514-167.000.

Pauling, Horst; and Wehrli, Christof, 4,841,070, Cl. 549-34.000.

Ruttimann, August; and Buchi, George H., 4,853,156, Cl. 260-396.00R.

Schmid, Gerard, 4,816,581, Cl. 540-359.000.

Siddiqi, Iqbal; and Wuhrmann, Hans-Rudolf, 4,859,306, Cl. 204-416.000.

Siddiqi, Iqbal; and Wuhrmann, Hans-Rudolf, 4,867,860, Cl. 204-418.000.

Tam, Steve; Weigele, Manfred; Broger, Samuel; and Mitsuya, Hiroaki, 4,837,311, Cl. 536-22.000.

Welton, Ann F., 4,885,309, Cl. 514-456.000.

Wenger, Jean; and Winternitz, Paul, 4,812,164, Cl. 71-92.000.

Wenger, Jean; and Winternitz, Paul, 4,859,229, Cl. 71-92.000.

Wessel, Hans P., 4,885,361, Cl. 536-118.000.

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Hoffmann-LaRoche Inc.: *See—*

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Garthoff, Bernward; Gerold, Marcel; Hefti, Fridolin; Kazda, Stanislav; and Knorr, Andreas, 4,859,665, Cl. 514-221.000.

Link, Helmut, 4,808,727, Cl. 548-337.000.

Hoffmann, Manfred; Tonhauser, Johann; and Karg, Dieter, to Dr. Alois Stankiewicz GmbH. Adhesive insulation system. 4,825,974, 5-2-89, Cl. 181-290.000.

Hoffmann, Michael, to Ant Nachrichtentechnik GmbH. Method for recovering a phase difference signal. 4,811,363, 3-7-89, Cl. 375-83.000.

Hoffmann, Michael, to Ant Nachrichtentechnik GmbH. Method of obtaining a phase difference signal. 4,843,616, 6-27-89, Cl. 375-81.000.

Hoffmann, Michael, to ANT Nachrichtentechnik GmbH. Method for recovering a control signal for controlling the phase of a local carrier signal. 4,860,320, 8-22-89, Cl. 375-83.000.

Hoffmann, Michael A.; and Schmitt, Robert J., to Memtec North America Corp. Selective twist filtration roving. 4,801,383, 1-31-89, Cl. 210-494.100.

Hoffmann, Michael R.; Arnold, Robert G.; and Stephanopoulos, Gregory, to California Institute of Technology. Microbial reduction of iron ore. 4,880,740, 11-14-89, Cl. 435-168.000.

Hoffmann, Peter; Buschmann, Gerhard; Leichter, Hans; and Welp, Ewald G., to Jagenberg Aktiengesellschaft. Measuring device for the pressing zone width of a roller on a roll of material and process and controller for making the roll with a predetermined roll hardness. 4,817,883, 4-4-89, Cl. 242-66.000.

Hoffmann, Peter: *See—*

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Muller, Georg; Buschmann, Gerhard; and Hoffmann, Peter, 4,846,417, Cl. 242-65.000.

Hoffmann, Peter D.; and Smith, Franklin R., to Borg-Warner Transmission and Engine Components Corporation. Sprocket retention/chain guide assembly. 4,869,708, 9-26-89, Cl. 474-140.000.

Hoffmann, Ralph M., to Compression Technologies, Inc. Swiveling mount for the outlet of a pressure vessel. 4,827,983, 5-9-89, Cl. 137-899.400.

Hoffmann, Ralph M. Center-fill top cover for oilers. 4,884,661, 12-5-89, Cl. 184-88.100.

Hoffmann, Reiner; and Jaggy, Peter, to Richard Wolf GmbH. Circuit for a flash stroboscope for examining vocal chord functions. 4,807,291, 2-21-89, Cl. 381-49.000.

Hoffmann, Ruediger; Feichtiger, Dieter; and Schwerdt, Paul, to Daimler-Benz Aktiengesellschaft. Valve arrangement with main shifting valve and pilot control valve. 4,796,662, 1-10-89, Cl. 137-596.160.

Hoffmann, Ruediger; Feichtiger, Dieter; Schumacher, Josef; Haller, Peter H.; and Heimbrodt, Klaus-J., to Daimler-Benz Aktiengesellschaft; Bornemann & Haller KG; and Walter Alfmeier GmbH & Co. Adjusting drive. 4,811,562, 3-14-89, Cl. 60-370.000.

Hoffmann, Ruediger: *See—*

Heimbrodt, Klaus-J.; Simon, Dieter; Feichtiger, Dieter; Kneib, Rudi; Weikert, Gunther; Schneider, Wolfgang; Hoffmann, Ruediger; and Reinhard, Theodor, 4,827,976, Cl. 137-606.000.

Hoffmann, Thomas; Mayr, Ernst; and Saller, Helmut, to Siemens Aktiengesellschaft. Method for manufacturing a light waveguide cable. 4,857,242, 8-15-89, Cl. 264-1.400.

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Mueller, William A.; and Hoffmann, Wolfgang, 4,796,459, Cl. 72-354.000.

Hoffmann, Wolfram: *See—*

Lehmann, Hanno; Vennewald, Werner; and Hoffmann, Wolfram, 4,820,539, Cl. 426-581.000.

Hoffmann's Starkefabriken AG: *See—*

Burmeister, Dieter; and Marzinkowski, Joachim, 4,818,242, Cl. 8-115.600.

Hoffmeister, Hermann; Puvogel, Klaus; and Schniederjan, Reinhold, to Hydromatik GmbH. Summation power output regulating system for at least two hydrostatic transmissions. 4,880,359, 11-14-89, Cl. 417-216.000.

Hoffmeyer, William C.: *See—*

Case, Manson D.; Wilfong, Harry B., Jr.; and Hoffmeyer, William C., 4,849,090, Cl. 206-390.000.

Hoffrichter, Bernd; Pavelka, Bozidar; Pfefferkorn, Dietmar; Schaeffer, Norbert; and Goetz, Klaus, to BASF Aktiengesellschaft. Right parallelepiped cassette for tape-like recording media, and housing part thereof. 4,809,928, 3-7-89, Cl. 242-199.000.

Hoffstein, Mark F.; and Shinagawa, Takehisa, to Rodel, Inc. Inverted cell pad material for grinding, lapping, shaping and polishing. 4,841,680, 6-27-89, Cl. 51-283.00R.

Hoffstein, Sylvia T.: *See—*

Gleason, John G.; Hoffstein, Sylvia T.; Kinzig, Charles M.; Mong, Seymour; and Sarau, Henry M., 4,871,771, Cl. 514-570.000.

Hofheins, Leonard L.: *See—*

Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, Cl. 380-23.000.

Hofheinz, David E.: *See—*

Kortright, Kenneth H.; Hofheinz, David E.; and Toedter, Gary P., 4,865,971, Cl. 435-7.000.

Kortright, Kenneth H.; Hofheinz, David E.; Allman, David M.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,870,003, Cl. 435-5.000.

Kortright, Kenneth H.; Hofheinz, David E.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,886,742, Cl. 435-5.000.

Kortright, Kenneth H.; Hofheinz, David E.; Sullivan, Carole; and Toedter, Gary P., 4,888,290, Cl. 435-240.270.

Hofheinz, Walter: *See—*

Grutzmacher, Bertold; and Hofheinz, Walter, 4,863,139, Cl. 248-618.000.

Hofheinz, Werner: *See—*

Furlenmeier, Andre ; Hofheinz, Werner; Hubschwerlen, Christian N.; and Isenring, Hans P., 4,816,582, Cl. 540-355.000.

Hofinger, Herbert: *See—*

Heuwinkel, Lothar; and Hofinger, Herbert, 4,859,869, Cl. 307-117.000.

Hofinger, Manfred: *See—*

Bose, Willibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,110, Cl. 252-341.000.

Bose, Wllibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,111, Cl. 252-344.000.

Ohlendorf, Dieter; and Hofinger, Manfred, 4,828,765, Cl. 260-501.150.

Hofius, David V.: *See—*

Ketcham, Kenneth E.; Barry, John; and Hofius, David V., 4,870,706, Cl. 2-2.000.

Hofius, Walter E. Vehicle leveling and stabilizing apparatus. 4,887,359, 12-19-89, Cl. 33-366.000.

Hofler, Thomas J.: *See—*

Wheatley, John C.; Swift, Gregory W.; Migliori, Albert; and Hofler, Thomas J., 4,858,441, Cl. 62-6.000.

Hofler, Willy: *See—*

Bertz, Hans-Ulrich, 4,841,644, Cl. 33-179.50R.

Bertz, Hans-Ulrich, 4,852,402, Cl. 73-162.000.

Hofmann, Bernhard: *See—*

Grosse, Jurgen; Schimmel, Gunther; and Hofmann, Bernhard, 4,834,960, Cl. 423-316.00

Hofmann, Eberhard; and Esch[illegible] mon, to Schubert & Salzer. Chiplessly formed open-end spinning rotor and process for production of such and open-end spinning rotor. 4,848,080, 7-18-89, Cl. 57-416.000.

Hofmann, Elsa O. Outer space travelling board game. 4,804,190, 2-14-89, Cl. 273-250.000.

Hofmann, Ernst: *See—*

Himmele, Walter; Theobald, Hans; Merger, Franz; Hofmann, Ernst; Kuenast, Christoph; and Hofmeister, Peter, 4,876,275, Cl. 514-452.000.

Hofmann, Friedbert: *See—*

Buehler, Volker; Hofmann, Friedbert; and Heinz, Robert, 4,800,086, Cl. 424-497.000.

Hofmann, Frieder: *See—*

Bendig, Lothar; and Hofmann, Frieder, 4,796,807, Cl. 239-102.200.

Hofmann, Frieder K.: *See—*

Wrasidlo, Wolfgang J.; Hofmann, Frieder K.; and DeWinter, Dirk M., 4,853,128, Cl. 210-636.000.

Wrasidlo, Wolfgang J.; Hofmann, Frieder K.; and Mysels, Karol J., 4,855,162, Cl. 427-243.000.

Hofmann, Gunter; and Ruger, Herbert, to Langenstein & Schemann GmbH. Hydraulic cold extrusion press. 4,831,861, 5-23-89, Cl. 72-354.000.

Hofmann, Gunter A.: *See—*

Dunn, Joseph E.; Clark, R. Wayne; Asmus, John F.; Pearlman, Jay S.; Boyer, Keith; Painchaud, Fraincois; and Hofmann, Gunter A., 4,871,559, Cl. 426-248.000.

Hofmann, Hans; and Wendt, Hartmut, to Messerschmitt-Bolkow-Blohm GmbH. Cell arrangement for a filter press type stack of cells. 4,869,800, 9-26-89, Cl. 204-253.000.

Hofmann, Hans-Joachim: *See—*

Durr, Walter S.; Hofmann, Hans-Joachim; and Bollmann, Andreas B., 4,842,478, Cl. 415-169.200.

Hofmann, Hans-Jurgen: *See—*

Wagner, Fritz; Syldatk, Christoph; Matulowic, Uwe; Hofmann, Hans-Jurgen; Sewe, Kai-Udo; and Lindorfer, Walter, 4,814,272, Cl. 435-74.000.

Hofmann, Heinrich; and Troster, Manfred, to FAG Kugelfischer Georg Schafer (KGaA). Double-row anti-friction bearing, particularly for wheels of automotive vehicles. 4,804,233, 2-14-89, Cl. 301-124.00R.

Hofmann, Heinrich; and Troster, Manfred, to FAG Kugelfischer Georg Schafer (KGaA). Cage for tapered roller bearings. 4,812,058, 3-14-89, Cl. 384-563.000.

Hofmann, Heinrich; and Glas, Gunther, to FAG Kugelfischer Georg Schafer (KGaA). Cage for tapered roller bearing. 4,824,265, 4-25-89, Cl. 384-560.000.

Hofmann, Heinrich: *See—*

Troster, Manfred; and Hofmann, Heinrich, 4,887,917, Cl. 384-543.000.

Hofmann, Ingrid; Mutschler, Ernst; and Christner, Angelika, to Roehm GmbH Chemische Fabrik. Pharmaceutically efficacious pteridine derivatives. 4,874,763, 10-17-89, Cl. 514-249.000.

Hofmann, James J.; Hoffman, Robert R.; and Felts, John T., to BOC Group, Inc., The. Controlled flow vaporizer. 4,847,469, 7-11-89, Cl. 219-273.000.

Hofmann, James L.: *See—*

Holtermann, Theodore J.; and Hofmann, James L., 4,820,213, Cl. 440-88.000.

Hofmann, Karl: *See—*

Banzhaf, Werner; Eblen, Ewald; Faber, Heinrich; Giersch, Rolf J.; Hofmann, Karl; Liedtke, Dieter; and Norberg, Helmut, 4,801,095, Cl. 239-533.300.

Hofmann, Karl R.: *See—*

Kohn, Erhard; and Hofmann, Karl R., 4,855,797, Cl. 357-22.000.

Hofmann, Klaus; Buhler, Ulrich; and Dietz, Erwin, to Cassella Aktiengesellschaft. Liquid formulations of disperse dyestuffs containing inorganic oxides or silicates for dyeing textile materials. 4,812,143, 3-14-89, Cl. 8-528.000.

Hofmann, Klaus: *See—*

Blersch, Eberhard; Burr, August; and Hofmann, Klaus, 4,798,692, Cl. 264-40.600.

Buhler, Ulrich; Hofmann, Klaus; and Hahnke, Manfred, 4,872,883, Cl. 8-639.000.

Hofmann, Manfred, to Hydrotechnik GmbH. Plug coupling. 4,794,937, 1-3-89, Cl. 137-614.050.

Hofmann, Manfred: *See—*

Bitschkus, Horst; Hofmann, Manfred; Klockner, Karl-Heinz; Nelles, Uwe; and Siewert, Gunther, 4,852,864, Cl. 267-219.000.

Jaissle, Hans-Ulrich; Hofmann, Manfred; and Geiger, Dietrich, 4,817,268, Cl. 29-568.000.

Hofmann, Norbert; and Spotka, Rudolf, to TA Triumph-Adler Aktiengesellschaft. Ribbon cassette and method for operating an electronically controlled typewriter. 4,797,018, 1-10-89, Cl. 400-249.000.

Hofmann, Norbert: *See—*

Welschof, Hans-Heinrich; Beier, Rudolf; and Hofmann, Norbert, 4,835,829, Cl. 29-159.300.

Hofmann, Otto, to Messerschmitt-Bolkow-Blohm GmbH. Method and apparatus for image recording of an object. 4,814,607, 3-21-89, Cl. 250-235.000.

Hofmann, Peter: *See—*

Lueders, Harald; and Hofmann, Peter, 4,847,368, Cl. 536-18.600.

Rasberger, Michael; Hofmann, Peter; Meier, Hans R.; and Dubs, Paul, 4,798,822, Cl. 546-15.000.

Stegmann, Werner; Troxler, Eduard; Hofmann, Peter; Meier, Hans-Rudolf; and Dubs, Paul, 4,863,982, Cl. 524-101.000.

Hofmann, Raimund, to Folkmar, Jan. Spice dispenser arrangement. 4,802,608, 2-7-89, Cl. 222-142.100.

Hofmann, Raimund, to Folkmar, Jan. Lid, in particular for shakers. 4,828,130, 5-9-89, Cl. 215-317.000.

Hofmann, Reiner; and Sanner, Axel, to BASF Aktiengesellschaft. Photosensitive photopolymerizable recording element containing a terpolymer binder. 4,806,449, 2-21-89, Cl. 430-281.000.

Hofmann, Reiner; and Sanner, Axel, to BASF Aktiengesellschaft. Photosensitive photopolymerizable recording element having a terpolymer binder in the photopolymerizable layer. 4,806,450, 2-21-89, Cl. 430-281.000.

Hofmann, Ruediger, to Siemens Aktiengesellschaft. Broadband signal switching apparatus. 4,801,936, 1-31-89, Cl. 340-825.910.

Hofmann-Sievert, Rita: *See—*

Schar, Rudolf W.; and Hofmann-Sievert, Rita, 4,826,313, Cl. 356-51.000.

Hofmann Werkstatt Technik GmbH: *See—*

Goebel, Eickhart, 4,817,429, Cl. 73-459.000.

Himmler, Gunther, 4,854,168, Cl. 73-459.000.

Hofmann, William H., to Vi-Jon Laboratories, Inc. Nail polish remover. 4,824,662, 4-25-89, Cl. 424-61.000.

Hofmann, Wolfgang: *See—*

Iwatschenko, Peter; Wolkenstrorfer, Wolfgang; Hofmann, Wolfgang; and Prell, Walter, 4,811,928, Cl. 251-7.000.

Hofmeister, Dennis D., to Lean & Free Products, Inc. Method of producing lean meat. 4,826,692, 5-2-89, Cl. 426-2.000.

Hofmeister, Helmut; Laurent, Henry; and Wiechert, Rudolf, to Schering Aktiengesellschaft. Process for the preparation of (Z)-17α-halovinyl steroids. 4,885,117, 12-5-89, Cl. 260-397.450.

Hofmeister, Peter: *See—*

Buerstinghaus, Rainer; Hofmeister, Peter; and Kuenast, Christoph, 4,859,706, Cl. 514-624.000.

Himmele, Walter; Theobald, Hans; Merger, Franz; Hofmann, Ernst; Kuenast, Christoph; and Hofmeister, Peter, 4,876,275, Cl. 514-452.000.

Seppelt, Wolfgang; Sproesser, Linhard; Kersten, Siegfried; Hofmeister, Peter; and Kuenast, Christoph, 4,855,140, Cl. 424-405.000.

Seppelt, Wolfgang; Hofmeister, Peter; and Kuenast, Christoph, 4,880,837, Cl. 514-594.000.

Hofnung, Maurice; Quillardet, Philippe; Perrin, David; Huisman, Olivier; and D'Ari, Richard, to Institut Pasteur. Method for detecting the mutagenicity of substances susceptible of inducing the deterioration of cellular DNA, utilizing the production of an SOS response. 4,849,335, 7-18-89, Cl. 435-6.000.

Hofrichter, Gerhard, to Messerschmitt-Bolkow-Blohm GmbH. Landing flap system. 4,881,704, 11-21-89, Cl. 244-213.000.

Hofrichter, Hans-Gerhard, to Messerschmitt-Bolkow-Blohm GmbH. Cover for flap guide rails in aircraft wings. 4,854,528, 8-8-89, Cl. 244-215.000.

Hofrichter, James W.: *See—*

White, David A.; Hofrichter, James W.; and VanDuser, Harold J., 4,889,389, Cl. 297-468.000.

Hofsass, Peter. Temperature-sensitive switch with a casing. 4,849,729, 7-18-89, Cl. 337-102.000.

Hofsass, Peter. Insulating casing for thermal switches. 4,887,063, 12-12-89, Cl. 337-380.000.

Hofstatter, Peter: *See—*

Frantl, Erich; Hofstatter, Peter; Zemler, Willibald; Raunicher, Albert P.; and Frantl, Werner, 4,822,198, Cl. 403-170.000.

Frantl, Erich; and Hofstatter, Peter, 4,836,967, Cl. 264-69.000.

Hofstede, Wilhelmus. Foldable box and blank therefor. 4,860,948, 8-29-89, Cl. 229-143.000.

Hofstotter, Harald: *See—*

Wittich, Kurt; and Hofstotter, Harald, 4,826,254, Cl. 303-6.010.

Hoftman, Mike: *See—*

Sandel, Dan; and Hoftman, Mike, 4,842,138, Cl. 206-370.000.

Hoftman, Moshe M.: *See—*

Barron, John M.; Horan, Robert T.; Hoftman, Moshe M.; Noack, William L.; and Sandel, Dan, 4,844,252, Cl. 206-223.000.

Hogan, Brian D.: *See—*

Stewart, David B.; Dickinson, John M. C.; and Hogan, Brian D., 4,825,511, Cl. 19-85.000.

Hogan, J. Martin, to City of Hope National Medical Center. Sheath for butterfly needles. 4,820,282, 4-11-89, Cl. 604-263.000.

Hogan, J. Martin, to City of Hope. Anchoring mechanism for an adjustable length percutaneous drainage catheter. 4,869,719, 9-26-89, Cl. 604-174.000.

Hogan, James P.: *See—*

Lynch, Daniel; and Hogan, James P., 4,864,598, Cl. 379-6.000.

Hogan, Jerry C.: *See—*

Newman, George E.; Palacios, Hugo J.; and Hogan, Jerry C., 4,813,203, Cl. 52-204.000.

Hogan, Jim S. Apparatus for the treatment of waste. 4,872,954, 10-10-89, Cl. 202-105.000.

Hogan, John D., to Beth Israel Hospital Association, The. Isolation, sterilization and maximum observation tent. 4,885,000, 12-5-89, Cl. 600-21.000.

Hogan, John M., to City of Hope National Medical Center. Safety device and method for removal and disposal of medical needles 4,842,586, 6-27-89, Cl. 604-192.000.

Hogan, Lawrence R.; Mittleman, Herbert; Oilschlager, Edward G.; Rouch, Ellen; and Rudzena, William L., to Baxter Healthcare Corporation. Fluid communication device. 4,823,833, 4-25-89, Cl. 137-567.000.

Hogan, Mark R.: *See—*

Neville, Donald G.; Giordano, David A.; and Hogan, Mark R., 4,877,106, Cl. 181-224.000.

Hogan, Martin J., to General Motors Corporation. Unitized bearing seal assembly. 4,822,055, 4-18-89, Cl. 277-27.000.

Hogan, Michael J.: *See—*

Bessinger, Walter L.; and Hogan, Michael J., 4,871,136, Cl. 248-250.000.

Hogan, Patrick M.; Parr, Bobby J.; and Hooper, Manuel B., to Day International Corporation. Interlocking rubber-jacketed end cap and a rubber-covered roll. 4,864,704, 9-12-89, Cl. 29-119.000.

Hogan, Paul J.; Sanders, Evan; and DiGirolamo, Robert, to Playground Clearing House, Inc. Surface resiliency tester. 4,856,318, 8-15-89, Cl. 73-12.000.

Hogan, Robert J.: *See—*

Brown, Ronald E.; Hogan, Robert J.; Coombs, Daniel M.; and Kukes, Simon G., 4,885,080, Cl. 208-218.000.

Hogan, Thomas J., Jr.; Kasprick, Jon J.; Anderson, Donald R.; and Kersh, Douglas W., to Boeing Company, The. Test system and method using artificial intelligence control. 4,841,456, 6-20-89, Cl. 364-550.000.

Hogan, William C.; and Gierhart, Dennis O., to Ralston Purina Company. High moisture animal food product containing a filamentous fungal biomass. 4,800,093, 1-24-89, Cl. 426-46.000.

Hoganas AB: *See—*

Ivarsson, Lennart; and Lundqvist, Rolf, 4,806,168, Cl. 106-104.000.

Hoganasmobler AB: *See—*

Giselsson, Jan R. F., 4,848,841, Cl. 297-423.000.

Hoganson, Robert B.: *See—*

Klees, David A.; Hoganson, Robert B.; and Data, Harry L. 4,887,422, Cl. 57-220.000.

Hogarth, Ian: *See—*

Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, 4,884,908, Cl. 400-241.200.

Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, 4,886,386, Cl. 400-241.400.

Hoge, Carl E.: *See—*

Patterson, Timothy P.; and Hoge, Carl E., 4,843,188, Cl. 174-52.400.

Hoge, Charles, to Enerwest, Inc. Measuring device. 4,843,721, 7-4-89, Cl. 33-802.000.

Hoge, Ross: *See—*

Farish, H. Greggs; and Hoge, Ross, 4,811,880, Cl. 226-197.000.

Hoge, Ross A., to M-A-N Ashton Inc. Folder for business forms press. 4,872,658, 10-10-89, Cl. 270-39.000.

Hoge, William H., to Alupower, Inc. Air cathodes and materials therefor. 4,885,217, 12-5-89, Cl. 429-27.000.

Hogen Esch, Johannes H. L.; and de Jong, Hendrik J., to N.V. Nederlandsche Apparatenfabriek Nedap. Detection plate having pin-shaped attachment means. 4,847,592, 7-11-89, Cl. 340-572.000.

Hogg, Bevil J.: *See—*

Duplessis, Delano A.; and Hogg, Bevil J., 4,828,781, Cl. 264-250.000.

Hogg, David C., to United States of America, Commerce. Covered inverted offset cassegrainian system. 4,866,457, 9-12-89, Cl. 343-781.0CA.

Hogg, Dennis, to Micropolis Corporation. Low power buffer amplifier. 4,803,442, 2-7-89, Cl. 330-274.000.

Hogg, Jeffrey; and Harwood, Joseph T., to Town Centre Securities, PLC. Glass panel mounting assembly. 4,841,697, 6-27-89, Cl. 52-208.000.

Hogg, Judy S.; Abbondandolo, Michael; and Brink, Patricia J. Sunshield with openings. 4,838,334, 6-13-89, Cl. 160-370.200.

Hogg, Tad; and Huberman, Bernardo A., to Xerox Corporation. Adaptive processor array capable of learning variable associations useful in recognizing classes of inputs. 4,835,680, 5-30-89, Cl. 364-200.000.

Hoggan Health Industries, Inc.: *See—*

Hoggan, Lynn D.; Van Wagoner, Earl, III; and Balogh, Edward N., 4,799,671, Cl. 272-118.000.

Hoggan, Lynn D.; Van Wagoner, Earl, III; and Balogh, Edward N., to Hoggan Health Industries, Inc. Weight lifting exercise apparatus. 4,799,671, 1-24-89, Cl. 272-118.000.

Hoggard, Dale B.; and Park, Han K., to Vesuvius Crucible Company. Prevention of Al_2O_3 formation in pouring nozzles and the like. 4,870,037, 9-26-89, Cl. 301-97.000.

Hoggard, Dale B.: *See—*

Fishler, Mark K.; and Hoggard, Dale B., 4,871,698, Cl. 501-97.000.

Hogle, Doreen M.: *See—*

Smith, Richard S.; Hogle, Doreen M.; Curtiss, Linda K.; Witztum, Joseph L.; and Young, Steven, 4,828,986, Cl. 435-7.000.

Hogle, Gregory A. Protective glove and method of manufacture. 4,881,277, 11-21-89, Cl. 2-169.000.

Hoglinger, Gerhard: *See—*

Hartel, Volker; Hoglinger, Gerhard; and Schreiber, Hans, 4,846,917, Cl. 156-286.000.

Hoglund, Kjell: *See—*

Andersson, Rolf J.; Pajes, Chajkiel; Hoglund, Kjell; Nilsson, Tore; Husebye, Ragnar; Hoyland, Sigbjorn; Lindland, Hans; Mong, Tore; and Nesse, Erling, 4,805,951, Cl. 294-116.000.

Hoglund, Lars O.; and Eschrich, Hubert R. Encapsulated ion-exchange resin and a method for its manufacture. 4,847,006, 7-11-89, Cl. 252-628.000.

Hognelid, Kurt: *See—*

Lekholm, Anders; Sall, Gosta; Wecke, Liliane; and Hognelid, Kurt, 4,869,251, Cl. 128-419.0PG.

Hogrefe, Arthur F.: *See—*

Lesho, Jeffery C.; and Hogrefe, Arthur F., 4,844,076, Cl. 128-631.000.

Hogshead, Howard P.: *See—*

Bremer, Ross L.; and Hogshead, Howard P., 4,840,362, Cl. 269-328.000.

Hogstrom, Bjarne: *See—*

Lindqvist, Bengt; Hogstrom, Bjarne; Sandberg, Martin; and Nilsson, Per I., 4,795,461, Cl. 623-6.000.

Hogstrom, Harold R. Treadle assembly for throwing armor piercing charges. 4,850,277, 7-25-89, Cl. 102-404.000.

Hogue, John H. Method for reinforcing the neck of a violin. 4,836,077, 6-6-89, Cl. 84-293.000.

Hogue, Joseph, Jr.: *See—*

Adur, Ashok M.; and Hogue, Joseph, Jr., 4,833,195, Cl. 524-528.000.

Hohberg, Gerhard: *See—*

Gerlinger, Hermann; Hohberg, Gerhard; and Schneider, Horst, 4,802,763, Cl. 356-319.000.

Hohe KG: *See—*

Gillet, Jean-Luc, 4,889,308, Cl. 248-485.000.

Polzer, Herwig W., 4,848,888, Cl. 350-631.000.

Polzer, Herwig W.; and Seitz, Edwin, 4,856,886, Cl. 350-635.000.

Seitz, Edwin, 4,863,255, Cl. 350-635.000.

Seitz, Edwin, 4,884,776, Cl. 248-481.000.

Hoheisel, Martin; Brunst, Gerhard; and Holzenkaempfer, Enno, to Siemens Aktiengesellschaft. Highly blocking thin film diode having a-Si:H for image sensor rows. 4,882,296, 11-21-89, Cl. 437-184.000.

Hohenshil, Robert N.: *See—*

Putt, James C.; and Hohenshil, Robert N., 4,878,647, Cl. 251-30.050.

Hohenstatt, Martin, to Degussa Aktiengesellschaft. Temperature compensation for a thermal mass flow meter. 4,845,984, 7-11-89, Cl. 73-204.150.

Hohenstatt, Martin: *See—*

Eiermann, Kurt; Goebel, Reiner; Gries, Peter; and Hohenstatt, Martin, 4,805,452, Cl. 73-204.260.

Hohenwarter, Gert K. G.; and Grange, John A., to Hypres, Incorporated. Cryogenic fluid delivery system. 4,870,830, 10-3-89, Cl. 62-50.700.

Hohenwarter, Gert K. G.: *See—*

Faris, Sadeg M.; Hohenwarter, Gert K. G.; and Whiteley, Stephen R., 4,809,133, Cl. 361-385.000.

Hohenwarter, Mark, to Serotonin Industries of Charleston. Method and composition for treating obesity, drug abuse, and narcolepsy. 4,843,071, 6-27-89, Cl. 514-217.000.

Hohjoh, Tadashi: *See—*

Hayashi, Seiichi; Hohjoh, Tadashi; Shida, Atsuhiko; and Ikekawa, Nobuo, 4,886,544, Cl. 71-88.000.

Hohki, Tetsuo: *See—*

Sano, Tetsuo; Hohki, Tetsuo; Kodama, Eiji; Yoshida, Takumi; Kawatani, Masafumi; and Tsujinaka, Hisayuki, 4,799,175, Cl. 364-552.000.

Hohkita, Atsushi, to Hitachi, Ltd. Gas turbine driven by exhaust gas from internal combustion engine and method of controlling the same. 4,809,509, 3-7-89, Cl. 60-605.100.

Hohle, Hans-Michael; Pick, Werner; and Malakas, Michael, to Perkin-Elmer Corp., The. Vacuum plasma spray system with sealed manipulator. 4,820,900, 4-11-89, Cl. 219-121.470.

Hohlein, Bernd: *See—*

Range, Jochen; Hohlein, Bernd; Niessen, Hans; Vau, Volker; Schiebahn, H. J. R.; Hoffmann, Horst; and Vorwerk, Manfred, 4,839,391, Cl. 518-712.000.

Hohlein, Peter; Kreiss, Eberhard; Mory, Franz; and Riberi, Bernd, to Bayer Aktiengesellschaft. Polyhydroxyl compounds containing ester and ether groups as reactive diluents. 4,798,859, 1-17-89, Cl. 525-7.000.

Hohlein, Peter; Kreiss, Eberhard; Pedain, Josef; and Scholl, Hans-Joachim, to Bayer Aktiengesellschaft. Binder containing ester groups and urethane groups, process for producing and use in the production of coatings. 4,814,410, 3-21-89, Cl. 528-74.500.

Hohlein, Peter: *See—*

Dietrich, Manfred; Pedain, Josef; Konig, Klaus; and Hohlein, Peter, 4,803,246, Cl. 525-124.000.

Wamprecht, Christian; Schonfelder, Manfred; Hohlein, Peter; and Kahl, Lothar, 4,837,273, Cl. 525-66.000.

Hohlfeld, Ronald W.: *See—*

Schuetz, James E.; Hohlfeld, Ronald W.; and Meridith, Brenda C., 4,864,002, Cl. 525-204.000.

Hohloch, Manfred; Owen, Stephen; Steffen, Walter; and Stumm, Wolfgang, to Rheometron AG. Mass flow meter with equipment for determination of the coriolis force. 4,825,705, 5-2-89, Cl. 73-861.380.

Hohlwegler, Heinrich: *See—*

Brombach, Hansjorg; and Markland, Eric, 4,810,130, Cl. 405-80.000.

Brombach, Hansjorg; and Hohlwegler, Heinrich, 4,816,156, Cl. 210-512.100.

Hohman, Jeffrey L.: *See—*

Hope, James E.; Leyerle, John C.; Birzer, Richard; and Hohman, Jeffrey L., 4,842,005, Cl. 137-101.190.

Hohmann & Barnard, Inc.: *See—*

Hohmann, Ronald P., 4,875,319, Cl. 52-383.000.

Hohmann, Gerhard: *See—*

Casper, Rudolf; Wendling, Peter; Konter, Wolfgang; and Hohmann, Gerhard, 4,839,447, Cl. 526-225.000.

Musch, Rudiger; Muller, Eberhard; Hohmann, Gerhard; and Schabel, Karl-Heinz, 4,857,616, Cl. 526-204.000.

Hohmann, Lothar M.: *See—*

Albertelli, Aldino; Hohmann, Lothar M.; and Curtis, Anthony N., 4,843,103, Cl. 521-83.000.

Hohmann, Ronald P., to Hohmann & Barnard, Inc. Seismic construction system. 4,875,319, 10-24-89, Cl. 52-383.000.

Hohmann, Wolfgang; Schopf, Peter-Michael; Gerkhardt, Klaus; and Kocjancic, Bogdan, to Scheu-Dental Inhaber Rudolf Scheu. Method and apparatus for removal of objects glued onto dental enamel, in particular brackets. 4,824,366, 4-25-89, Cl. 433-32.000.

Hohmeyer, Michael E.: *See—*

Sarno, Gregory G.; Williams, Robert J.; and Hohmeyer, Michael E., 4,822,029, Cl. 272-69.000.

Hohn, Fritz J.: *See—*

Donohue, Thomas P.; Hohn, Fritz J.; and Sai-Halasz, George A., 4,871,919, Cl. 250-491.100.

Golladay, Steven D.; Hohn, Fritz J.; and Pfeiffer, Hans C., 4,843,330, Cl. 324-158.00R.

Hohn, Marlin W., to MDS Manufacturing Co., Inc. Attachment device for front end loaders. 4,846,624, 7-11-89, Cl. 414-723.000.

Hohne, Harold, to Nynex Corporation. Optical moisture sensor using an expanded optical beam. 4,866,265, 9-12-89, Cl. 250-227.000.

Hohnel, Rainer: *See—*

Premiski, Vladimir; Hohnel, Rainer; Wehren, Wilhelm; and Graef, Kurt, 4,825,725, Cl. 74-762.000.

Hoholick, Joseph: *See—*

Glass, Michael; Hoholick, Joseph; Dombroski, Amy; and Faust, Steven M., 4,800,091, Cl. 426-3.000.

Glass, Michael; Hoholick, Joseph; Malinowski, Eva K.; Dokuzovic, Zdravko; and Bodor, Zoltan, 4,822,621, Cl. 426-5.000.

Hohrman, Harlan W. Removable trailer hitch. 4,883,285, 11-28-89, Cl. 280-491.500.

Hoigaard, Jan C. Electrostatic system monitor and method therefor. 4,859,992, 8-22-89, Cl. 340-649.000.

Hoisington, Paul A.; Hine, Nathan P.; and Spehrley, Charles W., Jr., to Spectra, Inc. Hot melt ink supply system. 4,814,786, 3-21-89, Cl. 346-1.100.

Hoisington, Paul A.; Schaffer, Robert R.; and Fischbeck, Kenneth H., to Spectra, Inc. Ink jet array. 4,835,554, 5-30-89, Cl. 346-140.00R.

Hoisington, Paul A.: *See—*

Creagh, Linda T.; Fulton, Steven F.; Hoisington, Paul A.; Paulson, Bruce A.; Schaffer, Robert R.; and Spehrley, Charles W., Jr., 4,801,473, Cl. 427-164.000.

Creagh, Linda T.; Fulton, Steven F.; Hoisington, Paul A.; Paulson, Bruce A.; Schaffer, Robert R.; and Spehrley, Charles W., Jr., 4,877,676, Cl. 428-204.000.

Fischbeck, Kenneth H.; and Hoisington, Paul A., 4,825,227, Cl. 346-1.100.

Hoj, Peter P., to Tetra Pak Developpement SA. Method for the molecular orientation of plastic material. 4,863,670, 9-5-89, Cl. 264-562.000.

Hojnoski, David E. Cork stopper for bottles of wine. 4,889,251, 12-26-89, Cl. 215-296.000.

Hojo, Masakazu: *See—*

Hisaki, Masakatu; Kashima, Kenichi; Sakamoto, Yasuhiko; Hojo, Masakazu; Katayama, Osamu; and Hata, Hiroyoshi, 4,874,773, Cl. 514-355.000.

Hojo, Sadamune; Iwamoto, Toshiyuki; Arakawa, Noriyuki; and Narita, Terutaka, to Kubota, Ltd. Separation preventive pipe joint. 4,863,199, 9-5-89, Cl. 285-232.000.

- Hojo, Shiro; Hasegawa, Yoichi; and Hirai, Takeo, to Japan Hydrazine Co., Inc. Process for preparation of monomethylhydrazine. 4,855,501, 8-8-89, Cl. 564-314.000.
- Hojo, Takeshi; Yamamoto, Kanshi; Morohoshi, Mikio; and Hame, Fuyuki, to Tokyo Keiki Co., Ltd. Attitude and heading reference detecting apparatus. 4,831,544, 5-16-89, Cl. 364-453.000.
- Hojo, Takeshi; Yamamoto, Kanshi; Kawada, Shinichi; Murabayashi, Kazushige; Akimoto, Mamoru; and Fukano, Michio, to Tokyo Keiki Co., Ltd. Gyro compass. 4,879,918, 11-14-89, Cl. 74-5.470.
- Hojo, Yasuo: *See—*
  - Ukai, Mikio; Furukawa, Takashi; and Hojo, Yasuo, 4,805,921, Cl. 277-212.0FB.
- Hojo, Yoshikata: *See—*
  - Oda, Kengo; Ishii, Tsutomu; Fukushi, Yukiharu; Enomoto, Yuji; Nishida, Makoto; and Hojo, Yoshikata, 4,889,551, Cl. 71-88.000.
- Hokama, Yoshitsugi, to Research Corporation of the University of Hawaii. Rapid stick test for detection of ciguatoxin and other polyether toxins from tissues. 4,816,392, 3-28-89, Cl. 435-7.000.
- Hokanson, Gerard C.: *See—*
  - Murthy, Kuchi S.; Harris, Michael R.; Hokanson, Gerard C.; Reisch, Robert G., Jr.; Fawzi, Mahdi B.; and Waldman, Frank, 4,830,853, Cl. 424-440.000.
- Hokanson, John L.; Smeltz, Palmer D., Jr.; Yanushefski, Katherine A.; Yanushefski, Michael J.; and Young, Craig A., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Technologies Inc. Multilayer ceramic laser package. 4,873,566, 10-10-89, Cl. 357-74.000.
- Hokari, Hiroshi: *See—*
  - Matsuzawa, Masafumi; Hokari, Hiroshi; Kusano, Shoji; Miyazawa, Takeshige; and Toyokawa, Yasufumi, 4,875,930, Cl. 71-106.000.
  - Motojima, Kenji; Miyazawa, Takeshige; Toyokawa, Yasufumi; Matsuzawa, Masafumi; Hokari, Hiroshi; and Kusano, Shoji, 4,866,201, Cl. 560-126.000.
- Hokari, Osamu: *See—*
  - Yokoe, Kyousuke; Yoshino, Masanori; Hokari, Osamu; and Date, Nobuo, 4,862,856, Cl. 123-519.000.
- Hokari, Sadao: *See—*
  - Inaba, Hiromi; Shima, Seiya; Hokari, Sadao; Tobita, Toshimitsu; Takahashi, Hideaki; and Ueda, Shigeta, 4,829,416, Cl. 363-41.000.
- Hoke, Bryan C., Jr., to Thermacore, Inc. Self regulating heat pipe. 4,799,537, 1-24-89, Cl. 165-32.000.
- Hoke, David; and Kilminster, Kenneth N., to Eastman Kodak Company. Cyan dye-forming couplers and photographic materials containing same. 4,849,328, 7-18-89, Cl. 430-553.000.
- Hoke, William E.; and Specht, Lindley T., to Raytheon Company. Metalorganic chemical vapor deposition growth of Group II-IV semiconductor materials having improved compositional uniformity. 4,804,638, 2-14-89, Cl. 437-81.000.
- Hoke, William E.; Specht, Lindley T.; and Korenstein, Ralph, to Raytheon Company. Low temperature metalorganic chemical vapor depostion growth of group II-VI semiconductor materials. 4,886,683, 12-12-89, Cl. 427-252.000.
- Hoki, Tetsuo; Sano, Tetsuo; Kitakado, Ryuji; Sezaki, Yoshinori; Hotta, Tomiji; and Yano, Hironobu, to Dainippon Screen Mfg. Co., Ltd. Pattern masking method and an apparatus therefor. 4,797,939, 1-10-89, Cl. 382-8.000.
- Hoki, Tetsuo: *See—*
  - Onishi, Hiroyuki; Sano, Tetsuo; Hoki, Tetsuo; Kodama, Eiji; Tsujinaka, Hisayuki; and Kitakado, Ryuji, 4,803,734, Cl. 382-8.000.
- Hokkai Can Co., Ltd.: *See—*
  - Homma, Yoshihiro; Nakata, Akira; Matsumoto, Shiroh; Yoshimura, Kunitoshi; and Minato, Masahiko, 4,852,793, Cl. 229-5.500.
  - Nagai, Katsumi; and Shinjyo, Akio, 4,808,053, Cl. 413-30.000.
  - Nariki, Hiroshi; Yuri, Haruyki; and Ibane, Isao, 4,830,169, Cl. 198-345.000.
  - Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, 4,875,960, Cl. 156-203.000.
  - Takahashi, Nobuo; Takeda, Yuri; Takamatsu, Akira; Ito, Yasushi; and Yamaguchi, Keizo, 4,869,201, Cl. 118-308.000.
- Hokkai Giken Kogyo Ltd.: *See—*
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- Hokkaido Electric Power Co., Inc., The: *See—*
  - Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
- Hokkaido University: *See—*
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- Hokkeling, Pieter: *See—*
  - Roelandse, Cornelius D.; and Hokkeling, Pieter, 4,856,039, Cl. 378-133.000.
- Hokko Chemical Industry Co Ltd.: *See—*
  - Ohyama, Hiroshi; Hobara, Satoshi; Tsujimoto, Kazuyuki; and Tanaka, Shouji, 4,822,814, Cl. 514-440.000.
- Hoksaas, Harald, to Impex Production & Development A/S (Ltd.). Fluid indicator for a containment vessel. 4,880,982, 11-14-89, Cl. 250-577.000.
- Hokuetsu Paper Mills, Ltd.: *See—*
  - Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, 4,810,301, Cl. 106-287.240.
  - Yoshioka, Shigehiko; Yamada, Hideto; Honma, Akira; and Sato, Hisatake, 4,849,055, Cl. 162-158.000.
  - Yoshioka, Shigehiko; Yamada, Hideto; Sato, Hisatake; and Kamei, Motokazu, 4,882,087, Cl. 252-312.000.
- Hokuriku Electric Industry, Co., Ltd.: *See—*
  - Motoki, Yoshimitsu; Nakagawa, Kiyohito; and Tada, Morio, 4,850,222, Cl. 73-317.000.
- Hokusan Kabushiki Kaisha: *See—*
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- Hokusho, Takayasu: *See—*
  - Shibata, Shinya; Hokusho, Takayasu; Tsunoda, Masakazu; and Kawakami, Yasushi, 4,823,140, Cl. 343-713.000
- Hokuto Electronics Co., Ltd.: *See—*
  - Takahara, Takeshi; Oikawa, Mitsuhiro; Tetsuishi, Yoshinori; Higuchi, Kazuaki; and Tamatani, Masaaki, 4,804,882, Cl. 313-468.000.
- Hokuyo, Shigeru, to Mitsubishi Denki Kabushiki Kaisha. Solar cell with integral reverse voltage protection diode. 4,846,896, 7-11-89, Cl. 136-255.000.
- Holan, George; Walser, Reimund A.; and Elmes, Bryan C., to Dunlena Pty. Ltd. Arthropodicides. 4,849,450, 7-18-89, Cl. 514-521.000.
- Holan, Leif A. Self-closing hinge. 4,819,299, 4-11-89, Cl. 16-278.000.
- Holan, Robert J.; and Lindsey, Kelly D. Single gear-pair vehicle differential. 4,815,338, 3-28-89, Cl. 74-713.000.
- Holbein, Erwin: *See—*
  - Busenhart, Peter; Schneeberger, Ruedi; Holbein, Erwin; Wirz, Armin; Flueli, Adolf; and Maier, Hansueli, 4,811,910, Cl. 242-18.00R.
  - Mutter, Heinz; Schneeberger, Ruedi; and Holbein, Erwin, 4,830,299, Cl. 242-46.400.
- Holben, Milford S., Jr.: *See—*
  - Heyman, Joseph S.; Rogowski, Robert S.; and Holben, Milford S., Jr., 4,843,346, Cl. 331-65.000.
- Holberg, Douglas R.; and Swanson, Eric J., to Crystal Semiconductor Corporation. Switched-capacitor filter having digitally-programmable capacitive element. 4,849,662, 7-18-89, Cl. 307-520.000.
- Holbert, Gene W.: *See—*
  - Burkhart, Joseph P.; and Holbert, Gene W., 4,824,974, Cl. 549-480.000.
  - Johnston, J. O'Neal; and Holbert, Gene W., 4,882,322, Cl. 514-178.000.
- Holbert, John C.: *See—*
  - Bolton, William E.; and Holbert, John C., 4,811,776, Cl. 144-357.000.
  - Bolton, William E.; Holbert, John C.; Ballance, Jeffrey D.; and Records, Robert A., 4,867,213, Cl. 144-357.000.
- Holbert, Marvin L., Jr., to Bassett, Max. Pressure compensation multi tubular safety joint. 4,880,257, 11-14-89, Cl. 285-2.000.
- Holbrook, David L.: *See—*
  - Staehle, Bruce E.; and Holbrook, David L., 4,828,707, Cl. 210-649.000.
- Holbrook, David S.; and Simpson, Craig R., to MRS Technology, Inc. Optical alignment system for use in photolithography and having reduced reflectance errors. 4,855,792, 8-8-89, Cl. 355-53.000.
- Holbrook, Gerald L.; and Leising, Maurice B., to Chrysler Motors Corporation. Solenoid-actuated valve arrangement for a limp-home mode of an automatic transmission. 4,887,491, 12-19-89, Cl. 74-866.000.
- Holbrook, Gerald L.: *See—*
  - Leising, Maurice B.; Benford, Howard L.; and Holbrook, Gerald L., 4,875,391, Cl. 74-866.000.
- Holbrook, Susan E.: *See—*
  - Kudla, David P.; and Holbrook, Susan E., 4,823,035, Cl. 310-68.00C.
- Holbrook, William C.: *See—*
  - Geller, Douglas A.; Schneider, Stephen E.; and Holbrook, William C., 4,805,546, Cl. 114-132.000.
- Holbus, Edward. Automatic vehicle washing apparatus. 4,852,199, 8-1-89, Cl. 15-97.00B.
- Holcek, Ronald G.: *See—*
  - Scott, Jeffery E.; McDougall, David W.; and Holcek, Ronald G., 4,882,041, Cl. 208-177.000.
- Holck, Jens-Peter: *See—*
  - Bohm, Erwin; Holck, Jens-Peter; Kampe, Wolfgang; Leinert, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,880,805, Cl. 514-237.500.
  - Martens, Alfred; Holck, Jens-Peter; Berger, Herbert; Muller-Beckman, Bernd; Strein, Klaus; and Roesch, Egon, 4,835,280, Cl. 548-127.000.
  - Mertens, Alfred; Holck, Jens-Peter; Kampe, Wolfgang; Muller-Beckmann, Bernd; Strein, Klaus; and Schaumann, Wolfgang, 4,810,801, Cl. 548-411.000.
  - von der Saal, Wolfgang; Holck, Jens-Peter; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,882,342, Cl. 514-338.000.
- Holcomb, Bruce A.; McCracken, Shaun D.; and McGinnis, Bryan J., to Minnesota Mining and Manufacturing Company. Security deposit bag. 4,838,708, 6-13-89, Cl. 383-5.000.
- Holcomb, Darrell H.: *See—*
  - Disselkoen, Allen D., Jr.; Gargiulo, Robert F.; Haywood, James E.; Heise, Keith H.; Holcomb, Darrell H.; Kramer, Stuart C.; Miller, Gregory R.; Nicholson, Jeffrey S.; Olinger, Jeffrey J.; and Spenny, Curtis H., 4,877,202, Cl. 244-122.00A.
- Holcomb, Gregory W. Circuit assembly system. 4,815,196, 3-28-89, Cl. 29-564.200.
- Holcomb, Gregory W. Variable axial lead electrical component feeder. 4,817,266, 4-4-89, Cl. 29-566.300.

- Holcomb, Gregory W. Tube magazine component feeder. 4,862,578, 9-5-89, Cl. 29-564.100.
- Holcomb, Grove R.; and Douglas, Bruce M. Adjustable form brace. 4,880,203, 11-14-89, Cl. 249-24.000.
- Holcomb, Richard A., to Mid-State Drainage Products, Inc. Corrugated pipe. 4,852,616, 8-1-89, Cl. 138-173.000.
- Holcomb, Richard S.: *See—*
  - Baltusis, Paul A.; Buch, Lawrence H.; Holcomb, Richard S.; Kurdziel, Leonard J.; and Rein, Gerald W., 4,823,266, Cl. 364-424.100.
- Holcomb, Robert R. Magnetic water treatment device. 4,888,113, 12-19-89, Cl. 210-222.000.
- Holcomb, Warren N., to General Motors Corporation. Secondary oil system for gas turbine engine. 4,858,426, 8-22-89 Cl. 60-39.080.
- Holcombe, Cressie E.; Dykes, Norman L.; Kimrey, Harold D., Jr.; and Mills, James E., to United States of America, Energy. Container for heat treating materials in microwave ovens. 4,810,846, 3-7-89, Cl. 219-10.55R.
- Holcombe, Cressie E.; Dykes, Norman L.; and Meek, Thomas T., to United States of America, Energy. Method for heat treating and sintering metal oxides with microwave radiation. 4,880,578, 11-14-89, Cl. 264-26.000.
- Holcombe, Cressie E., Jr.; and Chapman, Lloyd R., to ZYP Coatings, Inc. Binder/suspension composition yielding water insolubility alone or with additives. 4,810,300 3-7-89, Cl. 106-086.100.
- Holcombe, Glenn C.: *See—*
  - Papenbrock, Francis X.; and Holcombe, Glenn C., 4,852,308, Cl. 52-12.000.
- Holcroft/Loftus, Inc.: *See—*
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- Holdahl, Theodore S.: *See—*
  - Hann, J. David; Holdahl, Theodore S.; and Lum, James C. P., 4,799,153, Cl. 364-200.000.
- Holdar, Robert M., to NCH Corporation. Low odor carbon and paint remover composition. 4,854,973, 8-8-89, Cl. 134-39.000.
- Holdeman, David A.: *See—*
  - Reed, Robert L.; and Holdeman, David A., 4,836,999, Cl. 423-574.00R.
- Holden, Brian D.: *See—*
  - Baran, Paul; Corbalis, Charles M.; Holden, Brian D.; Masatsugu, Jon K.; Marggraff, Lewis J.; Owen, David P.; and Stonebridge, Peter W. J., 4,819,228, Cl. 370-85.000.
- Holden, Harold E.: *See—*
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- Holden, Homer N.; and Meadows, Roger D., to Dayco Products, Inc. Vacuum cleaner hose construction, terminal connector therefor and methods of making the same. 4,846,712, 7-11-89, Cl. 439-191.000.
- Holden, Homer N., to Dayco Products, Inc. Connectible flexible convoluted tubing. 4,865,362, 9-12-89, Cl. 285-260.000.
- Holden, Kenneth M.: *See—*
  - Williamson, Robert L.; and Holden, Kenneth M., 4,867,417, Cl. 254-124.000.
- Holden, Ronald L.; and Place, Donald E., to Therm-O-Disc, Incorporated. Electric switch and contact terminal arrangement. 4,851,807, 7-25-89, Cl. 337-343.000.
- Holden, Ronald L.: *See—*
  - Place, Donald E.; and Holden, Ronald L., 4,843,364, Cl. 337-333.000.
  - Versaw, Douglas P.; and Holden, Ronald L., 4,827,239, Cl. 337-380.000.
- Holden, W. Bruce. Eye-shielding glasses. 4,877,320. 10-31-89, Cl. 351-44.000.
- Holder, Anthony A.; and Freeman, Robert R., to Burroughs Wellcome Co. Protozoal antigen. 4,837,016, 6-6-89, Cl. 424-88.000.
- Holder, Danny J., to Baker Hughes Incorporated. Inflatable packers and methods of utilization. 4,869,324, 9-26-89, Cl. 166-387.000.
- Holder, Joseph P., to Burlington Industries, Inc. Fluid jet applicator for uniform applications by electrostatic droplet and pressure regulation control. 4,797,686, 1-10-89, Cl. 346-1.100.
- Holder, Joseph P.; Glenn, Michael I.; McConnell, Bobby L.; and Graham, Louis A., to Burlington Industries, Inc. Patterning effects with fluid jet applicator. 4,797,687, 1-10-89, Cl. 346-1.100
- Holder, Joseph P.; Glenn, Michael I.; McConnell, Bobby L.; and Graham, Louis A., to Burlington Industries, Inc. Ultra uniform fluid application apparatus. 4,829,793, 5-16-89, Cl. 68-205.00R.
- Holder, Karl; and Ulmer, Walter. Machine for producing pattern cardboard articles. 4,816,015, 3-28-89, Cl. 493-355.000.
- Holder, Tommie J.: *See—*
  - Sullivan, Robert W.; Holder, Tommie J.; and Buchanan, Max F., 4,867,107, Cl. 123-43.00A.
- Holder, William L. Nail polish drying composition. 4,798,720, 1-17-89, Cl. 424-61.000.
- Holderfield, Daron C.; Martin, Bernard E.; and Russell, Samuel S., to United States of America, Army. Specimen holder and rotary assembly. 4,881,411, 11-21-89, Cl. 73-856.000.
- Holderfield, Daron C.; Martin, Bernard E.; and Russell, Samuel S., to United States of America, Army. Manual microcircuit die test system. 4,884,027, 11-28-89, Cl. 324-158.00F.
- Holderle, Hans: *See—*
  - Gerhardy, Reinhard, Holderle, Hans; Wolf, Jurgen; and Vonderau, Werner, 4,861,522, Cl. 261-35.000.
- Holdren, Earl J.; and Owski, Alexander J., to Chrysler Motors Corporation. Serial data direct memory access system. 4,823,305, 4-18-89, Cl. 364-900.000.
- Holdsworth, George M.: *See—*
  - Holdsworth, Thomas S.; and Holdsworth, George M., 4,848,458, Cl. 166-92.000.
- Holdsworth, Robert S.; Brown, Shawn E.; and Gribens, Joel A., to W. R. Grace & Co. Hot melt gaskets and method of forming same. 4,852,754, 8-1-89, Cl. 215-347.000.
- Holdsworth, Thomas S.; and Holdsworth, George M., to Kamkap, Inc. Lockable well cap. 4,848,458, 7-18-89, Cl. 166-92.000.
- Holdsworth, Timothy M., to Northeast Filter Co., Inc. Video filter assembly. 4,845,447, 7-4-89, Cl. 333-167.000.
- Holdt, Bernd-Dieter: *See—*
  - Buecheler, Herbert; Capune, Thomas; Holdt, Bernd-Dieter; Menke, Ronald; and Tuerk, Erich, 4,813,084, Cl. 4-231.000.
  - Menke, Ronald; Holdt, Bernd-Dieter; and Praus, Gerd, 4,820,449, Cl. 252-544.000.
  - Soldanski, Heinz; Holdt, Bernd-Dieter; Keup, Petra; and Meier-Krug, Ursula, 4,834,900, Cl. 252-88.000.
  - Soldanski, Heinz-Dieter; Kalibe, Marlis; and Holdt, Bernd-Dieter, 4,808,329, Cl. 252-162.000.
- Holdt, Donald H., to Cambridge Technologies, Inc. Convertible wheelchair/litter. 4,795,214, 1-3-89, Cl. 297-443.000.
- Holehouse, Joseph G.: *See—*
  - Goel, Anil B.; and Holehouse, Joseph G., 4,878,978, Cl. 156-272.400.
- Holen, James T.; and Burke, Charles R., to Abbott Laboratories. Centrifuge for two-dimensional centrifugation. 4,814,282, 3-21-89, Cl. 436-165.000.
- Holen, James T.; and Kazlauskas, Vidas P., to Abbott Laboratories. Sample processor card for centrifuge. 4,883,763, 11-28-89, Cl. 436-45.000.
- Holet, Kenneth M.: *See—*
  - Cieri, Joseph J.; Kocher, Mark J.; Gareis, Ronald E.; Holet, Kenneth M.; and Tuso, Michael J., 4,872,136, Cl. 364-900.000.
  - Near, Timothy P.; Cieri, Joseph J.; and Holet, Kenneth M., 4,799,052, Cl. 340-825.500.
- Holetsky, Frank: *See—*
  - Stern, Howard; Mauro, Alex; Maali, Fereydoun; and Holetsky, Frank, 4,845,639, Cl. 364-513.000.
- Holien, Dwight H. Overflow lint strainer. 4,806,241, 2-21-89, Cl. 210-248.000.
- Holighaus, Rolf: *See—*
  - Dohler, Werner; Holighaus, Rolf; and Niemann, Klaus, 4,810,365, Cl. 208-262.100.
- Holik, Herbert: *See—*
  - Weisshuhn, Elmer; Bubik, Alfred; Dahl, Hans; Holik, Herbert; Kurtz, Rudiger; Zembrot, Anton; Stotz, Wolf-Gunter; Seider, Werner; and Trondle, Robert, 4,888,094, Cl. 162-198.000.
- Holker, Kenneth U.: *See—*
  - Collier, John R.; and Holker, Kenneth U., 4,881,975, Cl. 106-14.050.
- Holl, Norbert: *See—*
  - Gruehn, Dietrich; Hack, Joachim; Fehrenbach, Hubert; Rudolf, Peter; and Holl, Norbert, 4,796,137, Cl. 360-133.000.
  - Lenz, Bernhard; Zwintzscher, Kurt; Gruehn, Dietrich; Fehrenbach, Hubert; and Holl, Norbert, 4,822,327, Cl. 493-190.000.
- Holl, Ralph H.: *See—*
  - Myers, Larry F.; Tharp, Douglas B.; and Holl, Ralph H., 4,878,437, Cl. 105-451.000.
- Holl, Roland; and Dettinger, Dietrich, to M.A.N.-Roland Druckmaschinen AG. Device for the in-register transfer of sheets between the printing units of a multicolor press. 4,852,491, 8-1-89, Cl. 101-408.000.
- Holl, Roland: *See—*
  - Abendroth, Paul; Mathes, Josef; and Holl, Roland, 4,852,488, Cl. 101-246.000.
- Holl, Wolfgang; Weilandt, Gerhard; and Thiem, Heinz, to Gebruder Bauermeister & Co.; and Verfahrenstechnik GmbH & Co. Apparatus for feeding rolling mills, particularly for oil seed. 4,836,459, 6-6-89, Cl. 241-225.000.
- Holladay, John T., to Packaging Corporation of America. Shipping container. 4,852,756, 8-1-89, Cl. 220-4.00F.
- Holladay, Thomas E.; and DuBell, Thomas L., to United Technologies Corporation. Fuel injection system. 4,817,389, 4-4-89, Cl. 60-739.000.
- Holland, Beecher J. Moderate to moderately high temperature solar liquid heater. 4,815,444, 3-28-89, Cl. 126-438.000.
- Holland, Bruce K. Nose plug. 4,887,597, 12-19-89, Cl. 128-206.110.
- Holland, Carl W.: *See—*
  - Cipolla, Stephen D.; Burnham, Paul W.; and Holland, Carl W., 4,850,303, Cl. 118-653.000.
  - Tannascoli, Robert J.; and Holland, Carl W., 4,813,531, Cl. 198-671.000.
- Holland, Carmon D.: *See—*
  - Shook, Hal C.; and Holland, Carmon D., 4,873,738, Cl. 14-1.000.
- Holland, Christopher E.: *See—*
  - Spindt, Charles A.; and Holland, Christopher E., 4,857,799, Cl. 313-495.000.
- Holland Company: *See—*
  - Clem, George K., 4,854,088, Cl. 51-281.00R.
- Holland, David E., to Image Transform. Method and apparatus for film weave correction. 4,823,204, 4-18-89, Cl. 358-347.000.
- Holland, Dawson, to Ideation, Inc. Electric outlet box holder. 4,847,444, 7-11-89, Cl. 174-58.000.
- Holland Equipment Limited: *See—*
  - Mayer, Matthew E., 4,840,232, Cl. 172-21.000.
- Holland, Eric C.; Lesan, Fredrick K.; and Knappe, Peter H., to Hydranautics. High recovery spiral wound membrane element. 4,855,058, 8-8-89, Cl. 210-652.000.

- Holland, Floyd H., to Phillips Petroleum Company. Apparatus for conversion of oils to hydrocarbon products. 4,853,189, 8-1-89, Cl. 422-140.000.
- Holland, Floyd H.: *See—*
  - Bowen, Chester O.; and Holland, Floyd H., 4,851,196, Cl. 422-144.000.
  - Hays, George E.; Nielsen, Richard H.; Bowen, Chester O.; and Holland, Floyd H., 4,800,014, Cl. 208-157.000.
- Holland, G. Neil; Provost, Terrence J.; DeMeester, Gordon D.; and Denison, Kenneth S., to Picker International, Inc. Scan time reduction using conjugate symmetry and recalled echo. 4,833,407, 5-23-89, Cl. 324-309.000.
- Holland, G. Neil: *See—*
  - DeMeester, Gordon D.; Holland, G. Neil; and Bearden, Francis H., 4,851,779, Cl. 324-312.000.
  - Denison, Kenneth S.; Holland, G. Neil; and DeMeester, Gordon D., 4,881,033, Cl. 324-309.000.
  - Misic, George J.; Lillo, Aarne; Patrick, John L.; and Holland, G. Neil, 4,797,617, Cl. 324-322.000.
  - Misic, George J.; Holland, G. Neil; Mehdizadeh, Mehrdad; and Patrick, John L., 4,839,594, Cl. 324-318.000.
- Holland, George W.; Rosen, Perry; Maag, Hans; and Lee, Ferdinand, to Hoffmann-La Roche Inc. 16-cycloalkyl-7-fluoro-prostacyclins. 4,808,734, 2-28-89, Cl. 549-465.000.
- Holland, George W.: *See—*
  - Coffen, David L.; Holland, George W.; Mandeville, W. Harry; Rosen, Perry; and Wong, Frederick, 4,866,205, Cl. 562-504.000.
- Holland, Gerald W.: *See—*
  - Baker, Louis; and Holland, Gerald W., 4,796,841, Cl. 248-60.000.
- Holland, Gerard: *See—*
  - Castellani, Norman; Holland, Robert C.; and Holland, Gerard, 4,827,080, Cl. 174-48.000.
- Holland Heating BV: *See—*
  - Wuyten, Johannes M.; and Daelmans, Adriaan L., 4,860,918, Cl. 220-84.000.
- Holland, John H., to John and Martin Holland and Associates. Well pump system. 4,880,363, 11-14-89, Cl. 417-390.000.
- Holland, John H.; and Burks, Arthur W., to University of Michigan, The Regents of the. Method of controlling a classifier system. 4,881,178, 11-14-89, Cl. 364-513.000.
- Holland, John W.; and Weiss, Ronald J., to Storm Products Co. Fiber optic coil cord. 4,852,964, 8-1-89, Cl. 350-96.230.
- Holland, Joseph E.: *See—*
  - Converse, Alvin O.; Grethlein, Hans E.; and Holland, Joseph E., 4,818,295, Cl. 127-1.000.
- Holland, Mason P.: *See—*
  - Hitch, Robert J.; and Holland, Mason P., 4,817,514, Cl. 99-419.000.
- Holland, Orin W.: *See—*
  - Alvis, John R.; Pfiester, James R.; and Holland, Orin W., 4,837,173, Cl. 437-024.000.
- Holland, Ralph R.: *See—*
  - Creason, Kenneth C.; Salka, John A.; and Holland, Ralph R., 4,842,880, Cl. 426-303.000.
- Holland, Richard J.: *See—*
  - Adams, Richard P.; Holland, Richard J.; and Bodak-Cumming, Patricia A., 4,818,422, Cl. 252-8.800.
- Holland, Robert C. Executive desk convertible into a computer center. 4,836,623, 6-6-89, Cl. 312-195.000.
- Holland, Robert C.: *See—*
  - Castellani, Norman; Holland, Robert C.; and Holland, Gerard, 4,827,080, Cl. 174-48.000.
- Holland, Robert J., Sr.: *See—*
  - Kemp, Preston B., Jr.; and Holland, Robert J., Sr., 4,818,567, Cl. 427-216.000.
  - Kemp, Preston B., Jr.; and Holland, Robert J., Sr., 4,844,355, Cl. 241-172.000.
  - Kemp, Preston B., Jr.; and Holland, Robert J., Sr., 4,873,148, Cl. 428-570.000.
- Holland, Thomas W., to Siemens Energy & Automation, Inc. Circuit breaker armature latch with control leg. 4,868,529, 9-19-89, Cl. 335-42.000.
- Hollander, Jan, to B.V. Asphalt-en Chemische Fabrieken Smid & Hollander. Apparatus for making perforated roofing material. 4,819,848, 4-11-89, Cl. 225-96.000.
- Hollander, Jan, to B.V. Asphalt-en Chemische Fabrieken Smid and Hollander. Perforated roofing material and a method of manufacturing the same. 4,874,652, 10-17-89, Cl. 428-137.000.
- Hollander, Milton B.; and McKinley, William E., to Omega Engineering, Inc. Rapid response thermocouple probe having replaceable thermocouple element. 4,808,241, 2-28-89, Cl. 136-230.000.
- Hollander, Rudolf R., to Nedcon B.V. Roll-through storage rack, a girder and a retaining plate therefor. 4,815,613, 3-28-89, Cl. 211-191.000.
- Hollander, Zeev; Salomon, Beka; and Katchalski-Katzir, Ephraim, to Ramot University Authority for Applied Research and Industrial Development Ltd. Immobilization of biologically active substances with carrier bond antibody. 4,876,191, 10-24-89, Cl. 435-7.000.
- Hollandse Signaalapparaten B.V.: *See—*
  - Ham, Wilhelmus J.; and Nagelhout, Jacob T., 4,837,823, Cl. 380-34.000.
  - Jansen, Cornelis J. A., 4,872,200, Cl. 380-34.000.
  - Van Asselt, Gosuinus, 4,805,169, Cl. 370-85.000.
- Holle, Bernd-Michael: *See—*
  - Zander, Hans-Gunter; Bornefeld, Horst; and Holle, Bernd-Michael, 4,880,169, Cl. 241-5.000.
- Holleck, Gerhard L.; and Nguyen, Trung, to EIC Laboratories, Inc. Electrochemical cell. 4,816,358, 3-28-89, Cl. 429-194.000.
- Holleck, Helmut, to Kernforschungszentrum Karlsruhe GmbH. Protective coating for metallic substrates. 4,835,062, 5-30-89, Cl. 428-469.000.
- Holleman, Timothy W.; Sandstrom, Richard; Rugland, Roger; and Williams, Terrell M., to Medtronic, Inc. Epicardial patch electrode. 4,817,634, 4-4-89, Cl. 128-784.000.
- Hollenbeck, Keith H.; and Norman, Lewis R., to Halliburton Services. Method of dissolving organic filter cake. 4,809,783, 3-7-89, Cl. 166-307.000.
- Hollenbeck, Robert E.: *See—*
  - Bryniarski, David A.; and Hollenbeck, Robert E., 4,854,983, Cl. 56-70.000.
- Hollenberg, Cornelis P.; Das, Sunil; De Leeuw, Albert; and van den Berg, Johannes A., to Gist-Brocades N.V. Cloning system for Kluyveromyces species. 4,859,596, 8-22-89, Cl. 435-172.300.
- Hollenberg, David H.; and Katz, Leon, to James River Corporation of Virginia. Microwave interactive laminate. 4,865,921, 9-12-89, Cl. 428-461.000.
- Hollenberg, David H.: *See—*
  - Katz, Leon; and Hollenberg, David H., 4,888,238, Cl. 428-378.000.
  - Tse, Stephen H.; Hollenberg, David H.; Martin, Richard L.; and Manning, James H., 4,822,452, Cl. 162-146.000.
- Hollenberg, Dennis D. Quickly erectable containers. 4,850,509, 7-25-89, Cl. 220-462.000.
- Hollenberg, Detlef; Schneider, Hans; and Weihrauch, Georg, to Henkel Kommanditgesellschaft auf Aktien. Foam bodied hair curler. 4,823,458, 4-25-89, Cl. 29-527.200.
- Hollenberg, Detlef; Schneider, Hans; and Weihrauch, Georg, to Henkel Kommanditgesellschaft auf Aktien. Expandable hair curler. 4,856,542, 8-15-89, Cl. 132-265.000.
- Hollenberg, Detlef; Schneider, Hans; and Weihrauch, Georg, to Henkel Kommanditgesellschaft auf Aktien. Rotatable liquid hair treatment medium applicator. 4,881,558, 11-21-89, Cl. 132-112.000.
- Hollenberg, Detlef: *See—*
  - Klenk, Adolf; Hollenberg, Detlef; and Hoeffkes, Horst, 4,834,971, Cl. 424-70.000.
- Hollenberg, Paul F.; and Pandey, Ramendra N., to Northwestsern University. Conjugation of aromatic amines or nitro-containing compounds with proteins or polypeptides by photoirradiation of the azide derivatives with ultraviolet light in order to produce antibodies against the haptens. 4,835,258, 5-30-89, Cl. 530-391.000.
- Hollenstein, Helmut, to Julius Blum Gesellschaft m.b.H. Drawer. 4,875,747, 10-24-89, Cl. 312-330.100.
- Hollenstein, Helmut: *See—*
  - Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,802,716, Cl. 312-330.00R.
  - Rock, Erich; Brunner, Josef; and Hollenstein, Helmut, 4,804,239, Cl. 312-265.000.
  - Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,815,796, Cl. 312-263.000.
  - Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,815,798, Cl. 312-330.00R.
  - Rock, Erich; and Hollenstein, Helmut, 4,840,512, Cl. 403-22.000.
  - Rock, Erich; and Hollenstein, Helmut, 4,842,351, Cl. 312-263.000.
- Holler, Joseph R.: *See—*
  - Gregory, Steven D.; and Holler, Joseph R., 4,878,781, Cl. 405-52.000.
- Holleran, Peter M.: *See—*
  - O'Rell, Dennis D.; and Holleran, Peter M., 4,812,357, Cl. 428-246.000.
- Hollerback, James A. Vehicle automatic fueling assembly. 4,881,581, 11-21-89, Cl. 141-113.000.
- Hollevoet, Willy C.: *See—*
  - Carnewal, Jose A. C. L.; Gunst, Wilfried E. D.; Hollevoet, Willy C.; and Jonckheere, Marc R. M., 4,863,415, Cl. 460-101.000.
- Hollewed, Edward J.; Goeken, John D.; and Oldani, Jerome L. Holder and credit-card unlatching mechanism for a hand-held telephone. 4,811,387, 3-7-89, Cl. 379-144.000.
- Hollewed, Edward J.; Goeken, John D.; and Oldani, Jerome L., to GTE Mobilnet Incorporated. Hand-held pay telephone and holder. 4,881,254, 11-14-89, Cl. 379-144.000.
- Holley, Carl A. Agglomeration device. 4,881,887, 11-21-89, Cl. 425-222.000.
- Holley, Charles C.; Petersen, Walter J.; and Zenner, Michael N., to Toro Company, The. Turf maintenance apparatus. 4,854,112, 8-8-89, Cl. 56-6.000.
- Holley, Charles C.: *See—*
  - Hager, Joseph P.; and Holley, Charles C., 4,864,805, Cl. 56-11.900.
- Holley, David M., to Power Components, Inc. Convertible gas spring. 4,838,527, 6-13-89, Cl. 267-64.280.
- Holley, George H.: *See—*
  - Salem, Robert J.; and Holley, George H., 4,889,131, Cl. 128-671.000.
- Holley, John E. F. Particle counter with variable sized aperture. 4,853,618, 8-1-89, Cl. 324-71.400.
- Holley, John E. F., to Prolitec Aktiengesellschaft. Apparatus for detecting the presence of micro organism in liquid. 4,863,868, 9-5-89, Cl. 435-294.000.
- Holley, Loraine K.: *See—*
  - Maddison, David S.; Skalsky, Michael; Milijasevic, Zoran; Perry, Stephen G.; Holley, Loraine K.; Gotthardt, Gerhard R.; and Richardson, Garry T., 4,798,206, Cl. 128-419.00P.
- Holley, Robert E. Seating assistance device. 4,884,841, 12-5-89, Cl. 297-331.000.

- Holliday, George L., to Ameritek Lasercut Dies, Inc. Adjustable mounting for embossing die elements. 4,850,950, 7-25-89, Cl. 493-475.000.
- Holliday, Hubert J., to Perstorp AB. Container having hingedly mounted arms. 4,863,062, 9-5-89, Cl. 220-338.000.
- Holliday, William H., to Reynolds Metals Company. Non-contact apparatus and method for measuring the length of aluminum sheet and plate. 4,805,019, 2-14-89, Cl. 358-107.000.
- Hollifield, Dean H.; and Schultz, Frank R., III, to T. M. Smith Tool International Corporation. Quick change spindle adaptor for tool holder. 4,834,596, 5-30-89, Cl. 409-232.000.
- Holliger, Herbert, to Sandoz Ltd. 1:2-chromium complex dyes for tanned leather. 4,820,309, 4-11-89, Cl. 8-437.000.
- Holliger, Herbert: *See—*
  - Dien, Michel; and Holliger, Herbert, 4,834,769, Cl. 8-436.000.
- Holling, Ronald W.: *See—*
  - Williams, Robert R.; and Holling, Ronald W., 4,852,544, Cl. 126-39.0BA.
- Hollinger, John D.: *See—*
  - Lary, Todd P.; Quintana, Jorge A.; Miranda, Osvaldo E.; DeChristopher, John R., Sr.; and Hollinger, John D., 4,845,025, Cl. 435-2.000.
- Hollingead International, Inc.: *See—*
  - Espinoza, Cesar, 4,813,105, Cl. 24-16.0RB.
- Hollingshead, Gerald E.: *See—*
  - Davison, Jerom G.; and Hollingshead, Gerald E., 4,821,629, Cl. 98-59.000.
- Hollingsworth, Clinton A., to C-H Development & Sales, Inc. Hydraulic separating method and apparatus. 4,807,761, 2-28-89, Cl. 209-158.000.
- Hollingsworth, Clinton A., to C-H Development and Sales, Inc. Hydraulic separating apparatus and method. 4,822,482, 4-18-89, Cl. 209-158.000.
- Hollingsworth, David P.: *See—*
  - McWhirter, Vernie C.; Oliver, Donald W.; and Hollingsworth, David P., 4,825,072, Cl. 250-259.000.
- Hollingsworth, Deems R.; Thompson, Steve; and Pang, Harry F., to Texas Instruments Incorporated. Bipolar transistor with shallow junctions and capable of high packing density. 4,868,631, 9-19-89, Cl. 357-48.000.
- Hollingsworth, Deems R.: *See—*
  - Verret, Douglas P.; Brighton, Jeffrey E.; Hollingsworth, Deems R.; and Torreno, Manuel L., Jr., 4,799,099, Cl. 357-50.000.
- Hollingsworth, Elmont E. Collapsible article. 4,865,211, 9-12-89, Cl. 220-8.000.
- Hollingsworth, Fred, III; and Angus, Julian G., to Omni Films International, Inc. Point-of-view motion simulator system. 4,879,849, 11-14-89, Cl. 52-10.000.
- Hollingsworth GmbH: *See—*
  - Bruderlin, Hans R.; Gasser, Hermann; Rutz, Hans; and Curiger, Karl, 4,809,405, Cl. 19-159.00R.
  - Frosch, Werner; and Dudek, Wolfram, 4,858,276, Cl. 19-98.000.
  - Gasser, Hermann; Curiger, Karl; and Rutz, Hans, 4,884,320, Cl. 19-106.00R.
  - Schmolke, Karl H., 4,862,688, Cl. 57-408.000.
- Hollingsworth, John D.; Selent, Horst S.; and Keener, Gary F., to John D. Hollingsworth on Wheels, Inc., a part interest. Integrated compact textile carding apparatus frame. 4,813,104, 3-21-89, Cl. 19-98.000.
- Hollingsworth, John D.; Garrison, Joe K.; Collins, Joel C.; Warnock, William A., deceased; Weiskel, Lillith, Legal Representative; Nyberg, Muriel R., Legal Representative; Warnock, Charles F., legal representative; and Pergande, Lorraine, legal representative, to John D. Hollingsworth On Wheels, Inc., a part interest. 4-amino-substituted 1,2-dihydroxynaphthalene derivatives useful in inhibiting 5-lipoxygenase activity in mammals. 4,831,691, 5-23-89, Cl. 19-98.000.
- Hollingsworth, John D.; and Rookstool, Gary H., to John D. Hollingsworth On Wheels, Inc., a part interest. Feed roll sensor for a textile carding machine. 4,839,944, 6-20-89, Cl. 19-105.000.
- Hollingsworth, Michael W.; and Russell, Peter J., to Lever Brothers Company. Zero-phosphorous detergent powders containing aluminosilicate, succinate and polycarboxylate polymer. 4,861,503, 8-29-89, Cl. 252-135.000.
- Hollingsworth, Richard J.: *See—*
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- Hollingsworth, Ritchie D., to Cycle Composites, Inc. Integral rear wheel suspension for composite material bicycle frame. 4,856,801, 8-15-89, Cl. 280-284.000.
- Hollingsworth, U.K. Ltd.: *See—*
  - Barratt, Peter J.; Clough, Douglas O.; Dickinson, Peter J.; and Farnhill, William M., 4,854,117, Cl. 57-301.000.
  - Campbell, John G.; and Thompson, Allan, 4,884,394, Cl. 57-264.000.
  - Smith, Alan, 4,821,919, Cl. 221-131.000.
  - Whiteley, John, 4,826,094, Cl. 242-18.0DD.
  - Wood, Alfred; and Lane, Robert, 4,811,554, Cl. 57-401.000.
- Hollingsworth, W. Dale. Collapsible beach chair. 4,824,171, 4-25-89, Cl. 297-351.000.
- Hollingsworth, W. Dale. Cooler bag. 4,826,060, 5-2-89, Cl. 224-205.000.
- Hollingsworth, Walter H.: *See—*
  - Sachs, Howard G.; Cho, James Y.; and Hollingsworth, Walter H., 4,860,192, Cl. 364-200.000.
  - Sachs, Howard G.; Cho, James Y.; and Hollingsworth, Walter H., 4,884,197, Cl. 364-200.000.
- Hollinshead, Ariel C., to George Washington University, The. Methods of preparing epitopes of tumor associated antigens. 4,810,781, 3-7-89, Cl. 530-413.000.
- Hollis, C. George; and Lutey, Richard W., to Buckman Laboratories International, Inc. Method for the control of mollusks. 4,866,080, 9-12-89, Cl. 514-367.000.
- Hollis, Calvin L.; and Taylor, James L. Oil skimming apparatus. 4,842,735, 6-27-89, Cl. 210-242.300.
- Hollis, John P., Jr. Artificial maple concentrate attractant rodent baits. 4,842,861, 6-27-89, Cl. 424-410.000.
- Hollis, Mark A.; Goodhue, William D.; Nichols, Kirby B.; and Bergeron, Normand J., Jr., to Massachusetts Institute of Technology. High mobility transistor with opposed-gates. 4,839,310, 6-13-89, Cl. 437-41.000.
- Hollis, Ralph L., Jr., to International Business Machines Corporation. Magnetically levitated fine motion robot wrist with programmable compliance. 4,874,998, 10-17-89, Cl. 318-568.210.
- Hollis, Robert; Lewis, John E.; and Ackerman, Marvin, to Oceanic USA. Data sensing and processing device for scuba divers. 4,882,678, 11-21-89, Cl. 364-413.310.
- Hollister, Allen L.; and Reuss, Edward L., to Tektronix, Inc. Level detecting waveform sampling system. 4,799,165, 1-17-89, Cl. 364-487.000.
- Hollister, Graham, Jr. Wood splitting method and apparatus. 4,875,514, 10-24-89, Cl. 144-367.000.
- Hollister Incorporated: *See—*
  - Kay, Paul O., 4,808,173, Cl. 604-339.000.
  - Metz, Michael; Tokarz, Joseph S.; and Jensen, Marvin E., 4,889,532, Cl. 604-330.000.
  - Mohiuddin, Mahmood; Schneider, Barry L.; and Kay, Paul O., 4,889,534, Cl. 604-339.000.
  - Nowak, George M.; and Habib, Wagdi W., 4,834,731, Cl. 604-339.000.
  - Schneider, Barry L.; and Tokarz, Joseph S., 4,795,449, Cl. 604-329.000.
  - Therriault, Donald J.; Olach, Robert G.; and Biersteker, John S., 4,863,449, Cl. 604-352.000.
- Hollmann, Friedrich: *See—*
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  - Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, 4,862,570, Cl. 29-81.00A.
  - Feldmann, Hugo; Hollmann, Friedrich; Gartner, Horst; and Beisemann, Gerd, 4,798,074, Cl. 72-247.000.
- Hollo , Sandor: *See—*
  - Szanto, Janos; Hollo , Sandor; Nyiri, Balazs; and Nagel, Ferenc, 4,843,266, Cl. 313-25.000.
- Holloch, Johannes: *See—*
  - Focke, Heinz; and Holloch, Johannes, 4,865,516, Cl. 414-792.800.
- Hollopeter, Roy D.: *See—*
  - Berrettini, Bruce J.; Bucci, Donald P.; and Hollopeter, Roy D., 4,805,672, Cl. 141-5.000.
- Holloway, Clifford C. Method for separation, recovery, and recycling of plastics from municipal solid waste. 4,844,351, 7-4-89, Cl. 241-19.000.
- Holloway, David E. Locating devices for soil displacement hammers. 4,854,398, 8-8-89, Cl. 175-45.000.
- Holloway, Ian: *See—*
  - Harrison, Neil; Aitken, Cliff R. R.; and Holloway, Ian, 4,858,274, Cl. 16-265.000.
- Holloway, John T.; Moon, David A.; Cannon, Howard I.; Knight, Thomas F.; Edwards, Bruce E.; and Weinreb, Daniel L., to Symbolics, Inc. Symbolic language data processing system. 4,887,235, 12-12-89, Cl. 364-900.000.
- Holloway, Lowell E. Holloway's self-deploying stabilizing jack. 4,865,295, 9-12-89, Cl. 254-423.000.
- Holloway, Oris E., Jr.; Wilkins, Howard; and Gannis, Peter M., to Nabisco Brands, Inc. Process for honey roasting nuts. 4,828,858, 5-9-89, Cl. 426-293.000.
- Holloway, Oris E., Jr.: *See—*
  - Gannis, Peter M.; Wilkins, Howard; and Holloway, Oris E., Jr., 4,822,625, Cl. 426-93.000.
- Holloway, Thomas C.; Haken, Roger A.; and Chapman, Richard A., to Texas Instruments Incorporated. Threshold adjustment method for an IGFET. 4,845,047, 7-4-89, Cl. 437-45.000.
- Holloway, Thomas C.: *See—*
  - Groover, Robert, III; Haken, Roger A.; and Holloway, Thomas C., 4,804,636, Cl. 437-52.000.
  - Haken, Roger A.; and Holloway, Thomas C., 4,821,085, Cl. 357-67.000.
  - Tigelaar, Howard L.; Paterson, James L.; Haken, Roger A.; and Holloway, Thomas C., 4,811,076, Cl. 357-51.000.
  - Tigelaar, Howard L.; Haken, Roger A.; and Holloway, Thomas C., 4,811,078, Cl. 357-54.000.
  - Tigelaar, Howard L.; Haken, Roger A.; Holloway, Thomas C.; and Groover, Robert, III, 4,814,854, Cl. 357-67.000.
- Holloway, Tom C.: *See—*
  - Lin, Jia-Wen; and Holloway, Tom C., 4,866,659, Cl. 364-421.000.
- Holloway, Wynford, to Creative Devices Research Limited. Joystick assemblies. 4,816,622, 3-28-89, Cl. 200-6.00A.
- Hollowick, Inc.: *See—*
  - Menter, J. Alan, 4,805,076, Cl. 362-180.000.
- Hollox, Graham E., to SKF Industrial Trading and Development Co B.V. Method of producing an object, in particular a rolling bearing, consisting of at least two moving parts locked into each other. 4,858,294, 8-22-89, Cl. 29-149.50R.

Hollrigl, Gunter; and Rodrigues, Pedro, to Swiss Aluminium Ltd. Process for manufacturing a fine-grained recrystallized sheet. 4,797,164, 1-10-89, Cl. 148-2.000.

Hollrock Engineering, Inc.: *See—*

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Hollrock, J. Richard, to Hollrock Engineering, Inc. Golf ball washer. 4,805,251, 2-21-89, Cl. 15-21.00A.

Hollstein, Christian: *See—*

Sichart, Frithjof V.; Hollstein, Christian; and Kirchberger, Klaus, 4,852,097, Cl. 371-37.000.

Hollstein, Roger L.; and Siegwart, Barry, to Motorola, Inc. Multifunction onboard input/output termination. 4,804,861, 2-14-89, Cl. 307-455.000.

Hollstein, Roger L.; and Phan, M. Ngheim, to Motorola Inc. ECL logic gate. 4,871,929, 10-3-89, Cl. 307-455.000.

Hollstein, Thomas E.: *See—*

Gacka, Mark; Hollstein, Thomas E.; and Traylor, John C., 4,815,666, Cl. 239-697.000.

Hollweck, Walter, to Thermostat-und Schattgeratebau GmbH Co. KG. Power control device. 4,839,626, 6-13-89, Cl. 337-377.000.

Hollweck, Walter, to Inter Control Hermann Kohler Elektrik GmbH & Co. KG. Bimetal switch. 4,862,132, 8-29-89, Cl. 337-102.000.

Holly, Arthur C., to Board of Regents The University of Texas System. Sonar system using acoustically transparent continuous aperture transducers for multiple beam formation. 4,833,360, 5-23-89, Cl. 310-334.000.

Holly, Frank J. Ophthalmic solution for treatment of dry-eye syndrome. 4,883,658, 11-28-89, Cl. 424-80.000.

Holly, Henry M., III, to Westinghouse Electric Corp. Semi-rigid spacer for diamond area of dynamoelectric machine. 4,853,577, 8-1-89, Cl. 340-260.000.

Holly, Henry M., III: *See—*

Rowe, Charles M.; and Holly, Henry M., III, 4,808,873, Cl. 310-260.000.

Holly, Patrick J.; Parrillo, Louis C.; and Baker, Frank K., to Motorola, Inc. Double-implant process for forming graded source/drain regions. 4,801,555, 1-31-89, Cl. 437-29.000.

Holly, Patrick J.: *See—*

Mauntel, Richard W.; Cosentino, Stephen J.; Parrillo, Louis C.; and Holly, Patrick J., 4,808,555, Cl. 437-191.000.

Holly, Sandor, to Rockwell International Corporation. Multicolored laser source. 4,866,720, 9-12-89, Cl. 372-23.000.

Holm, David A.; and Denault, Wesley C. Trailer jack using full sized spare tire. 4,799,648, 1-24-89, Cl. 254-420.000.

Holm, David A.: *See—*

Willard, Miles J.; Dayley, Kyle E.; Hix, Veldon M.; and Holm, David A., 4,889,733, Cl. 426-438.000.

Willard, Miles J.; Dayley, Kyle E.; Hix, Veldon M.; and Holm, David A., 4,889,737, Cl. 426-550.000.

Holm, Harry. Method of making blocks, beams, pipes and building elements that can be sawn and nailed. 4,863,519, 9-5-89, Cl. 106-97.000.

Holm-Kennedy, James W.; and Okada, David N. Distributed channel-bipolar device. 4,885,623, 12-5-89, Cl. 357-34.000.

Holm, Lauri, to Systemteknik AB. Arrangement in a load-sensing body. 4,860,840, 8-29-89, Cl. 177-208.000.

Holm, Lauri J., to Systemteknik AB. Liquid level indicator. 4,843,876, 7-4-89, Cl. 73-309.000.

Holm, Mark L.: *See—*

DeLorme, Dennis S.; Holm, Mark L.; Lee, Wilson D.; Passe, Peter B.; Ricard, Gary R.; Timms, George D., Jr.; and Youngren, Larry W., 4,819,156, Cl. 364-200.000.

Holm, Paige M.; and Moyer, Curtis D., to Motorola Inc. GaAs MESFET. 4,805,003, 2-14-89, Cl. 357-22.000.

Holm, Richard D.: *See—*

Feather, Landis E.; Martincic, Paul W.; Holm, Richard D.; and Thompson, Richard E., 4,864,266, Cl. 336-150.000.

Holm, Sune, deceased (Elisabet, Ingrid Birgitta, nee Jansson, Eva Christina Holm, Claes Frederick Holm, executors); Malmberg, Rolf; and Svensson, Kjell, to Alfa-Laval Food and Dairy Engineering AB. Method for producing milk with a lowered bacterial content. 4,876,100, 10-24-89, Cl. 426-491.000.

Holman, B. Leonard: *See—*

Neirinckx, Rudi D.; Holman, B. Leonard; Davis, Michael A.; and Harris, Gale I., 4,830,848, Cl. 424-1.100.

Holman, Curtis D., to Cooper Industries, Inc. Sign lighting luminaire. 4,845,604, 7-4-89, Cl. 362-431.000.

Holman, Earl V.: *See—*

Barnett, Clifford J.; Greenwood, John E.; and Holman, Earl V., 4,860,974, Cl. 244-158.00R.

Holman, James L.; Willford, George A.; and Baer, Kurt R., to Dana Corporation. Vehicle transmission hill holder with releasable one way clutch. 4,867,291, 9-19-89, Cl. 192-4.00A.

Holman, James L.; and Willford, George A., to Dana Corporation. Dual ratio transmission shifter assembly with neutral safety switch. 4,875,383, 10-24-89, Cl. 74-473.00R.

Holman, Marie T. Permanent wave roller. 4,809,719, 3-7-89, Cl. 132-250.000.

Holman, Mark A. Funnel tool to remove oil filters. 4,867,017, 9-19-89, Cl. 81-121.100.

Holman, Rury R.: *See—*

Turner, Robert C.; and Holman, Rury R., 4,817,603, Cl. 128-329.00R.

Turner, Robert C.; and Holman, Rury R., 4,856,515, Cl. 128-315.000.

Holmberg, Dick L. Erosion control foundation mat and method. 4,889,446, 12-26-89, Cl. 405-19.000.

Holmberg, Goran I., to Basics Corporation. Portable data system. 4,851,812, 7-25-89, Cl. 340-407.000.

Holmberg, Krister; and Osterberg, Eva, to Berol Kemi AB. Ether phosphonate surfactants having branched hydrophobic tails and their use in an enhanced oil recovery process. 4,831,176, 5-16-89, Cl. 558-186.000.

Holmberg, Krister; and Osterberg, Eva, to Berol Kemi AB. Process for the transesterification of triglycerides in an aqueous microemulsion reaction medium in the presence of lipase enzyme. 4,839,287, 6-13-89, Cl. 435-135.000.

Holmberg, Scott H.; and Flasck, Richard A., to Alphasil, Inc. Method of manufacturing flat panel backplanes including improved testing and yields thereof and displays made thereby. 4,820,222, 4-11-89, Cl. 445-3.000.

Holmberg, Scott H.: *See—*

Flasck, Richard A.; Irwin, Benny; and Holmberg, Scott H., 4,842,378, Cl. 350-345.000.

Holmbo, Dennis L., to Tektronix, Inc. Microprocessor interface device for coupling non-compatible protocol peripheral with processor. 4,860,200, 8-22-89, Cl. 364-200.000.

Holme, Alan E., to BOC Group, Inc., The. Mass spectrometer with means to correct for threshold carbon dioxide. 4,810,877, 3-7-89, Cl. 250-288.000.

Holmens Bruk Aktiebolag: *See—*

Jernberg, Marita; and Kall, Mikael, 4,846,415, Cl. 242-55.530.

Holmer, Ernst, to AB Volvo. Method for controlling the working cycle of an internal combustion engine. 4,815,423, 3-28-89, Cl. 123-90.600.

Holmer, Ernst, to AB Volvo. Valve mechanism for an internal combustion engine. 4,829,949, 5-16-89, Cl. 123-90.390.

Holmer, Ernst, to AB Volvo. Method and an arrangement for controlling the working cycle of a turbocharged internal combustion engine. 4,852,353, 8-1-89, Cl. 60-605.100.

Holmes, Alan W., to Santa Barbara Research Center. Cylindrical wide field receiver element. 4,855,588, 8-8-89, Cl. 250-203.00R.

Holmes, Alan W.: *See—*

Burrowes, David E.; and Holmes, Alan W., 4,881,070, Cl. 340-870.020.

Holmes, Allen B., to Defense Research Technologies, Inc. Fuel injection of coal slurry using vortex nozzles and valves. 4,862,837, 9-5-89, Cl. 123-23.000.

Holmes, Ann: *See—*

Creger, Paul L.; Hoefle, Milton L.; and Holmes, Ann, 4,882,357, Cl. 514-622.000.

Holmes, Arthur J., to Butterworth Jetting Systems, Inc. Forklift apparatus for unloading articles from an elevated surface. 4,826,474, 5-2-89, Cl. 414-699.000.

Holmes, Brian M.: *See—*

Boucher, Terry D.; and Holmes, Brian M., 4,810,090, Cl. 356-39.000.

Holmes, Craig R.: *See—*

Vitek, Robert F.; Holmes, Craig R.; and Edwards, Laura B., 4,845,634, Cl. 364-468.000.

Holmes, David S., to Research Foundation of State University of New York, The. Process for the rapid and simple isolation of nucleic acids. 4,830,969, 5-16-89, Cl. 435-259.000.

Holmes, Douglas. Quick reloading devices. 4,829,693, 5-16-89, Cl. 42-87.000.

Holmes, Ervine S.: *See—*

Nagji, Moez M.; and Holmes, Ervine S., 4,830,733, Cl. 208-208.00R.

Nagji, Moez M.; Holmes, Ervine S.; and Pai, Jenny L., 4,830,734, Cl. 208-208.00R.

Holmes, Gerald E.; and Pace, Jerry E., to Century Wrecker Corporation. Wheel lift tow assembly. 4,836,737, 6-6-89, Cl. 414-563.000.

Holmes, Gordon W., to Professional Packaging Limited. Mailing and shipping carton. 4,830,270, 5-16-89, Cl. 229-102.000.

Holmes, Harlan K.; Moore, Thomas C., Jr.; and Fantl, Andrew J., to United States of America, National Aeronautics and Space Administration; and Virginia Commonwealth University. Circumferential pressure probe. 4,873,990, 10-17-89, Cl. 128-748.000.

Holmes, Horace D. Self-locking fastener and tool for making same. 4,826,377, 5-2-89, Cl. 411-311.000.

Holmes International Inc.: *See—*

Lock, Walter G., 4,859,134, Cl. 414-563.000.

Moore, Vernon S.; and Hamman, Reed K., 4,822,089, Cl. 294-82.340.

Moore, Vernon S., 4,842,317, Cl. 296-36.000.

Moore, Vernon S.; and Hamman, Reed K., 4,871,291, Cl. 414-563.000.

Holmes, J. Fred; Hunt, John M.; Draper, Douglas C.; Cloninger, Todd L.; Mersereau, Tom R.; and Hosler, Michael J., to Oregon Graduate Center. Laser wax joinery method and apparatus. 4,806,729, 2-21-89, Cl. 219-121.630.

Holmes, James: *See—*

Brauninger, Jurgen; Holmes, James; and Sieber, Albrecht, 4,808,920, Cl. 324-161.000.

Holmes, James L.; and Parks, Ralph P., Jr., to GTE Products Corporation. Mercury dispenser for arc discharge lamps. 4,823,047, 4-18-89, Cl. 313-546.000.

Holmes, Jerry D.; and Chalkley, Hatcher E., to Texas Instruments Incorporated. Global position system receiver. 4,807,256, 2-21-89, Cl. 375-97.000.

Holmes, John N., to National Research Development Corporation. Apparatus and methods for speech analysis. 4,809,331, 2-28-89, Cl. 381-41.000.

Holmes, Kim P.: *See—*

Page, Steven J.; Wills, Derek P. M.; Lowe, Barry M.; Brown, John G.; Curtis, Neil J.; Hall, Adrian J.; and Holmes, Kim P., 4,849,893, Cl. 364-434.000.

Holmes, Lewis D., Jr.: *See—*

Gaspard, Preston T.; Holmes, Lewis D., Jr.; and Theis, James V., 4,809,510, Cl. 60-648.000.

Holmes, Mark: *See—*

Dunn, David J.; Vano, Patrick P.; Moran, James P., Jr.; Holmes, Mark; and Frauenglass, Elliott, 4,855,002, Cl. 156-307.300.

Holmes, Mark A.: *See—*

Tie, Thomas K.; Holmes, Mark A.; and Rank, Anne W., 4,850,995, Cl. 604-6.000.

Holmes, Martin J.; and Harris, Ron, to Iolab Corporation. Lens insertion instrument. 4,880,000, 11-14-89, Cl. 128-303.00R.

Holmes, Michael: *See—*

Wakeman, Anthony C.; Ironside, John M.; Holmes, Michael; and Barnard, Simon C., 4,843,556, Cl. 364-431.080.

Holmes, Paul: *See—*

Houghton, Fred; and Holmes, Paul, 4,831,968, Cl. 122-362.000.

Holmes, Paul A.: *See—*

Ballard, Denis G. H.; Holmes, Paul A.; Nevin, Alan; Shirley, Ian M.; and Twose, David L., 4,798,742, Cl. 427-240.000.

Holmes, Peter G.; Lowe, Michael; and Donaghue, Christopher, to Norprint International Limited. Baggage and security label, primarily for use by airlines. 4,882,861, 11-28-89, Cl. 40-299.000.

Holmes Products Corp.: *See—*

Shin-Chin, Shao, 4,799,858, Cl. 416-110.000.

Shin-Chin, Shao, 4,838,151, Cl. 98-94.100.

Holmes, Richard B. Simultaneous all-optical logical operations using the third order nonlinear optical effect and a single waveguide. 4,812,682, 3-14-89, Cl. 307-425.000.

Holmes, Richard E.; and Mays, Joe A., to Gould Inc. Analog display circuit including a wideband amplifier circuit for a high resolution raster display system. 4,803,464, 2-7-89, Cl. 340-732.000.

Holmes, Richard E.; and Jungheim, Louis N., to Eli Lilly and Company. Substituted diazolidinones. 4,826,993, 5-2-89, Cl. 548-365.000.

Holmes, Richard W.; and Escobar, Jaime A., to Envirosafe Corp. Apparatus and method for the safe and effective, large scale removal and disposal of hazardous materials from building components. 4,817,644, 4-4-89, Cl. 134-6.000.

Holmes, Robert E.: *See—*

Helderman, Earl R.; Holmes, Robert E.; and Zimmerman, Robert R., 4,847,445, Cl. 174-68.500.

Holmes, Robert W. Sander attachment. 4,802,310, 2-7-89, Cl. 51-170.0MT.

Holmes, Stephen E. "ESU" flying ring. 4,854,907, 8-8-89, Cl. 446-48.000.

Holmes, Steven C. Remote output indicator for providing output indications from a remotely located radar detector which is adapted to be used in connection with a brake light indicator. 4,801,938, 1-31-89, Cl. 342-20.000.

Holmes, Steven C. Remote output indicator for providing output indications from a remotely located radar detector. 4,818,997, 4-4-89, Cl. 342-20.000.

Holmes, Steven J., to International Business Machines Corporation. Vapor phase photoresist silylation process. 4,808,511, 2-28-89, Cl. 430-325.000.

Holmes, Thomas; and Griffiths, Phillip N., to S P Tyres U K Limited. Vehicle wheels. 4,800,940, 1-31-89, Cl. 152-379.400.

Holmes, Thomas: *See—*

Griffiths, Phillip N.; and Holmes, Thomas, 4,794,968, Cl. 152-544.000.

Walker, John C.; and Holmes, Thomas, 4,876,528, Cl. 340-442.000.

Holmes, Thomas F.: *See—*

DeLuca, Joan S.; Holmes, Thomas F.; and Abbaticchio, Mark J., 4,872,005, Cl. 340-825.440.

Holmes, Timothy L.: *See—*

Chen, Gilbert; Holmes, Timothy L.; Mastrodomenico, Augusto; and Binkley, Michael J., 4,842,778, Cl. 261-97.000.

Holmes, Tom: *See—*

Corner, Michael R.; Griffiths, Phillip N.; Holmes, Tom; and Kemp, Ian, 4,836,260, Cl. 152-375.000.

Holmes, Warwick H.: *See—*

Hayes, Joseph F.; and Holmes, Warwick H., 4,819,537, Cl. 84-1.110.

Holmes, William E.: *See—*

Cabilly, Shmuel; Heyneker, Herbert L.; Holmes, William E.; Riggs, Arthur D.; and Wetzel, Ronald B., 4,816,567, Cl. 530-387.000.

Holmes, William K.; and Mliker, John J., to Hi-Ranger, Inc. Bucket leveling system. 4,858,723, 8-22-89, Cl. 182-2.000.

Holmes, William K., to Hi-Ranger, Inc. Aerial lift including overload sensing system. 4,861,224, 8-29-89, Cl. 414-680.000.

Holmgren, Harry: *See—*

Axelsson, Owe; Holmgren, Harry; and Birkenbeul, Heinz, 4,856,709, Cl. 229-125.340.

Holmgren, Harry W. Drawstring recovery and restringing system. 4,863,079, 9-5-89, Cl. 223-103.000.

Holmgren, Jan R.; Lindholm, Leif Gustav; and Svennerholm, Lars T. Diagnosing and monitoring cancer. 4,888,275, 12-19-89, Cl. 435-7.000.

Holmgren, Kjell Ake B., to MW Trading APS. Seal for a box enclosing a compact disc or tape cassette. 4,819,797, 4-11-89, Cl. 206-309.000.

Holmgren, Nils V.; Martin, Donald R.; and Phouybanhdyt, Hinhsomchay, to Cooper Power Systems, Inc. Switchgear enclosure with improved supporting frame and improved access door. 4,821,143, 4-11-89, Cl. 361-335.000.

Holmgren, Nils V.: *See—*

Martin, Donald R.; and Holmgren, Nils V., 4,845,324, Cl. 200-400.000.

Holmgren, William A.: *See—*

Ames, Gregory H.; Holmgren, William A.; and Widener, A. Lee, 4,816,759, Cl. 324-207.000.

Holmlund, Erling S.: *See—*

Jansson, Gunnel B.; and Holmlund, Erling S., 4,877,746, Cl. 436-518.000.

Holmquist, Fredrik, to NDC Technologies, Inc. Optical navigation system for an automatic guided vehicle, and method. 4,858,132, 8-15-89, Cl. 364-424.020.

Holmquist, Kurt E., to Paradyne Corp. System and method for reducing deadlock conditions caused by repeated transmission of data sequences equivalent to those used for inter-device signalling. 4,864,617, 9-5-89, Cl. 380-49.000.

Holmquist, Melvin L. Bird feeder with scale. 4,811,694, 3-14-89, Cl. 119-52.00R.

Holmsen, Theodore W.: *See—*

Kleschick, William A.; Secor, Jacob; and Holmsen, Theodore W., 4,874,421, Cl. 71-9.00H.

Holmstrand, Allan L., to Magnetic Peripherals Inc. Textured lapping plate and process for its manufacture. 4,821,461, 4-18-89, Cl. 51-209.0DL.

Holmstrand, Allan L., to Magnetic Peripherals Inc. Apparatus for guiding the flow of abrasive slurry over a lapping surface. 4,850,157, 7-25-89, Cl. 51-128.000.

Holmstrand, Allan L., to Magnetic Peripherals Inc. Textured lapping plate and process for its manufacture. 4,866,886, 9-19-89, Cl. 51-307.000.

Holmstrom, Carl A. Collapsible holder for aerosol dispensers. 4,838,466, 6-13-89, Cl. 224-250.000.

Holmstrom, Gert; and Mellbin, Paul, to Tetra Pak International AB. Heating arrangement for packing containers holding liquid contents. 4,820,892, 4-11-89, Cl. 219-10.491.

Holmstrom, Goran: *See—*

Hjortsberg, Arne; Holmstrom, Goran; and Karlsson, Thommy, 4,806,806, Cl. 310-45.000.

Holmstrom, John A. Shelf support brackets. 4,805,860, 2-21-89, Cl. 248-220.100.

Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Paul, Volker, to Bayer Aktiengesellschaft. Fungicidal and plant growth-regulating novel substituted 1-hydroxyalkyl-azolyl derivatives. 4,797,499, 1-10-89, Cl. 549-559.000.

Holmwood, Graham; Weissmuller, Joachim; Brandes, Wilhelm; and Reinecke, Paul, to Bayer Aktiengesellschaft. Heterocyclic amide derivatives. 4,840,961, 6-20-89, Cl. 514-399.000.

Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, to Bayer Aktiengesellschaft. Hydroxyethyl-azole derivatives. 4,843,088, 6-27-89, Cl. 514-383.000.

Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; and Plempel, Manfred, to Bayer Aktiengesellschaft. Antimycotic agent. 4,843,089, 6-27-89, Cl. 514-383.000.

Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Lurssen, Klaus, to Bayer Aktiengesellschaft. Ether derivatives of substituted 1-hydroxyalkyl-azoles as fungicides and plant growth regulators. 4,868,196, 9-19-89, Cl. 514-383.000.

Holmwood, Graham; Buchel, Karl H.; Plempel, Manfred; and Haller, Ingo, to Bayer Aktiengesellschaft. Antimicrobial agents and their use. 4,870,093, 9-26-89, Cl. 514-383.000.

Holmwood, Graham; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; and Brandes, Wilhelm, to Bayer Aktiengesellschaft. 1-hydroxyethyl-azole compounds and agricultural compositions. 4,871,390, 10-3-89, Cl. 71-92.000.

Holmwood, Graham: *See—*

Brandes, Wilhelm; Kaspers, Helmut; Scheinpflug, Hans; and Holmwood, Graham, 4,831,048, Cl. 514-383.000.

Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, 4,845,111, Cl. 514-383.000.

Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, 4,845,112, Cl. 514-383.000.

Brandes, Wilhelm; Hanssler, Gerd; Reinecke, Paul; Scheinpflug, Hans; and Holmwood, Graham, 4,849,440, Cl. 514-383.000.

Elbe, Hans-Ludwig; and Holmwood, Graham, 4,806,644, Cl. 544-335.000.

Elbe, Hans-Ludwig; Holmwood, Graham; Regel, Erick; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,870,092, Cl. 514-383.000.

Kaulen, Johannes; Arlt, Dieter; Holmwood, Graham; and Kramer, Wolfgang, 4,855,438, Cl. 548-262.000.

Holoch, Jan; Guthmann, Alfred; Christoph, Hans-Juergen; and Kemper, Heinz B., to BASF Aktiengesellschaft. Molding materials based on curable unsaturated polyester resins and having a long shelf life. 4,829,106, 5-9-89, Cl. 523-506.000.

Holodnak, Richard S.: *See—*

Riley, Gilbert N.; Holodnak, Richard S.; and Malin, Richard A., 4,876,956, Cl. 101-91.000.

Hologic, Inc.: *See—*

Stein, Jay A., 4,811,373, Cl. 378-54.000.

- Holonyak, Nick, Jr.; and Deppe, Dennis, to University of Illinois. Semiconductor light emitting device with stacked active regions. 4,817,103, 3-28-89, Cl. 372-45.000.
- Holonyak, Nick, Jr.; and Burnham, Robert D., to Xerox Corporation. Semiconductor structures utilizing semiconductor support means selectively pretreated with migratory defects. 4,871,690, 10-3-89, Cl. 437-105.000.
- Holotek, Ltd.: *See—*
  - Kramer, Charles J., 4,826,268, Cl. 350-371.000.
  - Kramer, Charles J., 4,852,956, Cl. 350-3.710.
- Holoubek, George H.; and Rhoades, John J., to Wheeling Stamping Company. Tamper-evident container assembly. 4,844,250, 7-4-89, Cl. 222-107.000.
- Holowach, Joseph; and Lee, George D., to United States of America, Air Force. Bimetallic air seal for exhaust nozzles. 4,813,608, 3-21-89, Cl. 239-265.370.
- Holowaty, Michael O., to Frema, Inc. Low-sulfur, lead-free alloy. 4,865,805, 9-12-89, Cl. 420-85.000.
- Holowczenko, Alex, to Carrier Corporation. Method for making an infrared burner. 4,883,423, 11-28-89, Cl. 431-328.000.
- Holroyd, Nigel J. H.; Hepples, Warren; and Scamans, Geoffrey M., to Alcan International Limited. Welded aluminum alloy composite. 4,880,709, 11-14-89, Cl. 428-654.000.
- Holroyd, Trevor J., to Rolls-Royce. Anti lock braking system for vehicle. 4,819,994, 4-11-89, Cl. 303-100.000.
- Holschbach, Stephen E., to Hamilton Industries, Inc. Fume hood with multifunctional sash lock. 4,829,887, 5-16-89, Cl. 98-115.300.
- Holscher, Ebo J.; and Dijkshoorn, Jacobus, to Lever Brothers Company. Bakery product with a reduced fat edible water-in-oil emulsion. 4,818,553, 4-4-89, Cl. 426-549.000.
- Holsclaw, Linda A. Dental bridge and method. 4,877,400, 10-31-89, Cl. 433-183.000.
- Holsinger, Kevin, to Spectra Physics, Inc. Windup prevention system for a control loop to prevent overshoot. 4,872,104, 10-3-89, Cl. 364-166.000.
- Holss, Kurt; and Lotz, Heinrich, to Arthur Pfeiffer Vakuumtechnik Wetzlar GmbH. Pumps. 4,832,564, 5-23-89, Cl. 415-90.000.
- Holst, Barrie J.: *See—*
  - Wilkinson, Barry N.; and Holst, Barrie J., 4,851,836, Cl. 340-944.000.
- Holst, Edward H.: *See—*
  - Lewis, Paul H.; Dai, Eugene P.; and Holst, Edward H., 4,798,819, Cl. 502-304.000.
- Holst, Svend; Jensen, Niels; and Jensen, Georg, to B & J Rocket Rasp A/S. Grinding machine for grinding or rasping of rubber items. 4,845,897, 7-11-89, Cl. 51-78.000.
- Holste, James C.: *See—*
  - Parker, Donald L.; Hall, Kenneth R.; and Holste, James C., 4,801,380, Cl. 210-500.210.
- Holstedt, Richard A.; and Croudace, Michael C., to Union Oil Company of California. Lubricating compositions. 4,801,729, 1-31-89, Cl. 558-289.000.
- Holstein, Jorg; and Rapp, Lothar, to Muller & Weigert, GmbH. Multimeter. 4,829,239, 5-9-89, Cl. 324-117.00H.
- Holstein und Kappert Aktiengesellschaft: *See—*
  - Unger, Dieter, 4,835,940, Cl. 53-342.000.
- Holstein und Kappert GmbH: *See—*
  - Brakelmann, Wolfgang, 4,856,551, Cl. 137-312.000.
  - Jordan, Heinrich; and Sushardt, Rolf, 4,794,959, Cl. 141-141.000.
- Holsten-Brauerei AG: *See—*
  - Dziondziak, Klaus, 4,814,188, Cl. 426-7.000.
  - Dziondziak, Klaus, 4,882,177, Cl. 426-14.000.
- Holstensson, Lars A. Seat mounting for office chairs. 4,838,510, 6-13-89, Cl. 248-397.000.
- Holston, Robert W.; and Halford, Thomas H. Underwater signaling device. 4,858,204, 8-15-89, Cl. 367-141.000.
- Holt, Alan W.; and Thaw, Martin, to British Aerospace Public Limited Company. Arming devices. 4,800,814, 1-31-89, Cl. 102-226.000.
- Holt, Arthur W. Character and pattern recognition machine and method. 4,837,842, 6-6-89, Cl. 382-26.000.
- Holt, Carl J., Jr: *See—*
  - Mears, Eric L.; Hertel, Richard J.; Brick, Robert V.; and Holt, Carl J., Jr, 4,817,556, Cl. 118-503.000.
- Holt, Christopher E.; and Rollett, John M., to British Telecommunications public limited company. Transmission system. 4,803,727, 2-7-89, Cl. 381-1.000.
- Holt, Dennis A.; Levy, Mark A.; and Metcalf, Brian W., to SmithKline Beckman Corporation. Phosphonic acid substituted aromatic steroids as inhibitors of steroid 5-α-reductase. 4,882,319, 11-21-89, Cl. 514-119.000.
- Holt, Dennis A.; Levy, Mark A.; and Metcalf, Brian W., to SmithKline Beckman Corporation. Steroid 5-alpha-reductase inhibitors. 4,888,336, 12-19-89, Cl. 514-278.000.
- Holt, Dewey L.: *See—*
  - Norman, Alan B.; Griffith, David W., Jr.; Holt, Dewey L.; Reynolds, John H., IV; and Sears, Stephen B., 4,858,628, Cl. 131-329.000.
- Holt, Earl R., to Hose Specialties/Capri, Inc. Excess flow control valve. 4,830,046, 5-16-89, Cl. 137-460.000.
- Holt, Elizabeth M.: *See—*
  - Berlin, Kenneth D.; Holt, Elizabeth M.; Ford, Warren T.; and Thompson, Mark D., 4,826,984, Cl. 546-134.000.
- Holt, George G. Palette with disposable mixing surface for mixing blendable materials. 4,858,955, 8-22-89, Cl. 281-44.000.
- Holt, George G. Cap attachment to prevent protruding hair. 4,872,218, 10-10-89, Cl. 2-171.500.
- Holt, J. Birch; Kingman, Donald D.; and Bianchini, Gregory M., to University of California, Regents of the. One step process for producing dense aluminum nitride and composites thereof. 4,877,759, 10-31-89, Cl. 501-96.000.
- Holt Joseph C.; and Losh, Russell L., to Talbert Manufacturing, Inc. Trailer. 4,806,065, 2-21-89, Cl. 414-481.000.
- Holt, Marcus N.: *See—*
  - Jahr, Richard T., Jr.; and Holt, Marcus N., 4,826,010, Cl. 220-467.000.
  - Jahr, Richard T., Jr.; and Holt, Marcus N., 4,826,040, Cl. 220-467.000.
  - Jahr, Richard T., Jr.; and Holt, Marcus N., 4,870,735, Cl. 29-157.30C.
- Holt, Neil L.; Larsson, Peter L.; Mohebban, Manoochehr; Sheehan, Stephen E.; and Bennett, Jeffrey A., to Raychem Corporation. Tubular article. 4,868,967, 9-26-89, Cl. 29-450.000.
- Holt, Neil L.: *See—*
  - Anderson, Milo D.; Holt, Neil L.; Larsson, Peter L.; and Richardson, Anthony R. W., 4,836,558, Cl. 277-1.000.
  - Connolly, Joseph; Holt, Neil L.; Richardson, Anthony R. W.; and Siedenburg, Jay, 4,889,506, Cl. 439-874.000.
- Holt, W. Eugene: *See—*
  - Martin, H. Lee; Williams, Daniel M.; and Holt, W. Eugene, 4,828,453, Cl. 414-738.000.
- Holt, William, to Alarm Accessory, Ltd. Pendulum alarm sensor. 4,812,824, 3-14-89, Cl. 340-566.000.
- Holte, Mark D.: *See—*
  - Varnell, William D.; Newton, Thomas D.; and Holte, Mark D., 4,806,596, Cl. 525-312.000.
- Holten, Petrus A. J., to U.S. Philips Corporation. Lamp vessel for multiple lamp types. 4,803,394, 2-7-89, Cl. 313-113.000.
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, to Holter, Heinz. Process for wet quenching of coke. 4,802,573, 2-7-89, Cl. 201-39.000.
- Holter, Heinz; and Gebhard, Georg, to Holter, Heinz. Process for making calcium sulfate dihydrate or gypsum. 4,832,936, 5-23-89, Cl. 423-555.000.
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Burggraf, Peter, to Holter, Heinz. Device for detecting different pollutants in gas streams. 4,875,406, 10-24-89, Cl. 98-2.010.
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Rump, Hanns, to Holter, Heinz. Process for indicating the presence of toxic substances in air that is supplied to a personnel-occupied space. 4,882,287, 11-21-89, Cl. 436-149.000.
- Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, to Holter, Heinz. Method of treating waste. 4,886,000, 12-12-89, Cl. 110-345.000.
- Holter, Heinz: *See—*
  - Jorzyk, Sigurd; Scholl, Gerhard; Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,885,011, Cl. 55-242.000.
- Holter, John W. Attitude and pressure responsive valve. 4,883,456, 11-28-89, Cl. 604-9.000.
- Holtermann, Heinz; and Luven, Arno, to Technometal Gesellschaft fur Metalltechnologie mbH. Reaction vessel for processing steel. 4,872,648, 10-10-89, Cl. 266-275.000.
- Holtermann, Henri; and Hamelin, Claude, to Laboratories Biotrol. Closure clamp for body waste collecting bag. 4,834,730, 5-30-89, Cl. 604-335.000.
- Holtermann, Henri; and Hamelin, Claude, to Laboratoires Biotrol. Two piece ostomy connection device. 4,846,798, 7-11-89, Cl. 604-339.000.
- Holtermann, Henri, to Laboratories Biotrol. Filter system with an incorporated gas escape opening, intended to be fitted in artificial anus drainage bags during their manufacture. 4,875,899, 10-24-89, Cl. 604-333.000.
- Holtermann, Rolf: *See—*
  - Bennoit, Horst; Frohlich, Walter; Holtermann, Rolf; and Krumbock, Reinhard, 4,851,134, Cl. 210-788.000.
- Holtermann, Theodore J.; and Hofmann, James L., to Outboard Marine Corporation. Fuel residual handling system. 4,820,213, 4-11-89, Cl. 440-88.000.
- Holtey, Thomas O.: *See—*
  - Goss, Gary J.; Hirsch, Thomas S.; and Holtey, Thomas O. 4,799,145, Cl. 364-200.000.
- Holtgreve, Johannes, to Klober, Johannes. Roofing slab. 4,843,794, 7-4-89, Cl. 52-199.000.
- Holthaus, Erich W.: *See—*
  - Steier, Klaus F.; Holthaus, Erich W.; and Kargl, Hermann, 4,830,597, Cl. 425-456.000.
- Holthoff, Helmut, to Kocks Technik GmbH & Co. Device for machining rolls in a rolling stand. 4,827,751, 5-9-89, Cl. 72-236.000.
- Holthoff, Helmut; and Moltner, Hermann, to Kocks Technik GmbH & Co. Gearing for driving the rolls of a roll train. 4,879,924, 11-14-89, Cl. 74-799.000.
- Holthoff, Helmut: *See—*
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- Holtje, Dagmar: *See—*
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- Holtman, Mark C.: *See—*
  - Harper, Harold M.; and Holtman, Mark C., 4,888,962, Cl. 62-503.000.
- Holtmann, Gunther, to Heers & Brockstedt, GmbH & Co. Dump formation and method of monitoring and repairing leakages in dumps. 4,846,604, 7-11-89, Cl. 405-128.000.

- Holtmann, Wilhelm: *See—*
  - Weitkamp, Jens; Neuber, Marita; Holtmann, Wilhelm; Collin, Gerd; and Spengler, Hans, 4,795,847, Cl 585-467.000.
- Holton, Brian W.: *See—*
  - Day, Carol A.; and Holton, Brian W., 4,851,240, Cl. 426-53.000.
- Holton, Robert A.; Juo, Rouh-Rong; and Lowenthal, Richard, to Research Corporation Technologies, Inc. Taxols, their preparation and intermediates thereof. 4,876,399, 10-24-89, Cl. 568-817.000.
- Holton, Robert J., to Eaton Corporation. Variable diameter screw fastener. 4,826,375, 5-2-89, Cl. 411-174.000.
- Holton, Robert J., to Eaton Corporation. Stud and stud retaining fastener assembly. 4,834,603, 5-30-89, Cl. 411-521.000.
- Holtronic Technologies Limited: *See—*
  - Phillips, Nicholas J., 4,857,425, Cl. 430-1.000.
- Holtrop, James S.; and Bowen, David, Jr., to Monsanto Company. Headliners having improved sound-absorbing characteristics. 4,851,283, 7-25-89, Cl. 428-284.000.
- Holtrop, John W., to United States of America, Navy. Jam resistant fluid power actuator for ballistic-damage tolerant redundant cylinder assemblies. 4,867,044, 9-19-89, Cl. 92-169.100.
- Holtschmidt, Ulrich: *See—*
  - Gruning, Burghard; Holtschmidt, Ulrich; Koerner, Gotz; and Rossmy, Gerd, 4,844,980, Cl. 428-405.000.
- Holtslander, Roger A., to Wolf Engineering Corporation. Strain measurement device. 4,825,701, 5-2-89, Cl. 73-782.000.
- Holtslander, Roger A., to Wolf Engineering Corporation. Proportional firing circuit. 4,878,011, 10-31-89, Cl. 323-319.000.
- Holtz, Bruce E.; and Trainor, John W., to Imagitek. Toner cartridge. 4,869,401, 9-26-89, Cl. 222-166.000.
- Holtvluwer, Douglas C., to Emergency Technology, Inc. Automotive vehicle exterior light flashing circuit. 4,859,988, 8-22-89, Cl. 340-471.000.
- Holtz, Edwin R.: *See—*
  - Gelinas, William A.; Holtz, Edwin R.; Argazzi, Dennis J.; Smigel, Robert L.; and Wiley, Dan W., 4,804,435, Cl. 156-379.600.
- Holtz, Glen D., to Federal-Mogul Corporation. Temperature compensated self-tensioning idler pulley. 4,808,148, 2-28-89, Cl. 474-112.000.
- Holtz, Joachim; Salama, Samir; and Salzmann, Theodor, to Siemens Aktiengesellschaft. Switching-relieved low-loss three-level inverter. 4,881,159, 11-14-89, Cl. 363-58.000.
- Holtz, Leonard: *See—*
  - Hochfeld, Stanley, 4,852,255, Cl. 30-102.000.
  - Hochfeld, Stanley, 4,858,805, Cl. 225-2.000.
- Holtz, R. B., to Spawn Mate, Inc. Osmoprotectant. 4,818,268, 4-4-89, Cl. 71-5.000.
- Holtz, Roger E.; and Stahl, Thomas A., to American Telephone and Telegraph Company, AT&T Information Systems Inc. Battery feed circuit for a telephone system. 4,813,066, 3-14-89, Cl. 379-413.000.
- Holtzapple, Mark T.; and Ernst, Donald M., to United States of America, Army. High efficiency, orientation-insensitive evaporator. 4,825,661, 5-2-89, Cl. 62-225.000.
- Holtzberg, Matthew. Internal combustion engine block and cylinder head. 4,848,292, 7-18-89, Cl. 123-193.0CH.
- Holtzclaw, James O., Jr.; and Novotny, Marvin A., to Hunter Company Inc., The. Holster with adjustable retaining strap. 4,858,800, 8-22-89, Cl. 224-243.000.
- Holtzhauer, Martin: *See—*
  - Schossler, Werner; Boeden, Hans-Friedrich; Holtzhauer, Martin; Loth, Fritz; Hiepe, Falk; Bertram, Dieter; Mielke, Frank; Muller, Reinhard; and Konjuchowa, Dagmar, 4,822,681, Cl. 428-405.000.
- Holtzman, Abraham M.; and Relis, Joseph, to Techo Instruments Investments Ltd. Use of immersion tin and alloys as a bonding medium for multilayer circuits. 4,816,070, 3-28-89, Cl. 106-122.000.
- Holtzman, Abraham M.; and Relis, Joseph, to Techno Instruments Investments 1983 Ltd. Use of immersion tin and tin alloys as a bonding medium for multilayer circuits. 4,882,202, 11-21-89, Cl. 427-98.000.
- Holtzman, Marc E. Disposable sample preparation container. 4,889,692, 12-26-89, Cl. 422-102.000.
- Holtzmann, Hans-Joachim: *See—*
  - Pietsch, Hanns; Kartheus, Holger; Holtzmann, Hans-Joachim; Sachau, Gunther; and Reul, Helmut, 4,831,065, Cl. 523-112.000.
- Holub, Edward P.: *See—*
  - Babcock, H. Nash; and Holub, Edward P., 4,839,115, Cl. 264-42.000.
- Holub, Elvin G. Shoe lace grip. 4,884,321, 12-5-89, Cl. 24-712.600.
- Holub, Fred F.; and Rock, John A., to General Electric Company. Ternary polymer blends containing a polyetherimide, a polyphthalate carbonate, and rubber modified vinyl aromatic polymer. 4,855,356, 8-8-89, Cl. 525-66.000.
- Holub, Fred F.; Abolins, Visvaldis; and Rock, John A., to General Electric Company. Flame retardant ternary blends of polyetherimide, polyphenylene ether and block copolymer of a vinyl aromatic hydrocarbon and an alkene compound. 4,873,287, 10-10-89, Cl. 525-92.000.
- Holub, Fred F.: *See—*
  - Abolins, Visvaldis; Betts, Joseph E.; Holub, Fred F.; and Lee, Gim F., Jr., 4,808,647, Cl. 524-141.000.
- Holupirek, Manfred: *See—*
  - Schmitt, Werner; Jochum, Peter; Zahler, Wolf-Dietrich; Hubner, Heijo; Holupirek, Manfred; Gasser, Oswald; and Herzig, Christian, 4,795,823, Cl. 560-182.000.
- Holy, Antonin; and Rosenberg, Ivan, to Ceskoslovenska akademie ved. 9-(phosponylmethoxyalkyl) adenines, the method of preparation and utilization thereof. 4,808,716, 2-28-89, Cl. 544-244.000.
- Holy, Franz; and Nader, Hans, to Maschinenfabrik Heid Aktiengesellschaft. Machine tool assembly. 4,837,918, 6-13-89, Cl. 29-568.000.
- Holy, Franz; and List, Walter, to Maschinenfabrik Heid Aktiengesellschaft. Workpiece positioner for chuck and center machining. 4,872,380, 10-10-89, Cl. 82-124.000.
- Holz, Emil, to Hermann Finckh Maschinenfabrik GmbH & Co. Pressure sorter. 4,842,722, 6-27-89, Cl. 209-270.000.
- Holz, Walter: *See—*
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- Holz, William G. Tab and recess lagging segment for pulley and method of mounting the same. 4,832,669, 5-23-89, Cl. 474-185.000.
- Holz, William G., deceased; and by Dourgarian, Edward, executor. Elongated member and cover for use with sizing screen. 4,863,589, 9-5-89, Cl. 209-409.000.
- Holzaepfel, Guenter: *See—*
  - Rickert, Hans; Mueller, Peter; and Holzaepfel, Guenter, 4,836,992, Cl. 423-242.000.
- Holzapfel, Heinz P.; and Michel, Peter, to Siemens Aktiengesellschaft. CMOS cell which can be used as a resistor, a capacitor, an RC component or a terminating impedance of a signal. 4,839,710, 6-13-89, Cl. 357-45.000.
- Holzapfel, Heinz-Peter; and Horninger, Karlheinrich, to Siemens Aktiengesellschaft. Modulo-2-adder for the logic-linking of three input signals. 4,803,649, 2-7-89, Cl. 364-784.000.
- Holzapfel, Jurgen: *See—*
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- Holzberger, Vinzenz; and Koger, Friedrich, to Wilhelm Gebhardt GmbH. Fan unit for use with duct systems. 4,798,518, 1-17-89, Cl. 415-211.000.
- Holzboog, Walter. Tilt action dispensing valve assembly. 4,824,075, 4-25-89, Cl. 251-349.000.
- Holzboog, Walter: *See—*
  - Metcoff, Dale M.; and Holzboog, Walter, 4,805,813, Cl. 222-402.220.
- Holzem, Johannes: *See—*
  - Preisler, Eberhard; Holzem, Johannes; Mietens, Gerhard; and Nolte, Gerhard, 4,818,354, Cl. 204-96.000.
- Holzemann, Gunter: *See—*
  - Raddatz, Peter; Holzemann, Gunter; Jonczyk, Alfred; Schmitges, Claus J.; and Minck, Klaus O., 4,812,555, Cl. 530-323.000.
  - Raddatz, Peter; Gante, Joachim; Schmitges, Claus J.; Minck, Klaus Otto; Sombroek, Johannes; and Holzemann, Gunter, 4,829,053, Cl. 514-18.000.
- Holzenkaempfer, Enno: *See—*
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- Holzer, Gerhard: *See—*
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- Holzer, Rolf: *See—*
  - Brown, Charles A.; Holzer, Rolf; and Patterson, John F., 4,849,161, Cl. 376-439.000.
- Holzer, Walter. Tennis racquet frame. 4,836,543, 6-6-89, Cl. 273-73.00C.
- Holzhauer, Hilbert: *See—*
  - Greune, Christian; and Holzhauer, Hilbert, 4,810,165, Cl. 415-156.000.
- Holzhauer, Horst; Weikert, Gunther; Kneib, Rudi; Polic, Marko; Robitschko, Peter; and Reinhard, Theodor, to Daimler-Benz Aktiengesellschaft. Anti-theft device for an automobile audio set. 4,866,416, 9-12-89, Cl. 340-426.000.
- Holzhauer, Juergen K.; Michalak, Dennis J.; and Schammel, Wayne P., to Amoco Corporation. Process for the oxidation of di- or trimethylbenzenes in the presence of cobalt and manganese from oxidation residue incinerator ash. 4,876,386, 10-24-89, Cl. 562-414.000.
- Holzhauer, Juergen K.; Oltrogge, Robert D.; and Michalak, Dennis J., to Amoco Corporation. Method for purifying a crude dimethyl naphthalene dicarboxylate. 4,886,901, 12-12-89, Cl. 560-77.000.
- Holzhauer, Ralf: *See—*
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- Holzhausen, Gary R.; and St. Lawrence, William, to Applied Geomechanics, Inc. Hydraulic fracture analysis method. 4,802,144, 1-31-89, Cl. 367-35.000.
- Holzinger, Gerhard: *See—*
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- Holzinger, Walter: *See—*
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  - Zeuner, Siegfried; and Holzinger, Walter, 4,865,667, Cl. 149-22.000.
- Holzknecht, Bernhard; Fuchs, Hugo; Hetzel, Eckhard; Wintermantel, Klaus; and Thoma, Peter, to Basf Aktiengesellschaft. Purification of frozen crystal layers. 4,795,571, 1-3-89, Cl. 210-774.000.
- Holzknecht, Bernhard: *See—*
  - Neubauer, Gerald; De Decker, Emile; Fuchs, Hugo; Holzknecht, Bernhard; and Ritz, Josef, 4,882,430, Cl. 540-540.000.
- Holzle, Josef, to Siemens Aktiengesellschaft. Circuit for generation of logic variables, using multiplexes and inverters. 4,825,105, 4-25-89, Cl. 307-440.000.
- Holzle, Roland: *See—*
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- Holzmacher, Gunther: *See—*
  - Feger, Rolf; and Holzmacher, Gunther, 4,809,143, Cl. 362-249.000.
  - Feger, Rolf; Holzmacher, Gunther; and Wirth, Hans-Joachim, 4,835,666, Cl. 362-268.000.

- Holzman, James W.: *See—*
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- Holzman, Richard W., to Falk Company, The. Air cooling of enclosed gear drives. 4,872,502, 10-10-89, Cl. 165-39.000.
- Holzman, Thomas F.: *See—*
  - Baldwin, Thomas O.; Holzman, Thomas F.; Satoh, Paul S.; and Yein, Frederick S., 4,879,249, Cl. 436-543.000.
- Holzmeister, John P.; and Holzmeister, June. Anatomical measuring device. 4,875,296, 10-24-89, Cl. 33-770.000.
- Holzmeister, June: *See—*
  - Holzmeister, John P.; and Holzmeister, June, 4,875,296, Cl. 33-770.000.
- Holzmuller, Reinhold; and Lucke, Roland, to Gebruder Lodige Maschinenbau-Gesellschaft. Process for removing solvents from bulk material. 4,818,297, 4-4-89, Cl. 134-12.000.
- Holznagel, Uwe, to Korber AG. Method of and apparatus for making rod-shaped smokers' articles with dense ends. 4,844,100, 7-4-89, Cl. 131-84.100.
- Holzner, Gunter, to Firmenich S.A. Plastic packing having multiple compartments for solid and liquid products. 4,798,288, 1-17-89, Cl. 206-222.000.
- Holzner, Gunter, to Firmenich S.A. Perfume composition with deodorizing or antiperspirant action. 4,803,195, 2-7-89, Cl. 512-4.000.
- Holzner, Gunter; Kittner, Peter; and Blake, Anthony, to Firmenich S.A. Process for flavoring an edible composition. 4,880,649, 11-14-89, Cl. 426-302.000.
- Holzrichter, Robert A.: *See—*
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- Holzschuh, Wolfgang; and Ganter, Wolfgang, to Junghans Uhren GmbH. Prefabricated strip conductor network assembly unit and process for making same. 4,803,544, 2-7-89, Cl. 357-72.000.
- Hom, Felix; Bockenhauer, Uwe; and Woodward, James R., to Rohr Industries, Inc. Engine duct and case construction. 4,801,070, 1-31-89, Cl. 228-184.000.
- Hom, Foo S.; and Ebert, William R., to R. P. Scherer Corporation. Sustained release method and product. 4,800,083, 1-24-89, Cl. 424-457.000.
- Hom, Harvey K. Y., to Microwave Components and Systems, Inc. Dual band feedhorn with two different dipole sets. 4,862,187, 8-29-89, Cl. 343-786.000.
- Homac Mfg. Company: *See—*
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  - Klosin, John J.; and Venezia, J. William, 4,859,812, Cl. 174-135.000.
- Homan, Charles J.: *See—*
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- Homan Company, Inc.: *See—*
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- Homan, Donald A. Marine toilet deodorant dispenser. 4,873,727, 10-17-89, Cl. 4-226.000.
- Homan, Jerald M. Game arrow. 4,802,677, 2-7-89, Cl. 273-416.000.
- Homan, John F., to Homan Company, Inc. Single track mobile storage structure and method. 4,802,622, 2-7-89, Cl. 238-10.00R.
- Homan, Morio; Sugie, Nizo; Yoshimura, Masakiyo; and Shirakawa, Yoshikazu, to Shionogi & Co., Ltd. Three layer composition for stabilizing a denture. 4,880,702, 11-14-89, Cl. 428-354.000.
- Homann, Bodo: *See—*
  - Schlachter, Reimund; and Homann, Bodo, 4,830,426, Cl. 296-121.000.
- Homann, Helmut F.; and Piper, Robert J. Antenna polar mount assembly. 4,800,394, 1-24-89, Cl. 343-882.000.
- Homann, Walter K., to Huls AG. Process for producing alkylidene compounds and arylidene compounds. 4,808,747, 2-28-89, Cl. 558-374.000.
- Hombach, Rudolf: *See—*
  - Henning, Wolfgang; Hombach, Rudolf; Meckel, Walter; and Dollhausen, Manfred, 4,870,129, Cl. 524-597.000.
  - Meckel, Walter; and Hombach, Rudolf, 4,868,266, Cl. 528-55.000.
  - Richter, Roland; Muller, Hanns P.; Hombach, Rudolf; Dollhausen, Manfred; Avar, Geza; and Freitag, Hans-Albrecht, 4,824,595, Cl. 252-182.170.
  - Sanders, Josef; Hombach, Rudolf; Reiff, Helmut; Dieterich, Dieter; and Dollhausen, Manfred, 4,870,206, Cl. 560-359.000.
  - Wank, Joachim; Waldenrath, Werner; and Hombach, Rudolf, 4,806,412, Cl. 428-203.000.
- Homberger, Heinrich; Timm, Jurgen; and Rodriques, Pedro, to Swiss Aluminium Ltd. Aluminium alloy for superplastic forming. 4,874,578, 10-17-89, Cl. 420-541.000.
- Hombu, Mitsuyuki: *See—*
  - Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seiri; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
  - Inaba, Hiromi; Shima, Seiya; Kurosawa, Toshiaki; Tobita, Toshimitsu; Hombu, Mitsuyuki; and Mitsui, Nobuo, 4,870,556, Cl. 363-41.000.
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  - Conanan, Virgilio D., 4,888,596, Cl. 343-703.000.
- Home Fashions, Inc.: *See—*
  - Ashby, Mark P., 4,828,002, Cl. 160-38.000.
  - Ebert, George W., 4,877,077, Cl. 160-236.000.
  - John, Julius F., 4,834,162, Cl. 160-168.100.
  - John, Julius F., 4,840,216, Cl. 160-178.100.
  - John, Julius F., 4,844,139, Cl. 160-168.100.
  - Setele, Richard A., 4,884,616, Cl. 160-236.000.
- Home & Roam Leisure Inc.: *See—*
  - Laputka, John T., 4,847,926, Cl. 4-506.000.
- Home Safe Corp.: *See—*
  - Wiczer, Max; and Peters, Albin, 4,805,906, Cl. 273-119.00A.
- Homeier, Edwin H.: *See—*
  - Joy, George C., III; and Homeier, Edwin H., 4,849,399, Cl. 502-333.000.
- Homeier, Ronald F.: *See—*
  - Anthony, James R.; Merrick, David; Homeier, Ronald F.; and Lortz, Allan R., 4,876,772, Cl. 24-637.000.
- Homer, David W., to Parkinson Cowan Ltd. Gas burner. 4,886,041, 12-12-89, Cl. 126-39.00R.
- Homer, John C.; Nowshiravani, Shahriar; Ross, Steven L.; and Lutz, Gilbert F., to General Signal Corporation. Calorimetry system. 4,809,190, 2-28-89, Cl. 364-510.000.
- Homer, John C.; and Lutz, Gilbert F., to General Signal Corporation. Vertically positioned transfer system for controlling and initiating the flow of metered amounts of solid materials. 4,816,227, 3-28-89, Cl. 422-159.000.
- Homer, John C., to General Signal Corporation. System for removing liquid from slurries of liquid and particulate material. 4,836,934, 6-6-89, Cl. 210-771.000.
- Homer, John C., to General Signal Corporation. System for removing liquid from a slurry of liquid and powdered material. 4,836,937, 6-6-89, Cl. 210-808.000.
- Homer, John C.; Nowshiravani, Shahriar; Ross, Steven L.; and Lutz, Gilbert F., to General Signal Corporation. Calorimetry system. 4,846,081, 7-11-89, Cl. 110-186.000.
- Homer, John C., to General Signal Corporation. Level sensor system. 4,888,989, 12-26-89, Cl. 73-304.00C.
- Homer Laughlin China Company, The: *See—*
  - Cutright, James W., 4,888,230, Cl. 428-195.000.
- Homer, Russel D.: *See—*
  - Mattis, Renate; Seidel, Gunther; Ubelhack, Heinrich; and Homer, Russel D., 4,799,256, Cl. 379-269.000.
- Homery, Alex L.: *See—*
  - Wagner, Robert K.; Homery, Alex L.; Asbury, Richard C.; and Davis, Allen W., Jr., 4,815,364, Cl. 98-114.000.
- Homestead Products, Inc.: *See—*
  - Robinson, Bernard L.; and Pickard, George L., 4,796,942, Cl. 296-39.200.
- Homeyer, Bernhard: *See—*
  - Gehring, Reinhold; Korte-Jensen, Uta; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,863,937, Cl. 514-333.000.
  - Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,803,215, Cl. 514-407.000.
  - Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, 4,804,675, Cl. 514-407.000.
  - Jensen-Korte, Uta; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Stendel, Wilhelm; Becker, Benedikt; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,810,720, Cl. 514-407.000.
  - Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Stendel, Wilhelm; Homeyer, Bernhard; and Behrenz, Wolfgang, 4,820,725, Cl. 514-407.000.
  - Maurer, Fritz; Becker, Benedikt; and Homeyer, Bernhard, 4,882,320, Cl. 514-86.000.
  - Maurer, Fritz; Sommer, Herbert; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,882,321, Cl. 514-86.000.
  - Naumann, Klaus; Braden, Rudolf; Behrenz, Wolfgang; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,820,735, Cl. 514-531.000.
  - Naumann, Klaus; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,839,390, Cl. 514-746.000.
  - Ooms, Pieter; Klausener, Alexander; Baasner, Bernd; Becker, Benedikt; Behrenz, Wolfgang; and Homeyer, Bernhard, 4,868,198, Cl. 514-406.000.
  - Tarnow, Horst; and Homeyer, Bernhard, 4,840,969, Cl. 514-617.000.
  - Wolf, Hilmar; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,831,036, Cl. 514-258.000.
- Homicz, Gregory F.: *See—*
  - Rich, Joseph W.; Homicz, Gregory F.; and Bergman, Richard C., 4,801,365, Cl. 204-157.220.
- Homma, Dai, to Naomitsu Tokieda. Circuit breaker actuated by shape memory alloy. 4,797,649, 1-10-89, Cl. 337-140.000.

- Homma, Hideo, to Canon Kabushiki Kaisha. Image sensing device. 4,858,020, 8-15-89, Cl. 358-287.000.
- Homma, Hiroyuki: *See—*
  - Miyasaka, Akihiro; Ogawa, Hiroyuki; Homma, Hiroyuki; Kitaguchi, Saburo; Morimoto, Hiroshi; and Araki, Satoshi, 4,844,863, Cl. 419-8.000.
- Homma, Kazumoto: *See—*
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,847,052, Cl. 422-249.000.
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,849,188, Cl. 422-249.000.
- Homma, Kazuya; Nogi, Hiroshi; Yamada, Koichi; Kitazume, Masahiro; Uzawa, Masamitsu; and Aoki, Makoto, to Tokyo Keiki Co. Ltd. Method of and apparatus for measuring irregularities of road surface. 4,878,754, 11-7-89, Cl. 356-376.000.
- Homma, Koichi: *See—*
  - Kato, Makoto; Homma, Koichi; Komura, Fuminobu; and Furuya, Toshihiro, 4,803,358, Cl. 250-310.000.
- Homma, Michihide: *See—*
  - Kawakubo, Fumio; Yukimoto, Sadao; and Homma, Michihide, 4,837,274, Cl. 525-100.000.
- Homma, Noriyuki; Nakamura, Tohru; Nakazato, Kazuo; Matsumoto, Motoaki; Hayashida, Tetsuya; Kubo, Masaharu; and Sagara, Kazuhiko, to Hitachi, Ltd. Radiation resistant bipolar memory. 4,858,184, 8-15-89, Cl. 365-174.000.
- Homma, Noriyuki: *See—*
  - Higuchi, Hisayuki; Suzuki, Makoto; and Homma, Noriyuki, 4,858,191, Cl. 365-189.050.
  - Higuchi, Hisayuki; Suzuki, Makoto; Homma, Noriyuki; and Itoh, Kiyoo, 4,866,673, Cl. 365-177.000.
  - Nakamura, Tohru; Nakazato, Kazuo; Homma, Noriyuki; Sagara, Kazuhiko; Shiba, Takeo; Kure, Tokuo; and Hayashida, Tetsuya, 4,812,894, Cl. 357-55.000.
  - Sagara, Kazuhiko; Nakamura, Tohru; Nakazato, Kazuo; Kure, Tokuo; Ikeda, Kiyoji; and Homma, Noriyuki, 4,829,361, Cl. 357-50.000.
- Homma, Satoshi; and Watanabe, Tohru, to Casio Computer Co., Ltd. IC card identification system including pin-check time means. 4,839,506, 6-13-89, Cl. 235-379.000.
- Homma, Shinobu, to Kabushiki Kaisha Honma Rokku. Vegetable cutting device. 4,817,481, 4-4-89, Cl. 83-355.000.
- Homma, Shiro; Kashiwagi, Masatoshi; and Arita, Hiroyuki, to Mitsui Petrochemical Industries, Ltd. Process for preparation of a synthetic fiber bundle. 4,808,367, 2-28-89, Cl. 264-555.000.
- Homma, Toru, to Kabushiki Kaisha Toshiba. Developing apparatus. 4,872,036, 10-3-89, Cl. 355-253.000.
- Homma, Yoshifumi, to Hitachi, Ltd. Light beam scanning device and electronic photographic recording device using the same. 4,809,042, 2-28-89, Cl. 355-8.000.
- Homma, Yoshihiro; Nakata, Akira; Matsumoto, Shiroh; Yoshimura, Kunitoshi; and Minato, Masahiko, to Hokkai Can Co., Ltd. Sealed container and process of manufacture thereof. 4,852,793, 8-1-89, Cl. 229-5.500.
- Homma, Yoshio: *See—*
  - Miyazaki, Hiroshi; Homma, Yoshio; and Mukai, Kiichiro, 4,842,891, Cl. 427-35.000.
- Homma, Yuji: *See—*
  - Uchiyama, Takashi; Homma, Yuji; Sakamoto, Tetsuya; Horiguchi, Satoru; Mizuno, Mikizo; and Obata, Hiroyuki, 4,814,891, Cl. 358-296.000.
- Hommani, Noureddine; and Kadjar, Daniel, to Total Compagnie Francaise des Petroles. Stabilizer sleeve for drill string. 4,823,891, 4-25-89, Cl. 175-323.000.
- Hommelwerke GmbH: *See—*
  - Ulbers, Gerd; and Hutter, Karl, 4,806,777, Cl. 250-560.000.
  - Ulbers, Gerd, 4,886,365, Cl. 356-351.000.
- Hommes, William J.; and Keegan, John J., Jr., to Du Pont de Nemours, E. I., and Company. Linear motor propulsion system. 4,825,111, 4-25-89, Cl. 310-12.000.
- Hommes, William J.; and Keegan, John J., Jr., to Du Pont de Nemours, E. I., and Company. System for using synchronous secondaries of a linear motor to biaxially draw plastic films. 4,853,602, 8-1-89, Cl. 318-38.000.
- Homner, Harald: *See—*
  - Beck, Herbert; Anton, Karl-Heinz; and Homner, Harald, 4,838,714, Cl. 400-124.000.
- Homolko, Johannes; Dader, Pierre T.; and Assier, Bernard, to Becton, Dickinson and Company. Blood sample sedimentation test kit. 4,801,428, 1-31-89, Cl. 422-61.000.
- Homonoff, Edward C.: *See—*
  - Farley, Radcliffe W.; Vaughn, Edward A.; Rodman, Clarke A.; and Homonoff, Edward C., 4,812,283, Cl. 264-518.000.
- Homsy, Charles A. Implantation of articulating joint prosthesis. 4,851,004, 7-25-89, Cl. 623-16.000.
- Homyk, William A. Radiation shielding method and apparatus. 4,851,185, 7-25-89, Cl. 376-287.000.
- Hon, Clarence C., to Mobil Oil Corporation. Assembly for electrically non-conductively interconnecting tube ends. 4,798,405, 1-17-89, Cl. 285-53.000.
- Hon, Clarence C., to Mobil Oil Corporation. Method and apparatus for maintaining a constant active concentration in a cooling tower. 4,813,240, 3-21-89, Cl. 62-171.000.
- Hon, Clarence C., to Mobil Oil Corporation. Method and apparatus for segregated introduction of two liquids into a chemical reactor vessel at a common entry point. 4,848,387, 7-18-89, Cl. 137-1.000.
- Hon, Clarence C., to Mobil Oil Corporation. Monitoring liquid level infed tank and flow rate of liquid therefrom to point of use. 4,856,343, 8-15-89, Cl. 73-861.000.
- Hon, Clarence C., to Mobil Oil Corporation. Method and apparatus for evaporating the volatile components of a polymer. 4,865,689, 9-12-89, Cl. 159-13.200.
- Hon, David C.: *See—*
  - Brush, George W.; Strickland, Lee T.; Hon, David C.; Harding, Ronald E.; and Sallis, Jane, 4,867,685, Cl. 434-234.000.
- Hon, Edward D.: *See—*
  - Hon, Edward H.; Hon, Edward D.; and Hon, Robert W., 4,860,768, Cl. 128-778.000.
- Hon, Edward H.; Hon, Edward D.; and Hon, Robert W., to Hon Group, The. Transducer support base with a depending annular isolation ring. 4,860,768, 8-29-89, Cl. 128-778.000.
- Hon Group, The: *See—*
  - Hon, Edward H.; Hon, Edward D.; and Hon, Robert W., 4,860,768, Cl. 128-778.000.
- Hon Industries, Inc.: *See—*
  - Goedken, James; and Schmidt, Clayton, 4,887,873, Cl. 312-184.000.
  - Schmidt, Clayton C.; and Steinbeck, Linn A., 4,843,978, Cl. 108-138.000.
- Hon, Robert W.: *See—*
  - Hon, Edward H.; Hon, Edward D.; and Hon, Robert W., 4,860,768, Cl. 128-778.000.
- Honablew, Lawrence: *See—*
  - Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; Cooper, LeRoy D.; Wiseman, Jerry W.; and Brotherton, Robert L., 4,813,331, Cl. 86-20.120.
  - Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; and Cooper, LeRoy D., 4,817,685, Cl. 141-11.000.
- Honad Giken Kogyo Kabushiki Kaisha: *See—*
  - Yasunaga, Osamu; Wakusaka, Kazuharu; Inomata, Fumio; and Tsuchiya, Toshio, 4,878,555, Cl. 180-68.300.
- Honaga, Susumu: *See—*
  - Nakamura, Keiichi; Honaga, Susumu; Suzuki, Mikio; and Kawakami, Hiroshi, 4,805,714, Cl. 180-141.000.
- Honaker, Ronald D.: *See—*
  - Fleischhauer, Grier S.; and Honaker, Ronald D., 4,795,411, Cl. 493-43.000.
- Honard, Mark R.: *See—*
  - Frantz, Mark G.; Pavsek, Thomas J.; Honard, Mark R.; Sears, Lawrence M.; and Shen, Ying, 4,845,487, Cl. 340-679.000.
- Honbu, Mitsuyuki: *See—*
  - Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.
- Honda, Atsuhito: *See—*
  - Fukuda, Bunjiro; Sugiyama, Toshitomo; Sato, Keiji; and Honda, Atsuhito, 4,846,448, Cl. 266-103.000.
- Honda, Eiichi: *See—*
  - Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.
- Honda Electric Co., Ltd.: *See—*
  - Kurata, Hisao, 4,805,337, Cl. 43-17.500.
- Honda Electronics Co., Ltd.: *See—*
  - Honda, Keisuke, 4,834,124, Cl. 134-184.000.
- Honda Engineering Co., Ltd.: *See—*
  - Honda, Hideyuki; Kawasaki, Koichi; and Sato, Hiroshi, 4,856,330, Cl. 73-204.250.
- Honda Giken Kogyo K.K.: *See—*
  - Takagi, Yoshiaki; Isobe, Susumu; and Matsunaga, Kenkichi, 4,871,512, Cl. 420-448.000.
- Honda Giken Kogyo Kabushiki Kaisa: *See—*
  - Isoi, Toshihiro; Sato, Masakazu; and Takahashi, Shuji, 4,833,047, Cl. 429-72.000.
- Honda Giken Kogyo Kabushiki Kaisha: *See—*
  - Abe, Masaru; Kohata, Takashi; and Kawamoto, Yoshimichi, 4,836,577, Cl. 280-773.000.
  - Akiyama, Akihiko; Higuchi, Kazuo; Okuhara, Hisakazu; Tabata, Hiroshi; and Kinoshita, Yoshiko, 4,864,086, Cl. 200-61.530.
  - Ando, Yoshio; Ishige, Yoshiki; Kinugasa, Toshiyuki; and Sato, Shoji, 4,882,002, Cl. 156-310.000.
  - Arai, Katsuyoshi; and Sasaki, Toru, 4,834,349, Cl. 267-140.100.
  - Araki, Junichi; Saito, Nobuhiro; Tezuka, Hidenori; and Saito, Masuhiro, 4,840,608, Cl. 474-205.000.
  - Asai, Susumu; Sugimoto, Haruhide; Fujisaki, Masaru; Shigetomi, Tadatoshi; and Kobayashi, Hisatoshi, 4,887,687, Cl. 180-219.000.
  - Asakura, Masahiko; Seki, Yasunari; Shiina, Takanori; and Muroya, Minoru, 4,804,454, Cl. 204-406.000.
  - Asakura, Masahiko; Kawanabe, Tomohiko; Muroya, Minoru; Kubota, Shin'ichi; Kimura, Katsuhiko; Seki, Yasunari; and Matsuura, Kouji, 4,818,362, Cl. 204-406.000.
  - Asakura, Masahiko; Kawanabe, Tomohiko; and Kushida, Noritaka, 4,842,711, Cl. 204-406.000.
  - Asakura, Masahiko; Shiina, Takanori; Ueda, Masahiro; Kubota, Shinichi; Kawanabe, Tomohiko; Kushida, Noritaka; and Muroya, Minoru, 4,870,586, Cl. 364-431.060.
  - Asakura, Toshimitsu, 4,878,558, Cl. 180-219.000.
  - Asanuma, Nobuyoshi, 4,877,098, Cl. 180-79.100.
  - Ave, Yoshiharu; Koseki, Junichi; Iwasaki, Hiroaki; Tomobe, Norio; and Suzuki, Kozo, 4,844,041, Cl. 123-489.000.

Ban, Keisuke; Sato, Masakazu; Fujito, Bakugo; and Kikuchi, Kousuke, 4,884,621, Cl. 164-4.100.

Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, 4,827,880, Cl. 123-65.00E.

Enoki, Shigenaga; Yoshio, Kazuya; and Yamaguchi, Nobuo, 4,809,801, Cl. 180-228.000.

Enokimoto, Akito; Masuda, Tatsuo; Handa, Akio; Hosoya, Eiji; Shibukawa, Takerou; and Watanabe, Seiji, 4,817,985, Cl. 280-690.000.

Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,836,325, Cl. 180-333.000.

Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,887,844, Cl. 280-779.000.

Fujii, Etsuc; Sato, Makoto; and Hirai, Seiichi, 4,832,145, Cl. 180-233.000.

Fujii, Etsuo; Sato, Makoto; and Hirai, Seiichi, 4,871,043, Cl. 180-248.000.

Fujii, Katsuhiko; Sato, Shiro; Miyanaga, Yasuhiro; Asami, Heizo; Takekoshi, Susumu; and Kasai, Yasuo, 4,856,849, Cl. 301-63.00R.

Fujii, Noriaki; Iwata, Takeshi; and Oikawa, Toshihiro, 4,796,574, Cl. 123-90.230.

Fujimoto, Sachito; and Yamashita, Kazunari, 4,796,589, Cl. 123 489.000.

Fujimoto, Sachito; and Hashiguchi, Makoto, 4,848,303, Cl. 123-571.000.

Fujisawa, Yoshikazu; Hayashi, Tadayoshi; Ushio, Hideaki; and Shibata, Kazuo, 4,868,067, Cl. 428-614.000.

Fujita, Haruyasu; Hirosawa, Yoshiaki; Hikichi, Koichi; Sato, Morio; Hirakata, Yoshiaki; and Ito, Toshifumi, 4,869,332. Cl. 180-65.200.

Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,873,949, Cl. 123-90.120.

Fukamachi, Masaaki; Onitsuka, Nobuyuki; Tanaka, Akira; and Nakamura, Kazuo, 4,862,139, Cl. 340-426.000.

Fukizawa, Kazunori; Higuchi, Mitsushi; and Namiki, Kunio, 4,838,961, Cl. 148-12.400.

Fukizawa, Kazunori; Ohshima, Toyoko; and Hata, Toshinobu, 4,889,774, Cl. 428-614.000.

Fukuo, Koichi; Shibata, Mitsuhiro; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,858,574, Cl. 123-90.340.

Furukawa, Takemitsu, 4,796,901, Cl. 280-5.00A.

Furuya, Kunitaka; and Shibahata, Yasuji, 4,889,204, Cl. 180-197.000.

Furuya, Tamio; Tazaki, Yuichi; Kinugasa, Toshiyuki; Ishige, Yoshiki; and Tsuchimoto, Yuichi, 4,841,618, Cl. 29-423.000.

Fuse, Genzo; Miwa, Hiroshi; and Kawasaki, Yoshinobu, 4,875,823, Cl. 414-735.000.

Hamada, Akio; Tsujii, Gen; Fuse, Genzo; and Kondo, Masahide, 4,841,113, Cl. 219-110.000.

Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, 4,878,566, Cl. 192-13.00R.

Hamada, Tetsuro; Shimada, Kazuhiko; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,889,353, Cl. 180-233.000.

Hamane, Masumi; and Ohri, Hiroshi, 4,813,299, Cl. 74-752.00E.

Hamasaki, Yoshito; Iwasaki, Akira; and Sue, Hiroaki, 4,838,576, Cl. 280-777.000.

Handa, Akio; Hosoya, Eiji; Mizumoto, Kousei; Ishiwatari, Makoto; and Okuma, Takanori, 4,799,565, Cl. 180-69.400.

Handa, Akio; Kasa, Keiji; Hosoya, Eiji; and Shibukawa, Takerou, 4,799,708, Cl. 280-796.000.

Hanzawa, Yukihiko; Kawauchi, Haruki; Mikami, Tukasa; Takagi, Akinobu; and Kurotobi, Yohji, 4,800,985, Cl. 181-229.000.

Hara, Naoki; and Yamaguchi, Nobuo, 4,815,554, Cl. 180-219.000.

Hasegawa, Shumpei, 4,864,975, Cl. 123-48.00B.

Hasegawa, Shumpei, 4,864,977, Cl. 123-48.00B.

Hashimoto, Hitoshi; Fujita, Tsutomu; Ryukawa, Eiji; and Kodachi, Hideo, 4,819,311, Cl. 29-40.000.

Hashimoto, Michiyoshi, 4,830,134, Cl. 180-219.000.

Hatanaka, Kaoru; Tabata, Hajime; Hasegawa, Tooru; and Nakazawa, Yoshihiro, 4,870,545, Cl. 362-72.000.

Hatsuyama, Ikuo, 4,828,069, Cl. 180-219.000.

Hattori, Kenji; Tanaka, Hiroshi; and Tanaka, Shinichi, 4,835,505, Cl. 335-302.000.

Hattori, Shigeru; and Asakura, Toshimitsu, 4,799,569, Cl. 180-219.000.

Hattori, Torao; Nishimura, Minoru; and Goto, Masaki, 4,838,845, Cl. 474-242.000.

Hattori, Torao, 4,854,926, Cl. 474-242.000.

Hattori, Torao, 4,871,343, Cl. 474-28.000.

Hattori, Torao, 4,881,925, Cl. 474-18.000.

Hattori, Torao, 4,884,997, Cl. 474-28.000.

Hayama, Masato, 4,867,637, Cl. 415-164.000.

Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, 4,827,721, Cl. 60-489.000.

Hayashi, Tsutomu; Ito, Kazuhito; Yoshida, Yoshihiro; and Saito, Mitsuru, 4,845,951, Cl. 60-488.000.

Hayashi, Tsutomu; and Hashimoto, Eiichi, 4,860,540, Cl. 60-487.000.

Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.

Hibino, Yoshitaka; and Ikura, Hiroshi, 4,795,015, Cl. 192-0.076.

Hibino, Yoshitaka; Fukuzawa, Takeshi; Sato, Hiromitsu; Asakura, Masahiko; and Totsune, Atsushi, 4,803,898, Cl. 74-860.000.

Hibino, Yoshitaka, 4,878,472, Cl. 123-489.000.

Higuchi, Kazuo; Tabata, Hiroshi; Okuhara, Hisakazu; Saruwatari, Hidetoshi; and Akiyama, Akihiko, 4,840,325, Cl. 242-107.200.

Hironaka, Masakazu; Yoshiji, Takeo; Kaneko, Daizo; Shibazaki, Mizuo; and Kurata, Sumio, 4,850,102, Cl. 29-787.000.

Hirosawa, Hiroaki; Ohta, Atsuo; and Sato, Morio, 4,827,148, Cl. 290-38.00R.

Hiruma, Tadao, 4,847,454, Cl. 200-61.850.

Hishida, Hiroaki, 4,810,349, Cl. 204-406.000.

Honda, Kiyoshi, 4,830,401, Cl. 280-736.000.

Honda, Kiyoshi, 4,884,823, Cl. 280-731.000.

Horiike, Satoru; and Hamano, Eiji, 4,887,688, Cl. 180-229.000.

Horiuchi, Makota; Shimizu, Atsushi; Miyakawa, Yoshitaka; and Sakurai, Kazuya, 4,881,449, Cl. 91-372.000.

Hosaka, Takefumi; Arai, Saitama; and Matsui, Hiroki, 4,809,175, Cl. 364-424.000.

Hoshi, Norio; Yamaguchi, Tetsuro; Okada, Yasuhiro; and Matsukawa, Takao, 4,881,614, Cl. 180-225.000.

Hosoi, Shuichi; and Fujimoto, Sachito, 4,858,581, Cl. 123-489.000.

Ichinose, Kiyohiro; Toyama, Niichi; Yamamoto, Tohru; Kikuchi, Eiji; and Fukuda, Masao, 4,830,882, Cl. 427-421.000.

Iihoshi, Akira; Nakamura, Yukinobu; and Yasui, Shinichiro, 4,887,081, Cl. 340-995.000.

Iino, Takashi, 4,887,428, Cl. 60-468.000.

Ikegami, Hiroshi; Muto, Tetsuji; Hamada, Tetsuro; Masuda, Katsuhiko; Shimada, Kazuhiko; and Shibuya, Kazunori, 4,886,141, Cl. 180-233.000.

Ikejiri, Kenichi; Kawahara, Eiichiro; and Furumoto, Mitsumasa, 4,864,823, Cl. 60-488.000.

Imura, Takeshi; Ando, Katsuhiko; Nakabayashi, Shigemitsu; and Hirose, Maki, 4,875,518, Cl. 164-119.000.

Inagaki, Hiromi; Matsuura, Kazuo; Koike, Tetsuya; Suenaga, Toshihiko; Yorita, Masaru; and Izawa, Masaki, 4,811,933, Cl. 267-140.100.

Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, 4,834,219, Cl. 184-6.500.

Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, 4,836,156, Cl. 123-90.310.

Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, 4,848,170, Cl. 74-6.000.

Inamoto, Norio; and Minowa, Takahiro, 4,887,576, Cl. 123-479.000.

Inoue, Kazuo; Kubota, Osamu; Kishi, Noriyuki; and Katoh, Atsushi, 4,848,086, Cl. 60-602.000.

Inoue, Kazuo, 4,854,125, Cl. 60-489.000.

Inoue, Kazuo; Nagahiro, Kenichi; Ajiki, Yoshio; and Katoh, Masaaki, 4,869,214, Cl. 123-90.160.

Inoue, Kazuo; Kubota, Osamu; Yano, Shunji; Tateishi, Fusao; Noda, Etsuo; Yamaguchi, Koji; and Endo, Tsuneo, 4,880,351, Cl. 415-164.000.

Inoue, Takeshi; Funabashi, Hiroshi; and Nakagawa, Yukihiro, 4,880,078, Cl. 181-232.000.

Ishida, Atsushi; and Konno, Tsuneo, 4,887,563, Cl. 123-90.160.

Ishihara, Yasuoki; Obato, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,687, Cl. 420-13.000.

Ishikawa, Yoshikazu; and Yamaguchi, Kouji, 4,799,467, Cl. 123-399.000.

Ishikawa, Yoshikazu; Yamaguchi, Kouji; and asajima, Kouji, 4,881,428, Cl. 74-859.000.

Isoi, Toshihiro; Sato, Masakazu; and Takahashi, Shuji, 4,833,047, Cl. 429-72.000.

Ito, Hiroshi; Nagao, Terumi; Takeda, Toshiki; Maruyama, Yohikuni; and Kanno, Toshitake, 4,809,762, Cl. 164-9.000.

Ito, Kentaro, 4,807,919, Cl. 296-37.100.

Ito, Toshifumi, 4,870,874, Cl. 74-665.00T.

Iwai, Toshiyuki; and Ishikawa, Yoshimi, 4,794,998, Cl. 180-219.000.

Iwata, Takahiro, 4,889,014, Cl. 74-858.000.

Jiro, Morita, 4,844,704, Cl. 417-307.000.

Kadowaki, Satoshi; and Furuya, Hiroyuki, 4,813,587, Cl. 228-4.100.

Kaibuki, Shigeo; Watanabe, Shinpei; Takahashi, Mitsugu; and Moriya, Hiroshi, 4,860,424, Cl. 29-434.000.

Kajiwara, Hajime; Ogura, Masami; and Sano, Shoichi, 4,858,950, Cl. 280-719.000.

Kakuta, Yonehiro; Takigawa, Kouichi; Noji, Akio; Kuwabara, Shigeaki; Shimada, Tadashi; and Iida, Michihiro, 4,811,492, Cl. 33-366.000.

Kashiwai, Mikio; and Kihara, Teruo, 4,869,120, Cl. 74-12.000.

Kato, Yukio; Nishimura, Sadanori; and Kishizawa, Yuji, 4,831,891, Cl. 74-745.000.

Kawahara, Eiichiro; Ikejiri, Kenichi; Iino, Takashi; Iwasawa, Kenjiro; and Yamamoto, Noboru, 4,809,587, Cl. 91-166.000.

Kawahara, Eiichiro; and Ikejiri, Kenichi, 4,856,279, Cl. 60-489.000.

Kawai, Shinichi; Fukazawa, Eiji; Miyashita, Hiroshi; and Shiba, Yoshio, 4,813,529, Cl. 198-468.600.

Kawamoto, Michio; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,862,843, Cl. 123-90.110.

Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Hasebe, Hiroshi; and Yamada, Tessho, 4,808,269, Cl. 204-1.00T.

Kawanaoe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Kubota, Shin'ichi; Matsumoto, Yukihiro; Arai, Yasuhisa; and Hosaka, Takefumi, 4,843,550, Cl. 364-424.100.

Kawanabe, Tomohiko; Asakura, Masahiko; Kimura, Katsuhiko; Seki, Yasunari; Matsuura, Kouji; and Hasebe, Hiroshi, 4,868,756, Cl. 364-442.000.

Kawasaki, Yoshinobu; Niikawa, Ryo; and Ikeda, Yuzi, 4,796,346, Cl. 29-700.000.

Kikuta, Junji; Kudo, Masayuki; Yamagata, Tetsuo; and Nakajima, Yoshiyuki, 4,848,502, Cl. 180-179.000.

Kimura, Naomasa, 4,872,350, Cl. 73-779.000.

Kirigakubo, Minoru; Nakazawa, Hitcshi; and Yamazaki, Kyuya, 4,821,673, Cl. 118-319.000.

Kishi, Noriyuki, 4,887,561, Cl. 123-90.160.

Kishi, Toshiaki; and Tamotsu, Miura, 4,815,555, Cl. 180-227.000.

Kitami, Yasuo; Tezuka, Hidenori; and Watanabe, Syuji, 4,846,768, Cl. 474-86.000.

Kitasei, Yasuji, 4,802,682, Cl. 180-219.000.

Kiuchi, Takeo; and Sakurai, Hidetoshi, 4,875,447, Cl. 123-339.000.

Kohama, Mitsuyoshi; and Ogishima, Tetsuo, 4,818,012, Cl. 296-78.100.

Koike, Yuzuru; and Tsukimura, Kiyoshi, 4,819,604, Cl. 123-492.000.

Konno, Tsuneo, 4,794,892, Cl. 123-90.160.

Konno, Tsuneo, 4,799,463, Cl. 123-90.170.

Konno, Tsuneo, 4,844,022, Cl. 123-90.160.

Konno, Tsuneo; and Sugai, Takashi, 4,844,023, Cl. 123-90.160.

Konnc, Tsuneo, 4,848,284, Cl. 123-90.160.

Konno, Tsuneo, 4,848,285, Cl. 123-90.160.

Konno, Tsuneo, 4,854,272, Cl. 123-90.170.

Kubo, Kanji; and Ohno, Kenichi, 4,796,904, Cl. 280-91.000.

Kubo, Kanji, 4,840,396, Cl. 280-690.000.

Kubo, Kanji, 4,842,296, Cl. 280-663.000.

Kubo, Kanji, 4,878,688, Cl. 280-693.000.

Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, 4,876,529, Cl. 340-450.300.

Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, 4,888,576, Cl. 340-451.000.

Kudo, Satoru; and Nishimura, Sadanori, 4,828,087, Cl. 192-53.00F.

Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,796,208, Cl. 364-559.000.

Kumagai, Chiaki, 4,870,587, Cl. 364-431.070.

Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,887,215, Cl. 364-431.040.

Kurihara, Norimitsu; and Asakura, Masahiko, 4,885,692, Cl. 364-426.040.

Kuwabara, Takasi; Yoshiji, Takeo; and Tegawa, Masao, 4,872,417, Cl. 118-411.000.

Machida, Hisashi; Iri, Tetsuo; and Terakawa, Nobuyuki, 4,862,862, Cl. 123-609.000.

Machida, Isao; Sato, Yasunori; and Yamada, Yoshiji, 4,827,795, Cl. 74-579.00E.

Masuda, Katsuhiko; Hamada, Tetsuro; Shibuya, Kazunori; and Shimada, Kazuhiko, 4,829,849, Cl. 74-650.000.

Masuda, Katsuhiko; Shimada, Kazuhiko; Hamada, Tetsuro; and Shibuya, Kazunori, 4,848,507, Cl. 180-248.000.

Matsubara, Toshihiko; and Fujiwara, Akira, 4,796,575, Cl. 123-90.440.

Matsunaga, Toshihide; and Noseyama, Ryuichi, 4,862,840, Cl. 123-52.00M.

Matsuo, Yoshihiro; and Yamazaki, Yukihiro, 4,822,067, Cl. 280-152.100.

Matsushima, Seiya; Yanagisawa, Takeshi; Miura, Nobuo; and Arakawa, Kuniaki, 4,838,113, Cl. 74-551.800.

Matsushima, Toshiro; and Ueda, Hiroshi, 4,809,939, Cl. 248-430.000.

Matsuura, Masaaki; Ishikawa, Mitsuru; Nakamori, Masaharu; and Kuroki, Masahiro, 4,858,577, Cl. 123-190.00A.

Matsuura, Masaaki; Nakamori, Masaharu; Kuroki, Masahiro; and Ishikawa, Mitsuru, 4,887,567, Cl. 123-190.00D.

Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi, and Oono, Nobuyuki, 4,873,642, Cl. 364-431.060.

Mieno, Toshiyuki; Nakajima, Toyohei; and Nagao, Akira, 4,882,695, Cl. 364-431.080.

Mikami, Tetsuo; Ohmika, Yasushi; and Miyazaki, Hidetoshi, 4,852,423, Cl. 74-551.900.

Minagawa, Takehiro; Stou, Toshio; Miyata, Masao; Nemoto, Kenji; and Uchida, Kuninobu, 4,872,793, Cl. 409-244.000.

Minakawa, Masaaki, 4,798,396, Cl. 280-673.000.

Misono, Yoshimasa; Ito, Takanobu; Muraoka, Yasuo; and Mizuuchi, Atsuyuki, 4,826,238, Cl. 296-209.000.

Mitobe, Keiichi, 4,832,363, Cl. 280-690.000.

Mitsumasa, Furumoto; and Hiroshi, Yoshizawa, 4,850,192, Cl. 60-468.000.

Miura, Nobuo; Nakayama, Hitoshi; Ishii, Nolihisa; and Maeda, Hidenori, 4,827,891, Cl. 123-598.000.

Miura, Tatsuhiko; and Uno, Hiroshi, 4,798,393, Cl. 280-91.000.

Miyamoto, Yasuo; Arai, Katsuyoshi; and Uchiyama, Keiichi, 4,858,879, Cl. 248-562.000.

Miyano, Hideyo; and Kitami, Yasuo, 4,854,271, Cl. 123-52.0MV.

Miyazaki, Kunio; Azuma, Kunihiko; and Noguchi, Satoru, 4,830,163, Cl. 192-105.0CD.

Miyazaki, Kunio, 4,887,488, Cl. 74-689.000.

Mizushima, Sadao, 4,827,147, Cl. 290-1.00A.

Mori, Seiji; Sonoda, Toshinari; and Kinoshita, Yusuke, 4,856,486, Cl. 123-572.000.

Morota, Makie; and Fukuda, Junichi, 4,873,452, Cl. 307-10.100.

Mugikura, Norio, 4,877,105, Cl. 181-141.000.

Mukai, Masato; and Komatsu, Koichi, 4,802,269, Cl. 29-149.50C.

Murao, Eiji, 4,795,971, Cl. 324-102.000.

Musumiya, Raita; and Minakawa, Masaaki, 4,819,500, Cl. 74-513.000.

Muto, Tetsuji; Matsuda, Shohei; Iwagawa, Yoshihiro; and Yahagi, Toshio, 4,802,711, Cl. 303-96.000.

Muto, Tetsuji, 4,836,619, Cl. 303-109.000.

Nagatsuma, Nobuyoshi; and Kamata, Yoshiharu, 4,884,327, Cl. 29-235.000.

Nakajima, Toyohei; and Okada, Yasushi, 4,796,587, Cl. 123-440.000.

Nakajima, Toyohei; Mieno, Toshiyuki; Tanaka, Akira; Nagao, Akira; and Suzaki, Yukihiko, 4,856,480, Cl. 123-425.000.

Nakajima, Toyohei; and Mieno, Toshiyuki, 4,860,712, Cl. 123-489.000.

Nakajima, Toyohei; and Mieno, Toshiyuki, 4,877,511, Cl. 204-406.000.

Nakamura, Katsumi; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,795, Cl. 29-214.000.

Nakamura, Katsumi; Koide, Shigeyuki; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,796, Cl. 29-214.000.

Nakamura, Mitsuo; and Yamashita, Tsuyoshi, 4,823,909, Cl. 181-290.000.

Nakazawa, Yoshihiro; Kudou, Masayuki; Iijima, Satoshi; Sanada, Katsuiki; and Matsuo, Yoshihiro, 4,883,284, Cl. 280-293.000.

Namiki, Ko; and Kikuchi, Tokio, 4,864,858, Cl. 73-457.000.

Namiki, Kou; Mukumoto, Takaji; and Gunji, Keiichiro, 4,841,632, Cl. 29-787.000.

Nasu, Kenichi; Kawai, Kazuo; and Matsuo, Yoshihiro, 4,831,980, Cl. 123-196.00A.

Nebu, Hideaki; Suzuki, Takahisa; and Swano, Yoshiaki, 4,830,423, Cl. 296-78.100.

Nishikawa, Masao; Aoki, Takashi; Sato, Yoichi; and Fukuda, Yukihiro, 4,856,382, Cl. 74-867.000.

Nishimura, Sadanori; Makita, Hiroshige; and Ishikawa, Tomoaki, 4,856,264, Cl. 56-10.900.

Noguchi, Kunio; Koike, Yuzuru; and Toshimits, Kazushige, 4,877,006, Cl. 123-589.000.

Nozaki, Hiroyoshi; Aida, Zenichi; Hara, Hirofumi; Satake, Toshihiko; Mitsuyoshi, Hiroshi; Arakawa, Masayasu; and Hatanaka, Koji, 4,822,647, Cl. 427-421.000.

Nozaki, Hiroyoshi; and Kikuchi, Uhee, 4,849,598, Cl. 219-10.410.

Obata, Keiichi; Yoshida, Suguru; Saitoh, Masahiro; and Ono, Yoshinobu, 4,889,678, Cl. 264-313.000.

Ochiai, Hideo; Ohno, Kiyoshi; Iwao, Eiichi; and Mori, Hideo, 4,800,980, Cl. 180-225.000.

Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,823,898, Cl. 180-140.000.

Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,828,063, Cl. 180-140.000.

Ohba, Naohiko, 4,856,751, Cl. 248-638.000.

Ohno, Kenichi; and Kubo, Kanji, 4,805,940, Cl. 280-91.000.

Ohsono, Kohei; and Iwatsuka, Yoshihisa, 4,795,407, Cl. 474-28.000.

Ohzono, Kouhei; Takeuchi, Kazuhiro; and Iwatsuka, Yoshihisa, 4,842,115, Cl. 192-85.00F.

Oikawa, Toshihiro; Tanai, Tsuneo; Yamada, Noriyuki; Saka, Tsutomu; and Kobayashi, Toshiki, 4,883,027, Cl. 123-90.160.

Okada, Eiichi; Ozawa, Akira; Kousaka, Tomomi; and Ohba, Hirokazu, 4,888,865, Cl. 29-568.000.

Okada, Shin-ichi; and Sasaki, Hiroyuki, 4,833,441, Cl. 340-450.000.

Okuda, Akihito; and Katagiri, Yoshihiro, 4,845,961, Cl. 60-489.000

Okuma, Kuniaki; Maezawa, Ikuo; Koizumi, Hideharu; Tanaka, Masato; and Kida, Hironobu, 4,832,176, Cl. 198-418.100.

Okunishi, Hiromu; and Tsukamoto, Ryuichi, 4,850,760, Cl. 409-37.000.

Ono, Jun; and Tamura, Michio, 4,844,532, Cl. 296-213.000.

Osaki, Shunzaburo; and Akiyama, Eitetsu, 4,844,039, Cl. 123-491.000.

Otobe, Yutaka, 4,829,439, Cl. 364-431.040.

Otobe, Yutaka; and Kishi, Noriyuki, 4,876,995, Cl. 123-90.120.

Otsubo, Kazumi, 4,811,002, Cl. 340-687.000.

Otsubo, Kazumi, 4,885,439, Cl. 200-61.45R.

Ozawa, Akira; Kousaka, Tomomi; Suzuki, Hideo; and Murakami, Masatoshi, 4,884,332, Cl. 29-568.000.

Ryoichi, Kimura; Noriaki, Hattori; and Kazuharu, Watabe, 4,868,862, Cl. 379-58.000.

Saiki, Terunari, 4,804,221, Cl. 297-195.000.

Saito, Hiroshi; and Hikichi, Koichi, 4,871,041, Cl. 180-219.000.

Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, 4,795,609, Cl. 420-109.000.

Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, 4,810,287, Cl. 75-49.000.

Sakata, Masayasu, 4,798,179, Cl. 123-90.520.

Sakata, Masayasu, 4,840,151, Cl. 123-90.430.

Sakurahara, Kazuo; Kinugasa, Junji; and Kawabe, Tsuyoshi, 4,846,116, Cl. 123-41.740.

Sakurai, Hidetoshi; Maruyama, Nobutoshi; and Ogawa, Hiroshi, 4,814,992, Cl. 364-431.070.

Sakurai, Shigeo; and Onimaru, Masayuki, 4,862,777, Cl. 82-122.000.

Sangu, Kazuhito, 4,864,754, Cl. 40-593.000.

Sano, Shoichi; and Furukawa, Yoshimi, 4,835,714, Cl. 364-551.010.

Sano, Shoichi; Furukawa, Yoshimi; Ogura, Masami; Abe, Masaru; and Oyama, Yasuharu, 4,881,748, Cl. 280-91.000.

Sasaki, Kiichi; Honda, Tadanori; Saruwatari, Hidetoshi; and Higuchi, Kazuo, 4,858,952, Cl. 280-802.000.

Sato, Hiromitsu; Kubota, Shinichi; Totsune, Atsushi; and Asakura, Masahiko, 4,882,538, Cl. 324-127.000.

Sato, Makoto, 4,865,396, Cl. 303-110.000.

Sato, Makoto; Shiraishi, Shuji; and Muto, Tetsuji, 4,873,639, Cl. 364-426.020.
Sato, Masakazu; Ban, Keisuke; Fujito, Bakugo; and Konishi, Michio, 4,846,252, Cl. 164-120.000.
Sato, Morio, 4,807,231, Cl. 371-55.000.
Seino, Tatsuji; and Oshikiri, Nobuo, 4,809,802, Cl. 180-231.000.
Sekine, Noboru; Aoki, Takashi; and Terayama, Satoshi, 4,872,540, Cl. 192-0.076.
Sekizaki, Satoshi, 4,879,919, Cl. 74-337.500.
Shibata, Mitsuhiro; Kumagai, Kazuhide; Fukuo, Koichi; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,807,574, Cl. 123-40.160.
Shibuya, Kazunori; Hamada, Tetsuro; Masuda, Katsuhiko; and Shimada, Kazuhiko, 4,825,724, Cl. 74-710.500.
Shiina, Haruo, 4,834,941, Cl. 420-532.000.
Shiina, Haruo, 4,853,179, Cl. 419-28.000.
Shiina, Haruo, 4,867,806, Cl. 148-11.50P.
Shimada, Kazuhiko; Hamada, Tetsurou; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,848,506, Cl. 180-248.000.
Shimizu, Yasuo, 4,799,566, Cl. 180-79.100.
Shimizu, Yasuo, 4,812,723, Cl. 318-488.000.
Shimizu, Yasuo, 4,819,170, Cl. 364-424.050.
Shimizu, Yasuo, 4,825,972, Cl. 180-79.100.
Shimizu, Yasuo, 4,828,062, Cl. 180-140.000.
Shimizu, Yasuo, 4,834,202, Cl. 180-79.100.
Shimizu, Yasuo, 4,837,692, Cl. 364-424.050.
Shimizu, Yasuo, 4,842,090, Cl. 180-140.000.
Shimizu, Yasuo, 4,855,655, Cl. 388-820.000.
Shimizu, Yasuo, 4,878,004, Cl. 318-599.000.
Shiomi, Kazuyuki; and Murata, Takahiko, 4,811,699, Cl. 123-90.230.
Shiraishi, Motoatsu; Nakamura, Mitsuki; and Kageyama, Ryoichi, 4,807,456, Cl. 72-405.000.
Shiraishi, Motoatsu; Tazou, Ken; Sasagawa, Masaru; Nakamura, Mitsuki; and Kageyama, Ryoichi, 4,866,974, Cl. 72-405.000.
Shiraishi, Shuji; Sakaguchi, Masakazu; and Nishihara, Takashi, 4,860,847, Cl. 180-197.000.
Shiraishi, Shuji; and Nishihara, Takashi, 4,873,638, Cl. 364-426.010.
Shiratsuchi, Koji, 4,796,719, Cl. 180-219.000.
Shitanoki, Kazuaki, 4,840,078, Cl. 74-484.00R.
Simizu, Motohiro, 4,797,800, Cl. 363-37.000.
Sonoda, Toshinari; Matsubara, Toshihiko; Otowa, Takashi; and Yoshida, Kazuo, 4,807,576, Cl. 123-90.570.
Suenaga, Makoto; Obata, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,688, Cl. 420-22.000.
Suzuki, Hitoshi; Hirano, Tomohiro; Goto, Kenichi; and Watanabe, Yoshimi, 4,846,124, Cl. 123-195.00P.
Suzuki, Shigeru; and Shimida, Shinichi, 4,875,438, Cl. 123-52.0MB.
Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, 4,831,712, Cl. 29-527.600.
Suzuki, Tsuguya, 4,809,827, Cl. 188-218.0XL.
Suzuki, Yoshio; and Yukihiko, Suzaki, 4,797,828, Cl. 364-431.040.
Tabata, Hiroshi; and Akiyama, Akihiko, 4,889,068, Cl. 116-203.000.
Takada, Minoru, 4,813,697, Cl. 280-284.000.
Takahashi, Hirotake, 4,860,850, Cl. 180-215.000.
Takeda, Akihiko; Kaneda, Hiroyuki; and Suzuki, Shigeru, 4,889,079, Cl. 123-41.82R.
Tanaka, Akira; Nagao, Akira; Suzaki, Yukihiko; Yamada, Hideji; Nakajima, Toyohei; and Mieno, Toshiyuki, 4,796,586, Cl. 123-425.000.
Tanaka, Akira, 4,800,500, Cl. 364-431.080.
Tanaka, Akira, 4,802,454, Cl. 123-425.000.
Tanaka, Akira; and Kurihara, Norimitsu, 4,868,409, Cl. 307-10.500.
Tanaka, Hiromasa, 4,881,752, Cl. 280-690.000.
Tanaka, Koichi, 4,799,568, Cl. 180-219.000.
Tanaka, Yoshiaki; Tanaka, Yashihiro; Kawakami, Toshikazu; and Yamagata, Tetsuo, 4,878,045, Cl. 340-556.000.
Tanaka, Yoshio; Fujii, Shigeru; Nishida, Takao; and Fujita, Yasushi, 4,859,886, Cl. 310-51.000.
Tatsuji, Seino, 4,800,979, Cl. 180-227.000.
Tazaki, Yuichi; Ishigami, Osamu; Ichikawa, Akira; Yoshino, Daijyu; and Soyama, Akira, 4,846,938, Cl. 204-11.000.
Toda, Toshihiro; Mukainakano, Masato; Iwadare, Shigeto; and Ihara, Masatoshi, 4,817,372, Cl. 56-12.800.
Tominaga, Kanji; Hijikata, Toshihiro; Yamaguchi, Katsuhiro; Matsumoto, Yoshimichi; and Watanabe, Yasuo, 4,802,883, Cl. 474-101.000.
Tomobe, Norio; Shimamura, Haruo; Suzuki, Kozo; Taniguchi, Yutaka; and Fujiki, Yuji, 4,886,035, Cl. 123-588.000.
Tonoe, Nobuyuki; and Yoshikawa, Hirokazu, 4,805,522, Cl. 98-2.070.
Toshimitsu, Kazushige; Umeda, Tadashi; and Igarashi, Hisashi, 4,805,579, Cl. 123-492.000.
Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, 4,825,834, Cl. 123-463.000.
Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, 4,883,039, Cl. 123-463.000.
Tozawa, Hideaki; and Kawada, Jitsuji, 4,809,999, Cl. 280-281.100.
Tsuchida, Tetsuo; and Yamanoi, Yoshinori, 4,815,570, Cl. 188-181.00A.
Tsunoda, Kazuhiko; Furuyama, Hiroyuki; Asakura, Toshimitsu; and Tagami, Tomoyuki, 4,805,716, Cl. 180-219.000.
Uchida, Kuninobu; Nemoto, Kenji; Nokajima, Kunio; Murata, Nagatoshi; and Kaneko, Mitsuo, 4,805,286, Cl. 29-407.000.
Uehara, Kenji; Takayanagi, Shinji; and Oike, Ikuo, 4,886,149, Cl. 188-306.000.
Uesugi, Naomoto; Takahashi, Hideo; and Ikeno, Tetsuro, 4,854,417, Cl. 181-272.000.
Ukai, Norio; and Kondou, Yuzuru, 4,813,294, Cl. 74-388.0PS.
Umegai, Shigehiro; Noguchi, Teruhisa; Morita, Hirobumi; Uehara, Takashi; and Hoshino, Takayuki, 4,885,833, Cl. 29-407.000.
Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Fujisawa, Yoshikazu; and Hata, Tsunehisa, 4,817,578, Cl. 123-668.000.
Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Hata, Tsunehisa; and Fujisawa, Yoshikazu, 4,856,462, Cl. 123-41.840.
Wakamori, Takehisa; Ogawa, Takashi; Ito, Ryoji; and Shimanaka, Chikafumi, 4,872,257, Cl. 29-701.000.
Wakatsuki, Goroei, 4,852,701, Cl. 188-181.00A.
Washizawa, Yoshikazu, 4,856,373, Cl. 74-710.500.
Watanabe, Seiji; Handa, Akio; Hosoya, Eiji; Ishiwatari, Makoto; Kimura, Yoshihiro; and Shibukawa, Takerou, 4,828,017, Cl. 165-41.000.
Watanabe, Yoshimi; Kawamura, Hiroshi; and Sohda, Chiharu, 4,802,871, Cl. 440-75.000.
Watanabe, Yoshimi; Miyakoshi, Shinichi; and Goto, Kenichi, 4,840,152, Cl. 123-52.0MV.
Wazaki, Yoshio; and Kudo, Keisuke, 4,877,273, Cl. 290-40.00C.
Yagi, Shizuo; Hirosawa, Yoshiaki; Kawai, Makoto; Yamamoto, Yorihisa; Yoshikawa, Haruhiko; and Nakamura, Kenichi, 4,846,128, Cl. 123-425.000.
Yagi, Toru; Takahashi, Tsuneo; and Nishiguchi, Masayuki, 4,817,444, Cl. 73-862.360.
Yagi, Toru, 4,870,930, Cl. 123-90.110.
Yagi, Toru; and Matsuki, Hideo, 4,885,944, Cl. 73-862.360.
Yagi, Toru; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,889,085, Cl. 123-90.120.
Yakuwa, Masahiko; and Tomozawa, Kikuo, 4,831,536, Cl. 364-431.030.
Yakuwa, Masahiko; and Suzuki, Yoshio, 4,862,369, Cl. 364-431.070.
Yamada, Hideji; Nagao, Akira; Nakajima, Toyohei; Suzuki, Yukihiko; Jogen, Masao; and Tanaka, Akira, 4,841,935, Cl. 123-432.000.
Yamada, Kouzou, 4,826,057, Cl. 224-32.00A.
Yamagata, Testuo; and Yamashita, Shoji, 4,838,780, Cl. 123-352.000.
Yamaguchi, Ken; Kawano, Akio; Honma, Kenji; Sakuma, Tsutomu; and Ono, Keizi, 4,813,511, Cl. 180-219.000.
Yamaguchi, Ken, 4,821,833, Cl. 180-219.000.
Yamaguchi, Ken, 4,852,678, Cl. 180-219.000.
Yamaguchi, Kouji; and Yamamoto, Noboru, 4,815,288, Cl. 60-443.000.
Yamaguchi, Kouji; Ishikawa, Yoshikazu; Kameda, Toshihiro; Hattori, Shogo; and Miyake, Junichi, 4,860,708, Cl. 123-399.000.
Yamaguchi, Yoshinobu; Terasawa, Mutsumi; and Sasagase, Mitsuo, 4,813,385, Cl. 123-2.000.
Yamamoto, Hitoshi; Tottori, Takumi; Ikeda, Tsugio; and Okazaki, Kouji, 4,807,571, Cl. 123-65.0PE.
Yamamoto, Hitoshi; Toriyama, Masayuki; and Shibata, Kazumi, 4,829,945, Cl. 123-65.0PE.
Yamamoto, Noboru; Furumoto, Mitsumasa; Kawahara, Eiichiro; and Ikehjiri, Kenichi, 4,838,024, Cl. 60-488.000.
Yamamoto, Yasuhiro, 4,875,273, Cl. 29-467.000.
Yamamoto, Yasuhiro; Miwa, Teiji; and Ajima, Tadashi, 4,876,796, Cl. 29-429.000.
Yamanaga, Junichi; Gunji, Keiichiro; Narita, Yousuke; Nagasawa, Toshiaki; and Kawabata, Yoshifumi, 4,794,690, Cl. 29-709.000.
Yamanoi, Yoshinori; and Makino, Hiroaki, 4,867,733, Cl. 474-161.000.
Yamaoka, Naoji; Ozawa, Shogo; Fukai, Naoki; Yuzawa, Masayuki; Nakamura, Takeshi; and Asano, Yutaka, 4,811,891, Cl. 228-182.000.
Yamashita, Aiji, 4,830,135, Cl. 180-229.000.
Yamashita, Sachihiro; Enomoto, Masayuki; and Goto, Tadashi, 4,864,095, Cl. 219-86.240.
Yamato, Akihiro; and Hashiguchi, Makoto, 4,840,156, Cl. 123-339.000.
Yamato, Akihiro; and Yakuwa, Masahiko, 4,844,038, Cl. 123-479.000.
Yamatoh, Kouhei; Ogura, Masami; Kanbe, Katunori; and Inoga, Yuji, 4,854,424, Cl. 188-72.100.
Yamatoh, Kouhei; and Ogura, Masami, 4,860,859, Cl. 188-72.100.
Yano, Shunji; and Hayama, Masato, 4,820,118, Cl. 415-161.000.
Yasuda, Toru; Kawamoto, Yoshimichi; Abe, Masaru; and Kohara, Takashi, 4,853,672, Cl. 340-465.000.
Yasuoka, Akimasa; Kiuchi, Takeo; and Iwata, Takahiro, 4,819,596, Cl. 123-339.000.
Yasutake, Kousuke, 4,881,427, Cl. 74-603.000.
Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,796,354, Cl. 29-608.000.
Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,808,934, Cl. 324-208.000.
Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,810,967, Cl. 324-208.000.
Yoshida, Kazuo; and Fukuo, Koichi, 4,800,850, Cl. 123-90.160.
Yoshida, Kazuo; Hirose, Kenji; Komatsu, Toshiyasu; Shimoyama, Kazuaki; and Tsuji, Yoshihito, 4,829,948, Cl. 123-90.160.
Yoshida, Takao, 4,815,758, Cl. 280-840.000.
Yoshida, Takao, 4,818,030, Cl. 301-5.0VH.
Yoshikawa, Haruhiko; and Kawai, Makoto, 4,875,450, Cl. 123-425.000.
Yoshimi, Ishikawa, 4,889,205, Cl. 180-227.000.

Yoshimoto, Tokuji; Inagaki, Takashi; and Ookubo, Michio, 4,831,975, Cl. 123-90.310.
Yoshinori, Yamanoi; and Tetsuo, Tsuchida, 4,834,221, Cl. 188-181.00A.
Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.
Yoshioka, Teruo; Nakano, Shoji; and Sato, Yutaka, 4,879,797, Cl. 29-240.000.
Honda, Hajime. Surface tensiometer and concentration controlling device. 4,874,426, 10-17-89, Cl. 73-64.400.
Honda, Haruhisa, to Canon Kabushiki Kaisha. Process kit and image forming apparatus using the same. 4,803,521, 2-7-89, Cl. 355-14.00R.
Honda, Haruyoshi: *See—*
  Sato, Susumu; Honda, Haruyoshi; Koumoto, Teruo; Isomae, Kuzuo; Kuraishi, Tadayuki; and Katori, Tatsuhiko, 4,866,176, Cl. 544-262.000.
Honda, Hidemasa: *See—*
  Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Tsuchitani, Masatoshi; and Nakajima, Ryoichi, 4,818,449, Cl. 264-29.200.
  Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Fujii, Masaki; and Minohata, Masanori, 4,873,071, Cl. 423-448.000.
Honda, Hideo: *See—*
  Fujitani, Makoto; Hirabayashi, Masashi; Honda, Hideo; Machida, Hiroshi; Kondo, Masami; and Onoda, Sachio, 4,884,956, Cl. 418-15.000.
Honda, Hideyuki; Kawasaki, Koichi; and Sato, Hiroshi, to Honda Engineering Co., Ltd.; and Tokyo Denshi Yakin Co., Ltd. Fluid speed or direction measuring apparatus. 4,856,330, 8-15-89, Cl. 73-204.250.
Honda, Hiroki: *See—*
  Kaneko, Nagao; Wada, Moriyasu; Saitoh, Shiroh; and Honda, Hiroki, 4,886,068, Cl. 128-660.010.
Honda, Hironori: *See—*
  Nakahori, Shinsuke; and Honda, Hironori, 4,844,948, Cl. 497-126.300.
Honda, Hiroshi; and Szyszlican, Eduardo D., to Hughes Aircraft Company. Offset voltage correction circuit for gridded power tubes. 4,797,626, 1-10-89, Cl. 328-225.000.
Honda, Iwakazu, to Sharp Kabushiki Kaisha. Copier with reciprocating document table. 4,857,956, 8-15-89, Cl. 355-234.000.
Honda, Iwakazu, to Sharp Kabushiki Kaisha. Manually operated copier with a damper. 4,876,613, 10-24-89, Cl. 358-471.000.
Honda, Junkou: *See—*
  Nakai, Shigeo; and Honda, Junkou, 4,848,516, Cl. 182-36.000.
Honda, Katsuo; Sawafuji, Susumu; and Tomita, Tomio, to Tokyo Seimitsu Co., Ltd. Internal peripheral edge type blade holding device. 4,838,238, 6-13-89, Cl. 125-15.000.
Honda, Katsuo; and Sawafuji, Susumu, to Tokyo Seimitsu Co., Ltd. Apparatus and method for slicing a wafer. 4,852,304, 8-1-89, Cl. 51-5.00C.
Honda, Kazuo: *See—*
  Hirata, Shoji; and Honda, Kazuo, 4,807,245, Cl. 372-96.000.
  Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; Takenaka, Toichi; and Honda, Kazuo, 4,880,841, Cl. 514-654.000.
  Inakai, Shinji; Honda, Kazuo; and Kamiya, Akihiro, 4,827,176, Cl. 313-54.000.
Honda, Kazuyoshi: *See—*
  Sugita, Ryuji; Tohma, Kiyokazu; Honda, Kazuyoshi; and Nanbu, Taro, 4,859,501, Cl. 427-131.000.
Honda, Kazuyuki: *See—*
  Suzuki, Yasuhito; Akimoto, Koichiro; Ohshima, Hajime; Honda, Kazuyuki; and Isaka, Yukio, 4,876,562, Cl. 346-160.000.
Honda, Keiji: *See—*
  Hirabayashi, Toshihiko; and Honda, Keiji, 4,800,686, Cl. 51-283.00R.
  Saito, Tsunenari; Ota, Kazuyuki; Suzuki, Teruyasu; Honda, Keiji; and Yamakami, Takahiko, 4,825,535, Cl. 29-613.000.
Honda, Keisuke, to Honda Electronics Co., Ltd. Ultrasonic cleaning device. 4,834,124, 5-30-89, Cl. 134-184.000.
Honda, Kiyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Air bag assembly for restraining vehicle occupant. 4,830,401, 5-16-89, Cl. 280-736.000.
Honda, Kiyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Steering wheel assembly with air bag. 4,884,823, 12-5-89, Cl. 280-731.000.
Honda, Koichi: *See—*
  Nagawa, Yoshinobu; Honda, Koichi; and Nakanishi, Hiroshi, 4,889,937, Cl. 548-420.000.
Honda Lock Manufacturing Co., Ltd.: *See—*
  Fukamachi, Masaaki; Onitsuka, Nobuyuki; Yano, Masaru; and Sakata, Kazuhiro, 4,849,749, Cl. 340-825.310.
  Fukamachi, Masaaki; Onitsuka, Nobuyuki; Tanaka, Akira; and Nakamura, Kazuo, 4,862,139, Cl. 340-426.000.
Honda, Masaaki; and Moriya, Takehiro, to Nippon Telegraph and Telephone Public Corporation. Speech signal processing system. 4,850,022, 7-18-89, Cl. 381-36.000.
Honda, Masaaki: *See—*
  Shiraki, Yoshinao; and Honda, Masaaki, 4,802,224, Cl. 381-41.000.
Honda, Masahiro: *See—*
  Mizuro, Tetsushi; Abe, Hiroki; Honda, Masahiro; and Mitsui, Takeshi, 4,884,647, Cl. 180-140.000.
  Yoshida, Yasuhiko; Honda, Masahiro; and Takizawa, Shozo, 4,811,805, Cl. 180-140.000.
Honda, Masamitsu; Morikawa, Kazumi; and Endoh, Kohichi, to Chugai Seiyaku Kabushiki Kaisha. N-heterocyclic platinum complexes. 4,822,892, 4-18-89, Cl. 548-402.000.
Honda, Masanobu: *See—*
  Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.
Honda, Masaru: *See—*
  Weigand, Eckehard; Kihara, Yoshinori; and Honda, Masaru, 4,853,417, Cl. 521-131.000.
Honda, Minoru; Fukuta, Toshiaki; Yamaguchi, Akihide; and Ikuta, Kenzi, to Nippondenso Co., Ltd. Supporting structure for air-cleaned assembly. 4,799,470, 1-24-89, Cl. 123-470.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, to Canon Kabushiki Kaisha. Light receiving member having a-Si (Ge,Sn) photosensitive layer and a-Si (O,C,N) surface layer on a support having spherical dimples with inside faces having minute irregularities. 4,797,299, 1-10-89, Cl. 430-65.000.
Honda, Mitsuru; Sueda, Tetsuo; Murai, Keiichi; and Ogawa, Kyosuke, to Canon Kabushiki Kaisha. Surface treated metal member, preparation method thereof and photoconductive member by use thereof. 4,797,327, 1-10-89, Cl. 428-600.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, to Canon Kabushiki Kaisha. Light receiving members having a-Si(-GE,SN) photosensitive layer and multi-layered surface layer containing reflection preventive layer and abrasion resistant layer on a support having spherical dimples with inside faces having minute irregularities. 4,797,336, 1-10-89, Cl. 430-57.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, to Canon Kabushiki Kaisha. Light receiving members with spherically dimpled support. 4,798,776, 1-17-89, Cl. 430-39.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, to Canon Kabushiki Kaisha. Light receiving members with spherically dimpled support. 4,808,504, 2-28-89, Cl. 430-31.000.
Honda, Mitsuru; Murai, Keiichi; Ogawa, Kyosuke; and Koike, Atsushi, to Canon Kabushiki Kaisha. Light receiving member having a light receiving layer of a-Si(Ge,Sn)(H,X) and a-Si(H,X) layers on a support having spherical dimples with inside faces having minute irregularities. 4,834,501, 5-30-89, Cl. 350-321.000.
Honda, Mitsuyasu; Seto, Touru; and Mitsuoka, Shigeaki, to Mitsubishi Jukogyo Kabushiki Kaisha. Method for cleaning waste gas denitrating catalyst. 4,812,429, 3-14-89, Cl. 502-34.000.
Honda Motor Co., Ltd.: *See—*
  Ishima, Tsutomu; and Sasaki, Kinihiko, 4,872,842, Cl. 439-15.000.
  Takahashi, Fumitaka; Okazaki, Kunio; Shiraishi, Masaru; and Takahashi, Masayuki, 4,823,461, Cl. 29-612.000.
  Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Toru; Suto, Seiichi; and Seto, Takao, 4,808,812, Cl. 250-216.000.
Honda, Naoki: *See—*
  Doi, Kazuhiro; Fujii, Bunichiro; Honda, Naoki; Kanesaka, Hiroyuki; and Tsuchida, Hirofumi, 4,833,373, Cl. 318-114.000.
Honda, Norimasa: *See—*
  Yamamoto, Katsutoshi; and Honda, Norimasa, 4,830,062, Cl. 138-177.000.
Honda, Norio: *See—*
  Nakamura, Katsumi; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,795, Cl. 29-214.000.
  Nakamura, Katsumi; Koide, Shigeyuki; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,796, Cl. 29-214.000.
Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, to Meinan Machinery Works, Inc. Method of correcting the track of an intermittently-running endless belt in a veneer dryer. 4,811,496, 3-14-89, Cl. 34-144.000.
Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, to Meinan Machinery Works, Inc. Heating plate in a veneer dryer. 4,827,630, 5-9-89, Cl. 34-146.000.
Honda Research and Development Co., Ltd.: *See—*
  Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, 4,819,590, Cl. 123-65.00P.
Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, to Omron Tateisi Electronics Co. Push-button switch with plunger and switch mechanism. 4,816,630, 3-28-89, Cl. 200-314.000.
Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, to Omron Tateisi Electronics Co. Push-button switch. 4,851,623, 7-25-89, Cl. 200-314.000.
Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, to Omron Tateisi Electronics Co. Push-button switch with plunger and switching mechanism. 4,873,402, 10-10-89, Cl. 200-283.000.
Honda, Sueaki: *See—*
  Sakakino, Takahiro; Yamashita, Masatsugu; and Honda, Sueaki, 4,851,627, Cl. 200-83.00C.
Honda, Sumio; Ogata, Taizo; and Etani, Tadao, to Japan Tobacco Inc.; and Tokyo Automatic Machinery Works Ltd. Apparatus for applying seal-strips to packages travelling on a conveyor. 4,876,839, 10-31-89, Cl. 53-137.000.
Honda, Tadanori: *See—*
  Sasaki, Kiichi; Honda, Tadanori; Saruwatari, Hidetoshi; and Higuchi, Kazuo, 4,858,952, Cl. 280-802.000.
Honda, Tadatoshi: *See—*
  Ueno, Tomoyuki; Honda, Tadatoshi; Jimbo, Takashi; Kotani, Makoto; Terada, Kazuhiro; and Kiyono, Shinji, 4,831,158, Cl. 548-508.000.

Honda, Takao: *See—*
  Watanabe, Tsuyoshi; and Honda, Takao, 4,870,461, Cl. 355-251.000.
Honda, Takashi; Furutani, Yasumasa; Ohashi, Kenya; Kashimura, Eiji; Minato, Akira; Ohsumi, Katsumi; and Itou, Hisao, to Hitachi, Ltd. Inhibition of deposition of radioactive substances on nuclear power plant components. 4,828,790, 5-9-89, Cl. 376-306.000.
Honda, Takashi: *See—*
  Ohashi, Kenya; Honda, Takashi; Furutani, Yasumasa; Kashimura, Eizi; Minato, Akira; and Ohsumi, Katsumi, 4,820,473, Cl. 376-305.000.
Honda, Takeyuki: *See—*
  Fujimori, Toshio; Honda, Takeyuki; Inagaki, Yoji; Yoshida, Fumio; and Akizuki, Seiichi, 4,848,142, Cl. 73-117.000.
Honda, Tetsuya: *See—*
  Kachi, Kenjiro; and Honda, Tetsuya, 4,810,863, Cl. 235-441.000.
Honda, Toru: *See—*
  Tanemura, Fumikazu; Honda, Toru; Kajita, Yoshiharu; Kato, Katsuhiko; and Sakakibara, Keisuke, 4,849,383, Cl. 501-104.000.
Honda, Toshiharu: *See—*
  Watanabe, Toshiki; and Honda, Toshiharu, 4,838,839, Cl. 474-135.000.
Honda, Toshio: *See—*
  Kametani, Tetsuji; and Honda, Toshio, 4,874,551, Cl. 260-397.100.
  Tanuma, Itsuo; Takeichi, Hideo; Segawa, Masashi; and Honda, Toshio, 4,865,918, Cl. 428-409.000.
  Yoshikawa, Masato; Fukuura, Yukio; Akiyama, Setsuo; Nakamura, Makoto; Naito, Kazuo; and Honda, Toshio, 4,872,932, Cl. 156-151.000.
  Yoshikawa, Masato; Kusano, Yukihiro; Naito, Kazuo; Honda, Toshio; and Hata, Tomonobu, 4,880,515, Cl. 204-192.120.
Honda, Toyota; and Hirahata, Shigeru, to Hitachi, Ltd. Computer memory refresh circuit. 4,802,118, 1-31-89, Cl. 364-900.000.
Honda, Tsutomu, to Pioneer Electronic Corporation. Method of subsampling interpolation. 4,879,599, 11-7-89, Cl. 358-138.000.
Honda, Tsutomu: *See—*
  Hayashi, Hideki; and Honda, Tsutomu, 4,819,086, Cl. 358-343.000.
Honda, Yasuo; Ohtsuka, Takenori; Sunada, Tomohiro; and Kawasako, Yasuhiro, to Mazda Motor Corporation. Intake apparatus for internal combustion engine. 4,794,885, 1-3-89, Cl. 123-52.00M.
Honda, Yasuo: *See—*
  Ohtsuka, Takenori; Honda, Yasuo; Sunada, Tomohiro; Kawasako, Yasuhiro; and Yamamoto, Tomoyuki, 4,848,280, Cl. 123-52.0MC.
Honda, Yoshitaka: *See—*
  Katoh, Itsuro; Taniguchi, Akihiko; and Honda, Yoshitaka, 4,821,062, Cl. 355-3.0FU.
  Tohzuka, Takashi; Ishikawa, Sueyoshi; Kubo, Katsuyoshi; Honda, Yoshitaka; Ohmure, Yukio; and Kataoka, Norio, 4,836,944, Cl. 252-54.000.
Honda, Yukio: *See—*
  Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
Honda, Yutaka: *See—*
  Kirihara, Tomoo; Nakagawa, Ippei; Seki, Yoshinobu; and Honda, Yutaka, 4,857,155, Cl. 204-61.000.
Honda, Yuuji: *See—*
  Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, 4,807,445, Cl. 62-212.000.
  Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, 4,829,777, Cl. 62-212.000.
Honda, Zenjiro; Komada, Hajime; and Karakane, Hiroki, to General Director of the Agency of Industrial Science and Technology. Crosslinked composite membrane and process for producing the same. 4,824,573, 4-25-89, Cl. 210-640.000.
Honderich, James P. Apparatus for the treatment of laminitis. 4,794,991, 1-3-89, Cl. 168-26.000.
Hondermarck, Dominique: *See—*
  Deneuville, Claude; and Hondermarck, Dominique, 4,805,524, Cl. 99-339.000.
Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., to Shell Internationale Research Maatschappij B.V. Process for the electrolytic production of metals. 4,851,089, 7-25-89, Cl. 204-60.000.
Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., to Shell Internationale Research Maatschappij B.V. Process for the electrolytic production of metals from a fused salt melt with a liquid cathode. 4,853,094, 8-1-89, Cl. 204-64.00R.
Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., to Shell Internationale Research Maatschappij B.V. Process for the electroytic production of non-metals. 4,874,482, 10-17-89, Cl. 204-60.000.
Honders, Anthonie: *See—*
  Malpas, Richard E.; Jansen, Gerardus J. C. M.; Honders, Anthonie; and Spijkerman, Johannes B. J., 4,824,541, Cl. 204-222.000.
Hondo, Masao: *See—*
  Kubo, Yoshimasa; Hondo, Masao; Tanaka, Masashi; and Asahi, Akihiko, 4,873,195, Cl. 435-254.000.
Hondulas, John. Apparatus and system for treating waste water and sludge. 4,880,533, 11-14-89, Cl. 210-104.000.
Hone, Ronald D., to DNE Corporation. Power takeoff for motor vehicle. 4,813,290, 3-21-89, Cl. 74-15.880.
Hone, Ronald D.: *See—*
  Huber, Thomas V; and Hone, Ronald D., 4,860,615, Cl. 74-785.000.
Honeck, Karl-Heinz; Johnson, David; Neugebauer, Manfred; Teutsch, Walter; Kini, M. Vittal; and Stacey, Steven C., to Siemens Aktiengesellschaft. Circuit arrangement with a processor and at least two read-write memories. 4,800,532, 1-24-89, Cl. 365-226.000.
Honecker, Gunter, to Linde Aktiengesellschaft. Vehicle with a noise-damped drive assembly. 4,854,278, 8-8-89, Cl. 123-198.00E.
Honegger, Werner, to Ferag AG. Method of and apparatus for interim storing of printed products, typically newspapers, periodicals and the like, arriving in an imbricated product formation. 4,832,273, 5-23-89, Cl. 242-59.000.
Honegger, Werner, to Ferag AG. Method of preparing a shipment package of printed products arriving in an imbricated formation and package obtained thereby. 4,844,256, 7-4-89, Cl. 206-390.000.
Honel, Michael; Ziegler, Peter; Walz, Gerd; Lenz, Rudiger; Foedde, Hartmut; and Brindopke, Gerhard, to Hoechst Aktiengesellschaft. Aminourethanes, a process for their preparation and their use. 4,806,611, 2-21-89, Cl. 528-45.000.
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  Gmoser, Johann; Paar, Willibald; and Honel, Michael, 4,845,171, Cl. 525-452.000.
  Lenz, Rudiger; Walz, Gerd; Honel, Michael; and Ziegler, Peter, 4,885,392, Cl. 564-503.000.
  Paar, Willibald; Honel, Michael; and Gmoser, Johann, 4,845,170, Cl. 525-452.000.
  Walz, Gerd; Honel, Michael; Brindopke, Gerhard; Sprenger, Walter; Finke, Manfred; and Lenz, Rudiger, 4,808,658, Cl. 524-591.000.
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  Bettendorf, Richard A.; and Morris, Scott S., 4,852,785, Cl. 226-42.000.
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  Goss, Gary J.; Hirsch, Thomas S.; and Holtey, Thomas O., 4,799,145, Cl. 364-200.000.
  Heslin, Peter M., 4,799,147, Cl. 364-200.000.
  Joyce, Thomas F.; Nusinov, Eugene; and Brown, Richard P., 4,813,002, Cl. 365-49.000.
  Keeley, James W.; and Barlow, George J., 4,802,087, Cl. 364-200.000.
  Klashka, John A.; Kaufman, Sidney L.; Kowal, Krzysztof A.; Lewis, Richard P.; Raisbeck, Susan L.; and McNamara, John L., Jr., 4,803,623, Cl. 364-200.000.
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  Morgan, Thomas A., 4,815,721, Cl. 271-3.100.
  Morris, Scott S.; and Daniels, George R., 4,796,066, Cl. 355-26.000.
  Plesinger, Boris; and Brown, Lynn H., 4,809,663, Cl. 118-715.000.
  Porter, Marion G.; Webster, Marvin K.; and Lange, Ronald E., 4,831,622, Cl. 371-10.000.
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  Tague, Steven A.; and Woods, William E., 4,799,181, Cl. 364-736.000.
  Wilhite, John E.; and Shelly, William A., 4,858,176, Cl. 364-900.000.
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  Adams, Wilmer L.; Kidder, Kenneth B.; and Landis, William R., 4,835,670, Cl. 364-184.000.
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  Andrus, James H., 4,882,512, Cl. 310-90.500.
  Arai, Hiroshi, 4,806,927, Cl. 340-825.050.
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  Beckey, Thomas J., 4,836,442, Cl. 236-46.00R.
  Beckey, Thomas J.; and Nelson, Lorne W., 4,848,099, Cl. 62-212.000.
  Beckey, Thomas J., 4,860,552, Cl. 62-158.000.
  Beckey, Thomas J.; and Nelson, Lorne W., 4,878,355, Cl. 62-115.000.
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  Bernot, Anthony J.; and Johnson, Michael J., 4,840,460, Cl. 350-333.000.
  Bjorke, Merlin D.; and Thue, Baard H., 4,816,834, Cl. 342-120.000.
  Bjorke, Merlin D.; and Thue, Baard H., 4,851,852, Cl. 342-120.000.
  Bohan, John E., Jr., 4,845,435, Cl. 324-537.000.
  Bohrer, Philip J.; and Johnson, Robert G., 4,825,693, Cl. 73-204.250.
  Bohrer, Philip J., 4,829,818, Cl. 73-204.220.
  Bohrer, Philip J.; and Johnson, Robert G., 4,867,842, Cl. 156-647.000.
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  Boler, Clifford H.; Hartranft, Marc D.; and Hendrickson, Thomas E., 4,797,724, Cl. 357-42.000.
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  Candland, Calvin T., 4,870,886, Cl. 89-7.000.
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  Clancy, Kevin F., 4,876,415, Cl. 200-5.00A.
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  Davis, Bruce M., 4,868,467, Cl. 318-254.000.
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  Dawson, John F.; Bednarski, Joseph W.; Stoffer, Marie A.; and Cousens, James A., 4,884,220, Cl. 364-521.000.
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  Deck, Leslie L., 4,870,290, Cl. 250-561.000.
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  Ebner, Walter B., 4,888,259, Cl. 429-217.000.
  Egli, Werner H.; and Weber, Mark W., 4,795,259, Cl. 356-350.000.
  Egli, Werner H., 4,822,181, Cl. 384-12.000.
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  Flyer, Eric G.; Krusing, Richard A.; and Moseley, Elmer L., 4,887,470, Cl. 73-862.680.
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  Gerhart, Paul B.; and Kumeda, Yasuo, 4,872,186, Cl. 375-117.000.
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  Hamp, Charles H., III; and Weindorf, Paul F. L., 4,888,821, Cl. 363-21.000.
  Hanlon, Michael M., 4,831,431, Cl. 357-51.000.
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  Hart, Rebecca A.; and Gawronski, Michael J., 4,795,989, Cl. 333-116.000.
  Hassett, Gerald M.; and Palmaccio, Linda A., 4,826,563, Cl. 156-636.000.
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  Hershey, George E.; Lane, Charles E., III; and Wilda, Douglas W., 4,841,777, Cl. 73-721.000.
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  Higashi, Robert E., 4,885,938, Cl. 73-204.180.
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  Hoffman, Joe T., 4,821,669, Cl. 116-45.000.
  Hudson, Charles L., Jr.; and Kalm, Michael L., 4,847,839, Cl. 371-25.000.
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  Johnson, Stewart D., 4,856,328, Cl. 73-202.000.
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  Kendig, John R.; Hibble, William R.; and Kiedrowski, James A., 4,803,413, Cl. 318-648.000.
  Kidder, Kenneth B.; Landis, William R.; and Patton, Paul B., 4,858,885, Cl. 251-129.010.
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  Kohlbauer, Ronald G., 4,821,560, Cl. 73-117.300.
  Kozlik, Tony J.; and Freimark, Ronald J., 4,855,902, Cl. 364-200.000.
  Kummer, Karl T., 4,841,286, Cl. 340-653.000.
  Lee, Gary M.; and Peczalski, Andrzej, 4,798,979, Cl. 307-450.000.
  Lee, James C., 4,827,870, Cl. 118-665.000.
  Lee, James C., 4,877,504, Cl. 204-192.110.
  Lee, Kang W.; and Rabe, Robert L., 4,884,238, Cl. 365-105.000.
  Lehman, Robert G., 4,856,100, Cl. 342-51.000.
  Lenz, James E.; Bjork, Paul E.; and Fujiwara, Hisatoshi, 4,857,727, Cl. 250-227.000.
  Levine, Matthew; Cairo, Anthony; Russo, James; Rigotti, Victor; and Clark, Roger, 4,837,731, Cl. 364-145.000.
  Levine, Michael R.; Nelson, Lorne; Russo, James; and Beckey, Thomas, 4,817,705, Cl. 165-12.000.
  Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, 4,841,458, Cl. 364-557.000.
  Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, 4,864,513, Cl. 364-482.000.
  Lim, Wah L.; and Zeman, Francis H., 4,824,252, Cl. 356-350.000.

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Lodin, David W., 4,852,925, Cl. 294-2.000.
Loginov, Boris Z., 4,823,365, Cl. 375-118.000.
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Manion, Michael C.; Walensky, Loren J.; and Walker, Francis J., 4,838,168, Cl. 102-522.000.
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McGowan, David L., III; Olsen, Arthur M.; and Oxenberg, Steven M., 4,797,669, Cl. 340-870.400.
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Miller, Harry, 4,848,806, Cl. 285-106.000.
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Olson, Elwyn H., 4,861,951, Cl. 200-11.0DA.
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Russo, James T.; Rigotti, Victor H.; and Levine, Michael R., 4,829,457, Cl. 364-550.000.
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Smith, Dennis W., 4,859,090, Cl. 384-463.000.
Smoot, Bradley J., 4,831,370, Cl. 340-755.000.
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Strobush, Victor H., 4,833,994, Cl. 102-476.000.
Stuhr, Leslie P., 4,885,489, Cl. 310-78.000.
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Van Sloun, Peter H., 4,854,239, Cl. 102-426.000.
Von Sloun, Peter H., 4,803,924, Cl. 102-293.000.
Vu, Tho T., 4,845,674, Cl. 365-154.000.
Vu, Tho T., 4,845,679, Cl. 365-189.020.
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Walker, Charles S., 4,887,021, Cl. 323-279.000.
Walker, Charles S., 4,890,021, Cl. 307-572.000.
Warren, J. Bruce, 4,858,533, Cl. 102-434.000.
Weber, Mark W., 4,807,998, Cl. 356-350.000.
Weber, Mark W.; and Gustafson, Harry, 4,817,112, Cl. 372-94.000.
Wehner, William W., 4,805,227, Cl. 382-41.000.
Westell, William E., 4,841,317, Cl. 354-65.000.
Wilkey, William P., 4,825,713, Cl. 74-5.00F.
Wilwerding, Dennis J., 4,801,795, Cl. 250-201.000.
Wilwerding, Dennis J., 4,812,640, Cl. 250-204.000.
Wilwerding, Dennis J., 4,882,262, Cl. 430-321.000.
Zweifel, Terry L.; and Johnson, David A., 4,797,674, Cl. 340-968.000.
Zweifel, Terry L.; and Barrios, J. Rene, 4,863,120, Cl. 244-175.000.
Honeywell Information Systems Inc.: *See*—
Lemay, Richard A.; Woods, William E.; and Tague, Steven A. 4,837,738, Cl. 364-900.000.
Honeywell Limited: *See*—
Vogelzang, John H., 4,838,482, Cl. 236-11.000.
Honeywell Limited-Honeywell Limitee: *See*—
Bragg, Gordon M.; Carothers, Richard G.; MacLeod, Kenneth A. and Nelson, Marvin D., 4,817,863, Cl. 236-49.400.
Honeywell Regelsysteme GmbH: *See*—
Drefahl, Dieter, 4,809,355, Cl. 455-75.000.
Drefahl, Dieter, 4,860,266, Cl. 367-97.000.
Hong, Andrew M. P. Apparatus for electrically heating soft roller hair curlers. 4,812,616, 3-14-89, Cl. 219-222.000.
Hong, Bahk, to Kia Motors Corporation. Device for moving an automobile seat back and forth. 4,807,932, 2-28-89, Cl. 297-346.000.
Hong, Bahk, to Kia Motors Corporation. Seat for an automobile 4,840,427, 6-20-89, Cl. 297-346.000.
Hong, Chi-Shain: *See*—
Yang, Jane J.; and Hong, Chi-Shain, 4,821,278, Cl. 372-46.000.
Hong, Glenn T.; Killilea, William R.; and Thomason, Terry B., to Modar, Inc. Method for solids separation in a wet oxidation type process. 4,822,497, 4-18-89, Cl. 210-721.000.
Hong, Jauwhei: *See*—
Clark, Clarence O.; and Hong, Jauwhei, 4,840,850, Cl. 428-471.000.
Hong, Kuo-Hui. Universal clock having means for indicating zonal time in other global time zones. 4,847,819, 7-11-89, Cl. 368-21.000.
Hong, Kuochih. Hydrogen storage hydride electrode materials 4,849,205, 7-18-89, Cl. 423-644.000.
Hong, Kuochih C.; and Sapru, Krishna, to Energy Conversion Devices Inc. Hydrogen storage materials useful for heat pump applications 4,832,913, 5-23-89, Cl. 420-581.000.
Hong, Lee P., to Pilecon Engineering Berhad. Piling. 4,797,037, 1-10-89, Cl. 405-255.000.
Hong, Paul O.; and De Wald, Raymond C., to Occidental Chemical Corporation. Phenothiazine derivatives. 4,855,424, 8-8-89, Cl. 544-35.000.
Hong, Paul O.: *See*—
DeWald, Raymond C.; and Hong, Paul O., 4,853,446, Cl. 526-205.000.
Hong, Rong-Fang; and Huang, Huei-Huay, to Industrial Technology Research Institute. Low pressure air assisted fuel injection apparatus for engine. 4,794,901, 1-3-89, Cl. 123-533.000.
Hong, Seungok: *See*—
Marancik, William G.; Hong, Seungok; and Grabinsky, Glenn W., 4,857,675, Cl. 174-15.400.
Marancik, William G.; and Hong, Seungok, 4,860,431, Cl. 29-599.000.
Hong, Soon-Man: *See*—
Kim, Kwang-Ung; Kim, Byoung-Chul; and Hong, Soon-Man 4,886,837, Cl. 521-85.000.
Hong, Suk-Kwon; Bang, Ho-Yol; and Shin, Hyun-Jun, to Samsung Electronics Co., Ltd. Control circuit for liquid crystal rear-vision mirror. 4,820,933, 4-11-89, Cl. 307-10.100.
Hong, Sung C.: *See*—
Chung, Hyun T.; and Hong, Sung C., 4,795,109, Cl. 242-198.000.
Hong, Sung W.; and Page, Gilles J., to Uniroyal Goodrich Tire Company, The. Process for extruding a puncture sealant and forming an elastomeric laminate. 4,816,101, 3-28-89, Cl. 156-244.110.
Hong-Tann, Chou: *See*—
Brundidge, Steven P.; Howell, Henry G.; Sapino, Chester, Jr.; and Hong-Tann, Chou, 4,879,377, Cl. 536-18.200.
Honganen, Ronald E.; Howe, Robert L.; and Miller, Leslie A., to Spectra Physics, Inc. Apparatus for controlling a pump to account for compressibility of liquids in obtaining steady flow. 4,797,207, 1-10-89, Cl. 210-198.200.
Honganen, Ronald E.; Howe, Robert L.; and Miller, Leslie A. Process for controlling a pump to account for compressibility of liquids in obtaining steady flow. 4,797,834, 1-10-89, Cl. 364-510.000.

Hongo, Akihito; Shiota, Tsuneo; Nishida, Shigeo; Miyagi, Mitsunobu; and Wagatsuma, Yoshihiko, to Hitachi Cable Ltd. Thin-film coated waveguide laser. 4,875,218, 10-17-89, Cl. 372-64.000.
Hongo, Katsunobu; Suda, Shinji; Kobayashi, Hiroshi; and Shichinohe, Daisuke, to Mitsubishi Denki Kabushiki Kaisha. Digital remote control device. 4,814,741, 3-21-89, Cl. 340-825.650.
Hongo, Katsunobu: *See*—
Kobayashi, Hiroshi; Suda, Shinji; and Hongo, Katsunobu, 4,833,467, Cl. 340-825.640.
Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, to Mitsubishi Rayon Co., Ltd. Polycarbonate resin composition. 4,877,831, 10-31-89, Cl. 525-63.000.
Hongo, Masafumi; and Noda, Mitsuaki, to Mitsubishi Rayon Company Ltd. Impact resistant flame-retardant resin composition. 4,879,329, 11-7-89, Cl. 524-114.000.
Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, to Mitsubishi Rayon Company Limited. Polycarbonate resin composition. 4,888,388, 12-19-89, Cl. 525-67.000.
Hongo, Mikio: *See*—
Kawanabe, Takao; Inoue, Morio; and Hongo, Mikio, 4,795,720, Cl. 437-52.000.
Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, 4,868,066, Cl. 428-596.000.
Hongo, Nobuhisa: *See*—
Kamiyama, Akira; Hongo, Nobuhisa; Matsuki, Toyomi; and Kanai, Kenji, 4,857,790, Cl. 310-234.000.
Hongo, Takero: *See*—
Ninomiya, Yoshiki; Sugimoto, Gunji; Hongo, Takero; Watanabe, Keiichi; and Arakawa, Hideo, 4,809,178, Cl. 364-443.000.
Sugimoto, Gunji; and Hongo, Takero, 4,860,209, Cl. 364-424.020.
Hongo, Yasuo, to Fuji Electric Co., Ltd. Character reading method. 4,887,303, 12-12-89, Cl. 382-34.000.
Hongoh, Takashi: *See*—
Himuro, Keiji; Hongoh, Takashi, and Koyama, Kenji, 4,866,468, Cl. 354-195.100.
Hongu, Yuji: *See*—
Kennedy, Joseph P.; and Hongu, Yuji, 4,888,389, Cl. 525-131.000.
Honick, Ronald J., to Neptune Information Systems. High impedance signal detection device. 4,852,152, 7-25-89, Cl. 379-97.000.
Honig, Emanuel M., to United States of America, Energy. Overpulse railgun energy recovery circuit. 4,885,974, 12-12-89, Cl. 89-8.000.
Honig, Ernst-August; Kaspar, Lothar; Kalversberg, Manfred; Oberpichler, Gerd; Hagemann, Gottfried; and Schmidt, Dieter, to Volkswagen AG. Shifting method for hydrodynamic-mechanical transmission. 4,811,631, 3-14-89, Cl. 74-762.000.
Honig, Ernst-August, to Volkswagen AG. Hydraulic control means. 4,831,899, 5-23-89, Cl. 74-867.000.
Honig, Michael R. Drapery pole installation system. 4,809,401, 3-7-89, Cl. 16-87.200.
Honigberg, Saul M.: *See*—
Radding, Charles M.; Honigberg, Saul M.; Weissman, Sherman; Rigas, Basil; Welcher, Andrew A.; and Ward, David C., 4,888,274, Cl. 435-6.000.
Honigs, David E.; Perkins, Jonathan H.; and Tenge, Bradley J., to University of Washington, Board of Regents of the. Method of treating a consumable product and packaging for consumable products to indicate the presence of contamination. 4,847,066, 7-11-89, Cl. 424-7.100.
Honigs, David E.: *See*—
Hieftje, Gary M.; Honigs, David E.; and Hirschfeld, Thomas B., 4,800,279, Cl. 250-339.000.
Honigsbaum, Richard F. Charge control apparatus for hovercraft, spacecraft and the like. 4,886,221, 12-12-89, Cl. 244-1.00A.
Honikman, Terence C.: *See*—
Cumes, David M.; and Honikman, Terence C., 4,880,408, Cl. 604-36.000.
Honjo, Kazuhiko, to NEC Corporation. Monolithic microwave integrated circuit device using high temperature superconductive material. 4,837,536, 6-6-89, Cl. 333-247.000.
Honjo, Kazuhiko: *See*—
Kadokura, Sadao; Honjo, Kazuhiko; Tomie, Takashi; and Naoe, Masahiko, 4,842,708, Cl. 204-298.000.
Honjo, Masahiro; Takeuchi, Akihiro; Ochi, Atsuo; Aki, Shinichi; Nakagawa, Yukio; and Kobayashi, Masaaki, to Matsushita Electric Industrial Co., Ltd. Phase locked loop circuit with quickly recoverable stability. 4,812,783, 3-14-89, Cl. 331-20.000.
Honjo, Masahiro, to Matsushita Electric Industrial Co., Ltd. Encoder circuit eliminating carrier leak. 4,821,087, 4-11-89, Cl. 358-34.000.
Honjo, Masaru: *See*—
Furutani, Yoshio; Tomioka, Noboru; Honjo, Masaru; Manabe, Kazuaki; and Shimada, Hiroaki, 4,824,782, Cl. 435-172.300.
Honjo, Takeshi; and Takahata, Naomi, to Canon Kabushiki Kaisha. Original feeding apparatus. 4,811,049, 3-7-89, Cl. 355-14.0SH.
Honjo, Takeshi; and Takahata, Naomi, to Canon Kabushiki Kaisha. Document handling apparatus. 4,817,933, 4-4-89, Cl. 271-3.100.
Honjo, Takeshi; and Takahata, Naomi, to Canon Kabushiki Kaisha. Sheet handling apparatus. 4,825,248, 4-25-89, Cl. 355-14.0SH.
Honjo, Takeshi; and Sato, Shunji, to Canon Kabushiki Kaisha. Original handling apparatus. 4,849,787, 7-18-89, Cl. 355-313.000.
Honjo, Takeshi; Kitahara, Makoto; Suzuki, Yasumichi; and Takahata, Naomi, to Canon Kabushiki Kaisha. Image recording apparatus. 4,866,536, 9-12-89, Cl. 358-494.000.
Honjo, Takeshi; and Yoshida, Akimaro, to Canon Kabushiki Kaisha. Sheet finisher. 4,878,656, 11-7-89, Cl. 270-53.000.
Honjo, Takeshi: *See*—
Takahata, Naomi; and Honjo, Takeshi, 4,870,589, Cl. 364-464.040.
Honjo, Tasuku; and Shimizu, Akira, to Honjo, Tasuku. Interleukin 2 receptor and a method for production thereof. 4,816,565, 3-28-89, Cl. 530-351.000.
Honjo, Toshio: *See*—
Aoki, Takayoshi; Takeda, Masayuki; Nagatsuka, Ikutaroh; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,861,694, Cl. 430-137.000.
Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,871,639, Cl. 430-108.000.
Honjo, Yoshihisa; and Okuda, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Ignition timing control apparatus. 4,844,034, 7-4-89, Cl. 123-424.000.
Honjoh, Akira, to Fuji Photo Film Co., Ltd. Magnetic disk cartridge loading-and-unloading device. 4,839,758, 6-13-89, Cl. 360-99.060.
Honjoo, Koo: *See*—
Shoji, Mitsutoshi; Honjoo, Koo; Honma, Yoshiharu; Nakano, Fumio; and Narahara, Toshikazu, 4,828,924, Cl. 428-422.000.
Honjyo, Kazuhiko: *See*—
Kadokura, Sadao; Kamei, Kazuhiro; and Honjyo, Kazuhiko, 4,858,043, Cl. 360-99.010.
Honjyo, Shigeru; Minato, Osamu; Sakai, Yoshio; Yamanaka, Toshiaki; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, to Hitachi, Ltd. Semiconductor memory device having increased capacitance for the storing nodes of the memory cells. 4,849,801, 7-18-89, Cl. 357-51.000.
Honjyo, Shigeru: *See*—
Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.
Minato, Osamu; Masuhara, Toshiaki; Ishibashi, Koichiro; Hanamura, Shoji; Honjyo, Shigeru; and Moriwaki, Nobuyuki, 4,841,486, Cl. 365-207.000.
Honjyoh, Akira: *See*—
Tsuruta, Masao; Kiuchi, Seiji; Honjyoh, Akira; Oishi, Kengo; and Suzuki, Osamu, 4,841,403, Cl. 360-132.000.
Honkomp, Glenn A.; and Burrows, Larry G., to Emerson Electric Co. Method and apparatus for positioning articles. 4,811,831, 3-14-89, Cl. 198-394.000.
Honkomp, Glenn A.: *See*—
Bowsky, Benjamin; Honkomp, Glenn A.; Burrows, Larry G.; and Wilson, Edward E., 4,803,136, Cl. 429-56.000.
Teaford, Richard L.; Honkomp, Glenn A.; and Hall, Donald H., 4,833,049, Cl. 429-181.000.
Honma, Akira: *See*—
Yoshioka, Shigehiko; Yamada, Hideto; Honma, Akira; and Sato, Hisatake, 4,849,055, Cl. 162-158.000.
Honma, Dai, to Naomitsu Tokieda. Linear motion actuator utilizing extended shape memory alloy member. 4,806,815, 2-21-89, Cl. 310-307.000.
Honma, Hidetoshi; and Morihara, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Train monitoring equipment. 4,825,189, 4-25-89, Cl. 246-166.100.
Honma, Hiroshi: *See*—
Kobayashi, Hideki; Honma, Hiroshi; and Hamada, Mitsuo, 4,842,943, Cl. 428-447.000.
Honma, Kanehito; Yokoi, Tsutomu; and Tani, Hiroji, to Murata Manufacturing Co., Ltd. Resistance paste. 4,877,554, 10-31-89, Cl. 252-511.000.
Honma, Kazuhiko: *See*—
Takeuchi, Masaru; Gotoh, Kazuyuki; Wakiseka, Kenichiro; Honma, Kazuhiko; Fukatsu, Takeo; Nakano, Shoichi; and Kuwano, Yukinori, 4,885,226, Cl. 430-65.000.
Honma, Kazuo: *See*—
Uno, Motoo; Takeuchi, Ikuo; Honma, Kazuo; and Sakai, Akihiko, 4,813,339, Cl. 91-459.000.
Honma, Kenji: *See*—
Yamaguchi, Ken; Kawano, Akio; Honma, Kenji; Sakuma, Tsutomu; and Ono, Keizi, 4,813,511, Cl. 180-219.000.
Honma, Kiyoaki; and Shibata, Sueji, to Yamaichi Electric Mfg. Co., Ltd. Optical fiber cable fixing mechanism in plug. 4,815,808, 3-28-89, Cl. 350-96.200.
Honma, Masaaki, to Nifco, Inc. Plastic inserter. 4,838,880, 6-13-89, Cl. 604-280.000.
Honma, Masahiro; Maruyama Tokuji; Okada, Masashi; and Hida, Yukio, to Kabushiki Kaisha Kobe Seiko Sho. Power supply system for consumable electrode arc welding and method of controlling the same. 4,877,941, 10-31-89, Cl. 219-130.210.
Honma, Masayuki; and Masatate, Akihiko, to Nissan Motor Co., Ltd. Intake system for V-type multi-cylinder internal combustion engine. 4,889,083, 12-26-89, Cl. 123-52.0MV.
Honma, Mikio: *See*—
Hayakawa, Hatsuo; and Honma, Mikio, 4,838,588, Cl. 292-216.000.
Honma, Noriaki: *See*—
Takeda, Kazuo; Ito, Yoshitoshi; Honma, Noriaki; and Munakata, Chusuke, 4,876,458, Cl. 250-574.000.
Honma, Seijiro: *See*—
Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihiro; Ishimori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.
Honma, Shigeo; and Hara, Kazuyoshi, to Minolta Camera Kabushiki Kaisha. Image recording material capable of forming three-dimensional images. 4,871,407, 10-3-89, Cl. 156-83.000.

Honma, Shigeo; Inagaki, Sanji; and Hara, Kazuyoshi, to Minolta Camera Kabushiki Kaisha. Image recording material for recording images in three dimensions and three-dimensional image processing method using same. 4,871,408, 10-3-89, Cl. 156-83.000.
Honma, Takeo: *See—*
Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Kazumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,500, Cl. 400-120.000.
Honma, Toshio; Takeda, Hiroaki; and Suzuki, Tadashi, to Canon Kabushiki Kaisha. Image forming apparatus. 4,821,068, 4-11-89, Cl. 355-14.00E.
Honma, Toshio; Ikeda, Yoshinori; and Suzuki, Yasumichi, to Canon Kabushiki Kaisha. Image forming apparatus for processing different areas on an original in different ways. 4,847,654, 7-11-89, Cl. 358-300.000.
Honma, Toshio; and Watanabe, Nobuyuki, to Canon Kabushiki Kaisha. Image processing apparatus. 4,876,612, 10-24-89, Cl. 358-474.000.
Honma, Toshio: *See—*
Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, Katsushi; Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, Yoshikuni; Kasamura, Toshirou; and Honma, Toshio, 4,845,528, Cl. 355-210.000.
Suzuki, Yasumichi; Ikeda, Yoshinori; Katoh, Koichi; Ohnishi, Tetsuya; Kadowaki, Toshihiro; and Honma, Toshio, 4,873,570, Cl. 358-80.000.
Yamada, Kunio; Miyazaki, Kohzoh; Oowatari, Yoshitaka; Egami, Yoshio; and Honma, Toshio, 4,808,484, Cl. 428-522.000.
Honma, Yoshiharu: *See—*
Shoji, Mitsutoshi; Honjoo, Koo; Honma, Yoshiharu; Nakano, Fumio; and Narahara, Toshikazu, 4,828,924, Cl. 428-422.000.
Honma, Yukihiro, to Kabushiki Kaisha Honma Gorufu Kurabu Seisakusho. Golf club head. 4,801,146, 1-31-89, Cl. 273-173.000.
Honma, Yukihiro, to Kabushiki Kaisha Honma Gorufu Kurabu Seisakusho. Method of manufacturing a golf club head. 4,812,187, 3-14-89, Cl. 156-245.000.
Honoki, Yasuhiro: *See—*
Shimizu, Toshiyuki; Shimizu, Osamu; Tenmoku, Kenji; Mitoh, Kunihiko; and Honoki, Yasuhiro, 4,862,398, Cl. 364-571.050.
Honore, Tage; Drejer, Jorgen; Jacobsen, Poul; and Nielsen, Flemming E., to A/S Ferrosan. 6,7-disubstituted-2,3-dihydroxyquinoxaline compounds, pharmaceutical compositions thereof, and their use as neuroleptics. 4,812,458, 3-14-89, Cl. 514-249.000.
Honore, Tage: *See—*
Jacobsen, Poul; Nielsen Flemming E.; and Honore, Tage, 4,889,855, Cl. 514-250.000.
Honorof, Frank D.; and Odenberg, Richard, to Transtector Systems, Inc. Spatial array filtering system for electrical devices. 4,797,773, 1-10-89, Cl. 361-58.000.
Hons, Douglas A., to Eastman Kodak Company. Mechanism for accurately mounting an electronic light emitting printhead assembly. 4,875,153, 10-17-89, Cl. 346-155.000.
Honsberg, Wolfgang; and Ennis, Royce E., to Du Pont de Nemours, E. I., and Company. Blends of grafted polyethylene with chlorinated polyethylene. 4,824,906, 4-25-89, Cl. 525-74.000.
Honshima, Teruhisa; Watanabe, Yasuaki; Takahachi, Akira; Samata, Tadayochi; Tohkairin, Akira; and Ogasawara, Nobuhiko, to Hitachi, Ltd. Armature for an electric rotary machine and method of manufacturing the same. 4,829,206, 5-9-89, Cl. 310-214.000.
Honshu Seishi Kabushiki Kaisha: *See—*
Ikeda, Etsujiro, 4,801,074, Cl. 229-71.000.
Honsik, Cyril J.; and Reisfeld, Ralph A., to Scripps Clinic and Research Foundation. EX vivo effector cell activation for target cell killing. 4,844,893, 7-4-89, Cl. 424-85.800.
Honzik, Roy F.: *See—*
Seleman, Don J.; and Honzik, Roy F., 4,812,235, Cl. 210-247.000.
Hoo, Kee K., to Tektronix, Inc. Extension handle for a circuit board injector/ejector mechanism. 4,875,867, 10-24-89, Cl. 439-157.000.
Hoo, Stanley S. K.; and Re, Mark E., to Carnegie-Mellon University. Compound read/write element for rigid magnetic disk files. 4,825,318, 4-25-89, Cl. 360-121.000.
Hood, Charles F.: *See—*
Fathauer, George H.; and Hood, Charles F., 4,800,755, Cl. 73-304.00C.
Hood, Charles N., II: *See—*
Stein, Eugene S.; Hood, Charles N., II; and Spencer, Charles P., 4,825,775, Cl. 105-198.500.
Hood, Delos W., to Transpec Inc. Vehicle entrance ramp. 4,827,548, 5-9-89, Cl. 14-71.100.
Hood, Douglas M., to Demaich Industries, Inc. Thermostatic valve. 4,830,277, 5-16-89, Cl. 236-93.00R.
Hood, James D.: *See—*
Light, Fred W., Jr.; Hood, James D.; and Chang, Yeong-Ho. 4,859,760, Cl. 528-45.000.
Hood Laboratories: *See—*
Marten, Lewis H., 4,795,465, Cl. 623-9.000.
Hood, Larry L.; and Imonti, Maurice M., to CooperVision, Inc. Ultrasonic decoupling sleeve. 4,816,017, 3-28-89, Cl. 604-22.000.
Hood, Leroy E.; Weissman, Irving L.; and McGrath, Michael S., to California Institute of Technology. Diagnostic reagents based on unique sequences within the variable region of the T cell receptor and uses thereof. 4,886,743, 12-12-89, Cl. 435-5.000.
Hood, Mark E.: *See—*
Rice, Donald D.; and Hood, Mark E., 4,842,013, Cl. 137-484.400.
Hood, Nicholas S.: *See—*
Pensa, Ildo E.; Hughes, C. Duff; Hood, Nicholas S.; and Saunders, Eugene M., 4,828,571, Cl. 8-492.000.
Hood, Oliver St. Clair: *See—*
Filhol, Stuart J.; and Hood, Oliver St. Clair, 4,815,625, Cl. 220-23.400.
Hood, Richard D., Jr.; Mueller, Dale E.; and Walker, Douglas J., to Whirlpool Corporation. Agitator thrust spacer for automatic washer. 4,856,303, 8-15-89, Cl. 68-133.000.
Hood, Richard D., Jr.; Cleminshaw, John D.; and Blakeman, Jack E., to Whirlpool Corporation. One-piece drain hose OFR an automatic washer. 4,870,988, 10-3-89, Cl. 137-343.000.
Hood, Rush W., Jr., to Critikon, Inc. Pulse oximeter sensor control system. 4,848,901, 7-18-89, Cl. 356-41.000.
Hood, Rush W., Jr.: *See—*
Hersh, Lawrence T.; Medero, Richard; and Hood, Rush W., Jr., 4,807,631, Cl. 128-633.000.
Hood, Stephen K.; Norkoski, Joseph; and Arnold, Halan P., to Enterprises International, Inc. Roll wrapping head transfer and placement apparatus. 4,840,008, 6-20-89, Cl. 53-137.000.
Hood, Thomas G.: *See—*
Meyer, Stephen F.; and Hood, Thomas G., 4,799,745, Cl. 350-1.700.
Vincent, Steve M.; Behling, Gerald R.; Hood, Thomas G.; and Gomm, William E., 4,853,264, Cl. 428-34.000.
Hood, William M.: *See—*
Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.
Hoodlebrink, Merlin P.: *See—*
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Hoog, Josef T.: *See—*
Warenback, Douglas H.; and Hoog, Josef T., 4,867,631, Cl. 414-786.000.
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Behrens, Dietmar; Hoog, Waldemar; and Zimmermann, Rudolf, 4,884,691, Cl. 206-444.000.
Hoogendijk, Christiaan J.: *See—*
Herremans, Pieter; Hoogendijk, Christiaan J.; Boer, Adriaan H.; and Van Bekkum, Aart J., 4,838,127, Cl. 73-861.280.
Hoogendoorn, Hendrik, to Douwe Egberts Koninklijke Tabaksfabriek-Koffiebranderijen-Theehandel N.V. Mouth care products. 4,871,532, 10-3-89, Cl. 424-50.000.
Hoogendoorn, Thomas M.: *See—*
Edelman, Arie B. C.; Kleijn, Jan B.; de Haas, Maarten A.; and Hoogendoorn, Thomas M., 4,838,955, Cl. 148-2.000.
Hoogland, John A. Extension control for a switch. 4,870,232, 9-26-89, Cl. 200-331.000.
Hoogovens Groep B.V.: *See—*
Addink, Jaap H.; Beelen, Christiaan M. J. M.; Steen, Adam; Verhoog, Hendrik M.; and De Boer, Jurrie, 4,795,725, Cl. 501-101.000.
De Mon, Bob; and Van Hoorn, Antonius L., 4,879,049, Cl. 210-777.000.
den Hartog, Huibert W.; and van Perlstein, Erik B., 4,885,041, Cl. 148-2.000.
Edelman, Arie B. C.; Kleijn, Jan B.; de Haas, Maarten A.; and Hoogendoorn, Thomas M., 4,838,955, Cl. 148-2.000.
Felthuis, Jacob; and Stokman, Ronald J. M., 4,863,378, Cl. 432-217.000.
Felthuis, Jacob; and Stokman, Ronald J. M., 4,881,895, Cl. 432-181.000.
Heijwegen, Cornelis P.; and Kat, Willem, 4,854,946, Cl. 55-85.000.
Jansen, Egbert, 4,881,394, Cl. 72-45.000.
Sluyters, Johannes H., 4,808,277, Cl. 204-28.000.
Van Es, Machiel A. H., 4,826,139, Cl. 266-272.000.
van Laar, Jacobus; Niemeijer, Frank T.; and Stokman, Ronald J., 4,852,859, Cl. 266-197.000.
Hooijmans, Pieter W., to U.S. Philips Corporation. FSK frequency discriminator for a coherent optical transmission system. 4,814,71 3-21-89, Cl. 329-103.000.
Hook, Carl R. Low frequency loud speaker. 4,860,367, 8-22-89, Cl. 381-156.000.
Hook, Glen C. Touch control circuit for incandescent lamps and the like. 4,816,698, 3-28-89, Cl. 307-116.000.
Hook, Jan-Erik; and Akerlund, Gorgen, to Eka Nobel AB. Method for controlling peroxide bleaching in a plurality of bleaching stages. 4,878,998, 11-7-89, Cl. 162-49.000.
Hook, Jeffrey S.: *See—*
Dave, Jayant C.; Record, David W.; Nespor, Jill M.; and Hook, Jeffrey S., 4,889,726, Cl. 426-3.000.
Dave, Jayant C.; Record, David W.; Nespor, Jill M.; and Hook, Jeffrey S., 4,889,727, Cl. 426-3.000.
Hoole, Morris L. Microcomputer timer. 4,864,549, 9-5-89, Cl. 368-10.000.
Hoole, Raymond: *See—*
Best, Anthony; Bethell, David M.; and Hoole, Raymond, 4,869,47 Cl. 267-136.000.
Hooley, Robert W.: *See—*
Estrada, Calixto; Hamerslag, James D.; Hooley, Robert W.; Hunt, John W.; Johnson, Melvin H.; McCabe, Duncan D.; and Perrotto, Joseph A., 4,865,410, Cl. 350-96.200.

Hoomsbeen, Gary A., to Image Innovations, Inc. Transparent slide protective container. 4,878,073, 10-31-89, Cl. 353-120.000.
Hoopengardner, Merle R., to JacTac, Inc. System for holding carpet in place without stretching. 4,797,170, 1-10-89, Cl. 156-71.000.
Hooper, Anthony W.; and Martel, Andre, to Uniweld, Inc. Reciprocating discharger. 4,805,762, 2-21-89, Cl. 198-747.000.
Hooper, Gerald H.: *See—*
Balter, Valentin; and Hooper, Gerald H., 4,885,947, Cl. 74-18.100.
Hooper, Manuel B.: *See—*
Hogan, Patrick M.; Parr, Bobby J.; and Hooper, Manuel B., 4,864,704, Cl. 29-119.000.
Hooper, Norman L.: *See—*
Andersen, Scott F.; Hooper, Norman L.; and Werle, Kent C., 4,832,530, Cl. 405-170.000.
Hooper, Raymond C., to British Telecommunications public limited company. Optical inverter and logic devices using same with buffer limited electrical interface. 4,810,050, 3-7-89, Cl. 350-96.140.
Hooper, Raymond C., to British Telecommunications Public Limited Company. Signal generation. 4,829,300, 5-9-89, Cl. 341-102.000.
Hooper, Raymond C.: *See—*
Smith, David R.; and Hooper, Raymond C., 4,809,256, Cl. 370-4.000.
Hooper, Richard G., to NaTec, Ltd. Method for ESP brown plume control. 4,844,915, 7-4-89, Cl. 423-235.000.
Hooper, Robert C.; Roane, Bobby A.; and Verret, Douglas P., to Texas Instruments Incorporated. Metal contacts and interconnections for VLSI devices. 4,843,453, 6-27-89, Cl. 357-71.000.
Hooper, Robert C.; and Brotzen, Franz R. Non-toxic shot pellets for shotguns and method. 4,881,465, 11-21-89, Cl. 102-501.000.
Hooper, William F., to Waste Management Energy Systems, Inc. Process for manufacturing aggregate from ash residue. 4,804,147, 2-14-89, Cl. 241-24.000.
Hoopes, Howard S.: *See—*
Maltby, Frederick L.; Hall, Richard G.; Kramer, Jonathan L.; Hoopes, Howard S.; and Petersen, Steven R., 4,849,754, Cl. 340-870.380.
Hoopman, Timothy L., to Minnesota Mining and Manufacturing Company. Resilient electrically and thermally conductive flexible composite. 4,839,227, 6-13-89, Cl. 428-343.000.
Hoopman, Timothy L.; Johnson, Dee L.; and Krinke, Harlan L., to Minnesota Mining and Manufacturing Company. Sheet-member containing a plurality of elongated enclosed electrodeposited channels and method. 4,871,623, 10-3-89, Cl. 428-586.000.
Hoops, Richard H.: *See—*
Eriksson, Larry J.; Allie, Mark C.; and Hoops, Richard H., 4,811,309, Cl. 367-140.000.
Eriksson, Larry J.; Allie, Mark C.; and Hoops, Richard H., 4,815,139, Cl. 381-71.000.
Hooren, Douglas H.: *See—*
Opdahl, Barry J.; Hooren, Douglas H.; and Calaby, Lauren F., 4,859,022, Cl. 350-96.200.
Hoornaert, Pierre: *See—*
Damin, Bernard; Eber, Daniele; Hoornaert, Pierre; and Rey, Claude, 4,834,892, Cl. 252-32.70E.
Hooser, Delton D. Automobile ventilation device. 4,856,418, 8-15-89, Cl. 98-2.130.
Hooser, Donald L. Cap shape supports. 4,858,247, 8-22-89, Cl. 2-185.00B.
Hoots, John E.; Fivizzani, Kenneth P.; and Kaplan, Roy I., to Nalco Chemical Company. Stabilization of iron in aqueous systems. 4,869,828, 9-26-89, Cl. 210-701.000.
Hoots, John E.: *See—*
Fong, Dodd W.; Hoots, John E.; and Johnson, Donald A., 4,801,388, Cl. 210-701.000.
Hooven, Michael D.: *See—*
Cohen, Donald M.; Barcel, James E.; and Hooven, Michael D., 4,815,469, Cl. 128-634.000.
Hoover, Alan A.; and Osborne, Gary T. Electro-mechanical transducer which couples positive acoustic feedback into an electric amplified guitar body for the purpose of sustaining played notes. 4,852,444, 8-1-89, Cl. 84-1.050.
Hoover Company, The: *See—*
Bosyj, Nick M.; Leonatti, John A.; Weber, Vincent L.; and Wagner, Gregory P., 4,831,685, Cl. 15-344.000.
Crouser, Darwin S.; and Weber, Vincent L., 4,888,851, Cl. 15-371.000.
Houston, William S., 4,859,144, Cl. 415-210.000.
King, Douglass A., 4,845,803, Cl. 15-339.000.
Hoover, Danny E.: *See—*
Utecht, Gary W.; Hoover, Danny E.; and Klopp, Stephen W., 4,800,981, Cl. 181-104.000.
Hoover, Dennis J.; Rosati, Robert L.; and Wester, Ronald T., to Pfizer Inc. Nor-statine and nor-cyclostatine polypeptides. 4,814,342, 3-21-89, Cl. 514-385.000.
Hoover, Dennis J., to Pfizer Inc. Fluorine containing renin inhibitors. 4,855,303, 8-8-89, Cl. 514-18.000.
Hoover, Dennis J.; and Rosati, Robert L., to Pfizer Inc. Homocyclostatine and cyclostatine containing polypeptides as antihypertensive agents. 4,859,654, 8-22-89, Cl. 514-19.000.
Hoover, George H., to Coca-Cola Company, The. System for improving carbonation in post-mix dispenser carbonators. 4,886,525, 12-12-89, Cl. 55-55.000.
Hoover Group, Aluminum Products Division: *See—*
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Hoover Group, Inc.: *See—*
Dabney, Upton R., 4,861,002, Cl. 267-103.000.
Dabney, Upton R., 4,867,424, Cl. 267-103.000.
Hartley, Larry D.; and Greenquist, Duane R., 4,805,652, Cl. 134-159.000.
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Hoover, Herbert C., Jr.: *See—*
Hanna, Michael, Jr.; Haspel, Martin V.; and Hoover, Herbert C., Jr., 4,828,991, Cl. 435-68.000.
Hoover, John C.; and Giese, David E., to Electromagnetic Sciences, Inc. Waveguide circulator with I/O port impedance matching produced by ferrite-port gap dimensioning. 4,801,902, 1-31-89, Cl. 333-1.100.
Hoover, John W.; Rutkowski, Richard G.; and Dulaff, Paul G., to Dictaphone Corporation. Portable dictating machine. 4,870,516, 9-26-89, Cl. 360-96.300.
Hoover, Kenneth C.; Sherk, Fred T.; and Figard, Joseph E., to Phillips Petroleum Company. Solid state curing of poly(arylene sulfide) resins in reduced oxygen atmospheres. 4,839,411, 6-13-89, Cl. 524-424.000.
Hoover, Mat: *See—*
Cameron, Donald C.; and Hoover, Mat, 4,797,003, Cl. 366-101.000.
Hoover, Mervyn C.; and Schmitt, Michael L., to United States of America as represented by the Secretary of the Navy, The. Circuit for determining transmitter modulation characteristics. 4,885,586, 12-5-89, Cl. 342-13.000.
Hoover, Richard. Removable camper shell apparatus for trucks. 4,813,734, 3-21-89, Cl. 296-100.000.
Hoover, Richard L.; and Bush, Mark A., to Nalco Chemical Company. Biocide water treatment having reduced copper corrosion. 4,818,413, 4-4-89, Cl. 210-739.000.
Hoover, Stanley M., to Mine Safety Appliances Company. Foam generator adjustable to produce foam having various expansion ratios. 4,805,700, 2-21-89, Cl. 169-15.000.
Hoover Universal, Inc.: *See—*
Barth, John M., 4,883,188, Cl. 215-12.100.
Behm, Dale H.; and Plummer, George A., 4,865,206, Cl. 215-1.00C.
Howard, Carl R., Jr., 4,850,493, Cl. 215-1.00C.
Howard, Carl R., Jr., 4,850,494, Cl. 215-1.00C.
Meyers, Marvin L., 4,873,043, Cl. 264-237.000.
Poehlsen, Rudolf H., 4,824,359, Cl. 425-534.000.
Powers, Thomas F., 4,867,323, Cl. 215-1.00C.
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Shapler, Thomas A., 4,802,832, Cl. 425-126.100.
Shapler, Thomas A., 4,802,833, Cl. 425-131.100.
Stephenson, Robert L.; and Rumpel, Harvey R., 4,881,778, Cl. 297-417.000.
Tame, Omar D., 4,796,932, Cl. 292-112.000.
Vidwans, Mohan P.; and Ino, Kenji, 4,854,642, Cl. 297-410.000.
Vidwans, Mohan P.; Potes, Duane; and Opalia, John P., 4,861,107, Cl. 297-408.000.
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Zeilinger, Randy A., 4,852,228, Cl. 29-91.100.
Hope, Clinton B.: *See—*
Ferren, Bran; Harrison, Charles F.; Hope, Clinton B.; and Kohut, Robert J., 4,827,387, Cl. 362-284.000.
Hope, Henry F.; and Hope, Stephen F., to MHB Joint Venture. Electrode construction for solid state electrochemical cell. 4,808,496, 2-28-89, Cl. 429-192.000.
Hope, Henry F.; and Hope, Stephen F. Intensification of ion exchange in lithium batteries. 4,816,357, 3-28-89, Cl. 429-192.000.
Hope, Henry F.; and Hope, Stephen F. Method and apparatus for coating a substrate with alkaline or alkaline earth metals. 4,888,206, 12-19-89, Cl. 427-57.000.
Hope, James E.; Leyerle, John C.; Birzer, Richard; and Hohman, Jeffrey L., to ITT Corporation. Mixing apparatus and system. 4,842,005, 6-27-89, Cl. 137-101.190.
Hope, Michael J.: *See—*
Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.
Hope, Peter: *See—*
Battey, Paul K.; Hope, Peter; and Sharma, Ashutosh H., 4,855,346, Cl. 524-217.000.
Cooray, Boyd; Hope, Peter; Vleggaar, Jan; Helle, Kees; and Roos, Arie, 4,795,660, Cl. 427-123.000.
Parr, William J.; and Hope, Peter, 4,797,441, Cl. 524-288.000.
Hope, Stephen A., to British Petroleum Company p.l.c. Leaf spring. 4,802,659, 2-7-89, Cl. 267-149.000.
Hope, Stephen F.: *See—*
Hope, Henry F.; and Hope, Stephen F., 4,808,496, Cl. 429-192.000.
Hope, Henry F.; and Hope, Stephen F., 4,816,357, Cl. 429-192.000.
Hope, Henry F.; and Hope, Stephen F., 4,888,206, Cl. 427-57.000.
Ope, Henry F.; and Hope, Stephen F., 4,861,690, Cl. 429-233.000.
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Hopeman Brothers, Inc.: *See—*
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Hoper, Jens: *See—*
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Hopf, Frederick R.; McFarland, Michael J.; and Osuch, Christopher E., to Hoechst Celanese Corporation. Positive photoresist thermally

stable compositions and elements having deep UV response with maleimide copolymer. 4,857,435, 8-15-89, Cl. 430-192.000.

Hopf, Heinrich: *See—*
Demlehner, Ulrich; Eck, Herbert; Hopf, Heinrich; Pilzweger, Erich; and Zeller, Otto, 4,851,047, Cl. 106-111.000.

Hopf, Reinhard; Scheuble, Bernhard; Wachtler, Andreas; Hittich, Reinhard; Eidenschink, Rudolf; Geelhaar, Thomas; Krause, Joachim; and Reiffenrath, Volker, to Merck Patent Gesellschaft mit beschrankter Haftung. Smectic liquid-crystalline phases. 4,886,620, 12-12-89, Cl. 252-299.610.

Hopf, Werner G., to Eaton Leonard Technologies, Inc. Quick release collet. 4,867,463, 9-19-89, Cl. 279-46.00R.

Hopfen-Extraktion HVG Bart, Raiser & Co.: *See—*
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Lopez-Berestein, Gabriel; Mehta, Reeta; Hopfer, Roy L.; and Juliano, Rudolph L., 4,812,312, Cl. 424-417.000.

Hopkin, David A.: *See—*
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Hopkins, David H.: *See—*
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Hopkins, David L., to Lubrizol Corporation, The. Asphalt additive compositions. 4,836,857, 6-6-89, Cl. 106-284.400.

Hopkins, DeLaney C., to Caterpillar Inc. Single spool selector valve for simultaneous pump displacement and motor direction control in hydrostatic drive. 4,869,065, 9-26-89, Cl. 60-444.000.

Hopkins, H. Kenneth: *See—*
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Luebbe, Richard J.; and Hopkins, H. Kenneth, 4,875,779, Cl. 356-394.000.

Hopkins, Harry C.: *See—*
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Wallace, Terry A.; Wallace, Lyvone; and Hopkins, Harry C., 4,852,290, Cl. 43-17.000.

Hopkins, James O., Jr.: *See—*
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Hopkins, Jeffrey A.: *See—*
DiMartino, Stephen P., Sr.; Hopkins, Jeffrey A.; and Davis, Ruth A., 4,857,082, Cl. 55-16.000.
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Hopkins, Jeffrey G.: *See—*
Kucera, Henry; Carus, Alwin B.; and Hopkins, Jeffrey G., 4,868,750, Cl. 364-419.000.

Hopkins, John: *See—*
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Hopkins, John W.; and Knoell, Peter P., to Textron Inc. Debris collector frame and assembly. 4,852,338, 8-1-89, Cl. 56-202.000.

Hopkins Manufacturing Corporation: *See—*
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Hopkins, Mary E.: *See—*
Kuan, Jeremy T. H.; Hopkins, Mary E.; and Varga, Richard S., 4,833,194, Cl. 524-525.000.

Hopkins, P. Donald, to Amoco Corporation. Process for preparing dehazed white oils. 4,810,355, 3-7-89, Cl. 208-58.000.

Hopkins, Reginald, to Deere & Company. Die positioning mechanism. 4,866,975, 9-19-89, Cl. 72-448.000.

Hopkins, Ross E.; and Tan, P. David, to Hopkins Manufacturing Corporation. Trailer light connection systems. 4,842,524, 6-27-89, Cl. 439-35.000.

Hopkins, Steven M.; and Askey, William G., to United Technologies Corporation. Hollow article forging process. 4,803,880, 2-14-89, Cl. 72-354.000.

Hopkins, Steven M.: *See—*
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Hopkins, Thomas M.: *See—*
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Hopkins, Thomas R., to Phillips Petroleum Company. Solvent-induced autolysis of cells. 4,795,709, 1-3-89, Cl. 435-259.000.

Hopkins, Thomas R., to Phillips Petroleum Company. Fermentation method and apparatus. 4,883,759, 11-28-89, Cl. 435-289.000.

Hopkins, William C., to Bechtel Eastern Power Corporation. Integral reactor cavity seal/shield. 4,842,804, 6-27-89, Cl. 376-203.000.

Hopkins, William M.: *See—*
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Hopkinson, Derek: *See—*
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Horn, Edward R.; and Hopkinson, Derek, 4,838,532, Cl. 269-23.000.

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Hopkinson, James F.; Nambu, Kyojiro; and Sivers, E. Anne, to Kabushiki Kaisha Toshiba. Method for obtaining image data with a tomographic apparatus. 4,809,172, 2-28-89, Cl. 364-413.160.

Hopmann, Mark, to Baker Hughes Incorporated. Downhole locking apparatus. 4,823,872, 4-25-89, Cl. 166-217.000.

Hopmans, Franciscus P. M.: *See—*
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Hopner, Emil: *See—*
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Hopp, Rudolf: *See—*
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Neinhaus, Jurgen; Hopp, Rudolf; Gottsch, Wilhelm; and Oelfan, Egon, 4,853,368, Cl. 512-25.000.

Hopp, Thomas P.; and Prickett, Kathryn S., to Immunex Corporation. Immunoaffinity purification system. 4,851,341, 7-25-89, Cl. 435-68.000.

Hoppe, Bernd, to Sulzer-Escher Wyss Ag. Pusher centrifuge. 4,889,627, 12-26-89, Cl. 210-360.200.

Hoppe, Ernst; and Adrian, Franz-Josef, to Krupp Polysius AG. Method of determining the filling capacity of and calibrating a pneumatic conveying arrangement. 4,838,071, 6-13-89, Cl. 73-3.000.

Hoppe, Gerd, to MAHO Aktiengesellschaft. Tool changing assembly for universal milling and drilling machines. 4,837,919, 6-13-89, Cl. 29-568.000.

Hoppe, Gerd: *See—*
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Hoppe, Hans; Breucker, Theodor; Ernst, Reinhard; and Storf, Robert, to Waeschle Maschinenfabrik GmbH. Bulk material mixer. 4,859,067, 8-22-89, Cl. 366-341.000.

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Hoppe, Hans-Ullrich; Grabley, Susanne; Voelskow, Hartmut; Schlingmann, Merten; Kraemer, Hans P.; Wiesner, Matthias; and Thiem, Joachim, to Hoechst Aktiengesellschaft. Diels-alder adduct from streptazoline and naphthoquinones and its oxidation products which have cytotoxic and antimicrobial activity and which act against protozoa. 4,849,409, 7-18-89, Cl. 514-27.000.

Hoppe, Joachim, to G A O Gesellschaft fur Automation und Organisation mbH. Identification card with an integrated circuit. 4,843,225, 6-27-89, Cl. 235-492.000.

Hoppe, Joachim, to GAO Gesellschaft fur Automation und Organisation mbH. Identification card having a magnetic track covered by color and methods for producing it. 4,852,911, 8-1-89, Cl. 283-82.00

Hoppe, Joachim: *See—*
Haghiri-Tehrani, Yahya; and Hoppe, Joachim, 4,803,542, Cl. 357-72.000.
Haghiri-Tehrani, Yahya; and Hoppe, Joachim, 4,829,666, Cl. 29-841.000.

Hoppe, Klaus-Dieter; Leutner, Bernd; and Schreiner, Siegfried, to BASF Aktiengesellschaft. Regeneration of wash solutions containing Fe(II) and Fe(III) chelate complexes. 4,879,102, 11-7-89, Cl. 423-235.000.

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Hoppe, Kurt: *See—*
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Hoppe, Lutz; Huhn, Helmut; Karstens, Werner; and Reinhardt, Eugen, to Wolff Walsrode Aktiengesellschaft. Process for the preparation of water-soluble copolymers. 4,833,199, 5-23-89, Cl. 524-828.000.

Hoppe, Manfred; and Torre, Hans D., to EMS-Inventa AG. Transparent copolyamide from bis(4-amino-3,5-diethyl cyclohexyl) methane. 4,847,356, 7-11-89, Cl. 528-346.000.

Hoppe, Olaf; Schmid, Helmut; Reinschutz, Peter; and Weggemann, Karl, to Betonwerke Munderkingen GmbH. Stoneworking or cutting device. 4,848,308, 7-18-89, Cl. 125-7.000.

Hoppe, Peter C.: *See—*
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Hoppe, Udo; and Engel, Walter, to Beiersdorf Aktiengesellschaft. Cosmetic agents for hair. 4,839,165, 6-13-89, Cl. 424-70.000.

Hoppe, Udo; Korbacher, Klaus; and Schrader, Karl-Heinz, to Beiersdorf Aktiengesellschaft. Hair colorants and methods of coloring hair. 4,844,711, 7-4-89, Cl. 8-406.000.

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Hoppenstedt, Bruce B.: *See—*
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Hopper, David R.: *See—*
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Hopper, Hans P., to British Petroleum Company p.l.c., The. Underwater electrically conductive coupling. 4,806,114, 2-21-89, Cl. 439-191.000.

Hopper, Hans P., to British Petroleum Co., p.l.c. Insert choke and control module therefor. 4,848,472, 7-18-89, Cl. 166-344.000.

Hopper, Hans P., to British Petroleum Company p.l.c., The. Template levelling device. 4,850,743, 7-25-89, Cl. 405-190.000.

Hopper, Hans P.: *See—*
Dean, Alan J.; and Hopper, Hans P., 4,848,475, Cl. 166-357.000.

Hopper, Robert W.; and Pekala, Richard W., to United States of America, Energy. Low density microcellular carbon or catalytically impregnated carbon forms and process for their preparation. 4,806,290, 2-21-89, Cl. 264-28.000.

Hopper, Roger J., to Goodyear Tire & Rubber Company, The. Modification of rubber with N-chlorothio sulfonamide. 4,820,780, 4-11-89, Cl. 525-351.000.

Hopper, Roger J.; Shah, Niranjan V.; and Ryba, Steven M., to Goodyear Tire & Rubber Company, The. Process for synthesizing N,N'-dithiobis(sulfonamides). 4,877,901, 10-31-89, Cl. 564-82.000.

Hopper, William R. Touch sensitive indicating light. 4,878,107, 10-31-89, Cl. 357-72.000.

Hopperdietzel, Siegfried, to Rehau AG & Co. Heatable plastic hose. 4,798,230, 1-17-89, Cl. 138-103.000.

Hopperdietzel, Siegfried, to Rehau AG & Co. Connector for heatable hoses and heatable hose assembly. 4,815,769, 3-28-89, Cl. 285-41.000.

Hopperdietzel, Siegfried, to Rehau AG & Co. Process of using hard- and elastomer filler for elastomer material. 4,826,638, 5-2-89, Cl. 264-28.000.

Hopperdietzel, Siegfried, to Rehau AG & Co. Use of cellulose fibers for structurally modifying polyvinyl chloride articles. 4,851,458, 7-25-89, Cl. 523-205.000.

Hoppie, Lyle O.: *See—*
Gale, Allan R.; and Hoppie, Lyle O., 4,812,747, Cl. 324-132.000.
Scharnweber, David H.; Hoppie, Lyle O.; and Haefner, Donald R., 4,865,003, Cl. 123-538.000.

Hoppin, Charles R.; and Tovrog, Benjamin S., to Amoco Corporation. Alpha-olefin polymerization catalyst system including an advantageous modifier component. 4,829,038, 5-9-89, Cl. 502-125.000.

Hopping, Andrew D.: *See—*
Aid, James D.; Din, Shahid Q.; and Hopping, Andrew D., 4,821,761, Cl. 137-101.210.

Hoppler, Walter: *See—*
Lang, Manfred; and Hoppler, Walter, 4,799,031, Cl. 333-22.00R.

Hoppman, Kurt H.; Lin, James G.; and Schmitt, Werner H., to Hoppmann Corporation. Method or apparatus for elevating articles in a feeder. 4,848,559, 7-18-89, Cl. 198-392.000.

Hoppmann Corporation: *See—*
Hoppman, Kurt H.; Lin, James G.; and Schmitt, Werner H., 4,848,559, Cl. 198-392.000.
Hoppmann, Kurt H.; Lin, James G.; and Schmitt, Werner H., 4,828,100, Cl. 198-392.000.
Hoppmann, Kurt H.; and Schober, Horst A., 4,848,800, Cl. 283-101.000.
Hoppmann, Peter G.; and Schmitt, Werner, 4,844,699, Cl. 417-134.000.
Lin, James G.; and Schmitt, Werner H., 4,821,920, Cl. 221-167.000.

Hoppmann, Kurt H.; Lin, James G.; and Schmitt, Werner H., to Hoppmann Corporation. Rotating ring orienting feeder. 4,828,100, 5-9-89, Cl. 198-392.000.

Hoppmann, Kurt H.; and Schober, Horst A., to Hoppmann Corporation. Retrieval label. 4,848,800, 7-18-89, Cl. 283-101.000.

Hoppmann, Peter G.; and Schmitt, Werner, to Hoppmann Corporation. Submersible pump. 4,844,699, 7-4-89, Cl. 417-134.000.

Hoppough, John M. Nebulizer device. 4,886,055, 12-12-89, Cl. 128-200.140.

Hoppstadter, Harold F. Remote control system for vending machines. 4,853,684, 8-1-89, Cl. 340-825.350.

Hopach, Gerhard: *See—*
Gutfleisch, Siegfried; Hopach, Gerhard; and Kleinschmit, Einhard, 4,886,481, Cl. 464-162.000.

Hopta, Daniel P., to Digital Equipment Corporation. ECL mux latch. 4,866,306, 9-12-89, Cl. 307-451.000.

Hopmer, Wolfgang; Lotterbach, Gerhard; Perenthaler, Egbert; van Woudenberg, Jan F.; and Zucker, Udo, to Robert Bosch GmbH. Method and apparatus for data exchange between microprocessors. 4,845,667, 7-4-89, Cl. 364-900.000.

Hopwood, Francis W.; Kane, Jerry A.; Ioannidis, George A.; and Decker, Martin J., to Westinghouse Electric Corp. Coordinate system transformation apparatus for a high resolution radar. 4,847,624, 7-11-89, Cl. 342-201.000.

Hopwood, Robert T., to DRG (UK) Limited. Handling apparatus and methods. 4,887,350, 12-19-89, Cl. 29-730.000.

Hor, Ah-Mee: *See—*
Loutfy, Rafik O.; Kazmaier, Peter M.; Hor, Ah-Mee; and Burt, Richard A., 4,808,506, Cl. 430-59.000.
Loutfy, Rafik O.; Hor, Ah-Mee; Liebermann, George; Toth, Alan J.; Hsiao, Cheng-Kuo; Carmichael, Kathleen M.; and Tokoli, Emery G., 4,882,254, Cl. 430-59.000.

Hor, John: *See—*
Magier, Louis H.; Yang, Hei-Pen; and Hor, John, 4,808,803, Cl. 235-382.000.

Hora, Ferdinand: *See—*
Feus, Fritz; and Hora, Ferdinand, 4,794,864, Cl. 104-168.000.

Hora, Peter: *See—*
Woehrl, Alfons; and Hora, Peter, 4,836,024, Cl. 73-514.000.

Hora, Robert E.: *See—*
Makansi, Terek; and Hora, Robert E., 4,822,037, Cl. 272-129.000.

Horacek, Heinrich; and Kugler, Franz, to Danutec Werkstoff Gesellschaft m.b.H. Composite material made of polypropylene which is reinforced by fiber mats. 4,863,790, 9-5-89, Cl. 428-285.000.

Horacek, Stephen M.: *See—*
Long, Eugene C.; Kubitschek, James E.; and Horacek, Stephen M., 4,860,096, Cl. 358-101.000.

Horaguchi, Tatsuo: *See—*
Takahashi, Toshihiro; Nakamaru, Koichi; Suzuki, Yoshikuni; and Horaguchi, Tatsuo, 4,829,069, Cl. 514-259.000.
Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,833,144, Cl. 514-259.000.
Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,861,780, Cl. 514-259.000.

Horaguchi, Yoichi: *See—*
Ueda, Masashi; Horaguchi, Yoichi; and Sakakibara, Kenji, 4,875,073, Cl. 355-27.000.
Yamamoto, Takemi; and Horaguchi, Yoichi, 4,827,356, Cl. 358-302.000.

Horais, Brian J.: *See—*
Kosowsky, Lester H.; Raber, Peter E.; and Horais, Brian J., 4,797,683, Cl. 343-872.000.

Horak, Dieter: *See—*
Halder, Ernst; Dinkelmann, Friedrich; Buder, Robert; Fuchs, Uwe; Horak, Dieter; and Schafer, Hans-Heinz, 4,825,634, Cl. 57-305.000.

Horak, Eugene F.: *See—*
Evangelista, Donato D.; Horak, Eugene F.; and Winship, Bruce A., 4,843,436, Cl. 355-133.000.

Horak, Vaclav; and Mala, Mani, to Georgetown University. Poly(2,6-naphthoquinone) film and the preparation and uses thereof. 4,801,678, 1-31-89, Cl. 528-219.000.

Horak, Vladimir. Increasing the accuracy of liquid volume measurements utilizing liquid level sensing. 4,880,039, 11-14-89, Cl. 141-1.000.

Horaker, Ronald D.: *See—*
Garthaffner, Martin T.; Keen, Billy J., Jr.; Fleischhauer, Grier S.; and Horaker, Ronald D., 4,817,638, Cl. 131-29.000.

Horal, Peter: *See—*
Vahlne, Anders; Svennerholm, Bo; Rymo, Lars; Jeansson, Stig; and Horal, Peter, 4,812,556, Cl. 530-324.000.

Horan, Gary C.: *See—*
LaPrad, Richard F.; and Horan, Gary C., 4,845,943, Cl. 60-39.03?
LaPrad, Richard F.; and Horan, Gary C., 4,884,397, Cl. 60-39.24(

Horan, George A., to Original Expressions, Inc. Integral costume mask and display headgear. 4,864,663, 9-12-89, Cl. 2-206.000.

Horan, Paul K.; Jensen, Bruce D.; and Slezak, Sue E., to SmithKline Beckman Corporation. Cell growth rate determination by measurement of changes in cyanine dye levels in plasma membranes. 4,859,584, 8-22-89, Cl. 435-29.000.

Horan, Robert T.: *See—*
Barron, John M.; Horan, Robert T.; Hoftman, Moshe M.; Noack, William L.; and Sandel, Dan, 4,844,252, Cl. 206-223.000.

Horan, Thomas R.; and Hart, Kyle E., to RAM Dynamics, Inc. Refrigeration sub-cooler. 4,811,568, 3-14-89, Cl. 62-200.000.

Horansky, John; Schult, John H., Jr.; and Kessler, Henry J., to Chrysler Motors Corporation. Headlight door actuating mechanism. 4,823,237, 4-18-89, Cl. 362-64.000.

Horbach, Rainer; and Osthoff, Hermann, to Mannesmann AG. Transporter with wheels. 4,886,285, 12-12-89, Cl. 280-43.140.

Horbach, Rainer: *See—*
Flaig, Heinz; Neumann, Udo; Hasselmann, Heinz; Zacharias, Karl; Horbach, Rainer; and Bitsch, Harald, 4,877,987, Cl. 310-209.000.

Horber, Ralph W., to Pacific Scientific Company. Magnetically assisted stepping motor. 4,827,164, 5-2-89, Cl. 310-49.00R.

Horber, Willi, to Sulzer Brothers Limited. Femur for a knee joint prosthesis. 4,888,020, 12-19-89, Cl. 623-20.000.

Horch, Joseph A.: *See—*
Wechsler, Robert E.; and Horch, Joseph A., 4,845,685, Cl. 367-97.000.

Horch, Kenneth W.: *See—*
Griffiths, Russell H.; Horch, Kenneth W.; and Stensaas, Larry J., 4,863,668, Cl. 264-512.000.

Hord, H. S., to Micott Corp. Combination picture frame and video cassette holder. 4,856,213, 8-15-89, Cl. 40-152.000.

Horder, Rodney; Banks, Michael; and Hoadley, Thomas H., to Abbott Laboratories Ltd. Slow release solid preparation. 4,842,866, 6-27-89, Cl. 424-468.000.

Hordis Brothers Capital Company: *See—*
Freidel, Kenneth L.; and Freund, William G., 4,830,649, Cl. 65-104.000.

Hore, Donald L.: *See—*
Flowerdew, Peter M.; and Hore, Donald L., 4,812,812, Cl. 340-854.000.

Horecky, Carl J.: *See—*
Cartmell, Robert R.; and Horecky, Carl J., 4,808,382, Cl. 422-140.000.
Cartmell, Robert R.; and Horecky, Carl J., 4,824,557, Cl. 208-146.000.

Horel, Timothy A.; Hoyt, Edward S.; and Walls, Lloyd A., to International Business Machines Corporation. Probe card apparatus and method of providing same with reconfigurable probe card circuitry. 4,862,077, 8-29-89, Cl. 324-158.00F.

Horgan, Michael W.: *See—*
Pepi, Jerome S.; and Horgan, Michael W., 4,861,075, Cl. 285-112.000.

Horgan, Thomas B., to Computer Devices, Inc. Digital video storage. 4,857,990, 8-15-89, Cl. 358-13.000.

Hori, Akihiro: *See—*
- Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, 4,818,995, Cl. 341-94.000.
- Yamamoto, Yasuaki; Tsukada, Hiroaki; Sorimachi, Masami; and Hori, Akihiro, 4,871,787, Cl. 523-122.000.

Hori, Akio: *See—*
- Ikegawa, Sumio; Hori, Akio; Komatsu, Shuichi; Arai, Shinji; and Yasuda, Nobuaki, 4,855,992, Cl. 369-275.000.
- Takeoka, Yoshikatsu; Yasuda, Nobuaki; Hori, Akio; and Ozawa, Norio, 4,845,000, Cl. 430-14.000.

Hori, Akira: *See—*
- Ohtsuka, Hiroo; Hara, Osamu; Hori, Akira; and Nodoa, Minoru, 4,854,889, Cl. 439-395.000.

Hori, Chikahiro, to Kabushiki Kaisha Toshiba. Associative memory cells. 4,833,643, 5-23-89, Cl. 365-49.000.

Hori, Chikahiro, to Kabushiki Kaisha Toshiba. Associative memory device including write inhibit circuitry. 4,853,892, 8-1-89, Cl. 365-49.000.

Hori, Eisaku: *See—*
- Suzuki Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,845,622, Cl. 364-426.040.
- Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,835,696, Cl. 364-426.040.

Hori, Fumihisa, to Alps Electric Co., Ltd. Character selecting mechanism. 4,804,282, 2-14-89, Cl. 400-163.100.

Hori, Fumihisa, to Alps Electric Co., Ltd. Character selecting mechanism. 4,810,115, 3-7-89, Cl. 400-163.100.

Hori, Fumihisa, to Alps Electric Co., Ltd. Initializing method for printing type rings in printer. 4,815,873, 3-28-89, Cl. 400-154.400.

Hori, Hisanobu, to Matsushita Electric Industrial Co., Ltd. Margin setting means for a printer. 4,877,345, 10-31-89, Cl. 400-342.000.

Hori, Ichiroh: *See—*
- Hirai, Kazumi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; and Hori, Ichiroh, 4,880,952, Cl. 219-10.55B.

Hori, Katsuya; and Furuya, Tsuneo, to Sony Corporation. Circuit for operating finite fields. 4,800,515, 1-24-89, Cl. 364-746.100.

Hori, Katsuyoshi; Myoga, Toshiharu; Shinomiya, Miharu; Watanabe, Eiji; Kusano, Kazuki; Takuwa, Toshiaki; and Hafuri, Miharu, to Babcock-Hitachi Kabushiki Kaisha. Semi-automatic hot wire tig welding equipment. 4,801,781, 1-31-89, Cl. 219-137.710.

Hori, Kazuto: *See—*
- Tada, Tomio; Hirobe, Junichi; Takamatsu, Junichi; Hori, Kazuto; and Aikawa, Yukihiro, 4,873,549, Cl. 355-206.000.

Hori, Keimitsu: *See—*
- Kagawa, Yoshihiro; and Hori, Keimitsu, 4,855,083, Cl. 252-632.000.

Hori, Kenji: *See—*
- Sugimura, Tuyoshi; Hori, Kenji; and Oha, Kiyoyuki, 4,873,917, Cl. 99-355.000.

Hori, Kenjiro: *See—*
- Kimizuka, Junichi; Ushio, Yukihide; Seto, Kaoru; Hori, Kenjiro; and Inuyama, Toshihiko, 4,882,782, Cl. 361-100.000.
- Ushio, Yukihide; Hashimoto, Hiroshi; Hori, Kenjiro; Seto, Kaoru; and Yoshimoto, Toshio, 4,853,740, Cl. 355-319.000.

Hori, Kimihiko; Nakamura, Koichi; Kawai, Michio; Motegi, Itsuro; Imokawa, Genji; and Takaishi, Naotake, to Kao Corporation. P-hydroxycinnamamide derivatives and melanin inhibitor comprising the same. 4,876,084, 10-24-89, Cl. 424-62.000.

Hori, Kouhei, to Kabushiki Kaisha Toshiba. Planetary gear having its orbital gears out of phase. 4,864,893, 9-12-89, Cl. 74-788.000.

Hori, Makoto; Ogata, Itsuhei; Niwa, Hitoshi; and Miwa, Naoto, to Nippondenso Co., Ltd. Positive ceramic semiconductor device. 4,831,432, 5-16-89, Cl. 357-67.000.

Hori, Makoto; Niwa, Hitoshi; Mukai, Hirokatsu; Nagaya, Toshiatsu; Miwa, Naoto; and Ogata, Itsuhei, to Nippondenso Co., Ltd. Internal combustion engine having air/fuel mixture with anti-reducing semiconducting porcelain having a positive temperature coefficient of resistance and method for using such porcelain for heating air/fuel mixture. 4,834,052, 5-30-89, Cl. 123-549.000.

Hori, Manabu: *See—*
- Iemura, Ryuichi; Hori, Manabu; Ohtaka, Hiroshi; Sukamoto, Takayuki; Hara, Hideaki; and Ito, Keizo, 4,877,790, Cl. 514-260.000.

Hori, Masaaki; and Kamiya, Mitsuharu, to Brother Kogyo Kabushiki Kaisha. Serial printer control system. 4,861,175, 8-29-89, Cl. 400-76.000.

Hori, Masaaki, to Brother Kogyo Kabushiki Kaisha. Serial printer having means for controlling print head in relation to carriage movement. 4,877,343, 10-31-89, Cl. 400-121.000.

Hori, Mitsuhiko: *See—*
- Abe, Yoko; Satoh, Susumu; Hori, Mitsuhiko; and Yamanaka, Naoko, 4,847,260, Cl. 514-279.000.

Hori, Nobuo, to Tokyo Kogaku Kikai Kabushiki Kaisha. Wavelength/output power stabilizing apparatus of semiconductor laser. 4,821,273, 4-11-89, Cl. 372-31.000.

Hori, Roy Y.; Lazzeri, Mark A.; Miller, Clayton R.; DeGroff, Dale A.; and Dock, Ted L., to Zimmer, Inc. Femoral component for a hip prosthesis. 4,813,963, 3-21-89, Cl. 623-23.000.

Hori, Ryoichi; Itoh, Kiyoo; Kitsukawa, Goro; Kawajiri, Yoshiki; Watanabe, Takao; and Kawahara, Takayuki, to Hitachi, Ltd. Driver circuit having a current mirror circuit. 4,873,673, 10-10-89, Cl. 365-230.060.

Hori, Ryoichi: *See—*
- Itoh, Kiyoo; Kawajiri, Yoshiki; Kimura, Katsutaka; Hori, Ryoichi; and Etoh, Jun, 4,796,234, Cl. 365-227.000.
- Itoh, Kiyoo; and Hori, Ryoichi, 4,825,418, Cl. 365-207.000.
- Kitsukawa, Goro; Watanabe, Takao; Hori, Ryoichi; and Itoh, Kiyoo, 4,853,899, Cl. 365-207.000.
- Watanabe, Takao; Kitukawa, Goro; Hori, Ryoichi; Itoh, Kiyoo; Kawajiri, Yoshiki; and Kawahara, Takayuki, 4,837,462, Cl. 307-446.000.

Hori, Setsuo: *See—*
- Kumamoto, Hidechika; Kuroyanagi, Satoshi; and Hori, Setsuo, 4,812,881, Cl. 355-77.000.

Hori, Shinichi: *See—*
- Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio, 4,817,418, Cl. 73-118.100.

Hori, Shinji: *See—*
- Nakai, Kozo; Hori, Shinji; Mori, Kinji; Kawano, Katsumi; Kashima, Hirokazu; and Kawakami, Setsuo, 4,831,512, Cl. 364-200.000.

Hori, Tadashi: *See—*
- Ikari, Yoshiki; Hori, Tadashi; Suzuki, Fujio; Tsunekawa, Shyou; Yamada, Wazoh; and Maeda, Hideo, 4,869,075, Cl. 62-280.000.

Hori, Taizou, to Canon Kabushiki Kaisha. Recording apparatus for rerecording by repositioning recording medium. 4,841,388, 6-20-89, Cl. 360-721.000.

Hori, Taizou: *See—*
- Fukatsu, Tsutomu; Hori, Taizou; Masui, Toshiyuki; Kobayashi, Takashi; Wakui, Tetsuya; and Takahashi, Koji, 4,853,803, Cl. 360-72.200.

Hori, Tatsu: *See—*
- Gardiner, Kenneth W.; Hori, Tatsu; and Mangal, Norman F., 4,890,135, Cl. 355-299.000.

Hori, Teruo: *See—*
- Nakabayashi, Masamitsu; Furukawa, Yuzo; and Hori, Teruo, 4,828,920, Cl. 428-349.000.

Hori, Tetsuhiro: *See—*
- Toda, Kenichi; and Hori, Tetsuhiro, 4,862,729, Cl. 73-19.000.
- Toda, Kenichi; and Hori, Tetsuhiro, 4,876,071, Cl. 422-133.000.

Hori, Tomoshige; and Itoh, Kensuke, to Snow Brand Milk Products Co., Ltd. Sensor for measurement by electrical heating and method for manufacture of the same. 4,804,935, 2-14-89, Cl. 338-25.000.

Hori, Tomoshige; and Itoh, Kensuke, to Snow Brand Milk Products Co., Ltd. Method for measuring surface temperature of sensor. 4,832,504, 5-23-89, Cl. 374-183.000.

Hori, Tomoshige; Shiinoki, Yasuhiko; and Itoh, Kensuke, to Snow Brand Milk Products Co., Ltd. Sensor used for electrical heating measurement. 4,882,571, 11-21-89, Cl. 338-28.000.

Hori, Toshio: *See—*
- Sakamoto, Yukio; Tanabe, Takeshi; Fukutani, Iwao; and Hori, Toshio, 4,875,862, Cl. 439-79.000.
- Tanabe, Takeshi; and Hori, Toshio, 4,883,920, Cl. 174-68.500.

Hori, Toshiyuki: *See—*
- Sogi, Hidehito; and Hori, Toshiyuki, 4,803,118, Cl. 428-246.000.

Hori, Yasuaki; and Kobayashi, Fumio, to Ohi Seisakusho Co., Ltd. Automotive door lock device with anti-theft structure. 4,850,625, 7-25-89, Cl. 292-336.300.

Hori, Yasuaki: *See—*
- Nakamura, Hitoshi; and Hori, Yasuaki, 4,856,829, Cl. 292-216.000.

Hori, Yoshisada: *See—*
- Yamamoto, Tetsuo; Hayashi, Hiroshi; Muto, Tenshiro; Hori, Yoshisada; and Kubo, Katsushi, 4,842,957, Cl. 428-622.000.

Hori, Yoshitsugu: *See—*
- Anao, Kimiharu; Hori, Yoshitsugu; Shimamaki, Keiichi; and Sano, Tadashi, 4,870,225, Cl. 174-68.500.

Hori, Yutaka; Matsumoto, Katsuo; Yamamoto, Katsuhiro; Sasaki, Toshimitsu; and Shida, Masayuki, to Nitto Denko Corporation. Depilation method. 4,830,633, 5-16-89, Cl. 8-160.000.

Horiai, Naoshi; and Tokushima, Tadao, to Yamaha Corporation. Magnetic recording material. 4,803,129, 2-7-89, Cl. 428-694.000.

Horian, Richard. Securement band and connector means therefor. 4,827,796, 5-9-89, Cl. 24-584.000.

Horian, Robert L. Liquid dispenser for a bottle. 4,871,096, 10-3-89, Cl. 222-487.000.

Horiba, Hazuo: *See—*
- Ichikawa, Hachiro; Oguni, Masanori; Murase, Akira; Horiba, Hazuo; Sakamoto, Kenichi; and Kanehara, Mikio, 4,851,207, Cl. 423-412.000.

Horiba Instruments Incorporated: *See—*
- Lewis, Gary W., 4,823,591, Cl. 73-3.000.

Horiba, Isao: *See—*
- Shimizu, Hiromu; and Horiba, Isao, 4,817,121, Cl. 378-57.000.

Horiba, Ltd.: *See—*
- Asano, Ichiro; and Uno, Toshihiko, 4,817,413, Cl. 73-24.000.
- Kojima, Mitoku; Kohsaka, Hiroji; and Matsui, Hisao, 4,814,143, Cl. 422-83.000.
- Kokawa, Masashi, 4,853,939, Cl. 372-81.000.
- Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakamura, Tsuyoshi, 4,816,132, Cl. 204-408.000.
- Kotani, Haruo, 4,857,166, Cl. 204-435.000.
- Kotani, Haruo; and Tomita, Katsuhiko, 4,872,956, Cl. 204-1.00T.
- Kotani Haruo; and Tomita, Katsuhiko, 4,872,966, Cl. 204-414.000.
- Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakamura, Tsuyoshi, 4,883,563, Cl. 156-645.000.
- Matsumoto, Naoyuki, 4,866,297, Cl. 307-236.000.
- Miyatake, Kimio; Imaki, Takao; and Fujiwara, Masahiko, 4,808,825, Cl. 250-343.000.
- Nakajima, Kazuo; and Tomita, Katsuhiko, 4,850,105, Cl. 29-841.000.
- Tomita, Katsuhiko, 4,797,188, Cl. 204-414.000.
- Tsuji, Katsuya; Yamada, Takeshi; and Uchinara, Hiroshi, 4,800,747, Cl. 73-19.000.
- Uematsu, Hiroaki; and Imanishi, Shinji, 4,877,492, Cl. 204-1.00T.
- Wakiyama, Yoshihiro; Aoyama, Takeshi; and Ohnishi, Yoshiro, 4,882,503, Cl. 307-267.000.
- Yamagishi, Yutaka; and Takeda, Kenji, 4,885,469, Cl. 250-345.000.

Horiba, Tatsuo: *See—*
- Kumagai, Teruo; Horiba, Tatsuo; Kamo, Tomoichi; Takeuchi, Seiji; Iwamoto, Kazuo; Kitami, Kunko; and Tamura, Kohki, 4,810,597, Cl. 429-22.000.

Horiba, Yasutaka; Nakaya, Masao; and Ikea, Yuto, to Mitsubishi Denki Kabushiki Kaisha. Ionizing radiation detector for detecting the direction and intensity of the radiation. 4,804,848, 2-14-89, Cl. 250-394.000.

Horibe, Isao: *See—*
- Takeda, Ken'ichi; and Horibe, Isao, 4,874,898, Cl. 568-369.000.

Horibe, Tatutake: *See—*
- Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, 4,799,353, Cl. 57-281.000.
- Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, 4,841,720, Cl. 57-281.000.
- Kawasaki, Yosio; and Horibe, Tatutake, 4,842,206, Cl. 242-18.00R.

Horibe, Yasutaka: *See—*
- Takubo, Yoneharu; Horibe, Yasutaka; Yamanishi, Nobue; Fujii, Eiji; and Okinaka, Hideyuki, 4,801,932, Cl. 340-783.000.

Horie, Fujio; and Kyuno, Mitsuyasu, to Brother Kogyo Kabushiki Kaisha. Feed control apparatus for a sewing machine. 4,823,715, 4-25-89, Cl. 112-315.000.

Horie, Fujio; and Tanaka, Takafumi, to Brother Kogyo Kabushiki Kaisha. Edge tracing sewing machine capable of automatically adjusting needle position. 4,827,858, 5-9-89, Cl. 112-456.000.

Horie, Fujio; and Tanaka, Takafumi, to Brother Kogyo Kabushiki Kaisha. Edge tracing sewing machine capable of automatically adjusting needle position. 4,869,189, 9-26-89, Cl. 112-453.000.

Horie, Fumiharu: *See—*
- Nozaka, Kenkichi; Kawahara, Yoshihiro; Fukutaka, Takashi; and Horie, Fumiharu, 4,887,680, Cl. 180-53.300.

Horie, Fumio, to Horie Sangyo Kabushiki Kaisha. Eraser. 4,796,328, 1-10-89, Cl. 15-424.000.

Horie, Hiromichi: *See—*
- Kamohara, Hisato; Amano, Kagetaka; Horie, Hiromichi; Shimamura, Keizo; and Aisaka, Tatsuyoshi, 4,832,707, Cl. 51-307.000.
- Ochiai, Kumi; Horie, Hiromichi; Arima, Itsuo; and Morita, Mikio, 4,820,338, Cl. 75-233.000.

Horie, Hironobu: *See—*
- Umemoto, Mitsumasa; Asano, Tamotsu; Horie, Hironobu; Takagi, Akinobu; Tamura, Nobuyasu; and Nishida, Takeshi, 4,873,373, Cl. 568-637.000.

Horie, Ikutaro; Ishiyama, Masashi; and Tomizuka, Teiichi, to Fuji Photo Film Co., Ltd. Cover film for microscopy. 4,853,262, 8-1-89, Cl. 428-13.000.

Horie, Ikutaro: *See—*
- Tomiyama, Hideki; Horie, Ikutaro; and Satake, Masaki, 4,833,063, Cl. 430-216.000.

Horie, Kazuhiro: *See—*
- Kobayashi, Shogo; Tsumuraya, Kenichi; and Horie, Kazuhiro, 4,815,876, Cl. 400-603.100.

Horie, Kazuyuki: *See—*
- Goto, Hiroyuki; Kohama, Tokio; Nishio, Yoshitaka; Obayashi, Hideki; and Horie, Kazuyuki, 4,796,584, Cl. 123-403.000.

Horie, Kiyoshi, to Computer Services Corporation. Optical recording medium and method for correcting angular deviation thereof. 4,881,215, 11-14-89, Cl. 369-44.000.

Horie, Kiyoshi, to CSK Corporation. Optical recording medium with track and track number guides. 4,885,736, 12-5-89, Cl. 369-275.000.

Horie, Kiyoshi: *See—*
- Akutsu, Eiichi; Soga, Hiroo; Saito, Hiroshi; Saito, Koichi; and Horie, Kiyoshi, 4,835,55., Cl. 346-139.00C.
- Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, 4,833,505, Cl. 355-326.000.
- Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, 4,841,312, Cl. 346-160.00R.
- Maruyama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, Toshiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; and Nobumasa, Furuya, 4,882,247, Cl. 430-45.000.

Horie Metal Co., Ltd.: *See—*
- Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, 4,831,878, Cl. 73-313.000.
- Hiraka, Akira; Minezawa, Morio; Katoh, Isao; and Itoh, Kouichi, 4,860,715, Cl. 123-519.000.

Horie, Michikazu: *See—*
- Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyuki; Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohgaki, Mitsuaki, 4,839,207, Cl. 428-64.000.

Horie, Noboru: *See—*
- Nishiyama, Tamotsu; Watanabe, Toshinori; Horie, Noboru; Furihata, Makoto; Kominami, Yasuo; and Mori, Fumihiko, 4,803,636, Cl. 364-491.000.

Horie Sangyo Kabushiki Kaisha: *See—*
- Horie, Fumio, 4,796,328, Cl. 15-424.000.

Horie, Seiji; Makino, Naonori; and Sato, Hideo, to Fuji Photo Film Co., Ltd. Electrophotographic photoreceptor containing a phthalocyanine pigment and a bishydrazone compound. 4,814,245, 3-21-89, Cl. 430-59.000.

Horie, Seiji: *See—*
- Makino, Naonori; Hioki, Takanori; Inagaki, Yoshio; and Horie, Seiji, 4,840,862, Cl. 430-75.000.

Horie, Shinji, to Mitsubishi Petrochemical Company Limited. Colored resin composition. 4,837,138, 6-6-89, Cl. 430-106.000.

Horie, Takao, to Nabeya Iron & Tool Works, Ltd. Fluid-permeable article and method for producing the same. 4,833,106, 5-23-89, Cl. 501-80.000.

Horie, Tsuneo: *See—*
- Okazaki, Atsushi; Igarashi, Masahiko; and Horie, Tsuneo, 4,839,627, Cl. 338-174.000.

Horigome, Masahiro: *See—*
- Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.

Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, to Hitachi, Ltd. Optical recording disk. 4,889,757, 12-26-89, Cl. 428-64.000.

Horigome, Shinkichi: *See—*
- Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.
- Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.
- Sudo, Ryoichi; Miwa, Hiroaki; Tajima, Tetsuo; and Horigome, Shinkichi, 4,835,027, Cl. 428-64.000.
- Terao, Motoyasu; Nishida, Tetsuya; Miyauchi, Yasushi; and Horigome, Shinkichi, 4,866,672, Cl. 365-151.000.

Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko; Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge, Akihiko, to Kabushiki Kaisha Toshiba. AlN sintered body having high thermal conductivity and a method of fabricating the same. 4,847,221, 7-11-89, Cl. 501-98.000.

Horiguchi, Akihiro: *See—*
- Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, 4,883,780, Cl. 501-96.000.

Horiguchi, Akira: *See—*
- Sumitomo, Hiroyuki; and Horiguchi, Akira, 4,827,877, Cl. 122-34.000.
- Sumitomo, Hiroyuki; and Horiguchi, Akira, 4,841,916, Cl. 122-32.000.

Horiguchi, Fumio; Itoh, Yasuo; Ogura, Mitsugi; and Momodomi, Masaki, to Kabushiki Kaisha Toshiba. Semiconductor memory devices. 4,799,193, 1-17-89, Cl. 365-149.000.

Horiguchi, Fumio: *See—*
- Itoh, Yasuo; Horiguchi, Fumio; Watanabe, Shigeyoshi; Ohuchi, Kazunori; and Ogura, Mitsugi, 4,800,530, Cl. 365-189.000.
- Oguara, Mitsugi; Horiguchi, Fumio; and Watanabe, Shigeyoshi, 4,831,433, Cl. 357-68.000.

Horiguchi, Hiroyuki: *See—*
- Watanabe, Yoshio; Horiguchi, Hiroyuki; and Itagaki, Masanori, 4,805,032, Cl. 358-294.000.

Horiguchi, Hyosei; Tezuka, Akira; and Seki, Shuuichi, to Hitachi, Ltd. Air conditioning system for vehicle. 4,852,639, 8-1-89, Cl. 165-42.000.

Horiguchi, Kazuo: *See—*
- Uo, Junko; Nishimura, Masaji; Horiguchi, Kazuo; Nakanishi, Setsuko; and Kaku, Shigeru, 4,803,154, Cl. 435-7.000.

Horiguchi, Kiwami: *See—*
- Kato, Yasuo; Horiguchi, Kiwami; Wada, Shinji; and Kitao, Ikuo, 4,848,895, Cl. 351-211.000.

Horiguchi, Makoto: *See—*
- Imazu, Katsuhiro; Horiguchi, Makoto; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Taira, Kazuo; and Ueno, Hiroshi, 4,863,063, Cl. 220-458.000.

Horiguchi, Masao: *See—*
- Nojiri, Akio; Komatsu, Hirokazu; Shishikura, Hidehito; and Horiguchi, Masao, 4,832,770, Cl. 156-78.000.

Horiguchi, Masashi; and Yakubo, Minoru, to Fuji Photo Film Co., Ltd. Exposure control and color correcting device. 4,843,431, 6-27-89, Cl. 355-34.000.

Horiguchi, Masashi, Yakubo, Minoru; Yokota, Masanori; and Oshima, Hideharu, to Fuji Photo Film Co., Ltd. Conveyor of a copying apparatus. 4,843,435, 6-27-89, Cl. 355-100.000.

Horiguchi, Masashi; and Yakubo, Minoru, to Fuji Photo Film co., Ltd. Photosensitive material feeding apparatus used in a copying machine. 4,849,792, 7-18-89, Cl. 355-72.000.

Horiguchi, Masashi; Yakubo, Minoru; Tamura, Yoshikazu; and Ogasawara, Mamoru, to Fuji Photo Film Co., Ltd. Copying apparatus exposure device. 4,853,747, 8-1-89, Cl. 355-51.000.

Horiguchi, Michiyuki: *See—*
- Ohashi, Masakazu; Horiguchi, Michiyuki; and Matsui, Yoshimitsu, 4,866,705, Cl. 370-85.200.

Horiguchi, Nagisa: *See—*
- Tajima, Yukitoshi; Sakamoto, Hiromitsu; and Horiguchi, Nagisa, 4,826,005, Cl. 206-310.000.

Horiguchi, Rumiko: *See—*
- Hayase, Shizu; Horiguchi, Rumiko; Onishi, Yasunobu; and Ushirogouchi, Toru, 4,871,646, Cl. 430-192.000.

- Hayase, Shuzi; Onishi, Yasunobu; and Horiguchi, Rumiko, 4,828,958, Cl. 430-175.000.
- Onishi, Yasunobu; Hayase, Shuji; Horiguchi, Rumiko; and Hirao, Akiko, 4,822,716, Cl. 430-192.000.

Horiguchi, Satoru: *See—*

- Uchiyama, Takashi; Homma, Yuji; Sakamoto, Tetsuya; Horiguchi, Satoru; Mizuno, Mikizo; and Obata, Hiroyuki, 4,814,891, Cl. 358-296.000.

Horiguchi, Shiro: *See—*

- Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi; Gotoh, Tetsuya; and Horiguchi, Shiro, 4,839,005, Cl. 204-129.460.

Horiguchi, Shojiro: *See—*

- Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.
- Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, 4,853,429, Cl. 524-29.000.
- Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, 4,881,343, Cl. 47-57.600.

Horiguchi, Toshio; Akatsuka, Yuichiro; and Tanaka, Hisakatsu, to Olympus Optical Co., Ltd. Card-form recording medium and data recording device therefor. 4,885,458, 12-5-89, Cl. 235-454.000.

Horii, Hiroshi: *See—*

- Miyake, Katsunobu; Horii, Hiroshi; and Ikoma, Kenji, 4,805,874, Cl. 251-206.000.
- Nakane, Shinichi; Uno, Takashi; Horii, Hiroshi; Kato, Shinzo; Namba, Mitsuo; and Uematsu, Reppei, 4,881,948, Cl. 48-192.000.

Horii, Hiroyuki: *See—*

- Matsukura, Hisao; Yamato, Osamu; and Horii, Hiroyuki, 4,855,693, Cl. 333-202.000.
- Miyagawa, Michiaki; Oki, Koichi; and Horii, Hiroyuki, 4,885,784, Cl. 382-8.000.
- Yamato, Osamu; Horii, Hiroyuki; Takino, Tetsuji; Yamasaki, Takanori; Sakurai, Yoshimitu; Matsukura, Hisao; and Iwase, Ichiro, 4,808,951, Cl. 333-202.000.

Horii, Ikuo: *See—*

- Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi, and Mizusaki, Shigenobu, 4,845,065, Cl. 502-74.000.

Horii, Katsuhiko: *See—*

- Yagi, Hideaki; Kojima, Takahito; and Horii, Katsuhiko, 4,801,211, Cl. 374-28.000.

Horii, Kingo: *See—*

- Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Horii, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, 4,823,755, Cl. 123-480.000.

Horii, Satoshi; Kameda, Yukihiko; and Fukase, Hiroshi, to Takeda Chemical Industries, Ltd. N-substituted pseudo-aminosugars, their production and use. 4,803,303, 2-7-89, Cl. 564-462.000.

Horii, Satoshi; and Fukase, Hiroshi, to Takeda Chemical Industries, Ltd. Inosose derivatives and production thereof. 4,824,943, 4-25-89, Cl. 536-1.100.

Horii, Satoshi: *See—*

- Kameda, Yukihiko; and Horii, Satoshi, 4,827,036, Cl. 564-462.000.

Horii, Shigeru: *See—*

- Nagasawa, Hikoshi; Ito, Kazuo; Horii, Shigeru; and Tanoshima, Katsuhide, 4,799,271, Cl. 382-40.000.

Horii, Shoichi: *See—*

- Ohashi, Minoru; Horii, Shoichi; and Kaneko, Satoshi, 4,816,373, Cl. 430-264.000.

Horii, Takashi: *See—*

- Kirihata, Shinji; Araki, Tsunehiko; Yorifuji, Yuuki; Horii, Takashi; Matsuda, Hiroshi; and Himezawa, Hidekazu, 4,849,737, Cl. 340-567.000.
- Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Horii, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, 4,807,193, Cl. 365-205.000.
- Takemae, Yoshihiro, and Horii, Takashi, 4,819,209, Cl. 365-230.000.

Horii, Yasuyuki; and Yoshii, Takashi, to Kubota, Ltd. Tractor transmission. 4,794,807, 1-3-89, Cl. 74-15.840.

Horiike, Satoru; and Hamano, Eiji, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 4,887,688, 12-19-89, Cl. 180-229.000.

Horiike, Yasuhiro: *See—*

- Arikado, Tsunetoshi; Sekine, Makoto; Okano, Haruo; and Horiike, Yasuhiro, 4,878,995, Cl. 156-643.000.
- Sekine, Makoto; Okano, Haruo; Arikado, Tsunetoshi; and Horiike, Yasuhiro, 4,838,978, Cl. 156-345.000.
- Sekine, Makoto; Okano, Haruo; and Horiike, Yasuhiro, 4,844,774, Cl. 156-643.000.

Horiike, Yoshio: *See—*

- Imai, Hiroyuki; Horiike, Yoshio; and Yamamoto, Masahiro, 4,868,854, Cl. 375-118.000.

Horiishi, Nanao: *See—*

- Yamamoto, Shigehisa; Fujita, Ryuji; Sanada, Kazutoshi; and Horiishi, Nanao, 4,828,916, Cl. 428-329.000.

Horikawa, Ethuo; and Masuzaki, Hidefumi, to Hitachi, Ltd. Method and apparatus for expanding two-dimensional compressional code. 4,860,114, 8-22-89, Cl. 358-426.000.

Horikawa, Hiroshi; Kudo, Yoshio; Ezuka, Daigo; and Shoji, Takashi, to Fuji Photo Film Co., Ltd. Optical memory disk and track access therefor. 4,884,259, 11-28-89, Cl. 369-32.000.

Horikawa, Kazuo, to Fuji Photo Film Co. Ltd. Acceleration signal corrected motor speed control system. 4,803,409, 2-7-89, Cl. 318-310.000.

Horikawa, Kazuo, to Fuji Photo Film Co., Ltd. Semiconductor laser driver system. 4,817,098, 3-28-89, Cl. 372-29.000.

Horikawa, Kazuo, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,847,499, 7-11-89, Cl. 250-327.200.

Horikawa, Kazuo, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,868,388, 9-19-89, Cl. 250-327.200.

Horikawa, Kazuo, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,876,452, 10-24-89, Cl. 250-327.200.

Horikawa, Kazuo, to Fuji Photo Film Co., Ltd. Shading elimination method. 4,885,467, 12-5-89, Cl. 250-327.200.

Horikawa, Kazuo: *See—*

- Goto, Chiaki; and Horikawa, Kazuo, 4,841,135, Cl. 350-6.800.
- Noguchi, Masaru; Miyagawa, Ichirou; and Horikawa, Kazuo, 4,807,992, Cl. 356-121.000.
- Yamagishi, Kenichi; Horikawa, Kazuo; and Ishikawa, Hiromi, 4,802,177, Cl. 372-36.000.

Horikawa, Kenichi: *See—*

- Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,843,510, Cl. 360-132.000.
- Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,881,137, Cl. 360-96.500.
- Ohyama, Masao; Yamamoto, Yoshinori; Horikawa, Kenichi; and Kawakami, Kenji, 4,816,953, Cl. 360-132.000.

Horikawa, Takeshi: *See—*

- Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Horikawa, Yoichi, to Yoshida Kogyo K. K. Apparatus for threading a slider onto opposed stringers for slide fastener. 4,799,313, 1-24-89, Cl. 29-768.000.

Horikawa, Yoshiaki, to Olympus Optical Co., Ltd. Scanning type optical microscope. 4,800,269, 1-24-89, Cl. 250-234.000.

Horikawa, Yoshiaki, to Olympus Optical Co., Ltd. Automatic focus detecting device in which two object images formed through different light paths are converted to photoelectric signals. 4,833,315, 5-23-89, Cl. 250-201.000.

Horike, Masanori; Ebi, Yutaka; and Umezawa, Michio, to Ricoh Company, Ltd. Measuring the refractive index of liquid. 4,834,533, 5-30-89, Cl. 356-133.000.

Horike, Masanori: *See—*

- Naruse, Osamu; Kakeno, Sadao; Ishikawa, Chuji; Sekimoto, Satoshi; and Horike, Masanori, 4,847,631, Cl. 346-75.000.

Horiki, Akira: *See—*

- Hagiwara, Masayoshi; Suzuki, Michio; Sasaki, Ryoichi; Sugano, Minoru; Horiki, Akira; and Hayashi, Kazuyuki, 4,876,681, Cl. 370-60.000.

Horiki, Seinosuke; and Makino, Reiji, to Nagoya Oilchemical Co., Ltd. Masking member. 4,822,650, 4-18-89, Cl. 428-34.200.

Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, to Nagoya Oilchemical Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Masking member. 4,835,026, 5-30-89, Cl. 428-40.000.

Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, to Nagoya Oilchemical Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Masking member. 4,844,285, 7-4-89, Cl. 220-287.000.

Horiki, Seinosuke; Makino, Reiji; Ito, Kuninori, and Unno, Tetuji, to Nagoya Oilchemical Co., Ltd. Masking member. 4,868,045, 9-19-89, Cl. 428-314.400.

Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, to Nagoya Oilchemical Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Masking member. 4,879,158, 11-7-89, Cl. 428-159.000.

Horikoshi, Hiroshi: *See—*

- Onosato, Hiroshi; Horikoshi, Hiroshi; and Hirahara, Masahiro, 4,819,708, Cl. 160-331.000.

Horikoshi, Hiroyoshi: *See—*

- Yoshioka, Takao; Kanai, Tsutomu; Aizawa, Yuichi; Horikoshi, Hiroyoshi; and Hasegawa, Kazuo, 4,873,255, Cl. 514-369.000.

Horikoshi, Koki: *See—*

- Yoshida, Masaru; and Horikoshi, Koki, 4,803,074, Cl. 424-122.000.

Horikoshi, Kuniaki; Kimura, Mikio; Sone, Mototaka; and Yamazaki, Kunikatsu, to Inpal Co., Ltd.; and Toyo Element Industry Co., Ltd. Rotary ozonizer. 4,832,918, 5-23-89, Cl. 422-186.180.

Horikoshi, Shigeru: *See—*

- Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.

Horikoshi, Yoshiji: *See—*

- Kobayashi, Naoki; Sugiura, Hideo; and Horikoshi, Yoshiji, 4,829,022, Cl. 437-107.000.
- Schubert, Erdmann; Ploog, Klaus; Fischer, Albrecht; and Horikoshi, Yoshiji, 4,882,609, Cl. 357-22.000.

Horikoshi, Yukio: *See—*

- Sakamaki, Hiroshi; Horikoshi, Yukio; and Tanzawa, Kenji, 4,799,867, Cl. 418-1.000.

Horikosi, Katsumi: *See—*

- Iwasaki, Takao; and Horikosi, Katsumi, 4,841,019, Cl. 528-388.000.

Horimoto, Koji, to Mitsui Petrochemical Industries, Ltd. Synthetic pulp and absorbent comprising the same. 4,833,011, 5-23-89, Cl. 428-288.000.

Horimoto, Tohru: *See—*

- Hino, Yusuke; Horimoto, Tohru; Gemma, Hideaki; Iwata, Toshiharu; and Yamada, Kimitoshi, 4,879,550, Cl. 340-825.050.

Horinchi, Yutaka, to Twin-Cee Limited. Universal towel dispenser. 4,811,878, 3-14-89, Cl. 225-46.000.

Horino, Hiroshi: *See—*

- Someya, Shinzo; Akahira, Rokuro; Horino, Hiroshi; Ohnaka, Michihiro; and Kiuchi, Takashi, 4,798,618, Cl. 71-92.000.

Horino, Koichi: *See—*

- Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,816,841, Cl. 346-76.00L.
- Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,840,873, Cl. 430-273.000.

Horino, Morikatsu; Kawabe, Manabu; and Yagi, Yoshiaki, to Kirin Beer Kabushiki Kaisha. Draught beer dispensing system. 4,869,396, 9-26-89, Cl. 222-54.000.

Horino, Nozomi: *See—*

- Katto, Hisao; Sugiura, June; Horino, Nozomi; Endo, Akira; Takeuchi, Yoshiharu; and Arakawa, Yuji, 4,830,977, Cl. 437-52.000.

Horinouchi, Shinichi: *See—*

- Takeuchi, Kunihiko; Oba, Masao; and Horinouchi, Shinichi, 4,855,994, Cl. 370-69.100.
- Takeuchi, Kunihiko; Oba, Masao; and Horinouchi, Shinichi, 4,856,177, Cl. 29-568.000.
- Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinichi, 4,858,133, Cl. 364-424.040.
- Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinichi, 4,866,616, Cl. 364-424.040.

Horio, Kazuya: *See—*

- Sasaki, Noboru; Yamada, Haruki; Onchi, Yoshiaki; and Horio, Kazuya, 4,800,362, Cl. 340-78.000.

Horio, Motohiko; Kobayashi, Naoki; and Kaneko, Kouji, to Fuji Photo Optical Co., Ltd. Electronic camera. 4,814,876, 3-21-89, Cl. 358-160.000.

Horio, Motohiko: *See—*

- Miyake, Isumi; Kaneko, Kiyotaka; Konishi, Masahiro; Horio, Motohiko; and Ogata, Kazutsugu, 4,802,020, Cl. 358-342.000.
- Tamada, Kazukiyo; Horio, Motohiko; and Sato, Kiyotaka, 4,806,964, Cl. 354-452.000.

Horio, Yoshihiro: *See—*

- Sawaki, Shohei; Ootake, Yasuhiro; Hashimoto, Terumasa; Abe, Tooru; and Horio, Yoshihiro, 4,795,754, Cl. 514-381.000.

Horio, Yoshihito. Industrial digit glove and fabric manufacturing process. 4,825,470, 5-2-89, Cl. 2-21.000.

Horita, Chiezo: *See—*

- Yamaguchi, Morie; Horita, Chiezo; Suzuki, Shigeo; and Sakata, Yasuo, 4,857,411, Cl. 428-546.000.

Horita, Norihiro: *See—*

- Itoyama, Kuniyoshi; Horita, Norihiro; Seki, Shigemi; and Minami, Satoyuki, 4,798,875, Cl. 525-444.000.

Horita, Yoshiyuki, to Yoshida Kogyo K. K. Water-tight slide fastener. 4,888,859, 12-26-89, Cl. 24-389.000.

Horiuchi, Akihisa, to Canon Kabushiki Kaisha. Compact zoom lens. 4,802,747, 2-7-89, Cl. 350-427.000.

Horiuchi, Akihisa, to Canon Kabushiki Kaisha. Compact zoom lens. 4,854,684, 8-8-89, Cl. 350-427.000.

Horiuchi, Akihisa: *See—*

- Kitagishi, Nozomu; Nakayama, Hiroki; Suda, Shigeyuki; Hattori, Jun; and Horiuchi, Akihisa, 4,842,386, Cl. 350-427.000.
- Suda, Shigeyuki; Hattori, Jun; Kitagishi, Nozomu; Nakayama, Hiroki; and Horiuchi, Akihisa, 4,810,070, Cl. 350-413.000.

Horiuchi, Harumi: *See—*

- Kido, Kazuyuki; and Horiuchi, Harumi, 4,805,036, Cl. 358-335.000.

Horiuchi, Hidenaga; Suzuki, Hisao; Aoki, Yuji; and Miura, Norio, to Kasei Optonix Ltd. Gradient radiation image conversion sheet. 4,816,350, 3-28-89, Cl. 428-690.000.

Horiuchi, Hideyuki; Shimbo, Chiaki; Onodera, Yoichi; and Suzuki, Ryuichi, to Hitachi Medical Corporation. Film image reading out device. 4,818,861, 4-4-89, Cl. 250-235.000.

Horiuchi, Hideyuki: *See—*

- Onodera, Yoichi; Horiuchi, Hideyuki; and Shimbo, Chiaki, 4,803,354, Cl. 250-231.0SE.

Horiuchi, Kaoru: *See—*

- Hata, Toshihiko; and Horiuchi, Kaoru, 4,805,127, Cl. 364-521.000.

Horiuchi, Kazufumi: *See—*

- Sato, Hirokazu; Goto, Yasuhiro; Horiuchi, Kazufumi; Michibayashi, Yasuo; Nobutsugu, Hideo; and Kawamura, Takumi, 4,838,368, Cl. 177-25.180.

Horiuchi, Kotaro; and Suzuki, Masato, to Yamaha Hatsudoki Kabushiki Kaisha. Water powered device. 4,872,805, 10-10-89, Cl. 415-7.000.

Horiuchi, Kunio, to Terumo Kabushiki Kaisha. Roller pump having force transmitting means. 4,832,585, 5-23-89, Cl. 417-477.000.

Horiuchi, Makota; Shimizu, Atsushi; Miyakawa, Yoshitaka; and Sakurai, Kazuya, to Nissin Kogyo Kabushiki Kaisha; and Honda Giken Kogyo Kabushiki Kaisha. Hydraulic booster device. 4,881,449, 11-21-89, Cl. 91-372.000.

Horiuchi, Masatada: *See—*

- Washio, Katsuyoshi; Nakamura, Tohru; Nakazato, Kazuo; Horiuchi, Masatada; and Hayashida, Tetsuya, 4,887,145, Cl. 357-59.000.

Horiuchi, Michio; and Mizushima, Kihou, to Shinko Electric Industries Co., Ltd. Ceramic package. 4,827,082, 5-2-89, Cl. 174-52.400.

Horiuchi, Mitsuaki: *See—*

- Nishitani, Eisuke; Tsuzuku, Susumu; Nakatani, Mitsuo; Maehara, Masaaki; Horiuchi, Mitsuaki; and Mizukami, Koichiro, 4,830,891, Cl. 427-253.000.
- Tateishi, Hideki; Saito, Hiroshi; Sasaki, Shinji; and Horiuchi, Mitsuaki, 4,853,102, Cl. 204-298.000.

Horiuchi, Ryo; Saito, Satoshi; Suzuki, Koichi; and Higashino, Kazuyuki, to Astronautical Science; and Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Combustor of high pressure burner for rocket engine and method of fabrication thereof. 4,856,163, 8-15-89, Cl. 29-157.00C.

Horiuchi, Satoshi: *See—*

- Oka, Tetsuo; Hayashi, Kenji; Akamatsu, Takayoshi; and Horiuchi, Satoshi, 4,888,211, Cl. 427-130.000.

Horiuchi, Shoji: *See—*

- Hayashi, Shigeru; Saito, Takasui; Horiuchi, Shoji; and Takahashi, Tadashi, 4,882,478, Cl. 250-211.00R.

Horiuchi, Tetsuo; and Inoue, Yuichi, to Nitto Electric Industrial Co., Ltd. Dermal bandage and dermal preparation. 4,880,416, 11-14-89, Cl. 604-307.000.

Horiuchi, Tetsuo: *See—*

- Yamanari, Shozo; Horiuchi, Tetsuo; Tominaga, Kenji; Goto, Hiroshi; and Miura, Satoshi, 4,808,369, Cl. 376-282.000.

Horiuchi, Tetsuro; Goldman, Arnold E.; and Raghavan, Durai N., to Ensci, Inc. Lathanide series oxide modified alkaline-resistant glass. 4,882,302, 11-21-89, Cl. 501-27.000.

Horiuchi, Yasushi. Power source device for high-frequency induction heating. 4,886,952, 12-12-89, Cl. 219-10.770.

Horiuchi, Yutaka. Carrying case. 4,796,735, 1-10-89, Cl. 190-109.000.

Horiya, Keiichi, to Tokyo Electric Co., Ltd. Input scanning device. 4,809,086, 2-28-89, Cl. 358-293.000.

Horiya, Shigekazu: *See—*

- Yokota, Takayoshi; Horiya, Shigekazu; and Kita, Kenji, 4,848,973, Cl. 405-263.000.
- Yokota, Takayoshi; Horiya, Shigekazu; Uno, Sadao; Katayama, Kozo; and Tanabe, Daijiro, 4,856,754, Cl. 249-113.000.

Horizon Instruments, Inc.: *See—*

- Kelly, Tom J., III, 4,811,255, Cl. 364-565.000.

Horkey, Edward J. Fuel burning appliance incorporating catalytic combustor. 4,844,051, 7-4-89, Cl. 126-58.000.

Horler, Hans: *See—*

- Merger, Franz; Fischer, Rolf; and Horler, Hans, 4,873,362, Cl. 560-238.000.

Horley, Susan M.: *See—*

- Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,880,931, Cl. 544-316.000.
- Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,883,873, Cl. 544-316.000.
- Davies, Stephen P.; Horley, Susan M.; and Westby, Margaret J., 4,849,464, Cl. 524-375.000.

Hormann KG Antriebs- und Steuerungstechnik: *See—*

- Hormann, Michael, 4,819,495, Cl. 74-424.600.
- Hormann, Michael, 4,888,531, Cl. 318-282.000.

Hormann KG Brockhagen: *See—*

- Hormann, Michael, 4,794,972, Cl. 160-236.000.
- Hormann, Michael, 4,878,529, Cl. 160-201.000.

Hormann, Michael, to Hormann KG Brockhagen. Door leaf member. 4,794,972, 1-3-89, Cl. 160-236.000.

Hormann, Michael, to Hormann KG Antriebs- und Steuerungstechnik. Gear for converting a rotary into a translational motion. 4,819,495, 4-11-89, Cl. 74-424.600.

Hormann, Michael; and Bach, Otto, to W. C. Heraeus GmbH. Method of producing a tantalum stock material of high ductility. 4,844,746, 7-4-89, Cl. 148-2.000.

Hormann, Michael, to Hormann KG Brockhagen. Sectional overhead door for low lintel heights. 4,878,529, 11-7-89, Cl. 160-201.000.

Hormann, Michael, to Hormann KG Antriebs- und Steuerungstechnik. Variable drive mechanism for the panel of a gate or similar structure. 4,888,531, 12-19-89, Cl. 318-282.000.

Hormann, Michael: *See—*

- Tushaus, Hans-Joachim; and Hormann, Michael, 4,876,868, Cl. 72-42.000.

Hormann, Rudolf, to MAN Nutzfahrzeuge GmbH. Oil container for the supply of hydraulic power circuits. 4,809,745, 3-7-89, Cl. 137-574.000.

Hormann, Thomas: *See—*

- Immendorfer, Manfred; Kopp, Dieter; and Hormann, Thomas, 4,837,808, Cl. 379-96.000.

Hormansdorfer, Gerd. Latent heat storage material and use thereof. 4,795,580, 1-3-89, Cl. 252-70.000.

Hormel, Herbert L., to S. P. Kinney Engineers, Inc. Butterfly valve. 4,800,915, 1-31-89, Cl. 137-340.000.

Hormel, Ronald F., to Chrysler Motors Corporation. Electroluminescent display drive circuitry. 4,845,489, 7-4-89, Cl. 340-811.000.

Hormes, Marlene: *See—*

- Wegener, Ingo; Giesen, Brigitte; Meffert, Alfred; Werner, Claus; Hennen, Udo; and Hormes, Marlene, 4,861,508, Cl. 252-121.000.

Horn, Alan S., to Nelson Research & Development Co. Method for treating schizophrenia. 4,882,352, 11-21-89, Cl. 514-438.000.

Horn, Alan S., to Nelson Research & Development Co. Method and compositions for treatment of parkinsonism syndrome in mammals. 4,885,308, 12-5-89, Cl. 514-438.000.

Horn, David N.: *See—*

- Herrig, Hanz W.; Horn, David N.; Peters, Daniel V.; Pfeifer, Randy D.; and Wilcox, Wayne R., 4,835,737, Cl. 364-900.000.

Horn, Diane: *See—*

- Hellstrom, Ingegerd; Brown, Joseph P.; Hellstrom, Karl E.; Horn, Diane; and Linsley, Peter, 4,873,188, Cl. 435-7.000.

Linsley, Peter S.; Ochs, Vincent W.; Horn, Diane; Brown, Joseph P.; Ring, David B.; and Frankel, Arthur E., 4,803,169, Cl. 435-7.000.
Horn, Dieter: *See—*
Lueddecke, Erik; and Horn, Dieter, 4,844,934, Cl. 426-540.000.
Horn, Douglas J. Wheelchair propelled by rowing. 4,811,964, 3-14-89, Cl. 280-250.100.
Horn, Edward R.; and Hopkinson, Derek, to Aladdin Engineering & Mfg., Inc. Pneumatic locking valve with manual override. 4,838,306, 6-13-89, Cl. 137-522.000.
Horn, Edward R.; and Hopkinson, Derek, to Aladdin Engineering & Mfg., Inc. Fluid operated clamping device including fluid pressure locking means. 4,838,532, 6-13-89, Cl. 269-23.000.
Horn, Gerald; and Spears, Kenneth. Intraocular lens assemblies. 4,888,012, 12-19-89, Cl. 623-6.000.
Horn, Glenn T.: *See—*
Mullis, Kary B.; Erlich, Henry A.; Arnheim, Norman; Horn, Glenn T.; Saiki, Randall K.; and Scharf, Stephen J., 4,800,159, Cl. 435-172.300.
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Horn, James F.: *See—*
MacKinnon, Francis X.; Horn, James F.; and Pastina, John A., 4,882,820, Cl. 26-93.000.
Horn, Johannes: *See—*
van der Merwe, Jacobus C.; van der Merwe, Lucas C.; and Horn, Johannes, 4,867,131, Cl. 126-263.000.
Horn, John J., to PBS Building Systems, Inc. Modular building system for a three-story structure. 4,807,407, 2-28-89, Cl. 52-79.100.
Horn, John J., to PBS Building Systems, Inc. Architectural modular system. 4,882,883, 11-28-89, Cl. 52-79.100.
Horn, Jurgen; and Kitzing, Walter, to Robert Krups Stiftung & Co. KG. Electromechanical scale. 4,886,133, 12-12-89, Cl. 177-211.000.
Horn, Manfred: *See—*
Bode, Jurgen; and Horn, Manfred, 4,833,827, Cl. 49-280.000.
Bode, Jurgen; and Horn, Manfred, 4,838,102, Cl. 74-89.150.
Horn, Marc C., to Atlantic Richfield Company. Detection of water saturation in insulation at cased road crossings. 4,853,615, 8-1-89, Cl. 324-65.00R.
Horn, Marcus J.; and Recchia, Joanne, to Applied Protein Technologies, Inc. Method and apparatus for monitoring the automated synthesis of peptides. 4,800,166, 1-24-89, Cl. 436-55.000.
Horn, Michael, to Grumman Aerospace Corporation. Visor with point sun blocking. 4,848,890, 7-18-89, Cl. 351-44.000.
Horn, Michael, to Grumman Aerospace Corporation. Portable X-ray collimator and scatter shield. 4,852,141, 7-25-89, Cl. 378-147.000.
Horn, Michael J.: *See—*
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Horn, Paul C.: *See—*
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Horn, Paul D.: *See—*
Gupta, Y. M.; and Horn, Paul D., 4,805,461, Cl. 73-800.000.
Horn, Peter J., to Ciba-Geigy Corporation. Process for the simultaneous caustic treatment and dyeing of cotton goods. 4,834,770, 5-30-89, Cl. 8-495.000.
Horn, Petr, to Albert Koch. Calibrated temperature sensor and method of calibrating same. 4,840,494, 6-20-89, Cl. 374-1.000.
Horn, Robert K.: *See—*
Sander, Bruno; Marquardt, Siegfried; Lueth, Gero; Horn, Robert K.; and Kempe, Uwe, 4,828,715, Cl. 210-710.000.
Horn, Rolf: *See—*
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Horn, Thomas A.: *See—*
Alsobrooks, Daniel E.; Bart, Hansueli; Chauvin, Richard; Horn, Thomas A.; Merte, John H.; Mesenich, Gerhard; and Mitts, Donna M., 4,840,163, Cl. 123-533.000.
Horn, William F.: *See—*
Gardner, Robert C.; Horn, William F.; Rhoades, Mark K.; Wells, Marvin D.; and Yockey, Steve J., 4,828,184, Cl. 239-590.300.
Hornak, Leonard P.; and Meuschke, Robert E., to Westinghouse Electric Corp. Guide pin assembly for a nuclear reactor. 4,820,479, 4-11-89, Cl. 376-446.000.
Hornak, Leonard P.: *See—*
Kaufmann, John W.; Swidwa, Kenneth J.; and Hornak, Leonard P., 4,832,902, Cl. 376-268.000.
Salton, Robert B.; Hornak, Leonard P.; Marshall, James R.; and Meuschke, Robert E., 4,834,934, Cl. 376-271.000.
Hornak, Thomas, to Hewlett-Packard Company. Sample-and-hold circuit. 4,825,103, 4-25-89, Cl. 307-353.000.
Hornback, Donald L.: *See—*
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Hornberger, David A.: *See—*
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Hornby-Anderson, Sara: *See—*
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Hornby, Brian E., to Schlumberger Technology Corporation. Method for determining formation permeability by comparing measured tube waves with formation and borehole parameters. 4,797,859, 1-10-89, Cl. 367-31.000.
Hornby, Brian E.; and Wiggins, Ralphe, to Schlumberger Technology Corporation. Borehole logging methods for detection and imaging of formation structural features. 4,817,059, 3-28-89, Cl. 367-28.000.
Hornby, Brian E.; and Johnson, David L., to Schlumberger Technology Corporation. Borehole logging method for fracture detection and evaluation. 4,831,600, 5-16-89, Cl. 367-31.000.
Hornby, Stephen J.: *See—*
Brattan, Keith; Hornby, Stephen J.; and Sehmi, Govinder S., 4,822,461, Cl. 204-98.000.
Horne, Colin; and Morgan, Edward B. Water turbine arrangement for power generation using tidal energy. 4,859,866, 8-22-89, Cl. 290-54.000.
Horne, Deane A.: *See—*
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Horne, Donald E.: *See—*
Hannon, David M.; and Horne, Donald E., 4,823,205, Cl. 369-14.000.
Horne, Donald R.; and Jeffers, John M., to General Instrument Corp. Cryptographic system using interchangeable key blocks and selec able key fragments. 4,803,725, 2-7-89, Cl. 380-44.000.
Horne, Donald R., to Ricoh Co., Ltd. Cryptographic system for direc broadcast satellite system. 4,887,296, 12-12-89, Cl. 380-21.000.
Horne, G. Marshall: *See—*
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Horne, John G.: *See—*
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Chandler, Mark A.; Goggin, David J.; Horne, Patrick J.; Kocurei Gary G.; and Lake, Larry W., 4,864,845, Cl. 73-38.000.
Horne, Warren L.; Kunz, Nans; Luna, Phillip M.; Roberts, Andrew C.; Smith, Kenneth M.; and Smith, Ronald C., to United States of Amer ica, National Aeronautics and Space Administration. Wind tunne balance. 4,845,993, 7-11-89, Cl. 73-147.000.
Horner, Arland W.: *See—*
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Woodring, William J.; and Horner, Charles J., Jr., 4,886,554, Cl. 136-244.000.
Horner, Eva; Muhl, Reinhold; and Trumpp, Hans-Joachim, to International Business Machines Corp. Process of making via holes in a double-layer insulation. 4,816,115, 3-28-89, Cl. 156-643.000.
Horner, Jack L., Jr.: *See—*
Bohaski, Frank L.; and Horner, Jack L., Jr., 4,872,679, Cl. 273-85.00R.
Horner, John A. System for detecting leaks in underground fuel tanks and the like. 4,885,931, 12-12-89, Cl. 73-49.200.
Horner, Joseph L. Method of enhancing the signal to noise ratio of an image recognition correlator. 4,826,285, 5-2-89, Cl. 350-162.130.
Horner, Patrick J.: *See—*
Becker, Paul; Edwards, Larry M.; Horner, Patrick J.; Macknick, A. Brian; Moore, Stephen; and Mosso, Ronald J., 4,843,131, Cl. 526-65.000.
Dahl, Klaus J.; Horner, Patrick J.; Gors, Heinrich C.; Jansons, Viktors; and Whiteley, Richard H., 4,868,271, Cl. 528-171.000.
Gors, Heinrich C.; Horner, Patrick J.; and Jansons, Viktors, 4,814,508, Cl. 568-309.000.
Towle, Ian D. H.; and Horner, Patrick J., 4,845,179, Cl. 528-9.000.
Horner, Terry A. Motionless mixers and baffles. 4,840,493, 6-20-89, Cl. 366-339.000.
Horner, Terry A. Motionless mixers and baffles. 4,850,705, 7-25-89, Cl. 366-339.000.
Horng, Liou-Liang: *See—*
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Horng, Weiyo. Roll-up flush toilet. 4,799,272, 1-24-89, Cl. 4-312.000.
Hornhardt, Hubert L.; and Nuske, Geoffrey G., to Alf. Hannaford & Co. Pty. Ltd. Measuring devices. 4,798,280, 1-17-89, Cl. 198-666.000.
Hornig, Klaus-Jurgen; and Thiessen, Hans-Henning, to Linotype Aktiengesellschaft. Area exposure apparatus for exposing an area of tex on a recording carrier and method for conducting the area exposur 4,821,048, 4-11-89, Cl. 346-108.000.
Horninger, Karlheinrich: *See—*
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Hornischer, Edgar: *See—*
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Elter, Claus; Hornischer, Edgar; Schmitt, Hermann; Schoening, Josef; and Weicht, Ulrich, 4,830,818, Cl. 376-381.000.
Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., to Cooper LaserSonics, Inc. Ultrasonic surgical system with irrigation manifold. 4,846,790, 7-11-89, Cl. 604-22.000.

Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., to Cooper LaserSonics, Inc. Irrigation tubing connector for an ultrasonic surgical system. 4,881,761, 11-21-89, Cl. 285-239.000.
Hornlein, Robert W.: *See—*
Kuhl, Peter; Broadwin, Alan; and Hornlein, Robert W., 4,832,021, Cl. 128-303.00R.
Hornsby, Howard C., Jr.; and Murphy, Robert J., to Hornsby, Howard C., Jr.; and Murphy, Robert J. Water vehicle. 4,862,817, 9-5-89, Cl. 114-67.00A.
Hornschemeyer, Heinz, to Marker Deutschland GmbH. Heel piece for safety ski binding. 4,795,185, 1-3-89, Cl. 280-632.000.
Hornschemeyer, Heinz, to Marker Deutschland GmbH. Toe piece for safety ski binding. 4,883,286, 11-28-89, Cl. 280-629.000.
Hornsey, Derek: *See—*
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Lee, Robert; Hornsey, Derek; Garrido, Guillermo; and Dieguez, Jose M., 4,860,827, Cl. 166-261.000.
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Hornstein, Karol: *See—*
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Hornung, Klaus: *See—*
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Hornung, Mark A.; and Warner, Charles E., to Milliken Research Corporation. Three dimensional patterning process. 4,810,558, 3-7-89, Cl. 428-159.000.
Hornung, Richard, to Sterwin Laboratories Inc. Automatic spray apparatus. 4,863,443, 9-5-89, Cl. 604-289.000.
Hornyos, Janos; Millei, Gyula; Nemeth, Laszlo; and Wagner, Otto. Process for the production of closed gas-cellular granular materials. 4,830,797, 5-16-89, Cl. 264-43.000.
Horobin, David D. Modular building-block form. 4,884,382, 12-5-89, Cl. 52-426.000.
Horodysky, Andrew G., to Mobil Oil Corporation. Fuels containing N-alkylalkylenediamine amides. 4,808,196, 2-28-89, Cl. 44-71.000.
Horodysky, Andrew G.; and Kaminski, Joan M., to Mobil Oil Corporation. Long chain diols and lubricants containing same. 4,816,037, 3-28-89, Cl. 44-53.000.
Horodysky, Andrew G., to Mobil Oil Corporation. Lubricant compositions containing reaction products of formic acid and dialkylenetriamines. 4,816,171, 3-28-89, Cl. 252-32.70E.
Horodysky, Andrew G., to Mobil Oil Corporation. Hydrocarbon fuels containing sulfonyl dialkanol esters. 4,830,636, 5-16-89, Cl. 44-70.000.
Horodysky, Andrew G., to Mobil Oil Corporation. Diamine carboxylates and lubricant and fuel compositions containing same. 4,849,119, 7-18-89, Cl. 252-51.50A.
Horodysky, Andrew G.: *See—*
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Doner, John P.; Horodysky, Andrew G.; and Keller, John A., Jr., 4,828,734, Cl. 252-49.000.
Doner, John P.; Farng, Liehpao O.; and Horodysky, Andrew G., 4,834,893, Cl. 252-32.70E.
Farng, Liehpao O.; and Horodysky, Andrew G., 4,820,430, Cl. 252-48.600.
Farng, Liehpao O.; and Horodysky Andrew G., 4,828,733, Cl. 252-42.700.
Farng, Liehpao O.; and Horodysky, Andrew G., 4,828,740, Cl. 252-49.700.
Horovitz, Zvi. Sole construction for footwear. 4,864,738, 9-12-89, Cl. 36-29.000.
Horowitz, Abraham A.: *See—*
Haruvy, Yair; Katz, Moshe; and Horowitz, Abraham A., 4,872,220, Cl. 2-243.00A.
Horowitz, Amikam, to B.F. Goodrich Company, The. Microbial degradation of hydrocarbons. 4,806,482, 2-21-89, Cl. 435-262.000.
Horowitz, Amikam, to B F Goodrich Company, The. Microbial degradation of hydrocarbons. 4,833,086, 5-23-89, Cl. 435-252.100.
Horowitz, Bernard, to New York Blood Center, Inc. Inactivation of viruses in labile protein-containing compositions using fatty acids. 4,841,023, 6-20-89, Cl. 530-351.000.
Horowitz, Bernard: *See—*
Neurath, Alexander R.; and Horowitz, Bernard, 4,820,805, Cl. 530-410.000.
Horowitz, Bruce S. Delivery system for interstitial radiation therapy including substantially non-deflecting elongated member. 4,815,449, 3-28-89, Cl. 600-7.000.
Horowitz, Carl: *See—*
Lee, Andrew J.; Sanduja, Mohan L.; Sugathan, Kenneth; Dragnea, Felicia; and Horowitz, Carl, 4,875,410, Cl. 101-170.000.
Horowitz, Martin: *See—*
Orloff, Eugene F.; Horowitz, Martin; and Rittner, Charles H., 4,872,120, Cl. 364-509.000.
Horowitz, Steven L., to GTX Corporation. Method and apparatus for generating size and orientation invariant shape features. 4,802,230, 1-31-89, Cl. 382-22.000.

Horowski, Reinhard: *See—*
Wachtel, Helmut; Schneider, Herbert H.; Loschmann, Peter-Andreas; Dorow, Rainer; Horowski, Reinhard; Acksteiner, Bernard; Schulze, Paul-Eberhard; and Sauer, Gerhard, 4,857,298, Cl. 424-1.100.
Horowy, John: *See—*
Shekhawat, Sampat S.; Dhyanchand, John J.; and Horowy, John, 4,885,486, Cl. 307-570.000.
Horriere, Daniel; and Chazalet, Maurice, to Rhone-Poulenc Agrochimie. Fungicidal compositions based on alkyl phosphites. 4,806,445, 2-21-89, Cl. 514-141.000.
Horrobin, David F., to Efamol, Ltd. Pharmaceutical and dietary composition. 4,806,569, 2-21-89, Cl. 514-552.000.
Horrobin, David F., to Efamol Limited. Pharmaceutical compositions. 4,810,497, 3-7-89, Cl. 424-153.000.
Horrobin, David F.; and Huang, Y. Sheng. Therapeutic composition and method. 4,855,136, 8-8-89, Cl. 424-602.000.
Horrobin, David F., to Efamol Ltd. Pharmaceutical and dietary composition. 4,868,212, 9-19-89, Cl. 514-552.000.
Horrobin, David F., to Efamol Limited. Anti-viral compositions. 4,886,670, 12-12-89, Cl. 424-677.000.
Horrobin, David F., to Efamol Ltd. Method of treating defective T-lymphocyte function with rutin or troxerutin in combination with γ-linolenic acid or dihomo-γ-linolenic acid. 4,888,326, 12-19-89, Cl. 514-27.000.
Horrobin, David F.: *See—*
Stewart, Charles; Horrobin, David F.; and Carmichael, Hugh, 4,826,877, Cl. 514-560.000.
Horsch, Axel, to International Business Machines Corporation. System for determining the code coverage of a tested program based upon static and dynamic analysis recordings. 4,853,851, 8-1-89, Cl. 364-300.000.
Horsch, Heinrich. Device for photographic monitoring of cross-roads. 4,884,072, 11-28-89, Cl. 340-937.000.
Horsch, Joachim, to J. I. Case Company. Clutch assembly for a tractor. 4,834,228, 5-30-89, Cl. 192-70.280.
Horsch, Joachim, to J. I. Case Company. Actuating mechanism for a transmission control system. 4,844,127, 7-4-89, Cl. 137-637.100.
Horsch, Joachim, to J. I. Case Company. Multi-speed powershift transmission. 4,858,495, 8-22-89, Cl. 74-745.000.
Horsch, Joachim, to J. I. Case Company. Hydraulic control system for a tractor transmission. 4,877,116, 10-31-89, Cl. 192-3.570.
Horsch, Rudolf; and Frisbee, Claude M., to J. I. Case Company. Dozer blade mounting assembly. 4,828,044, 5-9-89, Cl. 172-821.000.
Horsch, Rudolf; Frisbee, Claude M.; and Werner, Ronald H., to J. I. Case Company. Dozer blade visual tilt indicator. 4,828,045, 5-9-89, Cl. 172-821.000.
Horsey, Robert W.; Pilon, Laurent C.; Fletcher, Grant M.; and Horner, Arland W., to BASF Fibres, Inc. Apparatus and process for automatically taking up a continuously supplied yarn. 4,856,722, 8-15-89, Cl. 242-18.00A.
Horsfield, Edward A.: *See—*
Wood, Ian A.; and Horsfield, Edward A., 4,874,573, Cl. 376-272.000.
Horsky, Anton; Kuhn, Siegfried; and Voss, Wolf-Dietrich, to Boehringer Werkzeugmaschinen GmbH. Adjustable tool-holder in machine-tools for slot milling. 4,836,725, 6-6-89, Cl. 409-201.000.
Horsley, Christopher M.: *See—*
Morrissey, William P.; Horsley, Christopher M.; and Yurcho, John A., Jr., 4,823,652, Cl. 81-125.000.
Horsmann, Edward O. Hunting blind structure. 4,794,717, 1-3-89, Cl. 43-1.000.
Horst Hermann Company: *See—*
Hermann, Horst; Binoder, Wilhelm; Rech, Armin; Rech, Gerd; and Reinhardt, Gunter, 4,812,979, Cl. 364-431.010.
Horst, Jenny: *See—*
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Horst, Kenneth R.: *See—*
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Horst, Ralph L., to Aluminum Company of America. Method of making an aluminum base alloy anode. 4,865,651, 9-12-89, Cl. 148-2.000.
Horst, Robert W.; Lynch, Shannon J.; Costantino, Cirillo L.; and Beirne, John M., to Tandem Computers Incorporated. Multiple data patch CPU architecture. 4,800,486, 1-24-89, Cl. 364-200.000.
Horst, Robert W.; and Costantino, Cirillo L., to Tandem Computers Incorporated. Overlapped control store. 4,823,252, 4-18-89, Cl. 371-8.000.
Horst, Robert W.; and Harris, Richard L., to Tandem Computers Incorporated. Enhanced CPU return address stack. 4,872,109, 10-3-89, Cl. 364-200.000.
Horst Witte Entwicklungs- und Vertriebs KG: *See—*
Witte, Horst, 4,886,257, Cl. 269-9.000.
Horsten, Johannes B., to U.S. Philips Corporation. Device for regenerating a binary digital signal, for example a bi-phase encoded signal. 4,853,801, 8-1-89, Cl. 360-46.000.
Horsten, Johannes B., to Robert Bosch GmbH. Apparatus for reproducing a pcm modulated signal, comprising a muting circuit. 4,864,573, 9-5-89, Cl. 371-5.100.
Horster, Horst: *See—*
Fischer, Hanns E.; Horster, Horst; Kersten, Reinhard; and Van Lierop, Joseph G., 4,866,327, Cl. 313-25.000.
Horsthemke, Werner: *See—*
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- Horstik, Alfred J.: *See—*
  - Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., 4,851,089, Cl. 204-60.000.
  - Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., 4,853,094, Cl. 204-64.00R.
  - Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., 4,874,482, Cl. 204-60.000.
- Horstman Manufacturing Co.: *See—*
  - Gebhart, Gary R., 4,856,637, Cl. 192-105.00C.
- Horstman, Raymond H., to Boeing Company, The. Dual nozzle cabin ventilation system. 4,819,548, 4-11-89, Cl. 98-1.000.
- Horstmann, Harald: *See—*
  - Beckermann, Bernhard; Dell, Hans-Dieter; Horstmann, Harald; and Kraus, Reinhold, 4,871,767, Cl. 514-536.000.
  - Seidel, Peter-Rudolf; Horstmann, Harald; Traber, Jorg; Dompert, Wolfgang; Glaser, Thomas; and Schuurman, Teunis, 4,818,756, Cl. 514-224.200.
- Horstmann, Michael: *See—*
  - Guse, Gunter; Horstmann, Michael; and Erler, Axel, 4,882,163, Cl. 424-448.000.
- Horstmann, Richard E.; and Oberschmidt, James M., to International Business Machines Corporation. Low inductance capacitor. 4,814,940, 3-21-89, Cl. 361-309.000.
- Hortensius, Peter: *See—*
  - McLeod, Robert; Card, Howard; Hortensius, Peter; and Pries, Werner, 4,860,236, Cl. 364-717.000.
- Hortin, Glen L., to Washington University. Novel antithrombin peptide. 4,861,865, 8-29-89, Cl. 530-326.000.
- Hortlik, Frantisek: *See—*
  - Burysek, Frantisek; Sloupensky, Jiri; Boucek, Miroslav; Hortlik, Frantisek; Bace, Jiri ; Silar, Zdenek; and Kutlvasr, Jiri, 4,821,502, Cl. 57-263.000.
- Horton, Derek; and Priebe, Waldemar, to Ohio State University Research Foundation. 14-Acyloxy-2'-halo-anthracycline anti-cancer antibiotics. 4,870,058, 9-26-89, Cl. 514-34.000.
- Horton, Donald D.: *See—*
  - Murphy, John H.; Curtis, Ernest S.; and Horton, Donald D., 4,820,518, Cl. 424-401.000.
- Horton, Gilbert L.; Borst, William A.; Respess, Herman M.; Langlois, Michael P.; Poole, Eddie D.; and Swaim, J. E., to Sara Lee Corporation. Packaging system. 4,809,482, 3-7-89, Cl. 53-131.000.
- Horton, Gilbert L.; Poole, Eddie D.; and Borst, William A., to Sara Lee Corporation. System for printing both sides of envelopes. 4,838,162, 6-13-89, Cl. 101-296.000.
- Horton Industries, Inc.: *See—*
  - Kniebel, Charles J.; Schieffer, Virgil; and Bredt, Robert C., 4,877,117, Cl. 192-85.00A.
- Horton, Jack, to Murdock, Inc. Process for dry fiber winding and impregnating of projectiles. 4,876,050, 10-24-89, Cl. 264-102.000.
- Horton, Lee A. Combined eye covering and ear covering assembly. 4,856,089, 8-8-89, Cl. 455-351.000.
- Horton, M. Duane: *See—*
  - Peterson, Gary R.; and Horton, M. Duane, 4,797,241, Cl. 264-63.000.
- Horton Manufacturing Co., Inc.: *See—*
  - Dayen, Leonid; and Raines, Charles D., 4,826,064, Cl. 226-21.000.
  - Dayen, Leonid, 4,846,315, Cl. 188-264.00A.
  - Dayen, Leonid; and Raines, Charles D., 4,872,535, Cl. 188-170.000.
- Horton, Paul F. Aircraft with magnetically coupled annulus. 4,807,830, 2-28-89, Cl. 244-12.200.
- Horton, Paul F. Collapsible canopy for pickup trucks. 4,883,305, 11-28-89, Cl. 296-105.000.
- Horton, Paul H., to Western Fibers, Inc. Method and composition for producing and installing cellulosic installation. 4,804,695, 2-14-89, Cl. 524-27.000.
- Horton, Paul J., to Therm-O-Disc, Incorporated. High temperature sensing apparatus. 4,841,273, 6-20-89, Cl. 338-28.000.
- Horton, Raymond R.: *See—*
  - Cipolla, Thomas M.; Horton, Raymond R.; Murphy, Philip; and Palmer, Michael J., 4,875,614, Cl. 228-5.500.
- Horton, Robert, Jr.: *See—*
  - Ankeny, Mark D.; Kaspar, Thomas C.; and Horton, Robert, Jr., 4,884,436, Cl. 73-38.000.
- Horton, Robert A.; Jeyarajan, Arunachalam; and Graham, Lawrence D., to PCC Airfoils, Inc. Method of casting an article. 4,862,947, 9-5-89, Cl. 164-122.200.
- Horton, Robert D.; and Farley, Doyle J. Self-dusting insecticide boot attachment. 4,881,671, 11-21-89, Cl. 224-222.000.
- Horton, Robert E.: *See—*
  - Miller, William L.; Horton, Robert E.; and Hayward, Peter J., 4,831,582, Cl. 364-900.000.
- Horton, Robert L., to Phillips Petroleum Company. Removal of mercury from gases. 4,843,102, 6-27-89, Cl. 521-28.000.
- Horton, Robert L.; and Lakey, George V., to Phillips Petroleum Company. Recovering mineral values from ores. 4,880,607, 11-14-89, Cl. 423-20.000.
- Horton, Robert L.: *See—*
  - Born, Robert L.; and Born, Leroy C., 4,870,543, Cl. 362-61.000.
- Horton, Stephen W.; and Percival, Dan M., to Rainier Technologies Corporation. Voice/data switch. 4,821,312, 4-11-89, Cl. 379-102.000.
- Horton, Terry F.: *See—*
  - Bennett, Walter; and Horton, Terry F., 4,828,316, Cl. 296-181.000.
- Horvallius, Torgny. Method and arrangement for the measurement of wheel alignment angles in the front axle and suspension assembly of a motor vehicle. 4,823,470, 4-25-89, Cl. 33-228.000.
- Horvat, Juro; and Spector, George. Inflatible mattress with adjustable internal partitions. 4,843,663, 7-4-89, Cl. 5-455.000.
- Horvat, Philippe, to U.S. Philips Corporation. FM receiver with improved adjacent-channel rejection. 4,856,085, 8-8-89, Cl. 455-315.000.
- Horvat, Philippe N.: *See—*
  - Cormier, Jean-Pierre M.; and Horvat, Philippe N., 4,806,945, Cl. 343-756.000.
- Horvath, Agnes: *See—*
  - Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,803,274, Cl. 546-13.000.
  - Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,806,645, Cl. 546-13.000.
  - Hermecz, Istvan; Kereszturi, Geza; Vasvavi, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Szuts, Tamas; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,871,849, Cl. 544-229.000.
  - Szentmiklosi, Peter; Hermecz, Istvan; Meszaros, Zoltan; Tardos, Laszlo; Marton, Jeno; Vasvari nee Debreczy, Lelle; Horvath, Agnes; and Marmarosi (nee Kellner), Katalin, 4,814,336, Cl. 514-263.000.
- Horvath, Andras: *See—*
  - Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Sopte, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karasonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
- Horvath, Csaba: *See—*
  - Carpenter, B. Stephen; Horvath, Csaba; and Vogt, Corazon R., 4,830,917, Cl. 428-315.500.
- Horvath, Eduard, to Otto Bock Orthopadische Industrie Besitz- und Verwaltungs-KG. Rotary joint especially for a knee prosthesis. 4,795,474, 1-3-89, Cl. 623-27.000.
- Horvath, Eduard, to Otto Bock Orthopadische Industrie Besitz- und Verwaltungs-KG. Double-acting hydraulic piston-and-cylinder device. 4,854,428, 8-8-89, Cl. 188-298.000.
- Horvath, Gabor, to Licencia Talalmanyokat Ertekesito es Innovacios. Actuator providing guided linear displacement. 4,796,516, 1-10-89, Cl. 92-165.00R.
- Horvath, Gabor: *See—*
  - Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.
  - Szilagyi, Imre; Dekany, Gyula; Frank, Judit; Horvath, Gabor; and Kulcsar, Gabor, 4,873,348, Cl. 549-271.000.
- Horvath, Gregory L.: *See—*
  - Weaver, Gary R.; Smith, Bryce M.; Horvath, Gregory L.; and Walsh, Bernard L., Jr., 4,799,028, Cl. 331-57.000.
- Horvath, Gyula: *See—*
  - Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.
- Horvath, Horst H., to Siemens Aktiengesellschaft. Method for monitoring the width of material in strip form. 4,816,052, 3-28-89, Cl. 65-29.000.
- Horvath, Juliu. Exercise apparatus. 4,850,586, 7-25-89, Cl. 272-72.000.
- Horvath, Katalin G.: *See—*
  - Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.
- Horvath, Kordelia: *See—*
  - Horvath, Viktor; and Horvath, Kordelia, 4,867,454, Cl. 273-119.00R.
- Horvath, Lazlo: *See—*
  - Palotas, Laszlo; Laszlo, Geza; Horvath, Lazlo; Baria, Arpadne; Marion, Barnabas; and Szarka, Ferencne , 4,880,208, Cl. 251-356.000.
- Horvath, Othmar, to U.S. Philips Corporation. Recording and/or reproducing apparatus. 4,815,066, 3-21-89, Cl. 369-79.000.
- Horvath, Paul J.: *See—*
  - Sauber, R. Stuart; and Horvath, Paul J., 4,800,734, Cl. 62-263.000.
- Horvath, Tibor: *See—*
  - Abraham, Gizella; Horvath, Tibor; Toldy, Lajos; Borvendeg, Janos; Csanyi, Endre; Kiss, Eva, nee Hermann, Ilona S.; and Tory, Kalman, 4,806,685, Cl. 564-324.000.
- Horvath, Viktor; and Horvath, Kordelia. Ball game device. 4,867,454, 9-19-89, Cl. 273-119.00R.
- Horvei, Knut, to Den Norske Stats Oljeselskap A.S. Mechanism for locking of a cover againt a flange. 4,850,505, 7-25-89, Cl. 220-319.000.
- Horwath, Robert O., to Nabisco Brands, Inc. Method of screening microorganisms for the production of extracellular enzymes. 4,882,273, 11-21-89, Cl. 435-34.000.
- Horwath, Ronald S.; Susko, John R.; and Susko, Robin A., to International Business Machines Corporation. Method of making sloped vias. 4,830,706, 5-16-89, Cl. 156-643.000.
- Horwath, Ronald S.: *See—*
  - Apschel, Morris; Egitto, Frank D.; Horwath, Ronald S.; and Koren, Gad, 4,869,777, Cl. 156-626.000.

- Horwege, Claus: *See—*
  - Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, 4,847,032, Cl. 264-322.000.
  - Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, 4,867,929, Cl. 264-521.000.
- Horwege, J. A.: *See—*
  - Davis, D. G.; Dicks, Lynton W. R.; and Horwege, J. A., 4,805,562, Cl. 122-7.00R.
  - Davis, Drucilla G.; Dicks, Lynton W. R.; and Horwege, J. A., 4,823,741, Cl. 122-7.00R.
- Horwell, David C.; and Johnson, Stephen J., to Warner-Lambert Company. 1,2-diamino-4,5-dimethoxycyclohexyl amide analgesic compounds. 4,855,316, 8-8-89, Cl. 514-422.000.
- Horwitz, E. Philip; and Dietz, Mark L., to Arch Development Corp. Method for the concentration and separation of actinides from biological and environmental samples. 4,835,107, 5-30-89, Cl. 436-82.000.
- Horwitz, E. Philip: *See—*
  - Alexandratos, Spiro D.; Danesi, Pier R.; and Horwitz, E. Philip, 4,879,316, Cl. 521-27.000.
- Horwitz, Lawrence B.: *See—*
  - Rouse, Donald W.; Horwitz, Lawrence B.; and Wiggins, E. Thomas, 4,804,938, Cl. 340-310.00A.
- Horwitz, Michelle. File folder-type place mat and method of using same. 4,806,397, 2-21-89, Cl. 428-14.000.
- Hosaka, Akihito: *See—*
  - Kadowaki, Hidejiro; Hosaka, Akihito; and Matsumoto, Kenichi, 4,812,900, Cl. 358-75.000.
- Hosaka, Hideo: *See—*
  - Hagiwara, Kenji; Ishikawa, Hisao; Hosaka, Hideo; and Inaba, Hideo, 4,812,161, Cl. 71-90.000.
- Hosaka, Kunio: *See—*
  - Kimura, Masayuki; Hosaka, Kunio; Takeda, Shigehumi; and Mitsuhashi, Hiroshi, 4,849,448, Cl. 514-464.000.
- Hosaka, Makoto: *See—*
  - Kimura, Takeo; Seki, Yoshiatsu; Ohkoda, Mitsuru; and Hosaka, Makoto, 4,851,098, Cl. 204-198.000.
- Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, to Canon Kabushiki Kaisha. Sequence controller using pulse counts to activate/deactivate controlled elements. 4,800,482, 1-24-89, Cl. 364-140.000.
- Hosaka, Masao; Hasegawa, Shizuo; and Saito, Takashi, to Canon Kabushiki Kaisha. Image forming apparatus with means for recognizing an original condition. 4,811,047, 3-7-89, Cl. 355-14.00E.
- Hosaka, Masao; and Saito, Takashi, to Canon Kabushiki Kaisha. Image reproducing apparatus. 4,839,699, 6-13-89, Cl. 355-55.000.
- Hosaka, Masao; Shimada, Kazutoshi; and Sakamaki, Hisashi, to Canon Kabushiki Kaisha. Control device for image processing or forming apparatus. 4,857,960, 8-15-89, Cl. 355-208.000.
- Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, to Canon Kabushiki Kaisha. Electronic load drive control apparatus. 4,882,778, 11-21-89, Cl. 364-187.000.
- Hosaka, Masao: *See—*
  - Nakamura, Masanori; Hosaka, Masao; and Inouye, Mutsuhiro, 4,888,616, Cl. 355-202.000.
  - Negishi, Hirokazu; and Hosaka, Masao, 4,870,690, Cl. 381-103.000.
- Hosaka, Masumi: *See—*
  - Yoshida, Eiji; Suzuki, Akio; and Hosaka, Masumi, 4,826,758, Cl. 430-569.000.
- Hosaka, Sumio; and Tamura, Hifumi, to Hitachi, Ltd. Charged particle beam apparatus. 4,835,399, 5-30-89, Cl. 250-492.200.
- Hosaka, Sumio: *See—*
  - Hosoki, Shigeyuki; Hosaka, Sumio; and Takata, Keiji, 4,883,959, Cl. 250-306.000.
  - Takada, Keiji; Okumura, Masahide; Fukuhara, Satoru; Morimura, Toshiyuki; Hosaka, Sumio; and Hosoki, Shigeyuki, 4,841,191, Cl. 310-317.000.
- Hosaka, Takefumi; Arai, Saitama; and Matsui, Hiroki, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle control system and method therefor. 4,809,175, 2-28-89, Cl. 364-424.000.
- Hosaka, Takefumi: *See—*
  - Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Kubota, Shin'ichi; Matsumoto, Yukihiro; Arai, Yasuhisa; and Hosaka, Takefumi, 4,84[illegible],550, Cl. 364-424.100.
- Hosaka, Takemi: *See—*
  - Furukawa, Yasuo; Yamazaki, Katsuyuki; Hosaka, Takemi; and Fukui, Akira, 4,797,931, Cl. 351-56.000.
- Hosaka, Tomiharu: *See—*
  - Kinoda, Akira; Suzuki, Hiroshi; Hosaka, Tomiharu; and Hasegawa, Masanaru, 4,808,437, Cl. 427-130.000.
- Hosaka, Toshiyuki: *See—*
  - Ozawa, Masaki; Hosaka, Toshiyuki; and Yoshizawa, Masayuki, 4,838,707, Cl. 374-171.000.
- Hosan, Hans-Josef; and Poertzgen, Gregor, to Stabilus GmbH. Telescopic appliance. 4,848,524, 7-18-89, Cl. 188-322.170.
- Hosan, Hans-Josef: *See—*
  - Fuhrmann, Castor; Hosan, Hans-Josef; Knopp, Axel; and Wurges, Gerd, 4,830,432, Cl. 297-304.000.
- Hosch, Michael A.: *See—*
  - Dorner, Wolfgang C.; Allen, Michael C.; Wedell, Mark C.; and Hosch, Michael A., 4,861,225, Cl. 414-789.900.
  - Dorner, Wolfgang C.; and Hosch, Michael A., 4,861,226, Cl. 414-790.300.
- Hose America, Inc.: *See—*
  - Campanini, Sergio, 4,852,915, Cl. 285-38.000.
- Hose, Eddy, to United States of America, Air Force. Delay line null command generator test set for sarcalm. 4,860,015, 8-22-89, Cl. 342-168.000.
- Hose Specialties/Capri, Inc.: *See—*
  - Holt, Earl R., 4,830,046, Cl. 137-460.000.
- Hosea, Joel C.: *See—*
  - Hwang, David L.; and Hosea, Joel C., 4,858,817, Cl. 228-122.000.
- Hosegood, David C.; and Hosegood, Samuel B. Line weight or cleat. 4,796,377, 1-10-89, Cl. 43-43.100.
- Hosegood, Samuel B.: *See—*
  - Hosegood, David C.; and Hosegood, Samuel B., 4,796,377, Cl. 43-43.100.
- Hosel, Fritz; Kranefeld, Andreas; and Temburg, Josef, to Trutzschler GmbH & Co., KG. Method and apparatus for operating a bale opener, particularly as a function of the bale height. 4,813,615, 3-21-89, Cl. 241-30.000.
- Hosel, Fritz; and Temburg, Josef, to Trutzachler GmbH & Co., KG. Method and apparatus for operating a bale opener as a function of bale lengths. 4,813,616, 3-21-89, Cl. 241-36.000.
- Hosel, Fritz, to Trutzschler GmbH & Co. KG. Method of calibrating an apparatus for detecting the fill level in a fiber storing device. 4,870,854, 10-3-89, Cl. 73-1.00H.
- Hosel, Fritz: *See—*
  - Leifeld, Ferdinand; and Hosel, Fritz, 4,805,266, Cl. 19-0.200.
- Hosel, Peter: *See—*
  - Koblenzer, Heinz; Hosel, Peter; Staudinger, Franz; and Franke, Klaus, 4,844,743, Cl. 134-11.000.
- Hosemann, Siegfried: *See—*
  - Fischer, Hans-Otto; and Hosemann, Siegfried, 4,795,308, Cl. 415-119.000.
- Hosey, Richard E., to Ashland Oil, Inc. Modulated interior valance system. 4,831,759, 5-23-89, Cl. 40-564.000.
- Hosey, Wayne: *See—*
  - Wagner, Thomas R.; Wentzell, Joseph; and Hosey, Wayne, 4,808,218, Cl. 75-0.50C.
- Hosfeld, Lewis K.: *See—*
  - Bohrn, Walter J.; Brubaker, Richard A.; Garman, Shelly N.; Hosfeld, Lewis K.; Ko, Kenneth K.; and Tymon, Thomas M., 4,877,484, Cl. 162-103.000.
- Hosford, Gregory S., to Sundstrand Corporation. Hot gas generator system. 4,825,650, 5-2-89, Cl. 60-267.000.
- Hosgood, Henry; Banks, Leslie; and Beauford, William, to Bio-Kil Chemicals Limited. Method and apparatus for testing timbers for disconformity or decay. 4,858,469, 8-22-89, Cl. 73-579.000.
- Hoshi, Akimitsu: *See—*
  - Iida, Noriyoshi; Uto, Nobutaka; Hiroi, Masakazu; and Hoshi, Akimitsu, 4,883,265, Cl. 271-220.000.
- Hoshi, Akio, to Canon Denshi Kabushiki Kaisha. Disc driving unit. 4,887,175, 12-12-89, Cl. 360-99.080.
- Hoshi, Hatsuo. Balloon assembly. 4,823,907, 4-25-89, Cl. 181-148.000.
- Hoshi, Hideo: *See—*
  - Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, 4,863,240, Cl. 350-247.000.
- Hoshi, Hiroaki; and Kitagishi, Kozomu, to Canon Kabushiki Kaisha. Optical information reproducing apparatus. 4,886,959, 12-12-89, Cl. 250-201.000.
- Hoshi, Junji: *See—*
  - Wakita, Saburo; and Hoshi, Junji, 4,867,224, Cl. 164-80.000.
  - Wakita, Saburo; and Hoshi, Junji, 4,874,577, Cl. 420-417.000.
- Hoshi, Katsuhiko: *See—*
  - Aoki, Ken; Hoshi, Katsuhiko; Satoh, Shigeo; Kakinuma, Mitsuru; Togashi, Shigeru; and Saitoh, Hiromi, 4,860,550, Cl. 62-135.000.
- Hoshi, Katsumasa; Nomura, Yukihiro; Kamei, Ryosuke; Shibano, Hiroshi; and Banba, Takeshi, to Showa Denko Kabushiki Kaisha. Telescopic drinking straw. 4,850,533, 7-25-89, Cl. 239-33.000.
- Hoshi, Kazunori, to Ricoh Company, Ltd. Node apparatus for communication network having multi-conjunction architecture. 4,815,070, 3-21-89, Cl. 370-60.000.
- Hoshi, Kazunori, to Ricoh Company, Ltd. Node apparatus for communication network having multi-conjunction architecture. 4,843,605, 6-27-89, Cl. 370-60.000.
- Hoshi, Kazunori, to Ricoh Company, Ltd. Communication system employing multi-conjunction architecture. 4,858,228, 8-15-89, Cl. 370-60.000.
- Hoshi, Kazuo; and Nakagawa, Yasuo, to Sumitomo Bakelite Company Limited. Flame-retardant olefinic resin composition. 4,801,639, 1-31-89, Cl. 524-112.000.
- Hoshi, Mitsunori: *See—*
  - Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,823,834, Cl. 137-596.140.
  - Ariizumi, Ryozo; Kainuma, Masakuni; Aoki, Toshikazu; Suda, Shoji; Hoshi, Mitsunori; and Ejiri, Takashi, 4,840,347, Cl. 251-63.400.
  - Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,875,500, Cl. 137-596.180.
- Hoshi, Nobuyoshi; Anzai, Masayasu; Komatsu, Isamu; and Akimaru, Susumu, to Hitachi, Ltd. Method for forming multi-color toner image. 4,822,702, 4-18-89, Cl. 430-42.000.
- Hoshi, Norio; Yamaguchi, Tetsuro; Okada, Yasuhiro; and Matsukawa, Takao, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 4,881,614, 11-21-89, Cl. 180-225.000.
- Hoshi, Satoshi: *See—*
  - Kitatani, Katsugi; and Hoshi, Satoshi, 4,871,637, Cl. 430-77.000.

Kitatani, Katsugi; and Hoshi, Satoshi, 4,882,249, Cl. 430-56.000.
Hoshi, Seiji: *See—*
Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, 4,863,240, Cl. 350-247.000.
Hoshi, Takao; and Morita, Keiichi, to Kabushiki Kaisha Toshiba. Regenerative refrigeration cycle apparatus and control method therefor. 4,869,074, 9-26-89, Cl. 62-238.700.
Hoshi, Tohru: *See—*
Mizuhara, Noboru; Hoshi, Tohru; Kashio, Jiro; and Morita, Takashi, 4,837,816, Cl. 379-221.000.
Hoshi, Toshiharu: *See—*
Suzuki, Kunio; and Hoshi, Toshiharu, 4,847,981, Cl. 29-594.000.
Hoshi, Toshio, to Komori Printing Machinery Co., Ltd. Slip sheet insertion-delivery apparatus for sheet-fed printing press. 4,846,064, 7-11-89, Cl. 101-419.000.
Hoshi, Yoshikazu: *See—*
Hara, Seiichiro; and Hoshi, Yoshikazu, 4,854,284, Cl. 123-414.000.
Takano, Yoshiya; and Hoshi, Yoshikazu, 4,817,569, Cl. 123-470.000.
Hoshida, Shigehiro: *See—*
Nakanishi, Toru; Hoshida, Shigehiro; and Ueno, Susumu, 4,824,717, Cl. 428-255.000.
Hoshide, Fumitoshi: *See—*
Yamamoto, Shinobu; Hoshide, Fumitoshi; Takeuchi, Michikazu; Kotani, Shou; and Yasuda, Sumihiro, 4,874,924, Cl. 219-274.000.
Hoshihara, Naoto: *See—*
Yasuda, Hiroshi; Furuya, Sadao; Hoshihara, Naoto; Yamaguchi, Takashi; Takahashi, Katsuhiro; and Ishii, Teruaki, 4,805,277, Cl. 29-2.000.
Hoshii, Yasunari: *See—*
Tsuchiya, Sohji; Kojima, Toshikuni; Kudoh, Yasuo; Yoshimura, Susumu; Hoshii, Yasunari; and Itoh, Hirohiko, 4,828,738, Cl. 252-62.200.
Hoshika, Akira: *See—*
Tamamura, Toshio; Hoshika, Akira; and Hiwada, Kiyoyasu, 4,833,403, Cl. 324-158.00R.
Hoshika, Norihisa: *See—*
Kinoshita, Masahide; Tajima, Hatsuo; Hoshika, Norihisa; Tajika, Hiroshi; and Hosoi, Atsushi, 4,887,131, Cl. 355-253.000.
Tajima, Hatsuo; Hosoi, Atsushi; Hoshika, Norihisa; Tajika, Hiroshi; and Kinoshita, Masahide, 4,873,551, Cl. 355-251.000.
Hoshikawa, Hiroshi: *See—*
Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi; Toyoshi, Takanori; and Uede, Toshio, 4,877,558, Cl. 252-626.000.
Hoshikawa, Keigo: *See—*
Kawasaki, Akihisa; Kotani, Toshihiro; Nakai, Ryusuke; Miyazawa, Shintaro; and Hoshikawa, Keigo, 4,863,554, Cl. 156-617.100.
Hoshikawa, Masao: *See—*
Yano, Koji; Watanabe, Minoru; Kyoto, Michihisa; and Hoshikawa, Masao, 4,804,393, Cl. 65-3.120.
Hoshiko, Tomonori: *See—*
Oinuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.
Hoshimi, Masakatsu; and Niyada, Katsuyuki, to Matsushita Electric Industrial Co., LTD. Method and apparatus for speech recognition. 4,817,159, 3-28-89, Cl. 381-43.000.
Hoshin Kagaku Sangyosho Co., Ltd.: *See—*
Koji, Masashi, 4,836,140, Cl. 118-722.000.
Hoshina, Yuichiro, to NEC Corporation. Display terminal for a videophone. 4,856,045, 8-8-89, Cl. 379-53.000.
Hoshino, Akira; Saji, Mikio; and Fujii, Shigeaki, to Dainichiseika Color & Chemicals Mfg. Co., Ltd. Deodorizing coating formulations and deodorizing sheets making use of same. 4,863,987, 9-5-89, Cl. 524-293.000.
Hoshino, Akira; Saji, Mikio; and Yamaguchi, Isamu, to Dainichiseika Color & Chemicals Mfg. Co., Ltd. Deodorizing polyolefin resin compositions and formed deodorizing articles containing a mixture of a zinc compound and a sulfate of aluminum. 4,880,852, 11-14-89, Cl. 523-102.000.
Hoshino, Akira: *See—*
Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.
Hoshino, Chie, legal representative: *See—*
Hoshino, Kunihisa, deceased; Hamanishi, Yoshinari; and Utagawa, Ken, 4,841,325, Cl. 354-402.000.
Utagawa, Ken; and Hoshino, Kunihisa, deceased, 4,816,663, Cl. 250-201.000.
Hoshino, Eiichi: *See—*
Suzuki, Akira; Ito, Susumu; Okamoto, Kikuhiko; Hoshino, Eiichi; Yokosuka, Michio; and Murata, Moriyasu, 4,822,516, Cl. 252-174.120.
Hoshino Gakki Co., Ltd.: *See—*
Hoshino, Yoshihiro, 4,796,508, Cl. 84-421.000.
Hoshino, Yoshihiro, 4,811,646, Cl. 84-313.000.
Hoshino, Yoshihiro, 4,829,874, Cl. 84-421.000.
Hoshino, Yoshihiro, 4,843,943, Cl. 84-327.000.
Hoshino, Yoshihiro, 4,846,040, Cl. 84-422.100.
Hoshino, Yoshihiro; and Sugiyama, Taisei, 4,850,258, Cl. 84-413.000.
Hoshino, Yoshihiro, 4,869,147, Cl. 84-421.000.
Hoshino, Hiroaki: *See—*
Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kouchiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, 4,828,855, Cl. 426-241.000.
Hoshino, Hiroo: *See—*
Shimada, Nobuyoshi; Tomizawa, Takayuki; Hasegawa, Shigeru; Matsuo, Kaoru; Fujii, Akio; and Hoshino, Hiroo, 4,845,215, Cl. 544-265.000.
Hoshino, Hiroyasu: *See—*
Sueda, Norio; and Hoshino, Hiroyasu, 4,859,275, Cl. 156-541.000.
Hoshino, Hiroyuki: *See—*
Kanno, Seizo, 4,858,586, Cl. 123-620.000.
Hoshino, Kazuo; Miyakusu, Katsuhisa; and Shimizu, Isami, to Nisshin Steel Co., Ltd. P-added ferritic stainless steel having excellent formability and secondary workability. 4,824,635, 4-25-89, Cl. 420-42.000.
Hoshino, Kazuo; Hirotsu, Sadao; and Nakamura, Sadayuki, to Nisshin Steel Company, Ltd. High strength stainless steel. 4,849,166, 7-18-89, Cl. 420-58.000.
Hoshino, Kazuo; and Igawa, Takashi, to Nisshin Steel Company, Ltd. Process for preparing a high strength stainless steel having excellent workability and free form weld softening. 4,878,955, 11-7-89, Cl. 148-12.00E.
Hoshino, Kazuo: *See—*
Hirotsu, Sadao; Hoshino, Kazuo; and Nakamura, Sadayuki, 4,847,168, Cl. 428-634.000.
Ohzora, Takashi; Otsuka, Yoshio; and Hoshino, Kazuo, 4,808,275, Cl. 204-16.000.
Hoshino, Kimie: *See—*
Iwagaki, Masaru; Masukawa, Toyoaki; Komamura, Tawara; Ishikawa, Wataru; and Hoshino, Kimie, 4,840,870, Cl. 430-201.000.
Hoshino, Kiyoshi: *See—*
Yasuki, Seijiro; and Hoshino, Kiyoshi, 4,855,815, Cl. 358-31.000.
Hoshino, Koji; Nouda, Fumio; and Yahata, Seiro, to Mitsubishi Kinzoku Kabushiki Kaisha; and Mitsubishi Electric Corporation. Powdery raw material for manufacturing anodes of fuel cells. 4,828,613, 5-9-89, Cl. 75-251.000.
Hoshino, Kunihisa, deceased (by Hoshino, Chie, legal representative); Hamanishi, Yoshinari; and Utagawa, Ken, to Nikon Corporation. Automatic focusing device for camera. 4,841,325, 6-20-89, Cl. 354-402.000.
Hoshino, Kunihisa, deceased: *See—*
Utagawa, Ken; and Hoshino, Kunihisa, deceased, 4,816,663, Cl. 250-201.000.
Hoshino, Makoto: *See—*
Shinohara, Masayori; Motomatsu, Tsutomu; and Hoshino, Makoto, 4,852,073, Cl. 369-32.000.
Hoshino, Masahiko. Process for preparing laser knife. 4,832,979, 5-23-89, Cl. 427-38.000.
Hoshino, Masato: *See—*
Sato, Yoneji; Hoshino, Masato; Kitazawa, Seiichi; and Yasuda, Tadashi, 4,888,269, Cl. 430-280.000.
Hoshino, Michio: *See—*
Mayumi, Etsuo; Hoshino, Michio; and Kase, Mitsu, 4,806,811, Cl. 310-89.000.
Hoshino, Minoru: *See—*
Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.
Uchino, Kazuhiro; Watanabe, Toshio; Nakazato, Yoshio; Hoshino, Minoru; Yamamoto, Akira; and I, Kanji, 4,830,836, Cl. 423-139.000.
Hoshino, Mitsuru; Yusa, Haruhiko; and Suzuki, Katsumi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Polyvinyl chloride resin composition. 4,857,592, 8-15-89, Cl. 525-82.000.
Hoshino, Osamu; and Chiku, Kazuyoshi, to Canon Kabushiki Kaisha. Image forming apparatus. 4,803,515, 2-7-89, Cl. 355-4.000.
Hoshino, Osamu: *See—*
Sugiura, Susumu; and Hoshino, Osamu, 4,819,063, Cl. 358-75.000.
Uchida, Takashi; Hoshino, Osamu; Chiku, Kazuyoshi; Murayama, Yasushi; and Matsuzawa, Kunihiko, 4,816,844, Cl. 346-160.000.
Hoshino, Ryoichi; Sasaki, Hironaka; and Yasutake, Takayuki, to Showa Aluminum Kabushiki Kaisha. Condenser for use in a car cooling system. 4,825,941, 5-2-89, Cl. 165-110.000.
Hoshino, Ryoichi: *See—*
Sasaki, Hironaka; and Hoshino, Ryoichi, 4,815,532, Cl. 165-152.000.
Hoshino, Seiichi; Tamura, Yasuji; Akabane, Hidemitsu; and Isobe, Toshimi, to Sanden Corporation. Measuring circuit for use in device for detecting ambient air temperature. 4,832,258, 5-23-89, Cl. 236-13.000.
Hoshino, Seiichi: *See—*
Akabane, Hidemitsu; Isobe, Toshimi; and Hoshino, Seiichi, 4,834,283, Cl. 236-13.000.
Akabane, Hidemitsu; Isobe, Toshimi; and Hoshino, Seiichi, 4,840,308, Cl. 236-13.000.
Hoshino, Shigeru: *See—*
Muramatsu, Tadao; Hoshino, Shigeru; Suzuki, Kenichi; and Yamamuro, Shinichi, 4,884,468, Cl. 74-502.400.
Hoshino, Takayuki: *See—*
Umegai, Shigehiro; Noguchi, Teruhisa; Morita, Hirobumi; Uehara, Takashi; and Hoshino, Takayuki, 4,885,833, Cl. 29-407.000.
Hoshino, Tatsuyuki: *See—*
Ikeda, Hayato; Hoshino, Tatsuyuki; and Sawada, Masahiro, 4,863,356, Cl. 417-269.000.

Hoshino, Yasushi; and Makino, Masamori, to Konishiroku Photo Industry Co., Ltd. Focal length switching type camera. 4,839,677, 6-13-89, Cl. 354-195.100.
Hoshino, Yasushi, to Konica Corporation. Camera with battery check circuit. 4,855,781, 8-8-89, Cl. 354-468.000.
Hoshino, Yasushi: *See—*
Nakanishi, Kazuhiro; and Hoshino, Yasushi, 4,821,059, Cl. 354-400.000.
Sawamura, Masataka; and Hoshino, Yasushi, 4,823,157, Cl. 354-403.000.
Yamada, Minoru; Ito, Eiji; Miyama, Kenji; Sawamura, Masataka; Hoshino, Yasushi; and Makino, Masamori, 4,841,323, Cl. 354-430.000.
Hoshino, Yoshihiro, to Hoshino Gakki Co., Ltd. Musical instrument support fixture. 4,796,508, 1-10-89, Cl. 84-421.000.
Hoshino, Yoshihiro, to Hoshino Gakki Co., Ltd. Holding structure for the tremolo of a guitar. 4,811,646, 3-14-89, Cl. 84-313.000.
Hoshino, Yoshihiro, to Hoshino Gakki Co., Ltd. Support for bass drums. 4,829,874, 5-16-89, Cl. 84-421.000.
Hoshino, Yoshihiro, to Hoshino Gakki Co., Ltd. Strap connection for a guitar or stringed instrument. 4,843,943, 7-4-89, Cl. 84-327.000.
Hoshino, Yoshihiro, to Hoshino Gakki Co., Ltd. Spring tension adjustment and indicator for a high hat stand. 4,846,040, 7-11-89, Cl. 84-422.100.
Hoshino, Yoshihiro; and Sugiyama, Taisei, to Hoshino Gakki Co., Ltd. Snare drum head with odd number of attachment bolts. 4,850,258, 7-25-89, Cl. 84-413.000.
Hoshino, Yoshihiro, to Hoshino Gakki Co., Ltd. Attachment of support leg for base drum. 4,869,147, 9-26-89, Cl. 84-421.000.
Hoshino, Yoshihiro: *See—*
Nagasawa, Kiyoshi; Ono, Kozo; Ogata, Kojiro; Murayama, Ken; and Hoshino, Yoshihiro, 4,888,878, Cl. 33-573.000.
Hoshino, Yoshinori: *See—*
Ishikawa, Hiroshi; Takano, Hiroshi; Ohtomo, Ryosuke; Hoshino, Yoshinori; and Ohyama, Taro, 4,861,647, Cl. 428-216.000.
Hoshino, Yukio: *See—*
Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,817,572, Cl. 123-492.000.
Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,831,987, Cl. 123-488.000.
Nakaniwa, Shinpei; Otani, Seiichi; Hamada, Toru; Osaki, Masanobu; Hoshino, Yukio; and Tomisawa, Naoki, 4,889,100, Cl. 123-492.000.
Hoshinouchi, Susumu: *See—*
Zamoto, Nobuyuki; Sakamoto, Masahiko; and Hoshinouchi, Susumu, 4,879,473, Cl. 250-492.200.
Hoshiro, Takeshi; Matsuo, Mu; and Takano, Hiroshi, to Mitsuboshi Belting, Ltd. Power transmission belt. 4,798,567, 1-17-89, Cl. 474-242.000.
Hoshiya, Takayuki: *See—*
Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
Hoshizaki Denki Kabushiki Kaisha: *See—*
Suyama, Tomio; Yatori, Masahide; and Fujita, Tokiyo, 4,827,732, Cl. 62-233.000.
Torimitsu, Hiroshi; Takeda, Yukimasa; and Tsuchikawa, Koji, 4,838,702, Cl. 366-149.000.
Hoshizaki Electric Co., Ltd.: *See—*
Hara, Yasuo, 4,800,729, Cl. 62-185.000.
Kito, Yoshikazu; Ishikawa, Toshihiko; and Tatematsu, Susumu, 4,817,827, Cl. 222-238.000.
Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, 4,846,381, Cl. 222-638.000.
Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, 4,850,202, Cl. 62-195.000.
Naruse, Nobutaka; and Minari, Katsunobu, 4,854,130, Cl. 62-352.000.
Sakai, Tadashi; Ogata, Shozo; and Naruse, Nobutaka, 4,869,076, Cl. 62-347.000.
Suyama, Koji; and Yoshida, Akiyoshi, 4,811,997, Cl. 312-228.000.
Takeda, Yukimasa; and Wakatuki, Yuji, 4,812,622, Cl. 219-400.000.
Yoshida, Kazuhiro, 4,831,834, Cl. 62-156.000.
Yoshida, Kazuhiro; and Ohta, Hideji, 4,862,706, Cl. 62-347.000.
Hoshizaki, Hiroki; Oyobe, Kazuo; Suzuki, Hirofumi; Kawahara, Nobuaki; Niwa, Hitoshi; and Kageyama, Terutaka, to Nippondenso Co., Ltd. Ceramic heater apparatus with metal electrodes. 4,803,345, 2-7-89, Cl. 219-553.000.
Hoshizaki, Hiroki: *See—*
Kawahara, Nobuaki; Hoshizaki, Hiroki; Suzuki, Hirofumi; Kobayashi, Kiyomi; Ohkawa, Makoto; and Asano, Mitsuru, 4,829,029, Cl. 501-108.000.
Hoshizaki, Thomas B.; Hall, Kenneth; and Bourque, Rene, to Warrington, Inc. Skate boot. 4,835,885, 6-6-89, Cl. 36-115.000.
Hosiden Electronics Co., Ltd.: *See—*
Aoki, Shigeo; and Ukai, Yasuhiro, 4,864,376, Cl. 357-23.710.
Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, 4,867,537, Cl. 350-339.00F.
Aoki, Shigeo; Ukai, Yasuhiro; and Matsushita, Yasuhiro, 4,869,576, Cl. 350-336.000.
Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, 4,881,797, Cl. 350-339.00F.
Hanajima, Tadashi, and Kato, Tatsuo, 4,864,085, Cl. 200-5.00A.
Inaba, Hirobumi; and Nishikawa, Yasunori, 4,822,301, Cl. 439-436.000.
Iwashita, Masanori, 4,846,719, Cl. 439-63.000.
Kakuta, Toshio; and Nagano, Hiroyuki, 4,874,912, Cl. 200-16.00D.
Komatsu, Yasuhiro, 4,802,728, Cl. 350-96.200.
Komatsu, Yasuhiro, 4,810,203, Cl. 439-326.000.
Komatsu, Yasuhiro, 4,810,210, Cl. 439-610.000.
Komatsu, Yasuhiro, 4,854,895, Cl. 439-610.000.
Komatsu, Yasuhiro, 4,859,199, Cl. 439-267.000.
Ohbayashi, Yoshiaki; Hashimoto, Kunio; Sakurai, Katsumi; and Noma, Hiroyuki, 4,859,888, Cl. 310-68.00R.
Sorimachi, Mitsuo, 4,824,402, Cl. 439-680.000.
Tajima, Kyousuke; Itoi, Goro; and Sorimachi, Mitsuo, 4,838,815, Cl. 439-841.000.
Tajima, Kyousuke, 4,885,438, Cl. 200-51.090.
Tanaka, Masanori, 4,875,872, Cl. 439-364.000.
Toramoto, Hisao; and Yagi, Tadashi, 4,859,197, Cl. 439-675.000.
Ukai, Yasuhiro, 4,810,060, Cl. 350-333.000.
Ukai, Yasuhiro; and Aoki, Shigeo, 4,849,797, Cl. 357-237.000.
Yasui, Masaru, 4,822,142, Cl. 350-332.000.
Yoshino, Katsumi; and Shigeno, Yasuhiro, 4,836,653, Cl. 350-341.000.
Hosie, Alan P. Dual mode diesel electric power system for vehicles. 4,853,553, 8-1-89, Cl. 290-40.00C.
Hosier, James C.: *See—*
Mankins, William L.; Harris, Jerry A.; Hosier, James C.; and Kenny, Raymond J., 4,816,218, Cl. 420-584.000.
Hosier, Kenneth E., Jr.: *See—*
Hoenniger, John C., III; and Hosier, Kenneth E., Jr., 4,885,538, Cl. 324-312.000.
Hoskin, Dennis H.; and Shu, Paul, to Mobil Oil Corporation. Cross-linked polyvinyl alcohols and oil reservoir permeability control therewith. 4,859,717, 8-22-89, Cl. 523-130.000.
Hoskin, William J.: *See—*
Thorpe, Michael; Hoskin, William J.; and Brown, Leslie, 4,824,792, Cl. 436-177.000.
Hosking, Jeannette T. Drinking-beaker assembly. 4,877,119, 10-31-89, Cl. 206-459.000.
Hosking, Stephen G.: *See—*
Livingston, James W.; Cassady, Henry W., Jr.; Hosking, Stephen G.; Warner, Thomas J.; and Moreland, Gary D., 4,848,381, Cl. 134-57.00R.
Hosking, Steven M.; and Calverley, Simon G., to De La Rue Systems, Ltd. Sheet feeding apparatus. 4,813,658, 3-21-89, Cl. 271-10.000.
Hosking, Steven M.; and Calverley, Simon G., to De La Rue Systems Ltd. Sheet feeding apparatus. 4,867,431, 9-19-89, Cl. 271-3.000.
Hosking, Steven M.: *See—*
Martin, Harvey G.; Pilling, Roger; and Hosking, Steven M., 4,798,316, Cl. 232-43.100.
Martin, Harvey G.; Pilling, Roger; and Hosking, Steven M., 4,854,570, Cl. 271-162.000.
Hoskins, Matthew W.: *See—*
Giesy, Jerry D.; Hermann, George D.; and Hoskins, Matthew W., 4,798,193, Cl. 128-7.000.
Giesy, Jerry D.; Hoskins, Matthew W.; and Hermann, George D., 4,824,435, Cl. 604-49.000.
Hoskins, Michael K., to Ciba Corning Diagnostics Corp. Stabilized isoenzyme control products. 4,883,762, 11-28-89, Cl. 436-18.000.
Hoskinson, Gordon H. Secondary combustion chamber for an incinerator. 4,883,003, 11-28-89, Cl. 110-212.000.
Hoskinson, Marlin J.; Lorincz, Eugene M.; and Samson, George W., to Moore Push-Pin Company. Hanging device. 4,871,140, 10-3-89, Cl. 248-496.000.
Hosler, Brad W.: *See—*
Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli, John L., 4,829,425, Cl. 364-200.000.
Hosler, Michael J.: *See—*
Holmes, J. Fred; Hunt, John M.; Draper, Douglas C.; Cloninger, Todd L.; Mersereau, Tom R.; and Hosler, Michael J., 4,806,729, Cl. 219-121.630.
Hosman, Reo, to Osppco, Inc. Universal mounting post assembly. 4,852,834, 8-1-89, Cl. 248-156.000.
Hosoba, Hiroyuki: *See—*
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,856,015, Cl. 372-50.000.
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; Hosoba, Hiroyuki; Takiguchi, Haruhisa; and Kudo, Hiroaki, 4,872,174, Cl. 372-45.000.
Morimoto, Taiji; Hosoba, Hiroyuki; Matsumoto, Mitsuhiro; Taneya, Mototaka; and Matsui, Sadayoshi, 4,878,223, Cl. 372-50.000.
Taneya, Mototaka; Takahashi, Kosei; Hayakawa, Toshiro; Matsui, Sadayoshi; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,890,293, Cl. 372-46.000.
Hosobuchi, Masato: *See—*
Yamada, Fumiaki; and Hosobuchi, Masato, 4,796,267, Cl. 372-38.000.
Hosoda, Hiroshi: *See—*
Aso, Toshiyuki; and Hosoda, Hiroshi, 4,880,957, Cl. 219-69.120.
Hosoda, Kenichiro; Kawaguchi, Shinji; Shinbo, Atsushi; and Yokota, Kiyoshi, to Oki Electric Industry Co., Ltd. ADPCM encoding and decoding circuits. 4,860,315, 8-22-89, Cl. 375-30.000.
Hosoda, Makoto, to Hamamatsu Photonics Kabushiki Kaisha. Neighbor image processing device. 4,807,297, 2-21-89, Cl. 382-27.000.

Hosoda, Masahiro; Sasaki, Kazuaki; Kondo, Masaki; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor laser device. 4,860,299, 8-22-89, Cl. 372-46.000.

Hosoda, Naoyuki; Tanaka, Masayuki; and Mori, Tamotsu, to Mitsubishi Kinzoku Kabushiki Kaisha. Fine gold alloy wire for bonding of a semi-conductor device. 4,885,135, 12-5-89, Cl. 420-507.000.

Hosoda, Rokuro. Golf club. 4,878,666, 11-7-89, Cl. 273-79.000.

Hosoda, Takuo: *See*—
  Fukuzuka, Toshio; Shimogori, Kazutoshi; Torii, Yasushi; Kitahata, Kohjiro; and Hosoda, Takuo, 4,851,054, Cl. 148-12.00F.

Hosoda, Takuya; Adachi, Shoji; and Kudo, Atsushi, to Ando Electric Co., Ltd. Radiation characteristic measuring apparatus for laser diode. 4,798,950, 1-17-89, Cl. 250-214.00A.

Hosoda, Tomohiko; Nakanishi, Nobuyasu; Shibata, Hirochika; and Saito, Tadao, to Toyota Jidosha Kabushiki Kaisha; and Aisin Seiki Kabushiki Kaisha. Device for detecting leakage of precharged gas from gas-type accumulator. 4,870,390, 9-26-89, Cl. 340-453.000.

Hosoda, Tomohiko: *See*—
  Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,834,468, Cl. 303-116.000.
  Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,842,344, Cl. 303-117.000.
  Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,846,535, Cl. 303-117.000.
  Makino, Nobuhiko; Tamura, Kimio; Miyazaki, Hiroharu; Hosoda, Tomohiko; and Nakagawa, Fumio, 4,880,282, Cl. 303-116.000.

Hosoe, Katsuharu; Itoh, Teruyoshi; Tachi, Ryosuke; and Nojiri, Takao, to Nippondenso Co., Ltd. Ignition timing control system for internal combustion engines. 4,883,033, 11-28-89, Cl. 123-335.000.

Hosoe, Kazunori: *See*—
  Kano, Fumihiko; Yamane, Takehiko; Yamashita, Katsuji; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,859,661, Cl. 514-183.000.
  Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.

Hosoe, Kazuya: *See*—
  Tsunekawa, Tokuichi; Date, Nobuaki; Aizawa, Hiroshi; Hosoe, Kazuya; and Urushibara, Kazunori, 4,823,200, Cl. 358-335.000.

Hosoe, Takashi, to Ikeda Bussan Co., Ltd. Walk-in mechanism in seat assembly. 4,822,101, 4-18-89, Cl. 297-379.000.

Hosogai, Daijiro: *See*—
  Ishikawa, Kiyoe; Kubo, Kakuro; Kurokawa, Hitoshi; Hosogai, Daijiro; and Takenaka, Hirokazu, 4,799,622, Cl. 239-102.200.

Hosogoe, Junichi, to Alps Electric Co., Ltd. X-Y direction input device. 4,806,917, 2-21-89, Cl. 340-710.000.

Hosogoe, Junichi: *See*—
  Ida, Yuichi; and Hosogoe, Junichi, 4,797,665, Cl. 340-710.000.

Hosoi, Akio: *See*—
  Kaga, Koichi; Hosoi, Akio; and Yamaguchi, Takao, 4,872,364, Cl. 74-484.00H.

Hosoi, Atsushi; and Tajima, Hatsuo, to Canon Kabushiki Kaisha. Developing apparatus. 4,838,200, 6-13-89, Cl. 118-658.000.

Hosoi, Atsushi: *See*—
  Kinoshita, Masahide; Tajima, Hatsuo; Hoshika, Norihisa; Tajika, Hiroshi; and Hosoi, Atsushi, 4,887,131, Cl. 355-253.000.
  Tajima, Hatsuo; Hosoi, Atsushi; Hoshika, Norihisa; Tajika, Hiroshi; and Kinoshita, Masahide, 4,873,551, Cl. 355-251.000.

Hosoi, Hiroomi: *See*—
  Shindo, Seizin; Hosoi, Hiroomi; and Shinmoto, Masaki, 4,795,690, Cl. 430-109.000.

Hosoi, Keiji, to Suzuki Jidosha Kogyo Kabushiki Kaisha. Air distribution apparatus for use with an internal combustion engine. 4,856,464, 8-15-89, Cl. 123-52.00M.

Hosoi, Kohei: *See*—
  Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.

Hosoi, Masaaki; Nishioka, Ryo; Hioki, Yoshio; Iida, Yoshiaki; Takeshita, Hiroshi; Niiyama, Kenji; and Hidaka, Yusuke, to Banyu Pharmaceutical Co., Ltd. Anti-ulcer substituted pyridine derivatives. 4,839,353, 6-13-89, Cl. 514-212.000.

Hosoi, Masayuki: *See*—
  Ando, Hitoshi; Kashiwazaki, Takashi; and Hosoi, Masayuki, 4,831,563, Cl. 364-571.050.
  Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, 4,837,700, Cl. 364-449.000.
  Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, 4,890,233, Cl. 364-457.000.
  Fukushima, Atsuhiko; Kashiwazaki, Takashi; Hosoi, Masayuki; and Ando, Hitoshi, 4,807,157, Cl. 364-521.000.

Hosoi, Mitsuo: *See*—
  Matsuda, Tomoo; Hosoi, Mitsuo; Nishi, Yohkichi; and Yoshikawa, Eiji, 4,866,617, Cl. 364-424.020.
  Suzuki, Toru; Kato, Atsuhiko; Hosoi, Mitsuo; and Nakano, Ichiro, 4,862,047, Cl. 318-587.000.

Hosoi, Noriyuki, to Fuji Photo Film Co., Ltd. Electrophotographic encapsulated pressure fixable toner particles with electroconductive powder coating. 4,803,144, 2-7-89, Cl. 430-106.600.

Hosoi, Noriyuki, to Fuji Photo Film Co., Ltd. Toner for use in electrostatography. 4,869,990, 9-26-89, Cl. 430-110.000.

Hosoi, Noriyuki, to Fuji Photo Film Co., Ltd. Encapsulated electrostatographic toner and method for use thereof. 4,877,708, 10-31-89, Cl. 430-126.000.

Hosoi, Shuichi; and Fujimoto, Sachito, to Honda Giken Kogyo Kabushiki Kaisha. Air-fuel ratio feedback control method for internal combustion engines. 4,858,581, 8-22-89, Cl. 123-489.000.

Hosoi, Sugao; and Akutsu, Hiromichi, to Kabushiki Kaisha Toshiba. Illuminance controller for light source and endoscope including the same. 4,834,071, 5-30-89, Cl. 128-6.000.

Hosoi, Toshio; and Watanabe, Kazuhiro, to G-C Dental Industrial Corp. Phosphonic acid derivative based agents for cleaning and dissolving tartar of removable oral prostheses. 4,851,146, 7-25-89, Cl. 252-102.000.

Hosoi, Yuichi; and Miyahara, Junji, to Fuji Photo Film Co., Ltd. Method for detecting radiation image. 4,803,359, 2-7-89, Cl. 250-327.200.

Hosoi, Yuichi; Takahashi, Kenji; and Mori, Nobufumi, to Fuji Photo Film Co., Ltd. Apparatus for recording and reproducing image produced by an electron microscope including an optical filter and a deflecting element. 4,851,677, 7-25-89, Cl. 250-327.200.

Hosoi, Yuichi; Arakawa, Satoshi; Ishizaka, Hideo; Matsuda, Terumi; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Image read-out apparatus. 4,864,134, 9-5-89, Cl. 250-327.200.

Hosoi, Yuichi; Takahashi, Kenji; Mori, Nobufumi; and Noguchi, Masaru, to Fuji Photo Film Co., Ltd. Apparatus for recording and reproducing images produced by an electron microscope. 4,866,274, 9-12-89, Cl. 250-327.200.

Hosoi, Yuichi; and Takahaski, Kenji, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus using a fluorescent light guide. 4,873,438, 10-10-89, Cl. 250-327.200.

Hosoi, Yuichi; Arakawa, Satoshi; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Radiation image storage panel and process for the preparation of the same. 4,879,202, 11-7-89, Cl. 430-139.000.

Hosoi, Yuichi; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,880,987, 11-14-89, Cl. 250-484.100.

Hosoi, Yuichi; and Miyahara, Junji, to Fuji Photo Film Co., Ltd. Method and apparatus for recording and reproducing electron microscope image. 4,889,990, 12-26-89, Cl. 250-327.200.

Hosoi, Yuichi: *See*—
  Arakawa, Satoshi; Hosoi, Yuichi; Takahashi, Kenji; Tamura, Kaoru; and Satome, Shigeru, 4,883,961, Cl. 250-327.200.
  Katoh, Takayuki; Hosoi, Yuichi; and Takahashi, Kenji, 4,871,474, Cl. 252-301.40H.
  Mori, Nobufumi; Hosoi, Yuichi; and Takahashi, Kenji, 4,851,676, Cl. 250-327.200.
  Shimura, Kazuo; Mori, Nobufumi; Saotome, Shigeru; Yoshimura, Ryoichi; Watanabe, Hideo; and Hosoi, Yuichi, 4,835,386, Cl. 250-327.200.
  Sunagawa, Hiroshi; Kawajiri, Kazuhiro; Nozaki, Nobuharu; Hosoi, Yuichi; and Takahashi, Kenji, 4,816,679, Cl. 250-327.200.
  Takahashi, Kenji; Nakamura, Takashi; and Hosoi, Yuichi, 4,876,161, Cl. 428-691.000.

Hosoi, Yutaka: *See*—
  Kobayashi, Akihiro; Fujita, Toshiyuki; Saito, Takayuki; Kawa, Hiromasa; Hosoi, Yutaka; and Shibata, Hideaki, 4,868,261, Cl. 526-262.000.

Hosokai, Tetsushi: *See*—
  Kamise, Katsuya; Yamamoto, Shigeru; Hosokai, Tetsushi; and Miyamoto, Koji, 4,856,481, Cl. 123-425.000.

Hosokawa, Chikara: *See*—
  Ogawa, Fukushige; Motegi, Chiaki; and Hosokawa, Chikara, 4,868,865, Cl. 379-100.000.

Hosokawa, Hidehiko, to Toray Silicone Company, Ltd. Method for treating activated silicon powder. 4,824,652, 4-25-89, Cl. 423-344.00

Hosokawa, Hideki: *See*—
  Ogasawara, Takayuki; Wakasa, Akinori; Hosokawa, Hideki; Machida, Minoru; and Kondo, Itsuo, 4,809,654, Cl. 123-271.000.

Hosokawa, Hiroshi: *See*—
  Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamai, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoe; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
  Katayama, Akihiro; Ohsawa, Hidefumi; Sunohara, Izuru; Hosokawa, Hiroshi; and Yoshimoto, Masahiko, 4,878,125, Cl. 358-443.000.
  Ohsawa, Hidefumi; Katayama, Akihiro; Hosokawa, Hiroshi; Sunohara, Izuru; and Yoshimoto, Masahiko, 4,876,610, Cl. 358-443.000.

Hosokawa, Hitoshi: *See*—
  Iwasaki, Tetsuji; and Hosokawa, Hitoshi, 4,812,158, Cl. 71-44.1
  Iwasaki, Tetsuji; and Hosokawa, Hitoshi, 4,888,049, Cl. 71-94.0

Hosokawa, Isao: *See*—
  Miyafuji, Motohisa; and Hosokawa, Isao, 4,822,562, Cl. 420-472.000.

Hosokawa, Kazutaka: *See*—
  Shimizu, Tetsuo; and Hosokawa, Kazutaka, 4,840,99 Cl. 525-276.000.

Hosokawa, Manabu: *See*—
  Takakusaki, Nobuyuki; Mizutani, Yohji; Kishida, Nobuhiro; and Hosokawa, Manabu, 4,850,850, Cl. 425-526.000.

Hosokawa Micron Corporation: *See*—
  Inoki, Masahiro, 4,811,909, Cl. 241-33.000.

Hosokawa, Takeshi; Yabuya, Shigeru; Ito, Keizo; Nagano, Akiyoshi; Yoshimi, Takaharu; and Sakaida, Shoji, to Toyoda Gosei Co., Ltd. Resin product with main resin body and soft resin covering part. 4,816,313, 3-28-89, Cl. 428-90.000.

Hosokawa, Tomiaki: *See*—
  Kawai, Naoki; Hamamoto, Kouji; and Hosokawa, Tomiaki, 4,889,969, Cl. 219-130.510.

Hosokawa, Toshihiro: *See*—
  Sugimoto, Yoshiaki; and Hosokawa, Toshihiro, 4,801,289, Cl. 474-215.000.

Hosokawa, Yasunori; and Kobayashi, Takatoshi, to Kao Corporation. Absorbent resin with excellent stability. 4,812,486, 3-14-89, Cl. 521-139.000.

Hosoki, Kanoo: *See*—
  Sawayama, Tadahiro; Tsukamoto, Masatoshi; Sasagawa, Takashi; Nishimura, Kazuya; Hosoki, Kanoo; and Takeyama, Kunihiko, 4,826,814, Cl. 514-18.000.

Hosoki, Shigeyuki; Hosaka, Sumio; and Takata, Keiji, to Hitachi, Ltd. Scanning surface microscope using a micro-balance device for holding a probe-tip. 4,883,959, 11-28-89, Cl. 250-306.000.

Hosoki, Shigeyuki: *See*—
  Takada, Keiji; Okumura, Masahide; Fukuhara, Satoru; Morimura, Toshiyuki; Hosaka, Sumio; and Hosoki, Shigeyuki, 4,841,191, Cl. 310-317.000.

Hosomi, Mamoru; and Yonezawa, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Puffer type gas-blast circuit breaker. 4,851,622, 7-25-89, Cl. 200-148.00A.

Hosomizu, Hiroshi; Ichikawa, Tsutomu; Kamiya, Makoto; Yoneyama, Masatoshi; and Tuzi, Kenzi, to Minolta Camera Kabushiki Kaisha. Flash device. 4,839,686, 6-13-89, Cl. 354-416.000.

Hosomizu, Hiroshi: *See*—
  Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,797,702, Cl. 354-413.000.
  Taniguchi, Nobuyuki; Nakai, Masaaki; Omaki, Takanobu; Hosomizu, Hiroshi; Niwa, Masatake; Inoue, Toru; and Sekida, Minoru, 4,839,687, Cl. 354-416.000.
  Taniguchi, Nobuyuki; Yamazaki, Keiji; Hosomizu, Hiroshi; Kamiya, Makoto; and Tsuji, Kenji, 4,851,868, Cl. 354-127.100.
  Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,870,438, Cl. 354-132.000.
  Tsuji, Kenji; Ichikawa, Tsutomu; and Hosomizu, Hiroshi, 4,816,854, Cl. 354-413.000.

Hosono, Hiroshi: *See*—
  Taniguchi, Takashi; Hosono, Hiroshi; and Nakamura, Itaru, 4,835,023, Cl. 428-15.000.

Hosono, Kunihiro, to Mitsubishi Denki Kabushiki Kaisha. X-ray mask and exposure method employing the same. 4,887,283, 12-12-89, Cl. 378-35.000.

Hosono, Kunio, to Alps Electric Co., Ltd. Keyboard switch. 4,830,526, 5-16-89, Cl. 400-490.000.

Hosono, Masaki: *See*—
  Inui, Masaki; Okuda, Shozo; and Hosono, Masaki, 4,875,566, Cl. 192-53.00F.

Hosono, Masayuki; Waragai, Kengi; and Hiramoto, Jun, to SMC Corporation. Actuator driving system. 4,860,638, 8-29-89, Cl. 91-536.000.

Hosono, Yasuhiro: *See*—
  Itoh, Tadatsugu; Kohzu, Hideaki; and Hosono, Yasuhiro, 4,823,174, Cl. 357-34.000.

Hosono, Yoichi: *See*—
  Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; and Hosono, Yoichi, 4,798,781, Cl. 430-270.000.
  Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, 4,859,569, Cl. 430-270.000.

Hosono, Yoshimasa; and Uno, Toshio, to Sony Corporation. Multiprocessor system. 4,870,572, 9-26-89, Cl. 364-200.000.

Hosonuma, Masashi: *See*—
  Shimamune, Takayuki; and Hosonuma, Masashi, 4,818,572, Cl. 427-327.000.
  Shimamune, Takayuki; and Hosonuma, Masashi, 4,847,163, Cl. 428-469.000.
  Shimamune, Takayuki; Hosonuma, Masashi; and Matsumoto, Yukiei, 4,882,196, Cl. 427-2.000.
  Shimamune, Takayuki; and Hosonuma, Masashi, 4,889,685, Cl. 419-9.000.

Hosonuma, Shin: *See*—
  Nakamura, Katsuji; Fujio, Junichi; Hosonuma, Shin; Nakatsuka, Masakatsu; and Nishizawa, Tsutomu, 4,824,882, Cl. 524-89.000.
  Nishizawa, Tsutomu; Yamada, Yasuyuki; Fujio, Junichi; and Hosonuma, Shin, 4,842,781, Cl. 264-1.300.

Hosotani, Hisashi: *See*—
  Tano, Yasuo; Hosotani, Hisashi; Fujimori, Naoji; and Harada, Keizo, 4,822,359, Cl. 623-6.000.

Hosoya, Atsushi: *See*—
  Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, 4,807,064, Cl. 360-85.000.
  Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, 4,837,645, Cl. 360-85.000.

Hosoya, Eiji: *See*—
  Enokimoto, Akito; Masuda, Tatsuo; Handa, Akio; Hosoya, Eiji; Shibukawa, Takerou; and Watanabe, Seiji, 4,817,985, Cl. 280-690.000.
  Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,836,325, Cl. 180-333.000.
  Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,887,844, Cl. 280-779.000.
  Handa, Akio; Hosoya, Eiji; Mizumoto, Kousei; Ishiwatari, Makoto; and Okuma, Takanori, 4,799,565, Cl. 180-69.400.
  Handa, Akio; Kasa, Keiji; Hosoya, Eiji; and Shibukawa, Takerou, 4,799,708, Cl. 280-796.000.
  Watanabe, Seiji; Handa, Akio; Hosoya, Eiji; Ishiwatari, Makoto; Kimura, Yoshihiro; and Shibukawa, Takerou, 4,828,017, Cl. 165-41.000.

Hosoya, Hideki, to Canon Kabushiki Kaisha. Apparatus for seeking a track of an optical information carrier in which a loss of detection signal is compensated for. 4,811,316, 3-7-89, Cl. 369-32.000.

Hosoya, Hideki, to Canon Kabushiki Kaisha. Method and apparatus for recording or reproducing information in or from only a sector of an optical disk track without any defect by shifting a light beam to an adjacent track before a defective sector. 4,821,251, 4-11-89, Cl. 369-44.000.

Hosoya, Hideki; Aoki, Akio; and Enari, Masahiko, to Canon Kabushiki Kaisha. Information recording medium and reproducing method therefor. 4,853,920, 8-1-89, Cl. 369-59.000.

Hosoya, Hideki: *See*—
  Enari, Masahiko; Aoki, Akio; and Hosoya, Hideki, 4,811,321, Cl. 369-59.000.
  Shikichi, Satoshi; and Hosoya, Hideki, 4,888,756, Cl. 369-45.000.

Hosoya, Kensei: *See*—
  Takano, Yasuo; Tokoro, Hiroyoshi; Kobayashi, Junji; Yamada, Masato; Harada, Toshimitsu; and Hosoya, Kensei, 4,796,561, Cl. 118-657.000.
  Tokoro, Hiroyoshi; Kobayashi, Tsuneki; Hosoya, Kensei; Nobumori, Shogo; and Hayakawa, Mitsuaki, 4,806,979, Cl. 355-14.0SH.

Hosoya, Masachi: *See*—
  Matsunaga, Shigeki; Ishikawa, Yuichi; and Hosoya, Masachi, 4,841,408, Cl. 361-220.000.

Hosoya, Masahiro; Fujiwara, Shigeru; and Uehara, Tsutomu, to Kabushiki Kaisha Toshiba. Developing apparatus using one-component non-magnetic toner. 4,866,480, 9-12-89, Cl. 355-245.000.

Hosoya, Masakatsu: *See*—
  Koga, Noriyuki; and Hosoya, Masakatsu, 4,831,660, Cl. 360-90.000.

Hosoya, Naoki: *See*—
  Imai, Shin-ichi; and Hosoya, Naoki, 4,800,579, Cl. 377-60.000.
  Imai, Shin-ichi; and Hosoya, Naoki, 4,890,307, Cl. 377-60.000.

Hosoya, Takamasa; and Kimura, Kenji, to Olympus Optical Co., Ltd. Video signal processor for endoscope. 4,799,104, 1-17-89, Cl. 358-98.000.

Hosoya, Takamasa, to Olympus Optical Co., Ltd. Image photography apparatus having switch in remote control cable for preventing erroneous photography. 4,800,437, 1-24-89, Cl. 358-244.000.

Hosoya, Toshifumi: *See*—
  Masuda, Shigeo; and Hosoya, Toshifumi, 4,875,758, Cl. 350-96.300.

Hosoya, Toshio, to Toshiba Kikai Kabushiki Kaisha. Method and apparatus for controlling retracting speeds of injection molding machines. 4,802,267, 2-7-89, Cl. 425-135.000.

Hosoya, Yoshihiro: *See*—
  Kuwamoto, Hiroshi; Jitsukawa, Masaharu; and Hosoya, Yoshihiro, 4,810,589, Cl. 428-606.000.

Hosoya, Yuichi: *See*—
  Kamiguchi, Masao; and Hosoya, Yuichi, 4,849,678, Cl. 318-572.000.

Hosoya, Yukiteru, to Mitsuba Electric Manufacturing Co., Ltd. Wiring device in direct current machine. 4,870,309, 9-26-89, Cl. 310-71.000.

Hosoya, Yukiteru: *See*—
  Kamiyama, Akira; Kimura, Yoshimasa; and Hosoya, Yukiteru, 4,806,025, Cl. 384-202.000.
  Sato, Masaei; and Hosoya, Yukiteru, 4,855,631, Cl. 310-239.000.

Hosoyama, Osamu, to Fujitsu Limited. POS system for updating look-up table. 4,841,442, 6-20-89, Cl. 364-405.000.

Hospal AG: *See*—
  Borsari, Gianni, 4,859,319, Cl. 210-86.000.

Hospal Industrie: *See*—
  Chevallet, Jacques, 4,889,635, Cl. 210-646.000.
  Cortial, Jean-Loup, 4,857,199, Cl. 210-646.000.
  Richalley, Gerard; and Delaunay, Marc, 4,844,810, Cl. 210-646.000.

Hospal Ltd.: *See*—
  Magasi, Josef, 4,826,492, Cl. 604-274.000.

Hospital Attached to Tianjin Academy of Medical Sciences, The: *See*—
  Shihao, Ying, 4,870,106, Cl. 514-567.000.

Hospital For Joint Diseases Orthopedic Inst.: *See*—
  Gross, Clifford M., 4,802,773, Cl. 383-16.000.

Hospital Systems Inc.: *See*—
  Miller, David H., 4,816,969, Cl. 362-130.000.
  Miller, David H., 4,869,378, Cl. 211-94.000.

Hospodor, Andrew D., to I/O XEL, Inc. Method for analyzing performance of computer peripherals. 4,851,998, 7-25-89, Cl. 364-300.000.

Hossack, James M.; Powers, Jeffry E.; and Billings, John K., to Ultrasonic Arrays, Inc. Ultrasonic apparatus, system and method. 4,887,246, 12-12-89, Cl. 367-140.000.

Hossack, James M.; Powers, Jeffry E.; and Billings, John K., to Ultrasonic Arrays, Inc. Ultrasonic method. 4,888,086, 12-19-89, Cl. 156-639.000.

Hossain, Shafi U.; and Smith, Kenneth R., to Kimberly-Clark Corporation. Virucidal product having virucidal and/or germicidal properties. 4,828,912, 5-9-89, Cl. 428-289.000.

Hosten, Daniel, to Siemens Aktiengesellschaft. Electroplating apparatus for plate-shaped workpieces, particularly printed circuit boards. 4,832,811, 5-23-89, Cl. 204-198.000.

Hoster, Irmgard; Hoster, Thomas; Neuschutz, Dieter; and Radke, Dietrich, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Process for producing iron from fine-grained iron ores. 4,851,040, 7-25-89, Cl. 75-26.000.

Hoster, Thomas: *See—*
  Hoster, Irmgard; Hoster, Thomas; Neuschutz, Dieter; and Radke, Dietrich, 4,851,040, Cl. 75-26.000.
Hostetler, Dewey L.; Lansdowne, David L.; and Hershberger, Howard O., to DewEze Corporation. Slope mower with side frames. 4,869,054, 9-26-89, Cl. 56-6.000.
Hostetler, Donald E.; Kostelnik, Robert J.; and Shanti In, Zung-Jung, to Pony Industries, Inc. Polymerization process. 4,845,178, 7-4-89, Cl. 526-153.000.
Hostetler, Donald E.; Cannarsa, Michael J.; Kesling, Haven S., Jr.; and Sun, Hsiang-Ning, to Arco Chemical Technology, Inc. Preparation of discrete particles of polyalkylene carbonate. 4,853,462, 8-1-89, Cl. 528-494.000.
Hostetler, Donald E.: *See—*
  Cannarsa, Michael J.; Kesling, Haven S., Jr.; Hostetler, Donald E.; Cooper, Terence A.; and Sun, Hsiang-Ning, 4,833,036, Cl. 428-412.000.
Hostetler, Karl Y.: *See—*
  Deftos, Leonard J.; and Hostetler, Karl Y., 4,837,380, Cl. 424-450.000.
Hostetter, G. Robert, to GTE Government Systems Corporation. Universal carrier recovery and data detection for digital communication systems. 4,866,395, 9-12-89, Cl. 329-309.000.
Hostettler, Fritz. Low temperature, compatible mixtures of polyether prepolymers and flow modifiers. 4,797,226, 1-10-89, Cl. 252-182.200.
Hostettler, Fritz. Low temperature, storage stable mixtures of prepolymers and flow modifiers. 4,800,040, 1-24-89, Cl. 252-182.200.
Hosticka, Bedrich J.; Klinke, Roland; and Pfleiderer, Hans-Joerg, to Siemens Aktiengesellschaft. Differential amplifier having controllable power consumption. 4,843,341, 6-27-89, Cl. 330-253.000.
Hostler, Paul H.: *See—*
  Watson, Stuart L., Jr.; Hostler, Paul H.; and Haley, David L., 4,816,494, Cl. 321-137.000.
Hot Glide: *See—*
  Dakof, Michael; Beebe, Gene; and Fretwell, Paul, 4,813,371, Cl. 118-59.000.
Hot Locks, Inc.: *See—*
  Stanich, Judith A., 4,819,465, Cl. 70-56.000.
  Stanich, Judith A., 4,882,918, Cl. 70-54.000.
Hot Melt Systems Limited: *See—*
  Munden, Alan J.; and Leith, John R., 4,817,963, Cl. 277-1.000.
Hot Sports, Inc.: *See—*
  Roberson, Robert F., 4,803,944, Cl. 114-359.000.
  Roberson, Robert F., 4,823,717, Cl. 114-61.000.
Hotate, Makoto: *See—*
  Hashimoto, Noboru; Hitomi, Mitsuo; Onishi, Koji; Yada, Yoshikuni; Nobumoto, Hidetoshi; and Hotate, Makoto, 4,875,455, Cl. 123-568.000.
Hotchkiss, Joseph H.: *See—*
  Baker, Robert C.; Fugigaki, Arturo H.; Lu, Choing-Liang; and Hotchkiss, Joseph H., 4,849,232, Cl. 426-92.000.
Hotchkiss, Richard P. Upper extremity foreleg emulating exerciser. 4,834,366, 5-30-89, Cl. 272-137.000.
Hotelling, Joel: *See—*
  Lein, Juergen; Brookmire, Michael; Powers, Robert; and Hotelling, Joel, 4,814,832, Cl. 355-73.000.
Hotkowski, Peter: *See—*
  Abildgaard, William H.; Chadwick, Charles; Hotkowski, Peter; and Todaro, Frank A., 4,846,616, Cl. 412-7.000.
Hotma, Johan J. K., to Rauma-Repola Oy. Board press. 4,799,425, 1-24-89, Cl. 100-194.000.
Hotomi, Hideo; and Hakumoto, Shigeyuki, to Minolta Camera Kabushiki Kaisha. Carrier coated with plasma-polymerized film and apparatus for preparing same. 4,824,753, 4-25-89, Cl. 430-108.000.
Hotomi, Hideo, to Minolta Camera Kabushiki Kaisha. Electrochromic device. 4,828,369, 5-9-89, Cl. 350-357.000.
Hotomi, Hideo, to Minolta Camera Kabushiki Kaisha. Electrochromic device. 4,867,541, 9-19-89, Cl. 350-357.000.
Hotomi, Hideo; Osawa, Izumi; Iino, Syuji; Doi, Isao; and Fujiwara, Masanori, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising charge generating layer and charge transporting layer comprising amorphous carbon containing chalogen or transition metal. 4,876,168, 10-24-89, Cl. 430-58.000.
Hotomi, Hideo, to Minolta Camera Kabushiki Kaisha. Printing head for ink jet printer. 4,890,126, 12-26-89, Cl. 346-140.00R.
Hotomi, Hideo: *See—*
  Doi, Isao; Hotomi, Hideo; and Natsuhaara, Toshiya, 4,847,653, Cl. 355-245.000.
  Iino, Shuji; Hotomi, Hideo; Fujiwara, Masanori; Doi, Isao; and Osawa, Izumi, 4,801,515, Cl. 430-66.000.
  Iino, Shuji; Hotomi, Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,810,606, Cl. 430-58.000.
  Iino, Shuji; Hotomi Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,863,821, Cl. 430-58.000.
  Iino, Syuji; Hotomi, Hideo; Saeki, Noboru; Fujiwara, Masanori; Uchino, Fumiko; and Osawa, Izumi, 4,797,338, Cl. 430-58.000.
  Iino, Syuji; Osawa, Izumi; and Hotomi, Hideo, 4,868,076, Cl. 430-58.000.
  Iino, Syuji; Osawa, Izumi; and Hotomi, Hideo, 4,871,632, Cl. 430-58.000.
  Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Nakamura, Mitsutoshi; and Doi, Isao, 4,851,313, Cl. 430-58.000.
  Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Masaki, Kenji; and Doi, Isao, 4,882,256, Cl. 430-66.000.
  Taniguchi, Ichiro; Hotomi, Hideo; and Osawa, Izumi, 4,842,989, Cl. 430-296.000.

Hotta Co., Ltd. (Hotta Kabushiki Kaisha): *See—*
  Tachi, Yoshiya; and Hotta, Noriyuki, 4,798,174, Cl. 119-106.000.
Hotta, Hajime; and Akasaka, Michiyo, to Kao Corporation. Long wave UV ray absorber. 4,837,010, 6-6-89, Cl. 424-59.000.
Hotta, Hirohisa; Ono, Yotaro; and Matsuura, Masahiro, to Nippon Kokan Kabushiki Kaisha. Tuyere of blast furnace. 4,887,80 12-19-89, Cl. 266-270.000.
Hotta, Hiroshi; and Suzuki, Yoshiharu, to Polyplastics Co., Ltd. Surface metallizing method. 4,844,851, 7-4-89, Cl. 264-129.000.
Hotta, Hisashi: *See—*
  Kawahara, Masayuki; Hotta, Hisashi; Watanabe, Toshiaki; and Otsuka, Shinya, 4,828,136, Cl. 220-270.000.
Hotta, Kouichi; Yazawa, Yukichi; and Tatsukawa, Osami, to Hitachi Heating Appliances Co., Ltd. Foodstuffs heating apparatus using information cards for automatic mode setting or the like. 4,814,58 3-21-89, Cl. 219-10.55B.
Hotta, Masahiro; and Inoue, Tadasu, to Dainippon Plastics Co., Ltd. Sandwich glass. 4,822,684, 4-18-89, Cl. 428-426.000.
Hotta, Masao; Maio, Kenji; and Shimizu, Toshihiko, to Hitachi, Ltd. Encoder. 4,851,845, 7-25-89, Cl. 341-159.000.
Hotta, Masao: *See—*
  Nejime, Yoshito; Hotta, Masao; Maio, Kenji; and Ono, Koichi, 4,866,444, Cl. 341-159.000.
  Shimizu, Toshihiko; Hotta, Masao; and Maio, Kenji, 4,875,048, Cl. 341-156.000.
Hotta, Nobutaka: *See—*
  Noda, Tsutomu; Shirosugi, Takatoshi; Hotta, Nobutaka; and Okuda, Akihide, 4,882,725, Cl. 370-11.000.
Hotta, Noriyuki: *See—*
  Tachi, Yoshiya; and Hotta, Noriyuki, 4,798,174, Cl. 119-106.000.
Hotta, Sadayoshi: *See—*
  Nagata, Seiichi; Hotta, Sadayoshi; Takeda, Etsuya; and Miyata, Yutaka, 4,823,126, Cl. 340-825.790.
Hotta, Tadahiko; and Hanagasaki, Osamu, to Yamaha Corporation. Method of manufacturing a multilayer electrode containing silicide for a semiconductor device. 4,870,033, 9-26-89, Cl. 437-192.000.
Hotta, Tadahiko: *See—*
  Nonaka, Terumoto; and Hotta, Tadahiko, 4,807,011, Cl. 357-45.000.
Hotta, Takashi: *See—*
  Iwamura, Masahiro; Hotta, Takashi; and Maejima, Hideo, 4,849,658, Cl. 307-446.000.
Hotta, Takayuki: *See—*
  Suzuki, Ikuo; Yoneda, Takao; Hotta, Takayuki; and Yoneza, Toshihiro, 4,884,373, Cl. 51-165.710.
Hotta, Tomiji: *See—*
  Hoki, Tetsuo; Sano, Tetsuo; Kitakado, Ryuji; Sezaki, Yoshinori; Hotta, Tomiji; and Yano, Hironobu, 4,797,939, Cl. 382-8.000.
Hotta, Tomio: *See—*
  Imamura, Humihiro; and Hotta, Tomio, 4,876,953, Cl. 99-280.000.
  Shimomura, Nobuo; and Hotta, Tomio, 4,841,849, Cl. 99-282.000.
  Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,862,710, Cl. 68-12.00R.
  Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,875,607, Cl. 222-643.000.
Hotta, Toshinori; and Yamamoto, Osamu, to NEC Corporation. Automatic electrical power control circuit. 4,803,440, 2-7-89, Cl. 330-145.000.
Hotta, Yoshio; Ohnuma, Kenji; and Komura, Akihiko, to Canon Kabushiki Kaisha. Liquid crystal alignment layer containing polyvinyl alcohol and titanium-alkoxide. 4,802,740, 2-7-89, Cl. 350-341.000.
Hotta, Yuji: *See—*
  Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hata, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaori, 4,840,886, Cl. 430-558.000.
Hotta, Yukio: *See—*
  Sasaki, Takashi; and Hotta, Yukio, 4,846,724, Cl. 439-610.000.
Hottes, Ronald W., to Allied Products Corporation. Angle drive assembly for rotary cutters. 4,860,526, 8-29-89, Cl. 56-13.600.
Hottmann, Philip F.: *See—*
  Wilkins, Allen L.; Hottmann, Philip F.; and Caruso, Jerome, 4,867,512, Cl. 312-245.000.
Hottois, J. Peter: *See—*
  Li, George S.; Hottois, J. Peter; Wu, Muyen M.; and DeWitt, Elmer J., 4,826,922, Cl. 525-227.000.
Hotvet, David A.; Woodfill, Ernest L.; and Rising, Rolf C., to Minnesota Mining and Manufacturing Company. Attachment device for a probe microphone. 4,827,525, 5-2-89, Cl. 381-60.000.
Hotwork Developments Ltd.: *See—*
  Ward, Trevor, 4,807,695, Cl. 165-4.000.
  Ward, Trevor, 4,818,844, Cl. 219-279.000.
Hotz, Stephan, to Aktiengesellschaft Kuehnle, Kopp & Kausch. Adjusting device for a compressor. 4,836,747, 6-6-89, Cl. 415-163.000.
Hou, Donald; Wong, Yee-Shing; Gala, Dinesh; and Steinman, Martin, to Schering Corporation. Synthesis of azetidinones using CuC 4,876,338, 10-24-89, Cl. 540-357.000.
Hou, Hidemitsu: *See—*
  Yoshioka, Masanori; Hou, Hidemitsu; and Kawai, Nobufumi, 4,855,405, Cl. 530-300.000.
Hou, Jack. Apparatus for imparting oscillatory movements to plural ornaments of an ornamental assembly. 4,864,879, 9-12-89, Cl. 74-50.000.

Hou, Janpu; Chai, Bruce H.; Badding, David D.; West, Gary A.; and Marcus, Stephen L., to Allied-Signal Inc. Solid-state optical flame detector. 4,889,993, 12-26-89, Cl. 250-365.000.
Hou, Kenneth C.; and Ostreicher, Eugene A., to Cuno Incorporated. Filter sheet. 4,859,340, 8-22-89, Cl. 210-502.100.
Houang, Paul: *See—*
  d'Iribarne, Benoit; and Houang, Paul, 4,826,522, Cl. 65-115.000.
Houben, Hans; and Haas, Eckhard, to Kloeckner-Humboldt Deutz AG. Multiple piece piston for an internal combustion engine. 4,831,917, 5-23-89, Cl. 92-176.000.
Houben, Marie-Christine: *See—*
  Cao, Hoai-Chau; Houben, Marie-Christine; and Julemont, Michel, 4,828,723, Cl. 252-8.800.
Houck, David W.: *See—*
  Evans, Elizabeth L.; Gonchoroff, Nick J.; Greipp, Philip R.; Houck, David W.; Katzmann, Jerry A.; Kyle, Robert A.; and Loken, Michael R., 4,885,237, Cl. 435-6.000.
Houck, Duane W.: *See—*
  Gagnon, Richard T.; and Houck, Duane W., 4,829,573, Cl. 381-41.000.
Houck Industries, Inc.: *See—*
  Houck, Peter J., 4,863,288, Cl. 384-19.000.
Houck, Peter J., to Houck Industries, Inc. Floating wheel drawer slide. 4,863,288, 9-5-89, Cl. 384-19.000.
Houck, Philip I. Control system and method for cooking large or small quantities of food. 4,815,439, 3-28-89, Cl. 126-39.00G.
Houck, Robert B.; and McGuffey, Arnold L., to Sencorp. Flywheel for an electromechanical fastener driving tool. 4,854,492, 8-8-89, Cl. 227-131.000.
Houdry Process Corporation: *See—*
  Johnson, Tiffin E., 4,888,156, Cl. 422-144.000.
Houdstermaatschappij De Goede B.V.: *See—*
  van der Hoorn, Rudolf J. G. A.; and Clerx, Henrikus P. M., 4,801,259, Cl. 425-305.100.
Hougaard, Finn, to Eskofot A/S. Device for achieving a substantially uniform distribution of the light in the picture plane of a reproduction camera. 4,868,604, 9-19-89, Cl. 355-71.000.
Hougaard, Finn, to Eskofot. Reproduction camera. 4,887,126, 12-12-89, Cl. 355-75.000.
Hougen, Everett D. Method for cutting holes. 4,813,819, 3-21-89, Cl. 408-1.00R.
Hougen, Everett D. Annular cutter having radial clearance. 4,871,287, 10-3-89, Cl. 408-204.000.
Hougendobler, John, to American Greetings Corporation. Display carton with adjustable divider. 4,828,133, 5-9-89, Cl. 220-22.300.
Hough, Harold L.; English, George J.; and Chakrabarti, Kirti B., to GTE Products Corporation. Electric lamp, base for use therewith and method of assembling same. 4,804,878, 2-14-89, Cl. 313-113.000.
Hough, Harold L.: *See—*
  Blandell, Ronald G.; and Hough, Harold L., 4,878,159, Cl. 362-222.000.
Hough, Roger E.: *See—*
  Bean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.; Scanlon, John F.; and Wyman, Leslie W., 4,843,541, Cl. 364-200.000.
Hough, Stewart E., to Carroll Touch Inc. Low profile opto-device assembly with specific optoelectronic lead mount. 4,818,859, 4-4-89, Cl. 250-221.000.
Hougham, Gareth G.: *See—*
  Bard, Steven L.; Feger, Claudius; Glenning, John J.; Hougham, Gareth G.; Molis, Steven E.; Pawlowski, Walter P.; Ritsko, John J.; Slota, Peter, Jr.; and Snyder, Randy W., 4,846,929, Cl. 156-630.000.
Houghten, Richard A., to Scripps Clinic and Research Foundation. Synthetic heat-stable enterotoxin polypeptide of *Escherichia coli* and multimers thereof. 4,886,663, 12-12-89, Cl. 424-88.000.
Houghten, Richard A.: *See—*
  Shinnick, Thomas M.; Minden, Percy; and Houghten, Richard A., 4,889,800, Cl. 435-7.000.
Houghton, Alan N.: *See—*
  Albino, Anthony; Cairncross, J. Gregory; Eisinger, Magdalena; Houghton, Alan N.; and Old, Lloyd, 4,806,628, Cl. 530-387.000.
Houghton, Anthony T., to British Nuclear Fuels PLC. Container for nuclear fuel elements. 4,813,624, 3-28-89, Cl. 220-20.000.
Houghton, Christopher L.: *See—*
  Hoyte, Lennox P. J.; and Houghton, Christopher L., 4,890,019, Cl. 307-475.000.
Houghton, Fred; and Holmes, Paul, to Foster Wheeler Energy Corporation. Reboiler. 4,831,968, 5-23-89, Cl. 122-362.000.
Houghton, Ian, to STC PLC. Optical fibre cable. 4,859,025, 8-22-89, Cl. 350-96.230.
Houghton, Ian: *See—*
  Chicken, Leslie C.; and Houghton, Ian, 4,830,459, Cl. 350-96.230.
Houghton, Michael W.: *See—*
  Marry, Patrick J.; Wilson, Gregory P.; Houghton, Michael W.; and Wellenstein, Neil N., 4,827,507, Cl. 380-38.000.
Houghton Mifflin Company: *See—*
  Kucera, Henry; and Carus, Alwin B., 4,864,501, Cl. 364-419.000.
  Kucera, Henry; and Carus, Alwin B., 4,864,502, Cl. 364-419.000.
  Kucera, Henry; Carus, Alwin B.; and Hopkins, Jeffrey G., 4,868,750, Cl. 364-419.000.
Houghton, Paul. Variable maze device. 4,841,911, 6-27-89, Cl. 119-29.000.

Houghton, Paul J., to Measurex Corporation. Sensor and system for continuous determination of sheet strength. 4,864,851, 9-12-89, Cl. 73-159.000.
Houghton, Paul J., to Measurex Corporation. Sensor and system for continuous determination of paper strength. 4,866,984, 9-19-89, Cl. 73-159.000.
Houghton, Richard: *See—*
  Fox, Robert I.; and Houghton, Richard, 4,879,213, Cl. 435-5.000.
Houghton, William: *See—*
  Lorenzen, Rick D.; Houghton, William; Palmer, Darrel; and Kammerer, Kevin, 4,867,153, Cl. 128-205.120.
Houjiyou, Yuji: *See—*
  Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.
Houjo, Tokitsugu: *See—*
  Okushima, Masao; Iwaosa, Katsuaki; Baba, Susumu; and Houjo, Tokitsugu, 4,863,843, Cl. 430-566.000.
Houjo, Yasuo: *See—*
  Kato, Nobuyuki; Kuramochi, Koujiro; Nakamura, Shinya; and Houjo, Yasuo, 4,858,646, Cl. 137-596.160.
Houjyo, Hisao: *See—*
  Nakagawa, Yoshitomo; Kaito, Takashi; Houjyo, Hisao; and Yamamoto, Masahiro, 4,874,632, Cl. 427-41.000.
Houki, Yoji: *See—*
  Nakanishi, Akio; Hino, Toshio; Iino, Yoshio; Suetani, Kazuhisa; Houki, Yoji; and Ikuta, Hirotoshi, 4,878,088, Cl. 355-244.000.
Houki, Youji, to Fujitsu Limited. Optical beam scanner with detector position adjustment means. 4,847,492, 7-11-89, Cl. 250-235.000.
Houle, Arthur J.: *See—*
  McBride, William B.; Wilson, William R., Jr.; Tomlinson, John C.; McCarthy, John A.; Kochanowsky, Eugene W.; Hendricks, Jefferson D.; and Houle, Arthur J., 4,857,921, Cl. 340-912.000.
Houle, Mario, to Agrimetal Inc. Straw-shredding knife and rotary knife assembly. 4,844,353, 7-4-89, Cl. 241-101.00A.
Houle, Timothy H., to A. O. Smith Corporation. Stamped metal anode cap assembly. 4,830,724, 5-16-89, Cl. 204-197.000.
Houlihan, John: *See—*
  Thinesen, Tom; Houlihan, John; Reichel, Judith; and Olsen, Fred, 4,847,820, Cl. 368-282.000.
Houlihan, John T., to Timex Corporation. Bicycle handlebar holder for a wrist instrument. 4,819,217, 4-4-89, Cl. 368-10.000.
Houlihan, William J.: *See—*
  Anderson, Robert C.; Houlihan, William J.; Smith, Howard C.; and Villhauer, Edwin B., 4,845,129, Cl. 514-600.000.
  Tomesch, John C.; Prashad, Mahavir; and Houlihan, William J., 4,868,219, Cl. 549-496.000.
Houk, Robert A., to Perkin-Elmer Corporation, The. Scanning Michelson interferometer assembly. 4,881,814, 11-21-89, Cl. 356-346.000.
Houminer, Yoram: *See—*
  Podraza, Kenneth F.; and Houminer, Yoram, 4,872,918, Cl. 131-277.000.
  Williams, David L.; Southwick, Everett W.; and Houminer, Yoram, 4,859,775, Cl. 544-405.000.
Houng, Charles C.: *See—*
  Luchaco, David G.; and Houng, Charles C., 4,876,498, Cl. 323-300.000.
Hounsfield, Godfrey N.: *See—*
  Best, John E.; LeMay, Christopher A. G.; Hounsfield, Godfrey N.; and Froggatt, Robert J., 4,843,618, Cl. 378-4.000.
Houpt, Pieter M.; and Draaijer, Arie, to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek. Confocal laser scanning microscope. 4,863,226, 9-5-89, Cl. 350-6.500.
Hour, Tyh-Yuan. Automatic washing and sterilizing device for a stable. 4,805,648, 2-21-89, Cl. 134-57.00R.
Houriet, Raymond: *See—*
  Bodenhausen, Geoffrey; Pfandler, Peter E.; Rapin, Jacques; Gaumann, Tino; and Houriet, Raymond, 4,855,593, Cl. 250-282.000.
Hourlier, Francois, to Hutchinson. Hydraulic antivibratory supports. 4,809,959, 3-7-89, Cl. 267-140.100.
Hourmouziadis, Jean, to MTU Motoren- und Turbinen-Union Munchen GmbH. Turbo-engine with transonically traversed stages. 4,836,745, 6-6-89, Cl. 415-119.000.
House, Charles E., to Contel Corporation. Dual port memory controller. 4,796,232, 1-3-89, Cl. 365-189.000.
House, David W., and Scott, Ray V., Jr., to UOP. Room-temperature-cured polyurethanes and polyureas. 4,874,831, 10-17-89, Cl. 528-48.000.
House, David W.: *See—*
  Baumann, William M.; Scott, Ray V., Jr.; House, David W.; and Engel, Dusan J., 4,806,616, Cl. 528-68.000.
  Baumann, William M.; House, David W.; and Scott, Ray V., Jr., 4,847,347, Cl. 528-68.000.
  Scott, Ray V., Jr.; and House, David W., 4,801,674, Cl. 528-68.000.
House, Donald E.: *See—*
  Skinner, Edward A.; and House, Donald E., 4,819,410, Cl. 53-413.000.
House Food Industrial Company Limited: *See—*
  Akutsu, Shigeru; Matsumura, Yasushi; and Hattori, Ryuichi, 4,809,596, Cl. 99-472.000.
  Amamoto, Yoshikatu; and Tanihara, Nozomu, 4,844,938, Cl. 426-589.000.
  Fujihara, Takeo; Yamatani, Akira; Yamamoto, Masanori; and Kubo, Takako, 4,795,082, Cl. 229-109.000.
  Kunimoto, Yuji, 4,818,545, Cl. 426-107.000.

Matsumura, Yasushi; Mizuguchi, Takeshi; and Matsui, Fumio, 4,859,481, Cl. 426-445.000.
Matsumura, Yasushi; Mizuguchi, Takeshi; and Matsui, Fumio, 4,859,487, Cl. 426-639.000.
Nobuta, Masao; and Iuchi, Tetsuya, 4,871,001, Cl. 141-279.000.
Oshima, Yoshiyuki; Miyoshi, Yasunobu; and Hioki, Hiroko, 4,834,247, Cl. 206-631.000.
Sengoku, Koji; and Tomita, Misao, 4,884,498, Cl. 99-352.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,798,728, Cl. 426-129.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,840,805, Cl. 426-129.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,842,872, Cl. 426-46.000.
Sugisawa, Ko; Sekiguchi, Kazuya; Tuji, Kiyoaki; and Ono, Akinobu, 4,861,559, Cl. 422-110.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,871,565, Cl. 426-407.000.
Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Hayami, Hiroshi, 4,874,580, Cl. 422-25.000.
Yamamoto, Masanori; Kamoda, Tamotsu; Nakahara, Makoto; Fujii, Yoshimasa; and Sugano, Shozo, 4,803,088, Cl. 426-107.000.
House Food Industries, Co.: *See*—
Sengoku, Koji; and Nagatome, Yoshiaki, 4,874,630, Cl. 426-634.000.
House, Glenn D.: *See*—
Bagdis, Carol; House, Glenn D.; and Reiss, Wanda T., 4,802,108, Cl. 364-715.017.
House, John E.: *See*—
Hahn, Joseph A.; and House, John E., 4,836,921, Cl. 210-202.000.
House, Larry J.; Mank, James F.; Pettenski, Thomas A.; Williams, William J.; and Hayford, Donald T., to Gas Research Institute. Method and system for ultrasonic detection of flaws in test objects. 4,843,884, 7-4-89, Cl. 73-622.000.
House, Larry J.: *See*—
Nagabhusan, Senapati; House, Larry J.; Beard, Ralph E.; and Myers, John R., 4,832,532, Cl. 405-185.000.
House of Mayfair Ltd., The: *See*—
Brown, Kenneth D.; and Arkell, Philip S., 4,828,881, Cl. 427-208.000.
House of Packaging, Inc.: *See*—
Rondone, Sam J., 4,817,905, Cl. 248-459.000.
House, Richard M.: *See*—
White, Harold J.; House, Richard M.; and Vaughn, Worsel, 4,803,817, Cl. 52-235.000.
House, Roy D. Educational device and game. 4,812,123, 3-14-89, Cl. 434-195.000.
House, Roy F.; Granquist, Victor M.; and Cowan, Jack C., to Venture Innovations, Inc. Organophilic clay compositions. 4,843,048, 6-27-89, Cl. 501-148.000.
House, Roy F.: *See*—
Cowan, Jack C.; Granquist, Victor M.; and House, Roy F., 4,853,465, Cl. 530-506.000.
Cowan, Jack C.; House, Roy F.; and Granquist, Victor M., 4,863,980, Cl. 525-54.310.
House, V. Dean, to Data Pad Corp. Mouse operating pad. 4,799,054, 1-17-89, Cl. 340-710.000.
House, Wayne D.; and Myers, David J., to W. L. Gore & Associates, Inc. Rapidly recoverable PTFE and process therefore. 4,877,661, 10-31-89, Cl. 428-34.900.
House, William N., to Harman International Industries, Incorporated. Automotive sound system. 4,809,338, 2-28-89, Cl. [illegible]03.000.
Household Commercial Financial Services Inc.: *See*—
Foster, Johnny R., 4,833,406, Cl. 324-225.000.
Household Data Services (HDS): *See*—
Bellman, Alfred H., Jr.; Fowler, Mark A.; and Christ, Stewart H., 4,831,438, Cl. 358-108.000.
Morrey, Walter T.; and Hansen, Henry L., 4,870,682, Cl. 380-46.000.
Household Manufacturing, Inc.: *See*—
George, Larry T., 4,850,243, Cl. 74-574.000.
Spraker, Wilbur A., Jr., 4,840,036, Cl. 62-172.000.
Household Utilities, Inc.: *See*—
Deibele, Charles; and Deibele, Albert, Jr., 4,833,853, Cl. 52-410.000.
Houseman, J. D., to Quipp Incorporated. Single gripper conveyor system. 4,852,722, 8-1-89, Cl. 198-803.700.
Houseman, Kenneth R.: *See*—
Hayes, Donald J.; Wallace, David B.; Verlee, Donald J.; and Houseman, Kenneth R., 4,877,745, Cl. 436-166.000.
Houser, Dan B., to RTC Industries, Inc. Display balloon holder. 4,881,916, 11-21-89, Cl. 446-222.000.
Houser, David B. Portable shelter for small animals. 4,803,952, 2-14-89, Cl. 119-19.000.
Houser, David E.; and Morenus, Richard J., to International Business Machines, Corp. Resonant stylus support. 4,884,334, 12-5-89, Cl. 29-739.000.
Houser, Franklin C. Combination vacuum and solution-dispensing apparatus. 4,809,396, 3-7-89, Cl. 15-320.000.
Houser, Jack L.; and Pawlak, John. Recirculating shower using limited water supply. 4,828,709, 5-9-89, Cl. 210-669.000.
Houser, James L., to [illegible] Inc. Metal stud. 4,866,899, 9-19-89, Cl. 52-481.000.
Houser, Kevin L.: *See*—
Piatt, Michael J.; and Houser, Kevin L., 4,853,71[illegible], Cl. 3[illegible]4.000.
Houser, Lee F. Method for attaining longitudinal registry of rolls in printing presses. 4,860,650, 8-29-89, Cl. 101-211.000.
Houser, Philip H., to Proctor-Silex, Inc. Toaster oven/broiler with continuously energized indicator. 4,874,929, 10-17-89, Cl. 219-506.000.
Houser, Steven A.: *See*—
Armstrong, Macray M.; Houser, Steven A.; and Armstrong, Jeffrey A., 4,797,095, Cl. 433-22.000.
Houserman, Raymond L., to Coin Acceptors, Inc. Coin detection means including a current ramp generator. 4,809,838, 3-7-89, Cl. 194-317.000.
Houska, Jeffrey: *See*—
Davis, Donald F.; Brodsky, Stuart; and Houska, Jeffrey, 4,799,027, Cl. 604-192.000.
Housley, John R.: *See*—
Armitage, Bernard J.; Housley, John R.; Jeffery, James E.; and Johnston, David N., 4,833,143, Cl. 514-255.000.
Housley, Todd B. Programmable doorbell control. 4,868,540, 9-19-89, Cl. 340-326.000.
Houston, Albert C.: *See*—
Ma, John Y.; and Houston, Albert C., 4,876,739, Cl. 455-266.000.
Houston, Albert C., III: *See*—
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Houston Area Research Center: *See*—
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Houston Biotechnology Incorporated: *See*—
Baskin, David; and Lam, Dominic M. K., 4,859,674, Cl. 514-255.000.
Chiou, George C. Y.; and Lam, Dominic M., 4,865,599, Cl. 424-427.000.
Houston Industries Incorporated: *See*—
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Menger, William M.; Kern, Ernest E.; Allen, Kermit; Karkalis, O. C.; Wise, Donald L.; and Leuschner, Alfred P., 4,845,034, Cl. 435-167.000.
Williams, Danny R., 4,817,682, Cl. 140-113.000.
Williams, Danny R.; and Finke, Ronald J., 4,846,725, Cl. 439-479.000.
Williams, Danny R.; and Wentzel, Carl J., 4,867,687, Cl. 439-10.000.
Houston, John S. Magnetic position sensor having spaced toroidal magnets in a state of equilibrium. 4,853,630, 8-1-89, Cl. 324-208.000.
Houston, L. L.: *See*—
Stevens, Paul; Houston, L. L.; Koths, Kirston E.; Isell, Brian; and Zimmerman, Robert, 4,863,726, Cl. 424-85.200.
Houston, Ted: *See*—
Hite, Larry R.; Houston, Ted; and Matloubian, Mishel, 4,863,879, Cl. 437-026.000.
Houston, Theodore: *See*—
Shaw, Ching-Hao; Boshart, Patrick; Matzke, Douglas; Kalyan, Vibhu; and Houston, Theodore, 4,870,598, Cl. 364-491.000.
Houston, Theodore W., to Texas Instruments Incorporated. Low-power, noise-resistant read-only memory. 4,811,301, 3-7-89, Cl. 365-203.000.
Houston, Thomas T.; and Metzger, Raymond H., to Falcon Rehabilitation Products, Inc. Powered walker. 4,802,542, 2-7-89, Cl. 180-65.500.
Houston, Thomas T.; and Metzger, Raymond H., to Falcon Rehabilitation Products, Inc. Combination wheelchair and walker apparatus. 4,809,804, 3-7-89, Cl. 180-65.500.
Houston, William, to Marconi Company Limited, The. Tracking radar system. 4,843,398, 6-27-89, Cl. 342-74.000.
Houston, William S., to Hoover Company, The. Fan stage configuration. 4,859,144, 8-22-89, Cl. 415-210.000.
Housworth, Gerald R.: *See*—
Landa, Benzion; Blake, Christopher J.; Housworth, Gerald R.; and Lior, Shai, 4,871,163, Cl. 271-225.000.
Houtkamp, Johannes J., to B.V. Optische Industrie "De Oude Delft". X-ray detector tube with sidewall-supporting rear wall. 4,855,589, 8-8-89, Cl. 250-213.0VT.
Houtman, Eliberthus; and Brouwer, Geert, to U.S. Philips Corporation. X-ray analysis apparatus. 4,800,580, 1-24-89, Cl. 378-71.000.
Houtman, William H., to Gas Research Institute. Torch igniter. 4,854,857, 8-8-89, Cl. 431-154.000.
Houts, Thomas M.; and Ullman, Edwin F., to Syntex (U.S.A.) Inc. Method for producing chromatographic devices having modified edges. 4,883,688, 11-28-89, Cl. 427-285.000.
Houwink, John B. Open cycle cooled refrigerant recovery apparatus. 4,809,515, 3-7-89, Cl. 62-149.000.
Houx, James R., Jr.: *See*—
Kinney, Ohler L., Jr.; and Houx, James R., Jr., 4,801,440, Cl. 261-112.200.
Houy, Duane H.: *See*—
Hermach, Carl J.; and Houy, Duane H., 4,798,137, Cl. 101-211.000.
Houy, Germain: *See*—
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Houze, Martine: *See*—
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Houziaux, Patrick: *See*—
Danree, Bernard; Houziaux, Patrick; and Lacoste, Jean-Yves, 4,795,758, Cl. 514-428.000.

Hovan, Edward J.; Stephens, Guilford E.; and Peele, Samuel C., to United Technologies Corporation. Turbine cooling for gas turbine engine. 4,820,116, 4-11-89, Cl. 415-115.000.
Hovan, Edward J.: *See*—
Putman, Robert L.; and Hovan, Edward J., 4,85[illegible]2, Cl. 60-39.020.
Hovance, Hubert T., to Goodyear Tire & Rubber Company, The. Airspring height sensor. 4,817,922, 4-4-89, Cl. 267-64.210.
Hovance, Hubert T.: *See*—
Still, Donald O.; Hovance, Hubert T.; and Burley, George J., 4,824,515, Cl. 156-406.400.
Still, Donald O.; Hovance, Hubert T.; and Burley, George J., 4,857,123, Cl. 156-133.000.
Still, Donald O.; Hovance, Hubert T.; and Burley, George J., 4,858,505, Cl. 83-49.000.
Hovanchak, John A., to TRW Inc. Center take-off electric rack and pinion steering gear. 4,811,813, 3-14-89, Cl. 180-79.100.
Hovanic, Steven F., to Cooper Industries, Inc. Current limiting assembly for circuit breakers. 4,835,501, 5-30-89, Cl. 335-16.000.
Hovanic, Steven F.; and Bryce, David W., to Cooper Industries, Inc. Locking device for electrical switch or circuit breaker handle. 4,882,456, 11-21-89, Cl. 200-43.150.
Hovatter, Thomas W.: *See*—
Johnson, Bruce C.; Hovatter, Thomas W.; Rice, Steven T.; and Chen, Herbert S., 4,808,674, Cl. 525-397.000.
Hovden, Dag A.: *See*—
Bayer, Antonius L.; Bies, Bernhardus A. L.; Hands, Godfrey; and Hovden, Dag A., 4,798,299, Cl. 212-157.000.
Hove, Dirk Ton, to DHV Raadgevend Ingenieursbureau B.V. Apparatus for contacting a gas with a liquid, in particular for aerating waste water. 4,844,802, 7-4-89, Cl. 210-219.000.
Hovestadt, Herbert: *See*—
Henrichs, Walter; Hovestadt, Herbert; Lange, Ludwig; Ruppert, Kurt A.; and Splett, Erich, 4,857,665, Cl. 568-851.000.
Hovis, Donald B.; Schneider, Edward T.; Hassler, William L.; and Irons, Richard J. Fluid-actuated medical support. 4,867,140, 9-19-89, Cl. 128-24.00R.
Hovis, Edward E.; and Johnson, Eric D., to Applied Extrusion Technologies, Inc. Method of making apertured films and net like fabrics. 4,842,794, 6-27-89, Cl. 264-145.000.
Hovis, Keith: *See*—
Levin, Zaida; and Hovis, Keith, 4,854,212, Cl. 84-283.000.
Hovland, Lyle W.: *See*—
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Hovorka, Jiri J., to Marketing Systems of the South, Inc. Enhanced electromagnetic radiation transmission device. 4,829,207, 5-9-89, Cl. 310-254.000.
Hovorka, Jiri J., to Marketing Systems of the South, Inc. Asymmetric field electromagnetic motor. 4,843,268, 6-27-89, Cl. 310-181.000.
Hovversten, Gunnar: *See*—
Lindahl, Erik; and Hovversten, Gunnar, 4,883,599, Cl. 210-670.000.
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Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, 4,799,353, Cl. 57-281.000.
Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, 4,841,720, Cl. 57-281.000.
Noda, Mitsuo, 4,856,415, Cl. 92-88.000.
Sasaki, Kenji; and Ito, Shunji, 4,841,719, Cl. 57-281.000.
Shiokai, Kunio; Tanaka, Yutaka; and Yokoyama, Hachiro, 4,821,504, Cl. 57-276.000.
Tanase, Kozo, 4,885,817, Cl. 15-340.100.
Howald, Ernst: *See*—
Meyer, Gabriel; and Howald, Ernst, 4,809,711, Cl. 128-766.000.
Howard, Alan C. R.; Thompson, Philip R.; and Watts, Geoffrey, to Xerox Corporation. Toner cleaning apparatus. 4,796,057, 1-3-89, Cl. 355-15.000.
Howard, Alan C. R.; and Newbury, David M., to Xerox Corporation. Process unit for an imaging apparatus. 4,827,308, 5-2-89, Cl. 355-271.000.
Howard, Alan C. R.; Newbury, David M.; and Watts, Geoffrey, to Xerox Corporation. Process unit for an imaging apparatus. 4,831,407, 5-16-89, Cl. 355-3.00R.
Howard, Alan C. R.; and Newbury, David M., to Xerox Corporation. Removable process unit with charging device located relative to drum assembly. 4,835,568, 5-30-89, Cl. 355-219.000.
Howard, Albert, to Shamrock, Clay, a part interest. Apparatus for forming a columnar reinforcement in a concrete wall panel. 4,872,823, 10-10-89, Cl. 425-64.000.
Howard, Alfred R., Sr. Clasping device. 4,834,437, 5-30-89, Cl. 294-19.100.
Howard, Arthur G. Air filter apparatus. 4,824,450, 4-25-89, Cl. 55-274.000.
Howard, Billy G., to Martin Sprocket & Gear, Inc. Method of manufacturing bushings with powdered metals. 4,818,201, 4-4-89, Cl. 425-78.000.
Howard, Billy G., to Martin Sprocket & Gear, Inc. Partial hole threading system. 4,822,216, 4-18-89, Cl. 408-54.000.
Howard, Billy G., to Martin Sprocket & Gear, Inc. Method of manufacturing bushings with powdered metals. 4,853,180, 8-1-89, Cl. 419-66.000.
Howard, Brent A. Cleaning utility belt. 4,867,360, 9-19-89, Cl. 224-245.000.
Howard, Bruce S., to Boeing Company, The. Detection of electrically conductive materials beneath surface coatings employing eddy currents. 4,847,552, 7-11-89, Cl. 324-67.000.
Howard, Carl R., Jr., to Hoover Universal, Inc. Blow molded bottle with self-supporting base reinforced by hollow ribs. 4,850,493, 7-25-89, Cl. 215-1.00C.
Howard, Carl R., Jr., to Hoover Universal, Inc. Blow molded container with self-supporting base reinforced by hollow ribs. 4,850,494, 7-25-89, Cl. 215-1.00C.
Howard, Charles P., to Sensors, Inc. Chemiluminescent gas analyzer for measuring the oxides of nitrogen. 4,822,564, 4-18-89, Cl. 422-52.000.
Howard, Charles W. Safety device for hair curling heating irons to prevent burns. 4,866,249, 9-12-89, Cl. 219-225.000.
Howard, Christopher-George; and Doughty, Norma A., to Semitron Cricklade, Ltd. Transient suppressor device assembly. 4,866,563, 9-12-89, Cl. 361-124.000.
Howard, Donald R.; and MacGill, Robert A., to University of California, The Regents of the. Coaxial connector for use with printed circuit board edge connector. 4,801,269, 1-31-89, Cl. 439-63.000.
Howard, Edward, to Wheled Holdings Inc. Conical worm gear for a multi-speed bicycle drive mechanism. 4,831,88[illegible], 5-23-89, Cl. 74-425.500.
Howard Florey Institute of Experimental Physiology and Medicine: *See*—
Hudson, Peter J.; Shine, John; Niall, Hugh D.; and Tregear, Geoffrey W., 4,871,670, Cl. 435-172.300.
Howard, Frank S.; and Fraser, Wilson M., Jr., to United States of America, National Aeronautics and Space Administration. Vortex motion phase separator for zero gravity liquid transfer. 4,848,987, 7-18-89, Cl. 55-160.000.
Howard, Glen E.: *See*—
Young, Lydia J.; and Howard, Glen E., 4,837,443, Cl. 250-441.100.
Howard, Gregory W.: *See*—
Teumac, Fred N.; Ricciardi, Michael A.; Murph, Ronald L.; and Howard, Gregory W., 4,818,775, Cl. 521-107.000.
Howard, Harry R., Jr.; and Sarges, Reinhard, to Pfizer Inc. 1-phenyl-2(1H,3H)-indolone psycho-therapeutic agents. 4,861,880, 8-29-89, Cl. 544-144.000.
Howard, Harry R., Jr.; and Sarges, Reinhard, to Pfizer Inc. 1-phenyl-2(1H,3H)-indolone psychotherapeutic agents. 4,879,391, 11-7-89, Cl. 548-486.000.
Howard, Herbert H. Liquid level sensing device. 4,861,231, 8-29-89, Cl. 417-38.000.
Howard, Ian D.: *See*—
Edwards, D. Brandon; Edwards, Bruce W.; Howard, Ian D.; and Ives, Donald H., 4,877,316, Cl. 350-537.000.
Howard, James K.; Toney, Michael F.; and Tsang, Ching H., to International Business Machines Corporation. Magnetoresistive read transducer and method for making the improved transducer. 4,809,109, 2-28-89, Cl. 360-113.000.
Howard, James K., to International Business Machines Corporation. Magnetoresistive read transducer assembly. 4,825,325, 4-25-89, Cl. 360-113.000.
Howard, James K.: *See*—
Fontana, Robert E., Jr.; Howard, James K.; Lee, James H.; and Lefakis, Haralambos, 4,879,619, Cl. 360-113.000.
Howard, James W.: *See*—
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Howard, John G., to Vetostar Limited. Method of preserving foodstuffs. 4,834,997, 5-30-89, Cl. 426-316.000.
Howard, Keith; Sherrill, Jim; Kirby, Robert; and Malone, Bill A., to Tutco, Inc. Heating device having a removable carrier. 4,848,567, 7-18-89, Cl. 206-332.000.
Howard, Lee J., to Air Products and Chemicals, Inc. Method for olefinic separation. 4,832,830, 5-23-89, Cl. 208-351.000.
Howard, Leonard, to Sara Lee Corporation. System for handling hosiery articles. 4,865,463, 9-12-89, Cl. 383-33.000.
Howard-Link, Donald A.: *See*—
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Howard, Matthew A., III; Ritter, Rogers C.; and Grady, M. Sean, to University of Virginia Alumni Patents Foundation, The. Video tumor fighting system. 4,869,247, 9-26-89, Cl. 128-303.100.
Howard, Mig A., to Hughes Tool Company. Well bore data transmission system with battery preserving switch. 4,845,493, 7-4-89, Cl. 340-853.000.
Howard, Mig A., to Hughes Tool Company. Wellbore tool with hall effect coupling. 4,884,071, 11-28-89, Cl. 340-854.000.
Howard, P. Guy, to Spectra-Physics, Inc. Laser diode power control and modulator circuit. 4,868,836, 9-19-89, Cl. 372-38.000.
Howard, Paul L.: *See*—
Osterhout, Ralph F.; Howard, Paul L.; and Light, Greta O., 4,876,632, Cl. 362-183.000.
Howard, Randall F.: *See*—
Reese, Robert T.; Howard, Randall F.; and Stanley, Harold A., 4,835,259, Cl. 530-395.000.
Howard, Richard E.; and Keene, Joseph P., to Air Products and Chemicals, Inc. Disposable chemical container. 4,851,821, 7-25-89, Cl. 340-624.000.
Howard, Richard E.: *See*—
Graf, Hans P.; and Howard, Richard E., 4,875,183, Cl. 364-807.000.

Lipisko, Bruce A.; Schumacher, John C.; Howard, Richard E.; Randtke, Peter T.; Sandu, Adrian; Fletcher, Robert E.; and Graf, Hans-Juergen, 4,859,375, Cl. 261-20.000.

Howard, Richard K., to GEC Avionics Limited. Reflection holograms formed by scanning. 4,863,225, 9-5-89, Cl. 350-3.650.

Howard, Robert: *See—*

Daggett, Robert C.; Helinski, Richard R.; Howard, Robert; and Magee, Mark W., 4,870,430, Cl. 346-140.00R.

Howard, Robert A.; and Elliman, Robert, to Apple Computer, Inc. Computer moniter stand. 4,852,830, 8-1-89, Cl. 248-183.000.

Howard, Robert A.: *See—*

Forster, Alan R.; Howard, Robert A.; and Williams, Ernest P., 4,833,322, Cl. 250-288.000.

Howard, Robert M., Jr., to Bouligny Company, The. Method and apparatus for changing wind ratio on precision winder. 4,832,663, 5-23-89, Cl. 474-88.000.

Howard, Robert T., Jr.: *See—*

Greer, Stuart E.; and Howard, Robert T., Jr., 4,861,425, Cl. 156-644.000.

Howard, Robert W., to McDonnell Douglas Corporation. Skin heat exchanger. 4,819,720, 4-11-89, Cl. 165-104.340.

Howard, Ronald A., to Union Carbide Corporation. Seal utilizing composites of flexible graphite particles and amorphous carbon. 4,826,181, 5-2-89, Cl. 277-112.000.

Howard, Ronald A., to Union Carbide Corporation. High purity, high temperature pipe thread sealant paste. 4,872,914, 10-10-89, Cl. 106-285.000.

Howard, Webster E.; and Alt, Paul M., to International Business Machines Corporation. Method for eliminating crosstalk in a thin film transistor/liquid crystal display. 4,845,482, 7-4-89, Cl. 340-805.000.

Howard, William A., to Delta Systems, Inc. Safety switch for automatic de-activation of a motor vehicle. 4,795,865, 1-3-89, Cl. 200-85.00A.

Howard, William A., to Delta Systems, Inc. Torsion spring contact switch. 4,812,604, 3-14-89, Cl. 200-260.000.

Howard, William A., to Savoy Leather Manufacturing Corporation. Storage case. 4,819,801, 4-11-89, Cl. 206-387.000.

Howard, William A., to Delta Systems, Inc. Push button safety switch. 4,839,478, 6-13-89, Cl. 200-52.00R.

Howard, William J. Magazine. 4,888,900, 12-26-89, Cl. 42-50.000.

Howarth, John J.: *See—*

Frohardt, Allen; Dahlquist, John A.; and Howarth, John J., 4,830,504, Cl. 356-448.000.

Howarth, Michael S.; and Tomkinson, David M., to Imperial Chemical Industries PLC. Process for preparation of fluoroaromatic or fluoroheterocyclic compounds. 4,812,572, 3-14-89, Cl. 546-290.000.

Howarth, Walter J.; and Jarvis, Laurance, to Mineral Control Instrumentation Ltd. Method and apparatus for measuring the moisture content of a substance. 4,845,421, 7-4-89, Cl. 324-61.00R.

Howd, Robert A.: *See—*

Harris, Ralph N., III; Bedford, Clifford D.; Hilmas, Duane E.; Howd, Robert A.; Kenley, Richard A.; and Koolpe, Gary A., 4,865,837, Cl. 424-10.000.

Howd, Thomas C.: *See—*

Ebling, Thomas D.; Connor, Susan J.; Howd, Thomas C.; and Thompson, Olin W., Jr., 4,864,507, Cl. 364-468.000.

Howdle, William J., to Enserch Corporation. Apparatus for mounting aerial survey camera under aircraft wings. 4,825,232, 4-25-89, Cl. 354-74.000.

Howe, Blair E., to Cimco, Inc. Nebulizer heater. 4,819,625, 4-11-89, Cl. 128-200.180.

Howe, Blair E.: *See—*

Bagwell, James T.; and Howe, Blair E., 4,880,111, Cl. 206-209.100.

Howe, Charles R.; Southwick, Everett W.; and Cox, Richard H., to Philip Morris Incorporated. Sclarai alkyl ethers and smoking compositions containing a sclaral alkyl ether flavorant. 4,872,917, 10-10-89, Cl. 131-275.000.

Howe Furniture Corporation: *See—*

Diffrient, Niels 4,827,850, Cl. 108-60.000.

Diffrient, Niels, 4,827,851, Cl. 108-132.000.

Diffrient, Niels, 4,867,610, Cl. 403-199.000.

Howe, James A.: *See—*

Mager, Donald V.; and Howe, James A., 4,835,545, Cl. 346-1.100.

Howe, Jonathan: *See—*

Burt, John F.; Whynall, Jeffrey M.; Howe, Jonathan; Knott, Gilbert L.; and Harnvorakiat, Tavin, 4,796,467, Cl. 73-168.000.

Howe, Michael L.: *See—*

Warren, Morris J.; and Howe, Michael L., 4,863,566, Cl. 162-160.000.

Howe, Michael W., to Calgon Corporation. Method for improving magnesium oxide steel coatings using non-aqueous solvents. 4,799,969, 1-24-89, Cl. 148-6.14R.

Howe, Paul R.; and Morris, Michael D. Telephone line exclusion device. 4,809,317, 2-28-89, Cl. 379-98.000.

Howe, Raymond P. Dental intrusion device. 4,815,972, 3-28-89, Cl. 433-5.000.

Howe, Robert B.: *See—*

Lin, Lawrence H.; Cavan, Daniel L.; and Howe, Robert B., 4,806,774, Cl. 250-550.000.

Howe, Robert D.; and Kychakoff, George, to Leland Stanford Junior University, The Board of Trustees of the. Optical inverse-square displacement sensor. 4,865,443, 9-12-89, Cl. 356-4.000.

Howe, Robert K.: *See—*

Grabiak, Raymond C.; Howe, Robert K.; and Yearell-Vinson, Cheryl, 4,818,270, Cl. 71-88.000.

Howe, Robert L.: *See—*

Honganen, Ronald E.; Howe, Robert L., and Miller, Leslie A., 4,797,207, Cl. 210-198.200.

Honganen, Ronald E.; Howe, Robert L., and Miller, Leslie A., 4,797,834, Cl. 364-510.000.

Howe, Roger T.; and Chang, Shih-Chia, to Massachusetts Institute of Technology. Resonant accelerometer. 4,805,456, 2-21-89, Cl. 73-517.0AV.

Howe, Roger T.; Mehregany, Mehran; and Senturia, Stephen D., to Massachusetts Institute of Technology. Released film structures and method of measuring film properties. 4,823,607, 4-25-89, Cl. 73-783.000.

Howe, Roger T.; and Chang, Shih-Chia, to Massachusetts Institute of Technology. Resonant accelerometer. 4,851,080, 7-25-89, Cl. 156-647.000.

Howe, Roger T.: *See—*

Lee, Hae-Seung; Howe, Roger T.; and Kung, Joseph T., 4,860,232, Cl. 364-571.040.

Howe, Stephen M.: *See—*

Giovanniello, Rocco; and Howe, Stephen M., 4,871,525, Cl. 423-463.000.

Howe, Steve R., to An-Tech International Livestock Products. Animal tail tag for insecticide protection. 4,878,456, 11-7-89, Cl. 119-156.000.

Howe Technologies Corporation: *See—*

Laletin, William H., 4,890,065, Cl. 328-155.000.

Howe, Wayne. Tree baler. 4,796,413, 1-10-89, Cl. 53-530.000.

Howell, Bryan M. Framing system. 4,869,040, 9-26-89, Cl. 52-633.000.

Howell, David W.: *See—*

Harbolt, Bruce A.; and Howell, David W., 4,863,645, Cl. 264-13.000.

Howell, Edmund O.: *See—*

Koch, Earl E., deceased; Voler, Franja F.; and Howell, Edmund O., 4,838,014, Cl. 56-13.600.

Howell, Frederick H., to Ciba-Geigy AG. Hydroquinones. 4,835,323, 5-30-89, Cl. 568-662.000.

Howell, Gail M.: *See—*

Roth, Claris D.; Moser, Kenneth B.; Howell, Gail M.; and Urfer, Allen D., 4,834,903, Cl. 252-174.170.

Urfer, Allen D.; and Howell, Gail M., 4,804,497, Cl. 252-8.800.

Howell, Gary W., to Du Pont de Nemours, E. I., and Company. Movable cleaning assembly for an aspirating needle. 4,820,497, 4-11-89, Cl. 422-63.000.

Howell, Gary W., to Du Pont de Nemours, E. I., and Company. Analysis instrument having a blow molded reaction chamber. 4,863,69 9-5-89, Cl. 422-64.000.

Howell, Henry G.: *See—*

Brundidge, Steven P.; Howell, Henry G.; Sapino, Chester, Jr.; and Hong-Tann, Chou, 4,879,377, Cl. 536-18.200.

Howell Instruments, Inc.: *See—*

Howell, John S.; and Hartung, Robert L., 4,821,216, Cl. 364-551.010.

Maserang, William L.; and Wright, John W., 4,884,171, Cl. 361-424.000.

Howell, James B.: *See—*

Lindsay, Erin J.; and Howell, James B., 4,863,441, Cl. 604-280.000.

Howell, James M.: *See—*

Keeue, Wayne H.; Dorschner, Terry A.; and Howell, James M. 4,813,766, Cl. 350-337.000.

Howell, Jerald A.: *See—*

Kukes, Simon G.; and Howell, Jerald A., 4,802,972, Cl. 208-107.000.

Howell, John: *See—*

Purser, Terence B., 4,842,613, Cl. 8-471.000.

Howell, John S.; and Hartung, Robert L., to Howell Instruments, Inc. Multifunction meter for use in an aircraft. 4,821,216, 4-11-89, Cl. 364-551.010.

Howell, Keith C. Projectile toy. 4,860,718, 8-29-89, Cl. 124-18.000.

Howell, Paul J.: *See—*

Desbiens, Donald J.; Eldridge, John W.; and Howell, Paul J., 4,849,344, Cl. 437-31.000.

Howell, Peter P.: *See—*

Johnson, Harlan B.; Wiedrich, Charles R.; Allen, Ernie L.; an Howell, Peter P., 4,865,760, Cl. 252-187.280.

Howell, Richard J., to Shelburne Corporation, The. Bicycle pedaling apparatus. 4,803,894, 2-14-89, Cl. 74-594.600.

Howell, Richard L., Jr. Augering apparatus and drilling rig. 4,877,09 10-31-89, Cl. 173-89.000.

Howell, Roland A., to Southern Railway Company. Gate circuitry for hot box detectors. 4,805,8[illegible], 2-21-89, Cl. 246-169.00D.

Howell, Ronald G.: *See—*

Bruckner, Norman I.; Gordon, Michael D.; and Howell, Ronald G., 4,847,304, Cl. 514-699.000.

Bruckner, Norman I.; Gordon, Michael D.; and Howell, Ronald G., 4,851,449, Cl. 514-698.000.

Howell, Stephen J.: *See—*

Vinson, John W.; Howell, Stephen J.; and Lampes, Elias H., 4,854,127, Cl. 60-742.000.

Howell, Steven E.: *See—*

Ansell, Daniel F.; Harris, James C.; Howell, Steven E.; Miller, Michael S.; and Wysong, Robert D., 4,862,327, Cl. 361-415.000.

Howell, William A. Portable industrial filter system. 4,844,665, 7-4-89, Cl. 406-173.000.

Howell, William R.; and Shuler, Eric T., to Quaker Oats Company, The. Bed safety side rail. 4,833,743, 5-30-89, Cl. 5-426.000.

Howells, Geoffrey, to Kabanos Pty. Limited. Coin detection device. 4,805,754, 2-21-89, Cl. 194-317.000.

Howells, Geoffrey: *See—*

Goh, David; Moran-Iturralde, Anthony M.; and Howells, Geoffrey, 4,881,918, Cl. 453-4.000.

Howells, Roger A.; Stoner, George H.; and Stockunas, Joseph, to Air Products and Chemicals, Inc. Gas atomization nozzle for metal powder production. 4,880,162, 11-14-89, Cl. 239-406.000.

Howerter, Edward D.: *See—*

Scott, Paul F.; Button, Donald C.; Reeves, Charles B.; and Howerter, Edward D., 4,820,972, Cl. 324-61.00P.

Howerton, Robert D.: *See—*

Walz, David K.; Howerton, Robert D.; Allen, Andrew W.; Moss, Thera C.; and Kenney, William H., 4,840,770, Cl. 422-49.000.

Walz, David K.; Howerton, Robert D.; Allen, Andrew W.; Moss, Theron C.; and Kenney, William H., 4,865,816, Cl. 422-123.000.

Howes, H. Frank: *See—*

Mathewes, James K., Jr.; Chancellor, Craig A.; and Howes, H. Frank, 4,875,209, Cl. 371-3.000.

Howes, John G. B.: *See—*

Parker, Robert S. R.; and Howes, John G. B., 4,844,983, Cl. 428-425.600.

Howes, Peter D.: *See—*

Phillipps, Gordon H.; Dyke, Stanley F.; Bailey, Esme J.; Howes, Peter D.; and Scopes, David I. C., 4,835,158, Cl. 514-279.000.

Howes, Ronald D.: *See—*

Andersen, Gerald L.; Howes, Ronald D.; and Meyocks, Richard D., 4,858,352, Cl. 40-299.000.

Howeth, D. Franklin. Hopper loading directly insertable horizontally mounted cylindrical segmented bore pleated filter system for rotary broom sweepers. 4,802,983, 2-7-89, Cl. 55-302.000.

Howeth, D. Franklin. Multiple filter/cyclone air filtration apparatus with single, movable filter cleaning system. 4,823,731, 4-25-89, Cl. 118-326.000.

Howeth, David F. Adjustable energy output/cyclic event filter cleaning control system. 4,817,661, 4-4-89, Cl. 137-119.000.

Howett, Harry L.: *See—*

Placke, Dale L.; Shawen, Harley J.; Howett, Harry L.; and Adelberger, Donald L., 4,850,657, Cl. 312-213.000.

Howett, Mary K.: *See—*

Kreider, John W.; and Howett, Mary K., 4,814,268, Cl. 435-239.000.

Howie, Robin M., to Coal Industry (Patents) Limited. Helmet. 4,852,562, 8-1-89, Cl. 128-201.250.

Howie, Robin M., to Coal Industry (Patents) Limited. Environmental protective garment. 4,876,746, 10-31-89, Cl. 2-69.000.

Howington, Larry C.: *See—*

Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.

Howland, Frank S. Anti-tip wheelchair accessory. 4,877,260, 10-31-89, Cl. 280-304.100.

Howland, Howard C.; Schaeffel, Frank; and Farkas, Leslie, to Cornell Research Foundation, Inc. Infrared photoretinoscope. 4,834,528, 5-30-89, Cl. 351-211.000.

Howland, Leland L.: *See—*

Hanson, Jay L.; and Howland, Leland L., 4,878,465, Cl. 123-179.0BG.

Howle, Edward S. Foldable wheelchair. 4,863,181, 9-5-89, Cl. 280-250.100.

Howlett, Charles W.: *See—*

Finsterwald, Phillip M.; Howlett, Charles W.; and Ring, James W., 4,802,458, Cl. 128-661.080.

Howlett, David J., to Bespak Plc. Non throttling discharge pump assembly. 4,842,495, 6-27-89, Cl. 417-488.000.

Howlett, David J., to Bespak PLC. Collapsible chamber metering valve. 4,858,790, 8-22-89, Cl. 222-402.200.

Howlett, James J.: *See—*

Rice, Robert W.; Sweet, David H.; Evans, Charles W.; Wright, Gregory P.; Howlett, James J.; Lappos, Nicholas D.; and Johnston, Mark A., 4,817,046, Cl. 364-551.010.

Howlett, Robert E.: *See—*

Kelly, Patrick M.; Howlett, Robert E.; Pomeroy, Paul A.; and Alvarez, Dennis A., 4,876,837, Cl. 52-287.000.

Howley, Colin K., to Renishaw plc. Processing quadrature signals. 4,864,230, 9-5-89, Cl. 324-161.000.

Howley, Joseph P.; Keehn, William T.; Ford, Joanna B.; and Neeb, Mary J., to Gaines Pet Foods Corp. Particulate dog food palatability enhancer and process. 4,804,549, 2-14-89, Cl. 426-98.000.

Howmedica GmbH Werk Schonkirchen: *See—*

Seidel, Hartmut R. A.; Harder, Hans E.; and Behrens, Klaus F. A., 4,858,602, Cl. 128-92.0YY.

Howmedica, Inc.: *See—*

Kenna, Robert V., 4,825,857, Cl. 128-92.0VW.

Howmedica International, Inc.: *See—*

Olerud, Sven E.; and Richter, Karl M., 4,850,344, Cl. 128-92.0VD.

Richter, Karl M., 4,862,880, Cl. 128-92.0YK.

Howmet Corporation: *See—*

Brinegar, John R.; Chamberlain, Keith R.; Vresics, James J.; and DePue, William J., 4,832,112, Cl. 164-499.000.

Colvin, Gregory N.; and Veeck, Stewart J., 4,842,822, Cl. 420-533.000.

Frank, Gregory R.; Canfield, Kenneth A.; and Wright, Thomas R., 4,837,187, Cl. 501-127.000.

Howng, Wei-Yean: *See—*

Huang, Rong F.; and Howng, Wei-Yean, 4,872,086, Cl. 361-321.000.

Howorka, Franz: *See—*

Buzetzki, Eduard, 4,867,676, Cl. 432-96.000.

Howse, Philip E., to University of Southampton. Insect attractant. 4,820,513, 4-11-89, Cl. 424-84.000.

Howseman, William E., Jr.; and Engel, Harold J. Fluid agitator and pump assembly. 4,859,073, 8-22-89, Cl. 366-195.000.

Howson, David C.; Pauley, J. Donald; and Carroll, Gary T., to Intelligent Medicine, Inc. Device and method for precise subcutaneous placement of a medical instrument. 4,804,054, 2-14-89, Cl. 128-898.000.

Howson, David C., to Intelligent Medicine, Inc. Device and method for effecting application of a therapeutic agent. 4,810,243, 3-7-89, Cl. 604-31.000.

Howson, David C.; Havranek, Robert E.; Popken, John A.; and Stone, Frederick L., to Intelligent Medicine, Inc. Storage receptacle sealing and transfer apparatus. 4,834,152, 5-30-89, Cl. 141-286.000.

Howson, David C.; Fellinger, Michael W.; Popken, John A.; and Altobellis, Richard M., to Intelligent Medicine, Inc. Syringe positioning device for enhancing fluid flow control. 4,846,797, 7-11-89, Cl. 604-154.000.

Howson, Robert E.: *See—*

Foster, Isaac R., Jr.; Howson, Robert E.; and Payne, Donald, 4,825,791, Cl. 114-72.000.

Howtek, Inc.: *See—*

Daggett, Robert C.; Helinski, Richard R.; Howard, Robert; and Magee, Mark W., 4,870,430, Cl. 346-140.00R.

Nowak, Michael T., 4,820,346, Cl. 106-22.000.

Sousa, John G.; Winey, Calvin M.; Hock, Allan G.; and Lutz, Carl D., 4,870,431, Cl. 346-140.00R.

Howton, Kenneth D.; Stewart, Robert G.; and Zeitler, Herman R., to Brush Fuses, Inc. Fuses and their manufacture. 4,841,356, 6-20-89, Cl. 337-248.000.

Hoxan Corporation: *See—*

Iura, Tadashi, 4,858,261, Cl. 5-81.00B.

Kasai, Yoichi, deceased; Kawamura, Akio; Nakanishi, Yoshimi; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, 4,883,452, Cl. 600-36.000.

Yokoyama, Takashi; Hide, Ichiro; Sawaya, Keiji; and Matsuyama, Takeshi, 4,820,145, Cl. 425-425.000.

Hoxmeier, Ronald J.; and Slaugh, Lynn H., to Shell Oil Company. Hydrogenation process. 4,876,314, 10-24-89, Cl. 525-338.000.

Hoxmeier, Ronald J., to Shell Oil Company. Selective hydrogenation process. 4,879,349, 11-7-89, Cl. 525-332.800.

Hoy, David. Knee orthotic hinge joint. 4,844,057, 7-4-89, Cl. 128-80.00C.

Hoy, Edgar F., to Dowell Schlumberger Incorporated. Enhanced cleaning procedure for copper alloy equipment. 4,861,386, 8-29-89, Cl. 134-27.000.

Hoy, Kenneth L.; and Richey, Forrest A., Jr., to Union Carbide Corporation. Solvent borne high solids coating compositions. 4,814,382, 3-21-89, Cl. 525-113.000.

Hoy, Kenneth L.: *See—*

Meschke, Debra J.; and Hoy, Kenneth L., 4,855,403, Cl. 528-419.000.

Meschke, Debra J.; and Hoy, Kenneth L., 4,857,218, Cl. 252-49.300.

Hoy, Martin L.; and Hurst, Aubrey B. Paper scoring apparatus. 4,883,451, 11-28-89, Cl. 493-396.000.

Hoya Corporation: *See—*

Amano, Satoru, 4,843,335, Cl. 332-751.000.

Asahara, Yoshiyuki; Omi, Shigeaki; Sakai, Hiroyuki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,805,997, Cl. 350-413.000.

Asahara, Yoshiyuki; Sasai, Hiroyuki; Omi, Shigeaki; Shingaki, Seiichi; and Nakayama, Shin, 4,844,589, Cl. 350-413.000.

Hata, Chiemi; Hara, Kouichi; and Izumitani, Tetsuro, 4,816,049, Cl. 65-3.200.

Hirota, Shinichiro; Sugawara, Kishio; and Fujimoto, Tadayuki, 4,836,838, Cl. 65-308.000.

Hirota, Shinichiro; and Sugawara, Kishio, 4,836,840, Cl. 65-323.000.

Izumitani, Tetsuro; Matsukawa, Michimasa; and Hata, Chiemi, 4,820,662, Cl. 501-73.000.

Kasuga, Toshihiro, 4,871,384, Cl. 65-30.100.

Kawamura, Kazunori, 4,855,180, Cl. 428-328.000.

Kobayashi, Kunimitsu, 4,810,069, Cl. 350-413.000.

Kogure, Yasuo, 4,886,366, Cl. 356-406.000.

Kusumi, Yasuo; Uno, Ken; and Fujino, Takuo, 4,882,827, Cl. 29-527.200.

Matsudaira, Takeo; and Shimizu, Yasumoto, 4,870,322, Cl. 313-506.000.

Matsudaira, Takeo; and Suzuki, Hisanori, 4,882,197, Cl. 427-8.000.

Miura, Kiyotaka; Izumitani, Tetsuro; and Yamashita, Toshiharu, 4,806,138, Cl. 65-32.100.

Miura, Kiyotaka; Yamashita, Toshiharu; and Tokida, Minoru, 4,845,057, Cl. 501-40.000.

Mochizuki, Takayasu; and Yamanaka, Chiyoe, 4,866,517, Cl. 378-119.000.

Nakajima, Yuji, 4,805,989, Cl. 350-164.000.

Ninomiya, Noboru; Hagiwara, Osamu; and Yoda, Toshira, 4,845,641, Cl. 364-518.000.

Onoki, Fumio, 4,883,548, Cl. 156-99.000.

Saigoh, Tsuyoshi, 4,817,024, Cl. 364-577.000.

Sakai, Hiroyuki; Asahara, Yoshiyuki; Omi, Shigeaki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,844,724, Cl. 65-3.110.

Sakai, Hiroyuki; Ohmi, Shigeaki; Yoneda, Yoshitaka; and Asahara, Yoshiyuki, 4,851,024, Cl. 65-3.140.

Yamada, Yasuhiro, 4,866,654, Cl. 364-754.000.

Yamashita, Toshiharu; Amano, Sho; Tajima, Hidemi; Masuda, Isao; and Izumitani, Tetsuro, 4,871,230, Cl. 350-96.340.

Hoya, Fernando, to Edouard Dubied & Cie. S.A. Device for actuating movable cams in a flat knitting machine. 4,805,423, 2-21-89, Cl. 66-78.000.

Hoya, Kazuo: *See—*

Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.

Hoyack, Mark E.: *See—*

Krishnaswamy, Prem; and Hoyack, Mark E., 4,800,017, Cl. 210-219.000.

Hoye, Robert S.; and Roach, Theodore H., to T.R. Applied Development Corporation. Proportional control with an automatic centering manual input device for inputting computer variables. 4,824,111, 4-25-89, Cl. 273-148.00B.

Hoye, Robert S.; and Roach, Theodore H., to Microcube Corporation. Proportional control with a joystick device for inputting computer variables 4,872,672, 10-10-89, Cl. 273-1.00E.

Hoyeck, Ralph H. One letter alphabet (OLA). 4,838,792, 6-13-89, Cl. 434-163.000

Hoyer, Bryan; and Richardson, John, to Morpheus Lights, Inc. Modular stage light system. 4,837,665, 6-6-89, Cl. 362-96.000.

Hoyer, Daniel P.: *See—*

Pye, D. Stephen; Featherstone, John L.; Gallup, Darrell L.; Gritters, Gregory A.; Hoyer, Daniel P.; and Wong, Morton M., 4,869,066, Cl. 60-641.500.

Hoyer, Elmer A., to NCR Corporation. Method and apparatus for encoding and decoding speech signal primary information. 4,817,154, 3-28-89, Cl. 381-36.000.

Hoyer, Norman S.; and Iyer, Natraj C., to Westinghouse Electric Corp. Hot isostatic pressing of high performance electrical components. 4,810,289, 3-7-89, Cl. 75-232.000.

Hoying, John F.; and Smith, Stanley E., to General Motors Corporation. Electronic hydraulic mount with continuously variable control. 4,796,874, 1-10-89, Cl. 267-140.100.

Hoying, John F.; and Smith, Stanley E., to General Motors Corporation. Hydraulic engine mount with self-pumping air bladder. 4,828,234, 5-9-89, Cl. 267-140.100.

Hoying, John F.; and Lange, Bernard, to General Motors Corporation. Hydraulic engine mount with air bladder tuning. 4,840,358, 6-20-89, Cl. 267-140.100.

Hoying, John F.; and Smith, Stanley E., to General Motors Corporation. Hydraulic engine mount with air bellows tuning. 4,869,477, 9-26-89, Cl. 267-140.100.

Hoyland, Sigbjorn: *See—*

Andersson, Rolf J.; Pajes, Chajkiel; Hoglund, Kjell; Nilsson, Tore; Husebye, Ragnar; Hoyland, Sigbjorn; Lindland, Hans; Mong, Tore; and Nesse, Erling, 4,805,951, Cl. 294-116.000.

Hoyland, Trevor B.; and Payne, Richard, to Thurne Engineering Co. Ltd. Conveyor system. 4,846,336, 7-11-89, Cl. 198-432.000.

Hoyle, Charles D.: *See—*

Whitney, Leland R.; Hoyle, Charles D.; and Seemann, Ronald W., 4,814,546, Cl. 174-36.000.

Hoyle, David C.; Chang, Shu-Kong; and Varga, Gyula, to Schlumberger Technology Corporation. Logging tool housing with acoustic delay. 4,850,450, 7-25-89, Cl. 181-102.000.

Hoyle, David C.; Wignall, Albert H.; and Walulik, James J., to Schlumberger Technology Corporation. Sonic well logging tool transmitter. 4,862,991, 9-5-89, Cl. 181-106.000.

Hoyle, David C.: *See—*

Wignall, Albert H.; and Hoyle, David C., 4,872,526, Cl. 181-102.000.

Hoyler, Gerhard: *See—*

Falckenberg, Richard; Hoyler, Gerhard; and Grabmaier, Josef, 4,871,517, Cl. 422-248.000.

Hoyss, Franz: *See—*

Millauer, Wolfgang; Benz, Gottfried; Pauli, Heinrich; and Hoyss, Franz, 4,885,511, Cl. 318-434.000.

Hoyt, Charles D., to Ferrotec, Inc. D.C. excited capacitive shaft rotation transducer. 4,862,752, 9-5-89, Cl. 73-862.340.

Hoyt, David D. Golf ball holder. 4,840,332, 6-20-89, Cl. 224-274.000.

Hoyt, Dolph G., Jr. Putting practice device. 4,826,174, 5-2-89, Cl. 273-186.00R.

Hoyt, Donald L.: *See—*

Bou-Mikael, Sami; Alston, Robert B.; and Hoyt, Donald L., 4,819,724, Cl. 166-263.000.

Mims, Donald S.; and Hoyt, Donald L., 4,819,725, Cl. 166-271.000.

Hoyt, Earl H., Jr.: *See—*

Filice, Gary W.; and Hoyt, Earl H., Jr., 4,819,608, Cl. 124-23.00R.

Hoyt/Easton Archery Co., Inc.: *See—*

Filice, Gary W.; and Hoyt, Earl H., Jr., 4,819,608, Cl. 124-23.00R.

Tone, Richard, 4,846,142, Cl. 124-90.000.

Hoyt, Edward S.: *See—*

Horel, Timothy A.; Hoyt, Edward S.; and Walls, Lloyd A., 4,862,077, Cl. 324-158.00F.

Hoyt, John M.; and Blazey, Steven D., to National Distillers and Chemical Corporation. Phase transfer compounds as accelerators of soap/-sulfur vulcanization. 4,806,584, 2-21-89, Cl. 524-376.000.

Hoyt, John M.; and Blazey, Steven D., to National Distillers and Chemical Corporation. Sulfur vulcanization system for saturated elastomers having active halogen-containing cure sites. 4,808,669, 2-28-89, Cl. 525-330.400.

Hoyt, John M.; and Blazey, Steven D., to National Distillers and Chemical Corporation. Process for vulcanizing saturated elastomers with halogen cure sites. 4,876,315, 10-24-89, Cl. 525-346.000.

Hoyt, Robert: *See—*

Hancock, David; Hoyt, Robert; and Formica, Joseph, 4,855,579, Cl. 235-436.000.

Hoyt, Robert D.: *See—*

Gawlik, Gerald M.; Hoyt, Robert D.; and Anderson, Eugene A., 4,807,837, Cl. 248-125.000.

Hoyt, Roger F.; Jefferson, Carl M.; and Millman, Steven E., to International Business Machines Corporation. Magnetic transducer crash anticipation and response method and apparatus. 4,841,389, 6-20-89, Cl. 360-75.000.

Hoyt, Ronald F.: *See—*

Hess, Robert V.; Upchurch, Billy T.; Brown, Kenneth G.; Miller, Irvin M.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Hoyt, Ronald F., 4,839,330, Cl. 502-53.000.

Hoyt, Steven D., to W. H. Brady Co. Electronic labeler with printhead and web sensor combined for concurrent travel, and assemblies of identification devices therefor. 4,844,629, 7-4-89, Cl. 400-583.300.

Hoyt, Tim K.: *See—*

Thompson, John M.; and Hoyt, Tim K., 4,829,667, Cl. 29-858.000.

Hoyte, Lennox P. J.; and Houghton, Christopher L., to Digital Equipment Corporation. Bilingual CMOS to ECL output buffer. 4,890,019, 12-26-89, Cl. 307-475.000.

Hoyu Co., Ltd.: *See—*

Oishi, Takeshi; Nakanishi, Fumio; and Yamamoto, Toshihiko, 4,808,189, Cl. 8-408.000.

Hozumi, Kazuhiro; Arai, Masaru; and Saito, Yoshitane, to Kuroda Seiko Company Limited; and Nakamura Kiki Engineering Company Limited. Solenoid controlled valve. 4,889,164, 12-26-89, Cl. 137-625.640.

Hozumi, Toshio: *See—*

Ohtsuru, Masashi; and Hozumi, Toshio, 4,822,928, Cl. 570-190.000.

Hozumi, Toyoharu; and Ohshita, Yoshihiro, to Wakunaga Seiyaku Kabushiki Kaisha. Slide glass. 4,818,623, 4-4-89, Cl. 428-447.000.

HPM Corporation: *See—*

Bennett, Charles H., 4,886,106, Cl. 164-70.100.

Nunn, Robert E., 4,816,197, Cl. 264-40.600.

Nunn, Robert E., 4,850,217, Cl. 73-56.000.

HR Textron, Inc.: *See—*

Firth, Robert L., 4,855,047, Cl. 210-232.000.

Seleman, Don J.; and Honzik, Roy F., 4,812,235, Cl. 210-247.000.

Hrabal, Hans, to Hoerbiger Ventilwerke Aktiengesellschaft. Adjustable compressor valve which can accommodate changing operating conditions in the compressor to which it is attached. 4,799,507, 1-24-89, Cl. 137-516.210.

Hrabal, Hans, to Hoerbiger Ventilwerke Aktiengesellschaft. Adjustable compressor valve which can accommodate changing operating conditions in the compressor to which it is attached. 4,869,289, 9-26-89, Cl. 137-512.100.

Hrabal, Hans, to Hoerbiger Ventilwerke Aktiengesellschaft. Compressor plate valve. 4,869,291, 9-26-89, Cl. 137-516.210.

Hrabal, Hans, to Hoerbiger Ventilwerke Aktiengesellschaft. Screw compressor unit including a centrifugal clutch. 4,871,299, 10-3-89, Cl. 417-319.000.

Hradek, Richard W., to Litton Systems, Inc. Backup breathing gas supply for an oxygen concentrator system. 4,870,960, 10-3-89, Cl. 128-202.220.

Hrakas, Nicholaos K.: *See—*

Schaumann, Jon P.; Olander, Jitka V.; Hrakas, Nicholaos K.; and Feder, Joseph, 4,889,922, Cl. 530-413.000.

Hrametz, Andrew A.; and King, William B., to Halliburton Logging Services Inc. Well fluid flow velocity measuring apparatus including a spinner cartridge assembly. 4,852,401, 8-1-89, Cl. 73-155.000.

Hrassky, Petr, to SGS Halbleiter-Bauelemente GmbH. Control circuit for a brushless DC motor. 4,814,674, 3-21-89, Cl. 318-254.000.

Hrboka, Deso I. Automatic door locking assembly. 4,805,344, 2-21-89, Cl. 49-280.000.

Hrboticky, Karel, to Molins PLC. Tobacco feed system for cigarette making machine. 4,802,497, 2-7-89, Cl. 131-109.100.

Hrdlicka, Victor: *See—*

Stojkov, Mark; Flanagan, Patrick M.; Hrdlicka, Victor; Geither, John; and Everett, Dennis, 4,872,190, Cl. 378-75.000.

Hrebenar, Kevin R.: *See—*

Hayes, Michael E.; Hrebenar, Kevin R.; Murphy, Patricia L.; Futch Jr., Laurence E.; Deal III, James F.; and Bolden Jr., Paul L., 4,821,757, Cl. 137-13.000.

Hayes, Michael E.; Hrebenar, Kevin R.; Minor, Jennifer L.; and Woodworth, Lawrence M., 4,886,519, Cl. 44-51.000.

HRI, Inc.: *See—*

Comolli, Alfred G.; and McLean, Joseph B., 4,839,030, Cl. 208-403.000.

Hippo, Edwin J.; Comolli, Alfred G.; and O'Brien, Robert, 4,879,021, Cl. 208-413.000.

MacArthur, James B.; McLean, Joseph B.; and Comolli, Alfred G., 4,842,719, Cl. 208-421.000.

MacArthur, James B.; McLean, Joseph B.; and Comolli, Alfred G., 4,853,111, Cl. 208-421.000.

MacArthur, James B.; Comolli, Alfred G.; and McLean, Joseph B., 4,874,506, Cl. 208-413.000.

McLean, Joseph B.; Comolli, Alfred G.; and MacArthur, James B., 4,816,141, Cl. 208-413.000.

Tasker, Kenneth G.; and Milligan, John D., 4,863,884, Cl. 502-27.000.

Hrib, Nicholas J., to Hoechst-Roussel Pharmaceuticals, Inc. Method of synthesizing forskolin from 9-deoxyforskolin. 4,820,826, 4-11-89, Cl. 549-229.000.

Hrib, Nicholas J., to Hoechst Roussel Pharmaceuticals, Inc. Method of synthesizing forskolin from 9-deoxyforskolin. 4,822,896, 4-18-89, Cl. 549-229.000.

Hrib, Nicholas J.; and Jurcak, John G., to Hoechst-Roussel Pharmaceuticals, Inc. Arylpiperazinylalkoxy derivatives of cyclic imides to treat anxiety. 4,826,846, 5-2-89, Cl. 514-254.000.

Hrib, Nicholas J., to Hoechst-Roussel Pharmaceuticals, Inc. Forskolin intermediates. 4,882,440, 11-21-89, Cl. 549-383.000.

Hrib, Nicholas J., to Hoechst-Roussel Pharmaceuticals Inc. Oxolabdanes. 4,883,885, 11-28-89, Cl. 549-214.000.

Hrib, Nicholas J.; Shoger, Kirk D.; and Tegeler, John J., to Hoechst-Roussel Incorporated. Alkoxycarbonylalkylphospholipids and alkylaminocarbonylalkylphospholipids. 4,888.328, 12-19-89, Cl. 514-91.000.

Hribar, Frank, to Fluid Regulators Corp. Control system for fluid pressure operated actuator. 4,840,031, 6-20-89, Cl. 60-338.000.

Hribik, Walter F.: *See—*

Johnson, Russell W.; Hribik, Walter F.; and Hilfman, Lee, 4,849,095, Cl. 208-254.00H.

Hrinda, Michael E.: *See—*

Feldman, Fred; Klekamp, Mark S.; Hrinda, Michael E.; Shaw, Arthur B.; and Chandra, Sudhish, 4,876,241, Cl. 514-2.000.

Lee, Ted C. K.; and Hrinda, Michael E., 4,877,608, Cl. 424-85.800.

Hropot, Max: *See—*

Lang, Hans-Jochen; Hropot, Max; Granzer, Ernold; and Kerekjarto, Bela, 4,849,444, Cl. 514-425.000.

Hrubecky, Frederick J.: *See—*

Fay, James E., III; Hrubecky, Frederick J.; Mills, Doris A.; Gierke, Carl J.; Heikkinen, Wilbert; Williams, Rory D.; and Lang, James I., 4,834,774, Cl. 44-14.000.

Hrubes, Franz, to Micro-Epsilon Messtechnik GmbH & Co. KG. Error compensation method for transducers having non-linear characteristics, and an assembly for carrying out said method. 4,847,794, 7-11-89, Cl. 364-571.040.

Hrubiec, Robert T.: *See—*

Sartorelli, Alan C.; Shyam, Krishnamurthy; and Hrubiec, Robert T., 4,849,563, Cl. 514-155.000.

Hruby, Victor J.; Hadley, Mac E.; Dorr, Robert; Levine, Norman; Sugg, Elizabeth; and Cody, Wayne L., to University Patents, Inc. Method of stimulating integumental melanocytes by topical application of analogs of alpha-msh. 4,866,038, 9-12-89, Cl. 514-14.000.

Hruschka, Anton: *See—*

Loquenz, Heinz; Meissl, Siegfried; Schweiger, Helmut; Meindl, Norbert; Schwarzl, Karl; and Hruschka, Anton, 4,834,837, Cl. 162-19.000.

Hrusecky, David A., to International Business Machines Corporation. Accelerated validity response permitting early issue of instructions dependent upon outcome of floating point operations. 4,845,659, 7-4-89, Cl. 364-900.000.

Hruska, Louis W.; and Brown, Carl W., Jr., to ELTECH Systems Corporation. Porous separator comprising inorganic/polymer composite fiber and method of making same. 4,853,101, 8-1-89, Cl. 204-296.000.

Hrustich, John; and Jackson, Earl W., Jr., to International Business Machines Corporation. Method and apparatus for synchronizing clocks prior to the execution of a flush operation. 4,827,401, 5-2-89, Cl. 364-200.000.

Hryhorcoff, Dan: *See—*

Acker, William L., III; Hryhorcoff, Dan; and Powell, Gary T., 4,844,489, Cl. 279-4.000.

Hrysko, Paul W., to Dunlop Construction Products Inc. Means for attaching sheet material to a substrate. 4,799,845, 1-24-89, Cl. 411-542.000.

HS Veglio S.r.l.: *See—*

Veglio, Oreste, 4,860,722, Cl. 125-15.000.

Hsia, Chung H.: *See—*

Owen, Hartley; Hsia, Chung H.; and Wright, Bernard S., 4,832,920, Cl. 422-190.000.

Wright, Bernard S.; Owen, Hartley; and Hsia, Chung H., 4,832,919, Cl. 422-190.000.

Hsia, Edward S.; Starkweather, John H.; and Koffel, William K., to United States of America, Air Force. Variable nozzle area turbine vane cooling. 4,798,515, 1-17-89, Cl. 415-115.000.

Hsia, James C., to Laser Science, Inc. Laser plasma chamber. 4,817,107, 3-28-89, Cl. 372-61.000.

Hsia, Jen-Chang. Pasteurizable, freeze-driable hemoglobin-based blood substitute. 4,857,636, 8-15-89, Cl. 530-385.000.

Hsia, Steve K.; Mahal, Pritpal S.; and Shih, Wei-Ren, to Catalyst Semiconductor, Inc. Process for making a high density split gate nonvolatile memory cell. 4,861,730, 8-29-89, Cl. 437-43.000.

Hsiao, Charles; and Chou, Chi T., to Key Pharmaceuticals, Inc. Controlled release potassium chloride. 4,863,743, 9-5-89, Cl. 424-476.000.

Hsiao, Charles, to Baker Cummins Pharmaceuticals, Inc. Taste concealing pharmaceutical dosage unit. 4,874,613, 10-17-89, Cl. 424-458.000.

Hsiao, Charles H.; and Kent, John S., to Syntex Pharmaceuticals International Limited. Controlled release naproxen and naproxen sodium tablets. 4,803,079, 2-7-89, Cl. 424-468.000.

Hsiao, Cheng-Kuo: *See—*

Loutfy, Rafik O.; Hor, Ah-Mee; Liebermann, George; Toth, Alan J; Hsiao, Cheng-Kuo; Carmichael, Kathleen M.; and Tokoli, Emery G., 4,882,254, Cl. 430-59.000.

Hsiao, Chi-nung W.; and Miller, Marvin J., to University of Notre Dame du Lac. Process for intermediates to 1-carbapenems and 1-carbacephems. 4,845,229, 7-4-89, Cl. 548-110.000.

Hsiao, Chu-lai; Mason, Bruce B.; and Davis, Alan R., to American Home Products Corporation. Production of rotavirus in yeast. 4,853,333, 8-1-89, Cl. 435-256.000.

Hsiao, Hsin I. Separable valve assembly including a valve mount and a valve body. 4,798,225, 1-17-89, Cl. 137-454.200.

Hsiao, Jane: *See—*

Fishman, Jack; Arnold, John; Sherman, Fred; and Hsiao, Jane, 4,873,076, Cl. 424-10.000.

Hsiao, Suei-Tien. Wheel-driving straightener for straightening longitudinal cylindrical member. 4,821,547, 4-18-89, Cl. 72-93.000.

Hsieh, Bing R.; Gruber, Robert J.; and Koehler, Richard F., to Xerox Corporation. Process for encapsulated toner compositions with oligomeric surfactant emulsifiers. 4,851,318, 7-25-89, Cl. 430-137.000.

Hsieh, C. Richard; King, Desmond F.; Pettersen, Frederick A.; and Shargay, Cathleen A., to Chevron Research Company. Method for liquid feed dispersion in fluid catalytic cracking systems. 4,875,996, 10-24-89, Cl. 208-157.000.

Hsieh, Chen-Huang. Straight type fluorescent lamp device with light reflecting plates. 4,814,958, 3-21-89, Cl. 362-217.000.

Hsieh, Chung-Lu: *See—*

Colborn, David W.; Campbell, G. Edward; Smith, William L.; Hsieh, Chung-Lu; Swatling, Donald K.; and Arbogast, Peter C., 4,863,633, Cl. 252-187.260.

Hsieh, Eric T.: *See—*

McDaniel, Max P.; Klendworth, Douglas; Norwood, Donald D.; Hsieh, Eric T.; and Boggs, Elizabeth A., 4,820,785, Cl. 526-105.000.

Hsieh, George: *See—*

Cocherell, Francis E.; Harper, Homer C.; and Hsieh, George, 4,812,306, Cl. 424-52.000.

Hsieh, Gerald W. Running and cycling shoe. 4,876,808, 10-31-89, Cl. 36-131.000.

Hsieh, Hung-Cheng, to Xilinx, Incorporated. TTL/CMOS compatible input buffer. 4,820,937, 4-11-89, Cl. 307-475.000.

Hsieh, Hung-Cheng, to Xilinx, Incorporated. 5-transistor memory cell with known state on power-up. 4,821,233, 4-11-89, Cl. 365-203.000.

Hsieh, Hung-Cheng, to Xilinx, Inc. Three-state bidirectional buffer. 4,835,418, 5-30-89, Cl. 307-473.000.

Hsieh, Hung-Cheng; and Carter, William S., to Xilinx, Inc. Buffered routing element for a user programmable logic device. 4,855,619, 8-8-89, Cl. 307-443.000.

Hsieh, J. T. T., to Mobil Oil Corporation. Modified chromium-containing catalyst composition for polymerizing alpha-olefins and method of preparing same. 4,801,572, 1-31-89, Cl. 502-242.000.

Hsieh, J. T. T., to Mobil Oil Corporation. Catalyst composition for polymerizing alpha olefins. 4,816,432, 3-28-89, Cl. 502-107.000.

Hsieh, Jiang, to Siemens Gammasonics, Inc. Scintillation camera and three dimensional multifocal collimator used therewith. 4,820,924, 4-11-89, Cl. 250-363.100.

Hsieh, Jiang, to Siemens Gammasonics, Inc. Scintillation camera and multifocal fan-beam collimator used therein. 4,823,017, 4-18-89, Cl. 250-363.030.

Hsieh, Jih-Han, to Celgene Corporation. Semi-continuous fermentation process for aromatic hydrocarbon bioconversion. 4,833,078, 5-23-89, Cl. 435-142.000.

Hsieh, John T. T., to Mobil Oil Corporation. Magnesium oxide-supported Ziegler catalyst modified with acid and higher alkanol, and process for preparing narrow MWD HDPE. 4,863,886, 9-5-89, Cl. 502-125.000.

Hsieh, Kuan H., to Hughes Aircraft Company. Making complementary integrated p-MODFET and n-MODFET. 4,830,980, 5-16-89, Cl. 437-56.000.

Hsieh, Kun-Chih; Chow, Jien-Hung; and Chen, Hsin-Chien. Compound device for punching and binding. 4,872,796, 10-10-89, Cl. 412-16.000.

Hsieh, Martin Y., to GTE Products Corporation. Sialon containing high content of alpha prime phase. 4,873,210, 10-10-89, Cl. 501-98.000.

Hsieh, Martin Y., to GTE Products Corporation. Formation of lanthanum aluminate. 4,879,079, 11-7-89, Cl. 264-56.000.

Hsieh, Martin Y., to GTE Products Corporation. High density silicon nitride bodies. 4,879,080, 11-7-89, Cl. 264-63.000.

Hsieh, Min-Lang; Huang, Jan-Hong; Jan, Lian; and Guan, Gang-Shyr, to Industrial Technology Research Institute. Automated apparatus for transporting, lining-up and stowing cylindrical fragile bodies. 4,882,895, 11-28-89, Cl. 53-531.000.

Hsieh, Ning; and Kuo, Clinton C. Single transistor cell for electrically-erasable programmable read-only memory and array thereof. 4,878,101, 10-31-89, Cl. 357-23.500.

Hsieh, Ron C.; Johnson, Steven M.; and Dudek, Daniel H., to McCormick & Company, Inc. Process for sterilization of spices and leafy herbs. 4,844,933, 7-4-89, Cl. 426-521.000.

Hsieh, Shane, to Hoechst Celanese Corporation. Phenoxy propanol containing developer compositions for lithographic plates having neutral pH. 4,851,324, 7-25-89, Cl. 430-331.000.

Hsieh, Shane: *See—*

Dhillon, Major S.; Hsieh, Shane; and Seeley, Douglas A., 4,873,174, Cl. 430-309.000.

Hsieh, Shang-Ju: *See—*

Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.

- Hsieh, Shao-Rong R.: *See—*
  - Sanctuary, Clifford; Amour, Sean; and Hsieh, Shao-Rong R., 4,813,877, Cl. 434-14.000.
- Hsieh, Shaung-shii: *See—*
  - Gu, Zheng-xing; and Hsieh, Shaung-shii, 4,804,462, Cl. 209-167.000.
- Hsieh, Wen-Ching, to Union Oil Company of California. Enhanced oil recovery composition. 4,795,772, 1-3-89, Cl. 524-159.000.
- Hsieh, Wen-Ching, to Union Oil Company of California. Enhanced oil recovery composition. 4,808,648, 2-28-89, Cl. 524-156.000.
- Hsieh, Wen-Ching, to Union Oil Company of California. Enhanced oil recovery method employing an aqueous polymer. 4,836,282, 6-6-89, Cl. 166-273.000.
- Hsieh, Wen-Ching: *See—*
  - Koepke, Jeffery W.; Hsieh, Wen-Ching; and Bostich, June M., 4,847,018, Cl. 562-33.000.
- Hsieh, Wu H. Carrying holder. 4,799,610, 1-24-89, Cl. 224-266.000.
- Hsieh, Yih-Shou: *See—*
  - Lin, J. Y.; Hsieh, Yih-Shou; and Chu, Shu-Chen, 4,855,055, Cl. 210-635.000.
- Hsien, James C. Golf club head with variable center of gravity. 4,883,274, 11-28-89, Cl. 273-164.000.
- Hsien, Simon. Aesthetically pleasing air freshener. 4,860,953, 8-29-89, Cl. 239-47.000.
- Hsing, Hsiau C. Pull roller mount for sewing machines. 4,854,254, 8-8-89, Cl. 112-305.000.
- Hsiung, Charles J. Adjustable film cartridge. 4,887,111, 12-12-89, Cl. 354-275.000.
- Hsiung, Hansen M.; and Smith, Dennis P., to Eli Lilly and Company. Expression control sequences. 4,795,706, 1-3-89, Cl. 435-172.300.
- Hsiung, Nancy: *See—*
  - Reddy, Vermuri B.; Hsiung, Nancy; Beck, Anton K.; and Bernstine, Edward G., 4,840,896, Cl. 435-68.000.
- Hsiung, Thomas H.: *See—*
  - Brown, Dennis M.; Hsiung, Thomas H.; Rao, Pradip; and Roberts, George W., 4,801,574, Cl. 502-342.000.
  - White, James F.; and Hsiung, Thomas H., 4,829,039, Cl. 502-152.000.
- Hsiung, Yen W. Packaging of electrical components. 4,866,574, 9-12-89, Cl. 361-424.000.
- Hsu, Adam C. Dihaloformaldoxime. 4,879,314, 11-7-89, Cl. 514-640.000.
- Hsu, Adam C. T.; and Lein, Geore M., Jr., to Rohm and Haas Company. Preparation of halo substituted isothiazolones. 4,861,896, 8-29-89, Cl. 548-213.000.
- Hsu, Chao-Yang, to Sun Refining and Marketing Company. Process for the selective formation of dialkyl succinates. 4,827,023, 5-2-89, Cl. 560-204.000.
- Hsu, Chao-Yang, to Sun Refining and Marketing Company. Process for production of cinnamates. 4,855,485, 8-8-89, Cl. 560-104.000.
- Hsu, Chi-Chu; Yu, Chin-ching; Chao, Suyueh; and Huang, Miguel C. J. Electric bicycle. 4,871,042, 10-3-89, Cl. 180-220.000.
- Hsu, Chi-Chu: *See—*
  - Huang, Miguel E. J.; Chao, Suyueh; Yu, Chin-Ching; and Hsu, Chi-Chu, 4,811,495, Cl. 34-131.000.
- Hsu, Chi-Heng. Electronic parking sensor apparatus. 4,855,736, 8-8-89, Cl. 340-901.000.
- Hsu, Chi Ming L.: *See—*
  - Benjamin, Earl J.; Ke, Charles H.; Hynson, Richard B.; and Hsu, Chi Ming L., 4,847,104, Cl. 426-549.000.
- Hsu, Chia-Tsong. Cooler-dehumidifier-filter 3-in-one apparatus for treating compressed air. 4,889,544, 12-26-89, Cl. 55-218.000.
- Hsu, Chien C.: *See—*
  - Chang, Fung M.; Hsu, Chien C.; and Chen, Wen C., 4,798,125, Cl. 91-49.000.
- Hsu, Chien-Na. Audio-actuated digital clock with double selections. 4,800,544, 1-24-89, Cl. 368-69.000.
- Hsu, Chien-Yeh; McGee, Frank J.; and Banks, Roger L., to Wangner Systems Corporation. Method for manufacture of paper making fabrics. 4,878,278, 11-7-89, Cl. 28-142.000.
- Hsu, David. Soldering tool. 4,858,593, 8-22-89, Cl. 126-414.000.
- Hsu, David K.; and Thompson, Donald O., to Iowa State University Research Foundation, Inc. Method for fabricating prescribed flaws in the interior of metals. 4,810,462, 3-7-89, Cl. 419-8.000.
- Hsu, Edward J. Automated method for a semi-solid fermentation used in the production of ancient quality rice vinegar and/or rice wine. 4,808,419, 2-28-89, Cl. 426-13.000.
- Hsu, Eric T.: *See—*
  - Frost, Johnathan E.; Hsu, Eric T.; Jackson, David M.; Olsen, Thomas G.; and Popp, Robert L., 4,883,549, Cl. 156-161.000.
- Hsu, Feng-Hsiung: *See—*
  - Kung, Hsiang-Tsung; Hsu, Feng-Hsiung; Sussman, Alan L.; and Nishizawa, Teiji, 4,807,183, Cl. 364-900.000.
- Hsu, Frank H.; and Dech, James A., to Atlantic Richfield Company. System and method for providing multiple wells from a single wellbore. 4,807,704, 2-28-89, Cl. 166-313.000.
- Hsu, Fu-Chieh, to Integrated Device Technology, Inc. Method of making a static RAM cell with trench pull-down transistors and buried-layer ground plate. 4,876,215, 10-24-89, Cl. 437-60.000.
- Hsu, Fu-Chieh: *See—*
  - Chiu, Kuang Y.; and Hsu, Fu-Chieh, 4,843,023, Cl. 437-34.000.
- Hsu, Fu Kuo: *See—*
  - Birnoach, Curtis; and Hsu, Fu Kuo, 4,854,669, Cl. 350-162.120.
- Hsu, Gean-Chung: *See—*
  - Coghran, David S.; and Hsu, Gean-Chung, 4,870,332, Cl. 318-254.000.
- Hsu, Grace F.; and Colonel, Richard C., to Boeing Company. The Plated structure exhibiting low hydrogen embrittlement. 4,818,632, 4-4-89, Cl. 428-613.000.
- Hsu, Henry C. Sound absorbent slats for window blinds. 4,884,615, 12-5-89, Cl. 160-236.000.
- Hsu, Hui-Pin: *See—*
  - de La Chapelle, Michael; Hsu, Hui-Pin; Lewis, Gib F.; and Mantele, John E., 4,832,433, Cl. 350-96.150.
- Hsu, In-Shek: *See—*
  - Shao, Howard M.; Truong, Trieu-Kie; Hsu, In-Shek; and Deutsch, Leslie J., 4,868,828, Cl. 371-5.100.
  - Truong, Trieu-Kie; Hsu, In-Shek; and Reed, Irving S., 4,845,72 Cl. 377-123.000.
- Hsu, Jacob: *See—*
  - Matelan, M. Nicholas; Leete, Thomas G.; Zsohar, Leslie; Blanchard, Michael K.; Naeini, Abdolreza; Hsu, Jacob; and Smith, Dennis K., 4,870,704, Cl. 364-200.000.
- Hsu, Jau Y.; Larson, Gary J.; and Wedral, Elaine R., to Nestec S.A. Preparation of pasta. 4,828,852, 5-9-89, Cl. 426-94.000.
- Hsu, Je-Jung; and Chen, Hsing-Hai, to Industrial Technology Research Institute; and Chung Shan Institute of Science and Technology. Method of making a gated isolated structure. 4,849,366, 7-18-89, Cl. 437-42.000.
- Hsu, Joseph: *See—*
  - Kao, Jamee; and Hsu, Joseph, 4,795,515, Cl. 156-197.000.
  - Kao, Jamee; and Hsu, Joseph, 4,871,006, Cl. 160-84.100.
- Hsu, Joseph C.; and Steen, Robert A., to American National Can Company. Method for making package having oil-containing product. 4,812,319, 3-14-89, Cl. 426-127.000.
- Hsu, Joseph C.; and Guckenberger, Anthony C., to American National Can Company. Package having inseparable seals and a modified ply-separation opening. 4,881,649, 11-21-89, Cl. 206-634.000.
- Hsu, Jui-Fu. Gas soldering iron. 4,805,593, 2-21-89, Cl. 126-414.000.
- Hsu, Kai; and Wiggins, Ralphe, to Schlumberger Technology Corporation. Method and apparatus for determining the magnitude of components of measurements made from inside a borehole. 4,809,236, 2-28-89, Cl. 367-28.000.
- Hsu, Kai; Brie, Alain; and Plumb, Richard A., to Schlumberger Technology Corporation. Method and apparatus for detecting and evaluating borehole wall fractures. 4,870,627, 9-26-89, Cl. 367-69.000.
- Hsu, Kai: *See—*
  - Brie, Alain; Hsu, Kai; and Plumb, Richard A., 4,888,740, Cl. 367-30.000.
- Hsu, Kevin; Rao, Srinivas T.; and Kaukeinen, Joseph Y., to Eastman Kodak Company. Method of making a fiber optic array. 4,875,969, 10-24-89, Cl. 156-633.000.
- Hsu, Li-Chien; and Tong, Sun D., to Baxter International Inc. Ionic heparin coating. 4,871,357, 10-3-89, Cl. 604-266.000.
- Hsu, Long S.: *See—*
  - Dew, Douglas K.; Hsu, Long S.; and Halpern, Steven J., 4,854,320, Cl. 128-397.000.
- Hsu, May M.: *See—*
  - Jamieson, John; and Hsu, May M., 4,845,373, Cl. 250-548.000.
- Hsu, Michael S. High performance electrochemical energy conversion systems. 4,853,100, 8-1-89, Cl. 204-256.000.
- Hsu, Ming-Ta S.: *See—*
  - Riccitiello, Salvatore R.; Hsu, Ming-Ta S.; and Chen, Timothy S., 4,851,491, Cl. 528-4.000.
- Hsu, Sheng H., to Nestec S.A. Agglomeration process. 4,840,809, 6-20-89, Cl. 426-285.000.
- Hsu, Sheng T., to General Electric Company. Radiation hardened semiconductor device and method of making the same. 4,797,721, 1-10-89, Cl. 357-23.700.
- Hsu, Sheng T., to General Electric Company. MOS VLSI device having shallow junctions and method of making same. 4,841,347, 6-20-89, Cl. 357-23.900.
- Hsu, Shih C.: *See—*
  - Raman, Ramaswamy V.; and Hsu, Shih C., 4,854,980, Cl. 148-403.000.
- Hsu, Shing-Wang. Coupling member for securing a drilling head to the rotatable rod of a pneumatic tool body. 4,874,181, 10-17-89, Cl. 279-1.00A.
- Hsu, Sung-Peng: *See—*
  - Snow, Michael G.; Tyler, William R.; Hsu, Sung-Peng; and Fallas, Robert J., 4,796,639, Cl. 128-719.000.
- Hsu, Te-Chuan: *See—*
  - Chiu, Edison H.; Tai, Jy-Der; and Hsu, Te-Chuan, 4,837,743, Cl. 371-51.000.
- Hsu, Ten-hu; Brown, Watson F.; and Saimre, Jerry J., to NVF Company. Crossband and crossbanding. 4,822,440, 4-18-89, Cl. 156-307.500.
- Hsu, Tony T. Stuffed toy with enclosed fluid container. 4,816,000, 3-28-89, Cl. 446-74.000.
- Hsu, Walter W. Combined punch and clip. 4,802,789, 2-7-89, Cl. 402-1.000.
- Hsu, Wan-Jean: *See—*
  - Yokoyama, Henry; Hsu, Wan-Jean; Poling, Stephen M.; and Hayman, Ernest P., 4,797,153, Cl. 71-121.000.
- Hsu, Wei-Chan; Krenik, William R.; and Hellums, James R., to Texas Instruments Incorporated. Folded cascode amplifier with rail-to-rail common-mode range. 4,797,631, 1-10-89, Cl. 330-253.000.
- Hsu, Wei-Chan: *See—*
  - Krenik, William R.; and Hsu, Wei-Chan, 4,845,675, Cl. 365-203.000.
  - Krenik, William R.; Hsu, Wei-chan; and Nail, Richard, 4,887,048, Cl. 330-258.000.
- Hsu, Wen L., to United States of America, Energy. Getter pump for hydrogen and hydrocarbon gases. 4,820,226, 4-11-89, Cl. 445-55.000.
- Hsu, Wen L.: *See—*
  - Halasa, Adel F.; Robertson-Wilcox, Sylvia E.; Zanzig, David J.; Arconti, Richard J.; and Hsu, Wen L., 4,845,165, Cl. 526-78.000.
- Hsu, Wen-Liang: *See—*
  - Wideman, Lawson G.; and Hsu, Wen-Liang, 4,797,452, Cl. 525-338.000.
- Hsu, Wu-Hsiung E., to Forintek Canada Corp. Apparatus for steam pressing compressible mat material. 4,850,849, 7-25-89, Cl. 425-407.000.
- Hsu, Yarsun; and Li, Hungwen, to International Business Machines Corporation. Programmable variable-cycle clock circuit for skew-tolerant array processor architecture. 4,851,995, 7-25-89, Cl. 364-200.000.
- Hsu, Yun-Tung. Fan for moving fluid axially and radially. 4,822,246, 4-18-89, Cl. 416-175.000.
- Hsu, Yung-Shing. Two-stage power driving system for powder actuated tools. 4,830,254, 5-16-89, Cl. 227-10.000.
- Hsue, Ching-Wen; and Lee, Wha-Joon, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for verifying the continuity between a circuit board and a test fixture. 4,841,240, 6-20-89, Cl. 324-158.00P.
- Hsue, Ching-Wen, to American Telephone and Telegraph Company. Method and apparatus for distributing a signal. 4,877,971, 10-31-89, Cl. 307-11.000.
- Hsueh, Fu-Cheng. Fuse holder for connecting a flat-type fuse block between a pair of wires. 4,830,631, 5-16-89, Cl. 439-622.000.
- Hsueh, Fu-Cheng. Fuse holder for holding a flat-type fuse block. 4,880,398, 11-14-89, Cl. 439-622.000.
- Hsueh, Liming; and Reed, Marion G., to Chevron Research Company. Method of controlling permeability damage of hydrocarbon formations during steam injection while preventing pipe corrosion. 4,802,533, 2-7-89, Cl. 166-252.000.
- HT Chemicals, Inc.: *See—*
  - Shalon, Yehuda, 4,882,047, Cl. 210-198.200.
- Hu, Can B.; Solomon, Donald D.; and Williamitis, Victor A., to Becton, Dickinson and Company. Method for preparing lubricated surfaces. 4,842,889, 6-27-89, Cl. 427-38.000.
- Hu, Can B.; Solomon, Donald D.; and Shields, Nancy L., to Becton, Dickinson and Company. Method for rendering a substrate surface antithrombogenic. 4,865,870, 9-12-89, Cl. 427-2.000.
- Hu, Charles C.: *See—*
  - Mix, Jerome M.; and Hu, Charles C., 4,820,938, Cl. 307-117.000.
- Hu, Dye-Chung. Toilet paper case. 4,844,368, 7-4-89, Cl. 242-55.530.
- Hu-Friedy Manufacturing Co., Inc.: *See—*
  - Riihimaki, Roy; D'Amico, Richard; and Zoll, Karl, 4,854,475, Cl. 220-337.000.
- Hu, James C.: *See—*
  - Wu, Tsung-Ching; Chern, Geeng-Chuan; and Hu, James C., 4,859,619, Cl. 437-43.000.
- Hu, King L.: *See—*
  - Tully, John W.; O'Brien, Benedict B.; Hant, William; and Hu, King L., 4,839,303, Cl. 437-31.000.
- Hu, Mae W.; and Singh, Prithipal, to Syntex (U.S.A.) Inc. Nortriptyline conjugates to antigenic proteins and enzymes. 4,795,822, 1-3-89, Cl. 560-10.000.
- Hu Ong, Helen: *See—*
  - Schonafinger, Karl; and Hu Ong, Helen, 4,880,818, Cl. 514-313.000.
- Hu, Patrick C.: *See—*
  - Wiegand, Karl E.; and Hu, Patrick C., 4,870,191, Cl. 549-214.000.
- Hu, Shing-Bun: *See—*
  - Shu, Chi-Yao, 4,856,296, Cl. 62-430.000.
- Hu, Yung-Haw: *See—*
  - Chance, Dudley A.; and Hu, Yung-Haw, 4,870,539, Cl. 361-321.000.
- Hua, Chang-Hwang; Day, Ding-Yuan S.; and Chan, Simon S., to Avantek, Inc. Method of forming completely metallized via holes in semiconductors. 4,808,273, 2-28-89, Cl. 204-15.000.
- Hua, Chang-Hwang; Day, Ding-Yuan S.; and Chan, Simon S., to Avantek, Inc. Method of selective via-hole and heat sink plating using a metal mask. 4,842,699, 6-27-89, Cl. 204-15.000.
- Hua, Van T.: *See—*
  - Nichols, John L.; Wang, David; Kirkpatrick, Edward; Viehweg, Clark M.; Morton, Edwin S.; and Hua, Van T., 4,860,112, Cl. 358-400.000.
- Hua, Wang, to Chengdu Aircraft Corporation. Continuous spark electronic igniter. 4,840,165, 6-20-89, Cl. 123-606.000.
- Huang, Alan: *See—*
  - Brenner, Karl-Heinz; and Huang, Alan, 4,842,370, Cl. 350-321.000.
- Huang, Carl: *See—*
  - Baker, Richard W.; Kochinke, Frank; and Huang, Carl, 4,839,174, Cl. 424-447.000.
- Huang, Chao-Kuei. Rotary lock swtich for switching and resetting a computer. 4,890,006, 12-26-89, Cl. 307-112.000.
- Huang, Chau-Ting; Pelosi, Stanford S., Jr.; and Bayless, Allan V., to Norwich Eaton Pharmaceuticals, Inc. N-hydroxy-5-phenyl-2-furancarboximidamides useful as cardiotonic agents. 4,882,354, 11-21-89, Cl. 514-461.000.
- Huang Chen Correction Fluid Industry Co. Ltd.: *See—*
  - Lin, Feng-Yu, 4,813,463, Cl. 141-351.000.
- Huang, Cheng-Chung, to Lockheed Missiles & Space Company, Inc. Optical heterodyne roughness measurement system. 4,848,908, 7-18-89, Cl. 356-349.000.
- Huang, Chente, to Amoco Corporation. Process for manufacturing polyalkenyl succinic anhydrides. 4,883,886, 11-28-89, Cl. 549-255.000.
- Huang, Chialang; and Vernice, Gerald G., to BOC, Inc. Method for the preparation of fluoromethyl 1,1,1,3,3,3-hexafluoro-2-propyl ether. 4,874,902, 10-17-89, Cl. 568-683.000.
- Huang, Chien-Feng. Apparatus for precipitating exhausted smoke from a chimney. 4,859,219, 8-22-89, Cl. 55-223.000.
- Huang, Chin-Hwa. Rotary line switch. 4,816,623, 3-28-89, Cl. 200-11.00R.
- Huang, Chin-Hwa. Water and air whirlpooling double flush toilet clog remover. 4,847,923, 7-18-89, Cl. 4-256.000.
- Huang, Chin-Jung: *See—*
  - Williams, John P.; Huang, Chin-Jung; and Shyu, Wen-Chyi, 4,838,052, Cl. 70-63.000.
- Huang, Chin-Teh; and Jefferies, Steven R., to Dentsply Research & Development Corp. Dual bonding adhesive composition. 4,814,423, 3-21-89, Cl. 528-230.000.
- Huang, Chin-Teh: *See—*
  - Blackwell, Gordon B.; and Huang, Chin-Teh, 4,816,495, Cl. 522-14.000.
  - Jefferies, Steven R.; and Huang, Chin-Teh, 4,875,858, Cl. 433-226.000.
- Huang, Ching-Chung: *See—*
  - Fleming, Hubert L.; Edd, Jon F.; Pearson, Alan; Chou, Chin-Liang; Kono, Hisashi O.; and Huang, Ching-Chung, 4,797,271, Cl. 423-625.000.
- Huang, Chuan-Guo. Fully automatic single-person operated grease injection device. 4,819,764, 4-11-89, Cl. 184-36.000.
- Huang, Chuan H. Roller skate. 4,807,893, 2-28-89, Cl. 280-11.200.
- Huang, Chuang-Pang. Water level detector and circuit for an electric humidifier. 4,820,453, 4-11-89, Cl. 21-26.000.
- Huang, Chung-Chen, to Teh Yor Industrial Co., Ltd. Apparatus and method for trimming a venetian blind assembly. 4,819,530, 4-11-89, Cl. 83-39.000.
- Huang, Chung-Hua. Microprocessor parking meter internally held in a car. 4,847,776, 7-11-89, Cl. 364-467.000.
- Huang, Dinah C.; and Braden, Jeffrey L., to United Catalyst Inc. High temperature shift catalyst and process for its manufacture. 4,861,745, 8-29-89, Cl. 502-314.000.
- Huang, Feng M.; and Lu, Tsann T. Album with replaceable front cover. 4,831,756, 5-23-89, Cl. 40-158.100.
- Huang, Frank, to Worthington Foods, Inc. Method of treating liquid egg and egg white with microwave energy to increase refrigerated shelf life. 4,853,238, 8-1-89, Cl. 426-241.000.
- Huang, Fred G., to Hewlett-Packard Company. Crosstalk reduction in unshielded twisted-pair lines. 4,875,205, 10-17-89, Cl. 370-6.000.
- Huang, Fu-chih, to Rorer Pharmaceutical Corporation. Therapeutic substituted semicarbazides. 4,866,173, 9-12-89, Cl. 544-224.000.
- Huang, Fu-chih, to Rorer Pharmaceutical Corporation. Bis-imidazolinoamino derivatives as antiallergy compounds. 4,889,868, 12-26-89, Cl. 514-392.000.
- Huang, Fu J.: *See—*
  - Cheng, Wan J.; Lin, Fu S.; Jong, Yuh L.; and Huang, Fu J., 4,866,179, Cl. 546-250.000.
- Huang, Gwo-Ming. Multi-functional stationary bike for gymnastic purpose. 4,842,269, 6-27-89, Cl. 272-73.000.
- Huang, Harrison, to Glory Formosa Co., Ltd. Box for pins and staples. 4,796,780, 1-10-89, Cl. 221-154.000.
- Huang, Harrison, to Glory Formosa Co., Ltd. Cassette tape holding box and dispenser. 4,817,798, 4-4-89, Cl. 206-411.000.
- Huang, Harrison, to Glory Formosa Co., Ltd. Carton size modifier. 4,825,549, 5-2-89, Cl. 30-293.000.
- Huang, Harrison, to Glory Formosa Co., Ltd. Device for organizing disk implements and dispensing single sheets of paper. 4,865,223, 9-12-89, Cl. 221-259.000.
- Huang, Ho-Chung, to United States of America, National Aeronautics and Space Administration. Microwave field effect transistor. 4,843,440, 6-27-89, Cl. 357-22.000.
- Huang, Hong Y. Three-dimensional labyrinth. 4,824,098, 4-25-89, Cl. 272-19.000.
- Huang, Hua-Feng, to Du Pont de Nemours, E. I., and Company. Microwave susceptor packaging material. 4,833,007, 5-23-89, Cl. 428-242.000.
- Huang, Huei-Huay: *See—*
  - Hong, Rong-Fang; and Huang, Huei-Huay, 4,794,901, Cl. 123-533.000.
- Huang, Jan-Hong: *See—*
  - Hsieh, Min-Lang; Huang, Jan-Hong; Jan, Lian; and Guan, Gang-Shyr, 4,882,895, Cl. 53-531.000.
- Huang, Jei-Shyong: *See—*
  - Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.
- Huang, Jin L.: *See—*
  - Huang, Jin S.; and Huang, Jin L., 4,875,849, Cl. 425-589.000.
- Huang, Jin S.; and Huang, Jin L. Rubber shaping machine. 4,875,849, 10-24-89, Cl. 425-589.000.
- Huang, Joel C.: *See—*
  - Johnson, David B.; Ebersole, Ronald J.; Huang, Joel C.; Neugebauer, Manfred; Page, Steven R.; and Self, Keith S., 4,853,846, Cl. 364-200.000.
- Huang, John Y.; and Chern, Geeng-Chuan, to Atmel Corporation. EEPROM fabrication process. 4,833,096, 5-23-89, Cl. 437-29.000.
- Huang, John Y.: *See—*
  - Schumann, Steven J.; and Huang, John Y., 4,851,361, Cl. 437-030.000.

Huang, Jyh-Chian, to Tatung Company of America, Inc. Portable electric fan having a universally adjustable mounting. 4,850,804, 7-25-89, Cl. 416-246.000.

Huang, Ken Y.: *See—*

Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., 4,883,244, Cl. 244-171.000.

Huang, Koa-Cherng, to Han Chi Hang Co., Ltd. Auto turning-off humidifier. 4,853,161, 8-1-89, Cl. 261-81.000.

Huang, Kuoan: *See—*

Shyu, Jia-Ming; Huang, Kuoan; and Liu, Jung-Lung, 4,802,156, Cl. 369-132.000.

Huang, Leaf, to University of Tennessee Research Corporation, The. Preparation of solid core liposomes. 4,839,111, 6-13-89, Cl. 264-4.600.

Huang, Leeyuan; Koupal, Lawrence; Dunn, Joseph, Jr.; Liesch, Jerrold M.; Hensens, Otto; and Woodruff, H. Boyd, to Merck & Co., Inc. Renin-inhibitory pepstatin phenyl derivatives. 4,874,745, 10-17-89, Cl. 514-18.000.

Huang, Leeyuan: *See—*

Borris, Robert P.; Burg, Richard W.; Hensens, Otto D.; Huang, Leeyuan; Kelemen, Livia; and Mochales, Sagrario, 4,814,324, Cl. 514-26.000.

Huang, Liang: *See—*

Chen, Yen-rong; Yang, Ming-he; Huang, Liang; Liu, Geng-tao; and Benz, Ulrich, 4,879,390, Cl. 548-453.000.

Yang, Ming-he; Chen, Yan-rong; Liu, Geng-tao; and Huang, Liang, 4,826,873, Cl. 514-467.000.

Huang, Mao-Yac; and Louvar, Joseph F., to BASF Corporation. Wastewater treatment. 4,824,561, 4-25-89, Cl. 210-96.100.

Huang, Mekking. Shirt folding machine. 4,889,264, 12-26-89, Cl. 223-37.000.

Huang, Miguel C. J.: *See—*

Hsu, Chi-Chu; Yu, Chin-ching; Chao, Suyueh; and Huang, Miguel C. J., 4,871,042, Cl. 180-220.000.

Huang, Miguel E. J.; Chao, Suyueh; Yu, Chin-Ching; and Hsu, Chi-Chu. Laundry drier. 4,811,495, 3-14-89, Cl. 34-131.000.

Huang, Min N.; Lary, Steven R.; and McFarlane, Claude L., to DEC International Inc. Food product press. 4,817,511, 4-4-89, Cl. 99-349.000.

Huang, Ming-Chi: *See—*

Wu, Ko-Lee; and Huang, Ming-Chi, 4,852,782, Cl. 224-226.000.

Huang, Ming Y.; and You, Jau N. Collecting device for polyethylene-sheet calendar manufacturing machine. 4,869,361, 9-26-89, Cl. 198-711.000.

Huang, Phillip F.: *See—*

Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C.; and Wafer, Don B., 4,848,777, Cl. 277-188.00A.

Huang, Rong F.; and Howng, Wei-Yean, to Motorola, Inc. Dielectric RF devices suited for use with superconductors. 4,872,086, 10-3-89, Cl. 361-321.000.

Huang, Shu-Jen W.; and Scheimann, David W., to Nalco Chemical Company. Composition for the paint detackification for both waterborne and solvent enamels. 4,888,386, 12-19-89, Cl. 525-57.000.

Huang, Shu-Jen W.: *See—*

Kiss, Charles R.; and Huang, Shu-Jen W., 4,800,217, Cl. 525-163.000.

Stenger, Claudia V.; and Huang, Shu-Jen W., 4,863,615, Cl. 210-712.000.

Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., to General Electric Company. Silicon-modified titanium aluminum alloys and method of preparation. 4,836,983, 6-6-89, Cl. 420-418.000.

Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., to General Electric Company. Chromium-modified titanium aluminum alloys and method of preparation. 4,842,819, 6-27-89, Cl. 420-418.000.

Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., to General Electric Company. Boron-modified titanium aluminum alloys and method of preparation. 4,842,820, 6-27-89, Cl. 420-418.000.

Huang, Shyh-Chin; and Gigliotti, Michael F. X., Jr., to General Electric Company. Method of making vanadium-modified titanium aluminum alloys. 4,857,268, 8-15-89, Cl. 420-418.000.

Huang, Shyh-Chin, to General Electric Company. Titanium aluminum alloys modified by chromium and niobium and method of preparation. 4,879,092, 11-7-89, Cl. 420-418.000.

Huang, Tien-Tsai. Pressure gauge with a movable interior scale. 4,873,864, 10-17-89, Cl. 73-146.800.

Huang, Tien-Tsai. Compact pressure gauge. 4,885,940, 12-12-89, Cl. 73-744.000.

Huang, Tongnian; You, Dengyun; Lu, Tongjing; Kang, Deyuan; and Duan, Rongan, to Chengdu Tool Research Institute of The State Commission for Machinery Industry. Method of measuring gear errors through meshing and separating and a machine thereof. 4,831,872, 5-23-89, Cl. 73-162.000.

Huang, Tracy J.; LaPierre, Rene B.; and Tabak, Samuel A., to Mobil Oil Corporation. Process for the production of ether and alcohol 4,857,664, 8-15-89, Cl. 568-695.000.

Huang, Tzuli J., to Minnesota Mining and Manufacturing Company. Retroreflective sheet coated with silica layer. 4,844,976, 7-4-89, Cl. 428-323.000.

Huang, Vincent M. S., to A. O. Smith Corporation. Swirl combuster burner. 4,884,555, 12-5-89, Cl. 126-350.00R.

Huang, Wann-Sheng: *See—*

Mims, Donald S.; Huang, Wann-Sheng; and Haynes, Stewart, 4,850,429, Cl. 166-245.000.

Huang, Wen-Ho: *See—*

Hamada, Takatoshi; and Huang, Wen-Ho, 4,817,737, Cl. 173-115.000.

Huang, Wu-Nan: *See—*

Chen, Fung-Bor; Huang, Wu-Nan, and Rogers, Carl M., 4,809,365, Cl. 2-168.000.

Huang, Y. Sheng: *See—*

Horrobin, David F.; and Huang, Y. Sheng, 4,855,136, Cl. 424-602.000.

Huang, Yao-Jyh R.: *See—*

Schwarz, James A.; and Huang, Yao-Jyh R., 4,810,463, Cl. 419-10.000.

Huang, Yen T. Modular space framed earthquake resistant structure 4,813,191, 3-21-89, Cl. 52-167.000.

Huang, Yi-Chao. Fully automatic speed-reading trainer. 4,880,385, 11-14-89, Cl. 434-181.000.

Huang, Yih Chain: *See—*

Chien, Yie W.; Chien, Te-Yen; and Huang, Yih-Chain, 4,818,540, Cl. 424-448.000.

Huang, Yun-Yang; LaPierre, Rene B.; and McHale, William D., to Mobil Oil Corporation. Process for dispersing or redispersing a group VIII noble metal species on a porous inorganic support. 4,849,385, 7-18-89, Cl. 502-35.000.

Huang, Yun-Yang: *See—*

Absil, Robert P. L.; and Huang, Yun-Yang, 4,837,397, Cl. 502-66.000.

Herbst, Joseph A.; and Huang, Yun-Yang, 4,837,396, Cl. 502-67.000.

Huang, Zheng F., to Racal Data Communications Inc. High speed analog echo canceller. 4,811,342, 3-7-89, Cl. 370-32.100.

Huard, Bertrand, to Lab-Volt (Quebec) Ltd. Waveguide connecting device. 4,864,260, 9-5-89, Cl. 333-255.000.

Huard, Jeff, to National Semiconductor Corporation. ESD low resistance input structure. 4,875,130, 10-17-89, Cl. 361-56.000.

Huard, Jeff: *See—*

Bosnyak, Robert J.; and Huard, Jeff, 4,868,424, Cl. 307-456.000.

Huard, Serge: *See—*

Bois, Emmanuel; Huard, Serge; and Boisde, Gilbert, 4,861,131, Cl. 350-96.180.

Hub, Hans-Henning; Simon, Georg N.; Heinz, Gerhard; Ziegler, Walter; and Sadlowski, Juergen, to BASF Aktiengesellschaft. Thermoplastic polyester molding materials having low-temperature impact strength. 4,880,876, 11-14-89, Cl. 525-67.000.

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Hubbard, Arthur C., to Aalborg Instruments & Controls. Fluid flow sensor system. 4,843,881, 7-4-89, Cl. 73-204.160.

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Hubbard, David W., to Pitney Bowes Inc. Oscillating and locking apparatus and method for vibrating tray weighing scale. 4,836,312, 6-6-89, Cl. 177-210.0FP.

Hubbard, David W., to Pitney Bowes Inc. Oscillating and locking apparatus and method for vibrating tray weighing scale. 4,836,313, 6-6-89, Cl. 177-210.0FP.

Hubbard, David W., to Pitney Bowes Inc. Oscillating apparatus for vibrating tray weighing scale. 4,838,370, 6-13-89, Cl. 177-210.0FP.

Hubbard, David W.; and Kocot, Joseph R., to Pitney Bowes Inc. Transporting and drive mechanism for a weighing scale. 4,848,492, 7-18-89, Cl. 177-210.0FP.

Hubbard, David W., to Pitney Bowes Inc. Postage meter having a worm gear drive. 4,852,479, 8-1-89, Cl. 101-91.000.

Hubbard, David W.; and Randmer, Glen J., to Pitney Bowes Inc. Postage meter having a worm gear drive and guiding sleeve. 4,858,525, 8-22-89, Cl. 101-91.000.

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Cordery, Robert A.; and Hubbard, David W., 4,856,602, Cl. 177-210.0FP.

Hubbard, Dean A.; Larsen, Michael R.; and Link, Donald A., to Eaton Corporation. Bolt-in circuit breaker with improved terminal fastener retainer. 4,825,338, 4-25-89, Cl. 361-376.000.

Hubbard, Elbert M.; and Diener, Rudolf, to Kwik Products International Corporation. Rotor-type carburetor apparatus and associated methods. 4,869,850, 9-26-89, Cl. 261-88.000.

Hubbard, James R., to Graphic Controls Corporation. Disposable marker and adapter for pen-driven integrator. 4,854,762, 8-8-89, Cl. 401-199.000.

Hubbard, Jason C., to Standard Oil Production Company. Method and apparatus for testing spotting fluids for releasing stuck drill pipe. 4,829,816, 5-16-89, Cl. 73-151.000.

Hubbard, John B., to Advanced Semiconductor Packages Ltd. Integrated circuit chin carrier. 4,866,841, 9-19-89, Cl. 29-845.000.

Hubbard, John S. Low angle approach tilt bed. 4,842,470, 6-27-89, Cl. 414-478.000.

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Hubbard, Mark A., to Inland Steel Company. Method and apparatus for adding shot to molten steel. 4,863,684, 9-5-89, Cl. 420-84.000.

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Hubbard, Vance M.; and Brunson, Welton K., to Tecnol, Inc. Face mask with ear loops. 4,802,473, 2-7-89, Cl. 128-206.190.

Hubbard, Vance M.; and Brunson, Welton K., to Tecnol, Inc. Telemetry pouch with expansible chest strap. 4,872,599, 10-10-89, Cl. 224-208.000.

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Nuckolls, Joe A.; and Flory, Isaac L., 4,810,936, Cl. 315-119.000.

Nuckolls, Joe A.; and Buckley, Paul J., II, 4,866,347, Cl. 315-158.000.

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Schnell, Kenneth R.; and Jorgensen, Robert W., 4,844,275, Cl. 220-3.900.

Schnell, Kenneth R.; and Kesler, Gregory J., 4,874,905, Cl. 174-65.00R.

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Hubbel, Nelson M.; Murdock, Susan L.; and Romano, Ernest P., to United States of America, Navy. Electrostatic dissipative maintenance aid module container. 4,886,163, 12-12-89, Cl. 206-334.000.

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Bristol, Robert W.; Burch, Harry C.; Eisenhart, Gary L.; Hube, Randall R.; and Sherman, G. Christian, 4,834,502, Cl. 350-122.000.

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Hubele, Adolf, to Ciba-Geigy Corporation. Use of quinoline derivatives for the protection of cultivated plants. 4,851,033, 7-25-89, Cl. 71-94.000.

Hubele, Adolf, to Ciba-Geigy Corporation. Microbicidal triazolyl phenylethanone ketals. 4,853,399, 8-1-89, Cl. 514-383.000.

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Huber, Duane J., to Hilex Poly Company, Inc. Mass air flow sensor assembly and method of manufacture. 4,823,462, 4-25-89, Cl. 73-118.200.

Huber, Duane J., to Capsonic Group, Inc. Motor brush holder assembly. 4,845,396, 7-4-89, Cl. 310-239.000.

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Huber, Hans G. Device for removing material screened or filtered out of a liquid flowing in a channel. 4,859,322, 8-22-89, Cl. 210-162.000.

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Huber, James V.; Scott, Kurt P.; and Leber, Rudolph J., to Atlas Electric Devices Co. Weathering testing system. 4,843,893, 7-4-89, Cl. 73-865.600.

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Huber, Thomas V; and Hone, Ronald D., to DNE Corporation. Reversible transmission. 4,860,615, 8-29-89, Cl. 74-785.000.
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Huber, Walter, to DNS Electronic Materials, Inc. Semiconductor wafer fabrication with improved control of internal gettering sites using rapid thermal annealing. 4,851,358, 7-25-89, Cl. 437-10.000.
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Hudault, Gerard; and Netter, Pierre, to Aluminium Pechiney. Rotary blade-type apparatus for dissolving alloy elements and dispersing gas in an aluminum bath. 4,802,656, 2-7-89, Cl. 266-225.000.
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Huddleston, Earl M.; and Jervis, Garry F., to Hudd Investment Trust, Inc. Measuring, metering, and mixing can for gasoline and oil. 4,819,833, 4-11-89, Cl. 222-155.000.
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Huddleston, Thomas J.; Smith, William P.; and Miller, Gary R., to Eastman Kodak Company. Bilayered anodized aluminum support, method for the preparation thereof and lithographic printing plate containing same. 4,865,951, 9-12-89, Cl. 430-278.000.
Hudec, Peter. Benefaction of concrete and aggregate using calcium phosphate. 4,802,923, 2-7-89, Cl. 106-97.000.
Hudgens, Bernard C., to TRW Inc. Strut with controlled variable damping rate. 4,846,317, 7-11-89, Cl. 188-299.000.
Hudgens, Mark; and Johnson, James R., to AMI, Inc. Method and apparatus for producing draw tape bags. 4,832,677, 5-23-89, Cl. 493-369.000.
Hudgens, Stephen J.: *See—*
  Doehler, Joachim; Hudgens, Stephen J.; Ovshinsky, Stanford R.; Dotter II, Buddie; Peedin, Lester R.; Krisko, Jeffrey M.; and Krisko, Annette, 4,883,686, Cl. 427-38.000.
  Ovshinsky, Stanford R.; and Hudgens, Stephen J., 4,843,443, Cl. 357-23.700.

Hudgins, J. S. Drop dispenser which automatically stirs the contents of the dispenser when the cap is removed. 4,880,146, 11-14-89, Cl. 222-192.000.
Hudgins, Roger L.; and Wolf, Nicholas O., to Conoco Inc. Microwave emulsion treater with oily water recycle for water load. 4,810,375, 3-7-89, Cl. 210-112.000.
Hudgins, Roger L.; and Hawkins, Steven E., to Conoco Inc. Microwave emulsion treater with controlled feed water content. 4,889,639, 12-26-89, Cl. 210-739.000.
Hudgins, Roger L.: *See—*
  Wolf, Nicholas O.; Hudgins, Roger L.; and Seidner, David S., 4,853,119, Cl. 210-181.000.
Hudimac, Albert A. Method and apparatus for suppressing vibration. 4,816,725, 3-28-89, Cl. 318-114.000.
Hudimac, George S., Jr., to Mechanical Service Company. Light director. 4,807,100, 2-21-89, Cl. 362-255.000.
Hudimac, George S., Jr., to Mechanical Service Co., Inc. Air flow sensor. 4,860,764, 8-29-89, Cl. 128-725.000.
Hudimac, George S., Jr., to Mechanical Service Co. Inc. Air flow sensor. 4,860,765, 8-29-89, Cl. 128-725.000.
Hudimac, George S., Jr., to Mechanical Service Co. inc. Air flow sensor. 4,862,898, 9-5-89, Cl. 128-725.000.
Hudis, Scott B.; and Lewis, Craig A., to Mars Incorporated. Motor home/soldout detection apparatus. 4,835,412, 5-30-89, Cl. 307-119.000.
Huditz, Peter: *See—*
  Weissenberger, Helmuth; and Huditz, Peter, 4,854,438, Cl. 192-107.00R.
  Ziegler, Erwin; Huditz, Peter; Fricke, Werner; and Weissenberger, Helmuth, 4,809,835, Cl. 192-89.00B.
Hudson, Albert B.: *See—*
  Garrard, Victor G.; and Hudson, Albert B., 4,832,059, Cl. 131-276.000.
Hudson, Barry C. Snow shovel. 4,865,373, 9-12-89, Cl. 294-54.500.
Hudson, Brian R., to Whitehall Corporation. Underwater compass sensor with compass dither. 4,796,365, 1-10-89, Cl. 33-356.000.
Hudson, Carl W.: *See—*
  Sawyer, Willard H.; and Hudson, Carl W., 4,828,675, Cl. 208-57.000.
  Sawyer, Willard H.; Hudson, Carl W.; and Waghorne, Robert H., 4,828,676, Cl. 208-57.000.
Hudson, Charles L., Jr.; and Kalm, Michael L., to Honeywell Inc. Digital registers with serial accessed mode control bit. 4,847,839, 7-11-89, Cl. 371-25.000.
Hudson, David K.: *See—*
  Morrill, Vaughan, Jr.; Scandrett, John H.; and Hudson, David K., 4,860,437, Cl. 29-623.000.
Hudson, David S. Earring device, and methods of constructing and utilizing same. 4,841,745, 6-27-89, Cl. 63-12.000.
Hudson, Derek, to Millipore Corporation. BOP reagent for solid phase peptide synthesis. 4,888,385, 12-19-89, Cl. 525-54.110.
Hudson, Don. Apparatus for securing containers to moving platforms. 4,805,859, 2-21-89, Cl. 248-148.000.
Hudson, George A., deceased: *See—*
  Markusch, Peter; and Hudson, George A., deceased, 4,855,490, Cl. 560-355.000.
Hudson, Hank M.: *See—*
  Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., 4,854,955, Cl. 62-24.000.
  Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., 4,869,740, Cl. 62-24.000.
  Campbell, Roy E.; Wilkinson, John D.; and Hudson, Hank M., 4,889,545, Cl. 62-24.000.
Hudson, Harry R.: *See—*
  Cameron, David G; Hudson, Harry R.; Lagerlund, Inger; and Pianka, Max, 4,888,330, Cl. 514-114.000.
Hudson, Howard J.: *See—*
  Dunn, David E.; Davis, Richard A.; Hudson, Howard J.; and Morris, Steven J., 4,808,478, Cl. 428-391.000.
Hudson International Conductors: *See—*
  Inagaki, Tom, 4,838,959, Cl. 148-11.50C.
Hudson, John H., to Tenag AG. Method and apparatus for controlling run of a moving web in a predetermined path, especially a filter material web, through a plate filter. 4,869,834, 9-26-89, Cl. 210-751.000.
Hudson, John L. Positive traction differential unit. 4,867,009, 9-19-89, Cl. 74-650.000.
Hudson, John L. High speed differential unit. 4,876,918, 10-31-89, Cl. 74-650.000.
Hudson Oxygen Therapy Sales Co.: *See—*
  Rowland, Robert O., 4,803,471, Cl. 340-626.000.
  Rowland, Robert O., 4,839,597, Cl. 324-433.000.
Hudson, Peter D.: *See—*
  Gercekci, Anil; Bron, Michel; and Hudson, Peter D., 4,841,133, Cl. 235-492.000.
Hudson, Peter J.; Shine, John; Niall, Hugh D.; and Tregear, Geoffrey W., to Howard Florey Institute of Experimental Physiology and Medicine. Molecular cloning and characterization of a gene sequence coding for human relaxin. 4,871,670, 10-3-89, Cl. 435-172.300.
Hudson, Philip: *See—*
  McKay, Richard J.; and Hudson, Philip, 4,844,125, Cl. 137-625.650.
Hudson, Raymond S.: *See—*
  Bolgiano, Nicholas C.; Grubb, Mary B.; Hudson, Raymond S.; and Sigman, William T., 4,855,165, Cl. 427-393.500.
Hudson, Robert L., to Kimberly-Clark Corporation. Radiation stabilized fabric. 4,822,666, 4-18-89, Cl. 428-224.000.
Hudson, Sharon J., Jr., to Sharon Manufacturing Company. Low profile fuel injection rail. 4,798,187, 1-17-89, Cl. 123-469.000.
Hudson, Sharon J., Jr., to Sharon Manufacturing Company. Engine intake manifold assembly. 4,805,564, 2-21-89, Cl. 123-52.0MC.
Hudson, Timothy R., to Efco Corporation. Sash locking and sealing assembly. 4,799,330, 1-24-89, Cl. 49-62.000.
Hudson, Tom J.; McIntyre, John; Tremblay, Pierre; Allaire, Claude; and Gnyra, Bohdan, to Alcan International Limited. Linings for aluminum reduction cells. 4,877,507, 10-31-89, Cl. 204-243.00R.
Hudson, Tommy E.; and Martin, James W., to Dowell Schlumberger Incorporated. Pyrolytic carbon coating of media improves gravel packing and fracturing capabilities. 4,796,701, 1-10-89, Cl. 166-278.000.
Hudson Valley Metal Works, Inc.: *See—*
  Anderson, Dean H.; and Tomann, Mark M., 4,875,052, Cl. 343-882.000.
Hudspeth, James P.; Kaltenbronn, James S.; Repine, Joseph T.; and Woo, Peter W. K., to Warner-Lambert Company. Renin inhibitors II. 4,863,905, 9-5-89, Cl. 514-18.000.
Hudspeth, Thomas; Kaplan, David S.; and Rosen, Harold A., to Hughes Aircraft Company. Envelope amplifier. 4,831,334, 5-16-89, Cl. 330-10.000.
Hudspeth, Thomas; and Steinberg, Fritz, to Hughes Aircraft Company. Compensated microwave feed horn. 4,890,118, 12-26-89, Cl. 343-786.000.
Hue, Jean; and Sauve, Michel, to Salomon S.A. Ski binding for attaching the front of a boot to a cross-country ski, and a pair of skis equipped with such binding. 4,815,753, 3-28-89, Cl. 280-615.000.
Hue, Jean; Graillat, Gerard; and Gasquet, Denis, to Salomon S.A. Cross shaped support. 4,850,609, 7-25-89, Cl. 280-615.000.
Huebeck, Erich; Schmitt, Heinrich; and Molitor, Dieter, to Siemens Aktiengesellschaft. Apparatus for positioning a patient's head for producing remote X-ray photographs. 4,850,003, 7-18-89, Cl. 378-179.000.
Huebel, Eugene: *See—*
  Mizuhara, Howard; and Huebel, Eugene, 4,877,692, Cl. 428-673.000.
Hueber, Alfred: *See—*
  Hagemeister, Klaus; and Hueber, Alfred, 4,800,955, Cl. 165-163.000.
Huebler, James E.: *See—*
  Rush, William F.; and Huebler, James E., 4,888,706, Cl. 364-510.000.
Huebner, Fritz, to Plascore, Inc. Modular heat exchanger housing. 4,872,504, 10-10-89, Cl. 165-54.000.
Huebner, Klaus G.: *See—*
  Huebner, Rosa M.; Huebner, Ursula; and Huebner, Klaus G., 4,816,621, Cl. 174-152.0GM.
Huebner, Rosa M.; Huebner, Ursula; and Huebner, Klaus G., to Siemens Aktiengesellschaft. Ceramic-metal feedthrough lead assembly and method for making same. 4,816,621, 3-28-89, Cl. 174-152.0GM.
Huebner, Ursula: *See—*
  Huebner, Rosa M.; Huebner, Ursula; and Huebner, Klaus G., 4,816,621, Cl. 174-152.0GM.
Huebsch, Donald L. Method and apparatus for removal of bone cement. 4,873,969, 10-17-89, Cl. 128-92.00R.
Huebsch, Donald L. Endoprosthesis. 4,888,022, 12-19-89, Cl. 623-22.000.
Hueckler, Volker; and Eckhardt, Ulrich, to Deere & Company. Mounting of a steerable wheel. 4,821,834, 4-18-89, Cl. 180-255.000.
Hueffman, Jennifer R.; and Boczar, Paul M. Record keeping pad and page therefor. 4,822,074, 4-18-89, Cl. 281-15.100.
Huegel, Helmut: *See—*
  Wildermuth, Eberhard; and Huegel, Helmut, 4,821,283, Cl. 372-104.000.
Huehls, Patrick N.: *See—*
  Bacehowski, David V.; Bilstad, Arnold C.; Huehls, Patrick N.; Kaufman, Stephen B.; and Miripol, Jeffrey E., 4,846,005, Cl. 73-864.810.
  Kaufman, Stephen B.; Patterson, Robert; Bacehowski, David V.; Bilstad, Arnold C.; and Huehls, Patrick N., 4,820,297, Cl. 604-409.000.
Huehn, Werner T., to ASC Incorporated. Sliding roof panel control apparatus. 4,835,449, 5-30-89, Cl. 318-282.000.
Huehns, Ernst R.: *See—*
  Hider, Robert C.; and Huehns, Ernst R., 4,866,052, Cl. 514-184.000.
Huei-Chin, Chen. Surveying method allowing greater freedom in positioning the surveying instruments. 4,839,967, 6-20-89, Cl. 33-228.000.
Hueller Hille GmbH: *See—*
  Jaissle, Hans-Ulrich; Hofmann, Manfred; and Geiger, Dietrich, 4,817,268, Cl. 29-568.000.
Hueller, Joseph, to MTU Motoren-und Turbinen-Union Munchen GmbH. Gas turbine. 4,813,228, 3-21-89, Cl. 60-39.161.
Huels Aktiengesellschaft: *See—*
  Balzer, Dieter, 4,825,951, Cl. 166-274.000.
  Balzer, Dieter, 4,842,067, Cl. 166-274.000.
  Bartz, Wilfried, 4,840,993, Cl. 525-66.000.
  Bellut, Hans, 4,845,303, Cl. 568-341.000.
  Bieringer, Heimo; and Engel, Klaus, 4,828,946, Cl. 429-254.000.
  Bueschken, Wilfried, 4,885,397, Cl. 568-341.000.
  Finke, Juergen; and Bartmann, Martin, 4,843,139, Cl. 528-125.000.
  Finke, Juergen; Neugebauer, Wolfgang; Koziel, Holger; and Bartmann, Martin, 4,864,009, Cl. 528-172.000.
  Finke, Juergen; Bartmann, Martin; and Schmidt, Friedrich-Georg, 4,868,272, Cl. 528-172.000.

Gras, Rainer, 4,879,356, Cl. 525-440.000.
Gude, Fritz; and Bellut, Hans, 4,855,488, Cl. 560-249.000.
Hellermann, Walter; Herrmann, Christoph; Fuchs, Hans-Bernd; Nordsiek, Karl-Heinz; Wolpers, Jurgen; and von Portatius, Hans-Eberhard, 4,814,386, Cl. 525-258.000.
Hill, Frank F., 4,827,030, Cl. 562-582.000.
Jabrik, Julius; Sticken, Gerhard; and Viehweger, Rolf, 4,870,220, Cl. 570-234.000.
Kaufhold, Manfred, 4,851,552, Cl. 549-462.000.
Kemper, Bruno, 4,849,463, Cl. 524-285.000.
Knipp, Herbert; and Schulz, Wolfgang, 4,870,112, Cl. 521-70.000.
Kruse, Wolfgang A.; and Boeke, Burkhard, 4,804,728, Cl. 526-209.000.
Kuehnle, Adolf, 4,846,887, Cl. 106-31.000.
Kupper, Friedrich-Wilhelm; Voges, Heinz-Werner; Patzold, Werner; and Schaaf, Richard, 4,859,790, Cl. 560-75.000.
Leithaeuser, Horst; Reese, Dirk; and Trautmann, Walter, 4,853,038, Cl. 106-243.000.
Ludwig, Gerhard, 4,834,962, Cl. 423-351.000.
Lueders, Harald; and Hofmann, Peter, 4,847,368, Cl. 536-18.600.
Lueders, Harald; Ratajczak, Hans-Josef; and Wienhoefer, Ekkehard, 4,861,513, Cl. 252-182.240.
Markert, Jurgen; Schubel, Klaus-Dieter; and Krizek, Milan, 4,881,402, Cl. 73-61.00R.
Meyer, Klaus-Rudolf; Venn, Ingo; and Mueller-Niescher, Ursula, 4,837,297, Cl. 528-326.000.
Mueller, Michael; and Kleinert, Walter, 4,835,196, Cl. 523-334.000.
Neugebauer, Wolfgang; and Poll, Heinz-Guenter, 4,882,410, Cl. 528-170.000.
Poll, Heinz-Guenter, 4,814,416, Cl. 528-173.000.
Poll, Heinz-Guenter; and Bartmann, Martin, 4,843,140, Cl. 528-176.000.
Poll, Heinz-Guenter; Neugebauer, Wolfgang; Bartmann, Martin; and Finke, Juergen, 4,851,496, Cl. 528-173.000.
Ruback, Wulf; and Schut, Jan, 4,830,771, Cl. 252-8.800.
Scharf, Helmut, 4,867,763, Cl. 55-72.000.
Seipenbusch, Reinhold, 4,874,700, Cl. 435-145.000.
Smigerski, Hans-Juergen, 4,828,714, Cl. 210-710.000.
Sturm, Harald; Terwonne, Rolf-Walter; and Thunig, Dieter, 4,798,869, Cl. 525-305.000.
Westernacher, Helmut; Aertken, Karl; and Stieren, Thomas, 4,847,440, Cl. 568-874.000.

Huels Troisdorf Aktiengesellschaft: *See—*
Breitscheidel, Hans-Ulrich; Kautz, Rudolf; and Sandermann, Karl-Heinz, 4,882,208, Cl. 428-17.000.
Burkhardt, Rudolf; Hass, Hansjurgen; Hitze, Reiner; and Zoche, Gunther, 4,822,420, Cl. 106-74.000.
Kotzsch, Hans-Joachim; Srebny, Hans-Gunther; and Vahlensieck, Hans-Joachim, 4,824,979, Cl. 556-54.000.
Muller, Hartmut; and Huber, Hans, 4,820,745, Cl. 522-90.000.
Muller, Hartmut; and Huber, Hans, 4,822,829, Cl. 522-90.000.
Rauleder, Hartwig; Seiler, Claus-Dietrich; and Vahlensieck, Hans-Joachim, 4,876,337, Cl. 556-415.000.
Vahlensieck, Hans-Joachim; and Koetzsch, Hans-Joachim, 4,824,982, Cl. 556-451.000.

Huemer, Hermann. Reclining or seating member. 4,837,878, 6-13-89, Cl. 5-191.000.
Huemmeler, Alexander: *See—*
Kaetscher, Erich; Stauner, Jakob; and Huemmeler, Alexander, 4,850,600, Cl. 277-101.000.
Huene, Donald R. Device and method for joining fractured bones. 4,869,243, 9-26-89, Cl. 128-92.00R.
Huenefeld, Robert C., to Dee Sign Co. Yard sign. 4,885,860, 12-12-89, Cl. 40-606.000.
Huenig, Siegfried; Aumueller, Alexander; and Erk, Peter, to BASF Aktiengesellschaft. Radical ion salts. 4,885,368, 12-5-89, Cl. 544-347.000.
Huennebeck, Volker: *See—*
Dahrendorf, Klaus-Dieter; Huennebeck, Volker; and Hoffman, Wilfried, 4,840,170, Cl. 128-202.260.
Huet, Jean-Pierre: *See—*
Bussereau, Marcel; Courtois, Alain; and Huet, Jean-Pierre, 4,823,588, Cl. 72-453.060.
Huether, Werner; and Rossmann, Axel, to MTU Motoren- und Turbinen-Union Munchen GmbH. Burst guard ring for turbo-engine housings. 4,818,176, 4-4-89, Cl. 415-9.000.
Huether, Werner, to MTU Motoren- und Turbinen-Union Munchen GmbH. Molded article made of a composite material including metals and nonmetallic substances. 4,861,638, 8-29-89, Cl. 428-71.000.
Huether, Werner; Rossman, Axel; and Sikorski, Siegfried, to MTU Motoren-und Turbinen-Union Munchen GmbH. Detachable anti-rupture ring for the housing of a turbo power plant. 4,878,821, 11-7-89, Cl. 415-9.000.
Huettemann, Erik W. Insulated concrete building panels and method of making the same. 4,841,702, 6-27-89, Cl. 52-309.120.
Huettenrauch, Gerd; and Jenner, Erhard, to Siemens Aktiengesellschaft. X-ray diagnostics installation for optional transillumination or exposure of an examination subject. 4,853,948, 8-1-89, Cl. 378-177.000.
Huetter, Thomas E.: *See—*
Glandorf, William M.; Camplejohn, Jane R.; and Huetter, Thomas E., 4,849,212, Cl. 424-52.000.
Huey, Andrew M.; and Shirley, Arthur R., Jr., to Dow Chemical Company, The. Process for obtaining a bisphenol melt. 4,813,982, 3-21-89, Cl. 55-80.000.
Huey, Larry J., to Owens-Corning Fiberglas Corporation. Method and apparatus for producing hollow glass filaments. 4,846,864, 7-11-89, Cl. 65-1.000.
Hufendiek, Ernst-Wilhelm: *See—*
Guenther, Michael; and Hufendiek, Ernst-Wilhelm, 4,863,599, Cl. 210-248.000.
Huff, Darrel: *See—*
Connolly, James D.; and Huff, Darrel, 4,840,728, Cl. 209-405.000.
Huff, Eugene G.: *See—*
Archer, Gary D.; Huff, Eugene G.; Madrid, Miguel T., Jr.; and Yoshii, Akio, 4,873,625, Cl. 364-200.000.
Huff, James R.: *See—*
Vanderborgh, Nicholas E.; Huff, James R.; and Leddy, Johna, 4,804,592, Cl. 429-33.000.
Huff, Joel R.: *See—*
Baldwin, John J.; Huff, Joel R.; Vacca, Joseph P.; Young, Steven D.; deSolms, Jane; and Guare, James P., Jr., 4,824,849, Cl. 514-267.000.
Baldwin, John J.; Huff, Joel R.; deSolms, Susan J.; Vacca, Joseph P.; Wiggins, Jonathan M.; and Young, Steven D., 4,831,035, Cl. 514-256.000.
Huffer, Russell: *See—*
Nalepka, Raymond; and Huffer, Russell, 4,883,721, Cl. 428-623.000.
Huffman, Cary A.; and Thompson, Emory L. Outrigger for scaffolding. 4,821,844, 4-18-89, Cl. 182-179.000.
Huffman, Daniel D. Flame retardant compositions and process. 4,842,611, 6-27-89, Cl. 8-188.000.
Huffman, David C.: *See—*
Coulston, John W.; and Huffman, David C., 4,875,627, Cl. 239-466.000.
Huffman, Dawn M.: *See—*
Lassen, Frederich O.; Cesco-Cancian, Anna M.; and Huffman, Dawn M., 4,804,380, Cl. 604-385.100.
Huffman, Gloria M.; and Pieniak, Heinz A., to McNeil-PPC, Inc. Infant diaper with improved fit. 4,883,480, 11-28-89, Cl. 604-385.100.
Huffman, John W.: *See—*
Hessing, Lynn C.; Huffman, John W.; and Tyson, Ben R., 4,869,608, Cl. 400-320.000.
Huffman, K. Robert, to American Cyanamid Company. Carboxy hydroxamic acid polymers and their use as detergent additives. 4,874,539, 10-17-89, Cl. 252-174.240.
Huffman, Paul F.; and Bardell, Ron L., to Onan Corporation. Engine governor friction damper and method. 4,836,167, 6-6-89, Cl. 123-376.000.
Huffman, Ronald E., to KV33 Corporation. Ribbed flexible mold for dental model bases. 4,842,242, 6-27-89, Cl. 249-54.000.
Huffman, William F.; and Yim, Nelson C. F., to SmithKline Beckman Corporation. 4'-Methyl-β-mercapto-β,β-cyclopentamethylenepropionic acid vasopressin antagonists. 4,826,813, 5-2-89, Cl. 514-11.000.
Huffman, William F.: *See—*
Callahan, James F.; Huffman, William F.; Newlander, Kenneth A.; and Yim, Nelson C. F., 4,810,778, Cl. 530-328.000.
Hufford, Charles D.; and Clark, Alice M., to University of Mississippi, The. Antimicrobial compound and compositions particularly effective against candida albicans. 4,873,250, 10-10-89, Cl. 514-290.000.
Hufford, Larry A.; Wentworth, Robert S., deceased; and by Wentworth, Benning, executor, to BKI/IP International, Inc. Mechanical seal lubrication improvement. 4,804,194, 2-14-89, Cl. 277-3.000.
Hufford, Marvin, to International Paper Company. Sealing method and apparatus for high capacity aseptic form, fill, and seal machines. 4,825,625, 5-2-89, Cl. 53-451.000.
Huffy Corporation: *See—*
Allen, David A., 4,826,162, Cl. 273-1.50R.
Beiser, Wayne; and Bloom, Amy A., 4,852,771, Cl. 224-30.00A.
Downing, Verlon D.; and Dietz, Timothy J., 4,805,941, Cl. 280-279.000.
Hufgard, John W., to AccuSpray, Inc. Compressor. 4,869,641, 9-26-89, Cl. 415-121.200.
Huflage, Bernhard: *See—*
Zulauf, Wolfgang; and Huflage, Bernhard, 4,865,107, Cl. 206-45.310.
Hufnagel, Douglas G. Apparatus for adjustment of automobile torsion bar suspension assembly. 4,863,148, 9-5-89, Cl. 267-278.000.
Hufnagel, Fred M. Speaker headrest. 4,797,934, 1-10-89, Cl. 381-188.000.
Hufnagel, Nick L., to United Technologies Corporation. Hinge pin retaining assembly having an integral slotted plate and hinge pin. 4,803,756, 2-14-89, Cl. 16-252.000.
Hufnagel, Nick L., to United Technologies Corporation. Wear resistant, self-damping clamp assembly. 4,878,618, 11-7-89, Cl. 239-265.390.
Hufnagel, Robert E.: *See—*
Akkapeddi, Prasad R.; and Hufnagel, Robert E., 4,810,621, Cl. 430-321.000.
Hufnagl, Gerhart: *See—*
Williamson, Herman L.; Hatter, Edwin E.; and Hufnagl, Gerhart, 4,815,907, Cl. 411-107.000.
Hufstetler, Glen. Automotive pre-heater. 4,847,468, 7-11-89, Cl. 219-203.000.
Hug, Hans A.: *See—*
Rubin, Leslie S.; and Hug, Hans A., 4,882,094, Cl. 252-633.000.
Hug, Paul; Umeda, Bill; Yesnosky, Paul A.; Raudebaugh, Bart; Ricco, Gary; and McCabe, Gary E., to Cygnet Systems, Inc. Method of and apparatus for storing and retrieving information containing discs utilizing a movable magazine. 4,855,980, 8-8-89, Cl. 369-36.000.
Hug, Paul M.; Frese, Dale C.; Yesnosky, Paul A.; Umeda, William H.; and Suchomel, Frank R., to Cygnet Systems, Inc. Information handling system for use with information containing storage discs. 4,817,070, 3-28-89, Cl. 369-36.000.
Hug, Peter: *See—*
Hanser, Walter; Rayer, Peter; Wardecki, Norbert; and Hug, Peter, 4,869,174, Cl. 102-489.000.
Hugh-Jensen, Ida B.; and Gormsen, Erik, to Novo Industri A/S. Enzymatic detergent additive. 4,810,414, 3-7-89, Cl. 252-174.120.
Hugelin, Andre; and Thal, Claude, to Albert Rolland S.A. Novel pharmaceutical compositions intended to the treatment of neuropathies and promoting the nervous regeneration. 4,835,184, 5-30-89, Cl. 514-554.000.
Hugenberger, Scott G.: *See—*
Savins, J. George; Hugenberger, Scott G.; and Wilson, Peggy M., 4,880,444, Cl. 55-36.000.
Hugenell, Hermann. Reflecting telescope. 4,822,156, 4-18-89, Cl. 350-613.000.
Huger, Alois: *See—*
Krieg, Aloisius; Hager, Alois; and Schnetter, Wolfgang, 4,889,918, Cl. 530-350.000.
Huger, Alois M.: *See—*
Krieg, Aloisius; Huger, Alois M.; and Schnetter, Wolfgang, 4,851,240, Cl. 435-68.000.
Hugger, Hermann: *See—*
Moser, Bernhard; Peetz, Wolfang; and Hugger, Hermann, 4,883,135, Cl. 175-323.000.
Hugger, William: *See—*
Ulmer, Rolf; Muller, Alfred; Hugger, William; and Hablitzel, Heinz, 4,830,241, Cl. 224-42.200.
Huggett, Richard D. J., to Lewmar Marine Limited. Distributor for independently distributing rotational drive in a sailing craft. 4,823,630, 4-25-89, Cl. 74-337.500.
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Cosner, Lane W., 4,889,780, Cl. 430-1.000.
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Donner, Joseph E., 4,855,559, Cl. 219-85.160.
DuFort, Edward C., 4,825,216, Cl. 342-376.000.
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DuPont, Preston S.; Ritter, Robert E.; McGrath, Brian A.; Schaffer, Brent G.; and Fouts, Kenneth A., III, 4,833,029, Cl. 428-116.000.
DuPont, Preston S.; and Bilow, Norman, 4,864,016, Cl. 528-353.000.
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Gabaldon, John B., 4,817,848, Cl. 228-102.000.
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Gibson, James O.; Gearhart, Victor C.; Birrell, Steven E.; and Hawrylow, Gabriele M., 4,805,181, Cl. 372-72.000.
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Grinberg, Jan; Marom, Emanuel; Soffer, Bernard H.; O'Meara, Thomas R.; and Popa, Adrian E., 4,871,232, Cl. 350-162.110.
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Hobrock, Lowell M.; Garvin, Hugh L.; Witherington, Roger J.; and Wellman, Clarke T., 4,828,356, Cl. 350-162.170.
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Jasper, Warren J., 4,802,767, Cl. 356-350.000.
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Klatt, Robert W., 4,873,442, Cl. 250-334.000.
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Klayman, Arnold I., 4,836,329, Cl. 181-155.000.
Klayman, Arnold I., 4,841,572, Cl. 381-17.000.
Klayman, Arnold I., 4,866,774, Cl. 381-1.000.
Klein, James E., 4,864,137, Cl. 250-343.000.
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Koo, Frances D., 4,833,676, Cl. 371-15.000.
Kosman, Wayne R., 4,848,208, Cl. 89-1.110.
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Krause, Stanley J., 4,854,975, Cl. 136-262.000.
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Kurtz, Louis A., 4,839,663, Cl. 343-771.000.
Larson, Lawrence E.; Jensen, Joseph F.; Walden, Robert H.; and Schmitz, Adele E., 4,872,010, Cl. 341-134.000.
Lau, Kreisler S. Y., 4,814,472, Cl. 556-431.000.
Lau, Kreisler S. Y.; and Dougherty, Thomas K., 4,827,054, Cl. 570-141.000.
Lau, Kreisler S. Y.; Oldham, Susan L.; Elias, William E.; and Bigus, Stephen J., 4,861,901, Cl. 549-215.000.
Lau, Kreisler S. Y.; and Dougherty, Thomas K., 4,866,156, Cl. 528-219.000.
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Ledebuhr, Arno G., 4,826,311, Cl. 353-31.000.
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Ledebuhr, Arno G., 4,842,374, Cl. 350-337.000.
Lee, Kuan M., 4,812,789, Cl. 333-135.000.
Lee, Kuan M.; Lange, William L.; and Livingston, Stan W., 4,818,958, Cl. 333-114.000.
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Lucas, Charles H., 4,857,930, Cl. 341-150.000.
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Ludwig, Howard R.; Haidler, John W.; Yuan, Mark S. C.; and Elson, Robert J., 4,842,106, Cl. 188-266.000.
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Marom, Emanuel; Owechko, Yuri; and Soffer, Bernard H., 4,888,724, Cl. 364-807.000.
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McClanahan, Robert F.; Washburn, Robert D.; Gonzalez, Carlos H.; Sze, Jerry C.; and Lusher, David M., 4,341,429, Cl. 363-126.000.
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Moss, Gaylord E., 4,807,951, Cl. 350-3.850.
Moss, Gaylord E., 4,818,048, Cl. 350-3.700.
Moss, Gaylord E., 4,830,442, Cl. 350-3.700.
Moss, Gaylord E., 4,880,287, Cl. 350-3.850.
Moulin, Norbert L., 4,820,185, Cl. 439-321.000.
Moulin, Norbert L., 4,861,132, Cl. 350-96.200.
Murphy, John E.; Snyder, Joseph E.; and Gardner, William T., 4,881,580, Cl. 141-98.000.
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Myers, Christopher S., 4,824,240, Cl. 356-4.500.
Myers, Terrence L.; and Harrington, William A., 4,862,014, Cl. 307-270.000.
Nash, James G.; and Shu, David B., 4,809,347, Cl. 382-49.000.
Nash, James G., 4,811,270, Cl. 364-760.000.
Niskala, Gary G., 4,799,854, Cl. 414-737.000.
North, David M., 4,796,187, Cl. 364-423.000.
Oaks, Richard W., 4,808,911, Cl. 324-57.00Q.
Oldham, Susan L.; Elias, William E.; Bigus, Stephen J.; and Lau, Kreisler S. Y., 4,874,643, Cl. 427-340.000.
O'Meara, Thomas R., 4,802,176, Cl. 372-19.000.
O'Meara, Thomas R., 4,854,677, Cl. 350-355.000.
O'Meara, Thomas R., 4,874,223, Cl. 350-163.000.
Opina, Patricia B., 4,802,945, Cl. 156-247.000.
Owechko, Yuri, 4,837,843, Cl. 382-31.000.
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Pastor, Antonio C.; Gentile, Anthony L.; and Wysocki, Joseph A., 4,857,249, Cl. 264-67.000.
Pastor, Ricardo C.; Gorre, Luisa E.; and Christensen, Lorna D., 4,839,328, Cl. 502-334.000.
Pastor, Ricardo C.; and Gorre, Luisa E., 4,857,293, Cl. 423-489.000.
Pastor, Ricardo C.; and Gorre, Luisa E., 4,869,893, Cl. 423-509.000.
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Pepper, David M.; and Craig, Richard R., 4,803,696, Cl. 372-95.000.
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Pesavento, Philip V.; and Strawbridge, Joy W., 4,851,665, Cl. 250-227.000.
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Rand, Stephen C.; and Wysocki, Joseph A., 4,824,455, Cl. 65-3.110.
Rand, Stephen C., 4,833,333, Cl. 250-492.300.
Reinhardt, Victor S.; and Shahriary, Iradj, 4,815,018, Cl. 364-701.000.
Reinhardt, Victor S., 4,890,248, Cl. 364-574.000.
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Root, Randolph E.; and Vu, Thanh T., 4,817,269, Cl. 29-620.000.
Rosen, Harold A., 4,819,227, Cl. 370-75.000.
Rosen, Harold A., 4,823,341, Cl. 370-75.000.
Rosen, Harold A., 4,827,268, Cl. 342-368.000.
Rosen, Harold A., 4,831,619, Cl. 370-75.000.
Rosen, Harold A.; and Thompson, James D., 4,858,229, Cl. 370-75.000.
Rosen, Harold A., 4,872,015, Cl. 342-353.000.
Rosen, Harold A., 4,879,711, Cl. 370-50.000.
Rosman, Andrew, 4,837,676, Cl. 364-200.000.
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Sato, Robert N., 4,868,902, Cl. 250-332.000.
Schellenberg, James M.; and Yau, Wing, 4,835,496, Cl. 333-128.000.
Schreiber, Christopher M.; and Badasch, Gerhard M., 4,845,311, Cl. 174-36.000.
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Shu, David B., 4,809,346, Cl. 382-49.000.
Simonutti, Mario D., 4,835,495, Cl. 333-26.000.
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Smay, John W.; Hummel, William F., Jr.; Chen, Carl L.; and Slafer, Loren I., 4,837,699, Cl. 364-434.000.
Soloski, Steven C.; and Hobrock, Lowell M., 4,829,162, Cl. 219-522.000.
Standke, Randy E., 4,867,704, Cl. 439-581.000.
Steel, Duncan G.; and Turley, R. Steven, 4,797,552, Cl. 250-251.000.
Sterling, Rodney D., 4,799,773, Cl. 350-342.000.
Strider, Charles A., 4,862,186, Cl. 343-776.000.
Stultz, Robert D.; and Narhi, Donald E., 4,868,833, Cl. 372-11.000.
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Thompson, James D., 4,799,065, Cl. 343-779.000.
Thompson, James D., 4,825,172, Cl. 330-124.00R.
Tomlinson, Roger R.; and Ahmed, Nazeer, 4,806,027, Cl. 384-50.000.
Trinh, Trang N.; and Kuno, H. John, 4,833,482, Cl. 343-700.0MS.
Tsuda, George I.; and Ajioka, James S., 4,825,175, Cl. 330-286.000.
Tutt, Lee W.; and Jensen, John E., 4,888,204, Cl. 427-53.100.
Underwood, George D., 4,818,894, Cl. 307-269.000.
Vachon, David J.; Hermansen, Ralph D.; and Lau, Steven E., 4,866,108, Cl. 523-428.000.
Vodopia, Samuel N., 4,882,587, Cl. 342-372.000.
von der Embse, U. A., 4,860,321, Cl. 375-96.000.
Wakugawa, Jason M.; Gresko, Lawrence S.; and Brown, Kenneth M., 4,856,887, Cl. 350-641.000.
Walby, Douglas R., 4,797,848, Cl. 364-754.000.
Wall, Stephen W., 4,859,021, Cl. 350-96.200.
Wall, Stephen W., 4,878,730, Cl. 350-96.210.
Walsh, Kenneth A., Jr., 4,835,493, Cl. 332-41.000.
Walton, R. Thomas, 4,843,313, Cl. 324-158.00F.
Washburn, Robert D.; and McClanahan, Robert F., 4,841,428, Cl. 363-75.000.
Weaver, Gary R.; Smith, Bryce M.; Horvath, Gregory L.; and Walsh, Bernard L., Jr., 4,799,028, Cl. 331-57.000.
Wechsberg, Michael; and Popa, Adrian E., 4,814,773, Cl. 342-368.000.
Wheeler, Bryce A.; and Cook, Lacy G., 4,824,243, Cl. 356-121.000.
Wickholm, David R.; and Strittmatter, Donald J., 4,824,228, Cl. 350-516.000.
Wiener-Avnear, Eliezer; and Williams, Ronald L., 4,817,850, Cl. 228-119.000.
Wiley, Carl A., deceased; and Wiley, Jean B., 4,814,772, Cl. 342-351.000.
Wiley, Carl A., deceased, 4,825,215, Cl. 342-351.000.
Wiley, Carl A., deceased; and Wiley, Jean B., administratrix, 4,864,309, Cl. 342-351.000.
Williams, Patrick R.; and Heidary, Henry A., 4,806,936, Cl. 342-126.000.
Williamson, Weldon S., 4,800,281, Cl. 250-427.000.
Wirick, Michael P., 4,876,453, Cl. 250-332.000.
Wissman, Charles H.; and Braski, Michael T., 4,856,010, Cl. 372-32.000.
Wong, Joseph S., 4,878,033, Cl. 330-277.000.
Wong, Mon N.; and Wong, Samuel S., 4,797,643, Cl. 333-115.000.
Wong, Mon N., 4,810,982, Cl. 333-115.000.
Wong, Mon N.; Patin, Robert J.; Fishkin, Theodore S.; and Chang, Donald C. D., 4,812,788, Cl. 333-113.000.
Wong, Mon N., 4,818,964, Cl. 333-111.000.
Wong, Mon N., 4,882,555, Cl. 333-116.000.
Wong, Sung Y., 4,862,177, Cl. 342-160.000.
Wong, Wah S.; Wen, Cheng P.; and Kung, Jen K., 4,855,796, Cl. 357-15.000.
Wreede, John E., 4,799,746, Cl. 350-3.600.
Wreede, John E.; and Knobbe, Edward T., 4,808,500, Cl. 430-1.000.
Wreede, John E.; and Scott, James E., 4,826,290, Cl. 350-320.000.
Wreede, John E.; and Scott, James E., 4,853,306, Cl. 430-1.000.
Wreede, John E., 4,854,674, Cl. 350-320.000.
Wreede, John E.; Scott, James E.; and Upper, Richard B., 4,878,719, Cl. 350-3.750.
Wu, Te-Kao, 4,814,785, Cl. 343-909.000.
Yang, Steve S., 4,843,331, Cl. 328-20.000.
Yeh, Kwang; and Valle, Manuel B., 4,847,146, Cl. 428-332.000.
Yule, Raymond C., 4,847,807, Cl. 364-900.000.
Zwirn, Robert, 4,827,141, Cl. 250-560.000.
Zwirn, Robert; and Rafanelli, Gerard L., 4,876,602, Cl. 358-227.000.

Hughes, Antony E.: *See—*
Dearnaley, Geoffrey; Hughes, Antony E.; and Rosenbaum, Steven, 4,831,271, Cl. 250-492.200.
Hughes, Arlen J.; and Strahan, Virgil H., to United States of America, Air Force. Radiation-induced substrate photo-current compensation apparatus. 4,876,583, 10-24-89, Cl. 357-23.700.
Hughes, C. Duff: *See—*
Pensa, Ildo E.; Hughes, C. Duff; Hood, Nicholas S.; and Saunders, Eugene M., 4,828,571, Cl. 8-492.000.
Hughes, Christopher I.: *See—*
King, Stephen P.; and Hughes, Christopher I., 4,819,182, Cl. 364-508.000.
Hughes, Christopher J., to Thorn EMI plc. Remote metering system using reflected light. 4,816,672, 3-28-89, Cl. 250-231.0SE.
Hughes, Christopher S.: *See—*
Flux, Peter J.; and Hughes, Christopher S., 4,805,850, Cl. 244-17.250.
Hughes, Cleveland L.; Williams, Timothy N.; and Mandel, Paul M., Jr., to Color Quest Inc. Water soluble coloring compositions containing sparkle components. 4,840,669, 6-20-89, Cl. 106-19.000.
Hughes, Cleveland L.; Williams, Timothy N.; and Mandel, Paul M., Jr., to Color Quest Inc. Water soluble coloring compositions containing sparkle components. 4,840,670, 6-20-89, Cl. 106-19.000.
Hughes, Cleveland L.; Williams, Timothy N.; and Mandel, Paul M., Jr., to Color Quest Inc. Water soluble coloring compositions containing sparkle components. 4,859,242, 8-22-89, Cl. 106-19.000.
Hughes Company, Inc.: *See—*
Mietzel, Dennis O.; and Strand, Aaron L., 4,807,645, Cl. 130-5.00J.
Hughes, David W.; and Feeney, Robert K., to Georgia Tech Research Corporation. Method for altering characteristics of junction semiconductor devices. 4,820,657, 4-11-89, Cl. 437-172.000.
Hughes, David W.; Feeney, Robert K.; and Hertling, David R., to Georgia Tech Research Corporation. Method for altering characteristics of active semiconductor devices. 4,874,711, 10-17-89, Cl. 437-8.000.
Hughes, Dennis R., to A. O. Smith Corporation. Turbulator construction for a heat exchanger. 4,823,865, 4-25-89, Cl. 165-109.100.
Hughes, Dennis R.: *See—*
Akkala, Marc W.; and Hughes, Dennis R., 4,817,564, Cl. 122-17.000.
Hughes, Derek B.: *See—*
Selph, Marvin P.; and Hughes, Derek B., 4,804,957, Cl. 340-870.030.
Hughes, Donald R. Key operated lock. 4,831,852, 5-23-89, Cl. 70-491.000.
Hughes, Earl E., Sr. Ladder platform. 4,862,994, 9-5-89, Cl. 182-122.000.
Hughes, Elaine L. Syringe. 4,840,619, 6-20-89, Cl. 604-187.000.
Hughes, Gary N.; and Pecoraro, George A., to PPG Industries, Inc. Lid construction for a heating vessel and method of use. 4,808,205, 2-28-89, Cl. 65-135.000.
Hughes, Gordon. Cord wood rack and carrier. 4,823,965, 4-25-89, Cl. 211-60.100.
Hughes, Gregory G.; Costello, Norman F.; and Guntly, Leon, to Modine Manufacturing Company. Evaporator with improved condensate collection. 4,829,780, 5-16-89, Cl. 62-288.000.
Hughes, Gustav O., to Dresser Industries, Inc. Anhydrous refractory plastic. 4,879,319, 11-7-89, Cl. 523-139.000.
Hughes-Hartogs, Dirk, to Telebit Corporation. Ensemble modem structure for imperfect transmission media. 4,833,706, 5-23-89, Cl. 379-98.000.
Hughes, Henry G.: *See—*
Wood, Thomas E.; and Hughes, Henry G., 4,798,629, Cl. 106-287.160.
Wood, Thomas E.; and Hughes, Henry G., 4,801,560, Cl. 437-195.000.
Hughes, Henry L.: *See—*
Laenger, Charles J.; Hughes, Henry L.; and Burk, Thomas C., 4,809,696, Cl. 128-419.00R.
Hughes, Houston H., III: *See—*
Nazarenko, Dimitri M.; Hughes, Houston H., III; Gordon, Robert T.; Hattey, David L.; and Yurman, Bruno, 4,835,731, Cl. 379-63.000.
Hughes, Ian: *See—*
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Ward, Robert W.; Markwell, Roger E.; and Hughes, Ian, 4,818,754, Cl. 514-210.000.
Hughes, James P.: *See—*
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Hughes, James W.; and Hughes, James P. Low swing weight golf club set. 4,887,815, 12-19-89, Cl. 273-77.00A.
Hughes, John B., to U.S. Philips Corp. Analogue to digital converter. 4,849,759, 7-18-89, Cl. 341-156.000.

Hughes, John H.: *See—*
  Emmett, David M.; Hughes, John H.; and Zimmerman, Alan, 4,829,326, Cl. 346-157.000.
Hughes, John L., to Australian Electro Optics Pty. Ltd. Fibre communication laser system. 4,875,215, 10-17-89, Cl. 372-6.000.
Hughes, John L., to Advanced Lasers Limited. External cavity slab lasers. 4,876,694, 10-24-89, Cl. 372-93.000.
Hughes, John T., to Micropore International Ltd. Apparatus for forming shaped pieces of insulation. 4,797,082, 1-10-89, Cl. 425-356.000.
Hughes, John T., to Micropore International Limited. Method for forming shaped pieces of insulation. 4,801,415, 1-31-89, Cl. 264-120.000.
Hughes, Kathleen A.: *See—*
  Amick, David R.; Jones, Charles E.; and Hughes, Kathleen A., 4,797,223, Cl. 252-174.230.
Hughes, Kevin B., to Westinghouse Electric Corp. Detection of transposition group short circuits in machine windings. 4,849,690, 7-18-89, Cl. 324-158.0MG.
Hughes, Leonard; Fuller, James G.; and Earl, Gary W., to Sherex Chemical Company, Inc. Powdered imidazoline product and method for producing same. 4,876,355, 10-24-89, Cl. 548-352.000.
Hughes, Leslie R.; and Tucker, Howard, to Imperial Chemical Industries PLC. Alkene, alkyne or cycloalkylene derivatives. 4,845,119, 7-4-89, Cl. 514-450.000.
Hughes, Leslie R.; Oldfield, John; and Tucker, Howard, to Imperial Chemical Industries PLC. Alkene, alkyne or cycloalkylene derivatives. 4,873,329, 10-10-89, Cl. 544-265.000.
Hughes, Martin L.: *See—*
  Heron, Roger A.; Hughes, Martin L.; and Hansford, Ian, 4,836,498, Cl. 251-126.000.
Hughes, Michael P.: *See—*
  Allen, George C.; Pellon, Brian J.; and Hughes, Michael P., 4,847,340, Cl. 526-125.000.
  Pellon, Brian J.; Allen, George C.; and Hughes, Michael P., 4,859,757, Cl. 526-348.000.
Hughes Microelectronics Limited: *See—*
  Warner, David J., 4,839,909, Cl. 377-24.100.
Hughes, Murray A.: *See—*
  Dewhurst, David J.; Ng, Chee W.; Hughes, Murray A.; and Johnson, Donald A. H., 4,829,574, Cl. 381-41.000.
Hughes, Nigel: *See—*
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  Doyle, Walter M.; and Hughes, Norman S., 4,852,955, Cl. 350-1.200.
Hughes Optical Products, Inc.: *See—*
  Eppinger, Hans J., 4,818,108, Cl. 356-360.000.
Hughes, Owen P. Hockey stick. 4,799,682, 1-24-89, Cl. 273-67.00A.
Hughes, Patrick M.: *See—*
  Hwo, Charles C.; and Hughes, Patrick M., 4,886,849, Cl. 524-263.000.
Hughes, Paul R., to GTE Spacenet Corporation. Electronic housing for a satellite earth station. 4,858,069, 8-15-89, Cl. 361-384.000.
Hughes, Philip A., to Exxon Production Research Company. Method for noise suppression in the stacking of seismic traces. 4,882,713, 11-21-89, Cl. 367-47.000.
Hughes, Philip F.; Mobilio, Dominick; and Humber, Leslie G., to American Home Products Corporation. Process for the production of substituted 2-oxocyclohexaneacetic acid esters. 4,861,910, 8-29-89, Cl. 560-126.000.
Hughes, Randall E.: *See—*
  Shiley, Richard H.; Hughes, Randall E.; Webster, John R.; Hinckley, Conrad C.; Smith, Gerald V.; and Wiltowski, Tomasz, 4,888,029, Cl. 44-622.000.
Hughes, Raymond J. Tamper evident capsule and insert device. 4,883,182, 11-28-89, Cl. 206-534.000.
Hughes, Robert G., Jr.: *See—*
  Bardos, Thomas J.; Ho, Yau-Kwan; Kasper, Steven J.; and Hughes, Robert G., Jr., 4,882,147, Cl. 424-85.400.
Hughes, Robert K., to Flexstake, Inc. Bendable marker and method of marking. 4,862,823, 9-5-89, Cl. 116-209.000.
Hughes, Roger. Vehicle storage system. 4,889,377, 12-26-89, Cl. 296-3.000.
Hughes, Ronald E. Process for producing a dry granular product. 4,883,833, 11-28-89, Cl. 524-394.000.
Hughes, Samuel G., Sr. Guitar with tuning changing, key changing, chord changing and modulating capabilities. 4,856,404, 8-15-89, Cl. 84-297.00R.
Hughes, Simon H. C., to Kabushiki Kaisha Toshiba. Method and apparatus to correct for a phase error in central section magnetic resonance imaging data. 4,831,329, 5-16-89, Cl. 324-309.000
Hughes Simulation Systems, Inc.: *See—*
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Hughes, Terry C.: *See—*
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Hughes, Thomas A., Jr.: *See—*
  Liu, Wentai; Krakow, William T.; and Hughes, Thomas A., Jr., 4,821,224, Cl. 364-726.000.
Hughes, Thomas E.; and Seals, Calvin L. Microwave-activated heating element. 4,849,593, 7-18-89, Cl. 219-10.55R.
Hughes, Thomas R.: *See—*
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Hughes, Timothy C.: *See—*
  Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.
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  Edwards, Wallace L.; Jones, Joel F.; and Thompson, Howard G., Jr., 4,797,075, Cl. 418-48.000.
  Howard, Mig A., 4,845,493, Cl. 340-853.000.
  Howard, Mig A., 4,884,071, Cl. 340-854.000.
  Moses, John K., 4,865,135, Cl. 175-57.000.
  Shotwell, Duane E., 4,887,675, Cl. 175-228.000.
  Sullivan, Eric C., 4,866,245, Cl. 219-137.00R.
  Vandervier, Joseph E.; and Boyd, Clinton A., 4,803,483, Cl. 340-856.000.
  Vandevier, Joseph E., 4,834,174, Cl. 166-60.000.
Hughes, Trevor L.: *See—*
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Hughes, Victor B.; and Veltman, Ian, to Shell Oil Company. Apparatus for separating dispersed phases for fluid mixtures. 4,869,814, 9-26-89, Cl. 210-142.000.
Hughes, Vincent. Physiotherapeutic chair like device. 4,798,414, 1-17-89, Cl. 297-284.000.
Hughes, William L. Dual voltage generator system. 4,808,842, 2-28-89, Cl. 307-43.000.
Hughett, James D.: *See—*
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Hugin, Peter E.; and Tilman, Ted N. Soft break switch. 4,822,961, 4-18-89, Cl. 200-16.00R.
Hugl, Herbert; and Schnabel, Eugen, to Miles Inc. Agents and process for the detection of esterolytic and/or proteolytic enzymes. 4,806,423, 2-21-89, Cl. 435-19.000.
Hugl, Herbert; Runzheimer, Hans-Volker; Schnabel, Eugen; and Wolfrum, Gerhard, to Miles Inc. Method for detecting esterolytic and proteolytic enzymes. 4,814,271, 3-21-89, Cl. 435-19.000.
Hugo, Donald G., to Rainbow Lifegard Products, Inc. Wheeled pool vacuum head with vacuum enhancing seal. 4,835,810, 6-6-89, Cl. 15-1.700.
Hugo, Franz: *See—*
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Hugo, Schilling; and Veith, Gunter, to Sulzer Brothers Limited. Method of winding fabric onto a cloth beam and a transporter therefor. 4,871,124, 10-3-89, Cl. 242-56.00R.
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  Chauvin, Yves; Commereuc, Dominique; Hugues, Francois; Olivier, Helene; and Saussine, Lucien, 4,845,201, Cl. 534-15.000.
Hugues, Patrice; and Perineau, Jean-Maurice, to Rhone-Poulenc Chimie. PVC woven diaphragm for the electrolysis of hydrochloric acid. 4,882,025, 11-21-89, Cl. 204-252.000.
Huguet, Joan; Muchowski, Joseph M.; and Lara, Maria T., to Syntex (U.S.A.) Inc. 13,14-dihydroprostaglandin C-type derivatives. 4,888,358, 12-19-89, Cl. 514-530.000.
Hugunin, Harvey W. All-weather golf driving range. 4,889,342, 12-26-89, Cl. 273-176.00R.
Huh, Billy K.: *See—*
  Chen, Nai Y.; Huh, Billy K.; Ketkar, Anil B.; and Venkat, Chaya, 4,871,444, Cl. 208-46.000.
  Green, Gary J.; Huh, Billy K.; and Yan, Tsoung Y., 4,828,680, Cl. 208-120.000.
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Huhn, Karl, to Wacker-Chemie GmbH. Process for impregnating organic fibers. 4,874,662, 10-17-89, Cl. 428-266.000.
Huhn, Stephen D.; Given, Peter S., Jr.; and Klemann, Lawrence P., to Nabisco Brands, Inc. Ether bridged polyesters and food compositions containing ether bridged polyesters. 4,888,195, 12-19-89, Cl. 426-601.000.

Huhndorff, Harry R., to Eveready Battery Company. Cell circuit interrupter. 4,871,553, 10-3-89, Cl. 429-61.000.
Huhne, Erwin D., to UTP Schweissmaterial GmbH & Co. KG. Process and apparatus for coating components. 4,835,022, 5-30-89, Cl. 427-423.000.
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  Rantanen, Raimo; Huhta, Pentti; and Winqvist, Hans-Erik, 4,871,059, Cl. 198-532.000.
Hui, Alex C.; Wong, Anthony Y.; Dell'Oca, Conrad J.; Wong, Daniel; and Szeto, Roger, to LSI Logic Corporation. Double metal HCMOS compacted array. 4,884,118, 11-28-89, Cl. 357-45.000.
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  Yafuso, Masao; Yan, Cheng F.; Hui, Henry K.; and Miller, William W., 4,849,172, Cl. 422-55.000.
  Yafuso, Masao; and Hui, Henry K., 4,886,338, Cl. 350-96.290.
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Hui, Yu-Ngai J.: *See—*
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Huidekoper, Louis. Suspension of a steerable wheel. 4,867,467, 9-19-89, Cl. 280-276.000.
Huignard, Jean P.; and Puech, Claude, to Thomson-CSF. Device for optical control of a beam-scanning antenna. 4,864,312, 9-5-89, Cl. 342-375.000.
Huignard, Jean P.; and Herriau, Jean P., to Thomson-CSF. Bistable optical photorefractive crystal device. 4,877,312, 10-31-89, Cl. 350-354.000.
Huignard, Jean Pierre; and Meyzonnette, Jean Louis, to Thomson-CSF. Device to control a light beam in a wide angle field and application to a sensing device. 4,836,629, 6-6-89, Cl. 350-3.730.
Huignard, Jean-Pierre; Loiseaux, Brigitte; de Monchenault, Gauthier H.; and Puech, Claude, to Thomson-CSF. Device for the amplification of light-sensitive medium optic signals. 4,847,521, 7-11-89; Cl. 307-425.000.
Huignard, Jean-Pierre: *See—*
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Huijben, Antonius J.; and Ingeveld, Johannes W., to U.S. Philips Corporation. Electric incandescent lamp having truncated conical filament and a mirror coating. 4,864,181, 9-5-89, Cl. 313-113.000.
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Huijing, Johan H., to North American Philips Corporation, Signetics Division. Bridge-to-frequency converter. 4,808,846, 2-28-89, Cl. 307-271.000.
Huinink, Heinrich; Frerichs, Udo; and Poque, Dionysius, to Continental Aktiengesellschaft. Vehicle wheel. 4,794,970, 1-3-89, Cl. 152-158.000.
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  Hoek, Arend; Huizinga, Tom; and Maxwell, Ian E., 4,857,170, Cl. 208-111.000.
  Hoek, Arend; Huizinga, Tom; and Maxwell, Ian E., 4,857,171, Cl. 208-111.000.
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Hujii, Masao: *See—*
  Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hujii, Masao, 4,854,380, Cl. 165-152.000.
  Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hujii, Masao, 4,869,316, Cl. 165-151.000.
Hujsak, Edward J., to General Dynamics Corporation/Space Systems Division. Recovery system for rocket engine. 4,830,314, 5-16-89, Cl. 244-172.000.
Huju, Brian M. Tenon forming tool. 4,798,503, 1-17-89, Cl. 408-211.000.
Huka Developments B.V.: *See—*
  Duimel, Johannes J., 4,879,556, Cl. 341-20.000.
Hukumura, Seisuke: *See—*
  Ichikawa, Katumi; Amano, Itaru; Hujieda, Yasuhiko; Misumi, Shikao; Hukumura, Seisuke; and Miyauchi, Hideo, 4,874,303, Cl. 425-28.100.
Hukvari, Istvan S.; Albert, Henry J.; Moon, Vernon G.; and Steffenson, Michael R., to Parr Instrument Company. Pressure and temperature reaction vessel, method, and apparatus. 4,882,128, 11-21-89, Cl. 422-119.000.
Hulbert, Thomas N.; Sesters, James J.; and Bradley, Earl E., to Texas Instruments Incorporated. Drift compensated digitally tuned voltage controlled oscillator. 4,810,974, 3-7-89, Cl. 331-1.00A.
Hulett Aluminium Limited: *See—*
  Kipross, Stanley, 4,860,517, Cl. 52-656.000.
Hulett, Terry V.: *See—*
  Gay, James G.; Wilson, Jesse R.; Moyer, William C.; and Hulett, Terry V., 4,802,086, Cl. 364-200.000.
Hulett, Vanessa: *See—*
  Baker, Donald B.; and Hulett, Vanessa, 4,837,035, Cl. 426-43.000.
  Baker, Donald B.; and Hulett, Vanessa, 4,837,036, Cl. 426-43.000.
Huliba, David A.; Beard, James W.; and Brandon, John M., to Eastman Kodak Company. Modular two-color fluid system for continuous ink jet printer. 4,811,035, 3-7-89, Cl. 346-75.000.
Hulick, Timothy P., to Acrodyne Industries, Inc. Digital amplitude modulator - transmitter. 4,804,931, 2-14-89, Cl. 332-31.00R.
Hulihee, Ralph: *See—*
  Oswalt, Malcom C.; and Hulihee, Ralph, 4,818,004, Cl. 294-81.300.
Hulkko, Jaakko, to Nokia-Mobira Oy. Circuitry for the diversity unit in an FM receiver for a telephone system. 4,856,080, 8-8-89, Cl. 455-139.000.
Hull, Alan. Lift-tab container opener. 4,873,896, 10-17-89, Cl. 81-3.270.
Hull, Donald E.; and Bieniewski, Thomas M., to United States of America, Energy. Method of processing materials using an inductively coupled plasma. 4,795,879, 1-3-89, Cl. 219-121.590.
Hull, Ezekiel H., to Morflex Chemical Company, Inc. Citrate esters and methods. 4,824,893, 4-25-89, Cl. 524-310.000.
Hull, Ezekiel H.; and Frappier, Edward P., to Morflex Chemical Company, Inc. Method for preparing citrate esters. 4,870,204, 9-26-89, Cl. 560-180.000.
Hull, Ezekiel H.; and Frappier, Edward P., to Morflex Chemical Company, Inc. Process for preparing citrates using organic titanates. 4,883,905, 11-28-89, Cl. 560-180.000.
Hull, H. Robert, to Hexcel Corporation. Formable honeycomb panel. 4,859,517, 8-22-89, Cl. 428-116.000.
Hull, Harold L.; and Tafte, Althea P. Brassiere and/or attachment. 4,879,766, 11-14-89, Cl. 2-101.000.
Hull, Harold L.; and Metcalf, Donald. Golf glove. 4,882,787, 11-28-89, Cl. 2-161.00A.
Hull, Harold L.: *See—*
  Franke, Adrian R.; and Hull, Harold L., 4,885,987, Cl. 99-295.000.
Hull, John R., to United States of America, Energy. Electromagnetic augmentation for casting of thin metal sheets. 4,846,255, 7-11-89, Cl. 164-502.000.
Hull, Richard A.; Hull, Sheila I.; and Nowicki, Bogdan, to Baylor College of Medicine. Receptor specific proteins and their use in receptor typing. 4,882,425, 11-21-89, Cl. 530-396.000.
Hull, Richard W.; Tolsch, Donald E.; and Wang, James H. P., to Western Digital Corporation. High order digital phase-locked loop system. 4,808,884, 2-28-89, Cl. 375-120.000.
Hull, Richard W.: *See—*
  O'Shaughnessy, Timothy G.; and Hull, Richard W., 4,859,873, Cl. 307-290.000.
Hull, Robert W. Realignment tool for aperture mating surface. 4,878,371, 11-7-89, Cl. 72-390.000.
Hull, Ronald K. Water ski device. 4,857,026, 8-15-89, Cl. 441-65.000.
Hull, Sheila I.: *See—*
  Hull, Richard A.; Hull, Sheila I.; and Nowicki, Bogdan, 4,882,425, Cl. 530-396.000.
Hull, Virgil J.: *See—*
  Stephany, Joseph F.; Lakatos, Andras I.; Hull, Virgil J.; and Perregaux, Alain E., 4,830,468, Cl. 350-336.000.
Hull, William J., to Procter & Gamble Company, The. Flaccid bag having improved integrally formed carrying handle. 4,846,587, 7-11-89, Cl. 383-10.000.
Hulla, Heinz: *See—*
  Schimmel, Johannes; Bauer, Harald; Burian, Gunther; Hulla, Heinz; Kagerer, Robert; and Kubin, Helmut, 4,885,690, Cl. 364-424.100.
Hullmann, Michael: *See—*
  Piejko, Karl-Erwin; Bomer, Bruno; Buysch, Hans-Josef; and Hullmann, Michael, 4,879,367, Cl. 528-371.000.

Hulme-Lowe, Alan G.; Bell, Vivien L.; and Ferguson, Ian J., to Minnesota Mining and Manufacturing Company. Recording medium for optical data storage. 4,861,697, 8-29-89, Cl. 430-270.000.

Hulon, Walter C. Biological product shipping tube. 4,842,153, 6-27-89, Cl. 215-365.000.

Hulon, Walter C. Urine bottle with cap. 4,889,249, 12-26-89, Cl. 215-230.000.

Huls AG: *See*—

Homann, Walter K., 4,808,747, Cl. 558-374.000.

Huls Aktiengesellschaft: *See*—

Bartmann, Martin; and Ribbing, Wilfried, 4,814,431, Cl. 528-491.000.

Bartmann, Martin; and Ribbing, Wilfried, 4,868,283, Cl. 528-480.000.

Bartmann, Martin; and Ikeda, Naoki, 4,873,310, Cl. 528-208.000.

Bartmann, Martin, 4,876,310, Cl. 525-149.000.

Bickert, Peter; and Bellut, Hans, 4,864,026, Cl. 544-315.000.

Czytko, Michael; Ishii, Kiyoshi; and Kawai, Kimitoshi, 4,882,277, Cl. 435-136.000.

Finke, Juergen; and Bartmann, Martin, 4,824,932, Cl. 528-363.000.

Fuhrmann, Werner; zur Hausen, Manfred; and Krix, Wilfried, 4,855,458, Cl. 549-248.000.

Jadamus, Hans; and Richter, Klaus-Peter, 4,800,120, Cl. 428-286.000.

Jadamus, Hans; and Richter, Klaus-Peter, 4,816,345, Cl. 428-521.000.

Jadamus, Hans; Beckmann, Guenter; Streck, Roland; Richter, Klaus-Peter; and Schafer, Wolfgang, 4,835,063, Cl. 428-495.000.

Kelkenberg, Heike; and Ruback, Wulf, 4,882,091, Cl. 252-527.000.

Kleine-Homann, Walter, 4,814,509, Cl. 568-854.000.

Luders, Harald, 4,866,165, Cl. 536-18.600.

Lueders, Harald, 4,820,814, Cl. 536-127.000.

Schindler, Fritz, 4,810,504, Cl. 426-7.000.

Scholz, Bernhard-Peter, 4,855,372, Cl. 526-201.000.

Smigerski, Hans-Juergen; and Ernst, Uwe, 4,883,829, Cl. 523-334.000.

Sommer, August; and Schlueter, Dietrich, 4,808,559, Cl. 502-63.000.

Sridhar, Srinivasan, 4,828,993, Cl. 435-136.000.

Huls America, Inc.: *See*—

Arena, Arthur A., 4,839,233, Cl. 428-220.000.

Hulse, Darcel L.: *See*—

Shih, Chien-Cheng; Hulse, Darcel L.; and Albertson, Walter, 4,813,788, Cl. 366-337.000.

Hulsewis: *See*—

Bierwirth, Adolf-Peter; Sauerwald, Walter; Hulsewis; and Metz, Josef, 4,838,144, Cl. 89-46.000.

Hulsey, Tommy R., to Construction Fasteners, Inc. Screw fastener blank. 4,816,346, 3-28-89, Cl. 428-582.000.

Hulshof, Jozef J. M., to U.S. Philips Corporation. Circuit for producing a periodic, essentially parabolic signal. 4,849,652, 7-18-89, Cl. 307-261.000.

Hulshof, Jozef J. M.: *See*—

Teuling, Dirk J.; and Hulshof, Jozef J. M., 4,872,055, Cl. 358-148.000.

Hulsing, Rand H.; and Peters, Rex B., to Sundstrand Data Control, Inc. Angular rate sensor with phase shift correction. 4,799,385, 1-24-89, Cl. 73-505.000.

Hulsing, Rand H., to Sundstrand Data Control, Inc. Frame assembly and dither drive for a coriolis rate sensor. 4,811,602, 3-14-89, Cl. 73-505.000.

Hulsing, Rand H., to Sundstrand Corporation. Servo loop control for a coriolis rate sensor dither drive. 4,814,680, 3-21-89, Cl. 318-561.000.

Hulsing, Rand H., to Sundstrand Data Control, Inc. Frame assembly and dither drive for a coriolis rate sensor. 4,848,156, 7-18-89, Cl. 73-505.000.

Hulsing, Rand H., to Sundstrand Data Control, Inc. Frame assembly and dither drive for a coriolis rate sensor. 4,864,861, 9-12-89, Cl. 73-517.0AV.

Hulsing, Rand H., II, to Sundstrand Data Control, Inc. Borehole survey system utilizing strapdown inertial navigation. 4,812,977, 3-14-89, Cl. 364-422.000.

Hulsing, Rand H., II, to Sundstrand Data Control, Inc. Multi axis angular rate sensor having a single dither axis. 4,821,572, 4-18-89, Cl. 73-505.000.

Hulsing, Rand H., II; Peters, Rex B.; and Norling, Brian L., to Sundstrand Data Control, Inc. Low profile accelerometer. 4,881,408, 11-21-89, Cl. 73-517.0AV.

Hulskers, Harold: *See*—

Coleman-Kammula, Seetha; and Hulskers, Harold, 4,851,010, Cl. 8-115.620.

Hulsman, William: *See*—

Raymond, Samuel O.; Hulsman, William; and Warner, Caleb, 4,862,732, Cl. 73-45.400.

Hult, David R.; and Tomasiak, Mark J., to Emerson Electric Co. Multi-purpose floor cleaning tool. 4,864,681, 9-12-89, Cl. 15-367.000.

Hult, David R.; and Young, Jeffrey L., to Emerson Electric Co. Wheeled hand cart for wet/dry utility vacuum cleaner. 4,888,849, 12-26-89, Cl. 15-327.00F.

Hultberg, Sten; and Hansson, Birger, to Jimek International AB. Spray nozzle and valve assembly. 4,873,925, 10-17-89, Cl. 101-147.000.

Hulten, Goran: *See*—

Roffey, Roger; Olofsson, Goran; Norqvist, Anders; and Hulten, Goran, 4,808,538, Cl. 436-6.000.

Hulterstrum, Harold D. Cart assembly for a partially-immobilized animal. 4,821,676, 4-18-89, Cl. 119-1.000.

Hultin, Leino. Arrangement for the measurement of electronic units 4,845,427, 7-4-89, Cl. 324-158.00P.

Hultsch, Guenter: *See*—

Pawlowski, Georg; Hultsch, Guenter; and Mack, Gerhard, 4,840,868, Cl. 430-155.000.

Hultsch, Guenther: *See*—

Alstetter, Franz; and Hultsch, Guenther, 4,801,336, Cl. 134-32.000.

Hultz, Robert C.: *See*—

Stamper, Richard W.; and Hultz, Robert C., 4,827,686, Cl. 52-408.000.

Hum, Wah-tung; and Lee, Shaw-guang, to American Home Products Corporation. Method for isolation of antigen specific immunoglobulin. 4,806,346, 2-21-89, Cl. 424-85.800.

Human Industry Corporation: *See*—

Kumasaka, Sadao; Tada, Satomi; and Wakabayashi, Hirokazu, 4,814,515, Cl. 568-619.000.

Human, Lance. Motor vehicle parking device. 4,808,969, 2-28-89, Cl. 340-95.000.

Human Performance Technologies, Inc.: *See*—

Au, Jan C., 4,813,436, Cl. 128-779.000.

Humbach, Michael J.; and Hale, John G., to UOP Inc. Combination process for the conversion of a distillate hydrocarbon to maximize middle distillate production. 4,798,665, 1-17-89, Cl. 208-61.000.

Humbarger, Grant V., to Miles Inc. Fixture and method of testing for soft package leak integrity. 4,887,457, 12-19-89, Cl. 73-49.300.

Humber, David C.; Coates, Ian H.; Bell, James A.; and Ewan, George B., to Glaxo Group Limited. Indole derivatives. 4,814,344, 3-21-89, Cl. 514-397.000.

Humber, David C.: *See*—

Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; and Mitchell, William L., 4,822,881, Cl. 540-603.000.

Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; Mitchell, William L.; and Price, Barry J., 4,859,662, Cl. 514-212.000.

Humber, Leslie G.: *See*—

Hughes, Philip F.; Mobilio, Dominick; and Humber, Leslie G., 4,861,910, Cl. 560-126.000.

Katz, Alan H.; Demerson, Christopher A.; and Humber, Leslie G., 4,826,994, Cl. 548-342.000.

Mobilio, Dominick; and Humber, Leslie G., 4,847,389, Cl. 548-439.000.

Humberger, Roger B.: *See*—

Bierman, Laurence W.; Polinsky, Samuel M.; and Humberger, Roger B., 4,883,586, Cl. 209-167.000.

Humbert, Bernard M. M. Blister pack for presentation of an article having opto-electronic information thereon. 4,850,488, 7-25-89, Cl. 206-459.000.

Humbert, Charles. Device for linking ski tips. 4,828,288, 5-9-89, Cl. 280-818.000.

Humbert, Daniel: *See*—

Gasc, Jean-Claude; Nedelec, Lucien; Humbert, Daniel; and Boventura, Ana-Maria, 4,855,302, Cl. 514-278.000.

Humbert, Kingsley E., Jr., to Dana Corporation. Self-venting spool valve assembly. 4,846,223, 7-11-89, Cl. 137-625.190.

Humbert-Labeaumaz, Alain: *See*—

Heng, Jean-Paul; Jusseau, Marcel; and Humbert-Labeaumaz, Alain, 4,832,439, Cl. 350-96.210.

Humble, David R., to Advance Promotion Technologies, Inc. System and method for checkout counter product promotion. 4,825,045, 4-25-89, Cl. 235-383.000.

Humble, David R., to Advance Promotion Technologies, Inc. Checkout counter product promotion system and method. 4,833,308, 5-23-89, Cl. 235-383.000.

Humble, John D.; and Yan, Tsoung Y., to Mobil Oil Corporation. Process for the low temperature deriming of cryogenic heat exchangers. 4,813,986, 3-21-89, Cl. 62-12.000.

Humble, Walter P.; Durkos, John C.; DiMargio, Nick A.; Cornell, Dominick J.; and Syak, Charles W., to Syro Steel Company. Energy absorbing guard rail terminal. 4,838,523, 6-13-89, Cl. 256-13.100.

Humboldt-Universitaet zu Berlin: *See*—

Schewe, Tankred; Kuehn, Hartmut; Beger, Joerg; Grupe, Renate; Rapoport, Samuel M.; Binte, Hans-Joachim, deceased; and Slapke, Juergen, 4,816,487, Cl. 514-640.000.

Humbs, Rolf; and Depta, Ingolf, to Siemens Aktiengesellschaft. Apparatus for sealing and cleaning the ink discharge openings at an ink printing head. 4,855,764, 8-8-89, Cl. 346-140.00R.

Humburger, Siegbert: *See*—

Zaby, Gottfried; Judat, Helmut; Humburger, Siegbert; de Vos, Stefaan; and Eckermann, Rolf W., 4,851,570, Cl. 560-347.000.

Hume, Ronald W., to Equip-Mark, Inc. Blending and dispensing beverages. 4,854,721, 8-8-89, Cl. 366-340.000.

Humen, Michael W.; and Hernandez, Augusto, to Cooper Power Systems, Inc. Transformer core and coil support assembly. 4,837,543, 6-6-89, Cl. 336-92.000.

Humenik, James N.: *See*—

Galvagni, John; Oberschmidt, James M.; and Humenik, James N., 4,862,318, Cl. 361-321.000.

Humer, Mladen, to General Motors Corporation. Easy entry seat adjuster with memory. 4,844,542, 7-4-89, Cl. 297-341.000.

Humer, Mladen: *See*—

Borlinghaus, Hans J.; Orlowsky, Michael G.; Goodbred, Neil G.; Humer, Mladen; and Cooper, Steven J., 4,881,827, Cl. 384-47.000.

Rees, Richard W. A.; and Humer, Mladen, 4,860,988, Cl. 248-420.000.

Humes, Dennis W.: *See*—

Logman, Timothy M.; Daghe, Joseph L.; Humes, Dennis W.; Floren, Carl E.; and Bouc, Gary L., 4,848,730, Cl. 251-367.000.

Humes, Robert W.: *See*—

Kaplan, Murray; and Humes, Robert W., 4,797,913, Cl. 379-91.000.

Hummel, Daniel L., to Flatiron Service Company. Apparatus for machining an earth grader blade support. 4,821,464, 4-18-89, Cl. 51-241.00S.

Hummel, Klaus W.: *See*—

Sauer, Gerhard; Amtmann, Eberhard; and Hummel, Klaus W., 4,851,435, Cl. 514-512.000.

Hummel, Paul A.; Skimerhorn, James A.; and Harris, Geoffrey, to Maremont Corporation. Vehicular shock absorber and piston comfort valving. 4,809,829, 3-7-89, Cl. 188-322.150.

Hummel, Peter: *See*—

Raab, Rudolf; Herold, Manfred; and Hummel, Peter, 4,813,353, Cl. 101-410.000.

Rebel, Herbert; and Hummel, Peter, 4,831,928, Cl. 101-216.000.

Hummel, Richard A.; and Specter, George. Window crank extension. 4,827,794, 5-9-89, Cl. 74-543.000.

Hummel, Werner; Schutte, Horst; Kula, Maria-Regina; and Leuchtenberger, Wolfgang, to Degussa Aktiengesellschaft. Microbiologically produced d(-)-mandelate-dehydrogenase process for obtaining it and its use. 4,824,781, 4-25-89, Cl. 435-146.000.

Hummel, Werner: *See*—

Kula, Maria-Regina; Hummel, Werner; Schutte, Horst; and Leuchtenberger, Wolfgang, 4,877,734, Cl. 435-228.000.

Hummel, William F., Jr.: *See*—

Smay, John W.; Hummel, William F., Jr.; Chen, Carl L.; and Slafer, Loren I., 4,837,699, Cl. 364-434.000.

Hummelstedt, Leif Erik I.: *See*—

Nyman, Bror G.; and Hummelstedt, Leif Erik I., 4,818,503, Cl. 423-10.000.

Hummer, L. Leroy. Tamper-evident container. 4,817,807, 4-4-89, Cl. 215-253.000.

Hummerich, Rainer; Kerber, Michael; Maempel, Lothar; and Weyland, Peter, to BASF Aktiengesellschaft. Aqueous polyurethane adhesive dispersions. 4,861,826, 8-29-89, Cl. 524-839.000.

Hummert, George T.; Slepian, Robert M.; and Westrick, Lawrence R., to Westinghouse Electric Corp. Apparatus for detecting onset of slag entrainment in a molten metal stream. 4,859,940, 8-22-89, Cl. 324-204.000.

Hummert, Gerald F. Structural plug member and insert tool. 4,844,152, 7-4-89, Cl. 165-76.000.

Humml, Siegfried: *See*—

Bitzinger, Rudolf; Engl, Walter; Humml, Siegfried; and Schreier, Klaus, 4,860,333, Cl. 379-10.000.

Hummler, Johannes: *See*—

Hahn, Ortwin; and Hummler, Johannes, 4,800,050, Cl. 264-40.600.

Humonics, Inc.: *See*—

Patterson, Dwight; and Levine, Neil A., 4,879,907, Cl. 73-861.050.

Humpert, Jurgen; and Kostorz, Jan R., to Friedrich Grohe Armaturenfabrik GmbH & Co. Connecting fitting for a mixing valve and process for connecting the valve. 4,846,207, 7-11-89, Cl. 137-15.000.

Humphrey, Brian, to Basic Packaging Systems, Inc. Bag filling machine. 4,835,948, 6-6-89, Cl. 53-567.000.

Humphrey, Cecil T. Double bank grain cleaner and aspirator therefor. 4,840,727, 6-20-89, Cl. 209-32.000.

Humphrey Cycle Engine Partners, L.P.: *See*—

Humphrey, Duane W., 4,805,571, Cl. 123-316.000.

Humphrey, Dallas, to Edina Technical Products, Inc. Vending machine dispenser. 4,852,767, 8-1-89, Cl. 221-241.000.

Humphrey, Dallas R.: *See*—

DeGree, David C.; Humphrey, Dallas R.; Bergquist, Carl R.; and West, Roger A., 4,853,763, Cl. 357-81.000.

Humphrey, David T., to Du Pont de Nemours, E. I., and Company. Electrical component mounting and connection assembly. 4,820,190, 4-11-89, Cl. 439-395.000.

Humphrey, Duane W., to Humphrey Cycle Engine Partners, L.P. Internal combustion engine. 4,805,571, 2-21-89, Cl. 123-316.000.

Humphrey, Essie Mae; and Humphrey, Pete, Jr. Color coded medicine caps and labels for daily dosage. 4,883,180, 11-28-89, Cl. 206-534.000.

Humphrey, Floyd; and Cantey, James B., to Sensormatic Electronics Corporation. Article enclosure with magnetic marker deactivating means. 4,811,000, 3-7-89, Cl. 340-551.000.

Humphrey, Floyd B., to Sensormatic Electronics Corporation. Article surveillance marker capable of being deactivated by relieving the retained stress therein and method and system for deactivating the marker. 4,797,658, 1-10-89, Cl. 340-551.000.

Humphrey, John R., to International Packaging Machines, Inc. Stretch wrapping machine. 4,840,006, 6-20-89, Cl. 53-64.000.

Humphrey, John R., to International Packaging Machines, Inc. Constant tension stretch wrapping machine. 4,862,678, 9-5-89, Cl. 53-556.000.

Humphrey, Lloyd E. Apparatus and method for carrying skis and ski poles. 4,861,072, 8-29-89, Cl. 280-814.000.

Humphrey, Martin D.: *See*—

Johnson, Alfred N.; and Humphrey, Martin D., 4,862,005, Cl. 250-385.100.

Johnson, Alfred N.; and Humphrey, Martin D., 4,866,277, Cl. 250-385.100.

Humphrey, Michael J.: *See*—

Campbell, Simon F.; Humphrey, Michael J.; and Stobie, Alan, 4,806,557, Cl. 514-356.000.

Humphrey, Pete, Jr.: *See*—

Humphrey, Essie Mae; and Humphrey, Pete, Jr., 4,883,180, Cl. 206-534.000.

Humphrey Products Company: *See*—

Tinholt, Thomas, 4,842,020, Cl. 137-625.650.

Toliusis, Vytautas J., 4,823,842, Cl. 137-625.650.

Humphrey, Sean P. Means and method for flavored wood reeds for woodwind instruments. 4,856,405, 8-15-89, Cl. 84-383.00A.

Humphrey, Theodore J., to Video Sound, Inc. Audio amplifier. 4,797,633, 1-10-89, Cl. 330-297.000.

Humphrey, Thomas. Stringed musical instrument. 4,873,909, 10-17-89, Cl. 84-293.000.

Humphreys, D. Russell, to United States of America, Energy. High voltage supply for neutron tubes in well logging applications. 4,808,368, 2-28-89, Cl. 376-118.000.

Humphreys & Glasgow Ltd.: *See*—

Nurse, Trevor W., 4,881,366, Cl. 60-39.070.

Humphreys, Jerry W.; and Radler, Michael S., to Markman and Associates. Laundry transfer and counting apparatus. 4,849,999, 7-18-89, Cl. 377-6.000.

Humphreys, John D.: *See*—

Havera, Herbert J.; Humphreys, John D.; and Jazdzewski, Joan M., 4,853,329, Cl. 435-183.000.

Humphreys, Richard M., to Eastman Kodak Company. Disk drive providing automatic hub seating. 4,833,555, 5-23-89, Cl. 360-99.120.

Humphreys, Robert E.; and Gray, Steven M., to Royal Technology, Inc. Telephone intercept system. 4,813,070, 3-14-89, Cl. 379-213.000.

Humphreys, Robert W. R.; and Madison, Stephen A., to Lever Brothers Company. Quaternary ammonium or phosphonium substituted peroxy carbonic acid precursors and their use in detergent bleach compositions. 4,818,426, 4-4-89, Cl. 252-99.000.

Humphreys, Thomas G., Jr.; Plosser, George G.; and Ryan, Michael D., Jr., to Plosser, R. Donald. Apparatus for determining the location and distance to a concealed conductive structure. 4,843,324, 6-27-89, Cl. 324-326.000.

Humphries, Benjamin T.; and Prole, Aleksandar, to Westinghouse Electric Corp. Method and apparatus for changing the phase sequence of a completed generator. 4,866,316, 9-12-89, Cl. 310-71.000.

Humphries, Darral V.: *See*—

Lo, Ying-Cheng; and Humphries, Darral V., 4,874,657, Cl. 428-220.000.

Humphries, David R.; Fetterhoff, Donald C.; and Higgins, William R., to ATR International, Inc. Aircraft shell module. 4,799,631, 1-24-89, Cl. 244-118.500.

Humphries, Gillian M. K.; Parce, John W.; and McConnell, Harden M., to Molecular Devices Corporation. Photoresponsive redox detection and discrimination. 4,849,330, 7-18-89, Cl. 435-4.000.

Humphries, Gillian M. K.; Parce, John W.; and McConnell, Harden M., to Molecular Devices Corporation. Photoresponsive redox detection and discrimination. 4,883,579, 11-28-89, Cl. 204-403.000.

Humphries, John R., to EMI Limited. Process for producing an inorganic foam. 4,812,170, 3-14-89, Cl. 106-122.000.

Humpleman, Richard J., to Active Memory Technology Ltd. Switching circuit avoiding glitches at the instant of switch-over between two clock signals. 4,855,615, 8-8-89, Cl. 307-269.000.

Hums, Erich, to Siemens Aktiengesellschaft. Catalyst carrier material and method for producing the same. 4,814,318, 3-21-89, Cl. 502-439.000.

Hums, Erich, to Siemens Aktiengesellschaft. Plate-like catalyst. 4,847,234, 7-11-89, Cl. 502-208.000.

Hums, Erich; Hein, Dietmar; and Schmelz, Helmut, to Siemens Aktiengesellschaft. Catalyst material for reducing the nitrogen oxides in flue gases. 4,849,392, 7-18-89, Cl. 502-209.000.

Hums, Erich, to Siemens Aktiengesellschaft. Catalyst material for reducing nitrogen oxides in flue gases and method for producing the same. 4,851,381, 7-25-89, Cl. 502-209.000.

Hums, Erich, to Siemens Aktiengesellschaft. Combustion plant with a device for reducing nitrogen oxides in flue gases. 4,880,378, 11-14-89, Cl. 431-170.000.

Hums, Norbert; and Schafft, Helmut, to Westfalia Separator AG. Process for the secondary purification and stabilization of liquids containing polyphenols and/or proteins, particularly beverages and more especially beer. 4,820,420, 4-11-89, Cl. 210-669.000.

Hund, Andreas: *See*—

Leiter, Herbert; Koch, Herbert; Hund, Andreas; and Reinheimer, Guenter, 4,837,595, Cl. 354-412.000.

Hundeby, David R., to Flexi-Coil Limited. Agricultural water cannon. 4,858,832, 8-22-89, Cl. 239-723.000.

Hundeby, David R.: *See*—

Friggstad, Terrance; and Hundeby, David R., 4,840,233, Cl. 172-311.000.

Hundertmark, James M., to Brunswick Corporation. Valve control for back draft carburetor. 4,836,506, 6-6-89, Cl. 261-23.200.

Hundley, John G., to Amoco Corporation. Process for production of aromatic polycarboxylic acids. 4,855,492, 8-8-89, Cl. 562-414.000.

Hundt, Werner: *See*—

Heynemann, Carl; and Hundt, Werner, 4,826,142, Cl. 267-140.100.

Hung, Chi-Wen; and Reynolds, Bruce E., to Chevron Research Company. Graded catalyst system for removal of calcium and sodium from a hydrocarbon feedstock. 4,830,736, 5-16-89, Cl. 208-251.00H.

Hung, Francis Y.; and McGinn, Donald S., to Northern Telecom Limited. Telephone protection circuit. 4,849,846, 7-18-89, Cl. 361-56.000.

Hung Mei Brush Co., Ltd.: *See*—

Kao, Aqee, 4,807,586, Cl. 124-73.000.

- Hung, Michael. Multi-function rack structure for carrying a jack. 4,832,355, 5-23-89, Cl. 280-32.500.
- Hung, Michael. Lever connecting mechanism for hydraulic jacks. 4,850,568, 7-25-89, Cl. 254-8.00B.
- Hung, Michael. Sliding rail construction for the rowing exercising machine. 4,889,281, 12-26-89, Cl. 238-143.000.
- Hung, Paul; and Tseng, Kenneth, to M&T Chemicals Inc. UV curable compositions for making improved solder mask coatings. 4,849,321, 7-18-89, Cl. 430-284.000.
- Hung, Paul L. K.; and Tseng, Kenneth K. S., to M&T Chemicals Inc. Aqueous akaline developable, UV curable urethane acrylate compounds and compositions useful for forming liquid 100 percent solids, solvent-free solder mask coatings. 4,874,799, 10-17-89, Cl. 522-96.000.
- Hung, Peter: *See—*
  - De Luca, Paul V.; and Hung, Peter, 4,832,192, Cl. 206-334.000.
- Hung, Tung-Ping. Wheelbarrow. 4,802,681, 2-7-89, Cl. 280-47.180.
- Hung, William M.; and Kassner, James E., to Hilton Davis Co. Novel compounds, process and marking systems. 4,795,736, 1-3-89, Cl. 503-218.000.
- Hung, William M., to Hilton Davis Co. Novel compounds, processes and marking systems. 4,870,050, 9-26-89, Cl. 503-224.000.
- Hung, Yau Y. Apparatus and method for electronic analysis of test objects. 4,887,899, 12-19-89, Cl. 356-35.500.
- Hungaria Muanyagfeldolgozo Vallalat: *See—*
  - Banai, Endre; Bacsinsky, Tibor; Kormos, Vladimir; and Molnar, Jozsef, 4,842,920, Cl. 428-184.000.
- Hunger, Gunther: *See—*
  - Hilterhaus, Bodo; and Hunger, Gunther, 4,859,650, Cl. 503-213.000.
- Hunger, Hans-Dieter: *See—*
  - Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Grzatschus, Monika, 4,849,077, Cl. 264-182.800.
  - Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Gratschus, Monika, 4,882,127, Cl. 422-50.000.
- Hungerford, John W. Modular air bar. 4,869,157, 9-26-89, Cl. 98-40.160.
- Hungerford, Roger D. Recipe calculator. 4,872,112, 10-3-89, Cl. 364-400.000.
- Hunia, Robert M.: *See—*
  - Basil, John D.; Lin, Chia-Cheng; and Hunia, Robert M., 4,799,963, Cl. 106-287.130.
- Hunka, John F.: *See—*
  - Barber, Thomas D.; Chandler, Richard N.; and Hunka, John F., 4,873,488, Cl. 324-339.000.
- Hunka, Robert S.: *See—*
  - Kline, James R.; and Hunka, Robert S., 4,821,955, Cl. 236-49.300.
- Hunkapiller, Michael W.; Connell, Charles R.; Mordan, William J.; Lytle, John D.; and Bridgham, John A., to Applied Biosystems, Inc. Real time scanning electrophoresis apparatus for DNA sequencing. 4,811,218, 3-7-89, Cl. 364-413.010.
- Hunkapiller, Michael W., to Applied Biosystems, Inc. Quantitation of chromatographic information. 4,837,726, 6-6-89, Cl. 364-498.000.
- Hunkapiller, Michael W., to Applied Biosystems, Inc. Determination of peptide sequences. 4,852,017, 7-25-89, Cl. 364-497.000.
- Hunkapiller, Michael W.: *See—*
  - Bridgham, John; Geiser, Timothy G.; Hunkapiller, Michael W.; Kent, Stephen B. H.; Marriott, Mark P.; Ramstad, Paul O.; and Nordman, Eric S., 4,816,513, Cl. 525-54.110.
  - Whiteley, Norman M.; Hunkapiller, Michael W.; and Glazer, Alexander N., 4,883,750, Cl. 435-6.000.
- Hunke, Friedrich, to Automatik Apparate-Machinenbau GmbH. Device for granulating strands of thermoplastic materials. 4,838,775, 6-13-89, Cl. 425-67.000.
- Hunkeler, Franz; Rey, Max; and Wunder, Renate, to Jos. Hunkeler Ltd. Composite label for fastening to an article. 4,868,027, 9-19-89, Cl. 428-42.000.
- Hunkeler, Walter; Kyburz, Emilio; and Meier, Marc, to Hoffmann-La Roche Inc. Imidazodiazepine derivatives for treatment of disorders of the central nervous system. 4,863,920, 9-5-89, Cl. 514-219.000.
- Hunnel, Larry B.: *See—*
  - Trevison, Robert L.; McKee, William E.; and Hunnel, Larry B., 4,837,928, Cl. 29-840.000.
- Hunnicutt, Clyde J., Jr. Ventilated water closet. 4,853,981, 8-8-89, Cl. 4-213.000.
- Hunninghake, Jeffry: *See—*
  - Latham, William J.; Brewer, Terry L.; and Hunninghake, Jeffry, 4,822,718, Cl. 430-271.000.
- Hunns, Jeremy C. B.: *See—*
  - Brunold, Colin R.; Dickens, Andrew W.; Hunns, Jeremy C. B.; Mackley, Malcolm R.; and Williams, Huw R., 4,832,500, Cl. 366-268.000.
- Hunold, Klaus: *See—*
  - Schwetz, Karl-Alexander; Grellner, Wolfgang; Hunold, Klaus; Mohr, Max; and Lipp, Alfred, 4,803,183, Cl. 501-96.000.
  - Sindlhauser, Peter; Hunold, Klaus; and Lipp, Alfred, 4,885,264, Cl. 501-87.000.
- Hunold, Michael, to Siemens Aktiengesellschaft. X-ray video system and method for the transillumination of an examination subject. 4,875,225, 10-17-89, Cl. 378-99.000.
- Hunsaker, Glen L., to United States of America, Navy. Acoustic pinger for use in high speed water entry test bodies. 4,829,494, 5-9-89, Cl. 367-173.000.
- Hunsaker, Scott W.: *See—*
  - Cheung, Peter W.; Gauglitz, Karl F.; Mason, Lee R.; Prosser, Stephen J.; Smith, Robert E.; Wagner, Darrell O.; and Hunsaker, Scott W., 4,819,646, Cl. 128-633.000.
- Hunsmann, Gerhard: *See—*
  - Eckstein, Fritz; Hunsmann, Gerhard; and Hartmann, Heinz, 4,880,782, Cl. 514-45.000.
- Hunt, Alexander, III: *See—*
  - Denlinger, Keith R.; Glatfelter, Scott; and Hunt, Alexander, III, 4,850,888, Cl. 439-188.000.
- Hunt, Andrew, to Schlumberger Technology Corporation. Measuring flow in a pipe. 4,856,344, 8-15-89, Cl. 73-861.040.
- Hunt, Anthony C.; and Pidgeon, Charles, to University of California, The Regents of the. Light sensitive liposomes. 4,882,165, 11-21-89, Cl. 424-450.000.
- Hunt, Ben A. Toothpick dispenser with non-jam dispensing grooves and box travel limit stop. 4,826,041, 5-2-89, Cl. 221-152.000.
- Hunt, Carl E., to GTE Valenite Corporation. Central drawbar coupling actuating mechanism. 4,804,301, 2-14-89, Cl. 409-233.000.
- Hunt, Carl E., to GTE Valenite Corporation. Grooving or threading tool. 4,871,286, 10-3-89, Cl. 408-144.000.
- Hunt, Carl E., to GTE Valenite Corporation. Coarse/fine adjustment boring head. 4,878,787, 11-7-89, Cl. 408-181.000.
- Hunt, Christopher, to Climax Portable Machine Tools, Inc. Portable flange facer. 4,852,435, 8-1-89, Cl. 82-113.000.
- Hunt, Christopher I.: *See—*
  - Johnson, Robert E.; Dinsmore, William R.; and Hunt, Christopher I., 4,848,028, Cl. 47-57.500.
- Hunt, Clive W., to Steel Engineering Company Limited, The. Hydraulically powered rotary percussive machines. 4,846,288, 7-11-89, Cl. 173-105.000.
- Hunt, Clive W., to Steel Engineering Company Limited, The. Hydraulic percussive machines. 4,852,663, 8-1-89, Cl. 173-134.000.
- Hunt, Curtiss D.: *See—*
  - Nielsen, Forrest H.; and Hunt, Curtiss D., 4,849,220, Cl. 424-659.000.
- Hunt, David G.: *See—*
  - Wolcott, Duane K.; Graves, Ernest D., Jr.; and Hunt, David G., 4,798,803, Cl. 436-52.000.
- Hunt-Davis, Inc.: *See—*
  - Hunt, John F., 4,848,828, Cl. 296-100.000.
- Hunt, Edward S.: *See—*
  - Laub, Herman. III, deceased; and Hunt, Edward S., 4,817,683, Cl. 141-1.000.
- Hunt, George R.: *See—*
  - Errede, Louis A.; and Hunt, George R., 4,871,671, Cl. 435-182.000
- Hunt, Harold H., to Phillips Petroleum Company. Tube support for heat exchanger. 4,871,016, 10-3-89, Cl. 165-109.100.
- Hunt, Harold R., to Phillips Petroleum Company. Tube support for heat exchanger. 4,823,866, 4-25-89, Cl. 165-162.000.
- Hunt F[illegible]dings, Inc.: *See—*
  - Clayburn, C. Wayne, 4,865,286, Cl. 248-460.000.
  - Sorgi, Dennis M.; and Fleming, John T., 4,844,387, Cl. 248-1.00F.
- Hunt, Howard W. Swimmer's snorkel. 4,805,610, 2-21-89, Cl. 128-201.110.
- Hunt, John F., to Hunt-Davis, Inc. Expandable cover for an open enclosure. 4,848,828, 7-18-89, Cl. 296-100.000.
- Hunt, John H.; and Padfield, John M., to Glaxo Group Limited. Micronized beclomethasone dipropionate monohydrate compositions and methods of use. 4,866,051, 9-12-89, Cl. 514-180.000.
- Hunt, John M.: *See—*
  - Holmes, J. Fred; Hunt, John M.; Draper, Douglas C.; Cloninger, Todd L.; Mersereau, Tom R.; and Hosler, Michael J., 4,806,729, Cl. 219-121.630.
- Hunt, John W.: *See—*
  - Estrada, Calixto; Hamerslag, James D.; Hooley, Robert W.; Hunt, John W.; Johnson, Melvin H.; McCabe, Duncan D.; and Perrotto, Joseph A., 4,865,410, Cl. 350-96.200.
- Hunt, Mack W.; and Udelhofen, John H., to Amoco Corporation. Process for the preparation of overbased molybdenum alkaline earth metal and alkali metal dispersions. 4,832,857, 5-23-89, Cl. 252-33.000.
- Hunt, Mack W., to Amoco Corporation. Overbased alkali metal sulfonates. 4,867,891, 9-19-89, Cl. 252-33.000.
- Hunt, Mack W., to Amoco Corporation. Preparation of high base calcium sulfonates. 4,880,550, 11-14-89, Cl. 252-33.000.
- Hunt, Michael S.; Mundell, Peter J.; and Strover, Angus E., to South African Inventions Development Corporation. Surgical implant. 4,851,005, 7-25-89, Cl. 623-18.000.
- Hunt, Michael S.: *See—*
  - Pipkin, Noel J.; and Hunt, Michael S., 4,857,172, Cl. 209-1.000.
- Hunt, Paul R.: *See—*
  - Baltz, Gene F.; and Hunt, Paul R., 4,870,392, Cl. 340-608.000.
- Hunt, Peter, to Lucas Industries. Rotary electric machine. 4,888,510, 12-19-89, Cl. 310-54.000.
- Hunt, Robert J.; and Crockard, Kenneth F., to James Mackie & Sons Limited. Drawing machines. 4,885,904, 12-12-89, Cl. 57-67.000.
- Hunt, Robert N.: *See—*
  - Sandridge, Robert L.; and Hunt, Robert N., 4,795,253, Cl. 356-51.000.
- Hunt, Robin L., to PPG Industries, Inc. Organopolysiloxane containing coating compositions. 4,795,783, 1-3-89, Cl. 525-101.000.
- Hunt, Roger B., Jr.: *See—*
  - Peters, Thomas E.; and Hunt, Roger B., Jr., 4,803,400, Cl. 313-489.000.
  - Peters, Thomas E.; and Hunt, Roger B., Jr., 4,806,389, Cl. 427-67.000.
- Hunt, Rowland D. Openable enclosures and structures incorporating such enclosures. 4,838,294, 6-13-89, Cl. 135-102.000.
- Hunt, Rowland D.; and Gardner, Kenneth, to Clamshell Partners Ltd. Frame structure for buildings. 4,885,877, 12-12-89, Cl. 52-2.000.

- Hunt, Rowland D.: *See—*
  - Gardner, Kenneth; and Hunt, Rowland D., 4,879,848, Cl. 52-8.000.
- Hunt, Rowland G., to STC PLC. Method of making bipolar integrated circuits. 4,873,199, 10-10-89, Cl. 437-31.000.
- Hunt, Russell G.: *See—*
  - Parsons, John H.; Hunt, Russell G.; Leach, Susan E.; Buss, Anthony D.; Green, David E.; Mellor, Michael; and Percival, Albert, 4,853,400, Cl. 514-383.000.
- Hunt, Thomas J.; Miller, James G.; Thomas, Lewis J., III; Melton, Hewlett E., Jr.; and Shoup, Thomas A., to Hewlett-Packard Company. Techniques for calculating ultrasonic integrated backscatter using frequency or time domain techniques. 4,873,984, 10-17-89, Cl. 128-660.070.
- Hunt, Timothy J.; and Craske, Hadyn L., to Lucas Industries Public Limited Company. Brake actuator. 4,887,698, 12-19-89, Cl. 188-325.000.
- Hunt, Toby C.: *See—*
  - Andrews, Anthony J.; Hunt, Toby C.; and Newsham, John, 4,836,327, Cl. 181-152.000.
  - Andrews, Anthony J.; and Hunt, Toby C., 4,882,562, Cl. 340-388.000.
- Hunt Valve Company: *See—*
  - Zepernick, Dean E.; Olson, Donald R.; and Scott, Robert D., 4,889,153, Cl. 137-269.000.
- Hunt, Warren H., Jr.: *See—*
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  - Hyland, M. Elise; and Hunt, Warren H., Jr., 4,840,852, Cl. 428-654.000.
- Hunter, A. Bruce. Method for waste paper pulping. 4,848,674, 7-18-89, Cl. 241-16.000.
- Hunter, Andrew F., to Conoco Inc. Method of installing a template on the seafloor. 4,797,035, 1-10-89, Cl. 405-205.000.
- Hunter, Andrew F.; and Zimmer, Robert A., to Conoco Inc. Mooring apparatus and method of installation for deep water tension leg platform. 4,844,659, 7-4-89, Cl. 405-224.000.
- Hunter, Andrew F.; and Bozeman, James D., to Conoco Inc. Mooring apparatus and method of installation for deep water tension leg platform. 4,848,970, 7-18-89, Cl. 405-224.000.
- Hunter, Arthur C.; and Ferrio, Linda J., to Texas Instruments Incorporated. Calculator keyboard with user definable function keys and with programmably alterable interactive labels for certain function keys. 4,823,311, 4-18-89, Cl. 364-900.000.
- Hunter Automated Machinery Corporation: *See—*
  - Hunter, William A., 4,840,218, Cl. 164-169.000.
  - Hunter, William A., 4,848,440, Cl. 164-253.000.
- Hunter, Bradley L., to Automatix Incorporated. Symmetry calibration method for multi-configuration robots. 4,841,762, 6-27-89, Cl. 73-1.00R.
- Hunter, Charles E.; and Cikanek, Harry A., to Ford Motor Company. In-cylinder control of particulates and nitric oxide for diesel engine. 4,883,032, 11-28-89, Cl. 123-276.000.
- Hunter, Charles E.: *See—*
  - Davis, Robert F.; Carter, Calvin H., Jr.; and Hunter, Charles E., 4,866,005, Cl. 437-100.000.
- Hunter, Charles L.: *See—*
  - Leber, Leland C.; and Hunter, Charles L., 4,859,220, Cl. 55-350.000.
- Hunter, Clifford P., to Shell Oil Company. Plant generation method. 4,840,906, 6-20-89, Cl. 435-240.490.
- Hunter Company Inc., The: *See—*
  - Holtzclaw, James O., Jr.; and Novotny, Marvin A., 4,858,800, Cl. 224-243.000.
- Hunter, Dan A.; Opperman, Lawrence F.; and Gooras, George. Early end of tape sensing for a cache buffered tape drive. 4,811,132, 3-7-89, Cl. 360-74.300.
- Hunter, Donald W. Valve device for P.S.A. or R.P.S.A. systems. 4,877,429, 10-31-89, Cl. 55-162.000.
- Hunter Douglas Inc.: *See—*
  - Anderson, Richard N., 4,802,522, Cl. 160-168.100.
  - Anderson, Richard N., 4,836,345, Cl. 192-20.000.
  - Anderson, Richard N., 4,872,499, Cl. 160-168.100.
  - Carden, L. Eugene; and Anderson, Richard N., 4,864,712, Cl. 29-469.500.
  - Colson, Wendell; and Swiszcz, Paul, 4,849,039, Cl. 156-197.000.
  - Colson, Wendell, 4,862,941, Cl. 160-84.100.
  - Fraser, Donald E., 4,813,468, Cl. 160-84.100.
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- Hunter Douglas International N.V.: *See—*
  - Hennequin, Petrus J.; and Oskam, Herman, 4,807,683, Cl. 160-172.000.
  - Hennequin, Petrus J.; and Oskam, Herman, 4,865,108, Cl. 160-172.000.
  - Oskam, Herman, 4,802,644, Cl. 248-251.000.
  - Rijnders, Willem, 4,884,383, Cl. 52-489.000.
  - Schimmel, Petrus J. C.; and Spikker, Gerhardus J., 4,835,848, Cl. 29-24.500.
- Hunter, Douglas L.: *See—*
  - Nicholn, Jerram B.; Herrington, Ronald M.; Hunter, Douglas L.; Serratelli, John F.; and Carey, David G., 4,863,976, Cl. 521-137.000.
  - Saavedra, Jose V.; Hunter, Douglas L.; Sims, Steve A.; Maschmeyer, Donald M.; and Knobel, Thomas M., 4,861,805, Cl. 521-105.000.
- Hunter, Edwin J. Two-stage pop-up sprinkler. 4,796,809, 1-10-89, Cl. 239-205.000.
- Hunter, Edwin J. Stream propelled rotary stream sprinkler unit with damping means. 4,815,662, 3-28-89, Cl. 239-222.170.
- Hunter, Edwin J. Pop-up sprinkler unit. 4,834,289, 5-30-89, Cl. 239-205.000.
- Hunter, Edwin J. Sprinkler unit with stream deflector. 4,836,449, 6-6-89, Cl. 239-232.000.
- Hunter, Edwin J. Sprinkler unit with alternating stream interruptor. 4,836,450, 6-6-89, Cl. 239-232.000.
- Hunter, Edwin J. Rotary stream sprinkler unit. 4,842,201, 6-27-89, Cl. 239-396.000.
- Hunter, Edwin J. Rotary stream sprinkler unit. 4,867,379, 9-19-89, Cl. 239-240.000.
- Hunter Engineering Company: *See—*
  - Carter, Edward V., 4,804,068, Cl. 187-8.720.
  - Colarelli, Nicholas J., III, 4,879,670, Cl. 364-559.000.
  - Stieff, Michael T., 4,854,702, Cl. 356-155.000.
- Hunter Engineering Company, Inc.: *See—*
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- Hunter, Everett E. Combination child vehicle seat and stroller. 4,822,064, 4-18-89, Cl. 280-30.000.
- Hunter, Harry L.: *See—*
  - Gamble, Donald E.; Hunter, Harry L.; and McKinney, Gordon R., 4,840,952, Cl. 514-253.000.
- Hunter Industries: *See—*
  - Fleming, Marc A.; and Porter, LaMonte D., 4,823,929, Cl. 198-345.000.
- Hunter, James L. Method and apparatus for auxiliary use of nailing gun. 4,830,253, 5-16-89, Cl. 227-8.000.
- Hunter, James O.: *See—*
  - Austin, Frederick D.; Barclay, John L.; and Hunter, James O., 4,840,723, Cl. 208-106.000.
- Hunter, James R.; and Chun, Victor, to Warner & Swasey Company. Stacker-sorter arrangement for sheet part pieces. 4,865,310, 9-12-89, Cl. 271-296.000.
- Hunter, James W.; and Schneider, Richard N., to Hunter, James W. Apparatus and method for cleaning shards for recycling. 4,844,106, 7-4-89, Cl. 134-73.000.
- Hunter, John E.; and Eck, Jack R., to Procter & Gamble Company, The. Reduced calorie peanut butter. 4,863,753, 9-5-89, Cl. 426-633.000.
- Hunter, Kenneth W., to Westinghouse Electric Corp. Antibody-based bioassay for enzyme-inducing chemicals. 4,865,972, 9-12-89, Cl. 435-7.000.
- Hunter, Kevin D.; Durst, Robert T., Jr.; and Pastor, Jose, to Pitney Bowes, Inc. Secure postage dispensing system. 4,873,645, 10-10-89, Cl. 364-479.000.
- Hunter, Kevin D.: *See—*
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  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; Pintsov, Leon A.; Hart, William G.; and Silverberg, Morton, 4,800,505, Cl. 364-478.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,800,506, Cl. 364-478.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,862,386, Cl. 364-518.000.
  - Baer, Patricia B.; Hunter, Kevin D.; Hart, William G.; Axelrod, Barry H.; and Sansone, Ronald P., 4,821,195, Cl. 364-464.020.
  - Bator, Feliks; Hunter, Kevin D.; and Durst, Robert T., Jr., 4,802,541, Cl. 177-212.000.
  - Durst, Robert T., Jr.; Fougere, Guy L.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,853,869, Cl. 364-478.000.
- Hunter, L. Wayne. Low torque ripple stepping motor controller circuit. 4,890,048, 12-26-89, Cl. 318-696.000.
- Hunter, Lawrence W.: *See—*
  - Corrigan, Colleen M.; Hunter, Lawrence W.; and Modry, John A., 4,860,203, Cl. 364-300.000.
- Hunter, Lemna J. Adjustable head support attachment for therapy table. 4,881,728, 11-21-89, Cl. 269-328.000.
- Hunter Manufacturing Company: *See—*
  - Gruber, Thomas J.; Putnat, Dale G.; and Zajaczkowski, Ernest J., 4,850,853, Cl. 431-90.000.
- Hunter-Melnor, Inc.: *See—*
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  - Mehta, Vinay, 4,881,686, Cl. 236-46.00R.
- Hunter, Murray, to Jackel International Pty. Ltd. Drinking cup with teat attachment. 4,801,027, 1-31-89, Cl. 215-11.100.
- Hunter, Patrick L., to Computer Products Inc. Power supply system having improved input power factor. 4,831,508, 5-16-89, Cl. 363-44.000.
- Hunter, Richard C. Goal apparatus. 4,809,988, 3-7-89, Cl. 273-400.000.
- Hunter, Robert L.; and Duncan, Alexander. Fibrinolytic composition. 4,801,452, 1-31-89, Cl. 424-94.630.
- Hunter, Robert L.; and Duncan, Alexander, to Emory University. An improved method of treating sickle cell anemia. 4,837,014, 6-6-89, Cl. 424-78.000.
- Hunter, Robert L.; and Duncan, Alexander, to Emory University. Fibrinolytic composition. 4,873,083, 10-10-89, Cl. 424-83.000.
- Hunter, Robert L., to Emory University. Method for treating burns. 4,879,109, 11-7-89, Cl. 424-83.000.
- Hunter, Robert M. Apparatus and technique for metering liquid flow. 4,799,388, 1-24-89, Cl. 73-861.630.
- Hunter, Rodney G.: *See—*
  - Ward, Robert W.; Hunter, Rodney G.; and Boys, William E., 4,823,032, Cl. 310-43.000.

- Hunter, Stephen B., to Firestone Tire & Rubber Company, The. Restriction insert for an extrusion die. 4,826,422, 5-2-89, Cl. 425-461.000.
- Hunter, Stephen B., to Firestone Tire & Rubber Company, The. Mold gate having multiple valve stem receiving apertures. 4,854,840, 8-8-89, Cl. 425-32.000.
- Hunter, Steven L.: *See—*
  - Friedman, Ernest H.; Sanders, Gary G.; and Hunter, Steven L., 4,802,484, Cl. 128-630.000.
- Hunter, Thomas: *See—*
  - De Bruycker, Erwin; Hunter, Thomas; Pinyan, Jim; and Scalco, Emanuele, 4,846,721, Cl. 439-411.000.
- Hunter, Thomas A.: *See—*
  - Covington, Anne E.; Hunter, Thomas A.; and Dawes, Keith, 4,889,717, Cl. 428-304.400.
- Hunter, William A., to Hunter Automated Machinery Corporation. Automatic matchplate molding system. 4,840,218, 6-20-89, Cl. 164-169.000.
- Hunter, William A., to Hunter Automated Machinery Corporation. Mold core setter with improved vacuum system. 4,848,440, 7-18-89, Cl. 164-253.000.
- Hunter, William H., to Lilly Industries Limited. Substituted hexahydro-4H-indolo[6,5,4-cd]indoles. 4,841,056, 6-20-89, Cl. 546-68.000.
- Hunter's Specialties, Inc.: *See—*
  - Forbes, David R.; and Forbes, Carman S., 4,802,626, Cl. 239-36.000.
- Hunting Oilfield Services Limited: *See—*
  - Spiering, Michael W.; and Cunningham, Michael T., 4,886,300, Cl. 285-26.000.
- Hunting, William E. Apparatus for making tapered plastic shingles. 4,850,844, 7-25-89, Cl. 425-289.000.
- Huntington, Clyde, to Lakeside Equipment. Sequencing channel waste water reactor. 4,798,673, 1-17-89, Cl. 210-629.000.
- Huntington, David H.: *See—*
  - Dickenson, Haydn G. W.; and Huntington, David H., 4,876,023, Cl. 252-90.000.
- Huntington, Gregory B.: *See—*
  - Evans, Mark D.; Huntington, Gregory B.; Stewart, Robert L.; Wolf, Peter H.; and Zimmerer, Roger E., 4,808,086, Cl. 427-242.000.
- Huntington Mechanical Laboratories, Inc.: *See—*
  - Balter, Valentin, 4,797,053, Cl. 414-749.000.
  - Balter, Valentin; and Hooper, Gerald H., 4,885,947, Cl. 74-18.100.
  - Balter, Valetin, 4,885,946, Cl. 74-18.100.
  - Laafri, James A., 4,795,134, Cl. 251-335.300.
- Huntley, James B. Portable cordless phone holder. 4,802,211, 1-31-89, Cl. 379-454.000.
- Huntley, Scott P.: *See—*
  - Fong, Conrad T. O.; Grabenkort, Richard W.; and Huntley, Scott P., 4,863,016, Cl. 206-210.000.
- Huntley, William P., to United States of America, Navy. Automatic thresholding multichannel digital radar early warning system. 4,860,013, 8-22-89, Cl. 342-20.000.
- Huntly, Robert B. Motorcycle front suspension and steering system. 4,807,898, 2-28-89, Cl. 280-276.000.
- Huntoon, Andrew E.; and Roessler, Thomas H., to Kimberly-Clark Corporation. Fluid activated mechanical absorbency gauge. 4,834,733, 5-30-89, Cl. 604-361.000.
- Huntoon, Andrew E.; Roessler, Thomas H.; and Enloe, Kenneth M., to Kimberly-Clark Corporation. Form-fitting self-adjusting disposable garment with elasticized absorbent structure. 4,850,990, 7-25-89, Cl. 604-385.200.
- Huntsman, James R., to Minnesota Mining and Manufacturing Company. Method of describing a color in a triaxial planar vector color space. 4,884,130, 11-28-89, Cl. 358-80.000.
- Huntsman, Lee L.; Leard, Richard S.; Tarbox, Gary L.; Barnes, Stephen R.; and McLaren, Barry D., to Lawrence Medical Systems, Inc. Methods and apparatus for monitoring cardiac output. 4,796,634, 1-10-89, Cl. 128-662.010.
- Huntt, Robert L., to Alpha Industries, Inc. Apparatus and process for firing ceramics. 4,833,302, 5-23-89, Cl. 219-388.000.
- Hunziker, Max, to Ciba-Geigy Corporation. Polyarylene disulfide. 4,882,415, 11-21-89, Cl. 528-374.000.
- Hunziker, Werner. Installation for the surface treatment of workpieces. 4,844,232, 7-4-89, Cl. 198-373.000.
- Huot, Robert D.: *See—*
  - Foote, James C., Jr.; Castrignano, Frank; and Huot, Robert D., 4,821,066, Cl. 355-14.00R.
- Hupa, Waldemar A.: *See—*
  - Dorward, Donald; and Hupa, Waldemar A., 4,823,110, Cl. 340-388.000.
- Hupe, Donald; Argenbright, Lawrence; Behrens, Nancy; and Azzolina, Barbara A., to Merck & Co., Inc. 5-amino or substituted amino 1,2,3,-triazoles useful as antiproliferative agents. 4,847,257, 7-11-89, Cl. 514-269.000.
- Hupfer, Bernd, to Hoechst Aktiengesellschaft. Polyamic acids, polyimides prepared from these and process for producing high-temperature resistant layers. 4,871,833, 10-3-89, Cl. 528-353.000.
- Hupfer, Leopold: *See—*
  - Graf, Fritz; Engelbach, Heinz; Hupfer, Leopold; Schultheiss, Harald; and Sprague, Michael J., 4,814,513, Cl. 568-471.000.
  - Graf, Fritz; Hupfer, Leopold; and Schultheiss, Harald, 4,851,584, Cl. 568-471.000.
  - Hoelderich, Wolfgang; Goetz, Norbert; and Hupfer, Leopold, 4,812,593, Cl. 560-183.000.
  - Hoelderich, Wolfgang; Hupfer, Leopold; and Schneider, Kurt, 4,866,210, Cl. 568-392.000.
  - Hoelderich, Wolfgang; Hupfer, Leopold; and Schneider, Kurt, 4,874,899, Cl. 568-386.000.
  - Hoelderich, Wolfgang; Schneider, Kurt; and Hupfer, Leopold, 4,885,395, Cl. 568-314.000.
  - Spiegler, Wolfgang; Hoelderich, Wolfgang; Goetz, Norbert; Hupfer, Leopold; and Wild, Jochen, 4,824,973, Cl. 549-425.000.
- Hupp, Gerhard; and Mader, Helmut, to Mauser-Werke Oberndorf GmbH. Breech lock mechanism for automatic firearms. 4,815,356, 3-28-89, Cl. 89-190.000.
- Hupp, John M.: *See—*
  - Bartek, Joseph P.; Brazdil, James F., Jr.; Hupp, John M.; and Grasselli, Robert K., 4,886,931, Cl. 585-500.000.
- Hupp, Stephen S., to Ashland Oil, Inc. Method for evaluating smooth surfaces. 4,853,777, 8-1-89, Cl. 358-107.000.
- Huppe, Friedrich: *See—*
  - Gierse, Franz J.; Pabst, Manfred; Hermanns, Heinz; Ippers, Karl; Krenn, Stephan; Huppe, Friedrich; Opgenoorth, Carl H.; and Wolters, Conrad, 4,858,843, Cl. 242-65.000.
- Huppe GmbH: *See—*
  - Kalischewski, Rolf; Petersen, Gerd; and Schussler, Karl, 4,833,840, Cl. 52-64.000.
  - Schussler, Karl, 4,841,689, Cl. 52-64.000.
- Hurd, B. George; Jones, Lloyd G.; and Strange, Lloyd K., to Mobil Oil Corporation. Oil recovery process utilizing gravitational forces. 4,854,385, 8-8-89, Cl. 166-273.000.
- Hurd, Bruce E.: *See—*
  - Eisner, Lawrence F.; and Hurd, Bruce E., 4,858,907, Cl. 271-124.000.
- Hurd, Frederick E.: *See—*
  - Brown, Thomas R.; Hurd, Frederick E.; and Moyer, Daniel A., 4,815,256, Cl. 53-468.000.
- Hurd Lock and Manufacturing Co., Inc.: *See—*
  - Fancher, Ricky L., 4,884,423, Cl. 70-248.000.
- Hurd, Marvin G. Groove cutter for concrete bores. 4,874,046, 10-17-89, Cl. 175-292.000.
- Hurd, Ramon L. Installation system for securing workpieces of composite materials and the like and threaded fastener for such system. 4,850,771, 7-25-89, Cl. 411-43.000.
- Hurd, Roger: *See—*
  - Hall, John M.; Hurd, Roger; and Wright, Geoffrey H. E., 4,841,724, Cl. 60-245.000.
- Hurd, Stanley M.; and Kouri, Richard E., to Bios Corporation. Method and apparatus for molding thin gel slabs horizontally with integrally molded large volume sample wells. 4,795,541, 1-3-89, Cl. 204-299.00R.
- Hurd, Stanley M.; and Kouri, Richard E., to Bios Corporation. Method of handling and transporting a transfer membrane used in a blotting apparatus. 4,812,216, 3-14-89, Cl. 204-182.800.
- Hurd, Stanley M.; and Kouri, Richard E., to Bios Corporation. Method and apparatus for blotting from electrophoresis gels. 4,818,360, 4-4-89, Cl. 204-299.00R.
- Hurd, William J.: *See—*
  - Darsey, Ralph J.; and Hurd, William J., 4,865,411, Cl. 350-96.210.
- Hurdle, Ennis J., Jr. Vertical edger. 4,870,881, 10-3-89, Cl. 83-102.100.
- Hurford, Andrew C.: *See—*
  - Cutler, Raymond A.; Virkar, Anil V.; and Hurford, Andrew C., 4,829,027, Cl. 501-89.000.
- Hurford, Hadley M., Jr., to Mogul Corporation, The. Adapter assembly for storage containers. 4,832,237, 5-23-89, Cl. 222-464.000.
- Hurford, Hadley M., Jr.: *See—*
  - Lynch, John T.; and Hurford, Hadley M., Jr., 4,830,757, Cl. 210-742.000.
- Hurier, Francis: *See—*
  - Marotel, Yves; Hurier, Francis; Mansot, Jean-Louis; and Martin, Jean-Michel, 4,824,585, Cl. 252-39.000.
- Hurka, Wilhelm; and Hatschek, Rudolf A. Inhaler. 4,841,964, 6-27-89, Cl. 128-203.150.
- Hurko, Bohdan, to EverHot Corporation. Tankless electric water heater with instantaneous hot water output. 4,808,793, 2-28-89, Cl. 219-306.000.
- Hurlburt, Joseph C.; and Torland, Peter J., to Ford New Holland, Inc. Header for harvesting machine. 4,800,711, 1-31-89, Cl. 56-219.000.
- Hurlbut, Charles R., to Bicron Corporation. High-temperature well logging instrument with plastic scintillation element. 4,833,320, 5-23-89, Cl. 250-256.000.
- Hurlemann, Ernst; and Hafeli, Hans, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Gas removal apparatus for an automatic firing weapon controlled by the gas pressure. 4,798,124, 1-17-89, Cl. 89-193.000.
- Hurlemann, Ernst; Muller, Kurt; and Ruppen, Bruno, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Apparatus for the infeed of ammunition from an ammunition container to an automatic firing weapon. 4,840,108, 6-20-89, Cl. 89-33.140.
- Hurlemann, Ernst, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Apparatus for cooling the barrel inner wall of a weapon barrel of a firing weapon. 4,884,490, 12-5-89, Cl. 89-14.100.
- Hurless, Frank: *See—*
  - LePage, Bernard E.; and Hurless, Frank, 4,862,655, Cl. 52-136.000.
- Hurley Chicago Co., Inc.: *See—*
  - Losos, Gus, 4,804,467, Cl. 210-232.000.
- Hurley, Irvin H., Jr., to Tilcon Tomasso. Front dispensing truck with vertically and horizontally swingable screw conveyor. 4,874,283, 10-17-89, Cl. 414-504.000.
- Hurley, James E.; and Stettler, Robert H., to Raytheon Company. Gas wall oven. 4,796,600, 1-10-89, Cl. 126-273.00H.

- Hurley, John J.: *See—*
  - Bendixen, Arne B.; Bowen, William A.; Evans, Michael W.; Hurley, John J.; and Leslie, Samuel A., 4,890,315, Cl. 379-59.000.
- Hurley, Joseph D., to Westinghouse Electric Corp. Automatic field winding ground detector and locator. 4,864,242, 9-5-89, Cl. 324-510.000.
- Hurley, Ken: *See—*
  - Theodoulou, Sotos M.; Thomson, Christopher W.; Vannerson, Eric; Baker, Wm. Keith; Sun, Alvin C. P.; and Hurley, Ken, 4,839,671, Cl. 346-159.000.
- Hurley, Michael D.; Kaiser, William J.; and Logothetis, Eleftherios M., to Ford Motor Company. Method of sensing methane gas-I. 4,870,025, 9-26-89, Cl. 436-141.000.
- Hurley, Michael F.: *See—*
  - Harasin, Stephen J.; Hurley, Michael F.; Kelly, Timothy J.; Naleppa, Kenneth J.; Nodelman, Neil H.; Schumacher, Donald W.; Slocum, Gregory H.; and Sounik, David F., 4,868,224, Cl. 521-124.000.
- Hurley, Richard D. Shipping protector. 4,838,427, 6-13-89, Cl. 206-586.000.
- Hurlimann, Daniel E.: *See—*
  - Freeman, William A.; Hurlimann, Daniel E.; Miller, Ernest L.; and Solie, Darryl W., 4,829,462, Cl. 364-715.110.
- Hurnaus, Rudolf: *See—*
  - Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.
  - Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.
  - Reiffen, Manfred; Hurnaus, Rudolf; Sauter, Robert; Grell, Wolfgang; and Rupprecht, Eckhard, 4,886,814, Cl. 514-326.000.
- Hurni, William M.; Miller, William J.; and McAleer, William J., to Merck & Co., Inc. Assay for hepatitis a virus. 4,861,706, 8-29-89, Cl. 435-5.000.
- Huron Products Corporation: *See—*
  - Ketcham, Mark G.; and Walker, Donald C., 4,869,534, Cl. 285-24.000.
- Huron/St. Clair Co., a Division of Masco Industries, Inc.: *See—*
  - Stapleton, Craig, 4,842,176, Cl. 224-326.000.
- Huron Valley Steel Corporation: *See—*
  - Osterberg, Richard R.; and Wolanski, Richard B., 4,834,870, Cl. 209-38.000.
  - Wolanski, Richard B.; and Osterberg, Richard R., 4,869,811, Cl. 209-212.000.
- Hurrell, John G. R.: *See—*
  - Fuller, Steven A.; and Hurrell, John G. R., 4,842,999, Cl. 435-7.000.
- Hurrell, Ronald A., to Perkin-Elmer Corporation, The. Ionization detectors for gas chromatography. 4,837,441, 6-6-89, Cl. 250-382.000.
- Hursey, Francis X.; and Dechene, Fernand J. Method of treating wounds. 4,822,349, 4-18-89, Cl. 604-367.000.
- Hursh, David F.; and Johnston, James B., to Foster-Boyd, Inc. Anti-friction two-ply athletic sock. 4,843,844, 7-4-89, Cl. 66-196.000.
- Hurst, Aubrey B.: *See—*
  - Hoy, Martin L.; and Hurst, Aubrey B., 4,883,451, Cl. 493-396.000.
- Hurst, Boyd E.: *See—*
  - Cahn, Robert P.; and Hurst, Boyd E., 4,853,193, Cl. 423-235.000.
- Hurst, Charles: *See—*
  - Gale, John C.; Lang, Howard J.; and Hurst, Charles, 4,832,069, Cl. 137-15.000.
- Hurst, Derek P., to Thorn EMI plc. High pressure sodium discharge lamps with hydrogen getter. 4,806,828, 2-21-89, Cl. 313-558.000.
- Hurst, Derek P., to Thorn EMI plc. Hydrogen getter and method of manufacture. 4,827,188, 5-2-89, Cl. 313-559.000.
- Hurst, Edward D.: *See—*
  - Pick, James M.; Swanson, Wesley S.; and Hurst, Edward D., 4,844,112, Cl. 137-15.000.
- Hurst, Hubert L. Easy loading herbage trimmer. 4,794,695, 1-3-89, Cl. 30-276.000.
- Hurst, Ian R.: *See—*
  - Luchaco, David G.; Yuhasz, Stephen J., Hurst, Ian R.; and Spira, Joel S., 4,833,339, Cl. 307-115.000.
- Hurst, Joseph S. Tooth brush case. 4,884,688, 12-5-89, Cl. 206-362.200.
- Hurst, Kerney J. Article counting device. 4,869,394, 9-26-89, Cl. 221-7.000.
- Hurst, Michael H.: *See—*
  - Ball, Graham J.; Hart, William B.; and Hurst, Michael H., 4,815,632, Cl. 222-23.000.
- Hurst, Paul: *See—*
  - Hedberg, Dave; Hurst, Paul; and Levy, Steve, 4,847,868, Cl. 375-75.000.
- Hurst, Ralph: *See—*
  - Curwen, Peter W.; and Hurst, Ralph, 4,814,650, Cl. 310-22.000.
  - Curwen, Peter W.; and Hurst, Ralph, 4,836,757, Cl. 417-416.000.
- Hurst, Richard F. High speed envelope feeding apparatus. 4,846,455, 7-11-89, Cl. 271-2.000.
- Hurst, Richard F. Picker-stripper-feeder for envelope feeding apparatus. 4,884,793, 12-5-89, Cl. 271-2.000.
- Hurst, Robert N., Jr., to General Electric Company. Advanced compatible television system with auxiliary carrier. 4,866,521, 9-12-89, Cl. 358-141.000.
- Hurst, Robert N., Jr.: *See—*
  - Isnardi, Michael A.; and Hurst, Robert N., Jr., 4,884,127, Cl. 358-12.000.
- Hurst, Roger S.; and Gilfeather, Glen, to Advanced Micro Devices, Inc. Electrostatic discharge protection circuitry for any two external pins of an I.C. package. 4,870,530, 9-26-89, Cl. 361-91.000.
- Hurst, Ronald C.: *See—*
  - List, Steven J.; and Hurst, Ronald C., 4,879,104, Cl. 423-450.000.
- Hurst, William D. Method for sanitizing poultry carcasses in a poultry processing plant utilizing ozonated water. 4,849,237, 7-18-89, Cl. 426-332.000.
- Hursthouse, Michael: *See—*
  - Heggie, William; Page, Philip R.; Villax, Ivan; Ghatak, Indira; and Hursthouse, Michael, 4,857,235, Cl. 260-351.500.
  - Heggie, William; Page, Philip R.; Villax, Ivan; Hursthouse, Michael; and Somerville, Richard, 4,863,639, Cl. 260-351.500.
- Hurt, William A.: *See—*
  - Hwang, Juin-Jet; Hurt, William A.; and Daigle, Ronald E., 4,887,306, Cl. 382-54.000.
- Hurtado, Antonio: *See—*
  - Gerretz, Josef; and Hurtado, Antonio, 4,858,458, Cl. 72-214.000.
- Hurtel, Patrice; Hazan, Charles; de Champs, Francois; and Paul, Jean-Michel, to Norsolor. Process for the manufacture of dialkylaminoalkyl (meth)acrylates. 4,851,568, 7-25-89, Cl. 560-222.000.
- Hurtel, Patrice; Laurent, Denis, and Rondini, Joseph, to Norsolor. Process for the synthesis of (math)acrylic anhydrides. 4,857,239, 8-15-89, Cl. 562-896.000.
- Hurtel, Patrice, to Societe Chimique des Charbonnages S.A. Process for the production of fluoroalkyl acrylates. 4,859,793, 8-22-89, Cl. 560-223.000.
- Hurtel, Patrice; and Laurent, Denis, to Norsolor. Reacting a (meth)acrylic anhydride with a diamine to form a n-dialkylaminoalkyl(meth-)acrylamide. 4,859,796, 8-22-89, Cl. 564-204.000.
- Hurter, Rudolf, to Ciba-Geigy Corporation. Monoazo dyes containing a 4′-methyl-3′-sulfo-5-acylamino-2-azo-1,1′-diphenylsulfone component. 4,843,151, 6-27-89, Cl. 534-643.000.
- Hurter, Rudolf, to Ciba-Geigy Corporation. 3-methyl-1-phenyl-5-pyrozolone-4-azo-1′-(3′-chloro-S-triazinylamine)-benzene-6′-sulfonic acid compounds. 4,866,164, 9-12-89, Cl. 534-636.000.
- Hurtgen, Jerome P., to General Electric Company. Apparatus for connecting multiple windings. 4,880,391, 11-14-89, Cl. 439-221.000.
- Hurtienne, Daniel G.: *See—*
  - Kelley, William J.; and Hurtienne, Daniel G., 4,854,913, Cl. 446-397.000.
- Hurutachi, Hideaki; Takizawa, Takashi; and Tanaka, Tsutomu, to Sanyo Electric Co., Ltd. Low-temperature showcase. 4,813,241, 3-21-89, Cl. 62-209.000.
- Hurwitt, Steven D., to Materials Research Corporation. Cathode and target design for a sputter coating apparatus. 4,855,033, 8-8-89, Cl. 204-298.000.
- Hurwitt, Steven D.: *See—*
  - Wagner, Israel; and Hurwitt, Steven D., 4,871,433, Cl. 204-192.120.
- Hurwitz, Marvin J.: *See—*
  - Clemens, David H.; Hurwitz, Marvin J.; and Walker, Robert W., 4,886,606, Cl. 210-684.000.
- Husain, Abbas, to Ennovation Corporation. Triangular-shaped ornamental nail clipper with side flap. 4,860,448, 8-29-89, Cl. 30-28.000.
- Husain, Altaf; and Sandler, Stanley R., to Pennwalt Corporation. Process for the conversion of t-alkylphenol waste distillation bottoms to para-t-alkylphenol. 4,812,596, 3-14-89, Cl. 568-788.000.
- Husbands, Charles R., to Mitre Corporation, The. Low cost fiber optic network node. 4,805,234, 2-14-89, Cl. 455-607.000.
- Husbands, G. E. M.; and Stack, Gary P., to American Home Products Corporation. Substituted 1-(aralkyl-piperazinoalkyl) cycloalkanols. 4,826,844, 5-2-89, Cl. 514-252.000.
- Husby, Harald, to Breed Automotive Technology, Inc. Charging system for a steering wheel mounted air bag system. 4,887,843, 12-19-89, Cl. 280-735.000.
- Huschelrath, Gerhard, to Nukem GmbH. Method and device for testing for flaws with the eddy-current principle. 4,821,204, 4-11-89, Cl. 364-481.000.
- Huschka, Hans; and Hoffman, Winfried, to Nukem GmbH. Encapsulation of a photovoltaic element. 4,869,755, 9-26-89, Cl. 136-259.000.
- Huse, Rodger L., to Kern, Donald W. Isolation system for a spa. 4,829,607, 5-16-89, Cl. 4-542.000.
- Huse, Syoji: *See—*
  - Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,875,231, Cl. 379-61.000.
  - Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.
- Huse, Syozi: *See—*
  - Yoshizawa, Kazuhiro; Yotsutani, Akio; Saegusa, Noboru; Ito, Koichi; Huse, Syozi; and Toki, Akio, 4,802,201, Cl. 379-62.000.
- Huseby, Irvin C.; and Bobik, Carl F., to General Electric Company. High thermal conductivity ceramic body. 4,818,455, 4-4-89, Cl. 264-65.000.
- Huseby, William R.; Moon, Kevin L.; Rasmussen, Steve O.; and Jackson, Larry A., to Hewlett-Packard Company. Active paper drop for printers. 4,794,859, 1-3-89, Cl. 101-485.000.
- Huseby, William R.: *See—*
  - Rasmussen, Steve O.; Jackson, Larry A.; Rhodes, John D.; Pinkernell, David W.; Harmon, J. Paul; Moon, Kevin L.; and Huseby, William R., 4,872,026, Cl. 346-140.00R.
- Husebye, Ragnar: *See—*
  - Andersson, Rolf J.; Pajes, Chajkiel; Hoglund, Kjell; Nilsson, Tore; Husebye, Ragnar; Hoyland, Sigbjorn; Lindland, Hans; Mong, Tore; and Nesse, Erling, 4,805,951, Cl. 294-116.000.

Husemeyer, Hans; Mager, Herbert; and Konrad, Eugen, to Wella Aktiengesellschaft. Agent for dyeing hair. 4,840,639, 6-20-89, Cl. 8-410.000.
Huser, Diane L.; and Schaus, John M., to Eli Lilly and Company. 6-oxo-trans-octa- and decahydroquinolines. 4,826,986, 5-2-89, Cl. 546-153.000.
Huser, Josef P. Process and device for measuring the draw-in force at the interface between a tool and the spindle end of a machine tool. 4,856,349, 8-15-89, Cl. 73-862.540.
Hushbeck, Donald F.: *See—*
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Husher, Frederick K.: *See—*
Bustamante, Carlos; Husher, Frederick K.; and Beach, David, 4,881,818, Cl. 356-367.000.
Huska, Paul. Terminal block insert device. 4,832,628, 5-23-89, Cl. 439-716.000.
Husky Corporation: *See—*
Fink, Arthur C., Jr., 4,809,753, Cl. 141-206.000.
Fink, Arthur C., Jr., 4,825,916, Cl. 141-392.000.
Fink, Arthur C., Jr., 4,827,977, Cl. 137-614.040.
Fink, Arthur C., Jr., 4,828,183, Cl. 239-569.000.
Husky Injection Molding Systems, Ltd.: *See—*
Brown, Paul, 4,832,593, Cl. 425-564.000.
Brown, Paul P., 4,814,134, Cl. 264-297.800.
Heathe, William R.; and Pinet, Pierre, 4,848,920, Cl. 366-339.000.
Schad, Robert D.; and Brown, Paul P., 4,808,101, Cl. 425-130.000.
Schad, Robert D.; and Pocock, John, 4,836,767, Cl. 425-552.000.
Schad, Robert D.; and Brown, Paul P., 4,863,369, Cl. 425-547.000.
Schad, Robert D.; and Brown, Paul P., 4,863,665, Cl. 264-255.000.
Schad, Robert D.; and Brown, Paul P., 4,867,938, Cl. 264-297.200.
Husler, Balthasar, to Husler-Liforma Entwicklungs AG. Reclining and lying means, particularly for a bed. 4,827,544, 5-9-89, Cl. 5-236.00B.
Husler-Liforma Entwicklungs AG: *See—*
Husler, Balthasar, 4,827,544, Cl. 5-236.00B.
Husler, Rinaldo: *See—*
Rutsch, Werner; Kirchmayr, Rudolf; Husler, Rinaldo; and Dietliker, Kurt, 4,795,766, Cl. 522-44.000.
Rutsch, Werner; and Husler, Rinaldo, 4,837,350, Cl. 558-52.000.
Husliq, Daniel J.: *See—*
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Husmann, Robert J., to Omni Signal, Inc. Alarm locator module for picket barrier intrusion detection and location system. 4,800,366, 1-24-89, Cl. 340-524.000.
Husmann, Robert J.; and Hamrick, Claude A. S., to Omni Signal, Inc. Sensor device for picket barrier intrusion detection and location system. 4,870,404, 9-26-89, Cl. 340-550.000.
Husni, Mazen R.: *See—*
Collins, Alan J.; and Husni, Mazen R., 4,870,360, Cl. 324-235.000.
Huson, Frederick R., to Houston Area Research Center. Electromagnet and method of forming same. 4,822,772, 4-18-89, Cl. 505-1.000.
Huspen, Fred J., to T & H, Inc. Child's safety restraining vest. 4,848,793, 7-18-89, Cl. 280-801.000.
Husqvarna Aktiebolag: *See—*
Claesson, Tore V., 4,813,218, Cl. 56-306.000.
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Huss, Albin, Jr.; Krishnamurthy, Sowmithri; and McHale, William D., to Mobil Oil Corporation. Process for the dehydrocyclization of acyclic hydrocarbons and catalyst composition therefor. 4,888,105, 12-19-89, Cl. 208-137.000.
Huss, Albin, Jr.: *See—*
Absil, Robert P.; Huss, Albin, Jr.; McHale, William D.; and Partridge, Randall D., 4,839,027, Cl. 208-138.000.
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Huss, Beverly: *See—*
Taylor, Charles S.; Abrams, Robert M.; Messner, Kirsten L.; Huss, Beverly; Mar, Craig E.; Kraus, Jeffrey L.; and Guthrie, Linda T., 4,827,941, Cl. 128-657.000.
Huss, John B., to Sundstrand Corporation. Alternating current generator and method of angularly adjusting the relative positions of rotors thereof. 4,879,484, 11-7-89, Cl. 310-114.000.
Huss, Michael: *See—*
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Huss, Roland: *See—*
Schuster, Hans-Dieter; Noller, Christoph; Wollenraupt, Gottfried; Kreeb, Reiner; and Huss, Roland, 4,877,339, Cl. 384-218.000.
Huss, Ronald E.; and Feldman, Ellis S., to Hughes Aircraft Company. Method for locating a radio frequency emitter. 4,882,590, 11-21-89, Cl. 342-453.000.
Hussain, Anwar A.; Dittert, Lewis W.; and Foster, Thomas S., to University of Kentucky Research Foundation. Novel method of administering aspirin and dosage forms containing same. 4,885,287, 12-5-89, Cl. 514-159.000.
Hussain, Zubair: *See—*
Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.
Hussamy, Samir, to Burlington Industries, Inc. Continuous thermosol dyeing of high-modulus, high-tenacity, low-shrinkage polyamide fabrics with acid dyes. 4,836,828, 6-6-89, Cl. 8-594.000.
Hussar, Nick: *See—*
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Hussein, Mamoun M.: *See—*
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Hussell, Stephen J.: *See—*
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Husser, Jacques: *See—*
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Gupta, Arunava; and Hussey, Brian W., 4,845,354, Cl. 250-205.000.
Hussey, Carl L. Electric transmission conductor support insulators. 4,853,492, 8-1-89, Cl. 174-174.000.
Hussey, Eric S. Optometric lens trial frame. 4,801,200, 1-31-89, Cl. 351-230.000.
Hussey, Hugh F.: *See—*
Au, Andrew T.; and Hussey, Hugh F., 4,830,827, Cl. 422-7.000.
Husslein, Julius; Wittauer, Gunther; Knoll, Helmut; and Dandl, Robert, to Bosch-Siemens Hausgeraete GmbH. Temperature control apparatus for a baking oven. 4,798,938, 1-17-89, Cl. 219-395.000.
Husslein, Julius; Wittauer, Gunther; and Kotsch, Heinz, to Bosch-Siemens Hausgerate GmbH. Heating element for thermal heating devices, especially cooking stations. 4,843,218, 6-27-89, Cl. 219-468.000.
Husslein, Julius; Hess, Helmut; and Beifuss, Wolfgang, to Bosch-Siemens Hausgerate GmbH. Control apparatus for heating, defrosting and/or cooking foods with microwave energy. 4,882,462, 11-21-89, Cl. 219-10.55B.
Hussmann Corporation: *See—*
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Husson, Frank D., Jr. Solar collector system with radiation concentrated on heat absorber vanes. 4,850,338, 7-25-89, Cl. 126-440.000.
Hussong, Dean R. Automatic high velocity evacuator dental suction device. 4,799,885, 1-24-89, Cl. 433-95.000.
Hussy, Gerd: *See—*
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Griesbach, Ray H.; and Hustad, Gerald O., 4,823,961, Cl. 206-632.000.
Husted, Eric F.; and Ladd, Judith A., to GTE Products Corporation. Method for removing sodium and chloride from cobaltic hydroxide. 4,840,775, 6-20-89, Cl. 423-150.000.
Husted, Eric F., to GTE Products Corporation. Method for removing sodium and ammonia from cobalt. 4,840,776, 6-20-89, Cl. 423-150.000.
Husted, Royce: *See—*
Husted, Royce H.; and Shiber, Samuel, 4,810,235, Cl. 474-49.000.
Husted, Royce H.; and Shiber, Samuel, to Shiber, Samuel; and Husted, Royce. Variable transmission with an integral shifter. 4,810,235, 3-7-89, Cl. 474-49.000.
Husted, Royce H. Gear driven rotary wheel retainer. 4,850,151, 7-25-89, Cl. 51-168.000.
Husted, Royce H. Liquid indicator gauge. 4,878,298, 11-7-89, Cl. 33-837.000.
Husted, Royce H. Automatic reciprocator with manifold and sleeve valve. 4,889,034, 12-26-89, Cl. 91-218.000.
Huster, Klaus: *See—*
Tasler, Guenter; Wiendenhoeft, Klaus; Schultheiss, Michael; Schoenfuss, Martin; Ludwig, Theo; Huster, Klaus; and Grenzendoerfer, Dietmar, 4,852,370, Cl. 66-203.000.
Huston, Clifford: *See—*
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Huston, Dick: *See—*
Sander, Wendell; Huston, Dick; Broedner, Walter; and Huston, Clifford, 4,888,680, Cl. 364-200.000.
Huston, Duane A.; and Daugherty, Elon J. Method and apparatus for disposing of asbestos-containing material. 4,865,488, 9-12-89, Cl. 405-129.000.
Huston, James E. Lock mechanism operable from one side of a structure by a physical identifiable combination mechanism. 4,821,540, 4-18-89, Cl. 70-213.000.
Huston, R. Del: *See—*
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Hutchens, Chriswell G.; and Morris, Steven A., to Amoco Corporation. Method for acoustic reverberation removal. 4,796,237, 1-3-89, Cl. 367-35.000.
Hutchens, Wilbur D.; Berry, Robert F.; and Leger, Kurt J., to Fisher Controls International, Inc. Drain through ball valve. 4,846,213, 7-11-89, Cl. 137-241.000.
Hutcheon, Ian C.; and Epton, David J., to Measurement Technology Limited. Electrical safety barriers. 4,860,151, 8-22-89, Cl. 361-91.000.

Hutcheson, J. Stanford; Lutz, Richard W.; Obrist, Paul A.; Flaugher, David J.; and Watts, Charles E., to University of North Carolina at Chapel Hill, The. Portable automated blood pressure monitoring apparatus and method. 4,889,132, 12-26-89, Cl. 128-680.000.
Hutcheson, Jerry D.: *See—*
Hammett, Roy; Hutcheson, Jerry D.; and Avedon, Raymond B., 4,872,595, Cl. 222-209.000.
Hutcheson, William R.: *See—*
Osborne, Tracy L.; and Hutcheson, William R., 4,849,020, Cl. 106-281.100.
Hutchings, Phillip D., to Power-Tech Systems Corporation. Universal battery charging system and a method. 4,843,299, 6-27-89, Cl. 320-31.000.
Hutchings, Richard S., to Drackett Company, The. Compositions containing chlorine dioxide and their preparation. 4,861,514, 8-29-89, Cl. 252-187.210.
Hutchings, Richard S., to Drackett Company, The. Aqueous alkali metal halogenite compositions containing a colorant stabilized by ammonium hydroxide. 4,873,013, 10-10-89, Cl. 252-102.000.
Hutchings, Richard S., to Drackett Company, The. Aqueous alkali metal halogenite compositions containing a colorant. 4,880,556, 11-14-89, Cl. 252-156.000.
Hutchings, Thomas J.; and Pavlath, George A., to Litton Systems, Inc. Fiber optical combiner particularly for a ring laser gyro. 4,818,109, 4-4-89, Cl. 356-350.000.
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Jabr, Salim N.; Hutchings, Thomas J.; and Koumvakalis, Nicholas, 4,837,774, Cl. 372-94.000.
Rahn, John; and Hutchings, Thomas J., 4,884,283, Cl. 372-107.000.
Hutchins, Alma A., to Hutchins Manufacturing Company. Abrading tool. 4,839,995, 6-20-89, Cl. 51-170.0MT.
Hutchins, Burleigh M.; Buote, William J., Roe, John S.; Vollinger, Warren R.; Wagner, Susan M.; and Sullivan, Anne M., to Zymark Corporation. Quickly reconfigurable robotic system. 4,835,711, 5-30-89, Cl. 364-513.000.
Hutchins, Charles L., to Texas Instruments Incorporated. Reconfigurable integrated circuit with enhanced testability of memory cell leakage. 4,800,332, 1-24-89, Cl. 324-73.00R.
Hutchins, Charles L., to Texas Instruments Incorporated. Reconfigurable integrated circuit for enhanced testing in a manufacturing environment. 4,816,757, 3-28-89, Cl. 324-158.00R.
Hutchins, Clyde S.; and Spinelli, Harry J., to Du Pont de Nemours, E. I., and Company. Hybrid acrylic star polymers. 4,847,328, 7-11-89, Cl. 525-107.000.
Hutchins, Clyde S.; and Spinelli, Harry J., to Du Pont de Nemours, E. I., and Company. Hybrid acrylic-condensation star polymers by group transfer polymerization. 4,851,477, 7-25-89, Cl. 525-123.000.
Hutchins, David L.; and Mounce, Lynn E., to Hutchins, David L.; Mounce, Lynn E.; and Martin, John S. Box scraper with plural blades. 4,869,326, 9-26-89, Cl. 172-197.000.
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Hutchins, Gary D.: *See—*
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Hutchins, Roger W. Deep water transient sound generator. 4,875,199, 10-17-89, Cl. 367-175.000.
Hutchins, Walter J.; and Cooper, Randall K., to Stanley Works, The. Fitted tool case. 4,836,374, 6-6-89, Cl. 206-373.000.
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Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F., Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.
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Briet, Gilles, 4,887,666, Cl. 165-76.000.
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Hutchinson, James; Hoffman, Brian; and Pollack, Steven, to Megamation Incoporated. Automatic tool changer 4,875,275, 10-24-89, Cl. 29-568.000.
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Hutchinson, Martin A., to Varian Associates, Inc. Sputter module for modular wafer processing machine. 4,851,101, 7-25-89, Cl. 204-298.000.
Hutchinson, Roy E. Compacting machine. 4,885,899, 12-12-89, Cl. 53-527.000.
Hutchinson, Thomas E., to Center for Innovative Technology. Eye movement detector. 4,836,670, 6-6-89, Cl. 351-210.000.
Hutchison, Alan J., to Ciba-Geigy Corporation. 3-amino-dihydro-[1]-benzopyrans and benzothiopyrans. 4,801,605, 1-31-89, Cl. 514-432.000.
Hutchison, Alan J., to Ciba-Geigy Corporation. Amino substituted thienothiopyran derivatives, composition containing them, and method of using them to stimulate presynaptic dopamine receptors. 4,816,474, 3-28-89, Cl. 514-432.000.
Hutchison, David A., to Amoco Corporation. Chlorine-free silver protective lubricant composition (II). 4,871,465, 10-3-89, Cl. 252-47.000.
Hutchison, Douglas, to Dunmon Corporation. Apparatus for joining wall panels. 4,829,740, 5-16-89, Cl. 52-762.000.
Hutchison, Douglas, to Dunmon Corporation. Apparatus for joining wall panels. 4,833,858, 5-30-89, Cl. 52-762.000.
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Hutchison, Roy. Spring piston air weapon. 4,870,945, 10-3-89, Cl. 124-68.000.
Hutchisson, James T.; and Benoit, Marcell N., to Lodec, Inc. Relative movement sensor. 4,825,069, 4-25-89, Cl. 250-229.000.
Huth, Andreas; Sauer, Gerhard; and Wachtel, Helmut, to Schering Aktiengesellschaft. 2-substituted ergoline urea and thio-urea derivatives having neurolyptic/dopaminergic activity. 4,826,851, 5-2-89, Cl. 514-288.000.
Huth, Andreas; Sauer, Gerhard; and Wachtel, Helmut, to Schering Aktiengesellschaft. 1,2-disubstituted ergolines useful for producing central antidopanminergic or α2-receptor-blocking activity. 4,874,768, 10-17-89, Cl. 514-288.000.
Huth, Andreas: *See—*
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  Pohlmann, Hans-Jurgen; and Strobel, Klaus, 4,812,434, Cl. 502-178.000.
Hutson, Richard C., to Taylor, Clive Neal. O-ring insertion apparatus. 4,845,822, 7-11-89, Cl. 29-235.000.
Hutt, Norman; and Roland, Winfield P., to Raychem Corporation. Heat-recoverable fabric article. 4,816,309, 3-28-89, Cl. 428-34.500.
Hutta, Joseph J., to United States of America, Air Force. Method of making carbon dioxide and chlorine free fluoride-based glass. 4,842,6[illegible]1, 6-27-89, Cl. 65-32.500.
Hutta, Joseph J., to United States of America, Air Force. Method for rapid preparation of halide glasses. 4,872,894, 10-10-89, Cl. 65-3.110.
Hutta, Joseph J., to United States of America, Air Force. Process for making bulk heavy metal fluoride glasses. 4,885,019, 12-5-89, Cl. 65-3.110.
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Huttemann, Wilfried, to Miele & Cie GmbH & Co. Top-loading drum-type washing machine. 4,862,712, 9-5-89, Cl. 68-17.00R.
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Hutter, Charles G., III, to Physical Systems, Inc. Fixture for securing an adhesive attachment to a substrate. 4,822,656, 4-18-89, Cl. 428-40.000.
Hutter, Charles G., III, to Physical Systems, Inc. Adhesive attachment and mounting fixture. 4,842,912, 6-27-89, Cl. 428-65.000.
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Hutter, Louis N.; and Erdeljac, John P., to Texas Instruments Incorporated. High voltage capacitor for integrated circuits. 4,805,071, 2-14-89, Cl. 361-313.000.
Hutter, Louis N., to Texas Instruments Incorporated. Merged bipolar/-CMOS technology using electrically active trench. 4,819,052, 4-4-89, Cl. 357-49.000.
Hutter, Louis N.; and Trogolo, Joe R., to Texas Instruments Incorporated. Method of making vertical PNP transistor in merged bipolar/-CMOS technology. 4,855,244, 8-8-89, Cl. 437-31.000.
Hutter, Odo; Jung, Rainer; Kurz, Werner; Sperr, Gerhardt; and Voss, Jurgen, to Robert Bosch GmbH. Device for storing and conveying in an orientated manner of small articles. 4,844,240, 7-4-89, Cl. 198-391.000.
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Hutto, Walter D., Jr.; and Stockton, William W., to United States of America, Air Force. Back-up control system for F101 engine and its derivatives. 4,794,755, 1-3-89, Cl. 60-39.281.
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Hutton/PRC Technology Partners I: *See—*
  Lemay, Richard A.; and Wallace, David A., 4,809,276, Cl. 371-38.000.
  Lemay, Richard A.; Woods, William E.; and Tague, Steven A., 4,837,738, Cl. 364-900.000.
Hutton/PRC Technology Partners 1: *See—*
  Woods, William E.; and Lemay, Richard A., 4,811,266, Cl. 364-736.500.
Hutton, William B.; and Hutton, Deanice B. Device for attaching a sheet to a mattress. 4,862,541, 9-5-89, Cl. 5-496.000.
Huttunen, Darryl: *See—*
  Marshall, Philip; Marshall, Jeffrey; Ford, Paul; and Huttunen, Darryl, 4,848,160, Cl. 73-663.000.
Hutyra, Freddie F. Moped carrier. 4,815,638, 3-28-89, Cl. 224-42.03B.
Hutzenlaub, John T., to Fort Lock Corporation. Tubular key and corresponding lock housing key entry construction. 4,838,060, 6-13-89, Cl. 70-491.000.
Huusko, Juha: *See—*
  Tenkula, Jaakko; Hellman, Bjarne; and Huusko, Juha, 4,810,850, Cl. 219-146.100.
Huvard, Gary S.: *See—*
  Berens, Alan R.; Huvard, Gary S.; and Korsmeyer, Richard W., 4,820,752, Cl. 523-340.000.
Huvey, Michel, to Institut Francais du Petrole. Flexible tube for carrying heating or refrigerant fluids. 4,811,761, 3-14-89, Cl. 138-122.000.
Huvey, Michel; Do, Anh T.; Gerez, Jean-Michel; and Le Gallou, Lucien, to Institut Francais du Petrole; and Coflexip. Structure formed from a straight strip bent or corrugated and the method of manufacturing same. 4,858,653, 8-22-89, Cl. 138-144.000.
Huwelmann, Helmut: *See—*
  Tetenborg, Konrad; Eschmann, Heinz; and Huwelmann, Helmut, 4,873,815, Cl. 53-570.000.
Huy, Sam: *See—*
  Kurita, Atsushi; Matsumoto, Yasuji; and Huy, Sam, 4,839,452, Cl. 528-15.000.
Huybrechts, Jozef T., to Du Pont de Nemours, E. I., and Company. Method for aqueous dispersion of polyurethane modified polyacrylics. 4,888,383, 12-19-89, Cl. 524-8[illegible]2.000.
Huyck Corporation: *See—*
  Jones, Roy, 4,861,432, Cl. 162-300.000.
  Wood, Thomas A. C., 4,851,281, Cl. 428-282.000.
Huydts, Eduard J. C., to G. Siempelkamp GmbH & Co. Control system for a hydraulically actuated press. 4,825,659, 5-2-89, Cl. 60-413.000.
Huyer, Johannes N., to Vermeulen-Hollandia Octrooien II B.V. Open roof construction for a vehicle. 4,877,285, 10-31-89, Cl. 296-216.000.
Huygens, Eric: *See—*
  Eling, Berend; and Huygens, Eric, 4,868,043, Cl. 428-304.400.
Huyghe, Wilfried, to N.V. Bekaert S.A. Basket made of metal wire mesh; a piece of wire mesh and a mesh strip comprising such wire mesh pieces. 4,826,032, 5-2-89, Cl. 220-19.000.
Huynh-ba, Tuong; and Osman, Maged A., to Merck Patent GmbH. Anisotropic compounds having nematic phase and liquid crystal mixtures. 4,808,333, 2-28-89, Cl. 252-299.660.
Huynh-Dinh, Tam; and Igolen, Jean, to Institut Pasteur; and Centre National de la Recherche Scientifique. Probes comprising modified adenine groups, their preparation and their uses. 4,842,996, 6-27-89, Cl. 435-6.000.
Huynh Dinh, Tam; Gouyette, Catherine; and Igolen, Jean, to Institut Pasteur; and Centre National de la Recherce Scientifique. 2,N^6-disubstituted and 2,N^6-trisubstituted adenosine-3'-phosphoramidites. 4,845,205, 7-4-89, Cl. 536-28.000.
Huynh, Tan D., to Veglia. Electronic interface device between a sensor and a display unit. 4,810,953, 3-7-89, Cl. 324-120.000.
Huynh, Tan Duc: *See—*
  Dubuisson, Georges; and Huynh, Tan Duc, 4,796,210, Cl. 364-565.000.
Huynh, Van-Minh; and Luk, Francis M., to University of Windsor. Method and apparatus for assessing surface roughness. 4,878,114, 10-31-89, Cl. 358-106.000.
Huys, John H. Welding electrode. 4,861,961, 8-29-89, Cl. 219-119.000.
Huzinec, Robert J.: *See—*
  Silva, Jose N.; Zamudio-Tena, Jose F.; and Huzinec, Robert J., 4,867,989, Cl. 426-5.000.
Huzino, Seizi: *See—*
  Nishida, Minoru; Mizuno, Naohito; Hattori, Tadashi; Huzino, Seizi; and Ando, Yoshiyasu, 4,840,067, Cl. 73-726.000.
  Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seizi; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, 4,843,882, Cl. 73-204.260.
  Ohta, Minoru; Miura, Kazuhiko; Huzino, Seizi; Kanehara, Kenji; and Hattori, Tadashi, 4,870,860, Cl. 73-204.260.
Hvezda, Jaroslav M.; and Middlehurst, Richard J., to Northern Telecom Limited. Adjustable quick-mount test probe assembly. 4,806,85, 2-21-89, Cl. 324-158.00P.
Hvezda, Jaroslav M.; and Middlehurst, Richard J., to Northern Telecom Limited. Mounting bracket for test probes. 4,810,956, 3-7-89, Cl. 324-158.00P.
Hvezda, Jaroslav M.: *See—*
  Kahn: David A.; Pacey, Grant K.; Hvezda, Jaroslav M.; and Dalgleish, Jack F., 4,872,739, Cl. 350-96.160.
Hvilsted, Niels; Pedersen, Kaj; and Christensen, Finn D., to Hvilsted, Niels; and Gilleleje Pedersen, Kaj. Hydraulic cylinder with piston and with a magnetic device for piston position determination. 4,846,048, 7-11-89, Cl. 92-5.00R.
Hvolka, Dusan J., to DJH Engineering Center, Inc. Variable speed transmission. 4,856,378, 8-15-89, Cl. 74-804.000.
Hwa, Chih M.: *See—*
  Cuisia, Dionisio G.; Hwa, Chih M.; and Salutsky, Murrell L., 4,847,001, Cl. 252-389.620.

Hwan, Chi-Chuan. Wall-crevice stuffing material dispenser. 4,813,574, 3-21-89, Cl. 222-325.000.
Hwan, Jau H.; and Wu, Chun S. Adjustable spoiler with third brake light. 4,819,132, 4-4-89, Cl. 362-61.000.
Hwan, Rei-Nan [illegible]: *See—*
  Baker, Brian K.; Hwan, Rei-Nan R.; and Leu, Lori A., 4,827,772, Cl. 73-716.000.
Hwang, Biing-Yih. Structure for a float valve assembly. 4,796,650, 1-10-89, Cl. 137-443.000.
Hwang, Blake. Numerical lock. 4,860,561, 8-29-89, Cl. 70-28.000.
Hwang, Bor-Yuan; Casteel, Carroll M.; and Mastroianni, Sal T., to Motorola Inc. Integrated pin photo-detector method. 4,847,210, 7-11-89, Cl. 437-3.000.
Hwang, Bor-Yuan: *See—*
  Bushey, Thomas P.; and Hwang, Bor-Yuan, 4,806,796, Cl. 307-455.000.
  Zdebel, Peter J.; Balda, Raymond J.; Hwang, Bor-Yuan; and Wagner, Allen J., 4,837,176, Cl. 437-31.000.
Hwang, Bun: *See—*
  Moon, Juhn W.; Hwang, Bun; and Chang, Jin K., 4,861,605, Cl. 426-96.000.
Hwang, Cheng-Hsuon. Playing rules for lottery-like game. 4,871,172, 10-3-89, Cl. 273-138.00R.
Hwang, Chi Y.; and Chih, Liu P. Mini inflatable yacht. 4,811,682, 3-14-89, Cl. 114-345.000.
Hwang, Chi Y.: *See—*
  Chih, Liu P.; and Hwang, Chi Y., 4,840,242, Cl. 180-8.100.
Hwang, Chi Yung; and Chih, Liu P. Toy kiddieland. 4,838,825, 6-13-89, Cl. 446-136.000.
Hwang, Ching-Fa: *See—*
  Lin, Chyuan-Shiun; Tesler, Joel; and Hwang, Ching-Fa 4,807,118, Cl. 364-200.000.
Hwang, Dah-min D.; and Nazar, Lawrence R., to Bell Communications Research, Inc. Optically controlled dimpler for preparation of ultrathin samples. 4,885,051, 12-5-89, Cl. 156-345.000.
Hwang, Dar-Jong: *See—*
  Chen, Inn-Ming; Shyy, Yeu-Hwa; Chung, Ching-Fu; Hwang, Dar-Jong; Yeh, Jenq-Chang; and Wu, Hsu-Lung, 4,866,629, Cl. 364-468.000.
Hwang, David L.; and Hosea, Joel C., to United States of America, Energy. Graphit-ceramic RF Faraday-thermal shield and plasma limiter. 4,858,817, 8-22-89, Cl. 228-122.000.
Hwang, Edward Y., to Westinghouse Electric Corp. Steam turbine valve management system. 4,811,565, 3-14-89, Cl. 60-646.000.
Hwang, Edward Y.; and Thomas, Timothy D., to Westinghouse Electric Corp. Computer aided tuning of turbine controls. 4,866,940, 9-19-89, Cl. 60-646.000.
Hwang, Frank K.; and Richards, Gaylord W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Rearrangeable multiconnection switching networks constructed using combinatorial designs. 4,887,079, 12-12-89, Cl. 340-825.800.
Hwang, Gil S. Ear-warmer. 4,850,055, 7-25-89, Cl. 2-209.000.
Hwang, In M.; and Hwang, Yong K. Ventilation band. 4,847,919, 7-18-89, Cl. 2-338.000.
Hwang, In Mo; and Hwang, Yong Koo. Front-cargo tricycle. 4,863,183, 9-5-89, Cl. 280-267.000.
Hwang, InSeok S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Multiple output field effect transistor logic. 4,851,714, 7-25-89, Cl. 307-448.000.
Hwang, InSeok S., to American Telephone and Telegraph Company. Carry look-ahead technique having a reduced number of logic levels. 4,858,168, 8-15-89, Cl. 364-787.000.
Hwang, InSeok S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. High-speed binary and decimal arithmetic logic unit. 4,866,656, 9-12-89, Cl. 364-768.000.
Hwang, Jiann-Yang, to Michigan Technological University, Board of Control of. Reagents for magnetizing nonmagnetic materials. 4,834,898, 5-30-89, Cl. 252-62.560.
Hwang, John C. C.: *See—*
  Lee, Richard H. C.; Hwang, John C. C.; Ma, Ing J.; and Lin, Ching F., 4,815,095, Cl. 372-107.000.
Hwang, Juin-Jet; Hurt, William A.; and Daigle, Ronald E., to Advanced Technology Laboratories, Inc. Adaptive temporal filter for ultrasound imaging system. 4,887,306, 12-12-89, Cl. 382-54.000.
Hwang, Ki J.; Gong, Yeong D.; and Kim, Gil H., to Korea Research Institute of Chemical Technology. Phosphoric and thiophosphonic acid derivatives of 5-hydroxypyrazoles, compositions and use. 4,822,779, 4-18-89, Cl. 514-94.000.
Hwang, Kirk K., to Minnesota Mining and Manufacturing Company. Porous film. 4,824,718, 4-25-89, Cl. 428-284.000.
Hwang, Kou M.: *See—*
  Lifson, Jeffrey D.; McGrath, Michael S.; Yeung, Hin-Wing; and Hwang, Kou M., 4,795,739, Cl. 514-8.000.
Hwang, Kuo: *See—*
  Lifson, Jeffrey D.; McGrath, Michael S.; Yeung, Hin-Wing; and Hwang, Kuo, 4,869,903, Cl. 424-195.100.
Hwang, Kuo H. Multipurpose calculator. 4,861,970, 8-29-89, Cl. 235-10.000.
Hwang, Kuo H. Lipstick cap with lamp devices. 4,888,667, 12-19-89, Cl. 362-109.000.
Hwang, Min-Su. Electronic air-cleaning air conditioner automatically washed by water. 4,884,416, 12-5-89, Cl. 62-303.000.
Hwang, Moo Y. Process for treating textile fabrics with water repellent. 4,814,206, 3-21-89, Cl. 427-393.400.
Hwang, Ned H. C., to Carbon Implants, Inc. Prosthetic heart valve. 4,872,875, 10-10-89, Cl. 623-2.000.
Hwang, Rong J.: *See—*
  Nigrini, Andrew; and Hwang, Rong J., 4,871,023, Cl. 166-252.000.
Hwang, Sang K.: *See—*
  Kim, Byung Y.; Jung, Tae S.; and Hwang, Sang K., 4,852,064, Cl. 365-203.000.
Hwang, Sang Yo: *See—*
  Jung, Il Nam; Hwang, Sang Yo; and Lee, Chung Suk, 4,873,011, Cl. 252-75.000.
Hwang, Sheng-Lee. Game device. 4,880,236, 11-14-89, Cl. 273-113.000.
Hwang, Shih-Ming. Interruption demonstrating and multi-phase burglar detecting alarm. 4,810,998, 3-7-89, Cl. 340-541.000.
Hwang, Shih-Ming. Active entry delay device. 4,835,518, 5-30-89, Cl. 340-528.000.
Hwang, Shin L.; and Claghorn, Roger O., to Emerson Electric Co. Tensioner for an endless belt driven wood lathe. 4,865,576, 9-12-89, Cl. 474-114.000.
Hwang, Shyh-Chyi. Therapeutic suction device. 4,795,428, 1-3-89, Cl. 604-73.000.
Hwang, Sun-Tak; L., Dong; and Seok, Damon R., to University of Cincinnati. Process for preparation of heterogeneous polysiloxane membrane and membrane produced. 4,828,588, 5-9-89, Cl. 55-158.000.
Hwang, Tian-Ding. Needle-type tire pressure gauge. 4,827,764, 5-9-89, Cl. 73-146.800.
Hwang, Wei; and Lu, Nicky C., to International Business Machines Corporation. High density vertical trench transistor and capacitor memory cell structure and fabrication method therefor. 4,816,884, 3-28-89, Cl. 357-23.600.
Hwang, Wei; and Lu, Nicky C., to International Business Machines Corporation. High density memory cell structure having a vertical trench transistor self-aligned with a vertical trench capacitor and fabrication methods therefor. 4,833,516, 5-23-89, Cl. 357-23.600.
Hwang, Wei: *See—*
  Davari, Bijan; Hwang, Wei; and Lu, Nicky C., 4,881,105, Cl. 357-23.400.
Hwang, Yeongming: *See—*
  Tsao, Chich-Hsing A.; Hwang, Yeongming; Kilburg, Francis J.; and Dietrich, Fred J., 4,847,625, Cl. 343-700.0MS.
Hwang, Ying-Teh. Double-threaded tooth pick. 4,832,061, 5-23-89, Cl. 132-329.000.
Hwang, Yong K.: *See—*
  Hwang, In M.; and Hwang, Yong K., 4,847,919, Cl. 2-338.000.
Hwang, Yong Koo: *See—*
  Hwang, In Mo; and Hwang, Yong Koo, 4,863,183, Cl. 280-267.000.
Hwang, Yong Y.; and Smith, Donald P., to Stein Associates, Inc. Food cooking oven with duct fingers and method. 4,834,063, 5-30-89, Cl. 126-21.00A.
Hwang, Yu-Tsang G., to Republic Electronics Company. System for generating signals subject to statistically random frequency perturbations. 4,818,955, 4-4-89, Cl. 331-78.000.
Hwang, Yu-Tsang G., to Republic Electronics Company. Miniature digital computer circuit for determining values of combined varying quantities. 4,875,182, 10-17-89, Cl. 364-732.000.
Hwo, Charles C., to Shell Oil Company. Peelable seals using polybutylene. 4,808,662, 2-28-89, Cl. 525-74.000.
Hwo, Charles C., to Shell Oil Company. Film, sheet and laminate capable of forming easy-open packagings. 4,870,134, 9-26-89, Cl. 525-221.000.
Hwo, Charles C., to Shell Oil Company. Film and sheet capable of forming retortable and easy-open packagings. 4,876,156, 10-24-89, Cl. 428-516.000.
Hwo, Charles C., to Shell Oil Company. Blends of high molecular weight polybutylene with low density polyethylene. 4,882,229, 11-21-89, Cl. 428-461.000.
Hwo, Charles C.; and Hughes, Patrick M., to Shell Oil Company. Butene-1 molding resin blends. 4,886,849, 12-12-89, Cl. 524-263.000.
Hwu, Jih R.; and Robl, Jeffrey A., to Johns Hopkins University, The. Prostanoids and synthesis thereof. 4,855,437, 8-8-89, Cl. 548-241.000.
Hy-Bec Corporation: *See—*
  Hayakawa, Futomi; and Onoda, Kazuo, 4,812,620, Cl. 219-347.000.
Hy-Con Products, Inc.: *See—*
  Young, William I., 4,883,172, Cl. 206-328.000.
Hy-Rise Scaffolding Ltd.: *See—*
  Vladikovic, Predrag, 4,831,797, Cl. 52-126.600.
Hyakumura, Kazushi, to Olympus Optical Co., Ltd. Apparatus for measuring reflectivity. 4,831,276, 5-16-89, Cl. 250-571.000.
Hyakutake, Hayato: *See—*
  Oto, Ikuo; Hyakutake, Hayato; and Kobirumaki, Ryo, 4,886,730, Cl. 430-137.000.
Hyakutake, Junichi, to Mitsubishi Denki Kabushiki Kaisha. Synchronizing signal processing circuit. 4,859,872, 8-22-89, Cl. 307-269.000.
Hyakutake, Junichi, to Mitsubishi Denki Kabushiki Kaisha. Automatic gain control circuit. 4,884,141, 11-28-89, Cl. 358-174.000.
Hyatt, Gilbert P. Aquasafe TM a temperature tolerant safe. 4,800,823, 1-31-89, Cl. 109-24.000.
Hyatt, Gilbert P. Monolithic data processor with memory refresh. 4,825,364, 4-25-89, Cl. 364-200.000.
Hyatt, Gilbert P. Microcomputer control of machines. 4,829,419, 5-9-89, Cl. 364-188.000.
Hyatt, Gilbert P. Intelligent transducer. 4,870,559, 9-26-89, Cl. 364-130.000.
Hyatt, John A.: *See—*
  Pruett, Wayne P.; Hyatt, John A.; and Hilbert, Samuel D., 4,803,255, Cl. 527-400.000.
Hybl, Cestmir: *See—*
  Zikmund, Miroslav; Hybl, Cestmir; Macho, Vendelin; and Adam, Valer, 4,871,519, Cl. 423-169.000.

- Hybond, Inc.: *See—*
  - Ingle, Lloyd D.; Allen, Henry V.; and Knutti, James W., 4,884,223, Cl. 364-550.000.
  - Mullen, Gerald G., 4,857,133, Cl. 156-378.000.
- Hyche, Kenneth W.; and Gose, William C., to Eastman Kodak Company. Aqueous additive systems, methods and polymeric particles. 4,880,470, 11-14-89, Cl. 106-271.000.
- Hycner, Stanley H.; Fadner, Thomas A.; and Chou, Shem-Mong, to Rockwell International Corporation. Copper coated anodized aluminum ink metering roller. 4,862,799, 9-5-89, Cl. 101-348.000.
- Hyde Athletic Industries Inc.: *See—*
  - Graham, Kenneth; Geer, Kenton D.; and Bednarski, Katherine, 4,879,821, Cl. 36-44.000.
- Hyde, Christopher T.: *See—*
  - Crowther, Glenn W.; Hyde, Christopher T.; and Henn, Robert L., 4,814,412, Cl. 528-28.000.
- Hyde, Gene A.: *See—*
  - French, Cheryl B.; and Hyde, Gene A., 4,818,436, Cl. 252-400.230.
- Hyde, Gilbert F.: *See—*
  - Wilhelm, Peter L.; and Hyde, Gilbert F., 4,852,850, Cl. 251-28.000.
- Hyde, James P., to Ford Motor Company. Tank comprising embedded flanged conduit. 4,877,147, 10-31-89, Cl. 220-85.0VR.
- Hyde, James S.; Froncisz, Wojciech; Jesmanowicz, Andrzej; and Kneeland, J. Bruce, to MCW Research Foundation, Inc. NMR detector network. 4,866,387, 9-12-89, Cl. 324-318.000.
- Hyde, James S.; and Gajdzinski, Jerzy, to MCW Research Foundation, Inc. Electron paramagnetic resonance (EPR) spectrometer. 4,888,554, 12-19-89, Cl. 324-316.000.
- Hyde, Jeffrey R., to Morton Thiokol, Inc. Compositions for stabilizing halogen-containing organic polymers. 4,810,736, 3-7-89, Cl. 524-181.000.
- Hyde, Jeffrey R., to Morton Thiokol, Inc. Lubricating compositions for PVC or the like. 4,824,583, 4-25-89, Cl. 252-39.000.
- Hyde, Jeffrey R., to Morton Thiokol, Inc. Extrusion lubricant comprising a hydrocarbon wax, fatty acid salt and an organic mercaptan. 4,873,005, 10-10-89, Cl. 252-35.000.
- Hyde, King W. Pilot burner with drain. 4,826,427, 5-2-89, Cl. 431-202.000.
- Hyde, Neal T. Segmented end gate for box type vehicle bodies. 4,838,598, 6-13-89, Cl. 296-50.000.
- Hydrabaths, Inc.: *See—*
  - Chalberg, Philip E.; Gordbegli, Manochehr; and Kenchel, Paul N., 4,823,413, Cl. 4-544.000.
- Hydramet American, Inc.: *See—*
  - De Rush, Michael J., 4,862,721, Cl. 72-263.000.
- Hydranautics: *See—*
  - Holland, Eric C.; Lesan, Fredrick K.; and Knappe, Peter H., 4,855,058, Cl. 210-652.000.
- Hydranautics Corporation: *See—*
  - Tomaschke, John E., 4,872,984, Cl. 210-500.380.
- Hydraulic Services, Inc.: *See—*
  - Endebrock, Ed, 4,834,777, Cl. 44-596.000.
- Hydreco, Incorporated: *See—*
  - Becker, Lanson, 4,819,430, Cl. 60-421.000.
  - Bowden, Charles J., 4,824,331, Cl. 417-310.000.
- Hydril Company, The: *See—*
  - Mott, Keith C.; Kirsch, Gary E.; Barringer, H. Paul; and Tung, Lawrence Y., 4,817,962, Cl. 277-1.000.
  - Roche, Joseph R., 4,828,024, Cl. 166-84.000.
  - Roche, Joseph R., 4,832,126, Cl. 166-358.000.
  - Tung, Lawrence Y., 4,795,200, Cl. 285-334.000.
- Hydro Betong AB: *See—*
  - Georgii, Hans, 4,799,828, Cl. 405-195.000.
- Hydro Conduit Corporation: *See—*
  - Zicaro, Joseph P., 4,856,561, Cl. 138-109.000.
- Hydro-Craft, Inc.: *See—*
  - Shoptaw, David R., 4,887,469, Cl. 73-861.770.
  - Tootell, Terence S.; Wilson, Keith G.; and Shoptaw, David R., 4,885,943, Cl. 73-861.770.
  - Walker, William R., 4,878,696, Cl. 285-61.000.
- Hydro Data, Inc.: *See—*
  - Gust, Giselher R., 4,884,892, Cl. 366-136.000.
- Hydro Energy Systems, Ltd.: *See—*
  - Psaltopoulos, Emmanuel, 4,878,624, Cl. 241-29.000.
- Hydro-Ergon Corporation: *See—*
  - Hilaris, John A., 4,795,217, Cl. 299-36.000.
- Hydro Fuels, Inc.: *See—*
  - Waldron, Robert D., 4,867,514, Cl. 350-1.100.
- Hydro International Limited: *See—*
  - Lakatos, Daniel, 4,889,166, Cl. 137-813.000.
  - Smisson, Bernard, 4,865,751, Cl. 210-788.000.
- Hydro Mecanique Research S.A.: *See—*
  - Nijenhuis, Harry, 4,832,561, Cl. 414-500.000.
- Hydro-Quebec: *See—*
  - Alexandrov, Nicolas; Chretien, Normand; and Fihey, Jean-Luc, 4,812,608, Cl. 219-10.750.
  - Armand, Michel, 4,818,644, Cl. 429-192.000.
  - Armand, Michel; Gauthier, Michel; and Muller, Daniel, 4,851,307, Cl. 429-192.000.
  - Belanger, Andre ; Gauthier, Michel; and Robitaille, Michel, 4,824,746, Cl. 429-218.000.
  - Bouchard, Bertrand, 4,852,174, Cl. 381-58.000.
  - Chenier, Andre ; and Hamel, Andre, 4,831,327, Cl. 324-127.000.
  - Gervais, Pierre; Duval, Michel; and Giroux, Marcel, 4,889,965, Cl. 219-10.55M.
  - Malewski, Ryszard; and Leclerc, Marc, 4,825,153, Cl. 324-126.000.
  - Marceau, Richard J.; and Jeanson, Guy, 4,855,552, Cl. 219-10.510.
  - Narancic, Vojislav; and Fecteau, Gilles, 4,855,705, Cl. 337-246.000.
  - St-Jean, Guy; Hamel, Andre; Bourdages, Michel; and Dumont, Daniel, 4,827,370, Cl. 361-127.000.
  - Simard, Julien; Lessard, Raymond; and Belanger, Yves, 4,806,925, Cl. 340-815.250.
- Hydro-Tec Limited: *See—*
  - Miles, Peter; and Smith, Leslie A. D., 4,883,093, Cl. 138-45.000.
- Hydroacoustics, Inc.: *See—*
  - Nelson, David E., 4,799,201, Cl. 367-41.000.
- Hydrocarbon Sciences, Inc.: *See—*
  - Haire, William M.; and Pou, Celestino, 4,877,513, Cl. 208-106.000.
- Hydrochem Developments Ltd.: *See—*
  - Larkins, David J.; and Schneider, John C., 4,878,677, Cl. 277-105.000.
  - Schneider, John C.; Van Weert, Gezinus; and Fair, Kenneth J., 4,834,793, Cl. 75-101.00R.
- Hydrocosmetics, Inc.: *See—*
  - Krauss, Andre; Martin, Harry; and Pszenny, Richard, 4,871,262, Cl. 366-160.000.
- Hydroflo, Inc.: *See—*
  - Auchincloss, Peter E., 4,795,563, Cl. 210-662.000.
  - Auchincloss, Peter E., 4,814,074, Cl. 210-143.000.
- Hydromatik GmbH: *See—*
  - Hoffmeister, Hermann; Puvogel, Klaus; and Schniederjan, Reinhold, 4,880,359, Cl. 417-216.000.
  - Mayr, Albert; and Wiest, Wolfgang, 4,802,336, Cl. 60-448.000.
  - Rohde, Rolf; and Ritter, Gunter, 4,858,480, Cl. 74-60.000.
  - Wachs, Ewald; Wagenseil, Ludwig; and Reistle, Wolfgang, 4,864,822, Cl. 60-427.000.
  - Wagenseil, Ludwig, 4,852,463, Cl. 91-488.000.
  - Walzer, Winfried, 4,870,819, Cl. 60-422.000.
  - Walzer, Winfried; and Reistle, Wolfgang, 4,884,475, Cl. 74-862.000.
- Hydromer, Inc.: *See—*
  - Creasy, Walter S., 4,847,324, Cl. 525-57.000.
  - Creasy, Walter S.; and Lorenz, Donald H., 4,875,287, Cl. 30-34.010.
- Hydronic, Ltd.: *See—*
  - Corlett, Ewan C. B., 4,832,633, Cl. 440-67.000.
- Hydropress Wallander & Co.: *See—*
  - Wallander, Carl O., 4,853,116, Cl. 210-104.000.
- Hydrosplash Enterprises, Inc.: *See—*
  - Erickson, Curtis, 4,875,673, Cl. 272-71.000.
- Hydrotech Chemical Corporation: *See—*
  - Mendoza, Joe; and Han, Joseph, 4,869,817, Cl. 210-169.000.
- Hydrotechnik GmbH: *See—*
  - Hofmann, Manfred, 4,794,937, Cl. 137-614.050.
- Hydrovision Limited: *See—*
  - Walker, Terence D., 4,809,630, Cl. 114-66.000.
- Hydrovoima Oy: *See—*
  - Lammela, Martti, 4,828,861, Cl. 426-496.000.
- Hyduke, Stanley M. Instantaneous incremental compiler for producing logic circuit designs. 4,827,427, 5-2-89, Cl. 364-489.000.
- Hyer, Frank S., to Hyer Industries, Inc. Powder feeder. 4,821,782, 4-18-89, Cl. 141-83.000.
- Hyer Industries, Inc.: *See—*
  - Hyer, Frank S., 4,821,782, Cl. 141-83.000.
- Hyers, Robert C.: *See—*
  - Nichols, Steven R.; Hyers, Robert C.; Stovall, Walter M.; and Trawick, Charles D., 4,853,839, Cl. 364-167.010.
- Hyfantis, George J., Jr.; Ellis, Richard A.; and McCulloch, Reg W. Method and apparatus for detecting leaks in a liquid-containing tank. 4,862,733, 9-5-89, Cl. 73-49.200.
- Hygeia Sciences, Inc.: *See—*
  - Bahar, Izak; and Cole, Francis, 4,868,108, Cl. 435-7.000.
  - Berke, Carl M., 4,851,337, Cl. 435-29.000.
  - Cantarow, Walter D., 4,824,784, Cl. 435-7.000.
  - Cole, Francis X.; Davis, Gene; and Sigillo, Eric, 4,859,612, Cl. 436-523.000.
- Hygenic Corporation, The: *See—*
  - Riazi, John, 4,882,407, Cl. 526-340.200.
- Hyland, Craig R.: *See—*
  - Ostertag, Alfred; Iversen, Robert E.; Hyland, Craig R.; Enever, Kenneth D.; and Radford, Steven R., 4,878,548, Cl. 175-340.000.
- Hyland, Fred, to STC PLC. Method for optical fiber manufacture. 4,801,324, 1-31-89, Cl. 65-3.110.
- Hyland, Lawrence P.: *See—*
  - Pol, Kenneth J.; Foster, James F.; Gyger, Jack D.; and Hyland, Lawrence P., 4,804,173, Cl. 271-11.000.
- Hyland, M. Elise; and Hunt, Warren H., Jr., to Aluminum Company of America. Aluminum alloy vehicular member. 4,840,852, 6-20-89, Cl. 428-654.000.
- Hyldon, Roy; and Bhatia, Usha, to Pillsbury Company, The. Storage stable tomato-based sauce. 4,840,806, 6-20-89, Cl. 426-270.000.
- Hylsa, S.A. de C.V.: *See—*
  - Becerra-Novoa, Jorge O., 4,834,792, Cl. 75-35.000.
  - Celada-Salmon, Juan, 4,853,942, Cl. 373-91.000.
  - Garza-Ondarza, Jose J., 4,886,097, Cl. 141-333.000.
  - Martinez-Vera, Enrique R.; and Becerra-Novoa, Jorge O., 4,880,458, Cl. 75-35.000.
- Hyltoft, Hans C., to Mercante International A/S AF 1986. Sheet feeding device for use in an electrophotographic information printer. 4,798,373, 1-17-89, Cl. 271-9.000.
- Hylton, William M.; Zabsky, John M.; and Littleton, Virgil E., to Hylton, William M. Germicidal toothbrush holder. 4,806,770, 2-21-89, Cl. 250-455.100.
- Hyman Products, Inc.: *See—*
  - Hesu, Victor C., 4,872,854, Cl. 439-577.000.
- Hymore, Ronald R.: *See—*
  - Pharms, Eugene P.; Amberger, Charles J.; and Hymore, Ronald R., 4,844,985, Cl. 428-432.000.
- Hyndman, Alexander W.: *See—*
  - Shelfantook, William E.; Hyndman, Alexander W.; and Hackman, Larry P., 4,859,317, Cl. 208-391.000.
- Hyne, Joseph H.; Cyvas, Matthew K.; and Long, David D., to Cameron Iron Works USA, Inc. Subsea casing hanger packoff assembly. 4,815,770, 3-28-89, Cl. 285-140.000.
- Hynecek, Jaroslav, to Texas Instruments Incorporated. Low 1/f noise amplifier for CCD imagers. 4,814,648, 3-21-89, Cl. 307-497.000.
- Hynecek, Jaroslav, to Texas Instruments Incorporated. Image sensor array. 4,819,070, 4-4-89, Cl. 358-213.110.
- Hynecek, Jaroslav, to Texas Instruments Incorporated. Large pitch CCD with high charge transfer efficiency. 4,821,081, 4-11-89, Cl. 357-24.000.
- Hynecek, Jaroslav, to Texas Instruments Incorporated. Horizontal scanner for image sensor arrays. 4,831,451, 5-16-89, Cl. 358-213.110.
- Hynecek, Jaroslva, to Texas Instruments Incorporated. Image sensor array for still camera imaging with multiplexer for separating interlaced fields. 4,878,121, 10-31-89, Cl. 358-213.220.
- Hyner, Jacob; and Gradowski, Steven, to Whyco Chromium Company, Inc. Corrosion resistant coating for fasteners. 4,837,090, 6-6-89, Cl. 428-626.000.
- Hynes, Joseph H.; Owens, James H., III; and Taylor, William M., to Cameron Iron Works USA, Inc. Well housing and landing shoulder. 4,826,216, 5-2-89, Cl. 285-140.000.
- Hynes, Joseph H., to Cameron Iron Works USA, Inc. Subsea wellhead with annulus communicating system. 4,887,672, 12-19-89, Cl. 166-344.000.
- Hynes, Joseph H.: *See—*
  - Henderson, Herman O.; and Hynes, Joseph H., 4,807,705, Cl. 166-348.000.
- Hynninen, Pertti: *See—*
  - Gullichsen, Johan; and Hynninen, Pertti, 4,812,207, Cl. 162-29.000.
  - Gullichsen, Johan; and Hynninen, Pertti, 4,842,688, Cl. 162-29.000.
- Hynson, Richard B.: *See—*
  - Benjamin, Earl J.; Ke, Charles H.; Hynson, Richard B.; and Hsu, Chi Ming L., 4,847,104, Cl. 426-549.000.
- Hyodo, Haruhiko, to Minolta Camera Kabushiki Kaisha. Image projection device for use in slit exposure optical system. 4,890,137, 12-26-89, Cl. 355-57.000.
- Hyodo, Hiroshi: *See—*
  - Inoue, Kazushige; Yamamoto, Hiroshi; Hyodo, Hiroshi; and Kishimoto, Shinichi, 4,876,204, Cl. 436-46.000.
- Hyodo, Kaneaki: *See—*
  - Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime, Toshiyuki, 4,813,867, Cl. 431-353.000.
- Hyodo, Keiichiro: *See—*
  - Sakai, Toshiyuki; Okada, Yoshihiro; and Hyodo, Keiichiro, 4,853,767, Cl. 358-78.000.
- Hyodo, Kenji; Koezuka, Hiroshi; and MacDiarmid, Alan G., to Mitsubishi Denki Kabushiki Kaisha. Hetero-junction device. 4,873,556, 10-10-89, Cl. 357-8.000.
- Hyodo, Kenji: *See—*
  - Makishima, Hideo; and Hyodo, Kenji, 4,853,274, Cl. 428-143.000.
- Hyodo, Masakatsu; Kusumoto, Koji; and Yagi, Isaburo, to Ashinori Industry Co., Ltd. Apparatus for manufacturing tubular lining material. 4,871,413, 10-3-89, Cl. 156-382.000.
- Hyodo, Motoi: *See—*
  - Kobayashi, Kiyonori; Kamiya, Masakazu; Kagiyama, Junji; and Hyodo, Motoi, 4,887,485, Cl. 74-574.000.
- Hyodo, Tohru; and Kobayashi, Fumihiko, to Janome Sewing Machine Co., Ltd. Device for selecting a diagnosing device or stitch forming device in electronic sewing machine. 4,867,088, 9-19-89, Cl. 112-453.000.
- Hyodo, Toru, to Janome Sewing Machine Company Limited. Color display apparatus in sewing machine. 4,869,188, 9-26-89, Cl. 112-445.000.
- Hyodo, Toru: *See—*
  - Sano, Yasuro; Koide, Akio; Hyodo, Toru; Kobayashi, Fumihiko; Kawasato, Takayuki; and Osanai, Yasuhiko, 4,878,444, Cl. 112-264.100.
- Hyodo, Yoshihiko: *See—*
  - Chujo, Yoshiki; Inoue, Tokuta; Konomi, Toshiaki; and Hyodo, Yoshihiko, 4,836,174, Cl. 123-571.000.
- Hyogo, Yukihiro; Kimura, Kikuo; Iida, Satoshi; and Arai, Kazuya, to Yazaki Corporation. Lid locking mechanism in automobile switch panel device. 4,822,965, 4-18-89, Cl. 200-333.000.
- Hyon, Suong-Hyu; and Ikada, Yoshito, to Biomaterials Universe, Inc. Method of molding a polyvinyl alcohol contact lens. 4,874,562, 10-17-89, Cl. 264-1.400.
- Hyono, Tadashi: *See—*
  - Tada, Masuo; Akamatsu, Kazuhiko; Fukumoto, Takaaki; Ohmori, Toshiaki; and Hyono, Tadashi, 4,869,090, Cl. 72-53.000.
- Hyosu, Yoshihiko; Ikeda, Takeshi; Kanda, Hitoshi; Mori, Hiromi; Kawakami, Hiroaki; and Kobayashi, Kuniko, to Canon Kabushiki Kaisha. Process for producing toner through suspension polymerization. 4,816,366, 3-28-89, Cl. 430-137.000.
- Hyosu, Yoshihiko; Hikake, Norio; and Tanaka, Katsuhiko, to Canon Kabushiki Kaisha. Process for producing toner for developing electrostatic images. 4,839,255, 6-13-89, Cl. 430-137.000.
- Hyosu, Yoshihiko; Mori, Hiromi; and Imai, Eiichi, to Canon Kabushiki Kaisha. Process for producing toner through suspension polymerization. 4,845,007, 7-4-89, Cl. 430-137.000.
- Hyosu, Yoshihiko: *See—*
  - Mori, Hiromi; Matsunaga, Satoshi; Kobayashi, Kuniko; Hyosu, Yoshihiko; and Imai, Eiichi, 4,804,610, Cl. 430-137.000.
- Hypeco AB: *See—*
  - Stenlund, Stig, 4,878,536, Cl. 165-119.000.
- Hypermotion, Inc.: *See—*
  - Perez, Keith J., 4,825,135, Cl. 318-568.170.
- Hypertherm, Inc.: *See—*
  - Sanders, Nicholas A.; and Couch, Richard W., Jr., 4,816,637, Cl. 219-121.590.
  - Sanders, Nicholas A.; and Couch, Richard W., Jr., 4,861,962, Cl. 219-121.500.
- Hypervision: *See—*
  - Khurana, Neeraj, 4,811,090, Cl. 358-93.000.
- Hypoguard (UK) Limited: *See—*
  - Sams, Bernard, 4,865,591, Cl. 604-186.000
- Hypres, Incorporated: *See—*
  - Faris, Sadeg M.; Hohenwarter, Gert K. G.; and Whiteley, Stephen R., 4,809,133, Cl. 361-385.000.
  - Faris, Sadeg M., 4,814,598, Cl. 250-211.00J.
  - Faris, Sadeg M., 4,837,604, Cl. 357-5.000.
  - Grange, John A.; and Tuzel, Walter, 4,869,077, Cl. 62-51.100.
  - Hanson, Eric R., 4,823,026, Cl. 307-352.000.
  - Hohenwarter, Gert K. G.; and Grange, John A., 4,870,830, Cl. 62-50.700.
  - Stebbins, Edwin E., 4,856,099, Cl. 341-133.000.
  - Whiteley, Stephen R.; and Faris, Sadeg M., 4,866,302, Cl. 307-352.000.
  - Whiteley, Steve, 4,812,689, Cl. 307-605.000.
- Hyprez S.A.: *See—*
  - Broido, Georges H. G., 4,833,913, Cl. 73-150.00R.
- Hypro Corp.: *See—*
  - Buck, Michael D., 4,824,342, Cl. 417-503.000.
  - Pareja, Ramon, 4,830,589, Cl. 417-539.000.
- Hyrdro-Quebec: *See—*
  - Lambeth, Peter, 4,833,278, Cl. 174-139.000.
- Hyster Company: *See—*
  - Chess, Robert L., 4,848,530, Cl. 192-3.580.
  - Schmelzer, Lynn A.; Smith, William M.; and Merritt, Raymond S., 4,830,534, Cl. 404-117.000.
- Hytti, Pekka: *See—*
  - Kahkipuro, Matti; Sten, Urpo; Nummi, Pekka; and Hytti, Pekka, 4,799,139, Cl. 363-95.000.
- Hyuga, Takao: *See—*
  - Minami, Hisashi; Deguchi, Toshihisa; Nomura, Masaru; and Hyuga, Takao, 4,864,125, Cl. 250-231.0SE.
- Hyuga, Takehiro: *See—*
  - Matsumoto, Kazutoshi; and Hyuga, Takehiro, 4,830,995, Cl. 501-135.000.
- Hyun, David K.; Higgins, Clifford A., II; and Morgan, William H., to Value Savers Unlimited. Method for organizing merchandising coupons and coupon storage device. 4,795,196, 1-3-89, Cl. 283-67.000.
- Hyun, James L.: *See—*
  - Odorisio, Paul A.; Pastor, Stephen D.; and Hyun, James L., 4,812,501, Cl. 524-117.000.
  - Odorisio, Paul A.; Pastor, Stephen D.; and Hyun, James L., 4,831,178, Cl. 558-76.000.
- Hyun, Kun S.: *See—*
  - Betso, Stephen R.; Hyun, Kun S.; and Russell, Patrick M., 4,855,404, Cl. 528-502.000.
- Hyun, Kwang H. Integral rear view mirror for eyeglasses. 4,798,454, 1-17-89, Cl. 351-50.000.
- Hyvarinen, Jari: *See—*
  - Persson, Per-Olof; Albrektsson, Kjell; Axinger, Jan; Fixell, Jan-Olof; and Hyvarinen, Jari, 4,858,532, Cl. 102-387.000.
- Hyyppa, Kalevi, to Inik Instrument Och Elektronik. Method of navigating an automated guided vehicle. 4,811,228, 3-7-89, Cl. 364-424.020.
- Hyzin, Peter J.: *See—*
  - Rofer, David; Hyzin, Peter J.; and Conrad, Thomas W., 4,812,129, Cl. 439-79.000.
- HZI Research Center Inc.: *See—*
  - Itil, Turan M.; Shapiro, Donald M.; Eralp, Emin; and Johansson, Nils E., 4,800,888, Cl. 128-644.000.
- I.B.E. Co., Ltd.: *See—*
  - Yamashita, Shoji, 4,797,156, Cl. 75-251.000.
- I.C.A. S.p.A.: *See—*
  - Rapparini, Gino, 4,845,927, Cl. 53-511.000.
- I.C.C. Di Fiorucci Roberta: *See—*
  - Brasanti, Stefano, 4,846,767, Cl. 474-82.000.
- I.C.P., S.A.: *See—*
  - Dreyfus, Roger, 4,871,068, Cl. 206-428.000.
  - Dreyfus, Roger, 4,883,168, Cl. 206-152.000.
- I D C - Chemie AG: *See—*
  - Mader, Karl; Schonenberger, Guido; and Buzzi, Carlo A., 4,802,480, Cl. 128-400.000.
- I.D.L. Int'l Diagnostic Laboratories Ltd.: *See—*
  - Tamir, Ilana; Kidron, Ben-Zion; Wang, Lynn; and Inbar, Michael, 4,883,765, Cl. 436-71.000.
- I.D.R. B.V.: *See—*
  - Weber, Rene, 4,880,383, Cl. 433-189.000.
- I.D. Tech Ltd.: *See—*
  - Ariav, Arie, 4,875,198, Cl. 367-93.000.

- I E Sensors, Inc.: *See—*
  - Vetecnik, Ivan. 4,800,370, Cl. 340-573.000.
- I. F. M. Electronic GmbH: *See—*
  - LaMarche, Jean-Luc, 4,879,474, Cl. 307-116.000.
- I.G. Bauerhin GmbH Elektro-Technische Fabrik: *See—*
  - Altmann, Dieter; and Haupt, Eberhard, 4,817,271, Cl. 29-729.000.
  - Altmann, Horst-Dieter; and Haupt, Eberhard, 4,825,048, Cl. 219-528.000.
- I. H. W. Engineering Ltd.: *See—*
  - Harrison, Neil; Aitken, Cliff R. R.; and Holloway, Ian, 4,858,274, Cl. 16-265.000.
- I, Jiro: *See—*
  - Saito, Masayoshi; and I, Jiro, 4,806,335, Cl. 423-632.000.
- I.K. International B.V.: *See—*
  - Butot, Lucas A. 4,812,609, Cl. 219-10.810.
- I.K. Trading Aps.: *See—*
  - Nielsen, Inge, 4,883,087, Cl. 137-458.000.
- I, Kanji; Kawasaki, Tatsuo; and Yasuhara, Eiko, to Kawasaki Steel Corp. Process for descaling cold-rolled and annealed stainless steel strip. 4,859,297, 8-22-89, Cl. 204-145.00R.
- I, Kanji: *See—*
  - Uchino, Kazuhiro; Watanabe, Toshio; Nakazato, Yoshio; Hoshino, Minoru; Yamamoto, Akira; and I, Kanji, 4,830,836, Cl. 423-139.000.
- I.L. Med, Inc.: *See—*
  - Lombardo, Igino; and Walus, Richard L., 4,856,512, Cl. 128-303.100.
- I.M.A.-Industrie Macchine Automatiche SpA: *See—*
  - Bordini, Fausto, 4,847,487, Cl. 250-223.00R.
  - Miselli, Carlo A., 4,845,921, Cl. 53-453.000.
  - Miselli, Carlo A.; and Conti, Rino, 4,854,930, Cl. 493-315.000.
  - Miselli, Carlo A., 4,875,329, Cl. 53-559.000.
- I.M. Electronics Co., Ltd.: *See—*
  - Kondo, Hiroatsu; and Iwasaki, Arihiko, 4,807,736, Cl. 194-206.000.
  - Kondo, Hiroatsu, 4,809,967, Cl. 271-181.000.
  - Kondo, Hiroatsu; and Iwasaki, Akihiko, 4,834,230, Cl. 194-206.000.
- I-N Technical Lab, Ltd.: *See—*
  - Inoue, Saihachi; Kiriyama, Shigeru; and Imada, Kazuhiro, 4,818,453, Cl. 264-41.000.
- I/O XEL Inc.: *See—*
  - Hospodor, Andrew D., 4,851,998, Cl. 364-300.000.
- I.P.D. Systems Limited: *See—*
  - Yarnell, Ian R., 4,848,964, Cl. 405-154.000.
- I.PI.CI. S.p.A.: *See—*
  - Ravetta, Guido, 4,876,388, Cl. 564-437.000.
- I Poijarvi, Jaakko T.: *See—*
  - Talonen, Timo T.; I Poijarvi, Jaakko T.; and Metsarinta, Maija-Leena, 4,861,577, Cl. 423-577.000.
- I.S.A.P. SpA (Industrie Specializzate Articoli Plastici): *See—*
  - Padovani, Pietro, 4,867,313, Cl. 206-519.000.
- I.S.C. Chemicals Limited: *See—*
  - Davis, Stanley S.; and Wotton, David E. M., 4,859,363, Cl. 252-312.000.
- I.S.F. Societa Per Azioni: *See—*
  - Farina, Carlo; Pinza, Mario; Cerri, Alberto; and Parravicini, Francesco, 4,873,328, Cl. 544-239.000.
  - Pinza, Mario; and Pfeiffer, Ugo C., 4,797,496, Cl. 548-544.000.
  - Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, 4,868,313, Cl. 548-544.000.
- I.S.S. (U.S.A.) Inc.: *See—*
  - Gratton, Enrico, 4,840,485, Cl. 356-317.000.
- I.V.P. Co.: *See—*
  - Kershaw, Charles H., 4,839,515, Cl. 250-227.000.
- I. Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Aljuminievoi, Magnievoi I Elektrodnoi Promyshlennosti: *See—*
  - Ivchenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., 4,808,375, Cl. 420-548.000.
- I.W.II. Co., Inc.: *See—*
  - Hickham, I. Wilburn, Jr., 4,815,994, Cl. 440-62.000.
- I.W. Industries, Inc.: *See—*
  - Antoniello, Frank, 4,815,703, Cl. 251-251.000.
  - Antoniello, Frank, 4,876,749, Cl. 4-295.000.
  - Snow, Richard K.; and Ellisor, Milton W., Jr., 4,876,896, Cl. 73-827.000.
- I, Yoshihiro: *See—*
  - Obata, Kenji; Yoneda, Nobuhiko; Kataita, Masabumi; I, Yoshihiro; and Yamashita, Hironori, 4,812,203, Cl. 159-6.200.
- Iaccheri, Ennio; and Piro, Paola, to Boehringer Biochemia Robin, S.p.A. Diagnostic method for the evaluation of clinical parameters by direct collection of biological materials and device for its accomplishment. 4,842,995, 6-27-89, Cl. 435-5.000.
- Iacobelli, Franco: *See—*
  - Michael, Martin S.; Kanhere, Prashant A.; Burnley, Richard P.; Iacobelli, Franco; and Chien, Ta-Wei, 4,823,312, Cl. 364-900.000.
- Iacobucci, Anthony M.; and Douthit, Donald E. Mortician's portable rack. 4,843,690, 7-4-89, Cl. 27-21.100.
- Iacoponi, Michael J.: *See—*
  - Seefeldt, David F.; Iacoponi, Michael J.; and Vail, David K., Jr., 4,864,381, Cl. 357-45.000.
- Iacovangelo, Charles D.; and Zarnoch, Kenneth P., to General Electric Company. Electroless gold plating composition and method for plating. 4,863,766, 9-5-89, Cl. 427-443.100.
- Iacoviello, John G.: *See—*
  - Goldstein, Joel E.; Iacoviello, John G.; Hawn, Gary G.; and Cook, Gerald R., 4,844,970, Cl. 428-198.000.
- Iadipaolo, Rene M., to General Motors Corporation. Video processor. 4,829,380, 5-9-89, Cl. 358-166.000.
- Iafrate, Gerald J.; Poli, Louis C.; Aucoin, Thomas; and Heath, Linda S., to United States of America, Army. Dual channel high electron mobility field effect transistor. 4,821,093, 4-11-89, Cl. 357-22.000.
- Iafrate, Gerald J.: *See—*
  - Au Coin, Thomas R.; Braddock, Walter D., IV; and Iafrate, Gerald J., 4,883,769, Cl. 437-110.000.
- Iafrate, John A. Cylindrical screen separator with spirally arranged clearing and conveying blades. 4,839,035, 6-13-89, Cl. 209-300.000.
- Iaia, Thomas C., Jr.; McLaughlin, William J.; and Siegel, Robert P., to Xerox Corporation. Document handler vacuum belt platen transport system. 4,825,255, 4-25-89, Cl. 355-76.000.
- Iaia, Thomas C., Jr.; Herley, James A.; Male, Roger C.; McLaughlin, William J.; McKeown, Douglas A.; Schaffer, Robert W.; Siegel, Robert P.; and Spehrly, Charles W., Jr., to Xerox Corporation. Document handler vacuum belt platen transport clamping system. 4,831,419, 5-16-89, Cl. 355-76.000.
- Iaia, Thomas C., Jr.: *See—*
  - Dodd, Colin R.; Iaia, Thomas C., Jr.; and McLaughlin, William J., 4,813,660, Cl. 271-11.000.
- Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, to Superspine, Inc. Device permitting a user to simulate crawling motions to improve movement of the truncal muscles and spine. 4,799,475, 1-24-89, Cl. 128-25.00R.
- Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, to Superspine, Inc. Method for manipulation of a person's truncal muscles and spine. 4,846,465, 7-11-89, Cl. 272-127.000.
- Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, to Superspine, Inc. Device for providing enhanced movement of a person's truncal muscles and spine. 4,858,918, 8-22-89, Cl. 272-127.000.
- Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, to Superspine, Inc. Device permitting a user to simulate crawling motions to improve movement of the truncal muscles and spine. 4,886,050, 12-12-89, Cl. 128-25.00R.
- Iandoli, Kenneth J.: *See—*
  - Rosen, Marvin; and Iandoli, Kenneth J., 4,844,891, Cl. 424-76.400.
- Iannucci, Paul V.: *See—*
  - Gaskill, David M.; and Iannucci, Paul V., 4,811,036, Cl. 346-76.0PH.
- Iannuzzelli, Vincent F.: *See—*
  - Burnett, Thomas W.; Clary, Thomas R.; Iannuzzelli, Vincent F.; and Kremer, Carl P., Jr., 4,880,989, Cl. 250-506.100.
- Ianuzzi, Joseph N. Vertical oscillating spindle sanders. 4,821,457, 4-18-89, Cl. 51-34.00H.
- Iaslovits, Michael, to Safetray, Inc. Stemware holder. 4,860,895, 8-29-89, Cl. 206-426.000.
- IAT Corporation: *See—*
  - Heath, Bruce A., 4,804,101, Cl. 220-20.000.
- Iati, James S. Motor vehicle with finger guard. 4,804,223, 2-14-89, Cl. 296-152.000.
- Iatroban, Ltd.: *See—*
  - Glick, Michael A., 4,863,436, Cl. 604-198.000.
- Iatron Laboratories, Inc.: *See—*
  - Takami, Tetuji; Tsubota, Hiroyki; and Ochi, Hisashi, 4,888,289, Cl. 435-15.000.
  - Yamamoto, Yojiro, 4,828,704, Cl. 210-635.000.
- Iba, Akio; and Uchiyama, Shigeru, to Casio Computer Co., Ltd. Electronic stringed instrument. 4,817,484, 4-4-89, Cl. 84-1.160.
- Iba, Yoichi: *See—*
  - Yoshinaga, Makoto; Iba, Yoichi; Miyahara, Noriyuki; Kawasaki, Masami; Morita, Terumasa; and Nagano, Takashi, 4,832,474, Cl. 350-529.000.
- Ibach, Harald; Bruchmann, Heinz-Dieter; and Lehwald, Sieghart, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Process for electron beam guiding with energy selection and electron spectrometer. 4,845,361, 7-4-89, Cl. 250-305.000.
- Ibach, Harald: *See—*
  - Boden, Karl; Ibach, Harald; and Linke, Udo, 4,818,500, Cl. 422-249.000.
- Ibamoto, Masahiko: *See—*
  - Gunji, Yasuhiro; Okada, Sadayuki; Isogai, Masato; Kondo, Kasumi; Ibamoto, Masahiko; Kuwabara, Kazuhiro; and Kanie, Atsushi, 4,836,657, Cl. 350-350.00S.
  - Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.
- Ibane, Isao: *See—*
  - Nariki, Hiroshi; Yuri, Haruyki; and Ibane, Isao, 4,830,169, Cl. 198-345.000.
- Ibanez, Alberto R., to Barbat & Co. Automatic filling machine for siphon bottles. 4,815,505, 3-28-89, Cl. 141-14.000.
- Ibanez, Antonio. Seat belt slack adjusting device. 4,826,250, 5-2-89, Cl. 297-483.000.
- Ibaraki Precision Machinery Co., Ltd.: *See—*
  - Suga, Tadoru, 4,841,715, Cl. 53-547.000.
- Ibarra, Inigo A., to Esperanza y Cia., S.A. Breechblock with firing pin for mortars. 4,864,912, 9-12-89, Cl. 89-27.110.
- Ibarrola, Jesus E., to Azkoyen Industrial, S.A. Tilting multiple passage rectangular block coin sorter. 4,860,877, 8-29-89, Cl. 194-346.000.
- Ibata, Koichi: *See—*
  - Tanaka, Yasuyuki; Ibata, Koichi; Mizuno, Masao; Ninagawa, Yoichi; and Nishida, Takashi, 4,886,904, Cl. 560-249.000.
- IBC Corporation: *See—*
  - Stikeleather, Allan; and Blake, Geoffrey, 4,880,387, Cl. 439-98.000.
- Ibe, Hiromitu: *See—*
  - Shi[illegible], Yoshimichi; Ibe, Hiromitu; Kada, Yasutosi; and Sugishima, Kazushi, 4,862,575, Cl. 29-424.000.
- Ibe, Hiroyuki: *See—*
  - Tanikoshi, Sadao; Ibe, Hiroyuki; and Shibagaki, Taro, 4,795,919, Cl. 307-354.000.
- Ibe, Makoto; and Kochi, Masanori, to Hitachi, Ltd. Balance compensated rotary magnetic head device. 4,823,218, 4-18-89, Cl. 360-104.000.
- Ibe, Makoto: *See—*
  - Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.
- Ibe, Sachiaki, to Zeria Shinyaku Kogyo Kabushiki Kaisha. Cosmetics. 4,818,751, 4-4-89, Cl. 514-54.000.
- Ibe, Takaya: *See—*
  - Sugiura, Koji; and Ibe, Takaya, 4,831,219, Cl. 200-5.00A.
- Ibex Scaffolding Limited: *See—*
  - Szucs, Andras, 4,815,249, Cl. 52-638.000.
- Ibiden Co., Ltd.: *See—*
  - Sato, Yasuyuki; Saito, Shinji; and Yamauchi, Hidetoshi, 4,882,455, Cl. 174-68.500.
  - Tsukada, Kiyotaka, 4,846,673, Cl. 432-5.000.
- Ibishev, Kanat S.: *See—*
  - Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.
- Ibl, Harald: *See—*
  - Harm, Hartwig; and Ibl, Harald, 4,811,095, Cl. 358-160.000.
- IBM: *See—*
  - Johnson, Alfred H.; Pohl, Peter; Prauer, Heinz; and Schulz, Dietmar, 4,798,430, Cl. 350-96.200.
- Ibolyka, Edit Tavasz Fodor nee, heir: *See—*
  - Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
- Ibos, Marc: *See—*
  - Malinet, Frederic; and Ibos, Marc, 4,831,871, Cl. 73-151.500.
- IBP, Inc.: *See—*
  - Couture, William F., 4,873,749, Cl. 17-50.000.
- IBP Pietzsch GmbH: *See—*
  - Pietzsch, Ludwig; Senger, Detlef; Winter, Horst; and Vollinger, Hubert, 4,876,600, Cl. 358-183.000.
- Ibragimov, Oktai I. O., deceased: *See—*
  - Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.
- Ibragimova, Samaya N. K., administrator: *See—*
  - Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.
- Ibrahim, Abdo K.: *See—*
  - Zimmerman, George O.; and Ibrahim, Abdo K., 4,837,377, Cl. 423-448.000.
- Ibrahim, Faik K., to United Technologies Electro Systems, Inc. Non-commutated linear motor. 4,858,452, 8-22-89, Cl. 70-275.000.
- Ibrahim, Ibrahim M.: *See—*
  - Kapadia, Indu; and Ibrahim, Ibrahim M., 4,816,028, Cl. 623-1.000.
- Ibrahim, Jameel: *See—*
  - Allen, Robert H.; and Ibrahim, Jameel, 4,851,297, Cl. 428-570.000.
- Ibrahim, Nabil A. Method of forming a custom orthotic device. 4,813,090, 3-21-89, Cl. 12-142.00N.
- Ibrahim, Nader, to Beecham Inc. Liquid detergent fabric conditioning compositions. 4,873,002, 10-10-89, Cl. 252-8.800.
- Ibsen, Robert L.; and Glace, William R., to Den-Mat Corporation. Microfilled dental composite and method for making it. 4,859,716, 8-22-89, Cl. 522-14.000.
- Ibuchi, Yoshiaki, to Sharp Kabushiki Kaisha. Selective charge removal system for copier. 4,843,427, 6-27-89, Cl. 355-218.000.
- Ibuki, Koji: *See—*
  - Takasuka, Koji; and Ibuki, Koji, 4,882,682, Cl. 364-507.000.
- Ibuki, Masahisa; Sugai, Hiroshi; and Wakui, Masanori, to Dai-Ichi Kogyo Seiyaku Co., Ltd. Moist pellet feed for breeding fish. 4,863,754, 9-5-89, Cl. 426-643.000.
- ICE Cryogenic Engineering Ltd.: *See—*
  - Kushnir, Mark, 4,862,695, Cl. 62-6.000.
  - Unger, Rueven Z.; and Kushnir, Mark, 4,852,356, Cl. 62-6.000.
- Ice-Pack Service AG: *See—*
  - Folkmar, Jan, 4,811,465, Cl. 24-30.50R.
  - Folkmar, Jan, 4,887,335, Cl. 24-30.50R.
- ICEE-USA Corporation: *See—*
  - Sexton, Rodney N.; Woolf, Floyd S. [illegible]d Ruud, Timothy W., 4,854,743, Cl. 384-130.000.
  - Sexton, Rodney N.; and Woolf, Floyd S., 4,854,923, Cl. 474-84.000.
  - Sexton, Rodney N.; Woolf, Floyd S.; and Ruud, Timothy W., 4,869,072, Cl. 62-136.000.
- Icenogle, Ronald D.; and Djiauw, Lie K., to Shell Oil Company. Low smoke polypropylene insulation compositions. 4,853,154, 8-1-89, Cl. 252-602.000.
- Icenogle, Ronald D.: *See—*
  - Djiauw, Lie K.; and Icenogle, Ronald D., 4,859,366, Cl. 252-602.000.
- Icentia Patent-Verwaltungs-GmbH: *See—*
  - Herzog, Hans-Joest; Jorke, Helmut; and Kibbel, Horst, 4,843,028, Cl. 437-81.000.
- Ichiba, Masao: *See—*
  - Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; Ichiba, Masao; Tachihara, Fumituga; and Awajitani, Takahisa, 4,826,744, Cl. 429-206.000.
  - Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; and Ichiba, Masao, 4,880,435, Cl. 29-623.500.
- Ichiba, Tadayuki: *See—*
  - Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.
- Ichiba, Yoshiyuki: *See—*
  - Ueda, Yutaka; Kawamura, Shuzo; Yamauchi, Toshio; and Ichiba, Yoshiyuki, 4,830,296, Cl. 242-18.00R.
- Ichibiki Co., Ltd.: *See—*
  - Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.
- Ichibori, Keiji; Matsumoto, Takaharu; and Kanabara, Youichi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Flame-retarded composite fiber. 4,863,797, 9-5-89, Cl. 428-359.000.
- Ichida, Kozaburo; Yamaguchi, Susumu; and Chikazawa, Bunichiro, to Nippon Steel Corporation. Continuous mill plant for rolling steel plates. 4,882,923, 11-28-89, Cl. 72-249.000.
- Ichida, Kozaburo: *See—*
  - Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, 4,872,245, Cl. 29-81.00A.
- Ichida, Shinshichi: *See—*
  - Nakahashi, Yoshinao; Osada, Soichi; Shimizu, Chuji; and Ichida, Shinshichi, 4,852,572, Cl. 128-640.000.
- Ichida, Toshio: *See—*
  - Muko, Ryoichi; Mochizuki, Kazuo; Kimura, Hajime; Ichida, Toshio; and Kobayashi, Shigeru, 4,834,845, Cl. 204-28.000.
  - Ogata, Hajime; Nakakouji, Hisatada; Hamahara, Kyoko; Mochizuki, Kazuo; and Ichida, Toshio, 4,832,800, Cl. 204-28.000.
- Ichidate, Minoru: *See—*
  - Shigematsu, Tatsuhiko; Ichidate, Minoru; Shiotani, Chitose; and Tozawa, Yohzi, 4,846,884, Cl. 75-3.000.
- Ichie, Tsugumi; and Ando, Minoru, to NGK Spark Plug Co., Ltd. Method of making terminal nut for ignition plug by plastic working. 4,882,925, 11-28-89, Cl. 72-356.000.
- Ichien, Naoki: *See—*
  - Ide, Yuichi; Nukushina, Harunobu; and Ichien, Naoki, 4,843,384, Cl. 340-825.690.
- Ichiga, Hiroyasu; Tsutsumi, Kiyoshi; and Tsujikawa, Nobuto, to West Electric Company, Ltd. Discharge lamp with base for sealing the lamp. 4,866,341, 9-12-89, Cl. 313-623.000.
- Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuho; Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, to Sony Corporation. Color cathode-ray tube with electron beam selection mask support structure. 4,798,992, 1-17-89, Cl. 313-406.000.
- Ichihara, Akinobu: *See—*
  - Yokota, Kinya; and Ichihara, Akinobu, 4,814,514, Cl. 568-608.000.
- Ichihara, Akira, to Alps Electric Co., Ltd. Speed control apparatus for motor. 4,845,412, 7-4-89, Cl. 388-832.000.
- Ichihara, Akira: *See—*
  - Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
- Ichihara, Isao: *See—*
  - Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.
- Ichihara, Issey; and Toshimitsu, Kenshi, to Kabushiki Kaisha Toshiba. Particle dispensing apparatus. 4,832,233, 5-23-89, Cl. 222-201.000.
- Ichihara, Issey; Toshimitsu, Kenshi; and Tachibana, Natsuki, to Kabushiki Kaisha Toshiba. Image forming apparatus and method. 4,862,213, 8-29-89, Cl. 355-245.000.
- Ichihara, Junichi, to Fujitsu Limited. Magnetic bias coil for a magneto-optical recording apparatus. 4,890,178, 12-26-89, Cl. 360-114.000.
- Ichihara, Katsutarou; Yasuda, Nobuaki; Terashima, Yoshiaki; and Shimanuki, Senji, to Kabushiki Kaisha Toshiba. Magneto-optical recording medium and manufacturing thereof. 4,832,980, 5-23-89, Cl. 427-38.000.
- Ichihara, Masaki, to NEC Corporation. Device operable like an automatic level control circuit for decoding a multivalued signal. 4,841,301, 6-20-89, Cl. 341-126.000.
- Ichihara, Takashi, to Kabushiki Kaisha Toshiba. Image processing for photographing scintigram of subject on X-ray film at optimum density. 4,864,500, 9-5-89, Cl. 364-413.240.
- Ichihara, Takashi, to Kabushiki Kaisha Toshiba. Scintillation camera compensation for shifting the center channel of the energy spectrum

due to photomultiplier gain change. 4,866,615, 9-12-89, Cl. 364-413.240.

Ichihara, Takeo; Futami, Takashi; Oda, Nobutaka; and Watanabe, Shuichi, to Stanley Electric Co., Ltd. Headlamp for vehicles. 4,825,344, 4-25-89, Cl. 362-80.000.

Ichihara, Terutoshi: *See—*

Koizumi, Sachio; and Ichihara, Terutoshi, 4,844,942, Cl. 427-111.000.

Ichihara, Yoshihiro: *See—*

Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; Sugiura, Tsutomu; and Ichihara, Yoshihiro, 4,867,913, Cl. 260-397.450.

Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; and Ichihara, Yoshihiro, 4,867,914, Cl. 260-397.470.

Ichihara, Yoshinobu: *See—*

Kano, Taisaku; Kobayahsi, Nobuki; and Ichihara, Yoshinobu, 4,806,600, Cl. 525-206.000.

Ichihara, Yoshiyuki: *See—*

Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Sizuo; and Ichihara, Yoshiyuki. 4,814,895, Cl. 358-229.000.

Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Shizuo; and Ichihara, Yoshiyuki, 4,835,600, Cl. 358-51.000.

Ichihara, Yutaka, to Nikon Corporation. Illumination device using a laser. 4,851,973, 7-25-89, Cl. 362-268.000.

Ichihashi, Kazuaki: *See—*

Tamura, Naoyuki; Kamohara, Hideaki; Kanai, Norio; and Ichihashi, Kazuaki, 4,810,473, Cl. 422-247.000.

Ichihashi, Kouji, to Diesel Kiki Co., Ltd. Solenoid valve. 4,809,749, 3-7-89, Cl. 137-625.650.

Ichihashi, Kouji, to Diesel Kiki Co., Ltd. Electromagnetic valve with two opposed valve seats. 4,844,122, 7-4-89, Cl. 137-625.650.

Ichihashi, Kouji; and Inaba, Akira, to Diesel Kiki Co., Ltd. Electromagnetic control valve. 4,860,792, 8-29-89, Cl. 137-596.170.

Ichihashi, Kouji; and Yasuma, Jun-ichi, to Diesel Kiki Co., Ltd. Electromagnetic proportional control valve apparatus. 4,875,501, 10-24-89, Cl. 137-625.640.

Ichihashi, Mitsuyoshi: *See—*

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,826,621, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Takeshita, Fusayuki; Kikuchi, Makoto; and Furukawa, Kenji, 4,882,083, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,882,086, Cl. 252-299.610.

Ichihashi, Noriaki, to JEOL Ltd. Apparatus for detecting focused condition of charged particle beam. 4,804,840, 2-14-89, Cl. 250-310.000.

Ichihashi, Tadashi, to Kowa Company Ltd. Ophthalmic disease detection apparatus. 4,832,043, 5-23-89, Cl. 128-745.000.

Ichihashi, Tadashi; and Kawamura, Masunori, to Kowa Company Ltd. Ophthalmic measuring method and apparatus. 4,838,683, 6-13-89, Cl. 351-221.000.

Ichihashi, Tadashi; Kakizawa, Koichiro; and Kawamura, Masunori, to Kowa Company Ltd. Ophthalmic disease detection apparatus. 4,854,693, 8-8-89, Cl. 351-221.000.

Ichihashi, Tadashi; and Kawamura, Masunori, to Kowa Company Ltd. Slit lamp microscope. 4,877,321, 10-31-89, Cl. 351-214.000.

Ichihashi, Takao: *See—*

Yamamoto, Haruo; and Ichihashi, Takao, 4,827,283, Cl. 355-14.00E.

Yamamoto, Haruo; Ichihashi, Takao; Fujisawa, Shuji; Tone, Eiichi; and Tsuda, Takeshi, 4,860,053, Cl. 355-245.000.

Ichihashi, Toshiaki: *See—*

Imasaki, Kenji; Ichihashi, Toshiaki; and Sasaki, Masafumi, 4,839,922, Cl. 380-15.000.

Ichihashi, Toshihiko, to Idemitsu Kosan Co., Ltd. Lubricating oil composition having improved temperature characteristics. 4,853,139, 8-1-89, Cl. 252-32.70E.

Ichii, Masaru; Tani, Shigeru; and Fukuda, Kozo, to Nisshinbo Industries, Inc. Method of producing plastic sheet with porous surface. 4,849,457, 7-18-89, Cl. 521-62.000.

Ichijima, Akira, to Kabushiki Kaisha Toshiba. Positioning device for an automatic changing apparatus employing and absolute encoder. 4,805,049, 2-14-89, Cl. 360-71.000.

Ichijima, Seiji; and Hirano, Shigeo, to Fuji Photo Film Co., Ltd. Silver halide photographic material containing a development restrainer or a precursor thereof. 4,814,261, 3-21-89, Cl. 430-544.000.

Ichijima, Seiji; Usui, Hideo; and Yamada, Kohzaburoh, to Fuji Photo Film Co., Ltd. Silver halide color photographic materials. 4,818,668, 4-4-89, Cl. 430-505.000.

Ichijima, Seiji; and Mihayashi, Keiji, to Fuji Photo Film Co., Ltd. Silver halide color photographic material containing pyrazoloazole coupler and DIR compound. 4,824,772, 4-25-89, Cl. 430-544.000.

Ichijima, Seiji; Shimada, Yasuhiro; and Arakawa, Jun, to Fuji Photo Film Co., Ltd. Silver halide photographic materials comprising non-diffusible photographically useful compounds. 4,837,136, 6-6-89, Cl. 430-543.000.

Ichijima, Seiji: *See—*

Abe, Akira; Mihayashi, Keiji; and Ichijima, Seiji, 4,873,179, Cl. 430-382.000.

Nakamura, Koki; Sakanoue, Kei; and Ichijima, Seiji, 4,886,736, Cl. 430-359.000.

Ono, Mitsunori; Tamoto, Koji; Mihayashi, Keiji; Ichijima, Seiji; Itoh, Isamu; and Nakamura, Yoshisada, 4,842,985, Cl. 430-226.000.

Sakanoue, Kei; Ichijima, Seiji; and Kishimoto, Shinzo, 4,812,389, Cl. 430-382.000.

Sakanoue, Kei; and Ichijima, Seiji, 4,842,994, Cl. 430-543.000.

Shiba, Keisuke; Ichijima, Seiji; Sakanoue, Kei; and Taguchi, Seiichi, 4,880,726, Cl. 430-376.000.

Shimada, Yasuhiro; Fukuzawa, Hiroshi; and Ichijima, Seiji, 4,883,746, Cl. 430-504.000.

Ueda, Shinji; Mihayashi, Keiji; and Ichijima, Seiji, 4,818,664, Cl. 430-430.000.

Ichijo, Chikara: *See—*

Mori, Yoichi; Abiko, Shigeo; Tsuda, Mikio; and Ichijo, Chikara, 4,853,313, Cl. 430-156.000.

Ichijo, Toshihiro: *See—*

Kittaka, Hirokazu; Nishizaki, Akihiko; and Ichijo, Toshihiro, 4,849,150, Cl. 264-258.000.

Ichijyo, Hiroshi, to Kabushiki Kaisha Kenwood. Sweep circuit for oscilloscope. 4,812,717, 3-14-89, Cl. 315-367.000.

Ichijyo, Hiroshi, to Kabushiki Kaisha Kenwood. Voltage difference measuring equipment. 4,843,307, 6-27-89, Cl. 324-103.00P.

Ichikawa, Akira: *See—*

Tazaki, Yuichi; Ishigami, Osamu; Ichikawa, Akira; Yoshino, Daijyu; and Soyama, Akira, 4,846,938, Cl. 204-11.000.

Ichikawa, Atsushi; Ito, Masamichi; and Saito, Akira, to Hitachi, Ltd. Apparatus for driving objective lens. 4,838,649, 6-13-89, Cl. 350-247.000.

Ichikawa, Eiji: *See—*

Kakimoto, Shigeya; Sumino, Yasuhiro; Yamada, Hideaki; Imayama, Satoshi; Ichikawa, Eiji; and Suizu, Tetsuyoshi, 4,844,911, Cl. 426-11.000.

Ichikawa, Hachiro; Oguni, Masanori; Murase, Akira; Horiba, Haruo; Sakamoto, Kenichi; and Kanehara, Mikio, to Nippon Light Metal Co., Ltd. Process for producing an aluminum nitride powder. 4,851,207, 7-25-89, Cl. 423-412.000.

Ichikawa, Hajime: *See—*

Uehara, Makoto; Ichikawa, Hajime; Yomoto, Masahiko; and Kato, Shigeru, 4,859,832, Cl. 219-411.000.

Yomoto, Masahiko; Uehara, Makoto; Ichikawa, Hajime; and Kato, Shigeru, 4,890,245, Cl. 364-557.000.

Ichikawa, Haruo; Kanno, Ryoichi; and Nakatsukasa, Masato. Interchangeable drum unit interchange system. 4,887,529, 12-19-89, Cl. 101-181.000.

Ichikawa, Haruo; Kanno, Ryoichi; and Kiyomiya, Masayuki, to Miyakoshi Printing Machinery Co., Ltd. Interchangeable drum unit type rotary printing machine. 4,887,531, 12-19-89, Cl. 101-216.000.

Ichikawa, Hiroaki: *See—*

Sano, Harunobu; Ichikawa, Hiroaki; Nishioka, Goro; and Sakabe, Yukio, 4,820,670, Cl. 501-136.000.

Ichikawa, Hiroyuki, to Canon Kabushiki Kaisha. Imgae processing apparatus. 4,878,126, 10-31-89, Cl. 358-451.000.

Ichikawa, Hitoshi: *See—*

Motoyama, Kazuyasu; Yanagida, Tsuneo; Sakai, Mitsugu; Ichikawa, Hitoshi; and Yoshizawa, Akihiko, 4,837,758, Cl. 369-13.000.

Ichikawa, Izumi: *See—*

Ogiwara, Satoshi; Ichikawa, Izumi; Imano, Haruo; and Miura, Genmei, 4,864,651, Cl. 455-617.000.

Ichikawa, Katsuhiro: *See—*

Miyasaka, Matsuho; Ichikawa, Katsuhiro; Sasaki, Katsumi; Mizobuchi, Syotaro; and Ogure, Naoaki, 4,861,395, Cl. 148-321.000.

Ichikawa, Katsumi; and Sakon, Touhachiro, to Kabushiki Kaisha Kobe Seiko Sho; and Sumitomogomu Kougyo Kabushiki Kaisha. Tire centering and removal device for a tire vulcanizing press. 4,834,636, 5-30-89, Cl. 425-38.000.

Ichikawa, Katsumi: *See—*

Fujieda, Yasuhiko; and Ichikawa, Katsumi, 4,804,318, Cl. 425-34.100.

Kudou, Makoto; and Ichikawa, Katsumi, 4,861,422, Cl. 156-640.000.

Ichikawa, Katumi; Amano, Itaru; Hujieda, Yasuhiko; Misumi, Shikao; Hukumura, Seisuke; and Miyauchi, Hideo, to Kabushiki Kaisha Kobe Seiko Sho. Tire vulcanizing press. 4,874,303, 10-17-89, Cl. 425-28.100.

Ichikawa, Kazuharu, to Fuji Jukogyo Kabushiki Kaisha. Diagnosing system for an exhaust gas recirculation system of an automotive engine. 4,823,798, 4-25-89, Cl. 123-571.000.

Ichikawa, Ken-ichi: *See—*

Tamura, Masafumi; Ichikawa, Ken-ichi; and Kageyama, Satoshi, 4,852,184, Cl. 382-48.000.

Ichikawa, Kenji; Tsukamoto, Noboru; Iwado, Hitoshi; and Iida, Eishi, to Shinagawa Refractories Co., Ltd. Carbon containing refractory. 4,830,992, 5-16-89, Cl. 501-100.000.

Ichikawa, Kenji; Nomura, Osamu; Kawabe, Yoichiro; and Yanagawa, Koyo, to Shinagawa Refractories Co., Ltd. Mould additive for continuous casting of steel. 4,842,647, 6-27-89, Cl. 106-38.200.

Ichikawa, Kenji, to Ikeda Bussan Co., Ltd. Power reclining device of seat. 4,880,274, 11-14-89, Cl. 297-362.000.

Ichikawa, Kiyomichi, to Autostamp Institution Limited. Cost counter with a cost meter capable of reading stored data. 4,843,560, 6-27-89, Cl. 364-464.020.

Ichikawa, Kiyoshi; Ishizuka, Satoshi; and Yamamoto, Shinji, to Agency of Industrial Science and Technology; and Suzuki Motor Co., Ltd. Method for making hypereutetic Al-Si alloy composite materials. 4,865,808, 9-12-89, Cl. 428-548.000.

Ichikawa, Koji; Soga, Norikazu; and Ohnishi, Hirofumi, to Fuji Photo Film Co., Ltd. Liquid level detecting device. 4,864,856, 9-12-89, Cl. 73-290.00V.

Ichikawa, Koji: *See—*

Yamaguchi, Kiyoshi; Yamazaki, Seiichi; and Ichikawa, Koji, 4,817,023, Cl. 364-525.000.

Ichikawa, Kouji: *See—*

Tanigawa, Motoshi; Dohi, Hidehiko; Nishimura, Takashi; Ichikawa, Kouji; and Koishi, Tetsuo, 4,877,071, Cl. 152-165.000.

Ichikawa, Kyoko; Aoki, Makoto; and Takiguchi, Hideo, to Canon Kabushiki Kaisha. Method of ink jet recording and ink jet recording apparatus. 4,855,753, 8-8-89, Cl. 346-1.100.

Ichikawa, Makoto; Takahashi, Kaneo; Tokomoto, Mitsuo; Zaita, Hironori; Kooyama, Kazunori; Ureshino, Kashiro; and Yoshida, Katsuhiko, to Kabushiki Kaisha Kobe Seiko Sho; and Shimizu Kensetsu Kabushiki Kaisha. Apparatus for demolishing a reactor shield wall. 4,813,313, 3-21-89, Cl. 82-128.000.

Ichikawa, Masaaki: *See—*

Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.

Ichikawa, Masaki; Watanabe, Sumio; and Miyake, Yasuo, to Eisai Co., Ltd. Granule remaining in stomach. 4,844,905, 7-4-89, Cl. 424-451.000.

Ichikawa, Mitsuhiko: *See—*

Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.

Ichikawa, Munehiro: *See—*

Nagano, Suketoshi; Ichikawa, Munehiro; and Yoneyama, Takashi, 4,825,181, Cl. 335-205.000.

Ichikawa, Norihito; Oda, Osamu; Amano, Toshio; and Someya, Ikuo, to Sony Corporation. Video display system with selective display of operating conditions. 4,821,102, 4-11-89, Cl. 358-183.000.

Ichikawa, Norihito; Someya, Ikeo; Oda, Osamu; and Amano, Toshio, to Sony Corporation. Video source selecting system. 4,841,367, 6-20-89, Cl. 358-181.000.

Ichikawa, Norio; Itsuji, Takayuki; and Miki, Masayuki, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Air fuel ratio measuring system. 4,799,018, 1-17-89, Cl. 324-465.000.

Ichikawa, Noriyoshi: *See—*

Ikeda, Hiroshi; Umemura, Shinichiro; Ishikawa, Shizuo; Katakura, Kageyoshi; Ichikawa, Noriyoshi; and Mitake, Tsuyoshi, 4,803,993, Cl. 128-660.010.

Ichikawa, Rinjiro; and Ishida, Toshio, to Toyoboseki Kabushiki Kaisha; and Fujimori Kogyo Co., Ltd. Electrode plates for liquid crystal display panels. 4,802,742, 2-7-89, Cl. 350-339.00R.

Ichikawa, Sachiko: *See—*

Imataki, Hiroyuki; Hiraoka, Mizuho; Ichikawa, Sachiko; Ogawa, Yoshihiro; and Yoshino, Hitoshi, 4,871,649, Cl. 430-270.000.

Ichikawa, Sadao: *See—*

Yamada, Tetsusyo; and Ichikawa, Sadao, 4,839,018, Cl. 204-425.000.

Ichikawa, Seishiro: *See—*

Sano, Takao; Ogasawara, Masafumi; and Ichikawa, Seishiro, 4,833,758, Cl. 19-304.000.

Ichikawa, Shingo: *See—*

Ishida, Yoshihiro; Iinuma, Yoshio; and Ichikawa, Shingo, 4,868,634, Cl. 357-68.000.

Ichikawa, Shinichi; Yoshida, Unkichi; Matsushima, Yoshihisa; and Hashimoto, Hisatake, to Tonen Sekiyukagaku Kabushiki Kaisha. Process for removing arsenic from a petroleum fraction. 4,839,029, 6-13-89, Cl. 208-251.00R.

Ichikawa, Shunji: *See—*

Nakamura, Joji; Kubo, Kazuhiro; Ichikawa, Shunji; Takahashi, Hajime; Isozumi, Keisuke; and Yamada, Toyofumi, 4,824,842, Cl. 514-227.500.

Ichikawa, Toshiro: *See—*

Kobayashi, Hiroshi; and Ichikawa, Toshiro, 4,862,063, Cl. 324-61.00P.

Ichikawa, Toshiyuki: *See—*

Yamazaki, Kozo; Ichikawa, Toshiyuki; Ikeda, Hiroyuki; Inagaki, Takefumi; Aritake, Hirokazu; and Yamagishi, Fumio, 4,848,862, Cl. 350-3.710.

Ichikawa, Tsutomu: *See—*

Hosomizu, Hiroshi; Ichikawa, Tsutomu; Kamiya, Makoto; Yoneyama, Masatoshi; and Tuzi, Kenzi, 4,839,686, Cl. 354-416.000.

Tsuji, Kenji; Ichikawa, Tsutomu; and Hosomizu, Hiroshi, 4,816,854, Cl. 354-413.000.

Ichikawa, Wataru; and Matsuki, Yuji, to Kabushiki Kaisha SG. Absolute linear position detection device. 4,879,555, 11-7-89, Cl. 341-13.000.

Ichikawa Woolen Textile Co., Ltd.: *See—*

Yarita, Takao; Komori, Hideo; Ogasawara, Koji; and Takami, Hiroaki, 4,877,061, Cl. 139-224.00R.

Ichikawa, Yataro: *See—*

Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,838,923, Cl. 71-86.000.

Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,845,264, Cl. 560-053.000.

Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; Yamaji, Teizo; and Ichikawa, Yataro, 4,846,877, Cl. 71-92.000.

Hamamoto, Kimihiko; Tokashiki, Michiyuki; Ichikawa, Yataro; Arai, Takami; and Ishimaru, Kenji, 4,814,278, Cl. 435-286.000.

Hiramatsu, Toshiyuki; Azuma, Shizuo; Nakagawa, Koji; and Ichikawa, Yataro, 4,812,163, Cl. 71-92.000.

Morinaga, Tsuto; Miura, Kin-ichiro; Shimotohno, Kunitada; Ikegami, Masato; and Ichikawa, Yataro, 4,855,237, Cl. 435-320.000.

Ichikawa, Yoshiaki; Senoh, Makoto; Tsuchita, Kenji; Koizumi, Akira; and Iwama, Kunihiko, to Hitachi, Ltd. Method and apparatus for controlling refuelling machine of reactor. 4,824,633, 4-25-89, Cl. 376-268.000.

Ichikawa, Yoshiaki; Senoh, Makoto; Suzuki, Masanori; Kamimura, Hiroshi; Tomizawa, Fumio; Sugiyama, Sakae; and Sasaki, Masayoshi, to Hitachi, Ltd. Method and apparatus for master-slave manipulation supplemented by automatic control based on level of operator skill. 4,837,734, 6-6-89, Cl. 364-513.000.

Ichikawa, Yoshiaki: *See—*

Naito, Shinji; Tsuchita, Kenji; Ichikawa, Yoshiaki; Sato, Chikara; and Kajiyama, Shigeru, 4,828,059, Cl. 180-119.000.

Ichikawa, Yuh-Ichiro: *See—*

Shiozawa, Akira; Ichikawa, Yuh-Ichiro; and Takahira, Takashi, 4,841,051, Cl. 544-287.000.

Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Polyarylene thiother composition. 4,820,759, 4-11-89, Cl. 524-413.000.

Ichikawa, Yukio; Kaneko, Takashi; Satake, Yoshikatsu; and Katto, Takayuki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Polyarylene thioether composition containing polyarylene ether nucleating agent. 4,837,294, 6-6-89, Cl. 528-388.000.

Ichikawa, Yukio; and Katto, Takayuki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Composition of polyarylene thioether. 4,859,734, 8-22-89, Cl. 524-447.000.

Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Polyarylene thioether of high crystallizing rate and a process for producing the same. 4,868,240, 9-19-89, Cl. 524-609.000.

Ichiki, Masaaki: *See—*

Shiraishi, Masaaki; Ichiki, Masaaki; and Shibata, Kazuhiko, 4,805,155, Cl. 367-7.000.

Ichiki, Mikio: *See—*

Hamamoto, Atsushi; and Ichiki, Mikio, 4,879,843, Cl. 49-158.000.

Ichiki, Tetsuji, to Yamaha Corporation. Electronic musical instrument with editing of tone data. 4,882,963, 11-28-89, Cl. 84-1.010.

Ichikoh Engineering, Ltd.: *See—*

Osaki, Kouichi, 4,802,401, Cl. 91-44.000.

Ichikoh Industries Ltd.: *See—*

Aikawa, Toyoshi; and Sekine, Eiichi, 4,878,743, Cl. 350-357.000.

Fujiki, Hiroyuki; Michiura, Yoshiharu; and Inoue, Kiyoshi, 4,874,645, Cl. 428-31.000.

Iwamoto, Miyoshi, 4,870,544, Cl. 362-66.000.

Kato, Akio; and Naito, Hideo, 4,860,174, Cl. 362-61.000.

Kyoden, Tatsuo, 4,816,662, Cl. 200-5.00R.

Nakata, Yutaka, 4,814,950, Cl. 362-61.000.

Nakata, Yutaka, 4,825,343, Cl. 362-61.000.

Nakata, Yutaka, 4,878,161, Cl. 362-305.000.

Shimura, Kiichiro, 4,833,376, Cl. 318-286.000.

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Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased, 4,879,636, Cl. 362-61.000.

Ichimoto, Takehiko: *See—*

Akao, Masaru; Okamoto, Yoshio; Manba, Akio; and Ichimoto, Takehiko, 4,800,034, Cl. 252-56.00S.

Ichimura, Eiichi: *See—*

Sasaki, Takayuki; Ueno, Katsuhiko; Ichimura, Eiichi; and Kodama, Yasumasa, 4,816,928, Cl. 360-35.100.

Ichimura, Hiroshi: *See—*

Negishi, Ichiro; Nakagaki, Shintaro; and Ichimura, Hiroshi, 4,811,088, Cl. 358-47.000.

Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,855,816, Cl. 358-47.000.

Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,857,995, Cl. 358-47.000.

Ichimura, Masatoshi, to Satoh Seiki Co., Ltd. Device for placing a presser foot in an automatic sewing machine. 4,800,829, 1-31-89, Cl. 112-240.000.

Ichimura, Nobuo: *See—*

Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.

Ichimura, Shigeru; Nakasuna, Seiko; Kawarai, Takeshi; Nishiyama, Takanori; and Toyoshima, Shuji, to Hitachi, Ltd. VTR-integrated camera having playback function with movable lens cover for enabling recording mode and playback mode and method therefor. 4,885,643, 12-5-89, Cl. 358-335.000.

Ichimura, Takeo: *See—*

Kodama, Hiroyuki; Mangyo, Katsumi; and Ichimura, Takeo, 4,812,423, Cl. 501-55.000.

Ichimura, Yasuhiko: *See—*

Ono, Toyoichi; Ono, Yoshihisa; Ichimura, Yasuhiko; and Sakanishi, Shoichi, 4,818,107, Cl. 356-375.000.

Ichimura, Yoshiaki; Ishizuka, Shinichi; Komoto, Mitsuo; and Umesato, Shoji, to Japan Aviation Electronics Industry, Limited; and NEC Corporation. Socket. 4,880,399, 11-14-89, Cl. 439-689.000.

Ichimura, Yoshiaki; Takegawa, Katumi; Mizusawa, Yoshinori; Komoto, Mitsuo; and Umesato, Shoji, to Japan Aviation Electronics Industry, Limited; and NEC Corporation. Connector. 4,887,974, 12-19-89, Cl. 439-259.000.

Ichimura, Yoshiaki: *See—*
  Nakano, Kenichi; Umezawa, Yoshihiro; Tokaichi, Tetsuro; Ichimura, Yoshiaki; and Kawabe, Natsuki, 4,857,001, Cl. 439-68.000.
  Noda, Atsuhito; Ichimura, Yoshiaki; Komoto, Mitsuo; and Umesato, Shoji, 4,832,611, Cl. 439-70.000.
Ichimura, Yukiko: *See—*
  Kozaki, Shyuichi; Ichimura, Yukiko; and Narutako, Yozo, 4,856,975, Cl. 350-341.000.
Ichinari, Joji: *See—*
  Okabe, Yoshimi; Iwamoto, Keiichi; Torichigai, Masaaki; Kaneko, Shozo; Ichinari, Joji; and Koizumi, Kiyoshi, 4,872,347, Cl. 73-634.000.
Ichino, Kazuo: *See—*
  Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takeshi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.
Ichino, Kouji, to Kaijo Denki Co., Ltd. Socket structure for mounting ultrasonic gas flow measuring device with respect to gas flow pipe. 4,823,612, 4-25-89, Cl. 73-861.180.
Ichinohe, Eisuke, to Matsushita Electric Industrial Co., Ltd. Bus circuit for eliminating undesired voltage amplitude. 4,872,161, 10-3-89, Cl. 370-85.100.
Ichinohe, Eisuke: *See—*
  Katsura, Joji; Yamaguchi, Seiji; Tsuji, Kazuhiko; and Ichinohe, Eisuke, 4,820,974, Cl. 324-73.00R.
Ichinokawa, Kazuo; Sato, Yoichi; and Otsuka, Tadashi, to NEC Corporation. Frequency coupling position coordinates determination apparatus. 4,810,838, 3-7-89, Cl. 178-19.000.
Ichinokawa, Kazuo: *See—*
  Ando, Fumio; Ichinokawa, Kazuo; and Yokoyama, Takayuki, 4,888,795, Cl. 379-53.000.
  Sato, Yoichi; and Ichinokawa, Kazuo, 4,803,737, Cl. 382-65.000.
Ichinomiya, Keizi; Okada, Kouichi; Itsuki, Yuji; and Tsuchikura, Kaname, to Nichia Kagaku Kogyo K.K. Light-emitting composition and fluorescent lamp. 4,890,033, 12-26-89, Cl. 313-487.000.
Ichinomiya, Yutaka: *See—*
  Funaki, Masaaki; Kunihiro, Koki; and Ichinomiya, Yutaka, 4,874,654, Cl. 428-192.000.
Ichinose, Hideo; and Naemura, Shohei, to NEC Corporation. Ferroelectric liquid crystal light shutter device and method of controlling the driving of the same. 4,859,035, 8-22-89, Cl. 350-332.000.
Ichinose, Hiroshi: *See—*
  Mizusaki, Sigenobu; Matsushita, Hajime; Ishiguro, Shigeo; Ichinose, Hiroshi; and Izumi, Akira, 4,877,909, Cl. 568-880.000.
  Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi; and Mizusaki, Shigenobu, 4,845,065, Cl. 502-74.000.
Ichinose, Hisao, to Nissan Motor Co., Ltd. Sunroof panel assembly. 4,881,773, 11-21-89, Cl. 296-216.000.
Ichinose, Katsuki, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory including an output latch having hysteresis characteristics. 4,831,590, 5-16-89, Cl. 365-189.050.
Ichinose, Katsuki: *See—*
  Anami, Kenji; Ichinose, Katsuki; and Wada, Tomohisa, 4,879,690, Cl. 365-201.000.
Ichinose, Kiyohiro; Toyama, Niichi; Yamamoto, Tohru; Kikuchi, Eiji; and Fukuda, Masao, to Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for cleaning paint spray guns. 4,830,882, 5-16-89, Cl. 427-421.000.
Ichinose, Makoto: *See—*
  Fukushima, Yoshihisa; Satoh, Isao; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuuji, 4,885,735, Cl. 369-59.000.
  Kuroki, Yuzuru; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Takagi, Yuuji, 4,805,046, Cl. 360-49.000.
  Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuuji, 4,799,208, Cl. 369-100.000.
  Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,821,254, Cl. 369-54.000.
  Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,823,333, Cl. 369-84.000.
  Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuji, 4,833,663, Cl. 369-32.000.
  Sugimura, Tatuo; Satoh, Isao; Imai, Yoshihiko; and Ichinose, Makoto, 4,841,498, Cl. 369-32.000.
  Takagi, Yuuji; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Kuroki, Yuzuru, 4,879,704, Cl. 369-14.000.
Ichinose, Noboru; and Tanaka, Hirohumi, to Nichia Kagaku Kogyo K.K. Method of producing fluorapatite. 4,855,118, 8-8-89, Cl. 423-301.000.
Ichinose, Tomoji: *See—*
  Kawano, Minori; Ichinose, Tomoji; and Ferguson, James G., 4,849,963, Cl. 370-30.000.
Ichinose, Toru: *See—*
  Tezuka, Etsuhiro; Kaji, Koichiro; and Ichinose, Toru, 4,867,109, Cl. 123-52.0MB.
Ichinose, Toshiaki: *See—*
  Matsuyama, Yukio; and Ichinose, Toshiaki, 4,860,371, Cl. 382-8.000.
Ichinoseki National College of Technology: *See—*
  Sano, Shigeru; and Yashima, Saburo, 4,839,033, Cl. 209-4.000.
Ichinowatari, Koh: *See—*
  Katsumata, Minoru; Yanagawa, Hisaharu; Ohta, Kousaku; Inao, Katsuzou; and Ichinowatari, Koh, 4,868,816, Cl. 370-95.200.
Ichiro, Kitaura; Shuichi, Tamura; and Keitaro, Yonezawa, to Aioi Seiki Kabushiki Kaisha. Device for pushing and pulling an accessory instrument of manufacturing plant. 4,830,337, 5-16-89, Cl. 254-95.000.
Ichiro, Shibanai, to Japan Liquid Crystal Co., Ltd. Electric conductor covered by covering material. 4,847,151, 7-11-89, Cl. 428-389.000.
Ichiryu, Ken; Kanai, Takashi; Ochiai, Masami; Nozawa, Yuusaku; and Kato, Hideyo, to Hitachi Construction Machinery Co., Ltd. Flow control valve apparatus. 4,813,447, 3-21-89, Cl. 137-486.000.
Ichise, Atsushi: *See—*
  Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.
Ichishita, Faith S.: *See—*
  Daubenspeck, Timothy H.; and Ichishita, Faith S., 4,836,887, Cl. 156-643.000.
Ichitani, Yutaka; Imaeda, Masayoshi; Ikeda, Yoshimasa; Nishimura, Yoji; and Seikou, Kiyokazu, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Automotive air-conditioner. 4,802,405, 2-7-89, Cl. 98 2.060.
Ichitsuka, Takeshi: *See—*
  Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, 4,798,585, Cl. 604-93.000.
Ichiyoshi, Osamu, to NEC Corporation. System for controlling operation mode of modulator/demodulator. 4,833,696, 5-23-89, Cl. 375-121.000.
Ichiyoshi, Osamu, to NEC Corporation. Satellite-based vehicle communication/position determination system. 4,879,713, 11-7-89, Cl. 370-75.000.
Ichizawa, Yoshiyuki; and Nomoto, Tsugio, to Yoshino Kogyosho Co., Ltd. Device for supplying pieces for blow-molding containers. 4,819,785, 4-11-89, Cl. 198-404.000.
Ichthyotech, Ltd.: *See—*
  Byrne, Thomas D.; and Sliva, Martin. 4,817,561, Cl. 119-5.000.
ICI Americas Inc.: *See—*
  Alterman, Marcelo K.; and do Amaral, Luis F., 4,859,234, Cl. 71-103.000.
  Baker, Don R.; and Brownell, Keith H., 4,797,407, Cl. 514-346.000.
  Baker, Don R.; and Brownell, Keith H., 4,824,854, Cl. 514-346.000.
  Baker, Don R.; and Brownell, Keith H., 4,831,044, Cl. 514-349.000.
  Baker, Don R.; and Brownell, Keith H., 4,845,107, Cl. 514-346.000.
  Bay, Elliott; Leone-Bay, Andrea; and Timony, Peter E., 4,814,467, Cl. 549-246.000.
  Bay, Elliott, 4,833,250, Cl. 546-345.000.
  Beachell, Vicki T., 4,840,788, Cl. 424-59.000.
  Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., 4,837,235, Cl. 514-234.500.
  Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., 4,859,692, Cl. 514-381.000.
  Bright, Danielle A., 4,853,483, Cl. 564-18.000.
  Bristowe, William W.; and Kim, Hong C., 4,816,526, Cl. 525-422.000.
  Cassidy, Edward F.; Gillis, Herbert R.; Leenslag, Jan W.; and Parfondry, Alain, 4,866,103, Cl. 521-159.000.
  Cleary, Thomas P.; Gosciniak, Donald J.; and Phalangas, Charalambos J., 4,847,073, Cl. 424-59.000.
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  Dinizo, Stephen E.; and Gless, Richard D., Jr., 4,868,333, Cl. 562-438.000.
  Dinizo, Stephen E., 4,886,936, Cl. 558-343.000.
  Gillis, Herbert R., Jr., 4,798,862, Cl. 524-783.000.
  Gillis, Herbert R., Jr., 4,816,600, Cl. 560-335.000.
  Hartmann, Ludwig A.; and Stephen, John F., 4,866,185, Cl. 548-521.000.
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  Knudsen, Christopher G., 4,869,748, Cl. 71-123.000.
  Milano, Pamela D.; and James, Donald R., 4,888,047, Cl. 71-92.000.
  Neilan, James P.; and Stephen, John F., 4,826,983, Cl. 544-221.000.
  Nelson, Richard V.; and Stephen, John F., 4,804,699, Cl. 524-98.000.
  Nelson, Richard V.; and Stephen, John F., 4,851,461, Cl. 524-98.000.
  Nelson, Richard V.; and Stephen, John F., 4,883,831, Cl. 524-100.000.
  Nelson, Richard V.; and Stephen, John F., 4,883,860, Cl. 524-98.000.
  Nelson, Richard V.; and Stephen, John F., 4,889,882, Cl. 524-100.000.
  Phalangas, Charalambos J.; and Cleary, Thomas P., 4,889,947, Cl. 560-119.000.
  Prisbylla, Michael P., 4,859,228, Cl. 71-92.000.
  Resch, James F., 4,886,800, Cl. 514-234.500.
  Smith, Jerry H.; and Stephen, John F., 4,801,757, Cl. 568-720.000.
  Teach, Eugene G., 4,824,468, Cl. 71-88.000.
  Thomas, Arthur K., 4,880,872, Cl. 525-43.000.
  Trainor, Diane A., 4,873,221, Cl. 514-18.000.
  Trainor, Diane A.; and Stein, Mark M., 4,880,780, Cl. 514-18.000.
  Walters, Peter P.; and Davis, Ronald I., 4,851,214, Cl. 424-65.000.
  Warawa, Edward J.; and Migler, Bernard M., 4,879,288, Cl. 514-211.000.
  Ward, Susan K.; and O'Brien, Gregory S., 4,831,071, Cl. 524-401.000.
  Wee, Siok H. H.; and Prisbylla, Michael P., 4,871,391, Cl. 71-92.000.
  Woolard, Frank X., 4,855,478, Cl. 558-417.000.

  Woolard, Frank X., 4,867,780, Cl. 71-90.000.
  Woolard, Frank X., 4,867,782, Cl. 71-90.000.
  Woolard, Frank X., 4,874,422, Cl. 71-95.000.
  Woolard, Frank X., 4,874,873, Cl. 548-540.000.
  Woolard, Frank X., 4,877,880, Cl. 548-190.000.
ICI Array Technology, Inc.: *See—*
  Braun, Randall E., 4,882,657, Cl. 361-412.000.
ICI Australia Limited: *See—*
  Ngian, Kian F.; Hartshorn, Angus J.; and Jenkins, David H., 4,822,575, Cl. 423-82.000.
  Serban, Alexander; Watson, Keith G.; and Farquharson, Graeme J., 4,803,273, Cl. 544-354.000.
  Watson, Keith G.; and Lovel, Craig G., 4,795,487, Cl. 71-100.000.
  Watson, Keith G.; Garson, Lynette A.; Bird, Graham J.; and Farquharson, Graeme J., 4,806,141, Cl. 71-121.000.
  Watson, Keith G., 4,837,355, Cl. 560-061.000.
  Watson, Keith G.; and Lovel, Craig G., 4,886,911, Cl. 564-221.000.
  Watson, Keith G.; and Lovel, Craig G., 4,888,043, Cl. 71-88.000.
  Yabsley, Michael; and Hergt, Jill, 4,818,309, Cl. 149-2.000.
ICI Australia Operations Proprietary Limited: *See—*
  Beattie, Timothy A.; and Miskin, Barry K., 4,846,066, Cl. 102-215.000.
  Dowing, Richard; Paull, Jolanta; and Vince, David, 4,879,952, Cl. 102-331.000.
ICI Australian Operations Proprietary Limited: *See—*
  Bates, Andrew; and Sujansky, Vladimir, 4,853,050, Cl. 149-2.000.
ICI Pharma: *See—*
  Jung, Frederic H., 4,855,420, Cl. 540-222.000.
  Jung, Frederic H., 4,868,173, Cl. 514-202.000.
Icks, Gerd, to Montanwerke Walter GmbH. Boring and milling tool and indexable cutter bit insert for use therein. 4,844,643, 7-4-89, Cl. 407-42.000.
ICN Micromedic Systems, Inc.: *See—*
  Yuan, Albert, 4,806,493, Cl. 436-505.000.
Icoma Packtechnik GmbH: *See—*
  Kuckhermann, Gustav; and Hansson, Per-Ulf, 4,823,539, Cl. 53-579.000.
Icon International, Inc.: *See—*
  Rorden, Randall J.; Arthur, Ronald B.; and Muhlestein, Mark, 4,839,796, Cl. 364-200.000.
ICRF (Patents) Limited: *See—*
  Thorpe, Philip E., 4,880,935, Cl. 546-281.000.
ICT International CMOS Technology, Inc.: *See—*
  Brahmbhatt, Dhaval J., 4,823,317, Cl. 365-189.000.
  Brahmbhatt, Dhaval J., 4,831,589, Cl. 365-189.090.
  Brahmbhatt, Dhaval J., 4,885,719, Cl. 365-181.000.
ICU Medical, Inc.: *See—*
  Sitar, Dennis L.; and Bonaldo, Jean M., 4,816,024, Cl. 604-192.000.
  Sitar, Dennis L., 4,819,659, Cl. 128-764.000.
  Sitar, Dennis L., 4,846,805, Cl. 604-165.000.
Ida, Daijiro: *See—*
  Sakimori, Hideharu; Komatsu, Yoji; Ida, Daijiro; and Takahashi, Seiji, 4,845,821, Cl. 29-213.100.
Ida, Hiroyuki: *See—*
  Okura, Eiji; Tomita, Ichizo; and Ida, Hiroyuki, 4,830,098, Cl. 165-42.000.
Ida, Katsumi: *See—*
  Koyama, Noritoshi; Ikeuchi, Takayuki; Araki, Seiichi; Kitoh, Kyosuke; and Ida, Katsumi, 4,839,389, Cl. 514-724.000.
  Ohashi, Hiroyuki; Takami, Toru; Koyama, Noritoshi; Kogure, Yoshio; Ida, Katsumi; Iijima, Kazumi; and Kobori, Tomohiro, 4,840,970, Cl. 514-690.000.
Ida, Kazunaga: *See—*
  Kawanabe, Yoshihiro; and Ida, Kazunaga, 4,881,041, Cl. 328-112.000.
Ida, Kazuo: *See—*
  Fujisaki, Yoshinori; and Ida, Kazuo, 4,870,724, Cl. 24-433.000.
Ida, Kozo, to Mitsubishi Rayon Co., Ltd. Process for preparation of light-diffusing methacrylic resin plates. 4,839,125, 6-13-89, Cl. 264-216.000.
Ida, Masahiro: *See—*
  Saito, Tatsuhiko; Takahatake, Hikaru; Mori, Hiroaki; Ida, Masahiro; and Orii, Takeshi, 4,828,395, Cl. 366-143.000.
Ida, Masao: *See—*
  Ohtsuka, Akira; Goto, Tomoji; and Ida, Masao, 4,879,588, Cl. 357-68.000.
Ida, Masatoshi, to Olympus Optical Co., Ltd. Assembly for accessing information recording medium. 4,827,365, 5-2-89, Cl. 360-106.000.
Ida, Masatoshi: *See—*
  Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,811,118, Cl. 358-311.000.
  Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,873,580, Cl. 358-335.000.
Ida, Mitsuru; and Koga, Noriyuki, to Sony Corporation. Apparatus for controlling an auto-reverse tape recorder having a mode-changing mechanism. 4,799,116, 1-17-89, Cl. 360-74.100.
Ida, Mitsuru; and Koga, Noriyuki, to Sony Corporation. Tape bed and mode-changing mechanism arrangement for thin cassette type recorder. 4,839,759, 6-13-89, Cl. 360-96.300.
Ida, Shuichiro, to Toyota Jidosha Kabushiki Kaisha. Power transfer device for four-wheel drive vehicles. 4,805,485, 2-21-89, Cl. 74-674.000.
Ida, Shuichiro: *See—*
  Hamano, Hideo; Funato, Yasumichi; and Ida, Shuichiro, 4,841,803, Cl. 74-665.0GE.
  Koide, Toshikazu; Ida, Shuichiro; Yoshinaka, Toshio; Nagano, Shuji; and Haga, Shoji, 4,854,414, Cl. 180-249.000.
  Takeshita, Keiji; Hamano, Hideo; and Ida, Shuichiro, 4,838,121, Cl. 74-785.000.
Ida, Yasushi: *See—*
  Tamaki, Nobuo; Okuyama, Masayoshi; Ida, Yasushi; and Yamada, Toru, 4,835,716, Cl. 364-558.000.
Ida, Yoji: *See—*
  Nakasone, Takayoshi; Ida, Yoji; and Kozuka, Kenji, 4,795,234, Cl. 350-96.300.
Ida, Yoshiaki: *See—*
  Nagao, Toshishige; Ariki, Masayuki; and Ida, Yoshiaki, 4,810,894, Cl. 250-560.000.
Ida, Yoshio: *See—*
  Shin, Tokujiro; Ida, Yoshio; and Maenaka, Koyu, 4,832,086, Cl. 139-435.000.
Ida, Yuichi; and Hosogoe, Junichi, to Alps Electric Co., Ltd. X-Y position input device. 4,797,665, 1-10-89, Cl. 340-710.000.
Ida, Yuichi; Yamaguchi, Kiichi; and Kato, Hironori, to Alps Electric Co., Ltd. Slip ring having a rotatable insulation cover. 4,849,586, 7-18-89, Cl. 200-61.540.
Ida, Yuichi: *See—*
  Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, 4,824,396, Cl. 439-475.000.
Idaho Fluid Power, Inc.: *See—*
  Miller, Carl Q., 4,830,533, Cl. 404-101.000.
Idaho Research Foundation, Inc.: *See—*
  Maki, Gary K., 4,839,851, Cl. 364-900.000.
  Maki, Gary K.; Cameron, Kelly B.; and Owsley, Patrick A., 4,873,688, Cl. 371-37.100.
Idai, Tsutomu: *See—*
  Kase, Keizo; Idai, Tsutomu; Ishii, Kazumasa; and Takahashi, Eiji, 4,847,435, Cl. 568-750.000.
Idaka, Yukio; Yamaguchi, Shuichiroh; and Matsumoto, Takeshi, to Matsushita Electric Works, Ltd. Semiconductor switching circuit. 4,801,822, 1-31-89, Cl. 307-311.000.
Idaka, Yukio: *See—*
  Yamaguchi, Shuichiroh; Idaka, Yukio; Matsumoto, Takeshi; and Irie, Tatsuhiko, 4,805,006, Cl. 357-30.000.
Ide, Akira; and Saito, Yoshikazu, to Hitachi, Ltd. Current mirror switching circuit. 4,883,988, 11-28-89, Cl. 307-443.000.
Ide, Allan R. Vessel to dock cargo transfer apparatus. 4,872,798, 10-10-89, Cl. 414-141.300.
Ide, Fumito, to Kabushiki Kaisha Toshiba. Image forming apparatus enabling reversible selection of a default mode of operation. 4,835,572, 5-30-89, Cl. 355-243.000.
Ide, Fumito: *See—*
  Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, 4,814,823, Cl. 355-14.00D.
  Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, 4,857,954, Cl. 355-245.000.
Ide, Hiroshi: *See—*
  Shimizu, Shigeki; Oshima, Akinobu; Ide, Hiroshi; and Takahashi, Noriaki, 4,863,835, Cl. 430-331.000.
Ide, John D.; Fussell, John P.; and Rogers, Aaron S., to Teletec Corporation. Interrupted audio fill-in system for noise reduction and intelligibility enhancement in multi-channel scanning receiver applications. 4,868,891, 9-19-89, Cl. 455-166.000.
Ide, Jun; Iizumi, Tomoo; Takahashi, Yoshitaka; Yoshida, Hiroshi; Kaneko, Tooru; and Hishi, Yuichi, to Alps Electric Co., Ltd. Information recording disk. 4,839,753, 6-13-89, Cl. 360-48.000.
Ide, Jun; and Iizumi, Tomoo, to Alps Electric Co., Ltd. Method for detecting zero track. 4,876,618, 10-24-89, Cl. 360-78.130.
Ide, Jun, to Alps Electric Co., Ltd. Method for restoring track 0. 4,884,152, 11-28-89, Cl. 360-78.140.
Ide, Jun: *See—*
  Kowaguchi, Toru; Kaneko, Tooru; Ide, Jun; and Iizumi, Tomoo, 4,860,131, Cl. 360-78.140.
Ide, Jushi: *See—*
  Abe, Shigeo; Bandoh, Tadaaki; Hirasawa, Kotaro; and Ide, Jushi, 4,853,890, Cl. 364-900.000.
Ide, Katsuyuki; Kobayashi, Hisao; and Aoike, Nanjou, to Toshiba Electric Equipment Corporation. Large image display apparatus. 4,839,564, 6-13-89, Cl. 315-169.400.
Ide, Kinya: *See—*
  Sumimoto, Shinzaburo; Ishizuka, Ichiro; Ueda, Shiro; Kai, Hiroyuki; and Ide, Kinya, 4,888,044, Cl. 71-88.000.
Ide, Manabu, to Kabushiki Kaisha Aideie. Shell-type milling cutter and method for attaching the same. 4,843,709, 7-4-89, Cl. 29-525.000.
Ide, Masayuki: *See—*
  Kasugai, Joji; Toki, Satoshi; and Ide, Masayuki, 4,854,471, Cl. 220-288.000.
Ide, Mason: *See—*
  Prager, Lee A.; and Ide, Mason, 4,797,534, Cl. 219-326.000.
Ide, Mason G.; Lawrence, Noel L. W.; and Prager, Lee, to GTE Products Corporation. PTC air heater employing triangular PTC heating elements. 4,876,436, 10-24-89, Cl. 219-370.000.
Ide, Mikio: *See—*
  Murase, Shigemitsu; Kakumoto, Kouji; Miyazaki, Shouji; Sugawa, Masaru; and Ide, Mikio, 4,869,958, Cl. 428-364.000.
Ide, Mitsuteru: *See—*
  Mine, Kazuhiro; Sanada, Kei; and Ide, Mitsuteru, 4,874,980, Cl. 310-328.000.

Ide, Motoki; and Sato, Toshifumi, to NEC Corporation. Display radio pager having graphic alarm for selective indication of memory availability factors. 4,812,813, 3-14-89, Cl. 340-311.100.

Ide, Motoki; and Oyagi, Takashi, to NEC Corporation. Selective paging receiver with message display. 4,818,987, 4-4-89, Cl. 340-825.470.

Ide, Motoki; and Sato, Toshifumi, to NEC Corporation. Selective calling radio display pager having a message recalling algorithm which simplifies operations. 4,821,021, 4-11-89, Cl. 340-311.100.

Ide, Naoaki: *See—*
Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,819,019, Cl. 355-3.00R.
Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,876,560, Cl. 346-153.100.
Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,885,596, Cl. 346-157.000.
Egawa, Jiro; and Ide, Naoaki, 4,890,125, Cl. 346-160.000.
Kasai, Toshihiro; and Ide, Naoaki, 4,837,600, Cl. 355-208.000.

Ide, Noriaki: *See—*
Tomita, Masami; Nomura, Yoshihiro; Ide, Noriaki; and Ohtaki, Kazumi, 4,888,263, Cl. 430-106.000.

Ide, Russell D. Jet pump. 4,810,170, 3-7-89, Cl. 417-194.000.

Ide, Russell D. Piston ring. 4,877,257, 10-31-89, Cl. 277-206.00A.

Ide, Shinji: *See—*
Nakaya, Taoso; and Ide, Shinji, 4,799,170, Cl. 364-513.000.

Ide, Takanobu: *See—*
Ozaki, Yoichi; Yukawa, Shinjiro; Ide, Takanobu; and Tsuji, Masami, 4,809,799, Cl. 180-292.000.

Ide, Tatsuki: *See—*
Miyakawa, Yasumi; and Ide, Tatsuki, 4,887,252, Cl. 358-48.000.

Ide, Teruhisa, to Sony Corporation. Multi-channel stereo reproducing apparatus. 4,807,217, 2-21-89, Cl. 369-89.000.

Ide, Tohru; and Satoh, Mitsugu, to Fuji Jukogyo Kabushiki Kaisha. Belt for a belt drive device. 4,824,424, 4-25-89, Cl. 474-242.000.

Ide, Yasushi: *See—*
Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; Akedo, Jun; Harigaya, Makoto; and Ide, Yasushi, 4,840,922, Cl. 437-129.000.
Kobayashi, Hiroshi; Machida, Haruhiko; Harigaya, Makoko; Ide, Yasushi; and Akedo, Jun, 4,855,256, Cl. 437-129.000.

Ide, Yoshihiro: *See—*
Kanai, Masaharu; Yamazaki, Yasuo; Kameyama, Nobuyuki; Ide, Yoshihiro; Sato, Muneyoshi; and Yokota, Mitsuo, 4,825,233, Cl. 354-106.000.
Takahashi, Koichi; Okutsu, Kazuo; Ide, Yoshihiro; Takei, Hiroshi; Ishida, Yukio; and Harada, Kazumasa, 4,862,579, Cl. 04862567729-.000.

Ide, Yuichi; Nukushina, Harunobu; and Ichien, Naoki, to Kabushiki Kaisha Toshiba. Wireless remote control system. 4,843,384, 6-27-89, Cl. 340-825.690.

Ide, Yuichi: *See—*
Sugiura, Hiroaki; Ide, Yuichi; and Uesugi, Michika, 4,849,950, Cl. 363-48.000.

Idea, Inc.: *See—*
Jean, Buford R.; Newton, Richard W.; Blanchard, Andrew J.; Clark, Billy V.; and Warren, Gary L., 4,847,623, Cl. 342-124.000.

Ideab: *See—*
Sundstrom, Erik, 4,833,760, Cl. 24-609.000.

Ideal Equipment Co., Ltd.: *See—*
del Castillo, Fernando, 4,841,887, Cl. 112-121.120.

Ideal Industries, Inc.: *See—*
Blaha, William E., 4,803,779, Cl. 29-878.000.
Blaha, WIlliam E., 4,824,395, Cl. 439-438.000.
Finn, Jerome W.; Montgomery, Robert L.; and Schuchard, Frank B., 4,881,322, Cl. 29-878.000.
Koehn, Terry J., 4,829,805, Cl. 72-410.000.
Van Naarden, Robert, 4,858,312, Cl. 29-861.000.
Wolter, Eric H.; and Wennemar, James A., 4,803,903, Cl. 81-9.430.

Ideal Loisirs: *See—*
Lahr, Robert G., 4,795,154, Cl. 273-86.00B.

Ideation Enterprises, Inc.: *See—*
Katzin, Gerald H., 4,878,897, Cl. 604-86.000.

Ideation, Inc.: *See—*
Holland, Dawson, 4,847,444, Cl. 174-58.000.

Idebro, Mats G.: *See—*
Kokkeler, Franciscus; Fioroli, Mario; Risman, Per O. G.; Vigano, Liliana; and Idebro, Mats G., 4,841,111, Cl. 219-10.55B.

IDEC IZUMI Corporation: *See—*
Hirabayashi, Michio; Koizumi, Tosio; and Shibao, Kiyotada, 4,860,436, Cl. 29-622.000.
Kojima, Hisano; and Hirabayashi, Michio, 4,843,197, Cl. 200-406.000.
Tsuji, Yoshitaka, 4,881,903, Cl. 439-76.000.

Ideda, Junichi: *See—*
Miyazawa, Shyoichi; Kawamura, Satoshi; Tohyama, Shoichiro; Ishibashi, Akira; Kato, Kazutoshi; and Ideda, Junichi, 4,809,091, Cl. 360-48.000.

Idee International R & D Inc.: *See—*
Clavet, Alain, 4,808,140, Cl. 446-127.000.

Idei, Mitsushige: *See—*
Asano, Kazuo; Oku, Masahiro; Idei, Mitsushige; and Kojima, Yoshihide, 4,867,218, Cl. 152-454.000.

Idei, Toshio; and Mizutani, Yoshiki, to Mitsubishi Denki Kabushiki Kaisha. Video signal synthesizer for producing a picture in-picture effect on a display. 4,811,085, 3-7-89, Cl. 358-22.000.

Idei, Yasumasa; and Orisaki, Satoshi, to Ube Industries, Ltd. Method of controlling a fluidized bed boiler. 4,800,846, 1-31-89, Cl. 122-4.00D.

Idei, Yasumasa: *See—*
Maeda, Sadahiko; Takahashi, Hideaki; Idei, Yasumasa; and Nishida, Masahiro, 4,815,418, Cl. 122-4.00D.
Maeda, Sadahiko; Yokota, Shinjiro; and Idei, Yasumasa, 4,863,488, Cl. 44-589.000.

Ideker, Raymond E.; Fine, Michael J.; Baker, Ross G., Jr.; and Calfee, Richard V., to Intermedics Inc. Implantable defibrillation electrodes. 4,827,932, 5-9-89, Cl. 128-419.00D.

Ideker, Raymond E.: *See—*
Baker, Ross G., Jr.; Whistler, Stephen J.; Ideker, Raymond E.; Calfee, Richard V.; and Haluska, Edward A., 4,821,723, Cl. 128-419.00D.

Idel, Karsten: *See—*
Freitag, Dieter; Joswig, Thomas; Idel, Karsten; Fullmann, Heinz-Josef; and Muller, Friedemann, 4,888,370, Cl. 524-100.000.

Idel, Karsten-Josef: *See—*
Berg, Klaus; Idel, Karsten-Josef; and Grigo, Ulrich, 4,873,314, Cl. 528-487.000.
Tacke, Peter; Grogp, Ulrich; and Idel, Karsten-Josef, 4,841,000, Cl. 525-437.000.
Wittmann, Dieter; Westeppe, Uwe; Idel, Karsten-Josef; Lindner, Christian; Merten, Josef; and Selbeck, Harald, 4,822,852, Cl. 525-66.000.

Idema, Stanley D. Nail clipping device. 4,809,431, 3-7-89, Cl. 30-28.000.

Idemitsu Kosan Company Limited: *See—*
Dasai, Masashi, 4,800,029, Cl. 252-32.500.
Hachiya, Satoshi; Uchida, Shunji; and Hashimoto, Kenji, 4,877,858, Cl. 528-100.000.
Harada, Junzo, 4,803,123, Cl. 428-367.00
Hashimoto, Katsumi, 4,857,220, Cl. 252-[illegible]00R.
Hata, Hitoshi; and Machida, Hisashi, 4,8[illegible], Cl. 252-75.000.
Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.
Ichihashi, Toshihiko, 4,853,139, Cl. 252-32.70E.
Iino, Mitsuaki, 4,848,905, Cl. 356-338.000.
Imai, Kouji; and Suzuki, Isoo, 4,849,122, Cl. 252-73.000.
Inoue, Hakuai; and Komiyama, Hiroshi, 4,842,832, Cl. 423-211.000.
Itoi, Masaaki, 4,816,202, Cl. 264-211.110.
Kanamori, Hideo; and Hashimoto, Katsumi, 4,822,507, Cl. 252-49.500.
Kaneko, Masato; Nagakawa, Hiroshi; and Yamashita, Kenichi, 4,800,030, Cl. 252-32.500.
Katafuchi, Tadashi, 4,828,731, Cl. 252-32.70E.
Katafuchi, Tadashi; Mitazaki, Hiroo; Shido, Seiichi; Tomari, Yasunori; and Onodera, Kenji, 4,832,860, Cl. 252-56.00R.
Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, 4,812,507, Cl. 524-611.000.
Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, 4,853,443, Cl. 525-534.000.
Morita, Kazuharu; Uchida, Shunji; and Hachiya, Satoshi, 4,818,807, Cl. 528-191.000.
Nakai, Masayuki; Uesugi, Kenji; and Tomura, Katsumi, 4,849,021, Cl. 106-472.000.
Ohta, Masakatsu; and Itoi, Masaaki, 4,887,957, Cl. 425-72.200.
Seiki, Hiromichi; and Igarashi, Hideo, 4,832,867, Cl. 252-325.000.
Shigematsu, Kazuyoshi; and Shirouzu, Shigenori, 4,801,679, Cl. 528-219.000.
Shimo, Nobuo; Yoshihara, Keitaro; and Nakashima, Nobuaki, 4,844,736, Cl. 75-0.50B.
Takematsu, Tetsuo; Nishii, Masahiro; and Kobayashi, Izumi, 4,844,731, Cl. 71-93.000.
Tanaka, Masato; Machida, Syuji; and Uoi, Michitake, 4,833,224, Cl. 526-329.000.
Tanaka, Masato; Machida, Syuji; and Uoi, Michitake, 4,843,135, Cl. 526-169.000.
Tsubouchi, Toshiyuki; Abe, Kazuaki; and Hata, Hitoshi, 4,840,745, Cl. 252-73.000.
Uchida, Shunji; Morita, Kazuharu; and Hashimoto, Kenji, 4,844,835, Cl. 252-299.010.
Watanabe, Masami; and Kuramoto, Masahiko, 4,814,540, Cl. 585-523.000.
Yabe, Takao, 4,812,246, Cl. 252-32.70E.
Yamane, Ryozo; Kurihara, Takashi; Kaise, Hiroshi; Komatsubara, Takeo; and Sunaga, Takashi, 4,800,013, Cl. 208-19.000.

Idemitsu Petrochemical Company, Limited: *See—*
Endo, Hideki; Hashimoto, Kazuto; and Kato, Kohji, 4,833,203, Cl. 525-67.000.
Funaki, Akira; and Takubo, Toyokazu, 4,867,927, Cl. 264-180.000.
Haga, Masami, 4,845,299, Cl. 568-23.000.
Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.
Ito, Toshimichi, 4,869,924, Cl. 427-39.000.
Iwai, Teruyuki; Takashige, Masao; Takeichi, Hidenobu; Taka Yasuo; and Sasaki, Yoshinori, 4,869,863, Cl. 264-564.000.
Komatsu, Takashi; and Terada, Eiichi, 4,831,100, Cl. 528-198.000.
Komatsu, Takashi; and Terada, Eiichi, 4,888,410, Cl. 528-198.000.
Nakagawa, Takashi, 4,814,520, Cl. 568-723.000.
Odaka, Hiroshi; and Kishida, Tsuyoshi, 4,858,780, Cl. 220-359.000.

Ogata, Norio; Yamato, Hiroyasu; and Senga, Minoru, 4,810,773, Cl. 528-388.000.
Otsubo, Kazunari; Ezoe, Motonobu; Ago, Hideo; and Yamamoto, Koji, 4,880,896, Cl. 528-196.000.
Sakai, Tsunenori; Ishiguro, Toshio; and Ishihara, Takaya, 4,814,495, Cl. 562-424.000.
Sakakibara, Yasuzo; Ueda, Ken-ichi; and Tomita, Kouji, 4,835,308, Cl. 562-413.000.
Shiraki, Yasushi; and Tamura, Takao, 4,886,933, Cl. 585-522.000.
Sugimoto, Keiji; Hayashi, Takeo; and Fujimoto, Masahiro, 4,856,656, Cl. 206-523.000.
Suwa, Akio; and Akiyoshi, Nobuhisa, 4,827,074, Cl. 585-648.000.
Takata, Yukio; and Shinohara, Takeshi, 4,801,041, Cl. 220-359.000.
Takubo, Toyokazu; and Fujii, Atsushi, 4,863,653, Cl. 264-40.700.
Tanaka, Toshiaki, 4,832,855, Cl. 252-1.000.
Wakabayashi, Makoto; Fujiwara, Kenichi; and Hayashi, Hideo, 4,874,836, Cl. 528-185.000.
Yamada, Toyokazu; Miyama, Masao; Sugimura, Hideo; and Shinohara, Takeshi, 4,842,951, Cl. 428-516.000.

Idemoto, Morito; and Noguchi, Yasuo, to Sumitomo Bakelite Company Limited. Surgical instrument. 4,832,683, 5-23-89, Cl. 604-22.000.

Iden Industries, Inc.: *See—*
Iden, Lee J., 4,817,419, Cl. 73-118.100.

Iden, Lee J., to Iden Industries, inc. Fluid pressure sensor circuit. 4,817,419, 4-4-89, Cl. 73-118.100.

Idenawa, Hiroyuki, to Ricoh Company, Ltd. Developing device. 4,814,816, 3-21-89, Cl. 355-3.0DD.

Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, to Ricoh Company, Ltd. Electrostatic recording apparatus. 4,875,063, 10-17-89, Cl. 346-160.100.

Ident Corporation of America, Inc.: *See—*
Cohen, Marvin; and Mancin, Susanne C., 4,820,160, Cl. 433-229.000.

Identechs Corporation: *See—*
Taylor, Geoffrey L.; and Sughatchi, Hamid, 4,846,573, Cl. 356-241.000.

Ideshita, Yuji: *See—*
Sakamaki, Yosio; Ideshita, Yuji; Fujita, Fumiyoshi; and Sugiyama, Takashi, 4,883,079, Cl. 132-318.000.

Idigkeit, Werner: *See—*
Franz, Rainer; Idigkeit, Werner; Loschmann, Hartmut; Rohner, Gerhard; and Kurr, Klaus, 4,836,515, Cl. 267-219.000.
Rohner, Gerhard; Idigkeit, Werner; and Kurr, Klaus, 4,872,652, Cl. 267-140.100.

Idland, Carsten H. Alarm system responsive to intrusion induced phase unbalance. 4,807,255, 2-21-89, Cl. 367-93.000.

Idleman, Thomas E.; and Stamness, Jesse I., to Unisys Corp. Variable rate improvement of disc cache subsystem. 4,868,734, 9-19-89, Cl. 364-200.000.

IDN Inventions and Development of Novelties AG: *See—*
Ackeret, Peter, 4,804,085, Cl. 206-309.000.
Ackeret, Peter, 4,807,749, Cl. 206-387.000.
Ackeret, Peter, 4,842,348, Cl. 312-12.000.
Ackeret, Peter, 4,875,584, Cl. 206-387.000.
Ackeret, Peter, 4,884,685, Cl. 206-309.000.
Bohnet, Klaus; and Ackeret, Peter, 4,828,341, Cl. 312-12.000.

IDN Inventions and Development of Novelties A.G.: *See—*
Ackeret, Peter, 4,856,653, Cl. 206-387.000.

Ido, Noriyuki: *See—*
Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, 4,872,730, Cl. 303-92.000.

Ido, Satoshi: *See—*
Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.

Ido, Tadashi: *See—*
Yokoyama, Hirotaka; Ido, Tadashi; Maeda, Tatsumi; and Kurisu, Shunji, 4,837,092, Cl. 428-694.000.

Ido, Yasuji: *See—*
Uemura, Seiichi; Sohda, Yoshio; Ido, Yasuji; and Yamamoto, Shunichi, 4,849,200, Cl. 423-447.400.

Ido, Yuji: *See—*
Miyazaki, Yoshio; and Ido, Yuji, 4,815,529, Cl. 165-104.260.
Miyazaki, Yoshio; and Ido, Yuji, 4,846,263, Cl. 165-104.260.

Idota, Tadashi: *See—*
Kosugi, Yoshinobu; and Idota, Tadashi, 4,795,118, Cl. 248-181.000.

Idota, Yoshinori: *See—*
Ohkubo, Yoichiro; Idota, Yoshinori; and Tanasawa, Yasusi, 4,850,195, Cl. 60-738.000.

Idota, Yoshio; Karino, Yukio; Hayashi, Hiroshi; and Tomiyama, Hideki, to Fuji Photo Film Co., Ltd. Process for forming an image by silver salt diffusion transfer. 4,798,779, 1-17-89, Cl. 430-202.000.

Idota, Yoshio: *See—*
Inoue, Noriyuki; Idota, Yoshio; and Yagihara, Morio, 4,803,146, Cl. 430-248.000.

Idris, Carletta-Grier, to Kimberly-Clark Corporation. Bi-lateral surgical drape. 4,869,271, 9-26-89, Cl. 128-853.000.

Idriss, Samir F., to Shiley Infusaid Inc. Programmable valve pump. 4,838,887, 6-13-89, Cl. 604-891.100.

Idstrom, Bo: *See—*
Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, 4,795,578, Cl. 252-61.000.
Hellsten, Martin; Ernstsson, Marie; and Idstrom, Bo, 4,830,739, Cl. 209-166.000.

Ieda, Kiyokazu: *See—*
Murakami, Yuichi; and Ieda, Kiyokazu, 4,853,703, Cl. 343-700.0MS.

Ieda, Minoru: *See—*
Inoue, Tadashi; Ohkoba, Akira; Sakashita, Kunio; Utsunomiya, Akira; Shinozaki, Takeki; and Ieda, Minoru, 4,797,265, Cl. 423-320.000.

Ieg Industrie-Engineering GmbH: *See—*
Bernhardt, Bruno; Hessner, Anton; and Krug, Rainer, 4,886,119, Cl. 166-267.000.

Iehisa, Nobuaki: *See—*
Karube, Norio; Egawa, Akira; Yamazaki, Etsuo; Iehisa, Nobuaki; and Manabe, Mitsuo, 4,887,272, Cl. 372-38.000.

Iel Limited: *See—*
Ghosh, Pushpito K.; Bhattacharyya, Dhirendra N.; Iyer, Rama S.; Chikale, Sudhakar V.; Chattopadhyay, Arun K.; Paul, Sasanka S.; and Rao, Vattipalli M., 4,808,251, Cl. 149-2.000.

Iemma, Steven C.: *See—*
Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charles W., Jr.; Blais, Louis G.; Andersen, Carl E.; and Feeley, J. Terence, 4,830,261, Cl. 228-102.000.

Iemura, Hirobumi: *See—*
Yoshimoto, Nobuyuki; Iemura, Hirobumi; Oseto, Osamu; and Yamada, Nobuo, 4,863,825, Cl. 430-109.000.

Iemura, Ryuichi; Hori, Manabu; Ohtaka, Hirosni; Sukamoto, Takayuki; Hara, Hideaki; and Ito, Keizo, to Kanebo Limited. Quinazoline derivative, processes for its production, and cerebral dysfunction remedying agent comprising it as active ingredient. 4,877,790, 10-31-89, Cl. 514-260.000.

Iemura, Takusuke; Gotoh, Takeshi; and Komaki, Hiroshi, to Okamura Corporation. Rotatable stock closet. 4,821,887, 4-18-89, Cl. 211-1.500.

Ieoka, Shoichi, to Olympus Optical Co., Ltd. Electronic type endoscope apparatus for use in NTSC/PAL systems. 4,878,112, 10-31-89, Cl. 358-98.000.

Ierardi, Joseph A.; and Alden, Wayne S., III, to Augat Inc. Short-wire bed-of-nails test fixture. 4,803,424, 2-7-89, Cl. 324-158.00F.

Iesaka, Mamoru; Matsunaga, Yoshiyuki; Manabe, Sohei; and Harada, Nozomu, to Kabushiki Kaisha Toshiba. Low noise CCD image sensor having a plurality of horizontal CCD registers. 4,807,037, 2-21-89, Cl. 358-213.310.

Iesaka, Tsutomu: *See—*
Moriya, Mikio; Furukawa, Junichi; Kawasaki, Makoto; and Iesaka, Tsutomu, 4,795,285, Cl. 400-320.000.

Iezzi, Peter D.: *See—*
Siddoway, Craig F.; Castaneda, Julio C.; and Iezzi, Peter D., 4,858,798, Cl. 224-242.000.

IFC Non-Wovens, Inc.: *See—*
Dailey, Robert, III, 4,863,064, Cl. 221-48.000.

IFE Industrie-Einrichtungen Fertigungs-Aktiengesellschaft: *See—*
Fink, Martin, 4,813,293, Cl. 74-99.00A.
Fink, Martin, 4,854,223, Cl. 92-17.000.

Ife, Robert J.; Brown, Thomas H.; and Leach, Colin A., to Smith Kline & French Laboratories Limited. 4-amino-3-carbonyl substituted quinolines. 4,806,549, 2-21-89, Cl. 514-313.000.

Ife, Robert J.; Brown, Thomas H.; and Leach, Colin A., to SmithKline & French Laboratories Limited. 4-Amino-3-carbonyl substituted quinolines as inhibitors of gastric acid secretion. 4,806,550, 2-21-89, Cl. 514-313.000.

Ife, Robert J.; and Brown, Thomas H., to Smith Kline & French Laboratories Limited. Pyrimidylalkylthio benzimidazole compounds, pharmaceutical compositions and use. 4,820,708, 4-11-89, Cl. 514-232.800.

Iff, Ron H.: *See—*
Perdelwitz, Lee E., Jr; Young, Robert H.; Iff, Ron H.; Hanke, David E.; Allison, Kathleen S.; Rahkonen, Raimo K.; and Neogi, Amar N., 4,886,697, Cl. 428-192.000.

Ifm Electronic GmbH: *See—*
Schramm, Peter, 4,847,570, Cl. 331-65.000.

Ifuku, Tetsuhiko: *See—*
Shioya, Katsuhiko; Ifuku, Tetsuhiko; and Inamasu, Seiichi, 4,876,645, Cl. 364-200.000.

IFW-Manfred Otte Gesellschaft m.b.H. & Co. KG.: *See—*
Schwaiger, Ernst; and Mitteregger, Erich, 4,856,753, Cl. 249-94.000.

Iga, Katsumi; Hamaguchi, Naoru; and Ogawa, Yasuaki, to Takeda Chemical Industries, Ltd. Method of producing liposome. 4,877,561, 10-31-89, Cl. 264-4.300.

Iga, Katsumi: *See—*
Hamaguchi, Naoru; Iga, Katsumi; and Ogawa, Yasuaki, 4,844,904, Cl. 424-450.000.

Iga, Tadashi, to Tadano Ltd. Extension jib for a boom. 4,828,124, 5-9-89, Cl. 212-188.000.

Iga, Yoshiro: *See—*
Kameyama, Syojyu; Nishimaki, Hideo; Iga, Yoshiro; and Suyama, Tadakazu, 4,822,872, Cl. 530-383.000.
Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.

Igaki, Masahiko; Rachi, Masahiro; and Maekawa, Tomohiro, to Canon Kabushiki Kaisha. Optical encoder including transparent substrates having formed indicators therein. 4,820,918, 4-11-89, Cl. 250-231.0SE.

Igaras, Akira: *See*—
 Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igaras, Akira; and Kawaguch, Nobuhisa, 4,834,721, Cl. 604-266.000.

Igarashi, Akira; Shimomura, Akihiro; and Serizawa, Shinichiro, to Fuji Photo Film Co., Ltd. Heat-sensitive recording sheet. 4,797,384, 1-10-89, Cl. 503-200.000.

Igarashi, Akira, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,797,385, 1-10-89, Cl. 503-207.000.

Igarashi, Akira, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,822,771, 4-18-89, Cl. 503-226.000.

Igarashi, Akira, to Nohmi Bosai Kagyo Kabushiki Kaisha. Transmission circuit of fire protection/security system. 4,847,593, 7-11-89, Cl. 340-518.000.

Igarashi, Akira; Satomura, Masato; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,855,278, 8-8-89, Cl. 503-208.000.

Igarashi, Akira: *See*—
 Ikeda, Kenji; and Igarashi, Akira, 4,833,121, Cl. 503-214.000.
 Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, 4,833,118, Cl. 503-208.000.
 Kawakami, Hiroshi; and Igarashi, Akira, 4,885,271, Cl. 503-214.000.
 Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, 4,888,321, Cl. 503-208.000.
 Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igarashi, Akira; and Kawaguchi, Nobuhisa, 4,814,231, Cl. 428-425.500.
 Satomura, Masato; Iwakura, Ken; and Igarashi, Akira, 4,847,236, Cl. 503-208.000.
 Satomura, Masato; Iwakura, Ken; Takashima, Masanobu; and Igarashi, Akira, 4,855,282, Cl. 503-218.000.

Igarashi, Hideo: *See*—
 Otsuka, Nobuo; Igarashi, Hideo; and Thompson, Peter, 4,821,526, Cl. 62-180.000.
 Seiki, Hiromichi; and Igarashi, Hideo, 4,832,867, Cl. 252-325.000.

Igarashi, Hidesato: *See*—
 Oshima, Katsuhide; Murai, Toshiaki; Sakurai, Hitoshi; Igarashi, Shuji; Hanagata, Haruo; and Igarashi, Hidesato, 4,889,602, Cl. 204-38.100.

Igarashi, Hisashi: *See*—
 Toshimitsu, Kazushige; Umeda, Tadashi; and Igarashi, Hisashi, 4,805,579, Cl. 123-492.000.
 Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, 4,825,834, Cl. 123-463.000.
 Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, 4,883,039, Cl. 123-463.000.

Igarashi, Ichiro; Ito, Hiroaki; and Nishimura, Kazuhiko, to Tokai Rubber Industries, Ltd. Hose. 4,887,647, 12-19-89, Cl. 138-126.000.

Igarashi, Katsumasa: *See*—
 Ushijima, Takayaki; Igarashi, Katsumasa; and Ishizeki, Seiichi, 4,881,785, Cl. 303-111.000.

Igarashi, Katsutoshi: *See*—
 Bishop, Timothy; Ohtaka, Tohru; Bessho, Keiichi; Sugimoto, Takeshi; and Igarashi, Katsutoshi, 4,844,604, Cl. 350-96.240.

Igarashi, Katsuyuki: *See*—
 Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.

Igarashi, Keiichi: *See*—
 Yoshimoto, Takeo; Umemoto, Mitsumasa, Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,851,445, Cl. 514-604.000.
 Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,870,107, Cl. 514-604.000.

Igarashi, Kenichi. *See*—
 Kurosawa, Makoto; and Igarashi, Kenichi, 4,879,947, Cl. 101-93.040.

Igarashi, Kohei: *See*—
 Demura, Takayuki; and Igarashi, Kohei, 4,881,368, Cl. 60-274.000.

Igarashi, Masahiko: *See*—
 Okazaki, Atsushi; Igarashi, Masahiko; and Horie, Tsuneo, 4,839,627, Cl. 338-174.000.

Igarashi, Masaru, to Canon Kabushiki Kaisha. Recording apparatus including control error detection. 4,814,892, 3-21-89, Cl. 358-296.000.

Igarashi, Masazumi, to Molex Incorporated. Electrical connector. 4,838,806, 6-13-89, Cl. 439-341.000.

Igarashi, Nobuo: *See*—
 Tamura, Tatsuya; Igarashi, Nobuo; Konno, Sadao; and Nakajima, Hiroyuki, 4,865,796, Cl. 264-40.700.

Igarashi, Nobuyuki: *See*—
 Koishi, Masumi; Sawada, Manabu; Igarashi, Nobuyuki; and Arikawa, Akira, 4,835,082, Cl. 430-109.000.

Igarashi, Reiko; Watanabe, Yoshihiko; and Hirata, Sadao, to Toyo Seikan Kaisha, Ltd. Thermoplastic polyester composition having improved flavor-retaining property and vessel formed therefrom. 4,837,115, 6-6-89, Cl. 428-36.920.

Igarashi, Sadao; and Ueno, Moriaki, to Alps Electric Co., Ltd. Microwave separator. 4,799,033, 1-17-89, Cl. 333-134.000.

Igarashi, Sahoko: *See*—
 Hirota, Hajime; Ogino, Hidekazu; Igarashi, Sahoko; and Sotoya, Kohshiro, 4,876,034, Cl. 252-546.000.

Igarashi, Shigeo: *See*—
 Saito, Hirokazu; Takano, Kozo; Ushirokoji, Kiyoyuki; and Igarashi, Shigeo, 4,869,104, Cl. 73-299.000.

Igarashi, Shigeru; and Ozawa, Osamu, to Yokohama Rubber Co., Ltd., The. Hose. 4,870,995, 10-3-89, Cl. 138-126.000.

Igarashi, Shigeru: *See*—
 Kitami, Tetsu; Igarashi, Shigeru; and Ono, Katuya, 4,802,938, Cl. 156-149.000.

Igarashi, Shuji: *See*—
 Oshima, Katsuhide; Murai, Toshiaki; Sakurai, Hitoshi; Igarashi, Shuji; Hanagata, Haruo; and Igarashi, Hidesato, 4,889,602, Cl. 204-38.100.

Igarashi, Tadao: *See*—
 Karibe, Haruyuki; Oogi, Takashi; and Igarashi, Tadao, 4,864,44 Cl. 360-132.000.

Igarashi, Taizo: *See*—
 Ishizaki, Takaharu, Igarashi, Taizo; Urano, Yasuo; and Onodera, Yumiko, 4,885,008, Cl. 44-62.000.

Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yuichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, to Hitachi, Ltd. Control rod. 4,874,574, 10-17-89, Cl. 376-333.000.

Igarashi, Takeshi: *See*—
 Arai, Fuminori; and Igarashi, Takeshi, 4,826,761, Cl. 435-11.000.
 Masuda, Nobuhito; and Igarashi, Takeshi, 4,855,108, Cl. 422-56.000.

Igarashi, Tetsu, to Kabushiki Kaisha Toshiba. Cache memory control apparatus. 4,797,813, 1-10-89, Cl. 364-200.000.

Igarashi, Yasuo: *See*—
 Nakasaki, Eiji; Tajima, Katsunori; Igarashi, Yasuo; and Sakakibara, Hiroto, 4,869,336, Cl. 180-196.000.

Igarashi, Yoshiaki: *See*—
 Ohtsuki, Tomonari; Igarashi, Yoshiaki; Uno, Toru; and Tanaka, Yoshiaki, 4,843,221, Cl. 235-441.000.
 Oshima, Mitsuaki; Izaki, Masataka; Kajino, Jirou; Igarashi, Yoshiaki; and Mitani, Hiroshi, 4,856,882, Cl. 350-500.000.

Igarashi, Yoshio; and Jinno, Tetsumi, to Sankosha Corporation. Lightning arrester. 4,851,946, 7-25-89, Cl. 361-124.000.

Igari, Naoto; Yamamoto, Noriyuki; and Sakata, Tetshin, to Nissan Motor co., Ltd. Method for coupling tubed tire with wheel. 4,858,667, 8-22-89, Cl. 157-1.100.

Igashira, Kiyoteru: *See*—
 Maeba, Yukio; and Igashira, Kiyoteru, 4,841,425, Cl. 363-21.000.

Igashira, Toshihiko; Sakakibara, Yasuyuki; Abe, Seiko; Sekiguchi, Kiyonori; Izawa, Akihiro; and Kawai, Hisasi, to Nippon Soken, Inc. Electrostrictive actuator device and fuel injection device using same. 4,887,569, 12-19-89, Cl. 123-300.000.

Igashira, Toshihiko: *See*—
 Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.

Igata, Shoji: *See*—
 Yamada, Ryuji; and Igata, Shoji, 4,822,105, Cl. 299-1.000.

Igaue, Takamitsu; and Tanji, Hiroyuki, to Uni-Charm Corporation. Method for making wearable articles. 4,822,435, 4-18-89, Cl. 156-164.000.

Igawa, Takashi: *See*—
 Hoshino, Kazuo; and Igawa, Takashi, 4,878,955, Cl. 148-12.00E.

IGB Products, Ltd.: *See*—
 Petrossian, Ashot; and DeGiovanni, Andy, 4,806,484, Cl. 435-311.000.

Igbal, Zafar: *See*—
 Maxfield, MacRae; Baughman, Ray H.; Igbal, Zafar; and Eckhardt, Helmut, 4,879,270, Cl. 505-1.000.

Ige, Hitoshi: *See*—
 Sasaki, Isao; Mukai, Nobuhiro; and Ige, Hitoshi, 4,826,888, Cl. 522-26.000.

Ige, Yuji, to Seikosha Co., Ltd. Integrated circuit with frequency dividing test function. 4,801,875, 1-31-89, Cl. 324-158.00R.

Igel, Wolfgang; Nickolay, Helmut; Mack, Karl-Heinz; and Meissner, Werner, to Zinser Textilmaschinen GmbH. Apparatus for the spinning of yarn. 4,823,543, 4-25-89, Cl. 57-80.000.

Igel, Wolfgang, to Zinser Textilmaschinen GmbH. Process and apparatus for job control of servicing elements at a textile spinning installation. 4,823,544, 4-25-89, Cl. 57-265.000.

Igel, Wolfgang, to Zinser Textilmaschinen GmbH. Method and device for auotmatically splicing yarn on a ring spinning machine. 4,878,14 11-7-89, Cl. 57-261.000.

Igelbuscher, Heinrich: *See*—
 Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,802,573, Cl. 201-39.000.
 Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Burggraf, Peter, 4,875,406, Cl. 98-2.010.
 Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Rump, Hanns, 4,882,287, Cl. 436-149.000.
 Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,886,000, Cl. 110-345.000.
 Jorzyk, Sigurd; Scholl, Gerhard; Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,885,011, Cl. 55-242.000.

Igelmund, Darrell A. Office equipment holder. 4,843,848, 7-4-89, Cl. 70-58.000.

Igen, Inc.: *See*—
 Schochetman, Gerald; and Massey, Richard J., 4,888,281, Cl. 435-72.000.

Igenbergs, Eduard; and Jahncke, Christian, to Prof. Dr.-Ing. Eduard Igenbergs. Method and an apparatus of determining the angle of an incident flow and/or of the airspeed at a stationary or moving point of measurement. 4,817,426, 4-4-89, Cl. 73-180.000.

Igene Biotechnology, Inc.: *See*—
 Yang, Huei-Hsiung; Hiu, Stephen F.; and Harris, John L., 4,859,597, Cl. 435-239.000.

Igenieure Mayreder Kraus & Co. Baugesellschaft M.b.H.: *See*—
 Wagner, Harald; and Schulter, Alfred, 4,812,084, Cl. 405-153.000.

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 Lara, Jean, 4,888,960, Cl. 62-298.000.

Igersheim, Francoise: *See*—
 Costantini, Michel; and Igersheim, Francoise, 4,877,903, Cl. 568-342.000.

Iggesund Tools AB: *See*—
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Iggulden, Jerry: *See*—
 Iggulden, Jerry R.; Streck, Donald A.; and Pender, Joseph W., 4,852,802, Cl. 239-64.000.

Iggulden, Jerry R.; Streck, Donald A.; and Pender, Joseph W., to Iggulden, Jerry; Pender, Joseph; and Streck, Donald A. Smart irrigation sprinklers. 4,852,802, 8-1-89, Cl. 239-64.000.

Iggulden, Jerry R.: *See*—
 Streck, Donald A., 4,849,815, Cl. 379-100.000.
 Streck, Donald A., 4,852,153, Cl. 379-100.000.
 Streck, Donald A.; and Iggulden, Jerry R., 4,856,046, Cl. 379-56.000.
 Streck, Donald A., 4,856,049, Cl. 379-67.000.
 Streck, Donald A., 4,865,224, Cl. 222-95.000.

IGI Biotechnology, Inc.: *See*—
 Mays, Thomas D.; and Dally, Ellen L., 4,879,228, Cl. 435-101.000.

Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, to Kuraray Co., Ltd.; and Idemitsu Petrochemical Company Limited. Polycarbonate resin composition. 4,833,217, 5-23-89, Cl. 525-439.000.

Iglesia, Enrique; Soled, Stuart L.; and Fiato, Rocco A., to Exxon Research and Engineering Company. Cobalt-ruthenium catalysts for Fischer-Tropsch synthesis. 4,822,824, 4-18-89, Cl. 518-709.000.

Ignasiak, Boleslaw L.: *See*—
 Janiak, Jerzy S.; Turak, Ali A.; Pawlak, Wanda; and Ignasiak, Boleslaw L., 4,854,940, Cl. 44-620.000.

Ignasiak, Martin C., to Minnesota Mining and Manufacturing Company. Expanding surface mount compatible retainer post. 4,841,100, 6-20-89, Cl. 174-138.00G.

Ignasiak, Martin C.; and Moll, Horst E., to Minnesota Mining & Manufacturing Company. Electrical connector for surface mount chip carrier installed in a socket. 4,846,702, 7-11-89, Cl. 439-71.000.

Ignatchenko, Pavel V.: *See*—
 Shaeerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Borshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.

Ignatiev, Alexandr A.: *See*—
 Arbeniev, Alexandr S.; Ignatiev, Alexandr A.; Zhilin, Vitaly A.; Melnikov, Alexandr S.; and Tomskikh, Sergei F., 4,872,760, Cl. 366-7.000.

Ignatowski, John J., to General Dynamics Corporation/Pomona Division. Electrical monitoring of flip-chip hybridization. 4,803,422, 2-7-89, Cl. 324-73.00R.

Ignell, Rolf, to Roby Teknik AB. Arrangement for continuous casting a very thin metal film. 4,819,710, 4-11-89, Cl. 164-423.000.

Igoe, Steven E., to Xerox Corporation. Liquid developer compositions. 4,814,251, 3-21-89, Cl. 430-115.000.

Igolen, Jean: *See*—
 Huynh-Dinh, Tam; and Igolen, Jean, 4,842,996, Cl. 435-6.000.
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Iguchi, Akira: *See*—
 Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, 4,810,794, Cl. 546-251.000.

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Iguchi, Hiroyuki: *See*—
 Motegi, Takeo; Yamazaki, Mitsumasa; Iguchi, Hiroyuki; and Kasahara, Kaoru, 4,878,942, Cl. 71-109.000.

Iguchi, Isamu; Ohshima, Hirofumi; Deguchi, Hiroaki; and Tsuchida, Tsuyoshi, to Mazda Motor Corporation. Internal combustion engine having reinforced structure. 4,831,978, 5-23-89, Cl. 123-195.00H.

Iguchi, Katsumi: *See*—
 Hayami, Toshitomo; Shibata, Humio; Iguchi, Katsumi; Inoue, Hisao; Ono, Takashi; and Ishimoto, Takashi, 4,859,251, Cl. 148-286.000.

Iguchi, Kazuo; Soejima, Tetsuo; Amemiya, Shigeo; and Komine, Hiroaki, to Fujitsu Limited. Optical bus communication system utilizing frame format signals. 4,850,047, 7-18-89, Cl. 455-612.000.

Iguchi, Masaru: *See*—
 Shimada, Tsuneyuki; and Iguchi, Masaru, 4,847,959, Cl. 24-671.000.

Iguchi, Seiya; Noguchi, Takeshi; Kimura, Hiroshi; and Aihara, Masayo, to Mitsui Toatsu Chemicals, Incorporated. Process and apparatus for producing immobilized enzyme granules. 4,800,160, 1-24-89, Cl. 435-177.000.

Iguchi, Seiya: *See*—
 Ogawa, Shinji; Iguchi, Seiya; Kimura, Hiroshi; and Ohmori, Yoh. 4,837,371, Cl. 548-497.000.

Iguchi, Shigeki: *See*—
 Tsugei, Shinji; Iguchi, Shigeki; and Inoue, Tomohiro, 4,890,258, Cl. 364-900.000.

Iguchi, Shigeru: *See*—
 Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, 4,820,022, Cl. 350-331.00R.

Iguchi, Susumu: *See*—
 Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,818,921, Cl. 318-269.000.
 Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,831,405, Cl. 354-409.000.

Iguchi, Tatsuya, to Nifco, Inc. Fastener. 4,874,276, 10-17-89, Cl. 411-48.000.

Igusa, Kazuo: *See*—
 Miwa, Kohtaro; Igusa, Kazuo; and Ogasawara, Toshichika, 4,871,772, Cl. 514-573.000.
 Nemoto, Kaoru; Igusa, Kazuo; and Ogasawara, Toshichika, 4,836,957, Cl. 260-397.200.

Igusa, Masaru; and Chiba, Takashi, to Sanden Corporation. Control device for a coffee roaster. 4,871,901, 10-3-89, Cl. 219-400.000.

iGuzzini Illuminazione, S.p.A.: *See*—
 Guerra, Gianfranco, 4,860, 81, Cl. 362-290.000.

Ih, Charles C., to University of Delaware. Making a holographic optical element using a computer-generated-hologram. 4,880,286, 11-14-89, Cl. 350-1.100.

Iha, Kiyoshi: *See*—
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Ihama, Mikio; Shuto, Sadanobu; Tani, Tadaaki; and Deguchi, Naoyasu, to Fuji Photo Film Co., Ltd. Method for manufacturing silver halide emulsion. 4,828,972, 5-9-89, Cl. 430-596.000.

Ihanamaki, Aimo: *See*—
 Tormala, Pertti; Pohjonen, Timo; Ihanamaki, Aimo; Jormalainen, Eero; and Linna, Kauko, 4,829,097, Cl. 521-109.100.

Ihara Chemical Industry Co., Ltd.: *See*—
 Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, 4,814,338, Cl. 514-275.000.
 Iwai, Kazuo; Kanazawa, Teiichi; and Oyaizu, Yoshijiro, 4,869,961, Cl. 428-407.000.
 Nishimura, Tatsumi; Eto, Eiichi; and Yamada, Toyofumi, 4,804,750, Cl. 536-20.000.
 Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, 4,832,729, Cl. 71-92.000.
 Suzuki, Toshihiro; and Higuchi, Yasushi, 4,822,933, Cl. 570-208.000.
 Suzuki, Toshihiro; and Komatsu, Chizu, 4,831,199, Cl. 570-208.000.
 Takematsu, Tetsuo; Konnai, Makoto; Shimizu, Kuniaki; Urushibata, Ikumi; and Kajiwara, Ikuo, 4,824,477, Cl. 71-103.000.
 Tokunaga, Yukio; Kojima, Yoshiyuki; Maeno, Shinichiro; Sawai, Nobumitsu; and Saso, Yasuo, 4,866,064, Cl. 514-258.000.
 Wada, Nobuhide; Saito, Yoshihiro; Kusano, Shoji; Toyokawa, Yasufumi; Miyazawa, Takeshige; and Takahashi, Satoru, 4,889,552, Cl. 71-92.000.
 Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,816,063, Cl. 71-90.000.
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 Yoshida, Yasuo; and Kimura, Yoshikazu, 4,845,304, Cl. 568-433.000.

Ihara, Hirokazu: *See*—
 Miyahara, Masaaki; Matsui, Atsuo; Shimizu, Koh; Ihara, Hirokazu; and Miyazawa, Teruo, 4,834,638, Cl. 425-116.000.
 Yasunobu, Seiji; Miyamoto, Shoji; and Ihara, Hirokazu, 4,852,007, Cl. 364-426.010.

Ihara, Hirotaka: *See*—
 Hirayama, Chuichi; Motozato, Yoshiaki; and Ihara, Hirotaka, 4,840,975, Cl. 521-183.000.

Ihara, Hiroyuki: *See*—
 Yano, Hisashi; Ihara, Hiroyuki; and Yabumoto, Junsuke, 4,865,632, Cl. 55-204.000.
 Yano, Hisashi; Ihara, Hiroyuki; and Yabumoto, Junsuke, 4,878,924, Cl. 55-204.000.

Ihara, Kazunori; Ohishi, Hiromi; and Yatagai, Shoko, to Mazda Motor Corporation. Catalyst and method of making the catalyst. 4,888,320, 12-19-89, Cl. 502-304.000.

Ihara, Keisuke; Alaki, Yasuhide; and Nomura, Jun, to Bridgestone Corporation. Golf ball. 4,840,381, 6-20-89, Cl. 273-232.000.
Ihara, Keisuke, to Bridgestone Corporation. Golf ball. 4,844,472, 7-4-89, Cl. 273-232.000.
Ihara, Keisuke, to Bridgestone Corporation. Golf balls. 4,867,459, 9-19-89, Cl. 273-232.000.
Ihara, Keisuke: *See—*
  Nomura, June; and Ihara, Keisuke, 4,869,512, Cl. 273-232.000.
Ihara, Masahiro; Suzuki, Kazuo; Maekawa, Hideya; Ito, Haremi; and Tanaka, Kenichi, to NGK Insulators, Ltd. Extrusion die, method of producing the same and method of reclaiming the same. 4,861,626, 8-29-89, Cl. 427-133.000.
Ihara, Masatoshi: *See—*
  Toda, Toshihiro; Mukainakano, Masato; Iwadare, Shigeto; and Ihara, Masatoshi, 4,817,372, Cl. 56-12.800
Ihata, Masanobu: *See—*
  Mayama, Tatsushige; Ihata, Masanobu; and Yoshimoto, Yoshihiko, 4,794,693, Cl. 30-162.000.
Ihata, Nobuo: *See—*
  Watahiki, Shinichi; Itoh, Nobuhiko; Ihata, Nobuo; and Miyasaka, Masao, 4,877,344, Cl. 400-124.000.
Ihde, Richard C.: *See—*
  Thompson, Kenneth P.; and Ihde, Richard C., 4,835,025, Cl. 428-34.200.
Ihlenfeld, Jay V.: *See—*
  Rice, David E.; and Ihlenfeld, Jay V., 4,818,801, Cl. 526-247.000.
Ihly Industries, Inc.: *See—*
  Kitt, Martin P., 4,870,847, Cl. 72-84.000.
Ihm, James M.: *See—*
  Pietrzak, Edward; and Ihm, James M., 4,852,706, Cl. 192-8.00R.
Ihm, Sun K.; and Lee, Dong K., to Korea Advanced Institute of Science and Technology. Process for manufacturing a titania supported palladium catalyst. 4,839,329, 6-13-89, Cl. 502-339.000.
Ihmels, Hartmut: *See—*
  Ihmels, Manfred; and Ihmels, Hartmut, 4,811,904, Cl. 239-345.000.
Ihmels, Manfred; and Ihmels, Hartmut. Spray medium inset for spraying pistols and a spraying pistol suitable for application of such insets. 4,811,904, 3-14-89, Cl. 239-345.000.
Ihn, Paul T.; and Boughten, Larry R., to Minnesota Mining and Manufacturing Company. Lens molding apparatus and method. 4,865,779, 9-12-89, Cl. 264-1.100.
Ihnat, Dale E.; Gilby, Anthony C.; and Anderson, Richard A., to Foxboro Company, The. Aligning optical and mechanical elements for optical motion sensing 4,831,252, 5-16-89, Cl. 250-227.000.
Ii, Akira: *See—*
  Tanaka, Yoshiyuki; Ii, Akira; Meguro, Taiichi; and Hayashi, Kenji, 4,858,136, Cl. 364-431.070.
Ii, Hidehiro, to Molex Incorporated. Connector for flat flexible circuit members. 4,824,391, 4-25-89, Cl. 439-329.000.
Ii, Hiroshi; Koyanagi, Katsubumi; and Yasuda, Syuhei, to Sharp Kabushiki Kaisha. Apparatus for recording and reproducing digital signals on magnetic tape. 4,845,574, 7-4-89, Cl. 360-51.000.
II Morrow, Inc.: *See—*
  Roth, Stephen A., 4,845,446, Cl. 333-81.00R.
Iida, Akihisa: *See—*
  Takahashi, Ippei; and Iida, Akihisa, 4,868,403, Cl. 250-563.000.
Iida, Akio: *See—*
  Yamamoto, Isao; Iida, Akio; and Kikuchi, Kaoru, 4,846,643, Cl. 425-7.000.
Iida, Atsuo: *See—*
  Kawabe, Kenji; Watanabe, Kazuhiro; Namiki, Fumihiro; Iida, Atsuo; and Shimura, Takaki, 4,825,115, Cl. 310-327.000.
Iida, Atsuomi: *See—*
  Kajino, Sadayosi; and Iida, Atsuomi, 4,887,056, Cl. 335-126.000.
Iida, Eiji, to GAC International, Inc. Orthodontic apparatus for attachment to a tooth. 4,889,485, 12-26-89, Cl. 433-9.000.
Iida, Eishi: *See—*
  Ichikawa, Kenji; Tsukamoto, Noboru; Iwado, Hitoshi; and Iida, Eishi, 4,830,992, Cl. 501-100.000.
Iida, Giichi; and Tsuboike, Yoshihiko, to Kioritz Corporation. Power equipment. 4,809,502, 3-7-89, Cl. 60-316.000.
Iida, Giichi; and Kodama, Taketomo, to Kioritz Corporation. Starting system for internal combustion engine. 4,884,535, 12-5-89, Cl. 123-179.00P.
Iida, Hajime; and Nakamura, Tadashi, to Takao Kinzoku Kogyo Co., Ltd. Plural welding rod welding apparatus. 4,889,967, 12-26-89, Cl. 219-87.000.
Iida, Haruki, to Ricoh Company, Ltd. Cleaning device having fur brush, scavenger roller and scraper for electrostatic recorder. 4,870,466, 9-26-89, Cl. 355-297.000.
Iida, Hideo, to Kokoku Rubber Technologies Inc. Pressure sensing device. 4,821,013, 4-11-89, Cl. 338-114.000.
Iida, Hideo: *See—*
  Tanaga, Shigenori; and Iida, Hideo, 4,847,586, Cl. 338-114.000.
Iida, Hiroyasu, to International Business Machines Corporation. Method and system for displaying images in adjacent display areas. 4,816,812, 3-28-89, Cl. 340-721.000.
Iida Industry Co., Ltd.: *See—*
  Kitoh, Osamu; and Ohashi, Masahiko, 4,874,650, Cl. 428-68.000.
Iida, Junichi: *See—*
  Marumo, Chihiro; Toida, Yoichi; Nemoto, Masatsugu; Iida, Junichi; and Sakuma, Kenji, 4,888,984, Cl. 73-105.000.
Iida, Katsumi: *See—*
  Doi, Shigetoshi; Anan, Yoshiaki; Nagaoka, Hirofumi; Iida, Katsumi; and Sakurai, Yoshihiko, 4,827,730, Cl. 62-127.000.
  Doi, Shigetoshi; Nagayama, Yoshiaki; Iida, Katsumi; and Sakurai, Yoshihiko, 4,858,677, Cl. 165-12.000.
  Ezaki, Hiroshi; Kobayashi, Yoneji; and Iida, Katsumi, 4,874,171, Cl. 273-77.00A.
Iida, Katumi. Aeration type water treating device. 4,859,321, 8-22-89, Cl. 210-150.000.
Iida, Kazuyoshi: *See—*
  Mizuno, Keiichiro; and Iida, Kazuyoshi, 4,877,136, Cl. 206-521.000
  Murase, Masanori; Tomita, Naotaka; and Iida, Kazuyoshi, 4,840,251, Cl. 181-206.000.
  Murase, Masanori; Tomita, Naotaka; Mizuno, Keiichiro; and Iida, Kazuyoshi, 4,858,720, Cl. 181-176.000.
Iida, Kazuyuki; Omori, Hiroyuki; Oonishi, Akiyoshi; and Takahashi, Masami, to Mitsubishi Petrochemical Co., Ltd. Stabilizer composition for synthetic resin and synthetic resin composition containing the same. 4,829,111, 5-9-89, Cl. 524-100.000.
Iida, Kozo: *See—*
  Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
Iida, Masayuki; and Tsurufuji, Shinichi, to Sanyo Electric Co., Ltd. Voice recognizing telephone. 4,864,622 9-5-89, Cl. 381-41.000.
Iida, Michihiro: *See—*
  Kakuta, Yonehiro; Takigawa, Kouichi; Noji, Akio; Kawabata, Shigeaki; Shimada, Tadashi, and Iida, Michihiro, 4,811,492, Cl. 33-366.000.
Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, to Hitachi, Ltd. Wind breaking assembly for a magnetic head. 4,879,618, 11-7-89, Cl. 360-106.000
Iida, Noboru: *See—*
  Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kawasuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, 4,814,337, Cl. 514-269.000.
Iida, Norihiko, to NEC Corporation. Semiconductor memory device having controllable redundant scheme. 4,809,228, 2-28-89, Cl. 365-189.000.
Iida, Noriyoshi; Uto, Nobutaka; Hiroi, Masakazu; and Hoshi, Akimitsu, to Canon Kabushiki Kaisha. Tray apparatus. 4,883,265, 11-28-89, Cl. 271-220.000.
Iida, Sachihiro, to Kawasaki Steel Corporation. Apparatus of cooling steel strip in continuous heat treating line. 4,798,367, 1-17-89, Cl. 266-80.000.
Iida, Sachihiro, to Kawasaki Steel Corporation. Apparatus of cooling steel strip. 4,838,526, 6-13-89, Cl. 266-80.000.
Iida, Satoshi: *See—*
  Hyogo, Yukihiro; Kimura, Kikuo; Iida, Satoshi; and Arai, Kazuya. 4,822,965, Cl. 200-333.000.
Iida, Seiichi: *See—*
  Hasegawa, Kenji; Matsui, Kyoji; Kita, Seiji; Kubo, Seiichiro; and Iida, Seiichi, 4,795,444, Cl. 604-218.000.
Iida, Setsuko: *See—*
  Maruhashi, Yoshitsugu; Iida, Setsuko; Sugisaki, Takashi; Mizutani, Yohji; and Kishida, Nobuhiro, 4,803,036, Cl. 264-526.000.
Iida, Shinobu; Fujiyama, Masaaki; Komine, Shigeo; and Yamada, Kosuke, to Fuji Photo Film Co., Ltd. Process for the preparation of magnetic recording medium. 4,888,212, 12-19-89, Cl. 427-130.000
Iida, Shozo: *See—*
  Kawase, Kaoru; Sakami, Hiroshi; and Iida, Shozo, 4,839,318, Cl. 502-62.000.
Iida, Tadao: *See—*
  Inaba, Takao; Sakai, Kenji; Iida, Tadao; and Maki, Masahisa, 4,844,642, Cl. 401-213.000.
Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takuya; Hamada, Masataka; Ishibashi, Kenji; and Ootsuka, Hiroshi, to Minolta Camera Kabushiki Kaisha. Focus detection condition display device for camera. 4,812,912, 3-14-89, Cl. 358-227.000.
Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takuya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, to Minolta Camera Kabushiki Kaisha. Camera. 4,816,860, 3-28-89, Cl. 354-402.000.
Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takuya; and Kondo, Takashi, to Minolta Camera Kabushiki Kaisha. White balance adjusting device for a color video camera. 4,843,456, 6-27-89, Cl. 358-29.000.
Iida, Takashi; Tsumazawa, Hiroyuki; Itoh, Masatoshi; and Kiten, Hiroshi, to Minolta Camera Kabushiki Kaisha. Camera. 4,847,650, 7-11-89, Cl. 354-400.000.
Iida, Takashi: *See—*
  Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.
Iida, Takeaki; and Kawabe, Takeshi, to Unitika, Ltd. Enzyme sensor for determining a concentration of glutamate. 4,812,220, 3-14-89, Cl. 204-403.000.
Iida, Takenobu: *See—*
  Yasukawa, Minoru; and Iida, Takenobu, 4,807,085, Cl. 361-321.000
Iida, Tamaki: *See—*
  Kitamura, Hajime; and Iida, Tamaki, 4,839,195, Cl. 427-38.000
Iida, Tetsunari: *See—*
  Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Minoru; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, 4,806,307, Cl. 420-528.000.
Iida, Tetsuya, to Tokyo Shibaura Denki Kabushiki Kaisha. High frequency voltage comparator circuit. 4,845,383, 7-4-89, Cl. 307-355.000.
Iida, Tetsuya, to Kabushiki Kaisha Toshiba. Compact R segment D/A converter. 4,873,525, 10-10-89, Cl. 341-145.000.
Iida, Tetsuya: *See—*
  Sugawa, Naoki; and Iida, Tetsuya, 4,827,260, Cl. 341-118.000.
Iida, Toshiharu; and Serizawa, Akio, to Fuji Photo Film Co., Ltd.; and Sony Corporation. Camera for shooting movie and still images. 4,825,290, 4-25-89, Cl. 358-209.000.
Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Ushiro, Seimei, to Fuji Photo Film Co., Ltd. Camera for shooting movie and still pictures. 4,829,384, 5-9-89, Cl. 358-229.000.
Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Masuda, Akira, to Fuji Photo Film Co., Ltd.; and Sony Corporation. Dual film and video tape camera. 4,862,280, 8-29-89, Cl. 358-229.000.
Iida, Toshikatsu; and Fujiwara, Takayoshi, to Kabushiki Kaisha Toshiba. Axial flow fluid compresser. 4,871,304, 10-3-89, Cl. 418-220.000.
Iida, Toshikatsu; Fujiwara, Takayoshi; and Sone, Yoshinori, to Kabushiki Kaisha Toshiba. Axial flow fluid compressor with angled blade. 4,872,820, 10-10-89, Cl. 418-220.000
Iida, Toshikatsu; Fujiwara, Takayoshi; and Fukuda, Tetsuo, to Kabushiki Kaisha Toshiba. Axial flow fluid compressor. 4,875,842, 10-24-89, Cl. 418-220.000.
Iida, Toshikatsu: *See—*
  Fujiwara, Takayoshi; Iida, Toshikatsu; and Fukuda, Tetuo, 4,802,827, Cl. 417-356.000.
Iida, Toshizo, to Mitsubishi Paper Mills, Ltd. Color developer sheet for pressure-sensitive recording. 4,824,825, 4-25-89, Cl. 503-214.000.
Iida, Yasunobu; Yanai, Toshiharu; and Furuya, Koichi, to Central Glass Company, Limited. Glass board for copying machines and method of producing same. 4,869,948, 9-26-89, Cl. 428-216.000.
Iida, Yoshiaki: *See—*
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Iida, Yoshimitsu; Terazono, Takashi; and Sumida, Shuji, to Chugai Seiyaku Kabushiki Kaisha. Method for production of stable nicorandil preparation. 4,803,213, 2-7-89, Cl. 514-355.000.
Iida, Yoshimitsu; and Sumida, Shuji, to Chugai Seiyaku Kabushiki Kaisha. Method for production of stable nicorandil preparation. 4,822,808, 4-18-89, Cl. 514-355.000.
Iida, Yoshio: *See—*
  Aranda, Michael A.; Ebbers, Timothy J.; Iida, Yoshio; Lindgren, Terence W.; and Robertson, Taggart H., 4,878,182, Cl. 364-518.000.
  Corona, James; and Iida, Yoshio, 4,819,185, Cl. 364-518.000.
  Ehner, Matthew; Iida, Yoshio; Kwong, Edward Y.; and Rahim, Omar M., 4,839,828, Cl. 364-518.000.
Iida, Yoshitaka: *See—*
  Seko, Kiyoshi; Soe, Kazuhiko; Koike, Mitsuru; and Iida, Yoshitaka, 4,833,884, Cl. 60-567.000.
Iida, Youichi: *See—*
  Yoshimura, Hiroshi; and Iida, Youichi, 4,823,646, Cl. 74-866.000.
Iihama, Takashi: *See—*
  Tanka, Kazuaki; Yokoyama, Ichiro; Yoneda, Shigeru; Wakayama, Satoshi; Urakawa, Makoto; and Iihama, Takashi, 4,819,160, Cl. 364-300.000.
Iihoshi, Akira; Nakamura, Yukinobu; and Yasui, Shinichiro, to Honda Giken Kogyo Kabushiki Kaisha. Apparatus for displaying travel path. 4,887,081, 12-12-89, Cl. 340-995.000.
Iijima, Chiyoaki: *See—*
  Wada, Hiroshi; Wada, Shinji; and Iijima, Chiyoaki, 4,844,569, Cl. 350-347.00R.
Iijima, Hideaki: *See—*
  Terashita, Takaaki; and Iijima, Hideaki, 4,797,713, Cl. 355-77.000.
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  Okamoto, Kiyokazu; Iijima, Hiroshi; Endo, Tetsuo; and Miyamoto, Yukio, 4,868,438, Cl. 310-166.000.
Iijima, Hitoshi: *See—*
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  Nishimura, Kunio; and Iijima, Hitoshi, 4,842,863, Cl. 424-438.000.
Iijima, Ikuo; Ozeki, Masakatsu; Okumura, Kunihito; and Inamasu, Masanori, to Tanabe Seiyaku Co., Ltd. Benzoxazine derivatives. 4,824,833, 4-25-89, Cl. 514-230.500.
Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, to Tanabe Seiyaku Co., Ltd. Benzo-furan derivative. 4,829,067, 5-9-89, Cl. 514-233.500.
Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, to Tanabe Seiyaku Co., Ltd. Benzofuran derivative and processes for preparing the same. 4,882,340, 11-21-89, Cl. 514-320.000.
Iijima, Katsuhiko; and Itami, Kazuo, to Mitsubishi Jukogyo Kabushiki Kaisha. Electric wheel drive. 4,799,564, 1-24-89, Cl. 180-65.500.
Iijima, Katsuhiko; Shiraishi, Yasumi; Mizoe, Shoji; and Ogata, Youichi, to Mitsubishi Jukogyo Kabushiki Kaisha; and Eagle Industry Co., Ltd. Floating seal device. 4,844,483, 7-4-89, Cl. 277-83.000.
Iijima, Katsumi: *See—*
  Sakagami, Wataru; and Iijima, Katsumi, 4,872,154, Cl. 369-54.000.
  Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.
Iijima, Kazumi: *See—*
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Iijima, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Drawing processing apparatus. 4,837,706, 6-6-89, Cl. 364-518.000.
Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; Yokoi, Katsuyuki; and Nishimura, Seiya, to Nippon Gakki Seizo Kabushiki Kaisha. Overlapped magnetoresistive displacement detecting transducers having closely spaced longitudinal centers. 4,806,860, 2-21-89, Cl. 324-208.000.
Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; and Usui, Akira, to Nippon Gakki Seizo Kabushiki Kaisha. Displacement detector for an encoder. 4,811,254, 3-7-89, Cl. 364-560.000.
Iijima, Kenzaburou; Hayashi, Yoshinori; Suzuki, Makoto; and Uchiyama, Atsushi, to Yamaha Corporation. Frequency sensing and control circuit. 4,847,879, 7-11-89, Cl. 377-43.000.
Iijima, Kenzaburou; and Hayashi, Yoshinori, to Yamaha Corporation. Input circuit for a digital phase locked loop. 4,879,674, 11-7-89, Cl. 364-724.030.
Iijima, Kenzaburou: *See—*
  Muramatsu, Toshihiro; Iijima, Kenzaburou; and Hayashi, Yoshinori, 4,855,740, Cl. 341-23.000.
  Nishimura, Seiya; Yamaguchi, Mitsuo; and Iijima, Kenzaburou, 4,851,752, Cl. 318-602.000.
Iijima, Makoto: *See—*
  Harada, Masato; Iijima, Makoto; and Saito, Noriaki, 4,831,091, Cl. 526-119.000.
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  Nakazato, Hiroshi; and Iijima, Mamoru, 4,830,182, Cl. 206-334.000.
  Nakazato, Hiroshi; and Iijima, Mamoru, 4,842,136, Cl. 206-328.000.
Iijima, Mutsuo. Optical disc protector and method for applying same. 4,879,710, 11-7-89, Cl. 369-291.000.
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Iijima, Nobuyuki: *See—*
  Ohkami, Takahide; Iijima, Nobuyuki; Sakamoto, Teijiro; and Hirai, Toshiyuki, 4,825,359, Cl. 364-200.000.
Iijima, Satoshi: *See—*
  Nakazawa, Yoshihiro; Kudou, Masayuki; Iijima, Satoshi; Sanada, Katsuiki; and Matsuo, Yoshihiro, 4,883,284, Cl. 280-293.000.
  Takasa, Kenji; and Iijima, Satoshi, 4,835,245, Cl. 528-230.000.
Iijima, Tadahiko; Kawai, Takumi; Tennichi, Yasuhiro; and Yanada, Sadao, to Hitachi, Ltd. Process control system and method thereof. 4,825,352, 4-25-89, Cl. 364-140.000.
Iijima, Takashi, to NEC Corporation. Frequency divider of pulses using ring-counters. 4,866,740, 9-12-89, Cl. 377-47.000.
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  Toyoguchi, Yoshinori; Yamaura, Junichi; Matsui, Tooru; and Iijima, Takashi, 4,851,309, Cl. 429-194.000.
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  Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.
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Iijima, Tetsuo: *See—*
  Yoshida, Isao; Okabe, Takeaki; Ito, Mitsuo; Ashikawa, Kazutoshi; and Iijima, Tetsuo, 4,831,424, Cl. 357-23.130.
Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, to Konishiroku Photo Industry Co., Ltd. Silver halide color photographic material containing a 1h-pyrazole (3,2-C)-s-triazole derived magenta coupler. 4,840,886, 6-20-89, Cl. 430-558.000.
Iijima, Toshiyuki: *See—*
  Kazama, Toyoki; Aizawa, Koichi; Hara, Kenichi; Iijima, Toshiyuki; and Takano, Yukio, 4,833,055, Cl. 430-66.000.
Iijima, Yasuo, to Kabushiki Kaisha Toshiba. Portable electronic device with garbage collection function. 4,800,520, 1-24-89, Cl. 364-900.000.
Iijima, Yasuo, to Kabushiki Kaisha Toshiba. Portable electronic apparatus with data remaining counter. 4,833,595, 5-23-89, Cl. 364-200.000.
Iijima, Yasuo, to Kabushiki Kaisha Toshiba. Portable electronic apparatus with a device for determining data validity. 4,839,792, 6-13-89, Cl. 364-200.000.
Iijima, Yasuo, to Kabushiki Kaisha Toshiba. Portable electronic device with means for checking data validity during read-out. 4,841,131, 6-20-89, Cl. 235-380.000.
Iijima, Yasuo, to Kabushiki Kaisha Toshiba. IC card having two output buffers. 4,845,717, 7-4-89, Cl. 371-60.000.
Iijima, Yasuo, to Kabushiki Kaisha Toshiba. Portable electronic device with plural memory areas. 4,887,234, 12-12-89, Cl. 364-900.000.
Iijima, Yasuo: *See—*
  Hirokawa, Katsuhisa; and Iijima, Yasuo, 4,827,512, Cl. 380-23.000.
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  Sakai, Yasuhito; and Iijima, Yoichi, 4,838,836, Cl. 474-28.000.
  Sakai, Yasuhito; and Iijima, Yoichi, 4,844,221, Cl. 192-3.560.
Iijima, Yoshio, to Daido Metal Company Ltd. Method and apparatus for producing flanged bush. 4,796,457, 1-10-89, Cl. 72-370.000.
Iijima, Zenshiro, to Adger Kogyo Co., Ltd. Ink composition and a pressure sensitive reproducing. 4,840,833, 6-20-89, Cl. 428-207.000.

Iikubo, Tomohito: *See—*
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Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, 4,810,287, Cl. 75-49.000.

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Iimori, Takeru: *See—*
Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 208-72.000.

Iimura, Haruo: *See—*
Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.

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Iimura, Seiji; Abe, Yoshio; Okumura, Jun; Naito, Takayuki; and Kamachi, Hajime, to Bristol-Myers Company. 3-(substituted)propenyl-7-(aminothiazolylacetamido) ceph-3-em-4-carboxylic acids and esters thereof. 4,874,856, 10-17-89, Cl. 540-222.000.

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Shibata, Ryoichi; Kinugawa, Kiyoshi; Iimura, Tsutomu; and Sawano, Yasuo, 4,888,464, Cl. 219-216.000.

Iimura, Yoshio; and Nagahara, Kazuyuki, to Hitachi Koki Company, Ltd. Battery charger. 4,873,479, 10-10-89, Cl. 320-2.000.

Iimuro, Shigeru, Kitamura, Takashi; and Morimoto, Yoshio, to Mitsui Toatsu Chemicals, Inc. Process for preparing bisphenol A. 4,798,654, 1-17-89, Cl. 203-94.000.

Iimuro, Shunichi: *See—*
Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.000.

Iino, Atsushi; and Kato, Nobuhide, to NGK Insulators, Ltd. Electrochemical gas sensor. 4,824,548, 4-25-89, Cl. 204-406.000.

Iino, Mitsuaki, to Idemitsu Kosan Company Limited. Method of and apparatus for measuring suspended fine particles. 4,848,905, 7-18-89, Cl. 356-338.000.

Iino, Shuji; Hotomi, Hideo; Fujiwara, Masanori; Doi, Isao; and Osawa, Izumi, to Minolta Camera Kabushiki Kaisha. Photosensitive member having an overcoat layer. 4,801,515, 1-31-89, Cl. 430-66.000.

Iino, Shuji; Hotomi, Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising charge generating layer and charge transporting layer. 4,810,606, 3-7-89, Cl. 430-58.000.

Iino, Shuji; and Ikegawa, Akihito, to Minolta Camera Kabushiki Kaisha. Digital printing apparatus. 4,855,768, 8-8-89, Cl. 346-160.100.

Iino, Shuji; Hotomi Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising charge generating layer and charge transporting layer having amorphous carbon. 4,863,821, 9-5-89, Cl. 430-58.000.

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Iino, Syuji; Hotomi, Hideo; Saeki, Noboru; Fujiwara, Masanori; Uchino, Fumiko; and Osawa, Izumi, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising charge generating layer and charge transporting layer. 4,797,338, 1-10-89, Cl. 430-58.000.

Iino, Syuji; Osawa, Izumi; and Hotomi, Hideo, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising charge generating layer and charge transporting layer. 4,868,076, 9-19-89, Cl. 430-58.000.

Iino, Syuji; Osawa, Izumi; and Hotomi, Hideo, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising charge generating layer and charge transporting layer. 4,871,632, 10-3-89, Cl. 430-58.000.

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Iino, Tadashi, to Yazaki Corporation. Optical apparatus having moving means for protecting an optical element for use in automatic vehicle. 4,804,836, 2-14-89, Cl. 250-201.000.

Iino, Tadashi, to Yazaki Corporation. Head up display apparatus for automotive vehicle. 4,831,366, 5-16-89, Cl. 340-705.000.

Iino, Tadashi, to Yazaki Corporation. Display apparatus for automotive vehicle. 4,837,551, 6-6-89, Cl. 340-705.000.

Iino, Tadashi, to Yazaki Corporation. Display apparatus for vehicle with means to prevent solar heating thereof. 4,886,328, 12-12-89, Cl. 340-980.000.

Iino, Takashi, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulic control device for a continuously variable transmission for motor vehicles. 4,887,428, 12-19-89, Cl. 60-468.000.

Iino, Takashi: *See—*
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Iino, Toshio; and Kai, Takayuki, to Daiwa Can Company, Limited. Apparatus for measuring size of seamed portion of cans. 4,862,596, 9-5-89, Cl. 33-522.000.

Iino, Yoshio: *See—*
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Iino, Yutaka; and Shigemasa, Takashi, to Kabushiki Kaisha Toshiba. Adaptive process control system. 4,882,526, 11-21-89, Cl. 318-561.000.

Iinuma, Humitoshi: *See—*
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Iinuma, Kazuhiro, to Kabushiki Kaisha Toshiba. Radiation imaging apparatus. 4,879,464, 11-7-89, Cl. 250-361.00R.

Iinuma, Kazumoto; Koga, Toshio; Furukawa, Akihiro; Okubo, Sakae; Hashimoto, Hideo; and Mukawa, Naoki, to NEC Corporation; and Nippon Telegraph and Telephone Corporation. Signal processing unit for producing a selected one of signals predictive of original signals. 4,802,006, 1-31-89, Cl. 358-135.000.

Iinuma, Yoshio: *See—*
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Iio, Masahiro, to Diesel Kiki Co., Ltd. Seizure-free vane rotary compressor with vanes, rotor and side blocks made of Si-Al alloy material. 4,815,953, 3-28-89, Cl. 418-179.000.

Iio, Masahiro, to Diesel Kiki Co., Ltd. Press-fit structure of a shaft. 4,886,392, 12-12-89, Cl. 403-282.000.

Iio, Satoshi; and Okuno, Akiyasu, to NGK Spark Plug Co., Ltd. Surface structure of AlN substrate and a process for producing the same. 4,840,853, 6-20-89, Cl. 428-698.000.

Iio, Tsukasa; Mochizuki, Yoshinori; Fujii, Hiroshi; Genba, Yasusi; and Moriwaki, Hideaki, to Mitsubishi Denki Kabushiki Kaisha. Circuit interrupter. 4,799,037, 1-17-89, Cl. 335-46.000.

Iio, Tsukasa; Mochizuki, Yoshinori; Genba, Yasusi; Fujii, Hiroshi; and Moriwaki, Hideaki, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,808,953, 2-28-89, Cl. 335-42.000.

Iio, Tsukasa: *See—*
Fujii, Hiroshi; Iio, Tsukasa; Genba, Yasusi; Moriwaki, Hideaki; and Mochizuki, Yoshinori, 4,882,556, Cl. 335-8.000.

Iio, Tukasa; and Egusa, Sumio, to Mitsubishi Denki Kabushiki Kaisha. Power distribution board with improved mounting arrangement for circuit interrupters. 4,825,336, 4-25-89, Cl. 361-355.000.

Iishiki, Naotsugu; Okano, Shigetou; and Mishima, Shiro, to Yamato Kosan Co., Ltd. Heat exchanging system. 4,876,856, 10-31-89, Cl. 60-671.000.

Iiskolan, Eero; and Koskinen, Jukka, to Neste Oy. Procedure for manufacturing catalyst components for polymerizing olefines. 4,829,034, 5-9-89, Cl. 302-9.000.

IIT Research Institute: *See—*
Bangs, Edmund R.; Longinow, Nicholas E.; and Blaha, James R., 4,877,940, Cl. 219-124.340.
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Iiyama, Kiyotaka; and Hayakawa, Kunio, to Ricoh Company, Ltd. Coloring phthalide compounds, method of producing the compounds and recording materials using any of the compounds as coloring component. 4,880,762, 11-14-89, Cl. 503-220.000.

Iiyama, Kiyotaka: *See—*
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Iizuka, Akichika, to Iizuka Electric Industry Company Limited. Electric jack. 4,867,708, 9-19-89, Cl. 439-668.000.

Iizuka Electric Industry Company Limited: *See—*
Iizuka, Akichika, 4,867,708, Cl. 439-668.000.
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Iizuka, Hajime: *See—*
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Iizuka, Hiroshi; and Kakiuchi, Shizuo, to Pioneer Electronic Corporation. Logarithmic digital level display device. 4,855,741, 8-8-89, Cl. 341-75.000.

Iizuka, Hiroshi: *See—*
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Iizuka, Hiroyuki: *See—*
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Iizuka, Hisao; Hiratsuka, Shigetoshi; Tanno, Kiyohiko; Satou, Teruji; and Ashizuka, Norihiro, to Hitachi Cable, Ltd.; and Hitachi, Ltd. Optical printer head with a light emitting diode array. 4,879,321, 5-9-89, Cl. 346-107.00R.

Iizuka, Kenichi: *See—*
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Yamashita, Koujirou; Endo, Stunehiro; Miyashita, Kunio; Kashiwazaki, Susumu; and Iizuka, Kenichi, 4,855,652, Cl. 318-268.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, to Kissei Pharmaceutical Co., Ltd. Novel amino acid derivatives. 4,841,067, 6-20-89, Cl. 548-344.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, to Kissei Pharmaceutical Co., Ltd. Amino acid derivatives. 4,853,463, 8-1-89, Cl. 530-323.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, to Kissei Pharmaceutical Co., Ltd. Novel renin inhibitory amino acid derivatives. 4,857,650, 8-15-89, Cl. 548-336.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, to Kissei Pharmaceutical Co., Ltd. Dipeptides as renin inhibitors. 4,863,904, 9-5-89, Cl. 514-18.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, to Kissei Pharmaceutical Co., Ltd. Novel amino acid derivatives. 4,870,183, 9-26-89, Cl. 546-210.000.

Iizuka, Kiyoshi; and Suzuki, Takashi, to Canon Kabushiki Kaisha. Liquid crystal focusing screen having different groups of electrodes. 4,795,238, 1-3-89, Cl. 350-332.000.

Iizuka, Kozo: *See—*
Tsuchitani, Masatoshi; Naito, Sakae; and Nakajima, Ryoichi, 4,820,401, Cl. 208-40.000.

Iizuka, Michio; Shiba, Haruo; and Okamura, Masatoshi, to TDK Corporation. Guide member in a cassette for data carrying material. 4,863,116, 9-5-89, Cl. 242-199.000.

Iizuka, Nobuo: *See—*
Hashimoto, Hiroyuki; Iizuka Nobuo; and Suzuki, Akira, 4,850,030, Cl. 455-31.000.

Iizuka, Nobuyuki; Hisano, Katsukuni; Wada, Katsuo; Hirose, Fumiyuki; and Arai, Osamu, to Hitachi, Ltd. Combustion air flow rate adjusting device for gas turbine combustor. 4,829,764, 5-16-89, Cl. 60-39.230.

Iizuka, Nobuyuki; Kumata, Kazuhiko; and Kuroda, Michio, to Hitachi, Ltd. Gas turbine combustion apparatus. 4,872,312, 10-10-89, Cl. 60-760.000.

Iizuka, Nobuyuki: *See—*
Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.

Iizuka, Shigeo; and Saito, Tadao, to Yoshino Kogyosho Co., Ltd. Container type toilet implement. 4,808,022, 2-28-89, Cl. 401-176.000.

Iizuka, Shigeo; and Tanno, Isao, to Yoshino Kogyosho Co., Ltd. Container with elastically reversible hinge. 4,863,048, 9-5-89, Cl. 215-235.000.

Iizuka, Shinji, to Fuji Photo Film Co., Ltd. Photosensitive plate autofeeder. 4,815,723, 3-28-89, Cl. 271-14.000.

Iizuka, Takahiro: *See—*
Yamada, Motoyuki; Hayashida, Akira; Numanami, Kazutoshi; and Iizuka, Takahiro, 4,849,196, Cl. 423-345.000.

Iizuka, Takao; and Ota, Akiho, to Yoshino Kogyosho Co., Ltd. Method for forming plastic containers. 4,822,543, 4-18-89, Cl. 264-521.000.

Iizuka, Takao; and Ota, Akiho, to Yoshino Kogyosho Co., Ltd. Apparatus for forming plastic containers. 4,884,961, 12-5-89, Cl. 425-195.000.

Iizuka, Takashi: *See—*
Arai, Yasunori; Yoshida, Kazushi; and Iizuka, Takashi, 4,819,035, Cl. 355-55.000.

Iizuka, Tetsuya: *See—*
Matsui, Masataka; Iizuka, Tetsuya; Tsujimoto, Jun-ichi; Ohtani, Takayuki; and Isobe, Mitsuo, 4,813,022, Cl. 365-203.000.
Nakano, Etsuo; Furujo, Akira; and Iizuka, Tetsuya, 4,803,405, Cl. 315-111.210.
Sakurai, Takayasu; and Iizuka, Tetsuya, 4,857,763, Cl. 307-443.000.

Iizuka, Toshiaki: *See—*
Miyazaki, Kenichi; Iizuka, Toshiaki; and Asai, Koichi, 4,834,007, Cl. 112-121.110.

Iizuka, Toshimi; and Kamata, Shigeru, to Canon Kabushiki Kaisha. Lens barrel. 4,812,015, 3-14-89, Cl. 350-252.000.

Iizuka, Tsunee, to Fuji Jukogyo Kabushiki Kaisha. Fuel injection control system for an automotive engine. 4,819,605, 4-11-89, Cl. 123-492.000.

Iizuka, Yasuhiro; Inoue, Makoto; and Mitomi, Takeshi, to Toyo Boseki Kabushiki Kaisha. Electrode for flow-through type electrolytic cell. 4,828,666, 5-9-89, Cl. 204-255.000.

Iizuka, Yasuhiro: *See—*
Yamazaki, Takeshi; Yoshida, Nobuyuki; and Iizuka, Yasuhiro, 4,808,444, Cl. 427-420.000.

Iizuka, Yo; Iwasaki, Takao; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Polyarylene sulfide preparation in titanium reaction vessel with two distinct temperature ranges. 4,812,539, 3-14-89, Cl. 526-62.000.

Iizuka, Yo: *See—*
Iwasaki, Takao; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,814,430, Cl. 528-388.000.
Kobayashi, Akio; Kouyama, Toshitaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,801,416, Cl. 264-177.100.
Kouyama, Toshitaka; Egawa, Harunobu; Iizuka, Yo; and Shiiki, Zenya, 4,816,335, Cl. 428-364.000.
Kouyama, Toshitaka; Katto, Takayuki; Iwasaki, Takao; Iizuka, Yo; and Shiiki, Zenya, 4,863,669, Cl. 264-532.000.
Satake, Yoshikatsu; Kashiwadate, Ken; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,826,906, Cl. 524-381.000.
Satake, Yoshikatsu; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,873,283, Cl. 524-520.000.
Satake, Yoshikatsu; Kaneko, Takashi; Kobayashi, Yutaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,886,871, Cl. 528-226.000.
Shiiki, Zenya; Katto, Takayuki; Iizuka, Yo; Iwasaki, Takao; and Kouyama, Toshitaka, 4,795,671, Cl. 428-209.000.

Iizuka, Yoshio: *See—*
Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.
Yoshioka, Takao; Kitazawa, Eiichi; Yamazaki, Mitsuo; and Iizuka, Yoshio, 4,871,762, Cl. 514-439.000.

Iizuma, Masahiro: *See—*
Asada, Yoshihisa; and Iizuma, Masahiro, 4,830,457, Cl. 350-96.200.

Iizumi, Kenichi: *See—*
Matsuishi, Naoto; Takeda, Haruki; Iizumi, Kenichi; Murakami, Kiyokazu; and Hisamitsu, Akira, 4,808,596, Cl. 514-303.000.

Iizumi, Tomomitsu, to SMC Corporation. Pressure meter. 4,850,228, 7-25-89, Cl. 73-727.000.

Iizumi, Tomoo; and Kaneko, Tooru, to Alps Electric Co., Ltd. Disk driving device. 4,847,704, 7-11-89, Cl. 360-48.000.

Iizumi, Tomoo: *See—*
Ide, Jun; Iizumi, Tomoo; Takahashi, Yoshitaka; Yoshida, Hiroshi; Kaneko, Tooru; and Hishi, Yuichi, 4,839,753, Cl. 360-48.000.
Ide, Jun; and Iizumi, Tomoo, 4,876,618, Cl. 360-78.130.
Kowaguchi, Toru; Kaneko, Tooru; Ide, Jun; and Iizumi, Tomoo, 4,860,131, Cl. 360-78.140.

Ijames, Carl E.; and Ijames, Kevin M., to Ace Manufacturing and Parts Co. Method of converting a friction clutch assembly. 4,815,189, 3-28-89, Cl. 29-401.100.

Ijames, Kevin M.: *See—*
Ijames, Carl E.; and Ijames, Kevin M., 4,815,189, Cl. 29-401.100.

Ijichi, Ichiro: *See—*
Sakuramoto, Takahumi; Asoshina, Eishi; Tominaga, Takashi; Ijichi, Ichiro; Kamei, Kiyohiro; and Konishi, Toshiharu, 4,797,251, Cl. 419-9.000.

Ijichi, Kouichi: *See—*
Kobayashi, Sadao; Ishihara, Yuji; Sato, Katsuyuki; and Ijichi, Kouichi, 4,876,141, Cl. 428-217.000.

Ijichi, Yuji, to Rockwell International Corporation. Ink roller for rotary press. 4,882,990, 11-28-89, Cl. 101-348.000.

Ijiri, Waichiro; Watanabe, Masayuki; and Ohashi, Yoshihiro, to Koyo Seiko Co., Ltd. Power steering apparatus. 4,865,145, 9-12-89, Cl. 180-791.000.

Ijitsu, Takanori: *See—*
Uekama, Kaneto; Tahara, Yoshiyuki; Ijitsu, Takanori; and Yamada, Tadashi, 4,869,904, Cl. 424-400.000.

IKA-Maschinenbau Janke & Kunkel GmbH & Co. KG: *See—*
Wanninger, Peter, 4,797,080, Cl. 425-203.000.

Ikada, Junji; and Mano, Eiko, to Daiichi Seiyaku Co., Ltd. 3′,5′-Camp derivatives for treatment of certain types of skin ulcers. 4,873,227, 10-10-89, Cl. 514-47.000.

Ikada, Yoshito; Gen, Shokyu; Kawai, Tatsuya; and Matsuda, Takashi, to Japan Medical Supply Co., Ltd.; Gunze Co., Ltd.,; and Bio Materials Universe, Inc., part interest to each. Sucrose fatty acid ester coated suture. 4,844,067, 7-4-89, Cl. 128-335.500.

Ikada, Yoshito; Gen, Shokyu; Ohi, Shigeo; Urabe, Yosuke; and Kawashima, Hiroyuki, to Dow Corning Kabushiki Kaisha. Artificial skin. 4,882,162, 11-21-89, Cl. 424-444.000.

Ikada, Yoshito: *See—*
Hyon, Suong-Hyu; and Ikada, Yoshito, 4,874,562, Cl. 264-1.400.
Okada, Masao; Sakai, Kazuhiko; Kimura, Haruo; and Ikada, Yoshito, 4,878,907, Cl. 623-1.000.

Ikai, Takashi: *See—*
Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Watanabe, Shigeomi, 4,885,022, Cl. 71-86.000.
Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,830,660, Cl. 71-92.000.
Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; and Nawamaki, Tsutomu, 4,881,965, Cl. 71-92.000.

Ikai, Takasi: *See—*
Numata, Tatsuo; Hatanaka, Masataka; Watanabe, Junichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,824,474, Cl. 71-92.000.
Yamamoto, Susumu; Takuya, Kakuta; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,844,728, Cl. 71-92.000.

Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, to Matsushita Electric Works, Ltd.; and Toyota Jidosha Kabushiki Kaisha. Optically scanning displacement sensor with linearity correction means. 4,864,147, 9-5-89, Cl. 250-560.000.

Ikari, Yoshiki; Hori, Tadashi; Suzuki, Fujio; Tsunekawa, Shyozi; Yamada, Wazoh; and Maeda, Hideo, to Sanyo Electric Co., Ltd. Air conditioner. 4,869,075, 9-26-89, Cl. 62-280.000.

Ikariya, Toshiyuki; Takahashi, Kiyohiko; Shibazaki, Osamu; and Sakamoto, Nori, to Konica Corporation. Photographic film spool. 4,834,310, 5-30-89, Cl. 242-74.000.

Ikawa, Kiyoshi: *See—*
Saeki, Tadashi; Ikawa, Kiyoshi; Kurita, Seiji; and Ueno, Katsuji, 4,824,905, Cl. 525-66.000.

Ikawa, Koji, to Ricoh Company, Limited. Method and apparatus for automatically recognizing tab position. 4,829,474, 5-9-89, Cl. 364-900.000.

Ikawa, Syouji: *See—*

Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Noro, Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, 4,841,431, Cl. 364-187.000.

Ike, Yujiro; Yonezawa, Akihiro; Ooshima, Shinichi; Kamiya, Akihiro; and Hirose, Yoshio, to Kabushiki Kaisha Toshiba. High pressure sodium lamp. 4,800,321, 1-24-89, Cl. 313-639.000.

Ikea, Yuto: *See—*

Horiba, Yasutaka; Nakaya, Masao; and Ikea, Yuto, 4,804,848, Cl. 250-394.000.

Ikebe, Kouichi: *See—*

Ozaki, Hiroshi; and Ikebe, Kouichi, 4,796,248, Cl. 369-45.000.

Ikebe, Masaru: *See—*

Hashizume, Kenji; Ikebe, Masaru; and Okamura, Masatoshi, 4,865,265, Cl. 242-199.000.

Satoh, Takateru; Shiba, Haruo; and Ikebe, Masaru, 4,847,717, Cl. 360-132.000.

Tanaka, Kimio; Sasaki, Morimasa; and Ikebe, Masaru, 4,862,448, Cl. 369-291.000.

Ikebe, Takashi; and Takigawa: Masuhiko, to Masuhiko Takigawa. Device for deodorizing and drying portion between toes. 4,877,018, 10-31-89, Cl. 128-81.00R.

Ikebe, Tsuguo: *See—*

Murakami, Shu; Ikebe, Tsuguo; Hakamada, Ichiro; and Yaoka, Osamu, 4,882,326, Cl. 514-211.000.

Tahara, Tetsuya; Ikebe, Tsuguo; Hakamada, Ichiro; and Yaoka, Osamu, 4,874,759, Cl. 514-232.500.

Ikebe, Yoshinori; Tamura, Hifumi; and Izumi, Eiichi, to Hitachi, Ltd. Method of holding an electrically insulating sample. 4,833,331, 5-23-89, Cl. 250-440.100.

Ikebuchi, Iwao; Nakano, Mamoru; Fuse, Kazuo; and Ganze, Akira, to Kubota Ltd. Cyclone classifier. 4,872,973, 10-10-89, Cl. 209-144.000.

Ikeda, Akira; Nakayama, Shigeki; Ezaki, Kenji; Ishii, Toshitsugu; and Itakura, Isao, to Mitsubishi Denki Kabushiki Kaisha. Method of enhancing plant growth and apparatus for performing the same. 4,817,332, 4-4-89, Cl. 47-17.000.

Ikeda, Atsushi: *See—*

Nakajima, Masato; Otsuki, Toshiaki; and Ikeda, Atsushi, 4,842,691, Cl. 162-158.000.

Ohara, Sosaburo; Ikeda, Atsushi; Shinohara, Seigo; and Kijima, Tetsuo, 4,880,557, Cl. 252-174.150.

Ikeda Bussan Co., Ltd.: *See—*

Aihara, Tsutomu; Hirama, Yasuo; and Iwamoto, Hiroaki, 4,805,866, Cl. 248-429.000.

Hosoe, Takashi, 4,822,101, Cl. 297-379.000.

Ichikawa, Kenji, 4,880,274, Cl. 297-362.000.

Isomura, Toru; Yamaji, Tomohiro; and Ikeda, Chikamasa, 4,853,687, Cl. 340-825.300.

Izumida, Satoshi; Kitamura, Katsumi; Kurita, Masaru; and Tanaka, Yasuo. 4,834,458, Cl. 297-459.000.

Izumida, Satoshi, 4,836,597, Cl. 296-63.000.

Izumida, Satoshi; and Kitamura, Katsumi, 4,883,320, Cl. 297-452.000.

Kagata, Sadatoshi, 4,824,504, Cl. 156-216.000.

Kanazawa, Yuzo, 4,801,177, Cl. 297-367.000.

Kanazawa, Yuzo; and Mathubara, Tomoki, 4,849,046, Cl. 156-267.000.

Kondo, Nobuaki; and Ishimaru, Kiichiro, 4,829,644, Cl. 29-91.100.

Kondo, Toru, 4,838,513, Cl. 248-503.100.

Kuwabara, Akira; and Sakamoto, Manabu, 4,848,826, Cl. 296-97.230.

Masui, Toshio, 4,848,836, Cl. 297-220.000.

Miyauchi, Fumio, 4,813,741, Cl. 297-341.000.

Mizuno, Hisayoshi; and Mori, Masami, 4,824,070, Cl. 249-93.000.

Mizuno, Hisayoshi; and Nara, Fumio, 4,833,741, Cl. 5-404.000.

Munakata, Kiyohiko; Tanaka, Yuji; and Chinomi, Isamu, 4,821,989, Cl. 248-430.000.

Okusau, Takeshi; Sakamoto, Manabu; and Kudo, Hiroaki, 4,830,599, Cl. 425-521.000.

Saito, Masatsugu; Ikeda, Chikamasa; and Takeoda, Seisei, 4,808,897, Cl. 318-568.000.

Saitoh, Masatsugu, 4,809,180, Cl. 364-424.050.

Saitoh, Masatsugu; and Ikeda, Chikamasa, 4,833,614, Cl. 364-424.050.

Shoji, Makoto; and Oshikawa, Yoshitoshi, 4,824,069, Cl. 249-91.000.

Sugiura, Takashi; Matsuura, Ichiro; Miyauchi, Fumio; and Chiyoshi, Toyoharu, 4,886,630, Cl. 264-46.600.

Sugiyama, Hiroshi; Fujiwara, Mikio; and Ikeda, Chikamasa, 4,797,824, Cl. 364-424.050.

Sugiyama, Hiroshi, 4,836,608, Cl. 297-367.000.

Takahashi, Fujio, 4,810,035, Cl. 297-464.000.

Takahashi, Fujio, 4,830,433, Cl. 297-378.000.

Tamura, Hisao; Tokumitsu, Shuichi; and Tagawa, Yuji, 4,796,951, Cl. 297-337.000.

Yamashita, Takashi, 4,858,994, Cl. 297-391.000.

Yamauchi, Yoshihiko, 4,805,953, Cl. 296-65.100.

Yamauchi, Yoshihiko, 4,877,282, Cl. 296-65.100.

Yamazaki, Hiroshi; Hara, Toshiyuki; Tanaka, Yuji; and Mouri, Takayuki, 4,880,264, Cl. 292-226.000.

Ikeda, Chikaho: *See—*

Shimizu, Norimitu; and Ikeda, Chikaho, 4,882,620, Cl. 358-75.000.

Ikeda, Chikamasa: *See—*

Isomura, Toru; Yamaji, Tomohiro; and Ikeda, Chikamasa, 4,853,687, Cl. 340-825.300.

Saito, Masatsugu; Ikeda, Chikamasa; and Takeoda, Seisei, 4,808,897, Cl. 318-568.000.

Saitoh, Masatsugu; and Ikeda, Chikamasa, 4,833,614, Cl. 364-424.050.

Sugiyama, Hiroshi; Fujiwara, Mikio; and Ikeda, Chikamasa, 4,797,824, Cl. 364-424.050.

Ikeda, Daishiro: *See—*

Okami, Yoshiro; Kondo, Shinichi; Ikeda Daishiro; and Umezawa, Hamao, deceased, 4,795,743, Cl. 514-36.000.

Ikeda, Etsujiro, to Jyoni Business Forms Co., Ltd.; and Honshu Seishi Kabushiki Kaisha. Sealed letter. 4,801,074, 1-31-89, Cl. 229-71.000.

Ikeda, George; and Walker, William B., to Ikege, Inc. Insulating plastic film structures and method. 4,878,322, 11-7-89, Cl. 52-2.000.

Ikeda, Go; Sasaki, Kiyoshi; Kumazaki, Hiroshi; Fujita, Shigeru; and Banzai, Hideo, to Toshiba Kikai Kabushiki Kaisha. Temperature indicating control apparatus having data storing function. 4,841,459, 6-20-89, Cl. 364-557.000.

Ikeda, Goroo: *See—*

Shiono, Katsumi; Shinohara, Hideo; Naito, Sadao; and Ikeda, Goroo, 4,799,166, Cl. 364-497.000.

Ikeda, Hajime: *See—*

Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinichi, 4,858,133, Cl. 364-424.040.

Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinichi, 4,866,616, Cl. 364-424.040.

Ikeda, Haruhiko; Higuchi, Masahiro; and Ohkura, Hirokazu, to Mitsubishi Paper Mills, Ltd. Heat-sensitive recording material. 4,837,197, 6-6-89, Cl. 503-209.000.

Ikeda, Haruhiko; Okada, Akinori; and Ohkura, Hirokazu, to Mitsubishi Paper Mills, Limited. Heat-sensitive recording material. 4,855,279, 8-8-89, Cl. 503-209.000.

Ikeda, Hayato; Tsuzuki, Isao; and Ohta, Kazuhiro, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Discharge arrangement of a compressor having a plurality of compression chambers. 4,813,852, 3-21-89, Cl. 417-269.000.

Ikeda, Hayato; Kitahama, Satoshi; and Onomura, Hiroshi, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Turbulence generating device adjacent the inlet end of each discharge port of a multi-cylinder piston-type compressor for providing internal pulsation and noise suppression. 4,836,754, 6-6-89, Cl. 417-269.000.

Ikeda, Hayato; Hoshino, Tatsuyuki; and Sawada, Masahiro, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Multi-cylinder refrigerant gas compressor with a muffling arrangement. 4,863,356, 9-5-89, Cl. 417-269.000.

Ikeda, Hayato; Mori, Hideo; and Mizutani, Toshinari, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Reciprocatory piston type compressor with noise free suction valve mechanism. 4,867,650, 9-19-89, Cl. 417-269.000.

Ikeda, Hayato; Ohta, Kazuhiro; and Kawamura, Hisato, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Multi-piston swash plate type compressor with arrangement for internal sealing and for uniform distribution of refrigerant to cylinder bores. 4,880,361, 11-14-89, Cl. 417-269.000.

Ikeda, Hayato; Kawamura, Hisato; and Ishihara, Shinichi, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Multi-piston swash plate type compressor with damping arrangement for discharge reed valves. 4,886,424, 12-12-89, Cl. 417-269.000.

Ikeda, Hayato: *See—*

Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.

Ikeda, Hidekatsu; Miyama, Hidetoshi; and Kashiwabara, Yoshihiko, to Amada Company, Limited. Plate processing machine. 4,802,567, 2-7-89, Cl. 198-345.000.

Ikeda, Hidekatsu: *See—*

Yanagisawa, Masayoshi; and Ikeda, Hidekatsu, 4,829,864, Cl. 83-33.000.

Ikeda, Hideo; Fujita, Munehisa; Ishimaru, Shingo; Ayato, Hiroshi; and Urabe, Shigeharu, to Fuji Photo Film Co., Ltd. Silver halide emulsion and photographic light-sensitive material using tabular grains having ten or more dislocations per grain. 4,806,461, 2-21-89, Cl. 430-567.000.

Ikeda, Hideo; and Suga, Shuzo, to Fuji Photo Film Co., Ltd. Silver halide emulsion. 4,818,669, 4-4-89, Cl. 430-509.000.

Ikeda, Hideo; Suga, Shuzo; and Miyasaka, Nobuaki, to Fuji Photo Film Co., Ltd. Silver halide emulsion. 4,853,323, 8-1-89, Cl. 430-569.000.

Ikeda, Hideo: *See—*

Miyasaka, Nobuaki; Ikeda, Hideo, Sakai, Minoru; Ohno, Shigeru; and Mukunoki, Yasuo, 4,818,675, Cl. 430-567.000.

Ikeda, Hiroaki: *See—*

Imazeki, Shuichi; and Ikeda, Hiroaki, 4,831,591, Cl. 365-189.080.

Watanabe, Hiroshi; Asano, Takashi; Ikeda, Hiroaki; Imazeki, Shuichi; Shiiya, Yoshitaka; and Nishikawa, Yasushi, 4,811,305, Cl. 365-239.000.

Ikeda, Hironosuke; Ezaki, Tadashi; Yoshida, Kakushiyou; Yamaguchi, Rikizou; and Suenaga, Kazuhiro, to Sanyo Electric Co., Ltd.; and Saga Sanyo Industry Co., Ltd. Aluminum solid electrolytic capacitor and manufacturing method thereof. 4,876,451, 10-24-89, Cl. 361-540.000.

Ikeda, Hiroshi; Umemura, Shinichiro; Ishikawa, Shizuo; Katakura, Kageyoshi; Ichikawa, Noriyoshi; and Mitake, Tsuyoshi, to Hitachi Medical Corporation. Ultrasonic diagnosis apparatus. 4,803,993, 2-14-89, Cl. 128-660.010.

Ikeda, Hiroshi; Umemura, Shinichiro; and Katakura, Kageyoshi, to Hitachi Medical Corp. Ultrasonic diagnosis apparatus capable of probe exchange. 4,811,740, 3-14-89, Cl. 128-660.010.

Ikeda, Hiroshi, to Nissan Motor Co., Ltd. Rotation angle detector. 4,827,122, 5-2-89, Cl. 250-231.0SE.

Ikeda, Hiroshi; and Takeshita, Shuji, to Fujitsu Limited. Automatic focusing system of an observing means for inspecting an object. 4,851,903, 7-25-89, Cl. 358-101.000.

Ikeda, Hiroshi; Tsunashima, Makoto; and Mieda, Akihiko, to Mitsubishi Kinzoku Kabushiki Kaisha. Process for preparing chloropolysilanes. 4,861,574, 8-29-89, Cl. 423-342.000.

Ikeda, Hiroshi: *See—*

Hagisawa, Nobuyasu; and Ikeda, Hiroshi, 4,795,872, Cl. 219-10.61R.

Hasegawa, Kazumi; Ikeda, Hiroshi; and Ito, Wataru, 4,813,800, Cl. 400-606.000.

Kondo, Shinichi; Katakura, Kageyoshi; Ogawa, Toshio; Umemura, Shin'ichiro; and Ikeda, Hiroshi, 4,841,491, Cl. 367-103.000.

Saijo, Hiromitsu; Ikeda, Hiroshi; Hayashi, Masamichi; and Matsuda, Shinya, 4,825,241, Cl. 355-3.0DD.

Ikeda, Hiroyuki; Matsumoto, Yukihiro; and Nishimura, Koyu, to Mitsubishi Rayon Company, Ltd. Process for preparation of acrylic resin sheets having excellent moldability and solvent resistance. 4,803,026, 2-7-89, Cl. 264-216.000.

Ikeda, Hiroyuki: *See—*

Kato, Masayuki; Yamagishi, Fumio; Hasegawa, Shin-ya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,824,191, Cl. 350-3.720.

Kato, Masayuki; Maeda, Satoshi; Yamagishi, Fumio; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,832,464, Cl. 350-3.720.

Yamagishi, Fumio; Hasegawa, Shinya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,810,046, Cl. 350-371.000.

Yamazaki, Kozo; Ichikawa, Toshiyuki; Ikeda, Hiroyuki; Inagaki, Takefumi; Aritake, Hirokazu; and Yamagishi, Fumio, 4,848,862, Cl. 350-3.710.

Ikeda, Hisami: *See—*

Old, Lloyd J.; Oettgen, Herbert F.; Ikeda, Hisami; Li, Lucy T. C.; Lloyd, Kenneth O.; and Dippold, Wolfgang G., 4,808,704, Cl. 530-387.000.

Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hirosi; and Maeda, Koichi, to Nissan Chemical Industries Ltd. Papermaking method. 4,840,705, 6-20-89, Cl. 162-175.000.

Ikeda, Isamu: *See—*

Ueda, Yutaka; Ikeda, Isamu; Kiriake, Masaharu; and Nakada, Kazuhiko, 4,809,919, Cl. 242-35.50R.

Ikeda, Jiro: *See—*

Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl. 350-96.230.

Ikeda, Kazuhisa: *See—*

Okada, Hiroshi; Kato, Yukihiro; Ina, Osamu; and Ikeda, Kazuhisa, 4,838,089, Cl. 73-727.000.

Ikeda, Kazuo: *See—*

Takeda, Masatoshi; Ikeda, Kazuo; Tominaga, Yoshiharu; and Mori, Kenji, 4,812,669, Cl. 307-105.000.

Ikeda, Keiichi: *See—*

Itoh, Masayoshi; Miyagawa, Hiroharu; Murakami, Masami; Abe, Tomohiro; Inoue, Kaoru; and Ikeda, Keiichi, 4,808,392, Cl. 423-347.000.

Ikeda, Ken: *See—*

Tachita, Ryobun; Ikeda, Ken; and Teranishi, Akio, 4,800,577, Cl. 375-115.000.

Ikeda, Kenichi; Yamamoto, Shouichi; and Ito, Hiroki, to Nitto Electric Industrial Co., Ltd. Sulfonated polysulfone composite semipermeable membranes and process for producing the same. 4,818,387, 4-4-89, Cl. 210-490.000.

Ikeda, Kenichi: *See—*

Murao, Tsugio; Yamamoto, Yoshiharu; Ikeda, Kenichi; Nagaoka, Yoshitomi; and Nakajima, Yasuo, 4,810,076, Cl. 350-448.000.

Ikeda, Kenji; and Igarashi, Akira, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,833,121, 5-23-89, Cl. 503-214.000.

Ikeda, Kenji, to Kubota Ltd. Fluid pressure control circuit for working vehicle having transmission operable by fluid pressure. 4,858,435, 8-22-89, Cl. 60-441.000.

Ikeda, Kenji; Iwakura, Ken; and Takashima, Masanobu, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,882,311, 11-21-89, Cl. 503-208.000.

Ikeda, Kenji: *See—*

Kawai, Hironao; Fukui, Shigetoshi; and Ikeda, Kenji, 4,860,676, Cl. 112-121.140.

Mihashi, Yutaka; Nagai, Yutaka; and Ikeda, Kenji, 4,841,535, Cl. 372-46.000.

Nagai, Yutaka; Mihashi, Yutaka; and Ikeda, Kenji, 4,833,510, Cl. 357-17.000.

Shimomura, Akihiro; and Ikeda, Kenji, 4,826,807, Cl. 503-226.000.

Ikeda, Kensuke; Yanagihara, Naoto; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,839,332, 6-13-89, Cl. 503-212.000.

Ikeda, Kensuke: *See—*

Matsuoka, Kazumi; Ikeda, Kensuke; and Iwakura, Ken, 4,871,713, Cl. 503-209.000.

Yanagihara, Naoto; Ikeda, Kensuke; Satomura, Masato; Wakata, Yuichi; and Iwakura, Ken, 4,835,133, Cl. 503-210.000.

Ikeda, Kimihiko, to Yazaki Corporation. Combination indicator apparatus for automotive vehicle. 4,884,058, 11-28-89, Cl. 340-461.000.

Ikeda, Kingo: *See—*

Nagasawa, Takao; Ikeda, Kingo; and Nomura, Hirotsugu, 4,824,552, Cl. 208-17.000.

Ikeda, Kiyoji: *See—*

Sagara, Kazuhiko; Nakamura, Tohru; Nakazato, Kazuo; Kure, Tokuo; Ikeda, Kiyoji; and Homma, Noriyuki, 4,829,361, Cl. 357-50.000.

Ikeda, Kiyoshi, to NEC Corporation. Radio communications system with reduced D/U ratio variations. 4,803,738, 2-7-89, Cl. 455-10.000.

Ikeda, Kiyosi: *See—*

Takao, Hiroyoshi; Tanimoto, Yoshio; Ikeda, Kiyosi; and Fukuyama, Masahiro, 4,820,774, Cl. 525-208.000.

Takao, Hiroyoshi; Tanimoto, Yoshio; and Ikeda, Kiyosi, 4,889,881, Cl. 524-91.000.

Ikeda, Kouji: *See—*

Ukai, Katsumi; Tsukada, Tsutomu, Ikeda, Kouji; and Adachi, Toshio, 4,816,638, Cl. 219-121.430.

Ikeda, Kozuichi: *See—*

Saeki, Yukio; Nishimura, Toshiaki; and Ikeda, Kozuichi, 4,870,154, Cl. 528-145.000.

Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimura, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, to Ricoh Company, Ltd. Printer. 4,887,133, 12-12-89, Cl. 355-321.000.

Ikeda, Kyoichi; Watanabe, Tetsuya; and Higashino, Yasushi, to Yokogawa Electric Corporation. Vibratory transducer. 4,841,775, 6-27-89, Cl. 73-704.000.

Ikeda, Makoto: *See—*

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura Masao; and Kawai, Satoshi, 4,806,965, Cl. 355-1.000.

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,884,095, Cl. 355-1.000.

Ikeda, Masahide; Atoji, Hitomi; Ohara, Takashi; and Mizuno, Yuuzi, to Dainippon Screen Mfg. Co., Ltd. Device for detachably attaching a film onto a drum in a drum type picture scanning recording apparatus. 4,796,061, 1-3-89, Cl. 355-73.000.

Ikeda, Masakazu: *See—*

Yui, Hiroshi; Okamura, Michiya; Ikeda, Masakazu; and Matsuo, Norio, 4,873,282, Cl. 524-496.000.

Ikeda, Masaki: *See—*

Mizuno, Yasuo; Nishino, Atsushi; Ikeda, Masaki; and Kurio, Shinji, 4,855,261, Cl. 501-76.000.

Nishino, Atsushi; Ikeda, Masaki; Watanabe, Yoshihiro; and Hiraka, Masahiro, 4,861,657, Cl. 428-336.000.

Nishino, Atsushi; Mizuno, Yasuo; and Ikeda, Masaki, 4,885,020, Cl. 65-2.000.

Ikeda, Masakiyo: *See—*

Kojima, Seiji; Ikeda, Masakiyo; Kikuchi, Hiroshi; and Kashiwayanagi, Yuzo, 4,798,743, Cl. 427-255.000.

Ikeda, Masami: *See—*

Komuro, Hirokazu; and Ikeda, Masami, 4,873,622, Cl. 346-140.00R.

Komuro, Hirokazu; and Ikeda, Masami, 4,881,318, Cl. 29-827.000.

Ikeda, Masamichi, to Canon Kabushiki Kaisha. Image forming apparatus with movable developing device. 4,801,966, 1-31-89, Cl. 355-4.000.

Ikeda, Masamichi: *See—*

Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, 4,841,329, Cl. 355-245.000.

Ikeda, Masatoshi: *See—*

Okumura, Senji; Kobayashi, Yasuo; Sugiura, Ryuzo; and Ikeda, Masatoshi, 4,821,316, Cl. 379-156.000.

Ikeda, Masayoshi; Taniguchi, Yutaka; and Hiroyama, Yukihisa, to Hitachi Chemical Company, Ltd. Surface roughening of ceramics and application to production of ceramic wiring board. 4,867,843, 9-19-89, Cl. 156-651.000.

Ikeda, Masayoshi: *See—*

Tsuru, Yoshiyuki; Okamura, Toshiro; Okishima, Tetsuya; Ikeda, Masayoshi; and Kawamura, Masahiro, 4,842,899, Cl. 427-309.000.

Ikeda, Masazumi; and Okabe, Susumu, to Nissin Shokuhin Kabushiki Kaisha. Pyrimidine derivatives. 4,849,424, 7-18-89, Cl. 514-256.000.

Ikeda, Michiaki; Kaku, Hisayuki; Yamashita, Shinji; Hara, Kenji; and Ono, Hiroyuki, to Kabushiki Kaisha Yaskawa Denki Seisakusho. Magnetic encoder for detection of incremental and absolute value displacement. 4,851,771, 7-25-89, Cl. 324-208.000.

Ikeda, Minoru; Funatsu, Ryuichi; Kembo, Yukio; and Taniguchi, Motoya, to Hitachi, Ltd. X-ray lithography apparatus. 4,852,133, 7-25-89, Cl. 378-34.000.

Ikeda, Minoru. Light aircraft for short-distance takeoff and landing. 4,889,297, 12-26-89, Cl. 244-5.000.

Ikeda, Minoru: *See—*

Kembo, Yukio; Ikeda, Minoru; and Taniguchi, Motoya, 4,803,712, Cl. 378-034.000.

Kembo, Yukio; Komeyama, Yoshihiro; Ikeda, Minoru; and Inagaki, Akira, 4,825,453, Cl. 378-34.000.

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,816,841, Cl. 346-76.00L.

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,840,873, Cl. 430-273.000.

Ikeda, Mitsuaki: *See—*

Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,834,345, Cl. 266-105.000.

  - Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,881,987, Cl. 148-12.00B.
- Ikeda, Mitsuru: *See—*
  - Tabei, Masatoshi; Ikeda, Mitsuru; and Nakajima, Yosuke, 4,860,076, Cl. 357-30.000.
- Ikeda, Motohisa, to Fujitsu Limited. Semiconductor integrated circuit device having logic macro and random access memory macro. 4,855,958, 8-8-89, Cl. 365-230.080.
- Ikeda, Motokazu: *See—*
  - Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Sizuo; and Ichihara, Yoshiyuki, 4,814,895, Cl. 358-229.000.
  - Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Shizuo; and Ichihara, Yoshiyuki, 4,835,600, Cl. 358-51.000.
- Ikeda, Motozo: *See—*
  - Yamada, Motokazu; Hayakawa, Hideyuki; Fukui, Tomonori; Matsuhashi, Hajime; Kaneko, Yasuhiro; Ikeda, Motozo; and Nagata, Tomihiko, 4,812,845, Cl. 340-995.000.
- Ikeda, Naoki: *See—*
  - Bartmann, Martin; and Ikeda, Naoki, 4,873,310, Cl. 528-208.000.
- Ikeda, Naotaka: *See—*
  - Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,862,710, Cl. 68-12.00R
  - Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,875,607, Cl. 222-643.000.
- Ikeda, Noriaki; Sugishima, Noboru; Fujii, Yasushi; Ikuta, Shinji; Nakanishi, Yoshiyuki; and Inoue, Akira, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Process for production of 1-aminoanthraquinone. 4,840,749, 6-20-89, Cl. 260-378.000.
- Ikeda, Ryoji: *See—*
  - Matsuda, Takashi; Suzuki, Ryozo; Iwai, Shingo; and Ikeda, Ryoji, 4,822,258, Cl. 417-423.300.
- Ikeda, Sadanobu, to NEC Corporation. Bus arbitration network capable of quickly carrying out arbitration among bus masters. 4,818,985, 4-4-89, Cl. 340-825.500.
- Ikeda, Sadao; and Taguchi, Yoshio, to Toyota Jidosha Kabushiki Kaisha. Molded wooden products. 4,830,929, 5-16-89, Cl. 428-542.800.
- Ikeda, Sadayuki; Inoue, Hidehiko; Nagai, Kiyotake; Nakajima, Hiroshi; and Ushiyama, Yasuichi, to NEC Corporation. Method of driving a two-dimensional CCD image sensor in a shutter mode. 4,800,435, 1-24-89, Cl. 358-213.190.
- Ikeda, Satoshi: *See—*
  - Takeuchi, Satoshi; Danjo, Koutaro; Tahara, Shigehiko; Yui, Yoshiharu; and Ikeda, Satoshi, 4,856,857, Cl. 350-3.600.
  - Yamasoe, Katsuyoshi; Ikeda, Satoshi; and Yasuhara, Kiyotada, 4,851,148, Cl. 252-142.000.
  - Yamasoe, Katsuyoshi; Yasuhara, Kiyotado; and Ikeda, Satoshi, 4,886,616, Cl. 252-142.000.
- Ikeda, Shigehito: *See—*
  - Nakao, Shinichi; Yasuda, Shunji; and Ikeda, Shigehito, 4,861,471, Cl. 210-182.000.
- Ikeda, Shigeru. Multiface image composer. 4,860,061, 8-22-89, Cl. 355-43.000.
- Ikeda, Shigeyuki: *See—*
  - Iwamoto, Hironori; and Ikeda, Shigeyuki, 4,825,853, Cl. 128-36.000.
- Ikeda, Shingo, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,853,761, 8-1-89, Cl. 357-72.000.
- Ikeda, Shinichi: *See—*
  - Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000
- Ikeda, Shintaro: *See—*
  - Hatakeyama, Ryoichi; and Ikeda, Shintaro, 4,838,582, Cl. 285-110.000.
- Ikeda, Shoji: *See—*
  - Tsutsui, Koichi; Ikeda, Shoji; Nishizawa, Koji; Yagi, Makoto; and Kubo, Nobuaki, 4,867,573, Cl. 366-114.000.
  - Tsutsui, Koichi; Ikeda, Shoji; and Ueki, Koji, 4,879,100, Cl. 422-186.050.
- Ikeda, Shuji; and Meguro, Satoshi, to Hitachi, Ltd. Process of fabricating silicon oxide and gettering films on polycrystalline silicon resistance element. 4,828,629, 5-9-89, Cl. 148-33.300.
- Ikeda, Shuji; Meguro, Satoshi; Nishimura, Kotaro; Yamamoto, Sho; and Tanimura, Nobuyoshi, to Hitachi, Ltd. Semiconductor memory device. 4,841,481, 6-20-89, Cl. 365-154.000.
- Ikeda, Shuji; Nagasawa, Kouichi; Meguro, Satoshi; and Yamamoto, Sho, to Hitachi, Ltd. Semiconductor memory cell device with thick insulative layer. 4,890,148, 12-26-89, Cl. 357-45.000.
- Ikeda, Shuji: *See—*
  - Koike, Atsuyoshi; Ikeda, Shuji; and Nagasawa, Kouichi, 4,803,534, Cl. 357-71.000.
- Ikeda, Shunichi: *See—*
  - Yamauchi, Takayoshi; Hattori, Kaneaki; Ikeda, Shunichi; and Tamaki, Kentaro, 4,795,831, Cl. 568-27.000.
  - Yamauchi, Takayoshi; Hattori, Kaneaki; Ikeda, Shunichi; and Tamaki, Kentaro, 4,847,390, Cl. 549-332.000.
- Ikeda, Sotomitsu: *See—*
  - Miyazawa, Seiichi; Hara, Toshitami; Nojiri, Hidetoshi; Sekiguchi, Yoshinobu; Hasegawa, Mitsutoshi; and Ikeda, Sotomitsu, 4,799,229, Cl. 372-50.000.
- Ikeda, Souhei: *See—*
  - Harada, Osamu; Kojima, Akio; Ikeda, Souhei; Watanabe, Yoshihisa; and Tsuji, Yoshihisa, 4,803,871, Cl. 73-104.000.
- Ikeda, Sunao: *See—*
  - Saeki, Shiro; and Ikeda, Sunao, 4,860,057, Cl. 355-23.000.
- Ikeda, Susumu, to Sanden Corporation. Temperature control means for a refrigerating container. 4,827,731, 5-9-89, Cl. 62-161.000.
- Ikeda, Susumu, to Sanden Corporation. Temperature control means for a refrigerating apparatus. 4,875,342, 10-24-89, Cl. 62-115.000.
- Ikeda, Susumu: *See—*
  - Negishi, Kozaburo; Sakano, Riichi; Sunaga, Mamoru; Ikeda, Susumu; and Matsubayashi, Shinji, 4,831,837, Cl. 62-239.000.
- Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, to Hitachi, Ltd. Apparatus for storing and retrieving information using an electron beam. 4,817,053, 3-28-89, Cl. 365-113.000.
- Ikeda, Tadashi; Ogawa, Tadashi; and Okazaki, Masaki, to Fuji Photo Film Co., Ltd. Method for formation of color images and high silver chloride color photographic materials having improved spectral sensitivity and desilvering property for use therewith. 4,822,726, 4-18-89, Cl. 430-550.000.
- Ikeda, Tadashi; and Ogawa, Tadashi, to Fuji Photo Film Co., Ltd. Color image-forming high silver chloride color photographic material having improved spectral sensitivity and silver removability for use therewith. 4,837.140, 6-6-89, Cl. 430-550.000.
- Ikeda, Tadashi: *See—*
  - Maruyama, Youji; Ikeda, Tadashi; Takeuchi, Teruaki; and Suzuki, Ryo, 4,845,671, Cl. 365-87.000.
  - Maruyama, Youzi; Ikeda, Tadashi; and Suzuki, Ryo, 4,884,236, Cl. 365-29.000.
- Ikeda, Takaharu; Tada, Kazuhiro; and Morino, Haruki, to Sumitomo Chemical Company, Limited. Process for preparing E-isomer of triazolyl styryl ketone derivative. 4,814,460, 3-21-89, Cl. 548-262.000.
- Ikeda, Takaharu; and Tada, Kazuhiro, to Sumitomo Chemical Company, Limited. Process for preparing E-isomer of a triazolyl styryl ketone derivative. 4,814,461, 3-21-89, Cl. 548-262.000.
- Ikeda, Takahide; Watanabe, Atsuo; Mukai, Touji; Odaka, Masanori; and Ogiue, Katsumi, to Hitachi, Ltd. MOS/bipolar device with stepped buried layer under active regions. 4,799,098, 1-17-89, Cl. 357-43.000.
- Ikeda, Takahide: *See—*
  - Watanabe, Atsuo; Nagano, Takahiro; Ikeda, Takahide; Momma, Naohiro; and Saito, Ryuichi, 4,862,240, Cl. 357-42.000.
- Ikeda, Takashi; and Tsunoda, Euji, to Kabushiki Kaisha Toshiba. Junction bolt with adjustable clamping force. 4,884,934, 12-5-89, Cl. 411-383.000.
- Ikeda, Takashi: *See—*
  - Aoyama, Goro; Kawabe, Ryuhei; Ikeda, Takashi; and Goto, Tadashi, 4,869,647, Cl. 415-50.000.
  - Ikesue, Masumi; and Ikeda, Takashi, 4,878,603, Cl. 222-167.000.
  - Ueda, Takahisa; Sasakura, Hiroyuki; and Ikeda, Takashi, 4,844,479, Cl. 277-4.000.
  - Yamamoto, Hajime; Gotou, Tadashi; Yamakawa, Masanori; Nakao, Noboru; and Ikeda, Takashi, 4,824,329, Cl. 417-50.000.
- Ikeda, Takayuki: *See—*
  - Asami, Toshiaki; Ikeda, Takayuki; Mogi, Toru; and Kobayashi, Tomie, 4,834,134, Cl. 137-493.300.
- Ikeda, Takeshi. Noise filter naving multiple layers rolled into an elliptical shape. 4,847,575, 7-11-89, Cl. 333-184.000.
- Ikeda, Takeshi. Noise filter and method of making the same. 4,866,407, 9-12-89, Cl. 333-184.000.
- Ikeda, Takeshi. Method of making a noise filter. 4,870,729, 10-3-89, Cl. 29-25.420.
- Ikeda, Takeshi: *See—*
  - Hyosu, Yoshihiko; Ikeda, Takeshi; Kanda, Hitoshi; Mori, Hiromi; Kawakami, Hiroaki; and Kobayashi, Kuniko, 4,816,366, Cl. 430-137.000.
  - Inoue, Yasuo; and Ikeda, Takeshi, 4,802,760, Cl. 356-31.000.
- Ikeda, Tatsuhiko: *See—*
  - Niwano, Kazuhito; and Ikeda, Tatsuhiko, 4,857,478, Cl. 437-61.000.
- Ikeda, Tetsuo: *See—*
  - Asahi, Nobumitsu; Ikeda, Tetsuo; and Kawase, Seiji, 4,855,894, Cl. 363-157.000.
  - Fukuhara, Yuichi; and Ikeda, Tetsuo, 4,852,709, Cl. 192-53.00F.
- Ikeda, Tetsuro: *See—*
  - Sasakura, Tadao; Yamazoe, Otohiko; Othuka, Sachio; Ikeda, Tetsuro; Daimon, Masaru; and Tamura, Shinjuro, 4,795,674, Cl. 428-254.000.
- Ikeda, Tetsuya: *See—*
  - Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.
- Ikeda, Tokuji: *See—*
  - Senda, Mitsugi; Ikeda, Tokuji; and Katasho, Isao, 4,820,399, Cl. 204-403.000.
- Ikeda, Tomohiro; and Totsuka, Mitsuhiko, to Yazaki Corporation. Connector lock device. 4,801,275, 1-31-89, Cl. 439-350.000.
- Ikeda, Tomohiro, to Yazaki Corporation. Fuse. 4,808,962, 2-28-89, Cl. 337-203.000.
- Ikeda, Tomohiro; Hatagishi, Yuji; Totsuka, Mitsuhiko; and Kudoh, Toshiharu, to Yazaki Corporation. Cartridge fuse. 4,871,990, 10-3-89, Cl. 337-238.000.
- Ikeda, Tomohiro: *See—*
  - Takenouchi, Kenji; Ikeda, Tomohiro; and Tozuka, Mitsuhiko, 4,800,358, Cl. 337-268.000.

- Ikeda, Toshiaki: *See—*
  - Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Toru; Suto, Seiichi; and Seto, Takao, 4,808,812, Cl. 250-216.000.
- Ikeda, Toshihiro: *See—*
  - Aida, Akira; and Ikeda, Toshihiro, 4,840,153, Cl. 123-90.550.
- Ikeda, Toshiki: *See—*
  - Nishiyama, Yukinori; Fujioka, Hideaki; Yamaguchi, Hisaaki; Ikeda, Toshiki; and Miyoshi, Keisuke, 4,889,093, Cl. 123-400.000.
- Ikeda, Tsugio: *See—*
  - Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, 4,834,219, Cl. 184-6.500.
  - Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, 4,836,156, Cl. 123-90.310.
  - Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, 4,848,170, Cl. 74-6.000.
  - Yamamoto, Hitoshi; Tottori, Takumi; Ikeda, Tsugio; and Okazaki, Kouji, 4,807,571, Cl. 123-65.0PE.
- Ikeda, Tsunemi; and Ota, Motoki, to Calsonic Corporation. Tail pipe structure of control type muffler. 4,840,030, 6-20-89, Cl. 60-324.000.
- Ikeda, Tsuneo: *See—*
  - Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
- Ikeda, Tsuneta: *See—*
  - Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; Kume, Takanori; Negawa, Hideo; and Ikeda, Tsuneta, 4,826,729, Cl. 428-411.100.
- Ikeda, Yasuhiko, to Nifco Inc. Plastic buckle. 4,800,629, 1-31-89, Cl. 24-170.000.
- Ikeda, Yasuhiko, to Nifco, Inc. Buckle naving belt engaging friction means. 4,843,688, 7-4-89, Cl. 24-170.000.
- Ikeda, Yasuhiko: *See—*
  - Tonari, Takashi; and Ikeda, Yasuhiko, 4,863,587, Cl. 208-263.000.
- Ikeda, Yasuhiro; Suzuki, Kunio; Watanabe, Masataka; and Ohara, Nobuhiro, to Shin-Etsu Handotai Co., Ltd. Method of and apparatus for controlling floating zone of semiconductor rod. 4,866,230, 9-12-89, Cl. 219-10.430.
- Ikeda, Yasuhiro; and Mizuishi, Kouji, to Shin-Etsu Handotai Co., Ltd. Supporting apparatus for semiconductor crystal rod. 4,886,647, 12-12-89, Cl. 422-250.000.
- Ikeda, Yochizumi: *See—*
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
- Ikeda, Yoshiaki, to Ryudensha Co., Ltd. Color filter for wind-up system color changer. 4,801,214, 1-31-89, Cl. 383-37.000.
- Ikeda, Yoshiaki: *See—*
  - Fujita, Kohtaroh; Wachi, Toshio; and Ikeda, Yoshiaki, 4,873,351, Cl. 556-76.000.
  - Okada, Hiroo; Ikeda, Yoshiaki; and Ohsima, Ken. 4,837,757, Cl. 369-44.000.
  - Takeuchi, Toyoaki; and Ikeda, Yoshiaki, 4,890,273, Cl. 369-45.000.
- Ikeda, Yoshie: *See—*
  - Hirata, Keiiti; Morimoto, Yoshinari; Ban, Tomohiro; Furushima, Tokihito; Miura, Tomoko; and Ikeda, Yoshie, 4,839,827, Cl. 364-518.000.
  - Oishi, Minoru; Morimoto, Yoshinari; Furukawa, Akihiro; Miura, Tomoko; Ikeda, Yoshie; and Nagatsuna, Akemi, 4,812,832, Cl. 340-709.000.
- Ikeda, Yoshifumi: *See—*
  - Araki, Kazuhiko; Kuroda, Tsuyoshi; Uemori, Satoru; Moriguchi, Akihiko; and Ikeda, Yoshifumi, 4,889,857, Cl. 514-235.200.
- Ikeda, Yoshimasa: *See—*
  - Ichitani, Yutaka; Imaeda, Masayoshi; Ikeda, Yoshimasa; Nishimura, Yoji; and Seikou, Kiyokazu, 4,802,405, Cl. 98-2.060.
- Ikeda, Yoshinori: *See—*
  - Honma, Toshio; Ikeda, Yoshinori; and Suzuki, Yasumichi, 4,847,654, Cl. 358-300.000.
  - Suzuki, Yasumichi; Ikeda, Yoshinori; Katoh, Koichi; Ohnishi, Tetsuya; Kadowaki, Toshihiro; and Honma, Toshio, 4,873,570, Cl. 358-80.000.
- Ikeda, Yoshio; and Torita, Fumio, to Kabushiki Kaisha Toshiba. Detergent dispensing system for clothes washing machine or the like. 4,862,711, 9-5-89, Cl. 68-12.00R.
- Ikeda, Yukio: *See—*
  - Kouda, Masanori; Sekiguchi, Tomoyoshi; Ikeda, Yukio; Taniguchi, Minoru; Shiraishi, Yasuhiro; and Konishi, Junkichi, 4,826,205, Cl. 280-703.000.
  - Seino, Kiyoharu; Takagi, Tadashi; Takeda, Fumio; and Ikeda, Yukio, 4,853,649, Cl. 330-277.000.
- Ikeda, Yuto: *See—*
  - Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.
  - Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.
  - Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.
- Ikeda, Yuzi: *See—*
  - Kawasaki, Yoshinobu; Niikawa, Ryo; and Ikeda, Yuzi, 4,796,346, Cl. 29-700.000.
- Ikedal, Shoji: *See—*
  - Ohata, Masatoshi; Tsutsui, Koichi; Ikedal, Shoji; and Fujimoto, Teruo, 4,853,436, Cl. 525-244.000.
- Ikedo, Masaru: *See—*
  - Miyata, Takeo; Ono, Takuhiro; Iwabuchi, Takashi; Ikedo, Masaru; and Watari, Masafumi, 4,812,016, Cl. 350-320.000.
- Ikedo, Yuji; Miyakawa, Tsutomu; Okajima, Takahiro; and Miyake, Masahiko, to Pioneer Electronic Corporation. Multi-disk player system. 4,809,252, 2-28-89, Cl. 369-34.000.
- Ikedo, Yuji; Okajima, Takahiro; Miyake, Masahiko; and Miyakawa, Tsutomu, to Pioneer Electronic Corporation. Multi-disk player system. 4,811,319, 3-7-89, Cl. 369-39.000.
- Ikedo, Yuji; and Okajima, Takahiro, to Pioneer Electronic Corporation. Double-sided disk player. 4,811,324, 3-7-89, Cl. 369-75.200.
- Ikedo, Yuji; Okajima, Takahiro; and Tashiro, Yasuyuki, to Pioneer Electronic Corporation. Disk mechanism in a disk player. 4,839,764, 6-13-89, Cl. 360-98.080.
- Ikegaki, Tetsurou: *See—*
  - Sugiyama, Toshinori; Ikegaki, Tetsurou; Shimizu, Mitsuru; and Tuburaya, Yoshitane, 4,876,133, Cl. 428-64.000.
- Ikegami, Akira: *See—*
  - Ogawa, Toshio; Fujii, Mituru; Asai, Tadamichi; Ikegami, Akira; Ohtsu, Hiroshi; and Ato, Kazuhiko, 4,873,022, Cl. 428-209.000.
  - Yamada, Seiichi; Naitoh, Takashi; Namekawa, Takashi; Ikegami, Akira; Gotoo, Ryoo; and Nishiyama, Toshikazu, 4,816,949, Cl. 360-120.000.
- Ikegami, Eitaro: *See—*
  - Minamisawa, Tsuyoshi; Endo, Katsunori; Ikegami, Eitaro; and Nezu, Shigeru, 4,874,800, Cl. 523-205.000.
  - Okushiro, Susumu; Ikegami, Eitaro; Higashiyama, Seiichi; and Miyaji, Hiroyuki, 4,831,073, Cl. 524-424.000.
- Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, to Ikegami, Fumio; and Mitsubishi Denki Kabushiki Kaisha. Digital communication system. 4,807,252, 2-21-89, Cl. 375-53.000.
- Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, to Ikegami, Fumio; and Mitsubishi Denki Kabushiki Kaisha. Digital communication system. 4,841,547, 6-20-89, Cl. 375-53.000.
- Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; Ariyavisitakul, Sirikiat; and Sasada, Masaaki, to Ikegami, Fumio; and Mitsubishi Denki Kabushiki Kaisha. Digital communication system. 4,849,990, 7-18-89, Cl. 375-40.000.
- Ikegami, Hiroshi; Muto, Tetsuji; Hamada, Tetsuro; Masuda, Katsuhiko; Shimada, Kazuhiko; and Shibuya, Kazunori, to Honda Giken Kogyo Kabushiki Kaisha. Four wheel drive vehicle. 4,886,141, 12-12-89, Cl. 180-233.000.
- Ikegami, Hiroshi: *See—*
  - Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, 4,878,566, Cl. 192-13.00R.
- Ikegami, Kasumi: *See—*
  - Mochizuki, Akihiro; Iwasaki, Masayuki; Yamagishi, Yasuo; Ikegami, Kasumi; Gondo, Hiroyuki; and Yamaguchi, Hisashi, 4,812,034, Cl. 383-122.000.
- Ikegami, Kazunori; Okuda, Souitirou; Yamada, Tadatoshi; Yamamoto, Shunji; and Matsuda, Tetsuya, to Mitsubishi Denki Kabushiki Kaisha. Synchrotron. 4,806,871, 2-21-89, Cl. 328-235.000.
- Ikegami, Kazunori: *See—*
  - Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,999, Cl. 313-414.000.
- Ikegami, Masaaki: *See—*
  - Mochizuki, Hiroshi; Tamaki, Reiji; Arima, Junichi; Ikegami, Masaaki; Tanaka, Eisuke; and Saito, Kenji, 4,884,120, Cl. 357-68.000.
- Ikegami, Masakazu: *See—*
  - Someya, Ryoichi; and Ikegami, Masakazu, 4,795,926, Cl. 310-90.000.
- Ikegami, Masato: *See—*
  - Morinaga, Tsuto; Miura, Kin-ichiro; Shimotohno, Kunitada; Ikegami, Masato; and Ichikawa, Yataro, 4,855,237, Cl. 435-320.000.
- Ikegami, Mitsuru: *See—*
  - Kimura, Koichi; Ogura, Toshihiko; Aotsu, Hiroaki; Ikegami, Mitsuru; and Kawabara, Tadashi, 4,868,7[illegible], Cl. 364-900.000.
- Ikegami, Seishi; and Nakao, Satoshi, to Yamamoto Chemicals, Inc. Process for producing fluorene compounds. 4,820,840, 4-11-89, Cl. 546-15.000.
- Ikegami, Tamotsu: *See—*
  - Matsubayashi, Hiroshi; Aizawa, Masanori; Watanabe, Michio; Shimizu, Takashi; and Ikegami, Tamotsu, 4,887,732, Cl. 220-90.600.
- Ikegami, Toru: *See—*
  - Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, 4,880,986, Cl. 250-484.100.
- Ikegami Tsushinki Co., Ltd.: *See—*
  - Goto, Chikado; and Tobita, Hiroshi, 4,819,931, Cl. 271-287.000.

  - Goto, Chikado; Hayashi, Kenji; and Sakuuchi, Toshio, 4,830,357, Cl. 271-293.000.
  - Kawamata, Seiji, 4,870,481, Cl. 358-31.000.
  - Kosaka, Kenji; and Yasu, Yoshikazu, 4,836,529, Cl. 271-296.000.
  - Kosaka, Kenji; and Suzuki, Akihiro, 4,842,264, Cl. 271-293.000.
  - Sakuuchi, Toshio; and Kimura, Kuniaki, 4,822,016, Cl. 270-58.000.
  - Yamamoto, Kazumi, 4,823,190, Cl. 358-166.000.
- Ikegami, Yoshie: *See—*
  - Hashiguchi, Toshihiko; Ikegami, Yoshie; and Isono, Kesao, 4,850,342, Cl. 128-6.000.
- Ikegami, Yoshiki; Hayakawa, Yoshio; and Sato, Yasuaki, to Fujitsu Limited. Card image data processing system. 4,835,735, 5-30-89, Cl. 364-900.000.
- Ikegawa, Akihiko; Ohashi, Yuichi; and Okazaki, Masaki, to Fuji Photo Film Co., Ltd. Silver halide photographic emulsion. 4,889,796, 12-26-89, Cl. 430-549.000.
- Ikegawa, Akihito: *See—*
  - Iino, Shuji; and Ikegawa, Akihito, 4,855,768, Cl. 346-160.100.
  - Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,809,034, Cl. 355-3.0DD.
  - Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,819,027, Cl. 355-3.0DD.
  - Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,851,872, Cl. 355-253.000.
- Ikegawa, Sumio; Komatsu, Shuichi; Arai, Shinji; Ashida, Sumio; and Yasuda, Nobuaki, to Kabushiki Kaisha Toshiba. Information recording medium rewritable by utilizing two metastable phases of a recording layer and method using the same. 4,839,861, 6-13-89, Cl. 365-113.000.
- Ikegawa, Sumio; Hori, Akio; Komatsu, Shuichi; Arai, Shinji; and Yasuda, Nobuaki, to Kabushiki Kaisha Toshiba. Reversible optical recording medium with an optothermally deformable recording layer. 4,855,992, 8-8-89, Cl. 369-275.000.
- Ikegaya, Akihiko; and Tobioka, Masaaki, to Sumitomo Electric Industries, Ltd. Method for synthesizing diamond. 4,859,490, 8-22-89, Cl. 427-38.000.
- Ikegaya, Hiroshi; Umeno, Hidenori; Kubo, Takashige; Ukai, Yoshio; and Sugama, Nobuyoshi, to Hitachi, Ltd. Address translator. 4,802,084, 1-31-89, Cl. 364-200.000.
- Ikegaya, Isao, to Fujikiko Kabushiki Kaisha. Seat lifting apparatus. 4,871,137, 10-3-89, Cl. 248-396.000.
- Ikegaya, Norio. Heat and oil-resistant electric insulated wire. 4,810,577, 3-7-89, Cl. 428-391.000.
- Ikegaya, Yuji: *See—*
  - Niimi, Koji; Kakubo, Yuji; and Ikegaya, Yuji, 4,803,731, Cl. 381-63.000.
- Ikege, Inc.: *See—*
  - Ikeda, George; and Walker, William B., 4,878,322, Cl. 52-2.000.
- Ikeguchi, Masahiko: *See—*
  - Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Hayashi, Koji; Ikeguchi, Masahiko; and Yoshida, Tsunezo, 4,822,402, Cl. 71-90.000.
  - Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Shimoharada, Hiroshi; Yoshida, Tsunezo; and Ikeguchi, Masahiko, 4,835,282, Cl. 548-213.000.
- Ikeguchi, Seiichi: *See—*
  - Furukawa, Sunao; Yoshimoto, Tadashi; Ajisawa, Yukiyoshi; Ikeguchi, Seiichi; and Kinoshita, Yukihiko, 4,857,524, Cl. 514-227.500.
- Ikeguchi, Takashi: *See—*
  - Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.
- Ikehata, Toshihiko: *See—*
  - Koshiba, Nobuharu; Ikehata, Toshihiko; and Takata, Kenichi, 4,874,680, Cl. 429-197.000.
- Ikehira, Kimimasa; Wu, Ming-Chi; and Liu, Chih-Yuan, to Ricoh Company, Ltd.: and Industrial Technology Research Institute. Video signal mixing unit for simultaneously displaying video signals having different picture aspect ratios and resolutions. 4,878,117, 10-31-89, Cl. 358-183.000.
- Ikehjiri, Kenichi: *See—*
  - Yamamoto, Noboru; Furumoto, Mitsumasa; Kawahara, Eiichiro; and Ikehjiri, Kenichi, 4,838,024, Cl. 60-488.000.
- Ikejima, Hiroyuki, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for controlling an A.C. powered elevator. 4,815,567, 3-28-89, Cl. 187-119.000.
- Ikejima, Hiroyuki: *See—*
  - Iwata, Shigemi; and Ikejima, Hiroyuki, 4,817,761, Cl. 187-116.000.
- Ikejima, Satomi; and Iwata, Shigemi, to Mitsubishi Denki Kabushiki Kaisha. Elevator control apparatus. 4,832,159, 5-23-89, Cl. 187-129.000.
- Ikejiri, Kenichi; Kawahara, Eiichiro; and Furumoto, Mitsumasa, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulically operated continuously variable transmission. 4,864,823, 9-12-89, Cl. 60-488.000.
- Ikejiri, Kenichi: *See—*
  - Kawahara, Eiichiro; Ikejiri, Kenichi; Iino, Takashi; Iwasawa, Kenjiro; and Yamamoto, Noboru, 4,809,587, Cl. 91-166.000.
  - Kawahara, Eiichiro; and Ikejiri, Kenichi, 4,856,279, Cl. 60-489.000.
- Ikekawa, Nobuo, to Taisho Pharmaceutical Co., Ltd. Vitamin D_3 derivative. 4,832,875, 5-23-89, Cl. 260-397.200.
- Ikekawa, Nobuo, to Taisho Pharmaceutical Co., Ltd. 24,24-difluoro-26,27-dimethylvitamin D_3 derivatives. 4,868,165, 9-19-89, Cl. 514-167.000.
- Ikekawa, Nobuo: *See—*
  - DeLuca, Hector F.; Ikekawa, Nobuo; and Tanaka, Yoko, 4,851,400, Cl. 514-167.000.
  - DeLuca, Hector F.; Ikekawa, Nobuo; and Tanaka, Yoko, 4,857,518, Cl. 514-167.000.
  - Hayashi, Seiichi; Hohjoh, Tadashi; Shida, Atsuhiko; and Ikekawa, Nobuo, 4,886,544, Cl. 71-88.000.
- Ikekita, Minoru, to Kabushiki Kaisha Ishida Koki Seisakusho. Method and apparatus for creating an arrangement for a label. 4,832,513, 5-23-89, Cl. 400-61.000.
- Ikemori, Keiji, to Canon Kabushiki Kaisha. Photographic system having soft focus function. 4,826,301, 5-2-89, Cl. 350-431.000.
- Ikemori, Keiji, to Canon Kabushiki Kaisha. Optical system of variable magnification power. 4,836,661, 6-6-89, Cl. 350-423.000.
- Ikemori, Keiji: *See—*
  - Matsushita, Takashi; Takahashi, Sadatoshi; Kitagishi, Nozomu; Ikemori, Keiji; and Tanaka, Tsunefumi, 4,865,434, Cl. 350-430.000.
  - Ohnuki, Ichiro; Ikemori, Keiji; and Eguchi, Masaharu, 4,804,986, Cl. 354-212.000.
  - Takahashi, Sadatoshi; Ikemori, Keiji; Kitagishi, Nozomu; Tanaka, Tsunefumi; Matsushita, Takashi; and Momiyama, Kikuo, 4,830,477, Cl. 350-428.000.
- Ikemoto, Hiroyuki; Oowa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, to Toyota Jidosha Kabushiki Kaisha; and Toyota Central Research and Development Laboratories, Inc. System for vehicle body roll control performing suspension hardness control. 4,797,823, 1-10-89, Cl. 364-424.050.
- Ikemoto, Hiroyuki; Owa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, to Toyota Jidosha Kabushiki Kaisha. System for vehicle body roll control detecting and compensating for rapid rate of change of steering angle as during emergency steering. 4,807,128, 2-21-89, Cl. 364-424.050.
- Ikemoto, Hiroyuki; Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; and Doi, Shunichi, to Toyota Jidosha Kabushiki Kaisha; and Toyota Central Research and Development Laboratories, Inc. System for vehicle height adjustment with steering angle change rate correction. 4,821,188, 4-11-89, Cl. 364-424.100.
- Ikemoto, Hiroyuki; Arai, Yasuji; Yasuike, Osamu; Oowa, Nobutaka; and Doi, Shunichi, to Toyota Jidosha Kabushiki Kaisha; and Toyota Central Research and Development Laboratories, Inc. System for vehicle height adjustment with loading deviation correction. 4,821,191, 4-11-89, Cl. 364-424.100.
- Ikemoto, Hiroyuki: *See—*
  - Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; Ikemoto, Hiroyuki; and Doi, Shunichi, 4,809,176, Cl. 364-424.000.
  - Yasuike, Osamu; Arai, Yasuji; Ikemoto, Hiroyuki; Owa, Nobutaka; and Doi, Shunichi, 4,803,627, Cl. 364-424.050.
- Ikemoto, Isao; Kanemitsu, Shinji; Mizutani, Morikazu; Kitajima, Hajime; and Onoda, Shigeyoshi, to Canon Kabushiki Kaisha. Image forming apparatus and process cartridge therefor. 4,809,033, 2-28-89, Cl. 355-3.0SH.
- Ikemoto, Isao: *See—*
  - Mizutani, Morikazu; Onoda, Shigeyoshi; Ikemoto, Isao; Kanemitsu, Shinji; and Kitajima, Hajime, 4,806,977, Cl. 355-8.000.
  - Sootome, Sumitoshi; Mizutani, Morikazu; Ikemoto, Isao; Kanemitsu, Shinji; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,875,075, Cl. 355-50.000.
- Ikemoto, Kazuhito: *See—*
  - Uno, Makoto; Ikemoto, Kazuhito; and Terakura, Yukio, 4,830,158, Cl. 192-53.00F.
  - Yasuda, Mitsuyoshi; Matsuura, Junichi; Ikemoto, Kazuhito; and Katayama, Nobuaki, 4,794,942, Cl. 137-197.000.
- Ikemoto, Seishi: *See—*
  - Matsuzaki, Katsumi; Usui, Kenji; and Ikemoto, Seishi, 4,795,604, Cl. 264-144.000.
- Ikemoto, Shigeru; and Ohta, Minoru, to Ikemoto, Shigeru. Tap drive unit for machine tools. 4,820,087, 4-11-89, Cl. 408-9.000.
- Ikemoto, Tomoyuki: *See—*
  - Mitsukuchi, Morihiro; Ikemoto, Tomoyuki; Watanabe, Yoshiaki; and Sota, Kaoru, 4,861,765, Cl. 514-181.000.
- Ikemoto, Yoshiyuki: *See—*
  - Murai, Takaaki; Watanabe, Shoji; Inoue, Kimio; Isobe, Tomohisa; Nakashima, Naoki; Miho, Takuya; and Ikemoto, Yoshiyuki, 4,835,213, Cl. 525-36.000.
- Ikemoto, Yutaka: *See—*
  - Nakanishi, Yasuhiro; Ikemoto, Yutaka; and Suzuki, Takashi, 4,833,689, Cl. 374-170.000.
- Ikenaga, Osamu; and Watanabe, Susumu, to Kabushiki Kaisha Toshiba. Method for drawing a desired circuit pattern using charged particle beam. 4,878,177, 10-31-89, Cl. 364-489.000.
- Ikenaga, Toshiharu: *See—*
  - Yamashita, Yoshikazu; and Ikenaga, Toshiharu, 4,877,121, Cl. 198-475.100.
- Ikenaga, Yukio; and Yamawaki, Masami, to Polyplastics Company, Ltd. Polyacetal resin composition. 4,886,851, 12-12-89, Cl. 524-425.000.
- Ikenari, Shigeru: *See—*
  - Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.
- Ikeno, Masahiko; and Saeki, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Color filter dyeing apparatus. 4,821,675, 4-18-89, Cl. 118-667.000.

- Ikeno, Masahiko; Kawashima, Hiroshi; and Kaneda, Osamu, to Mitsubishi Denki Kabushiki Kaisha. Spin coating apparatus. 4,886,012, 12-12-89, Cl. 118-667.000.
- Ikeno, Masayuki; Miyakoshi, Masanobu; and Inomata, Hiroshi, to Shin-Etsu Chemical Co., Ltd. Vulcanizable fluorinated silicone compositions. 4,818,805, 4-4-89, Cl. 528-15.000.
- Ikeno, Masayuki; Fujiki, Hironao; and Inomata, Hiroshi, to Shin-Etsu Chemical Co., Ltd. Organopolysiloxane composition. 4,886,865, 12-12-89, Cl. 528-15.000.
- Ikeno, Tetsuro: *See—*
  - Uesugi, Naomoto; Takahashi, Hideo; and Ikeno, Tetsuro, 4,854,417, Cl. 181-272.000.
- Ikeno, Yoshimitsu: *See—*
  - Sugimoto, Mamoru; Kohno, Osamu; Ikeno, Yoshimitsu; Sadakata, Nobuyuki; Aoki, Shin'ya; and Nakagawa, Mikio, 4,885,273, Cl. 505-1.000.
- Ikenoue, Yoshiaki: *See—*
  - Wudl: Fred; Heeger, Alan; Ikenoue, Yoshiaki; and Kobayashi, Masao, 4,795,242, Cl. 350-357.000.
- Ikenoue, Yoshikazu: *See—*
  - Morikawa, Takashi; and Ikenoue, Yoshikazu, 4,843,405, Cl. 346-1.100.
- Ikenoue, Yutaka: *See—*
  - Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, 4,844,024, Cl. 123-188.500.
- Ikenoya, Kazuhisa: *See—*
  - Nomura, Shinnya; Toyoda, Toshiro; and Ikenoya, Kazuhisa, 4,839,591, Cl. 324-208.000.
- Ikeou, Shinei; Tokieda, Takemi; Yamauchi, Noriaki; Imada, Kunihiko; and Kayane, Yutaka, to Sumitomo Chemical Company, Limited. Aqueous liquid composition of vinylsulfone type reactive dyes in lithium salt form and buffer. 4,832,698, 5-23-89, Cl. 8-527.000.
- Ikeou, Shinnei: *See—*
  - Yamauchi, Noriaki; Ikeou, Shinnei; and Imada, Kunihiko, 4,834,771, Cl. 8-527.000.
- Ikeshima, Koichi: *See—*
  - Hattori, Isao; and Ikeshima, Koichi, 4,835,044, Cl. 428-116.000.
- Ikeshima, Kouichi: *See—*
  - Hattori, Isao; and Ikeshima, Kouichi, 4,810,554, Cl. 428-116.000.
- Ikeshima, Tetsuro: *See—*
  - Aketa, Masahiro; Yamashita, Masahiro; Torii, Satoshi; and Ikeshima, Tetsuro, 4,807,811, Cl 239-91.000.
- Ikesue, Kouichi: *See—*
  - Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.
- Ikesue, Masumi; and Ikeda, Takashi, to Ricoh Company, Limited. Toner replenishing device. 4,878,603, 11-7-89, Cl. 222-167.000.
- Iketani, Akira, to Matsushita Electric Industrial Co., Ltd. Code conversion apparatus. 4,833,470, 5-23-89, Cl. 341-59.000.
- Iketani, Akira: *See—*
  - Matsushita, Koji; and Iketani, Akira, 4,847,871, Cl. 375-94.000.
- Iketani, Yozo: *See—*
  - Takato, Kenji; Tojo, Toshiro; Iketani, Yozo; Ayano, Mitsutoshi; and Shibuya, Kiyoshi, 4,827,505, Cl. 379-413.000.
- Ikeuchi, Fumio: *See—*
  - Ueno, Toshiaki; Ikeuchi, Fumio; and Inoue, Fumihito, 4,795,963, Cl. 324-57.00R.
- Ikeuchi, Hiroji; and Ikeuchi, Kiyoaki, to Kabushiki Kaisha Ikeuchi Tekkosho. Method and apparatus for producing a food product. 4,807,524, 2-28-89, Cl. 99-353.000.
- Ikeuchi, Hiroshi; and Imamura, Nobuaki, to Murata Manufacturing Co., Ltd. High voltage generator. 4,823,248, 4-18-89, Cl. 363-20.000.
- Ikeuchi, Hiroshi, to Murata Manufacturing Co., Ltd. High voltage generating apparatus for supplying high voltage to cathode ray tube. 4,885,509, 12-5-89, Cl. 315-411.000.
- Ikeuchi, Hiroshi: *See—*
  - Kikuchi, Hideya; and Ikeuchi, Hiroshi, 4,855,710, Cl. 340-426.000.
- Ikeuchi, Hisaaki; Madokoro, Manabu; Sato, Haruo; and Jodoi, Takashi, to Hitachi, Ltd. Apparatus for handling constituent elements of reactor core. 4,885,123, 12-5-89, Cl. 376-233.000.
- Ikeuchi, Kiyoaki: *See—*
  - Ikeuchi, Hiroji; and Ikeuchi, Kiyoaki, 4,807,524, Cl. 99-353.000.
- Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; and Matsubara, Akitoshi, to Konica Corporation. Toner for development of electrostatic image and electrostatic latent image developer. 4,882,258, 11-21-89, Cl. 430-108.000.
- Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; Yuri, Hideki; Shiohara, Tomoo; and Oyama, Yasuhiko, to Sekisui Kagaku Kogyo Kabushiki Kaisha; and Sekisui Kagaku Kogyo Kabushiki Kaisha. Toner for development of electrostatic image and method of fixing employing the same. 4,883,734, 11-28-89, Cl. 430-109.000.
- Ikeuchi, Satoru: *See—*
  - Komamura, Tawara; Ikeuchi, Satoru; Iwagaki, Masaru; Sasaki, Takashi; and Ishikawa, Wataru, 4,871,6[illegible], Cl. 430-201.000.
  - Matsubara, Akitoshi; Ikeuchi, Satoru; Akimoto, Kunio; and Takizawa, Yoshio, 4,795,689, Cl. 430-99.000.
  - Sakai, Eiichi; Okuyama, Yuki; Fujimaki, Yoshihide; Yamazaki, Toshinori; and Ikeuchi, Satoru, 4,868,078, Cl. 430-67.000.
  - Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Sningo; and Kawabe, Kuniyasu, 4,863,824, Cl. 430-109.000.
- Ikeuchi, Takayuki: *See—*
  - Koyama, Noritoshi; Ikeuchi, Takayuki; Araki, Seiichi; Kitoh, Kyosuke; and Ida, Katsumi, 4,839,389, Cl. 514-724.000.
- Ikeura, Hiroo: *See—*
  - Murakami, Hajime; Takenouchi, Tooru; and Ikeura, Hiroo, 4,811,057, Cl. 355-71.000.
- Ikeura, Kenji; Kawamura, Yoshihisa; Nagano, Masami; and Suda, Seiji, to Hitachi, Ltd.; and Nissan Motor Co., Ltd. Engine control apparatus. 4,825,833, 5-2-89, Cl. 123-435.000.
- Ikeura, Kenji: *See—*
  - Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takatori, Kazuhiro, 4,887,461, Cl. 73-118.100.
- Ikeya, Kiyokazu; and Yagi, Masanori, to Texas Instruments Incorporated. Socket. 4,801,273, 1-31-89, Cl. 439-269.000.
- Ikeya, Kiyokazu, to Texas Instruments Incorporated. Test socket with improved contact engagement. 4,846,704, 7-11-89, Cl. 439-72.000.
- Ikeya, Taro: *See—*
  - Chino, Yoshiharu; Wakita, Nobuaki; Hibino, Masaru; Ikeya, Taro; Kanesaka, Toshiro; and Takeuchi, Kazuo, 4,825,825, Cl. 123-195.00C.
- Ikezaki, Eiji: *See—*
  - Yamasaki, Kouji; Ikezaki, Eiji; Tano, Yasunori; and Nishizaka, Hiroshi, 4,846,903, Cl. 148-111.000.
- Ikezaki, Masao: *See—*
  - Tanaka, Shotaro; Ikezaki, Masao; Ono, Yukiko; and Sasanuma, Hiroshi, 4,872,162, Cl. 370-85.120.
- Ikezaki, Takashi: *See—*
  - Naitoh, Kazumi; Arakawa, Yoshiaki; and Ikezaki, Takashi, 4,797,789, Cl. 361-525.000.
  - Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shoji; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasunobu; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.
- Ikezaki, Yoshiyuki: *See—*
  - Sakaida, Atsuo; Chikaoka, Yasuji; Imoto, Yasuo; Iriguchi, Akira; and Ikezaki, Yoshiyuki, 4,874,978, Cl. 310-328.000.
- Ikezue, Tatsuya: *See—*
  - Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,803,139, Cl. 430-57.000.
  - Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,803,141, Cl. 430-58.000.
  - Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,804,605, Cl. 430-57.000.
  - Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,810,605, Cl. 430-58.000.
  - Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,851,312, Cl. 430-57.000.
  - Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,859,552, Cl. 430-57.000.
- IKN Communications Inc.: *See—*
  - Weinstein, Leonard, 4,822,282, Cl. 434-129.000.
- Ikoma, Kazuhiko: *See—*
  - Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, 4,800,137, Cl. 428-698.000.
  - Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, 4,877,760, Cl. 501-98.000.
- Ikoma, Kenji: *See—*
  - Miyake, Katsunobu; Horii, Hiroshi; and Ikoma, Kenji, 4,805,874, Cl. 251-306.000.
- Ikoma, Mitsuhiro; Nakatani, Kazuo; Yoshida, Yuji; Tomizawa, Takeshi; and Arita, Koji, to Matsushita Electric Industrial Co., Ltd. Heat pump system. 4,840,042, 6-20-89, Cl. 62-324.100.
- Ikoma, Munehisa; Kawano, Hiroshi; Matsumoto, Isao; and Yanagihara, Nobuyuki, to Matsushita Electric Industrial Co., Ltd. Sealed storage battery and method for making its electrode. 4,837,119, 6-6-89, Cl. 429-206.000.
- Ikovich, George J.: *See—*
  - Regan, James B.; Ikovich, George J.; Carlsen, James A.; Juelich, Richard J.; and Kogel, Henry G., 4,878,452, Cl. 114-293.000.
- Ikuhara, Hideyuki; Usui, Akira; Kubo, Kazuhiko; Nagai, Hiroyuki; and Kutsuki, Tetsuo, to Matsushita Electric Industrial Co., Ltd. Voltage controlled oscillator having constant tuning bias voltage. 4,835,492, 5-30-89, Cl. 331-117.00D.
- Ikuhara, Hideyuki: *See—*
  - Kubo, Kazuhiko; Usui, Akira; Miyata, Minoru; Ikuhara, Hideyuki; Nagai, Hiroyuki; and Yamada, Tadashi, 4,817,195, Cl. 455-192.000.
- Ikuhara, Isao: *See—*
  - Hasuo, Masayoshi; Mukai, Seiichi; Saito, Ryo; and Ikuhara, Isao, 4,840,981, Cl. 524-114.000.
- Ikuma, Susumu; and Tanaka, Nobuhiro, to Seikosha Co., Ltd. Timepiece movement. 4,821,249, 4-11-89, Cl. 368-88.000.
- Ikumi, Nobuyuki, to Kabushiki Kaisha Toshiba. Functional dividable multiplier array circuit for multiplication of full words or simultaneous multiplication of two half words. 4,825,401, 4-25-89, Cl. 364-760.000.
- Ikumi, Nobuyuki, to Kabushiki Kaisha Toshiba. Precharge-type carry chained adder circuit. 4,860,242, 8-22-89, Cl. 364-768.000.
- Ikumi, Tomonori: *See—*
  - Matsumoto, Yasuo; Murakami, Kazunori; Ikumi, Tomonori; and Iwafune, Yasuo, 4,875,748, Cl. 350-6.800.
- Ikuno, Yuji; and Hibino, Hiroki, to Olympus Optical Co., Ltd. Endoscope imaging system used with an electronic scope and an optical endoscope. 4,870,488, 9-26-89, Cl. 358-98.000.
- Ikuno, Yuji: *See—*
  - Kidawara, Atsushi; Nishikori, Toshiaki; Kanno, Masahide; Yabe, Hisao; Katoh, Shinichi; Ikuno, Yuji; and Nakamura, Takeaki, 4,862,258, Cl. 358-98.000.
  - Miyazaki, Akihiko; Nonami, Tetsuo; and Ikuno, Yuji, 4,873,572, Cl. 358-98.000.
- Ikura, Hiroshi: *See—*
  - Hibino, Yoshitaka; and Ikura, Hiroshi, 4,795,015, Cl. 192-0.076.

Suzuki, Yoshiki; and Ikura, Hiroshi, 4,835,142, Cl. 514-53.000.
Ikura, Michio: *See—*
Mikhlin, Josef A., deceased; Ikura, Michio; Kelly, James F.; and Capes, C. Edward, 4,889,538, Cl. 44-90.000.
Ikuta, Akio: *See—*
Hirayama, Shigemitsu; Akashi, Takamichi; Ikuta, Akio; Sasaki, Isao; and Fukuda, Hiroshi, 4,872,974, Cl. 210-90.000.
Ikuta, Eishi: *See—*
Imade, Shinichi; Shionoya, Kazunori; Ikuta, Eishi; Taguchi, Koji; Nishiyama, Toyoo; Wakamatsu, Seiichi; and Nagasaki, Tatsuo, 4,880,011, Cl. 128-662.060.
Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, to Eisai Co., Ltd. 3-(3,5-di-tert-butyl-4-hydroxy benzylidene)-2-pyrrolidone and substituted derivatives thereof. 4,833,160, 5-23-89, Cl. 514-424.000.
Ikuta, Hironori: *See—*
Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.
Ikuta, Hirotoshi; and Takayama, Akira, to Fujitsu Limited. Method and apparatus for loading/unloading a drum member. 4,823,160, 4-18-89, Cl. 355-3.0DR.
Ikuta, Hirotoshi: *See—*
Nakanishi, Akio; Hino, Toshio; Iino, Yoshio; Suetani, Kazuhisa; Houki, Yoji; and Ikuta, Hirotoshi, 4,878,088, Cl. 355-244.000.
Ikuta, Kazuo: *See—*
Ochiai, Hironori; Suzuki, Etsuo; and Ikuta, Kazuo, 4,874,202, Cl. 296-222.000.
Ikuta, Kazuyoshi: *See—*
Ueda, Shigeharu; Ikuta, Kazuyoshi; Kato, Shiro; and Uchida, Tsuyoshi, 4,867,976, Cl. 424-92.000.
Ikuta, Kenzi: *See—*
Honda, Minoru; Fukuta, Toshiaki; Yamaguchi, Akihide; and Ikuta, Kenzi, 4,799,470, Cl. 123-470.000.
Ikuta, Kiyoshi, to Canon Kabushiki Kaisha. Battery check device for camera. 4,866,471, 9-12-89, Cl. 354-468.000.
Ikuta, Kunio; and Murai, Masayuki, to Dainippon Screen Mfg. Co., Ltd. Halftone dot-generator and generating method. 4,825,298, 4-25-89, Cl. 358-298.000.
Ikuta, Nobuo: *See—*
Suzuki, Yasuo; Suzuki, Yasuaki; and Ikuta, Nobuo, 4,809,227, Cl. 365-168.000.
Ikuta, Shinji: *See—*
Ikeda, Noriaki; Sugishima, Noboru; Fujii, Yasushi; Ikuta, Shinji; Nakanishi, Yoshiyuki; and Inoue, Akira, 4,840,749, Cl. 260-378.000.
Ikuta, Shiro; Suyama, Eizo; Yokoyama, Masaru; and Yoshimura, Takeshi, to Nihon Radiator Co., Ltd. Cooling fin for heat exchanger. 4,796,694, 1-10-89, Cl. 165-152.000.
Ikuta, Tamao: *See—*
Matsuoka, Mikiharu; Yamada, Yasuhiro; Miyazaki, Yasuko; Kanemoto, Takashi; Katayama, Hirohiko; and Ikuta, Tamao, 4,881,900, Cl. 434-113.000.
Ikuta, Terukuni: *See—*
Kato, Akira; Ikuta, Terukuni; and Tamada, Masamichi, 4,822,384, Cl. 55-158.000.
Ikuta, Tetsuya: *See—*
Kusumoto, Yoshiro; Takakuwa, Kazuo; Ikuta, Tetsuya; Suzuki, Akitoshi; and Nakayama, Izumi, 4,849,260, Cl. 427-250.000.
Nakayama, Izumi; Suzuki, Akitoshi; Kusumoto, Yoshiro; Takakuwa, Kazuo; and Ikuta, Tetsuya, 4,800,105, Cl. 427-253.000.
Ikuta, Yasushi: *See—*
Imoto, Katsuyuki; Maeda, Minoru; Kameyama, Masayoshi; Ikuta, Yasushi; Araki, Hiroshi; and Oho, Shigeru, 4,842,359, Cl. 350-96.160.
Ikuta, Yoichi, to Futaba Denshi Kogyo K.K. Front emission type fluorescent display device. 4,845,407, 7-4-89, Cl. 315-169.000.
Ikuzaki, Kunihiko: *See—*
Shimohigashi, Katsuhiro; Masuda, Hiroo; Ikuzaki, Kunihiko; and Kawamoto, Hiroshi, 4,860,255, Cl. 365-189.000.
Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, to Kureha Kagaku Kogyo Kabushiki Kaisha. Pharmaceutical composition containing a glycoprotein. 4,820,689, 4-11-89, Cl. 514-8.000.
Ikuzawa, Masanori: *See—*
Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.
Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.
Ilacqua, Peter P.: *See—*
Carnahan, Blake A.; and Ilacqua, Peter P., 4,816,791, Cl. 333-33.000.
Ilardi, Leonora M.: *See—*
Madison, Stephen A.; Ilardi, Leonora M.; Liberati, Patricia; and Schwarz, Joshua, 4,822,510, Cl. 252-95.000.
ILC Technology, Inc.: *See—*
Duda, C. Richard, 4,842,404, Cl. 356-218.000.
Roberts, Roy D.; and Young, Norman L., 4,823,043, Cl. 313-231.610.
Ilco Unican Inc.: *See—*
Fish, Aaron M.; Matzeld, Leon; Branwer, Alexander; Miresmaili, Masoud; and Dausseine, Sean-Paul, 4,861,083, Cl. 292-347.000.
Lizotte, Edgar G., 4,848,116, Cl. 70-306.000.
Ildvaco Engineering A/S: *See—*
Vennike, Torben, 4,879,949, Cl. 101-157.000.
Ilegbusi, Olusegun J.: *See—*
Szekely, Julian; and Ilegbusi, Olusegun J., 4,824,078, Cl. 266-237.000.
Iler, Edwin A.: *See—*
Martel, Guy G.; and Iler, Edwin A., 4,883,493, Cl. 623-38.000.
Iles, Lawrence F.: *See—*
Goplen, Gary D.; and Iles, Lawrence F., 4,872,528, Cl. 181-228.000.
Iley, William J.; and Yorke, John W., to Lever Brothers Company. Antifoam ingredient for detergent compositions. 4,818,292, 4-4-89, Cl. 106-210.000.
Ilfrey, William T.; Spatz, Edward C.; Peterson, Elmer R.; and Moran, William, to Baker Hughes Incorporated. Gravel packing apparatus and method. 4,858,691, 8-22-89, Cl. 166-278.000.
Ilg, Gregory R. S.; Jones, Lester A.; and Flood, Mark A., to Allen-Bradley Company, Inc. Communication network polling technique. 4,829,297, 5-9-89, Cl. 340-825.080.
Ilg, Laszlo; and Gligora, Mario. Use of aryloxycarboxylic acid derivatives against dermatological diseases. 4,871,752, 10-3-89, Cl. 514-355.000.
Iliff, Michael D.: *See—*
Iwasaki, Dean H.; and Iliff, Michael D., 4,821,738, Cl. 128-765.000.
Iliff, Robert J.: *See—*
Peterson, David; Chen, Loren; and Iliff, Robert J., 4,874,537, Cl. 252-99.000.
Illabo Mining Equipment Company: *See—*
Rayner, Martin, 4,848,677, Cl. 241-40.000.
Illakowicz, Jan, to McDermott International, Inc. Internal flash removal unit. 4,822,221, 4-18-89, Cl. 409-309.000.
Illakowicz, Jan, to McDermott International, Inc. Drive wheel unit. 4,838,170, 6-13-89, Cl. 104-138.200.
Illes, Karoly: *See—*
Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, 4,865,492, Cl. 406-109.000.
Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, 4,869,460, Cl. 251-62.000.
Illgen, Edgar: *See—*
Will, Erich; Harms, Harry; Lullman, Johannes; Illgen, Edgar; Boseck, Siegfried; Schmidbauer, Georg; and Kreitlow, Horst, 4,806,746, Cl. 250-201.000.
Illick, Robert C., Jr.: *See—*
Firooz, Kamran; Harwood, Vance R.; Illick, Robert C., Jr.; and Crook, David T., 4,799,023, Cl. 328-110.000.
Illinois State Geological Survey, The: *See—*
Shiley, Richard H.; Hughes, Randall E.; Webster, John R.; Hinckley, Conrad C.; Smith, Gerald V.; and Wiltowski, Tomasz, 4,888,029, Cl. 44-622.000.
Illinois State University: *See—*
Fryda, Lawrence J.; and Foster, John W., 4,807,201, Cl. 367-99.000.
Stevenson, Gerald R.; Espe, Matthew P.; and Reiter, Richard C. 4,849,075, Cl. 204-157.200.
Illinois Tool Works Inc.: *See—*
Blucher, William J.; Ernst, Richard J.; and Peterson, Francis C. 4,856,951, Cl. 411-178.000.
Boeckmann, Hugo; and Van Erden, Donald, 4,844,258, Cl. 206-328.000.
Borst, Herbert A.; MacHacek, Zdenek; Schnittger, Ernest; Schulte, Richard D.; Scott, Richmond; and Tilman, Paul A., 4,842,135, Cl. 206-328.000.
Ernst, Richard J., 4,840,294, Cl. 222-287.000.
Frano, Frank G., 4,878,792, Cl. 411-339.000.
Heidorn, Richard, 4,865,565, Cl. 439-622.000.
Hinkle, Jay L., 4,866,428, Cl. 340-636.000.
Klygis, Mindaugas J.; and Weaver, William N., 4,807,751, Cl. 206-427.000.
Klygis, Mindaugas J., 4,848,565, Cl. 206-150.000.
Lems, Peter, 4,828,110, Cl. 206-427.000.
Lems, Peter; and Slomski, Edward J., 4,841,711, Cl. 53-398.000.
Martelli, Robert A., 4,810,144, Cl. 411-182.000.
McCully, Peter K.; and French, Edward C., 4,813,109, Cl. 24-278.000.
Nelson, John F., 4,830,556, Cl. 411-41.000.
Neville, Donald G., 4,830,324, Cl. 248-425.000.
Offenburger, Mark; Parker, Eric; and Ptak, Frank, 4,802,807, Cl. 411-387.000.
Rayburn, Charles C., 4,849,853, Cl. 361-309.000.
Schultz, Duane M.; and Wetle, Gerald J., 4,796,794, Cl. 227-156.000.
Sivy, George T., 4,845,151, Cl. 524-762.000.
Udelhofen, Mark J., 4,819,303, Cl. 24-182.000.
Watts, Leslie M., 4,857,711, Cl. 219-548.000.
Illner, Erich: *See—*
Renner, Gunter; and Illner, Erich, 4,855,441, Cl. 548-363.000.
Illum, Lisbeth, to Fisons plc. Pharmaceutical composition including sodium cromoglycate. 4,847,091, 7-11-89, Cl. 424-455.000.
Illuzzi, Francesca: *See—*
D'Agostino, Riccardo; Cramarossa, Francesco; Fracassi, Francesco; Illuzzi, Francesca; and Caporiccio, Gerardo, 4,869,922, Cl. 427-38.000.

Illy, Ernesto; and Maughan, William S., to Illycaffe S.p.A.; and Gunson's Sortex Limited. Procedure for sorting a granular material and a machine for executing the procedure. 4,807,762, 2-28-89, Cl. 209-580.000.
Illy, Ernesto, to Illycaffe' S.p.A. Method for making a ground coffee discoid pad. 4,852,333, 8-1-89, Cl. 53-436.000.
Illycaffe S.p.A.: *See—*
Illy, Ernesto; and Maughan, William S., 4,807,762, Cl. 209-580.000.
Illy, Ernesto, 4,852,333, Cl. 53-436.000.
Ilmarinen, Antti: *See—*
Alajoutsijarvi, Juhani; Ehrola, Juha; Iimarinen, Antti; and Verkasalo, Matti, 4,825,520, Cl. 29-116.100.
Ilmasti Elektroniikka Oy: *See—*
Ilmasti, Veikko, 4,868,386, Cl. 250-253.000.
Ilmasti, Veikko, to Ilmasti Elektroniikka Oy. Method and apparatus for measuring radon content in the air. 4,868,386, 9-19-89, Cl. 250-253.000.
Ilon, Bengt E., to Autotyp S.A. Snow chain for vehicle wheels. 4,799,522, 1-24-89, Cl. 152-213.00R.
Ilott, Jan. Control means for spraying apparatus. 4,798,336, 1-17-89, Cl. 239-337.000.
Ilovai, Zoltan: *See—*
Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
Iltis, Claude: *See—*
Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.
Ilvento, Robert. Ice accommodating sleeve apparatus for cooling kegs. 4,835,[illegible] 6-6-89, Cl. 62-372.000.
Im, Ho-Bin, and Park, Kyu-Charn, to Korea Advanced Institute of Science and Technology. Process for the production of sintered films of $Cd_{1-x}Zn_xS$. 4,828,875, 5-9-89, Cl. 427-74.000.
Im, Jang-hi: *See—*
Chau, C. C.; Im, Jang-hi; Raspor, Otto C.; and Tung, Lu H., 4,873,037, Cl. 264-49.000.
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Sugimura, Hiroshi; Imada, Eiji; Kojima, Yoshimi; and Tsuchimoto, Shuhei, 4,883,733, Cl. 430-54.000.
Imada, Hideaki, to Advantest Corporation. Memory test pattern generator. 4,797,886, 1-10-89, Cl. 371-27.000.
Imada, Isuke; Terao, Shinji; Kawada, Mitsuru; and Shiraishi, Mitsuru, to Takeda Chemical Industries, Ltd. Quinine derivatines. 4,818,441, 4-4-89, Cl. 260-396.00R.
Imada, Isuke: *See—*
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Imada, Yukio; Yoshikawa, Nobuji; Mizuno, Sumiko; and Mikawa, Takashi, to Agency of Industrial Science & Technology; and Ministry of International Trade and Industry. Process for preparing muconic acid. 4,871,667, 10-3-89, Cl. 435-142.000.
Imade, Shinichi; Shionoya, Kazunori; Ikuta, Eishi; Taguchi, Koji; Nishiyama, Toyoo; Wakamatsu, Seiichi; and Nagasaki, Tatsuo, to Olympus Optical Co., Ltd. Ultrasonic endoscope apparatus. 4,880,011, 11-14-89, Cl. 128-662.060.
Imade, Shinichi: *See—*
Nakada, Akio; Takayama, Syuichi; Kubota, Tatsuya; Kubota, Tetsumaru; Taguchi, Koji; Imade, Shinichi; and Sekino, Naomi, 4,867,141, Cl. 128-24.00A.
Imaeda, Masayoshi: *See—*
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Imagawa, Hitoshi; Urushidani, Shigeo; and Hagishima, Koichi, to Nippon Telegraph and Telephone Corporation. Self-routing switch. 4,864,558, 9-5-89, Cl. 370-60.000.
Imagawa, Kazushige: *See—*
Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
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Imagawa, Osamu; Iwanishi, Masazumi; and Yokoyama, Seiichiro, to Toyo Boseki Kabushiki Kaisha. Hydrogenated amorphous silicon film. 4,839,701, 6-13-89, Cl. 357-2.000.
Imagawa, Osamu; Iwanishi, Masazumi; and Yokohama, Seiichiro, to Toyo Boseki Kabushiki Kaisha. Process for producing hydrogenated amorphous silicon film. 4,866,006, 9-12-89, Cl. 437-101.000.
Imagawa, Shunjiro: *See—*
Okumura, Mitsunao; Senda, Atsuo; and Imagawa, Shunjiro, 4,845,587, Cl. 361-302.000.
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Image Business Systems Corporation: *See—*
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Image Innovations, Inc.: *See—*
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Image Micro Systems, Inc.: *See—*
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Image Storage/Retrieval Systems, Inc.: *See—*
Erhardt, Heinrich S., 4,846,694, Cl. 434-365.000.
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Imahashi, Hiromichi; Kubo, Toshio; Asahi, Kazumi; Mukai, Hideyuki; and Ogata, Keizo, to Hitachi, Ltd. Cladding tube for nuclear fuel and nuclear fuel element having this cladding tube. 4,863,679, 9-5-89, Cl. 376-417.000.
Imahashi, Issei, to Tokyo Electron Limited. Wafer transport apparatus for ion implantation apparatus. 4,873,447, 10-10-89, Cl. 250-492.200.
Imahashi, Kazuo: *See—*
Nagai, Satoru; Imahashi, Kazuo; Nagaya, Yoshio; Yoshida, Shigeo; Kitagawa, Satoshi; and Miyazawa, Takatoshi, 4,822,541, Cl. 264-42.000.
Imahashi, Toru; Maruyama, Naoyuki; Konishi, Hideki; and Saito, Muneo, to Nihon Bunko Kogyo Kabushiki Kaisha. Split stream flow cell. 4,844,611, 7-4-89, Cl. 356-246.000.
Imahori, Kazutomo; Kondo, Hitoshi; Nakajima, Hiroshi; and Iwasaki, Tatsuo, to Imahori, Kazutomo; Kenkyusho, Rikagaku; and Unitika Ltd. Process for producing physiologically active substance by multienzyme process. 4,882,276, 11-21-89, Cl. 435-89.000.
Imahori, Seiichi; Himeno, Kiyoshi; and Yoshihara, Junji, to Mitsubishi Chemical Industries, Limited. Phenyl acothienylthiazoaniline dis-azo dye for polyester fibers. 4,841,036, 6-20-89, Cl. 534-761.000.
Imahori, Tokio: *See—*
Murakami, Sanpei; Miyaaki, Tohru; Imahori, Tokio; Ogata, Koichi; and Hagita, Hidenari, 4,855,146, Cl. 426-5.000.
Imai, Akihiro; Matsuda, Hiromu; Yubakami, Keiichi; and Taguchi, Nobuyoshi, to Matsushita Electric Industrial Co., Ltd. Dye-receiving sheets for thermal dye transfer printing comprising a composite film substrate. 4,839,337, 6-13-89, Cl. 503-227.000.

- Imai, Akio: *See—*
  - Takao, Hiroyoshi; Yoshida, Nobuyuki; Imai, Akio; Tsuji, Mitsuji; and Saito, Yuichi, 4,812,527, Cl. 525-250.000.
  - Takao, Hiroyoshi; Imai, Akio; and Seki, Tomoaki, 4,885,338, Cl. 525-77.000.
  - Yoshida, Nobuyuki; Imai, Akio; and Seki, Tomoaki, 4,845,173, Cl. 525-272.000.
- Imai, Akira: *See—*
  - Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,820,600, Cl. 430-58.000.
  - Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,822,704, Cl. 430-58.000.
  - Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,889,924, Cl. 534-658.000.
- Imai, Chihiro: *See—*
  - Makishima, Tokuo, deceased; Makishima, Nobuko, legal representative; Ueki, Satoshi; and Imai, Chihiro, 4,801,654, Cl. 525-333.700.
  - Shiozawa, Kouji; Okumura, Yoshiharu; Imai, Chihiro; and Okamoto, Nobukazu, 4,820,674, Cl. 502-169.000.
  - Shiozawa, Kouji; Takai, Haruko; Takatsuna, Kazutoshi; Okamoto, Nobukazu; Okumura, Yoshiharu; and Imai, Chihiro, 4,888,436, Cl. 556-413.000.
  - Tachikawa, Mamoru; Sakuma, Masato; Ueki, Satoshi; Imai, Chihiro; and Makishima, Tokuo, 4,849,483, Cl. 526-97.000.
- Imai, Eiichi: *See—*
  - Hyosu, Yoshihiko; Mori, Hiromi; and Imai, Eiichi, 4,845,007, Cl. 430-137.000.
  - Mori, Hiromi; Matsunaga, Satoshi; Kobayashi, Kuniko; Hyosu, Yoshihiko; and Imai, Eiichi, 4,804,610, Cl. 430-137.000.
- Imai, Eiji: *See—*
  - Nakaoku, Shozo; Imai, Eiji; Oshika, Yasuhiro; and Ohira, Kazuo, 4,826,840, Cl. 514-218.000.
- Imai, Hajime: *See—*
  - Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, 4,880,092, Cl. 192-4.00A.
- Imai, Harumitsu; Suzuki, Ken-ichi; Miyazaki, Shigeru; and Kadota, Shigenobu, to Yamanouchi Pharmaceutical Co., Ltd. Novel microorganisms and a novel process for producing antibiotics. 4,843,008, 6-27-89, Cl. 435-252.100.
- Imai, Hideki; and Sasaki, Minoru, to Kabushiki Kaisya Advance Kaihatsu Kenkyujo. Signal processing system. 4,839,649, 6-13-89, Cl. 341-65.000.
- Imai, Hideki: *See—*
  - Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.
- Imai, Hidenori: *See—*
  - Matumoto, Hiroyuki; Imai, Hidenori; and Tada, Shozi, 4,845,235, Cl. 548-550.000.
- Imai, Hideyuki: *See—*
  - Yokoi, Hiroshi; Ogawa, Yoshihiro; and Imai, Hideyuki, 4,806,437, Cl. 428-623.000.
- Imai, Hiroshi: *See—*
  - Funai, Kiyoshi; Yamamoto, Tetsu; Maeda, Nobuaki; Imai, Hiroshi; and Yoshioka, Kouichi, 4,819,110, Cl. 360-106.000.
  - Kasai, Junichi; Imai, Hiroshi; and Yanagishima, Takayuki, 4,866,776, Cl. 381-24.000.
- Imai, Hirosuke: *See—*
  - Yuasa, Hitoshi; Matsuno, Mitsuo; and Imai, Hirosuke, 4,804,795, Cl. 585-21.000.
- Imai, Hiroyuki; Horiike, Yoshio; and Yamamoto, Masahiro, to Matsushita Electric Industrial Co., Ltd. Establishment of bit synchronization in a data transmitting/receiving system. 4,868,854, 9-19-89, Cl. 375-118.000.
- Imai, Hitoshi; Arai, Ryuichiro; Koyanagi, Kimiyuki; and Tadokoro, Michihiro, to Mitsubishi Denki Kabushiki Kaisha. Optical head for an optical recording and reproducing apparatus. 4,841,507, 6-20-89, Cl. 369-44.000.
- Imai, Hitoshi; Okada, Kazuo; and Tadokoro, Michihiro, to Mitsubishi Denki Kabushiki Kaisha. Wavelength selective optical data storage system. 4,876,666, 10-24-89, Cl. 365-106.000.
- Imai, Hitoshi: *See—*
  - Andou, Nobuyoshi; and Imai, Hitoshi, 4,861,139, Cl. 350-255.000.
  - Okada, Kazuo; Tadokoro, Michihiro; and Imai, Hitoshi, 4,868,807, Cl. 369-109.000.
  - Tadokoro, Michihiro; Okada, Kazuo; and Imai, Hitoshi, 4,862,442, Cl. 369-45.000.
  - Tadokoro, Michihiro; Imai, Hitoshi; and Okada, Kazuo, 4,881,204, Cl. 369-46.000.
- Imai, Isamu; and Inada, Norio, to Bridgestone Corporation. Heavy duty pneumatic tire. 4,807,682, 2-28-89, Cl. 152-557.000.
- Imai, Isamu; and Inada, Norio, to Bridgestone Corporation. Heavy duty-high pressure pneumatic radial tires. 4,887,655, 12-19-89, Cl. 152-531.000.
- Imai, Isao: *See—*
  - Miyoshi, Ryota; and Imai, Isao, 4,863,800, Cl. 428-403.000.
  - Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.
- Imai, Jun: *See—*
  - Takeda, Takao; Yamazaki, Hitoshi; Taniguchi, Yoshiteru; Tanaka, Norihiko; Ito, Hiroshi; Uchida, Minoru; and Imai, Jun, 4,840,593, Cl. 445-26.000.
- Imai, Katsuhiko, to Kawatetsu Kenzai Kogyo Kabushiki Kaisha. Joint device of structure member. 4,872,779, 10-10-89, Cl. 403-171.000.
- Imai, Katsuhiko: *See—*
  - Saji, Kosaburo; Yamamoto, Shigeru; and Imai, Katsuhiko, 4,887,404, Cl. 52-306.000.
- Imai, Katsuyuki: *See—*
  - Mochizuki, Takanori; Toda, Kenzo; Koga, Mamoru; Togawa, Yoshiyuki; Takayama, Shinitiro; and Imai, Katsuyuki, 4,804,450, Cl. 204-299.00R.
- Imai, Kazumichi: *See—*
  - Nagai, Keiichi; Tokinaga, Daizo; Imai, Kazumichi; Yasuda, Kenji; Takahashi, Satoshi; and Kobayashi, Teruaki, 4,824,778, Cl. 435-7.000.
- Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; and Takenaka, Toichi, to Yamanouchi Pharmaceutical Co., Ltd. Sulfamoyl-substituted phenethylamine derivatives and process of producing them. 4,868,216, 9-19-89, Cl. 514-603.000.
- Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; Takenaka, Toichi; and Honda, Kazuo, to Yamanouchi Pharmaceutical Co., Ltd. Process of producing phenethylamine derivatives. 4,880,841, 11-14-89, Cl. 514-654.000.
- Imai, Kazutaka: *See—*
  - Motai, Hiroshi; Fukushima, Yaichi; Osaki, Katsumichi; Okamura, Katutoshi; and Imai, Kazutaka, 4,797,358, Cl. 435-176.000.
- Imai, Kimimasa; and Shinya, Hiroshi, to Kabushiki Kaisha Toshiba. Semiconductor circuit device for preventing an output of a bistable circuit from becoming unstable. 4,849,653, 7-18-89, Cl. 307-290.000.
- Imai, Kiyoshi; Kawashima, Kazumi; and Ishida, Makoto, to Matsushita Electric Industrial Co., Ltd. Television receiver display apparatus having multi-image display capability. 4,796,089, 1-3-89, Cl. 358-183.000.
- Imai, Kiyoshi; and Kawashima, Kazumi, to Matsushita Electric Industrial Co., Ltd. Two-picture television receiver. 4,816,915, 3-28-89, Cl. 358-183.000.
- Imai, Kiyoshi: *See—*
  - Itoh, Kunio; Imai, Kiyoshi; and Fukuda, Takeshi, 4,826,905, Cl. 524-366.000.
- Imai, Koichi; and Izumichi, Hideo, to Nikkiso Co., Ltd. Process for producing stabilized yarn for producing carbon fiber. 4,814,129, 3-21-89, Cl. 264-83.000.
- Imai, Koji: *See—*
  - Kawai, Naoki; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; Ina, Toshikazu; and Kuno, Akira, 4,822,093, Cl. 296-65.100.
  - Sakakibara, Kazuo; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; and Ina, Toshikazu, 4,807,934, Cl. 297-403.000.
- Imai, Kouichi: *See—*
  - Kikuchi, Nobuaki; Fukuyama, Hirohisa; Hirabayashi, Tamio; and Imai, Kouichi, 4,799,743, Cl. 312-228.000.
- Imai, Kouji; and Suzuki, Isoo, to Idemitsu Kosan Company Limited. Transparent electrical discharge machining fluid. 4,849,122, 7-18-89, Cl. 252-73.000.
- Imai, Kunio, to Kabushiki Kaisha Mominoki. Method of and apparatus for processing vacuum fry. 4,828,859, 5-9-89, Cl. 426-302.000.
- Imai, Kunio, to Canon Kabushiki Kaisha. Image pickup device. 4,843,475, 6-27-89, Cl. 358-225.000.
- Imai, Masafumi: *See—*
  - Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,311, Cl. 502-111.000.
  - Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,312, Cl. 502-111.000.
  - Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,313, Cl. 502-111.000.
- Imai, Masaharu, to Olympus Optical Co., Ltd. Scanning pulse generating circuit. 4,890,308, 12-26-89, Cl. 377-79.000.
- Imai, Masahito; Yamada, Toshitaka; Mizuno, Tiaki; and Shioya, Hirohito, to Nippondenso Co., Ltd. Semiconductor accelerometer. 4,829,822, 5-16-89, Cl. 73-516.00R.
- Imai, Masanori: *See—*
  - Kita, Nobuyuki; and Imai, Masanori, 4,845,009, Cl. 430-176.000.
- Imai, Masaru; Ohtsuka, Shuichi; and Watanabe, Izumi, to Fuji Photo Film Co., Ltd. A method and apparatus for cleaning a developing electrode of an electrophotographic device. 4,864,351, 9-5-89, Cl. 355-245.000.
- Imai, Masaru: *See—*
  - Yamana, Keiichi; Imai, Masaru; and Ohtsuka, Shuichi, 4,873,545, Cl. 355-256.000.
- Imai, Minoru, to Tokyo Electric Co., Ltd. Ribbon feed device including tensioning control means. 4,804,283, 2-14-89, Cl. 400-234.000.
- Imai, Minoru: *See—*
  - Okada, Takeji; Sawaide, Minoru; Imai, Minoru; and Tachibana, Daisuke, 4,873,145, Cl. 428-407.000.
- Imai, Mizuho: *See—*
  - Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, 4,858,192, Cl. 365-200.000.
  - Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, 4,882,507, Cl. 307-443.000.
- Imai, Motomasa: *See—*
  - Furukawa, Osamu; Harata, Mitsuo; Yasumoto, Takaaki; and Imai, Motomasa, 4,882,652, Cl. 361-321.000.
- Imai, Naohiro: *See—*
  - Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.
- Imai, Nobuhiro; and Asano, Fumio, to Canon Kabushiki Kaisha. Image forming apparatus and developing device thereof. 4,887,103, 12-12-89, Cl. 346-160.100.

- Imai, Osamu: *See—*
  - Haga, Takahiro; Toki, Tadaaki; Koyanagi, Toru; Fujii, Yasuhiro, Yoshida, Kiyomitsu; and Imai, Osamu, 4,861,799, Cl. 514-594.000.
  - Nakata, Masami; and Imai, Osamu, 4,855,708, Cl. 338-20.000.
- Imai, Ryoichi, to Canon Kabushiki Kaisha. Apparatus for reading image recorded on film. 4,825,065, 4-25-89, Cl. 250-205.000.
- Imai, Satoshi: *See—*
  - Nakata, Syozo; and Imai, Satoshi, 4,803,329, Cl. 219-86.250.
- Imai, Shigeaki: *See—*
  - Okawa, Takayuki; and Imai, Shigeaki, 4,810,562, Cl. 428-199.000.
- Imai, Shigeo: *See—*
  - Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Tomida, Katsushi, 4,883,709, Cl. 428-288.000.
  - Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Kobayashi, Toshio, 4,840,829, Cl. 428-131.000.
  - Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; and Ishigami, Makoto, 4,868,958, Cl. 28-104.000.
- Imai, Shigetoshi; and Akioka, Takao. Sheet take-out apparatus. 4,871,162, 10-3-89, Cl. 271-35.000.
- Imai, Shin-ichi; and Hosoya, Naoki, to Kabushiki Kaisha Toshiba. Charge transfer device provided with charge detection circuit of a floating gate system. 4,800,579 1-24-89, Cl. 377-60.000.
- Imai, Shin-ichi; and Sakata, Akira, to Kabushiki Kaisha Toshiba. Semiconductor circuit for driving a load circuit with power supplied independently. 4,851,712, 7-25-89, Cl. 307-296.100.
- Imai, Shin-ichi; and Hosoya, Naoki, to Kabushiki Kaisha Toshiba. Input circuit of charge transfer device. 4,890,307, 12-26-89, Cl. 377-60.000.
- Imai, Shoji; Nagaoka, Mitsuru; Matsuoka, Toshihiro; and Nobumoto, Kazutoshi, to Mazda Motor Corporation. Engine control system. 4,834,045, 5-30-89, Cl. 123-352.000.
- Imai, Shozaburo; Isobe, Michihisa; Yokoo, Kazuhiro; and Matsuura, Hideaki, to Sumitomo Chemical Company, Limited. Optical disk substrate. 4,812,345, 3-14-89, Cl. 428-65.000.
- Imai, Soichiro: *See—*
  - Shimazaki, Seiji; and Imai, Soichiro, 4,834,336, Cl. 248-666.000.
- Imai, Takahiro; and Fujimori, Naoji, to Sumitomo Electric Industries, Ltd. Thin film single crystal diamond substrate. 4,863,529, 9-5-89, Cl. 148-33.400.
- Imai, Takahiro: *See—*
  - Fujimori, Naoji; and Imai, Takahiro, 4,806,900, Cl. 338-22.00R.
  - Fujimori, Naoji; and Imai, Takahiro, 4,849,290, Cl. 428-408.000.
- Imai, Takeo. Process for collecting a contaminated substance and apparatus thereof. 4,856,419, 8-15-89, Cl. 98-115.100.
- Imai, Takeo; and Iwano, Kazuko, to Kao Corporation. Spherical fine particulate pigment and process for preparing the same. 4,861,379, 8-29-89, Cl. 106-402.000.
- Imai, Tamotsu; Barger, Paul T.; and Eck, Anthony H., to UOP Inc. Conversion of methane into larger organic hydrocarbons. 4,795,843, 1-3-89, Cl. 585-408.000.
- Imai, Tamotsu; and Bricker, Jeffery C., to UOP Inc. Dehydrogenation of dehydrogenatable hydrocarbons. 4,812,597, 3-14-89, Cl. 585-443.000.
- Imai, Tamotsu; Abrevaya, Hayim; Bricker, Jeffery C.; and Jan, Deng-Yang, to UOP Inc. Dehydrogenation catalyst composition and hydrocarbon dehydrogenation process. 4,827,072, 5-2-89, Cl. 585-443.000.
- Imai, Tamotsu; and Abrevaya, Hayim, to UOP. Dehydrogenation catalyst and process. 4,880,764, 11-14-89, Cl. 502-326.000.
- Imai, Tamotsu; and Schmidt, Robert J., to UOP. Hydrocarbon dehydrogenation process. 4,886,928, 12-12-89, Cl. 585-660.000.
- Imai, Tamotsu: *See—*
  - Barger, Paul T.; Thompson, Gregory J.; Herber, Raymond R.; and Imai, Tamotsu, 4,857,666, Cl. 585-323.000.
  - Frame, Robert R.; and Imai, Tamotsu, 4,795,851, Cl. 585-512.000.
- Imai, Tatsuji, to Brother Kogyo Kabushiki Kaisha. Driving method of a printing apparatus employing a non-stabilized power source. 4,822,185, 4-18-89, Cl. 400-54.000.
- Imai, Teruo: *See—*
  - Aoyama, Takeo; Imai, Teruo; Hattori, Junichi; and Uehara, Mikio, 4,876,049, Cl. 264-43.000.
- Imai, Tetsuo; Marier, Gregory J.; and Warnke, Wayne L., to Yamaha Hatsudoki Kabushiki Kaisha. Vehicle with steering-controlled torsion bar stabilizer. 4,804,198, 2-14-89, Cl. 280-21.100.
- Imai, Tetsuo; Marien, Gregory J.; and Warnke, Wayne L., to Yamaha Hatsudoki Kabushiki Kaisha. Vehicle with steering-controlled torsion bar stabilizer. 4,815,759, 3-28-89, Cl. 280-21.100.
- Imai, Tomoyasu; Mukai, Ryouhei; and Tsutsui, Toshihiro, to Toyoda Koki Kabushiki Kaisha. Method of truing grinding wheel. 4,866,887, 9-19-89, Cl. 51-325.000.
- Imai, Tooru; Mutou, Kouichi; Yamazaki, Hidetoshi; and Murata, Masae, to Victor Company of Japan, Ltd. Information recording disc player having receiving parts for receiving a plurality of disc cartridges. 4,797,865, 1-10-89, Cl. 369-39.000.
- Imai, Tsutomu: *See—*
  - Umehara, Kiyoshi; Yamamoto, Hisaomi; Kobayashi, Nobuo; and Imai, Tsutomu, 4,839,099, Cl. 252-607.000.
- Imai, Yasuhito; Okamoto, Atsutoshi; and Sakai, Toshiyasu, to Nippondenso Co., Ltd. Bar code label. 4,864,112, 9-5-89, Cl. 235-463.000.
- Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuke; Ueda, Syuzo; and Karino, Seimei, to Japan as Represented by Director General, Technical Research and Development Institute, Japan Defense Agency; Nippon Steel Corporation; and Kawasaki Steel Corporation. High toughness, ultra-high strength steel having an excellent stress corrosion cracking resistance with a yield stress of not less than 110 kgf/mm^2. 4,814,141, 3-21-89, Cl. 420-109.000.
- Imai, Yasumichi: *See—*
  - Endo, Katsuhiro; and Imai, Yasumichi, 4,866,405, Cl. 332-159.000
- Imai, Yoshihiko: *See—*
  - Sugimura, Tatuo; Satoh, Isao; Imai, Yoshihiko; and Ichinose, Makoto, 4,841,498, Cl. 369-32.000.
- Imai, Yoshikazu: *See—*
  - Ishikawa, Toshikatsu; Tokutomi, Katsuya; and Imai, Yoshikazu, 4,877,643, Cl. 427-57.000.
- Imai, Yoshio; Kakimoto, Masaaki; Maruyama, Yutaka; and Koishi, Toshio, to Central Glass Company, Limited. Aromatic polyethers having biphenylfluorene group. 4,806,618, 2-21-89, Cl. 528-125.000.
- Imai, Yoshio; Kakimoto, Masaaki; Oishi, Yoshiyuki; and Maruyama, Yutaka, to Central Glass Company, Limited. Method of preparing aromatic polyamides and polybenzoxazoles. 4,820,793, 4-11-89, Cl. 528-183.000.
- Imai, Yoshio: *See—*
  - Saiki, Masatsugu; Imai, Yoshio; and Takagi, Makoto, 4,822,529, Cl. 260-403.000.
- Imai, Yuji, to Nikon Corporation. Apparatus for aligning a reticle mark and substrate mark. 4,831,272, 5-16-89, Cl. 250-548.000.
- Imaide, Takuya, to Hitachi, Ltd. Charge coupled device delay line. 4,796,071, 1-3-89, Cl. 357-24.000.
- Imaide, Takuya; Ohdawa, Hisao; and Noda, Masaru, to Hitachi, Ltd. Solid state imager having a signal processing circuit for reducing noise. 4,809,074, 2-28-89, Cl. 358-213.150.
- Imaide, Takuya; Nishimura, Ryuji; and Noda, Masaru, to Hitachi, Ltd. Solid state imaging apparatus with means for controlling signal accumulation period. 4,819,075, 4-4-89, Cl. 358-213.180.
- Imaide, Takuya: *See—*
  - Todaka, Yoshihiro; and Imaide, Takuya, 4,809,076, Cl. 358-213.190.
- Imaizumi, Atsushi; Kamimura, Takashi; Suwa, Yorimasa; and Okada, Masahiro, to Teijin Limited. Protein having phospholipase A2 inhibitory activity. 4,810,780, 3-7-89, Cl. 530-350.000.
- Imaizumi, Haruo: *See—*
  - Suzuki, Hirosuke; Yasumoto, Hiromi; and Imaizumi, Haruo, 4,825,221, Cl. 343-785.000.
- Imaizumi, Hiraku: *See—*
  - Odagawa, Yoshimoto; Yanagisawa, Yasushi; and Imaizumi, Hiraku, 4,803,426, Cl. 324-207.000.
  - Odagawa, Yoshimoto; Yanagisawa, Yasushi; Imaizumi, Hiraku; Mori, Teruo; Shioura, Takashi; Okada, Kazuhiro; and Yanagisawa, Kiyoshi, 4,866,379, Cl. 324-207.000.
  - Saito, Kiyokazu; and Imaizumi, Hiraku, 4,890,085, Cl. 336-192.000.
- Imaizumi, Hiroyuki: *See—*
  - Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.
- Imaizumi, Katsumi: *See—*
  - Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
- Imaizumi, Masaru; and Hayama, Hiroyoshi, to Minolta Camera Kabushiki Kaisha. Refill and waste toner container with form changing member. 4,862,226, 8-29-89, Cl. 355-298.000.
- Imaizumi, Masaru: *See—*
  - Nishise, Hideya; Sakakibara, Susumu; and Imaizumi, Masaru, 4,803,513, Cl. 355-3.0DD.
- Imaizumi, Nobuo: *See—*
  - Inoue, Nobuyuki; Takahashi, Katsumi; and Imaizumi, Nobuo, 4,801,340, Cl. 148-103.000.
- Imaizumi, Takeshi: *See—*
  - Hashimoto, Toru; Takahashi, Akira; Imaizumi, Takeshi; Saito, Susumu; Tanaka, Hiroshi; and Jimbo, Takeshi, 4,834,054, Cl. 123-571.000.
  - Ito, Yukihiro; Imaizumi, Takeshi; Tukahara, Tadayuki; and Miyamoto, Yoshimi, 4,808,841, Cl. 307-11.000.
- Imaizumi, Tomio; and Ashiba, Masahiro, to Tokico Ltd. Hydraulic damper of adjustable damping force type. 4,800,994, 1-31-89, Cl. 188-319.000.
- Imaizumi, Tomoaki; Kawai, Taneichi; Nishida, Kouji; and Murakami, Yuuichi, to Aisin Seiki Kabushiki Kaisha. Lock system for opening cover member of vehicle. 4,860,002, 8-22-89, Cl. 340-825.310.
- Imaizumi, Yasuyuki, to Yoshino Kogyosho Co., Ltd. Synthetic resin sheet having notching strip and container. 4,855,168, 8-8-89, Cl. 428-35.200.
- Imaizumo, Tomio, to Tokico Ltd. Damping force adjustable hydraulic shock absorber. 4,875,560, 10-24-89, Cl. 188-319.000.
- IMAJE, S.A.: *See—*
  - Grosselin, Pascal, 4,860,787, Cl. 137-487.500.
- Imajo, Keiji: *See—*
  - Fushiki, Yasuo; Isshiki, Minoru; Nakano, Hiroshi; Oizumi, Masayuki; Shimomura, Masayoshi; and Imajo, Keiji, 4,803,115, Cl. 428-285.000.
- Imajo, Minoru; and Kawakita, Tsunehiro, to Nissan Motor Co., Ltd. Oil degradation warning system. 4,839,831, 6-13-89, Cl. 364-550.000.
- Imakawa, Susumu; and Takeyama, Yoshinobu, to Ricoh Company, Ltd. Synchronizing signal generating system for laser scanner. 4,837,588, 6-6-89, Cl. 346-108.000.
- Imakawa, Susumu: *See—*
  - Tomita, Satoru; and Imakawa, Susumu, 4,834,477, Cl. 350-6.200.
- Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, to Ono Pharmaceutical Co., Ltd. 3-phenoxy (or phenylthio)—cyclopentanecarbonylamino acid analogues. 4,829,078, 5-9-89, Cl. 514-397.000.

Imaki, Katsuhiro; Arai, Yoshinobu; and Ohno, Hiroyuki, to Ono Pharmaceutical Co., Ltd. Derivatives of p-guantidinobenzoic acid and pharmaceutical agents containing them as active ingredient. 4,843,094, 6-27-89, Cl. 514-518.000.
Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, to Ono Pharmaceutical Co., Ltd. 3-phenoxy (or phenylthia) cyclopentanecarbonylamino acid analogues. 4,888,351, 12-19-89, Cl. 514-397.000.
Imaki, Takao: *See—*
  Miyatake, Kimio; Imaki, Takao; and Fujiwara, Masahiko, 4,808,825, Cl. 250-343.000.
Imakita, Takeshi: *See—*
  Kawai, Yoichi; Udagawa, Takatoshi; Imakita, Takeshi; and Yokote, Sachio, 4,885,162, Cl. 424-83.000.
Imamatsu, Kazuya: *See—*
  Hattori, Kenichi; and Imamatsu, Kazuya, 4,871,198, Cl. 285-373.000.
Imamiya, Yoshimi: *See—*
  Taguchi, Katsuhiko; Imamiya, Yoshimi; Takegawa, Yuji; Kuroda, Kiyoshi; and Arashi, Sotonari, 4,848,606, Cl. 222-333.000.
Imamoto, Hiroshi: *See—*
  Imanaka, Koichi; and Imamoto, Hiroshi, 4,839,307, Cl. 437-129.000.
Imamura, Eiji; and Nishiyama, Katsumi, to Murata Manufacturing Co., Ltd. Capacitor network. 4,855,866, 8-8-89, Cl. 361-306.000.
Imamura, Hitoshi; and Nakajima, Junichi, to Kabushiki Kaisha Toshiba; and Toshiba Electric Equipment Corporation. Fluorescent lamp generating different color light beams. 4,835,440, 5-30-89, Cl. 313-492.000.
Imamura, Humihiro; and Hotta, Tomio, to Kabushiki Kaisha Toshiba. Siphon coffee maker. 4,876,953, 10-31-89, Cl. 99-280.000.
Imamura, Humihiro: *See—*
  Narita, Ryuho; Kako, Hidenori; and Imamura, Humihiro, 4,858,095, Cl. 363-21.000.
Imamura, Jiro; Wakai, Katsuro; and Yoshida, Tohru, to Hitachi, Ltd. I/O interrupt handiing mechanism in a multiprocessor system. 4,833,598, 5-23-89, Cl. 364-200.000.
Imamura, Kaneo: *See—*
  Suzuki, Takio; and Imamura, Kaneo, 4,860,706, Cl. 123-337.000.
Imamura, Kazunori; Hayano, Fuminori; Kakizaki, Yukio; and Kobayashi, Jiro, to Nikon Corporation. Conveyor arm apparatus with gap detection. 4,803,373, 2-7-89, Cl. 250-561.000.
Imamura, Kazunori, to Nippon Kogaku K.K. Protective device for photographic masks. 4,833,051, 5-23-89, Cl. 430-5.000.
Imamura, Kazunori: *See—*
  Hayano, Fuminori; Imamura, Kazunori; Murata, Sunao; and Kato, Kinya, 4,889,998, Cl. 250-563.000.
Imamura, Kenichi; and Taguchi, Masao, to Fujitsu Limited. Comparator circuit using resonant-tunneling transistor. 4,868,418, 9-19-89, Cl. 307-362.000.
Imamura, Kunio: *See—*
  Kitao, Teijiro; Yamaguchi, Tetsuhiko; Murofushi, Katsumi; Futagami, Masato; Nagato, Nobuyuki; and Imamura, Kunio, 4,833,256, Cl. 549-227.000.
Imamura, Makoto; and Miyamoto, Ryouichi, to Kabushiki Kaisha Toshiba. Film carrier and a method for manufacturing a semiconductor device utilizing the same. 4,874,086, 10-17-89, Cl. 206-330.000.
Imamura, Masaaki: *See—*
  Ito, Yasushi; Imamura, Masaaki; Kato, Yoshiki; and Fumioka, Jun, 4,842,618, Cl. 51-293.000.
  Takasuna, Eiichi; and Imamura, Masaaki, 4,844,963, Cl. 428-64.000.
Imamura, Masanaga: *See—*
  Mochizuki, Hidehiro; Imamura, Masanaga; Suzuki, Akira; Shimada, Masaru; and Uemura, Hiroyuki, 4,880,768, Cl. 503-227.000.
Imamura, Masazumi: *See—*
  Hayakawa, Isao; Atarashi, Shohgo; Yokohama, Shuichi; and Imamura, Masazumi, 4,871,852, Cl. 544-363.000.
Imamura, Munekazu: *See—*
  Sogawa, Ichiro; Morikawa, Taketsune; Yotsuya, Koro; Nishiguchi, Masanori; Imamura, Munekazu; and Shirakura, Yasuhiko, 4,809,704, Cl. 128-675.000.
Imamura, Nobuaki: *See—*
  Ikeuchi, Hiroshi; and Imamura, Nobuaki, 4,823,248, Cl. 363-20.000.
Imamura, Nobutake: *See—*
  Tanaka, Shinsuke; Imamura, Nobutake; and Ota, Chuichi, 4,814,238, Cl. 428-692.000.
Imamura, Shigeyuki; and Misaki, Hideo, to Toyo Jozo Kabushiki Kaisha. Composition for lipase assay. 4,845,028, 7-4-89, Cl. 435-15.000.
Imamura, Shigeyuki: *See—*
  Takahashi, Mamoru; Imamura, Shigeyuki; and Takada, Masaki, 4,877,733, Cl. 435-190.000.
Imamura, Shinzo: *See—*
  Miyata, Satoru; Fukuda, Hiromi; and Imamura, Shinzo, 4,824,964, Cl. 548-490.000.
Imamura, Tadashi; Shigaki, Kazuyuki; Yamazaki, Yuji; Masuda, Tadashi; and Okumura, Tsunemasa, to Topy Kogyo Kabushiki Kaisha. Cast wheel. 4,861,113, 8-29-89, Cl. 301-65.000.
Imamura, Takaharu; Tsuji, Hiroshi; Aruga, Chikao; and Kawatsura, Tohru, to Asahi Glass Company Ltd. Method for bending glass plates for a laminated glass. 4,828,598, 5-9-89, Cl. 65-104.000.
Imamura, Takashi; Nishigawa, Norio; Kurosaki, Tomihiro; Fukasawa, Junichi; and Kato, Haruya, to Kao Corporation. Metal salts of monoalkyl phosphates, preparation thereof, and cosmetic compositions comprising same. 4,804,533, 2-14-89, Cl. 424-69.000.
Imamura, Takashi: *See—*
  Koyanagi, Yoshihiro; Imamura, Takashi; and Sasaki, Gen, 4,833,487, Cl. 346-1.100.
Imamura, Takayuki: *See—*
  Sugahara, Keishin; Imamura, Takayuki; Hamada, Fukusaburo; Ohtomo, Nobuya; Fujita, Haruo; and Yagami, Kazuhide, 4,839,277, Cl. 435-7.000.
Imamura, Takeshi: *See—*
  Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Tsuchitani, Masatoshi; and Nakajima, Ryoichi, 4,818,449, Cl. 264-29.200.
  Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Fuji, Masaki; and Minohata, Masanori, 4,873,071, Cl. 423-448.000.
Imamura, Tetsuya: *See—*
  Kishine, Nobuyuki; Hirakura, Megumu; and Imamura, Tetsuya, 4,811,152, Cl. 360-133.000.
Imamura, Tomoatsu: *See—*
  Senma, Toshitaka; Imamura, Tomoatsu; and Shimada, Katsuyuki, 4,856,008, Cl. 372-31.000.
Imamura, Toshiharu: *See—*
  Watanabe, Kazuhiro; Ota, Makoto; and Imamura, Toshiharu, 4,825,201, Cl. 340-717.000.
Imamura, Youichiro; Kaeriyama, Toshiyuki; and Ishimoto, Hironori, to Texas Instruments Incorporated. Semiconductor and process of fabrication thereof. 4,855,798, 8-8-89, Cl. 357-71.000.
Imanaga, Eisuke. Electrically opening and closing faucet device. 4,889,315, 12-26-89, Cl. 251-129.030.
Imanaka, Asaji; Fujiwara, Tatsuo; and Osaka, Shuichi, to Nippon Air Brake Co., Ltd. Wheel-slip detection system. 4,885,693, 12-5-89, Cl. 364-426.020.
Imanaka, Asaji; and Nagata, Kazutaka, to Nippon Air Brake Co., Ltd. Vital pressure regulating system for railroad cars. 4,886,320, 12-12-89, Cl. 303-11.000.
Imanaka, Hiroshi: *See—*
  Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.
  Okamoto, Masanori; Uchida, Itsuo; Umehara, Kazuyoshi; Kohsaka, Masanobu; and Imanaka, Hiroshi, 4,797,417, Cl. 514-473.000.
  Okamoto, Masanori; Iwami, Morita; Takase, Shigehiro; Uchida, Itsuo; Umehara, Kazuyoshi; Konsaka, Masanobu; and Imanaka, Hiroshi, 4,863,926, Cl. 514-255.000.
Imanaka, Koichi; and Imamoto, Hiroshi, to Omron Tateisi Electronics Co. Method of manufacturing a stripe-shaped heterojunction laser with unique current confinement. 4,839,307, 6-13-89, Cl. 437-129.000.
Imanaka, Makoto: *See—*
  Okada, Susumu; Imanaka, Makoto; Masui, Susumu; Obara, Takashi; Shinozaki, Masatoshi; and Tsunoyama, Kozo, 4,889,566, Cl. 148-2.000.
Imanaka, Masayoshi: *See—*
  Noda, Kouji; Imanaka, Masayoshi; and Isayama, Katsuhiko, 4,870,144, Cl. 526-216.000.
Imanaka, Ryoichi, to Matsushita Electric Industrial Co., Ltd. Tracking control apparatus for recording disc reproducing apparatus. 4,799,206, 1-17-89, Cl. 369-44.000.
Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, to Hitachi, Ltd. Thin film magnetic head and method of manufacture. 4,841,402, 6-20-89, Cl. 360-126.000.
Imanaka, Yoshiaki; and Taniguchi, Hideaki, to Sharp Kabushiki Kaisha. Developing agent for electrophotography with silica and magnetic additives. 4,804,609, 2-14-89, Cl. 430-106.600.
Imanari, Hitoshi: *See—*
  Hamanishi, Yoshinari; Shiokama, Yoshiharu; Imanari, Hitoshi; and Ohmori, Sachio, 4,796,045, Cl. 354-400.000.
Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, to Mitsubishi Petrochemical Co., Ltd.; Mitsubishi Jukogyo Kabushiki Kaisha; and Catalyst and Chemicals Industries, Co., Ltd. Denitration catalyst for reducing nitrogen oxides in exhaust gas. 4,833,113, 5-23-89, Cl. 502-309.000.
Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, to Mitsubishi Petrochemical Co. Ltd.; Mitsubishi Jukogyo Kabushiki Kaisha; Catalyst & Chemicals Industries, Co., Ltd.; and Mitsubishi Petrochemical Engineering Co., Ltd. Process for removing nitrogen oxides from exhaust gases. 4,855,115, 8-8-89, Cl. 423-239.000.
Imanari, Makoto: *See—*
  Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromi; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
Imani, Yuichi: *See—*
  Moriguchi, Koichi; Imani, Yuichi; and Kozaki, Tetsuji, 4,844,50 Cl. 280-689.000.
Imani, Yuuichi: *See—*
  Matsui, Kazuma; Hattori, Yoshiyuki; Imani, Yuuichi; Kuno, Akira; and Nomura, Yoshihisa, 4,800,498, Cl. 364-426.020.
Imanishi, Hideki: *See—*
  Sumimoto, Takashi; Hirochika, Takashi; Imanishi, Hideki; and Kubo, Kazuo, 4,815,556, Cl. 180-311.000.

Imanishi, Katsushi: *See—*
  Matsuzawa, Hirokage; Suzuki, Ikuo; Tsuruga, Teruhisa; Orihashi, Takashi; Imanishi, Katsushi; and Takemura, Tadashi, 4,867,858, Cl. 204-290.00R.
Imanishi, Kazuo, to Kabushiki Kaisha Toshiba. Audio output amplifier. 4,821,000, 4-11-89, Cl. 330-298.000.
Imanishi, Kazuo, to Kabushiki Kaisha Toshiba. Power amplifier circuit with a stand-by state. 4,853,648, 8-1-89, Cl. 330-273.000.
Imanishi Kinzoku Kogyo Kabushiki Kaisha: *See—*
  Okamoto, Kenzo; and Kitada, Fumihiko, 4,798,970, Cl. 307-119.000.
  Okamoto, Kenzo; and Kitada, Fumihiko, 4,833,285, Cl. 219-10.55F.
  Okamoto, Kenzo; and Kitada, Fumihiko, 4,875,721, Cl. 292-29.000.
Imanishi, Kiyokazu; Watanabe, Wataru; and Kobata, Kiyoshi, to Matsushita Electric Industrial Co., Ltd. Flexible recording medium tensioning magnetic recording head. 4,809,105, 2-28-89, Cl. 360-104.000.
Imanishi, Shinji: *See—*
  Uematsu, Hiroaki; and Imanishi, Shinji, 4,877,492, Cl. 204-1.00T.
Imanishi, Shozo; and Sato, Mitsuo, to Aida Engineering, Ltd. Dynamic balancing device for press. 4,800,777, 1-31-89, Cl. 74-604.000.
Imanishi, Shozo; and Sato, Mitsuo, to Aida Engineering, Ltd. Dynamic balancing device for press. 4,817,456, 4-4-89, Cl. 74-604.000.
Imanishi, Taichi; and Muraoka, Shigemitsu, to Asahi Kasei Kogyo Kabushiki Kaisha. Poly-p-phenylene-terephthalamide film and process for producing the same. 4,857,255, 8-15-89, Cl. 264-216.000.
Imanishi, Yoshiaki: *See—*
  Komai, Kensaku; and Imanishi, Yoshiaki, 4,829,429, Cl. 364-405.000.
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  Ogiwara, Satoshi; Ichikawa, Izumi; Imano, Haruo; and Miura, Genmei, 4,864,651, Cl. 455-617.000.
Imano, Seiji: *See—*
  Hiramatsu, Rihei; Imano, Seiji; Watanabe, Kazushi; and Takeishi, Shinzo, 4,888,672, Cl. 363-49.000.
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  Nagata, Masanori; Kaneoka, Tsugio; Imano, Shigeki; and Matumoto, Hitoshi, 4,821,573, Cl. 73-597.000.
Imao, Kaoru, to Ricoh Company, Ltd. Gradation processing method for color images. 4,819,193, 4-4-89, Cl. 364-526.000.
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  Ishizaka, Yasuo; Watanabe, Noboru; Kimura, Kazuo; and Imaoka, Eiichiro, 4,798,765, Cl. 428-336.000.
Imaoka, Kazunori, to Fujitsu Limited. Process for forming planar wiring using polysilicon to fill gaps. 4,801,559, 1-31-89, Cl. 437-193.000.
Imaoka, Shinichi: *See—*
  Nakamoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kono, 4,874,939, Cl. 250-211.00J.
Imasaki, Kenji; Ichihashi, Toshiaki; and Sasaki, Masafumi, to Pioneer Electronic Corporation. CATV scrambling and descrambling method. 4,839,922, 6-13-89, Cl. 380-15.000.
Imase, Kenji. Gearless differential speed reducer structure. 4,829,851, 5-16-89, Cl. 74-798.000.
Imaseki, Chiharu, to Minolta Camera Kabushiki Kaisha. Thermal printer. 4,848,941, 7-18-89, Cl. 400-120.000.
Imataki, Hiroyuki; Hiraoka, Mizuho; Ichikawa, Sachiko; Ogawa, Yoshihiro; and Yoshino, Hitoshi, to Canon Kabushiki Kaisha. Optical recording medium and optical recording method using the same. 4,871,649, 10-3-89, Cl. 430-270.000.
Imataki, Hiroyuki; Hiraoka, Mizuho; Tamura, Tomoyuki; and Satoh, Tetsuya, to Canon Kabushiki Kaisha. Molding processing using a reproducible molding die. 4,876,042, 10-24-89, Cl. 264-39.000.
Imatani, Tsuneo: *See—*
  Matsuno, Kenji; Imatani, Tsuneo; Sato, Nobuyuki; Teruuchi, Osamu; and Kurashima, Hideo, 4,883,937, Cl. 219-121.640.
  Yasumuro, Hisakazu; Watanabe, Michio; Taira, Kazuo; Imatani, Tsuneo; and Kurashima, Hideo, 4,858,782, Cl. 220-458.000.
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  Kautto, Jorma, 4,882,852, Cl. 34-41.000.
  Raiko, Markku, 4,866,928, Cl. 60-39.050.
  Soininen, Mauri, 4,823,477, Cl. 34-1.000.
  Tuus, Esko; Maaatta, Raimo; and Ruuskanen, Antti, 4,861,519, Cl. 252-633.000.
Imaue, Yukihisa; Asanuma, Masato; and Takada, Kyoichi, to Sharp Kabushiki Kaisha. Transfer device in electrophotographic copying machine. 4,851,879, 7-25-89, Cl. 355-274.000.
Imax Systems Corporation: *See—*
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Imayasu, Satoshi: *See—*
  Kakimoto, Shigeya; Sumino, Yasuhiro; Yamada, Hideaki; Imayasu, Satoshi; Ichikawa, Eiji; and Suizu, Tetsuyoshi, 4,844,911, Cl. 426-11.000.
Imayoshi, Mamoru, to Nippon Air Brake Co., Ltd. Pull-type booster. 4,854,220, 8-8-89, Cl. 91-376.00R.
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  Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,593, Cl. 65-18.400.
  Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,594, Cl. 65-18.400.
  Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,595, Cl. 65-18.400.
Imayoshi, Tomonori: *See—*
  Oe, Takanori; Kawasaki, Kazuyuki; Terasawa, Michio; and Imayoshi, Tomonori, 4,808,593, Cl. 514-291.000.
  Oe, Takanori; Kawasaki, Kazuyuji; Terasawa, Michio; Imayoshi, Tomonori; and Yasunaga, Yukihiro, 4,808,620, Cl. 514-303.000.
Imazaike, Mikiharu, to Matsushita Denki Sangyo Kabushiki Kaisha; and Imazaike Seiko Kabushiki Kaisha. Cassette changer for magnetic recording-reproduction apparatus. 4,807,066, 2-21-89, Cl. 360-92.000.
Imazaike Seiko Kabushiki Kaisha: *See—*
  Imazaike, Mikiharu, 4,807,066, Cl. 360-92.000.
Imazeki, Kazuyoshi; and Yokoyama, Nobuaki, to General Research of Electronics, Inc. Radio receiver. 4,797,636, 1-10-89, Cl. 331-48.000.
Imazeki, Shuichi; and Ikeda, Hiroaki, to NEC Corporation. Semiconductor memory capable of executing logical operation. 4,831,591, 5-16-89, Cl. 365-189.080.
Imazeki, Shuichi: *See—*
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Imazeki, Shuji: *See—*
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Imazeki, Youichi: *See—*
  Morioka, Kazuo; Kokubo, Takashi; Imazeki, Youichi; and Murayama, Hideharu, 4,847,710, Cl. 360-72.200.
Imazu, Katsuhiro; Horiguchi, Makoto; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Taira, Kazuo; and Ueno, Hiroshi, to Toyo Seikan Kaisha, Ltd. Metal vessel having circumferential side seam. 4,863,063, 9-5-89, Cl. 220-458.000.
Imazu, Ryuzo, to Fuji Sangyo Co., Ltd. Method of detecting and correcting an error that has occurred in a digital computer. 4,888,780, 12-19-89, Cl. 371-31.000.
Imbach, Jean-Louis: *See—*
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Imbeault, Jacques. Water ski boot. 4,808,134, 2-28-89, Cl. 441-70.000.
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Imbert, Christian: *See—*
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Imbery, Dieter; and Teufel, Eberhard, to Rhodia AG. Ventilated cigarette. 4,809,717, 3-7-89, Cl. 131-332.000.
ImBrogno, J. A. Bird cage trap. 4,829,701, 5-16-89, Cl. 43-61.000.
Imbt, John H.: *See—*
  Weaver, Robert C., 4,801,171, Cl. 296-100.000.
  Weaver, Robert C., 4,858,984, Cl. 296-100.000.
IMC Fertilizer, Inc.: *See—*
  Mizrahi, Joseph, 4,882,134, Cl. 423-356.000.
IMC Magnetics Corp.: *See—*
  Gornstein, Robert J.; and Patrick, Dennis J., 4,844,698, Cl. 416-223.00R.
Imel, Michael T., to Intel Corporation. Two-phase non-overlapping clock generator. 4,816,700, 3-28-89, Cl. 307-269.000.
Imel, Michael T.; Lai, Konrad; Myers, Glenford J.; Steck, Randy; and Valerio, James, to Intel Corporation. Mixed-precision floating point operations from a single instruction opcode. 4,823,260, 4-18-89, Cl. 364-200.000.
Imel, Michael T.: *See—*
  Myers, Glenford J.; Lai, Konrad; Imel, Michael T.; Hinton, Glenn; and Riches, Robert, 4,811,208, Cl. 364-200.000.
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  Powanda, Thomas M.; Imes, Robert H.; and Collins, George L., 4,868,329, Cl. 560-205.000.
Imhof, Erich; and Vorbeck, Manfred, to Eisenwerke Friedrich Wilhelm Duker GmbH & Co. Joint secured against sliding. 4,805,932, 2-21-89, Cl. 285-4.000.
Imhof, Martin: *See—*
  Deckner, Andre G.; Imhof, Martin; and Zweymuller, Karl, 4,813,962, Cl. 623-23.000.
Imhof, Rainer; and Lukasczyk, Wolfgang, to Mannesmann Rexroth GmbH. Multi-way valve. 4,850,394, 7-25-89, Cl. 137-554.000.
Imhof, Rene: *See—*
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  Aschwenden, Werner; Imhof, Rene; Jakob-Roetne, Roland; and Kyburz, Emilio, 4,883,815, Cl. 514-541.000.
IMI Engineering, Co.: *See—*
  Wasterval, Philip W., Jr.; and Armstrong, James E., 4,885,893, Cl. 52-745.000.
Imi-Tech Corporation: *See—*
  Ferro, Gregory A., 4,874,452, Cl. 156-308.600.
  Ferro, Gregory A., 4,883,827, Cl. 521-184.000.
IMI Yorkshire Fittings Limited: *See—*
  Rushton, William, 4,879,094, Cl. 420-475.000.
Imiolex, Mieczyslaw; and Alexander, Arthur, to THORN EMI Flow Measurement Limited. Fluid leak detector. 4,847,599, 7-11-89, Cl. 340-605.000.

Immega, Guy, to MacDonald Dettwiler and Associates Ltd. Tension actuator load suspension system. 4,826,206, 5-2-89, Cl. 280-711.000.
Immel, Erich. Powered load carrier. 4,811,988, 3-14-89, Cl. 298-2.000.
Immel, Manfred, to Rittal-Werk Rudolf Loh GmbH & Co., KG. Apparatus for connecting a control panel with an air conditioning device. 4,802,060, 1-31-89, Cl. 361-379.000.
Immel, Manfred, to Rittal-Werk Rudolf Loh GmbH & Co. KG. Apparatus for removing condensate water from a compressor-operated cooling device. 4,882,911, 11-28-89, Cl. 62-288.000.
Immendorfer, Manfred; Kopp, Dieter; and Hormann, Thomas, to Alcatel N.V. Circuit connecting a voice-controlled device to a telephone station and line. 4,837,808, 6-6-89, Cl. 379-96.000.
Immer, Hans U.: *See—*
  Deghenghi, Romano; and Immer, Hans U., 4,824,937, Cl. 530-326.000.
Immormino, Fredrick R.: *See—*
  Stewart, Daniel L.; Immormino, Fredrick R.; Galdun, Daniel J.; and Rischar, Charles M., 4,858,101, Cl. 364-131.000.
Immucor, Inc.: *See—*
  Sinor, Lyle T.; Plapp, Frederick V.; and Rachel, Jane M., 4,816,413, Cl. 436-520.000.
Immunetech Pharmaceuticals: *See—*
  Hahn, Gary S., 4,816,449, Cl. 514-17.000.
Immunex Corporation: *See—*
  Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.300.
  Cerretti, Douglas P.; Davis, Brian S.; and Maliszewski, Charles R., 4,879,374, Cl. 536-27.000.
  Cosman, David J., 4,808,611, Cl. 514-12.000.
  Hopp, Thomas P.; and Prickett, Kathryn S., 4,851,341, Cl. 435-68.000.
  Jacobs, Cindy A., 4,816,436, Cl. 514-2.000.
  Kronheim, Shirley R., 4,801,686, Cl. 530-351.000.
  Urdal, David L.; March, Carl J.; and Dower, Steven K., 4,845,198, Cl. 530-387.000.
Immunicon Corporation: *See—*
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  Eibl, Johann; and Linnau, Yendra, 4,814,277, Cl. 435-269.000.
  Eibl, Johann; Linnau, Yendra; and Schwarz, Otto, 4,886,758, Cl. 435-269.000.
  Montie, Thomas C.; Dorner, Friedrich; McDonel, James L.; and Mitterer, Artur, 4,831,121, Cl. 530-350.000.
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  Seelich, Thomas, 4,816,251, Cl. 424-101.000.
  Zatloukal, Kurt; and Dinges, Hans P., 4,850,373, Cl. 128-749.000.
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  Hawthorne, Marion F., 4,824,659, Cl. 424-1.100.
Immunotec, Inc.: *See—*
  Booren, Jack C., 4,822,611, Cl. 424-195.100.
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Imo Delaval Inc.: *See—*
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  Jacobs, John H., 4,804,251, Cl. 350-392.000.
Imo Industries, Inc.: *See—*
  Marx, Howard B., 4,867,199, Cl. 137-512.100.
  Rando, Joseph D., 4,862,124, Cl. 335-151.000.
  Rando, Joseph D., 4,862,583, Cl. 29-602.100.
  Rando, Joseph D., 4,880,990, Cl. 250-577.000.
Imoehl, William J., to Siemens-Bendix Automotive Electronics L.P. Electronic throttle actuator. 4,850,319, 7-25-89, Cl. 123-361.000.
Imoehl, William J., to Siemens-Bendix Automotive Electronics L.P. Accelerator control apparatus. 4,869,220, 9-26-89, Cl. 123-399.000.
Imokawa, Genji: *See—*
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Imokawa, Naoki: *See—*
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Imondi, Giuliano: *See—*
  D'Arrigo, Sebastiano; Imondi, Giuliano; Lin, Sung-Wei; and Gill, Manzur, 4,823,318, Cl. 365-189.000.
  Smayling, Michael C.; D'Arrigo, Sebastiano; Imondi, Giuliano; and Vergara, Sossio, 4,823,320, Cl. 365-189.000.
Imonti, Maurice M., to CooperVision, Inc. Surgical protector for raised wounds. 4,870,977, 10-3-89, Cl. 128-890.000.
Imonti, Maurice M.: *See—*
  Hood, Larry L.; and Imonti, Maurice M., 4,816,017, Cl. 604-22.000.
Imori, Hideo: *See—*
  Taji, Ryoichi; and Imori, Hideo, 4,857,787, Cl. 310-180.000.
Imoto, Katsuyuki, to Hitachi, Ltd. Two-way optical fiber transmission network. 4,801,190, 1-31-89, Cl. 350-96.160.
Imoto, Katsuyuki; and Sano, Hirohisa, to Hitachi, Ltd. Optical fiber star coupler and method of manufacturing the same. 4,822,128, 4-18-89, Cl. 350-96.160.
Imoto, Katsuyuki; Maeda, Minoru; Kameyama, Masayoshi; Ikuta, Yasushi; Araki, Hiroshi; and Oho, Shigeru, to Hitachi, Ltd. Optical star coupler and method of manufacturing the same. 4,842,359, 6-27-89, Cl. 350-96.160.
Imoto, Katsuyuki, to Hitachi, Ltd. Optical waveguide and method for fabricating the same. 4,856,859, 8-15-89, Cl. 350-96.120.
Imoto, Katsuyuki, to Hitachi, Ltd. Optical waveguide device. 4,871,221, 10-3-89, Cl. 350-96.120.
Imoto, Katsuyuki; Takase, Akihiko; Takai, Atsushi; Aoki, Satoshi; Yoshiya, Tsutomu; and Yamada, Shoji, to Hitachi, Ltd. Two-way optical transmission system. 4,880,289, 11-14-89, Cl. 350-96.180.
Imoto, Koji; Tateishi, Mataji; Omura, Tadao; Nakajima, Kunihiko; Maekawa, Motoyuki; Matusyama, Moritake; and Tamura, Hiroki, to Mitsubishi Jukogyo Kabushiki Kaisha; and Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Combustion chamber of a sub-chamber type internal combustion engine. 4,875,445, 10-24-89, Cl. 123-292.000.
Imoto, Satoshi, to Citizen Watch Co., Ltd. Lighting device for a liquid crystal display device. 4,826,294, 5-2-89, Cl. 350-345.000.
Imoto, Takeo: *See—*
  Anzai, Masatsugu; and Imoto, Takeo, 4,846,159, Cl. 128-57.000.
Imoto, Yasuo: *See—*
  Sakaida, Atsuo; Chikaoka, Yasuji; Imoto, Yasuo; Iriguchi, Akira; and Ikezaki, Yoshiyuki, 4,874,978, Cl. 310-328.000.
Imoto, Yuzo: *See—*
  Wakata, Hideo; Imoto, Yuzo; Takei, Toshihiro; and Hattori, Yoshiyuki, 4,796,957, Cl. 303-116.000.
  Wakata, Hideo; Takei, Toshihiro; Hattori, Yoshiyuki; Uno, Haruhiko; and Imoto, Yuzo, 4,836,618, Cl. 303-103.000.
Impact Business Forms Limited: *See—*
  Del Grande, Paul E., 4,846,501, Cl. 282-9.00R.
Impact Systems, Inc.: *See—*
  Wolze, David A., 4,859,926, Cl. 323-241.000.
Imperi, Giovanni, to Cesare Fiorucci S.p.A. Automatic mould unloader for hams and the like. 4,871,306, 10-3-89, Cl. 425-437.000.
Imperial Chemical Industries plc: *See—*
  Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,880,931, Cl. 544-316.000.
  Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,883,873, Cl. 544-316.000.
  Adkins, Kelvin P., 4,879,064, Cl. 252-500.000.
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  Andrew, Sydney P.; Doy, Ralph J.; and Limbach, Antony P. J., 4,810,472, Cl. 422-197.000.
  Anthony, Vivienne M.; Clough, John M.; Godfrey, Christopher R. A.; and de Fraine, Paul J., 4,812,162, Cl. 71-90.000.
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  Anthony, Vivienne M.; Clough, John M.; DeFraine, Paul; and Godfrey, Christopher R. A., 4,876,264, Cl. 514-345.000.
  Anthony, Vivienne M.; Clough, John M.; and Godfrey, Christopher A., 4,877,811, Cl. 514-522.000.
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  Brereton, Colin, 4,851,099, Cl. 204-256.000.
  Brew, Allan T., 4,888,233, Cl. 428-220.000.
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  Brierley, David; Kenyon, Ronald W.; and Ridyard, Denis R. A., 4,881,943, Cl. 8-662.000.
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  Brown, George R.; and Smithers, Michael J., 4,831,046, Cl. 514-381.000.
  Brown, George R.; and Smithers, Michael J., 4,845,120, Cl. 514-452.000.
  Brown, James P.; Duber, Ernst O.; and Loenders, Mark, 4,885,341, Cl. 525-458.000.
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  Casci, John L.; Lowe, Barrie M.; and Lowe, Thomas V., 4,876,412, Cl. 585-640.000.
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  Clough, John; and Godfrey, Christopher R. A., 4,802,913, Cl. 71-111.000.
  Clough, John M.; and Godfrey, Christopher R. A., 4,870,075, Cl. 514-255.000.
  Clough, John M.; and Kay, Ian T., 4,882,341, Cl. 514-332.000.
  Clough, John M.; Godfrey, Christopher R. A.; de Fraine, Paul J.; and Snell, Brian K., 4,883,807, Cl. 514-427.000.
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  Devonald, David P.; Nelson, Anthony J.; Quan, Peter M.; and Stewart, David, 4,822,880, Cl. 540-492.000.
  Dijksman, Alan M., 4,830,191, Cl. 206-599.000.
  Dinwoodie, John; Stacey, Martyn H.; Taylor, Michael D.; and Walker, Andrew M., 4,818,633, Cl. 428-614.000.
  Dobson, Brian; Whyman, Peter J. M.; Doy, Ralph J.; Engel, Manfred O.; and Davies, Raymond, 4,882,444, Cl. 549-534.000.
  Dudman, Christopher, 4,851,538, Cl. 546-259.000.
  Edwards, Philip N.; Hales, Neil J.; and Young, Derek W., 4,833,135, Cl. 514-212.000.
  Eling, Berend; and Huygens, Eric, 4,868,043, Cl. 428-304.400.
  Elliott, Raymond; Sunley, Raymond; and Griffin, David A., 4,871,389, Cl. 71-92.000.
  Elliott, Raymond; Griffin, David A.; and Gairns, Raymond S., 4,875,922, Cl. 71-76.000.
  Glen, John B.; and James, Roger, 4,798,846, Cl. 514-731.000.
  Gott, Granville, 4,850,112, Cl. 33-501.000.
  Gravestock, Michael B., 4,849,516, Cl. 540-300.000.
  Gregory, Peter; and Bradbury, [illegible]y, 4,808,568, Cl. 503-227.000.
  Gregory, Peter, 4,824,437, C[illegible] [illegible]71.000.
  Gregory, Peter; and Hann, Richard A., 4,829,048, Cl. 503-227.000.
  Gregory, Peter; Bradbury, Roy; and Meyrick, Barry H., 4,859,651, Cl. 503-227.000.
  Groves, Michael H.; Redshaw, Digby R.; and Cane, Michael R., 4,798,287, Cl. 206-219.000.
  Groves, Michael H.; Redshaw, Digby R.; and Cane, Michael R., 4,821,875, Cl. 206-219.000.
  Hall, Alan J.; Kirk, Frank A.; Patterson, Alan M.; and Paxton, Peter M., 4,818,450, Cl. 264-39.000.
  Hardwick, Roy, 4,860,656, Cl. 102-312.000.
  Hardwick, Roy, 4,879,890, Cl. 72-62.000.
  Hardwick, Roy, 4,887,761, Cl. 228-107.000.
  Hardy, Colin; Martin, Tony R.; Czyzewski, Jerzy; and Levin, Daniel, 4,845,285, Cl. 564-97.000.
  Hargreaves, Rodney B.; McLoughlin, Bernard J.; and Mills, Stuart D., 4,873,254, Cl. 514-356.000.
  Hartridge, Leonard S. G.; Taylor, David W.; and Waters, Roger L., 4,868,232, Cl. 524-35.000.
  Hayden, Percy, 4,810,689, Cl. 502-347.000.
  Hayden, Percy, 4,822,900, Cl. 549-534.000.
  Hayden, Percy, 4,837,194, Cl. 502-348.000.
  Hendy, Brian, 4,866,099, Cl. 521-64.000.
  Hendy, Brian N.; and Smith, John W., 4,820,419, Cl. 210-651.000.
  Howarth, Michael S.; and Tomkinson, David M., 4,812,572, Cl. 546-290.000.
  Hughes, Leslie R.; and Tucker, Howard, 4,845,119, Cl. 514-450.000.
  Hughes, Leslie R.; Oldfield, John; and Tucker, Howard, 4,873,329, Cl. 544-265.000.
  Imwinkelried, Rene; and Seebach, Dieter, 4,812,476, Cl. 562-470.000.
  Jackson, Samuel D., 4,879,047, Cl. 210-756.000.
  John, Glyn R.; Tury, Bernard; and Walker, Campbell F., 4,865,647, Cl. 106-14.150.
  Jones, Derrick F.; and Oldham, Keith, 4,795,755, Cl. 514-383.000.
  Jones, Michael E. B., 4,808,695, Cl. 528-322.000.
  Jones, Wilfred L., 4,804,092, Cl. 206-579.000.
  Kelham, Stephen F., 4,857,200, Cl. 210-651.000.
  Kraus, Hans A., 4,851,433, Cl. 514-648.000.
  Krause, Janusz J. H.; Smith, Peter J.; and Woolhouse, Robin A., 4,873,046, Cl. 264-288.400.
  Langley, Philip, 4,847,393, Cl. 549-523.000.
  MacDonald, William A.; and Ryan, Timothy G., 4,868,278, Cl. 528-288.000.
  Manley, James D.; Mockford, Mary J.; and Stanley, David R., 4,861,735, Cl. 501-96.000.
  Marbrow, Richard A., 4,839,338, Cl. 503-227.000.
  Martin, Graham E.; Cockshott, Ian D.; and Fildes, Francis J. T., 4,878,908, Cl. 623-1.000.
  Nelson, Anthony J.; and Duggan, Peter J., 4,800,145, Cl. 430-58.000.
  Noakes, Timothy J.; Pavey, Ian D.; and Ord, Stuart C., 4,795,330, Cl. 425-6.000.
  Noakes, Timothy J., 4,801,086, Cl. 239-3.000.
  Noakes, Timothy J.; Pavey, Ian D.; Bray, Douglas; and Rowe, Raymond C., 4,829,996, Cl. 128-200.140.
  Noakes, Timothy J.; and Hewitt, Nevil E., 4,854,506, Cl. 239-691.000.
  Noon, Robert A.; Crowley, Patrick J.; and Worthington, Diana M., 4,855,510, Cl. 568-663.000.
  Padget, John C.; and McIlrath, Donald H., 4,806,590, Cl. 524-568.000.
  Parry, Keith P.; Worthington, Paul A.; and Rathmell, William G., 4,880,457, Cl. 71-92.000.
  Perrior, Trevor R.; and Tapolczay, David J., 4,866,078, Cl. 514-345.000.
  Pinto, Alwyn, 4,814,156, Cl. 423-351.000.
  Powell, Richard L.; and Young, Brian, 4,806,694, Cl. 568-615.000.
  Prest, David W.; and Yorke, William J., 4,875,951, Cl. 149-109.600.
  Punja, Nazim, 4,868,209, Cl. 514-531.000.
  Purdy, John R., 4,886,698, Cl. 428-213.000.
  Quan, Peter M.; Stewart, David; and Nelson, Anthony J., 4,879,388, Cl. 548-262.000.
  Ratcliffe, Arnold H., 4,803,201, Cl. 514-239.200.
  Robson, Michael J.; and Williams, John, 4,853,414, Cl. 514-531.000.
  Robson, Michael J., 4,879,423, Cl. 570-127.000.
  Rolfe, Nicholas; Woode, Richard D. A.; and Rothon, Roger N., 4,808,654, Cl. 524-424.000.
  Rowe, Frederick, 4,861,562, Cl. 422-143.000.
  Schofield, John D.; and Slater, Roger, 4,797,440, Cl. 524-239.000.
  Seebach, Dieter; and Griesbeck, Axel, 4,835,294, Cl. 549-274.000.
  Shephard, Margaret C.; and Crowley, Patrick J., 4,808,628, Cl. 514-513.000.
  Smithers, Michael J., 4,806,563, Cl. 514-452.000.
  Stark, William; Hughes, Nigel; and Gunn, Donald M., 4,824,948, Cl. 540-125.000.
  Stark, William M., 4,824,947, Cl. 540-125.000.
  Stead, Cecil V.; Burton, Steven J.; and Lowe, Christopher R., 4,851,528, Cl. 544-189.000.
  Stead, Cecil V.; Burton, Steven J.; and Lowe, Christopher R., 4,864,018, Cl. 530-351.000.
  Stead, Cecil V.; and Lowe, Christopher R., 4,865,990, Cl. 435-803.000.
  Sugavanam, Balasubramanyan, 4,845,250, Cl. 549-512.000.
  Tadros, Tharwat F., 4,875,927, Cl. 71-94.000.
  Tapolczay, David J.; and Spinney, Mark A., 4,857,551, Cl. 514-532.000.
  Taylor, Stephen C., 4,877,740, Cl. 435-253.300.
  Thorpe, David, 4,797,429, Cl. 521-163.000.
  Topham, Susan A., 4,797,383, Cl. 502-338.000.
  Trotoir, Jean-Paul; and Bath, Colin, 4,829,114, Cl. 524-243.000.
  Tucker, Howard, 4,880,839, Cl. 514-613.000.
  Turnbull, Michael D.; and Kay, Ian T., 4,797,398, Cl. 514-237.500.
  Tury, Bernard, 4,814,010, Cl. 106-14.310.
  Twigg, Martyn V.; and Sengelow, William M., 4,810,685, Cl. 502-60.000.
  Twigg, Martyn V.; and Sengelow, William M., 4,863,712, Cl. 423-651.000.
  Vadgama, Pankaj M.; Mullen, William H.; and Scott, Graham W., 4,832,797, Cl. 204-1.00T.
  Vadgama, Pankaj M., 4,886,740, Cl. 435-4.000.
  Walton, Ian G., 4,886,843, Cl. 522-174.000.
  Waugh, Kenneth C.; and Chinchen, Godfrey C., 4,877,743, Cl. 436-116.000.
  Wem, James W.; and Parten, William, 4,830,751, Cl. 210-634.000.
  Whittle, Alan J., 4,812,483, Cl. 514-721.000.
  Whittle, Alan J., 4,870,218, Cl. 570-127.000.
Imperial Tobacco Limited: *See—*
  Bale, Christopher R.; Bryant, Raymond A.; Garrett, Stephen J.; Gill, Beresford R.; and Jennings, Trevor C., 4,832,057, Cl. 131-73.000.
  Bolt, Anthony J. N.; and Sadd, John S., 4,881,555, Cl. 131-335.000.
  Bryant, Raymond A.; Gill, Beresford R.; Garrett, Stephen J.; and Bale, Christopher R., 4,832,056, Cl. 131-58.000.

Imperial Wallcoverings, Inc.: *See—*
  Bodrogi, Steven I., 4,804,572, Cl. 428-195.000.
Impex Production & Development A/S (Ltd.): *See—*
  Hoksaas, Harald, 4,880,982, Cl. 250-577.000.
Impink, Albert J., Jr.; Lipner, Melvin H.; and Mundy, Roger A., to Westinghouse Electric Corp. On line interactive monitoring of the execution of process operating procedures. 4,803,039, 2-7-89, Cl. 376-216.000.
Impink, Albert J., Jr.; and Grobmyer, Louis R., to Westinghouse Electric Corp. Continuous, online nuclear power distribution synthesis system and method. 4,839,134, 6-13-89, Cl. 376-216.000.
Impink, Albert J., Jr.; Langford, Francis L., Jr.; Grobmyer, Louis R.; and Luinetti, William K., to Westinghouse Electric Corp. Core reactivity validation computer and method. 4,877,575, 10-31-89, Cl. 376-216.000.
Impink, Albert J., Jr.: *See—*
  Ackerson, D. Scott; Impink, Albert J., Jr.; Balkey, Kenneth R.; and Andreychek, Timothy S., 4,801,421, Cl. 376-249.000.
Impink, Victor N. K.: *See—*
  Lipner, Melvin H.; Mundy, Roger A.; and Impink, Victor N. K., 4,815,014, Cl. 364-550.000.
Implant Innovations, Inc.: *See—*
  Lazzara, Richard J.; and Beaty, Keith D., 4,846,683, Cl. 433-173.000.
  Lazzara, Richard J.; and Beaty, Keith D., 4,850,870, Cl. 433-174.000.
  Lazzara, Richard J.; and Beaty, Keith D., 4,850,873, Cl. 433-220.000.
  Lazzara, Richard J.; and Beaty, Keith D., 4,856,994, Cl. 433-173.000.
Impra, Inc.: *See—*
  Colone, William M., 4,822,341, Cl. 604-175.000.
Impris Technology Incorporated: *See—*
  Vadnais, Timothy W.; and Hennenfent, Douglas J., 4,874,922, Cl. 219-243.000.
Impulsphysik GmbH: *See—*
  Fruengel, Frank, 4,839,529, Cl. 250-574.000.
Imran, Mir, to Mieczyslaw Mirowski. System for sensing abnormal heart activity by means of heart rate acceleration and deceleration detection. 4,796,620, 1-10-89, Cl. 128-706.000.
Imran, Mir A., to DataTrak, Inc. Electronic access card with visual display. 4,800,255, 1-24-89, Cl. 235-382.000.
Imran, Mir A., to DataTrak, Inc. Electronic lock box, access card, system and method. 4,851,652, 7-25-89, Cl. 235-382.000.
Imran, Mir A.; and Clark, Keith S., to DataTrak, Inc. Electronic access card having key pads and coils and combination using the same. 4,864,115, 9-5-89, Cl. 235-492.000.
Imre Corporation: *See—*
  Balint, Joseph P., 4,863,869, Cl. 435-296.000.
  Balint, Joseph P., Jr.; and Jones, Frank R., 4,801,449, Cl. 424-85.800.
  Balint, Joseph P., Jr.; Cochran, Sharon; Jones, Frank R.; and Snyder, Harry W., 4,865,841, Cl. 424-85.800.
Imreg, Inc.: *See—*
  Gottlieb, A. Arthur, 4,874,608, Cl. 424-85.100.
  Gottlieb, A. Arthur, 4,876,193, Cl. 435-29.000.
Imreh, Miklos, to Elison. Noise reduction device in an electroacoustic system. 4,815,142, 3-21-89, Cl. 381-106.000.
Ims, Dale R., to Xerox Corporation. Thermal ink jet printer having ink nucleation control. 4,797,692, 1-10-89, Cl. 346-140.00R.
Ims, Dale R.: *See—*
  Deshpande, Narayan V.; Ims, Dale R.; Hermanson, Herman A.; Kneezel, Gary A.; and Markham, Roger G., 4,831,390, Cl. 346-140.00R.
IMS Ionen Mikrofabrikations Systeme Gesellschaft m.b.H.: *See—*
  Loschner, Hans; and Stengl, Gerhard, 4,835,392, Cl. 250-492.200.
  Stengl, Gerhard; Loschner, Hans; and Wolf, Peter, 4,859,857, Cl. 250-492.300.
IMS Limited: *See—*
  Ogle, George B., II, 4,813,406, Cl. 128-87.00A.
  Ogle, George B., II, 4,834,716, Cl. 604-192.000.
  Purcell, Bradford P., 4,822,351, Cl. 604-411.000.
Ims, Paul D. Handling device for hydraulic cylinder. 4,881,769, 11-21-89, Cl. 294-15.000.
Imsdahl, John A.. *See—*
  Fixsen, Dale J.; Hastings, Roger N.; and Imsdahl, John A., 4,796,432, Cl. 62-45.000.
Imsgard, Finn; and Jensen, Bjorn U., to Gori A/S. Process and an agent for stabilizing tributyltin fungicides for preservation of wood. 4,832,744, 5-23-89, Cl. 106-15.050.
Im 't Zandt, Ronald P. H.: *See—*
  Jacobs, Gerardus M. H. M.; and Im 't Zandt, Ronald P. H., 4,795,071, Cl. 227-7.000.
IMTA: *See—*
  Bonomi, Giovanni B.; Giacomini, Luigi; Bonomi, Christiano; Aresa, Carmine; and Frigo, Valerio, 4,885,836, Cl. 29-524.100.
Imtran of Canada: *See—*
  Meredith, Steven A., 4,798,135, Cl. 101-40.000.
Imura, Kazunori: *See—*
  Nakagawa, Koichi; and Imura, Kazunori, 4,807,615, Cl. 128-203.120.
Imura, Kenji, to Minolta Camera Kabushiki Kaisha. Optical system for radiation thermometer. 4,801,212, 1-31-89, Cl. 374-130.000.
Imura, Kenji, to Minolta Camera Kabushiki Kaisha. Photoelectric conversion processing apparatus. 4,814,602, 3-21-89, Cl. 250-226.000.
Imura, Satoshi: *See—*
  Tanaka, Takashi; Imura, Satoshi; and Kida, Yasuji, 4,882,438, Cl. 548-407.000.
Imura, Takeshi; Ando, Katsuhiko; Nakabayashi, Shigemitsu; and Hirose, Maki, to Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for low-pressure casting of light metal alloy. 4,875,518, 10-24-89, Cl. 164-119.000.
Imura, Toru: *See—*
  Araki, Masatada; Kuroyama, Yutaka; Takeuchi, Yukihisa; Takagi, Makoto; Kawamura, Yoshihito; and Imura, Toru, 4,857,414, Cl. 428-612.000.
Imuta, Junichi: *See—*
  Tan, Hiroaki; Kato, Koji; Imuta, Junichi; and Kihara, Noriaki, 4,886,910, Cl. 564-215.000.
Imwinkelried, Rene; and Seebach, Dieter, to Imperial Chemical Industries PLC. Process for stereosectively preparing optically active compounds. 4,812,476, 3-14-89, Cl. 562-470.000.
In-Albon, Jean-Paul; and Eicher, Heinz-Anton. Apparatus for preparing coffee. 4,852,472, 8-1-89, Cl. 99-289.00R.
In Den Kleef, Josephus J. E.; Groen, Johannes P.; and De Graaf, Rudolf G., to U.S. Philips Corporation. Method and apparatus for carrying out a phase correction in MR angiography. 4,870,361, 9-26-89, Cl. 324-309.000.
In Focis Devices Inc.: *See—*
  Sadamune, Dean J.; and Fagen, Shawn J., 4,887,190, Cl. 362-32.000.
In-Pak S.p.A.: *See—*
  Valenti, Dante, 4,871,067, Cl. 206-427.000.
In-Process Technology, Inc.: *See—*
  Kroneberger, Gerald F.; and Wilcox, John B., 4,823,711, Cl. 110-236.000.
In-Situ, Inc.: *See—*
  McKee, Charles B., Jr., 4,843,325, Cl. 324-439.000.
  McKee, Charles B., Jr., 4,884.019, Cl. 324-77.00R.
In 't Zandt, Hubertus W. G.; and Broeren, Martinus H. J. L. M., to OCE-Nederland B.V. Belt tension device. 4,869,707, 9-26-89, Cl. 474-115.000.
In Vitro Scientific Products, Inc.: *See—*
  Serkes, Jonathan M.; and Foschaar, William L., 4,824,787, Cl. 435-285.000.
Ina, Antoine: *See—*
  Plummer, Steven J.; Ina, Antoine; Tipping, David L.; and Esser, Peter D., 4,888,486, Cl. 250-363.040.
INA Bearing Co., Inc.: *See—*
  Martin, Kelly D., 4,822,322, Cl. 474-135.000.
  Martin, Kelly D., 4,834,694, Cl. 474-135.000.
  White, Craig E.; and Hodge, Bobby L., 4,840,600, Cl. 464-111.000.
Ina, Hideki. Alignment of an object. 4,861,162, 8-29-89, Cl. 356-401.000.
Ina, Hideki; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Alignment method and pattern forming method using the same. 4,883,359, 11-28-89, Cl. 356-401.000.
Ina, Hideki, to Canon Kabushiki Kaisha. Mark detecting device for detecting the center of a mark by detecting its edges. 4,886,974, 12-12-89, Cl. 250-561.000.
Ina, Hideki: *See—*
  Kohno, Michio; Ina, Hideki; and Suzuki, Akiyoshi, 4,830,499, Cl. 356-400.000.
  Kosugi, Masao; Suzuki, Akiyoshi; Ina, Hideki; Outsuka, Kazuhito; Ogawa, Shigeki; Totsuka, Masao; and Sakai, Fumio, 4,814,829, Cl. 355-43.000.
  Suzuki, Akiyoshi; Ina, Hideki; and Kosugi, Masao, 4,888,614, Cl. 355-43.000.
  Totsuka, Masao; Suzuki, Akiyoshi; and Ina, Hideki, 4,834,540, Cl. 356-401.000.
Ina, Hiroji: *See—*
  Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, 4,803,153, Cl. 435-2.000.
  Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, 4,836,987, Cl. 422-101.000.
Ina, Katsuhiro; Akiyama, Susumu; and Hirabayashi, Yuji, to Nippondenso Co., Ltd. Apparatus for processing engine operation detection signals. 4,800,499, 1-24-89, Cl. 364-431.030.
Ina, Katsuhiro; Hirabayashi, Yuji; Minami, Kazuaki; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, to Nippondenso Co., Ltd. Overall diagnosis apparatus for vehicle-mounted control devices. 4,843,557, 6-27-89, Cl. 364-431.770.
Ina, Katsuhiro: *See—*
  Minami, Kazuaki; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,825,362, Cl. 364-200.000.
  Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.
Ina, Kazuo: *See—*
  Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, 4,803,153, Cl. 435-2.000.
  Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, 4,836,987, Cl. 422-101.000.
Ina, Osamu: *See—*
  Kato, Yukihiro; Okada, Hiroshi; Watanabe, Yoshifumi; Ina, Osamu; Ito, Osamu; and Yokomori, Iwao. 4,843,454, Cl. 357-79.000.
  Okada, Hiroshi; Kato, Yukihiro; Ina, Osamu; and Ikeda, Kazuhisa, 4,838,089, Cl. 73-727.000.
Ina, Toshikazu: *See—*
  Kawai, Naoki; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; Ina, Toshikazu; and Kuno, Akira, 4,822,093, Cl. 296-65.100.
  Sakakibara, Kazuo; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; and Ina, Toshikazu, 4,807,934, Cl. 297-403.000.
  Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, 4,809,197, Cl. 364-550.000.
  Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, 4,812,838, Cl. 340-825.060.
  Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, 4,837,727, Cl. 364-551.010.
INA Walzlager Schaeffler KG: *See—*
  Frank, Hubertus, 4,798,481, Cl. 384-477.000.
  Grell, Karl-Ludwig, 4,888,065, Cl. 148-16.500.
  Hartig, Gunter, 4,867,292, Cl. 192-41.00A.
  Hertrich, Steffen; Ness, Friedrich; and Knorr, Charles, 4,800,851, Cl. 123-90.460.
  Hertrich, Steffen; and Goppelt, Dieter, 4,854,922, Cl. 474-110.000.
  Koschmieder, Hartmut; and Petri, Werner, 4,886,482, Cl. 474-133.000.
  Mayer, Ernst; Geheeb, Norbert; and Kohler, Uwe, 4,876,996, Cl. 123-90.510.
  Parzefall, Walter, 4,832,166, Cl. 192-98.000.
  Parzefall, Walter, 4,850,467, Cl. 192-98.000.
  Parzefall, Walter, 4,863,005, Cl. 192-98.000.
  Rabe, Jurgen, 4,800,057, Cl. 264-229.000.
  Schaeffler, Georg, 4,825,823, Cl. 123-90.550.
  Schaeffler, Georg, 4,878,569, Cl. 192-45.000.
  Simon, Michael; and Kreiss, Werner, 4,821,386, Cl. 29-149.50C.
  Speil, Walter; Schmidt, Dieter; and Zipprath, Michael, 4,856,468, Cl. 123-90.470.
  Speil, Walter; Schuseil, Bolko; and Schmidt, Dieter, 4,876,994, Cl. 123-90.500.
  Tisch, Siegfried, 4,856,474, Cl. 123-323.000.
  Zipprath, Michael; and Schmidt, Dieter, 4,840,160, Cl. 123-467.000.
  Zorn, Helmut; and Schaeffler, Georg. 4,876,997, Cl. 123-90.520.
Ina, Yoshifumi: *See—*
  Umemura, Koji; Nakashima, Toru; Ina, Yoshifumi; and Miyamoto, Masashi, 4,844,621, Cl. 415-119.000.
  Yamada, Hirotada; Ina, Yoshifumi; Kondo, Toshio; and Kato, Katsushi, 4,827,897, Cl. 123-497.000.
Inaba, Akira, to Kabushiki Kaisha Toshiba. Apparatus for controlling vacant areas in buffer memory in a pocket transmission system. 4,864,495, 9-5-89, Cl. 364-200.000.
Inaba, Akira: *See—*
  Ichihashi, Kouji; and Inaba, Akira, 4,860,792, Cl. 137-596.170.
  Yamamoto, Yasuo; Inaba, Akira; and Kitagaki, Takashi, 4,859,364, Cl. 252-512.000.
Inaba, Fumio; Ito, Hiromasa; Onodera, Noriaki; and Mizuyoshi, Akira, to Mitsubishi Cable Industries, Ltd.; Ricoh Company, Ltd.; Ricoh Research Institute of General Electronics; Inaba, Fumio; and Ito, Hiromasa. Semiconductor light emitting device with vertical light emission. 4,797,890, 1-10-89, Cl. 372-46.000.
Inaba, Hideo: *See—*
  Hagiwara, Kenji; Ishikawa, Hisao; Hosaka, Hideo; and Inaba, Hideo, 4,812,161, Cl. 71-90.000.
Inaba, Hirobumi; and Nishikawa, Yasunori, to Hosiden Electronics Co., Ltd. CRT socket. 4,822,301, 4-18-89, Cl. 439-436.000.
Inaba, Hiromi; Shima, Seiya; Hokari, Sadao; Tobita, Toshimitsu; Takahashi, Hideaki; and Ueda, Shigeta, to Hitachi, Ltd. Apparatus for controlling power transducers of the pulse width modulation (PWM) control type. 4,829,416, 5-9-89, Cl. 363-41.000.
Inaba, Hiromi; Shima, Seiya; Ando, Takeki; Kurosawa, Toshiaki; and Mitsui, Nobuo, to Hitachi, Ltd. PWM control for power converter system utilizing pulse dropping at minimum pulse widths. 4,833,586, 5-23-89, Cl. 363-41.000.
Inaba, Hiromi; Shima, Seiya; Kurosawa, Toshiaki; Tobita, Toshimitsu; Hombu, Mitsuyuki; and Mitsui, Nobuo, to Hitachi, Ltd. Method and apparatus for controlling power converter. 4,870,556, 9-26-89, Cl. 363-41.000.
Inaba, Hiromi: *See—*
  Ando, Takeki; Nakamura, Kiyoshi; Mine, Toshisuke; Inaba, Hiromi; Kurosawa, Toshiaki; Nakazato, Masao; and Sakai, Yoshio, 4,884,182, Cl. 363-37.000.
  Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suzuki, Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyoshi; and Yoneda, Kenji, 4,872,532, Cl. 187-121.000.
Inaba, Hiroo; Ushimaru, Akira; Yamamoto, Nobuyuki; Hibino, Noburo; and Iwamoto, Kenzo, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,861,674, 8-29-89, Cl. 428-480.000.
Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, to Central Glass Company, Limited. Vehicle window glass antenna. 4,803,492, 2-7-89, Cl. 343-713.000.
Inaba, Hiroshi; Nakase, Kiyoshi; and Yanagida, Yukitoshi, to Central Glass Company, Limited. Electrodeposition of functional film on electrode plate relatively high in surface resistivity. 4,818,352, 4-4-89, Cl. 204-59.00R.
Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, to Central Glass Company, Limited. Vehicle window glass antenna using transparent conductive film. 4,849,766, 7-18-89, Cl. 343-713.000.
Inaba, Hiroshi; Nakase, Kiyoshi; Yanagida, Yukitoshi; and Nishii, Hiroyuki, to Central Glass Company, Limited. Electrochromic display device. 4,850,684, 7-25-89, Cl. 350-357.000.
Inaba, Hiroyoshi: *See—*
  Tsuji, Sadahiko; and Inaba, Hiroyoshi, 4,797,700, Cl. 354-271.100.
Inaba, Katsuharu, to Kabushiki Kaisha Toshiba. Electrothermal printing apparatus with electrodes usable as current supply or return. 4,798,483, 1-17-89, Cl. 400-120.000.
Inaba, Koshiro: *See—*
  Okumura, Shigeo; and Inaba, Koshiro, 4,805,442, Cl. 73-35.000.
Inaba, Masakatsu, to Sharp Kabushiki Kaisha. Variable pressure controls of fixing device in electrophotographic copying machine. 4,873,553, 10-10-89, Cl. 355-295.000.
Inaba, Mayumi: *See—*
  Ohta, Tatsuo; Watanabe, Hideo; and Inaba, Mayumi, 4,835,061, Cl. 428-469.000.
Inaba, Michihiko: *See—*
  Higashinakagawa, Emiko; Inaba, Michihiko; Ohtake, Yasuhisa; and Kanto, Masaharu, 4,827,178, Cl. 313-402.000.
Inaba, Nobuaki: *See—*
  Matsuda, Kazuo; Inaba, Nobuaki; Kaminishi, Masashi; Funabashi, Tetsuji; and Tanaka, Nobukazu, 4,846,651, Cl. 425-145.000.
Inaba, Ritsuo: *See—*
  Kawasaki, Osamu; Inaba, Ritsuo; Tokushima, Akira; and Takeda, Katsu, 4,829,209, Cl. 310-323.000.
  Kawasaki, Osamu; Takeda, Katsu; Inaba, Ritsuo; and Fukada, Tetsuji, 4,853,579, Cl. 310-116.000.
  Takahashi, Kenichiroh; Inaba, Ritsuo; Sugano, Nobukazu; Harao, Horiyuki; Matsuyama, Yukihiro; Tanoue, Hiromi; and Kishi, Toru, 4,888,514, Cl. 310-316.000.
Inaba, Ryohei; Azuma, Yusaku; and Kasai, Shozou, to Canon Kabushiki Kaisha. Compliance apparatus of a robot hand. 4,820,114, 4-11-89, Cl. 414-751.000.
Inaba, Shigemitsu; Ootaka, Kazuto; and Maeda, Akira, to Yazaki Corporation. Connector. 4,884,978, 12-5-89, Cl. 439-352.000.
Inaba, Shigemitsu: *See—*
  Kato, Shinichi; and Inaba, Shigemitsu, 4,804,341, Cl. 439-733.000.
  Maejima, Toshiro; and Inaba, Shigemitsu, 4,871,325, Cl. 439-353.000.
  Yamade, Kenichi; Nakashima, Sukeyoshi; Inaba, Shigemitsu; and Ohtaka, Kazuto, 4,878,853, Cl. 439-144.000.
Inaba, Shouichi: *See—*
  Gryouda, Toshio; Inaba, Shouichi; Watanabe, Michio; and Yamaguchi, Kanemichi, 4,885,897, Cl. 53-407.000.
Inaba, Takao; Sakai, Kenji; Iida, Tadao; and Maki, Masahisa, to Pilot Ink Co., Ltd. Cap for writing equipment. 4,844,642, 7-4-89, Cl. 401-213.000.
Inaba, Takihiro: *See—*
  Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.
Inaba, Takuya: *See—*
  Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibatani, Juichi, 4,805,480, Cl. 74-503.000.
Inaba, Tohru, to Hitachi, Ltd. Electronic device with peripheral protective electrode. 4,841,354, 6-20-89, Cl. 357-71.000.
Inaba, Tomokazu: *See—*
  Kokuryo, Yoshiki; Kataoka, Sachiro; Inaba, Tomokazu; Terunuma, Kazuyoshi; and Asano, Toshiharu, 4,839,532, Cl. 307-10.300.
Inaba, Toyokazu, to Oki Electric Industry Co., Ltd. Key switch structure for a thin-gage electronic device. 4,847,452, 7-11-89, Cl. 200-5.00A.
Inaba, Tsutomu: *See—*
  Kimura, Tadashi; Inaba, Tsutomu; Sugihara, Masahiro; and Kobayashi, Norihide, 4,824,344, Cl. 418-55.000.
  Kobayashi, Norihide; Inaba, Tsutomu; Kimura, Tadashi; and Sugihara, Masahiro, 4,874,302, Cl. 418-55.000.
  Matsugi, Tetsuzo; Inaba, Tsutomu; and Kobayashi, Norihide, 4,795,324, Cl. 418-55.000.
  Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; Inaba, Tsutomu; Nakamura, Toshiyuki; and Kimura, Tadashi, 4,840,549, Cl. 418-55.000.
  Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; and inaba, Tsutomu, 4,846,639, Cl. 418-55.000.
  Nakamura, Toshiyuki; Inaba, Tsutomu; Suzuki, Yasuyuki; and Kobayashi, Norihide, 4,824,343, Cl. 418-55.000.
Inaba, Yoshiharu; Mitoguchi, Fumio; and Tokunaga, Shigeo, to Fanuc Ltd. Direct mold clamping apparatus with ejector. 4,865,536, 9-12-89, Cl. 425-556.000.
Inaba, Yoshiharu; and Tokunaga, Shigeo, to Fanuc Ltd. Mold clamping apparatus in an injection molding machine. 4,877,388, 10-31-89, Cl. 425-150.000.
Inaba, Yoshihiro: *See—*
  Koshizuka, Kunihiro; Inaba, Yoshihiro; Abe, Takao; and Maehashi, Tatsuichi, 4,828,922, Cl. 428-412.000.
Inaba, Yutaka; and Tamura, Yasuyuki, to Canon Kabushiki Kaisha. Image forming apparatus. 4,838,652, 6-13-89, Cl. 350-331.00R.
Inaba, Yutaka; and Taniguchi, Osamu, to Canon Kabushiki Kaisha. Liquid crystal device. 4,878,740, 11-7-89, Cl. 350-337.000.
Inaba, Yutaka: *See—*
  Inoue, Hiroshi; Osada, Yoshiyuki; and Inaba, Yutaka, 4,830,467, Cl. 350-333.000.
  Mouri, Akihiro; Toyono, Tsutomu; Kaneko, Shuzo; Inaba, Yutaka; and Kanbe, Junichiro, 4,836,656, Cl. 350-350.00S.
Inabe, Tamotsu: *See—*
  Wynne, Kenneth J.; Marks, Tobin J.; and Inabe, Tamotsu, 4,839,112, Cl. 264-22.000.
Inada, Akio: *See—*
  Kawasumi, Ken-ichi; and Inada, Akio, 4,842,828, Cl. 422-186.300.

- Inada, Hiromasa: *See—*
  - Sugimori, Teruhiko; Suzuki, Fumio; Habara, Hideaki; and Inada, Hiromasa, 4,874,841, Cl. 528-491.000.
- Inada, Hiroshi: *See—*
  - Hirano, Masanori; and Inada, Hiroshi, 4,820,666, Cl. 501-104.000.
  - Okada, Osamu; Morita, Shigeki; Nakashita, Shigeto; Masai, Tadahisa; Tominaga, Shigeru; and Inada, Hiroshi, 4,881,474, Cl. 110-263.000.
- Inada, Hitoshi; and Kanno, Tetsuo, to Ricoh Company, Limited. Optical disk drive. 4,823,336, 4-18-89, Cl. 369-215.000.
- Inada, Kenichi: *See—*
  - Kawamura, Shuzo; and Inada, Kenichi, 4,866,289, Cl. 250-572.000.
- Inada, Masami; Haramura, Shigenori; Hayakawa, Seiji; and Matsuoka, Sadayuki, to Aisin Seiki Kabushiki Kaisha. Outdoor unit for a heat pump. 4,805,689, 2-21-89, Cl. 165-29.000.
- Inada, Masanori: *See—*
  - Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Inada, Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, 4,864,855, Cl. 73-204.210.
- Inada, Norio: *See—*
  - Imai, Isamu; and Inada, Norio, 4,807,682, Cl. 152-557.000.
  - Imai, Isamu; and Inada, Norio, 4,887,655, Cl. 152-531.000.
- Inada, Souichi: *See—*
  - Mirura, Ryozo; Okamoto, Yoshio; Takahashi, Hiroki; and Inada, Souichi, 4,856,313, Cl. 72-234.000.
- Inada, Tooru: *See—*
  - Sohma, Kenichi; Azuhata, Shigeru; Narato, Kiyoshi; Inada, Tooru; Kobayashi, Hironobu; Arashi, Norio; and Miyadera, Hiroshi, 4,820,046, Cl. 356-328.000.
- Inada, Yasuo: *See—*
  - Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noboru; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.
- Inada, Yuji; Tamaura, Yutaka; and Takahashi, Katsunobu, to Bellex Corporation. Magnetic material-physiologically active substance conjugate. 4,814,098, 3-21-89, Cl. 252-62.510.
- Inada, Yuji; and Takahashi, Katsunobu, to Suntory Limited; and Bellex Corporation. Modified haem. 4,822,877, 4-18-89, Cl. 540-145.000.
- Inada, Yutaka; and Sugimoto, Koyata, to Tokico Ltd. Cross correlation flowmeter. 4,841,780, 6-27-89, Cl. 73-861.060.
- Inadome, Kiyotaka: *See—*
  - Shiokama, Yoshiharu; Ohta, Naoto; Okano, Hiroshi; and Inadome, Kiyotaka, 4,806,000, Cl. 350-430.000.
- Inagaki, Akio; and Shimomura, Masuo, to Aisin Seiki Kabushiki Kaisha. Outer door handle. 4,823,434, 4-25-89, Cl. 16-115.000.
- Inagaki, Akio; Nakai, Kiyotaka; and Tauchi, Hitoshi, to Aisin Seiki Kabushiki Kaisha. Method of sealing electric and electronic parts. 4,849,048, 7-18-89, Cl. 156-275.500.
- Inagaki, Akio: *See—*
  - Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,861,323, Cl. 474-260.000.
  - Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,883,448, Cl. 474-260.000.
- Inagaki, Akira: *See—*
  - Kembo, Yukio; Komeyama, Yoshihiro; Ikeda, Minoru; and Inagaki, Akira, 4,825,453, Cl. 378-34.000.
- Inagaki, Hajime; and Saitoh, Tadao, to Mitsui Petrochemical Industries, Ltd. Composition for curable paints. 4,863,988, 9-5-89, Cl. 524-315.000.
- Inagaki, Hiromi; Matsuura, Kazuo; Koike, Tetsuya; Suenaga, Toshihiko; Yorita, Masaru; and Izawa, Masaki, to Honda Giken Kogyo Kabushiki Kaisha. Fluid-filled bushing. 4,811,933, 3-14-89, Cl. 267-140.100.
- Inagaki, Hiromichi. Method of selectively forming an aluminum evaporation face. 4,810,320, 3-7-89, Cl. 156-233.000.
- Inagaki, Hiromichi, to Nihon Tokkyo Kanri Company Limited. Method of forming a closed filled bag, a bag construction and an apparatus for forming the bag. 4,874,257, 10-17-89, Cl. 383-63.000.
- Inagaki, Hiroshi: *See—*
  - Kito, Tsutomu; Nakasuji, Norikazu; Kataoka, Takashi; Inagaki, Hiroshi; and Shibahashi, Yutaka, 4,865,648, Cl. 106-21.000.
- Inagaki, Ikuo, to Kayaba Industry Co., Ltd. Detent mechanism for pressure control valve. 4,827,982, 5-9-89, Cl. 137-636.100.
- Inagaki, Jitsuo. Heating and cooling lunch box with intake air opening. 4,830,190, 5-16-89, Cl. 206-550.000.
- Inagaki, Jitsuo. Bath water heater and circulator-purifier apparatus. 4,859,345, 8-22-89, Cl. 210-764.000.
- Inagaki, Jitsuo. Sterlizing method for treatment of fresh fruits. 4,865,857, 9-12-89, Cl. 426-241.000.
- Inagaki, Jitsuo. Sterilizing method for treatment of fresh fruits and apparatus used for the method. 4,875,407, 10-24-89, Cl. 99-451.000.
- Inagaki, Katsumi: *See—*
  - Hanazawa, Hideaki; Mori, Makoto; Sasaki, Katsumi; and Inagaki, Katsumi, 4,812,327, Cl. 427-388.400.
- Inagaki, Masahiro: *See—*
  - Suzuki, Yoshimitu; and Inagaki, Masahiro, 4,848,205, Cl. 83-853.000.
- Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Junjiro, to Hitachi, Ltd. Zirconium-based alloy with high corrosion resistance. 4,810,461, 3-7-89, Cl. 376-457.000.
- Inagaki, Masahisa: *See—*
  - Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.
  - Takekoshi, Makoto; Inagaki, Masahisa; and Tokunaga, Haruhiko, 4,834,565, Cl. 400-320.000.
- Inagaki, Masaji: *See—*
  - Araki, Shingo; Tsuchiya, Kikuo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,843,058, Cl. 503-209.000.
  - Tsuchiya, Kikuo; Araki, Shingo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,885,270, Cl. 503-209.000.
- Inagaki, Masao: *See—*
  - Fukami, Kashirou; Inagaki, Masao; Oomura, Seiji; and Hamamoto, Tooru, 4,794,883, Cl. 123-41.120.
  - Oomura, Seiji; Fukami, Kashirou; Inagaki, Masao; and Hamamoto, Tooru, 4,798,177, Cl. 12.3-41.120.
- Inagaki, Mitsuo: *See—*
  - Iwanami, Shigeki; Inagaki, Mitsuo; Sasaya, Hideaki; Tanaka, Taro; and Kojima, Akikazu, 4,886,423, Cl. 417-222.000.
- Inagaki, Moriaki. Ventilating plate units to be attached to vehicle window glasses. 4,864,920, 9-12-89, Cl. 98-2.130.
- Inagaki, Sanji; Fukao, Hiroshi; Yamada, Tetsuya; Urano, Etsuaki; and Hattori, Yoshihiro, to Minolta Camera Kabushiki Kaisha. Heat fixing unit in an electrophotographic copying apparatus. 4,812,873, 3-14-89, Cl. 355-3.0FU.
- Inagaki, Sanji: *See—*
  - Honma, Shigeo; Inagaki, Sanji; and Hara, Kazuyoshi, 4,871,408, Cl. 156-83.000.
- Inagaki, Shigeru: *See—*
  - Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, 4,863,240, Cl. 350-247.000.
- Inagaki, Shintaro; and Kobayashi, Akira, to Anritsu Corporation. Optical image transformation apparatus. 4,800,288, 1-24-89, Cl. 250-578.000.
- Inagaki, Takafumi; and Nakamura, Kazumasa, to Toyota Jidosha Kabushiki Kaisha. Four wheel drive power transmission system skidding control device and method. 4,830,132, 5-16-89, Cl. 180-197.000.
- Inagaki, Takafumi, to Toyota Jidosha Kabushiki Kaisha. Wheel slip control system. 4,843,552, 6-27-89, Cl. 364-426.030.
- Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, to Honda Giken Kogyo Kabushiki Kaisha. Oil pump for internal combustion engine disposed concentrically about the transmission mainshaft. 4,834,219, 5-30-89, Cl. 184-6.500.
- Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, to Honda Giken Kogyo Kabushiki Kaisha. Timing transmission device for an internal combustion engine. 4,836,156, 6-6-89, Cl. 123-90.310.
- Inagaki, Takashi; Okazaki, Kouji; and Ikeda, Tsugio, to Honda Giken Kogyo Kabushiki Kaisha. Starting apparatus for an internal combustion engine. 4,848,170, 7-18-89, Cl. 74-6.000.
- Inagaki, Takashi: *See—*
  - Yoshimoto, Tokuji; Inagaki, Takashi; and Ookubo, Michio, 4,831,975, Cl. 123-90.310.
- Inagaki, Takefumi: *See—*
  - Kato, Masayuki; Yamagishi, Fumio; Hasegawa, Shin-ya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,824,191, Cl. 350-3.720.
  - Kato, Masayuki; Maeda, Satoshi; Yamagishi, Fumio; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,832,464, Cl. 350-3.720.
  - Yamagishi, Fumio; Hasegawa, Shinya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,810,046, Cl. 350-371.000.
  - Yamazaki, Kozo; Ichikawa, Toshiyuki; Ikeda, Hiroyuki; Inagaki, Takefumi; Aritake, Hirokazu; and Yamagishi, Fumio, 4,848,862, Cl. 350-3.710.
- Inagaki, Takeo; Fukasawa, Akira; and Yamagishi, Hiroshi, to Lion Akzo Company Limited. Process for preparation of unsaturated long-chain aliphatic secondary amine. 4,845,298, 7-4-89, Cl. 564-490.000.
- Inagaki, Takeshi: *See—*
  - Nakamura, Tomio; Kikuchi, Katsuaki; and Inagaki, Takeshi, 4,797,184, Cl. 204-59.00R.
  - Nishikawa, Meisei; Inagawa, Jun; Inagaki, Takeshi; Kaneshige, Toshihiko; Hayashi, Yasuhiro; and Kojima, Tadashi, 4,860,272, Cl. 369-48.000.
- Inagaki, Teruo: *See—*
  - Atomori, Seiichi; Inagaki, Teruo; Furuyama, Tateki; and Kamiya, Akira, 4,839,410, Cl. 524-281.000.
- Inagaki, Tom, to Hudson International Conductors. Method for manufacturing high strength copper alloy wire. 4,838,959, 6-13-89, Cl. 148-11.50C.
- Inagaki, Toshihiko: *See—*
  - Nakamura, Tamiya; Bamba, Hiroshi; Furuhashi, Toru; Ozeki, Takaaki; Kishino, Kuniaki; and Inagaki, Toshihiko, 4,845,710, Cl. 370-110.100.
- Inagaki, Toshiyuki; and Maeda, Hiroaki, to Aisin Seiki Kabushiki Kaisha. Lubricating system for friction engaging means in transmission. 4,860,873, 8-29-89, Cl. 192-113.00B.
- Inagaki, Yoji: *See—*
  - Fujimori, Toshio; Honda, Takeyuki; Inagaki, Yoji; Yoshida, Fumio; and Akizuki, Seiichi, 4,848,142, Cl. 73-117.000.
- Inagaki, Yoshinari: *See—*
  - Muroi, Kunimasa; Inagaki, Yoshinari; and Awano, Tetsuyuki, 4,858,928, Cl. 273-73.00D.
- Inagaki, Yoshio; and Okazaki, Masaki, to Fuji Shashin Film Kabushiki Kaisha. Mono-4-arylazoaryl phosphoric esters. 4,797,476, 1-10-89, Cl. 534-727.000.
- Inagaki, Yoshio; and Shishido, Tadao, to Fuji Photo Film Co., Ltd. 4-amino-2,3-di-substituted-1-(mono- or trichlorophenyl)-3-pyrazolin-5-ones. 4,822,891, 4-18-89, Cl. 548-365.000.

- Inagaki, Yoshio; and Inoue, Nobuaki, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,824,764, 4-25-89, Cl. 430-264.000.
- Inagaki, Yoshio; Hioki, Takanori; Makino, Naonori; Adachi, Keiichi; and Suzuki, Yoshiaki, to Fuji Photo Film Co., Ltd. Optical recording medium. 4,851,322, 7-25-89, Cl. 430-270.000.
- Inagaki, Yoshio; Adachi, Keiichi; and Suzuki, Yoshiaki, to Fuji Photo Film Co., Ltd. Optical information recording medium. 4,885,228, 12-5-89, Cl. 430-270.000.
- Inagaki, Yoshio: *See—*
  - Adachi, Keiichi; Ohno, Shigeru; Inagaki, Yoshio; Seto, Nobuo; and Jinbo, Yoshihiro, 4,833,246, Cl. 544-82.000.
  - Itoh, Isamu; Ono, Mitsunori; and Inagaki, Yoshio, 4,888,268, Cl. 430-218.000.
  - Kuwabara, Kenichi; and Inagaki, Yoshio, 4,865,947, Cl. 430-264.000.
  - Makino, Naonori; Hioki, Takanori; Inagaki, Yoshio; and Horie, Seiji, 4,840,862, Cl. 430-75.000.
  - Miyata, Junji; Kuwabara, Kenichi; Takahashi, Toshiro; Inagaki, Yoshio; and Hirano, Shigeo, 4,847,180, Cl. 430-264.000.
  - Okazaki, Masaki; and Inagaki, Yoshio, 4,853,328, Cl. 435-28.000.
  - Yabe, Masao; and Inagaki, Yoshio, 4,832,992, Cl. 427-384.000.
- Inagaki, Yukio: *See—*
  - Yanai, Tsuguo; Inagaki, Yukio; Matsuo, Shoji; and Fujisawa, Hidetaka, 4,806,923, Cl. 340-784.000.
- Inagami, Fujio, to Fujitsu Limited. Portable cordless telephone set for outputting various discriminiation sounds with simple circuit construction. 4,884,294, 11-28-89, Cl. 379-61.000.
- Inagami, Yasuhiro; Nakagawa, Takayuki; and Nagashima, Shigeo, to Hitachi, Ltd. Multi-processor system responsive to pause and pause clearing instructions for instruction execution control. 4,803,620, 2-7-89, Cl. 364-200.000.
- Inagami, Yasuhiro; Nakagawa, Takayuki; Tamaki, Yoshiko; and Nagashima, Shigeo, to Hitachi, Ltd. Vector processor with vector data compression/expansion capability. 4,881,168, 11-14-89, Cl. 364-200.000.
- Inagami, Yasuhiro: *See—*
  - Omoda, Koichiro; Torii, Shunichi; Nagashima, Shigeo; Inagami, Yasuhiro; and Nakagawa, Takayuki, 4,825,361, Cl. 364-200.000.
- Inagawa, Jun: *See—*
  - Nishikawa, Meisei; Inagawa, Jun; Inagaki, Takeshi; Kaneshige, Toshihiko; Hayashi, Yasuhiro; and Kojima, Tadashi, 4,860,272, Cl. 369-48.000.
- Inagawa, Konosuke: *See—*
  - Kondo, Hitoshi; Kawamura, Hiroaki; Inagawa, Konosuke; Abe, Tetsuya; and Murakami, Yoshio, 4,844,323, Cl. 228-121.000.
- Inage, Masaru: *See—*
  - Takeda, Mikio; Inage, Masaru; Wada, Hiroshi; Tamaki, Hajime; and Ochiai, Takashi, 4,886,817, Cl. 514-341.000.
- Inage, Nobuo: *See—*
  - Odawara, Kazuharu; Yamaguchi, Ryoji; and Inage, Nobuo, 4,827,468, Cl. 369-271.000.
  - Odawara, Kazuharu; and Inage, Nobuo, 4,827,470, Cl. 369-282.000.
  - Yamaguchi, Ryoji; Odawara, Kazuharu; and Inage, Nobuo, 4,866,697, Cl. 369-290.000.
- Inagi, Tsutomu: *See—*
  - Kurokawa, Yuji; Kikukawa, Hiroyuki; Shimizu, Hiroshi; and Inagi. Tsutomu, 4,849,908, Cl. 364-518.000.
- Inagoya, Osamu; and Fujiwara, Hideo, to Hitachi Maxell, Ltd. Magnetic head. 4,866,555, 9-12-89, Cl. 360-126.000.
- Inagoya, Osamu; Fujiwara, Hideo; Tanaka, Yoshito; and Ohnuki, Takeshi, to Hitachi Maxell, Ltd. Magnetic head apparatus used for movable magnetic medium with head gap positioning. 4,870,523, 9-26-89, Cl. 360-122.000.
- Inagoya, Osamu: *See—*
  - Fujiwara, Hideo; Sakemoto, Akito; and Inagoya, Osamu, 4,803,578, Cl. 360-105.000.
- Inaguma, Yoshiharu: *See—*
  - Nakamura, Keiichi; Tanaka, Tsuneo; Inaguma, Yoshiharu; and Shiratori, Harunori, 4,798,050, Cl. 60-329.000.
- Inaho, Shuji: *See—*
  - Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.
- Inai, Masatoshi: *See—*
  - Nakamura, Shizuo; Inoue, Makoto; Inai, Masatoshi; and Tsuda, Yoshiaki, 4,886,813, Cl. 514-326.000.
- Inai, Yuichi: *See—*
  - Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.
- Inaki, Shunichi: *See—*
  - Ishida, Mamoru; Inaki, Shunichi; Akiyama, Yoshikazu; and Kohata, Mitsuhiro, 4,883,766, Cl. 437-40.000.
- Inamasu, Masanori: *See—*
  - Iijima, Ikuo; Ozeki, Masakatsu; Okumura, Kunihito; and Inamasu, Masanori, 4,824,833, Cl. 514-230.500.
- Inamasu, Nami, to NEC Corporation. Digital to analog converter. 4,868,571, 9-19-89, Cl. 341-118.000.
- Inamasu, Nami: *See—*
  - Sugawara, Mitsutoshi; and Inamasu, Nami, 4,885,581, Cl. 341-145.000.
- Inamasu, Seiichi: *See—*
  - Shioya, Katsuhiko; Ifuku, Tetsuhiko; and Inamasu, Seiichi, 4,876,645, Cl. 364-200.000.
- Inami, Kazumasa, to Hitachi, Ltd. Cassette loading device. 4,851,938, 7-25-89, Cl. 360-69.000.
- Inami, Yasuhiko: *See—*
  - Katagiri, Masayuki; Watanabe, Masanori; Uda, Kazutaka; Hijikigawa, Masaya; Tsuchimoto, Shuhei; and Inami, Yasuhiko, 4,859,060, Cl. 356-352.000.
  - Tanaka, Nobuyuki; Inami, Yasuhiko; Hijikigawa, Masaya; and Kataoka, Shoei, 4,885,937, Cl. 73-189.000.
- Inamori, Yoshimitsu: *See—*
  - Oba, Toshiro; Kuno, Michiaki; Akizuki, Noboru; and Inamori, Yoshimitsu, 4,866,650, Cl. 364-736.000.
- Inamoto, Norio; and Minowa, Takahiro, to Honda Giken Kogyo Kabushiki Kaisha. Method of determining acceptability of an exhaust concentration sensor. 4,887,576, 12-19-89, Cl. 123-479.000.
- Inamoto, Yoshiko: *See—*
  - Takaya, Takao; and Inamoto, Yoshiko, 4,868,174, Cl. 514-202.000.
- Inamura, Katsumasa. Heat-resistant case for an ionization-type smoke detector and method of making the same. 4,853,544, 8-1-89, Cl. 250-385.100.
- Inamura, Kazuhiko; and Tashita, Yoji, to Oki Electric Industry Co., Ltd. Apparatus for testing semiconductor devices. 4,806,857, 2-21-89, Cl. 324-158.00R.
- Inamura, Motonori: *See—*
  - Hirose, Ichiro; Tani, Shichisei; Inamura, Motonori; and Koyama, Takashi, 4,861,324, Cl. 493-48.000.
- Inamura, Susumu: *See—*
  - Udagawa, Tsunekazu; and Inamura, Susumu, 4,834,399, Cl. 277-234.000.
- Inao, Katsuzou: *See—*
  - Katsumata, Minoru; Yanagawa, Hisaharu; Ohta, Kousaku; Inao, Katsuzou; and Ichinowatari, Koh, 4,868,816, Cl. 370-95.200.
- Inaoka, Yoshinori; Takahashi, Shuji; Tamaoki, Hidetsune; and Enokita, Ryuzo, to Sankyo Company Limited. Enkephalinase B inhibitors, their preparation, and pharmaceutical compositions containing the same. 4,804,676, 2-14-89, Cl. 514-423.000.
- Inari, Masato: *See—*
  - Tanaka, Toru; and Inari, Masato, 4,886,906, Cl. 562-416.000.
- Inasaka, Jun; and Hasegawa, Shin-Ichi, to NEC Corporation. Wiring substrate. 4,827,083, 5-2-89, Cl. 174-68.500.
- Inata, Hiroo: *See—*
  - Matsumura, Shunichi; and Inata, Hiroo, 4,842,797, Cl. 264-203.000.
- Inata, Tsuguo; Muto, Shunichi; and Fujii, Toshio, to Fujitsu Limited. Resonant tunneling semiconductor device. 4,825,264, 4-25-89, Cl. 357-4.000.
- Inatani, Toshihiro: *See—*
  - Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo, and Takada, Yoshiyasu, 4,874,427, Cl. 75-26.000.
- Inatomi, Shoichi: *See—*
  - Sakakibara, Yoshio; Akiyama, Ryo; Inatomi, Shoichi; and Ema, Noriyuki, 4,864,553, Cl. 369-50.000.
- Inauen, Walter: *See—*
  - Hauser, Karl-Heinz; Heissel, Uwe; Inauen, Walter; Neff, Karl; and Ringger, Manfred, 4,887,477, Cl. 74-89.170.
- Inax Corporation: *See—*
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  - Kawamoto, Ryuichi; Sakakibara, Shigeru; Wakahara, Kazuyuki; and Nebashi, Ikutoshi, 4,869,427, Cl. 236-12.120.
  - Kurushima, Toyokazu, 4,853,276, Cl. 428-187.000.
  - Matsushita, Isao; and Iijima, Hideo, 4,888,144, Cl. 264-120.000.
  - Murata, Kazushige, 4,882,111, Cl. 264-87.000.
  - Sakakibara, Shigeru; and Kawamoto, Ryuici, 4,833,739, Cl. 4-524.000.
  - Shimahara, Hironobu; Murata, Kazushige; and Takahashi, Hiroaki, 4,867,662, Cl. 425-85.000.
  - Yachi, Yoshinori; Kubo, Masachika; Miwa, Masaki; and Ojika, Yoshihiko, 4,832,746, Cl. 106-99.000.
  - Yoshida, Shigeo; Kitagawa, Satoshi; Harada, Shozo; Koide, Tetsuya; and Hasegawa, Manabu, 4,797,319, Cl. 428-312.400.
- Inayama, Yukiyoshi; Sorimachi, Akio; Sugizaki, Tomohiro; Goto, Shinichi; Satou, Kouichi; Nagata, Masatoshi; and Nagata, Takuji, to Toyoda Gosei Co., Ltd. Flush mounting molding. 4,833,847, 5-30-89, Cl. 52-208.000.
- Inayama, Yusaku, to Kunimori Kagaku Co., Ltd. Folding container. 4,863,056, 9-5-89, Cl. 220-6.000.
- Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, to Hitachi, Ltd.; Hitachi Chemical Company, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Semiconductor device and process for producing the same. 4,803,543, 2-7-89, Cl. 357-72.000.
- Inayoshi, Kuniaki; Egawa, Yoshitsugu; Hirukawa, Yoshinori; and Yamaguchi, Masayuki, to Fuji Oil Company, Limited. Whipped oily flavor. 4,869,915, 9-26-89, Cl. 426-565.000.
- Inazawa, Yoshizumi, to Sony Corporation. Disc player with program selection control. 4,811,315, 3-7-89, Cl. 369-[illegible]2.000.
- Inazawa, Yoshizumi; and Asano, Hisashi, to Sony Corporation. Apparatus for recording and/or reproducing a control signal. 4,821,128, 4-11-89, Cl. 360-72.200.
- Inazawa, Yoshizumi; Yamada, Masaki; Ishibashi, Hiroshi; and Ozaki, Shinya, to Sony Corporation. Data recorder and method. 4,873,589, 10-10-89, Cl. 360-53.000.
- Inazumi, Hirokuni: *See—*
  - Maeda, Tetsuo; Ohta, Hirofumi; and Inazumi, Hirokuni, 4,860,183, Cl. 363-12.000.

- Inazumi, Tadahiro: *See—*
  - Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
- Inbar, Dan; and Delevy, Moshe, to Elscint Ltd. Time gain compensation for ultrasonic medical imaging systems. 4,852,576, 8-1-89, Cl. 128-660.600.
- Inbar, Dan; Dilmanian, F. Avraham; and Berlad, Gideon, to Elscint Ltd. Bone mineral density measurement. 4,864,594, 9-5-89, Cl. 378-5.000.
- Inbar, Dan: *See—*
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- Inbar, Michael: *See—*
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- Inbar, Shai: *See—*
  - Arnost, Michael J.; Inbar, Shai; Meneghini, Frank A.; Palumbo, Paul S.; Stroud, Stephen G.; and Zepp, Charles M., 4,886,744, Cl. 435-6.000.
- Inbasekaran, Muthiah N.; and Strom, Robert M., to Dow Chemical Company, The. Preparation of diamino- and dialkylaminobenzenediols. 4,806,688, 2-21-89, Cl. 564-443.000.
- Inbasekaran, Muthiah N.; and Morgan, Ted A., to Dow Chemical Company, The. Aryloxyperfluoroalkyl arenes. 4,870,213, 9-26-89, Cl. 568-645.000.
- Inbasekaran, Muthiah N.; and Dirlikov, Stoil K., to Dow Chemical Company, The. Process for making propargyl ethers of bisphenols. 4,885,403, 12-5-89, Cl. 568-631.000.
- Ince, Dursun: *See—*
  - Moudgil, Brij M.; and Ince, Dursun, 4,814,069, Cl. 209-17.000.
  - Moudgil, Brij M.; and Ince, Dursun, 4,857,174, Cl. 209-3.000.
- Ince, Francis; and Tinker, Alan C., to Fisons plc. Compounds. 4,868,306, 9-19-89. Cl. 546-165.000.
- Ince, Francis; Springthorpe, Brian; and Dixon, John, to Fisons plc. Aromatic compounds. 4,883,804, 11-28-89, Cl. 514-357.000.
- Ince, Francis: *See—*
  - Dixon, John; and Ince, Francis, 4,803,225, Cl. 514-654.000.
  - Dixon, John; and Ince, Francis, 4,885,313, Cl. 514-620.000.
- Ince, Gordon R., to James Howden & Company Ltd. Tunnel boring machine. 4,874,267, 10-17-89, Cl. 405-142.000.
- Inciong, Josefino T., to Fel-Pro Incorporated. Head gasket with beam-functioning fire ring. 4,796,897, 1-10-89, Cl. 277-211.000.
- Inco Alloys International, Inc.: *See—*
  - Bassford, Thomas H.; and Crum, James R., 4,816,217, Cl. 420-582.000.
  - Benn, Raymond C.; Mirchandani, Prakash K.; and Mattson, Walter E., 4,832,734, Cl. 75-249.000.
  - Benn, Raymond C.; Mirchandani, Prakash K.; and Mattson, Walter E., 4,834,810, Cl. 148-437.000.
  - de Freitas Couto Rosa, Eduardo; and Smith, Gaylord D., 4,867,116, Cl. 123-188.0AA.
  - Haeberle, Ronald M., Jr.; Smith, Gaylord D.; Weber, John H.; Fisher, Roneldo L.; Gaul, David J.; and Hinze, Jay W., 4,877,435, Cl. 65-1.000.
  - Mankins, William L.; Harris, Jerry A.; Hosier, James C.; and Kenny, Raymond J., 4,816,218, Cl. 420-584.000.
  - Martin, James M.; Crum, James R.; Mankins, William L.; and Sarver, Jeffrey M., 4,798,633, Cl. 148-162.000.
  - Mehltretter, James C., 4,887,773, Cl. 241-171.000.
  - Orlando, John J., 4,801,100, Cl. 241-171.000.
  - Osborn, Donald H.; Gilman, Paul S.; and Donachie, Stephen J., 4,801,339, Cl. 148-11.50A.
  - Poole, Jon M.; and Curtis, Lindy J., 4,818,482, Cl. 419-33.000.
  - Smith, Darrell F., Jr.; and Coffee, Louis G., 4,871,511, Cl. 420-96.000.
  - Smith, Gaylord D.; Tassen, Curtis S.; Ganesan, Pasupathy; and Wheeler, Jack M., 4,877,461, Cl. 148-11.50N.
  - Smith, Gaylord D.; and Tassen, Curtis S., 4,882,125, Cl. 420-443.000.
- Inco Limited: *See—*
  - Bell, James A. E.; Eerkes, Thijs; Diaz, Carlos M.; and Mankins, William L., 4,836,979, Cl. 419-23.000.
  - Clarke, Dale M., 4,846,320, Cl. 191-12.00R.
  - Fortin, Roland, 4,809,775, Cl. 166-55.700.
  - Kaven, Allen H., 4,862,959, Cl. 166-77.500.
  - Marcuson, Samuel W.; Diaz, Carlos M.; Bell, James A. E.; Davies, Haydn; and Stratton-Crawley, Richard, 4,830,667, Cl. 75-76.000.
  - Victorovich, Grigori S.; Diaz, Carlos M.; O'Neill, Charles E.; Bell, James A. E.; and Timberg, Lloyd M., 4,802,916, Cl. 75-24.000.
  - Victorovich, Grigori S.; Diaz, Carlos M.; and O'Neill, Charles E., 4,802,917, Cl. 75-26.000.
  - Victorovich, Grigori S.; and O'Neill, Charles E., 4,857,104, Cl. 75-21.000.
- Incorporated Tank Systems, Inc.: *See—*
  - Cobb, James R., 4,819,955, Cl. 280-837.000.
  - Cobb, James R., 4,824,316, Cl. 414-458.000.
- Incorvia, Samuel A.: *See—*
  - Cullen, John S.; Incorvia, Samuel A.; and Vogt, James A., 4,813,212, Cl. 53-450.000.
  - Cullen, John S.; and Incorvia, Samuel A., 4,813,791, Cl. 383-40.000.
- Inculet, Ion I.; and Quigley, Robert M., to Canadian Patents and Development Limited/Societe Canadienne des Brevets et D'Exploitation Limitee. Phyllosilicate electrets and a method for their manufacture. 4,808,849, 2-28-89, Cl. 307-400.000.
- Incze, Maria: *See—*
  - Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
- Indag Gesellschaft fur Industriebedarf m.b.H.: *See—*
  - Stumpf, Friedrich, 4,887,912, Cl. 383-66.000.
- Indak Manufacturing Corp.: *See—*
  - Cummings, John G., 4,801,769, Cl. 200-16.00C.
  - Cummings, John G., 4,816,629, Cl. 200-438.000.
- Indal Limited: *See—*
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  - Berdan, Gunter, 4,850,175, Cl. 52-790.000.
- Indala Corporation: *See—*
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- Indelicato, Jasper A.: *See—*
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- Indentor AG: *See—*
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- Independent Broadcasting Authority: *See—*
  - Baldwin, John L. E., 4,851,837, Cl. 341-55.000.
  - Lodge, Nicolas K., 4,858,005, Cl. 358-135.000.
  - Mason, Arthur G., 4,802,215, Cl. 380-21.000.
- Independent Technologies, Inc.: *See—*
  - Ingalsbe, David L., 4,878,848, Cl. 439-76.000.
- Independent Trailer & Repair, Inc.: *See—*
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- Indescor Hydrodynamics Inc.: *See—*
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- Index-Werke Komm.-Ges. Hahn & Tessky: *See—*
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  - Hafla, Dietmar F.; and Gatzki, Helmut, 4,843,691, Cl. 29-36.000.
  - Hafla, Dietmar F.; and Sommer, Gunther, 4,847,960, Cl. 29-40.000.
  - Lahm, Heinrich; Grossmann, Walter; and Schleich, Gunther, 4,818,925, Cl. 318-567.000.
  - Link, Helmut F.; and Waiblinger, Paul, 4,828,276, Cl. 279-1.00L.
  - Schleich, Gunther, 4,872,244, Cl. 29-40.000.
- Indexible Soft Jaws Limited: *See—*
  - Slater, Paul S., 4,861,048, Cl. 279-123.000.
- Indexstudio S.a.s. di Molinazzi Roberto & C.: *See—*
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- Indiana Mills & Manufacturing, Inc.: *See—*
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  - Bougher, Jerry D., 4,876,770, Cl. 24-170.000.
- Indiana University Foundation: *See—*
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  - Hieftje, Gary M.; Honigs, David E.; and Hirschfeld, Thomas B., 4,800,279, Cl. 250-339.000.
  - Lodder, Robert A., 4,882,493, Cl. 250-353.000.
  - Roeske, Roger W., 4,851,385, Cl. 514-15.000.
  - Smith, James W.; Bartlett, Marilyn S.; and Queener, Sherry F., 4,835,140, Cl. 514-24.000.
  - Zeldin, Martel, 4,855,433, Cl. 546-14.000.
- Indianapolis Center for Advanced Research: *See—*
  - Fry, Francis J., 4,807,633, Cl. 128-660.020.
  - Kelly-Fry, Elizabeth; and Morris, Steven T., 4,872,346, Cl. 73-627.000.
- Indianapolis Center For Advanced Research, Inc.: *See—*
  - Fry, Francis J.; and Burney, Bryan T., 4,805,628, Cl. 128-662.020.
  - Geier, George E., 4,845,125, Cl. 514-561.000.
- Indig, Baruch. Furnace for dental workpieces. 4,828,490, 5-9-89, Cl. 432-124.000.
- Indikon Company, Inc., The: *See—*
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- Indium Corporation of America: *See—*
  - McNamara, Michael F.; Slattery, James A.; and Witt, August F., 4,828,608, Cl. 75-62.000.
- Indrebo, Leidulf. Device for the transfer of articles from a first to a second conveyor. 4,880,102, 11-14-89, Cl. 198-418.300.
- Indspec Chemical Corporation: *See—*
  - Durairaj, Bojayan; Peterson, Alex, Jr.; and Salee, Gideon, 4,889,891, Cl. 525-139.000.
  - Wu, Ching-Yong, 4,847,436, Cl. 568-768.000.
  - Wu, Ching-Yong, 4,847,437, Cl. 568-768.000.
  - Wu, Ching-Yong, 4,849,549, Cl. 568-768.000.
- Induchem AG: *See—*
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  - Bolger, John G.; and Ng, Lung S. B., 4,800,328, Cl. 320-2.000.
  - Bolger, John G., 4,836,344, Cl. 191-10.000.
- Induspol, S.A.: *See—*
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- Industire Magneti Marelli S.r.l.: *See—*
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- Industra Products, Inc.: *See—*
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- Industrial Automation Services Pty Ltd.: *See—*
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- Industrial Contractors Holland B.V.: *See—*
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- Industrial Design Electronic Assoc., Inc.: *See—*
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- Industrial Electric Heating, Inc.: *See—*
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- Industrial Filter & Pump Mfg. Co.: *See—*
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- Industrial Management Co.: *See—*
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- Industrial Microsystems, Inc.: *See—*
  - Nirumandrad, Mohammadreza, 4,862,396, Cl. 364-571.020.
- Industrial Project Ltd.: *See—*
  - Collier, Richard J., 4,799,498, Cl. 128-774.000.
- Industrial Research Products, Inc.: *See—*
  - Carlson, Elmer V., 4,800,982, Cl. 181-130.000.
  - Carlson, Elmer V., 4,807,612, Cl. 128-868.000.
  - Carlson, Elmer V., 4,867,267, Cl. 181-130.000.
  - Madaffari, Peter L., 4,815,560, Cl. 181-158.000.
  - Madaffari, Peter L., 4,837,835, Cl. 381-69.000.
- Industrial Scientific Devices, Inc.: *See—*
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- Industrial Technology Institute: *See—*
  - Boehnlein, Albert J.; and Harding, Kevin G., 4,880,991, Cl. 250-560.000.
  - Harding, Kevin G., 4,875,777, Cl. 356-376.000.
- Industrial Technology Research Institute: *See—*
  - Chao, Fung-Ching, 4,818,715, Cl. 437-44.000.
  - Chao, Fung-Ching, 4,837,180, Cl. 437-44.000.
  - Chen, Horng-Hwei, 4,860,438, Cl. 29-740.000.
  - Chen, Hsing; and Juang, Dar-Chang, 4,833,279, Cl. 178-18.000.
  - Chen, Inn-Ming; Shyy, Yeu-Hwa; Chung, Ching-Fu; Hwang, Dar-Jong; Yeh, Jenq-Chang; and Wu, Hsu-Lung, 4,866,629, Cl. 364-468.000.
  - Chen, Po Y.; Chu, Shiao J.; Chen, Mei C.; Chang, Nan S.; and Lin, Wen C., 4,801,752, Cl. 564-401.000.
  - Dong, Yueh-Joy; and Fang, Chin-Hen, 4,828,375, Cl. 350-475.000.
  - Heh, Shiang-Jiun; Chen, Swe-Kai; Jin, Fu-Teh; and Chen, Li-Kou, 4,875,946, Cl. 148-103.000.
  - Hong, Rong-Fang; and Huang, Huei-Huay, 4,794,901, Cl. 123-533.000.
  - Hsieh, Min-Lang; Huang, Jan-Hong; Jan, Lian; and Guan, Gang-Shyr, 4,882,895, Cl. 53-531.000.
  - Hsu, Je-Jung; and Chen, Hsing-Hai, 4,849,366, Cl. 437-42.000.
  - Ikehira, Kimimasa; Wu, Ming-Chi; and Liu, Chih-Yuan, 4,878,117, Cl. 358-183.000.
  - Lee, Lain-tze; Chen, Mei H.; and Yao, Chung-Niang, 4,885,389, Cl. 564-418.000.
  - Lin, Shyuh-Der, 4,796,503, Cl. 84-1.260.
  - Lin, Yuh-Wen; and Jan, Ying-Wen, 4,887,914, Cl. 394-12.000.
  - Liu, Jonq-Min; Chen, Tai-Jun; Tsai, Lii-Chyuan; and Pai, Li-Wen, 4,882,250, Cl. 430-58.000.
  - Luo, Jih-Tzang, 4,809,648, Cl. 123-73.0AA.
  - Luo, Jih-Tzang, 4,848,279, Cl. 123-26.000.
  - Peng, Yu-Yin; and Fu, Shih-Lien, 4,852,854, Cl. 251-129.170.
  - Peng, Yu-Yin, 4,878,074, Cl. 354-76.000.
  - Ruey-Guang, Wu, 4,887,294, Cl. 379-355.000.
  - Shyu, Jia-Ming; Huang, Kuoan; and Liu, Jung-Lung, 4,802,156, Cl. 369-132.000.
  - Shyu, Jia-Ming; Chen, Inn-Ming; Lee, Tian-Quey; and Kung, Yunn-Chiang, 4,878,248, Cl. 382-9.000.
  - Ting, Ching-Jui; and Peng, Cheng-Jien, 4,855,571, Cl. 219-376.000.
  - Tsai, Ching-Eeng; and Tarng, Guang-Der, 4,794,896, Cl. 123-193.000.
  - Wang, Tzay-Chyuan; and Guu, Cheng-Show, 4,812,614, Cl. 219-124.340.
  - Yuan, Chi-Yah; Tswei, Tsz-Gang; Lee, Chang-Franw; Wei, Wu-Yaw; Lin, Ching-Hwa; and Chen, Wen-Kuang, 4,848,618, Cl. 220-1.500.
  - Yuh, Marcus; and Lin, Shi-Ming, 4,846,516, Cl. 294-64.100.
- Industrial Tools, Inc.: *See—*
  - Abeyta, William J.; and McConkie, Leonard A., 4,830,553, Cl. 409-136.000.
  - Nielsen, Christian M.; and Bolton, James C., 4,885,964, Cl. 83-56.000.
- Industrial Vehicles International, Inc.: *See—*
  - Wisotsky, Serge S., 4,797,862, Cl. 367-143.000.
- Industrias John Deere, S.A. de C.V.: *See—*
  - Gomez, Pompeyo B., 4,800,963, Cl. 172-219.000.
- Industrie Magneti Marelli S.r.l.: *See—*
  - Angelillo, Domenico; and Riversa, Antonio, 4,819,992, Cl. 303-20.000.
  - Angelillo, Domenico, 4,822,110, Cl. 303-56.000.
  - Clerici, Guido, 4,830,937, Cl. 429-120.000.
  - De Pasquale, Michele, 4,835,432, Cl. 310-242.000.
  - Fasola, Giancarlo, 4,801,909, Cl. 335-126.000.
  - Giovanni, Sesto S., 4,869,473, Cl. 267-74.000.
  - Riti, Gionfranco; and Scampoli, Mario, 4,817,256, Cl. 29-33.00L.
- Industrie Pirelli S.p.A.: *See—*
  - Caretta, Renato, 4,819,705, Cl. 152-527.000.
  - Mancosu, Federico; and Citelli, Giosue', 4,823,785, Cl. 128-202.150.
- Industrie Riunite S.p.A.: *See—*
  - Morra, Luigi, 4,866,437, Cl. 340-870.360.
- Industrie Riunite SPA: *See—*
  - Morra, Luigi, 4,856,098, Cl. 324-207.000.
- Industrie Secco S.p.A.: *See—*
  - Secco, Renzo, 4,835,904, Cl. 49-7.000.
- Industrie Zanussi S.p.A.: *See—*
  - Babuin, Piero; and Colautti, Roberto, 4,833,900, Cl. 68-18.00F.
  - Durazzani, Piero, 4,794,661, Cl. 8-158.000.
  - Milocco, Claudio; Favret, Ugo; and Martegani, Antonio, 4,799,855, Cl. 415-143.000.
  - Tassotti, Sergio; and Sgobaro, Roberto, 4,815,487, Cl. 134-180.000.
- Industrikontakt Ing. O. Ellingsen & Co.: *See—*
  - Ellingsen, Olav, 4,884,634, Cl. 166-248.000.
- Industrimekanik I Stockholm AB: *See—*
  - Dahlman, Sten, 4,811,669, Cl. 105-30.000.
- Industriverktyg AB: *See—*
  - Conradsson, Ake, 4,826,370, Cl. 409-218.000.
- Industry Technology Research Institute: *See—*
  - Chao, Fung-Ching, 4,818,235, Cl. 437-61.000.
- Indwell Products Corporation: *See—*
  - Fetters, G. David, 4,819,285, Cl. 5-99.00R.
- Indyke, David M., to Ethyl Corporation. Polyimide foams and their preparation. 4,814,357, 3-21-89, Cl. 528-289.000.
- Indyke, David M., to Ethyl Corporation. Polyimide foams and their preparation. 4,816,493, 3-28-89, Cl. 521-110.000.
- Indyke, David M., to Ethyl Corporation. Polyimide foams and their production. 4,826,886, 5-2-89, Cl. 521-185.000.
- Indyke, David M., to Ethyl Corporation. Polyimide foams and their preparation. 4,839,398, 6-13-89, Cl. 521-183.000.
- Indyke, David M., to Ethyl Corporation. Polyimide foams their production. 4,855,332, 8-8-89, Cl. 521-185.000.
- Indyke, David M., to Ethyl Corporation. Polyimide foams and their production. 4,866,104, 9-12-89, Cl. 521-185.000.
- Ineichen, Hans: *See—*
  - Kreit, Erwin; and Ineichen, Hans, 4,866,807, Cl. 15-105.000.
- Inelco A/S: *See—*
  - Thun, Niels, 4,833,391, Cl. 320-23.000.
- Inertia Dynamics, Inc.: *See—*
  - Fossum, Eric R., 4,878,568, Cl. 192-18.00B.
- Ines, Veronica L. Pet's excrement collector. 4,852,924, 8-1-89, Cl. 294-1.500.
- Ineson, Leonard. Heated cup. 4,801,782, 1-31-89, Cl. 219-438.000.
- Infab Corporation: *See—*
  - Cusick, Donald J.; and Cusick, Douglas T., 4,843,641, Cl. 2-2.000.
- Infanger, Rudolf, to Ferag AG. Apparatus for stuffing at least one insert into printed products. 4,867,429, 9-19-89, Cl. 270-55.000.
- Infanti Chair Manufacturing, Corp.: *See—*
  - Infanti, Vittorio, 4,817,911, Cl. 249-82.000.
  - Infanti, Vittorio, 4,876,969, Cl. 108-24.000.
- Infanti, Vittorio, to Infanti Chair Manufacturing, Corp. Apparatus for forming ice sculptures. 4,817,911, 4-4-89, Cl. 249-82.000.
- Infanti, Vittorio, to Infanti Chair Manufacturing Corp. Rolling display table for ice sculptures and the like. 4,876,969, 10-31-89, Cl. 108-24.000.
- Infantino, Robert: *See—*
  - Bianchini, William L.; Infantino, Robert; and Musarra, Vicent, 4,835,884, Cl. 36-24.500.
- Infeld, Andrew L. Carton-opening tool. 4,835,860, 6-6-89, Cl. 30-2.000.
- Infeld, Peter, to Dr. Thomastik und Mitarbeiter Offene Handelsgesellschaft. Music string. 4,854,213, 8-8-89, Cl. 84-297.00S.
- Infilico Degremont Inc.: *See—*
  - Jackson, Jerry E., 4,857,182, Cl. 270-104.000.
- Infloor, Inc.: *See—*
  - Drake, Lawrence V., 4,878,332, Cl. 52-741.000.
- Info Media Communication: *See—*
  - Schott, Michel; and Reibel, Jean M., 4,868,374, Cl. 235-441.000.
- Information Appliance, Inc.: *See—*
  - Raskin, Jef; Winter, James; and Curry, Renwick, 4,806,916, Cl. 340-709.000.
- Information Packaging Corp.: *See—*
  - Sellar, James R.; Reisdorf, James E.; Lappies, Mark F.; and Valle, Mark S., 4,852,740, Cl. 206-444.000.
- Information Storage Devices: *See—*
  - Simko, Richard T., 4,890,259, Cl. 365-45.000.
- Inframetrics, Incorporated: *See—*
  - Stetson, Norman B., 4,858,442, Cl. 62-6.000.
- Infrared Engineering Limited: *See—*
  - Edgar, Roger F.; and Hindle, Peter H., 4,885,709, Cl. 364-563.000.

- Infrared Waste Technology, Inc.: *See—*
  - Hay, George H.; and Bleke, Jeffrey P., 4,875,420, Cl. 110-215.000.
- Ing. Alfred Schmidt GmbH: *See—*
  - Doyen, Hans H., 4,796,327, Cl. 15-340.300.
  - Gruber, Franz, 4,829,684, Cl. 37-248.000.
  - Jansen, Johann, 4,843,744, Cl. 37-232.000.
- Ing. C. Olivetti & C., S.p.A.: *See—*
  - Accattino, Andrea; and Jans, Aldo, 4,800,403, Cl. 346-140.00R.
  - Augusti, Ferdinando; Bonatto, Luigi; and Puglisi, Anna M., 4,833,533, Cl. 358-80.000.
  - Bellini, Mario, 4,826,329, Cl. 383-3.000.
  - Berruti, Pierangelo, 4,856,922, Cl. 400-145.200.
  - Cerutti, Walter, 4,805,092, Cl. 364-200.000.
  - Conta, Renato; Rocchi, Remo; and Scardovi, Alessandro, 4,834,637, Cl. 425-110.000.
  - De Marco, Giuliano; and Fehl, Alessandro, 4,805,051, Cl. 360-78.010.
  - Di Stefano, Giorgio, 4,861,176, Cl. 400-208.000.
  - Falconieri, Remo; and Uggetti, Sergio, 4,881,837, Cl. 400-625.000.
  - Furno, Franco; and Biondi, Luigi, 4,875,035, Cl. 340-731.000.
  - Knirsch, Franco; Soudaz, Anna M.; and Genova, Alessandro, 4,836,852, Cl. 106-22.000.
  - Melandri, Bruno, 4,801,895, Cl. 331-17.000.
  - Oberto, Massimo, 4,800,306, Cl. 310-51.000.
  - Quaranti, Giovanni; Gillio, Claudio; and Bonmassari, Gianpaolo, 4,806,030, Cl. 400-144.200.
  - Ukmar, Boris; and Trompetto, Mario, 4,806,033, Cl. 400-208.000.
  - Vittorelli, Vittore, 4,847,885, Cl. 379-6.000.
- Ing. Erich Pfeiffer GmbH & Co. KG: *See—*
  - Fuchs, Karl-Heinz; Graf, Lothar; and Forsbach, Heinz-Peter, 4,817,829, Cl. 222-259.000.
  - Maerte, Leo, 4,830,284, Cl. 239-333.000.
  - Maerte, Leo, 4,871,092, Cl. 222-153.000.
  - Skorka, Thomas, 4,821,923, Cl. 222-80.000.
  - Skorka, Thomas, 4,823,991, Cl. 222-255.000.
  - Skorka, Thomas; and Schuetz, Hans-Josef, 4,826,048, Cl. 222-137.000.
- Ing. Gunter Klemm Spezialunternehmen fur Bohrtechnik: *See—*
  - Klemm, Gunter, 4,840,238, Cl. 175-92.000.
- Ing. Gureau Sonvico AG: *See—*
  - Janssen, Hermann-Josef, 4,815,966, Cl. 431-174.000.
- Ing. h.c.F. Porsche Aktiengesellschaft: *See—*
  - Achleitner, August, 4,834,417, Cl. 280-696.000.
  - Koller, Gerhard, 4,821,693, Cl. 123-193.00H.
- Ing. Hermann Kummerl, Laborgeratebau, Inh. Ing. Klaus Kummerl: *See—*
  - Kummerl, Klaus, 4,888,608, Cl. 354-299.000.
- Ing, Kuo S. Sabotage-proof lock device with elbow-shaped latches. 4,799,718, 1-24-89, Cl. 292-36.000.
- Ing. Shoji Co., Ltd.: *See—*
  - Kawatsu, Hajime, 4,848,683, Cl. 241-294.000.
- Ing. Walter Hengst GmbH & Co. KG: *See—*
  - Baumann, Dieter, 4,811,719, Cl. 123-557.000.
- Ingall, Anthony H.: *See—*
  - Cox, David; Hall, David E.; Ingall, Anthony H.; and Suschitzky, John L., 4,851,419, Cl. 514-338.000.
- Ingalls, John P.; Maringer, Robert E.; and Wood, Ray D., to Battelle Development Corporation. Sheet caster cooling. 4,799,536, 1-24-89, Cl. 164-479.000.
- Ingalls, William E., to O'Rourke, Thomas W., a part interest. King pin member for adjusting camber, and method. 4,795,187, 1-3-89, Cl. 280-661.000.
- Ingalls, William E., to O'Rourke, Thomas W., a part interest. Asssembly for adjusting wheel alignment, and method. 4,836,574, 6-6-89, Cl. 280-661.000.
- Ingalsbe, David L., to Independent Technologies, Inc. 110 Block adapter. 4,878,848, 11-7-89, Cl. 439-76.000.
- Ingalz, Thomas J.; Gin, Jerry B.; and Wong, Vernon G., to See Care Corporation. Tonometer having acoustic coupling detection. 4,886,066, 12-12-89, Cl. 128-645.000.
- Ingard, Karl U.: *See—*
  - Dear, Terrence A.; Ingard, Karl U.; and Scheinberg, Stephen P., 4,832,147, Cl. 181-30.000.
- Inge, Claes: *See—*
  - Borgstrom, Leonard; Carlsson, Claes G.; Franzen, Peter; Inge, Claes; Lagerstedt, Torgny; Moberg, Hans; and Nabo, Olle, 4,861,329, Cl. 494-73.000.
- Ingebrethsen, Bradley J.: *See—*
  - Roberts, Donald L.; Morrison, Carl C.; Brooks, Johnny L.; Crooks, Evon L.; and Ingebrethsen, Bradley J., 4,819,665, Cl. 131-195.000.
- Ingelbrecht, Hugo G. E.: *See—*
  - Bussink, Jan; Ingelbrecht, Hugo G. E.; and Vaishnav, Vinayak, 4,864,011, Cl. 528-198.000.
- Ingelman, Bjorn G.: *See—*
  - Bergman, Per O.; Steen, Yvonne M.; and Ingelman, Bjorn G., 4,804,537, Cl. 424-105.000.
- Ingels, Luis. Bidet attachment for conventional commodes. 4,807,311, 2-28-89, Cl. 4-443.000.
- Ingelsten, Ragnar; and Nilsson, Folke. Fastener separator for a fastener driving apparatus. 4,809,900, 3-7-89, Cl. 227-116.000.
- Ingelstrom, Nils A.: *See—*
  - Ekstrom, Thommy C.; and Ingelstrom, Nils A., 4,818,635, Cl. 428-698.000.
- Ingemann, Ole, to PLM AB. Container having a pull ring for separation and removal of a lid. 4,795,055, 1-3-89, Cl. 220-270.000.
- Ingemann, Ole, to PLM AB. Container for liquids and method for filling and sealing the container. 4,836,401, 6-6-89, Cl. 220-83.000.
- Ingemansson, Stig: *See—*
  - Fridh, Lars; and Ingemansson, Stig, 4,830,140, Cl. 181-288.000.
- Ingendoh, Axel; Lindel, Hans; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, to Bayer Aktiengesellschaft. Arylethanolhydroxylamines for promotion of livestock production. 4,847,291, 7-11-89, Cl. 514-524.000.
- Ingendoh, Axel: *See—*
  - Lindel, Hans; Ingendoh, Axel; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,880,840, Cl. 514-645.000.
- Ingenito, Eve J.: *See—*
  - Ingenito, Michael; Ingenito, Eve J.; and Ingenito, Michael P., 4,828,501, Cl. 434-265.000.
- Ingenito, Michael; Ingenito, Eve J.; and Ingenito, Michael P., to Ingenito, Michael. Compact interactive training manikin system. 4,828,501, 5-9-89, Cl. 434-265.000.
- Ingenito, Michael P.: *See—*
  - Ingenito, Michael; Ingenito, Eve J.; and Ingenito, Michael P., 4,828,501, Cl. 434-265.000.
- Inger, Siegfried, to Palitex Project Company GmbH. Device for switching off and switching on again a spinning or twisting spindle, more especially a two-for-one spinning or twisting spindle. 4,845,933, 7-11-89, Cl. 57-80.000.
- Ingermann, Donald E.; Caffrey, Stephen F.; DeVoe, Alan R.; Smith, Ronald L.; and Sullivan, Ronald G., to Century International Corporation. Bowling lane vacuum with floating head. 4,856,138, 8-15-89, Cl. 15-320.000.
- Ingersol-Rand Company: *See—*
  - Munoz, Jose P., 4,863,197, Cl. 285-14.000.
- Ingersoll, Clyde E.: *See—*
  - Schaffer, Stephen P.; and Ingersoll, Clyde E., 4,804,517, Cl. 420-587.000.
- Ingersoll-Rand Canada, Inc.: *See—*
  - Garrant, Gilles; and Dupuis, Daniel, 4,865,732, Cl. 210-232.000.
- Ingersoll-Rand Company: *See—*
  - Albert, Gregory P., 4,797,074, Cl. 418-41.000.
  - Bardsley, Donald E., 4,821,536, Cl. 68-158.000.
  - Barrows, Robert E., 4,836,306, Cl. 175-321.000.
  - Benson, Dan T., 4,872,975, Cl. 210-99.000.
  - Buse, Frederic W., 4,871,301, Cl. 417-420.000.
  - Cantrel, James F., 4,823,893, Cl. 175-410.000.
  - Capp, F. William; Gerhardt, Don J.; and Little, Randal A., 4,881,055, Cl. 337-404.000.
  - Ditzig, Joseph R., 4,821,812, Cl. 173-17.000.
  - Geiger, Robert E., 4,865,087, Cl. 140-119.000.
  - Lennon, Archie A., 4,878,547, Cl. 175-53.000.
  - Luthi, Oscar; Lewis, Frederick S.; and Carlsmith, Lawrence A., 4,808,265, Cl. 162-60.000.
  - Luthi, Oscar, 4,827,741, Cl. 68-43.000.
  - Munoz, Jose P., 4,836,455, Cl. 239-590.300.
  - Murphy, Bernard J., 4,880,306, Cl. 356-153.000.
  - Myers, Terrance L., 4,872,615, Cl. 239-587.000.
  - Nishimura, Yosaku, 4,881,720, Cl. 254-358.000.
  - Schivley, George P., 4,834,441, Cl. 294-90.000.
  - Vos, Godfrey G.; Newman, Derek E.; and Lyon, Leland H., 4,846,634, Cl. 417-397.000.
- Ingerson, Paul G., to TRW Inc. High-efficiency multibeam antenna. 4,855,751, 8-8-89, Cl. 343-779.000.
- Ingestrom, Curt H. Method of controlling the conditions in a dwelling-house. 4,867,377, 9-19-89, Cl. 237-69.000.
- Ingeveld, Johannes W.; and Westerhof, Albert J., to U.S. Philips Corp. Electric lamp having a mirror-coated lamp vessel. 4,797,302, 1-10-89, Cl. 427-107.000.
- Ingeveld, Johannes W.: *See—*
  - Huijbers, Antonius J.; and Ingeveld, Johannes W., 4,864,181, Cl. 313-113.000.
- Ingham, Harry R.: *See—*
  - Byrne, Phillip O.; Sisson, Penelope R.; and Ingham, Harry R., 4,826,490, Cl. 604-198.000.
- Inghram, Dan. Separate keyholder apparatus and same combined with wallet. 4,796,750, 1-10-89, Cl. 206-37.400.
- Ingle, David M., to Union Oil Company of California. Mastic and caulking compositions and composite articles. 4,855,349, 8-8-89, Cl. 524-432.000.
- Ingle, Frank W.; and Claude, John P., to Medasonics, Inc. Ultrasonic transducer method and apparatus. 4,800,317, 1-24-89, Cl. 310-334.000.
- Ingle, James F.: *See—*
  - Hekimian, Norris C.; and Ingle, James F., 4,833,675, Cl. 370-100.000.
- Ingle, Lloyd D.; Allen, Henry V.; and Knutti, James W., to Hybond Inc. Dynamic force measurement system. 4,884,223, 11-28-89, Cl. 364-550.000.
- Ingle, Richard L.: *See—*
  - McCoy, Stephen A.; Weisgerber, David J.; and Ingle, Richard L., 4,806,632, Cl. 536-124.000.
- Inglis, Allan E.; Ranawat, Chitranjan S.; and Burstein, Albert H., to New York Society for the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery. Elbow joint prosthesis. 4,822,364, 4-18-89, Cl. 623-20.000.
- Inglis, Robert S.; and Thomas, Owen, to Airflow Company. Microwave regeneration of adsorbent materials for reuse as drying agents. 4,805,317, 2-21-89, Cl. 34-1.000.
- Inglis, Ronald T.; Bastian, Thomas W.; and Schertz, Charles W., to General Dynamics Corporation/Pomona Division. Jettisonable protective cover device. 4,867,357, 9-19-89, Cl. 244-121.000.

- Ingolia, Thomas D.; Queener, Stephen W.; Samson, Suellen M.; Skatrud, Paul L.; and Godfrey, Otis W., to Eli Lilly and Company. Recombinant DNA expression vectors and DNA compounds which encode isopenicillin N synthetase. 4,885,251, 12-5-89, Cl. 435-183.000.
- Ingolia, Thomas D.; Queener, Stephen W.; Skatrud, Paul L.; and Wiegel, Barbara J., to Eli Lilly and Company. Recombinant DNA expression vectors and DNA compounds that encode isopenicillin N synthetase from *aspergillus nidulans*. 4,885,252, 12-5-89, Cl. 435-252.300.
- Ingraham, Andrew D.: *See—*
  - Sager, David J.; Hesch, Leon D.; Ingraham, Andrew D.; and Samaras, William A., 4,811,364, Cl. 375-106.000.
- Ingraham, Ronald D., to Nartron Corporation. Capacity responsive control circuit. 4,831,279, 5-16-89, Cl. 307-116.000.
- Ingram, Gary D.: *See—*
  - Stone, Patrick C.; Luke, Mike A.; and Ingram, Gary D., 4,836,278, Cl. 166-115.000.
- Ingram, Glenn B., to W. L. Gore & Associates, Inc. Method and assembly for terminating a conductive polymer-shielded coaxial electrical cable. 4,842,553, 6-27-89, Cl. 439-583.000.
- Ingram, Glenn B., to W. L. Gore & Associates, Inc. Low dielectric constant reinforced coaxial electric cable. 4,866,212, 9-12-89, Cl. 174-28.000.
- Ingram, Lawrence L., to Tanimura & Antle Partnership. Tape dispenser for taping a product. 4,816,109, 3-28-89, Cl. 156-443.000.
- Ingram, Lawrence L., to Tanimura & Antle. Method of taping a product with a length of tape. 4,826,551, 5-2-89, Cl. 156-186.000.
- Ingram, Robert T. Folding kayak. 4,821,666, 4-18-89, Cl. 114-347.000.
- Ingram, Robert T. Kayak safety sponsons. 4,838,196, 6-13-89, Cl. 114-347.000.
- Ingram, Thomas L. Hose coupling. 4,817,997, 4-4-89, Cl. 285-256.000.
- Ingvason, Sigurdur. Ships propulsion. 4,815,995, 3-28-89, Cl. 440-66.000.
- Ingwersen, Hartwig: *See—*
  - Duerr, Wilhelm; Ingwersen, Hartwig; Krause, Norbert; and Oppelt, Ralph, 4,841,249, Cl. 324-318.000.
- Inh. h.c.F. Porsche Aktiengesellschaft: *See—*
  - Groeger, Klaus; and Disteirath, Winfried, 4,844,032, Cl. 123-196.00R.
- Inik Instrument Och Elektronik: *See—*
  - Hyyppa, Kalevi, 4,811,228, Cl. 364-424.020.
- Injectall Limited: *See—*
  - Bates, Kenneth W., 4,802,655, Cl. 266-218.000.
- Injecto Mold: *See—*
  - Bory, Steven, 4,796,329, Cl. 16-121.000.
- Ink Company, The: *See—*
  - McKelvey, John L., 4,818,284, Cl. 106-20.000.
  - McKelvey, John L., 4,874,515, Cl. 210-360.100.
- Inkman, William P.; Garza, Cesario S.; and Cusumano, Ted A., to Motorola, Inc. Speaker retaining assembly. 4,852,178, 7-25-89, Cl. 381-205.000.
- Inkol, Robert J., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Reconfigurable parameter filter having filter sections selectively operating independently on respective low precision binary numbers or together on a higher precision binary number. 4,859,985, 8-22-89, Cl. 340-146.200.
- Inkol, Robert J., to Canada, Her Majesty the Queen in Right of. Filter system for radar applications. 4,879,561, 11-7-89, Cl. 342-195.000.
- Inkpen, Stuart: *See—*
  - Melcher, James R.; and Inkpen, Stuart, 4,818,627, Cl. 428-551.000.
- Inkrott, Kenneth E.; and Hawley, Gil R., to Phillips Petroleum Company. Magnesium halide hydrates and polymerization catalysts prepared therefrom. 4,853,444, 8-1-89, Cl. 526-119.000.
- Inkster, Kevin R.; and Lewis, David J. Wood working tool. 4,850,407, 7-25-89, Cl. 144-240.000.
- Inkyo, Mitsugi; Tahara, Takashi; and Kitada, Yasutaka, to Kotobuki Eng. & Mfg., Co., Ltd. Wet stirred ball mill. 4,834,301, 5-30-89, Cl. 241-33.000.
- Inland Container Corporation: *See—*
  - Schwaner, Jon M.; and Falk, Eric E., 4,807,804, Cl. 229-52.00B.
- Inland Steel Company: *See—*
  - Hubbard, Mark A., 4,863,684, Cl. 420-84.000.
  - Jackson, Charles R.; Rellis, Daniel, Jr.; Pielet, Howard M.; Bhattacharya, Debanshu; Frank, Larry A.; Dasgupta, Purnendu; and Knoepke, John R., 4,852,632, Cl. 164-437.000.
  - Ladkovsky, Gregory, 4,871,403, Cl. 148-121.000.
  - Moscoe, Gerald F.; Matervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,828,014, Cl. 164-437.000.
  - Moscoe, Gerald F.; Mastervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,860,819, Cl. 164-437.000.
  - Nickola, Richard A., 4,837,091, Cl. 428-653.000.
  - Peters, Anthony T.; Fosnacht, Donald R.; and Knoepke, John R., 4,848,755, Cl. 266-216.000.
  - Peters, Anthony T.; Fosnacht, Donald R.; and Knoepke, John R., 4,849,167, Cl. 420-129.000.
  - Pielet, Howard M.; Frank, Larry A., Edgar, William; and Alavanja, Milan, 4,881,990, Cl. 148-320.000.
  - Schlichting, Mark R.; and Szatkowski, Marian, 4,810,286, Cl. 75-49.000.
  - Wilson, Roland B.; Shapiro, Jack M.; and Cline, Richard S., 4,796,946, Cl. 296-146.000.
- Inland Steel & Forgings Ltd.: *See—*
  - Penner, Jacob, 4,886,409, Cl. 414-24.600.
- Inline Plastics Corporation: *See—*
  - Kalmanides, Danny, 4,886,204, Cl. 229-2.50R.
- Inman, David D.: *See—*
  - Hinson, Wilburn W.; Inman, David D.; and Russell, Dennis A., 4,850,834, Cl. 425-19.000.
- Inman, Everett; Roberts, Nancy J.; and Juneja, Prem S., to Procter & Gamble Company, The. Stable antidandruff shampoo compositions. 4,854,333, 8-8-89, Cl. 132-209.000.
- Inman, Tilmoth H., II: *See—*
  - Ferguson, Jean C.; and Inman, Tilmoth H., II, 4,807,418, Cl. 52-747.000.
- INMOS Corporation: *See—*
  - Jones, Robert E., Jr.; Kammerdiner, Lee; and Reeder, Michael R., 4,835,118, Cl. 437-173.000.
  - McClure, Paul J.; and Jones, Robert E., Jr., 4,826,785, Cl. 437-174.000.
- INMOS Limited: *See—*
  - Dyson, Clive M.; King-Smith, Anthony D.; and Yassate, Mohamad H., 4,858,233, Cl. 371-9.000.
  - May, Michael D.; and Chesney, Henry M., 4,811,277, Cl. 370-94.000.
  - May, Michael D., 4,819,151, Cl. 364-200.000.
  - Parson, Brian J.; Shepherd, Roger M.; May, Michael D.; and Stewart, Graham, 4,885,740, Cl. 370-60.000.
  - Yassaie, Mohamad H.; King-Smith, Anthony D.; and Dyson, Clive M., 4,835,725, Cl. 364-736.000.
- Innami, Tamio: *See—*
  - Kawauchi, Masataka; Sato, Mitsuyoshi; Innami, Tamio; and Katoh, Takeshi, 4,820,909, Cl. 235-379.000.
- Innami, Toshiyuki: *See—*
  - Oku, Masaharu; Ohbayashi, Akio; and Innami, Toshiyuki, 4,824,349, Cl. 425-29.000.
- Inncom International, Inc.: *See—*
  - Teich, Rudor M.; and Buckingham, Duane, 4,850,040, Cl. 455-603.000.
- Inner-Tite Corp.: *See—*
  - Davis, George W., 4,830,414, Cl. 292-327.000.
- Innerspace Corporation: *See—*
  - Gongwer, Calvin A.; and Gongwer, Robert C., 4,834,364, Cl. 272-93.000.
- Innes, R. A.: *See—*
  - Zones, Stacey I.; and Innes, R. A., 4,859,442, Cl. 423-277.000.
- Innes, Robert S.; and McGuire, Bernard. Counter-flow poultry chiller. 4,860,554, 8-29-89, Cl. 62-374.000.
- Innocenti, Bruno: *See—*
  - Benvenuti, Erio; and Innocenti, Bruno, 4,864,816, Cl. 60-39.161.
- Innocenti, Stefano, to Europa Metalli-Lmi Societa Per Azioni. Copper-based metal alloy of improved type, particularly for the construction of electronic components. 4,859,417, 8-22-89, Cl. 420-493.000.
- Innocorp Manufacturing, Inc.: *See—*
  - Kapp, Gregory W., 4,881,673, Cl. 224-311.000.
- Innofinance Altalanos Innovacios Penzintezet: *See—*
  - Kenyeres, Istvan; and Koch, Lehel, 4,840,751, Cl. 261-36.100.
  - Keri, Tibor; and Kristof, Janosne, 4,855,137, Cl. 424-195.100.
  - Novak, Tibor, 4,880,630, Cl. 424-195.100.
  - Resli, Istvan; Takacs, Tibor; Damjanovich, Sandor; Gaspar, Rezso; Tron, Lajos; Szollosi, Janos; and Matko, Janos, 4,880,732, Cl. 435-29.000.
  - Teleki, Peter, 4,795,654, Cl. 428-635.000.
  - Vekony, Sandor; and Vekonyne, Klara J., 4,803,914, Cl. 92-31.000.
- Innopac, Inc.: *See—*
  - Warburton, Eric T.; and Rouble, Vincent J., 4,846,379, Cl. 222-482.000.
- Innotech S.A.: *See—*
  - Lien, Per, 4,846,622, Cl. 411-366.000.
- Innova Development Corporation: *See—*
  - Stern, Carl M., 4,846,246, Cl. 160-224.000.
- Innovation Sports, Inc.: *See—*
  - Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., 4,856,501, Cl. 128-80.00C.
  - Castillo, Edward L.; Castillo, James D.; and Castillo, Michael S., 4,886,054, Cl. 128-80.00F.
- Innovations Ltd.: *See—*
  - Readshaw, Lenard T.; VanVelzen, Cornelis N.; Paquette, John L.; and McKeown, Kenneth O., 4,887,494, Cl. 76-27.000.
- Innovative Computer Tools, Inc.: *See—*
  - Goldstein, Howard, 4,800,788, Cl. 81-451.000.
- Innovative Controls, Inc.: *See—*
  - Ponds, Kevin W.; and Calloway, John E., 4,868,727, Cl. 362-344.000.
- Innovative Engineering, Inc.: *See—*
  - Busch, Ewald U., 4,832,011, Cl. 128-202.130.
- Innovative Imaging Sciences, Inc.: *See—*
  - Kruger, Robert A., 4,864,596, Cl. 378-185.000.
- Innovative Medical Engineering, Inc.: *See—*
  - Brook, Arthur H.; Carian, Peter J.; Katzin, Leonard; Landsinger, Edmund E.; Moore, James D.; Rotter, Leah D.; and Schreiber, Stanley, 4,875,469, Cl. 128-26.000.
- Innovative Scientific Development, Inc.: *See—*
  - Mathis, Lee R.; Panagotacos, George W.; Panagotacos, Steve K.; and Bruce, Ronald A., 4,814,579, Cl. 219-202.000.
- Innovative Solutions & Support, Inc.: *See—*
  - Hedrick, Geoffrey S. M., 4,881,006, Cl. 313-450.000.
- Innovative Technology, Inc.: *See—*
  - Bourgeois, Rodney M., 4,801,979, Cl. 355-106.000.

- Innovative Therapeutic Designs, Inc.: *See—*
  - Luquette, Michael M., 4,878,663, Cl. 272-134.000.
- Innovative Training Products, Inc.: *See—*
  - Elstein, Rick A.; Faret, Svein; and Mayol, Larry E., 4,834,375, Cl. 273-26.00R.
- Innovec, Inc.: *See—*
  - Kemper, Alicia W., 4,820,164, Cl. 434-238.000.
- Innovex, Inc.: *See—*
  - Drits, Vladimir, 4,816,965, Cl. 361-267.000.
  - Drits, Vladimir, 4,854,161, Cl. 73-104.000.
  - Drits, Vladimir; and Tselesin, Naum, 4,873,605, Cl. 361-143.000.
  - Haley, Thomas W.; Drits, Vladimir; and Johnson, Dale R., 4,819,329, Cl. 29-860.000.
- Innovision Optics, Inc.: *See—*
  - Centkowski, Mark; Manios, Steven E., Sr.; and Weaver, James, 4,862,199, Cl. 354-62.000.
- INNSE Innocenti Santeustacchio S.p.A.: *See—*
  - Galletti, Cesare; Gancia, Emanuele; and Quecchia, Giorgio, 4,794,776, Cl. 72-235.000.
  - Zurru, Sergio; and Alberti, Romano, 4,856,314, Cl. 72-263.000.
- Innus, Andris B.; and Villeneuve, Michel, to Alcan International Limited. Dross cooling apparatus. 4,842,255, 6-27-89, Cl. 266-158.000.
- Ino, Hiroyuki: *See—*
  - Fukami, Tadashi; and Ino, Hiroyuki, 4,862,297, Cl. 360-53.000.
  - Sugiki, Hiraku; Ino, Hiroyuki; and Fukami, Tadashi, 4,885,647, Cl. 360-73.120.
- Ino, Juichi; Hishinuma, Akihiro; Nagayama, Hirotsugu; and Kawahara, Hideo, to Nippon Sheet Glass Co., Ltd. Method for production of oxide film. 4,882,183, 11-21-89, Cl. 427-126.600.
- Ino, Kenji: *See—*
  - Vidwans, Mohan P.; and Ino, Kenji, 4,854,642, Cl. 297-410.000.
- Ino, Masumitsu: *See—*
  - Izumi, Kouji; Itagaki, Masanori; Ohta, Eiichi; Okamoto, Hiroyuki; Ino, Masumitsu; and Equchi, Hirotoshi, 4,849,730, Cl. 338-2.000.
- Ino, Shozo: *See—*
  - Daimon, Hiroshi; and Ino, Shozo, 4,849,629, Cl. 250-305.000.
- Ino, Yoshihiro: *See—*
  - Kogo, Masanori; and Ino, Yoshihiro, 4,849,838, Cl. 360-69.000.
- Inobe, Kazuhiko; and Kanzaki, Masami, to Matsushita Electric Industrial Co., Ltd. Keyboard for a portable data terminal. 4,882,581, 11-21-89, Cl. 341-22.000.
- Inoda, Kenichi: *See—*
  - Harada, Terumaru; Inoda, Kenichi; Fujita, Tatsuo; and Adachi, Kinichi, 4,870,821, Cl. 60-520.000.
- Inoex GmbH Innovationen und Austrustungen fur die Extrusionstechnik: *See—*
  - Neumann, Ulrich; and Wolfl, Volkmar, 4,812,048, Cl. 366-141.000
- Inoform Equipment Ltd.: *See—*
  - Mancini, Derek, 4,809,852, Cl. 206-620.000.
  - Mancini, Derek, 4,862,676, Cl. 53-453.000.
- Inoguchi, Hirokazu; and Watanabe, Shoichi, to Nitto Boseki Co., Ltd. Glass fiber product for use in the reinforcement of fluororesin. 4,865,910, 9-12-89, Cl. 428-268.000.
- Inoguchi, Kazuhiro; Ito, Novuei; Nunogaki, Naochika; and Toyama, Tetsuo, to Nippon Soken, Inc. Silicon nitride-alumina composite ceramics and producing method thereof. 4,845,061, 7-4-89, Cl. 501-97.000.
- Inoguchi, Kazuhiro: *See—*
  - Nunogaki, Naochika; Toyama, Tetsuo; Ito, Nobuei; and Inoguchi, Kazuhiro, 4,814,581, Cl. 219-270.000.
- Inoh, Tadashi: *See—*
  - Inoue, Takashi; Sunada, Masazi; Okamoto, Motohide; Kariya, Masayoshi; and Inoh, Tadashi, 4,845,146, Cl. 524-436.000.
- Inohana, Haruyuki; Takaoka, Saburo; and Takada, Hideaki, to Pioneer Electronic Corporation; and Hitachi, Ltd. Waveform equalization circuit for a magnetic reproducing device. 4,890,170, 12-26-89, Cl. 360-65.000.
- Inohara, Kazumi: *See—*
  - Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.
- Inoki, Masahiro, to Hosokawa Micron Corporation. Ball mill. 4,811,909, 3-14-89, Cl. 241-33.000.
- Inokoshi, Junichi: *See—*
  - Tsumadori, Masaki; and Inokoshi, Junichi, 4,795,573, Cl. 252-8.800.
  - Tsumadori, Masaki; Shimizu, Kazuo; Inokoshi, Junichi; and Murata, Moriyasu, 4,842,760, Cl. 252-8.800.
  - Yamamura, Masaaki; Inokoshi, Junichi; Ito, Tetuo; Furuta, Kazumitsu; and Shimizu, Kazuo, 4,885,102, Cl. 252-8.800.
- Inokuchi, Haruhisa; and Sakai, Takami, to Kabushiki Kaisha Toshiba. Power converter. 4,797,799, 1-10-89, Cl. 363-37.000.
- Inokuchi, Haruhisa, to Kabushiki Kaisha Toshiba. DC power transmission system. 4,862,340, 8-29-89, Cl. 363-35.000.
- Inokuti, Yukio; and Ohkubo, Osamu, to Kawasaki Steel Corp. Hollow cathode gun and deposition device for ion plating process. 4,863,581, 9-5-89, Cl. 204-298.000.
- Inomata, Fumio: *See—*
  - Yasunaga, Osamu; Wakusaka, Kazuharu; Inomata, Fumio; and Tsuchiya, Toshio, 4,878,555, Cl. 180-68.300.
- Inomata, Hiroshi: *See—*
  - Ikeno, Masayuki; Miyakoshi, Masanobu; and Inomata, Hiroshi, 4,818,805, Cl. 528-15.000.
  - Ikeno, Masayuki; Fujiki, Hironao; and Inomata, Hiroshi, 4,886,865, Cl. 528-15.000.
  - Yoshino, Masachika; Hasebe, Nobuyuki; Fujiki, Hironao; and Inomata, Hiroshi, 4,879,339, Cl. 524-740.000.
- Inomata, Kenichi: *See—*
  - Nakajima, Nobiyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, 4,850,815, Cl. 417-295.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, 4,801,251, Cl. 417-295.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,815,945, Cl. 417-295.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, 4,822,263, Cl. 418-133.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Eitai, Kazuo; and Yamaguchi, Toshio, 4,861,235, Cl. 417-295.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, 4,867,651, Cl. 417-295.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,869,652, Cl. 417-295.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,875,835, Cl. 417-295.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,878,814, Cl. 417-63.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,889,474, Cl. 417-295.000.
- Inomata, Koichiro; Mizoguchi, Tetsuhiko; Sori, Naoyuki; Yamariya, Hideki; and Sakai, Isao, to Kabushiki Kaisha Toshiba. Magnetic field generator useful for a magnetic resonance imaging instrument. 4,827,235, 5-2-89, Cl. 335-297.000.
- Inomata, Koichiro: *See—*
  - Mizoguchi, Tetsuhiko; Sakai, Isao; Niu, Hiromi; and Inomata, Koichiro, 4,859,254, Cl. 148-302.000.
  - Mizoguchi, Tetsuhiko; Inomata, Koichiro; Higuchi, Toru; and Sakai, Isao, 4,878,964, Cl. 148-302.000.
  - Sahashi, Masashi; and Inomata, Koichiro, 4,849,017, Cl. 75-245.000.
  - Sawa, Takao; Hashimoto, Susumu; and Inomata, Koichiro, 4,859,256, Cl. 148-304.000.
- Inomata, Masaichi: *See—*
  - Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, 4,874,955, Cl. 250-550.000.
  - Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, 4,881,126, Cl. 358-160.000.
- Inomata, Minako: *See—*
  - Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.
- Inomata, Tatsuaki: *See—*
  - Kimura, Masatoshi; Okuda, Hiroshi; Fujikawa, Yujiro; and Inomata, Tatsuaki, 4,796,411, Cl. 53-453.000.
- Inomata, Yoshihisa: *See—*
  - Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,814,494, Cl. 562-419.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,885,419, Cl. 585-25.000.
  - Shimuzu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,836,966, Cl. 264-63.000.
- Inomoto, Yasumasa: *See—*
  - Kasahara, Kensuke; Terakado, Tomoji; Inomoto, Yasumasa; Suzuki, Akira; and Itoh, Tomohiro, 4,829,346, Cl. 357-22.000.
- Inooka, Masayoshi, to Chiyoda Corporation. Process for recovering metallic gallium from gallium compound-containing waste. 4,812,167, 3-14-89, Cl. 75-63.000.
- Inoquchi, Tsukasa: *See—*
  - Katoh, Masaaki; and Inoquchi, Tsukasa, 4,847,734, Cl. 362-32.000.
- Inose, Sadao: *See—*
  - Tamura, Kenji; Hashimoto, Hirofumi; Baba, Youichiro; and Inose, Sadao, 4,824,026, Cl. 239-707.000.
- Inotech Process Ltd.: *See—*
  - Cowan, Wavell; and McGurk, Stanley, 4,888,096, Cl. 162-358.000.
- Inotek-Westmoreland Joint Venture: *See—*
  - Barner, William H., 4,838,112, Cl. 74-527.000.
- Inotel Inc.: *See—*
  - Lalancette, Jean-Marc, 4,828,926, Cl. 428-457.000.
- Inou, Kiyoharu; and Sakimoto, Katsuji, to Yokogawa Electric Corporation. DC power supply with improved output stabilizing feedback. 4,862,339, 8-29-89, Cl. 363-21.000.
- Inouci, Katsuyoshi. Infrared ray radiation sauna device with heat source of combustion heat. 4,846,145, 7-11-89, Cl. 126-208.000.
- Inoue, Aiichiro; Onishi, Katsumi; Oinaga, Yuji; and Nojima, Kenichi, to Fujitsu Limited. Centralized command transfer control system for connecting processors which independently send and receive commands. 4,852,021, 7-25-89, Cl. 364-200.000.
- Inoue, Akihiro: *See—*
  - Dobashi, Yoshitomi; and Inoue, Akihiro, 4,871,941, Cl. 313-485.000.
  - Dobashi, Yoshitomi; and Inoue, Akihiro, 4,887,002, Cl. 313-607.000.
- Inoue, Akihisa: *See—*
  - Miyagi, Tokuya; Inoue, Akihisa; Ootsubo, Taisuke; and Fujimori, Shoichi, 4,826,519, Cl. 55-487.000.
- Inoue, Akira, to Kabushiki Kaisha Toshiba. Multi-imaging apparatus. 4,825,365, 4-25-89, Cl. 364-413.190.
- Inoue, Akira; Ushio, Masaru; Morita, Toru; Oishi, Yasuyuki; and Sakoda, Hisao, to Nippon Oil Co., Ltd. Method for removing iron content in petroleum series mineral oil therefrom. 4,836,914, 6-6-89, Cl. 208-251.00H.

- Inoue, Akira; and Hattori, Yasuji, to Sumitomo Electric Industries, Ltd. Method and apparatus of measuring outer diameter and structure of optical fiber. 4,882,497, 11-21-89, Cl. 250-560.000.
- Inoue, Akira: *See—*
  - Ikeda, Noriaki; Sugishima, Noboru; Fujii, Yasushi; Ikuta, Shinji; Nakanishi, Yoshiyuki; and Inoue, Akira, 4,840,749, Cl. 260-378.000.
  - Kobayashi, Motonobu; Inoue, Akira; Hagi, Mitsuharu; Nagai, Tsuyoshi; and Kinoshita, Hutoru, 4,814,153, Cl. 423-213.200.
  - Kobayashi, Motonobu; Kinoshita, Futoru; Mitsui, Kiichiro; and Inoue, Akira, 4,854,123, Cl. 60-274.000.
  - Naoi, Satoshi; Inoue, Akira; Nishikawa, Katsuhiko; and Nagata, Shigemi, 4,853,885, Cl. 364-718.000.
  - Oishi, Yasuyuki; and Inoue, Akira, 4,861,746, Cl. 502-314.000.
- Inoue, Akito, to Poly Techs Inc. Membrane electrode for electrodeposition coating. 4,834,861, 5-30-89, Cl. 204-299.0EC.
- Inoue, Akito, to Poly Techs Inc. Electrodeposition coating system. 4,851,102, 7-25-89, Cl. 204-299.0EC.
- Inoue, Atsuo; and Sato, Motoharu, to Sanden Corporation. Device for controlling capacity of variable capacity compressor. 4,843,834, 7-4-89, Cl. 62-209.000.
- Inoue, Atsuo: *See—*
  - Nerome, Kuniaki; Oya, Akira; Ohkuma, Kunio; and Inoue, Atsuo, 4,826,687, Cl. 424-450.000.
- Inoue, Bert; and Lee, Phil, to Dura Lee, Ltd. Collapsible reusable planter box. 4,796,383, 1-10-89, Cl. 47-73.000.
- Inoue, Eiichi; Shimizu, Isamu; and Komatsu, Toshiyuki, to Canon Kabushiki Kaisha. Image forming member for electrophotography. 4,877,709, 10-31-89, Cl. 430-128.000.
- Inoue, Eisuke: *See—*
  - Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
  - Umai, Takaaki; Nonaka, Yasuhiko; and Inoue, Eisuke, 4,816,715, Cl. 313-366.000.
- Inoue, Fumihito: *See—*
  - Ueno, Toshiaki; Ikeuchi, Fumio; and Inoue, Fumihito, 4,795,963, Cl. 324-57.00R.
- Inoue, Gentei; Sakatani, Ikunori; and Tanaka, Katsuhiko, to Nippon Seiko Kabushiki Kaisha. Bearing device. 4,856,918, 8-15-89, Cl. 384-610.000.
- Inoue, Hajime; and Tanaka, Mikio, to Sanyo Electric Co., Ltd. Program scan apparatus for VTR utilizing picture-in-picture display. 4,890,168, 12-26-89, Cl. 358-335.000.
- Inoue, Hakuai; and Komiyama, Hiroshi, to Idemitsu Kosan Company Limited. Ultra-fine spherical particles of metal oxide and a method for the preparation thereof. 4,842,832, 6-27-89, Cl. 423-211.000.
- Inoue, Hideaki: *See—*
  - Ohta, Morio; and Inoue, Hideaki, 4,819,186, Cl. 364-519.000.
  - Tamura, Minoru; Murakami, Terukiyo; Inoue, Hideaki; and Iwata, Toru, 4,866,618, Cl. 364-431.030.
- Inoue, Hidehiko: *See—*
  - Ikeda, Sadayuki; Inoue, Hidehiko; Nagai, Kiyotake; Nakajima, Hiroshi; and Ushiyama, Yasuichi, 4,800,435, Cl. 358-213.190.
- Inoue, Hideo; Ohta, Masashi; and Sugitani, Tatsuo, to Toyota Jidosha Kabushiki Kaisha. Braking system for automotive vehicle. 4,848,852, 7-18-89, Cl. 303-100.000.
- Inoue, Hideo; Uchida, Koyoyuki; and Sugitani, Tatsuo, to Toyota Jidosha Kabushiki Kaisha. Anti-skid braking system for automotive vehicle. 4,849,890, 7-18-89, Cl. 364-426.020.
- Inoue, Hideo: *See—*
  - Sugitani, Tatsuo; Uchida, Kiyoyuki; and Inoue, Hideo, 4,883,326, Cl. 303-110.000.
- Inoue, Hidetoshi: *See—*
  - Yoshikawa, Katsuyuki; Inoue, Hidetoshi; Shiomi, Tsukasa; Oie, Shojiro; and Abe, Mutsumi, 4,822,414, Cl. 75-249.000.
- Inoue, Hiroaki; Sakano, Shinji; Nakamura, Hitoshi; Katsuyama, Toshio; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Optical devices and optical integrated circuits. 4,887,877, 12-19-89, Cl. 350-96.110.
- Inoue, Hiroaki: *See—*
  - Katsuyama, Toshio; Matsumura, Hiroyoshi; Inoue, Hiroaki; Fukuzawa, Tadashi; and Chinone, Naoki, 4,861,130, Cl. 350-96.140.
  - Nakamura, Hitoshi; Sakano, Shinji; Inoue, Hiroaki; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,840,446, Cl. 350-96.130.
  - Sakano, Shinji; Inoue, Hiroaki; Matsumura, Hiroyoshi; Nakamura, Hitoshi; Katsuyama, Toshio; and Chinone, Naoki, 4,813,757, Cl. 350-96.140.
  - Tada, Kunio; Okada, Yoshitaka; Inoue, Hiroaki; and Matsumura, Hiroyoshi, 4,832,430, Cl. 350-96.140.
- Inoue, Hiroharu: *See—*
  - Mitamura, Shuichi; Fujishiro, Koichi; and Inoue, Hiroharu, 4,820,868, Cl. 562-482.000.
  - Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, 4,833,214, Cl. 525-420.000.
  - Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, 4,845,185, Cl. 528-229.000.
- Inoue, Hirokatsu; and Shimizu, Chuji, to Fukuda Denshi Co., Ltd. Electrocardiogram electrode pad. 4,852,574, 8-1-89, Cl. 128-643.000.
- Inoue, Hirom, to Sony Corporation. Cathode-grid support structure for CRT electron gun. 4,853,584, 8-1-89, Cl. 313-417.000.
- Inoue, Hiromichi; Saito, Shinichi; Miyazawa, Kazutoshi; Inukai, Takashi; and Terashima, Kanetsugu, to Chisso Corporation. Liquid crystalline ester compounds and mixtures thereof. 4,834,907, 5-30-89, Cl. 252-299.650.
- Inoue, Hiromichi; Inukai, Takashi; Ohno, Kouji; Miyazawa, Kazutoshi; and Saito, Shinichi, to Chisso Corporation. Halogen-containing heterocyclic compound and liquid crystal composition. 4,865,763, 9-12-89, Cl. 252-299.610.
- Inoue, Hiromichi: *See—*
  - Miyazawa, Kazutoshi; Saito, Shinichi; Inoue, Hiromichi; Inukai, Takashi; and Terashima, Kanetsugu, 4,816,181, Cl. 252-299.650.
  - Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,818,432, Cl. 252-299.660.
  - Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,886,622, Cl. 252-299.610.
  - Ohno, Kouji; Inoue, Hiromichi; Inukai, Takashi; Saito, Shinichi; and Miyazawa, Kazutoshi, 4,795,587, Cl. 252-299.610.
  - Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,827,052, Cl. 568-812.000.
  - Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,882,084, Cl. 252-299.660.
  - Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,429, Cl. 252-299.610.
  - Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,430, Cl. 252-299.610.
  - Saito, Shinichi; Inoue, Hiromichi; Miyazawa, Kazutoshi; Ohno, Kouji; and Ushioda, Makoto, 4,876,026, Cl. 252-299.610.
  - Toguchi, Takehiko; Tateno, Mamoru; Shibata, Kiwamu; and Inoue, Hiromichi, 4,866,227, Cl. 200-147.00A.
- Inoue, Hiroo; Kouyama, Toshitake; and Onosato, Masashi, to NEC Corporation. Highly sensitive image pickup apparatus. 4,814,888, 3-21-89, Cl. 358-211.000.
- Inoue, Hiroo: *See—*
  - Abiko, Toshio; Tsukamoto, Katsuya; Inoue, Hiroo; Fujii, Yasuhiro; Kanda, Minoru; and Miyachi, Nobuaki, 4,816,835, Cl. 343-700.0MS.
- Inoue, Hiroshi; Kato, Toshikazu; Otsuru, Masaaki; and Emura, Noriaki, to Tosoh Corp.; and Hodogaya Chemical Co., Ltd. Polyphenylene sulfide containing covalently bonded chlorine in a reduced amount. 4,820,801, 4-11-89, Cl. 528-388.000.
- Inoue, Hiroshi, to Nissan Motor Company, Limited. Signal monitoring apparatus. 4,821,562, 4-18-89, Cl. 73-119.00A.
- Inoue, Hiroshi, to OKI Electric Industry Co., Ltd. Semiconductor device. 4,827,449, 5-2-89, Cl. 365-63.000.
- Inoue, Hiroshi; Osada, Yoshiyuki; and Inaba, Yutaka, to Canon Kabushiki Kaisha. A driving signal generating unit having first and second voltage generators for selectively outputting a first voltage signal and a second voltage signal. 4,830,467, 5-16-89, Cl. 350-333.000.
- Inoue, Hiroshi; Kato, Toshikazu; Tomagou, Satoshi; and Emura, Noriaki, to Tosoh Corporation and Toso Susteel Co., Ltd. Process for producing a polyarylene sulfide. 4,840,986, 6-20-89, Cl. 524-436.000.
- Inoue, Hiroshi; Kato, Toshikazu; and Emura, Noriaki, to Tosoh Corporation; and Toso Susteel Co., Ltd. Process for preparing polyarylene sulfides with recovery of carboxylic acid. 4,845,190, 7-4-89, Cl. 528-388.000.
- Inoue, Hiroshi; Hirano, Tetsuji; Muramatsu, Tadao; and Narahara, Yasuji, to Ube Industries, Ltd. Process for producing a shaped and drawn aromatic imide polymer article. 4,869,861, 9-26-89, Cl. 264-204.000.
- Inoue, Hiroshi; Omata, Satoshi; Osada, Yoshiyuki; Inoue, Yutaka; Yamakawa, Tadashi; and Satomura, Hiroshi, to Canon Kabushiki Kaisha. Image forming apparatus and driving method therefor. 4,884,079, 11-28-89, Cl. 346-1.100.
- Inoue, Hiroshi: *See—*
  - Enari, Masahiko; Yamashita, Shinichi; Omata, Satoshi; Kuno, Mitsutoshi; Inoue, Hiroshi; and Osada, Yoshiyuki, 4,816,819, Cl. 340-811.000.
  - Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, 4,883,780, Cl. 501-96.000.
  - Kato, Toshikazu; Inoue, Hiroshi; Tomagou, Satoshi; and Emura, Noriaki, 4,868,275, Cl. 528-212.000.
  - Kishi, Yasuo; Inoue, Hiroshi; and Tanaka, Hiroyuki, 4,795,500, Cl. 136-244.000.
  - Komatsu, Shigeru; and Inoue, Hiroshi, 4,888,306, Cl. 437-162.000.
  - Masunaga, Hiroaki; Inoue, Hiroshi; Sakamoto, Masaaki; and Higashide, Norihiko, 4,863,340, Cl. 414-789.500.
  - Mizutani, Toshiaki; Yonezawa, Takeyuki; Inoue, Hiroshi; Tsuge, Akihiko; and Ohnuma, Yoshiyuki, 4,853,299, Cl. 428-698.000.
  - Nomura, Tomohiko; Shimizu, Hitoshi; Inoue, Hiroshi; Ishizuka, Yoshimi; and Hirano, Hiroshi, 4,816,501, Cl. 523-406.000.
  - Tabata, Kanzo; Inoue, Hiroshi; Muramatsu, Tadao; and Narahara, Yasuji, 4,839,217, Cl. 428-156.000.
  - Yamashita, Shinichi; Kanno, Hideo; Mizutome, Atsushi; and Inoue, Hiroshi, 4,795,239, Cl. 350-333.000.
- Inoue, Hisamichi: *See—*
  - Murase, Michio; Kataoka, Yoshiyuki; Inoue, Hisamichi; Naoh, Masanori; and Sugisaki, Toshihiko, 4,859,401, Cl. 376-282.000.

Inoue, Hisao: *See—*

Hayami, Toshitomo; Shibata, Humio; Iguchi, Katsumi; Inoue, Hisao; Ono, Takashi; and Ishimoto, Takashi, 4,859,251, Cl. 148-286.000.

Inoue, Hisataka: *See—*

Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.

Inoue, Hitoshi; Kondo, Toshiro; Takata, Naoto; and Edahiro, Takeshi, to Mazda Motor Corporation. Vehicle suspension system. 4,819,959, 4-11-89, Cl. 280-660.000.

Inoue, Ichizo: *See—*

Hayashi, Kimiaki; Ozaki, Yasuhiko; Yamada, Kenji; Takenaga, Hideyuki; and Inoue, Ichizo, 4,857,543, Cl. 314-444.000.

Inoue-Japax Research Incorporated: *See—*

Inoue, Kiyoshi, 4,797,526, Cl. 219-69.00W.

Inoue, Kiyoshi, 4,822,633, Cl. 427-43.100.

Inoue, Kiyoshi, 4,846,413, Cl. 241-236.000.

Inoue, Kiyoshi, 4,866,237, Cl. 219-76.130.

Kiyoshi, Inoue, 4,803,326, Cl. 219-69.00W.

Inoue, Jun: *See—*

Terayama, Hideo; and Inoue, Jun, 4,820,837, Cl. 544-99.000.

Inoue, Junichi: *See—*

Furuya, Akihiko; Kanamaru, Kouiti; and Inoue, Junichi, 4,835,686, Cl. 364-200.000.

Inoue, Kaoru: *See—*

Itoh, Masayoshi; Miyagawa, Hiroharu; Murakami, Masami; Abe, Tomohiro; Inoue, Kaoru; and Ikeda, Keiichi, 4,808,392, Cl. 423-347.000.

Inoue, Katsuyo, to Konishiroku Photo Industry Co., Ltd. Flatness examining device. 4,859,061, 8-22-89, Cl. 356-359.000.

Inoue, Kazuaki, to Seiko Epson Corporation. Emulation device for driving a LCD with a CRT display. 4,860,246, 8-22-89, Cl. 364-900.000.

Inoue, Kazuhiko, to Teac Corporation. Lead screw/transducer aligning mechanism for disk drive apparatus. 4,809,106, 2-28-89, Cl. 360-106.000.

Inoue, Kazuhiko; and Tomisawa, Yutaka, to Kabushiki Kaisha Toshiba. GaAs plannar diode and manufacturing method therefor. 4,814,284, 3-21-89, Cl. 437-022.000.

Inoue, Kazuhiko; and Suga, Toru, to Kabushiki Kaisha Toshiba. MESFET device formed on a semi-insulative substrate. 4,868,920, 9-19-89, Cl. 357-22.000.

Inoue, Kazuhiko: *See—*

Nagao, Tadasu; Terayama, Masaya; and Inoue, Kazuhiko, 4,825,497, Cl. 15-97.00R.

Noda, Yasushi; Ashida, Takashi; Inoue, Kazuhiko; and Yokota, Kazuo, 4,833,553, Cl. 360-99.060.

Inoue, Kazuhiro: *See—*

Takamiya, Kikuzo; Mabuchi, Sadao; and Inoue, Kazuhiro, 4,838,122, Cl. 74-781.00B.

Inoue, Kazuo; Yoshikiyo, Motozo; Yoshii, Shizuka; and Okamoto, Iwao, to Ube Industries, Ltd. Vertical magnetic recording medium and method of manufacturing the same. 4,814,239, 3-21-89, Cl. 428-694.000.

Inoue, Kazuo; Kubota, Osamu; Kishi, Noriyuki; and Katoh, Atsushi, to Honda Giken Kogyo Kabushiki Kaisha. Boost pressure control method for a supercharged internal combustion engine. 4,848,086, 7-18-89, Cl. 60-602.000.

Inoue, Kazuo, to Honda Giken Kogyo Kabushiki Kaisha. Hydrostatically operated continuously variable transmission. 4,854,125, 8-8-89, Cl. 60-489.000.

Inoue, Kazuo; Nagahiro, Kenichi; Ajiki, Yoshio; and Katoh, Masaaki, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating mechanism for internal combustion engine. 4,869,214, 9-26-89, Cl. 123-90.160.

Inoue, Kazuo; Kubota, Osamu; Yano, Shunji; Tateishi, Fusao; Noda, Etsuo; Yamaguchi, Koji; and Endo, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Variable capacity turbine. 4,880,351, 11-14-89, Cl. 415-164.000.

Inoue, Kazuo: *See—*

Chikamune, Kaoru; Tokuda, Manabu; Inoue, Kazuo; Utsunomiya, Kyoshi; and Hitofude, Yoshii, 4,877,456, Cl. 106-270.000.

Inoue, Kazushige; Yamamoto, Hiroshi; Hyodo, Hiroshi; and Kishimoto, Shinichi, to Kabushiki Kaisha Kyoto Daiichi Kagaku. Method and apparatus of automatic continuous analysis using analytical implement. 4,876,204, 10-24-89, Cl. 436-46.000.

Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, to Mitsubishi Rayon Co., Ltd. Process for producing tau-butyl methacrylate. 4,824,998, 4-25-89, Cl. 560-205.000.

Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, to Mitsubishi Rayon Company, Ltd. Process for producing isobutylene. 4,873,391, 10-10-89, Cl. 585-639.000.

Inoue, Keizo; Nomura, Hiroaki; and Aono, Tetsuya, to Takeda Chemical Industries, Ltd. Nitrogen- and sulfur-containing lipid compounds their production and use. 4,845,219, 7-4-89, Cl. 544-107.000.

Inoue, Keizo; Nomura, Hiroaki; and Okutani, Tetsuya, to Takeda Chemical Industries, Ltd. Glycerol derivatives, their production and use. 4,889,953, 12-26-89, Cl. 564-293.000.

Inoue, Keizo: *See—*

Miyazaki, Kenichi; Nakamura, Katsumi; Hagiwara, Taro; and Inoue, Keizo, 4,836,600, Cl. 296-197.000.

Inoue, Kenichi; and Ohtani, Takahide, to Sony Corporation. Cassette for tape recording and/or reproducing apparatus accommodating cassettes of different sizes. 4,864,449, 9-5-89, Cl. 360-132.000.

Inoue, Kenichi: *See—*

Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; Miyake, Akira; and Norimatsu, Kohji, 4,797,321, Cl. 428-328.000.

Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; and Miyake, Akira, 4,820,565, Cl. 428-64.000.

Inoue, Kenji: *See—*

Maeno, Satoru; Inoue, Kenji; Tanaka, Masaaki; and Ogita, Akira, 4,796,054, Cl. 355-8.000.

Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.

Inoue, Kimio: *See—*

Murai, Takaaki; Watanabe, Shoji; Inoue, Kimio; Isobe, Tomohisa; Nakashima, Naoki; Miho, Takuya; and Ikemoto, Yoshiyuki, 4,835,213, Cl. 525-36.000.

Inoue, Kiyoshi, to Inoue-Japax Research Incorporated. Method for wire-cut electric discharge machining utilizing adjoining segments of a common electrode. 4,797,526, 1-10-89, Cl. 219-69.00W.

Inoue, Kiyoshi, to Inoue-Japax Research Incorporated. Auto-selective metal deposition on dielectric surfaces. 4,822,633, 4-18-89, Cl. 427-43.100.

Inoue, Kiyoshi; and Nakazato, Masakazu, to Kayaba Industry Co., Ltd. Cam plate type axial piston pump. 4,825,753, 5-2-89, Cl. 92-12.200.

Inoue, Kiyoshi, to Inoue-Japax Research Incorporated. Shredding machine. 4,846,413, 7-11-89, Cl. 241-236.000.

Inoue, Kiyoshi, to Inoue-Japax Research Inc. Method of discharge coating and an apparatus therefor. 4,866,237, 9-12-89, Cl. 219-76.130.

Inoue, Kiyoshi: *See—*

Fujiki, Hiroyuki; Michiura, Yoshiharu; and Inoue, Kiyoshi, 4,874,645, Cl. 428-31.000.

Kuriyama, Kazunori; Shintani, Yooichi; Yamaoka, Akira; Shono, Tohru; Kamada, Eiki; and Inoue, Kiyoshi, 4,858,105, Cl. 364-200.000.

Inoue, Koji: *See—*

Akao, Mutsuo; Osanai, Hiroyuki; and Inoue, Koji, 4,876,125, Cl. 428-35.200.

Inoue, Kotaro: *See—*

Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.

Inoue, Kyoichi: *See—*

Murakami, Shoji; Koide, Kiichiro; Inoue, Kyoichi; Hirasuna, Satoshi; and Osada, Toshihiko, 4,831,466, Cl. 360-67.000.

Inoue, Makoto: *See—*

Iizuka, Yasuhiro; Inoue, Makoto; and Mitomi, Takeshi, 4,828,666, Cl. 204-255.000.

Nakamura, Shizuo; Inoue, Makoto; Inai, Masatoshi; and Tsuda, Yoshiaki, 4,886,813, Cl. 514-326.000.

Inoue, Mamoru: *See—*

Manabe, Seiichi; Iwata, Michitaka; and Inoue, Mamoru, 4,822,540, Cl. 264-41.000.

Ueda, Shuji; Nakata, Kunio; Inoue, Mamoru; and Fujino, Kazuhiko, 4,829,716, Cl. 51-134.000.

Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,829,333, 5-9-89, Cl. 354-412.000.

Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,884,092, 11-28-89, Cl. 354-289.100.

Inoue, Manabu; Taniguchi, Nobuyaki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,887,115, 12-12-89, Cl. 354-289.100.

Inoue, Manabu: *See—*

Hata, Yoshiaki; Taniguchi, Nobuyuki; Hoda, Takeo; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,860,039, Cl. 354-106.000.

Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihiko; Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masataka, 4,847,651, Cl. 354-471.000.

Kamitani, Masatoshi; Inoue, Manabu; Nakanishi, Motohiro; Ootsuka, Hiroshi; Kudo, Yoshinobu; and Hata, Yoshiaki, 4,806,961, Cl. 354-195.100.

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,811,118, Cl. 358-311.000.

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,873,580, Cl. 358-335.000.

Nakamura, Ikushi; Ootsuka, Hiroshi; Fukushima, Akira; Kudo, Yoshinobu; Hata, Yoshiaki; Inoue, Manabu; and Inoue, Norihiro, 4,887,107, Cl. 354-195.120.

Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishino, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.

Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishino, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.

Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishino, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.

Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishino, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.

Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,812,871, Cl. 354-421.000.

Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,814,804, Cl. 354-202.000.

Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,843,418, Cl. 354-419.000.

Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,847,646, Cl. 354-106.000.

Taniguchi, Nobuyuki; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; Hoda, Takeo; and Ueda, Hiroshi, 4,862,201, Cl. 354-105.000.

Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,868,589, Cl. 354-127.100.

Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,884,089, Cl. 354-222.000.

Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,108, Cl. 354-195.100.

Yunoki, Yutaka; Inoue, Manabu; and Watanabe, Hiroyuki, 4,862,304, Cl. 360-121.000.

Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Support for biomedical implant device. 4,798,585, 1-17-89, Cl. 604-93.000.

Inoue, Masahiko: *See—*

Azuma, Kazuo; and Inoue, Masahiko, 4,843,206, Cl. 219-119.000.

Inoue, Masahiro: *See—*

Menjo, Takeshi; Inoue, Masahiro; and Amemiya, Koji, 4,883,019, Cl. 118-691.000.

Inoue, Masakazu, to Inoue Seisakusho (Mfg) Co., Ltd. Dispersing and grinding apparatus having removable mounting structure. 4,813,623, 3-21-89, Cl. 241-171.000.

Inoue, Masakazu: *See—*

Tatsukami, Yoshiharu; Inoue, Masakazu; Asai, Kuniaki; and Hieda, Kazuo, 4,843,113, Cl. 524-425.000.

Inoue, Masami: *See—*

Hagimoto, Hakumi; Kashima, Yutaka; Kondo, Norio; and Inoue, Masami, 4,797,031, Cl. 405-133.000.

Inoue, Masanobu: *See—*

Mihara, Makoto; Inoue, Masanobu; Ohji, Kenzo; and Itou, Shuji, 4,875,533, Cl. 177-144.000.

Inoue, Masanori: *See—*

Doi, Hiroshi; and Inoue, Masanori, 4,839,345, Cl. 514-21.000.

Inoue, Masaru: *See—*

Iwaoka, Toshio; and Inoue, Masaru, 4,858,060, Cl. 361-185.000.

Ogawa, Souichi; Sugioka, Takao; and Inoue, Masaru, 4,828,931, Cl. 428-596.000.

Inoue, Masashi; Satoh, Hiroshi; and Tamamoto, Hideo, to Hitachi, Ltd. Bankbook issuing apparatus. 4,850,510, 7-25-89, Cl. 221-131.000.

Inoue, Masatsugu; Tokita, Kiyoshi; Sone, Toshinao; Fujiwara, Takeshi; and Nakane, Kazunori, to Kabushiki Kaisha Toshiba. Color cathode ray tube. 4,881,004, 11-14-89, Cl. 313-408.000.

Inoue, Masatsugu; Tokita, Kiyoshi; and Nakane, Kazunori, to Kabushiki Kaisha Toshiba. Color picture tube with shadow mask support assembly. 4,886,997, 12-12-89, Cl. 313-406.000.

Inoue, Masayuki: *See—*

Langsetmo, Peder K.; Inoue, Masayuki; Douglas, Robert A.; Koenig, Peter M.; and Halasz, Alex, 4,810,099, Cl. 366-168.000.

Inoue, Masuo: *See—*

Murai, Atsushi; Terano, Minoru; Kimura, Kohei; and Inoue, Masuo, 4,839,321, Cl. 502-127.000.

Murai, Atsushi; Terano, Minoru; Kimura, Kohei; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,847,227, Cl. 502-127.000.

Terano, Minoru; Murai, Atsushi; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,816,433, Cl. 502-127.000.

Inoue, Michihiro; and Yamada, Toshio, to Matsushita Electric Industrial Co., Ltd. Dynamic random access memory having open bit line architecture. 4,888,732, 12-19-89, Cl. 365-51.000.

Inoue, Michihiro: *See—*

Yamada, Toshio; and Inoue, Michihiro, 4,807,194, Cl. 365-207.000.

Inoue, Minoru, to Fujitsu Limited. Method for controlling substrate temperature in a high temperature sputtering process. 4,810,342, 3-7-89, Cl. 204-192.170.

Inoue, Mitsuo: *See—*

Wakata, Hitoshi; Inoue, Mitsuo; Sato, Yukio; Haruta, Kenyu; and Nagai, Haruhiko, 4,837,773, Cl. 372-86.000.

Inoue, Morio: *See—*

Kawanabe, Takao; Inoue, Morio; and Hongo, Mikio, 4,795,720, Cl. 437-52.000.

Inoue MTP Kabushiki Kaisha: *See—*

Fujita, Naoshi; Oe, Motoaki; Yoshida, Hitoshi; Takeuchi, Yukihisa; and Ueda, Naoki, 4,816,332, Cl. 428-304.400.

Okino, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranishi, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, 4,871,612, Cl. 428-269.000.

Takeuchi, Shin; Eto, Isamu; and Yamada, Taketoshi, 4,824,617, Cl. 264-26.000.

Inoue MTP Kabushiki Kaisya: *See—*

Shinomura, Toshihiko, 4,824,871, Cl. 521-53.000.

Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, to Fuji Xerox Co., Ltd. Thermal-electrostatic ink jet recording apparatus. 4,841,312, 6-20-89, Cl. 346-160.00R.

Inoue, Nanao: *See—*

Saito, Koichi; Akutsu, Eiichi; Fujimura, Yoshihiko; and Inoue, Nanao, 4,799,068, Cl. 346-1.100.

Saito, Koichi; Fujimura, Yoshihiko; and Inoue, Nanao, 4,881,089, Cl. 346-140.00R.

Inoue, Naohiko: *See—*

Ito, Ken; and Inoue, Naohiko, 4,834,204, Cl. 180-140.000.

Inoue, Noboru, to Inoue, Noboru; and Itoki Co., Ltd. Interlocking cushioning mechanism for supporting seat portion and backrest of chair in integral fashion. 4,830,431, 5-16-89, Cl. 297-300.000.

Inoue, Nobuaki; and Sasaoka, Senzo, to Fuji Photo Film Co., Ltd. Silver halide photographic material and method for forming an ultrahigh contrast negative image therewith. 4,824,774, 4-25-89, Cl. 430-566.000.

Inoue, Nobuaki; Sasaoka, Senzo; and Hayashi, Hiroshi, to Fuji Photo Film Co., Ltd. Silver halide photographic light-sensitive material and method of forming super-high contrast negative image using the photographic material. 4,849,319, 7-18-89, Cl. 430-264.000.

Inoue, Nobuaki, to Isuzu Motors Limited. Shiftlever mechanism for an automatic transmission. 4,850,238, 7-25-89, Cl. 74-473.00R.

Inoue, Nobuaki: *See—*

Inagaki, Yoshio; and Inoue, Nobuaki, 4,824,764, Cl. 430-264.000.

Saeki, Naomi; Inoue, Nobuaki; Ukai, Toshinao; and Mihara, Yuji, 4,820,625, Cl. 430-596.000.

Sasaoka, Senzo; Inoue, Nobuaki; and Okutsu, Eiichi, 4,839,259, Cl. 430-264.000.

Sasaoka, Senzo; Yoshida, Tetsuo; and Inoue, Nobuaki, 4,873,173, Cl. 430-964.000.

Inoue, Nobuhiro: *See—*

Fushiya, Fusao; Inoue, Nobuhiro; and Tsuge, Kazunori, 4,805,504, Cl. 83-397.000.

Inoue, Nobuyuki; Takahashi, Katsumi; and Imaizumi, Nobuo, to Namiki Precision Jewel Co., Ltd. Method for manufacturing permanent magnets. 4,801,340, 1-31-89, Cl. 148-103.000.

Inoue, Nobuyuki: *See—*

Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.

Inoue, Noriaki: *See—*

Nishimoto, Shigeto; Fujimoto, Yoshiki; Inoue, Noriaki; and Harada, Shunji, 4,884,449, Cl. 73-660.000.

Inoue, Norihiro: *See—*

Nakamura, Ikushi; Ootsuka, Hiroshi; Fukushima, Akira; Kudo, Yoshinobu; Hata, Yoshiaki; Inoue, Manabu; and Inoue, Norihiro, 4,887,107, Cl. 354-195.120.

Inoue, Noriyuki; and Heki, Tatsuo, to Fuji Photo Film Co., Ltd. Direct positive color light-sensitive material comprising a DIR coupler and a pyrazoloazole coupler, and a process for forming a direct positive image. 4,801,520, 1-31-89, Cl. 430-378.000.

Inoue, Noriyuki; Idota, Yoshio; and Yagihara, Morio, to Fuji Photo Film Co., Ltd. Method to form image for silver salt diffusion transfer using fogging agent. 4,803,146, 2-7-89, Cl. 430-248.000.

Inoue, Noriyuki; Heki, Tatsuo; and Hirano, Shigeo, to Fuji Photo Film Co., Ltd. Process for forming a direct positive image. 4,835,091, 5-30-89, Cl. 430-378.000.

Inoue, Noriyuki; Heki, Tatsuo; and Kojima, Tetsuro, to Fuji Photo Film Co., Ltd. Process for forming direct-positive image. 4,871,653, 10-3-89, Cl. 430-409.000.

Inoue, Noriyuki; and Heki, Tatsuo, to Fuji Photo Film Co., Ltd. Direct positive photographic material. 4,880,727, 11-14-89, Cl. 430-378.000.

Inoue, Noriyuki: *See—*

Heki, Tatsuo; and Inoue, Noriyuki, 4,816,290, Cl. 427-430.100.

Heki, Tatsuo; and Inoue, Noriyuki, 4,863,839, Cl. 430-378.000.

Heki, Tatsuo; Inoue, Noriyuki; and Hirano, Shigeo, 4,880,729, Cl. 430-410.000.

Hirano, Shigeo; Kojima, Tetsuro; Yamamoto, Mitsuru; Inoue, Noriyuki; and Heki, Tatsuo, 4,859,579, Cl. 430-598.000.

Hirano, Shigeo; Inoue, Noriyuki; and Heki, Tatsuo, 4,877,723, Cl. 430-598.000.

Inoue, Osamu, to Mitsubishi Denki Kabushiki Kaisha. Charge grounding hinge mechanism. 4,847,711, 7-11-89, Cl. 360-96.500.

Inoue, Osamu; and Kawashima, Syunichiro, to Matsushita Electric Industrial Co., Ltd. Method for producing crystalline complex perovskite compounds. 4,853,199, 8-1-89, Cl. 423-594.000.

Inoue, Osamu: *See—*

Goto, Hisashi; and Inoue, Osamu, 4,830,077, Cl. 152-209.00A.

Nagura, Osamu; Inoue, Osamu; Kamikuri, Yoshimasa; and Takizuka, Norikazu, 4,839,406, Cl. 524-196.000.

Ono, Michio; Kubota, Akihiro; Aoki, Tsuyoshi; Inoue, Osamu; and Sugiura, Rikio, 4,801,997, Cl. 357-70.000.

Sato, Tetsuhiko; and Inoue, Osamu, 4,794,969, Cl. 152-545.000.

Yoshida, Shingo; Akatsuka, Takahisa; Inoue, Osamu; and Toyama, Jiro, 4,849,133, Cl. 252-511.000.

Inoue, Ryo: *See—*

Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, 4,851,153, Cl. 252-519.000.

Inoue, Ryuichi, to NEC Corporation. Apparatus for controlling the writing of data in disk sectors. 4,839,878, 6-13-89, Cl. 369-54.000.

Inoue, Ryuzaburou, to Nissan Motor Co., Ltd. Oil degradation warning system. 4,796,204, 1-3-89, Cl. 364-550.000.

- Inoue, Saburo: *See—*
  - Nakayama, Takeo: Inoue, Saburo; and Sakamoto, Takurou, 4,797,449, Cl. 525-217.000.
- Inoue, Sadahiro: *See—*
  - Tabayashi, Isao; Harada, Hiroshi; Inoue, Sadahiro; and Fukutomi, Hiroshi, 4,878,946, Cl. 106-27.000.
- Inoue, Saihachi; Kiriyama, Shigeru; and Imada, Kazuhiro, to Inax Corporation; and I-N Technical Lab. Ltd. Process for making porous resin and molded product containing continuous holes. 4,818,453, 4-4-89, Cl. 264-41.000.
- Inoue, Satomi: *See—*
  - Ueno, Ryuzo; Katsura, Shinichi; Uchiyama, Yoshirou; and Inoue, Satomi, 4,855,482, Cl. 560-56.000.
- Inoue, Satoru; and Higashizima, Kozo, to NGK Insulators, Ltd. Honeycomb structural body-extruding die apparatus. 4,814,187, 3-21-89, Cl. 425-464.000.
- Inoue, Satoru; and Futamura, Shoji, to NGK Insulators, Ltd.; and Institute of Technology Precision Electrical Discharge Works. Super hard alloy dies for extruding honeycomb structures. 4,820,146, 4-11-89, Cl. 425-461.000.
- Inoue, Satoru; and Matsui, Akio, to Ricoh Co., Ltd. Positively chargeable toners for use in dry type electrophotography comprising a blue dye lake charge control agent. 4,822,707, 4-18-89, Cl. 430-106.000.
- Inoue, Satoru; and Futamura, Shoji, to NGK Insulators, Ltd.; and Institute of Technology Precision Electrical Discharge Works. Dies for extruding honeycomb structure. 4,830,598, 5-16-89, Cl. 425-463.000.
- Inoue, Satoru; and Watanabe, Mitsuaki, to NGK Insulators, Ltd. Extrusion-forming jig. 4,834,640, 5-30-89, Cl. 425-464.000.
- Inoue, Satoru; and Futamura, Shoji, to NGK Insulators, Ltd.; and Seimitsu, Hoden. Method for producing dies for extruding honeycomb structures. 4,875,264, 10-24-89, Cl. 29-163.600.
- Inoue, Satoru: *See—*
  - Chiba, Shunichi; and Inoue, Satoru, 4,826,747, Cl. 430-54.000.
  - Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanamitsu, Yuzuru; and Inoue, Satoru, 4,868,178, Cl. 514-241.000.
  - Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanemitsu, Yuzuru; and Inoue, Satoru, 4,873,248, Cl. 514-269.000.
  - Ozaki, Sei; Inoue, Satoru; and Futamura, Shoji, 4,883,420, Cl. 425-464.000.
- Inoue, Satoshi: *See—*
  - Takasugi, Naoyuki; Ushijima, Mitsuyasu; Inoue, Satoshi; and Hirata, Terukage, 4,816,481, Cl. 514-470.000.
- Inoue, Seiji: *See—*
  - Kawamura, Minoru; and Inoue, Seiji, 4,817,466, Cl. 74-858.000.
  - Nakase, Ryoichi; Nanami, Masayoshi; and Inoue, Seiji, 4,813,898, Cl. 440-111.000.
  - Nakase, Ryoichi; and Inoue, Seiji, 4,850,908, Cl. 440-39.000.
  - Outani, Hiroaki; and Inoue, Seiji, 4,887,692, Cl. 181-235.000.
  - Tsunamoto, Kanichi; and Inoue, Seiji, 4,871,996, Cl. 340-521.000.
- Inoue, Seijiro; Ohta, Shigenori; and Egi, Makoto, to Kyowa Hakko Kogyo Co., Ltd. Dough improver. 4,847,108, 7-11-89, Cl. 426-653.000.
- Inoue Seisakusho (Mfg) Co., Ltd.: *See—*
  - Inoue, Masakazu, 4,813,623, Cl. 241-171.000.
  - Kamiwano, Mitsuo; and Inoue, Yoshitaka, 4,856,717, Cl. 241-65.000.
- Inoue, Seizaburo; and Ryans, Glenn D., to Bridgestone Corporation; and Bridgestone (U.S.A.), Inc. Apparatus for booking an elastomer article. 4,822,236, 4-18-89, Cl. 414-591.000.
- Inoue, Senya; and Ono, Akira, to Kanto Kagaku Kabushiki Kaisha. Calcium-phosphorus-apatite having novel properties and process for preparing the same. 4,836,994, 6-6-89, Cl. 423-308.000.
- Inoue, Senya; Ono, Akira; Kobayashi, Mikio; and Yokoo, Hiroshi, to Kanto Kagaku Kabushiki Kaisha. Porous cordierite ceramics. 4,871,693, 10-3-89, Cl. 501-9.000.
- Inoue, Shigetoshi: *See—*
  - Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, 4,863,552, Cl. 156-583.100.
- Inoue, Shin-ichi: *See—*
  - Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.
- Inoue, Shinichi; and Hayashi, Junichi, to Yamato Scale Company, Limited. Counterbalanced weighing apparatus. 4,815,548, 3-28-89, Cl. 177-187.000.
- Inoue, Shinichi; and Toyoda, Yoshiharu, to Yamato Scale Company, Limited. Device and method for filtering weight indicative signal from weighing device. 4,817,026, 3-28-89, Cl. 364-724.010.
- Inoue, Shinichi; and Yamashita, Shinji, to Yamato Scale Company, Limited. Weighing apparatus and method. 4,825,965, 5-2-89, Cl. 177-25.140.
- Inoue, Shinichi; and Yamanaka, Masami, to Yamato Scale Company, Limited. Force measuring device. 4,858,145, 8-15-89, Cl. 364-506.000.
- Inoue, Shoichi: *See—*
  - Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; and Yamamoto, Chuji, 4,846,925, Cl. 156-583.100.
  - Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, 4,863,552, Cl. 156-583.100.
- Inoue, Shoji: *See—*
  - Nakako, Takefumi; Inoue, Shoji; and Takezoe, Akinobu, 4,796,797, Cl. 228-144.000.
- Inoue, Shoko: *See—*
  - Nishimura, Tetsuhiko; Basu, Swapan K.; Chida, Yukio; Ogura, Yasuo; and Inoue, Shoko, 4,882,078, Cl. 252-629.000.
- Inoue, Shuji: *See—*
  - Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.
- Inoue, Tadashi; Ohkoba, Akira; Sakashita, Kunio; Utsunomiya, Akira; Shinozaki, Takeki; and Ieda, Minoru, to Mitsui Toatsu Chemicals, Inc. Process for the production of highly concentrated phosphoric acid. 4,797,265, 1-10-89, Cl. 423-320.000.
- Inoue, Tadashi: *See—*
  - Yamaoka, Masayoshi; Tsutsui, Kiyomi; Inoue, Tadashi; and Takahashi, Toyoki, 4,888,993, Cl. 73-760.000.
- Inoue, Tadasu: *See—*
  - Hotta, Masahiro; and Inoue, Tadasu, 4,822,684, Cl. 428-426.000.
- Inoue, Tai; Sugita, Masaya; and Okamoto, Keiji, to Yazaki Corporation. Indicating instrument for automotive vehicle. 4,878,453, 11-7-89, Cl. 116-288.000.
- Inoue, Taisei: *See—*
  - Shimizu, Shin; Tanaka, Tsugane; Ohara, Osamu; and Inoue, Taisei, 4,818,321, Cl. 156-254.000.
- Inoue, Takahiro: *See—*
  - Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, 4,814,886, Cl. 358-293.000.
  - Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Iichiro; Kato, Motoi; Ohzeki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, 4,864,419, Cl. 358-300.000.
- Inoue, Takanori: *See—*
  - Hara, Kazuya; Inoue, Takanori; and Bito, Hiroyasu, 4,876,441, Cl. 235-488.000.
- Inoue, Takao; Saeki, Keiji; Matsuda, Chuichi; and Murakami, Schuichi, to Matsushita Electric Industrial Co., Ltd. Process and apparatus for soldering printed circuit boards. 4,824,010, 4-25-89, Cl. 228-180.200.
- Inoue, Takao; and Suetsugu, Kenichiro, to Matsushita Electric Industrial Co., Ltd. Multiple fluid mixing apparatus. 4,834,545, 5-30-89, Cl. 366-138.000.
- Inoue, Takashi; Sunada, Masazi; Okamoto, Motohide; Kariya, Masayoshi; and Inoh, Tadashi, to Nippon Petrochemicals Company, Limited. Flame-retardant olefin polymer composition. 4,845,146, 7-4-89, Cl. 524-436.000.
- Inoue, Takashi: *See—*
  - Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,581, Cl. 428-412.000.
  - Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,755, Cl. 525-285.000.
  - Kawabata, Akira; Terasaki, Yoshikazu; Inoue, Takashi; and Takita, Hidenori, 4,876,479, Cl. 313-440.000.
  - Nishikawa, Toshihide; and Inoue, Takashi, 4,827,885, Cl. 123-339.000.
  - Orikasa, Yuichi; Kojima, Shinji; Inoue, Takashi; Sato, Atsushi; Kawakami, Shigenobu; and Yamamoto, Kaoru, 4,804,729, Cl. 526-336.000.
  - Shimazu, Hideaki; Ito, Hiroshi; and Yamakoshi, Kenichi, 4,875,488, Cl. 128-694.000.
- Inoue, Takayoshi: *See—*
  - Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.000.
- Inoue, Takayuki: *See—*
  - Kobayashi, Yoshinobu; Itou, Tosio; and Inoue, Takayuki, 4,879,360, Cl. 525-396.000.
- Inoue, Takayuki, Kazuko Inoue, heirs: *See—*
  - Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.
- Inoue, Takemi; and Yokoshima, Ichiro, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. Laser power and energy meter. 4,865,446, 9-12-89, Cl. 356-216.000.
- Inoue, Takeo, to Fuji Jukogyo Kabushiki Kaisha. Differential for a motor vehicle. 4,882,949, 11-28-89, Cl. 74-714.000.
- Inoue, Takeshi; and Konno, Masashi, to NEC Corporation. Non-directional ultrasonic transducer. 4,823,041, 4-18-89, Cl. 310-322.000.
- Inoue, Takeshi; Funabashi, Hiroshi; and Nakagawa, Yukihiro, to Honda Giken Kogyo Kabushiki Kaisha; and Nakagawa Sangyo Co., Ltd. Exhaust muffler. 4,880,078, 11-14-89, Cl. 181-232.000.
- Inoue, Takeshi: *See—*
  - Kamiya, Tetsuro; Inoue, Takeshi; Yorozu, Hidenori; Eguchi, Yasuteru; and Tsujii, Kaoru, 4,859,696, Cl. 514-420.000.
  - Yamaguchi, Takashi; Inoue, Takeshi; and Saito, Masashi, 4,843,046, Cl. 501-136.000.
- Inoue, Taketoshi, to NEC Corporation. Pulse counter type demodulator. 4,887,044, 12-12-89, Cl. 329-300.000.
- Inoue, Tatsuo, to NEC Corporation. Multilayer wiring substrate. 4,816,323, 3-28-89, Cl. 428-200.000.
- Inoue, Teruaki: *See—*
  - Kurata, Yukio; Sato, Hideaki; Nakata, Yasuo; Ogata, Nobuo; and Inoue, Teruaki, 4,849,825, Cl. 358-296.000.

- Inoue, Teruaki, deceased: *See—*
  - Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.
- Inoue, Tetsuzo: *See—*
  - Kawabata, Susumu; Inoue, Tetsuzo; and Niimi, Hiroshi, 4,879,873, Cl. 57-413.000.
- Inoue, Tohoru: *See—*
  - Sugiyama, Kazuhiro; Onishi, Ken; and Inoue, Tohoru, 4,829,525, Cl. 371-38.000.
- Inoue, Tohru: *See—*
  - Yoshida, Hideo; Inoue, Tohru; Yamagishi, Atsuhiro; Oda, Yoshiaki; Ozaki, Minoru; and Nishijima, Toshihisa, 4,841,300, Cl. 341-94.000.
- Inoue, Tokuta: *See—*
  - Chujo, Yoshiki; Inoue, Tokuta; Konomi, Toshiaki; and Hyodo, Yoshihiko, 4,836,174, Cl. 123-571.000.
- Inoue, Tokuyasu: *See—*
  - Murata, Mitshiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,853,750, Cl. 355-75.000.
  - Murata, Mitsuhiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,844,445, Cl. 271-275.000.
- Inoue, Tomohiro: *See—*
  - Tsugei, Shinji; Iguchi, Shigeki; and Inoue, Tomohiro, 4,890,258, Cl. 364-900.000.
  - Washizuka, Isamu; Tsugei, Shinji; and Inoue, Tomohiro, 4,858,125, Cl. 364-413.010.
- Inoue, Tomoyuki: *See—*
  - Shimizu, Takeo; Kaneko, Takehira; Inoue, Tomoyuki; and Takahashi, Hiroshi, 4,816,536, Cl. 526-258.000.
- Inoue, Toru: *See—*
  - Taniguchi, Nobuyuki; Nakai, Masaaki; Omaki, Takanobu; Hosomizu, Hiroshi; Niwa, Masatake; Inoue, Toru; and Sekida, Minoru, 4,839,687, Cl. 354-416.000.
- Inoue, Toshihide; Okamoto, Masaru; and Yamanaka, Toru, to Director General, Agency of Industrial Science and Technology. Multi-layer molded article and process for producing same. 4,869,967, 9-26-89, Cl. 428-480.000.
- Inoue, Toshinobu; and Itami, Tsugio, to Kabushiki Kaisha Toshiba. Two-cylinder rotary compressor and method for manufacturing the same. 4,826,408, 5-2-89, Cl. 418-60.000.
- Inoue, Yasuaki; Minakuchi, Kimihide; and Tabuchi, Norio, to Sanyo Electric Co., Ltd. Semiconductor laser device. 4,847,848, 7-11-89, Cl. 372-50.000.
- Inoue, Yasuhiko; Matsuda, Masaaki; and Akiyoshi, Yoshirou, to Sumitomo Chemical Company, Limited. Recovery of metals adsorbed on chelating agents. 4,797,264, 1-10-89, Cl. 423-7.000.
- Inoue, Yasuhiko, to Nifco, Inc. Damper device for a door having dual-direction operating biasing spring means. 4,828,236, 5-9-89, Cl. 267-182.000.
- Inoue, Yasuhiko: *See—*
  - Miyazaki, Wasei; and Inoue, Yasuhiko, 4,873,261, Cl. 514-462.000.
- Inoue, Yasuhiro: *See—*
  - Maeda, Yoshiyasu; Inoue, Yasuhiro; Uno, Toshiyuki; and Suzuki, Kazuyoshi, 4,888,945, Cl. 57-264.000.
- Inoue, Yasukazu, to NEC Corporation. Semiconductor memory device. 4,845,539, 7-4-89, Cl. 357-23.600.
- Inoue, Yasukazu: *See—*
  - Hirakawa, Noboru; and Inoue, Yasukazu, 4,878,105, Cl. 357-59.000.
- Inoue, Yasunori; and Hanafusa, Hiroshi, to Agency of Industrial Science and Technology. Method of forming single crystalline magnesia spinel film. 4,882,300, 11-21-89, Cl. 437-236.000.
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- Inoue, Yasuo; and Yamada, Yasuhiro, to Victor Company of Japan Ltd. Parity signal generating circuit. 4,809,275, 2-28-89, Cl. 371-37.000.
- Inoue, Yasuo, to Mitsubishi Denki Kabushiki Kaisha. Stress evaluation apparatus. 4,812,036, 3-14-89, Cl. 356-32.000.
- Inoue, Yasuo, to Mitsubishi Denki Kabushiki Kaisha. Method for forming SOI film. 4,874,718, 10-17-89, Cl. 437-62.000.
- Inoue, Yasuo: *See—*
  - Hikawa, Kazuo; and Inoue, Yasuo, 4,870,647, Cl. 371-49.100.
  - Ishizu, Akira; Nishimura, Tadashi; and Inoue, Yasuo, 4,822,751, Cl. 437-173.000.
  - Nishimura, Tadashi; Inoue, Yasuo; Sugahara, Kazuyuki; and Kusunoki, Shigeru, 4,861,418, Cl. 156-620.720.
  - Ono, Tsuyoshi; Yamada, Yasuhiro; Hikawa, Kazuo; Hayami, Atsushi; Inoue, Yasuo; and Ono, Fumiaki, 4,811,128, Cl. 360-73.120.
  - Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, 4,822,752, Cl. 437-174.000.
  - Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, 4,870,031, Cl. 437-82.000.
  - Ueno, Shoji; Yamada, Yasuhiro; and Inoue, Yasuo, 4,835,629, Cl. 360-53.000.
- Inoue, Yoichi: *See—*
  - Kasano, Akira; and Inoue, Yoichi, 4,837,616, Cl. 358-107.000.
  - Nakajima, Yasuyoshi; Umezawa, Takao; Momiyama, Takashi; and Inoue, Yoichi, 4,865,794, Cl. 264-278.000.
- Inoue, Yoshiaki, to Mitsubishi Gas Chemical Company, Inc. Deoxidizer parcel. 4,856,649, 8-15-89, Cl. 206-204.000.
- Inoue, Yoshiaki, to Mitsubishi Gas Chemical Co., Inc. Oxygen absorbent package. 4,856,650, 8-15-89, Cl. 206-204.000.
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- Inoue, Yoshiaki: *See—*
  - Koizumi, Tadashi; Yokota, Seiji; Matsumura, Shigeo; and Inoue, Yoshiaki, 4,881,722, Cl. 266-176.000.
  - Okochi, Kastuhiko; Toya, Mitsuo; Naito, Masahito; Inoue, Yoshiaki; and Egusa, Takahiro, 4,812,997, Cl. 364-505.000.
  - Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, 4,872,730, Cl. 303-92.000.
- Inoue, Yoshihiro: *See—*
  - Hibino, Toshiro; and Inoue, Yoshihiro, 4,844,465, Cl. 273-148.00B.
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- Inoue, Yoshihisa: *See—*
  - Ashimori, Atsuyuki; Ono, Taizo; Inoue, Yoshihisa; Fukaya, Chikara; and Yokoyama, Kazumasa, 4,886,819, Cl. 514-356.000.
- Inoue, Yoshimasa: *See—*
  - Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,808,584, Cl. 514-229.500.
  - Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,853,469, Cl. 544-99.000.
  - Takahashi, Yasuhito; Sakai, Shigeru; and Inoue, Yoshimasa, 4,845,068, Cl. 502-168.000.
- Inoue, Yoshimichi: *See—*
  - Uyama, Shintaro; Ohta, Ryuji; and Inoue, Yoshimichi, 4,846,047, Cl. 91-369.400.
- Inoue, Yoshinobu, to Sharp Kabushiki Kaisha. Image printing machine. 4,866,537, 9-12-89, Cl. 358-296.000.
- Inoue, Yoshinori: *See—*
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Kaneda, Setsuo; and Yoshida, Yashutoshi, 4,796,439, Cl. 62-159.000.
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, 4,843,832, Cl. 62-159.000.
- Inoue, Yoshio; and Yaginuma, Atsushi, to Shin-Etsu Chemical Co., Ltd. Curable and foamable organopolysiloxane composition. 4,801,622, 1-31-89, Cl. 521-134.000.
- Inoue, Yoshio; and Furuta, Haruo, to Fuji Xerox Co., Ltd. Toner cartridge. 4,834,246, 5-30-89, Cl. 206-631.000.
- Inoue, Yoshitaka: *See—*
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- Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, to Fujitsu Limited; Kokusai Denshin Denwa Co., Ltd.; and NEC Corporation. Power feed system in transmission line between terminals of three-terminal station. 4,798,969, 1-17-89, Cl. 307-112.000.
- Inoue, Yuichi: *See—*
  - Horiuchi, Tetsuo; and Inoue, Yuichi, 4,880,416, Cl. 604-307.000.
- Inoue, Yukihiro: *See—*
  - Washizuka, Isamu; Inoue, Yukihiro; and Okajima, Yoshio, 4,875,036, Cl. 340-784.000.
- Inoue, Yukio: *See—*
  - Kimura, Haruyoshi; Hiraiwa, Yoshitaka; Shiokawa, Hiroyuki; Nagata, Hiroshi; and Inoue, Yukio, 4,867,932, Cl. 264-29.100.
  - Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
- Inoue, Yutaka: *See—*
  - Inoue, Hiroshi; Omata, Satoshi; Osada, Yoshiyuki; Inoue, Yutaka; Yamakawa, Tadashi; and Satomura, Hiroshi, 4,884,079, Cl. 346-1.100.
- Inoue, Yuuzaburo: *See—*
  - Takagi, Kusuo; and Inoue, Yuuzaburo, 4,835,497, Cl. 333-177.000.
- Inouye, Kenneth K.: *See—*
  - Giebeler, Robert H.; and Inouye, Kenneth K., 4,846,773, Cl. 494-82.000.
- Inouye, Masayori; Nakamura, Kenzo; and Masui, Yoshihiro, to Research Foundation of State University of New York, The. Novel cloning vehicles for polypeptide expression in microbial hosts. 4,863,855, 9-5-89, Cl. 435-68.000.
- Inouye, Mutsuhiro: *See—*
  - Nanamura, Masanori; Hosaka, Masao; and Inouye, Mutsuhiro, 4,888,616, Cl. 355-202.000.
- Inouye, Yoshinori; Osawa, Yoshihiko; and Ueda, Minoru, to Toray Industries, Inc. Printing press and control method of plate feeding operation. 4,858,528, 8-22-89, Cl. 101-175.000.
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  - Sasaki, Masateru; and Inouye, Yuji, 4,831,611, Cl. 369-58.000.
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  - Tilse, Wilhelm, 4,842,545, Cl. 439-393.000.
  - Weik, Gunter, 4,822,641, Cl. 427-250.000.
- Inovan GmbH & Co. KG. Metalle und Bauelemente: *See—*
  - Tilse, Wilhelm, 4,871,227, Cl. 350-96.210.
- Inpal Co., Ltd.: *See—*
  - Horikoshi, Kuniaki; Kimura, Mikio; Sone Mototaka; and Yamazaki, Kunikatsu, 4,832,918, Cl. 422-186.180.
- Input/Output, Inc.: *See—*
  - Carroll, Paul E.; James, Roy W., III; Bowen, Charles K.; and Smith, Gillan C., 4,875,166, Cl. 364-421.000.

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Institut National de la Recherche Agronomique: *See—*
Brule, Gerard; Roger, Loic; Fauquant, Jacques; and Piot, Michel, 4,816,398, Cl. 435-69.000.
Buswell, John A.; and Odier, Etienne, 4,889,807, Cl. 435-192.000.
Institut National de la Recherche Scientifique: *See—*
Dubois, Eric; and Faubert, Pierre, 4,829,367, Cl. 358-31.000.
Institut National de la Sante et de la Recherche Medicale: *See—*
Bisconte, Jean-Claude, 4,800,164, Cl. 435-300.000.
Lacruche, Bernard; Mestas, Jean-Louis; and Cathignol, Dominique, 4,866,330, Cl. 313-146.000.
Sansonetti, Philippe; Boileau, Catherine; and D'Hauteville, Helene, 4,816,389, Cl. 435-6.000.
Tchen, Paul; Desplaces, Nicole; Grimont, Patrick; and Grimont, Francine (maiden name Besse), 4,810,644, Cl. 435-91.000.
Wagnon, Jean; Guegan, Remy; LaCour, Colette; and Nisato, Dino, 4,840,935, Cl. 514-18.000.
Institut National de Recherche Chimique Appliquee: *See—*
Aptel, Philippe; and Espenan, Jean-Michel, 4,882,223, Cl. 428-398.000.
Dick, Richard; Moulin, Guy; and Galzy, Pierre, 4,806,366, Cl. 426-15.000.
Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime ; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.
Lebon, Marc; Prevost, Michele; Jdid, El A.; and Blazy, Pierre, 4,844,873, Cl. 423-12.000.
Morel, Emile M. J.; and Richert, Gabriel M., 4,828,776, Cl. 264-136.000.
Institut National de Recherche sur les Transports et Leur Secutite: *See—*
Beucher, Serge; Blosseville, Jean-Marc; and Lenoir, Francois, 4,839,648, Cl. 340-933.000.
Institut of Engineering Thermophysics of Chinese Academy of Sciences: *See—*
Diankui, Liu; Benyuan, He; and Yongqiang, Cui, 4,865,519, Cl. 415-210.100.
Institut Pasteur: *See—*
Hofnung, Maurice; Quillardet, Philippe; Perrin, David; Huisman, Olivier; and D'Ari, Richard, 4,849,335, Cl. 435-6.000.
Huynh-Dinh, Tam; and Igolen, Jean, 4,842,996, Cl. 435-6.000.
Huynh Dinh, Tam; Gouyette, Catherine; and Igolen, Jean, 4,845,205, Cl. 536-28.000.
Montagnier, Luc; Chamaret, Solange; and Gruest, Jacqueline, 4,798,797, Cl. 435-235.000.
Montagnier, Luc; Guetard, Denise; Brun-Vezinet, Francoise; and Clavel, Francois, 4,839,288, Cl. 435-235.000.
Pillot, Jacques, 4,871,659, Cl. 435-5.000.
Sansonetti, Philippe; Boileau, Catherine; and D'Hauteville, Helene, 4,816,389, Cl. 435-6.000.
Tchen, Paul; Desplaces, Nicole; Grimont, Patrick; and Grimont, Francine (maiden name Besse), 4,810,644, Cl. 435-91.000.
Institut Problem Kriobiologii Kriombditsyny Akademii Nauk Ukrainskoi: *See—*
Grischenko, Valentin I.; Tarasov, Valery F.; Galchenko, Sergei E.; Kalugin, Jury V.; Paraschuk, Jury S.; Luchko, Nina A.; and Chernysh, Elena N., 4,817,397, Cl. 62-514.00R.
Institut Problem Modelirovania v energetiki Akademii Nauk Ukrainskoi SSR: *See—*
Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Skuridin, Vladimir P.; Gorshkov, Nikolai V.; Kovtun, Valery D.; Gapchenko, Leonid M.; and Vozovik, Anton V., 4,811,327, Cl. 369-111.000.
Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.
Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; and Shanoilo, Semen M., 4,875,204, Cl. 369-100.000.
Institut Textile de France: *See—*
Bolliand, Robert, 4,845,902, Cl. 51-395.000.
Chanzy, Henri D.; and Paillet, Michel, 4,880,469, Cl. 106-203.000.
Julien, Michel, 4,825,788, Cl. 112-262.300.
Meyer, Bertrand; and Pijew, Alexandre, 4,859,821, Cl. 219-10.55A.
Vandermarliere, Marc, 4,807,504, Cl. 83-22.000.
Institute Fiziki AN BSSR: *See—*
Lobazov, Alexandr F.; Mostovnikov, Vasily A.; Nechaev, Sergei V.; and Belenky, Boris G., 4,822,167, Cl. 356-317.000.
Institute for Atomic Physics, The: *See—*
Miljevic, Vujo I., 4,871,918, Cl. 250-423.00R.
Institute for Industrial Research and Standards: *See—*
Carroll, Francis A., 4,874,210, Cl. 312-257.100.
Spencer, Joseph P.; and Farrell, Brendan F., 4,802,210, Cl. 379-445.000.
Institute for Medical Research: *See—*
McGarrity, Gerard J.; and Kotani, Hitoshi, 4,855,227, Cl. 435-7.000.
Institute fur Textil-und Faserforschung of Stuttgart: *See—*
Planck, Heinrich, 4,850,999, Cl. 623-1.000.
Institute Mashinovedenia im.A.A. Blagonravova an SSSR: *See—*
Babitsky, Vladimir I.; Gerts, Mikhail E.; Ivanov, Jury A.; Maiorov, Vladimir S.; Makarov, Nikolai S.; and Tresvyatsky, Alexandr N., 4,795,878, Cl. 219-121.800.
Institute of Gas Technology: *See—*
Abbasi, Hamid A., 4,846,665, Cl. 431-1.000.
Erekson, Erek J.; and Lee, Anthony L., 4,826,796, Cl. 502-202.000.
Kardas, Alan, 4,846,679, Cl. 432-31.000.
Khinkis, Mark J.; Patel, Jitendra G.; and Sandstrom, William A., 4,854,249, Cl. 110-342.000.
Khinkis, Mark J., 4,877,449, Cl. 75-20.00R.
Lau, Francis S.; Mensinger, Michael C.; and Pyrcioch, Eugene J., 4,810,257, Cl. 44-27.000.
Marianowski, Leonard G.; and Fleming, Donald K., 4,810,485, Cl. 423-648.100.
Marianowski, Leonard G.; and Remick, Robert J., 4,859,296, Cl. 204-129.000.
Patel, Jitendra G., 4,867,756, Cl. 48-197.00R.
Rush, William F.; and Huebler, James E., 4,888,706, Cl. 364-510.000.
Sadowski, Dennis L.; and Saha, Narayan C., 4,830,041, Cl. 137-246.000.
Weil, Sanford A.; Xiong, Tian-yu; and Fleming, Donald K., 4,828,481, Cl. 431-7.000.
Institute of Material Mederia Medica of Chinese Academy of Medical Sciences, The: *See—*
Shi-jie, Gu, 4,868,207, Cl. 514-464.000.
Institute of Molecular Biology, Inc.: *See—*
Antoniades, Harry N.; Lynch, Samuel E.; and Williams, Ray C., 4,861,757, Cl. 514-21.000.
Antoniades, Harry N.; and Lynch, Samuel E., 4,874,746, Cl. 514-21.000.
Institute of Paper Chemistry, The: *See—*
Baum, Gary A.; and Habeger, Charles C., Jr., 4,841,223, Cl. 324-58.50A.

Institute of Physical & Chemical Research, The: *See—*
Miya, Shinya; Harada, Masato; Mise, Takaya; and Yamazaki, Hiroshi, 4,874,880, Cl. 556-53.000.
Institute of Rock & Soil Mechanics Academia Sinica, The: *See—*
Chu, Li, 4,890,084, Cl. 336-30.000.
Institute of Technology Precision Electrical Discharge Works: *See—*
Futamura, Shoji; and Kurihara, Masaki, 4,800,248, Cl. 219-69.00S.
Futamura, Shoji, 4,808,787, Cl. 219-69.00W.
Inoue, Satoru; and Futamura, Shoji, 4,820,146, Cl. 425-461.000.
Inoue, Satoru; and Futamura, Shoji, 4,830,598, Cl. 425-463.000.
Institute Organitcheskogo Sinteza I Uglekhimii An Kaz SSR: *See—*
Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.
Institute Po Tcherna Metalurgia: *See—*
Genev, Ivan V., 4,855,039, Cl. 209-311.000.
Institute Po Technicheska Kibernetika: *See—*
Samokovliiski, David A.; Nemetchek, Alfred E.; Gitchev, Mihail G.; Andreev, Krassimir A.; Bozadjiev, Iltcho T.; and Momtchilov, Emil T., 4,845,336, Cl. 219-137.200.
Institute Po Technicheska Kibernetika I Robotika: *See—*
Beyazov, Yordan Y.; Nenov, Sasho G.; and Peychev, Vlayko S., 4,884,459, Cl. 73-861.520.
Instituto Nazionale Di Ottica: *See—*
Castellini, Carlo; and Longobardi, Giuseppe, 4,805,671, Cl. 139-370.200.
Instituttet for Produktudvikling: *See—*
Nielsen, Steen E., 4,871,897, Cl. 219-121.670.
Instituut Voor Bewaring en Verwerking Van Landbouwprodukten: *See—*
Cornelissen, Andreas H. W. M., 4,889,046, Cl. 99-546.000.
Instron Corporation: *See—*
McMahon, Stephen M.; and DeNicola, Joseph P., 4,823,473, Cl. 33-787.000.
Instrument Specialties Co., Inc.: *See—*
Pressley, Allan H.; and Zick, David L., 4,869,671, Cl. 439-55.000.
Stickney, William H., 4,864,076, Cl. 174-35.0GC.
Instrumentarium Corp.: *See—*
Aaltonen, Olli; Martikainen, Antti; Rantala, Borje; Ekstrom, Jan; and Toikka, Osmo, 4,886,528, Cl. 55-158.000.
Gastrin, Jan, 4,805,200, Cl. 378-39.000.
Merilainen, Pekka, 4,856,531, Cl. 128-719.000.
Rantala, Borje, 4,798,229, Cl. 138-42.000.
Rantala, Borje, 4,850,367, Cl. 128-670.000.
Sepponen, Raimo, 4,799,015, Cl. 324-314.000.
Instruments for Research and Industry I^2R, Inc.: *See—*
Kelley, Louis E., 4,821,821, Cl. 177-181.000.
Instruments SA: *See—*
Laude, Jean-Pierre, 4,836,634, Cl. 350-96.190.
Instruments S.A.: *See—*
Laude, Jean-Pierre, 4,819,224, Cl. 370-3.000.
Pierre, Morin, 4,857,730, Cl. 250-305.000.
Thevenon, Alain, 4,842,353, Cl. 350-3.700.
Instytut Chemii Przemyslowej: *See—*
Friedrich, Pawel; Placzek, Wieslaw; Mynarz, Leszek; Karpinski, Krzysztof; Gaszewski, Jerzy; and Tarasiuk, Tadeusz, 4,838,075, Cl. 73-49.800.
Insul Company, Inc.: *See—*
Perri, Joseph A., 4,836,433, Cl. 266-266.000.
Insulator Seal, Inc.: *See—*
Dunton, Arthur R., 4,841,098, Cl. 174-15.300.
Insystems, Inc.: *See—*
Cavan, Daniel L., 4,811,409, Cl. 382-8.000.
Lin, Lawrence H.; Cavan, Daniel L.; and Howe, Robert B., 4,806,774, Cl. 250-550.000.
Intamin Corp. Inc. Est.: *See—*
Trumbull, Douglas; Collins, David; Smith, Wayne; and Spieldiener, Robert, 4,798,376, Cl. 272-18.000.
Intech, Inc.: *See—*
Baker, John W., 4,884,571, Cl. 128-310.000.
Intech Oil Tools Ltd: *See—*
Walter, Bruno H., 4,819,745, Cl. 175-107.000.
Walter, Bruno H., 4,830,122, Cl. 175-106.000.
Intecser S.A.: *See—*
Kaufeler, Max, 4,808,006, Cl. 366-332.000.
Integrated Automation: *See—*
Ott, David M.; and Ott, Cynthia D., 4,853,970, Cl. 382-54.000.
Integrated Card-Gard Corporation: *See—*
LeBlanc, Kenneth L.; and Hall, Gavin M., 4,851,610, Cl. 174-35.00R.
Integrated Chemistries, Inc.: *See—*
Nash, James E.; and Heikkila, Kurt E., 4,844,745, Cl. 134-42.000.
Integrated Design Corp.: *See—*
Leanna, Gregory D., 4,831,930, Cl. 101-389.100.
Integrated Device Technology, Inc.: *See—*
Hsu, Fu-Chieh, 4,876,215, Cl. 437-60.000.
Wyland, David C., 4,882,709, Cl. 365-189.020.
Integrated Fluidics, Inc.: *See—*
Brackett, Tom S., 4,875,956, Cl. 156-84.000.
Webster, Milo E., 4,848,722, Cl. 251-61.100.
Webster, Milo E., 4,852,851, Cl. 251-61.100.
Webster, Milo E., 4,858,883, Cl. 251-61.100.
Integrated Genetics, Inc.: *See—*
Reddy, Vermuri B.; Hsiung, Nancy; Beck, Anton K.; and Bernstine, Edward G., 4,840,896, Cl. 435-68.000.
Integrated Ionics, Inc.: *See—*
Lauks, Imants R.; and Wieck, Henry J., 4,864,229, Cl. 324-158.00F.
Integrated Network Corporation: *See—*
Gupta, Dev V., 4,862,480, Cl. 375-37.000.
Gupta, Dev V., 4,887,278, Cl. 375-7.000.
Hackett, Robert R.; Kenepp, Gregory S.; Luniewicz, Michael M.; and Swim, Martin L., 4,849,972, Cl. 370-110.100.
Integrated Power Corporation: *See—*
Gerken, Kenneth F.; and Sullivan, Robert A., 4,888,702, Cl. 364-494.000.
Integrated Solar Technologies Corp.: *See—*
Hagerty, James J.; and Danziger, Leslie A., 4,883,522, Cl. 65-18.400.
Integrated Systems Engineering, Inc.: *See—*
Slobodzian, Greg; Kersey, Bill; and Madsen, Brent, 4,820,956, Cl. 315-51.000.
Integrated Systems, Inc.: *See—*
Lehman, Larry L.; Shah, Sunil C.; and Varvell, David B., 4,796,179, Cl. 364-300.000.
Integrated Technologies Solutions, Inc.: *See—*
Gershon, Ezra, 4,859,968, Cl. 331-38.000.
Integrated Technologies and Systems, Inc.: *See—*
Zeuner, Kenneth W.; Zeuner, Thomas A.; Broschard, Donald C.; and Babacz, William A., 4,822,222, Cl. 410-29.100.
Integrated Wood Research Inc.: *See—*
Czinner, Robert L., 4,805,679, Cl. 144-357.000.
Intel Corporation: *See—*
Asghar, Abid; and Donnell, James R., 4,878,200, Cl. 365-189.020.
Astle, Brian; and Ripley, Gerald D., 4,827,344, Cl. 358-183.300.
Bain, William L., Jr.; Bedichek, Robert C.; Cox, George W.; Grassl, Gerhard; Peterson, Craig B.; Rattner, Justin R.; Singh, Gurbir; Singh, Gurbir; and Wipfli, John L., 4,803,622, Cl. 364-200.000.
Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli, John L., 4,829,425, Cl. 364-200.000.
Bain, William L., Jr.; de Oliveira Camargo, Marcos; Duzett, Robert C.; Lederhofer, Artur H.; Peterson, Craig B.; and Wipfli, John L., 4,853,849, Cl. 364-200.000.
Bazes, Mel, 4,849,661, Cl. 307-475.000.
Bhattacharyya, Bidyut K.; and Tosaya, Eric S., 4,810,671, Cl. 437-209.000.
Chambers, Stephen T.; and Luce, Stephen T., 4,824,767, Cl. 430-313.000.
Choksi, Himanshu; and Tang, Daniel, 4,818,711, Cl. 437-21.000.
Crafts, Douglas E.; and Leonov, Mark A., 4,868,992, Cl. 33-533.000.
Farrell, Robert L.; Sarabi, Alireza; and Tetrick, Raymond S., 4,807,109, Cl. 364-200.000.
Golin, Stuart J.; Simon, Allen H.; Astle, Brian; and Keith, John M., 4,868,653, Cl. 358-133.000.
Hallenbeck, Kirby S., 4,803,659, Cl. 365-94.000.
Imel, Michael T., 4,816,700, Cl. 307-269.000.
Imel, Michael T.; Lai, Konrad; Myers, Glenford J.; Steck, Randy; and Valerio, James, 4,823,260, Cl. 364-200.000.
Jillie, Don W., Jr.; Yin, Gerald; and Wada, Glen, 4,808,259, Cl. 156-643.000.
Johnson, David B.; Ebersole, Ronald J.; Huang, Joel C.; Neugebauer, Manfred; Page, Steven R.; and Self, Keith S., 4,853,846, Cl. 364-200.000.
Jungroth, Owen W., 4,875,188, Cl. 365-185.000.
Kabadi, Ashok N.; Turner, Leonard O.; and White, Michael T., 4,798,918, Cl. 174-36.000.
Kabadi, Ashok N., 4,850,883, Cl. 439-67.000.
Kim, Sang U., 4,835,458, Cl. 324-73.00R.
Kim, Sang U.; and Khan, Mohammad K., 4,859,938, Cl. 324-158.00D.
Kini, M. Vittal; Myers, Mark S.; and Shenoy, Sunil, 4,821,271, Cl. 371-68.000.
Krauskopf, Joseph C., 4,860,195, Cl. 364-200.000.
Kreifels, Jerry A.; and Hoekstra, George, 4,841,482, Cl. 365-185.000.
Kreifels, Jerry A.; and Hoekstra, George, 4,860,261, Cl. 365-218.000.
Lee, Winston K. M.; Oto, Duane H.; and Tam, Simon M., 4,797,856, Cl. 365-185.000.
Leonov, Mark; and Kordel, Jan, 4,878,376, Cl. 73-40.000.
Lloyd, Stacey G., 4,808,855, Cl. 307-480.000.
Lloyd, Stacey G., 4,860,322, Cl. 375-107.000.
Maloney, Timothy J., 4,821,096, Cl. 357-23.130.
Mulder, Theodor; and Swartz, Ronald W., 4,875,191, Cl. 365-189.010.
Myers, Glenford J.; Lai, Konrad; Imel, Michael T.; Hinton, Glenn; and Riches, Robert, 4,811,208, Cl. 364-200.000.
Nanda, Sunil, 4,797,852, Cl. 364-900.000.
Ong, Dewitt; and Rider, Scott, 4,843,026, Cl. 437-51.000.
Ravishankar, Gurumurthi, 4,803,946, Cl. 118-52.000.
Seifert, Willis; and Loeffler, Michael, 4,824,496, Cl. 156-64.000.
Sharp, Owen, 4,823,314, Cl. 365-51.000.
Smith, William D.; Dennis, Richard; Brathwaite, Nicholas; and Blish, Richard C., II, 4,870,224, Cl. 174-52.400.
Sprague, David L.; Harney, Kevin; Simon, Allen H.; and Taylor, Herbert H., Jr., 4,881,194, Cl. 364-900.000.
Tam, Simon M., 4,814,286, Cl. 437-27.000.
Tang, Daniel N.; Choksi, Himanshu; Wang, Simon; and Tam, Simon M., 4,806,202, Cl. 156-657.000.

Ting, Chiu H.; Rucker, Thomas G.; and Sobczak, Zbigniew P., 4,885,262, Cl. 437-231.000.
Volk, Andrew M.; Baucom, Terry L.; and Van Brunt, Roger, 4,819,081, Cl. 328-134.000.
Volk, Andrew M.; Baucom, Terry L.; and Brunt, Roger V., 4,829,258, Cl. 328-155.000.
Woo, Been-Jon, 4,833,099, Cl. 437-41.000.
Yau, Leopoldo D.; and Kawamoto, Galen H., 4,837,185, Cl. 437-228.000.
Young, Ian A., 4,796,230, Cl. 365-189.000.
Young, Ian A., 4,888,503, Cl. 307-530.000.
Intelhearts Co., Ltd.: *See—*
Nagai, Satoru; Imahashi, Kazuo; Nagaya, Yoshio; Yoshida, Shigeo; Kitagawa, Satoshi; and Miyazawa, Takatoshi, 4,822,541, Cl. 264-42.000.
Intelli-Tech Corporation: *See—*
Anders, Frank W.; Herring, Joseph C.; and White, Douglas A., 4,827,395, Cl. 364-138.000.
Intellicall, Inc.: *See—*
Hird, John A.; Owen, Lindsey D.; and Rice, Michael R., 4,890,317, Cl. 379-132.000.
Intelligent Instrumentation, Inc.: *See—*
Daniel, Richard A., 4,847,750, Cl. 364-200.000.
Intelligent Medicine, Inc.: *See—*
Howson, David C.; Pauley, J. Donald; and Carroll, Gary T., 4,804,054, Cl. 128-898.000.
Howson, David C., 4,810,243, Cl. 604-31.000.
Howson, David C.; Havranek, Robert E.; Popken, John A.; and Stone, Frederick L., 4,834,152, Cl. 141-286.000.
Howson, David C.; Fellinger, Michael W.; Popken, John A.; and Altobellis, Richard M., 4,846,797, Cl. 604-154.000.
Intelligent Surgical Lasers: *See—*
Bille, Josef F.; and Brown, Stuart I., 4,848,340, Cl. 128-303.100.
Bille, Josef F.; and Brown, Stuart I., 4,881,808, Cl. 351-221.000.
Intellipower, Inc.: *See—*
Johnson, Ronald W., 4,876,460, Cl. 307-64.000.
Intellistor, Inc.: *See—*
Schwickrath, Bruce R., 4,836,624, Cl. 312-216.000.
Intelmatec Corporation: *See—*
Akagawa, Minoru; Naoi, Satoshi; and Fukumoto, Heijiro, 4,880,518, Cl. 204-298.000.
Akagawa, Minoru, 4,883,300, Cl. 294-2.000.
Intelock Corporation: *See—*
Corder, Thomas E.; and Mullin, James B., 4,802,353, Cl. 70-277.000.
Corder, Thomas E.; and Stewart, John F., 4,854,143, Cl. 70-218.000.
Inter Control Hermann Kohler Elektrik GmbH & Co. KG: *See—*
Hollweck, Walter, 4,862,132, Cl. 337-102.000.
Inter-Ikea A/S: *See—*
Jonsson, Magnus, 4,854,763, Cl. 402-32.000.
Peterson, Olle, 4,830,696, Cl. 156-154.000.
Inter Innovation AB.: *See—*
Wigur, Jan, 4,870,612, Cl. 364-900.000.
Inter Power Technologie: *See—*
Wied, Edwin; and Glezerman, Josef, 4,856,460, Cl. 122-4.00D.
Inter Therapy, Inc.: *See—*
Griffith, James M.; Maciel, Mario; Henry, Walter L.; and Zalesky, Paul J., 4,841,977, Cl. 128-660.030.
Intera Corporation: *See—*
Dyer, Michael E., 4,806,125, Cl. 8-116.100.
Interactive Systems, Incorporated: *See—*
Broughton, Robert S.; and Laumeister, William C., 4,807,031, Cl. 358-142.000.
Interactive Technologies, Inc.: *See—*
Brunius, Robert E., 4,855,713, Cl. 340-506.000.
Hackett, Kenneth R., 4,885,568, Cl. 340-518.000.
Interand Corporation: *See—*
Tutt, Timothy T.; Westmeyer, Mark; and Khutoryansky, 4,872,064, Cl. 358-464.000.
Interatom GmbH: *See—*
Cyron, Theodor; and Maus, Wolfgang, 4,795,615, Cl. 422-179.000.
Cyron, Theodor, 4,818,746, Cl. 502-527.000.
Cyron, Theodor; and Staubwasser, Wolfgang, 4,822,766, Cl. 502-439.000.
Cyron, Theodor, 4,832,908, Cl. 428-116.000.
Cyron, Theodor, 4,847,230, Cl. 502-439.000.
Maus, Wolfgang; Kottmann, Rolf; Cyron, Theodor; and Wieres, Ludwig, 4,824,011, Cl. 228-173.700.
Puetz, Heinrich, 4,847,962, Cl. 29-149.5PM.
Puetz, Heinrich, 4,848,932, Cl. 384-113.000.
Stausebach, Dieter; and Swars, Helmut, 4,808,370, Cl. 376-291.000.
Swars, Helmut, 4,803,189, Cl. 502-439.000.
Swars, Helmut, 4,867,004, Cl. 74-567.000.
Tittizer, Gabriel; and Junghans, Ewald, 4,799,462, Cl. 123-90.120.
Tittizer, Gabriel; and Junghans, Ewald, 4,821,689, Cl. 123-90.120.
Ullrich, Manfred, 4,849,157, Cl. 376-285.000.
Intercal Company: *See—*
Vogel, Ferdinand L., 4,798,771, Cl. 428-564.000.
Vogel, Ferdinand L., 4,799,956, Cl. 75-243.000.
Vogel, Ferdinand L., 4,799,957, Cl. 75-243.000.
Intercat, Inc.: *See—*
Velten, Terrance J.; and Demmel, Edward J., 4,826,793, Cl. 502-64.000.
InterCon Systems, Inc.: *See—*
Gordon, Herbert L., Jr., 4,871,062, Cl. 206-328.000.
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Interconnect Devices, Inc.: *See—*
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Intercontrole S.A.: *See—*
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Interlink Electronics, Inc.: *See—*
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Mobley, Dewey F.; Warren, Janice M.; and Peterson, Robert G., Sr., 4,813,889, Cl. 439-595.000.
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Intermec Corporation: *See—*
Caldwell, Edward D.; and Koury, Pamela M., 4,842,439, Cl. 403-290.000.
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Intermedicat GmbH: *See—*
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Landskron, Jurgen; Zahn, Jorn; Heckmann, Harald; and Mohr, Georg, 4,838,873, Cl. 604-283.000.
Rosskopf, Gerhard; and Seidel, Dietrich, 4,816,162, Cl. 210-651.000.
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Intermedics, Inc.: *See—*
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Baker, Ross G., Jr.; Whistler, Stephen J.; Ideker, Raymond E.; Calfee, Richard V.; and Haluska, Edward A., 4,821,723, Cl. 128-419.00D.
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Baker, Ross G., Jr.; Calfee, Richard V.; Haluska, Edward A.; and Whistler, Stephen J., 4,880,004, Cl. 128-419.0PG.
Bradshaw, James I.; and Baker, Ross G., Jr., 4,858,623, Cl. 128-785.000.
Calfee, Richard V.; Adkins, Robert A.; Alt, Eckhard U.; and Baker, Ross G., Jr., 4,803,987, Cl. 128-419.0PG.
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Haluska, Edward A.; Whistler, Stephen J.; Baker, Ross G., Jr.; and Calfee, Richard V., 4,830,006, Cl. 128-419.0PG.
Ideker, Raymond E.; Fine, Michael J.; Baker, Ross G., Jr.; and Calfee, Richard V., 4,827,932, Cl. 128-419.00D.
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Pless, Benjamin D.; and Sweeney, Michael B., 4,880,005, Cl. 128-419.0PG.
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Internal Business Machines Corporation: *See—*
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International Bioaccess Systems Corporation: *See—*
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International Business Machines Corporation: *See—*
Aboelfotoh, Mohamed O.; and Tsang, Yuk L., 4,888,297, Cl. 437-41.000.
Abraham, Dennis G.; Double, Glen P.; and Neckyfarow, Steven W., 4,799,061, Cl. 340-825.340.
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Adler, David W.; Kirtland, David A.; and Manka, Ronald S., 4,811,284, Cl. 364-900.000.
Affinito, Frank J.; and Beetem, John F., 4,868,549, Cl. 340-710.000.
Afzali-Ardakani, Ali; Desai, Mukesh; Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., 4,800,397, Cl. 346-1.100.
Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., 4,810,119, Cl. 400-241.100.
Afzali-Ardakani, Ali; and Pennington, Keith S., 4,836,106, Cl. 101-467.000.
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Aichelmann, Frederick J., Jr.; Blumberg, Rex H.; Meltzer, David; Pomerene, James H.; Puzak, Thomas R.; Rechtschaffen, Rudolph N.; and Sparacio, Frank J., 4,823,259, Cl. 364-200.000.
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Allen, Robert D.; Chiong, Kaolin N.; Chow, Ming-Fea; MacDonald, Scott A.; Yang, Jer-Ming; and Willson, Carlton G., 4,810,601, Cl. 430-18.000.
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Amelio, William J.; Czarnecki, Kenneth R.; Lemon, Gary K.; Markovich, Voya; Sambucetti, Carlos J.; and Zarr, Richard S., 4,820,643, Cl. 436-37.000.
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Anderson, Herbert R., Jr.; Divakaruni, Renuka S.; Dynys, Joseph M.; Kandetzke, Steven M.; Kirby, Daniel P.; Master, Raj N.; and Casey, Jon A., 4,885,038, Cl. 156-89.000.
Anderson, Karen L.; Pennebaker, William B.; and Pennington, Keith S., 4,885,786, Cl. 382-47.000.
Anderson, Nathaniel C.; Miner, Marlin E.; Romankiw, Lubomyr T.; and Starcke, Steven F., 4,842,886, Cl. 427-10.000.
Anderson, Robert W.; Gee, Ralph L.; Indelicato, Jasper A.; and Patel, Arvind M., 4,833,679, Cl. 371-38.000.
Anschel, Morris; Goodrich, Lawrence D.; and Hetrick, Barton M., 4,886,727, Cl. 430-311.000.
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Anthias, Tefcros; Herrod, John A.; and Ricketts, Martin W., 4,845,644, Cl. 364-521.000.
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Aoki, Takaaki; Nojima, Katsuyuki; and Seki, Yoji, 4,868,554, Cl. 340-735.000.
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Arfman, Kenneth D.; Pillera, Theodore J., II; Ruckel, Raymond R.; Turits, Allan C.; and Walker, John Q., 4,869,376, Cl. 422-89.000.
Arlington, David L.; Cole, Jacqueline M.; Hazelzet, Bruce G.; Krolak, David J.; Li, Hehching H.; Oza, Bharat J.; and Weaver, A. Frank, 4,888,773, Cl. 371-40.200.
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Arnold, Allen J.; Bariether, Michael E.; Chiang, Shin-Wu; Dalal, Hormazdyar M.; Miller, Robert A.; Montegari, Frank A.; Oberschmidt, James M.; and Shen, David T., 4,831,494, Cl. 361-306.000.
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Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., 4,827,411, Cl. 364-300.000.
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Avritt, Michael D.; Hegerhorst, Brent K.; and Peterson, Peter K., 4,843,429, Cl. 355-274.000.
Azevedo, Michael J.; Corchero, Charles A.; Lang, Donald J.; and Woodman, Gilbert R., Jr., 4,868,514, Cl. 328-155.000.
Baasch, Holger J.; and Luecke, Francis S., 4,813,033, Cl. 369-45.000.
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Bahl, Lalit R.; deSouze, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,819,271, Cl. 381-43.000.
Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., 4,827,521, Cl. 381-43.000.
Bahl, Lalit R.; DeSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,833,712, Cl. 381-43.000.
Bahl, Lalit R.; Brown, Peter F.; deSouza, Peter V.; and Mercer, Robert L., 4,852,173, Cl. 381-43.000.
Bahl, Lalit R.; deSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,882,759, Cl. 381-51.000.
Baker, John M.; Callegari, Alessandro C.; Lacey, Dianne L.; and Shih, Yih-Cheng, 4,853,346, Cl. 437-184.000.
Baker, William T., Jr.; Buffum, Charles M.; Jolissaint, Charles H.; and Kerlin, Gregg W., 4,805,209, Cl. 379-96.000.
Balasubramanyam, Karanam; Joseph, Robert R.; and Rembeck, Robert B., 4,808,545, Cl. 437-41.000.
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Bank, Judith H.; Familetti, Harry G.; and Lickel, Charles W., 4,823,261, Cl. 364-200.000.
Baratz, Alan E.; Clarke, Kathryn E.; Pollard, Melinda R.; Pozefsky, Diane P.; Rafalow, Lee M.; Siddall, William E.; and Gray, James P., 4,873,517, Cl. 340-825.030.
Barber, Jeffrey R.; Kotecha, Harish N.; Meyer, David D.; and Stanasolovich, David, 4,814,290, Cl. 437-70.000.
Barbic, Federico; and Choy, David M., 4,823,306, Cl. 364-900.000.
Bard, Steven L.; Feger, Claudius; Glenning, John J.; Houghton, Gareth G.; Molis, Steven E.; Pawlowski, Walter P.; Ritsko, John

J.; Slota, Peter, Jr.; and Snyder, Randy W., 4,846,929, Cl. 156-630.000.
Barker, Barbara A.; Hernandez, Irene H.; and Machart, Beverly H., 4,815,029, Cl. 364-900.000.
Barnes, Cherie C.; Bennett, Robert B.; and Szczygielski, Thomas J., 4,888,681, Cl. 364-200.000.
Baron, Henry C.; LeBlanc, Johnny J.; Storey, Thomas M.; and Yoder, Joseph W., 4,852,061, Cl. 365-154.000.
Bass, Roy S., Jr.; Bhattacharyya, Arup; and Grise, Gary D., 4,870,470, Cl. 357-23.500.
Bassett, Robert W.; Griffin, William R.; Murphy, Susan A.; Petrovick, John G., Jr.; Varner, James R.; and Whittaker, Dennis R., 4,878,209, Cl. 368-113.000.
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Bayer, Thomas; Elsasser, Michael; Greschner, Johann; Schmid, Heinrich; Stohr, Roland; Wolter, Olaf; and Wittlinger, Jurgen, 4,843,315, Cl. 324-158.00P.
Bean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.; Scanlon, John F.; and Wyman, Leslie W., 4,843,541, Cl. 364-200.000.
Beck, James L.; Doyle, Marguerite H.; Early, Roger W.; Ringle, Terrance W.; and Smith, David R., 4,799,811, Cl. 400-279.000.
Beha, Johannes G.; Blacha, Armin U.; Clauberg, Rolf; and Seitz, Hugo K., 4,843,329, Cl. 324-73.0PC.
Beha, Johannes G.; Dreyfus, Russell W.; Kash, Jeffrey A.; and Rubloff, Gary W., 4,845,425, Cl. 324-158.00R.
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Behrens, Linda M.; Blohm, Neil A.; Cimijotti, Raymond L.; Corfits, William D.; and Rasmussen, Jerry R., 4,821,146, Cl. 361-383.000.
Belloc, Jacques; Morlec, Emile; Godard, Dominique; and Quintin, Michel, 4,887,257, Cl. 370-32.100.
Belloc, Jacques; Godard, Dominique; Morlec, Emile; and Quintin, Michel, 4,887,258, Cl. 370-32.100.
Benigsus, Douglas M.; and Browning, Luke M., 4,888,771, Cl. 371-16.100.
Bentley, Steven R.; Fickle, David M.; and Nylander-Hill, Pamela R., 4,860,193, Cl. 364-200.000.
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Bertin, Claude L.; and Kotecha, Harish N., 4,805,142, Cl. 365-100.000.
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Bickford, Harry R.; Grebe, Kurt R.; Kovac, Caroline A.; and Palmer, Michael J., 4,832,255, Cl. 228-254.000.
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Bischoff, Gary; Blokkum, Dag R.; de Leon Penaloza, Antonio, III; and Peterson, David L., 4,827,406, Cl. 364-200.000.
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Blanc, Alain; Jeanniot, Patrick; and Spalmacin-Roma, Sylvie, 4,845,752, Cl. 381-31.000.
Blaner, Bartholomew, 4,862,461, Cl. 371-33.000.
Bleher, J. Hartmut; Gerlicher, Axel T.; Rump, Siegfried M.; and Unkauf, Dieter K., 4,866,651, Cl. 364-748.000.
Block, Timothy R.; Soderstrom, Ronald L.; Heiling, Gerald M.; and Rocca, Charles J., 4,850,044, Cl. 455-607.000.
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Blum, Arnold; Briska, Marian; and Najmann, Knut, 4,802,062, Cl. 361-401.000.
Boehm, Russell W.; Guinn, Rex A.; and Koerner, Hans J., 4,861,534, Cl. 264-102.000.
Boertzel, Martin; Ludwig, Reinhold; Schmits, Wilhelm; and Weiss, Ulrich, 4,855,858, Cl. 361-18.000.
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Bondur, James A.; and Martinet, Francois D., 4,832,787, Cl. 156-643.000.
Boothroyd, William A.; Camann, James C.; and Palo, Robert A., 4,884,199, Cl. 364-408.000.
Boscove, Joseph A.; Kurtz, Hobart L.; Prince, Jeffrey E.; and Wiegand, William P., 4,796,206, Cl. 364-551.010.
Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.
Bouillot, Michel; Calvignac, Jean L.; and Munier, Jean-Marie L., 4,811,339, Cl. 370-94.000.
Bouillot, Michel; Calvignac, Jean-Louis J.; and Munier, Jean-Marie L., 4,855,948, Cl. 364-900.000.
Breiten, Charles P.; Stanasolovich, David; and Theisen, Jacob F., 4,836,885, Cl. 156-643.000.
Brenza, James G., 4,797,814, Cl. 364-200.000.
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Brice, Frank W., Jr.; and Weingarten, Robert A., 4,825,206, Cl. 340-825.020.
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Brodnax, Timothy B., 4,879,675, Cl. 364-738.000.
Broockman, Eric C.; Cato, Robert T.; Gregory, William D., Jr.; and Laurer, George J., 4,800,256, Cl. 235-467.000.
Brooks, Garth A.; and Greco, Nancy A., 4,816,112, Cl. 156-628.000.
Brooks, Garth A.; and Greco, Nancy A., 4,867,838, Cl. 156-628.000.
Brooks, William W., Jr.; Clemen, Curtis J.; Coffey, Jerome T.; Coffield, Timothy P.; and Larson, David R., 4,853,811, Cl. 360-103.000.
Brown, Max R., 4,853,878, Cl. 364-521.000.
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Brunsvold, William R.; Conley, Willard E.; Jacobs, Scott L.; Mack, George L.; Merritt, David P.; and Uptmor, Ann M., 4,828,964, Cl. 430-271.000.
Buchanan, Douglas A.; Callegari, Alessandro C.; Hob, Peter D.; and Lacey, Dianne L., 4,859,253, Cl. 148-33.300.
Buchmann, Peter L.; Vettiger, Peter; and Van Zeghbroech, Bart J., 4,803,181, Cl. 437-228.000.
Buchwalter, Stephen L., 4,832,808, Cl. 204-181.700.
Buckland, Patrick A.; Irwin, John W.; and Reeder, Jack E., 4,833,596, Cl. 364-200.000.
Buechele, Alvin W.; Cochran, Thomas J.; and Hodge, Philo B., 4,816,754, Cl. 324-158.00F.
Buhler, Otto R.; Simpson, Brian A.; and Twombly, John C., 4,862,113, Cl. 331-117.00R.
Bui, Vu Q.; Chan, Kevin K.; Hoffarth, Joseph G.; and Malueg, Vicki J., 4,797,178, Cl. 156-643.000.
Bukowski, Eugene R.; and Hoffman, Charles R., 4,837,459, Cl. 307-296.800.
Bukowski, Eugene R.; and Hoffman, Charles R., 4,841,254, Cl. 330-253.000.
Bulson, Laura G.; Misenheimer, Laura P.; and Sebrosky, Robert A., 4,839,621, Cl. 335-277.000.
Buonomo, Joseph P.; Losinger, Raymond E.; and Oliver, Burton L., 4,814,977, Cl. 364-200.000.
Burger, Wilhelm F.; Carson, Mark E.; Johri, Abhai; and Stokes, Ellen J., 4,885,789, Cl. 380-25.000.
Burrus, Gilbert S., Jr.; Cooper, Ronald J.; Marr, Michael R.; Marsico, Mario A.; Pescatore, John C.; and Sullivan, Paul D., 4,837,677, Cl. 364-200.000.
Busch, Robert E.; and Thoma, Endre P., 4,807,195, Cl. 365-207.000.
Bux, Werner K.; Closs, Felix H.; Mueller, Johann R.; Van As, Harmen R.; and Zafiropulo, Pitro A., 4,843,606, Cl. 370-89.000.
Cahill, Joseph J.; Johnson, Charles L.; Lewis, Steven D.; Mullins, Timothy J.; and Petz, Bruce R., 4,857,765, Cl. 307-443.000.
Callahan, Robert M.; Fiore, Anthony M.; Flickinger, Edward C.; Hempel, Bruce C.; and Whistance, Bruce E., 4,847,605, Cl. 340-709.000.
Callender, Bernard L.; Chow, William W.; Osterday, Thomas G.; and Rueger, William J., 4,842,177, Cl. 226-97.000.
Calo, Seraphin B.; Kannan, Krishnamurthi; Soo, Suk S.; Burket, Thomas G.; and Wiley, John W., Jr., 4,805,134, Cl. 364-900.000.
Calta, Salvatore A.; Gregg, Thomas A.; Skarshinski, Leon; and Strangwayes, Richard, 4,866,609, Cl. 364-200.000.
Calvignac, Jean; and Secondo, Pierre, 4,799,219, Cl. 370-94.000.
Calvignac, Jean; and Secondo, Pierre, 4,819,230, Cl. 370-94.000.
Campbell, Alan S.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, 4,870,433, Cl. 346-140.00R.
Canestaro, Michael J.; and Summa, William J., 4,873,123, Cl. 427-96.000.
Carlsten, Ronald W., 4,845,379, Cl. 328-120.000.
Carrington, James E.; and Westcott, Gerald R., 4,821,639, Cl. 101-93.140.
Casey, Christine T.; and Record, Stephen E., 4,855,936, Cl. 364-521.000.
Casey, Richard G.; and Mohiuddin, Kottappuram M., 4,831,657, Cl. 382-39.000.
Cecchi, Delbert R.; Kim, Hyung S.; Mitby, John S.; Swart, David P.; Stanisic, Balsha R.; and Wu, Philip T., 4,866,308, Cl. 307-475.000.
Celenza, Nicholas; and Najm, Elie M., 4,888,545, Cl. 323-258.000.
Champ, Robert B.; Shattuck, Meredith D.; and Stremel, Donald A., 4,889,784, Cl. 430-58.000.
Champion, James R.; and Sartin, Darrel E., 4,829,336, Cl. 355-246.000.
Chan, Yuen H.; Nijhuis, Rolf H.; Rivadeneira, Carlos G.; and Struk, James R., 4,851,711, Cl. 307-288.000.
Chance, Dudley A.; and Hu, Yung-Haw, 4,870,539, Cl. 361-321.000.
Chandra, Ashileshwari N.; Comerford, Liam D.; and White, Steve R., 4,817,140, Cl. 380-4.000.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., 4,835,419, Cl. 307-475.000.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., 4,843,261, Cl. 307-449.000.
Chappell, Barbara A., Lien, Yeong-Chang; and Tang, Jeffrey Y., 4,845,669, Cl. 365-51.000.
Chappell, Barbara A.; Chappell, Terry I.; and Schuster, Stanley E., 4,845,677, Cl. 365-189.020.
Chase, Judith A.; Phelps, Douglas W., Jr.; Redmond, Robert J.; and Starr, Stephen G., 4,821,945, Cl. 228-179.000.

Chen, Chin-Long, 4,862,463, Cl. 371-38.000.
Cheng, Josephine M.; Nomm, Nicholas V.; and Yothers, Jay A., 4,833,604, Cl. 364-200.000.
Chevion, Dan S.; Karnin, Ehud D.; and Walach, Eugeniusz, 4,884,131, Cl. 358-88.000.
Chew, David W.; Hagenlocher, Willi A.; Jih, Chentung R.; and Nassimbene, Ernie G., 4,839,756, Cl. 360-105.000.
Chikuma, Tom K.; Jones, Rick O.; Nelson, William H.; and Price, Walter F., Jr., 4,846,589, Cl. 384-50.000.
Chin, Victor H.; Chihara, Carol; and Sha, Allen S., 4,823,347, Cl. 371-49.000.
Christensen, Thomas C.; Coker, Jonathan D.; Cunningham, Earl A.; Jaworski, Richard C.; Kerwin, Gregory J.; Palmer, Dean C.; and Roepke, Jeffrey R., 4,821,125, Cl. 360-31.000.
Chu, Albert M.; and Griffin, William R., 4,812,688, Cl. 307-605.000.
Chuang, Ching-Te K.; Hackbarth, Edward; and Tang, Denny D., 4,864,539, Cl. 365-155.000.
Chung, Paul W.; and Wang, Niantsu N., 4,808,840, Cl. 307-290.000.
Chung, Paul W.; and Saber, Paik, 4,812,784, Cl. 331-113.00R.
Chung, Paul W.; and Wang, Niantsu N., 4,859,880, Cl. 307-494.000.
Cicciarelli, Raymond J.; and Millis, David B., 4,870,591, Cl. 364-468.000.
Cipolla, Thomas M.; Horton, Raymond R.; Murphy, Philip; and Palmer, Michael J., 4,875,614, Cl. 228-5.500.
Clabes, Joachim G.; Hahn, Peter O.; Ho, Paul S.; Lefakis, Haralambos; and Rubloff, Gary W., 4,886,681, Cl. 427-38.000.
Clark, Mark E.; Greever, Richard G.; Schmier, Larry J.; and Wong, Jerome D., 4,881,230, Cl. 371-20.100.
Clarke, David A.; and Farr, Robert W. E., 4,835,722, Cl. 364-720.000.
Clarke, Thomas C.; Kovac, Caroline A.; Jung, Dae Y.; Park, Jae M.; and Thomas, Richard R., 4,869,930, Cl. 427-252.000.
Clayton, Neil H.; Rivero, Jose L.; and Sun, Kuo-Chang, 4,845,624, Cl. 364-200.000.
Closs, Felix H.; Mueller, Johann R.; and Zafiropulo, Pitro A., 4,862,451, Cl. 370-60.000.
Cocke, John; and Markstein, Peter W., 4,802,091, Cl. 364-300.000.
Codella, Christopher F.; and Ogura, Seiki, 4,855,246, Cl. 437-41.000.
Cohen, Edward I.; and Pierce, Bernard R., 4,807,111, Cl. 364-200.000.
Cohen, Mitchell S.; Sachdev, Krishna G.; Shen, John C. S.; and Pennington, Keith S., 4,830,909, Cl. 428-331.000.
Collins, Robert W.; Davidson, William S.; Dickes, Steven M.; Effle, James S.; Larson, Carle J.; Weinschenk, Russell J.; and Wottreng, Peter M., 4,847,749, Cl. 364-200.000.
Collopy, Thomas K.; and Haire, Donald F., 4,821,196, Cl. 364-468.000.
Concha, Fernando; and Stancil, Charles J., 4,884,271, Cl. 371-40.200.
Cook, Sherry A.; Gerstle, Patrick J.; Smith, David R.; and Stilz, Kathryn R., 4,889,439, Cl. 400-706.000.
Cooper, Ronald J.; Marsico, Mario A.; Matlack, Richard C., Jr.; Pescatore, John C.; and Smith, Robert L., Jr., 4,870,566, Cl. 364-200.000.
Corfits, William D.; Mosley, Claude J.; Rasmussen, Jerry R.; and Wheeler, Stephen E., 4,821,145, Cl. 361-383.000.
Corfits, William D.; Gullicksrud, John T.; Martin, Bradley L.; McCutcheon, Robert W.; Rasmussen, Jerry R.; Westphal, Gordon W.; and Wheeler, Stephen E., 4,853,830, Cl. 361-391.000.
Corona, James; and Iida, Yoshio, 4,819,185, Cl. 364-518.000.
Correale, Anthony, 4,880,754, Cl. 437-51.000.
Corrigan, Colleen M.; Hunter, Lawrence W.; and Modry, John A., 4,860,203, Cl. 364-300.000.
Costes, Michel L.; Dalboussiere, Gerard; and Barker, Kenneth J., 4,809,155, Cl. 364-200.000.
Cote, William J.; Kenney, Donald M.; Kerbaugh, Michael L.; Leach, Michael A.; Robinson, Jeffrey A.; and Sweetser, Robert W., 4,838,991, Cl. 156-643.000.
Cree, Charles M. N.; Landry, Grady J.; Scully, Keith J., and Singh, Harinder S., 4,807,155, Cl. 364-518.000.
Cree, Charles M. N.; Landry, Grady J.; Scully, Keith J.; and Singh, Harinder S., 4,817,018, Cl. 364-518.000.
Cree, Charles M. N.; Landry, Grady J.; Scully, Keith J.; and Singh, Harinder S., 4,866,611, Cl. 364-300.000.
Critchlow, Dale L.; DeBrosse, John K.; Mohler, Rick L.; Noble, Wendell P., Jr.; and Parries, Paul C., 4,873,205, Cl. 437-200.000.
Crockett, Robert N.; Kern, Robert F.; Miller, Arnold G.; Norris, Richard E.; Pousson, Michael W., Jr.; and Wagner, Robert E., 4,837,680, Cl. 364-200.000.
Croes, Rosimbo E.; Gentry, Alice V.; Gentry, Milton L., Jr.; and Kendrick, Melvin R., 4,827,447, Cl. 364-900.000.
Cronauer, Thomas D.; and Plunkett, Galen P., 4,837,688, Cl. 364-200.000.
Cropp, Michael E.; De Prado, Phillip; and Desai, Kamalesh S., 4,808,435, Cl. 427-97.000.
Crouse, Richard S.; Boudreaux, Randall P.; and Cazzolla, John J., Jr., 4,831,517, Cl. 364-200.000.
Culican, Edward F.; Davis, John D.; Powell, Martin E.; and Pritzlaff, Philip E., Jr., 4,825,178, Cl. 331-116.0CR.
Culican, Edward F., Sr.; Davis, John D.; Ewen, John F.; Mc Cabe, Scott A.; Mosley, Joseph M.; Mullgrav, Allan L., Jr.; Noto, Philip F.; Peterson, Clarence I., Jr.; and Pritzlaff, Philip E., Jr., 4,833,425, Cl. 331-1.00A.
Cuomo, Jerome J.; Dibble, Eric P.; and Levine, Solomon L., 4,849,079, Cl. 204-192.170.
Curtin, James J.; Dorler, Jack A.; Jordy, George J.; and Leiner, Kenneth L., 4,798,976, Cl. 307-441.000.
Curtis, Huntington W.; Fung, Min-Su; and Verkuil, Roger L., 4,812,756, Cl. 324-158.00R.
Cziep, Werner; Kuenzel, Ulrich; and Ruh, Wolf-Dieter, 4,834,835, Cl. 156-643.000.
Dang, Mieu-Hong; James, Nigel V.; Jreij, Elie A.; and Taborga, Jorge R., 4,847,893, Cl. 379-95.000.
Daniel, Arthur A.; Irvin, David R.; and Moore, Robert E., 4,823,345, Cl. 371-37.000.
Daubenspeck, Timothy H., 4,836,886, Cl. 156-643.000.
Daubenspeck, Timothy H.; and Ichishita, Faith S., 4,836,887, Cl. 156-643.000.
Davari, Bijan; Hwang, Wei; and Lu, Nicky C., 4,881,105, Cl. 357-23.400.
Davari, Bijan; Ganin, Eti; Harame, David L.; and Sai-Halasz, George A., 4,889,819, Cl. 437-27.000.
David, Lawrence D., 4,798,701, Cl. 420-528.000.
Davie, Neil R., 4,847,824, Cl. 369-124.000.
Davis, Donald E.; Doran, Samuel K.; Perkins, Merlyn H.; and Pfeiffer, Hans C., 4,818,885, Cl. 250-492.200.
Davis, Gordon T.; and Mandalia, Baiju D., 4,849,706, Cl. 329-112.000.
Davis, Gordon T.; and Mandalia, Baiju D., 4,871,974, Cl. 329-345.000.
Dawes, Antony J. O.; and Henson, Stephen R., 4,890,098, Cl. 340-721.000.
Day, Michael N., 4,851,987, Cl. 364-200.000.
DeFazio, John J.; and McNamara, Timothy G., 4,800,564, Cl. 371-61.000.
DeLorme, Dennis S.; Holm, Mark L.; Lee, Wilson D.; Patte, Peter B.; Ricard, Gary R.; Timms, George D., Jr.; and Youngren, Larry W., 4,819,156, Cl. 364-200.000.
Demke, Kent R.; and Lubart, Neil D., 4,834,506, Cl. 350-333.000.
Demorat, Jr. Gerald J.; and Weiler, William A., Sr., 4,864,458, Cl. 361-212.000.
Denny, Luan J., 4,817,092, Cl. 371-11.000.
Desai, Kamalesh S., 4,799,983, Cl. 156-89.000.
Desilets, Brian H.; Kaplan, Richard D.; Sachdev, Harbans S.; Sachdev, Krishna G.; and Sanchez, Susan A., 4,826,564, Cl. 156-643.000.
Dhong, Sang H.; and Lu, Nicky C. C., 4,816,706, Cl. 307-530.000.
Dias, Daniel M.; and Kumar, Manoj, 4,862,454, Cl. 370-94.000.
Dickstein, Heidi L.; Hiraoka, Hiroyuki; and Lee, James H., 4,875,124, Cl. 360-126.000.
Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, 4,849,501, Cl. 528-353.000.
Dimitri, Kamal E.; Hassner, Martin A.; and Siegel, Paul H., 4,882,583, Cl. 341-59.000.
Dinan, Raymond F.; Dubil, James F.; Malin, Jerald R.; Rodite, Robert R.; Rohe, Clair F.; and Rohrer, Gene D., 4,888,812, Cl. 382-7.000.
Dishon, Yitzhak; and Georgiou, Christos J., 4,849,978, Cl. 371-51.000.
Dishon, Yitzhak; and Kim, Michelle Y., 4,862,411, Cl. 364-952.000.
DiStefano, Thomas H.; Falls, Arthur E.; Halperin, Arnold; and Mackay, John D., 4,868,506, Cl. 324-521.000.
Doi, Akio, 4,865,423, Cl. 350-320.000.
Dolivo, Francois B.; and Ungerboeck, Gottfried, 4,890,299, Cl. 375-18.000.
Donohue, Thomas P.; Hohn, Fritz J.; and Sai-Halasz, George A., 4,871,919, Cl. 250-491.100.
Dost, Martin H.; Hopner, Emil; Melas, Constantin M.; and Provazek, Lionel D., 4,875,112, Cl. 360-65.000.
Driscoll, Carleton D.; Najm, Elie M.; and Waechter, Manfred, 4,812,959, Cl. 363-20.000.
Dube, Roger R.; and Yao, Shingshwang, 4,807,970, Cl. 350-3.64.
Duerig, Urs T.; Gimewski, James K.; Greschner, Johann; Pohl, Wolfgang D.; and Wolter, Olaf, 4,806,755, Cl. 250-306.000.
Duerig, Urs T.; Gimzewski, James K.; and Pohl, Wolfgang D., 4,831,614, Cl. 369-101.000.
Dunham, Bradford; Hickson, Jerome B., Jr.; and Lewitan, Hirsh, 4,831,725, Cl. 29-847.000.
Durbeck, Robert C.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, 4,847,636, Cl. 346-140.00R.
Easton, Malcolm C.; and Phipps, Peter B. P., 4,872,071, Cl. 360-31.000.
Economy, James; Susko, John R.; Volksen, Willi; and Wheater, Robin A., 4,818,812, Cl. 528-176.000.
Edel, Stephen F.; and Van Pham, Ich, 4,816,941, Cl. 360-78.120.
Edel, Stephen F.; Workman, Michael L.; Yamamoto, Kenneth G.; and Yu, Mantle M. H., 4,835,633, Cl. 360-78.120.
Edwards, Nathen P., 4,885,627, Cl. 357-59.000.
Eichelberger, Edward B.; Lindbloom, Eric; Motika, Franco; and Waicukauski, John A., 4,801,870, Cl. 324-73.00R.
Eilert, John H.; Frey, Jeffrey A.; Tan, Yih-shin; and Warren, James H., 4,809,157, Cl. 364-200.000.
Elsner, Matthew; Iida, Yoshio; Kwong, Edward Y.; and Rahim, Omar M., 4,839,828, Cl. 364-518.000.
Engler, Edward M.; Lee, Victor Y.; Nazzal, Adel I.; and Parkin, Stuart S. P., 4,870,052, Cl. 505-1.000.
Erickson, James W.; Jeche, Merlyn W.; O'Groske, Rolland D.; and Richter, Gerald L., 4,815,983, Cl. 439-173.000.

Ertingshausen, Friedrich; and Mehrens, Jens D., 4,795,981, Cl. 324-454.000.
Eshel, Marc M., 4,831,541, Cl. 364-200.000.
Estes, Mark W., 4,858,152, Cl. 364-550.000.
Estrada, Suzanne L.; and Ploger, Robert R., III, 4,855,905, Cl. 364-200.000.
Esen, Wolfgang; Hagmann, Dieter; and Trumpp, Hans-Joachim, 4,869,781, Cl. 156-643.000.
Evangelisti, Carlo J.; and Lumelsky, Leon, 4,823,281, Cl. 364-518.000.
Evensen, Mark C., 4,882,699, Cl. 379-284.000.
Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., 4,836,105, Cl. 101-453.000.
Familetti, Harry G.; Lickel, Charles W.; Mauri, Ross A.; Swallow, Mark E.; and Coltin, Janis L., 4,833,594, Cl. 364-200.000.
Feilchenfeld, Natalie B.; Fuerniss, Stephen J.; Glenning, John J.; Pawlowski, Walter P.; Phelan, Giana M.; and Rickerl, Paul G., 4,883,744, Cl. 430-325.000.
Fennema, Alan A., 4,839,876, Cl. 369-32.000.
Ferriter, Kate M.; and Mathis, Robert B., 4,847,761, Cl. 364-401.000.
Ferriter, Kate M.; and Palmer, Elaine R., 4,862,376, Cl. 364-468.000.
Ferriter, Kate M.; and Mathis, Robert B., 4,875,162, Cl. 364-401.000.
Ferro, John T., Jr.; Jacobs, Patrick C.; Laye, Robert M.; and Starr, Brian D., 4,855,907, Cl. 364-300.000.
Fey, Donald; Legg, John T.; and Pierson, Mark V., 4,813,130, Cl. 29-845.000.
Fink, Hans-Werner, 4,804,909, Cl. 324-120.000.
Finlay, David E.; Hanna, Stephen D.; Stevenson, David C.; and Varga, John T., 4,841,453, Cl. 364-519.000.
Fiore, Anthony M.; Hempel, Bruce C.; Laib, Gregory D.; and Liang, Bob C., 4,805,117, Cl. 364-518.000.
Fitzgerald, Brian F.; Nguyen, Kim Y. T.; and Nguyen, Son V., 4,811,067, Cl. 357-23.600.
Fitzgerald, William J., Jr.; and Glemser, Raymond G., II, 4,855,939, Cl. 364-522.000.
Flagello, Donis G.; Wilczynski, Janusz S.; and Witman, David F., 4,840,923, Cl. 437-189.000.
Flannagan, William J.; Kern, Ronald M.; Kulakowski, John E.; and Wagner, Robert E., 4,827,462, Cl. 369-32.000.
Fleet, Russell W.; Long, David C.; Stroms, Karl F.; and Weiss, Gerhard, 4,821,614, Cl. 83-100.000.
Foglia, Henry R., 4,885,747, Cl. 370-123.000.
Fontana, Robert E., Jr.; Howard, James K.; Lee, James H.; and Lefakis, Haralambos, 4,879,619, Cl. 360-113.000.
Foreman, Dennis J.; Hellenga, David A.; and Hill, Richard K., 4,862,349, Cl. 364-200.000.
Fowler, Alan B.; Freeouf, John L.; Kirchner, Peter D.; Warren, Alan C.; and Woodall, Jerry M., 4,811,077, Cl. 357-52.000.
Franaszek, Peter A., 4,814,762, Cl. 340-825.790.
Frank, David J.; and Marks, Ronald F., 4,821,082, Cl. 357-34.000.
Frantz, Billy J.; and Hellstrom, Sven E., 4,823,304, Cl. 364-900.000.
Freeman, William A.; Hurlimann, Daniel E.; Miller, Ernest L.; and Solie, Darryl W., 4,829,462, Cl. 364-715.110.
Frisch, Rudolf A.; and Zamora, Antonio, 4,873,634, Cl. 364-419.000.
Funari, Joseph; Green, Mary C.; Reynolds, Scott D.; and Sammakia, Bahgat G., 4,849,856, Cl. 361-386.000.
Furman, Anatol, 4,882,505, Cl. 307-269.000.
Gaither, William D.; Giovannetti, Laura T.; Grafe, Robert J.; Hall, Linda F.; Meyer, Gregory P.; and Pancoast, Steven T., 4,864,516, Cl. 364-518.000.
Gajda, Joseph J.; Srikrishnan, Kris V.; Totta, Paul A.; and Trudeau, Francis G., 4,839,715, Cl. 357-71.000.
Galkowski, Jan T., 4,803,651, Cl. 364-900.000.
Gallagher, William J.; and Raider, Stanley I., 4,831,421, Cl. 357-5.000.
Galvagni, John; and Miller, Robert A., 4,830,723, Cl. 204-192.170.
Galvagni, John; Oberschmidt, James M.; and Humenik, James N., 4,862,318, Cl. 361-321.000.
Gantenbein, Dieter; Gfeller, Fritz R.; and Mumprecht, Eduard P., 4,809,257, Cl. 370-4.000.
Gardner, David A.; Ryan, James G.; Schaefer, Joseph G.; and Walton, Erick G., 4,840,372, Cl. 228-123.000.
Gardner, Peter A., 4,839,577, Cl. 323-316.000.
Garwin, Richard L.; Levine, James L.; and Schappert, Michael A., 4,845,684, Cl. 367-137.000.
Gates, Stephen M.; Liehr, Michael; Renier, Michel G. E. G.; and Rubloff, Gary W., 4,794,863, Cl. 104-165.000.
Gaudenzi, Gene J.; and Tempest, Susan L., 4,810,962, Cl. 323-314.000.
Gardik, Charles E.; McBride, Donald G.; Seraphim, Donald P.; and Toole, Patrick A., 4,855,867, Cl. 361-306.000.
Gelorme, Jeffrey D.; Cox, Robert J.; and Gutierrez, Sergio A. R., 4,882,245, Cl. 430-14.000.
Georgiou, Christos J., 4,829,511, Cl. 370-4.000.
Georgiou, Christos J.; and Lebizay, Gerald, 4,845,704, Cl. 370-58.000.
Georgiou, Christos J.; Lien, Yeong-Chang L.; and Maruyama, Kiyoshi, 4,879,551, Cl. 340-825.870.
Gerber, Ulrich G.; and Rugar, Daniel, 4,872,078, Cl. 360-114.000.
Giammarco, Nicholas J.; Gimpelson, Alexander; Kaplita, George A.; Lopata, Alexander D.; Scaduto, Anthony F.; and Shepard, Joseph F., 4,871,630, Cl. 430-14.000.
Gillett, John B.; and Spreen, James H., 4,803,609, Cl. 363-17.000.
Gillett, John B.; and Spreen, James H., 4,868,732, Cl. 363-90.000.
Gillett, John B.; Lohrey, Fred H.; and Lorenzen, Jerry A., 4,879,433, Cl. 174-32.000.
Ginther, Joseph G., Jr., 4,853,791, Cl. 358-247.000.
Glang, Reinhard; and Ku, San-Mei, 4,871,684, Cl. 437-31.000.
Glenning, John J.; Johnson, Caryn J.; Pawlowski, Walter P.; and Sakorafos, Kenneth G., 4,857,143, Cl. 156-668.000.
Golladay, Steven D.; Hohn, Fritz J.; and Pfeiffer, Hans C., 4,843,330, Cl. 324-158.00R.
Gonzales, Cesar A.; Mitchell, Joan L.; and Pennebaker, William B., Jr., 4,870,695, Cl. 382-56.000.
Gonzalez-Lopez, Jorge; and Liang, Bob C., 4,855,938, Cl. 364-522.000.
Gonzalez-Lopez, Jorge, 4,862,154, Cl. 340-747.000.
Gonzalez-Lopez, Jorge; Hempel, Bruce C.; and Liang, Bob C., 4,866,637, Cl. 364-518.000.
Goolsbey, Michael A.; Jones, Eugene R.; Micka, William F.; and Robinson, Thomas S., 4,817,186, Cl. 382-9.000.
Goolsbey, Michael A.; Jones, Eugene R.; Micka, William F.; and Robinson, Thomas S., 4,817,186, Cl. 382-9.000.
Goth, George R., 4,824,797, Cl. 437-67.000.
Gover, David J.; and Hawes, Adrian J., 4,833,462, Cl. 340-709.000.
Graham, Patricia K.; and Williams, Robert R., 4,841,232, Cl. 324-73.00R.
Greer, Stuart E.; and Howard, Robert T., Jr., 4,861,425, Cl. 156-644.000.
Gregory, Joseph A.; and Schaum, David L., 4,877,204, Cl. 248-298.000.
Greschner, Johann; Schwerdt, Friedrich W.; and Trumpp, Hans J., 4,857,383, Cl. 428-156.000.
Groves, Timothy R.; Pfeiffer, Hans C.; Stickel, Werner; and Sturans, Maris A., 4,859,856, Cl. 250-398.000.
Gupta, Arunava; and Hussey, Brian W., 4,845,354, Cl. 250-205.000.
Gupta, Satish; Lumelsky, Leon; Mansfield, Robert L.; Romero, Hector G., Jr.; Segre, Marc; Spencer, Alexander K.; St. Clair, Joe C.; and Wagoner, James D., 4,870,406, Cl. 340-70.000.
Gut, George M.; and Monahan, Steven E., 4,810,322, Cl. 156-345.000.
Hailpern, Brent T.; Hoevel, Lee W.; and Shapiro, Eugene, 4,881,164, Cl. 364-200.000.
Halbeisen, Richard A.; Harding, Stephen S.; and Sebrosky, Robert A., 4,867,059, Cl. 101-93.290.
Halbout, Jean-Marc; Ketchen, Mark B.; Moskowitz, Paul A.; and Scheuermann, Michael R., 4,851,767, Cl. 324-158.00P.
Haller, Ivan, 4,888,632, Cl. 357-23.700.
Haller, Melita A.; and Klossner, David J., 4,848,131, Cl. 72-399.000.
Hammer, Robert; and Hedge, Suryanarayan G., 4,868,696, Cl. 360-106.000.
Hannon, David M.; and Horne, Donald E., 4,823,205, Cl. 369-14.000.
Hanson, Charles C.; and Ross, Michael J., 4,831,469, Cl. 360-75.000.
Hanson, Charles W., 4,833,421, Cl. 330-252.000.
Harder, Christoph S.; Jaeckel, Heinz; and Meier, Heinz P., 4,805,179, Cl. 372-47.000.
Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., 4,868,863, Cl. 379-98.000.
Hashihara, Hideharu; and Kitayama, Yu, 4,811,411, Cl. 382-41.000.
Hatchett, Michael R.; and Heath, John S., 4,809,102, Cl. 360-98.000.
Hattori, Etsuo; Iwami, Tomoyuki; Miyazaki, Yoshihiro; and Ohbuchi, Ryutaroh, 4,799,056, Cl. 340-799.000.
Hauris, Jon F., 4,821,183, Cl. 364-200.000.
Heath, Allen W.; Hernandez, Raymond; Hoffman, Virginia M.; Sheppard, Ronald K.; and Stratton, Susan D., 4,858,114, Cl. 364-200.000.
Heath, Chester A.; Jackson, Kevin M.; Judice, Darryl E.; and Pestonji, Hoshang R., 4,890,219, Cl. 364-200.000.
Heath, Douglas C.; Lind, Alan C.; and Schneier, Carol A., 4,845,665, Cl. 364-900.000.
Heiblum, Mordehai; Knoedler, Christina M.; and Thomas, David C., 4,833,517, Cl. 357-34.000.
Helwig, Klaus; Lohlein, Wolfdieter; and Tong, Minh H., 4,811,298, Cl. 365-200.000.
Hempel, Bruce C.; and Liang, Bob C., 4,821,209, Cl. 364-518.000.
Hempel, Bruce C.; Laib, Gregory D.; and Liang, Bob C., 4,870,599, Cl. 364-518.000.
Hendrix, Howard A.; Schmidt, Howard W., Jr.; and Ward, Ernest S., 4,802,968, Cl. 204-298.000.
Hennessy, James P.; Osisek, Damian L.; and Seigh, Joseph W., II, 4,809,168, Cl. 364-200.000.
Herron, Lester W.; Lussow, Robert O.; Nufer, Robert W.; Schwartz, Bernard; Acocella, John; and Reddy, Srinivasa N., 4,879,156, Cl. 428-137.000.
Hitchcock, Leonard J., 4,860,189, Cl. 363-132.000.
Hodgson, Rodney T.; Jones, Harry J.; Ledermann, Peter G.; Reiley, Timothy C.; and Moskowitz, Paul A., 4,814,855, Cl. 174-52.400.
Hodgson, Susan A.; Park, Jae M.; and Thomas, Richard R., 4,868,253, Cl. 525-533.000.
Hoffarth, Joseph G.; and Wiley, John P., 4,868,350, Cl. 174-68.500.
Hoffman, Arthur R., 4,841,310, Cl. 346-75.000.
Hoffman, Harrell; and Wright, Charles G., 4,817,037, Cl. 364-200.000.
Hollis, Ralph L., Jr., 4,874,998, Cl. 318-568.210.
Holmes, Steven J., 4,808,511, Cl. 430-325.000.

Horel, Timothy A.; Hoyt, Edward S.; and Walls, Lloyd A., 4,862,077, Cl. 324-158.00F.
Horner, Eva, Muhl, Reinhold; and Trumpp, Hans-Joachim, 4,816,115, Cl. 156-643.000.
Horsch, Axel, 4,853,851, Cl. 364-300.000.
Horstmann, Richard E.; and Oberschmidt, James M., 4,814,940, Cl. 361-309.000.
Horwath, Ronald S.; Susko, John R.; and Susko, Robin A., 4,830,706, Cl. 156-643.000.
Houser, David E.; and Morenus, Richard J., 4,884,334, Cl. 29-739.000.
Howard, James K.; Toney, Michael F.; and Tsang, Ching H., 4,809,109, Cl. 360-113.000.
Howard, James K., 4,825,325, Cl. 360-113.000.
Howard, Webster E.; and Alt, Paul M., 4,845,482, Cl. 340-805.000.
Hoyt, Roger F.; Jefferson, Carl M.; and Millman, Steven E., 4,841,389, Cl. 360-75.000.
Hrusecky, David A., 4,845,659, Cl. 364-900.000.
Hrustich, John; and Jackson, Earl W., Jr., 4,827,401, Cl. 364-200.000.
Hsu, Yarsun; and Li, Hungwen, 4,851,995, Cl. 364-200.000.
Hwang, Wei; and Lu, Nicky C., 4,816,884, Cl. 357-23.600.
Hwang, Wei; and Lu, Nicky C., 4,833,516, Cl. 357-23.600.
Iida, Hiroyasu, 4,816,812, Cl. 340-721.000.
Inselberg, Alfred, 4,823,272, Cl. 364-461.000.
Irwin, John W.; and Wagoner, James D., 4,859,815, Cl. 178-69.00D.
Iskiyan, James L.; Legvold, Vernon J.; Leung, Peter L. H.; and Martin, Guy E., 4,875,155, Cl. 364-200.000.
Jabusch, John D.; Kovacs, Linda A.; Plzak, Timothy G.; and Richardson, Robert R., 4,890,253, Cl. 364-736.500.
Jackowski, Stefan P.; and Jenkins, Ronald B., 4,809,273, Cl. 371-3.000.
Jackson, Thomas N.; Murakami, Masanori; Price, William H.; Tiwari, Sandip; Woodall, Jerry M.; and Wright, Steven L., 4,849,802, Cl. 357-71.000.
Jackson, Thomas N.; Kleinsasser, Alan W.; and Woodall, Jerry M., 4,860,067, Cl. 357-16.000.
Jackson, Thomas N., 4,872,040, Cl. 557-16.000.
Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; and Schnurmann, Henri D., 4,811,082, Cl. 357-80.000.
Jacobs, Scott L.; McMahon, Maurice T., Jr.; Nihal, Perwaiz; Ozmat, Burhan; Schnurmann, Henri D.; and Zingher, Arthur R., 4,817,093, Cl. 371-25.000.
Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; Schnurmann, Henri D.; and Zingher, Arthur R., 4,866,507, Cl. 357-74.000.
Jagannathan, Rangarajan; Krishnan, Mahadevaiyer; and Wandy, Gregory P., 4,818,286, Cl. 106-1.230.
Johansson, George T.; and Johansson, Maureen B., 4,811,343, Cl. 371-15.000.
Johnson, Donavon W.; Neuman, Grover H.; Sauer, Charles H.; Shaheen-Gouda, Amal A.; and Smith, Todd A., 4,887,204, Cl. 364-200.000.
Johnson, Peter W.; and Quarendon, Peter, 4,814,755, Cl. 340-709.000.
Johnson, William M., 4,803,615, Cl. 364-200.000.
Johnson, William M., 4,811,206, Cl. 364-200.000.
Johnson, William M.; and Wright, Charles G., 4,878,168, Cl. 364-200.000.
Jones, Fletcher; and Logan, Joseph S., 4,818,359, Cl. 204-298.000.
Joseph, Charles A.; and Petrozello, James R., 4,859,268, Cl. 156-275.500.
Jove, Stephen A.; Klaassen, Klaas B.; Nomura, Calvin S.; and vanPeppen, Jacobus C. L., 4,879,610, Cl. 360-67.000.
Juliana, Anthony; Leung, Wai C.; Pan, Victor T.; Rosen, Hal J.; and Strand, Timothy C., 4,873,430, Cl. 250-225.000.
Kamperman, James S., 4,835,847, Cl. 29-840.000.
Kaneko, Hiroshi, 4,817,161, Cl. 381-51.000.
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Kapulka, Kenneth M.; Rader, Holly A.; and Strickland, Jimmy P., 4,878,167, Cl. 364-200.000.
Karabed, Razmik; and Siegel, Paul H., 4,870,414, Cl. 341-57.000.
Karabed, Razmik; and Siegel, Paul H., 4,888,775, Cl. 371-43.000.
Karabed, Razmik; and Siegel, Paul H., 4,888,779, Cl. 371-43.000.
Karidis, John P.; and Pawletko, Joseph P., 4,810,914, Cl. 310-12.000.
Karner, Friedrich A., 4,818,240, Cl. 439-64.000.
Karp, Alan H., 4,866,769, Cl. 380-4.000.
Katz, Slava M., 4,831,550, Cl. 364-513.500.
Kazan, Howard; and Kohake, Ronald W., 4,807,282, Cl. 379-284.000.
Keller, John H.; Selwyn, Gary S.; and Singh, Jyothi, 4,846,920, Cl. 156-345.000.
Kellner, Benedikt M. J.; and Scilla, Salvatore J., 4,808,365, Cl. 264-343.000.
Kelly, Robert E.; and Welch, Peter D., 4,847,789, Cl. 364-522.000.
Kenney, Donald M., 4,801,988, Cl. 357-23.600.
Kenney, Donald M., 4,833,094, Cl. 437-47.000.
Kerbaugh, Michael L.; Koburger, Charles W., III; Lasky, Jerome B.; Parries, Paul C.; and White, Francis R., 4,799,990, Cl. 156-636.000.
Kimmel, Milton J., 4,811,413, Cl. 382-41.000.
Kimmel, Milton J., 4,850,027, Cl. 382-49.000.
Kinnard, J. R., and Oliver, Dennis N., 4,859,911, Cl. 315-169.300.
Kirchner, Peter D.; Warren, Alan C.; Woodall, Jerry M.; and Wright, Steven L., 4,843,450, Cl. 357-52.000.
Kirchner, Peter D.; Marks, Ronald F.; Pettit, George D.; Woodall, Jerry M.; and Wright, Steven L., 4,860,066, Cl. 357-16.000.
Klein, Klaus; Pollmann, Kurt; Schettler, Helmut; Schulz, Uwe; Wagner, Otto M.; and Zuchlke, Rainer, 4,890,238, Cl. 364-491.000.
Knepper, James A., 4,872,661, Cl. 271-273.000.
Korth, Hans E., 4,866,694, Cl. 369-110.000.
Kovac, Caroline A.; Ledermann, Peter G.; and Nguyen, Lou T., 4,881,885, Cl. 425-121.000.
Kraus, Charles J.; and Wu, Leon L., 4,803,595, Cl. 361-412.000.
Kukson, Dean R.; Melas, Constantin M.; and Poss, Joey M., 4,853,802, Cl. 360-65.000.
Kulakowski, John E.; and Means, Rodney J., 4,813,011, Cl. 364-900.000.
Kulakowski, John E.; and Means, Rodney J., 4,814,903, Cl. 360-48.000.
Kulakowski, John E.; and Means, Rodney J., 4,839,877, Cl. 369-48.000.
Kulkarni, Murlidhar V.; and Lancaster, William H., Jr., 4,844,616, Cl. 356-351.000.
Kumar, Manoj; Goyal, Ambuj; and Rathi, Bharat D., 4,813,044, Cl. 371-55.000.
Kuroda, Akihiro; Nishimura, Masafumi; and Sugawara, Kazuhide, 4,829,577, Cl. 381-45.000.
Larson, Tony R.; and Tretter, Larry L., 4,812,687, Cl. 307-601.000.
Lavin, Mark A., 4,876,733, Cl. 382-27.000.
Lawrence, Stephen G. C.; McMorran, Michael A.; and Middleton, Brian H., 4,868,782, Cl. 364-900.000.
Lazzarini, Donald J.; Wiley, John P.; and Wiley, Robert T., 4,864,722, Cl. 29-830.000.
Lebizay, Gerald; Lien, Yeong-Chang; and Tsao, Michael M., 4,817,094, Cl. 371-36.000.
Lebizay, Gerald; Lien, Yeong-Chang; Maruyama, Kioshi; and Schuster, Stanley E., 4,833,670, Cl. 370-58.000.
Lee, Hsing-San, 4,825,410, Cl. 365-189.000.
Lengefeld, Wendell L., 4,837,704, Cl. 364-478.000.
Levin, Arthur L.; Rain, Don W.; and Thomas, David J., 4,821,171, Cl. 364-200.000.
Levy, Jack R.; and Ventrone, Sebastian T., 4,833,602, Cl. 364-900.000.
Li, Hungwen, 4,799,269, Cl. 382-27.000.
Liang, Bob C.; and Gonzalez-Lopez, Jorge, 4,805,116, Cl. 364-521.000.
Liang, Bob C., 4,811,241, Cl. 364-518.000.
Lipschutz, Lewis D., 4,805,831, Cl. 228-180.200.
Lisle, Ronald J.; Moss, Eual A.; and Ryder, John H., 4,843,389, Cl. 341-106.000.
Loeb, David J.; and Milliken, Keith R., 4,849,905, Cl. 364-513.000.
Loeb, David J.; and Milliken, Keith R., 4,890,240, Cl. 364-513.000.
Logue, Joseph C., 4,802,099, Cl. 364-491.000.
Lohlein, Wolf-Dieter; Schettler, Helmut; and Wagner, Otto, 4,845,676, Cl. 365-154.000.
Ludwig, Thomas; Schettler, Helmut; Wagner, Otto; and Zuhlke, Rainer, 4,815,113, Cl. 377-39.000.
Lumelsky, Leon, 4,816,814, Cl. 340-747.000.
Lumelsky, Leon; St. Clair, Joe C.; Mansfield, Robert L.; Segre, Marc; and Spencer, Alexander K., 4,823,286, Cl. 364-521.000.
Lumelsky, Leon, 4,860,248, Cl. 364-900.000.
Mabrouk, Saied A.; and Wheeler, Gerald L., 4,879,577, Cl. 355-208.000.
Mach, Richard E.; and Merrell, Patrick F., 4,835,637, Cl. 360-98.010.
MacWilliams, David; Paton, Duncan A.; Larcombe, Arthur C.; and Baker, Stephen G., 4,850,473, Cl. 198-463.600.
Magdo, Ingrid E.; and Ormond, Douglas W., Jr., 4,805,683, Cl. 156-643.000.
Makansi, Tarek; Melas, Constantin M.; Patel, Arvind M.; and Souther, Steven H., 4,804,959, Cl. 341-59.000.
Malcolm, Jerry W., 4,833,626, Cl. 364-519.000.
Maley, Gerald A.; Mosley, Joseph M.; and Weitzel, Stephen D., 4,829,198, Cl. 307-441.000.
Malkemes, Charles D.; and Cavill, Barry R., 4,844,635, Cl. 400-124.000.
Mandeville, Jon R., 4,853,967, Cl. 382-8.000.
Mansfield, Robert L.; Segre, Marc; Spencer, Alexander K.; and St. Clair, Joe C., 4,808,986, Cl. 340-747.000.
Mansfield, Robert L.; Spencer, Alexander K.; and St. Clair, Joe C., 4,837,563, Cl. 340-732.000.
Marple, Melvyn J.; and Potemski, Andrew S., 4,872,107, Cl. 364-200.000.
Marple, Wendell P., 4,833,346, Cl. 307-359.000.
Martin, Mary S.; Puckett, Harley D., Jr.; and Scrutchin, Thomas W., Jr., 4,870,611, Cl. 364-900.000.
Martin, William C.; and Rohrer, Gene D., 4,876,735, Cl. 382-57.000.
Master, Raj N.; Pittler, Marvin S.; Totta, Paul A.; Ainslie, Norman G.; and Palmateer, Paul H., 4,824,009 Cl. 228-124.000.
Masud, Charles R.; and Wu, Cheng-Teh, 4,878,290, Cl. 29-403.000.
Matyas, Stephen M., Jr.; Meyer, Carl H. W.; and Brachtl, Bruno O., 4,850,017, Cl. 380-21.000.
Mawla, Khalid A., 4,882,508, Cl. 310-13.000.
McKean, Dennis R.; Miller, Robert D.; Walsh, Joseph G.; and Willson, Carlton G., 4,853,315, Cl. 430-192.000.
Meltzer, David, 4,852,095, Cl. 371-26.000.
Mersiovsky, Lynda K.; and Sprott, Charles N., 4,839,857, Cl. 369-25.000.

Michail, Michel S.; and Walsh, James L., 4,806,785, Cl. 307-131.000.
Miessler, Milan; and Pascual, Rafael, 4,798,919, Cl. 178-18.000.
Mikalesen, Donald J.; and Rossnagel, Stephen M., 4,824,544, Cl. 204-298.000.
Miller, Christopher P.; and Patton, Charles S., 4,885,720, Cl. 365-200.000.
Miller, Donald A., 4,809,196, Cl. 364-550.010.
Miller, Victor S.; and Wegman, Mark N., 4,814,746, Cl. 341-95.000.
Millham, Ernest H., 4,855,681, Cl. 328-62.000.
Milster, Thomas D.; and Yao, Shingshwang, 4,823,220, Cl. 369-13.000.
Mitchell, James A.; and Bechdel, John F., 4,841,476, Cl. 364-900.000.
Mitchell, Joan L.; and Pennebaker, William B., 4,799,105, Cl. 358-160.000.
Mitchell, Joan L.; Anderson, Karen L.; and Geortzel, Gerald, 4,888,645, Cl. 358-261.100.
Mitchell, Michael O.; and McGlynn, Kevin P., 4,849,883, Cl. 364-300.000.
Mlynko, Walter E., 4,853,081, Cl. 156-643.000.
Monkowski, Michael D.; and Shepard, Joseph F., 4,847,670, Cl. 357-34.000.
Moore, James A.; Dasheff, Andrew N.; and Kaufman, Frank B., 4,877,718, Cl. 430-326.000.
Moore, James A.; Dasheff, Andrew N.; and Kaufman, Frank B., 4,886,734, Cl. 430-270.000.
Moreau, Wayne M.; and Chiong, Kaolin N., 4,880,722, Cl. 430-192.000.
Mueller, Wolfgang R.; and Spencer, Gwynne W., II, 4,884,237, Cl. 365-63.000.
Mukherjee, Amar; Natarajan, Kadathur S.; and Stone, Harold S., 4,843,567, Cl. 364-513.000.
Murakami, Masanori; and Price, William H., 4,796,082, Cl. 357-71.000.
Nackman, Lee R.; and Srinivasan, Vijay, 4,797,842, Cl. 364-578.000.
Nakagawa, Banri; and Nojima, Katsuyuki, 4,873,514, Cl. 340-726.000.
Napp, Duane T.; and Roche, Kevin J., 4,836,435, Cl. 228-180.200.
Natarajan, Bharath, 4,866,628, Cl. 364-468.000.
Natarajan, Bharath, 4,887,206, Cl. 364-401.000.
Natarajan, Bharath, 4,887,207, Cl. 364-401.000.
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Newell, Darryl C.; Schroeder, Karl F.; and Wilkie, Bruce J., 4,803,720, Cl. 379-202.000.
Ngai, Chuck H.; and Watkins, Gerald J., 4,868,739, Cl. 364-200.000.
Ngai, Chuck H.; and Watkins, Gerald J., 4,884,190, Cl. 364-200.000.
Ngai, Chuck H.; Wassel, Edward R.; and Watkins, Gerald J., 4,888,682, Cl. 364-200.000.
Normington, Glyn; Speed, Robin C. B.; and Tuttle, Graham H., 4,811,205, Cl. 364-900.000.
Nuechterlein, David W.; and Rinaldi, Mark A., 4,876,644, Cl. 364-200.000.
Oakland, Steven F.; and Ogilvie, Clarence R., 4,868,413, Cl. 307-243.000.
Obermarck, Ronald L.; Palmer, John D.; and Treiber, Richard K., 4,847,754, Cl. 364-200.000.
Ogura, Seiki; and Rovedo, Nivo, 4,868,135, Cl. 437-31.000.
Oka, Yoshinobu; and Sato, Koichi, 4,874,931, Cl. 235-379.000.
Oklobdzija, Vojin G., 4,847,759, Cl. 364-200.000.
Olsen, Floyd W., 4,879,661, Cl. 364-483.000.
Ong, Shauchi, 4,858,179, Cl. 364-900.000.
Orr, Michael A.; and Williams, Crawford E., 4,862,350, Cl. 364-200.000.
Ovies, Hernando; Katz, Neil A.; Farrell, Robert H.; and Baker, Ernest D., 4,825,357, Cl. 364-200.000.
Pascoe, Robert A., 4,831,583, Cl. 364-900.000.
Pashby, Richard P.; Phelps, Douglas W., Jr.; Samuelsen, Sigvart J.; and Ward, William C., 4,862,245, Cl. 357-70.000.
Patel, Arvind M., 4,849,975, Cl. 371-38.000.
Pence, Jerry W., 4,876,662, Cl. 364-900.000.
Penn, Steven C.; and Wilkes, Michael D., 4,868,687, Cl. 360-13.000.
Pennebaker, William B.; Mitchell, Joan L.; and Mintzer, Frederick C., 4,885,576, Cl. 340-793.000.
Perry, Kenneth J.; Thefaine, Yannick J.; Hailpern, Brent T.; Hovel, Lee W.; and Shea, Dennis G., 4,885,578, Cl. 340-825.520.
Peterman, Steven; and Stanasolovich, David, 4,855,252, Cl. 437-189.000.
Pham, Xuan N.; and Wilson, John H., 4,841,574, Cl. 381-31.000.
Phelps, Douglas W., Jr.; Redmond, Robert J.; and Ward, William C., 4,796,078, Cl. 357-68.000.
Phelps, Douglas W., Jr.; and Ward, William C., 4,878,108, Cl. 357-81.000.
Phinney, Richard R.; and Strippe, David C., 4,876,114, Cl. 427-45.100.
Picheny, Michael A., 4,817,158, Cl. 381-47.000.
Pohl, Wolfgang D., 4,851,671, Cl. 250-306.000.
Pohl, Wolfgang D.; Gimzewski, James K., and Murait, Paul R., 4,853,810, Cl. 360-103.000.
Pomerene, James H.; Puzak, Thomas R.; Rechtschaffen, Rudolph N.; and Sparacio, Frank J., 4,807,110, Cl. 364-200.000.
Poole, Fred, 4,812,968, Cl. 364-200.000.
Prakash, Ravinder; and Wolfe, Larry L., 4,804,981, Cl. 346-160.000.
Prakash, Ravinder; and Wolfe, Larry L., 4,884,857, Cl. 350-6.800.
Pricer, Wilbur D., 4,816,773, Cl. 330-267.000.
Pricer, Wilbur D.; and Wiedman, Francis W., 4,857,766, Cl. 307-446.000.
Prilik, Ronald J.; and Varner, James R., 4,841,485, Cl. 365-201.000.
Pruett, David R.; Goertzel, Gerald; and Tompson, Gerhard R., 4,837,845, Cl. 382-46.000.
Psaras, Peter A.; Tu, King-Ning; and Thompson, Richard D, 4,803,539, Cl. 357-67.000.
Quarendon, Peter, 4,858,149, Cl. 364-522.000.
Rager, Hans, 4,843,711, Cl. 29-740.000.
Reinsch, Roger A.; and Zimowski, Melvin R., 4,868,744, Cl. 364-280.300.
Rickert, Robert G., 4,808,431, Cl. 427-8.000.
Roberts, Sheldon D.; Samuels, Louann B.; and Shadwick, David T., 4,840,503, Cl. 400-208.000.
Rockett, Leonard R., Jr., 4,797,804, Cl. 365-154.000.
Rockett, Leonard R., Jr., 4,852,060, Cl. 365-154.000.
Rogers, Dennis L.; Woodall, Jerry M.; Pettit, George D.; and McInturff, David T., 4,807,006, Cl. 357-30.000.
Rogers, Lee S.; and Vinal, Albert W., 4,799,115, Cl. 360-66.000.
Rohrer, Charles E.; and Shepherd, Roger D., 4,835,573, Cl. 355-308.000.
Rossi, Renato V.; Starcke, Steven F.; and Swagel, David A., 4,799,119, Cl. 360-123.000.
Rossi, Renato V.; Starcke, Steven F.; and Swagel, David A., 4,847,984, Cl. 29-603.000.
Rudert, John R., Jr., 4,816,692, Cl. 250-492.220.
Rudik, William J.; Schmitt, George P.; and Shipley, John F., 4,855,333, Cl. 522-71.000.
Rudy, Ann M., 4,862,347, Cl. 364-200.000.
Savaglio, Robert J.; and Twombly, Peter A., 4,864,570, Cl. 371-22.400.
Schor, Marshall I., 4,882,691, Cl. 364-513.000.
Scott, John C.; and Shattuck, Meredith D., 4,874,682, Cl. 430-59.000.
Scully, Keith J.; and Singh, Harinder S., 4,807,154, Cl. 364-518.000.
Scully, Keith J.; and Singh, Harinder S., 4,819,191, Cl. 364-518.000.
Scully, Keith J.; and Singh, Harinder S., 4,831,552, Cl. 364-518.000.
Shibano, Kohji, 4,866,785, Cl. 382-49.000.
Shibata, Ichiroh; and Watanabe, Shinpei, 4,845,477, Cl. 340-703.000.
Shih, Shih-Ming; Spanel, Richard J.; Yamamoto, Kenneth G.; and Yu, Mantle M., 4,835,632, Cl. 360-78.040.
Shimada, Kenji, 4,888,707, Cl. 364-513.000.
Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., 4,799,616, Cl. 228-125.000.
Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., 4,869,418, Cl. 228-37.000.
Smith, Normand C., 4,884,905, Cl. 400-124.000.
Smith, Ted M., 4,796,357, Cl. 29-840.000.
Smith, Theoren P., III, 4,812,886, Cl. 357-22.000.
Smith, Theoren P., III, 4,882,608, Cl. 357-22.000.
Snyder, Keith A., 4,829,405, Cl. 361-413.000.
Solomon, Paul M.; and Theis, Thomas N., 4,866,491, Cl. 357-22.000.
Spreen, James H., 4,864,486, Cl. 363-126.000.
Sprogis, Edmund J., 4,801,869, Cl. 324-73.00R.
Stephens, L. Keith, 4,847,785, Cl. 364-518.000.
Stroms, Karl F., 4,872,381, Cl. 83-76.100.
Sueoka, Kuniaki, 4,873,599, Cl. 360-126.000.
Susko, Robin A., and Wilson, James W., 4,885,074, Cl. 204-298.000.
Swix, Scott R.; and Krueger, Leroy A., 4,841,291, Cl. 340-725.000.
Tayler, Gerald E.; and Wagner, Robert E., 4,882,642, Cl. 360-78.110.
Tokuda, Shigeo, 4,829,292, Cl. 340-709.000.
Torres, Robert J., 4,821,211, Cl. 364-521.000.
Tseng, Samuel C., 4,876,607, Cl. 358-261.200.
Vermeulen, Johannes C., 4,799,242, Cl. 375-122.000.
Vinal, Albert W.; and Thompson, David A., 4,816,947, Cl. 360-113.000.
Vinal, Albert W.; and Cunningham, Earl A., 4,860,138, Cl. 360-113.000.
Vincent, James P., 4,881,179, Cl. 364-518.000.
Wang, John S., 4,829,470, Cl. 364-900.000.
Weingart, Steve H., 4,860,351, Cl. 380-3.000.
Werbizky, George G., 4,814,857, Cl. 357-74.000.
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Wilson, Joseph T., III, 4,844,314, Cl. 226-74.000.
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Wittlinger, Jurgen; Greschner, Johann; Bayer, Thomas; and Bartha, Johann W., 4,871,418, Cl. 156-643.000.
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Zamora, Antonio, 4,852,003, Cl. 364-419.000.
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  Krapf, Michael A., 4,835,662, Cl. 362-145.000.
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  Diggle, Brian, 4,820,975, Cl. 324-158.00F.

Duxbury, Colin M.; and Yates, Raymond, 4,797,951, Cl. 455-608.000.
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Buckholz, Lawrence; Byrne, Brian; and Sudol, Marion, 4,882,184, Cl. 426-243.000.
Byrne, Brian, 4,883,680, Cl. 426-534.000.
Katz, Ira; Withycombe, Donald A., deceased; and Hanna, Marie R., 4,847,292, Cl. 514-526.000.
Katz, Ira; and Withycombe, Donald A., 4,853,413, Cl. 514-526.000.
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Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., 4,824,828, Cl. 512-21.000.
Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Schreck, Lisa; and Sands, Keith P., 4,839,083, Cl. 252-174.110.
Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., 4,840,801, Cl. 426-3.000.
Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; and Fenn, Ronald S., 4,853,369, Cl. 512-25.000.
Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., 4,865,853, Cl. 426-3.000.
Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; and Sands, Keith P., 4,879,271, Cl. 512-20.000.
Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; and Sands, Keith P., 4,880,640, Cl. 426-3.000.
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Sprecker, Mark A., 4,806,522, Cl. 512-23.000.
Sprecker, Mark A.; Androulakis, Margo; and Hanna, Marie R., 4,822,515, Cl. 252-174.110.
Sprecker, Mark A.; and Androulakis, Margo, 4,863,631, Cl. 252-174.110.
Stypula, Richard J., 4,877,628, Cl. 426-302.000.
Stypula, Richard J.; and Buckholz, Lawrence, Jr., 4,877,629, Cl. 426-302.000.
Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,446, Cl. 424-84.000.
Wilson, Richard A.; Butler, Jerry F.; Whithycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,448, Cl. 424-84.000.
Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,808,403, Cl. 424-84.000.
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Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,818,526, Cl. 424-84.000.
Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,859,463, Cl. 424-84.000.
Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,876,087, Cl. 424-84.000.
Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,880,625, Cl. 424-84.000.
Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald A.; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,886,662, Cl. 424-84.000.
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Grasso, Albert P.; and Vogel, Wolfgang M., 4,835,072, C 429-12.000.
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Luczak, Francis J.; and Landsman, Douglas A., 4,886,711, C 429-40.000.
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Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J.; Johnson, Karle J.; Smetana, Bruce A.; Westling, Gregory L.; Paneth, Eric; and Yehushua, Moshe, 4,881,240, Cl. 375-15.000.
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Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,888,222, Cl. 428-34.200.
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International Technology Corporation: *See—*
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  de Agudelo, M. M. Ramirez; and Galarraga, C. E., 4,832,829, Cl. 208-251.00R.
  Galiasso, Roberto E.; Belandria, Jose I.; and Caprioli, Pasquale L., 4,801,432, Cl. 422-143.000.
  Kretschmar, Klaus; Merz, Ludwig; Niemann, Klaus; Guitian, Jose; Krasuk, Julio; and Marruffo, Franzo, 4,851,107, Cl. 208-108.000.
  Layrisse, Ignacio; Polanco, Domingo R.; Rivas, Hercilio; Jimenez G., Euler; Quintero, Lirio; Salazar, Jose P.; Rivero, Mayela; Cardenas, Antonio; Chirinos, Maria L.; Rojas, Daysi; and Marquez, Humberto, 4,795,478, Cl. 44-51.000.
  Lon, Jesus R.; Rivas, Olegario; and Zirczy, Geza N., 4,877,542, Cl. 252-62.000.
  Martinez, Nelson P.; Velasquez, Jose R. and Lujano, Juan A., 4,816,135, Cl. 208-120.000.
  Martinez, Nelson P.; Galiasso, Roberto E.; Velasquez, Jose R.; Lujano, Juan; and Zerpa, Carlos, 4,857,494, Cl. 502-210.000.
  Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, Cl. 44-51.000.
  Polanco, Domingo R.; Perez, Jose S.; Grazzina, Euler J.; and Marcano, Niomar, 4,824,439, Cl. 44-51.000.
  Polanco, Domingo R.; Bueno, Cebers O.; Salazar, Ramon; and Chamorra, Felix A. S., 4,832,701, Cl. 44-51.000.
  Ramirez de Aqudelo, Magdalena M.; and Galarraga, Carmen E., 4,888,104, Cl. 208-112.000.
  Rammler, Roland; Weiss, Hans-Jurgen; Herbertz, Hans-Adolf; Solari, Rodolfo B.; and Hidalgo, Rafael, 4,859,284, Cl. 201-12.000.
  Rivas, Olegario; and Newski, Alejandro, 4,871,020, Cl. 166-241.000.
  Rodriguez, Domingo P.; Jimenez, Euler G.; Layrisse, Ignacio; Salazar, Jose P.; and Rivas, Hercilio, 4,834,775, Cl. 44-51.000.
  Velasco R, Leon E.; Hidalgo, Rafael O.; Rodriguez, Joaquin; and Garcia, Wolfgang, 4,795,548, Cl. 208-131.000.
Intex Pharmazeutische Produkte AG: *See—*
  Emoedi, Gabriel, 4,855,284, Cl. 514-3.000.
Intex Recreation Corp.: *See—*
  Chi-Hung, Tseng, 4,807,554, Cl. 114-345.000.
Inti Corporation: *See—*
  Vince, Paul W., 4,877,659, Cl. 428-34.100.
Intichar, Lutz, to Siemens Aktiengesellschaft. Circuit for monitoring a superconducting magnet winding. 4,879,622, 11-7-89, Cl. 361-19.000.
Intissel: *See—*
  Anton, Patrice; and Bergaentzle, Denis, 4,837,077, Cl. 428-240.000.
Intle Corporation: *See—*
  Jungroth, Owen W., 4,858,186, Cl. 365-185.000.
Intlekofer, Michael J.; and Slota, Michael W., to Heart Technology, Inc. Quick acting pin vise for use with angiographic guidewires. 4,858,810, 8-22-89, Cl. 226-127.000.
Intleplex Corp., The: *See—*
  Sues, John M.; and Sun, Jing H., 4,872,198, Cl. 379-377.000.
Intra-Sonix, Inc.: *See—*
  Martinelli, Michael A.; and von Thuna, Peter, 4,821,731, Cl. 128-662.060.
  Martinelli, Michael A., 4,862,893, Cl. 128-662.030.
IntraCel Corporation: *See—*
  Place, John F.; and Bregnard, Andre, 4,810,183, Cl. 425-434.000.
Intravascular Surgical Instruments, Inc.: *See—*
  Kensey, Kenneth; and Nash, John, 4,795,438, Cl. 604-22.000.
Intrieri, Charles J., Jr.: *See—*
  Wu, Ming-Daang; and Intrieri, Charles J., Jr., 4,839,886, Cl. 370-4.000.
Intveld, Dwayne J., to Deere & Company. Loader boom construction. 4,798,512, 1-17-89, Cl. 414-722.000.
Inui, Keiichiro: *See—*
  Yamamoto, Kiyoshi; Nakamura, Toshihiro; Ito, Tadao; and Inui, Keiichiro, 4,797,230, Cl. 252-364.000.
Inui, Masaki, to Toyota Jidosha Kabushiki Kaisha. Gear synchronizer mechanism. 4,809,832, 3-7-89, Cl. 192-53.00F.
Inui, Masaki, to Toyota Jidosha Kabushiki Kaisha. Gear synchronizer for power transmission. 4,838,399, 6-13-89, Cl. 192-53.00F.
Inui, Masaki, to Toyota Jidosha Kabushiki Kaisha. Gear synchronizer for power transmission. 4,842,112, 6-27-89, Cl. 192-53.00F.
Inui, Masaki; and Ishikawa, Masakazu, to Toyota Jidosha Kabushiki Kaisha. Manual transmission for motor vehicle. 4,869,122, 9-26-89, Cl. 74-331.000.
Inui, Masaki; Okuda, Shozo; and Hosono, Masaki, to Toyota Jidosha Kabushiki Kaisha. Gear synchronizer mechanism. 4,875,566, 10-24-89, Cl. 192-53.00F.
Inui, Masaki: *See—*
  Nagano, Shuji; and Inui, Masaki, 4,876,919, Cl. 74-650.000.
Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kanai, Makoto, to Toyoda Gosei Co., Ltd. Steering wheel segmented slip ring and contact pin assembly. 4,868,355, 9-19-89, Cl. 200-61.540.
Inui, Shuji: *See—*
  Hayashi, Chikahisa; Inui, Shuji; Hiramitsu, Tetsushi; Hirano, Atsuo; and Kantoh, Takanori, 4,804,857, Cl. 307-10.00R.
Inui, Takashi: *See—*
  Naito, Atsushi; Nakatsuka, Kiyoshi; Inui, Takashi; and Suzuki, Tomohiro, 4,808,857, Cl. 307-530.000.
Inui, Tetsuya: *See—*
  Deguchi, Toshihisa; Fujii, Yoshikazu; Inui, Tetsuya; Ohta, Kenji; and Katoh, Schohichi, 4,881,216, Cl. 369-54.000.
  Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Katayama, Hiroyuki; Hirokane, Junji; and Murakami, Yoshiteru, 4,818,648, Cl. 430-17.000.
  Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Hirokane, Junji; and Katayama, Hiroyuki, 4,839,251, Cl. 430-5.000.
Inui, Tomoyuki, to Showa Shell Sekiyu Kabushiki Kaisha. Process for producing lower olefinic hydrocarbons from methanol. 4,843,183, 6-27-89, Cl. 585-640.000.
Inui, Toshiharu, to Canon Kabushiki Kaisha. Image recording apparatus and method. 4,888,601, 12-19-89, Cl. 346-76.0PH.
Inui, Toshiharu: *See—*
  Nakajima, Kazuhiro; Inui, Toshiharu; Ishikawa, Noriyoshi; and Miyagawa, Masashi, 4,847,110, Cl. 427-25.000.
Inui, Tsuneo: *See—*
  Kawamura, Hiroaki; Matsubara, Masanobu; Yoshioka, Osamu; and Inui, Tsuneo, 4,816,348, Cl. 428-629.000.
Inujima, Takashi: *See—*
  Hayashi, Shigenori; Hirose, Naoki; Inujima, Takashi; and Ito, Kenji, 4,803,095, Cl. 427-54.100.
  Yamazaki, Shunpei; Inujima, Takashi; Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Hamatani, Toshiji; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,799,776, Cl. 350-350.00S.
  Yamazaki, Shunpei; Inujima, Takashi; Konuma, Toshimitsu; Hamatani, Toshiji; Mase, Akira; Sakama, Mitsunori; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,861,143, Cl. 350-350.00S.
  Yamazaki, Shunpei; and Inujima, Takashi, 4,861,622, Cl. 427-54.100.
  Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.
Inukai, Masahiro; and Matsuoka, Hiroshi, to Bando Chemical Industries, Ltd. V belt with blocks. 4,813,920, 3-21-89, Cl. 474-240.000.
Inukai, Shinji; Kuno, Nobuyoshi; Takanishi, Hiroyoshi; and Sasaki, Hiroki, to Kabushiki Kaisha Toshiba. Headlight for vehicle. 4,799,135, 1-17-89, Cl. 362-296.000.
Inukai, Shinji; Honda, Kazuo; and Kamiya, Akihiro, to Kabushiki Kaisha Toshiba. Metal vapor discharge lamp with radioactively impregnated ceramic material body. 4,827,176, 5-2-89, Cl. 313-54.000.
Inukai, Takahito: *See—*
  Suehiro, Tsutomu; Uchiyama, Hitoshi; Inukai, Takahito; and Saito, Tsunenari, 4,858,016, Cl. 358-246.000.
Inukai, Takashi; Furukawa, Kenji; Terashima, Kanetsugu; and Saito, Shinichi, to Chisso Corporation. 4'optically active alkoxy-4-alkoxy carbonyloxy-bipheneyl and mixtures thereof. 4,820,444, 4-11-89, Cl. 252-299.650.
Inukai, Takashi: *See—*
  Inoue, Hiromichi; Saito, Shinichi; Miyazawa, Kazutoshi; Inukai, Takashi; and Terashima, Kanetsugu, 4,834,907, Cl. 252-299.650.
  Inoue, Hiromichi; Inukai, Takashi; Ohno, Kouji; Miyazawa, Kazutoshi; and Saito, Shinichi, 4,865,763, Cl. 252-299.610.
  Miyazawa, Kazutoshi; Saito, Shinichi; Inoue, Hiromichi; Inukai, Takashi; and Terashima, Kanetsugu, 4,816,181, Cl. 252-299.650.
  Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,818,432, Cl. 252-299.660.
  Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,886,622, Cl. 252-299.610.
  Ohno, Kouji; Inoue, Hiromichi; Inukai, Takashi; Saito, Shinichi; and Miyazawa, Kazutoshi, 4,795,587, Cl. 252-299.610.
  Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,429, Cl. 252-299.610.
  Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,430, Cl. 252-299.610.
Inukai, Tsutomu: *See—*
  Seno, Makito; Misawa, Yoshihiko; and Inukai, Tsutomu, 4,794,689, Cl. 29-740.000.
Inuki, Hisao: *See—*
  Takahashi, Kozo; Masuda, Yoshihisa; and Inuki, Hisao, 4,837,582, Cl. 343-719.000.
Inuma, Mutsumi; and Suzuki, Masao, to Canon Kabushiki Kaisha. Image pickup system having a lens assembly and means for providing information relating to the spectral characteristic of the lens assembly. 4,851,897, 7-25-89, Cl. 358-29.000.

Inumaru, Naoki: *See—*
  Ohshita, Takahiro; Higo, Tsutomu; Kosugi, Shigeru; Inumaru, Naoki; and Kawaguchi, Hajime, 4,823,740, Cl. 122-4.00D.
Inushima, Takashi: *See—*
  Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,820,612, Cl. 430-315.000.
  Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,828,967, Cl. 430-315.000.
  Yamazaki, Shunpei; Inushima, Takashi; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; and Sakama, Mitsunori, 4,844,588, Cl. 350-339.00R.
  Yamazaki, Shunpei; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; Sakama, Mitsunori; and Inushima, Takashi, 4,855,805, Cl. 357-58.000.
Inutsuka, Hideo: *See—*
  Fukuda, Morio; Hanada, Masayuki; Inutsuka, Hideo; and Ogata, Katsuya, 4,802,840, Cl. 425-464.000.
Inuyama, Toshihiko; Kimizuka, Junichi; Kusano, Akihisa; Sato, Kaoru; and Soya, Takashi, to Canon Kabushiki Kaisha. Light quantity control device. 4,890,288, 12-26-89, Cl. 372-31.000.
Inuyama, Toshihiko: *See—*
  Kimizuka, Junichi; Ushio, Yukihide; Seto, Kaoru; Hori, Kenjiro; and Inuyama, Toshihiko, 4,882,782, Cl. 361-100.000.
  Soya, Takashi; Kimizuka, Junichi; Inuyama, Toshihiko; and Noguchi, Yasutaka, 4,816,845, Cl. 346-108.000.
Inuzuka, Kenichi: *See—*
  Shirasaki, Yoshikazu; and Inuzuka, Kenichi, 4,840,826, Cl. 428-36.910.
Inuzuka, Toshio; Hasegawa, Tsutomu; Tomikawa, Minato; and Aoki, Shigeru, to Nippon Glass Fiber Co., Ltd.; and Chiyoda Corporation. Prepreg sheet for flake lining and lining process using the same. 4,889,766, 12-26-89, Cl. 428-324.000.
Inuzuka, Tsuneki; Maeshima, Katsuyoshi; and Tomosada, Masahiro, to Canon Kabushiki Kaisha. Copying apparatus. 4,839,698, 6-13-89, Cl. 355-243.000.
Inuzuka, Yutaka, to Toyota Jidosha Kabushiki Kaisha. Upper support for a suspension of a vehicle. 4,798,370, 1-17-89, Cl. 267-220.000.
Inuzuka, Yutaka: *See—*
  Tanaka, Hiroaki; Inuzuka, Yutaka; and Takeo, Hideki, 4,813,507, Cl. 180-88.000.
Inuzuka, Yutake: *See—*
  Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.
Invacare Corporation: *See—*
  Disbrow, Richard A.; and Blanchard, Russel O., 4,811,945, Cl. 272-73.000.
  Fought, Gerald E.; and Herrmann, Raymond J., 4,887,830, Cl. 280-304.100.
  Haury, Gilbert E.; Patel, Nathalal C.; Lockard, Walter G.; Wiatrak, Thomas R.; and Curran, Neal J., 4,805,925, Cl. 280-250.100.
  Lockard, Walter G.; Hoekstra, Herbert J.; Boris, Allen J.; and Nickles, Douglas M., 4,813,693, Cl. 280-42.000.
  Lockard, Walter G.; Boris, Allen J.; and Kosc, Wieslaw, 4,840,390, Cl. 280-250.100.
  Patel, Nathalal G.; Tuckowski, Thomas J.; and Herrmann, Raymond J., 4,834,413, Cl. 280-304.100.
Inventa Chemicals Limited: *See—*
  Wiley, Michael J.; Irving, Stewart; and McKeon, John P., 4,837,453, Cl. 307-10.200.
Inventa Electronics Co., Ltd.: *See—*
  Wen, Sayling, 4,825,464, Cl. 379-354.000.
  Wen, Sayling, 4,835,625, Cl. 360-6.000.
  Wen, Sayling, 4,847,895, Cl. 379-199.000.
  Wen, Sayling, 4,881,260, Cl. 379-76.000.
  Yeh, Kou-I, 4,802,208, Cl. 379-216.000.
  Yeh, Kou-I, 4,856,056, Cl. 379-375.000.
Inventing S.A.: *See—*
  Ericksson, Tore, 4,880,672, Cl. 427-356.000.
Inventio AG: *See—*
  Kindler, Gerhard, 4,887,695, Cl. 187-116.000.
  Klingbeil, Klaus-Jurgen; and Woyciel, Horst, 4,828,075, Cl. 187-115.000.
  Klingbeil, Klaus-Jurgen, 4,844,205, Cl. 187-116.000.
  Kotkata, Nabil; Blondiau, Mark D.; and Rulke, Gerhart, 4,863,006, Cl. 198-323.000.
  MacDonald, Robert C.; and Abrego, Elsa, 4,875,554, Cl. 187-124.000.
  Schroder, Joris, 4,836,336, Cl. 187-121.000.
  Schroder, Joris, 4,864,208, Cl. 318-603.000.
  Schroder, Joris, 4,869,348, Cl. 187-127.000.
  Schroder, Joris, 4,878,562, Cl. 187-127.000.
Invention Design Engineering Associates, Inc.: *See—*
  Pearson, Rune S., 4,878,801, Cl. 414-411.000.
Inventions, Inc.: *See—*
  Szlam, Aleksander; Crooks, James W., Jr.; and Marks, Curtis G., 4,797,911, Cl. 379-67.000.
Inventures, Inc.: *See—*
  Malette, William G., 4,828,552, Cl. 604-319.000.
Inverni Della Beffa Industria Chimico Farmeceutica Derivati Naturali: *See—*
  Foresta, Piero; Ghirardi, Orlando; Gabetta, Bruno; and Cristoni, Aldo, 4,879,376, Cl. 536-18.100.
Inverni Della Beffa S.p.A.: *See—*
  Bombardelli, Ezio; and Mustich, Giuseppe, 4,870,179, Cl. 546-67.000.
  Gabetta, Bruno; Magistretti, Maria J.; and Dostert, Philippe, 4,863,956, Cl. 514-453.000.
  Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, 4,879,311, Cl. 514-533.000.
  Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, 4,886,791, Cl. 514-100.000.
Invernizzi, Cesare G., to E. F. International S.A. Carrier system for lightning current. 4,816,611, 3-28-89, Cl. 174-2.000.
Invernizzi, Renzo; Masi, Francesco; and Moalli, Angelo. Catalyst component for polymerizing ethylene or copolymerizing ethylene with an alpha-olefin. 4,843,049, 6-27-89, Cl. 502-9.000.
Investronica, S.A.: *See—*
  Alcantara, Bernardo P.; Diaz-Zorita, Fernando; and Becerra, Rodrigo C., 4,835,872, Cl. 33-18.100.
  Andrada Galan, Mario; Romero Lledo, Antonio; and Calzado Requena, Vincente, 4,853,866, Cl. 364-470.000.
  Romero Lledo, Antonio; Diaz-Zorita, Fernando; and Cristos, Juan, 4,878,577, Cl. 198-803.900.
Invictus, Inc.: *See—*
  Munsch, John M.; Ruby, Mark D.; Schnell, William J.; and Miller, Jimmy L., 4,794,926, Cl. 128-314.000.
Invivo Research, Inc.: *See—*
  Nelson, John R.; and Lehman, Thomas F., 4,877,197, Cl. 242-68.700.
Involvo AG: *See—*
  Roth, Oscar, 4,842,572, Cl. 493-357.000.
Inwave Corporation: *See—*
  Harris, Lee M.; Evans, Dix L.; and Midwinter, Elizabeth A., 4,839,635, Cl. 340-752.000.
Inzhenerny, Tsentr, Po, Selskokhozyaistvenno Vodosnabheniju, I, Truboprovodam: *See—*
  Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Oleinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-18.000.
Inzhenerny Tsentr "Truboprovod" : *See—*
  Shishkin, Viktor V., 4,832,843, Cl. 210-356.000.
  Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; Oleinik, Viktor N.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chajuk, Igor A.; Lipatov, Jury S.; Veselovsky, Roman A.; and Kiselevsky, Boris A., 4,865,673, Cl. 156-156.000.
Inzinna, Louis P.: *See—*
  Nied, Herman F.; and Inzinna, Louis P., 4,838,974, Cl. 156-222.000.
  Stokes, Vijay K.; and Inzinna, Louis P., 4,844,320, Cl. 228-102.000.
Io, Shinichi, to Atsugi Motor Parts Company Limited. Accelerometer. 4,870,864, 10-3-89, Cl. 73-517.00R.
Ioannidis, George A.: *See—*
  Hopwood, Francis W.; Kane, Jerry A.; Ioannidis, George A.; and Decker, Martin J., 4,847,624, Cl. 342-201.000.
Ioannou, John T., to Aluminum Company of America. Stress and temperature mapping using an array of optical fibers and charge coupled devices. 4,820,917, 4-11-89, Cl. 250-227.000.
Ioffe, Zosim: *See—*
  Morawetz, Peter L.; and Ioffe, Zosim, 4,887,603, Cl. 128-422.000.
Iofis, Naum A.: *See—*
  Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P.; Kovarsky, Alexandr V.; and Egorov, Jury G., 4,805,424, Cl. 66-194.000.
Iohara, Kohichi: *See—*
  Suzuki, Togi; Ohwaki, Shinji; Yamada, Setsuo; Yamada, Hironori; Ogawa, Kimihiro; and Iohara, Kohichi, 4,851,504, Cl. 528-287.000.
Ioka, Hideyuki: *See—*
  Kawazoe, Takashi; Tsuchiya, Kiyoshi; and Ioka, Hideyuki, 4,808,866, Cl. 310-68.00D.
  Tsuchiya, Kiyoshi; Ioka, Hideyuki; and Takahashi, Hideyuki, 4,841,182, Cl. 310-68.00D.
Ioka, Tadashi, to Mazda Motor Corporation. Air intake structure of an automobile. 4,819,550, 4-11-89, Cl. 98-2.170.
Iolab Corporation: *See—*
  Akhavi, David S., 4,847,020, Cl. 264-2.200.
  Dunks, Gary B.; Yamada, Akira; Doddi, Namassivaya; and Beard, Charles D., 4,803,254, Cl. 525-477.000.
  Holmes, Martin J.; and Harris, Ron, 4,880,000, Cl. 128-303.00R.
Iomega Corporation: *See—*
  Jones, David E.; and McMurtrey, David S., 4,855,849, Cl. 360-97.010.
Iomoda, Takashi: *See—*
  Miyamoto, Noritaka; Koujiya, Miyuki; Miyake, Joji; Iomoda, Takashi; Ohsawa, Hidetoshi; and Nagami, Tetsuo, 4,885,213, Cl. 428-612.000.
Ion Implant Services: *See—*
  Weisenberger, Wesley, 4,831,270, Cl. 250-492.200.
Ion Systems, Inc.: *See—*
  Steinman, Arnold J.; Yost, Michael G.; and Gehlke, Donald A., 4,809,127, Cl. 361-213.000.
  Yost, Michael G., 4,827,371, Cl. 361-213.000.
Iona Appliances Inc.: *See—*
  Hetherington, Michael W.; Garner, David P.; and Millman, Allan D., 4,798,613, Cl. 55-52.000.
Ionen Mikrofabrikations Systeme Gesellschaft mbH: *See—*
  Stengl, Gerhard; and Loschner, Hans, 4,823,011, Cl. 250-491.100.

Ionescu, Alexandru D.: *See—*
Borcea, Nicky; and Ionescu, Alexandru D., 4,874,194, Cl. 294-88.000.
Ionescu, Tudor V.: *See—*
Gendron, Robert F.; Stacy, E. Webb, Jr.; and Ionescu, Tudor V., 4,860,204, Cl. 364-300.000.
Ionics, Incorporated: *See—*
Hodgdon, Russell B.; and Alexander, Samuel S., 4,851,100, Cl. 204-296.000.
MacDonald, Russell J., 4,822,471, Cl. 204-301.000.
Parsi, Edgardo J., 4,871,431, Cl. 204-182.400.
Susa, Thomas J., 4,806,291, Cl. 264-41.000.
Waite, Warren A., 4,802,984, Cl. 210-490.000.
Ionor, Inc.: *See—*
Eichel, Herman J.; and Massman, Brent D., 4,822,619, Cl. 424-492.000.
Ioptex Research, Inc.: *See—*
Gupta, Amitava, 4,813,956, Cl. 623-6.000.
Gupta, Amitava, 4,834,750, Cl. 623-6.000.
Iorio, Theodore L., to Copley Pharmaceuticals, Inc. High dose calcium tablet. 4,812,303, 3-14-89, Cl. 424-44.000.
Iota Instrumentation Company: *See—*
Kubik, James C., 4,869,575, Cl. 350-174.000.
IOTEC Manufacturing, Inc.: *See—*
Proctor, Earl M., 4,846,060, Cl. 101-228.000.
Iotti, Alcide: *See—*
Bolzani, Otello; and Iotti, Alcide, 4,821,632, Cl. 99-330.000.
Iovine, Carmine P.; and Nowak, Frank A., Jr., to National Starch and Chemical Corporation. Hair care compositions. 4,803,071, 2-7-89, Cl. 424-70.000.
Iovine, Carmine P.: *See—*
Chiao, Wen B.; Iovine, Carmine P.; and Gold, Samuel, 4,888,250, Cl. 428-514.000.
Iowa Engineered Processes, Corp.: *See—*
Crouch, Brian E.; and Roach, Maurice P., 4,829,714, Cl. 51-17.000.
Iowa State University Research Foundation, Inc.: *See—*
Ankeny, Mark D.; Kaspar, Thomas C.; and Horton, Robert, Jr., 4,884,436, Cl. 73-38.000.
Barua, Arun B.; and Olson, James A., 4,855,463, Cl. 549-417.000.
Brown, Robert C., 4,865,122, Cl. 165-104.160.
Chriswell, Colin D.; Kaushik, Surender M.; Shah, Navin D.; and Markuszewski, Richard, 4,859,212, Cl. 44-622.000.
Conzemius, Robert J., 4,818,862, Cl. 250-287.000.
Damento, Michael A.; and Gschneidner, Karl A., Jr., 4,824,826, Cl. 505-1.000.
Eckels, David E.; and Hass, William J., 4,834,645, Cl. 431-4.000.
Ekberg, Carl E., Jr., 4,809,474, Cl. 52-223.00R.
Hsu, David K.; and Thompson, Donald O., 4,810,462, Cl. 419-8.000.
Kostic, Nenad M.; and Zhou, Xia-Ying, 4,857,231, Cl. 252-408.100.
Larock, Richard C.; and Baker, Bruce E., 4,879,426, Cl. 585-469.000.
Larock, Richard L., 4,814,490, Cl. 560-120.000.
Larok, Richard C.; and Babu, Srinivasan, 4,868,304, Cl. 546-141.000.
Lillie, Jean L., 4,848,325, Cl. 128-25.00R.
McConnell, Kenneth G., 4,854,541, Cl. 248-565.000.
Nissen, Steven L., 4,835,185, Cl. 514-557.000.
Nissen, Steven L., 4,883,817, Cl. 514-557.000.
Parks, Gerald A., 4,873,405, Cl. 200-547.000.
Patterson, Patrick E.; and Katz, Judd A., 4,808,187, Cl. 623-25.000.
Platt, Kenneth B., 4,820,629, Cl. 435-5.000.
Schmidt, Frederick A.; Verhoeven, John D.; and Gibson, Edwin D., 4,832,738, Cl. 75-10.230.
Skarr, Steven B.; and Brockman, William H., 4,833,383, Cl. 318-568.160.
Synovec, Robert E.; and Yueng, Edward S., 4,875,169, Cl. 364-497.000.
Thompson, Donald O.; and Wormley, Samuel J., 4,817,016, Cl. 364-507.000.
Verhoeven, John D.; McMasters, O. Dale; Gibson, Edwin D.; Ostenson, Jerome E.; and Finnemore, Douglas K., 4,818,304, Cl. 148-103.000.
Verhoeven, John D.; and McMasters, O. Dale, 4,849,034, Cl. 148-100.000.
Verkade, John G., 4,885,376, Cl. 556-18.000.
Young, Donald F.; Waite, Leroy R.; Ford, Stephen P.; and Conley, Alan J., 4,869,260, Cl. 128-662.040.
Ip, Matthew, to Halliburton Logging Services, Inc. Universal cable head for a multiconductor logging cable. 4,874,327, 10-17-89, Cl. 439-275.000.
Ip, Stephen H.: *See—*
Kung, Patrick C.; Brown, Michael C.; and Ip, Stephen H., 4,845,026, Cl. 435-5.000.
Ipatec S.A.: *See—*
Deglise, Rene , 4,798,039, Cl. 53-432.000.
Ipcinski, Ralph G.; and Odom, Douglas M., to AMP Incorporated. Low force membrane switch. 4,818,827, 4-4-89, Cl. 200-5.00A.
IPCO Corporation: *See—*
Miller, Alan N., 4,834,095, Cl. 128-303.140.
Weintraub, Yuri, 4,831,066, Cl. 523-116.000.
Weissman, Bernard, 4,801,264, Cl. 433-74.000.
Weissman, Bernard, 4,817,839, Cl. 225-2.000.
Weissman, Bernard, 4,820,159, Cl. 433-225.000.
Weissman, Bernard, 4,850,874, Cl. 433-225.000.
Weissman, Bernard, 4,854,871, Cl. 433-166.000.
Weissman, Bernard, 4,885,965, Cl. 83-100.000.
IPL Inc.: *See—*
Lesquir, Dominique, 4,884,365, Cl. 47-52.000.
Lesquir, Dominique, 4,887,387, Cl. 47-52.000.
Poirier, Charles, 4,821,910, Cl. 220-266.000.
Ippen, Heiko; and Preusker, Werner. Antiskid device, particularly for pneumatically tired vehicle wheels on snow and ice surfaces. 4,854,359, 8-8-89, Cl. 152-216.000.
Ippers, Karl: *See—*
Gierse, Franz J.; Pabst, Manfred; Hermanns, Heinz; Ippers, Karl; Krenn, Stephan; Huppe, Friedrich; Opgenoorth, Carl H.; and Wolters, Conrad, 4,858,843, Cl. 242-65.000.
Ippolito, Luigi P.: *See—*
Bertone, Antonino; and Ippolito, Luigi P., 4,807,946, Cl. 303-115.000.
Ipri, Alfred C.: *See—*
Kaganowicz, Grzegorz; Robinson, John W.; and Ipri, Alfred C., 4,804,640, Cl. 437-236.000.
Plus, Dora; and Ipri, Alfred C., 4,864,380, Cl. 357-42.000.
Plus, Dora; and Ipri, Alfred C., 4,872,141, Cl. 365-154.000.
Stewart, Roger G.; and Ipri, Alfred C., 4,828,365, Cl. 350-339.00F.
IPRX, Inc.: *See—*
Higuchi, Takeru, deceased; Higuchi, Kenji W., co-executor; and Wong, Ooi, 4,845,233, Cl. 548-320.000.
IPS Interproject Service AB: *See—*
Axelsson, Carl I.; Brunner, Mikael; Kaufmann, Dan; and Tonsell, Krister, 4,834,791, Cl. 75-26.000.
Ipsco Inc.: *See—*
Boratto, Francisco; Yue, Stephen; and Jonas, John J., 4,840,051, Cl. 72-11.000.
Zimmer, James M.; and Bailey, William D., 4,865,662, Cl. 148-329.000.
Ipsen Industries International Gesellschaft mit beschrankter Haftung *See—*
Edenhofer, Bernd; and Pfau, Hans, 4,881,982, Cl. 148-16.500.
IQ (Bio) Limited: *See—*
Appleton, Peter N., 4,830,960, Cl. 435-7.000.
Iqbal, Abul: *See—*
Wallquist, Olof; Iqbal, Abul; Pfenninger, Johannes; and Rochat, Alain C., 4,810,802, Cl. 548-453.000.
Iqbal, Muhammad, to Stanadyne, Inc. Mixing valve adjustable temperature stop. 4,813,455, 3-21-89, Cl. 137-625.170.
Iqbal, Muhammad; and Buccicone, Dana F., to Kohler Co. Valve for faucet or the like. 4,821,765, 4-18-89, Cl. 137-270.000.
Iqbal, Muhammad, to Kohler Co. Diverter valve and vacuum breaker usable therewith. 4,874,006, 10-17-89, Cl. 137-119.000.
Iqbal, Tahir; Cain, John H., Jr.; and Slosky, Jack J., to Du Pont de Nemours, E. I., and Company. Tris(isonitrile)copper(I) adducts for preparing radionuclide complexes. 4,885,100, 12-5-89, Cl. 252-1.000.
Iqbal, Zafar: *See—*
Maxfield, MacRae; Baughman, Ray H.; Iqbal, Zafar; and Eckhardt, Helmut, 4,870,051, Cl. 505-1.000.
Iguchi, Kazuo; Soejima, Tetsuo; and Murano, Kazuo, to Fujitsu Limited. Multiplexing apparatus having BSI-code processing and bit interleave functions. 4,829,518, 5-9-89, Cl. 370-100.000.
Irace, Joseph E.: *See—*
Mendenhall, Abraham H.; and Irace, Joseph E., 4,808,421, Cl. 426-107.000.
Irace, Joseph F.: *See—*
Mendenhall, Abraham H.; Irace, Joseph F.; and Skudrzyk, Joseph, 4,874,620, Cl. 426-113.000.
Iraci, Frank J., to Ark Welding Co., Inc. Plowing device. 4,807,375, 2-28-89, Cl. 37-236.000.
Irani, Cyrus A. Solubilizing surfactants in miscible drive solvents. 4,828,029, 5-9-89, Cl. 166-268.000.
Irani, Cyrus A.; Cozewith, Charles; and Kasegrande, Stephen S., to Exxon Research & Engineering Company. Method for high temperature phase separation of solutions containing polymers. 4,857,633, 8-15-89, Cl. 528-498.000.
Iranmanesh, Ali; and Thomas, Mammen, to Advanced Micro Devices, Inc. Method for making bipolar and CMOS integrated circuit structures. 4,800,171, 1-24-89, Cl. 437-31.000.
Iranmanesh, Ali, to Advanced Micro Devices, Inc. Process for patterning films in manufacture of integrated circuit structures. 4,829,025, 5-9-89, Cl. 437-228.000.
Irazoqui, Carlos A.; and Gibbs, Terence, to Novatek Medical Inc. Device for removing and retaining contaminated stoppers. 4,869,133, 9-26-89, Cl. 81-3.080.
Irbit Research & Consulting AG: *See—*
Tschudin-Mahrer, Rolf, 4,837,064, Cl. 428-71.000.
Tschudin-Mahrer, Rolf, 4,839,223, Cl. 428-317.100.
Tschudin-Mahrer, Rolf, 4,867,271, Cl. 181-290.000.
Irby, George P., III; and Rosenthal, Stephen L., to Metagram Services Inc. Subscriber inventory network. 4,887,077, 12-12-89, Cl. 340-825.470.
IRD Mechanalysis, Inc.: *See—*
Cary, Andrew S.; and Rutter, Carl A., 4,827,771, Cl. 73-644.000.
Kincaid, Harry R.; and Riggs, Walter S., 4,858,470, Cl. 73-654.000.
Ire-Celltarg S.A.: *See—*
Trouet, Andre; Dejonghe, Jean-Paul; Collard, Marie-Paule; and Rao, Bhushana K. S. P., 4,831,038, Cl. 514-283.000.
IRECO, Incorporated: *See—*
Jensen, Finn; and Nadherny, Rudolph E., 4,842,459, Cl. 410-97.000.
Jensen, Finn; and Nadherny, Rudolph E., 4,886,404, Cl. 410-97.000.
McKenzie, Lee F.; and Lawrence, Lawrence D., 4,820,361, Cl. 149-2.000.

Roberts, Brian E., 4,813,358, Cl. 102-313.000.
Sadweeks, Walter B.; and Lawrence, Lawrence D., 4,867,920, Cl. 264-3.100.
Iredale, Peter J.: *See—*
Schuck, Hansjochen; Iredale, Peter J.; and Johnson, Alan, 4,804,632, Cl. 436-143.000.
Irelan, John A., to Coachmen Industries, Inc. Towable camper. 4,842,325, 6-27-89, Cl. 296-146.000.
Ireland, Anthony J.: *See—*
Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., 4,806,097, Cl. 432-60.000.
Ireland, Elton H.: *See—*
Ballor, John R.; Ireland, Elton H.; and Bien, Alfred A., 4,848,032, Cl. 49-350.000.
Ireland, John A., to Bendix Electronics Limited. Electromagnetic damped inertia sensor. 4,873,401, 10-10-89, Cl. 200-61.45M.
Ireland, Russ L. Paint brush holder. 4,854,470, 8-8-89, Cl. 220-90.000.
Irga S.p.A.: *See—*
De Lucchi, Cesare, 4,869,413, Cl. 226-190.000.
Irgang, Matthias: *See—*
Marosi, Laszlo; Stabenow, Joachim; Eger, Knut; Irgang, Matthias; and Zirker, Guenter, 4,849,395, Cl. 502-251.000.
Iri, Eiji; and Tabira, Masatoshi, to Dainichi-Nippon Cables, Ltd.; Meiko Electronics Co., Ltd.; and Nichiei Yauhin Kogyo Co., Ltd. Connector for optical fiber. 4,850,664, 7-25-89, Cl. 350-96.200.
Iri, Tetsuo: *See—*
Machida, Hisashi; Iri, Tetsuo; and Terakawa, Nobuyuki, 4,862,862, Cl. 123-609.000.
Irick, Virgil, Jr.: *See—*
Dwivedi, Ratnesh K.; and Irick, Virgil, Jr., 4,849,266, Cl. 428-34.400.
Dwivedi, Ratnesh K.; and Irick, Virgil, Jr., 4,871,008, Cl. 164-6.000.
Irie, Eiichi: *See—*
Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
Irie, Kenji, to Ken Ken Co., Ltd. Magnetic holder. 4,830,321, 5-16-89, Cl. 248-206.500.
Irie, Masahiro, to Mitsubishi Chemical Industries Limited. Optical recording material. 4,837,063, 6-6-89, Cl. 428-64.000.
Irie, Masahiro, to Mitsubishi Chemical Industries Limited. Azaporphyrin compounds. 4,882,428, 11-21-89, Cl. 540-121.000.
Irie, Masahiro: *See—*
Suzuki, Toshio; and Irie, Masahiro, 4,826,954, Cl. 528-15.000.
Irie, Tadashi: *See—*
Iwamoto, Shoji; Mizuta, Akira; Irie, Tadashi; and Ishiguro, Masanori, 4,814,927, Cl. 360-133.000.
Irie, Takefumi: *See—*
Okudaira, Shigenori; Irie, Takefumi; Uchida, Hiroshi; Fukasawa, Eiichi; Kobayashi, Kazuhiko; and Yamaguchi, Masanori, 4,877,445, Cl. 75-0.50B.
Irie, Tatsuhiko: *See—*
Yamaguchi, Shuichiroh; Idaka, Yukio; Matsumoto, Takeshi; and Irie, Tatsuhiko, 4,805,006, Cl. 357-30.000.
Irie, Toshio: *See—*
Hashiguchi, Koichi; Tosaka, Akio; Irie, Toshio; and Takahashi, Isao, 4,830,686, Cl. 148-320.000.
Satoh, Susumu; Matsuoka, Saiji; Obara, Takashi; Tsunoyama, Kozo; and Irie, Toshio, 4,861,390, Cl. 148-12.00R.
Irie, Tsutomu, to See-Me Lights Corp. Electrical system for vehicle daytime running lights. 4,841,199, 6-20-89, Cl. 315-83.000.
Irie, Yasuo: *See—*
Yokozeki, Kenzo; Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, 4,835,104, Cl. 435-87.000.
Irie, Yoichiro, to Mita Industrial Co., Ltd. Compact sorter for copying machine. 4,863,155, 9-5-89, Cl. 271-293.000.
Irie, Yoichiro, to Mita Industrial Co., Ltd. Sorter. 4,878,660, 11-7-89, Cl. 271-293.000.
Irie, Yoichiro: *See—*
Hinajima, Masahiko; Kimura, Hiroshi; Shigemura, Yutaka; Yada, Isao; Irie, Yoichiro; Morimoto, Kiyoshi; and Nagashima, Takashi, 4,879,578, Cl. 355-234.000.
Irie, Yutaka: *See—*
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Irifune, Hideki. Spring. 4,858,897, 8-22-89, Cl. 267-181.000.
Irigoyen, Marc E.; and Bourrier, Pierre. Support and attachment system for long-span beams. 4,876,836, 10-31-89, Cl. 52-263.000.
Irigoyen, Pierre, to Decoufle s.a.r.l. Apparatus for transporting and treating particles of tobacco and the like. 4,883,077, 11-28-89, Cl. 131-108.000.
Iriguchi, Akira: *See—*
Sakaida, Atsuo; Chikaoka, Yasuji; Imoto, Yasuo; Iriguchi, Akira; and Ikezaki, Yoshiyuki, 4,874,978, Cl. 310-328.000.
Irikura, Koji, to Kanzaki Kokyukoki Mfg. Co., Ltd. Transmission assembly for self-propelled working vehicles. 4,880,070, 11-14-89, Cl. 180-53.100.
Irimura, Tatsuro: *See—*
Nicolson, Garth L.; Nakajima, Motowo; and Irimura, Tatsuro, 4,859,581, Cl. 435-4.000.
Irinatsu, Yuuichi: *See—*
Tanaka, Yukitaka; Omura, Hisao; Irinatsu, Yuuichi; Kobayashi, Takashi; and Noguchi, Aiko, 4,873,109, Cl. 426-607.000.
Irino, Shigeaki: *See—*
Wakamatsu, Hideotoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,835,303, Cl. 560-41.000.
Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,810,818, Cl. 560-41.000.
Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Hiyotaka, 4,831,180, Cl. 560-41.000.
Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,835,301, Cl. 560-41.000.
Irinoda, Kazuhiko: *See—*
Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.
Iris, Pasini, to IRIS S.a.s. di Salvioli Michele e C. Phytopreparation for treating skin affections. 4,855,131, 8-8-89, Cl. 424-74.000.
IRIS S.a.s. di Salvioli Michele e C.: *See—*
Iris, Pasini, 4,855,131, Cl. 424-74.000.
Irish, Ellwood: *See—*
Condit, Timothy B.; German, John F.; and Irish, Ellwood, 4,830,531, Cl. 403-348.000.
Irish, William D.: *See—*
Markley, Joseph P.; and Irish, William D., 4,821,399, Cl. 29-458.000.
Iritani, Hirofumi, to Kubota Limited. Frame type tractor. 4,804,060, 2-14-89, Cl. 180-233.000.
Iritani, Masao: *See—*
Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Iritani, Masao, 4,809,430, Cl. 29-834.000.
Iriuchijima, Shinobu; Onodera, Nobuo; Watanabe, Shunnosuke; and Tabata, Hiroshi, to Agro-Kanesho Co., Ltd.; and Denki Kagaku Kogyo Kabushiki Kaisha. 1,2-benzoisothiazol-3(2H)-one 1,1-dioxide, ion(1-),2-hydroxy-N,N,N-trimethyl-ethanaminium which is plant protection agent for control of fungi and bacteria. 4,849,438, 7-18-89, Cl. 514-373.000.
Iriuchijima, Shinobu; Kobayashi, Hirohiko; Masuda, Takahito; Watanabe, Shunnosuke; and Tabata, Hiroshi, to Agro-Kanesho Co., Ltd.; and Denki Kagaku Koygo Kabushiki Kaisha. Benzoisothiazole oximes which are plant protection agents for control of fungi and bacteria. 4,855,311, 8-8-89, Cl. 514-373.000.
Irizarry, Jaime: *See—*
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Irlbacher, Wolfgang; and Buri, Gerhard, to Zahnradfabrik Friedrichshafen, AG. Locking plate for gear change rods. 4,800,772, 1-31-89, Cl. 74-477.000.
Irle, Rolf G.: *See—*
Benfer, Ernst-Oskar; and Irle, Rolf G., 4,866,827, Cl. 29-148.40S.
Irlweck, Karl: *See—*
Hoffmann, Gerhart; Irlweck, Karl; and Cordes, Rudolf, 4,820,862, Cl. 560-77.000.
Irmiter, Richard J.; Fuller, Larry E.; and Martinez, Felix J., to Minntech Corporation. Venous reservoir. 4,863,452, 9-5-89, Cl. 604-402.000.
Irmler, Josef, to Feodor Burgmann Dichtungswerke GmbH & Co. Sealing gasket. 4,795,166, 1-3-89, Cl. 277-1.000.
Irnich, Erika: *See—*
Bott, Kaspar; and Irnich, Erika, 4,863,641, Cl. 562-848.000.
Irnich, Werner. Cardiac pacemaker having a variable stimulation frequency. 4,856,521, 8-15-89, Cl. 128-419.0PG.
Iron Horse Productions, Inc.: *See—*
Duffy, George Y., Jr.; and Flum, Ted O., 4,861,056, Cl. 280-250.100.
Iron Tiger Investments Inc.: *See—*
Huddleston, Douglas F., 4,865,642, Cl. 75-3.000.
Ironclad, Corporation: *See—*
Rutledge, Gary L., 4,854,735, Cl. 383-72.000.
Ironich, Wolfgang: *See—*
Neeb, Rudolf; and Ironich, Wolfgang, 4,831,168, Cl. 549-461.000.
Ironside, John M.: *See—*
Wakeman, Anthony C.; Ironside, John M.; Holmes, Michael; and Barnard, Simon C., 4,843,556, Cl. 364-431.080.
Irr, Joseph D.: *See—*
Dunn, George F., Jr.; Irr, Joseph D.; and Halpern, Lise N., 4,808,151, Cl. 604-6.000.
Irrgeher, Hans, to Thompson, Elmer L., Jr. Planar element storage and display apparatus. 4,801,016, 1-31-89, Cl. 206-455.000.
Irrure, Jose P.: *See—*
Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irrure, Jose P., 4,835,156, Cl. 514-255.000.
IRT Corporation: *See—*
Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.
Irukayama, Godo: *See—*
Matsumoto, Takeo; Yamada, Eiichi; Nakachi, Osamu; Irukayama, Godo; and Minoshima, Yoshihiro, 4,824,876, Cl. 522-24.000.
Irurre, Jose P.: *See—*
Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irurre, Jose P., 4,835,179, Cl. 514-510.000.
Irvello, Mario M. Tool for aluminum siding applicators. 4,819,475, 4-11-89, Cl. 72-447.000.
Irvin, Amy B.: *See—*
Matthews, James R., 4,850,769, Cl. 410-105.000.

- Irvin, David R.: *See—*
  - Daniel, Arthur A.; Irvin, David R.; and Moore, Robert E., 4,823,345, Cl. 371-37.000.
- Irvin Industries, Inc.: *See—*
  - Gavagan, James A., 4,821,374, Cl. 16-321.000.
  - Gavagan, James A., 4,828,314, Cl. 296-97.800.
  - Lobanoff, Mark; and Gavagan, James A., 4,796,944, Cl. 296-97.500.
- Irvin, James E.: *See—*
  - Matthews, James R., 4,850,769, Cl. 410-105.000.
- Irvin, Timothy B.; and French, Richard E., to United States of America, National Aeronautics and Space Administration. Optical pressure sealing coupling apparatus. 4,798,433, 1-17-89, Cl. 350-96.210.
- Irvine, Gerald O., to Minnesota Automation, Inc. Leak detection system. 4,864,848, 9-12-89, Cl. 73-45.400.
- Irvine, Gerald O.: *See—*
  - Anderson, Marvin L.; and Irvine, Gerald O., 4,842,108, Cl. 191-12.20A.
- Irvine, Michael P.: *See—*
  - Markle, David R.; Crane, Barry C.; and Irvine, Michael P., 4,889,407, Cl. 350-96.290.
- Irvine, Robert: *See—*
  - Luperti, Harry E.; Irvine, Robert; and Luvara, Anthony, 4,805,891, Cl. 271-212.000.
- Irvine, Robert G.: *See—*
  - Smith, Richard F. M.; and Irvine, Robert G., 4,823,788, Cl. 128-205.240.
- Irvine Sensors Corporation: *See—*
  - Arnold, Jack L., 4,814,629, Cl. 250-578.000.
  - Carson, John C.; and Clark, Stewart A., 4,806,761, Cl. 250-332.000.
- Irvine, Thomas F., Jr.: *See—*
  - Park, Noh-Aeok; and Irvine, Thomas F., Jr., 4,852,388, Cl. 73-32.00R.
- Irving, Edward; and Smith, Terence J., to Ciba-Geigy Corporation. Method of adhering two surfaces with an anaerobically polymerizable acrylic ester composition. 4,836,878, 6-6-89, Cl. 156-307.300.
- Irving, Edward; and Banks, Christopher P., to Ciba-Geigy Corporation. Method of forming images. 4,849,320, 7-18-89, Cl. 430-280.000.
- Irving, Edward: *See—*
  - Banks, Christopher P.; Demmer, Christopher G.; and Irving, Edward, 4,857,437, Cl. 430-327.000.
  - Banks, Christopher P.; and Irving, Edward, 4,861,438, Cl. 204-15.000.
  - Demmer, Christopher G.; and Irving, Edward, 4,839,253, Cl. 430-190.000.
- Irving, Joe R. Precision hair styling shears. 4,868,987, 9-26-89, Cl. 30-200.000.
- Irving, Michael G.: *See—*
  - Doddrell, David M.; and Irving, Michael G., 4,889,125, Cl. 128-653.000.
  - Doddrell, David M.; and Irving, Michael G., 4,889,126, Cl. 128-653.000.
- Irving, Nicholas M., to Dow Chemical Company, The. Stereospecific catalyst for the preparation of poly (1,2-butylene oxide). 4,795,729, 1-3-89, Cl. 502-169.000.
- Irving Oil Limited: *See—*
  - Matthews, Walter A.; and MacDormand, Edward B., 4,832,211, Cl. 215-1.00C.
- Irving Pulp and Paper Limited: *See—*
  - MacLeod, J. Martin; and Cyr, Martin E., 4,814,042, Cl. 162-17.000.
- Irving, Stewart: *See—*
  - Wiley, Michael J.; Irving, Stewart; and McKeon, John P., 4,837,453, Cl. 307-10.200.
- Irving, Wesley F.: *See—*
  - Blomstedt, John W.; Irving, Wesley F.; and Pusateri, Mark S., 4,862,326, Cl. 361-413.000.
- Irwin, Benny: *See—*
  - Flasck, Richard A.; Irwin, Benny; and Holmberg, Scott H., 4,842,378, Cl. 350-345.000.
- Irwin, Charles H.; and Lovine, Arnold M. Gear box with retained drive mechanism. 4,826,458, 5-2-89, Cl. 440-37.000.
- Irwin, David, to Cannondale Corporation. Carrier bag assembly for bicycle handlebars. 4,798,318, 1-17-89, Cl. 224-32.00R.
- Irwin, David C. Filterator for separator. 4,798,677, 1-17-89, Cl. 210-799.000.
- Irwin, David J.; and Shaul, John T., to Allied-Signal Inc. Interrogator and transponder test equipment. 4,802,216, 1-31-89, Cl. 380-23.000.
- Irwin, Eric. Coin supports. 4,854,133, 8-8-89, Cl. 63-15.000.
- Irwin, Frank: *See—*
  - Irwin, Lawrence F.; and Irwin, Frank, 4,870,992, Cl. 137-846.000.
- Irwin, Gary W.: *See—*
  - Kile, Edwin N.; Irwin, Gary W.; and Hartness, Samuel S., 4,862,039, Cl. 315-194.000.
- Irwin, George F.; Smelters, Paul J.; Robertson, David J.; and Maginley, Ronald J., to Northern Telecom Limited. Digital key telephone system. 4,873,682, 10-10-89, Cl. 370-58.100.
- Irwin, Gregory D.: *See—*
  - DeSalvo, Sal P.; Irwin, Gregory D.; Mondek, Matthew H.; Neal, Louis R.; Oglesby, Verdun W.; and Woodard, Robert W., 4,829,846, Cl. 74-547.000.
- Irwin, James S.: *See—*
  - MacNak, Philip P.; and Irwin, James S., 4,817,196, Cl. 455-193.000.
  - Macnak, Philip P.; Irwin, James S.; and Davis, Walter L., 4,862,516, Cl. 455-193.000.
- Irwin, John W.; and Wagoner, James D., to International Business Machines Corporation. Serial link transparent mode disparity control. 4,859,815, 8-22-89, Cl. 178-69.00D.
- Irwin, John W.: *See—*
  - Buckland, Patrick A.; Irwin, John W.; and Reeder, Jack E., 4,833,596, Cl. 364-200.000.
- Irwin, Larry F. Hand stamping device or writing implement. 4,881,841, 11-21-89, Cl. 401-195.000.
- Irwin, Lawrence F. Ground line fault interrupter adapter unit. 4,816,957, 3-28-89, Cl. 361-45.000.
- Irwin, Lawrence F.; and Irwin, Frank, to Augerscope, Inc. Backflow prevention device. 4,870,992, 10-3-89, Cl. 137-846.000.
- Irwin Magnetic Systems, Inc.: *See—*
  - Bolt, Michael L., 4,819,107, Cl. 360-121.000.
  - Glass, Edward N.; and Stark, Wayne, 4,796,110, Cl. 360-53.000.
  - Sokolik, Edmund L., 4,849,841, Cl. 360-119.000.
  - Spiegelstein, Wolfgang, 4,807,067, Cl. 360-93.000.
- Irwin, Patricia C.: *See—*
  - Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853,421, Cl. 523-428.000.
- Irwin Seating Company: *See—*
  - Conner, John P., 4,850,159, Cl. 52-9.000.
- Isa, Isao: *See—*
  - Seki, Ichiro; Kano, Morinosuke; Fujii, Akihiko; Kano, Akihiro; and Isa, Isao, 4,829,028, Cl. 501-105.000.
- Isaac, Sharon R.; and Harris, Kevin M., to Acushnet Company. Optical brightners in golf ball clear coatings. 4,865,326, 9-12-89, Cl. 273-235.00A.
- Isaacman, Marvin, to Linear Corporation. Electrically programmable transceiver security system and integrated circuit. 4,859,990, 8-22-89, Cl. 340-539.000.
- Isaacs, Harold. Dual function pallet carrier-platform truck for postal and package delivery systems. 4,863,179, 9-5-89, Cl. 280-33.996.
- Isaacs, Jack L.; and Zvenyatsky, Boris, to United States Surgical Corporation. Surgical fastener cartridge with improved body tissue cutting knife assembly. 4,881,545, 11-21-89, Cl. 227-178.000.
- Isaacs, Neil S.; and Hill, Jonathan, to Stamicarbon B.V. Process for the preparation of 2-(hydroxyalkyl)acrylic compounds. 4,820,858, 4-11-89, Cl. 558-372.000.
- Isaacs, Ralph G.: *See—*
  - Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sepnel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
- Isaacson, James D.: *See—*
  - Williams, Theodore F.; Katerberg, James A.; Young, Lawrence R.; and Isaacson, James D., 4,837,585, Cl. 346-75.000.
- Isaacson, Milton S., to Nu-Tech Industries, Inc. Arthroscopic cutting device. 4,867,155, 9-19-89, Cl. 128-305.000.
- Isaacson, Philip G.: *See—*
  - Cerrington, Brian E.; Arrindell, Michael W.; Cooper, Kenneth E.; and Isaacson, Philip G., 4,841,797, Cl. 74-467.000.
- Isaacson, Ronald L.; and Moore-McKee, Amy L., to Motorola, Inc. Frequency division multiplex/FM modulation recognition system. 4,845,707, 7-4-89, Cl. 370-69.100.
- Isaacson, William B.: *See—*
  - Futhey, John A.; Isaacson, William B.; and Neby, Ricky L., 4,830,481, Cl. 351-161.000.
- Isaacson, William C.; and Farmery, Herbert A., to Keen Corporation. Apparatus for slitting elongated flexible tape. 4,878,408, 11-7-89, Cl. 83-444.000.
- Isaf, Asad F. Doll having a plurality of wheels with varying facial expressions to effect mood changes. 4,820,234, 4-11-89, Cl. 446-321.000.
- Isago, Takashi: *See—*
  - Murata, Katsuyoshi; Nakazora, Toru; and Isago, Takashi, 4,837,366, Cl. 568-490.000.
- Isahaya, Tsukasa: *See—*
  - Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, 4,853,194, Cl. 423-239.000.
- Isai, Masaaki: *See—*
  - Oshita, Masahide; Isai, Masaaki; and Fukunaka, Toshiaki, 4,874,438, Cl. 148-400.000.
- Isaka, Kinichi: *See—*
  - Nakamura, Noriaki; Isaka, Kinichi; Kawaguchi, Masashi; Kakishita, Hiroshi; and Uede, Hisashi, 4,814,237, Cl. 428-690.000.
- Isaka, Kinishi; Kawaguchi, Masashi; and Uede, Hisashi, to Sharp Kabushiki Kaisha. Aging method for thin-film electroluminescent display panel. 4,818,913, 4-4-89, Cl. 315-169.300.
- Isaka, Tsutomu; and Ohta, Saburo, to Toyo Boseki Kabushiki Kaisha. Anti-fogging multilayered film and bag produced therefrom for packaging vegetables and fruits. 4,876,146, 10-24-89, Cl. 428-347.000.
- Isaka, Tsutomu: *See—*
  - Shimada, Takeo; Isaka, Tsutomu; Okada, Noriyuki; Ishino, Iwao; and Usami, Nobuhiro, 4,802,892, Cl. 44-62.000.
- Isaka, Yukio: *See—*
  - Suzuki, Yasuhito; Akimoto, Koichiro; Ohshima, Hajime; Honda, Kazuyuki; and Isaka, Yukio, 4,876,562, Cl. 346-160.000.
- Isaksen, Robert A.: *See—*
  - Ferro, Salvatore D.; Isaksen, Robert A.; and Stupi, Robert J., 4,865,791, Cl. 264-134.000.

  - Jones, Wallace R.; Isaksen, Robert A.; and Krieger, Paul A., 4,859,512, Cl. 428-40.000.
  - Jones, Wallace R.; and Isaksen, Robert A., 4,873,132, Cl. 428-80.000.
- Isakson, Gary A.: *See—*
  - Harrison, John A.; Isakson, Gary A.; and Nelson, James R., 4,802,584, Cl. 206-447.000.
  - Harrison, John A.; Isakson, Gary A.; and Nelson, James R., 4,844,246, Cl. 206-223.000.
- Isaksson, Juhani M.: *See—*
  - Engstrom, Folke; and Isaksson, Juhani M., 4,827,723, Cl. 60-683.000.
  - Engstrom, Folke; Isaksson, Juhani M.; and Kuivalainen, Reijo, 4,864,944, Cl. 110-299.000.
  - Engstrom, Folke; and Isaksson, Juhani M., 4,869,207, Cl. 122-4.00D.
- Isaksson, Matti J., to A. Ahlstrom Corporation. Method and apparatus for recovering heat from a gas turbine. 4,827,711, 5-9-89, Cl. 60-39.050.
- Isambert, Alain: *See—*
  - Bibollet, Jean-Claude; and Isambert, Alain, 4,823,903, Cl. 180-193.000.
- Isao KAI: *See—*
  - Miyawaki, Yoshinori; Matumoto, Kazuhiro; and Shirasaki, Osamu, 4,860,760, Cl. 128-680.000.
  - Miyawaki, Yoshinori, 4,872,461, Cl. 128-681.000.
  - Ueno, Satoshi, 4,870,973, Cl. 128-680.000.
  - Yamasawa, Tsutomu, 4,844,084, Cl. 128-681.000.
- Isao, Sakai. Packaging container. 4,881,685, 11-21-89, Cl. 229-115.000.
- Isashi, Hiroyuki, to Kawai Gakki Seisakusho Co., Ltd. Piano type musical instrument. 4,794,840, 1-3-89, Cl. 84-467.000.
- Isashi, Hiroyuki, to Kawai Gakki Seisakusho Co., Ltd. Piano toy type musical instrument. 4,827,826, 5-9-89, Cl. 84-470.00R.
- Isawa, Nobuyuki: *See—*
  - Kato, Yasaburo; Suzuki, Toshihiko; Isawa, Nobuyuki; Kanbe, Hideo; and Hamasaki, Masaharu, 4,836,788, Cl. 437-017.000.
- Isayama, Katsuhiko: *See—*
  - Hirose, Toshifumi; Yukimoto, Sadao; and Isayama, Katsuhiko, 4,837,401, Cl. 525-364.000.
  - Noda, Kouji; Imanaka, Masayoshi; and Isayama, Katsuhiko, 4,870,144, Cl. 526-216.000.
- Isayama, Kazuo: *See—*
  - Takubo, Hiroichi; Isayama, Kazuo; and Yamashita, Syoji, 4,819,505, Cl. 74-603.000.
- Isayama, Muneo: *See—*
  - Miyoshi, Masazumi; Isayama, Muneo; Midorikawa, Shoichi; and Ohta, Terutada, 4,836,421, Cl. 222-166.000.
- Isayama, Shigeo; and Ogawa, Kazutoshi, to Sony Corporation. Automatic circuit adjusting system and circuit adjusting tool therefor. 4,819,178, 4-4-89, Cl. 364-481.000.
- Isayama, Tomoaki: *See—*
  - Shinoda, Kenichi; Iwao, Tomoyoshi; Isayama, Tomoaki; and Higo, Yuichi, 4,873,149, Cl. 428-609.000.
- Isayev, Avraam; and Swaminathan, Suresh. Wholly aromatic polyester fiber-reinforced polyetherimide composite and process for preparing same. 4,835,047, 5-30-89, Cl. 428-294.000.
- Isbell, Wayne: *See—*
  - Kastendieck, William A.; Hart, Richard T.; and Isbell, Wayne, 4,809,942, Cl. 248-900.000.
- Isbister, Jenefir D., to Atlantic Research Corporation. Acinetobacter species and its use in removing organic sulfur compounds. 4,808,535, 2-28-89, Cl. 435-252.100.
- Isborn, Jack E., deceased; and Isborn, Nora S., heir. Humane raccoon trap. 4,802,301, 2-7-89, Cl. 43-58.000.
- Isborn, Nora S., heir: *See—*
  - Isborn, Jack E., deceased; and Isborn, Nora S., heir, 4,802,301, Cl. 43-58.000.
- ISC Technologies, Inc.: *See—*
  - LaBudde, Edward V.; and Kay, Robert L., 4,799,429, Cl. 102-393.000.
- Iscar Ltd.: *See—*
  - Gardner, Edward R., 4,849,602, Cl. 219-121.710.
  - Nessel, Eliezer, 4,876,932, Cl. 82-158.000.
  - Pano, Joseph, 4,887,945, Cl. 407-110.000.
- Ischenko, Jury Y.: *See—*
  - Puzrin, Leonid G.; Atroshenko, Miron G.; Yaremenko, Vladimir L.; Ischenko, Jury Y.; Nefedov, Pavel S.; Pescherin, Ivan G.; Serebryanik, Ilya P.; and Polev, Evgeny I., 4,886,203, Cl. 228-126.000.
- Ischinger, Thomas: *See—*
  - Hessel, Stefan; and Ischinger, Thomas, 4,878,725, Cl. 350-96.150.
- Isco, Inc.: *See—*
  - Allington, Robert W.; and Friling, Larry J., 4,809,123, Cl. 361-42.000.
  - Allington, Robert W.; Tehrani, Abolghassem Y.; and Jones, John N., 4,863,592, Cl. 210-96.100.
  - Allington, Robert W., 4,869,374, Cl. 210-198.200.
  - Allington, Robert W.; and Jones, John N., 4,882,063, Cl. 210-659.000.
  - Allington, Robert W., 4,882,781, Cl. 364-510.000.
  - Fiedler, Robert R.; and Lederer, Louis F., 4,810,172, Cl. 417-394.000.
- Isdahl, Darwin H.: *See—*
  - Bull, Timothy B. H.; Dzubak, Alan L.; and Isdahl, Darwin H., 4,829,723, Cl. 51-178.000.
- Isdebski, Kai: *See—*
  - Wess, Othmar; Groezinger, Reiner; Isdebski, Kai; Windsheimer, Manfred; and Erhardt, Wolfgang, 4,805,600, Cl. 128-24.00A.
- Ise Chemical Industries Co., Ltd.: *See—*
  - Hayashi, Kunioki; Tanaka, Hironori; Sasagawa, Tsutomu; Uemura, Isao; and Aizawa, Akira, 4,858,560, Cl. 119-1.000.
- ISE Kaguku Kogyo Kabushiki Gaisha: *See—*
  - Miyoshi, Masazumi; Isayama, Muneo; Midorikawa, Shoichi; and Ohta, Terutada, 4,836,421, Cl. 222-166.000.
- Ise, Kiyotaka; Minegishi, Harumasa; and Harada, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Method for controlling a vehicle attitude. 4,805,102, 2-14-89, Cl. 364-424.050.
- Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, to Toyota Jidosha Kabushiki Kaisha. Anti-slip control device for drive wheels of automotive vehicle. 4,850,656, 7-25-89, Cl. 303-100.000.
- Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, to Toyota Jidosha Kabushiki Kaisha. Device for determining whether a motor vehicle is on an uphill road upon starting of the vehicle. 4,854,411, 8-8-89, Cl. 180-197.000.
- Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, to Toyota Jidosha Kabushiki Kaisha. Controller for an acceleration slip on a driving wheel. 4,866,623, 9-12-89, Cl. 364-426.030.
- Ise, Kiyotaka: *See—*
  - Inoue, Yoshiaki; Nomura, Yoshihisa; Ise, Kiyotaka; and Otsuki, Hiromi, 4,865,397, Cl. 303-110.000.
  - Matsumoto, Shinichi; Ise, Kiyotaka; and Miyazaki, Hiroharu, 4,811,808, Cl. 180-197.000.
- Ise, Koichi, to Sony Corp. Optical low-pass filter. 4,878,737, 11-7-89, Cl. 350-167.000.
- Ise, Kouichi, to Sony Corporation. Optical low pass filter utilizing a phase grating. 4,795,236, 1-3-89, Cl. 350-162.200.
- Ise, Makoto; and Okino, Tadashi, to Canon Kabushiki Kaisha. Image sensing apparatus with control for varying the readout methodology. 4,879,600, 11-7-89, Cl. 358-213.190.
- Ise, Masahiro; Tanaka, Hidehiko; Machino, Katsuyuki; Matsubara, Toshiyuki; and Terasaka, Teiji, to Sharp Kabushiki Kaisha. Data transmission system. 4,888,586, 12-19-89, Cl. 340-825.050.
- Ise, Yoji; and Yamaguchi, Akira, to Myotoku Ltd. Solenoid on-off valve. 4,848,392, 7-18-89, Cl. 137-270.000.
- Ise, Yoji; and Yamaguchi, Akira, to Myotoku Ltd. Vacuum generating device. 4,861,232, 8-29-89, Cl. 417-76.000.
- Ise, Yoji, to Kabushiki Kaisha Myotoku. Pressure activated switch. 4,861,952, 8-29-89, Cl. 200-81.00R.
- Ise, Yoji, to Kabushiki Kaisha Myotoku. Apparatus for handling workpieces. 4,865,301, 9-12-89, Cl. 269-34.000.
- Ise, Yoji; and Yamaguchi, Akira, to Myotoku Ltd. Vacuum breaking device for ejector pump. 4,865,521, 9-12-89, Cl. 417-187.000.
- Iseda, Atsuro: *See—*
  - Masuyama, Fujimitsu; Daikoku, Takashi; Haneda, Hisao; Yoshikawa, Kunihiko; Teranishi, Hiroshi; and Iseda, Atsuro, 4,799,972, Cl. 148-14.000.
- Iseda, Ken, to Kabushiki Kaisha Toshiba. Image information apparatus. 4,860,029, 8-22-89, Cl. 346-76.0PH.
- Iseda, Ken: *See—*
  - Watanabe, Junji; and Iseda, Ken, 4,831,457, Cl. 358-256.000.
  - Watanabe, Junji; Iseda, Ken; Fukunaga, Takehito; and Tokutsu, Akihito, 4,852,869, Cl. 271-126.000.
- Iseda, Kohei: *See—*
  - Taniguchi, Tomohiko; Iseda, Kohei; Tomita, Yoshihiro; Amano, Fumio; Unagami, Shigeyuki; and Tominaga, Shoji, 4,831,636, Cl. 375-27.000.
  - Taniguchi, Tomohiko; Iseda, Kohei; Okazaki, Koji; Amano, Fumio; and Unagami, Shigeyuki, 4,890,325, Cl. 381-34.000.
- Iseda, Yutaka: *See—*
  - Itoh, Michio; Saito, Tadashi; Okamura, Nobuyuki; Yamamoto, Hisao; Iseda, Yutaka; and Takagi, Hirohiko, 4,818,601, Cl. 428-297.000.
- Iseki & Co., Ltd.: *See—*
  - Kanato, Yuji; and Mukai, Nakashiro, 4,825,956, Cl. 172-2.000.
- Iseki Food Engineering Kabushiki Kaisha: *See—*
  - Sugimura, Tuyoshi; Hori, Kenji; and Oba, Kiyoyuki, 4,873,917, Cl. 99-355.000.
- Iseki, Katsuhiko: *See—*
  - Nishi, Hiroyoshi; Watanabe, Toshiaki; Yuki, Satoshi; Morinaka, Yasuhiro; Iseki, Katsuhiko; and Sakurai, Hiroko, 4,857,542, Cl. 514-404.000.
  - Shibasaki, Masakatsu; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; and Hayashi, Yoshio, 4,810,805, Cl. 549-421.000.
  - Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
- Iseki, Takayuki: *See—*
  - Tokizane, Toshiaki; Hayashi, Hideo; Iseki, Takayuki; Morimoto, Ikuhisa; and Yamada, Tooru, 4,813,888, Cl. 429-583.000.
- Iseler, Kenneth A.; and Wilkinson, Robert E., to Budd Company, The. Compression molding a charge using vacuum. 4,855,097, 8-8-89, Cl. 264-102.000.
- Iseman, Walter J., to Sundstrand Corporation. Hydraulic differential. 4,794,756, 1-3-89, Cl. 60-489.000.
- Iseman, Walter J., to Sundstrand Corporation. Dual generator phase shifting device. 4,817,461, 4-4-89, Cl. 74-720.000.
- Isenberg, Arnold O., to Westinghouse Electric Corp. Method of making sulfur tolerant composite cermet electrodes for solid oxide electrochemical cells. 4,812,329, 3-14-89, Cl. 427-115.000.

- Isenga, Steven R.: *See—*
  - McConnell, Dale; and Isenga, Steven R., 4,828,211, Cl. 248-311.200.
- Isenhart, Kyle. Twisted carabiner. 4,802,264, 2-7-89, Cl. 24-241.00P.
- Isenhart, Kyle. All terrain edge protector. 4,869,466, 9-26-89, Cl. 254-394.000.
- Isenmann Drahterzeugnisse GmbH: *See—*
  - Schmidt, Gerhard; and Hoppe, Kurt, 4,871,288, Cl. 411-45.000.
- Isenring, Fritz N., to Kango Limited. Impact device. 4,867,251, 9-19-89, Cl. 173-98.000.
- Isenring, Hans P.: *See—*
  - Furlenmeier, Andre ; Hofheinz, Werner; Hubschwerlen, Christian N.; and Isenring, Hans P., 4,816,582, Cl. 540-355.000.
- Isenstein, Louise M.: *See—*
  - Fogarty, Kevin E.; Fay, Fredric S.; Isenstein, Louise M.; and Coggins, James M., 4,884,225, Cl. 364-559.000.
- ISEO Serrrature SPA: *See—*
  - Andreoli, Gian P., 4,802,352, Cl. 70-118.000.
- Isern, Carlos P. Method and apparatus for splicing textile yarns. 4,813,220, 3-21-89, Cl. 57-72.000.
- Isetta, Anna M.: *See—*
  - Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,816,467, Cl. 514-333.000.
  - Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,826,837, Cl. 514-248.000.
  - Doria, Gianfederico; Isetta, Anna M.; Ferrari, Mario; and Trizio, Domenico, 4,853,405, Cl. 514-406.000.
- Iseyama, Takashi: *See—*
  - Niida, Chiaki; Ito, Tomoo; Nishimiya, Torazo, Iseyama, Takashi; and Yamada, Koichiro, 4,823,750, Cl. 123-339.000.
- ISF Societa Per Azioni: *See—*
  - Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, 4,824,861, Cl. 514-425.000.
- ISG/AG: *See—*
  - Larsson, Karl O. A. H., 4,794,915, Cl. 128-64.000.
  - Larsson, Karl O. A. H., 4,857,051, Cl. 604-74.000.
- Isganitis, Louis V.: *See—*
  - Grushkin, Bernard; Hutka, David E.; Isganitis, Louis V.; and Radigan, Edward J., 4,886,729, Cl. 430-114.000.
- Ish III, Arthur B.: *See—*
  - Rasmussen, Robert A.; Johnson, Jeffrey B.; MacLean, William D.; and Ish III, Arthur B., 4,809,972, Cl. 272-118.000.
- Ishahara Sangyo Kaisha Ltd: *See—*
  - Haga, Takahiro; Shigehara, Itaru; Koyanagi, Toru; Hara, Kazutoshi; and Maeda, Masaru, 4,861,886, Cl. 546-16.000.
- Ishak, Maher; and Schwartz, Alexander, to Diabrasive International Ltd. Method of forming a flexible abrasive. 4,874,478, 10-17-89, Cl. 204-16.000.
- Isherwood, Jonathan M.; and Tansley, Robert W., to Driver Southall Limited. Combinational weighing systems. 4,871,038, 10-3-89, Cl. 177-25.180.
- Isherwood, Jonathan M.: *See—*
  - O'Brien, Kennedy M.; Dunton, Keith E.; Newley, Peter E.; Purser, Michael H.; Isherwood, Jonathan M.; and Tansley, Robert W., 4,807,711, Cl. 177-25.180.
- Ishi, Masayoshi; and Fuji, Yasuhiro, to Kayaba Kogyo Kabushiki Kaisha. Hydraulic jack. 4,865,293, 9-12-89, Cl. 254-2.00R.
- Ishi, Yuuhei, to NEC Corporation. Synchronization burst transmit phase control system. 4,800,561, 1-24-89, Cl. 370-104.000.
- Ishibashi, Akira; Mori, Yoshifumi; and Itabashi, Masao, to Sony Corporation. Semiconductor apparatus. 4,835,579, 5-30-89, Cl. 357-4.000.
- Ishibashi, Akira; Funato, Kenji; and Mori, Yoshifumi, to Sony Corporation. Superconductor electron device. 4,888,622, 12-19-89, Cl. 357-5.000.
- Ishibashi, Akira: *See—*
  - Miyazawa, Shyoichi; Kawamura, Satoshi; Tohyama, Shoichiro; Ishibashi, Akira; Kato, Kazutoshi; and Ideda, Junichi, 4,809,091, Cl. 360-48.000.
- Ishibashi, Hiromichi: *See—*
  - Tanaka, Shinichi; and Ishibashi, Hiromichi, 4,823,334, Cl. 369-112.000.
- Ishibashi, Hiroshi: *See—*
  - Dan, Shigeyuki; Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; and Sera, Hidefumi, 4,837,102, Cl. 430-114.000.
  - Inazawa, Yoshizumi; Yamada, Masaki; Ishibashi, Hiroshi; and Ozaki, Shinya, 4,873,589, Cl. 360-53.000.
  - Kato, Eiichi; Dan, Shigeyuki; Ishibashi, Hiroshi; Ishii, Kazuo; and Sera, Hidefuji, 4,840,865, Cl. 430-114.000.
  - Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; Dan, Shigeyuki; and Sera, Hidefumi, 4,842,975, Cl. 430-137.000.
- Ishibashi, Jiro: *See—*
  - Noguchi, Minetoshi; Goto, Somio; Nemoto, Masakazu; and Ishibashi, Jiro, 4,794,875, Cl. 112-315.000.
- Ishibashi, Kazuhisa: *See—*
  - Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa, 4,805,795, Cl. 220-75.000.
  - Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa, 4,840,304, Cl. 228-214.000.
  - Watanabe, Michio; Ishibashi, Kazuhisa; Matsuno, Kenji; and Kurashima, Hideo, 4,800,250, Cl. 219-121.630.
- Ishibashi, Kenichi: *See—*
  - Hayashi, Takehisa; Ishibashi, Kenichi; and Doi, Toshio, 4,849,660, Cl. 307-475.000.
- Ishibashi, Kenji: *See—*
  - Hamada, Masataka; Ishida, Tokuji; Ishibashi, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,816,856, Cl. 354-402.000.
  - Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Hamada, Masataka; Ishibashi, Kenji; and Ootsuka, Hiroshi, 4,812,912, Cl. 358-227.000.
  - Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, 4,831,403, Cl. 354-402.000.
- Ishibashi, Kenzo: *See—*
  - Koishi, Kenji; Kubota, Shinji; and Ishibashi, Kenzo, 4,845,720, Cl. 372-31.000.
- Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, to Hitachi, Ltd. Semiconductor memory device. 4,797,717, 1-10-89, Cl. 357-23.100.
- Ishibashi, Koichiro: *See—*
  - Minato, Osamu; Masuhara, Toshiaki; Ishibashi, Koichiro; Hanamura, Shoji; Honjyo, Shigeru; and Moriwaki, Nobuyuki, 4,841,486, Cl. 365-207.000.
  - Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamoto, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Moriwaki, Nobuyuki; and Meguro, Satoshi, 4,853,894, Cl. 365-154.000.
- Ishibashi, Masaichi: *See—*
  - Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.
- Ishibashi, Masaru; Tsubata, Takeshi; and Sasaki, Kazumi, to Kabushiki Kaisha Toshiba. Semiconductor device having an electrode and a method of manufacturing the same. 4,809,055, 2-28-89, Cl. 357-71.000.
- Ishibashi, Masaru: *See—*
  - Satake, Tokuki; Sakai, Hiroshi; Nakatani, Hayami; Nakamori, Masaharu; and Ishibashi, Masaru, 4,873,156, Cl. 429-31.000.
- Ishibashi, Masayuki; and Yoshioka, Hiroshi, to Hitachi, Ltd. Color display tube with field controller. 4,871,940, 10-3-89, Cl. 313-412.000.
- Ishibashi, Naohiro: *See—*
  - Nakashima, Keishi; and Ishibashi, Naohiro, 4,807,076, Cl. 360-126.000.
- Ishibashi, Norio: *See—*
  - Okonogi, Shigeo; Tomita, Mamoru; Shimamura, Seiichi; Ishibashi, Norio; and Kudo, Tsutomu, 4,888,171, Cl. 424-93.000.
  - Sato, Takashi; Yamauchi, Kazuki; and Ishibashi, Norio, 4,862,281, Cl. 358-400.000.
- Ishibashi, Setsuo: *See—*
  - Fujio, Katsunori; and Ishibashi, Setsuo, 4,851,315, Cl. 430-79.000.
- Ishibashi, Takanobu: *See—*
  - Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, 4,883,338, Cl. 350-96.340.
- Ishibashi, Tamotsu: *See—*
  - Aso, Toshiyuki; and Ishibashi, Tamotsu, 4,814,572, Cl. 219-69.00W.
  - Aso, Toshiyuki; and Ishibashi, Tamotsu, 4,877,935, Cl. 219-69.120.
  - Obara, Haruki; Aso, Toshiyuki; Kinoshita, Hiroshi; and Ishibashi, Tamotsu, 4,818,848, Cl. 219-69.120.
- Ishibashi, Tatsuhiro; Masushige, Yutaka; and Kai, Shotaro, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for linking knitted fabric pieces and apparatus thereof. 4,846,085, 7-11-89, Cl. 112-27.000.
- Ishibashi, Toshihiro: *See—*
  - Okuno, Masaharu; Ishibashi, Toshihiro; Naitou, Satoshi; and Sasaki, Tatsuyoshi, 4,836,183, Cl. 126-110.00R.
- Ishibashi, Yasuo; Matsuda, Muneaki; and Ashizawa, Kazuhide, to Eisai Co., Ltd. Cephalosporin injection. 4,822,785, 4-18-89, Cl. 514-202.000.
- Ishibashi, Yasuo: *See—*
  - Kakimoto, Fumio; Asakawa, Naoki; Ishibashi, Yasuo; and Miyake, Yasuo, 4,837,022, Cl. 424-94.300.
- Ishibashi, Yoriyuki: *See—*
  - Uchida, Norio; Ishibashi, Yoriyuki; Hirano, Ryoichi; Masuyama, Masayuki; and Shimozono, Hiroaki, 4,838,693, Cl. 356-356.000.
  - Uchida, Norio; Ishibashi, Yoriyuki; and Masuyama, Masayuki, 4,848,911, Cl. 356-356.000.
- Ishibashi, Yukio: *See—*
  - Naito, Kenzo; and Ishibashi, Yukio, 4,845,257, Cl. 556-418.000.
- Ishibata, Koji: *See—*
  - Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Okuda, Soichiro; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,995, Cl. 313-414.000.
- Ishibe, Hideomi, to Nippon Seisen Co., Ltd. Method of making titanium-nickel alloys by consolidation of compound material. 4,830,262, 5-16-89, Cl. 228-156.000.
- Ishibe, Hiroshi: *See—*
  - Sakakibara, Kuniteru; Saito, Mitsuru; Tanimoto, Tetsuyuki; Morimoto, Yasuhiro; and Ishibe, Hiroshi, 4,823,199, Cl. 358-335.000.
- Ishibe, Masahiko: *See—*
  - Yamanaka, Katsuhisa; Furukawa, Tokinobu; Shindoh, Hirohiko; Kaneyuki, Yukio; Kinoshita, Takatoshi; and Ishibe, Masahiko, 4,801,433, Cl. 422-228.000.
- Ishibitsu, Kokichi: *See—*
  - Kawamura, Takao; Miyamoto, Naooki; Ito, Hiroshi; Takemura, Hitoshi; Ohkawa, Kazumasa; and Ishibitsu, Kokichi, 4,882,252, Cl. 430-58.000.
- Ishida, Akihiro: *See—*
  - Uchida, Mikio; and Ishida, Akihiro, 4,848,557, Cl. 192-41.00A.

- Ishida, Akinori; and Itoh, Ayao, to Kabushiki Kaisha Toshiba. Ultrasonic lithotrity apparatus. 4,803,995, 2-14-89, Cl. 128-660.010.
- Ishida, Akira; and Katsuyama, Mikizo, to Dainippon Screen Mfg. Co., Ltd. Image scanning apparatus including means for selecting one of a plurality of scanning drums to be scanned. 4,870,504, 9-26-89, Cl. 358-489.000.
- Ishida, Atsushi; and Konno, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating apparatus for an internal combustion engine. 4,887,563, 12-19-89, Cl. 123-90.160.
- Ishida, Eiichi: *See—*
  - Nakamura, Tadashi; Fujita, Satoshi; and Ishida, Eiichi, 4,886,135, Cl. 180-68.100.
- Ishida, Goro. Closed type heating apparatus. 4,820,903, 4-11-89, Cl. 219-213.000.
- Ishida, Haruhiko: *See—*
  - Oda, Goro; and Ishida, Haruhiko, 4,843,424, Cl. 355-268.000.
- Ishida, Hideki: *See—*
  - Takahara, Ichiro; Azumi, Masaaki; Shigetomi, Kazuo; Kamimura, Takaya; and Ishida, Hideki, 4,839,881, Cl. 369-75.200.
- Ishida, Hideo; Moriya, Susumu; Taya, Takuo; and Shimokata, Hiroshi, to Daifuku Co., Ltd. Running control system for conveyor cart. 4,817,750, 4-4-89, Cl. 180-168.000.
- Ishida, Hiroaki; and Shinozaki, Nobuo, to Seikosha Co., Ltd. Motor driven shutter for camera. 4,868,596, 9-19-89, Cl. 354-439.000.
- Ishida, Hiroaki; Shinozaki, Nobuo; and Nakazawa, Michitake, to Seikosha Co., Ltd. Motor-driven shutter for camera. 4,876,563, 10-24-89, Cl. 354-234.100.
- Ishida, Hiromi: *See—*
  - Fujii, Susumu; Ishida, Hiromi; Morioka, Masataka; Saito, Akihiro; and van der Meer, Roelof, 4,873,276, Cl. 524-153.000.
  - Hagiwara, Yoshiaki; Ishida, Hiromi; and Takahashi, Takeyoshi, 4,840,491, Cl. 366-69.000.
- Ishida, Hiroshi; and Taniguchi, Mitsuyuki, to Fanuc Ltd. Circuit device for a positional encoder. 4,796,005, 1-3-89, Cl. 341-11.000.
- Ishida, Hiroshi: *See—*
  - Uda, Masayuki; Tomioka, Yukio; Kouno, Chikara; Ishida, Hiroshi; and Yamauchi, Yukio, 4,823,368, Cl. 250-372.000.
- Ishida, Hiroyuki: *See—*
  - Ogihara, Masuo; Ishida, Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki, Nobuo, 4,881,096, Cl. 354-400.000.
- Ishida, Hisao: *See—*
  - Suzuki, Yasunobu; Kato, Motohiko; Bando, Akio; Ishida, Hisao; and Nishimura, Akihiro, 4,887,758, Cl. 228-5.100.
- Ishida, Hitoshi: *See—*
  - Kawai, Kazuaki; Ishida, Hitoshi; and Yamauchi, Noriyoshi, 4,852,634, Cl. 164-457.000.
- Ishida, Jun: *See—*
  - Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, 4,809,206, Cl. 364-724.010.
- Ishida, Jun'ichi: *See—*
  - Kumada, Junji; Mitsuhashi, Tetsuo; Okano, Fumio; Ishida, Jun'ichi; Oketani, Takashi; and Kondo, Tatsuhiko, 4,864,400, Cl. 358-148.000.
- Ishida, Junji: *See—*
  - Matsuoka, Noriyuki; and Ishida, Junji, 4,846,703, Cl. 439-71.000.
  - Matsuoka, Noriyuki; and Ishida, Junji, 4,865,554, Cl. 439-70.000.
- Ishida, Katsuyuki; Torita, Fumio; and Kohsaka, Yoshio, to Kabushiki Kaisha Toshiba. Washing machine. 4,835,994, 6-6-89, Cl. 68-174.000.
- Ishida, Katsuyuki; Torita, Fumio; and Kohsaka, Yoshio, to Kabushiki Kaisha Toshiba. Method of washing clothes using a washing machine. 4,837,883, 6-13-89, Cl. 8-159.000.
- Ishida, Kazushi: *See—*
  - Hayashi, Kazutoshi; Nabetani, Hideo; Tanaka, Toshiaki; and Ishida, Kazushi, 4,803,316, Cl. 200-406.000.
- Ishida, Kazuya: *See—*
  - Hirahara, Hideaki; Takabe, Tatsuo; Ishida, Kazuya; Saijo, Hiromitsu; Matsuda, Shinya; and Komura, Masaru, 4,814,820, Cl. 355-300.000.
- Ishida, Keiichi; and Harada, Kuniyoshi, to Aisin Seiki Co., Ltd. Air-controlled lumbar support device. 4,807,931, 2-28-89, Cl. 297-284.000.
- Ishida, Keiichi; and Terada, Takami, to Aisin Seiki Kabushiki Kaisha. Adjustable head rest device for vehicle. 4,830,434, 5-16-89, Cl. 297-408.000.
- Ishida, Kenji: *See—*
  - Terada, Toshiyuki; Hirose, Mayumi; and Ishida, Kenji, 4,803,526, Cl. 357-15.000.
- Ishida, Kimikazu; and Ishida, Tsuneo, to Saboten Co., Ltd. Arrangement for holding oil supply in sharp-edged tools. 4,836,335, 6-6-89, Cl. 184-102.000.
- Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Ono, Hisayoshi; Joyama, Norio; and Fujimoto, Kazuhiro, to Meiji Seika Kaisha, Ltd. Method for producing baked products. 4,857,354, 8-15-89, Cl. 426-558.000.
- Ishida, Kyoso; and Kodama, Shinya, to Mazda Motor Corporation. Dies for forging gear-shaped part made of sheet metal. 4,876,876, 10-31-89, Cl. 72-348.000.
- Ishida, Makoto: *See—*
  - Imai, Kiyoshi; Kawashima, Kazumi; and Ishida, Makoto, 4,796,089, Cl. 358-183.000.
- Ishida, Mamoru; Inaki, Shunichi; Akiyama, Yoshikazu; and Kohata, Mitsuhiro, to Ricoh Company, Ltd.; and Ricoh Research Institute of General Electronics. Method of producing thin film transistor. 4,883,766, 11-28-89, Cl. 437-40.000.
- Ishida, Masaaki; Miwa, Kiyoshi; Nakamori, Shigeru; and Sano, Konosuke, to Ajinomoto Company, Inc. Process for producing L-tryptophan. 4,885,245, 12-5-89, Cl. 435-108.000.
- Ishida, Masahiko; Haga, Ryooichi; Odawara, Yoji; Takahashi, Sankichi; and Ebara, Katsuya, to Hitachi, Ltd. Process for recovering subterranean stem starch and protein. 4,861,383, 8-29-89, Cl. 127-67.000.
- Ishida, Masahiko: *See—*
  - Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.
  - Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.
  - Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.
  - Nishimura, Yuusaku; Ishida, Masahiko; and Haga, Ryoichi, 4,888,285, Cl. 435-176.000.
  - Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, Cl. 428-332.000.
- Ishida, Masahiro: *See—*
  - Ohata, Hideo; Yoshihara, Ikuo; Takahashi, Yasuyuki; and Ishida, Masahiro, 4,817,032, Cl. 364-900.000.
- Ishida, Masaji: *See—*
  - Tanabe, Haruo; Ishida, Masaji; Fujino, Tomoya; and Kurata, Tadahiko, 4,829,167, Cl. 235-384.000.
- Ishida, Masako: *See—*
  - Saito, Masato; Fukuyama, Keiji; Ishida, Masako; Watanabe, Keiji; Kamata, Toyokazu; and Sano, Kinjiro, 4,797,593, Cl. 313-346.00R.
- Ishida, Masamitsu: *See—*
  - Adachi, Yuuma; and Ishida, Masamitsu, 4,816,677, Cl. 250-327.200.
  - Adachi, Yuuma; and Ishida, Masamitsu, 4,816,690, Cl. 250-327.200.
  - Adachi, Yuuma; Nakajima, Nobuyoshi; and Ishida, Masamitsu, 4,851,678, Cl. 250-327.200.
  - Funahashi, Takeshi; and Ishida, Masamitsu, 4,859,850, Cl. 250-327.200.
  - Funahashi, Takeshi; and Ishida, Masamitsu, 4,864,133, Cl. 250-327.200.
  - Nakajima, Nobuyoshi; Adachi, Yuuma; and Ishida, Masamitsu, 4,816,680, Cl. 250-327.200.
  - Saito, Tokukazu; and Ishida, Masamitsu, 4,814,618, Cl. 250-327.200.
  - Saito, Tokukazu; and Ishida, Masamitsu, 4,847,498, Cl. 250-327.200.
  - Saotome, Shigeru; and Ishida, Masamitsu, 4,843,241, Cl. 250-327.200.
  - Saotome, Shigeru; Ishida, Masamitsu; Shimura, Kazuo; and Watanabe, Hideo, 4,851,675, Cl. 250-327.200.
  - Saotome, Shigeru; and Ishida, Masamitsu, 4,882,489, Cl. 250-327.200.
  - Shimura, Kazuo; and Ishida, Masamitsu, 4,857,732, Cl. 250-327.200.
  - Shimura, Kazuo; and Ishida, Masamitsu, 4,859,849, Cl. 250-327.200.
- Ishida, Masanobu: *See—*
  - Okuda, Norio; Nakanishi, Noriyoshi; Yamamoto, Masahiro; Takenishi, Shinsuke; Miyahara, Kenichiro; Sonoda, Hiroaki; and Ishida, Masanobu, 4,804,823, Cl. 219-553.000.
- Ishida, Masao: *See—*
  - Komiya, Yukiatsu; Ishida, Masao; Hirai, Koji; and Okaya, Takuji, 4,816,544, Cl. 528-73.000.
- Ishida, Masaru: *See—*
  - Yamamoto, Hiroshi; Ishida, Masaru; Watanabe, Jin; Ishiwatari, Takashi; Tubaki, Kazuharu; and Nakanishi, Shinichi, 4,800,661, Cl. 38-93.000.
- Ishida, Masato: *See—*
  - Miura, Makoto; Miyamoto, Kazuki; and Ishida, Masato, 4,882,669, Cl. 364-184.000.
  - Sato, Isamu; Ishida, Masato; Abe, Eiichi; and Takeda, Hiroaki, 4,855,767, Cl. 346-160.000.
- Ishida, Masayuki: *See—*
  - Endo, Kazuhito; Ishida, Masayuki; and Ishida, Yoshinobu, 4,835,627, Cl. 360-32.000.
- Ishida, Minoru, to Marusan Co., Ltd. Spiral spring power source for toy. 4,881,621, 11-21-89, Cl. 185-39.000.
- Ishida, Miyuki: *See—*
  - Azuma, Isao; Ishida, Miyuki; and Aoki, Naozumi, 4,853,929, Cl. 371-25.000.
- Ishida, Muneo; Yamashita, Mithuo; Onishi, Masanari; and Tanaka, Masahiro, to Kawai Musical Instrument Manufacturing Co., Ltd. Keyboard. 4,840,104, 6-20-89, Cl. 84-437.000.
- Ishida, Noboru: *See—*
  - Akao, Shigeaki; Ishida, Noboru; and Kawamura, Mitsuyoshi, 4,872,431, Cl. 123-188.0AA.
  - Matsuura, Tooru; Ishida, Noboru; and Kawamura, Mitsuyoshi, 4,796,576, Cl. 123-90.430.
  - Taniguchi, Masato; Kawamura, Mitsuyoshi; Ishida, Noboru; and Ito, Masaya, 4,841,922, Cl. 123-90.510.
- Ishida, Nobumasa: *See—*
  - Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Ishida, Nobumasa; and Ishikawa, Junji, 4,814,009, Cl. 106-1.230.
- Ishida, Nobuyoshi: *See—*
  - Michimoto, Takashi; Kudo, Saburo; Kuwada, Kazuhiko; and Ishida, Nobuyoshi, 4,881,883, Cl. 425-89.000.

- Ishida, Norio: *See—*
  - Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
  - Tokuda, Toshio; Tokieda, Tsunemi; and Ishida, Norio, 4,794,954, Cl. 138-30.000.
- Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; and Yamamoto, Chuji, to Taihei Machinery Works, Ltd. Horizontal multiplaten press. 4,846,925, 7-11-89, Cl. 156-583.100.
- Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, to Taihei Machinery Works, Ltd. Horizontal multistage press. 4,863,552, 9-5-89, Cl. 156-583.100.
- Ishida, Ritsuo: *See—*
  - Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,999, Cl. 313-414.000.
- Ishida, Ryuichi: *See—*
  - Sato, Yasuhiko; Yamada, Koichiro; Nomura, Sumihiro; Ishida, Ryuichi; and Yamamura, Michio, 4,839,360, Cl. 514-252.000.
- Ishida Scales Mfg. Co., Ltd.: *See—*
  - Asai, Yoshiharu; Tsukamoto, Shinji; and Murata, Shuji, 4,852,673, Cl. 177-25.180.
  - Azegami, Osamu; and Miyake, Toshifumi, 4,818,380, Cl. 209-565.000.
  - Kohno, Masami, 4,858,708, Cl. 177-25.180.
  - Mikami, Yoshiharu; Kubo, Michihiro; and Kabumoto, Takashi, 4,844,190, Cl. 177-25.180.
  - Naito, Kazufumi; Haze, Setsuo; and Nobutugu, Hideo, 4,850,442, Cl. 177-164.000.
  - Sato, Hirokazu; Goto, Yasuhiro; Horiuchi, Kazufumi; Michibayashi, Yasuo; Nobutsugu, Hideo; and Kawamura, Takumi, 4,838,368, Cl. 177-25.180.
  - Yamada, Seiji; Kono, Katsuaki; and Terashima, Kiichi, 4,811,256, Cl. 364-567.000.
  - Yamada, Seiji, 4,853,881, Cl. 364-567.000.
- Ishida, Shiro, to Isuzu Motors Limited. Combustion chamber in internal combustion engine. 4,852,525, 8-1-89, Cl. 123-256.000.
- Ishida, Shunichi: *See—*
  - Yanagawa, Moriyuki; Ishida, Shunichi; Ogura, Ken; and Saito, Yushi, 4,877,496, Cl. 204-44.200.
- Ishida, Takao; Hagiwara, Hiroshi; and Kakumu, Ichizo, to Sintobrator, Ltd. Polishing device. 4,837,979, 6-13-89, Cl. 51-131.400.
- Ishida, Takeo; Hagiwara, Hiroshi; and Kakumu, Ichizo, to Sintobrator, Ltd. Polishing device. 4,839,992, 6-20-89, Cl. 51-5.00D.
- Ishida, Takeshi: *See—*
  - Kobayashi, Osamu; Sugimoto, Osamu; Furuya, Yonezou; Ishida, Takeshi; Tanaka, Masanori; and Ishii, Jun, 4,881,630, Cl. 194-203.000.
- Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, to Minolta Camera Kabushiki Kaisha. Digital focus detecting device. 4,829,170, 5-9-89, Cl. 250-201.000.
- Ishida, Tokuji, to Suzuki Jidosha Kogyo Kabushiki Kaisha. V-type multiple cylinder engine. 4,829,943, 5-16-89, Cl. 123-52.0MV.
- Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, to Minolta Camera Kabushiki Kaisha. Automatic focus detection system. 4,831,403, 5-16-89, Cl. 354-402.000.
- Ishida, Tokuji; Ootsuka, Hiroshi; and Mukai, Hiromu, to Minolta Camera Kabushiki Kaisha. Light measuring device. 4,843,417, 6-27-89, Cl. 354-408.000.
- Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; Norita, Toshio; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Focus detection device and method. 4,862,204, 8-29-89, Cl. 354-408.000.
- Ishida, Tokuji; and Norita, Toshio, to Minolta Camera Kabushiki Kaisha. Focus condition detecting device for use in a camera. 4,862,273, 8-29-89, Cl. 358-213.190.
- Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, to Minolta Camera Kabushiki Kaisha. Device with a discriminating priority system. 4,864,117, 9-5-89, Cl. 250-201.000.
- Ishida, Tokuji: *See—*
  - Hamada, Masataka; Ishida, Tokuji; Ishibashi, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,816,856, Cl. 354-402.000.
  - Hamada, Masataka; and Ishida, Tokuji, 4,860,045, Cl. 354-402.000.
  - Hamada, Masataka; Ishida, Tokuji; and Akada, Yasuaki, 4,888,609, Cl. 354-402.000.
  - Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; Norita, Toshio; and Taniguchi, Nobuyuki, 4,808,808, Cl. 250-201.000.
  - Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,809,077, Cl. 358-213.260.
  - Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,835,562, Cl. 354-408.000.
  - Taniguchi, Nishinomiya; Ishida, Tokuji; Norita, Toshio; Hamada, Masataka; and Karasaki, Toshihiko, 4,882,601, Cl. 354-407.000.
  - Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,816,861, Cl. 354-408.000.
  - Taniguchi, Nobuyuki; Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; and Norita, Toshio, 4,835,615, Cl. 358-213.190.
  - Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,851,657, Cl. 250-201.000.
  - Taniguchi, Nobuyuki; Karasaki, Toshihiko; Mukai, Hirom Tokumaru, Hisashi; and Ishida, Tokuji, 4,878,076, Cl. 354-286.000.
- Ishida, Toru: *See—*
  - Nakatani, Seiichi; Nishimura, Tsutomu; Yuhaku, Satoru; and Ishida, Toru, 4,795,512, Cl. 156-89.000.
  - Nakatani, Seiichi; Yuhaku, Satoru; Okinaka, Hideyuki; Ishida, Toru; Makino, Osamu; and Kikuchi, Tatsuro, 4,863,683, Cl. 419-10.000.
  - Yuhaku, Satoru; Nakatani, Seiichi; Nishimura, Tsutomu; and Ishida, Toru, 4,812,422, Cl. 501-20.000.
- Ishida, Toshihiko: *See—*
  - Tanaka, Kimio; Ishida, Toshihiko; and Shiba, Haruo, 4,837,651, Cl. 360-133.000.
- Ishida, Toshihiro: *See—*
  - Minegishi, Kiyoji; and Ishida, Toshihiro, 4,843,911, Cl. 74-801.00
- Ishida, Toshinobu: *See—*
  - Kousai, Tadashi; Moriuchi, Yousuke; and Ishida, Toshinobu, 4,830,805, Cl. 264-209.800.
  - Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, Yousuke, 4,874,374, Cl. 604-164.000.
  - Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, Yousuke, 4,883,468, Cl. 604-164.000.
- Ishida, Toshio: *See—*
  - Ichikawa, Rinjiro; and Ishida, Toshio, 4,802,742, Cl. 350-339.00
- Ishida, Tsuneo: *See—*
  - Ishida, Kimikazu; and Ishida, Tsuneo, 4,836,335, Cl. 184-102.00
- Ishida, Tsutomu: *See—*
  - Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; and Kobayashi, Shintaro, 4,826,360, Cl. 406-51.000.
  - Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shiya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.
  - Sasaki, Saburo; Ishida, Tsutomu; and Yamamoto, Kenji, 4,874,9 Cl. 250-578.000.
- Ishida, Tsuyoshi: *See—*
  - Matsuo, Yukito; Ishida, Tsuyoshi; Nakamura, Kunihiko; Masu Mitsuaki; Shin, Kouitirou; and Shirai, Isao, 4,817,694, C 198-346.200.
- Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hato Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, to Hitachi, Ltd.; and Tokyo Electric Power Co., Ltd. The Method and apparatus for diagnosing abnormal state of sodium (NA)—sulfur (S cell. 4,881,026, 11-14-89, Cl. 324-71.100.
- Ishida, Yasumi: *See—*
  - Okuhara, Makoto; and Ishida, Yasumi, 4,813,537, Cl. 206-63.50
- Ishida, Yoshiaki: *See—*
  - Nakagawa, Tatsushi; Ishida, Yoshiaki; Junichiro, Kaneoka; and Kaneshige, Yosuke, 4,868,029, Cl. 428-163.000.
- Ishida, Yoshihiko: *See—*
  - Oda, Isao; and Ishida, Yoshihiko, 4,856,970, Cl. 417-407.000.
- Ishida, Yoshihiro; Iinuma, Yoshio; and Ichikawa, Shingo, to Citizen Watch Co., Ltd. IC-packaged device. 4,868,634, 9-19-89, C 357-68.000.
- Ishida, Yoshihiro; Yoshida, Akira; and Kobayashi, Hideo, to Texas Instruments Incorporated. Method of ionizing gas within cathode containing chamber. 4,883,969, 11-28-89, Cl. 250-427.000.
- Ishida, Yoshihiro: *See—*
  - Wataya, Masafumi; Sato, Yukio; Ishida, Yoshihiro; and Yamamoto, Tadashi, 4,887,095, Cl. 346-76.0PH.
- Ishida, Yoshihisa: *See—*
  - Ishizaka, Yoshirou; Naganuma, Hiroshi; Sato, Kenji; Kishi, Yu Ishida, Yoshihisa; and Goto, Kiyokazu, 4,872,320, Cl. 62-255.00
- Ishida, Yoshinobu: *See—*
  - Endo, Kazuhito; Ishida, Masayuki; and Ishida, Yoshinobu, 4,835,627, Cl. 360-32.000.
- Ishida, Yoshitaka: *See—*
  - Ohmori, Seishi; Niskala, Wayne F.; and Ishida, Yoshitaka, 4,804,976, Cl. 346-76.0PH.
- Ishida, Yozo: *See—*
  - Sakayori, Kiyoshi; Iwasaki, Shinichi; Ishida, Yozo; Shinogu Toshikazu; and Ishizuka, Yuzo, 4,887,950, Cl. 411-302.00
- Ishida, Yukio: *See—*
  - Takahashi, Koichi; Okutsu, Kazuo; Ide, Yoshihiro; Takei, Hiroshi; Ishida, Yukio; and Harada, Kazumasa, 4,862,579, C 04862567729-.000.
  - Tsunekawa, Yuzo; Ishida, Yukio; and Shiino, Tatsuo, 4,878,971, C 156-70.000.
- Ishidate, Takeo: *See—*
  - Kimura, Haruo; Ishidate, Takeo; and Goto, Masao, 4,883,183, C 209-534.000.
- Ishide, Takashi: *See—*
  - Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Naganuma, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasuo Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Mo Masahiko; and Tomeoka, Masaru, 4,839,495, Cl. 219-121.60
- Ishido, Hideko: *See—*
  - Yamamoto, Hiromi; and Ishido, Hideko, 4,839,167, Cl. 424-71.00
- Ishido, Takao; Sasaki, Shougo; and Takahashi, Takao, to Nissan Motor Co., Ltd. Multiple-phase weaving fluid jet loom. 4,838,321, 6-13-8 Cl. 139-20.000.
- Ishidoshiro, Hiroshi: *See—*
  - Goto, Tokuju; Tanaka, Itsuo; Takahashi, Masakatu; Sando, Yoshikazu; and Ishidoshiro, Hiroshi, 4,829,189, Cl. 250-492.30
  - Sando, Yoshiteru; Ishidoshiro, Hiroshi; and Nakano, Eiichi, 4,834,766, Cl. 8-139.000.

- Ishifuro, Kathumi; and Hirata, Kengo, to Sharp Kabushiki Kaisha. Microwave oven/convection oven having means for controlling ventilation of the cooking chamber. 4,831,225, 5-16-89, Cl. 219-10.55B.
- Ishifuro, Katsumi: *See—*
  - Hirata, Kengo; and Ishifuro, Katsumi, 4,857,686, Cl. 219-10.55B.
- Ishigaki, Kunio; Yoshimura, Yuji; Kanetake, Satoshi; and Torigoe, Masaaki, to Fuji Photo Film Co., Ltd. Silver halide photographic light-sensitive material. 4,822,727, 4-18-89, Cl. 430-536.000.
- Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiichi; Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, to Fuji Photo Film Co., Ltd. Silver halide photographic element containing anhydazine compound and specific dyes. 4,879,204, 11-7-89, Cl. 430-512.000.
- Ishigaki, Kunio: *See—*
  - Mihara, Yuji; and Ishigaki, Kunio, 4,801,525, Cl. 430-518.000.
- Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sudo, Ryoichi; Iwami, Etsuji; and Izumi, Hirohumi, to Hitachi, Ltd.; and Hitachi Chemical Co. Ltd. Unsaturated polyester resin composition for cathode ray tube and its use. 4,866,338, 9-12-89, Cl. 313-478.000.
- Ishigaki, Toshinori, to Kabushiki Kaisha Toshiba. Hand scanner input system and a sheet used in hand scanner input system. 4,860,377, 8-22-89, Cl. 382-59.000.
- Ishigaki, Yoshio: *See—*
  - Teranishi, Nobutoyo; Goshoo, Yasukuni; Ishigaki, Yoshio; Satoh, Hiroshi; and Morishita, Masao, 4,850,536, Cl. 239-332.000.
- Ishigaki, Yukinobu, to Victor Company of Japan, Ltd. Phase-locked loop circuit. 4,888,564, 12-19-89, Cl. 331-1.00A.
- Ishigami, Hiroyuki: *See—*
  - Masuda, Satoru; and Ishigami, Hiroyuki, 4,872,548, Cl. 198-859.000.
- Ishigami, Kazuhiro, to Nissan Motor Co., Ltd. Spark-ignition internal combustion engine. 4,834,047, 5-30-89, Cl. 123-416.000.
- Ishigami, Kazuhiro, to Nissan Motor Co., Ltd. Engine cooling apparatus for automotive vehicle. 4,881,494, 11-21-89, Cl. 123-41.120.
- Ishigami, Makoto: *See—*
  - Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Tomida, Katsushi, 4,883,709, Cl. 428-288.000.
  - Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Kobayashi, Toshio, 4,840,829, Cl. 428-131.000.
  - Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; and Ishigami, Makoto, 4,868,958, Cl. 28-104.000.
- Ishigami, Michifumi, to Brother Kogyo Kabushiki Kaisha. Printing apparatus. 4,867,582, 9-19-89, Cl. 400-70.000.
- Ishigami, Michifumi; and Sasaki, Toyonori, to Brother Kogyo Kabushiki Kaisha. Engaging device of a keyboard for a data processing unit. 4,882,684, 11-21-89, Cl. 364-708.000.
- Ishigami, Osamu: *See—*
  - Tazaki, Yuichi; Ishigami, Osamu; Ichikawa, Akira; Yoshino, Daijyu; and Soyama, Akira, 4,846,938, Cl. 204-11.000.
- Ishigami, Shinji: *See—*
  - Endo, Shigeru; Nomura, Satoshi; Ishigami, Shinji; and Karibe, Sonoko, 4,879,133, Cl. 426-653.000.
- Ishige, Kanji: *See—*
  - Tatsuoka, Syuuzi; Sekiyama, Hiroshi; and Ishige, Kanji, 4,819,327, Cl. 29-840.000.
- Ishige, Kiyoo: *See—*
  - Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
- Ishige, Ryohei; and Hatakeyama, Kazuo, to Hitachi, Ltd. Crane and driving system therefor. 4,838,438, 6-13-89, Cl. 212-159.000.
- Ishige, Sadao; Usami, Toshimasa; Kamikawa, Hiroshi; and Tanaka, Toshiharu, to Fuji Photo Film Co., Ltd. Black color heat-sensitive diazo microcapsule recording material with benzoylacetic amide coupler. 4,842,979, 6-27-89, Cl. 430-138.000.
- Ishige, Yoshiki: *See—*
  - Ando, Yoshio; Ishige, Yoshiki; Kinugasa, Toshiyuki; and Sato, Shoji, 4,882,002, Cl. 156-310.000.
  - Furuya, Tamio; Tazaki, Yuichi; Kinugasa, Toshiyuki; Ishige, Yoshiki; and Tsuchimoto, Yuichi, 4,841,618, Cl. 29-423.000.
- Ishige, Yoshio: *See—*
  - Yoshida, Tsukasa; Ishige, Yoshio; Matsudaira, Masaki; and Takahashi, Tadashi, 4,840,807, Cl. 426-48.000.
- Ishigo, Naomoto, to Kioritz Corporation. Recoil apparatus. 4,850,233, 7-25-89, Cl. 74-6.000.
- Ishigouoka, Hiroshi: *See—*
  - Sowa, Yoshihide; Kobayashi, Takumi; Ishigouoka, Hiroshi; and Ono, Miyoko, 4,867,990, Cl. 426-8.000.
- Ishiguri, Masaaki, to Isowa Industry Co., Ltd. Sheet material slotting device. 4,805,502, 2-21-89, Cl. 83-332.000.
- Ishiguri, Masaaki: *See—*
  - Tani, Tetsuhiro; Ishiguri, Masaaki; Kikuchi, Rokuro; and Ohyama, Akio, 4,821,412, Cl. 29-882.000.
- Ishiguro, Fujio; and Narahara, Takumi, to NGK Insulators, Ltd. Method of producing oxygen sensing element. 4,835,009, 5-30-89, Cl. 427-126.200.
- Ishiguro, Fujio; and Narahara, Takumi, to NGK Insulators, Ltd. Oxygen sensing element and method for producing the same. 4,851,105, 7-25-89, Cl. 204-429.000.
- Ishiguro, Fujio; and Narahara, Takumi, to NGK Insulators, Ltd. Oxygen sensing element and process of manufacturing the same. 4,857,165, 8-15-89, Cl. 204-424.000.
- Ishiguro, Fujio: *See—*
  - Kurachi, Hiroshi; Ishiguro, Fujio; and Kato, Nobuhide, 4,863,583, Cl. 204-424.000.
- Ishiguro, Hiroyuki: *See—*
  - Kojima, Takao; Ishiguro, Hiroyuki; Kawachi, Yoshiki; and Yamada, Tetsusyo, 4,806,739, Cl. 219-543.000.
  - Kojima, Takao; Ishiguro, Hiroyuki; and Kami, Yoshihide, 4,863,584, Cl. 204-425.000.
- Ishiguro, Ikuo: *See—*
  - Miyagawa, Yukio; Kitayama, *Zenzo*; Ishiguro, Ikuo; and Suzuki, Yoshimasa, 4,863,526, Cl. 148-3.000.
- Ishiguro, Katsusuke: *See—*
  - Yamaguchi, Shigeki; Ohiwa, Norio; and Ishiguro, Katsusuke, 4,881,373, Cl. 60-732.000.
- Ishiguro, Kazuhisa: *See—*
  - Ishikawa, Tsutomu; Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishiguro, Kazuhisa; and Arai, Masashi, 4,864,637, Cl. 455-205.000.
  - Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,809,328, Cl. 381-13.000.
  - Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,852,167, Cl. 381-13.000.
- Ishiguro, Kazuyoshi: *See—*
  - Ando, Takayuki; Ishiguro, Kazuyoshi; Matsui, Kenji; Yamashita, Tatsuo; and Kondo, Toshikatsu, 4,878,692, Cl. 280-804.000.
  - Kitazawa, Yasuho; and Ishiguro, Kazuyoshi, 4,885,825, Cl. 24-639.000.
  - Yamashita, Tatsuo; and Ishiguro, Kazuyoshi, 4,840,401, Cl. 280-804.000.
- Ishiguro, Kuniaki; and Ishikawa, Takuma, to Minolta Camera Kabushiki Kaisha. Sheet processing apparatus with a sheet binding function. 4,801,133, 1-31-89, Cl. 270-53.000.
- Ishiguro, Kuniaki; and Ishikawa, Takuma, to Minolta Camera Kabushiki Kaisha. Copying apparatus having a sorting unit and a binding unit and controls therefor. 4,864,350, 9-5-89, Cl. 355-311.000.
- Ishiguro, Kuniaki: *See—*
  - Ishikawa, Takuma; and Ishiguro, Kuniaki, 4,811,048, Cl. 355-14.0SH.
  - Ishikawa, Takuma; Maruyama, Tadashi; Johdai, Akiyoshi; Ishiguro, Kuniaki; and Matsui, Toshio, 4,872,662, Cl. 271-290.000.
  - Ishikawa, Takuma; and Ishiguro, Kuniaki, 4,886,259, Cl. 270-53.000.
- Ishiguro, Masanori: *See—*
  - Akao, Mutsuo; Endo, Hisao; Seta, Toshio; and Ishiguro, Masanori, 4,796,823, Cl. 242-71.800.
  - Iwamoto, Shoji; Mizuta, Akira; Irie, Tadashi; and Ishiguro, Masanori, 4,814,927, Cl. 360-133.000.
  - Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, 4,876,907, Cl. 210-339.000.
- Ishiguro, Masato: *See—*
  - Kubosawa, Hajime; and Ishiguro, Masato, 4,837,461, Cl. 307-303.000.
- Ishiguro, Minoru, to Fuji Photo Optical Co., Ltd. Active-type autofocusing mechanism. 4,814,810, 3-21-89, Cl. 354-403.000.
- Ishiguro, Minoru; and Takahashi, Minoru, to Fuji Photo Film Co., Ltd. Light receiving element for a rangefinder. 4,839,685, 6-13-89, Cl. 354-403.000.
- Ishiguro, Minoru, to Fuji Photo Film Co., Ltd. Photodetector element for optical rangefinders. 4,868,591, 9-19-89, Cl. 354-402.000.
- Ishiguro, Mitsuo: *See—*
  - Hatakeyama, Yoshiharu; and Ishiguro, Mitsuo, 4,817,686, Cl. 141-12.000.
  - Hatakeyama, Yoshiharu; and Ishiguro, Mitsuo, 4,884,601, Cl. 141-71.000.
- Ishiguro, Okikazu; Nishimura, Masakatsu; Nozawa, Shigeru; Kamogawa, Hiromi; and Kawano, Shigeyoshi, to Babcock-Hitachi Kabushiki Kaisha. Method for controlling wet-process flue gas desulfurization. 4,836,991, 6-6-89, Cl. 423-242.000.
- Ishiguro, Shigeo: *See—*
  - Mizusaki, Sigenobu; Matsushita, Hajime; Ishiguro, Shigeo; Ichinose, Hiroshi; and Izumi, Akira, 4,877,909, Cl. 568-880.000.
  - Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi; and Mizusaki, Shigenobu, 4,845,065, Cl. 502-74.000.
- Ishiguro, Shoji; Hirano, Shigeo; Shishido, Tadao; and Miyake, Akio, to Fuji Photo Film Co., Ltd. Process for forming a superhigh contrast negative image. 4,873,172, 10-10-89, Cl. 430-264.000.
- Ishiguro, Shu; and Isobe, Ryosuke, to Konica Corporation. Magnetic recording medium. 4,835,049, 5-30-89, Cl. 428-323.000.
- Ishiguro, Shu: *See—*
  - Koyama, Noboru; Ishiguro, Shu; and Isobe, Ryosuke, 4,818,606, Cl. 428-323.000.
- Ishiguro, Toshiaki: *See—*
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,828,084, Cl. 192-3.300.
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,843,909, Cl. 74-752.00C.
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,870,877, Cl. 74-869.000.
  - Hasegawa, Hiromi; and Ishiguro, Toshiaki, 4,880,091, Cl. 192-3.300.
- Ishiguro, Toshio; Mizota, Hideaki; and Aoki, Tuyoshi, to Kubota, Ltd. Control system for working machine having boom. 4,863,337, 9-5-89, Cl. 414-699.000.

Ishiguro, Toshio: *See*—
  Sakai, Tsunenori; Ishiguro, Toshio; and Ishihara, Takaya, 4,814,495, Cl. 562-424.000.
Ishiguro, Yasuaki; Nara, Yoshio; and Araki, Yoshitaka, to Nikon Corporation. Electronic still camera. 4,849,819, 7-18-89, Cl. 358-213.130.
Ishiguro, Yasuaki, to Nikon Corporation. Apparatus for controlling automatic focusing in cameras. 4,881,097, 11-14-89, Cl. 354-402.000.
Ishiguro, Yasuo; Kato, Yoshito; Takeda, Fumiaki; Koide, Mitsuo; Kuno, Toshitaka; and Nakano, Masaru, to Toyota Jidosha Kabushiki Kaisha. Control system for an industrial robot with a foresight function. 4,831,316, 5-16-89, Cl. 318-568.130.
Ishiguro, Yasuo; Itou, Yoshizumi; and Shiroshita, Osamu, to Toyota Jidosha Kabushiki Kaisha; and Kabushiki Kaisha Toyota Chuo Kenkyusho. Multi-joint-robot controller for enabling detection of the spatial relationship between a robot and a rotary table. 4,831,547, 5-16-89, Cl. 364-513.000.
Ishiguro, Yasuo; Itou, Yoshizumi; Shiroshita, Osamu; and Nakano, Masaru, to Toyota Jidosha Kabushiki Kaisha; and Kabushiki Kaisha Toyota Chuo Kenkyusho. System for controlling a robot in association with a rotary table. 4,836,742, 6-6-89, Cl. 414-742.000.
Ishiguro, Yasuo: *See*—
  Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
Ishiguro, Yasuyuki; and Ogiri, Tadakazu, to Mita Industrial Co., Ltd. Cleaning unit in electrophotographic copier. 4,806,981, 2-21-89, Cl. 355-15.000.
Ishiguro, Yasuyuki: *See*—
  Kano, Atsushi; Ishiguro, Yasuyuki; Ogiri, Tadakazu; Ozaki, Hirofumi, and Yamashita, Yuji, 4,860,056, Cl. 355-298.000.
Ishiguro, Yoichi: *See*—
  Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, 4,822,399, Cl. 65-3.120.
  Yokota, Hiroshi; Kanamori, Hiroo; Ishiguro, Yoichi; Mizutani, Futoshi; and Tanaka, Gotaro, 4,846,867, Cl. 65-3.120.
Ishiguro, Yoshinori: *See*—
  Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.
Ishihara Chemical Co., Ltd.: *See*—
  Haga, Masaki; Tsuji, Kiyotaka; Nawafune, Hidemi; Mizumoto, Shozo; and Uchida, Ei, 4,804,410, Cl. 106-1.150.
Ishihara, Hideaki: *See*—
  Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, 4,851,508, Cl. 528-272.000.
  Kurita, Kazuo; and Ishihara, Hideaki, 4,859,389, Cl. 264-130.000.
Ishihara, Hideo: *See*—
  Fukasawa, Yoshiharu; Kawai, Mituo; Ishihara, Hideo; and Yamanobe, Takashi, 4,842,706, Cl. 204-298.000.
Ishihara, Hidetoshi: *See*—
  Hayashi, Shoichi; Sakai, Norio; and Ishihara, Hidetoshi, 4,848,106, Cl. 68-19.100.
Ishihara, Ichiro; and Aoyama, Masahide, to Kabushiki Kaisha Toshiba. Comparison circuit. 4,814,643, 3-21-89, Cl. 307-355.000.
Ishihara, Ichiro; and Kanai, Toshio, to Kabushiki Kaisha Toshiba. Differential amplifier circuit. 4,855,686, 8-8-89, Cl. 330-261.000.
Ishihara, Katsuro: *See*—
  Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,819, Cl. 29-157.10A.
Ishihara, Ken: *See*—
  Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Ken, 4,841,341, Cl. 355-43.000.
Ishihara, Koji: *See*—
  Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; Takehara, Kimio; Matoba, Yuji; and Ishihara, Koji, 4,872,762, Cl. 374-5.000.
Ishihara, Koushi: *See*—
  Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, 4,878,933, Cl. 65-29.000.
Ishihara, Makoto: *See*—
  Hattori, Yoshiaki; and Ishihara, Makoto, 4,859,243, Cl. 106-110.000.
Ishihara, Mamoru: *See*—
  Nakajima, Nobuaki; Yasuhara, Seiji; and Ishihara, Mamoru, 4,820,462, Cl. 264-63.000.
Ishihara, Masaki: *See*—
  Hattori, Toshihiro; Ishihara, Masaki; Kasai, Hitoshi; and Asagi, Yasuyoshi, 4,843,555, Cl. 364-431.070.
Ishihara, Masami: *See*—
  Ogata, Hiroshi; Nawa, Hiroyoshi; Tokuda, Kuniaki; and Ishihara, Masami, 4,851,572, Cl. 562-437.000.
Ishihara, Masamichi: *See*—
  Shinoda, Takashi; and Ishihara, Masamichi, 4,802,135, Cl. 365-233.000.
  Yamaguchi, Yasunori; and Ishihara, Masamichi, 4,819,213, Cl. 365-233.000.
  Yamaguchi, Yasunori; Yoshida, Akirahiko; Nei, Masami; Ishihara, Masamichi; and Yamamoto, Yukio, 4,858,190, Cl. 365-189.050.
Ishihara, Masao: *See*—
  Morita, Masataka; Ishihara, Masao; and Tachikawa, Mitsuru, 4,836,324, Cl. 180-291.000.
Ishihara, Masato: *See*—
  Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masa 4,796,244, Cl. 369-38.000.
Ishihara, Masayuki: *See*—
  Yamaguchi, Noboru; Ogawa, Satoru; Kajita, Susumu; Yoshizawa, Izuru; Waki, Kiyotaka; and Ishihara, Masayuki, 4,865,877, C 427-98.000.
Ishihara, Mitsugu: *See*—
  Shimada, Keiichiro; Takada, Shinji; Ishihara, Mitsugu; and M chida, Yukihiko, 4,821,032, Cl. 340-825.210.
Ishihara, Mitsutoshi: *See*—
  Matsuda, Yoshio; and Ishihara, Mitsutoshi, 4,838,044, C 66-190.000.
Ishihara, Nobuhiro: *See*—
  Asano, Hiroaki; Tsujiuchi, Toshio; Yoneda, Takao; Ishihara, Nobuhiro; Maruyama, Toshio; and Ohta, Norio, 4,873,793, C 51-165.710.
Ishihara, Sadao: *See*—
  Sakai, Masaaki; Ishihara, Sadao; and Shimoyama, Toru 4,838,720, Cl. 400-642.000.
Ishihara Sangyo Kaisha Ltd.: *See*—
  Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanag Toru; and Okada, Hiroshi, 4,845,093, Cl. 514-247.000.
  Haga, Takahiro; Toki, Tadaaki; Koyanagi, Toru; Fujii, Yasuhiro; Yoshida, Kiyomitsu; and Imai, Osamu, 4,861,799, C 514-594.000.
  Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanag Toru; and Okada, Hiroshi, 4,863,924, Cl. 514-247.000.
  Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Hayashi, Koji; Ikeguchi, Masahiko; and Yoshida, Tsunezo, 4,822,402, C 71-90.000.
  Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Shimoharada, Hiroshi; Yoshida, Tsunezo; and Ikeguchi, Masahiko, 4,835,2 Cl. 548-213.000.
  Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masa Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahir Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Tor 4,849,425, Cl. 514-274.000.
  Murakami, Hajime; Takenouchi, Tooru; and Ikeura, Hir 4,811,057, Cl. 355-71.000.
  Sakamoto, Masashi; Okuda, Haruo; Takahashi, Hideo; an Yamada, Eiji, 4,880,703, Cl. 428-378.000.
Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawagoe, Ken to Nissan Motor Co., Ltd. Electronically controlled power steering system. 4,828,065, 5-9-89, Cl. 180-142.000.
Ishihara, Satoru: *See*—
  Kawagoe, Kenji; Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu and Kawabata, Kazunobu, 4,827,416, Cl. 364-424.050.
Ishihara, Satoshi: *See*—
  Hida, Yoshiaki; Ishihara, Satoshi; Take, Seiji; Gogami, Masa an Suzuki, Toshiyuki, 4,841,134, Cl. 235-488.000.
Ishihara, Seiichi: *See*—
  Hayashi, Yutaka; Ishihara, Seiichi; and Hiraishi, Hisato, 4,818,8 Cl. 250-229.000.
  Hayashi, Yutaka; Hayabuchi, Itsunari; Tsuchiya, Tatsuo; and Ishihara, Seiichi, 4,868,632, Cl. 357-54.000.
Ishihara, Shin-ichiro, to Matsushita Electric Industrial Co., Ltd. Plasma treating apparatus for gas temperature measuring method. 4,883,56 11-28-89, Cl. 156-626.000.
Ishihara, Shinichi: *See*—
  Ikeda, Hayato; Kawamura, Hisato; and Ishihara, Shinich 4,886,424, Cl. 417-269.000.
Ishihara, Shinichiro; Kitagawa, Masatoshi; and Hirao, Takashi, t Matsushita Electric Industrial Co., Ltd. Method for producing a amorphous silicon semiconductor device using a multichamber PECVD apparatus. 4,800,174, 1-24-89, Cl. 437-101.000.
Ishihara, Shousaku: *See*—
  Toda, Gyozo; Kuroki, Takashi; Ishihara, Shousaku; Kanda, Nao and Fujita, Tsuyoshi, 4,817,276, Cl. 29-830.000.
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, t Canon Kabushiki Kaisha. Apparatus for preparing a photoelectromotive force member having a concentric triplicate conduit for generating active species and precursor. 4,798,167, 1-17-89, Cl. 118-723.00
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; an Shimizu, Isamu, to Canon Kabushiki Kaisha. Process for forming deposited film. 4,801,468, 1-31-89, Cl. 427-35.000.
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, t Canon Kabushiki Kaisha. Process for preparing a functional deposited film. 4,803,093, 2-7-89, Cl. 427-35.000.
Ishihara, Shunichi, to Canon Kabushiki Kaisha. Method for forming deposited film. 4,806,386, 2-21-89, Cl. 427-39.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming a deposited film. 4,812,32 3-14-89, Cl. 427-69.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for preparation of multi-layer structure film. 4,818,560, 4-4-89, Cl. 427-38.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Process for forming deposited film. 4,818,563, 4-4-89, Cl. 427-55.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming deposited film. 4,818,564, 4-4-89, Cl. 427-69.000.

Ishihara, Shunichi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming a multi-layer deposited film. 4,824,697, 4-25-89, Cl. 427-255.200.
Ishihara, Shunichi, to Canon Kabushiki Kaisha. Process for the preparation of a PIN opto-electric conversion element. 4,826,778, 5-2-89, Cl. 437-4.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming a deposited film. 4,837,048, 6-6-89, Cl. 427-69.000.
Ishihara, Shunichi, to Canon Kabushiki Kaisha. Image forming apparatus. 4,839,689, 6-13-89, Cl. 355-202.000.
Ishihara, Shunichi; Osada, Yoshiyuki; Oda, Shunri; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Deposited film forming process and deposited film forming device. 4,849,249, 7-18-89, Cl. 427-38.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Process for forming deposited film including carbon as a constituent element. 4,853,251, 8-1-89, Cl. 427-38.000.
Ishihara, Shunichi; Ootoshi, Hirokazu; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for making a thin film transistor using a concentric inlet feeding system. 4,885,258, 12-5-89, Cl. 437-40.000.
Ishihara, Shunichi: *See*—
  Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,166, Cl. 118-719.000.
  Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,809, Cl. 437-4.000.
  Hirooka, Masaaki; Ogawa, Kyosuke; Ishihara, Shunichi; and Shimizu, Isamu, 4,835,005, Cl. 427-38.000.
  Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,855,210, Cl. 430-133.000.
  Nakagawa, Katsumi; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Kanai, Masahiro, 4,851,302, Cl. 428-658.000.
  Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Murakami, Tsutomu, 4,888,062, Cl. 136-258.000.
Ishihara, Takafumi: *See*—
  Tatsuoka, Toshio; Nomura, Kayoko; Satoh, Fumio; Ishihara, Takafumi; Miyano, Seiji; and Sumoto, Kunihiro, 4,845,094, Cl. 514-228.200.
Ishihara, Takashi: *See*—
  Azuma, Masashi; Narushima, Tuneo; and Ishihara, Takashi, 4,795,613, Cl. 422-64.000.
Ishihara, Takaya: *See*—
  Sakai, Tsunenori; Ishiguro, Toshio; and Ishihara, Takaya, 4,814,495, Cl. 562-424.000.
Ishihara, Takayuki: *See*—
  Hamada, Shinji; and Ishihara, Takayuki, 4,847,657, Cl. 355-218.000.
Ishihara, Takeshi: *See*—
  Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Takeshi, 4,805,000, Cl. 355-43.000.
  Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Takeshi, 4,812,880, Cl. 355-53.000.
  Sasago, Masaru; Endo, Masayuki; Ogawa, Kazufumi; and Ishihara, Takeshi, 4,805,002, Cl. 355-67.000.
Ishihara, Toshinobu: *See*—
  Endo, Mikio; Takamizawa, Minoru; Ishihara, Toshinobu; Kubota, Tohru; and Shinohara, Toshio, 4,883,569, Cl. 204-157.740.
  Yoshioka, Hiroshi; Yamamoto, Akira; Takamizawa, Minoru; and Ishihara, Toshinobu, 4,869,747, Cl. 71-106.000.
Ishihara, Toshio, to General Electric Company. Melt blending of a carboxy terminated polystyrene oligomer with an aromatic polyester. 4,804,711, 2-14-89, Cl. 525-146.000.
Ishihara, Toshio, to General Electric Company. Composition of graft modified polyphenylene ether and polycarbonate. 4,814,393, 3-21-89, Cl. 525-394.000.
Ishihara, Tsutomu, to NEC Corporation. Signal conversion circuit. 4,868,411, 9-19-89, Cl. 307-119.000.
Ishihara, Yasunobu: *See*—
  Matsutani, Shigeru; Mizushima, Yukio; Doteuchi, Masami; and Ishihara, Yasunobu, 4,840,953, Cl. 514-258.000.
Ishihara, Yasuoki; Ohsato, Fumio; Sakai, Jun; and Natsume, Takeshi, to Hitachi Metals, Ltd.; and Honda Giken Kogyo Kabushiki Kaisha. Nodular cast iron having a high impact strength and process of treating the same. 4,889,687, 12-26-89, Cl. 420-13.000.
Ishihara, Yoshihiro, to Juki Corporation; and Nakajima Seisakusho Company. Clutch reversing roll feed for a sewing machine. 4,860,677, 8-29-89, Cl. 112-318.000.
Ishihara, Yuji; and Yamasaki, Akio, to Seibu Polymer Kasei Kabushiki Kaisha. Pavement-marking tape applicator. 4,824,516, 4-25-89, Cl. 156-523.000.
Ishihara, Yuji: *See*—
  Kobayashi, Sadao; Ishihara, Yuji; Sato, Katsuyuki; and Ijichi, Kouichi, 4,876,141, Cl. 428-217.000.
Ishiharada, Minoru; Chikaraishi, Toshio; Kaneda, Hiroshi; and Tomita, Seisuke, to Bridgestone Corporation. Pressure-sensitive sensors. 4,830,461, 5-16-89, Cl. 350-96.290.
Ishihata, Mitsuhiro: *See*—
  Uemura, Isao; and Ishihata, Mitsuhiro, 4,844,922, Cl. 426-104.000.
Ishii, Akio: *See*—
  Oshima, Etsuo; Obase, Hiroyuki; Karasawa, Akira; Kubo, Kazuhiro; Miki, Ichiro; and Ishii, Akio, 4,882,351, Cl. 514-431.000.
Ishii, Akira; Maehara, Katsumi; Boerning, Bernward; and Akakabe, Yoshifumi, to Nippon ABS, Ltd. Brake fluid pressure control apparatus in skid control system. 4,844,558, 7-4-89, Cl. 303-119.000.
Ishii, Akira; and Ito, Ryoichi, to Kubota Ltd. Engine working machine assembly with soundproof cover. 4,856,470, 8-15-89, Cl. 123-195.00C.
Ishii, Eiichi: *See*—
  Yoshizawa, Shigeo; and Ishii, Eiichi, 4,800,338, Cl. 329-103.000.
Ishii, Fumio: *See*—
  Iwagaki, Masaru; Sasaki, Takashi; Kumamura, Tawara; Ishii, Fumio; and Koshizuka, Kunihiro, 4,840,882, Cl. 430-505.000.
  Tachibana, Kimie; Kaneko, Yutaka; and Ishii, Fumio, 4,873,183, Cl. 430-550.000.
  Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.
Ishii, Hakumi: *See*—
  Hida, Tsuneo; Takizawa, Sumio; Ishii, Hakumi; Kegasa, Hideo; and Izawa, Minoru, 4,881,020, Cl. 318-626.000.
  Kikuchi, Kenichi; Kawai, Yoshikane; Satou, Makoto; and Ishii, Hakumi, 4,832,364, Cl. 280-690.000.
Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, to Pioneer Electronic Corporation. Disk playing method resulting in reduced start-up time. 4,872,068, 10-3-89, Cl. 358-342.000.
Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, to Pioneer Electronic Corporation. Spindle servo device for data recording disk reproducing apparatus. 4,885,644, 12-5-89, Cl. 358-342.000.
Ishii, Hideo: *See*—
  Hashimoto, Nobuo; Ishii, Hideo; Tanahashi, Kenji; Ohno, Kenji; and Ohno, Kiichi, 4,884,894, Cl. 366-338.000.
Ishii, Hideshi, to NEC Corporation. Lookahead program loop controller with register and memory for storing number of loop times for branch on count instructions. 4,882,701, 11-21-89, Cl. 364-900.000.
Ishii, Hiroaki; Sato, Yukio; Udagawa, Yutaka; and Wataya, Masafumi, to Canon Kabushiki Kaisha. Recording apparatus having controllable recording beam states. 4,821,065, 4-11-89, Cl. 355-14.00E.
Ishii, Hiroaki, to Omron Tateisi Electronics Co. Electronic cash register system with faster access time to price look-up file. 4,875,163, 10-17-89, Cl. 364-405.000.
Ishii, Hiroaki, to Omron Tateisi Electronics Co. Transaction processing apparatus having PLU function. 4,879,649, 11-7-89, Cl. 364-405.000.
Ishii, Hiroaki: *See*—
  Suzuki, Yoshiyuki; and Ishii, Hiroaki, 4,870,499, Cl. 358-443.000.
Ishii, Hiromitsu; and Yamauchi, Yukio, to Hochiki Corporation. Fire alarm system. 4,796,205, 1-3-89, Cl. 364-550.000.
Ishii, Hiromitsu; and Ono, Takashi, to Hochiki Corporation. Extinction type detector. 4,838,698, 6-13-89, Cl. 356-437.000.
Ishii, Hiromitsu; and Ono, Takashi, to Hochiki Kabushiki Kaisha. Fire alarm system, sensor and method. 4,871,999, 10-3-89, Cl. 340-587.000.
Ishii, Hiroshi, to Kabushiki Kaisha Toshiba. Output display apparatus. 4,835,529, 5-30-89, Cl. 340-721.000.
Ishii, Hiroshi; Nakai, Shunji; Sawai, Hiroyuki; Ueda, Tetsuyuki; Hanato, Hiroyuki; and Iwamatsu, Tadashi, to Sharp Kabushiki Kaisha. Electrified transfer recording apparatus. 4,866,463, 9-12-89, Cl. 346-153.000.
Ishii, Hiroshi: *See*—
  Hanaoka, Kazunari; and Ishii, Hiroshi, 4,850,703, Cl. 366-160.000.
  Koto, Haruhiko; Okada, Junichi; Ishii, Hiroshi; and Sawada, Kenji, 4,806,955, Cl. 346-140.00R.
Ishii, Hiroshisa: *See*—
  Goto, Nobuo; Ishii, Hiroshisa; and Nakajima, Hirokazu, 4,820,772, Cl. 524-83.000.
Ishii, Hiroyuki: *See*—
  Maeda, Teizou; Kubota, Toshihiro; and Ishii, Hiroyuki, 4,824,193, Cl. 350-3.720.
Ishii, Hisao: *See*—
  Araki, Hiroshi; Ishii, Hisao; Akiyama, Yoshihisa; Kamada, Hiroshi; and Nagatomi, Takashi, 4,870,744, Cl. 29-568.000.
Ishii, Jun: *See*—
  Kobayashi, Osamu; Sugimoto, Osamu; Furuya, Yonezou; Ishida, Takeshi; Tanaka, Masanori; and Ishii, Jun, 4,881,630, Cl. 194-203.000.
Ishii, Junichi; and Oka, Kouichi. Method of forming a rare earth-cobalt type magnetic powder for resinous magnet. 4,863,511, 9-5-89, Cl. 75-0.5AA.
Ishii, Katsumi; and Matsuoka, Yoshio, to Nissan Motor Co., Ltd. Four wheel steer vehicle control system responsive to suspension characteristic change. 4,828,283, 5-9-89, Cl. 280-91.000.
Ishii, Kazuaki; Futatsugi, Toshiro; Oshima, Toshio; Fujii, Toshio; Yokoyama, Naoki; and Shibatomi, Akihiro, to Fujitsu Limited. Method of forming a high temperature stable ohmic contact to a III-V substrate. 4,889,831, 12-26-89, Cl. 437-184.000.
Ishii, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,847,725, 7-11-89, Cl. 361-96.000.
Ishii, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,849,848, 7-18-89, Cl. 361-96.000.
Ishii, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker including selectively operable long-time-delay tripping circuit. 4,858,058, 8-15-89, Cl. 361-96.000.
Ishii, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Current sensing device. 4,860,153, 8-22-89, Cl. 361-94.000.
Ishii, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker with overcurrent protection. 4,862,312, 8-29-89, Cl. 361-96.000.

Ishii, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,866,558, 9-12-89, Cl. 361-96.000.

Ishii, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,873,603, 10-10-89, Cl. 361-96.000.

Ishii, Kazuhiro: *See*—

Oh-Kita, Motomu; Ishii, Kazuhiro; and Kato, Masaaki, 4,804,778, Cl. 562-534.000.

Ishii, Kazumasa: *See*—

Kase, Keizo; Idai, Tsutomu; Ishii, Kazumasa; and Takahashi, Eiji, 4,847,435, Cl. 568-750.000.

Ishii, Kazunori: *See*—

Iwamuro, Minoru; Ishii, Kazunori; and Sarai, Naohito, 4,794,886, Cl. 123-52.00M.

Ishii, Kazuo: *See*—

Dan, Shigeyuki; Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; and Sera, Hidefumi, 4,837,102, Cl. 430-114.000.

Kato, Eiichi; Ishii, Kazuo; Itakura, Ryosuke; and Sera, Hidefumi, 4,828,952, Cl. 430-87.000.

Kato, Eiichi; Dan, Shigeyuki; Ishibashi, Hiroshi; Ishii, Kazuo; and Sera, Hidefuji, 4,840,865, Cl. 430-114.000.

Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; Dan, Shigeyuki; and Sera, Hidefumi, 4,842,975, Cl. 430-137.000.

Kato, Eiichi; and Ishii, Kazuo, 4,857,431, Cl. 430-91.000.

Kato, Eiichi; Ishii, Kazuo; and Itakura, Ryosuke, 4,871,638, Cl. 430-96.000.

Kato, Eiichi; and Ishii, Kazuo, 4,880,716, Cl. 430-49.000.

Ishii, Keiichi; Tsutsumi, Yukio; Saeki, Kazunori; and Koyama, Mitsuji, to Mitsubishi Kinzoku Kabushiki Kaisha; and Japan Silicon Co., Ltd. Method and apparatus for application of was on wafers. 4,851,263, 7-25-89, Cl. 427-240.000.

Ishii, Keisuke: *See*—

Etoh, Motoaki; and Ishii, Keisuke, 4,881,510, Cl. 123-572.000.

Nagashima, Akira; and Ishii, Keisuke, 4,866,921, Cl. 56-257.000.

Ishii, Keizou: *See*—

Kashihara, Akio; Ishii, Keizou; and Ishikura, Shinichi, 4,842,936, Cl. 428-407.000.

Kashihara, Akio; Miyazono, Tadafumi; Ishii, Keizou; and Ishikura, Shinichi, 4,870,132, Cl. 525-100.000.

Kida, Katsuaki; Kashihara, Akio; Ishii, Keizou; and Kayano, Hiromichi, 4,803,252, Cl. 526-297.000.

Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, 4,812,549, Cl. 526-318.000.

Muramoto, Hisaichi; Ishii, Keizou; and Ishikura, Shinichi, 4,829,127, Cl. 525-309.000.

Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, 4,883,899, Cl. 560-14.000.

Ishii, Kenji: *See*—

Isshiki, Tomiya; Kijima, Yasuhiko; Ito, Akira; and Ishii, Kenji, 4,843,170, Cl. 560-261.000.

Kanematsu, Susumu; and Ishii, Kenji, 4,812,703, Cl. 313-318.000.

Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, to Minolta Camera Kabushiki Kaisha. Reader-printer having an image rotation device. 4,857,965, 8-15-89, Cl. 355-45.000.

Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, to Minolta Camera Kabushiki Kaisha. Reader-printer having an image rotation device. 4,857,966, 8-15-89, Cl. 355-45.000.

Ishii, Kimiyasu, to Ricoh Company, Ltd. Electrostatic image recording apparatus with a shiftable reference image. 4,809,039, 2-28-89, Cl. 355-14.00R.

Ishii, Kiyoshi: *See*—

Czytko, Michael; Ishii, Kiyoshi; and Kawai, Kimitoshi, 4,882,277, Cl. 435-136.000.

Ishii, Koichi: *See*—

Nakagawa, Yaoko; and Ishii, Koichi, 4,890,220, Cl. 364-200.000.

Ishii, Koji; and Okuda, Yukito, to Ryobi Ltd. Skew correcting apparatus for multi-color printing machine. 4,860,651, 8-29-89, Cl. 101-232.000.

Ishii, Koji, to Ryobi Ltd. Image position adjusting apparatus of rotary press machine. 4,879,950, 11-14-89, Cl. 101-217.000.

Ishii, Kozo: *See*—

Fujiwara, Takuji; Ishii, Kozo; and Mizobe, Tatsutoshi, 4,841,813, Cl. 74-866.000.

Ishii, Kuniaki, to King Jim Co., Ltd.; and B.S. Computer Service Co., Ltd. Floppy disc case assembly of small size. 4,844,261, 7-4-89, Cl. 206-444.000.

Ishii, Kyoko; Yanagisawa, Kazumasa; and Muranaka, Masaya, to Hitachi Ltd.; and Hitachi VLSI Engineering Corp. Semiconductor integrated circuit device. 4,807,190, 2-21-89, Cl. 365-189.000.

Ishii, Masahiko: *See*—

Hamaguchi, Shigeki; Ohtsuka, Yasuhiro; Motohiro, Tomoyoshi; Taga, Yasunori; and Ishii, Masahiko, 4,874,664, Cl. 428-325.000.

Ishii, Masami: *See*—

Kato, Yukihiro; Ishii, Masami; Yabuno, Ryohei; and Oka, Tetsuo, 4,876,893, Cl. 73-726.000.

Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, 4,821,011, Cl. 338-4.000.

Tsuzuki, Takoyoshi; Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, 4,864,273, Cl. 338-174.000.

Ishii, Masanobu, to Kabushiki Kaisha Toyo Seisakusho. Salt damage environmental testing chamber for self-propelled vehicles. 4,794,804, 1-3-89, Cl. 73-865.600.

Ishii, Masanobu: *See*—

Suzuki, Nobuo; Ota, Ikuhide; and Ishii, Masanobu, 4,847,[illegible]0, Cl. 364-551.010.

Ishii, Masao: *See*—

Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.

Ishii, Mieko: *See*—

Kan, Tsuneo; Nakamura, Yozo; and Ishii, Mieko, 4,806,077, Cl. 417-2.000.

Ishii, Minoru, to Aisin Seiki Kabushiki Kaisha. Headrest apparatus. 4,844,545, 7-4-89, Cl. 297-410.000.

Ishii, Mitsuaki, and Miyazaki, Masaaki, to Mitsubishi Denki Kabushiki Kaisha. Vehicle control apparatus. 4,837,454, 6-6-89, Cl. 307-10.100.

Ishii, Mitsuaki; Miyazaki, Masaaki; and Matsunaga, Takahiro, to Mitsubishi Denki Kabushiki Kaisha. Microcomputer applied control unit for use in a vehicle. 4,885,691, 12-5-89, Cl. 364-424.040.

Ishii, Nolihisa: *See*—

Miura, Nobuo; Nakayama, Hitoshi; Ishii, Nolihisa; and Maeda, Hidenori, 4,827,891, Cl. 123-598.000.

Ishii, Norio, to Fuji Jukogyo Kabushiki Kaisha. Method of assembling a valve-lash adjuster for internal combustion engines. 4,867,112, 9-19-89, Cl. 123-90.450.

Ishii, Osami: *See*—

Mori, Keiji; and Ishii, Osami, 4,796,114, Cl. 360-84.000.

Ishii, Ryutaro, to Bridgestone Corporation. Apparatus for sticking rubber sheet material. 4,812,196, 3-14-89, Cl. 156-412.000.

Ishii, Sakae: *See*—

Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, 4,851,741, Cl. 315-382.000.

Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, to Hitachi, Ltd.; and Hitachi Iruma Electronic Co., Ltd. Light emitting device with an optical fiber and a deformable support member for supporting the optical fiber. 4,834,492, 5-30-89, Cl. 350-96.200.

Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, to Hitachi, Ltd.; and Hitachi Iruma Electronic Co., Ltd. Method of assembling a light emitting device with an optical fiber. 4,883,342, 11-28-89, Cl. 350-320.000.

Ishii, Satoru: *See*—

Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.

Ishii, Seiji, to Teijin Limited. Stretchable synthetic polymer composite filament. 4,861,660, 8-29-89, Cl. 428-371.000.

Ishii, Shigemichi: *See*—

Ogou, Sunoo; Ishii, Shigemichi; Tagomori, Sadaaki; Fukushima, Takuo; and Hayashida, Yasumasa, 4,889,312, Cl. 249-216.000.

Ishii, Shigeru, to Nissan Motor Co., Ltd. Control system for automotive transmission arrangement including lock-up clutch. 4,881,627, 11-21-89, Cl. 192-0.076.

Ishii, Shigeru: *See*—

Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, 4,837,217, Cl. 514-252.000.

Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,874,861, Cl. 544-229.000.

Ishii, Shin-ichi; Kai, Gentaroh; Hara, Toshiaki; and Nakano, Iwao, to Japan Marine Science & Technology Center. Data transmission method for ocean acoustic tomography. 4,805,160, 2-14-89, Cl. 367-134.000.

Ishii, Shiro; Kubota, Hachiro; Hida, Toshiharu; and Migita, Junichiro, to Onoda Cement Company, Ltd. Expansive demolition agent. 4,807,530, 2-28-89, Cl. 102-333.000.

Ishii, Shiro: *See*—

Katayama, Takaaki; Ishii, Shiro; Hitotsuya, Koretoshi; and Kubota, Hachiro, 4,816,194, Cl. 264-16.000.

Ishii, Shoji: *See*—

Mashita, Kentaro; Nambu, Jinsho; and Ishii, Shoji, 4,849,476, Cl. 525-183.000.

Ishii, Susumu, to Yoshida Kogyo K. K. Automatically locking slider. 4,829,638, 5-16-89, Cl. 24-421.000.

Ishii, Taiji; and Shibata, Masayuki, to Dai Nippon Insatsu Kabushiki Kaisha. Method for producing molded products having unevenness tuned with ink patterns. 4,871,503, 10-3-89, Cl. 264-248.000.

Ishii, Takaaki; and Kuge, Toru, to Kabushiki Kaisha Toshiba. Speech recognition system with an accurate recognition function. 4,873,714, 10-10-89, Cl. 379-88.000.

Ishii, Takafumi: *See*—

Itoh, Hiroyuki; Ishii, Takafumi; and Satoh, Tetsuo, 4,857,427, Cl. 430-19.000.

Ishii, Takaharu: *See*—

Wakimoto, Kazumasa; Shibata, Motohiro; Ishii, Takaharu; and Sakurai, Masaaki, 4,857,106, Cl. 75-41.000.

Ishii, Takashi; Kohama, Hajime; Yabe, Hisao; Yano, Akira; and Nitta, Shinsuke, to Kabushiki Kaisha Toshiba; Yano Kousakujo Corporation; and Notoshiti Corporation. Machine parts with wear-resistant surface brought into contact with elongated fibrous member. 4,822,662, 4-18-89, Cl. 428-131.000.

Ishii, Takashi; Kohama, Hajime; and Yabe, Hisao, to Kabushiki Kaisha Toshiba. Mechanical part. 4,853,284, 8-1-89, Cl. 428-335.000.

Ishii, Takatoshi, to Tokyo Shibaura Denki Kabushiki Kaisha. Pattern write control circuit. 4,823,119, 4-18-89, Cl. 340-703.000.

Ishii, Takatoshi, to ASCII Corporation. Display control system which produces varying patterns to reduce flickering. 4,827,255, 5-2-89, Cl. 340-703.000.

Ishii, Takatoshi, and Kaneko, Makoto, to Ascii Corporation; and Nippon Gakki Seizo Kabushiki Kaisha. Display controller. 4,835,526, 5-30-89, Cl. 340-703.000.

Ishii, Takatoshi; and Takahashi, Syuko, to Tokyo Shibaura Denki Kabushiki Kaisha. Data processing system having interfacing circuits assigned to a common I/O port address by utilizing a specific bit line of a common bus. 4,849,931, 7-18-89, Cl. 364-900.000.

Ishii, Takatoshi, to ASCII Corporation. Image display apparatus. 4,857,899, 8-15-89, Cl. 340-701.000.

Ishii, Takatoshi, to Tokyo Shibaura Denki Kabushiki Kaisha. Display control apparatus for supplying display data to raster scanning type display device. 4,870,491, 9-26-89, Cl. 358-160.000.

Ishii, Takatoshi: *See*—

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,804,948, Cl. 340-703.000.

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,812,828, Cl. 340-706.000.

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,864,289, Cl. 340-725.000.

Ishii, Takayuki: *See*—

Hatanaka, Katsunori; Saika, Toshihiro; Ishii, Takayuki; and Yamada, Katsuhiko, 4,857,751, Cl. 250-578.000.

Ohkubo, Yukitoshi; Watanabe, Yasuyuki; Mochizuki, Chiori; Ishii, Takayuki; Yamanobe, Masato; and Ishiwata, Kazuya, 4,878,742, Cl. 350-347.00V.

Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.

Ishii, Tamaki; Yachigo, Shinichi; Okita, Taisuke; Sasaki, Manji; and Ebina, Chinehito, to Sumitomo Chemical Co., Ltd. Polyolefin resin composition. 4,829,112, 5-9-89, Cl. 524-108.000.

Ishii, Tamaki: *See*—

Fukui, Yoshiharu; Kuroda, Kazuhisa; Ishii, Tamaki; and Sasaki, Manji, 4,839,408, Cl. 524-100.000.

Nagasaki, Hideo; Yachigo, Shinichi; Ishii, Tamaki; Yoshimura, Masakatsu; Takahashi, Yuko'n; and Yamamoto, Hiroki, 4,812,494, Cl. 524-91.000.

Sasaki, Manji; Ebina, Chinehito; Okamura, Haruki; Yachigo, Shinichi; and Ishii, Tamaki, 4,845,244, Cl. 549-335.000.

Ishii, Tamaki; and Iwanabe, Makiko, to Hitachi, Ltd. Method of updating layout of circuit element. 4,835,113, 2-14-89, Cl. 364-491.000.

Ishii, Tatsuo: *See*—

Yamazaki, Shuichi; and Ishii, Tatsuo, 4,821,335, Cl. 382-53.000.

Ishii, Tatsuya, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,884,121, 11-28-89, Cl. 357-68.000.

Ishii, Tatsuya: *See*—

Toyama, Takashi; Narita, Haruyoshi; and Ishii, Tatsuya, 4,849,279, Cl. 428-224.000.

Ishii, Teruaki: *See*—

Yasuda, Hiroshi; Furuya, Sadao; Hoshihara, Naoto; Yamaguchi, Takashi; Takahashi, Katsuhiro; and Ishii, Teruaki, 4,805,277, Cl. 29-2.000.

Ishii, Tetsuo: *See*—

Yoshimura, Narihiko; Tokashiki, Michihide; and Ishii, Tetsuo, 4,871,476, Cl. 252-565.000.

Ishii, Toru; and Shimomura, Kodo. Apparatus for aligning and packing fruits or vegetables into packages. 4,800,704, 1-31-89, Cl. 53-145.000.

Ishii, Toshinori: *See*—

Kawai, Syuji; Anzai, Seio; Ishii, Toshinori; Shirano, Kenji; Shimamura, Kunihiko; Kanemitsu, Toshimasa; and Matsumura, Keiji, 4,810,542, Cl. 428-36.700.

Ishii, Toshitsugu: *See*—

Ikeda, Akira; Nakayama, Shigeki; Ezaki, Kenji; Ishii, Toshitsugu; and Itakura, Isao, 4,817,332, Cl. 47-17.000.

Ishii, Toshiyuki: *See*—

Aoyama, Mari; Ito, Michiyasu; Tsuji, Syoichi; Ishii, Toshiyuki; and Tanaka, Tomohide, 4,814,124, Cl. 264-41.000.

Ishii, Touru: *See*—

Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,821,600, Cl. 430-58.000.

Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,822,704, Cl. 430-58.000.

Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,889,924, Cl. 534-658.000.

Ishii, Tsuneo, to Pioneer Electronic Corporation. Disk recording and reproducing head system having track seeking for faulty addresses. 4,800,452, 1-24-89, Cl. 360-78.140.

Ishii, Tsuneo, to Pioneer Electronic Corporation. Initial state setting system for still picture recording/reproduction device. 4,839,748, 6-13-89, Cl. 360-10.100.

Ishii, Tsuneo: *See*—

Aoyagi, Yoshio; Ishii, Tsuneo; Kakiuchi, Shizuo; and Arifuku, Naoto, 4,805,050, Cl. 360-72.200.

Ishii, Tsutomu: *See*—

Oda, Kengo; Ishii, Tsutomu; Fukushi, Yukiharu; Enomoto, Yuji; Nishida, Makoto; and Hojo, Yoshikata, 4,889,551, Cl. 71-88.000.

Takahara, Takeshi; Ishii, Tsutomu; and Oikawa, Mitsuhiro, 4,806,822, Cl. 313-467.000.

Ishii, Tsuyoshi: *See*—

Yoshimura, Kouichi; and Ishii, Tsuyoshi, 4,823,422, Cl. 15-41.00R.

Ishii, Yasunori; and Yura, Mamoru, to NEC Corporation. Microcomputer development system. 4,847,805, 7-11-89, Cl. 364-900.000.

Ishii, Yoh; Abe, Masami; Harada, Yuhzoh; Takasugi, Atsumi; and Kato, Kazumi, to Furukawa Aluminum Co., Ltd. Method of manufacturing hollow billet and apparatus therefor. 4,875,519, 10-24-89, Cl. 164-465.000.

Ishii, Yoshiaki: *See*—

Shinoda, Yasuhiro; Takahashi, Yoshifumi; Takaso, Tsuneto; Hagiwara, Akira; and Ishii, Yoshiaki, 4,822,211, Cl. 405-154.000.

Ishii, Yoshihiko: *See*—

Aoyama, Motoo; Bessho, Yasunori; Uchikawa, Sadao; Takeda, Renzo; and Ishii, Yoshihiko, 4,876,062, Cl. 376-444.000.

Ishii, Yoshiki: *See*—

Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.

Ishii, Yoshimitsu: *See*—

Fuchikami, Takamasa; Urata, Hisao; Ishii, Yoshimitsu; and Obata, Yoshiko, 4,855,487, Cl. 560-227.000.

Ishii, Yoshinori: *See*—

Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,999, Cl. 313-414.000.

Ishii, Yoshitaro: *See*—

Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.

Suka, Hisao; Iwao, Akira; Kubota, Kazuhiro; Ishii, Yoshitaro; and Sunagawa, Masao, 4,809,394, Cl. 15-327.00R.

Ishii, Yoshiteru: *See*—

Shimura, Toshio; Yamada, Masahiko; Ishii, Yoshiteru; and Tamase, Fuminobu, 4,843,637, Cl. 455-200.000.

Ishii, Yoshiyuki; and Shimizu, Shigehisa, to Fuji Photo Film Co., Ltd. Method for controlling the position of a web moving along a given path and apparatus for use in such method. 4,860,964, 8-29-89, Cl. 242-57.100.

Ishii, Yutaka: *See*—

Yamamoto, Kunihiko; Ishii, Yutaka; and Take, Hiroshi, 4,801,933, Cl. 340-784.000.

Ishii, Yuwa: *See*—

Yamada, Tomoaki; and Ishii, Yuwa, 4,853,923, Cl. 369-120.000.

Ishijima, Minoru: *See*—

Mizukoshi, Yasumasa; and Ishijima, Minoru, 4,802,261, Cl. 24-20.0TT.

Ishijima, Toshiyuki, to NEC Corporation. Field effect transistor with short channel length and process of fabrication thereof. 4,876,581, 10-24-89, Cl. 357-23.300.

Ishijo, Osamu; Asama, Shoji; and Kuwabara, Tsutomu, to Toyo Tire & Rubber Co., Ltd. Rubber-covered cord units joining machine. 4,832,780, 5-23-89, Cl. 156-360.000.

Ishikawa, Chuji: *See*—

Naruse, Osamu; Ishikawa, Chuji; Kakeno, Sadao; and Iwasaki, Kyuhachiro, 4,800,398, Cl. 346-75.000.

Naruse, Osamu; Kakeno, Sadao; Ishikawa, Chuji; Sekimoto, Satoshi; and Horike, Masanori, 4,847,631, Cl. 346-75.000.

Ishikawa, Fujio; Sumiya, Hitoshi; Oyabu, Motonobu; and Fukuda, Hideyuki, to Aisin Seiki Kabushiki Kaisha. Clip-clinching device for a coil-spring unit of a mattress. 4,845,824, 7-11-89, Cl. 29-243.570.

Ishikawa, Fumiya: *See*—

Kaneko, Tsugio; Ishikawa, Fumiya; Nishiyama, Yoshinobu; and Shibata, Toshiharu, 4,871,464, Cl. 210-682.000.

Ishikawa, Futoshi: *See*—

Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Ishida, Nobumasa; and Ishikawa, Junji, 4,814,009, Cl. 106-1.230.

Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Isida, Nobumasa; and Isikawa, Junji, 4,834,796, Cl. 106-1.230.

Ishikawa Gasket Co., Ltd.: *See*—

Okano, Takashi, 4,861,047, Cl. 277-235.00B.

Uchida, Tatsuro; and Yamada, Yoshio, 4,869,515, Cl. 277-207.00R.

Udagawa, Tsunekazu; and Yamada, Yoshio, 4,803,965, Cl. 123-193.0CH.

Udagawa, Tsunekazu; and Yamada, Yoshio, 4,809,653, Cl. 123-193.0CH.

Udagawa, Tsunekazu, 4,826,708, Cl. 427-210.000.

Udagawa, Tsunekazu, 4,828,275, Cl. 277-207.00R.

Udagawa, Tsunekazu, and Inamura, Susumu, 4,834,399, Cl. 277-234.000.

Udagawa, Tsunekazu, 4,861,046, Cl. 277-235.00B.

Udagawa, Tsunekazu, 4,867,462, Cl. 277-235.00B.

Udagawa, Tsunekazu; Hiramatsu, Yasuji; Nakasone, Hidetaka; and Yamada, Yoshio, 4,869,516, Cl. 277-234.000.

Ishikawa Gaskit Co., Ltd.: *See*—

Udagawa, Tsunekazu, 4,807,892, Cl. 277-235.00B.

Ishikawa, Haruo: *See*—

Nakakura, Hirofumi; Shibata, Morio; Ishikawa, Haruo; Nakano, Akihisa; Hiroto, Hiromi; and Oyabu, Hajime, 4,885,176, Cl. 426-19.000.

Ishikawa, Haruyuki: *See*—

Kishi, Hajimu; Sakakibara, Shinsuke; and Ishikawa, Haruyuki, 4,831,235, Cl. 219-125.120.

Mizuno, Tohru; and Ishikawa, Haruyuki, 4,815,011, Cl. 364-513.000.

Ishikawa, Hideaki; and Hasegawa, Taiji, to Hitachi, Ltd. Engine control apparatus. 4,836,169, 6-6-89, Cl. 123-480.000.

Ishikawa, Hideaki; Abe, Osamu; and Uehara, Aiichi, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. In-engine deposit

detection apparatus for engine control system. 4,869,224, 9-26-89, Cl. 123-489.000.
Ishikawa, Hidenobu: *See—*
Maruyama, Osamu; Ishikawa, Hidenobu; and Takahashi, Nobuo, 4,855,334, Cl. 522-96.000.
Ishikawa, Hiroichi; and Nagasawa, Yasuo, to Toko, Inc. Charging circuit. 4,871,958, 10-3-89, Cl. 320-32.000.
Ishikawa, Hirokuni: *See—*
Matsubara, Chiaki; Ishikawa, Hirokuni; and Ojima, Masao, 4,890,186, Cl. 361-103.000.
Ishikawa, Hiromi, to Fuji Photo Film Co., Ltd. Optical scanning device. 4,796,965, 1-10-89, Cl. 350-6.800.
Ishikawa, Hiromi: *See—*
Yamagishi, Kenichi; Horikawa, Kazuo; and Ishikawa, Hiromi, 4,802,177, Cl. 372-36.000.
Ishikawa, Hiromichi, to Pilot Man-Nen-Hitsu Kabushiki Kaisha. Ink ribbon cassette. 4,838,715, 6-13-89, Cl. 400-196.100.
Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, to Agency of Industrial Science and Technology; and Kurimoto, Ltd. Heat exchanging unit with a hydrogen adsorption alloy. 4,819,717, 4-11-89, Cl. 165-104.120.
Ishikawa Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, to Agency of Industrial Science & Technology; and Kurimoto Ltd. Heat exchanging unit with a hydrogen adsorption alloy. 4,819,718, 4-11-89, Cl. 165-104.120.
Ishikawa, Hiroshi; and Shingai, Hidetaka, to Nippondenso Co., Ltd. Variable capacity compressor. 4,822,252, 4-18-89, Cl. 417-222.000.
Ishikawa, Hiroshi; Takano, Hiroshi; Ohtomo, Ryosuke; Hoshino, Yoshinori; and Ohyama, Taro, to Nippon Kokan Kabushiki Kaisha; and Toyo Ink Mfg. Co., Ltd. Precoating metal sheet for two-piece can. 4,861,647, 8-29-89, Cl. 428-216.000.
Ishikawa, Hiroshi: *See—*
Fujii, Setsuro; Ishikawa, Hiroshi: Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.
Ishikawa, Hiroyuki: *See—*
Hirao, Shozo; Usui, Hiroaki; Ohta, Yoshihiro; Nakai, Takashi; Ishikawa, Hiroyuki; and Konishi, Satoru, 4,857,365, Cl. 427-297.000.
Ishikawa, Hisao: *See—*
Hagiwara, Kenji; Ishikawa, Hisao; Hosaka, Hideo; and Inaba, Hideo. 4,812,161, Cl. 71-90.000.
Ishikawa, Hisashi; and Yoshimura, Katsuji, to Canon Kabushiki Kaisha. Frequency demodulator operable with low frequency modulation carriers. 4,843,334, 6-27-89, Cl. 329-122.000.
Ishikawa, Hisashi: *See—*
Nagashima, Yoshitake; Ishikawa, Hisashi; Kozuki, Susumu; Yoshimura, Katsuji; Takahashi, Koji; and Nagasawa, Kenichi, 4,812,920, Cl. 358-310.000.
Yoshimura, Katsuji; Nakayama, Tadayoshi; Ishikawa, Hisashi; and Sato, Chikara, 4,882,615, Cl. 358-31.000.
Ishikawa, Hitoshi, to Aisin Seiki Kabushiki Kaisha. Reduced height sewing machine with a arcuately swinging needle bar arm. 4,875,422, 10-24-89, Cl. 112-258.000.
Ishikawa, Isao; and Tomosada, Tsuyoshi, to Sanyo Chemical Industries, Ltd. Polymer/polyol composition, processes for making the same and polyurethane therefrom. 4,820,743, 4-11-89, Cl. 521-137.000.
Ishikawa, Junji: *See—*
Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Ishida. Nobumasa; and Ishikawa, Junji, 4,814,009, Cl. 106-1.230.
Narita, Ryoichi; Sonobe, Toshio; Ito, Hitoshi; Ishikawa, Junji; Takenaka, Osamu; and Sugiura, Junji, 4,812,897, Cl. 357-72.000.
Ishikawa, Katsuhisa; Yamamoto, Ryoji; and Tsukahara, Takayuki, to NEC Corporation; and Hitachi Metals Precision Ltd. Low thermal expansion cast alloy. 4,832,908, 5-23-89, Cl. 420-95.000.
Ishikawa, Katsukiyo, to Nippon Paint Co., Ltd. Electrostatic recording dry toner. 4,816,365, 3-28-89, Cl. 430-111.000.
Ishikawa, Katsukiyo: *See—*
Matsumura, Akira; Nozaki, Yasuo; and Ishikawa, Katsukiyo, 4,853,092, Cl. 204-18.100.
Oishi, Masao; Saito, Takao; Nagata, Kouichi; Ishikawa, Katsukiyo; and Hisajima, Eio, 4,816,364, Cl. 430-108.000.
Oishi, Masao; Saito, Takao; Ishikawa, Katsukiyo; Abe, Masanori; and Tamaura, Yutaka, 4,837,046, Cl. 427-38.000.
Shirai, Masamitsu; Tsunooka, Masahiro; Tanaka, Makoto; Nishijima, Kanji; and Ishikawa, Katsukiyo, 4,869,995, Cl. 430-270.000.
Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kuwatsuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, to Mitsui Toatsu Chemicals, Incorporated. Dihalogen-substituted thiocyanopyrimidine derivatives, and agricultural and horticultural fungicidal compositions containing same. 4,814,337, 3-21-89, Cl. 514-269.000.
Ishikawa, Kazuo; and Nishi, Yoshinori, to Aisin Seiki Kabushiki Kaisha. Lock-up clutch control method in automatic transmissions for automotive vehicles. 4,811,827, 3-14-89, Cl. 192-0.076.
Ishikawa, Kazuo: *See—*
Kitagawa, Jun; Hijikata, Toshihiko; and Ishikawa, Kazuo, 4,857,089, Cl. 55-523.000.
Shinbori, Kenichi; and Ishikawa, Kazuo, 4,803,555, Cl. 358-213.190.
Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.
Yamamoto, Keiichi; and Ishikawa, Kazuo, 4,825,366, Cl. 364-424.100.
Yamamoto, Keiichi; and Ishikawa, Kazuo, 4,835,694, Cl. 364-424.100.
Yoshikawa, Norishige; and Ishikawa, Kazuo, 4,809,565, Cl. 74-869.000.
Ishikawa, Kazushige; Mochizuki, Kenji; Maehara, Toshihiro; and Hagiri, Masaharu, to Pioneer Electronic Corporation. Method and apparatus for reproducing audio and video data from a disk. 4,873,586, 10-10-89, Cl. 358-342.000.
Ishikawa, Keiichi: *See—*
Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.
Ishikawa, Ken: *See—*
Takeda, Kenji; Ishikawa, Ken; Kanetake, Tatsuo; Kojima, Takashi; and Itsubo, Akira, 4,863,763, Cl. 427-355.000.
Ishikawa, Kikue: *See—*
Yonemoto, Kazuya; Kagawa, Yoshiaki; Ishikawa, Kikue; Suzuki, Tomoyuki; and Hamasaki, Masaharu, 4,875,100, Cl. 358-213.190.
Ishikawa, Kiyoe; Kokubo, Kakuro; Kurokawa, Hitoshi; Hosogai, Daijiro; and Takenaka, Hirokazu, to Tao Nenryo Kogyo Kabushiki Kaisha. Ultrasonic atomizing apparatus. 4,799,622, 1-24-89, Cl. 239-102.200.
Ishikawa, Kiyomitsu: *See—*
Yamaguchi, Masami; Ishikawa, Shunichi; Tamura, Hideo; Tanaka, Hirokazu; Nakaya, Tomio; and Ishikawa, Kiyomitsu, 4,853,524, Cl. 235-468.000.
Ishikawa, Kiyoshi: *See—*
Shino, Satoshi; Sasahara, Akira; Ishikawa, Kiyoshi; Shibasaki, Shigeru; and Takashina, Shinji, 4,826,147, Cl. 271-145.000.
Ishikawa, Kouzou: *See—*
Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.
Ishikawa, Makoto: *See—*
Okabe, Yoshio; Kobayashi, Yukimori; Ishikawa, Makoto; Kamiya, Tamotsu; and Atsumi, Tomiaki, 4,798,563, Cl. 474-110.000.
Ishikawa, Mamoru: *See—*
Ohno, Kiyotaka; Nagase, Hiroshi; Ishikawa, Mamoru; Matsumoto, Kazuhisa; and Nishio, Shintaro, 4,822,804, Cl. 514-337.000.
Ishikawa, Masaaki, to Kabushiki Kaisha Toshiba. Electrophotographic recording apparatus for a facsimile device. 4,851,926, 7-25-89, Cl. 358-300.000.
Ishikawa, Masahide; Sakurai, Kazuo; Shimizu, Tomio; and Tanaka, Junzo, to Fuji Electric Company, Ltd. Multiphase solid-state contactor. 4,801,828, 1-31-89, Cl. 307-646.000.
Ishikawa, Masahiro: *See—*
Fujiki, Norio; Ishikawa, Masahiro; Kawagishi, Masao; and Hayashi, Takatoshi, 4,866,376, Cl. 324-160.000.
Ishikawa, Masakazu: *See—*
Inui, Masaki; and Ishikawa, Masakazu, 4,869,122, Cl. 74-331.000.
Ishikawa, Masakuni: *See—*
Yasuma, Jun-ichi; Kobayashi, Tadashi; and Ishikawa, Masakuni, 4,839,509, Cl. 235-482.000.
Ishikawa, Masanobu: *See—*
Nishikawa, Masumi; Ishikawa, Masanobu; and Watanabe, Hiroshi, 4,819,498, Cl. 74-493.000.
Nishikawa, Masumi; and Ishikawa, Masanobu, 4,876,910, Cl. 74-493.000.
Ishikawa, Masanori: *See—*
Haraguchi, Shosuke; Fukahori, Hidehiko, and Ishikawa, Masanori, 4,827,296, Cl. 354-187.000.
Tokura, Go; Ishikawa, Masanori; and Yamada, Akira, 4,853,734, Cl. 354-485.000.
Ishikawa, Masao; Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kuse, Satoru, to Konishiroku Photo Industry Co., Ltd. Method for processing silver halide color photographic materials. 4,797,351, 1-10-89, Cl. 430-387.000.
Ishikawa, Masao: *See—*
Kobayashi, Kazuhiro; Koboshi, Shigeharu; Kuse, Satoru; and Ishikawa, Masao, 4,837,139, Cl. 430-542.000.
Ishikawa, Masaru, to Jidosha Denki Kogyo Kabushiki Kaisha. Wiper linkage of cross arm type. 4,843,898, 7-4-89, Cl. 74-51.000.
Ishikawa, Masaru: *See—*
Izawa, Minoru; Hamamoto, Tadanao; Ishikawa, Masaru; Dohke, Harumi; and Nakano, Tasuku, 4,890,037, Cl. 315-77.000.
Matoba, Hideaki; Monri, Shunji; and Ishikawa, Masaru, 4,831,548, Cl. 364-513.000.
Ishikawa, Masataka, to Diesel Kiki Co., Ltd. Apparatus and method for converting rotation angle width into time width. 4,858,158, 8-15-89, Cl. 364-571.010.
Ishikawa, Masataka; and Takagi, Nobukazu, to Diesel Kiki Co., Ltd. Distribution-type fuel injection system controlled by electromagnetic valve. 4,870,939, 10-3-89, Cl. 123-506.000.
Ishikawa, Masataka: *See—*
Oshizawa, Hidekazu; and Ishikawa, Masataka, 4,800,861, Cl. 123-506.000.
Ishikawa, Masatoshi, to Hitachi, Ltd. Cartridge magazine. 4,850,485, 7-25-89, Cl. 206-387.000.
Ishikawa, Masayo: *See—*
Ito, Tsukasa; Kawakatsu, Satoshi; Onishi, Akira; and Ishikawa, Masayo, 4,868,106, Cl. 435-7.000.

Ishikawa, Masayuki: *See—*
Ohba, Yasuo; Watanabe, Miyoko; Sugawara, Hideto; Ishikawa, Masayuki; Watanabe, Yukio; and Yamamoto, Motoyuki, 4,809,287, Cl. 372-45.000.
Ohba, Yasuo; Ishikawa, Masayuki; Yamamoto, Motoyuki; Watanabe, Yukio; and Sugawara, Hideto, 4,835,117, Cl. 437-129.000.
Ishikawa, Masazumi; and Kawashima, Mitsuji, to Noritsu Kenkyu Center Co., Ltd. Film feed unit for use in automatic film developing machine. 4,796,041, 1-3-89, Cl. 354-320.000.
Ishikawa, Masazumi: *See—*
Miyagi, Harutoshi; and Ishikawa, Masazumi, 4,832,467, Cl. 350-357.000.
Ishikawa, Michio: *See—*
Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; and Tani, Noriaki, 4,804,590, Cl. 428-408.000.
Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; Tani, Noriaki; and Higuchi, Yasushi, 4,832,810, Cl. 204-192.150.
Ishikawa, Minoru, to Fuji Photo Film Co., Ltd. Heat developing device. 4,797,710, 1-10-89, Cl. 355-27.000.
Ishikawa, Minoru, to Fuji Photo Film Co., Ltd. Method for forming an image comprising adherence of the image-receiving and image-forming material. 4,877,710, 10-31-89, Cl. 430-138.000.
Ishikawa, Minoru: *See—*
Kawada, Ken; and Ishikawa, Minoru, 4,809,599, Cl. 100-176.000.
Nagumo, Akihiko; Ishikawa, Minoru; and Kawada, Ken, 4,799,085, Cl. 355-27.000.
Nagumo, Akihiko; and Ishikawa, Minoru, 4,809,598, Cl. 100-156.000.
Nagumo, Akihiko; and Ishikawa, Minoru, 4,825,041, Cl. 219-244.000.
Ishikawa, Mitsuru: *See—*
Matsuura, Masaaki; Ishikawa, Mitsuru; Nakamori, Masaharu; and Kuroki, Masahiro, 4,858,577, Cl. 123-190.00A.
Matsuura, Masaaki; Nakamori, Masaharu; Kuroki, Masahiro; and Ishikawa, Mitsuru, 4,887,567, Cl. 123-190.00D.
Ishikawa, Muneharu; Akiyama, Kouichi; Ito, Eiichi; Kawamura, Masunori; and Fujita, Akihiro, to Kowa Company Ltd. Method and apparatus for measuring particles in a fluid. 4,830,494, 5-16-89, Cl. 356-336.000.
Ishikawa, Noboru: *See—*
Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noboru; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.
Ishikawa, Nobuo: *See—*
Miyazawa, Osamu; Ishikawa, Nobuo; Miyasaka, Mamoru; and Hirota, Kenichi, 4,864,442, Cl. 360-99.120.
Sakamoto, Kenji; Ishikawa, Nobuo; and Hayakawa, Motomu, 4,873,677, Cl. 368-204.000.
Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujino, Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamura, Kunio, to Minolta Camera Kabushiki Kaisha. Camera system. 4,855,779, 8-8-89, Cl. 354-412.000.
Ishikawa, Norio, to Mitsubishi Denki Kabushiki Kaisha. Printed circuit board. 4,874,907, 10-17-89, Cl. 174-68.500.
Ishikawa, Norio; and Ishimura, Toshihiko, to Minolta Camera Kabushiki Kaisha. Data input/output device for a camera. 4,887,105, 12-12-89, Cl. 354-21.000.
Ishikawa, Norio: *See—*
Akada, Yasuaki; Ishikawa, Norio; Egawa, Takeshi; and Taniguchi, Nobuyuki, 4,827,299, Cl. 354-402.000.
Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,811,043, Cl. 354-412.000.
Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,855,778, Cl. 354-412.000.
Ishikawa, Noriyoshi: *See—*
Nakajima, Kazuhiro; Inui, Toshiharu; Ishikawa, Noriyoshi; and Miyagawa, Masashi, 4,847,110, Cl. 427-25.000.
Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, to Oki Electric Industry Co., Ltd. Circuit for converting a video signal produced by a line image sensor into a binary signal on the basis of reference levels determined for sections of the line image sensor using respective counters. 4,853,793, 8-1-89, Cl. 358-464.000.
Ishikawa, Osamu; and Sumiya, Kiyoshi, to Oki Electric Industry Co., Ltd. Image reading device. 4,876,605, 10-24-89, Cl. 358-400.000.
Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, to Oki Electric Industry Co., Ltd. Circuit employing a plurality of counters and an interpolator for converting a video signal into a binary signal. 4,884,148, 11-28-89, Cl. 358-464.000.
Ishikawa, Osamu: *See—*
Teraoka, Masao; Ishikawa, Osamu; and Yuhashi, Yukio, 4,838,119, Cl. 74-711.000.
Ishikawa, Reiji; and Kimura, Tomohiro, to Sony Corporation. Method for producing a light transmitting filter. 4,803,337, 2-7-89, Cl. 219-121.850.
Ishikawa, Reimei: *See—*
Yamahira, Yoshiya; Okuzawa, Yoshiko; Fujioka, Keiji; Sato, Shigeji; and Ishikawa, Reimei, 4,880,796, Cl. 514-206.000.
Ishikawa, Ryosuke: *See—*
Tamura, Kinichi; Kawada, Susumu; Sekine, Yoshitada; Abe, Kazuyoshi; Ishikawa, Ryosuke; and Yokota, Fumiki, 4,811,935, Cl. 269-34.000.
Ishikawa, Sachiko; and Arimoto, Akira, to Hitachi, Ltd. Optical pickup using a waveguide. 4,861,128, 8-29-89, Cl. 350-96.130.
Ishikawa, Sadanobu. Heat resistant materials containing ceramic components. 4,803,182, 2-7-89, Cl. 501-94.000.
Ishikawa, Sadanori: *See—*
Mochizuki, Shogo; Isogai, Hisao; Ishikawa, Sadanori; and Mochizuki, Mitsuyoshi, 4,817,918, Cl. 266-87.000.
Ishikawa, Satoru: *See—*
Hisatake, Michio; and Ishikawa, Satoru, 4,859,917, Cl. 388-815.000.
Ishimura, Fumihiro; Ishikawa, Satoru; and Akiyama, Seiji, 4,857,469, Cl. 435-280.000.
Ishikawa, Seiichi; Matsumoto, Masaharu; Satoh, Katsuaki; and Kawamura, Akihisa, to Matsushita Electric Industrial Co., Ltd. Digital equalizer apparatus enabling separate phase and amplitude characteristic modification. 4,888,808, 12-19-89, Cl. 351-103.000.
Ishikawa, Shinji: *See—*
Kobayashi, Kazuo; Fukazawa, Masashi; and Ishikawa, Shinji, 4,859,299, Cl. 204-157.920.
Ishikawa, Shinzo: *See—*
Kotani, Motoharu; Ishikawa, Shinzo; and Sato, Keishi, 4,808,466, Cl. 428-254.000.
Ishikawa, Shizuo; Katakura, Kageyoshi; and Ogawa, Toshio, to Hitachi Medical Corp. Ultrasonic doppler blood flow meter. 4,809,703, 3-7-89, Cl. 128-661.080.
Ishikawa, Shizuo: *See—*
Ikeda, Hiroshi; Umemura, Shinichiro; Ishikawa, Shizuo; Katakura, Kageyoshi; Ichikawa, Noriyoshi; and Mitake, Tsuyoshi, 4,803,993, Cl. 128-660.010.
Ogawa, Toshio; Nishiyama, Hisashi; Katakura, Kageyoshi; and Ishikawa, Shizuo, 4,884,448, Cl. 73-597.000.
Ishikawa, Shoichi, to Harmonic Drive Systems Inc. Tooth profile of spline of strain wave gearing. 4,823,638, 4-25-89, Cl. 74-640.000.
Ishikawa, Shozo: *See—*
Umehara, Shoji; Matsumoto, Masakazu; Takiguchi, Takao; and Ishikawa, Shozo, 4,830,944, Cl. 430-59.000.
Ishikawa, Shun-ichi; Imagawa, Tadao; Maeda, Minoru; and Shinozaki, Fumiaki. Recording materials containing photopolymerizable composition and component capable of causing a color reaction in microcapsules. 4,837,106, 6-6-89, Cl. 430-138.000.
Ishikawa, Shunichi, to Fuji Photo Film Co., Ltd. Process for preparation of light-sensitive microcapsules containing silver halide and polymerizable compound. 4,842,978, 6-27-89, Cl. 430-138.000.
Ishikawa, Shunichi, to Fuji Photo Film Co., Ltd. Light-sensitive dual-walled microcapsule containing polymerizable compound and silver halide, and light-sensitive material employing the same. 4,880,721, 11-14-89, Cl. 430-138.000.
Ishikawa, Shunichi: *See—*
Kakimi, Fujio; and Ishikawa, Shunichi, 4,888,265, Cl. 430-138.000.
Sato, Kozo; Ishikawa, Shunichi; and Kawata, Ken, 4,835,272, Cl. 544-158.000.
Yamaguchi, Masami; Ishikawa, Shunichi; Tamura, Hideo; Tanaka, Hirokazu; Nakaya, Tomio; and Ishikawa, Kiyomitsu, 4,853,524, Cl. 235-468.000.
Ishikawa, Sueyoshi: *See—*
Tohzuka, Takashi; Ishikawa, Sueyoshi; Kubo, Katsuyoshi; Honda, Yoshitaka; Ohmure, Yukio; and Kataoka, Norio, 4,836,944, Cl. 252-54.000.
Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita, Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, to Canon Kabushiki Kaisha. Image reading apparatus. 4,825,295, 4-25-89, Cl. 358-254.000.
Ishikawa, Tadashi; Watanabe, Yoshitaka; and Mizoguchi, Yoshiyuki, to Canon Kabushiki Kaisha. Picture reading apparatus. 4,831,455, 5-16-89, Cl. 358-229.000.
Ishikawa, Tadashi; and Kikuchi, Yutaka, to Canon Kabushiki Kaisha. Paper feed apparatus. 4,838,534, 6-13-89, Cl. 271-10.000.
Ishikawa, Tadashi, to Fuji Jukogyo Kabushiki Kaisha. Air-cooled engine. 4,846,115, 7-11-89, Cl. 123-41.700.
Ishikawa, Tadashi, to Canon Kabushiki Kaisha. Image forming apparatus having ambient condition detecting means. 4,888,618, 12-19-89, Cl. 355-208.000.
Ishikawa, Tadayoshi: *See—*
Ishimura, Hidekazu; Otsuka, Masahiko; Takahashi, Yasushi; and Ishikawa, Tadayoshi, 4,833,226, Cl. 528-45.000.
Ishikawa, Takatoshi; Fujimoto, Hiroshi; Ohki, Nobutaka; and Yagihara, Morio, to Fuji Photo Film Co., Ltd. Method of processing silver halide color photographic material and photographic color developing composition. 4,798,783, 1-17-89, Cl. 430-372.000.
Ishikawa, Takatoshi; and Yagihara, Morio, to Fuji Photo Film Co., Ltd. Method of processing silver halide color photographic material using a developer comprising a hydroxylamine and an antifoggant. 4,801,516, 1-31-89, Cl. 430-380.000.
Ishikawa, Takatoshi; Furusawa, Genichi; and Hirose, Takeshi, to Fuji Photo Film Co., Ltd. Method of forming color images. 4,830,948, 5-16-89, Cl. 430-372.000.
Ishikawa, Takatoshi; Koshimizu, Toshio; Fujita, Yoshihiro; and Fujimoto, Hiroshi, to Fuji Photo Film Co., Ltd. Method for processing a silver halide color photographic material using a color developer containing a chelating agent in the absence of benzyl alcohol. 4,835,092, 5-30-89, Cl. 430-380.000.
Ishikawa, Takatoshi; and Sakai, Nobuo, to Fuji Photo Film Co., Ltd. Process for processing silver halide color photographic materials using a multistage counterflow stabilization system. 4,845,016, 7-4-89, Cl. 430-372.000.
Ishikawa, Takatoshi; and Nakajima, Junya, to Fuji Photo Film Co., Ltd. Method for processing silver halide color photographic materials using developer substantially free of bromide and benzyl alcohol. 4,851,326, 7-25-89, Cl. 430-380.000.
Ishikawa, Takatoshi; Ohki, Nobutaka; and Yagihara, Morio, to Fuji Photo Film Co., Ltd. Method for processing silver halide color

- photographic materials and color photographic developing composition. 4,863,836, 9-5-89, Cl. 430-372.000.
- Ishikawa, Takatoshi; and Yagihara, Morio, to Fuji Photo Film Co., Ltd. Method of processing silver halide color photosensitive material using developer comprising dialkyl hydroxylamine and no benzyl alcohol. 4,876,174, 10-24-89, Cl. 430-380.000.
- Ishikawa, Takatoshi; and Nakajima, Junya, to Fuji Photo Film Co., Ltd. Processing method for silver halide color photosensitive materials utilizing the overflow from the color developer. 4,880,728, 11-14-89, Cl. 430-380.000.
- Ishikawa, Takatoshi: *See—*
  - Fujimoto, Hiroshi; and Ishikawa, Takatoshi, 4,837,132, Cl. 430-380.000.
  - Fujita, Yoshihiro; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Kishimoto, Shinzo, 4,853,318, Cl. 430-380.000.
  - Morimoto, Kiyoshi; and Ishikawa, Takatoshi, 4,800,153, Cl. 430-380.000.
  - Ohki, Nobutaka; Seto, Nobuo; Naruse, Hideaki; Yagihara, Morio; Andoh, Kazuto; Ishikawa, Takatoshi; and Fujimoto, Hiroshi, 4,801,521, Cl. 430-380.000.
  - Yagihara, Morio; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Andoh, Kazuto, 4,842,993, Cl. 430-380.000.
- Ishikawa, Takayoshi; and Yoshida, Yasuhiko, to Matsushita Electric Industrial Co., Ltd. Trap circuit with two variable inductors. 4,795,990, 1-3-89, Cl. 333-176.000.
- Ishikawa, Takayuki: *See—*
  - Wada, Mitsuo; Kanoe, Toshio; and Ishikawa, Takayuki, 4,888,127, Cl. 252-299.500.
  - Wada, Mitsuo; Kanoe, Toshio; and Ishikawa, Takayuki, 4,889,886, Cl. 524-449.000.
- Ishikawa, Takeshi. Letter scale with coin counter-balance. 4,840,241, 6-20-89, Cl. 177-172.000.
- Ishikawa, Takuji: *See—*
  - Tokuyama, Katsumi; Arai, Kanji; Ishikawa, Takuji; and Akiyama, Haruhiko, 4,845,740, Cl. 379-91.000.
- Ishikawa, Takuma; and Ishiguro, Kuniaki, to Minolta Camera Kabushiki Kaisha. Copying apparatus having an automatic document feeder and a sorter with a sheet binding function. 4,811,048, 3-7-89, Cl. 355-14.0SH.
- Ishikawa, Takuma; Maruyama, Tadashi; Johdai, Akiyoshi; Ishiguro, Kuniaki; and Matsui, Toshio, to Minolta Camera Kabushiki Kaisha. Sorting apparatus having sorter connectable to another sorter. 4,872,662, 10-10-89, Cl. 271-290.000.
- Ishikawa, Takuma; and Ishiguro, Kuniaki, to Minolta Camera Kabushiki Kaisha. Sorter-finisher system. 4,886,259, 12-12-89, Cl. 270-53.000.
- Ishikawa, Takuma: *See—*
  - Ishiguro, Kuniaki; and Ishikawa, Takuma, 4,801,133, Cl. 270-53.000.
  - Ishiguro, Kuniaki; and Ishikawa, Takuma, 4,864,350, Cl. 355-311.000.
- Ishikawa, Tatsuo: *See—*
  - Hatakeyama, Yoshiharu; and Ishikawa, Tatsuo, 4,820,149, Cl. 425-555.000.
- Ishikawa, Tazuru: *See—*
  - Sato, Yoshiaki; and Ishikawa, Tazuru, 4,862,066, Cl. 324-65.00P.
- Ishikawa Tekko Kabushiki Kaisha: *See—*
  - Aisa, Junzo; and Kosugi, Eizi, 4,810,148, Cl. 411-383.000.
  - Aisa, Junzo; and Kosugi, Eizi, 4,857,188, Cl. 210-222.000.
- Ishikawa, Tetsushi; Okabe, Masato; and Kato, Hiroyasu, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo; and Kabushiki Kaisha Itoki. Apparatus for raising small animals. 4,840,142, 6-20-89, Cl. 119-17.000.
- Ishikawa, Tohru: *See—*
  - Yoshida, Kazufumi; Ishikawa, Tohru; and Nogami, Mikio, 4,843,546, Cl. 364-403.000.
- Ishikawa, Tomihisa: *See—*
  - Wada, Toshimichi; Kuroda, Hiroshi; Ishikawa, Tomihisa; and Mori, Yoshimichi, 4,820,492, Cl. 422-111.000.
- Ishikawa, Tomoaki: *See—*
  - Nishimura, Sadanori; Makita, Hiroshige; and Ishikawa, Tomoaki, 4,856,264, Cl. 56-10.900.
- Ishikawa, Tomohiro; and Kondo, Yozo, to Toyo Soda Manufacturing Co., Ltd. Aromatic sulfide amide polymer and a process for the production thereof. 4,818,809, 4-4-89, Cl. 528-364.000.
- Ishikawa, Tomonori; Sasa, Shigehiko; and Hiyamizu, Satoshi, to Fujitsu Limited. High electron mobility device with intrinsic AlAs/GaAs superlattice separator region. 4,833,508, 5-23-89, Cl. 357-4.000.
- Ishikawa, Tomonori; Fukaya, Takashi; Tsunoda, Toshiyuki; and Fujiwara, Hiroshi, to Olympus Optical Co., Ltd. Surgical microscope. 4,871,245, 10-3-89, Cl. 350-502.000.
- Ishikawa, Tooru; and Kosuge, Tokuo, to Hitachi, Ltd. Electromagnetic fuel injector. 4,811,905, 3-14-89, Cl. 239-585.000.
- Ishikawa, Toshihiko: *See—*
  - Kito, Yoshikazu; Ishikawa, Toshihiko; and Tatematsu, Susumu, 4,817,827, Cl. 222-238.000.
- Ishikawa, Toshikatsu; Tokutomi, Katsuya; and Imai, Yoshikazu, to Director General Agency of Industrial Science and Technology. Process for producing preformed wire from silicon carbide fiber-reinforced aluminum. 4,877,643, 10-31-89, Cl. 427-57.000.
- Ishikawa, Toshimitsu; and Tamura, Katsuhide, to Sankyo Co., Ltd. Apparatus for manufacturing gelatin capsule and method therefor. 4,817,367, 4-4-89, Cl. 53-454.000.
- Ishikawa, Toshio; and Yamagiwa, Tokio, to Hitachi, Ltd. Insulating spacers for use in gas-insulated electric apparatus. 4,818,825, 4-4-89, Cl. 174-212.000.
- Ishikawa, Toshio: *See—*
  - Yamagiwa, Tokio; and Ishikawa, Toshio, 4,829,256, Cl. 324-557.000.
- Ishikawa, Toshiuyki: *See—*
  - Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiuyki; and Nagata, Koji, 4,889,958, Cl. 174-35.0MS.
- Ishikawa, Toshiyuki: *See—*
  - Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,810,961, Cl. 324-95.000.
  - Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,814,694, Cl. 324-95.000.
- Ishikawa, Toyoji, to JEOL Ltd. Scanning electron microscope. 4,818,874, 4-4-89, Cl. 250-310.000.
- Ishikawa, Toyoji; Kaneko, Toshio; Endo, Shuichi; Ogata, Yoshihiro; and Takaya, Toshihiko, to Ricoh Company, Ltd. Image developing device. 4,873,940, 10-17-89, Cl. 118-651.000.
- Ishikawa, Tsutomu; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, to Tokyo Ohka Kogyo Co., Ltd. Liquid composition for forming silica-based coating film. 4,835,017, 5-30-89, Cl. 427-379.000.
- Ishikawa, Tsutomu; Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishiguro, Kazuhisa; and Arai, Masashi, to Sanyo Electric Co, Ltd. FMX stereophonic broadcast receiver. 4,864,637, 9-5-89, Cl. 455-205.000.
- Ishikawa, Tsutomu: *See—*
  - Johna, Nobuo; Ishikawa, Tsutomu; Kawabe, Takeshi; and Nakamura, Masayoshi, 4,825,444, Cl. 372-41.000.
  - Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,809,328, Cl. 381-13.000.
  - Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,852.167, Cl. 381-13.000.
- Ishikawa, Tuyoshi: *See—*
  - Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi; Toyoshi, Takanori; and Uede, Toshio, 4,877,558, Cl. 252-626.000.
- Ishikawa, Wataru: *See—*
  - Iwagaki, Masaru; Masukawa, Toyoaki; Komamura, Tawara; Ishikawa, Wataru; and Hoshino, Kimie, 4,840,870, Cl. 430-201.000.
  - Komamura, Tawara; Ikeuchi, Satoru; Iwagaki, Masaru; Sasaki, Takashi; and Ishikawa, Wataru, 4,871,647, Cl. 430-201.000.
  - Yagino, Masamori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, 4,841,120, Cl. 219-216.000.
- Ishikawa, Yasuhiro: *See—*
  - Kaido, Hiroyuki; and Ishikawa, Yasuhiro, 4,824,897, Cl. 524-385.000.
- Ishikawa, Yasuki: *See—*
  - Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, 4,835,970, Cl. 60-545.000.
  - Takahashi, Hiroshi; and Ishikawa, Yasuki, 4,842,342, Cl. 303-102.000.
- Ishikawa, Yasuyuki, to Canon Kabushiki Kaisha. Ophthalmic apparatus. 4,812,033, 3-14-89, Cl. 351-208.000.
- Ishikawa, Yo-ichi: *See—*
  - Arai, Shigeyoshi; Kamioka, Masatsugu; Ishikawa, Yo-ichi; Isomura, Shohei; and Sugita, Kyoko, 4,824,537, Cl. 204-157.220.
- Ishikawa, Yoshihiko: *See—*
  - Kushida, Osami; Ninomiya, Hisamitsu; Nezuka, Masakazu; and Ishikawa, Yoshihiko, 4,876,523, Cl. 337-299.000.
- Ishikawa, Yoshikazu; and Yamaguchi, Kouji, to Honda Giken Kogyo Kabushiki Kaisha. Throttle valve control system for an internal combustion engine. 4,799,467, 1-24-89, Cl. 123-399.000.
- Ishikawa, Yoshikazu, to Nissan Motor Company, Limited. Trunk piston for use in an internal combustion engine. 4,856,417, 8-15-89, Cl. 92-233.000.
- Ishikawa, Yoshikazu; Yamaguchi, Kouji; and Sasajima, Kouji, to Honda Giken Kogyo Kabushiki Kaisha. Throttle valve control apparatus for internal combustion engine. 4,881,428, 11-21-89, Cl. 74-859.000.
- Ishikawa, Yoshikazu: *See—*
  - Yamaguchi, Kouji; Ishikawa, Yoshikazu; Kameda, Toshihiro; Hattori, Shogo; and Miyake, Junichi, 4,860,708, Cl. 123-399.000.
- Ishikawa, Yoshimi: *See—*
  - Iwai, Toshiyuki; and Ishikawa, Yoshimi, 4,794,998, Cl. 180-219.000.
  - Mayama, Osamu; and Ishikawa, Yoshimi, 4,836,848, Cl. 75-231.000.
- Ishikawa, Yoshitaka; and Matsumoto, Takeo, to Sumitomo Heavy Industries, Ltd. Floating plate counterflow heat exchanger. 4,805,695, 2-21-89, Cl. 165-166.000.
- Ishikawa, Youhei; and Tanaka, Hiroaki, to Murata Manufacturing Co., Ltd. High frequency band-pass filter. 4,816,788, 3-28-89, Cl. 333-203.000.
- Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, to Murata Manufacturing Co., Ltd. Dielectric resonator apparatus. 4,821,006, 4-11-89, Cl. 333-202.000.
- Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, to Murata Manufacturing Co., Ltd. Dielectric filter. 4,839,773, 6-13-89, Cl. 361-321.000.
- Ishikawa, Yuichi: *See—*
  - Matsunaga, Shigeki; Ishikawa, Yuichi; and Hosoya, Masachi, 4,841,408, Cl. 361-220.000.
- Ishikawa, Yuji, to Canon Kabushiki Kaisha. Method and apparatus for reading original. 4,864,416, 9-5-89, Cl. 358-486.000.

- Ishikawa, Yutaka: *See—*
  - Takahashi, Yuji; Yamanaka, Yoshimi; and Ishikawa, Yutaka, 4,819,025, Cl. 355-14.00R.
- Ishikawajima-Harima Heavy Industries Co., Ltd.: *See—*
  - Katada, Katsuo; and Sakata, Yoshiyuki, 4,817,521, Cl. 100-240.000.
  - Kobayashi, Masahiro; Matsushita, Akitake; Nakamura, Hitoshi; Tanaka, Shinji; and Furuya, Shuji, 4,796,653, Cl. 137-341.000.
  - Nakamura, Hitoshi, 4,807,801, Cl. 228-231.000.
  - Watanabe, Naoto; Tanaka, Akira; Matsumoto, Takayuki; Ohmura, Yutaka; and Kojima, Hisao, 4,873,760, Cl. 29-714.000.
- Ishikawajima-Harima Jukogyo Kabushiki Kaisha: *See—*
  - Hirata, Atsushi; Fukase, Hisahiko; Matsui, Kunio; and Nomura, Akihiro, 4,865,115, Cl. 164-428.000.
  - Horiuchi, Ryo; Saito, Satoshi; Suzuki, Koichi; and Higashino, Kazuyuki, 4,856,163, Cl. 29-157.00C.
  - Koike, Hitoshi, 4,879,099, Cl. 422-177.000.
  - Kuwano, Hiroaki; Kawanami, Takao; Okudaira, Ken; and Tanaka, Akihiro, 4,843,855, Cl. 72-16.000.
  - Matsui, Kunio; Fukase, Hisahiko; Hirata, Atsushi; and Nomura, Akihiro, 4,883,113, Cl. 164-428.000.
  - Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.
  - Nomura, Akihiro; Fukase, Hisahiko; Matsui, Kunio; and Hirata, Atsushi, 4,804,037, Cl. 164-449.000.
  - Takagi, Kinshi; and Kondo, Nobuhiro, 4,795,309, Cl. 415-138.000.
  - Tsuchida, Yutaka; Takahashi, Snuzo; Osada, Shiro; and Hasebe, Nobuhisa, 4,807,692, Cl. 164-430.000.
  - Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hisashi; Ozeki, Akichika; and Hasebe, Nobuhisa, 4,821,790, Cl. 164-430.000.
- Ishikawajima Industrial Machinery Co., Ltd.: *See—*
  - Hanaya, Morimasa; Miura, Tsunemoto; Mamiya, Satoru; Isozaki, Hiroshi; and Miyajima, Kiyoshi, 4,838,751, Cl. 414-412.000.
- Ishikura, Hisatsugu; and Saito, Shigeki, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Electric power steering device. 4,802,543, 2-7-89, Cl. 180-79.100.
- Ishikura, Hisatugu: *See—*
  - Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
  - Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.
- Ishikura, Kazuo, to Nikkiso Co., Ltd Submerged type pump. 4,889,468, 12-26-89, Cl. 415-146.000.
- Ishikura, Kazuo: *See—*
  - Achiha, Masahiko; Ishikura, Kazuo; Saito, Shobu; Sugiyama, Masato; and Katsumata, Kenji, 4,811,092, Cl. 358-105.000.
  - Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirahata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, 4,853,765, Cl. 358-11.000.
  - Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, 4,821,112, Cl. 358-17.000.
- Ishikura, Shinichi: *See—*
  - Kanda, Kazunori; Muramoto, Hisaichi; Saito, Koichi; and Ishikura, Shinichi, 4,869,796, Cl. 204-181.600.
  - Kashihara, Akio; Ishii, Keizou; and Ishikura, Shinichi, 4,842,936, Cl. 428-407.000.
  - Kashihara, Akio; Miyazono, Tadafumi; Ishii, Keizou; and Ishikura, Shinichi, 4,870,132, Cl. 525-100.000.
  - Kuwajima, Teruaki; Miwa, Hiroshi; and Ishikura, Shinichi, 4,822,831, Cl. 523-421.000.
  - Miyazono, Tadafumi; Kashihara, Akio; and Ishikura, Shinichi, 4,833,189, Cl. 525-274.000.
  - Miyazono, Tadafumi; Kashihara, Akio; and Ishikura, Shinichi, 4,833,208, Cl. 525-285.000.
  - Muramoto, Hisaichi; Ishii, Keizou; and Ishikura, Shinichi, 4,829,127, Cl. 525-309.000.
- Ishikura, Tadashi: *See—*
  - Otomura, Keiichiro; Ogura, Yoshikazu; Echigo, Yoshiaki; Yamao, Mutsunori; and Ishikura, Tadashi, 4,808,316, Cl. 210-664.000.
- Ishikura, Takashi: *See—*
  - Mino, Joji; and Ishikura, Takashi, 4,867,070, Cl. 104-293.000.
  - Shinroku, Nakao; Ishikura, Takashi; and Arai, Yuuichi, 4,828,278, Cl. 280-644.000.
- Ishikura, Takuro, to Sharp Kabushiki Kaisha. Method of producing magnetosensitive semiconductor devices. 4,883,773, 11-28-89, Cl. 437-207.000.
- Ishikura, Tomoyuki: *See—*
  - Shibamoto, Norio; Yoshioka, Takeo; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,853,407, Cl. 514-414.000.
  - Yoshioka, Takeo; Chida, Noritaka; Watanabe, Azuma; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,812,563, Cl. 540-302.000.
- Ishikuro, Tadashi; and Fujiyama, Masaaki, to Fuji Photo Film Co., Ltd. Process for producing a magnetic recording medium. 4,812,330, 3-14-89, Cl. 427-128.000.
- Ishikuro, Tadashi; Mochizuki, Kouiti; and Fujiyama, Masaaki, to Fuji Photo Film Co., Ltd. Magnetic recording system. 4,851,288, 7-25-89, Cl. 428-329.000.
- Ishikwajima-Harima Jukogyo Kabushiki Kaisha: *See—*
  - Okabe, Yoshimi; and Kikuchi, Katsumi, 4,856,353, Cl. 73-865.800.
- Ishima, Tsutomu; and Sasaki, Kinihiko, to Alps Electric Co., Ltd.; and Honda Motor Co., Ltd. Electric connecting device. 4,872,842, 10-10-89, Cl. 439-15.000.
- Ishimaru, Hiroshi: *See—*
  - Hama, Masaaki; Watanabe, Keiichirou; and Ishimaru, Hiroshi, 4,818,559, Cl. 427-2.000.
- Ishimaru, Kenji: *See—*
  - Hamamoto, Kimihiko; Tokashiki, Michiyuki; Ichikawa, Yataro; Arai, Takami; and Ishimaru, Kenji, 4,814,278, Cl. 435-286.000.
  - Yamamoto, Michio; Kiriyama, Tsutomu; Sasaki, Noriaki; Sakamoto, Yoshitaka; and Ishimaru, Kenji, 4,885,057, Cl. 162-9.000.
- Ishimaru, Kenzo, to Beckman Instruments, Inc. Rotor noise suppression. 4,820,257, 4-11-89, Cl. 494-16.000.
- Ishimaru, Kiichiro: *See—*
  - Kondo, Nobuaki; and Ishimaru, Kiichiro, 4,829,644, Cl. 29-91.100.
- Ishimaru, Osamu: *See—*
  - Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.
  - Miyamoto, Mitsuyasu; Ishimaru, Osamu; and Fukube, Nobuyoshi, 4,825,491, Cl. 8-152.000.
- Ishimaru, Shingo: *See—*
  - Ikeda, Hideo; Fujita, Munehisa; Ishimaru, Shingo; Ayato, Hiroshi; and Urabe, Shigeharu, 4,806,461, Cl. 430-567.000.
- Ishimaru, Sueaki: *See—*
  - Shirakura, Osamu; Kojima, Hideo; Ouchi, Kiyohisa; and Ishimaru, Sueaki, 4,812,480, Cl. 514-557.000.
- Ishimaru, Toshiaki; Kawamura, Shoji; and Matsutani, Shunji, to Olympus Optical Co., Ltd. Lens driving apparatus. 4,851,869, 7-25-89, Cl. 354-195.100.
- Ishimaru, Yoshitaka, to Kanzaki Kokyukoki Mfg., Co. Ltd. Transmission for a tractor. 4,856,355, 8-15-89, Cl. 74-11.000.
- Ishimitsu, Keiichi; Imagawa, Hiroyuki; Yamada, Tomio; Matsuda, Michihiko; and Kitagawa, Yukio, to Nippon Soda Co., Ltd. Oxa(-thia)zolidine derivatives. 4,882,431, 11-21-89, Cl. 540-603.000.
- Ishimizu, Hideaki: *See—*
  - Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; Uchida, Takao; and Asaka, Toshiyuki, 4,857,005, Cl. 439-140.000.
  - Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; and Asaka, Toshiyuki, 4,869,605, Cl. 400-124.000.
- Ishimori, Tsutomu: *See—*
  - Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihi, [illegible]mori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.
- Ishimoto, Hironori: *See—*
  - Imamura, Youichiro; Kaeriyama, Toshiyuki; and Ishimoto, Hironori, 4,855,798, Cl. 357-71.000.
- Ishimoto, Kenji; and Kawabata, Kouji, to UBE Industries, Ltd. Vertical injection apparatus. 4,840,557, 6-20-89, Cl. 425-555.000.
- Ishimoto, Shoji, to NEC Corporation. Output circuit with improved timing control circuit. 4,797,573, 1-10-89, Cl. 307-269.000.
- Ishimoto, Takashi: *See—*
  - Hayami, Toshitomo; Shibata, Humio; Iguchi, Katsumi; Inoue, Hisao; Ono, Takashi; and Ishimoto, Takashi, 4,859,251, Cl. 148-286.000.
- Ishimoto, Tsukasa: *See—*
  - Tsuchida, Seiichi; and Ishimoto, Tsukasa, 4,822,526, Cl. 260-103.000.
- Ishimoto, Zenichi, to Nikko Co., Ltd. Apparatus for transferring a running track of a racing toy. 4,854,909, 8-8-89, Cl. 446-129.000.
- Ishimoto, Zenichi, to Nikko Co., Ltd. Apparatus for changing the running track of a racing toy. 4,878,876, 11-7-89, Cl. 446-446.000.
- Ishimura, Fumihiro; Ishikawa, Satoru; and Akiyama, Seiji, to Toyo Jozo Co., Ltd. Process for preparing optically active mercapto compound. 4,857,469, 8-15-89, Cl. 435-280.000.
- Ishimura, Hidekazu; Otsuka, Masahiko; Takahashi, Yasushi; and Ishikawa, Tadayoshi, to Asahi Kasei Kogyo Kabushiki Kaisha. Hardener for curable one-package epoxy resin system. 4,833,226, 5-23-89, Cl. 528-45.000.
- Ishimura, Koichi: *See—*
  - Niino, Shuhei; Ishimura, Koichi; Okamoto, Ken; and Ohba, Koichi, 4,845,969, Cl. 72-11.000.
- Ishimura, Tamihiro: *See—*
  - Miyawaki, Masahumi; Miyamoto, Sampei; and Ishimura, Tamihiro, 4,843,258, Cl. 307-296.200.
- Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Data transmission system for use in a camera system. 4,811,043, 3-7-89, Cl. 354-412.000.
- Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Motor control device for use in a camera system. 4,855,778, 8-8-89, Cl. 354-412.000.
- Ishimura, Toshihiko; Tsuji, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera system. 4,887,119, 12-12-89, Cl. 354-413.000.
- Ishimura, Toshihiko: *See—*
  - Ishikawa, Norio; and Ishimura, Toshihiko, 4,887,105, Cl. 354-21.000.
- Ishinaga, Hideki: *See—*
  - Mitani, Katsuaki; and Ishinaga, Hideki, 4,840,471, Cl. 350-438.000.

Ishinaga, Hiroyuki, to Canon Kabushiki Kaisha. Print hammer with flux detection for print pressure control. 4,812,062, 3-14-89, Cl. 400-157.200.
Ishino, Iwao; and Hattori, Noriaki, to Mitsubishi Petrochemical Co., Ltd. Self-extinguishing polymer composition. 4,829,119, 5-9-89, Cl. 524-436.000.
Ishino, Iwao: *See—*
  Oonishi, Akiyoshi; Ishino, Iwao; Shimada, Takeo; and Ozeki, Yuji, 4,871,819, Cl. 526-245.000.
  Shimada, Takeo; Isaka, Tsutomu; Okada, Noriyuki; Ishino, Iwao; and Usami, Nobuhiro, 4,802,892, Cl. 44-62.000.
Ishino, Masahiro, to Fuji Xerox Co., Ltd. Paper folding apparatus. 4,869,712, 9-26-89, Cl. 493-416.000.
Ishino, Takashi; Hiyama, Isao; Nagano, Yousuke; Shikamori, Tamotu; Turuta, Shizuo; Kamano, Toshiyasu; and Oshugi, Hiroshi, to Hitachi, Ltd. Washing machine. 4,868,944, 9-26-89, Cl. 8-158.000.
Ishino, Tatsuyuki: *See—*
  Shimoda, Makoto; Ishino, Tatsuyuki; and Matsuo, Makoto, 4,855,908, Cl. 364-405.000.
Ishino, Tomoaki: *See—*
  Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoaki, 4,799,284, Cl. 15-230.120.
  Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoaki, 4,800,611, Cl. 15-308.000.
Ishino, Yoshio: *See—*
  Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima, Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.
Ishio, Noriaki: *See—*
  Yoshioka, Nobuyuki; and Ishio, Noriaki, 4,865,952, Cl. 430-315.000.
Ishio, Tadashi; and Matsumura, Daisuke, to Asahi Kasei Kogyo Kabushiki Kaisha. Heat shrinkable cylindrical laminated film. 4,863,768, 9-5-89, Cl. 428-34.900.
Ishioka, Hidenori: *See—*
  Aoki, Katsuyuki; Umemura, Hiroyuki; Okads, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
  Matsuda, Kenji; Sugawara, Sakuo; Hara, Masanori; Umemura, Hiroyuki; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,858,824, Cl. 236-94.000.
  Matsuda, Kenji; Togashi, Kenji; Umemura, Hiroyuki; Okada, Tetsuji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,877,183, Cl. 236-49.300.
  Okada, Tetsuji; Umemura, Hiroyuki; Matsuda, Kenji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,850,203, Cl. 62-209.000.
Ishioka, Hiroshi: *See—*
  Yamamoto, Shosaku; Kakinuma, Kazuo; Ishioka, Hiroshi; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,874,818, Cl. 525-183.000.
Ishioka, Katsutoshi: *See—*
  Matsukawa, Noritomo; and Ishioka, Katsutoshi, 4,829,093, Cl. 521-53.000.
Ishioka, Sachio; Tsuji, Kazutaka; Takasaki, Yukio; Shimomoto, Yasuharu; Matsubara, Hirokazu; and Hirai, Tadaaki, to Hitachi, Ltd. Electronic device having light transmission system. 4,829,345, 5-9-89, Cl. 357-19.000.
Ishioka, Sachio: *See—*
  Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.
  Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
Ishisaka, Akira; and Ota, Kohei, to Konica Corporation. Albada type inverted Galileo finder. 4,828,374, 5-9-89, Cl. 350-432.000.
Ishito, Fumiaki: *See—*
  Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.
  Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.
  Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.
  Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.
Ishitobi, Ken: *See—*
  Miyazaki, Kunihiro; and Ishitobi, Ken, 4,883,502, Cl. 51-309.000.
Ishitoku, Takeshi: *See—*
  Kihara, Noriaki; Mukaiyama, Teruaki; Ishitoku, Takeshi; and Takahashi, Katsuya, 4,814,500, Cl. 564-104.000.
Ishiwa, Hiromi; Shibahara, Harue; Mutai, Masahiko; and Tsuchida, Nobuo, to Kabushiki Kaisha Yakult Honsha. Chimeric plasmids. 4,876,202, 10-24-89, Cl. 435-320.000.
Ishiwa, Masayuki: *See—*
  Hasegawa, Akira; and Ishiwa, Masayuki, 4,868,047, Cl. 428-324.000.
Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki, Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi, Takashi, to Bridgestone Corporation. Platen roll. 4,887,923, 12-19-89, Cl. 400-659.000.
Ishiwari, Hidetoshi: *See—*
  Yamashita, Yoshimi; Kosemura, Kinjiro; Ishiwari, Hidetoshi; Yamamoto, Sumio; and Kuroda, Shigeru, 4,849,368, Cl. 437-41.000.
Ishiwata, Ichiro; and Nakagawa, Keiji, to Nippon Air Brake Co., Ltd. Fluid pressure control valve. 4,813,450, 3-21-89, Cl. 137-505.250.
Ishiwata, Kazuya: *See—*
  Ohkubo, Yukitoshi; Watanabe, Yasuyuki; Mochizuki, Chiori; Ishii, Takayuki; Yamanobe, Masato; and Ishiwata, Kazuya, 4,878,742, Cl. 350-347.00V.
  Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
Ishiwata, Ken-ichi; Nakamura, Takeshi; Makiguchi, Nobuyoshi; Miyahara, Shoichiro; Matsumoto, Toshio; and Nitta, Kazunari, to Mitsui Toatsu Chemicals, Inc. Method for racemization of optically active serine. 4,879,411, 11-7-89, Cl. 562-401.000.
Ishiwata, Kenji: *See—*
  Amemiya, Shin-ichi; and Ishiwata, Kenji, 4,866,613, Cl. 364-413.250.
Ishiwata, Masao: *See—*
  Nakada, Toshio; Takemura, Fumio; and Ishiwata, Masao, 4,888,215, Cl. 427-215.000.
Ishiwata, Takehiko; and Yoshida, Norifumi, to ASCII Corporation. Joystick. 4,870,389, 9-26-89, Cl. 340-709.000.
Ishiwata, Tetsuo; and Taguchi, Katsuyuki, to Matsushita Electric Industrial Co., Ltd. Magnetic recording and reproducing apparatus. 4,873,590, 10-10-89, Cl. 360-73.140.
Ishiwatari, Makoto: *See—*
  Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,836,325, Cl. 180-333.000.
  Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,887,844, Cl. 280-779.000.
  Handa, Akio; Hosoya, Eiji; Mizumoto, Kousei; Ishiwatari, Makoto; and Okuma, Takanori, 4,799,565, Cl. 180-69.400.
  Watanabe, Seiji; Handa, Akio; Hosoya, Eiji; Ishiwatari, Makoto; Kimura, Yoshihiro; and Shibukawa, Takerou, 4,828,017, Cl. 165-41.000.
Ishiwatari, Masaaki; Tsutsumi, Yuji; Ogusu, Yoshiyuki; and Kimura, Yoshihiro, to Shiseido Company Ltd. Cosmetic composition. 4,857,304, 8-15-89, Cl. 424-59.000.
Ishiwatari, Takashi: *See—*
  Yamamoto, Hiroshi; Ishida, Masaru; Watanabe, Jin; Ishiwatari, Takashi; Tubaki, Kazuharu; and Nakanishi, Shinichi, 4,800,661, Cl. 38-93.000.
Ishiyama, Fumio: *See—*
  Tanaka, Shigeru; and Ishiyama, Fumio, 4,797,908, Cl. 378-105.000.
Ishiyama, Keiichi: *See—*
  Misono, Shigemi; Ueda, Makoto; Shikino, Kazuto; Torii, Tomoyuki; Ishiyama, Keiichi; and Aoyagi, Toshiharu, 4,796,036, Cl. 346-108.000.
Ishiyama, Kunio, to Hitachi Ltd.; and Hitachi Automotive Engineering Co., Ltd. Power supply for a magnetron. 4,833,581, 5-23-89, Cl. 363-20.000.
Ishiyama, Kunio: *See—*
  Odaka, Teruaki; Ishiyama, Kunio; and Noguchi, Shoichi, 4,866,590, Cl. 363-49.000.
Ishiyama, Masashi: *See—*
  Horie, Ikutaro; Ishiyama, Masashi; and Tomizuka, Teiichi, 4,853,262, Cl. 428-13.000.
Ishiyama, Nobuo: *See—*
  Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
  Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,883,879, Cl. 546-280.000.
Ishiyama, Shozo; Kojima, Tadashi; and Banno, Makoto, to Konishiroku Photo Industry Co., Ltd. Focusing means for a zoom lens group. 4,830,475, 5-16-89, Cl. 350-427.000.
Ishiyama, Tatsuro: *See—*
  Noguchi, Takeshi; Orikawa, Michihiro; and Ishiyama, Tatsuro, 4,832,319, Cl. 267-140.100.
  Orikawa, Michihiro; and Ishiyama, Tatsuro, 4,795,140, Cl. 267-140.100.
  Tabata, Toshiyuki; Ishiyama, Tatsuro; Ushijima, Takao; and Dan, Takuya, 4,872,650, Cl. 267-140.100.
Ishizaka, Akitoshi: *See—*
  Furukawa, Seijiro; Etoh, Hiroyuki; Ishizaka, Akitoshi; and Shimada, Toshikazu, 4,885,614, Cl. 357-16.000.
Ishizaka, Hideo, to Fuji Photo Film Co., Ltd. Light beam scanning apparatus employing rotating polygon mirror. 4,831,247, 5-16-89, Cl. 250-205.000.
Ishizaka, Hideo: *See—*
  Hosoi, Yuichi; Arakawa, Satoshi; Ishizaka, Hideo; Matsuda, Terumi; and Takahashi, Kenji, 4,864,134, Cl. 250-327.200.
  Kushima, Hiroshi; and Ishizaka, Hideo, 4,839,683, Cl. 354-322.000.
  Murase, Masakazu; and Ishizaka, Hideo, 4,803,367, Cl. 250-236.000.
Ishizaka, Kouichi; and Ebina, Akimitsu, to Jidosha Kiki Co., Ltd. Motor speed control apparatus. 4,871,952, 10-3-89, Cl. 388-829.000.
Ishizaka, Shoji; Mizutani, Hideo; Makinouchi, Susumu; and Tanimoto, Akikazu, to Nikon Corporation. Projection optical apparatus. 4,801,977, 1-31-89, Cl. 355-30.000.
Ishizaka, Yasuo; Watanabe, Noboru; Kimura, Kazuo; and Imaoka, Eiichiro, to Victor Company of Japan Ltd. Perpendicular magnetic recording medium. 4,798,765, 1-17-89, Cl. 428-336.000.
Ishizaka, Yoshirou; Naganuma, Hiroshi; Sato, Kenji; Kishi, Yuji; Ishida, Yoshihisa; and Goto, Kiyokazu, to Sanyo Electric Co., Ltd. Refrigeration showcase. 4,872,320, 10-10-89, Cl. 62-255.000.
Ishizaka, Yuji, to Kabushiki Kaisha Meidensha. Method for measuring effective heating power for high frequency heating. 4,798,925, 1-17-89, Cl. 219-10.410.
Ishizaka, Yutaka: *See—*
  Miyagawa, Michiaki; Ishizaka, Yutaka; and Shimomura, Shoji, 4,876,732, Cl. 382-41.000.
Ishizaki, Akira; Nakamura, Yoshio; and Sugawa, Shigetoshi, to Canon Kabushiki Kaisha. Photo signal storing sensor device. 4,870,266, 9-26-89, Cl. 250-214.0AG.
Ishizaki, Akira: *See—*
  Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,800,410, Cl. 354-408.000.
  Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,812,869, Cl. 354-408.000.
  Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,833,313, Cl. 250-201.000.
  Miyazaki, Hiroshi; Miyatani, Takao; Ishizaki, Akira; and Abe, Shinpei, 4,800,640, Cl. 29-429.000.
  Suda, Yasuo; Akashi, Akira; Ishizaki, Akira; Ohmura, Hiroshi; and Ohtaka, Keiji, 4,825,239, Cl. 354-402.000.
  Suda, Yasuo; Ohnuki, Ichiro; Akashi, Akira; Ishizaki, Akira; Ohtaka, Keiji; and Koyama, Takeshi, 4,859,842, Cl. 250-201.000.
  Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; and Ishizaki, Akira, 4,835,404, Cl. 250-578.000.
Ishizaki, Hideki: *See—*
  Uchiyama, Kenji; Ishizaki, Hideki; Utsunomiya, Hajime; and Takayama, Suguru, 4,849,304, Cl. 428-694.000.
  Uchiyama, Kenji; Ishizaki, Hideki; and Takayama, Suguru, 4,861,656, Cl. 428-333.000.
Ishizaki, Hidetsurumaro; and Taguchi, Riyozo, to Zojirushi Vacuum Bottle Co., Ltd. Method of making a stainless steel vacuum bottle with a silver mirrored surface. 4,856,174, 8-15-89, Cl. 29-455.100.
Ishizaki, Hirohumi: *See—*
  Yabu, Yasuo; Akiyama, Kazuhisa, Abiko, Toshio; Kanda, Minoru; Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsugu; Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 343-700.0MS.
Ishizaki, Kanjiro: *See—*
  Kanagawa, Yutaka; Ishizaki, Kanjiro; and Ozawa, Mitsuzo, 4,851,155, Cl. 252-628.000.
  Suzuki, Osamu; Ishizaki, Kanjiro; Asami, Akira; and Kushida, Shizuko, 4,826,035, Cl. 220-203.000.
Ishizaki, Kosho: *See—*
  Hashimoto, Ichiro; Ishizaki, Kosho; Hayashida, Hiroshi; and Miyashita, Kunio, 4,890,024, Cl. 310-49.00R.
Ishizaki, Makoto; Sato, Takateru; Tanaka, Soichi; and Kariu, Keiki, to Kuraray Co., Ltd.; and Kawasumi Laboratories, Inc. Method for treating blood and apparatus therefor. 4,839,055, 6-13-89, Cl. 210-641.000.
Ishizaki, Masahiko: *See—*
  Takematsu, Tetsuo; Kato, Shozo; Isnizaki, Masahiko; and Suyama, Toshihisa, 4,802,907, Cl. 71-90.000.
Ishizaki, Masao: *See—*
  Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, 4,853,682, Cl. 340-706.000.
  Sakami, Yasuo; Okina, Shigetaka; Tsubouchi, Junichi; Izaki, Shozo; Furushima, Toshitaka; Watanabe, Hiroyuki; and Ishizaki, Masao, 4,839,854, Cl. 364-900.000.
Ishizaki, Takaharu; Igarashi, Taizo; Urano, Yasuo; and Onodera, Yumiko, to Nippon Oil and Fats Company, Limited. Method for improving cold flow of hydrocarbon fuel oils. 4,885,008, 12-5-89, Cl. 44-62.000.
Ishizaki, Takashi: *See—*
  Okamoto, Takashi; Terasawa, Akio; and Ishizaki, Takashi, 4,811,281, Cl. 364-900.000.
Ishizaki, Takayoshi: *See—*
  Masuzawa, Kuniyoshi; Suzue, Seigo; Hirai, Keiji; and Ishizaki, Takayoshi, 4,826,982, Cl. 544-363.000.
Ishizaki, Yukuo: *See—*
  Obayashi, Akira; Hiraoka, Nobutsugu; Ishizaki, Yukuo; Ohshima, Atsushi; and Kasai, Mitsuo, 4,868,115, Cl. 435-188.000.
Ishizawa, Isamu: *See—*
  Tamaki, Sigeo; and Ishizawa, Isamu, 4,809,659, Cl. 123-399.000.
  Yanagisawa, Shozo; Tamaki, Sigeo; and Ishizawa, Isamu, 4,840,146, Cl. 123-52.0MB.
Ishizawa, Takashi: *See—*
  Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
Ishizeki, Seiichi, to Fuji Jukogyo Kabushiki Kaisha. System for displaying trouble in an electronic control system of a motor vehicle. 4,884,056, 11-28-89, Cl. 340-453.000.
Ishizeki, Seiichi: *See—*
  Ushijima, Takayaki; Igarashi, Katsumasa; and Ishizeki, Seiichi, 4,881,785, Cl. 303-111.000.
Ishizeki, Seiji: *See—*
  Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.
Ishizu, Akira; Nishimura, Tadashi; and Inoue, Yasuo, to Mitsubishi Denki Kabushiki Kaisha. Method of producing a thin film semiconductor device. 4,822,751, 4-18-89, Cl. 437-173.000.
Ishizu, Akira: *See—*
  Niki, Kenichi; Kokogawa, Tohru; Ishizu, Akira; and Takasago, Hayato, 4,887,030, Cl. 324-158.00P.
Ishizu, Hisao: *See—*
  Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
Ishizu, Makoto: *See—*
  Yoshimura, Shushichi; Ishizu, Makoto; Kobayashi, Hiromu; and Yamazaki, Hozo, 4,808,395, Cl. 423-447.300.
Ishizu, Yoshio: *See—*
  Tanabe, Susumu, Sekii, Shigekazu; Tsuchida, Kouji; and Ishizu, Yoshio, 4,841,981, Cl. 128-692.000.
Ishizuka, Akira, to NEC Corporation. Error detection carried out by the use of unused modulo-m code. 4,870,607, 9-26-89, Cl. 364-739.000.
Ishizuka, Akira; and Nakamura, Toshihiko, to NEC Corporation. Fast summing circuit. 4,884,233, 11-28-89, Cl. 364-786.000.
Ishizuka, Hiroaki: *See—*
  Nakanishi, Hikaru; Kamiya, Masahiro; Kuwana, Katsuyuki; and Ishizuka, Hiroaki, 4,808,378, Cl. 422-48.000.
Ishizuka, Hiromi, to NEC Corporation. Spindle motor control system for magnetic disk apparatus. 4,890,045, 12-26-89, Cl. 318-608.000.
Ishizuka, Hiroshi; and Hayakawa, Satoshi, to Ishizuka Research Institute Ltd., The. Diamond composite and method for producing the same. 4,844,988, 7-4-89, Cl. 428-552.000.
Ishizuka, Hiroshi; and Togano, Toshio, to Ishizuka Research Institute Ltd., The. Polishing machine using super abrasive grains. 4,854,083, 8-8-89, Cl. 51-131.400.
Ishizuka, Ichiro: *See—*
  Sumimoto, Shinzaburo; Ishizuka, Ichiro; Kai, Hiroyuki; Ueda, Shiro; and Takase, Akira, 4,797,492, Cl. 548-245.000.
  Sumimoto, Shinzaburo; Ishizuka, Ichiro; Ueda, Shiro; Kai, Hiroyuki; and Ide, Kinya, 4,888,044, Cl. 71-88.000.
Ishizuka, Kachu. Guitar pick. 4,843,942, 7-4-89, Cl. 84-322.000.
Ishizuka, Mamoru: *See—*
  Komoda, Tomohisa; Ishizuka, Mamoru; Tsuchimoto, Shuhei; and Yoshikawa, Mitsuhiko, 4,824,539, Cl. 204-192.200.
Ishizuka, Masaaki: *See—*
  Okami, Yoshiro; Kurasawa, Shogo; Kamayama, Toshiyuki; Takahashi, Atsushi; Ishizuka, Masaaki; and Umezawa, Hamao, deceased, 4,870,172, Cl. 540-460.000.
  Umezawa, Hamao; Aoyagi, Takaaki; Takeuchi, Tomio; Hamada, Masa; and Ishizuka, Masaaki, 4,859,593, Cl. 435-128.000.
  Umezawa, Hamao, deceased; Takeuchi, Tomio; Ishizuka, Masaaki; Abe, Fuminori; Fujii, Akio; and Nakamura, Teruya, 4,851,446, Cl. 514-620.000.
Ishizuka Research Institute Ltd., The: *See—*
  Ishizuka, Hiroshi; and Hayakawa, Satoshi, 4,844,988, Cl. 428-552.000.
  Ishizuka, Hiroshi; and Togano, Toshio, 4,854,083, Cl. 51-131.400.
Ishizuka, Satoshi, to Nissan Motor Co., Ltd. Vehicle roof structure having sliding roof lid. 4,822,097, 4-18-89, Cl. 296-216.000.
Ishizuka, Satoshi: *See—*
  Ichikawa, Kiyoshi; Ishizuka, Satoshi; and Yamamoto, Shinji, 4,865,808, Cl. 428-548.000.
Ishizuka, Seiji, to Fuji Photo Film Co., Ltd. Method of multi-layer coating. 4,863,765, 9-5-89, Cl. 427-420.000.
Ishizuka, Shigeo; and Kuzuno, Katsutoshi, to Yazaki Corporation. Multi-terminal connector. 4,875,873, 10-24-89, Cl. 439-347.000.
Ishizuka, Shigeo: *See—*
  Kuzuno, Katsutoshi; Ishizuka, Shigeo; Sakurai, Kazuaki; and Watanabe, Hiroshi, 4,820,181, Cl. 439-272.000.
  Kuzuno, Katsutoshi; Ishizuka, Shigeo; and Sakurai, Kazuaki, 4,850,890, Cl. 439-310.000.
  Kuzuno, Katsutoshi; Watanabe, Hiroshi; and Ishizuka, Shigeo, 4,880,943, Cl. 174-72.00A.
Ishizuka, Shinichi: *See—*
  Ichimura, Yoshiaki; Ishizuka, Shinichi; Komoto, Mitsuo; and Umesato, Shoji, 4,880,399, Cl. 439-689.000.
Ishizuka, Susumu: *See—*
  Miura, Shinsuke; and Ishizuka, Susumu, 4,811,592, Cl. 73-32.00A.
  Miura, Shinsuke; and Ishizuka, Susumu, 4,811,593, Cl. 73-54.000.
  Miura, Shinsuke; Ishizuka, Susumu; and Kojima, Setsuo, 4,857,792, Cl. 310-323.000.
Ishizuka, Tadashi: *See—*
  Nagasawa, Hideo; Suzuki, Kazuyoshi; and Ishizuka, Tadashi, 4,832,516, Cl. 400-124.000.
Ishizuka, Takashi: *See—*
  Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,050, Cl. 355-256.000.
Ishizuka, Takuo, to Hitachi, Ltd. Data transfer system and method for channels with serial transfer line. 4,841,475, 6-20-89, Cl. 364-900.000.
Ishizuka, Tazuko. F.θ lens system. 4,863,250, 9-5-89, Cl. 350-463.000.

- Ishizuka, Tetuya: *See—*
  - Uchiyama, Kaoru; Ishizuka, Tetuya; and Sakamoto, Kiichiro, 4,887,116, Cl. 354-320.000.
- Ishizuka, Tohru: *See—*
  - Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,829,067, Cl. 514-233.500.
  - Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,882,340, Cl. 514-320.000.
- Ishizuka, Toshihiro: *See—*
  - Takeda, Ryuzaburo; Koizumi, Hideaki; and Ishizuka, Toshihiro, 4,814,709, Cl. 324-309.000.
- Ishizuka, Toshio: *See—*
  - Tsuzuki, Kazuo; Yoshida, Yoshinori; Ishizuka, Toshio; and Anezaki, Mitsugu, 4,827,473, Cl. 370-60.000.
- Ishizuka, Toshiro: *See—*
  - Kuhara, Kohichi; Shimazoe, Takahiro; Ishizuka, Toshiro; and Sekiya, Masayoshi, 4,831,078, Cl. 524-821.000.
- Ishizuka, Toshiyasu: *See—*
  - Taguchi, Norikazu; Nishizaki, Hirozumi; Masui, Hisashi; and Ishizuka, Toshiyasu, 4,818,911, Cl. 310-259.000.
- Ishizuka, Yoshimi: *See—*
  - Nomura, Tomohiko; Shimizu, Hitoshi; Inoue, Hiroshi; Ishizuka, Yoshimi; and Hirano, Hiroshi, 4,816,501, Cl. 523-406.000.
- Ishizuka, Yutaka; and Nagao, Teruyuki, to Diesel Kiki Co., Ltd. Indoor unit for room air conditioners. 4,805,418, 2-21-89, Cl. 62-298.000.
- Ishizuka, Yutaka; Kaizaki, Masanori; and Tanaka, Shigeo, to Diesel Kiki Co., Ltd. Diffuser unit for air conditioning system. 4,815,362, 3-28-89, Cl. 98-41.100.
- Ishizuka, Yutaka; and Nagao, Teruyuki, to Diesel Kiki Co., Ltd. Indoor unit for room air conditioners and air conditioning system using the same. 4,828,019, 5-9-89, Cl. 165-54.000.
- Ishizuka, Yutaka: *See—*
  - Shibuya, Tsuneori; Ishizuka, Yutaka; Takada, Haruhiko; Nakamura, Teruo; and Takayama, Hidehiko, 4,810,177, Cl. 418-76.000.
- Ishizuka, Yuzo: *See—*
  - Sakayori, Kiyoshi; Iwasaki, Shinichi; Ishida, Yozo; Shinogaya, Toshikazu; and Ishizuka, Yuzo, 4,887,950, Cl. 411-302.000.
- Ishizuki, Kenji; Hagiuda, Nobuyoshi; Yokonuma, Norikazu; and Hamanishi, Yoshinari, to Nikon Corporation. Auto focusing light device. 4,804,991, 2-14-89, Cl. 354-403.000.
- Ishizuki, Kenji: *See—*
  - Amanuma, Tatuo; Ishizuki, Kenji; and Ohtsubo, Yoshiaki, 4,796,044, Cl. 354-403.000.
- Ishizumi, Kikuo; Antoku, Fujio; Maruyama, Isamu; and Kojima, Atsuyuki, to Sumitono Pharmaceuticals Company, Limited. Succinimide derivatives, and their production and use. 4,843,078, 6-27-89, Cl. 514-253.000.
- Ishizumi, Kukuo: *See—*
  - Antoku, Fujio; Yoshigi, Mayumi; Saji, Ikutaro; Kojima, Atsuyuki; and Ishizumi, Kukuo, 4,812,461, Cl. 514-278.000.
- Ishording, Willem, to U.S. Philips Corporation. Process and apparatus for the simultaneous and remote reading and certifying of an information present in a memory of an electronic medium. 4,816,651, 3-28-89, Cl. 235-379.000.
- Isida, Nobumasa: *See—*
  - Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Isida, Nobumasa; and Isikawa, Junji, 4,834,796, Cl. 106-1.230.
- Isida, Takeshi: *See—*
  - Kobayashi, Osamu; Furuya, Yonezou; Isida, Takeshi; and Mikami, Mitsugu, 4,883,158, Cl. 194-217.000.
- Isidoro, Guido. Control mechanism for controlling the water supply in an irrigation system and similar, operating by means of pressure pulses. 4,877,047, 10-31-89, Cl. 137-119.000.
- Isidorov, Eduard A.: *See—*
  - Ivchenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., 4,808,375, Cl. 420-548.000.
- Isigaki, Chizuru: *See—*
  - Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
- Isikawa, Junji: *See—*
  - Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Isida, Nobumasa; and Isikawa, Junji, 4,834,796, Cl. 106-1.230.
- Isix, Inc.: *See—*
  - Perkins, John D., 4,847,690, Cl. 358-143.000.
  - Short, Michael P., 4,821,101, Cl. 358-181.000.
  - Short, Michael P., 4,849,817, Cl. 358-142.000.
- Iskiyan, James L.; Legvold, Vernon J.; Leung, Peter L. H.; and Martin, Guy E., to International Business Machines Corporation. Peripheral subsystem having read/write cache with record access. 4,875,155, 10-17-89, Cl. 364-200.000.
- Iskra-Sozd Elektrokovinske Industrije n.sol.o.: *See—*
  - Rozman, Miro, 4,808,918, Cl. 324-142.000.
  - Rozman, Miro; and Zlebir, Silvo, 4,843,311, Cl. 324-142.000.
- Islam, Shafidul: *See—*
  - Kennon, James A.; Islam, Shafidul; Popken, Jeffrey L.; Medders, Jerry B.; Fitzgerald, Susan S.; Kelley, Donald R.; and Burr, Philip A., 4,812,114, Cl. 425-116.000.
- Islava, Steven T.; and Cazort, John G., III. Escape ladder. 4,867,275, 9-19-89, Cl. 182-198.000.
- Ismach, Aaron. Ventilator system having improved means for assisting and controlling a patient's breathing. 4,813,409, 3-21-89, Cl. 128-204.280.
- Ismagilov, Foat R.: *See—*
  - Ismagilov, Zinfer R; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.
- Ismagilov, Zinfer R; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N. Method for the purification of hydrogen sulfide-containing gases. 4,886,649, 12-12-89, Cl. 423-230.000.
- Ismail, Amr A., to Maine Wild Blueberry Company. Process for producing semi-moist cranberries and the product therefrom. 4,814,190, 3-21-89, Cl. 426-102.000.
- Ismailer, Anatoly A.: *See—*
  - Socci, Robert L.; Ismailer, Anatoly A.; and Castrogiovanni, Anthony, 4,832,944, Cl. 424-61.000.
- Ismert, Daniel A. Ground anchor device. 4,826,111, 5-2-89, Cl. 248-49.000.
- Ismert, Joseph P., to Sioux Chief Manufacturing Company, Inc. Water hammer arrester. 4,819,698, 4-11-89, Cl. 138-31.000.
- Isnardi, Michael A., to General Electric Company. Compatible widescreen television system with auxiliary subcarrier modulated by side panel high frequency information. 4,839,720, 6-13-89, Cl. 358-12.000.
- Isnardi, Michael A.; and Patel, Chandrakant B., to General Electric Company. Widescreen video signal processor with auxiliary modulated by widescreen information. 4,853,766, 8-1-89, Cl. 358-12.000.
- Isnardi, Michael A., to General Electric Company. Apparatus for processing auxiliary information in an extended definition widescreen television system. 4,855,811, 8-8-89, Cl. 358-12.000.
- Isnardi, Michael A.; and Hurst, Robert N., Jr., to General Electric Company. Apparatus for pre-conditioning auxiliary television signal information. 4,884,127, 11-28-89, Cl. 358-12.000.
- Isnardi, Michael A.; Smith, Terrence R.; Fuhrer, Jack S.; and Roeder, Barbara J., to General Electric Company. Extended definition widescreen television system using plural signal transmission channels 4,888,641, 12-19-89, Cl. 358-141.000.
- Isnardi, Michael A.: *See—*
  - Koslov, Joshua L.; Isnardi, Michael A.; Flory, Robert E.; and Campbell, Edward R., III, 4,845,562, Cl. 358-141.000.
  - Smith, Terrence R.; Isnardi, Michael A.; Fuhrer, Jack S.; and Patel, Chandrakant B., 4,862,271, Cl. 358-166.000.
  - Strolle, Christopher H.; Smith, Terrence R.; Roeder, Barbara J.; and Isnardi, Michael A., 4,816,899, Cl. 358-12.000.
- Isner, Jeffrey M.: *See—*
  - Clarke, Richard H.; Isner, Jeffrey M.; and Muller, David F. 4,862,886, Cl. 128-303.100.
- Isner, Robert E. Apparatus for the electrostatic treatment of monofilaments. 4,810,180, 3-7-89, Cl. 425-174.80E.
- Isner, Robert E. Method of making a monofilament having on the surface embedded filamentons material. 4,810,319, 3-7-89, Cl. 156-244.110.
- Iso-Clear Systems Corporation: *See—*
  - Elfline, Geraldine S., 4,800,024, Cl. 210-665.000.
- Isoai, Masaru: *See—*
  - Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.
- Isoardi, Patrick: *See—*
  - Lehmann, Jean-Philippe; and Isoardi, Patrick, 4,890,255, Cl. 364-900.000.
- Isobe, Akira; and Anzai, Tsutomu, to Sony Corporation. Cable adaptor with switch. 4,855,611, 8-8-89, Cl. 307-125.000.
- Isobe, Asao: *See—*
  - Koibuchi, Shigeru; Isobe, Asao; Makino, Daisuke; and Takeda, Yutaka, 4,801,519, Cl. 430-331.000.
- Isobe, Atsushi; Isobe, Masahiko; and Isobe, Naoki. Method for manufacturing a bar antenna. 4,799,310, 1-24-89, Cl. 29-605.000.
- Isobe, Eiji: *See—*
  - Suga, Yoshinori; Tanaka, Eiji; Maruyama, Yasuo; and Isobe, Eiji, 4,883,848, Cl. 526-124.000.
- Isobe, Kenichi: *See—*
  - Ogawa, Masahiko; Kashida, Meguru; and Isobe, Kenichi, 4,849,491, Cl. 528-15.000.
- Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Harada, Toshihiro, to Kawasaki Steel Corporation. Method of reducing slab in widthwise direction. 4,848,127, 7-18-89, Cl. 72-206.000.
- Isobe, Makoto: *See—*
  - Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,811,496, Cl. 34-144.000.
  - Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,827,630, Cl. 34-146.000.
- Isobe, Masahiko: *See—*
  - Isobe, Atsushi; Isobe, Masahiko; and Isobe, Naoki, 4,799,310, Cl. 29-605.000.
- Isobe, Michihisa: *See—*
  - Imai, Shozaburo; Isobe, Michihisa; Yokoo, Kazuhiro; and Matsuura, Hideaki, 4,812,345, Cl. 428-65.000.
- Isobe, Minoru, to Oki Electric Industry Co., Ltd. Electronic print board apparatus. 4,812,914, 3-14-89, Cl. 358-293.000.
- Isobe, Mitsuo; and Kimura, Tohru, to Kabushiki Kaisha Toshiba. Semiconductor memory device having a self-diagnosing function. 4,833,652, 5-23-89, Cl. 365-201.000.

- Isobe, Mitsuo: *See—*
  - Aono, Akira; and Isobe, Mitsuo, 4,858,197, Cl. 365-233.500.
  - Hayakawa, Shigeyuki; Isobe, Mitsuo; and Ohtani, Takayuki, 4,882,708, Cl. 365-189.040.
  - Matsui, Masataka; Iizuka, Tetsuya; Tsujimoto, Jun-ichi; Ohtani, Takayuki; and Isobe, Mitsuo, 4,813,022, Cl. 365-203.000.
  - Suzuki, Azuma; Ootani, Takayuki; and Isobe, Mitsuo, 4,879,686, Cl. 365-189.110.
- Isobe, Naoki: *See—*
  - Isobe, Atsushi; Isobe, Masahiko; and Isobe, Naoki, 4,799,310, Cl. 29-605.000.
- Isobe, Nobuyuki: *See—*
  - Matsuura, Ryo; Isobe, Nobuyuki; and Kase, Masao, 4,882,722, Cl. 369-75.200.
- Isobe, Noriyuki: *See—*
  - Nishihara, Yoshio; Isobe, Noriyuki; and Kotera, Satoshi, 4,808,659, Cl. 524-701.000.
- Isobe, Osamu: *See—*
  - Takase, Sadao; Takeda, Hitoshi; and Isobe, Osamu, 4,798,105, Cl. 74-866.000.
- Isobe, Ryosuke: *See—*
  - Ishiguro, Shu; and Isobe, Ryosuke, 4,835,049, Cl. 428-323.000.
  - Koyama, Noboru; Ishiguro, Shu; and Isobe, Ryosuke, 4,818,606, Cl. 428-323.000.
- Isobe, Shinichi; and Yamauchi, Takashi, to Fanuc Ltd. Image reader graphic input method. 4,802,083, 1-31-89, Cl. 364-191.000.
- Isobe, Shinichi; and Kagawa, Yoshimasa, to Fanuc Ltd. Positioning system. 4,855,657, 8-8-89, Cl. 318-602.000.
- Isobe, Shinichi; Miyata, Mitsuto; and Yamauchi, Takashi, to Fanuc Ltd. Numerical control system. 4,882,670, 11-21-89, Cl. 364-188.000.
- Isobe, Susumu: *See—*
  - Nishiyama, Yukio; Miyashita, Takuya; Noda, Toshiharu; and Isobe, Susumu, 4,849,168, Cl. 420-418.000.
  - Takagi, Yoshiaki; Isobe, Susumu; and Matsunaga, Kenkichi, 4,871,512, Cl. 420-448.000.
- Isobe, Tadaaki, to 501 Hitachi, Ltd. Storage control method and apparatus. 4,843,543, 6-27-89, Cl. 364-200.000.
- Isobe, Takuya: *See—*
  - Minamoto, Naoki; and Isobe, Takuya, 4,823,754, Cl. 123-470.000.
- Isobe, Tami: *See—*
  - Yokomori, Kiyoshi; and Isobe, Tami, 4,877,301, Cl. 350-96.190.
- Isobe, Tomohisa: *See—*
  - Murai, Takaaki; Watanabe, Shoji; Inoue, Kimio; Isobe, Tomohisa; Nakashima, Naoki; Miho, Takuya; and Ikemoto, Yoshiyuki, 4,835,213, Cl. 525-36.000.
- Isobe, Toshiaki; and Oba, Hidehiro, to Toyota Jidosha Kabushiki Kaisha. Karman vortex sensor type flow rate measuring system. 4,819,490, 4-11-89, Cl. 73-861.220.
- Isobe, Toshiaki; and Oba, Hidehiro, to Toyota Jidosha Kabushiki Kaisha. Karman vortex sensor type flow rate measuring system. 4,878,386, 11-7-89, Cl. 73-861.220.
- Isobe, Toshifumi: *See—*
  - Kishimoto, Tadao; Isobe, Toshifumi; Maruyama, Hiroyuki; and Yokobori, Jun, 4,806,973, Cl. 355-4.000.
  - Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, 4,849,829, Cl. 358-451.000.
  - Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, 4,878,110, Cl. 358-75.000.
  - Yamamoto, Hiroyuki; and Isobe, Toshifumi, 4,811,114, Cl. 358-280.000.
- Isobe, Toshimi: *See—*
  - Akabane, Hidemitsu; Isobe, Toshimi; and Hoshino, Seiichi, 4,834,283, Cl. 236-13.000.
  - Akabane, Hidemitsu; Isobe, Toshimi; and Hoshino, Seiichi, 4,840,308, Cl. 236-13.000.
  - Hoshino, Seiichi; Tamura, Yasuji; Akabane, Hidemitsu; and Isobe, Toshimi, 4,832,258, Cl. 236-13.000.
- Isobe, Yutaka: *See—*
  - Kido, Koichi; Shibayama, Kenji; Isobe, Yutaka; Tsuruta, Masahiko; and Yamada, Hiroshi, 4,811,122, Cl. 360-25.000.
  - Sunagawa, Makoto; Isobe, Yutaka; Takeuchi, Yutaka; Matsumura, Haruki; Ozaki, Yukio; and Noguchi, Tetsuo, 4,888,344, Cl. 514-210.000.
- Isobloc GmbH: *See—*
  - Aust, Aloys; Tiroux, Josef; and Weissenfels, Franz, 4,889,875, Cl. 521-123.000.
- Isoda, Noriyuki; and Okamoto, Yuji, to Topre Corporation. Key input circuit. 4,878,056, 10-31-89, Cl. 341-26.000.
- Isoda, Shigeo: *See—*
  - Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi; Gotoh, Tetsuya; and Horiguchi, Shiro, 4,839,005, Cl. 204-129.460.
- Isoda, Takeshi; and Arai, Mikiro, to Toa Nenryo Kogyo Kabushiki Kaisha. Method for producing silicon-imide. 4,795,622, 1-3-89, Cl. 423-324.000.
- Isoda, Takeshi: *See—*
  - Arai, Mikiro; Funayama, Osamu; Nishii, Hayato; and Isoda, Takeshi, 4,818,611, Cl. 428-364.000.
  - Arai, Mikiro; Isoda, Takeshi; and Itoh, Takuji, 4,840,778, Cl. 423-324.000.
  - Arai, Mikiro; Funayama, Osamu; Tashiro, Yuuji; and Isoda, Takeshi, 4,886,860, Cl. 525-474.000.
  - Funayama, Osamu; Arai, Mikiro; and Isoda, Takeshi, 4,861,569, Cl. 423-324.000.
  - Funayama, Osamu; Arai, Mikiro; Nishii, Hayato; and Isoda, Takeshi, 4,869,858, Cl. 264-65.000.
  - Kaya, Hiroshi; Tamura, Kozaburo; and Isoda, Takeshi, 4,833,107, Cl. 501-97.000.
- Isoe, Noboru; Mizumura, Tetsuo; and Wakai, Kunio, to Hitachi Maxell, Ltd. Magnetic recording medium. 4,826,739, 5-2-89, Cl. 428-695.000.
- Isoe, Noboru: *See—*
  - Wakai, Kunio; Niimi, Hideaki; and Isoe, Noboru, 4,855,175, Cl. 428-148.000.
- Isoform: *See—*
  - Deshet, Gabriel, 4,856,399, Cl. 83-685.000.
- Isogai, Hisao: *See—*
  - Mochizuki, Shogo; Isogai, Hisao; Ishikawa, Sadanori; and Mochizuki, Mitsuyoshi, 4,817,918, Cl. 266-87.000.
- Isogai, Mamoru: *See—*
  - Fukuda, Akio; Kaneko, Yasunori; Maki, Masao; and Isogai, Mamoru, 4,824,730, Cl. 428-447.000.
- Isogai, Masato: *See—*
  - Gunji, Yasuhiro; Okada, Sadayuki; Isogai, Masato; Kondo, Katsumi; Ibamoto, Masahiko; Kuwabara, Kazuhiro; and Kanke, Atsushi, 4,836,657, Cl. 350-350.00S.
- Isogai, Shunji, to Sugiyasu Industries Co., Ltd. System for lifting an automobile for repair thereof, having a device for fixing swing arms in horizontal positions. 4,825,977, 5-2-89, Cl. 187-8.470.
- Isogai, Shunji, to Sugiyasu Industries Co., Ltd. Mechanism for preventing a carriage of a system for lifting a vehicle for repair thereof from lowering. 4,856,618, 8-15-89, Cl. 187-8.500.
- Isogai, Toshiyuki: *See—*
  - Shirai, Noboru; and Isogai, Toshiyuki, 4,826,253, Cl. 301-37.0PB.
- Isogai, Yuji: *See—*
  - Yamatoh, Kouhei; Ogura, Masami; Kanbe, Katunori; and Isogai, Yuji, 4,854,424, Cl. 188-72.100.
- Isogawa, Wataru: *See—*
  - Uchida, Makoto; Kakuhari, Hiroyuki; Isogawa, Wataru; and Amano, Tadashi, 4,806,962, Cl. 354-324.000.
- Isoguchi, Seiichi; Murai, Yoshio; Takayama, Jun; and Nagaishi, Katsuya, to Konica Corporation. Still video camera with electronic shutter and flash. 4,881,127, 11-14-89, Cl. 358-213.190.
- Isoguchi, Seiichi: *See—*
  - Watanabe, Koji; Yagi, Michio; Isoguchi, Seiichi; Harada, Satoshi; and Fujita, Masami, 4,827,304, Cl. 354-435.000.
- Isohata, Junji; Totsuka, Masao; and Nakamura, Yoshiharu, to Canon Kabushiki Kaisha. Flat panel display device and manufacturing of the same. 4,814,830, 3-21-89, Cl. 355-54.000.
- Isohata, Junji; Matsushita, Koichi; Yamamoto, Hironori; Miyazaki, Makoto; Ozawa, Kunitaka; and Yoshinari, Hideki, to Canon Kabushiki Kaisha. Exposure apparatus. 4,864,360, 9-5-89, Cl. 355-53.000.
- Isohata, Junji; Totsuka, Masao; and Nakamura, Yoshiharu, to Canon Kabushiki Kaisha. Flat panel display device and manufacturing of the same. 4,878,086, 10-31-89, Cl. 355-77.000.
- Isohata, Shigeru; and Tsukakoshi, Masao, to AMP Incorporated. Electrical connector having a movable contact guide and lance-maintaining member. 4,797,116, 1-10-89, Cl. 439-141.000.
- Isoi, Syuzi: *See—*
  - Matsumaru, Shigeo; Mochizuki, Akihiro; and Isoi, Syuzi, 4,830,803, Cl. 264-135.000.
- Isoi, Toshihiro; Sato, Masakazu; and Takahashi, Shuji, to Honda Giken Kogyo Kabushiki Kaisha; and Honda Giken Kogyo Kabushiki Kaisa. Electrolyte feeder for battery. 4,833,047, 5-23-89, Cl. 429-72.000.
- Isoi, Toshimitsu: *See—*
  - Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
- Isola, Richard A., to Habitation. Bed clothes. 4,875,245, 10-24-89, Cl. 5-482.000.
- Isomae, Kuzuo: *See—*
  - Sato, Susumu; Honda, Haruyoshi; Koumoto, Teruo; Isomae, Kuzuo; Kuraishi, Tadayuki; and Katori, Tatsuhiko, 4,866,176, Cl. 544-262.000.
- Isomed, Inc.: *See—*
  - Hirshfield, Jay L.; and Nowik, Israel, 4,862,143, Cl. 340-572.000.
- Isomichi, Mituhiro: *See—*
  - Hirosawa, Takumi; Hirayama, Yuzo; Sagara, Keiki; Isomichi, Mituhiro; and Kumabe, Junichi, 4,826,898, Cl. 524-88.000.
- Isomura, Akihiko: *See—*
  - Iwata, Kouichi; Takahashi, Hideo; and Isomura, Akihiko, 4,822,615, Cl. 424-423.000.
  - Kato, Chiaki; Hatta, Toshiyuki; Isomura, Akihiko; Toyooka, Shinichi; and Nishi, Masaya, 4,844,953, Cl. 427-387.000.
- Isomura, Renichi: *See—*
  - Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,826,569, Cl. 162-102.000.
  - Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,874,495, Cl. 204-212.000.
- Isomura, Ryozo: *See—*
  - Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Isamu; Nakano, Kazuyuki; and Isomura, Ryozo, 4,824,373, Cl. 433-200.100.
- Isomura, Satoru: *See—*
  - Stein, Claude; Nagai, Hitoshi; Ueda, Akio; and Isomura, Satoru, 4,831,094, Cl. 526-283.000.
- Isomura, Shigenori: *See—*
  - Sano, Ryuichi; and Isomura, Shigenori, 4,875,443, Cl. 123-179.00G.

Isomura, Shohei: *See—*
  Arai, Shigeyoshi; Kamioka, Masatsugu; Ishikawa, Yo-ichi; Isomura, Shohei; and Sugita, Kyoko, 4,824,537, Cl. 204-157.220.
Isomura, Toru; Yamaji, Tomohiro; and Ikeda, Chikamasa, to Ikeda Bussan Co., Ltd. Programmable adjusting seat control apparatus. 4,853,687, 8-1-89, Cl. 340-825.300.
Isomura, Tsuneo: *See—*
  Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.
Isomura, Tuyos: *See—*
  Kubota, Mineo; and Isomura, Tuyos, 4,866,535, Cl. 358-474.000.
Isomura, Yoshihiro: *See—*
  Ukita, Hiroo; Katagiri, Yoshitada; Sawada, Renshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima, Tomoyuki; and Mise, Keisuke, 4,860,276, Cl. 369-119.000.
Isomura, Yukio, to Aisin Seiki Kabushiki Kaisha. Inside handle device for vehicle. 4,838,590, 6-13-89, Cl. 292-336.300.
Isomura, Yukio: *See—*
  Iwasaki, Eiji; and Isomura, Yukio, 4,842,312, Cl. 292-336.300.
  Ogasawara, Shinji; Isomura, Yukio; and Okudaira, Souichiro, 4,858,973, Cl. 292-347.000.
Isonaga, Eiji: *See—*
  Kawano, Minoru; Simizu, Katsumi; Isonaga, Eiji; and Kurata, Shigeo, 4,877,874, Cl. 540-606.000.
Isono, Hideki; Asanuma, Kazushi; Yokota, Takashi; and Terai, Kiyoshi, to Fujitsu Limited. Optical branching filter. 4,824,200, 4-25-89, Cl. 350-96.160.
Isono, Hiroyuki, to Tachikawa Spring Co., Ltd. Cushioning body of a seat for vehicles. 4,856,844, 8-15-89, Cl. 297-284.000.
Isono, Kazuaki: *See—*
  Tezuka, Tomofumi; and Isono, Kazuaki, 4,795,089, Cl. 236-49.000.
Isono, Keinosuke, to Terumo Kabushiki Kaisha. Connector for therapeutic tubing and medical solution bag device using the connector. 4,820,288, 4-11-89, Cl. 604-280.000.
Isono, Keinosuke: *See—*
  Suzuki, Tatsuo; and Isono, Keinosuke, 4,836,691, Cl. 383-80.000.
  Suzuki, Tatsuo; and Isono, Keinosuke, 4,872,553, Cl. 206-524.400.
Isono, Kesao: *See—*
  Hashiguchi, Toshihiko; Ikegami, Yoshie; and Isono, Kesao, 4,850,342, Cl. 128-6.000.
Isono, Koichi; Tomohisa, Kunio; Oka, Junichi; and Sakamoto, Takashi, to Dainippon Screen Mfg. Co., Ltd. Method and apparatus for jitter correction of a polygon mirror in an image recording apparatus. 4,872,065, 10-3-89, Cl. 358-494.000.
Isono, Koichi; and Sho, Ikuo, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for detecting presence or absence of photosensitive object at a prescribed position. 4,876,456, 10-24-89, Cl. 250-561.000.
Isono, Koji: *See—*
  Kajitani, Masahiko; Takeda, Kiyoshi; Isono, Koji; Hirose, Masumi; Matsubara, Kouji; and Shuda, Etsuji, 4,841,132, Cl. 235-472.000.
Isono, Masaaki: *See—*
  Nara, Toshihiko; Takahashi, Tastuhiko; Tanaka, Masakatsu; Maue, Yusho; Tanaka, Naoyuki; Isono, Masaaki; and Nakamura, Yozo, 4,846,309, Cl. 187-20.000.
Isono, Nobuyuki, to Aisin Seiki Kabushiki Kaisha. System for controlling automatic variable speed transmission. 4,829,435, 5-9-89, Cl. 364-424.100.
Isono, Osamu; Fukui, Toshimasa; Nishino, Tetsuo; Tachibana, Tetsuo; and Iwabuchi, Eisuke, to Fujitsu Limited. Header driven type packet switching system. 4,837,761, 6-6-89, Cl. 370-60.000.
Isono, Toru: *See—*
  Nishikawa, Masayuki; Miyazaki, Takeshi; Shigeki, Terumitsu; Mizutani, Satoshi; and Isono, Toru, 4,854,030, Cl. 29-510.000.
Isono, Yukihiro: *See—*
  Fukuoka, Hirotsugu; Kawakami, Kanji; Aihara, Makoto; Suda, Mitsuo; Takeshita, Kouji; and Isono, Yukihiro, 4,861,398, Cl. 156-64.000.
Isoo, Osamu: *See—*
  Hirose, Etsurou; Tsubaki, Toshio; Tokunaga, Takeshi; and Isoo, Osamu, 4,825,315, Cl. 360-97.010.
Isoreg Corporation: *See—*
  Rechsteiner, Emil B., 4,850,542, Cl. 242-7.070.
Isosport Verbundbauteile Ges.m.b.H.: *See—*
  Woltron, Herbert; and Schamesberger, Robert, 4,835,036, Cl. 428-192.000.
Isover Saint-Gobain: *See—*
  Bernard, Jean-Luc; and Serein, Etienne, 4,849,289, Cl. 428-404.000.
  Besne, Michel; and Guillot, Fernand, 4,818,221, Cl. 432-99.000.
  Bichot, Bernard; and Louis, Bernard, 4,830,808, Cl. 264-257.000.
  Bichot, Bernard; and Louis, Bernard, 4,879,444, Cl. 219-10.55A.
  Bihy, Lothar; Royar, Jurgen; Ruechel, Frank; and Stoyke, Reinhard, 4,866,905, Cl. 52-743.000.
  Demars, Yves; Szalata, Francois; and DeCoopman, Christian, 4,852,219, Cl. 19-305.000.
  Gest, Rene, 4,818,218, Cl. 431-158.000.
  Gest, Rene, 4,824,714, Cl. 428-156.000.
  Meunier, Jean-Paul, deceased; Matzen, Guy; Blanc, Denise; and Montarone, Maryse, 4,867,779, Cl. 71-62.000.
  Meunier, Jean-Paul, deceased, 4,879,172, Cl. 428-280.000.
  Rias, Jean-Claude, 4,799,350, Cl. 53-399.000.
  Rias, Jean-Claude, 4,821,491, Cl. 53-438.000.
Isovolta Osterreichische Isolierstoffwerke Aktiengesellschaft: *See—*
  Ondrejas, Johann; and Zitz, Friedrich, 4,855,182, Cl. 428-343.000.
  Petershofer, Georg; and Felzmann, Horst, 4,865,807, Cl. 428-161.000.
  Pflug, Guenther; and Petershofer, Georg, 4,800,111, Cl. 428-121.000.
Isowa Industry Co., Ltd.: *See—*
  Hayashi, Tamotsu; Takekawa, Ryoichi; and Watanabe, Hiroo, 4,814,038, Cl. 156-471.000.
  Ishiguri, Masaaki, 4,805,502, Cl. 83-332.000.
  Yagi, Toshimasa, 4,817,525, Cl. 101-219.000.
Isowa, Yoshikazu: *See—*
  Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,316, Cl. 546-214.000.
Isoyama, Eizo: *See—*
  Kato, Yutaka; Tsukamoto, Kenji; and Isoyama, Eizo, 4,828,937, Cl. 428-654.000.
  Kato, Yutaka; and Isoyama, Eizo, 4,860,565, Cl. 72-38.000.
Isoyama, Toyoshiro: *See—*
  Sawada, Shinichi; Matsushita, Tetsuya; and Isoyama, Toyoshiro, 4,877,549, Cl. 252-299.630.
Isozaki, Hideo: *See—*
  Mizutani, Tomoji; Isozaki, Hideo; Hirata, Makoto; and Fukushima, Hitoshi, 4,801,652, Cl. 525-240.000.
Isozaki, Hiroshi: *See—*
  Hanaya, Morimasa; Miura, Tsunemoto; Mamiya, Satoru; Isozaki, Hiroshi; and Miyajima, Kiyoshi, 4,838,751, Cl. 414-412.000.
Isozaki, Jeffrey: *See—*
  Christensen, Harold F.; Thomas, Jeffrey A.; Isozaki, Jeffrey; and Petolino, Joseph A., 4,852,100, Cl. 371-38.000.
Isozaki, Nariko: *See—*
  Ogi, Keiji; Kamitakahara, Atsushi; Sakamoto, Eiichi; and Isozaki, Nariko, 4,868,102, Cl. 430-598.000.
Isozaki, Shin; and Yagi, Michio, to Konishiroku Photo Industry Co., Ltd. Supporting structure for dual magnetic head. 4,807,070, 2-21-89, Cl. 360-104.000.
Isozaki, Tomoaki, to NEC Corporation. Sound synthesizing circuit. 4,805,508, 2-21-89, Cl. 84-1.010.
Isozaki, Yasuhito; Okano, Kazuyuki; and Hasegawa, You, to Matsushita Electric Industrial Co., Ltd. Method for making transparent conductive film. 4,888,210, 12-19-89, Cl. 427-126.300.
Isozaki, Yutaka: *See—*
  Torii, Shumpeita; and Isozaki, Yutaka, 4,835,941, Cl. 53-382.000.
Isozumi, Keisuke: *See—*
  Nakamura, Joji; Kubo, Kazuhiro; Ichikawa, Shunji; Takahashi, Hajime; Isozumi, Keisuke; and Yamada, Toyofumi, 4,824,842, Cl. 514-227.500.
Isozumi, Shuzo; Odahara, Kazuhiro; and Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Coaxial engine starter. 4,808,836, 2-28-89, Cl. 290-48.000.
Isozumi, Shuzo; and Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Engine starter motor. 4,868,407, 9-19-89, Cl. 290-48.000.
Isozumi, Shuzo: *See—*
  Morishita, Akira; and Isozumi, Shuzo, 4,825,095, Cl. 249-48.000.
Isozumi, Shuzoo; and Odawara, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Coaxial type starter. 4,800,766, 1-31-89, Cl. 74-7.00E.
Isozumi, Shuzoo; and Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Coaxial engine starter with hollow shaft clutch. 4,853,570, 8-1-89, Cl. 310-78.000.
Isozumi, Shuzoo; and Konishi, Keiichi, to Mitsubishi Denki Kabushiki Kaisha. Coaxial starter motor. 4,862,027, 8-29-89, Cl. 310-99.000.
Isozumi, Shuzoo; Odawara, Kazuhiro; and Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Disk commutator starter with one-piece cup-shaped case. 4,868,442, 9-19-89, Cl. 310-239.000.
Isozumi, Shuzoo, to Mitsubishi Denki Kabushiki Kaisha. Engine starter. 4,881,416, 11-21-89, Cl. 74-7.00A.
Isozumi, Shuzoo, to Mitsubishi Denki Kabushiki Kaisha. Electric motor with commutator directly molded on motor shaft and method of construction. 4,890,026, 12-26-89, Cl. 310-233.000.
Isozumi, Shuzoo: *See—*
  Morishita, Akira; Tanaka, Toshinori; and Isozumi, Shuzoo, 4,855,610, Cl. 290-48.000.
  Tanaka, Toshinori; Isozumi, Shuzoo; and Konishi, Keiichi, 4,886,306, Cl. 290-48.000.
ISPRA Israel Product Research Company Ltd.: *See—*
  Jacobson, Amnon; Goloub, Eli; and Sharony, Jacob, 4,847,596, Cl. 340-550.000.
ISPRA Israel Products Research Co. Ltd.: *See—*
  Jacobson, Amnon; Goloub, Eli; and Sharony, Jacob, 4,867,820, Cl. 156-101.000.
Israel Aircraft Industries Ltd.: *See—*
  Ablov, Boris; and Sabato, Moshe, 4,868,916, Cl. 340-970.000.
  Dravkin, David, 4,812,770, Cl. 328-67.000.
  Ladan, Uri; Karton, Boaz; and Klipper, Aron, 4,840,105, Cl. 89-1.130.
  Schnarch, Benjamin, 4,884,882, Cl. 350-634.000.
Israel, Benjamin, to Jardin, Inc. Solarium with muntinless exterior. 4,796,395, 1-10-89, Cl. 52-86.000.
Israel, Gary; Steenod, Wayne; and O'Mara, Richard C., to Avon Products, Inc. Cosmetic display. 4,884,680, 12-5-89, Cl. 206-44.110.
Israel, Gary; Nadzan III, Andrew; and Deierlein, William, to Avon Products, Inc. Method for means for making segmented cosmetic articles. 4,887,409, 12-19-89, Cl. 53-436.000.
Israel, Joseph: *See—*
  Suskind, Stuart P.; Martucci, Susan L. K.; and Israel, Joseph, 4,808,467, Cl. 428-284.000.

Israel, Mathieu: *See—*
  Malhoutre, Guy; Israel, Mathieu; and Gambier, Gerard, 4,818,474, Cl. 376-267.000.
Israel, Michael G.; Grozdits, George A.; and Moss, Ernest K., to Jim Walter Research Corp. Isocyanate-polyester polyol binder for manufacture of cellulosic composites. 4,833,182, 5-23-89, Cl. 524-14.000.
Israeli, Shaul: *See—*
  Rotem, Abraham; Silberg, Etan; and Israeli, Shaul, 4,835,691, Cl. 364-424.020.
Israel, Noah D. Trailer hitch. 4,802,686, 2-7-89, Cl. 280-477.000.
Issachar, David; Trumper, Jacob; and Abrashkin, Shmuel, to State of Israel, Atomic Energy Commission, Soreq Nuclear Research Center, The. Radionuclide generator. 4,876,073, 10-24-89, Cl. 423-2.000.
Issalene, Robert; and Lantrua, Jean-Francois. Surgical or dental instrument and cannulae for aspirating, cleaning, drying and illuminating. 4,872,837, 10-10-89, Cl. 433-29.000.
Issard, Gerard; and Boissonnet, Michel, to Wichard. Device for a screw connection between two pieces. 4,887,928, 12-19-89, Cl. 403-287.000.
Issell, Brian: *See—*
  Stevens, Paul; Houston, L. L.; Koths, Kirston E.; Issell, Brian; and Zimmerman, Robert, 4,863,726, Cl. 424-85.200.
Issenmann, Olivier, to Geoservices, Societe Anonyme. Apparatus and process for pyrolysis and analysis of samples containing organic matter. 4,798,805, 1-17-89, Cl. 436-157.000.
Isshiki, Kunihiko; Murakami, Takashi; and Susaki, Wataru, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser device. 4,815,082, 3-21-89, Cl. 372-45.000.
Isshiki, Minoru: *See—*
  Fushiki, Yasuo; Isshiki, Minoru; Nakano, Hiroshi; Oizumi, Masayuki; Shimomura, Masayoshi; and Imajo, Keiji, 4,803,115, Cl. 428-285.000.
Isshiki, Naotsugu, to Aisin Seiki Kabushiki Kaisha. Stirling cycle engine. 4,821,516, 4-18-89, Cl. 60-517.000.
Isshiki, Shigehiro: *See—*
  Sato, Akihiro; Yamada, Mitsuho; and Isshiki, Shigehiro, 4,826,472, Cl. 474-202.000.
Isshiki, Taizo: *See—*
  Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masato, 4,796,244, Cl. 369-38.000.
Isshiki, Tomiya; Yui, Tomoyuki; Abe, Mitsuo; Jono, Masahiro; and Uno, Hideo, to Mitsubishi Gas Chemical Company, Inc. Process for the production of 2,3,5-trimethylbenzoquinone. 4,828,762, 5-9-89, Cl. 260-396.00R.
Isshiki, Tomiya; Kijima, Yasuhiko; Ito, Akira; and Ishii, Kenji, to Mitsubishi Gas Chemical Company, Inc. Process for producing vinyl acetate. 4,843,170, 6-27-89, Cl. 560-261.000.
Issidorides, Costas H.; and Haddadin, Makhluf J., to Research Corporation. Novel process for the synthesis of quinoxaline and benzimidazole-N-oxides. 4,866,175, 9-12-89, Cl. 544-355.000.
Issledovatelski Centar "Tekom": *See—*
  Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., 4,828,217, Cl. 249-27.000.
Istac Incorporated: *See—*
  MacDoran, Peter F.; and Spitzmesser, Donovan J., 4,797,677, Cl. 342-352.000.
Istec Inc.: *See—*
  Leavitt, John N., 4,821,043, Cl. 343-765.000.
Istel, Erich; and Zimmermann, Franz. Process for the preparation of stabilized polyamides. 4,837,265, 6-6-89, Cl. 524-413.000.
Istituto Biochemico Italiano Giovanni Lorenzini S.p.A.: *See—*
  Valcavi, Umberto, 4,816,472, Cl. 514-428.000.
Istituto Biochimico Sperimentale Ibis S.P.A.: *See—*
  Comios, Sinos, 4,888,359, Cl. 514-569.000.
Istituto Biologico Chemioterapico ABC S.p.A.: *See—*
  Franzone, Jose S.; and De Vercelli, Sergio, 4,868,186, Cl. 514-265.000.
Istituto Gentili S.p.A.: *See—*
  Rosini, Sergio; and Fontanelli, Luciano, 4,814,326, Cl. 514-108.000.
Istituto Guido Donegani S.p.A.: *See—*
  Capizzi, Amedeo; Arsura, Emilio; and Spinelli, Pia, 4,879,837, Cl. 43-124.000.
  Colle, Roberto; Ratti, Giuseppina; Garavaglia, Carlo; and Mirenna, Luigi, 4,810,718, Cl. 514-383.000.
  Francalanci, Franco; Ricci, Marco; Cesti, Pietro; and Venturello, Carlo, 4,865,771, Cl. 562-567.000.
  Santi, Roberto; Cometti, Giuseppe; and Pagani, Anselmo, 4,812,592, Cl. 560-180.000.
Isuzu Motors Limited: *See—*
  Fukumoto, Takeshi; and Anzai, Kiyoshi, 4,805,755, Cl. 192-53.00F.
  Hatanaka, Kazuhiro, 4,884,407, Cl. 60-614.000.
  Hattori, Toshihiro; Ishihara, Masaki; Kasai, Hitoshi; and Asagi, Yasuyoshi, 4,843,555, Cl. 364-431.070.
  Hirako, Atsushi; and Sasa, Yuki, 4,865,175, Cl. 192-1.230.
  Inoue, Nobuaki, 4,850,238, Cl. 74-473.00R.
  Ishida, Shiro, 4,852,525, Cl. 123-256.000.
  Kawamura, Hideo; and Tamai, Katsuyuki, 4,798,257, Cl. 180-165.000.
  Kawamura, Hideo; and Tamai, Katsuyuki, 4,827,170, Cl. 310-156.000.
  Kawamura, Hideo; Tamai, Katsuyuki; Saito, Shigeki; and Yamanaka, Toshihiro, 4,833,887, Cl. 60-608.000.
  Kawamura, Hideo, 4,836,444, Cl. 237-2.00A.
  Kawamura, Hideo; and Matsuoka, Hiroshi, 4,838,235, Cl. 123-668.000.
  Kawamura, Hideo; and Matsuoka, Hiroshi, 4,848,291, Cl. 123-193.00P.
  Kawamura, Hideo, 4,858,825, Cl. 237-2.00A.
  Kawamura, Hideo; and Fukao, Tadashi, 4,864,174, Cl. 310-156.000.
  Kawamura, Hideo, 4,864,987, Cl. 123-193.0CP.
  Kawamura, Hideo, 4,871,113, Cl. 237-2.00A.
  Kawamura, Hideo, 4,878,347, Cl. 60-608.000.
  Kawamura, Hideo, 4,882,905, Cl. 60-608.000.
  Kawamura, Hideo, 4,884,406, Cl. 60-605.300.
  Kawamura, Hideo, 4,886,978, Cl. 290-52.000.
  Koga, Hidetaka; Kurosawa, Ikuo; Yamazaki, Atsushi; Takahashi, Kouji; Naoe, Fumihiro; Takemura, Motoi; and Kurotaki, Naoyuki, 4,862,769, Cl. 74-710.500.
  Koga, Hidetaka, 4,884,667, Cl. 192-3.550.
  Koshizawa, Toshifumi, 4,821,854, Cl. 192-0.072.
  Koshizawa, Toshifumi, 4,823,643, Cl. 74-866.000.
  Koshizawa, Toshifumi; and Matsukubo, Yoshihiro, 4,864,504, Cl. 364-426.020.
  Kuwahara, Toru, 4,843,906, Cl. 74-607.000.
  Okada, Masaki; and Kishishita, Keiji, 4,800,726, Cl. 60-614.000.
  Okada, Masaki, 4,836,445, Cl. 237-2.00A.
  Okada, Masaki, 4,843,822, Cl. 60-614.000.
  Okada, Masaki, 4,858,440, Cl. 60-614.000.
  Sasa, Naomichi, 4,801,178, Cl. 301-124.00H.
  Sasa, Naomichi, 4,807,939, Cl. 301-124.00H.
  Sekiyama, Shigeo, 4,872,434, Cl. 123-320.000.
  Sekiyama, Shigeo; and Okada, Masaki, 4,882,906, Cl. 60-624.000.
  Sugimura, Toshiya; and Yoshimura, Hiroshi, 4,843,915, Cl. 74-862.000.
  Tamai, Hidefumi, 4,807,135, Cl. 364-424.050.
  Yanagisawa, Naoki; and Sato, Yoshihiko, 4,799,465, Cl. 123-256.000.
  Yanagisawa, Naoki; Sato, Yoshihiko; and Sakurai, Noriyuki, 4,838,222, Cl. 123-263.000.
  Yokoe, Kyousuke; Yoshino, Masanori; Hokari, Osamu; and Date, Nobuo, 4,862,856, Cl. 123-519.000.
  Yoshimura, Hiroshi; and Iida, Youichi, 4,823,646, Cl. 74-866.000.
  Yoshimura, Hiroshi; Shirata, Akihiro; and Kuroyanagi, Junzo, 4,856,360, Cl. 74-335.000.
Iswandhi, Geoffrey I.: *See—*
  Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.
Ita, Noboru; and Mitsugi, Shigeru, to Panafacom Limited. Multiprocessor system having common memory. 4,803,618, 2-7-89, Cl. 364-200.000.
Itabashi, Keiji: *See—*
  Harada, Masashi; Miyazaki, Hiroshi; and Itabashi, Keiji, 4,861,571, Cl. 423-328.000.
Itabashi, Masamichi, to Fuji Photo Film Co., Ltd. Method for forming an image. 4,874,687, 10-17-89, Cl. 430-446.000.
Itabashi, Masao: *See—*
  Ishibashi, Akira; Mori, Yoshifumi; and Itabashi, Masao, 4,835,579, Cl. 357-4.000.
Itabashi, Satoshi; Shoji, Tatsumi; and Fukaya, Masaki, to Canon Kabushiki Kaisha. Photosensor array for image processing apparatus. 4,835,507, 5-30-89, Cl. 338-17.000.
Itabashi, Satoshi: *See—*
  Shimada, Tetsuya; Itabashi, Satoshi; and Hatanaka, Katsunori, 4,866,291, Cl. 250-578.000.
Itagaki, Hidenobu, to Mitsubishi Denki Kabushiki Kaisha. Method for interpolative extension of nuclear magnetic resonance image. 4,841,247, 6-20-89, Cl. 324-309.000.
Itagaki, Kazuo; Yanagihara, Toshimichi, deceased (by Yanagihara, Hiromi, legal representative); Maruzeni, Shouji; and Yasuda, Nozomi, to Asahi Denka Kogyo Kabushiki Kaisha. Hard butter. 4,844,940, 7-4-89, Cl. 426-607.000.
Itagaki, Kazuo: *See—*
  Yokobori, Hideo; Itagaki, Kazuo; Maruzeni, Shouji; and Yasuda, Nozomi, 4,847,105, Cl. 426-607.000.
Itagaki, Masanori: *See—*
  Izumi, Kouji; Itagaki, Masanori; Ohta, Eiichi; Okamoto, Hiroyuki; Ino, Masumitsu; and Equchi, Hirotoshi, 4,849,730, Cl. 338-2.000.
  Watanabe, Yoshio; Horiguchi, Hiroyuki; and Itagaki, Masanori, 4,805,032, Cl. 358-294.000.
Itagaki, Shuichi: *See—*
  Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,799,127, Cl. 361-321.000.
  Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,854,936, Cl. 29-570.100.
  Ono, Shuichi; Yahagi, Masahiro; Itagaki, Shuichi; and Kikuchi, Nobuaki, 4,861,736, Cl. 501-137.000.
  Ono, Shuichi; Itagaki, Shuichi; and Yahagi, Masahiro, 4,889,837, Cl. 501-139.000.
Itagaki, Takaharu; Shiraga, Mitsuaki; Sawayama, Shigeru; and Satoh, Kohichi, to Mitsubishi Chemical Industries Limited. Vinylamine copolymer, flocculating agent using the same, and process for preparing the same. 4,808,683, 2-28-89, Cl. 526-307.200.
Itagaki, Takaharu; Kusano, Hiroshi; Miyata, Eiji; and Tashiro, Takayuki, to Mitsubishi Chemical Industries Limited. Porous cross-linked polyvinyl alcohol particles, process for producing the same,

and separating agent composed of the same. 4,863,972, 9-5-89, Cl. 521-141.000.
Itagaki, Takaharu: *See*—
Kochi, Hiromi; Fukunaga, Kenji; Itagaki, Takaharu; and Ito, Tsuyoshi, 4,857,576, Cl. 524-409.000.
Itagaki, Takasi: *See*—
Ozu, Tokio; Itagaki, Takasi; and Fukuda, Sanemi, 4,831,489, Cl. 361-338.000.
Itagaki, Teruo; and Noro, Teruo, to Hitachi, Ltd. Error processing method and apparatus for information processing system. 4,800,563, 1-24-89, Cl. 371-13.000.
Itagaki, Yasuhiro: *See*—
Orui, Ryuzo; Itagaki, Yasuhiro; and Yamaguchi, Toshio, 4,855,644, Cl. 315-3.600.
Itahana, Hiroshi; Usui, Yoshinori; and Tsuboi, Takashi, to Hitachi, Ltd. Power semiconductors connected antiparallel via heatsinks. 4,864,385, 9-5-89, Cl. 357-82.000.
Itahana, Tsutomu; Ono, Tetsuo; and Sugimoto, Tamio, to Mitsubishi Jukogyo Kabushiki Kaisha. Capacity control device of scroll-type fluid compressor. 4,886,425, 12-12-89, Cl. 417-309.000.
Itai, Teruaki: *See*—
Okamoto, Kiyokazu; Amagai, Hideyuki; and Itai, Teruaki, 4,814,683, Cl. 318-800.000.
Itakura, Isao: *See*—
Ikeda, Akira; Nakayama, Shigeki; Ezaki, Kenji; Ishii, Toshitsugu; and Itakura, Isao, 4,817,332, Cl. 47-17.000.
Itakura, Masato, to Aisin Seiki Kabushiki Kaisha. Heat exchanger. 4,862,955, 9-5-89, Cl. 165-155.000.
Itakura, Ryosuke: *See*—
Kato, Eiichi; Ishii, Kazuo; Itakura, Ryosuke; and Sera, Hidefumi, 4,828,952, Cl. 430-87.000.
Kato, Eiichi; Ishii, Kazuo; and Itakura, Ryosuke, 4,871,638, Cl. 430-96.000.
Itakura Soki: *See*—
Itakura, Tsuyoshi; and Willinger, Allan H., 4,886,093, Cl. 137-855.000.
Itakura, Takeshi: *See*—
Hayashi, Yoshiaki; Itakura, Takeshi; Kato, Toyoji; and Koshidaka, Yukio, 4,877,141, Cl. 215-1.00C.
Itakura, Tomiya; and Kamifuji, Hiroshi, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Method of and apparatus for controlling engine revolution speed. 4,8[illegible],982, 11-14-89, Cl. 123-339.000.
Itakura, Toru, to Fuji Photo Film Co., Ltd. Light beam scanning apparatus. 4,886,967, 12-12-89, Cl. 250-327.200.
Itakura, Toru: *See*—
Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, 4,831,461, Cl. 358-296.000.
Itakura, Tsuyoshi; and Willinger, Allan H., to Itakura Soki; and Willinger Brothers, Inc. Vent valve of an air pump. 4,886,093, 12-12-89, Cl. 137-855.000.
Itakura, Yasao: *See*—
Kajiyama, Koichi; Saito, Kaoru; Nozue, Yasuhiro; Ito, Noritoshi; Wakabayashi, Osamu; Fujimoto, Junichi; Kowaka, Masahiko; and Itakura, Yasao, 4,829,536, Cl. 372-57.000.
Itakura, Yasuo: *See*—
Nozue, Yasuhiro; Kajiyama, Koichi; Saito, Kaoru; Wakabayashi, Osamu; Kowaka, Masahiko; and Itakura, Yasuo, 4,856,018, Cl. 372-98.000.
Ital Idee s.r.l. an Italian Limited Liability Company: *See*—
Cantoni, Angelo, 4,841,919, Cl. 123-25.00A.
Cantoni, Angelo, 4,885,082, Cl. 210-90.000.
ITALBONDER Spa: *See*—
Pedrazzini, Giuseppe, 4,808,244, Cl. 148-6.15Z.
Italiano, Anthony J., to MPC Technologies Co. Adjustable cable end coupling. 4,841,805, 6-27-89, Cl. 74-501.50R.
Italici, Rino, to Lucas International S.R.L. Unsinkable bag provided with flotation elements in the handles and bag compartments. 4,854,732, 8-8-89, Cl. 383-6.000.
Italimpianti S.p.A.: *See*—
Springer, Helmut A.; Schwab, Dieter R.; and Funghini, Augusto, 4,863,376, Cl. 432-122.000.
Italpres S.n.c. di Fregni Bruno & C.: *See*—
Venturi, Giancarlo; Bedogni, Carlo; and Fregni, Bruno, 4,862,882, Cl. 128-92.0VD.
Italtel Societa Italiana: *See*—
Lentini, Salvatore; and Patti, Giuseppe, 4,886,981, Cl. 307-87.000.
Italtel Societa Italiana Telecomunicazioni s.p.a: *See*—
Lentini, Salvatore; and Patti, Giuseppe, 4,841,161, Cl. 307-85.000.
Italtel Tecnomeccanica S.p.A.: *See*—
Cecchellero, Sergio; and Salvatore, Daniele, 4,835,358, Cl. 219-107.000.
Itami, Atsushi; Koyama, Kazuo; Matsuzu, Nobuhiko, and Watanabe, Takahito, to Nippon Steel Corporation. One-sided enamelable hot-rolled steel sheet and process for producing the same. 4,801,341, 1-31-89, Cl. 148-320.000.
Itami, Kazuo: *See*—
Iijima, Katsuhiko; and Itami, Kazuo, 4,799,564, Cl. 180-65.500.
Itami, Teruo: *See*—
Takeuchi, Hisaharu; and Itami, Teruo, 4,796,123, Cl. 360-10.100.
Takeuchi, Hisaharu; and Itami, Teruo, 4,851,934, Cl. 360-64.000.
Itami, Tsugio: *See*—
Inoue, Toshinobu; and Itami, Tsugio, 4,826,408, Cl. 418-60.000.
Itani, Akira: *See*—
Ohga, Akihito; and Itani, Akira, 4,886,654, Cl. 423-598.000.
Itani, Hikotaro: *See*—
Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenchi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumi; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.
Itani, Hiromichi: *See*—
Shiokawa, Youichi; Nagano, Masanobu; and Itani, Hiromichi, 4,831,041, Cl. 514-300.000.
Itano, Jiro: *See*—
Yamamoto, Koji; Nakajima, Akihisa; Sawada, Hiroshi; Shiragami, Noriteru; and Itano, Jiro, 4,856,048, Cl. 379-60.000.
Itao, Minoru: *See*—
Matsumoto, Masahiro; Watanabe, Akira; Ohhashi, Kazuo; and Itao, Minoru, 4,845,709, Cl. 370-86.000.
Itaro Horiuchi & Co., Ltd: *See*—
Kametani, Tetsuji; and Honda, Toshio, 4,874,551, Cl. 280-397.100.
Itaru Todoriki, Director-General, Agency of Industrial Science and Technology: *See*—
Nishiura, Yozo, 4,863,273, Cl. 356-350.000.
Itaru Todorok, Director-General of Agency of Industrial Science and Technology: *See*—
Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Tachitani, Masatoshi; and Nakajima, Ryoichi, 4,818,448, Cl. 264-29.200.
Itashiki, Masakazu: *See*—
Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.
Itaya, Hiroshi; and Saito, Goro, to Anritsu Corporation. Apparatus for analyzing transmission/reflection characteristics. 4,812,738, 3-14-89, Cl. 324-58.00B.
Itaya, Hiroshi; and Saito, Goro, to Anritsu Corporation. Display device for complex transmission reflection characteristics. 4,845,642, 7-4-89, Cl. 364-518.000.
Itaya, Hiroshi; and Kawauchi, Takehiko, to Anritsu Corporation. Group delay time measurement apparatus with automatic aperture value setting function. 4,845,691, 7-4-89, Cl. 368-120.000.
Itaya, Hiroshi: *See*—
Saito, Goro; and Itaya, Hiroshi, 4,802,106, Cl. 364-521.000.
Itaya, Hisao; Okada, Toshihiko; Hata, Morishige; Koike, Shunji; and Onishi, Takahiro, to Gunze Limited. Fabric inspecting method and appartus for detecting flaws. 4,853,776, 8-1-89, Cl. 356-106.000.
Itaya, Keiji; and Tamura, Makoto, to Kabushiki Kaisha Toshiba. Separating/guiding device for an electronic copying machine. 4,870,464, 9-26-89, Cl. 355-282.000.
Itaya, Keiji; and Kohayakawa, Hiromasa, to Kabushiki Kaisha Toshiba. Device for changing sheet shape before entry into fuser nip. 4,876,576, 10-24-89, Cl. 355-285.000.
Itaya, Keiji: *See*—
Kogure, Mitutosi; Nakamura, Yuka; Tamura, Makoto; and Itaya, Keiji, 4,801,968, Cl. 355-3.0FU.
Osawa, Shigenobu; and Itaya, Keiji, 4,857,958, Cl. 355-218.000.
Itaya, Masahiko; Fuma, Hiroshi; and Fujimori, Toshiro, to Konica Corporation. Electrostatic image-developing process using a magnetic roller. 4,822,711, 4-18-89, Cl. 430-120.000.
Itaya, Masahiko; Niitsuma, Tetsuya; and Okamoto, Syuzi, to Konishiroku Photo Industry Co., Ltd. Image forming method and apparatus. 4,843,425, 6-27-89, Cl. 355-261.000.
Itaya, Masahiko: *See*—
Fuma, Hiroshi; Itaya, Masahiko; and Fujimori, Toshiro, 4,814,819, Cl. 355-3.0DD.
Itaya, Takashi: *See*—
Kikuchi, Hiroshi; and Itaya, Takashi, 4,815,877, Cl. 400-616.100.
ITC, Incorporated: *See*—
McConnell, Dale; and Isenga, Steven R., 4,828,211, Cl. 248-311.200.
Itch, Kenji: *See*—
Tsujimoto, Shinichi; Amano, Kenichiro; and Itch, Kenji, 4,888,611, Cl. 354-475.000.
ITEC, Inc.: *See*—
Halbig, Walter A., 4,856,059, Cl. 379-412.000.
Itek Graphix Corp.: *See*—
Dodge, Dennis W., 4,837,589, Cl. 346-108.000.
Lein, Juergen; Brookmire, Michael; Powers, Robert; and Hotaling, Joel, 4,814,832, Cl. 355-73.000.
Robbins, Daniel H., 4,842,211, Cl. 242-71.100.
Robbins, Daniel H., 4,885,606, Cl. 355-73.000.
Itemadani, Eiji; Murakami, Shuichi; and Mori, Kazuhiro, to Matsushita Electric Industrial Co., Ltd. Method for fabricating electronic circuit board. 4,825,536, 5-2-89, Cl. 29-620.000.
Itemadani, Eiji: *See*—
Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, 4,815,913, Cl. 414-225.000.
Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, 4,837,752, Cl. 250-578.000.
Maruyama, Masahiro; Mori, Kazuhiro; Itemadani, Eiji; and Hasegawa, Mikio, 4,807,356, Cl. 29-740.000.
Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Iritani, Masao, 4,809,430, Cl. 29-834.000.
Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Uchida, Yoshihisa, 4,868,977, Cl. 29-823.000.
Iten, Clemens A., to American Safety Razor Company. Platform handle and shield for safety razor. 4,833,779, 5-30-89, Cl. 30-47.000.
Iten, Clemens A., to American Safety Razor Company. Integrally backed single-edge razor blade. 4,858,323, 8-22-89, Cl. 30-346.600.

Iten Industries: *See*—
Huggins, Peter D., 4,810,228, Cl. 446-418.000.
Iten, Peter, to Baumann & Cie AG. Spring clutch with engageable first and second helical clutch springs. 4,817,771, 4-4-89, Cl. 192-16.000.
Iten, Thomas, to Schenk & Co. Laminated piezoelectric keyboard. 4,857,887, 8-15-89, Cl. 341-34.000.
Itgenshorst, Dieter: *See*—
Moser, Manfred; Itgenshorst, Dieter; and Kutz, Johannes, 4,872,325, Cl. 68-200.000.
ITI, Inc.: *See*—
Sanders, William J., 4,858,617, Cl. 128-696.000.
Itron, Inc.: *See*—
Fowler, Robert Z., 4,807,835, Cl. 244-166.000.
ITI CCM Impianti Tecnici Industriale SpA: *See*—
Cicin-Sain, Ivo, 4,846,282, Cl. 171-16.000.
Itoh, Hidetoshi; and Kozasa, Yoshihisa, to Kabushiki Kaisha Toshiba. Method and apparatus for supporting cathode-ray tube panel. 4,820,227, 4-11-89, Cl. 445-66.000.
Itil, Turan M.; Shapiro, Donald M.; Eralp, Emin; and Johansson, Nils E., to HZI Research Center Inc. Enhanced electrode headset. 4,800,888, 1-31-89, Cl. 128-644.000.
Itkis, Boris, to Yuri Itkis. Concurrent game network. 4,856,787, 8-15-89, Cl. 273-237.000.
ITLA Corporation: *See*—
Suzuki, Katsumi; and Yang, Woo S., 4,881,917, Cl. 446-468.000.
ITM Industrial Technology & Machines AG: *See*—
Tuma, Martin, 4,843,748, Cl. 42-70.080.
Tuma, Martin, 4,876,813, Cl. 42-50.000.
Ito, Akashi: *See*—
Wachi, Shigeaki; Ito, Akashi; and Yoshii, Fumihiko, 4,820,940, Cl. 307-270.000.
Ito, Akihiko: *See*—
Iwaki, Minoru; Sato, Yuzuru; and Ito, Akihiko, 4,850,676, Cl. [illegible]-132.000.
Ito, Akihiro: *See*—
Ito, Shosiro; Ito, Akihiro; and Ito, Hiroyasu, 4,859,077, Cl. 374-33.000.
Nakatani, Yukio; Ito, Akihiro; and Sakai, Takashi, 4,839,742, Cl. 358-296.000.
Ito, Akinori: *See*—
Kameda, Soetsu; and Ito, Akinori, 4,795,860, Cl. 200-5.00B.
Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, to Hitachi Ltd.; and Kansai Electric Power Co., Inc., The. Protecting apparatus for secondary excitation type variable speed AC generator/motor. 4,812,729, 3-14-89, Cl. 318-732.000.
Ito, Akio; and Kato, Hiroshi, to Pilot Ink Co., Ltd. Synthetic resin pen unit. 4,840,509, 6-20-89, Cl. 401-198.000.
Ito, Akio, to Jeco Company Limited. Servo type accelerometer. 4,856,333, 8-15-89, Cl. 73-517.00B.
Ito, Akio: *See*—
Tamura, Toru; Sunohara, Masaaki; Ito, Akio; and Nakatani, Yoshio, 4,849,151, Cl. 264-294.000.
Ito, Akira, to Fujitsu Limited. Barrel shifter. 4,829,460, 5-9-89, Cl. 364-715.080.
Ito, Akira: *See*—
Ishiki, Tomiya; K. ma, Yasuhiko; Ito, Akira; and Ishii, Kenji, 4,843,170, Cl. 560-261.000.
Ito, Akitoshi: *See*—
Sakano, Hajime; Ito, Akitoshi; and Yano, Motoichi, 4,835,215, Cl. 525-71.000.
Ito, Atsushi: *See*—
Kumazawa, Satoru; Ito, Atsushi; Sato, Nobuo; Saishoji, Toshihide; Hamada, Masahiro; Yamazaki, Shiro; and Enari, Hiroyuki, 4,863,505, Cl. 71-92.000.
Murakami, Tokumichi; Nishida, Masami; and Ito, Atsushi, 4,878,230, Cl. 375-27.000.
Ito, Daisuke, to Kabushiki Kaisha Toshiba. Superconducting coil apparatus. 4,809,954, 2-28-89, Cl. 335-216.000.
Ito, Eiichi: *See*—
Ishikawa, Muneharu; Akiyama, Kouichi; Ito, Eiichi; Kawamura, Masanori; and Fujita, Akihiro, 4,830,494, Cl. 356-336.000.
Ito, Eiji, to Alps Electric Co., Ltd. Rotary encoder. 4,806,837, 2-21-89, Cl. 318-653.000.
Ito, Eiji, to Toyota Jidosha Kabushiki Kaisha. Crankshaft for a 90 degree V-type eight-cylinder internal combustion engine. 4,833,940, 5-30-89, Cl. 74-595.000.
Ito, Eiji: *See*—
Yamada, Minoru; Ito, Eiji; Miyama, Kenji; Sawamura, Masataka; Hoshino, Yasushi; and Makino, Masamori, 4,841,323, Cl. 354-400.000.
Ito, Fukefumi: *See*—
Hayashi, Masanori; and Ito, Fukefumi, 4,826,702, Cl. 426-589.000.
Ito, Fumihiro: *See*—
Fukuzawa, Keiji; Ito, Fumihiro; Kajikuri, Junichi; and Tsurumaru, Shinobu, 4,827,276, Cl. 343-778.000.
Ito, Fumitaka: *See*—
Kitaura, Yoshihiko; Ito, Fumitaka; Stevens, Rodney W.; and Asai, Nobuko, 4,835,166, Cl. 514-339.000.
Ito, Haremi: *See*—
Ihara, Masahiro; Suzuki, Kazuo; Maekawa, Hideya; Ito, Haremi; and Tanaka, Kenichi, 4,861,626, Cl. 427-133.000.
Ito, Haruhiko; Shibata, Yoshio; and Banzai, Masato, to Mitsubishi Denki Kabushiki Kaisha. Wire electrode for wire-cut electrical discharge machining. 4,806,721, 2-21-89, Cl. 219-69.00W.
Ito, Haruhiko; Shibata, Yoshio; Banzai, Masato; and Yatomi, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Wire electrode for wire-cut electrical discharge machining. 4,839,487, 6-13-89, Cl. 219-69.120.
Ito, Haruyuki; and Matsumoto, Akio, to Toto Ltd. Method of making mold used in slip casting process. 4,818,457, 4-4-89, Cl. 264-130.000.
Ito, Haruyuki; and Matsumoto, Akio, to Toto Ltd. Method of making mold used in pressure slip casting. 4,830,802, 5-16-89, Cl. 264-135.000.
Ito, Haruyuki; and Matsumoto, Akio, to Toto Ltd. Method of making mold used in pressure slip casting. 4,844,853, 7-4-89, Cl. 264-225.000.
Ito, Haruyuki; and Matsumoto, Akio, to Toto Ltd. Porous mold for pressure slip casting. 4,874,304, 10-17-89, Cl. 425-84.000.
Ito, Haruyuki; and Matsumoto, Akio, to Toto Ltd. Mold used in pressure casting ceramic articles. 4,884,959, 12-5-89, Cl. 425-84.000.
Ito, Haruyuki: *See*—
Sato, Kimiteru; and Ito, Haruyuki, 4,798,525, Cl. 425-84.000.
Sato, Kimiteru; and Ito, Haruyuki, 4,832,890, Cl. 264-87.000.
Ito, Hayami: *See*—
Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.
Ito, Hideji; Kametaka, Koji; and Tsumori, Yukihisa, to NTN Toyo Bearing Co., Ltd. Conducting rolling bearing. 4,856,916, 8-15-89, Cl. 384-477.000.
Ito, Hidekuni; and Kondo, Heihati, to Kabushiki Kaisha Showa Seisakusho. Valve structure for hydraulic damper. 4,819,773, 4-11-89, Cl. 188-322.150.
Ito, Hidekuni: *See*—
Kawamura, Sadao; Iwashita, Kanau; Fuse, Tomeo; Kawahara, Shuichi; Sataka, Naoyuki; and Ito, Hidekuni, 4,834,223, Cl. 188-282.000.
Ito, Hideo, to Olympus Optical Co. Ltd. Endoscope guide tube. 4,807,593, 2-28-89, Cl. 128-4.000.
Ito, Hideo, to Minolta Camera Kabushiki Kaisha. Copying machine capable of producing a copy with a filing margin. 4,819,029, 4-4-89, Cl. 355-7.000.
Ito, Hideo, to Shiroki Kinzoku Kogyo Kabushiki Kaisha. Theft prevention device for automobiles. 4,831,356, 5-16-89, Cl. 340-426.000.
Ito, Hideo: *See*—
Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawagoe, Kenji, 4,828,065, Cl. 180-142.000.
Kato, Akio; Hamano, Hiroaki; and Ito, Hideo, 4,882,604, Cl. 355-201.000.
Kawagoe, Kenji; Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawabata, Kazunobu, 4,827,416, Cl. 364-424.050.
Sakata, Tetshin; Kuzuu, Kazuto; Ito, Hideo; and Oouchi, Akira, 4,819,980, Cl. 296-35.100.
Ito, Hidetoshi, to Mikado Metal Industry Co., Ltd. Index head. 4,803,765, 2-14-89, Cl. 29-48.50R.
Ito, Hiroaki: *See*—
Igarashi, Ichiro; Ito, Hiroaki; and Nishimura, Kazuhiko, 4,887,647, Cl. 138-126.000.
Ito, Hirofumi: *See*—
Yamaguchi, Shogo; Araki, Kazunori; Tazuke, Hisashi; Murasaki, Masayuki; and Ito, Hirofumi, 4,856,563, Cl. 141-1.000.
Ito, Hirokazu: *See*—
Funato, Ryo; Kubo, Shinji; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,849,495, Cl. 528-194.000.
Kubo, Shinji; Funato, Ryo; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,866,158, Cl. 528-272.000.
Ito, Hiroki, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for forming a thin film. 4,799,454, 1-24-89, Cl. 118-723.000.
Ito, Hiroki: *See*—
Ikeda, Kenichi; Yamamoto, Shouichi; and Ito, Hiroki, 4,818,387, Cl. 210-490.000.
Ito, Hiromasa: *See*—
Inaba, Fumio; Ito, Hiromasa; Onodera, Noriaki; and Mizuyoshi, Akira, 4,797,890, Cl. 372-46.000.
Ito, Hiromichi: *See*—
Shuto, Satoshi; Ito, Hiromichi; Fukukawa, Kiyofumi; Sakakibara, Hideo; and Tsujino, Masatoshi, 4,797,479, Cl. 536-27.000.
Ito, Hiroo, to Kabushiki Kaisha Serutekuno. Process for producing open-cell polyethylene foam materials and the resultant product. 4,877,814, 10-31-89, Cl. 521-79.000.
Ito, Hiroshi; Nagao, Terumi; Takeda, Toshiki; Maruyama, Yohikuni; and Kanno, Toshitake, to Honda Giken Kogyo Kabushiki Kaisha. Method of casting a composite metal article. 4,809,762, 3-7-89, Cl. 164-9.000.
Ito, Hiroshi: *See*—
Hishinuma, Yasuo; and Ito, Hiroshi, 4,796,661, Cl. 137-487.500.
Kano, Yukio; Yoshikawa, Kuniyuki; Kishida, Hideaki; Ito, Hiroshi; and Maeda, Mitsutoshi, 4,839,525, Cl. 2[illegible]-560.000.
Kashihara, Yuji; Tage, Yutaka; Nakamura, Yasunari; Ito, Hiroshi; and Takahashi, Tokuyuki, 4,840,247, Cl. [illegible]-249.000.
Kawamura, Takao; Miyamoto, Naoki; Ito, Hiroshi; Takemura, Hitoshi; Ohkawa, Kazumasa; and Ishibitsu, Kokichi, 4,882,252, Cl. 430-58.000.
Shimazu, Hideaki; Ito, Hiroshi; and Yamakoshi, Kenichi, 4,875,488, Cl. 128-694.000.
Shindo, Yoshio; and Ito, Hiroshi, 4,831,892, Cl. 74-740.000.
Takeda, Takao; Yamazaki, Hitoshi; Taniguchi, Yoshiteru; Tanaka, Norihiko; Ito, Hiroshi; Uchida, Minoru; and Imai, Jun, 4,840,593, Cl. 445-26.000.
Tsubakimoto, Tsuneo; Tahara, Hideyuki; Kobayashi, Hiroya; Hirata, Tsuyoshi; and Ito, Hiroshi, 4,870,120, Cl. 524-5.000.

  - Tsuji, Shiro; Naya, Eizo; Yamanaka, Takashi; Usui, Yoshihiro; Ito, Hiroshi; and Hasebe, Noriyuki, 4,827,289, Cl. 346-76.0PH.
- Ito, Hiroyasu: *See—*
  - Furuhashi, Kenshi; Ito, Hiroyasu; and Enari, Nobuyuki, 4,855,542, Cl. 200-61.270.
  - Ito, Shoziro; Ito, Akihiro; and Ito, Hiroyasu, 4,859,077, Cl. 374-33.000.
- Ito, Hisao; Nobue, Mamoru; Nishihara, Yoshio; and Suzuki, Teiichi, to Fuji Xerox Co., Ltd. Manuscript reading device. 4,819,082, 4-4-89, Cl. 358-294.000.
- Ito, Hisao: *See—*
  - Nobue, Mamoru; Ozawa, Takashi; Ito, Hisao; and Nishihara, Yoshio, 4,802,012, Cl. 358-213.180.
- Ito, Hisashi; and Sonoda, Tomiya, to Kabushiki Kaisha Toshiba. Information recording disk provided with distinguishing mark. 4,814,928, 3-21-89, Cl. 360-135.000.
- Ito, Hitoshi: *See—*
  - Kondo, Yozo; Mori, Mitsuhiro; Sato, Morihiko; Chikusa, Toshikazu; and Ito, Hitoshi, 4,804,726, Cl. 526-124.000.
  - Narita, Ryoichi; Sonobe, Toshio; Ito, Hitoshi; Ishikawa, Junji; Takenaka, Osamu; and Sugiura, Junji, 4,812,897, Cl. 357-72.000.
- Ito, Iko; Toyoshima, Yoshiki; Takagishi, Hisao; and Takahashi, Tsutomu, to Sumitomo Chemical Company, Limited. Process of producing glycidyl ethers of monohydric or polyhydric phenols. 4,876,371, 10-24-89, Cl. 549-517.000.
- Ito, Junichi: *See—*
  - Nakamura, Itsuro; Sato, Yoshiaki; and Ito, Junichi, 4,863,795, Cl. 428-329.000.
- Ito, Kanehiro: *See—*
  - Ito, Shunji; Ito, Kanehiro; Kogiso, Takashi; and Kurachi, Yoshio, 4,858,746 Cl. 198-465.400.
- Ito, Katsumi: *See—*
  - Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, 4,816,466, Cl. 314-319.000.
  - Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, 4,871,842, Cl. 540-523.000.
- Ito, Katsunori: *See—*
  - Ina, Katsuhiro; Hirabayashi, Yuji; Minami, Kazuaki; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,843,557, Cl. 364-431.770.
  - Minami, Kazuaki; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,825,362, Cl. 364-200.000.
  - Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.
  - Sato, Yoshihisa; Hirabayashi, Yuji; Akiyama, Susumu; Ito, Katsunori; and Saito, Takao, 4,864,568, Cl. 371-8.200.
- Ito, Katsuo; Kinoshita, Kazunori; and Tsuji, Kazuhiro, to Murata Manufacturing Co., Ltd. Electrical shielding case. 4,816,613, 3-28-89, Cl. 174-35.00R.
- Ito, Katsuo; Sawabe, Toichiro; and Maeda, Youji, to Murata Manufacturing Co., Ltd. Connecting structure of diodes. 4,870,701, 9-26-89, Cl. 455-326.000.
- Ito, Kazuhiko, to Canon Kabushiki Kaisha. Image reproducing apparatus. 4,802,015, 1-31-89, Cl. 358-310.000.
- Ito, Kazuhiko, to Mitsubishi Denki Kabushiki Kaisha. Method of producing a Schottky gate field effect transistor. 4,843,024, 6-27-89, Cl. 437-41.000.
- Ito, Kazuhiko: *See—*
  - Yamagata, Shigeo; Takei, Masahiro; Takayama, Tadashi; and Ito, Kazuhiko, 4,872,066, Cl. 358-336.000.
- Ito, Kazuhiro: *See—*
  - Ouchi, Hirobumi; Fujiwara, Ichiro; Matsuda, Hiroshi; Ito, Kazuhiro; and Nagatsuma, Kazuyuki, 4,816,890, Cl. 357-30.000.
  - Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.
- Ito, Kazuhito: *See—*
  - Hayashi, Tsutomu; Ito, Kazuhito; Yoshida, Yoshihiro; and Saito, Mitsuru, 4,845,951, Cl. 60-488.000.
- Ito, Kazuo: *See—*
  - Nagasawa, Hikoshi; Ito, Kazuo; Horii, Shigeru; and Tanoshima, Katsuhide, 4,799,271, Cl. 382-40.000.
  - White, Robert L.; Highton, Frederick J.; Ito, Kazuo; and Miller, Gary L., 4,800,365, Cl. 341-119.000.
- Ito, Keizo: *See—*
  - Hosokawa, Takeshi; Yabuya, Shigeru; Ito, Keizo; Nagano, Akiyoshi; Yoshimi, Takaharu; and Sakaida, Shoji, 4,816,313, Cl. 428-90.000.
  - Iemura, Ryuichi; Hori, Manabu; Ohtaka, Hiroshi; Sukamoto, Takayuki; Hara, Hideaki; and Ito, Keizo, 4,877,790, Cl. 514-260.000.
  - Ohtaka, Hiroshi; Yoshida, Kenji; Suzuki, Kenji; Shimohara, Koichi; Tajima, Sigeru; and Ito, Keizo, 4,797,400, Cl. 514-255.000.
- Ito, Keu; and Yasuno, Yoshiki, to Nissan Motor Company, Limited. Automotive yaw-sensitive brake control system. 4,809,181, 2-28-89, Cl. 364-426.010.
- Ito, Ken; and Kawabe, Taketoshi, to Nissan Motor Company, Ltd. System and method for controlling a steering reaction force imposed on a steering wheel. 4,830,127, 5-16-89, Cl. 180-79.100.
- Ito, Ken; and Inoue, Naohiko, to Nissan Motor Co., Ltd. Steering angle control system for wheeled vehicle. 4,834,204, 5-30-89, Cl. 180-140.000.
- Ito, Ken; and Kawabe, Taketoshi, to Nissan Motor Company, Limited. Vehicle motion estimating system of hybrid type. 4,872,116, 10-3-89, Cl. 364-424.050.
- Ito, Ken: *See—*
  - Kawabe, Taketoshi; and Ito, Ken, 4,840,389, Cl. 280-91.000.
  - Kuroki, Junsuke; Takahashi, Tohru; and Ito, Ken, 4,796,911, Cl. 280-689.000.
- Ito, Kenichiro; Nojiri, Hiromi; and Adachi, Kenro, to NTN Toyo Bearing Co., Ltd. Reversible self-locking clutch. 4,852,707, 8-1-89, Cl. 192-44.000.
- Ito, Kenji; and Kurokawa, Ikuji, to Yamaha Corp. Laminated FRP sound bar for percussive musical instruments. 4,805,513, 2-21-89, Cl. 84-402.000.
- Ito, Kenji; and Kimura, Kaoru, to Toagosei Chemical Industry Co., Ltd. Primer composition useful for application to non-polar on highly crystalline resin substrates. 4,822,426, 4-18-89, Cl. 106-189.000.
- Ito, Kenji, to Kabushiki Kaisha Toshiba. Digital servo system for motor driven apparatus. 4,827,201, 5-2-89, Cl. 318-603.000.
- Ito, Kenji: *See—*
  - Hayashi, Shigenori; Hirose, Naoki; Inujima, Takashi; and Ito, Kenji, 4,803,095, Cl. 427-54.100.
  - Hiraiwa, Akihiko; Ito, Kenji; and Kimura, Kaoru, 4,818,325, Cl. 156-315.000.
- Ito, Kentaro, to Honda Giken Kogyo Kabushiki Kaisha. Indicator mounting structure. 4,807,919, 2-28-89, Cl. 296-37.100.
- Ito, Kenzi: *See—*
  - Nakanishi, Nobuyasu; Noguchi, Noboru; Aizawa, Hideyuki; and Ito, Kenzi, 4,797,612, Cl. 324-173.000.
- Ito, Kenzo: *See—*
  - Takanabe, Kazunori; Yamamoto, Masaki; Ito, Kenzo; and Fujinami, Hiroshi, 4,890,104, Cl. 340-995.000.
  - Yamada, Takeshi; Fujimoto, Hidetoshi; Ito, Kenzo; and Hanabusa Kazunori, 4,812,980, Cl. 364-449.000.
- Ito, Kimiyuki: *See—*
  - Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.
  - Ueda, Hideaki; Sakamoto, Mitsutoshi; and Ito, Kimiyuki, 4,865,934, Cl. 430-59.000.
- Ito, Kiyoshi: *See—*
  - Matsui, Kenji; Numata, Toshi; Ueda, Yukinori; Ogawa, Tomohisa; and Ito, Kiyoshi, 4,821,015, Cl. 338-175.000.
- Ito, Kiyotaka: *See—*
  - Takasugi, Hisashi; Ito, Kiyotaka; Nishino, Shigetaka; Tanaka Akito; and Takaya, Takao, 4,822,805, Cl. 514-341.000.
  - Takaya, Takao; Murata, Masayoshi; and Ito, Kiyotaka, 4,824,851, Cl. 514-274.000.
- Ito, Koichi, to NEC Corporation. Input/output buffer system. 4,839,791, 6-13-89, Cl. 364-200.000.
- Ito, Koichi: *See—*
  - Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,803,243, Cl. 525-100.000.
  - Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,864,003, Cl. 525-288.000.
  - Murata, Yoshitoshi; Yoshizawa, Kazuhiro; Yotsutani, Akio; and Ito, Koichi, 4,802,200, Cl. 379-61.000.
  - Sano, Konosuke; Ito, Koichi; Miwa, Kiyoshi; and Nakamori, Shigeru, 4,861,722, Cl. 435-252.320.
  - Yoshizawa, Kazuhiro; Yotsutani, Akio; Saegusa, Noboru; Ito, Koichi; Huse, Syozi; and Toki, Akio, 4,802,201, Cl. 379-62.000.
- Ito, Koji: *See—*
  - Kato, Masahiko; Katou, Masanori; Kuwakado, Satoshi; Tanaka Katsuyuki; and Ito, Koji, 4,805,733, Cl. 181-206.000.
- Ito, Kouji; and Hashimoto, Kaoru, to Minolta Camera Kabushiki Kaisha. Exposure control device of copying machine. 4,831,418, 5-16-89, Cl. 355-69.000.
- Ito, Kouji, to Minolta Camera Kabushiki Kaisha. Developing apparatus. 4,864,349, 9-5-89, Cl. 355-253.000.
- Ito, Kunihiko, to Tachi-S Co., Ltd. Automotive seat with heating device. 4,813.738, 3-21-89, Cl. 297-180.000.
- Ito, Kuninori: *See—*
  - Horiki, Seinosuke; Makino, Reiji; Ito, Kuninori; and Unno, Tetuji, 4,868,045, Cl. 428-314.400.
- Ito, Kunio: *See—*
  - Morita, Shizuo; Hayakawa, Kazushi; Ito, Kunio; Matsuo, Shunji; Fukuchi, Masakazu; and Hatakeyama, Noboru, 4,878,091, Cl. 355-260.000.
- Ito, Makoto: *See—*
  - Noto, Hiroshi; Hayashiua, Nobuyuki; Kojima, Taketoshi; Ito, Makoto; and Kambayashi, Osamu, 4,885,580, Cl. 341-23.000.
- Ito, Masaaki; Ueda, Nobuo; and Fujita, Masafumi, to Minolta Camera Kabushiki Kaisha. Film image projecting apparatus for handling a roll film containing a plurality of rows of frames. 4,825,243, 4-25-89, Cl. 355-41.000.
- Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, to Tokyo Electric Power Co., Inc., The; and Mitsubishi Denki Kabushiki Kaisha. System for detecting underground objects. 4,839,654, 6-13-89, Cl. 342-22.000.
- Ito, Masaaki: *See—*
  - Ando, Minato; Ito, Masaaki; and Mizuno, Fumio, 4,866,016, Cl. 501-134.000.
  - Watanabe, Yutaka; Ito, Masaaki; and Kusano, Hideaki, 4,864,417, Cl. 358-296.000.
- Ito, Masahiko; Maetani, Masami; Murata, Shinji; and Onuki, Kazuhiko, to Canon Kabushiki Kaisha. Reader printer. 4,800,413, 1-24-89, Cl. 355-45.000.

- Ito, Masahiko: *See—*
  - Onuki, Kazuhiko; Maetani, Masami; Ito, Masahiko; and Murata, Shinji, 4,879,572, Cl. 355-45.000.
  - Takagi, Kazunori; and Ito, Masahiko, 4,856,065, Cl. 381-28.000.
  - Yoshioka, Kiyoharu; and Ito, Masahiko, 4,817,886, Cl. 242-192.000.
- Ito, Masahiro: *See—*
  - Sakimori, Hideharu; Komatsu, Yoji; Ito, Masahiro; and Ohkuma, Nobuyoshi, 4,887,341, Cl. 29-156.40R.
- Ito, Masami: *See—*
  - Matsui, Takayuki; Okuyama, Toshiaki; Matsutake, Mitsugu; Takahashi, Junichi; and Ito, Masami, 4,884,184, Cl. 363-46.000.
  - Otomo, Kikuo; Yamagushi, Masashi; Ito, Masami; and Tokunaga, Hiroki, 4,798,913, Cl. 570-211.000.
- Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, to Kabushiki Kaisha Toshiba; and Tokyo Electric Power Co., Inc., The. High temperature combustion catalyst and method for producing the same. 4,857,499, 8-15-89, Cl. 502-326.000.
- Ito, Masamichi: *See—*
  - Ichikawa, Atsushi; Ito, Masamichi; and Saito, Akira, 4,838,649, Cl. 350-247.000.
- Ito, Masao: *See—*
  - Yamada, Kunio; and Ito, Masao, 4,796,961, Cl. 350-6.800.
- Ito, Masaru: *See—*
  - Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masaru; Wada, Toshiaki; and Nakaoka, Junichi, 4,794,736, Cl. 51-165.720.
  - Kaku, Toshimitsu; Maeda, Takeshi; Nakamura, Shigeru; Ito, Masaru; Shigematsu, Kazuo; and Tsunoda, Yoshito, 4,835,756, Cl. 369-44.000.
  - Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
- Ito, Masashi; Matsuno, Toshiki; Nakamura, Hiroyuki; and Yasuda, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Optical pickup which includes a single objective lens having magnification equal to or greater than 3 and equal to or smaller than 5. 4,868,821, 9-19-89, Cl. 369-112.000.
- Ito, Masashi: *See—*
  - Grobecker, Hermann; Mestdagh, Gilbert E.; and Ito, Masashi, 4,805,770, Cl. 206-309.000.
  - Nakamura, Hiroyuki; Ito, Masashi; Itoi, Toshiki; and Hashimoto, Akifumi, 4,842,392, Cl. 350-247.000.
- Ito, Masaya: *See—*
  - Akao, Shigeaki; Taniguchi, Masato; and Ito, Masaya, 4,850,095, Cl. 29-447.000.
  - Taniguchi, Masato; Kawamura, Mitsuyoshi; Ishida, Noboru; and Ito, Masaya, 4,841,922, Cl. 123-90.510.
- Ito, Masayoshi: *See—*
  - Fujita, Shuji; Yoshimura, Shoji; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, 4,880,572, Cl. 260-404.000.
  - Sakamoto, Tatsurou; Ito, Masayoshi; and Yamano, Yoshinori, 4,883,439, Cl. 445-66.000.
  - Yoshimura, Shoji; Tani, Yoichiro; Matsuzaki, Youzi; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, 4,797,477, Cl. 536-18.500.
- Ito, Masayuki: *See—*
  - Sawa, Natsuo; Masuda, Takeshi; Murai, Takayuki; Okazaki, Singi; Miyauchi, Yukio; and Ito, Masayuki, 4,826,991, Cl. 548-341.000.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Electrophotographic copying machine having an automatic paper selecting function. 4,796,056, 1-3-89, Cl. 355-14.0SH.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying machine for forming an image of a document at various magnifications. 4,809,050, 2-28-89, Cl. 355-14.0SH.
- Ito, Masazumi; and Higashio, Kimihiko, to Minolta Camera Kabushiki Kaisha. Copy counter and image forming apparatus having copy counter. 4,811,053, 3-7-89, Cl. 355-14.0CU.
- Ito, Masazumi; Nishimori, Kadotaro; and Higashio, Kimihiko, to Minolta Camera Kabushiki Kaisha. Image duplicating apparatus. 4,814,824, 3-21-89, Cl. 355-14.00R.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Electrophotographic copying machine. 4,816,867, 3-28-89, Cl. 355-14.0SH.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Image forming apparatus for forming special information upon copying a document image. 4,845,525, 7-4-89, Cl. 355-218.000.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying apparatus. 4,845,526, 7-4-89, Cl. 355-218.000.
- Ito, Masazumi; and Shibazaki, Kenji, to Minolta Camera Kabushiki Kaisha. Data transmission system for a computer controlled copying machine having master and slave CPU's. 4,847,756, 7-11-89, Cl. 364-200.000.
- Ito, Masazumi; and Higashio, Kimihiko, to Minolta Camera Kabushiki Kaisha. Image duplicating apparatus for multiple images with magnification or reduction alteration during duplication. 4,849,789, 7-18-89, Cl. 355-243.000.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. ADF with multiple detachable feed and discharge sections. 4,849,790, 7-18-89, Cl. 355-321.000.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying machine having an auto-paper selection function. 4,851,883, 7-25-89, Cl. 355-55.000.
- Ito, Masazumi; Nishimori, Kadotaro; and Oyabu, Masaaki, to Minolta Camera Kabushiki Kaisha. Copying apparatus with use frequency cancellation control. 4,860,052, 8-22-89, Cl. 355-209.000.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying machine. 4,862,220, 8-29-89, Cl. 355-311.000.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Automated image duplicating apparatus. 4,864,365, 9-5-89, Cl. 355-207.000.
- Ito, Masazumi; Murata, Tomoji; and Shibazaki, Kenji, to Minolta Camera Kabushiki Kaisha. Copying apparatus with subjectively stored magnification values. 4,868,610, 9-19-89, Cl. 355-243.000.
- Ito, Masazumi; Kusumoto, Keiji; Takano, Yoshiaki; and Noda, Takashi, to Minolta Camera Kabushiki Kaisha. Copying machine. 4,870,459, 9-26-89, Cl. 355-209.000.
- Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Recording apparatus with optical fiber cable interconnecting microcomputers. 4,873,431, 10-10-89, Cl. 250-227.000.
- Ito, Masazumi: *See—*
  - Higashi, Toshikazu; and Ito, Masazumi, 4,862.216, Cl. 355-218.000.
  - Higashio, Kimihiko; and Ito, Masazumi, 4,866,486, Cl. 355-326.000.
  - Kinoshita, Naoyoshi; Higashi, Toshikazu; Matsuuchi, Yasuyuki; Hatta, Yoshihiko; and Ito, Masazumi, 4,866,474, Cl. 355-218.000.
  - Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, 4,831,414, Cl. 355-219.000.
  - Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, 4,845,527, Cl. 355-210.000.
  - Maruta, Syuzi; and Ito, Masazumi, 4,870,526, Cl. 361-1.000.
  - Maruta, Syuzi; and Ito, Masazumi, 4,879,575, Cl. 355-208.000.
  - Maruta, Syuzi; and Ito, Masazumi, 4,885,609, Cl. 355-202.000.
  - Nakamura, Minoru; and Ito, Masazumi, 4,879,574, Cl. 355-204.000.
  - Nishimori, Kadotaro; Ito, Masazumi; and Oyabu, Masaaki, 4,812,877, Cl. 355-14.00R.
  - Nishimori, Kadotaro; and Ito, Masazumi, 4,856,877, Cl. 350-356.000.
  - Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,837,599, Cl. 355-7.000.
  - Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,855,786, Cl. 355-218.000.
  - Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,860,055, Cl. 355-308.000.
  - Shibazaki, Kenji; Irie, Yutaka; Ito, Masazumi; and Murata, Tomoji, 4,827,310, Cl. 355-243.000.
- Ito, Masuo: *See—*
  - Nakamura, Kimitsugu; and Ito, Masuo, 4,825,066, Cl. 250-207.000.
- Ito, Meiji: *See—*
  - Kato, Yasuyoshi; Konishi, Kunihiko; Matsuda, Toshiaki; Ito, Meiji; Kamiguchi, Taiji; Teshima, Nobue; and Akama, Hiroshi, 4,798,813, Cl. 502-60.000.
- Ito, Michio: *See—*
  - Saito, Akira; Nukada, Teisuke; and Ito, Michio, 4,854,041, Cl. 29-884.000.
- Ito, Michiyasu: *See—*
  - Aoyama, Mari; Ito, Michiyasu; Tsuji, Syoichi; Ishii, Toshiyuki; and Tanaka, Tomohide, 4,814,124, Cl. 264-41.000.
  - Narimatsu, Osamu; Ito, Michiyasu; Komatsu, Kazuyoshi; and Shibata, Yasuhiro, 4,853,286, Cl. 428-343.000.
- Ito, Mikio: *See—*
  - Someya, Shinzo; Koura, Seigo; Ito, Mikio; Nakanishi, Akira; and Nonaka, Yuji, 4,841,035, Cl. 546-270.000.
- Ito, Mineo: *See—*
  - Watanabe, Yoshiharu; Shimizu, Hisayuki; Ito, Mineo; and Moriyama, Hitoshi, 4,861,378, Cl. 106-314.000.
- Ito, Minoru: *See—*
  - Yuasa, Yasuhiro; and Ito, Minoru, 4,831,318, Cl. 318-626.000.
- Ito, Mitsuhiko: *See—*
  - Kato, Toshio; Uotani, Kunihiro; and Ito, Mitsuhiko, 4,872,659, Cl. 271-9.000.
- Ito, Mitsuhiro: *See—*
  - Tanaka, Hiroaki; Ito, Mitsuhiro; Furukawa, Takeshi; and Fujii, Satoru, 4,818,376, Cl. 209-135.000.
- Ito, Mitsuo: *See—*
  - Takata, Yoshinori; Ito, Mitsuo; and Miura, Junkichi, 4,806,250, Cl. 210-659.000.
  - Yoshida, Isao; Okabe, Takeaki; Ito, Mitsuo; Ashikawa, Kazutoshi; and Iijima, Tetsuo, 4,831,424, Cl. 357-23.130.
- Ito, Noboru: *See—*
  - Ogawa, Masao; Ito, Noboru; and Yamamura, Yukio, 4,856,443, Cl. 112-241.000.
- Ito, Nobuei: *See—*
  - Nunogaki, Naochika; Toyama, Tetsuo; Ito, Nobuei; and Inoguchi, Kazuhiro, 4,814,581, Cl. 219-270.000.
  - Yamamoto, Minoru; Ito, Nobuei; Uesugi, Hiroshi; and Hattori, Tadashi, 4,851,254, Cl. 427-37.000.
- Ito, Norifumi: *See—*
  - Iwamoto, Mune; Ito, Norifumi; Sugazaki, Kazuo; Matsubara, Tetsuyuki; and Ando, Toshihiko, 4,808,661, Cl. 525-73.000.
- Ito, Noriki; Ogawara, Hiroshi; and Watanabe, Shunichi, to Yamanouchi Pharmaceutical Co., Ltd. Isoflavone derivatives, and salts thereof, and cancerocidal and immunosuppressive agents containing the same. 4,841,077, 6-20-89, Cl. 549-402.000.
- Ito, Noritoshi: *See—*
  - Kajiyama, Koichi; Saito, Kaoru; Nozue, Yasuhiro; Ito, Noritoshi; Wakabayashi, Osamu; Fujimoto, Junichi; Kowaka, Masahiko; and Itakura, Yasao, 4,829,536, Cl. 372-57.000.
- Ito, Noritugu, to Brother Kogyo Kabushiki Kaisha. Switchable automatic or manual mode paper feeding device having a bidirectionally operated motor for a printer. 4,798,374, 1-17-89, Cl. 271-9.000.
- Ito, Novuei: *See—*
  - Inoguchi, Kazuhiro; Ito, Novuei; Nunogaki, Naochika; and Toyama, Tetsuo, 4,845,061, Cl. 501-97.000.

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- Ito, Osamu; and Mizutani, Hiroshi, to Kao Corporation. Absorbent article. 4,822,350, 4-18-89, Cl. 604-372.000.
- Ito, Osamu; and Tachibana, Shinro, to Eisai Co., Ltd. Physiologically active peptide. 4,822,774, 4-18-89, Cl. 514-12.000.
- Ito, Osamu: *See*—
  - Kato, Yukihiro; Okada, Hiroshi; Watanabe, Yoshifumi; Ina, Osamu; Ito, Osamu; and Yokomori, Iwao, 4,843,454, Cl. 357-79.000.
- Ito, Ryoichi; Iwai, Koji; Nishida, Tsuyoshi; and Kimura, Junji, to Kubota Limited. Water-cooling system for a water-cooled horizontal cylinder engine. 4,883,024, 11-28-89, Cl. 123-41.700.
- Ito, Ryoichi: *See*—
  - Ishii, Akira; and Ito, Ryoichi, 4,856,470, Cl. 123-195.00C.
- Ito, Ryoji: *See*—
  - Wakamori, Takehisa; Ogawa, Takashi; Ito, Ryoji; and Shimanaka, Chikafumi, 4,872,257, Cl. 29-701.000.
- Ito, Sadao, to Aisin Seiki Kabushiki Kaisha. Seat angle regulating apparatus. 4,887,017, 12-12-89, Cl. 318-626.000.
- Ito, Satoshi: *See*—
  - Ito, Wataru; and Ito, Satoshi, 4,842,945, Cl. 428-457.000.
  - Kihira, Hiroshi; Ito, Satoshi; Murata, Tomomi; Sakamoto, Shunji; and Yamamoto, Kazuo, 4,806,849, Cl. 324-65.0CR.
  - Masimo, Tamon; Kanazawa, Hiroshi; Masuzaki, Hidefumi; and Ito, Satoshi, 4,831,368, Cl. 340-720.000.
  - Matsuoka, Kazumi; Kihira, Hiroshi; Ito, Satoshi; and Murata, Tomomi, 4,861,453, Cl. 204-404.000.
  - Oka, Tomoki; Kihira, Hiroshi; Matsuoka, Kazumi; and Ito, Satoshi, 4,800,165, Cl. 436-6.000.
- Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, to Kumiai Chemical Industry Co., Ltd.; and Ihara Chemical Industry Co., Ltd. Pyrimidine derivative, process for preparing same and agricultural or horticultural fungicidal composition containing same. 4,814,338, 3-21-89, Cl. 514-275.000.
- Ito, Shigenori, to NGK Insulators, Ltd. Composite ceramic structure and method for manufacturing the same. 4,820,128, 4-11-89, Cl. 416-241.00B.
- Ito, Shigeru: *See*—
  - Ueno, Ryuzo; Ito, Shigeru; Fujimoto, Shin; and Iwao, Mayumi, 4,804,415, Cl. 106-496.000.
- Ito, Shigeyuki: *See*—
  - Wata[illegible]ni, Yoshizumi; and Ito, Shigeyuki, 4,843,488, Cl. 360-19.100.
- Ito, Shinichi: *See*—
  - Onodera, Kazukiyo; and Ito, Shinichi, 4,822,782, Cl. 514-183.000.
  - Onodera, Kazukiyo; and Ito, Shinichi, 4,822,783, Cl. 514-183.000.
- Ito, Shoji; and Minoura, Mikio, to Aisan Kogyo Kabushiki Kaisha. Method of controlling injector. 4,798,188, 1-17-89, Cl. 123-478.000.
- Ito, Shoji, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Fuel-effusion prevention valve system and a device therefor. 4,807,656, 2-28-89, Cl. 137-43.000.
- Ito, Shoji; Mizoguchi, Kensaku; and Suda, Yoshio, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Hydrophilic-hydrophobic thermally reversible type polymer and method for production thereof. 4,822,848, 4-18-89, Cl. 524-549.000.
- Ito, Shoziro; Ito, Akihiro; and Ito, Hiroyasu, to Shoziro Ito. Precision calorimeter. 4,859,077, 8-22-89, Cl. 374-33.000.
- Ito, Shunji; Ito, Kanehiro; Kogiso, Takashi; and Kurachi, Yoshio, to Howa Machinery, Ltd. Method and apparatus for transporting articles. 4,858,746, 8-22-89, Cl. 198-465.400.
- Ito, Shunji: *See*—
  - Sasaki, Kenji; and Ito, Shunji, 4,841,719, Cl. 57-281.000.
- Ito, Shunshuke: *See*—
  - Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000.
- Ito, Soichi, to Nippon Kokan Kabushiki Kaisha. Apparatus for producing artificial wave. 4,806,048, 2-21-89, Cl. 405-79.000.
- Ito, Soichi; and Mabuchi, Yoshihiro, to NEC Corporation. Semiconductor integrated circuit having wirings for power supply suited for computer-aided-design. 4,833,520, 5-23-89, Cl. 357-68.000.
- Ito, Sumio: *See*—
  - Hayashi, Kotaro; Ito, Sumio; and Kobashi, Kiyoshi, 4,875,336, Cl. 60-286.000.
- Ito, Susumu, to Kabushiki Kaisha Toshiba. Load applicability detecting device for induction-heating cooking apparatus. 4,810,847, 3-7-89, Cl. 219-10.770.
- Ito, Susumu: *See*—
  - Suzuki, Akira; Ito, Susumu; Okamoto, Kikuhiko; Hoshino, Eiichi; Yokosuka, Michio; and Murata, Moriyasu, 4,822,516, Cl. 252-174.120.
  - Torii, Nobutoshi; Ito, Susumu; Wakio, Hiroshi; and Iwasaki, Kyoji, 4,836,048, Cl. 74-608.000.
- Ito, Tadao: *See*—
  - Yamamoto, Kiyoshi; Nakamura, Toshihiro; Ito, Tadao; and Inui, Keiichiro, 4,797,230, Cl. 252-364.000.
- Ito, Tadashi: *See*—
  - Kawamura, Masaharu; Sakurada, Nobuaki; Murakami, Hiroyasu; Shinoda, Nobuhiki; and Ito, Tadashi, 4,821,056, Cl. 354-289.100.
- Ito, Taizo: *See*—
  - Okuyama, Kouji; Yamamoto, Makoto; Kimura, Hidetoshi; and Ito, Taizo, 4,804,426, Cl. 156-128.100.
- Ito, Takafumi, to Kabushiki Kaisha Toshiba. Handwritten-image input apparatus. 4,831,568, 5-16-89, Cl. 364-709.110.
- Ito, Takahiko: *See*—
  - Yoshikawa, Eiichi; Shinozaki, Takashi; and Ito, Takahiko, 4,883,264, Cl. 271-110.000.
- Ito, Takami. Material for multi-level flower beds. 4,803,806, 2-14-89, Cl. 47-39.000.
- Ito, Takanobu: *See*—
  - Misono, Yoshimasa; Ito, Takanobu; Muraoka, Yasuo; and Mizuchi, Atsuyuki, 4,826,238, Cl. 296-209.000.
- Ito, Takanori, to Ricoh Company, Ltd. Method of processing image information. 4,843,458, 6-27-89, Cl. 358-80.000.
- Ito, Takao, to Kabushiki Kaisha Toshiba. Semiconductor device element-isolation by oxidation of polysilicon in trench. 4,810,668, 3-7-89, Cl. 437-67.000.
- Ito, Takashi: *See*—
  - Iwaya, Shoichi; Masumura, Hitoshi; Takahashi, Hiroki; Ohkawara, Masaaki; Kobayashi, Katsumi; and Ito, Takashi, 4,809,442, Cl. 34-10.000.
  - Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000.
  - Muto, Masaaki; Kato, Takashi; and Ito, Takashi, 4,826,787, Cl. 437-208.000.
  - Tamaki, Yoji; Kino, Takuya; Ito, Takashi; and Nakamura, Akihiko, 4,860,461, Cl. 34-68.000.
- Ito, Takayasu: *See*—
  - Furuhata, Takashi; Owashi, Hitoaki; Ito, Takayasu; and Hamaguchi, Masakazu, 4,873,582, Cl. 358-310.000.
  - Kambe, Yoshiaki; Okuda, Yoshihiko; Hirono, Atsuyuki; Nagaoka, Akira; and Ito, Takayasu, 4,876,446, Cl. 250-221.000.
- Ito, Takayuki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Zoom lens system for use in compact camera. 4,818,081, 4-4-89, Cl. 350-423.000.
- Ito, Takayuki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Zoom lens system for compact camera. 4,836,660, 6-6-89, Cl. 350-423.000.
- Ito, Takayuki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Compact and high-speed wide-angle zoom lens system. 4,844,599, 7-4-89, Cl. 350-426.000.
- Ito, Takeo, to Alps Electric Co., Ltd. Shield structure of electronic equipment. 4,833,276, 5-23-89, Cl. 174-3[illegible]00R.
- Ito, Takeo; Takeuchi, Hajime; Hashimoto, Minoru; Fukaya, Toshio; and Koishi, Masumi, to Kabushiki Kaisha Toshiba. Method of manufacturing magnetic recording medium. 4,880,66[illegible], 11-14-89, Cl. 427-128.000.
- Ito, Takeshi, to Machine Engineering Co., Ltd. Reduction gear. 4,799,396, 1-24-89, Cl. 74-410.000.
- Ito, Takumi: *See*—
  - Tanaka, Hozumi; Aoyama, Hiroshi; Kuroda, Nobuyoshi; and Ito, Takumi, 4,852,074, Cl. 369-53.000.
- Ito, Tamotsu: *See*—
  - Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 208-72.000.
- Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, to Hitachi, Ltd. Optical recording and reproducing device. 4,811,328, 3-7-89, Cl. 369-112.000.
- Ito, Tetsuo: *See*—
  - Akiyama, Takao; Ito, Tetsuo; and Sumida, Isao, 4,879,087, Cl. 376-216.000.
  - Kinoshita, Mitsuo; Ito, Tetsuo; Mikawa, Hiroji; and Chino, Koichi, 4,872,948, Cl. 159-6.200.
- Ito, Tetuo: *See*—
  - Yamamura, Masaaki; Inokoshi, Junichi; Ito, Tetuo; Furuta, Kazumitsu; and Shimizu, Kazuo, 4,885,102, Cl. 252-8.800.
- Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Process for producing a fiber aggregate. 4,826,569, 5-2-89, Cl. 162-102.000.
- Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Apparatus for producing a fiber aggregate. 4,874,495, 10-17-89, Cl. 204-212.000.
- Ito, Tomoo: *See*—
  - Niida, Chiaki; Ito, Tomoo; Nishimiya, Torazo; Iseyama, Takashi; and Yamada, Koichiro, 4,823,750, Cl. 123-339.000.
- Ito, Tomoya: *See*—
  - Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takazawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.
- Ito, Toru: *See*—
  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Ito, Toshiaki; Yamaguchi, Masayoshi; and Meguro, Kazunori, to Toshiba Ceramics Co., LTD. Method of coating a recrystallized silicon carbide body with a compact silicon carbide coating. 4,810,526, 3-7-89, Cl. 427-50.000.
- Ito, Toshifumi, to Honda Giken Kogyo Kabushiki Kaisha. Starting and reverse transmission apparatus. 4,870,874, 10-3-89, Cl. 74-665.00T.
- Ito, Toshifumi: *See*—
  - Fujita, Haruyasu; Hirosawa, Yoshiaki, Hikichi, Koichi; Sato, Morio; Hirakata, Yoshiaki; and Ito, Toshifumi, 4,869,332, Cl. 180-65.200.
- Ito, Toshihiko; Mogami, Masayuki; and Kobayashi, Kengo, to Hitachi Chemical Company, Ltd. Coating resin composition. 4,795,785, 1-3-89, Cl. 525-288.000

- Ito, Toshihiko: *See*—
  - Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.
  - Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,845,228, Cl. 546-339.000.
- Ito, Toshikazu; and Degawa, Takashi, to Hitachi, Ltd. Air conditioning apparatus for a motor vehicle. 4,852,798, 8-1-89, Cl. 237-2.00A.
- Ito, Toshikazu; Suemune, Toshiro; and Sato, Katsuhiko, to Oki Electric Industry Co., Ltd. Method and apparatus for preventing the overheat of a line feed motor for a printer. 4,884,162, 11-28-89, Cl. 361-23.000.
- Ito, Toshikazu: *See*—
  - Hirai, Yoichi; and Ito, Toshikazu, 4,842,829, Cl. 422-186.080.
  - Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
- Ito, Toshimichi, to Idemitsu Petrochemical Company limited. Method for synthesis of diamond and apparatus therefor. 4,869,924, 9-26-89, Cl. 427-39.000.
- Ito, Toshinobu: *See*—
  - Yoshida, Kageo; Nittani, Osamu; Ito, Toshinobu; Kokura, Makoto; and Hirano, Kouzi, 4,842,743, Cl. 210-634.000.
- Ito, Toshio; Miwa, Takashi; and Yamagishi, Fujio, to G-C Toshi Kogyo Corporation. Measuring tool for the selection of artificial teeth. 4,797,096, 1-10-89, Cl. 433-26.000.
- Ito, Toshio; Sakata, Miwa; and Yamashima, Yoshio, to Oki Electric Industry Co., Ltd. Negative resist material. 4,826,943, 5-2-89, Cl. 528-21.000.
- Ito, Toshio; Sakata, Miwa; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, to Oki Electric Industry Co., Ltd.; and Fuji Chemicals Industrial Co., Ltd. Pattern-forming material. 4,845,143, 7-4-89, Cl. 525-328.800.
- Ito, Toshio: *See*—
  - Ai, Minoru; Hiranuma, Kenji; Obana, Jinichi; and Ito, Toshio, 4,795,345, Cl. 433-202.100.
  - Takahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.
- Ito, Toshiyasu; Mori, Takaaki; Minoura, Jun; and Adachi, Mikio, to Toyoda Gosei Co., Ltd. Dimming window. 4,832,468, 5-23-89, Cl. 350-357.000.
- Ito, Toshiyasu; Minoura, Jun; Mori, Takaaki; Takahashi, Shigeyuki; Kato, Mamoru; Shimada, Junichi; and Hayakawa, Fujio, to Toyoda Gosei Co., Ltd. Planar dimmer. 4,874,229, 10-17-89, Cl. 350-357.000.
- Ito, Toshiyasu: *See*—
  - Fujisawa, Norio; Sakamoto, Toshishige; Ito, Toshiyasu; and Shimada, Junichi, 4,872,745, Cl. 350-357.000.
- Ito, Tsukasa; Kawakatsu, Satoshi; Onishi, Akira; and Ishikawa, Masayo, to Konishiroku Photo Industry Co., Ltd. Analytical element and method for determining a component in a test sample. 4,868,106, 9-19-89, Cl. 435-7.000.
- Ito, Tsuneo: *See*—
  - Nagai, Kenji; Yamashita, Masayuki; Kanagawa, Masafumi; Sato, Mitsumasa; and Ito, Tsuneo, 4,833,474, Cl. 341-166.000.
- Ito, Tsuyoshi: *See*—
  - Kochi, Hiromi; Fukunaga, Kenji; Itagaki, Takaharu; and Ito, Tsuyoshi, 4,857,576, Cl. 524-409.000.
- Ito, Wataru; Kubota, Tomoki; Sumiya, Koji; and Yokoyama, Shoji. Resistive steering sensor. 4,839,579, 6-13-89, Cl. 324-63.000.
- Ito, Wataru; and Ito, Satoshi, to Nippon Steel Corporation. Stainless steel coated with thin film of carbon containing specified amount in a state of diamond and having an adjustable black transparent color tone. 4,842,945, 6-27-89, Cl. 428-457.000.
- Ito, Wataru: *See*—
  - Hasegawa, Kazumi; Ikeda, Hiroshi; and Ito, Wataru, 4,813,800, Cl. 400-606.000.
- Ito, Yasunobu; and Miki, Nobuaki, to Aisin-Warner Limited. Vehicular automatic transmission control system with gear shift inhibitor. 4,846,022, 7-11-89, Cl. 74-866.000.
- Ito, Yasunobu; and Suzuki, Kenji, to Aisin-Warner Kabushiki Kaisha. Automatic transmission with lock-up clutch. 4,858,499, 8-22-89, Cl. 74-866.000.
- Ito, Yasunobu; Suzuki, Kenji; and Nobuaki, Miki, to Aisin-Warner Kabushiki Kaisha. Electronically controlled automatic transmission. 4,870,581, 9-26-89, Cl. 364-424.100.
- Ito, Yasunobu: *See*—
  - Hayakawa, Yoichi; and Ito, Yasunobu, 4,823,648, Cl. 74-869.000.
  - Hayakawa, Yoichi; Ito, Yasunobu; and Sakai, Takahiro, 4,827,807, Cl. 74-869.000.
  - Yamamoto, Masanari; Ito, Yasunobu; and Yokoyama, Shouji, 4,841,445, Cl. 364-424.100.
- Ito, Yasushi; Imamura, Masaaki; Kato, Yoshiki; and Fumioka, Jun, to Hitachi, Ltd. Method of producing magnetic disk. 4,842,618, 6-27-89, Cl. 51-293.000.
- Ito, Yasushi: *See*—
  - Ogawa, Kanagawa; and Ito, Yasushi, 4,856,266, Cl. 57-9.000.
  - Takahashi, Nobuo; Takeda, Yuri; Takamatsu, Akira; Ito, Yasushi; and Yamaguchi, Keizo, 4,869,201, Cl. 118-308.000.
- Ito, Yasutoshi: *See*—
  - Toshiaki, Kikuchi; Mochizuki, Toshihiro; Ito, Yasutoshi; and Yamaza, Tohru, 4,877,214, Cl. 248-483.000.
- Ito, Yasuyuki, to Kabushiki Kaisha Toshiba. Gyrotron device. 4,839,561, 6-13-89, Cl. 315-4.000.
- Ito, Yoichiro, to United States of America, Health and Human Services. Multistage mixer-settler centrifuge. 4,857,187, 8-15-89, Cl. 210-198.200.
- Ito, Yoshiharu: *See*—
  - Goto, Naohisa; Ito, Yoshiharu; Arimura, Kunitaka; Ando, Makoto; Shirai, Tatsuya; and Teramoto, Ryuji, 4,819,003, Cl. 343-771.000.
- Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, to Dai Nippon Insatsu Kabushiki Kaisha. Sheet for heat transference. 4,820,686, 4-11-89, Cl. 503-227.000.
- Ito, Yoshikuni: *See*—
  - Hashimoto, Masashi; Oku, Teruo; Ito, Yoshikuni; Namiki, Takayuki; Sawada, Kozo; Kasahara, Chiyoshi; and Baba, Yukihisa, 4,883,800, Cl. 514-259.000.
- Ito, Yoshimasa: *See*—
  - Tsuchiya, Soji; Ito, Yoshimasa; Higuchi, Sadashi; and Yamashita, Akio, 4,855,727, Cl. 340-785.000.
- Ito, Yoshinori: *See*—
  - Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuho; Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, 4,798,992, Cl. 313-406.000.
- Ito, Yoshio, to Canon Kabushiki Kaisha. Recording apparatus. 4,823,195, 4-18-89, Cl. 358-285.000.
- Ito, Yoshito; Miyake, Hideyo; and Tamagawa, Hiroshi, to Nippon Paint Co., Ltd. Automatic carrying and metering system for liquid reservoir. 4,827,993, 5-9-89, Cl. 141-83.000.
- Ito, Yoshitomo: *See*—
  - Yagino, Masamori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, 4,841,120, Cl. 219-216.000.
- Ito, Yoshitoshi: *See*—
  - Kambara, Hideki; and Ito, Yoshitoshi, 4,832,815, Cl. 204-299.00R.
  - Takeda, Kazuo; Ito, Yoshitoshi; Honma, Noriaki; and Munakata, Chusuke, 4,876,458, Cl. 250-574.000.
- Ito, Yoshiyasu: *See*—
  - Nagase, Masaomi; Ito, Yoshiyasu; Kizaki, Mikio; Matsuno, Kiyotaka; Tsukamoto, Keisuke; and Kobayashi, Fumiaki, 4,879,673, Cl. 364-571.010.
- Ito, Yoshizo: *See*—
  - Nakano, Jiro; and Ito, Yoshizo, 4,836,016, Cl. 73-118.100.
- Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, to Buckman Laboratories International, Inc. Quaternary ammonium and benzothiazole microbicidal preservative composition. 4,839,373, 6-13-89, Cl. 514-367.000.
- Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, to Buckman Laboratories International, Inc. Microbicidal preservative composition. 4,866,081, 9-12-89, Cl. 514-367.000.
- Ito, Yuji, to Sony Corp. Video signal recording and/or reproducing apparatus with a function for re-recording a search control-index signal. 4,799,111, 1-17-89, Cl. 360-14.300.
- Ito, Yuji: *See*—
  - Kondo, Naohiko; Hanai, Mineo; Miyagawa, Yoshiaki; Mochizuki, Ikuo; Ito, Yuji; and Iwase, Takatoshi, 4,834,700, Cl. 493-463.000.
- Ito, Yukihiro; Imaizumi, Takeshi; Tukahara, Tadayuki; and Miyamoto, Yoshimi, to Hitachi, Ltd. Centralized control system for home electric appliances. 4,808,841, 2-28-89, Cl. 307-11.000.
- Ito, Yukinobu: *See*—
  - Matsubara, Mitsuyoshi; and Ito, Yukinobu, 4,819,188, Cl. 364-413.230.
- Ito, Yukio, to Yazaki Corporation. Method for improving accuracy of connections to electrical terminal. 4,815,200, 3-28-89, Cl. 29-857.000.
- Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, to Hitachi Medical Corp. Ultrasonic diagnosis apparatus for measurement of speed of moving medium in a living body. 4,840,180, 6-20-89, Cl. 128-661.080.
- Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, to Hitachi Medical Corp. Ultrasonic diagnosis apparatus for displaying speed or correlation between speed and speed dispersion by color change. 4,850,366, 7-25-89, Cl. 128-661.080.
- Ito, Yukio; Yamada, Kimichika; and Ohkawa, Hiroyuki, to Clarion Co., Ltd. Cassette insertion detecting mechanism. 4,858,042, 8-15-89, Cl. 360-96.500.
- Ito, Yukio: *See*—
  - Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, 4,795,609, Cl. 420-109.000.
  - Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, 4,810,287, Cl. 75-49.000.
  - Sugiyama, Takashi; Tamano, Satoshi; and Ito, Yukio, 4,817,619, Cl. 128-661.090.
  - Tamano, Satoshi; Ito, Yukio; Kishimoto, Shinji; and Sato, Yutaka, 4,830,016, Cl. 128-661.090.
  - Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, 4,831,473, Cl. 360-96.500.
  - Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, 4,855,848, Cl. 360-96.500.
- Ito, Yukishige: *See*—
  - Kannagi, Reiji; Shigeta, Katsuyoshi; Ito, Yukishige; Kirihata, Yoshiko; and Ogawa, Tomoya, 4,885,358, Cl. 530-387.000.
- Ito, Yutaka; Negishi, Kazuo, and Yamashita, Kohei, to Victor Company of Japan, Ltd. Video signal recording and reproducing apparatus performing time-lapse recordings compatible with standard-type apparatuses. 4,796,104, 1-3-89, Cl. 360-10.300.

Ito, Yutaka: *See—*

Motonari, Kazunori; Kumamoto, Kazuo; Turuda, Shigeto; Ito, Yutaka; and Mitsutake, Taiichiro, 4,801,506, Cl. 428-421.000.

Itogawa, Jiro: *See—*

Yasuoka, Norio; Kobayashi, Takehiro; Hikida, Nobuharu; Hatakeyama, Yasuyuki; Aoto, Yoshiyuki; and Itogawa, Jiro, 4,885,766, Cl. 379-105.000.

Itoh, Akihiko: *See—*

Kunitoki, Tadayoshi; and Itoh, Akihiko, 4,827,161, Cl. 307-491.000.

Itoh, Akio, to Jeco Co., Ltd. Electrical indicator having an optical position encoder. 4,879,510, 11-7-89, Cl. 324-150.000.

Itoh, Akira: *See—*

Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,800,310, Cl. 310-105.000.

Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,817,938, Cl. 272-73.000.

Itoh, Ayao: *See—*

Ishida, Akinori; and Itoh, Ayao, 4,803,995, Cl. 128-660.010.

Itoh & Co., Ltd.: *See—*

Coe, Thomas U., 4,887,179, Cl. 360-135.000.

Itoh, Hajime; Takahashi, Hiroshi; Ohbori, Kouji; and Habara, Hideaki, to Itsubishi Rayon Co., Ltd. Process for producing porous membranes. 4,869,857, 9-26-89, Cl. 264-41.000.

Itoh, Hajime; and Mitani, Kazutami, to Mitsubishi Rayon Co., Ltd. Hydrophilized porous membrane and production process thereof. 4,876,289, 10-24-89, Cl. 521-54.000.

Itoh, Hajime: *See—*

Takemura, Tohru; Itoh, Hajime; Kamo, Jun; and Yoshida, Haruhiko, 4,802,942, Cl. 156-244.130.

Itoh, Harumichi: *See—*

Motai, Hiroshi; Fukushima, Yaichi; Fukase, Tetsuro; and Itoh, Harumichi, 4,879,235, Cl. 435-225.000.

Itoh, Hideaki, to Fujitsu Limited. Channel switching system without instantaneous signal loss. 4,797,903, 1-10-89, Cl. 375-40.000.

Itoh, Hideaki, to Fujitsu Limited. Channel-system exchange system for digital data radio-communication system. 4,799,237, 1-17-89, Cl. 375-38.000.

Itoh, Hideaki; and Ozaki, Takayuki, to Fujitsu Limited. System for transmitting auxiliary signal in a multiplex communication system. 4,860,282, 8-22-89, Cl. 370-55.000.

Itoh, Hideo: *See—*

Suzuki, Atsushi; and Itoh, Hideo, 4,829,477, Cl. 365-189.060.

Itoh, Hideyuki: *See—*

Okamura, Yoshio; Kumagae, Kimitaka; Itoh, Hideyuki; and Mori, Shigeru, 4,868,063, Cl. 428-429.000.

Itoh, Hirataka: *See—*

Wallace, Robert B.; and Itoh, Hirataka, 4,879,226, Cl. 435-68.000.

Itoh, Hirohiko: *See—*

Tsuchiya, Sohji; Kojima, Toshikuni; Kudoh, Yasuo; Yoshimura, Susumu; Hoshii, Yasunari; and Itoh, Hirohiko, 4,828,738, Cl. 252-62.200.

Itoh, Hirohito: *See—*

Sakuma, Kazuhiro; Itoh, Hirohito; Kazou, Mitsuaki; and Kuramoto, Kenji, 4,854,169, Cl. 73-517.00B.

Itoh, Hiroki, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for forming a thin film. 4,805,555, 2-21-89, Cl. 118-719.000.

Itoh, Hiromi, to Mitsubishi Denki Kabushiki Kaisha. Photochemical film-forming method. 4,839,196, 6-13-89, Cl. 427-53.100.

Itoh, Hiromi: *See—*

Kasai, Kazumi; Itoh, Hiromi; Tanaka, Hitoshi; Oh-hori, Tatsuya; and Komeno, Junji, 4,883,020, Cl. 118-719.000.

Itoh, Hiroshi; and Takahashi, Tokuyuki, to Toyota Jidosha Kabushiki Kaisha. Device for controlling vehicle four wheel drive front/rear coupling device by learning effective front/rear vehicle wheels radius discrepancy, and method of operation thereof. 4,825,368, 4-25-89, Cl. 364-424.100.

Itoh, Hiroshi; Nakagawa, Toshimi; Nitta, Atsuhiko; Tanaka, Tomio; and Kamio, Hideo, to Mitsui Toatsu Chemicals, Incorporated. Method for the extraction of water from macromolecular solutions. 4,828,710, 5-9-89, Cl. 210-675.000.

Itoh, Hiroshi; Nakagawa, Toshimi; and Nitta, Atsuhiko, to Mitsui Chemicals, Incorporated. Production process of N-substituted amide compounds. 4,835,312, 5-30-89, Cl. 564-205.000.

Itoh, Hiroshi, to Toshiba Kikai Kabushiki Kaisha. Position control system including a quick response control. 4,841,208, 6-20-89, Cl. 318-561.000.

Itoh, Hiroshi; and Takada, Mitsuru, to Toyota Jidosha Kabushiki Kaisha. Apparatus for controlling continuously variable transmission. 4,872,115, 10-3-89, Cl. 364-424.100.

Itoh, Hiroshi, to Toshiba Machine Co., Ltd. Position control method. 4,884,014, 11-28-89, Cl. 318-600.000.

Itoh, Hiroshi: *See—*

Kato, Nobuyuki; Takahashi, Tokuyuki; and Itoh, Hiroshi, 4,840,263, Cl. 192-109.00F.

Takada, Mitsuru; Itoh, Hiroshi; and Takahashi, Tokuyuki, 4,867,262, Cl. 180-249.000.

Itoh, Hiroyuki; Kono, Yoshitsugu; Ajioka, Masanobu; Takenaka, Shinji; and Kataita, Masafumi, to Mitsui Toatsu Chemicals, Incorporated. Production process of chlorine. 4,803,065, 2-7-89, Cl. 423-502.000.

Itoh, Hiroyuki; Ishii, Takafumi; and Satoh, Tetsuo, to Nippon Oil Company, Limited. Recording medium. 4,857,427, 8-15-89, Cl. 430-19.000.

Itoh, Hiroyuki; Yagyu, Masayoshi; Yamada, Toshio; Osanai, Masaru; Masaki, Akira; Usami, Mitsuo; Kobayashi, Tohru; and Hamamoto, Masato, to Hitachi, Ltd. Flip-flop circuit. 4,868,420, 9-19-89, Cl. 307-441.000.

Itoh, Hisato: *See—*

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,503, Cl. 430-75.000.

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,507, Cl. 430-73.000.

Itoh, Hitoshi, to Kabushiki Kaisha Toshiba. Thin-film depositing apparatus. 4,817,558, 4-4-89, Cl. 118-725.000.

Itoh, Ichizo; Owada, Hiroshi; and Fujii, Toru, to Yokogawa Electric Corporation. Transmitter-receiver of ultrasonic distance measuring device. 4,825,116, 4-25-89, Cl. 310-335.000.

Itoh, Ikuo: *See—*

Nakamura, Masatsugu; and Itoh, Ikuo, 4,843,423, Cl. 355-245.000.

Itoh, Isamu; Ono, Mitsunori; Kobayashi, Hidetoshi; and Yamakawa, Kazuyoshi, to Fuji Photo Film Co., Ltd. 5-halo-6-nitro-2-substituted benzoxazole compounds. 4,831,152, 5-16-89, Cl. 548-224.000.

Itoh, Isamu; and Mihayashi, Keiji, to Fuji Photo Film Co., Ltd. Method of processing silver halide photographic material using an organic compound which loses its development restraining function by reaction with an oxidized developer. 4,845,020, 7-4-89, Cl. 430-445.000.

Itoh, Isamu; Ono, Mitsunori; and Inagaki, Yoshio, to Fuji Photo Film Co., Ltd. Silver halide photographic materials comprising blocked photographic reagants releasing plug groups. 4,888,268, 12-19-89, Cl. 430-218.000.

Itoh, Isamu: *See—*

Ono, Mitsunori; Tamoto, Koji; Mihayashi, Keiji; Ichijima, Seiji; Itoh, Isamu; and Nakamura, Yoshisada, 4,842,985, Cl. 430-226.000.

Itoh, Itsu: *See—*

Fujikawa, Toshihiro; Itoh, Itsu; and Urashima, Mitsuru, 4,830,045, Cl. 137-456.000.

Itoh, Junichi: *See—*

Matsuzaki, Minoru; Itoh, Junichi; and Watanabe, Youji, 4,873,543, Cl. 354-402.000.

Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, 4,816,858, Cl. 354-400.000.

Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, 4,853,733, Cl. 354-412.000.

Itoh, Junji: *See—*

Kanayama, Toshihiko; and Itoh, Junji, 4,815,850, Cl. 356-349.000.

Itoh, Katsumi: *See—*

Sugihara, Hirosada; Itoh, Katsumi; and Nishikawa, Kohei, 4,880,809, Cl. 514-255.000.

Itoh, Kazuhiro: *See—*

Aoki, Takayoshi; Takeda, Masayuki; Nagatsuka, Ikutaroh; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,861,694, Cl. 430-137.000.

Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,871,639, Cl. 430-108.000.

Tanahashi, Toshio; Kanamaru, Masanobu; Itoh, Toshio; and Itoh, Kazuhiro, 4,883,030, Cl. 123-193.0CH.

Itoh, Kazutoyo: *See—*

Yamamoto, Katsuyuki; Itoh, Kazutoyo; Kishimoto, Kazuo; and Yamashita, Wakio, 4,815,921, Cl. 414-331.000.

Itoh, Ken-ich: *See—*

Takahashi, Jun; Fukushima, Shigeru; Narumi, Toshikatu; Itoh, Ken-ich; and Ogawa, Seiya, 4,822,634, Cl. 427-48.000.

Itoh, Kenji: *See—*

Yamazaki, Shunpei; Itoh, Kenji; and Nagayama, Susumu, 4,874,920, Cl. 219-121.850.

Itoh, Kensuke: *See—*

Hori, Tomoshige; and Itoh, Kensuke, 4,804,935, Cl. 338-25.000.

Hori, Tomoshige; and Itoh, Kensuke, 4,832,504, Cl. 374-183.000.

Hori, Tomoshige; Shiinoki, Yasuhiko; and Itoh, Kensuke, 4,882,571, Cl. 338-28.000.

Itoh, Kiichi; and Shibano, Takeshi, to Mitsubishi Petrochemical Company Limited. Process for preparation of water absorptive composite material. 4,835,020, 5-30-89, Cl. 427-389.900.

Itoh, Kiichi; and Shibano, Takeshi, to Mitsubishi Petrochemical Company Limited; and Uni-Charm Corporation. Process for preparation of water absorptive composite. 4,842,927, 6-27-89, Cl. 428-254.000.

Itoh, Kiichi; and Shibano, Takeshi, to Mitsubishi Petrochemical Company Limited; and Uni-Charm Corporation. Process for preparation of water absorptive composite material. 4,865,886, 9-12-89, Cl. 427-342.000.

Itoh, Kikuo: *See—*

Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Itoh, Kikuo, 4,855,254, Cl. 437-100.000.

Itoh, Kiyonobu: *See—*

Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,810,185, Cl. 431-150.000.

Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,872,829, Cl. 431-33.000.

Itoh, Kiyoo; Kawajiri, Yoshiki; Kimura, Katsutaka; Hori, Ryoichi; and Etoh, Jun, to Hitachi, Ltd. Semiconductor memory having selectively activated blocks including CMOS sense amplifiers. 4,796,234, 1-3-89, Cl. 365-227.000.

Itoh, Kiyoo, to Hitachi, Ltd. Dynamic random access memory having a gain function. 4,803,664, 2-7-89, Cl. 365-210.000.

Itoh, Kiyoo; and Hori, Ryoichi, to Hitachi, Ltd. Semiconductor memory. 4,825,418, 4-25-89, Cl. 365-207.000.

Itoh, Kiyoo: *See—*

Higuchi, Hisayuki; Suzuki, Makoto; Homma, Noriyuki; and Itoh, Kiyoo, 4,866,673, Cl. 365-177.000.

Hori, Ryoichi; Itoh, Kiyoo; Kitsukawa, Goro; Kawajiri, Yoshiki; Watanabe, Takao; and Kawahara, Takayuki, 4,873,673, Cl. 365-230.060.

Kitsukawa, Goro; Watanabe, Takao; Hori, Ryoichi; and Itoh, Kiyoo, 4,853,899, Cl. 365-207.000.

Watanabe, Takao; Kitukawa, Goro; Hori, Ryoichi; Itoh, Kiyoo; Kawajiri, Yoshiki; and Kawahara, Takayuki, 4,837,462, Cl. 307-446.000.

Itoh, Kohji: *See—*

Teranishi, Akio; Genji, Nobuo; and Itoh, Kohji, 4,888,788, Cl. 375-1.000.

Itoh, Kouichi: *See—*

Hiraku, Akira; Minezawa, Morio; Katoh, Isao; and Itoh, Kouichi, 4,860,715, Cl. 123-519.000.

Mori, Eiji; Sonoda, Hidefumi; Hiraku, Akira; Katoh, Isao; Itoh, Kouichi; and Minezawa, Morio, 4,809,865, Cl. 220-86.00R.

Itoh, Kunihiko: *See—*

Aoki, Akira; and Itoh, Kunihiko, 4,865,379, Cl. 297-180.000.

Itoh, Kunio; Takahashi, Masaharu; Takita, Kenichi; and Yoshida, Takeo, to Shin-Etsu Chemical Co., Ltd. Self-adhering silicone composition. 4,814,408, 3-21-89, Cl. 528-24.000.

Itoh, Kunio; Imai, Kiyoshi; and Fukuda, Takeshi, to Shin-Etsu Chemical Co., Ltd. Silicone rubber composition. 4,826,905, 5-2-89, Cl. 524-366.000.

Itoh, Kunio; and Umemura, Mitsuo, to Shin-Etsu Chemical Co., Ltd. Foamable silicone rubber composition. 4,870,115, 9-26-89, Cl. 521-134.000.

Itoh, Kunio; and Shiobara, Toshio, to Shin-Etsu Chemical Co., Ltd. Epoxy resin composition. 4,876,298, 10-24-89, Cl. 523-433.000.

Itoh, Kunio; Fukushima, Motoo; and Nakamura, Tsutomu, to Shin-Etsu Chemical Co., Ltd. Novel organosilicon compounds. 4,876,344, 10-24-89, Cl. 544-219.000.

Itoh, Kunio; Shiobara, Toshio; Futatsumori, Koji; Tomiyoshi, Kazutoshi; and Shimizu, Hisashi, to Shin-Etsu Chemical Co., Ltd. Epoxy resin composition. 4,877,822, 10-31-89, Cl. 523-433.000.

Itoh, Makoto: *See—*

Uchida, Yasuzo; Nagasaki, Hitoshi; and Itoh, Makoto, 4,820,529, Cl. 426-7.000.

Itoh, Mamoru, deceased (by Kamijo, Eiko, legal representative); and Miyazawa, Yukimori, to Kabushiki Kaisha Sankyo Seiki Seisakusho. Motor-driven time switch. 4,849,588, 7-18-89, Cl. 200-38.00R.

Itoh, Masahiko; Midorikawa, Heihatiro; Furutani, Yasumasa; and Aizawa, Michihiko, to Hitachi, Ltd. Absorption type refrigerator and absorbing solution therefor. 4,857,222, 8-15-89, Cl. 252-69.000.

Itoh, Masahiko: *See—*

Kobayashi, Shiro; Itoh, Masahiko; and Minato, Akira, 4,821,148, Cl. 361-392.000.

Itoh, Masahiro; Murasawa, Yoshihiro; Takeda, Atsushi; Tsuchiya, Hiroaki; and Nakahata, Kimio, to Canon Kabushiki Kaisha. Image forming apparatus. 4,860,048, 8-22-89, Cl. 355-208.000.

Itoh, Masahiro: *See—*

Matsukawa, Hideki; Masuyama, Takeshi; Hirota, Minoru; Wakahata, Yasuo; Itoh, Masahiro; and Harada, Shinji, 4,874,227, Cl. 350-334.000.

Itoh, Masaki: *See—*

Nakagawa, Katsuji; Itoh, Masaki; Morimoto, Akio; and Sakai, Mitsuru, 4,839,208, Cl. 428-64.000.

Itoh, Masao: *See—*

Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,800,310, Cl. 310-105.000.

Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,817,938, Cl. 272-73.000.

Itoh, Masataka, to NEC Corporation. Optical head for recording informations into a record medium and reproducing the same therefrom. 4,888,755, 12-19-89, Cl. 369-45.000.

Itoh, Masatoshi: *See—*

Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Hamada, Masataka; Ishibashi, Kenji; and Ootsuka, Hiroshi, 4,812,912, Cl. 358-227.000.

Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, 4,816,860, Cl. 354-402.000.

Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; and Kondo, Takashi. 4,843,456, Cl. 358-29.000.

Iida, Takashi; Tsumazawa, Hiroyuki; Itoh, Masatoshi; and Kiten, Hiroshi, 4,847,650, Cl. 354-400.000.

Itoh, Masaya: *See—*

Kimura, Soosaku; Itoh, Masaya; and Okabe, Takeshi, 4,811,525, Cl. 51-166.0MH.

Itoh, Masayoshi; Miyagawa, Hiroharu; Murakami, Masami; Abe, Tomohiro; Inoue, Kaoru; and Ikeda, Keiichi, to Mitsui Toatsu Chemicals, Inc. Process for producing silanes. 4,808,392, 2-28-89, Cl. 423-347.000.

Itoh, Michio; Saito, Tadashi; Okamura, Nobuyuki; Yamamoto, Hisao; Iseda, Yutaka; and Takagi, Hirohiko, to Bridgestone Corporation. Rubber-cord composite bodies. 4,818,601, 4-4-89, Cl. 428-297.000.

Itoh, Michio; Yamamoto, Hisao; and Okamura, Nobuyuki, to Bridgestone Corporation. Pneumatic tires. 4,871,794, 10-3-89, Cl. 524-254.000.

Itoh, Mikio, to Nippon Roki Co., Ltd. Cartridge filter incorporating a bag-like body. 4,882,051, 11-21-89, Cl. 210-248.000.

Itoh, Mitsuru. Garment. 4,796,305, 1-10-89, Cl. 2-97.000.

Itoh, Mituru. Door apparatus. 4,829,712, 5-16-89, Cl. 49-246.000.

Itoh, Mituru. Door apparatus. 4,875,306, 10-24-89, Cl. 49-208.000.

Itoh, Motohiko: *See—*

Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.

Itoh, Munehiko: *See—*

Sakamoto, Takaaki; Itoh, Munehiko; and Maeda, Shuji, 4,874,826, Cl. 525-534.000.

Itoh, Nobuaki; Kobayashi, Hiroaki; and Mizouchi, Masanori, to Toray Industries. Image transfer material for thermal recording. 4,849,287, 7-18-89, Cl. 428-337.000.

Itoh, Nobuaki: *See—*

Tsuchihashi, Tsuneyuki; and Itoh, Nobuaki, 4,825,908, Cl. 137-625.430.

Itoh, Nobuhiko: *See—*

Watahiki, Shinichi; Itoh, Nobuhiko; Ihata, Nobuo; and Miyasaka, Masao, 4,877,344, Cl. 400-124.000.

Itoh, Nobuhiro: *See—*

Kumada, Akira; Murata, Michihiro; Itoh, Nobuhiro; and Kitoh, Norimitsu, 4,833,390, Cl. 320-2.000.

Itoh, Noriie: *See—*

Takai, Makoto; Itoh, Noriie; Hattori, Shin; Hasegawa, Hirokazu; and Wakabayashi, Toshio, 4,816,486, Cl. 514-620.000.

Itoh, Saburo, to Matsuura Machinery Corporation. Pallet exchanging apparatus for machine tool. 4,799,582, 1-24-89, Cl. 198-346.100.

Itoh, Sakae, to Mitsubishi Denki Kabushiki Kaisha. Microcomputer with internally and externally programmed eprom. 4,807,114, 2-21-89, Cl. 364-200.000.

Itoh, Satoru; and Naganuma, Hiroshi, to Diesel Kiki Co., Ltd. Boost compensator. 4,864,993, 9-12-89, Cl. 123-383.000.

Itoh, Seiga; Sekine, Susumu; Taniguchi, Tadatsugu; Yoshida, Mitsuaki; and Sugano, Haruo, to Kyowa Hakko Kogyo Co., Ltd.; and Juridical Foundation, Japanese Foundation for Cancer Research. Derivative of adult T cell leukemia virus antigen peptide. 4,795,805, 1-3-89, Cl. 530-350.000.

Itoh, Seiga: *See—*

Miyaji, Hiromasa; and Itoh, Seiga, 4,851,512, Cl. 530-351.000.

Nishi, Tatsunari; Saito, Akiko; and Itoh, Seiga, 4,868,125, Cl. 435-320.000.

Sekine, Susumu; Mizukami, Tamio; Sato, Moriyuki; Itoh, Seiga; and Saito, Akiko, 4,849,359, Cl. 435-252.330.

Itoh, Seiki: *See—*

Matsuda, Minoru; Itoh, Seiki; and Ono, Hiroshi, 4,888,392, Cl. 526-279.000.

Itoh, Shigeo: *See—*

Morimoto, Kiyoshi; Watanabe, Hiroshi; Itoh, Shigeo; Ogawa, Yukio; and Uzawa, Satoshi, 4,881,005, Cl. 313-422.000.

Itoh, Shigeyuki; Watatani, Yoshizumi; and Tsunoka, Akitoshi, to Hitachi, Ltd.; and Hitachi Video Engineering, Inc. Apparatus for recording and reproducing digital using dynamic range compression. 4,825,305, 4-25-89, Cl. 360-8.000.

Itoh, Shinetsu: *See—*

Kondo, Tatsuhiko; Seo, Kenzo; Itoh, Shinetsu; Kanazawa, Masaru; and Okada, Kiyotaka, 4,807,040, Cl. 358-233.000.

Itoh, Sigeki; and Yoneda, Kiyoshi, to Suminoe Orimono Kabushiki Kaisha; and Kabushiki Kaisha Yoneda Tekkoh. Tufting machine. 4,831,948, 5-23-89, Cl. 112-80.430.

Itoh, Sumio, to Fujitsu Limited. Memory access control apparatus having empty real address storing memory and logical address/reat address pair storing memory. 4,890,226, 12-26-89, Cl. 364-200.000.

Itoh, Tadatsugu; Kohzu, Hideaki; and Hosono, Yasuhiro, to NEC Corporation. Bipolar transistor and process of fabrication thereof. 4,823,174, 4-18-89, Cl. 357-34.000.

Itoh, Tadayoshi: *See—*

Hamaguchi, Shigeki; Otsuka, Yasuhiro; Taga, Yasunori; Motohiro, Tomoyoshi; and Itoh, Tadayoshi, 4,813,768, Cl. 350-347.00R.

Itoh, Taichi: *See—*

Takita, Masaaki; Tsuru, Yoshikazu; Ushihara, Masaharu; Itoh, Taichi; and Tanaka, Masumi, 4,797.690, Cl. 346-105.000.

Itoh, Takaaki: *See—*

Tomoda, Atsuo; Kijima, Takao; Yamada, Muneharu, and Itoh, Takaaki, 4,821,830, Cl. 180-140.000.

Itoh, Takeshi; and Tsukahara, Akihiko, to Jidosha Denki Kogyo Kabushiki Kaisha. Automatic opening and closing device for a window. 4,870,333, 9-26-89, Cl. 318-286.000.

Itoh, Takuji; Saeki, Kazuo; and Kono, Koichi, to Toa Nenryo Kogyo Kabushiki Kaisha. Immobilized electrolyte membrane. 4,849,311, 7-18-89, Cl. 429-192.000.

Itoh, Takuji: *See—*

Arai, Mikiro; Isoda, Takeshi; and Itoh, Takuji, 4,840,778, Cl. 423-324.000.

Itoh, Teruaki. Apparatus for distributing liquid samples among test tubes and for dividing the test tubes into groups. 4,798,095, 1-17-89, Cl. 73-863.010.

Itoh, Teruyoshi: *See—*

Hosoe, Katsuharu; Itoh, Teruyoshi; Tachi, Ryosuke; and Nojiri, Takao, 4,883,033, Cl. 123-335.000.

Itoh, Tetsuo; Satoh, Noboru; Takahashi, Kazuhiko; Suminoe, Taro; and Shimizu, Takao, to Japan Synthetic Rubber Co., Ltd.; and Ricky Contact Lens, Inc. Non-hydrous soft contact lens and process for producing the same. 4,882,403, 11-21-89, Cl. 526-245.000.

Itoh, Tetsuo: *See—*

Matsuda, Takehisa; Iwata, Hiroo; and Itoh, Tetsuo, 4,806,614, Cl. 528-59.000.

Mawatari, Masaaki; Itoh, Tetsuo; Tsuchikawa, Syuji; and Kimura, Shinichi, 4,839,425, Cl. 525-92.000.

Itoh, Tetsuroh, to Mitsubishi Denki Kabushiki Kaisha. Wire electric discharge machining apparatus. 4,798,929, 1-17-89, Cl. 219-69.00W.
Itoh, Tetsuya; Iwai, Shougo; and Yoshikawa, Shizuo, to Sharp Kabushiki Kaisha. Shredding machine. 4,817,877, 4-4-89, Cl. 241-34.000.
Itoh, Tetsuya: *See—*
  Araki, Yasuo; Itoh, Tetsuya; Iwai, Shougo; and Fujii, Yoshinalu, 4,842,205, Cl. 241-34.000.
Itoh, Tomohiro, to NEC Corporation. Field effect device maintaining a high speed operation in a high voltage operation. 4,866,490, 9-12-89, Cl. 357-22.000.
Itoh, Tomohiro: *See—*
  Kasahara, Kensuke; Terakado, Tomoji; Inomoto, Yasumasa; Suzuki, Akira; and Itoh, Tomohiro, 4,829,346, Cl. 357-22.000.
  Kasahara, Kensuke; Itoh, Tomohiro; and Ohata, Keiichi, 4,837,605, Cl. 357-22.000.
Itoh, Toshikazu; and Tsuchiya, Satoru, to Oki Electric Industry Co., Ltd. Print head driving system. 4,810,113, 3-7-89, Cl. 400-124.000.
Itoh, Toshinobu; Nakaso, Noriyuki; Takino, Takashi; and Mishima, Mutsukata, to Mazda Motor Corporation. Intake apparatus for an engine. 4,819,588, 4-11-89, Cl. 123-52.00M.
Itoh, Toshio: *See—*
  Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Horii, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, 4,823,755, Cl. 123-480.000.
  Tanahashi, Toshio; Kanamaru, Masanobu; Itoh, Toshio; and Itoh, Kazuhiro, 4,883,030, Cl. 123-193.0CH.
  Yamashita, Yoshio; Kawazu, Ryuji; Itoh, Toshio; Asano, Takateru; and Kobayashi, Kenji, 4,801,518, Cl. 430-325.000.
Itoh, Toshiyuki: *See—*
  Nakayama, Okihiko; Itoh, Toshiyuki; and Ueno, Hiroshi, 4,796,189, Cl. 364-449.000.
Itoh, Tsutomu: *See—*
  Nagasaka, Hideo; Yamamoto, Masahiro; Morita, Tadao; Saitoh, Hiroshi; and Itoh, Tsutomu, 4,805,069, Cl. 361-226.000.
  Yamamoto, Masahiro; Kumata, Mituyosi; Kozoe, Katutoshi; and Itoh, Tsutomu, 4,811,689, Cl. 118-624.000.
Itoh, Yasuhiro; Sakamoto, Katsuji; and Miyabe, Hideki, to Kawasaki Jukogyo Kabushiki Kaisha. Apparatus for molding and solidifying a resinous composite structure. 4,828,472, 5-9-89, Cl. 425-143.000.
Itoh, Yasuo; Horiguchi, Fumio; Watanabe, Shigeyoshi; Ohuchi, Kazunori; and Ogura, Mitsugi, to Kabushiki Kaisha Toshiba. Semiconductor memory system with dynamic random access memory cells. 4,800,530, 1-24-89, Cl. 365-189.000.
Itoh, Yasuo: *See—*
  Horiguchi, Fumio; Itoh, Yasuo; Ogura, Mitsugi; and Momodomi, Masaki, 4,799,193, Cl. 365-149.000.
  Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.
Itoh, Yokichi: *See—*
  Yatsuda, Yuji; Hagiwara, Takaaki; Kondo, Ryuji; Minami, Shinichi; and Itoh, Yokichi, 4,851,364, Cl. 437-42.000.
Itoh, Yoshiaki; Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, to Sumitomo Electric Industries, Ltd. Method for producing material for semiconductor device. 4,830,820, 5-16-89, Cl. 419-23.000.
Itoh, Yoshiaki: *See—*
  Abe, Yoko; Satoh, Susumu; and Itoh, Yoshiaki, 4,863,952, Cl. 514-423.000.
Itoh, Yoshio: *See—*
  Kobayashi, Masaki; and Itoh, Yoshio, 4,811,261, Cl. 364-724.190.
  Kobayashi, Masaki; and Itoh, Yoshio, 4,868,775, Cl. 364-724.190.
  Kobayashi, Masaki; Itoh, Yoshio; and Kusaka, Hiroji, 4,879,726, Cl. 375-1.000.
  Ohtsuka, Hiroshi; Itoh, Yoshio; Nishimuro, Tadashi; and Mitsutomi, Hisamitsu, 4,824,254, Cl. 356-401.000.
Itoh, Yoshitoshi: *See—*
  Munakata, Chusuke; and Itoh, Yoshitoshi, 4,827,143, Cl. 250-574.000.
Itoh, Yuji, to Canon Kabushiki Kaisha. Particle analyzing apparatus using an afocal light beam. 4,839,528, 6-13-89, Cl. 250-574.000.
Itoh, Yuji; and Takahashi, Junichi, to Canon Kabushiki Kaisha. Ophthalmic photographing device. 4,856,890, 8-15-89, Cl. 351-206.000.
Itoh, Yuji; *See—*
  Kawasaki, Keiichi; Takahashi, Kazuhisa; and Itoh, Yuji, 4,796,035, Cl. 346-108.000.
  Takahashi, Junichi; and Itoh, Yuji, 4,799,783, Cl. 351-206.000.
Itoi, Goro: *See—*
  Tajima, Kyousuke; Itoi, Goro; and Sorimachi, Mitsuo, 4,838,815, Cl. 439-841.000.
Itoi, Hiroshi: *See—*
  Shibasaki, Ken-ichiro; Itoi, Hiroshi; Ohkubo, Shouichi; and Sano, Hiroshi, 4,879,281, Cl. 514-55.000.
Itoi, Masaaki, to Idemitsu Kosan Co., Ltd. Method of melt spinning pitch. 4,816,202, 3-28-89, Cl. 264-211.110.
Itoi, Masaaki: *See—*
  Ohta, Masakatsu; and Itoi, Masaaki, 4,887,957, Cl. 425-72.200.
Itoi, Toshiki: *See—*
  Nakamura, Hiroyuki; Ito, Masashi; Itoi, Toshiki; and Hashimoto, Akifumi, 4,842,392, Cl. 350-247.000.
Itoki Co., Ltd.: *See—*
  Inoue, Noboru, 4,830,431, Cl. 297-300.000.
Itoku, Osamu; Maehashi, Yukio; and Nishiguchi, Yukihiro, to NEC Corporation. Interruption control apparatus. 4,807,117, 2-21-89, Cl. 364-200.000.
Itor, Masaharu; and Tsujide, Kiyokazu, to Eisai Co., Ltd. Therapeutic and prophylactic agent for gastritis. 4,814,353, 3-21-89, Cl. 514-675.000.
Itou, Hidenori, to Kabushiki Kaisha Toshiba. Method of manufacturing a bulb. 4,869,698, 9-26-89, Cl. 445-22.000.
Itou, Hisao: *See—*
  Honda, Takashi; Furutani, Yasumasa; Ohashi, Kenya; Kashimura, Eiji; Minato, Akira; Ohsumi, Katsumi; and Itou, Hisao, 4,828,790, Cl. 376-306.000.
Itou, Kuniyasu: *See—*
  Shiraki, Kouji; Niwa, Minoru; Itou, Kuniyasu; Yamamoto, Tadashi; and Harata, Mitsuru, 4,852,907, Cl. 280-731.000.
Itou, Noriko, to Taiyo Fishery Co., Ltd. Process for preparing a food product having a food content and a dough for enveloping the food content. 4,814,194, 3-21-89, Cl. 426-549.000.
Itou, Osamu: *See—*
  Nakatsu, Keiji; Hayashi, Shigeo; Ogawa, Masaharu; Itou, Osamu; Watanabe, Isao; and Tanaka, Kunimaro, 4,835,752, Cl. 369-32.000.
Itou, Shinji. *See—*
  Oshita, Saiichiro; Mouri, Toyohiko; Takahashi, Tsutomu; and Itou, Shinji, 4,875,541, Cl. 180-79.100.
  Takahashi, Tsutomu; Itou, Shinji; Oshita, Saiichiro; and Mouri, Toyohiko, 4,834,203, Cl. 180-79.100.
Itou, Shuji: *See—*
  Mihara, Makoto; Inoue, Masanobu; Ohji, Kenzo; and Itou, Shuji, 4,875,533, Cl. 177-144.000.
  Sakamoto, Kazuho; Mihara, Makoto; Ohji, Kenzo; and Itou, Shuji, 4,825,967, Cl. 177-210.00C.
Itou, Susumu; Shinozawa, Yusaku; and Nakamura, Tsunoru, to Topy Kogyo Kabushiki Kaisha; and Watanabe Tekko Kabushiki Kaisha. Wheel rim forming machine. 4,848,125, 7-18-89, Cl. 72-105.000.
Itou, Takaaki: *See—*
  Uranishi, Kouji; and Itou, Takaaki, 4,809,667. Cl. 123-520.000.
  Uranishi, Kouji; and Itou, Takaaki, 4,834,050, Cl. 123-440.000.
  Uranishi, Kouji; and Itou, Takaaki, 4,838,229, Cl. 123-440.000.
  Uranishi, Kouji; and Itou, Takaaki, 4,841,940, Cl. 123-520.000.
Itou, Takeo; Matsuda, Hidemi; Yoshizako, Mamoru; and Yagi, Osamu, to Kabushiki Kaisha Toshiba; and Tama Chemicals Co., Ltd. Method of manufacturing cathode-ray tube. 4,873,120, 10-10-89, Cl. 427-64.000.
Itou, Takeo: *See—*
  Takenaka, Shigeo; Itou, Takeo; and Matsuda, Hidemi, 4,831,307, Cl. 313-478.000.
Itou, Tosio: *See—*
  Kobayashi, Yoshinobu; Itou, Tosio; and Inoue, Takayuki, 4,879,360, Cl. 525-396.000.
Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; Ichiba, Masao; Tachihara, Fumituga; and Awajitani, Takahisa, to Sanyo Electric Co., Ltd. Alkaline storage cell. 4,826,744, 5-2-89, Cl. 429-206.000.
Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; and Ichiba, Masao, to Sanyo Electric Co., Ltd. Alkaline storage cell and manufacturing method therefor. 4,880,435, 11-14-89, Cl. 29-623.500.
Itou, Yoshizumi: *See—*
  Ishiguro, Yasuo; Itou, Yoshizumi; and Shiroshita, Osamu, 4,831,547, Cl. 364-513.000.
  Ishiguro, Yasuo; Itou, Yoshizumi; Shiroshita, Osamu; and Nakano, Masaru, 4,836,742, Cl. 414-742.000.
Itou, Yuuzi; and Unno, Hiroaki, to Kabushiki Kaisha Toshiba. Ground circuit apparatus for electronic equipment. 4,868,702, 9-19-89, Cl. 361-42.000.
Itow, Koichiro, to Kabushiki Kaisha Komatsu Seisakusho. Air intake apparatus for use in diesel engine. 4,811,712, 3-14-89, Cl. 123-399.000.
Itoyama, Kuniyoshi; Horita, Norihiro; Seki, Shigemi; and Minami, Satoyuki, to Toray Industries, Inc. Biaxially oriented polyester film. 4,798,875, 1-17-89, Cl. 525-444.000.
Itoyama, Seiji; Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Bessho, Nagayasu; and Fujii, Tetsuya, to Kawasaki Steel Corporation. Apparatus for casting endless strip. 4,817,702, 4-4-89, Cl. 164-432.000.
Itozaki, Hideo; Tanaka, Saburo; Fujita, Nobuhiko; Yazu, Shuji; and Jodai, Tetsuji, to Sumitomo Electric Industries, Ltd. Superconducting material and a method for preparing the same. 4,880,773, 11-14-89, Cl. 505-1.000.
It's A Peach, Inc.: *See—*
  Marsh, Renee H.; Henderson, Regina H.; and Rearwin, Earle W., 4,852,188, Cl. 2-250.000.
  Rearwin, Earle W.; and Rearwin, Gayle L., 4,872,324, Cl. 66-172.00E.
ITS-Intern Transport System A/S: *See—*
  Solund, Jorgen, 4,805,780, Cl. 209-698.000.
Itsubishi Rayon Co., Ltd.: *See—*
  Itoh, Hajime; Takahashi, Hiroshi; Ohbori, Kouji; and Habara, Hideaki, 4,869,857, Cl. 264-41.000
Itsubo, Akira: *See—*
  Takeda, Kenji; Ishikawa, Ken; Kanetake, Tatsuo; Kojima, Takashi; and Itsubo, Akira, 4,863,763, Cl. 427-355.000.
Itsuji, Takayuki: *See—*
  Ichikawa, Norio; Itsuji, Takayuki; and Miki, Masayuki, 4,799,018, Cl. 324-465.000.
Itsuki, Yuji: *See—*
  Ichinomiya, Keizi; Okada, Kouichi; Itsuki, Yuji; and Tsuchikura, Kaname, 4,890,033, Cl. 313-487.000.
Itsumi, Tadashi: *See—*
  Iwamura, Soichi; Suga, Mitsuhiro; and Itsumi, Tadashi, 4,868,815, Cl. 370-71.000.

Isao, Nishioka; Genichiro, Nonaka; Michihiro, Fujiwara; and Showa, Ueki, to Kabushiki Kaisha Tsumura Juntendo. Tannin compounds. 4,806,659, 2-21-89, Cl. 549-399.000.
ITT, a division of ITT Corporation Gallium Arsenide Technology Center: *See—*
  Balzan, Matthew L.; Geissberger, Arthur E.; and Sadler, Robert A., 4,849,376, Cl. 437-228.000.
ITT Aerospace Optical, a division of ITT Corporation: *See—*
  Predina, Joseph P., 4,843,291, Cl. 318-605.000.
  Wilcox, Jack E., 4,801,202, Cl. 356-152.000.
ITT Avionics, a division of ITT Corporation: *See—*
  Feerst, Irwin, 4,811,425, Cl. 455-317.000.
  Mohuchy, Wolodymyr, 4,864,315, Cl. 343-703.000.
  Purdy, Calvin W., 4,804,287, Cl. 403-16.000.
  Trojanowski, Norbert T., 4,795,361, Cl. 439-368.000.
ITT Composants et Instruments: *See—*
  Lefebvre, Jean-Claude, 4,803,321, Cl. 200-517.000.
ITT Corporation: *See—*
  Batchelder, Paul J.; and Brentar, Francisco X., 4,794,735, Cl. 49-503.000.
  Bertrand, John; and Noah, Matthew J., 4,890,327, Cl. 381-38.000.
  Borsuk, Leslie M.; Woith, Blake F.; and Corrales, Patrick G., 4,804,243, Cl. 350-96.200.
  Borsuk, Leslie M.; and Coutts, Bruce, 4,854,663, Cl. 350-96.200.
  Burgei, Russel J.; and Schap, William W., 4,795,002, Cl. 188-2.00D.
  Burgei, Russell J., 4,864,886, Cl. 74-536.000.
  Cabourne, Michael K., 4,806,104, Cl. 439-66.000.
  Cabourne, Michael K., 4,840,569, Cl. 439-65.000.
  Cameron, Gregory W., 4,817,463, Cl. 74-781.00R.
  Carlson, Christopher M.; and Deninno, Nicholas, 4,876,545, Cl. 342-14.000.
  Clark, Kenneth M.; Borsuk, Leslie M.; and Coutts, Bruce, 4,798,431, Cl. 350-96.200.
  Clark, Kenneth M., 4,798,441, Cl. 350-96.200.
  Clark, Kenneth M.; and Coutts, Bruce, 4,804,395, Cl. 65-2.000.
  Dennany, Robert D., Jr.; and Pontbriand, Duane J., 4,875,715, Cl. 285-87.000.
  DeSantis, Gerald J.; and Brentar, Francisco X., 4,831,503, Cl. 362-80.000.
  Elderton, Peter P., 4,862,734, Cl. 73-49.200.
  Feamster, Kim L., 4,797,118, Cl. 439-264.000.
  Flowers, Charles V.; and Sass, Bernard J., 4,887,853, Cl. 285-287.000.
  Friend, Alden E.; and Dunham, Lawrence A., 4,887,631, Cl. 137-74.000.
  Gerety, Eugene P.; and Vij, Jitender K., 4,800,523, Cl. 364-900.000.
  Gerety, Eugene P.; and Vij, Jitender K., 4,821,180, Cl. 364-200.000.
  Griffith, Donald L.; and Acar, Ali, 4,826,130, Cl. 251-129.150.
  Grunwald, Henry C., 4,888,518, Cl. 313-40.000.
  Hamilton, Jeffrey S., 4,796,299, Cl. 380-14.000.
  Herringshaw, Steven D.; Szefi, Robert J.; Batchelder, Paul J.; and Brentar, Francisco X., 4,827.671, Cl. 49-503.000.
  Hope, James E.; Leyerle, John C.; Birzer, Richard; and Hohman, Jeffrey L., 4,842,005, Cl. 137-101.190.
  Kamenster, Boris A., 4,831,883, Cl. 73-861.220.
  Kamenster, Boris A., 4,833,923, Cl. 73-861.240.
  Kamenster, Boris A., 4,864,707, Cl. 29-157.10R.
  Koerner, Charles B., 4,876,546, Cl. 342-15.000.
  Landis, Richard C., 4,866,504, Cl. 357-68.000.
  Lawford, Victor N., 4,829,825, Cl. 73-706.000.
  Lisi, Dominic A., 4,808,040, Cl. 405-303.000.
  Lisi, Dominic A., 4,808,041, Cl. 405-303.000.
  Loucks, Richard S., 4,866,447, Cl. 342-58.000.
  Morton, Steven G., 4,831,519, Cl. 364-200.000.
  Morton, Steven G., 4,852,048, Cl. 364-200.000.
  Muzslay, Steven Z., 4,806,105, Cl. 439-74.000.
  Muzslay, Steven Z., 4,820,199, Cl. 439-599.000.
  Muzslay, Steven Z., 4,828,510, Cl. 439-352.000.
  Muzslay, Steven Z., 4,840,585, Cl. 439-556.000.
  Plumb, Richard G. S., 4,830,986, Cl. 437-129.000.
  Rofer, David; Hyzin, Peter J.; and Conrad, Thomas W., 4,812,129, Cl. 439-79.000.
  Roshen, Waseem A.; Turcotte, David E.; and Regelman, Dale F., 4,837,659, Cl. 361-270.000.
  Roshen, Waseem A.; Turcotte, David E.; and Regelman, Dale F., 4,862,129, Cl. 336-61.000.
  Rutenberg, Mark R., 4,870,575, Cl. 364-300.000.
  Stempien, Vincent M., 4,794,734, Cl. 49-374.000.
  Watson, Christopher A.; Fox, Howard G.; and Nguyen, Tuyen Q., 4,809,558, Cl. 73-861.220.
  Weber, James L., 4,800,993, Cl. 188-72.600.
  Weber, James L., 4,884,403, Cl. 60-547.100.
  Williams, Jack L., 4,878,880, Cl. 464-37.000.
  Wilson, Albert H.; and Welsh, David E., 4,808,118, Cl. 439-95.000.
  Wilson, Albert H., 4,808,126, Cl. 439-607.000.
  Wilson, Albert H.; and Welsh, David E., 4,812,137, Cl. 439-607.000.
ITT Defense Communications, a division of ITT Corporation: *See—*
  Baker, Anthony P., 4,813,769, Cl. 350-347.00E.
  Batzer, John L.; and Kneib, Kristine N., 4,856,030, Cl. 375-106.000.
  Carmichael, Philip D.; and Finley, Thomas E., 4,837,721, Cl. 364-703.000.
  Landell, Blakely P.; and Wohlford, Robert E., 4,811,399, Cl. 381-43.000.
  McAdams, Richard L., 4,822,141, Cl. 350-330.000.
  Wrench, Edwin H., Jr.; Wohlford, Robert; and Naylor, Joe, 4,837,830, Cl. 381-42.000.
ITT Electro Optical Products, a division of ITT Corporation: *See—*
  Drinkwine, Monte J., 4,853,098, Cl. 204-192.280.
  Johnson, Charles B.; and Augustine, Francis J., 4,822,994, Cl. 250-213.0VT.
  Reed, Joseph; and Caserta, Joseph N., 4,843,229, Cl. 250-213.0VT
  Sink, Ronald A., 4,853,020, Cl. 65-4.100.
ITT Gallium Arsenide Technology Center, a division of ITT Corporation: *See—*
  Balzan, Matthew L.; Geissberger, Arthur E.; and Sadler, Robert A., 4,847,212, Cl. 437-41.000.
  Geissberger, Arthur E.; and Claytor, Philippe R., 4,832,761, Cl. 148-33.300.
  Landis, Richard C., 4,816,967, Cl. 361-401.000.
  Thompson, George H. B., 4,814,836, Cl. 357-22.000.
  Thompson, George H. B., 4,833,512, Cl. 357-22.000.
  Young, John M., 4,804,635, Cl. 437-41.000.
ITT Gilfillan, a division of ITT Corporation: *See—*
  Kruger, Bradford E., 4,803,490, Cl. 342-158.000.
  Levine, Arnold M., 4,814,779, Cl. 343-754.000.
  Loucks, Richard S., 4,823,020, Cl. 307-106.000.
  Milan, John M.; and Grantham, George W., 4,851,850, Cl. 342-90.000.
  Rathi, Dev D., 4,875,050, Cl. 342-195.000.
  Shearin, Thayer L., 4,827,267, Cl. 342-201.000.
  Sterns, William G.; and Cho, Ching-Fai, 4,814,780, Cl. 343-756.000.
ITT Industries, Inc.: *See—*
  Belart, Juan, 4,807,942, Cl. 303-114.000.
  Belart, Juan, 4,819,433, Cl. 60-547.100.
  Erikson, Magnus, 4,802,783, Cl. 403-2.000.
  Feger, Rolf; and Holzmacher, Gunther, 4,809,143, Cl. 362-249.000.
  Janniere, Alain; and Teisseire, Jean-Pierre, 4,868,535, Cl. 337-68.000.
  Stoka, Roberto, 4,817,764, Cl. 188-73.440.
  Wagner, Wilfried, 4,819,544, Cl. 91-369.400.
ITT Research Institute: *See—*
  Murarka, Narayan P.; Kogler, Kent J.; Bartholomew, Craig S.; Betz, Howard T.; and Harris, Richard J., 4,837,044, Cl. 427-10.000.
ITT Standard, a division of ITT Corporation: *See—*
  Fuerschbach, Raymond F., 4,815,534, Cl. 165-167.000.
  Fuerschbach, Raymond F.; Creighton, Timothy P.; and Fijas, David F., 4,872,578, Cl. 165-167.000.
ITT SWF Auto-Electric GmbH: *See—*
  Egner-Walter, Bruno; Schmid, Eckhardt; and Scholl, Wolfgang, 4,879,783, Cl. 15-250.210.
  Scholl, Wolfgang, 4,877,186, Cl. 239-75.000.
Ittemann, Peter; and Eisenbarth, Philipp, to BASF Aktiengesellschaft. Heat-curable molding compositions. 4,873,284, 10-10-89, Cl. 524-548.000.
Ittemann, Peter: *See—*
  Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; Henkelmann, Jochem; Muenstedt, Helmut; and Ittemann, Peter, 4,867,912, Cl. 528-125.000.
  Lausberg, Dietrich; Blinne, Gerd; Ittemann, Peter; Heinz, Gerhard; Seiler, Erhard; and Knoll, Manfred, 4,798,855, Cl. 523-435.000.
Ittmann, Guenther; and Krieg, Manfred, to Rohm GmbH. Curable casting resins. 4,826,901, 5-2-89, Cl. 324-145.000.
ITW, Ltd.: *See—*
  Bushnell, Raymond N., 4,856,950, Cl. 411-41.000.
  Cosgrove, Ronald C.; and Barrowclough, Philip, 4,809,869, Cl. 220-288.000.
  Hewison, George D., 4,878,793, Cl. 411-387.000.
  Hewison, George D., 4,881,861, Cl. 411-383.000.
ITW New Zealand Limited: *See—*
  Jowsey, Clifford G., 4,878,302, Cl. 40-302.000.
Itzel, Hanshelmut: *See—*
  Kauth, Hans-Herbert; and Itzel, Hanshelmut, 4,796,381, Cl. 43-124.000.
Iu, Stephen C. Vehicle window sunshine shields dot. 4,842,322, 6-27-89, Cl. 296-97.700.
Iuchi, Tetsuya; Nobuta, Masao; and Hashimoto, Seiji, to Shikoku Kakoki Co., Ltd. Packaging machine. 4,866,907, 9-19-89, Cl. 53-299.000.
Iuchi, Tetsuya: *See—*
  Nobuta, Masao; and Iuchi, Tetsuya, 4,871,001, Cl. 141-279.000.
Iuchi, Yasuaki, to Toyoda Gosei Co., Ltd. Steering wheel. 4,800,775, 1-31-89, Cl. 74-552.000.
Iuchi, Yasuaki, to Toyoda Gosei Co., Ltd. Steering wheel. 4,876,915, 10-31-89, Cl. 74-552.000.
Iue-Tzung, Hung; Wen-Cherng, Jang; and Li-Gung, Lee. Combined toilet seat and reelable seat cover. 4,847,922, 7-18-89, Cl. 4-247.000.
Iura, Kazuo: *See—*
  Yoshida, Kinzi; Yamamoto, Akira; and Iura, Kazuo, 4,884,430, Cl. 72-281.000.
Iura, Tadashi, to Hoxan Corporation. Movable bed vehicle. 4,858,261, 8-22-89, Cl. 5-81.00B.
IVAC Corporation: *See—*
  Maget, Henri J. R., 4,886,514, Cl. 604-891.100.
Ivan, Steve D., to Wickes Manufacturing Company. Adjustable accelerator and brake pedal mechanism. 4,870,871, 10-3-89, Cl. 74-513.000.
Ivancevic, Mirko, to Litton Systems, Inc. Quadrupole-wound fiber optic sensing coil and method of manufacture thereof. 4,856,900, 8-15-89, Cl. 356-350.000.
Ivanchenko, Andrei F.: *See—*
  Budyko, Viktor A.; Ivanchenko, Andrei F.; Krokhmal, Vladimir M.; Konovalenko, Vladimir V.; Nechvolodov, Georgy V.; Las-

tochkin, Boris N.; and Kutsov, Valentin D., 4,885,654, Cl. 361-13.000.

Ivanditto, Joseph. Sandpaper cleaning tool. 4,794,739, 1-3-89, Cl. 51-262.00A.

Ivankovic, Stanislav: *See—*
  Kuhne, Friedrich W.; and Ivankovic, Stanislav, 4,851,222, Cl. 424-661.000.

Ivankovich, Anthony K.: *See—*
  Djordjevich, Ljubomir; and Ivankovich, Anthony K., 4,873,987, Cl. 128-672.000.

Ivannikov, Alfred V., to Vsesojuzny Nauchno-Issledovatelsky Proektno-konstruktorsky I Tekhnologichesky Institut Elektrosvarochnogo Oborudovania. Swivel-head welding torch for gas-shielded nonconsumable-electrode arc welding. 4,806,722, 2-21-89, Cl. 219-75.000.

Ivanoff, Lucinda A.; and Petteway, Steven R., to Du Pont de Nemours, E. I., and Company. Human immunodeficiency virus antigen. 4,861,707, 8-29-89, Cl. 435-5.000.

Ivanov, Alexei A.: *See—*
  Ismagilov, Zinfer R; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.

Ivanov, Jury A.: *See—*
  Babitsky, Vladimir I.; Gerts, Mikhail E.; Ivanov, Jury A.; Maiorov, Vladimir S.; Makarov, Nikolai S.; and Tresvyatsky, Alexandr N., 4,795,878, Cl. 219-121.800.

Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and by Belkin, Naum S., administrator. Carbamic acid derivatives and method for preparing same. 4,797,494, 1-10-89, Cl. 548-374.000.

Ivanov, Sergei K.; Dudkin, Viktor E.; Peredery, Valery P.; and Molchanov, Viktor N. Axial-flow fan. 4,871,294, 10-3-89, Cl. 415-58.700.

Ivanov, Tshavdar B.: *See—*
  Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.

Ivanov-Tsyganov, Anatoly I.: *See—*
  Spiridonov, Jury A.; Khandogin, Vladimir I.; and Ivanov-Tsyganov, Anatoly I., 4,816,986, Cl. 363-132.000.

Ivanova, Irina A.: *See—*
  Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,839,380, Cl. 517-424.000.
  Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,876,360, Cl. 548-550.000.

Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., to T P O Pharmachim. Anti-ulcer composition. 4,806,548, 2-21-89, Cl. 514-310.000.

Ivan's Idiosyncrasy, Inc.: *See—*
  Gibas, Daniel F., 4,798,265, Cl. 184-105.100.

Ivarsson, Lennart; and Lundqvist, Rolf, to Hoganas AB; and Nordsec Security AB. Refractory material and its use. 4,806,168, 2-21-89, Cl. 106-104.000.

Ivarsson, Roland H.: *See—*
  Anflo, Kjell S.; Grabs, Jan W. I.; and Ivarsson, Roland H., 4,823,133, Cl. 342-199.000.

Ivasauskas, Jonas: *See—*
  Willinger, Allan H.; and Ivasauskas, Jonas, 4,861,468, Cl. 210-169.000.

Ivaschenko, Alexandr V.: *See—*
  Bezborodov, Vladimir S.; Grinkevich, Oleg A.; Grebenkin, Mikhail F.; Lapanik, Valery I.; Minko, Anatoly A.; Rzhussky, Vitaly V.; Muravsky, Anatoly A.; Petrov, Vladimir F.; and Ivaschenko, Alexandr V., 4,853,150, Cl. 252-299.610.

Ivashina, Albina I.: *See—*
  Fedorov, Svyatoslav N.; Soloviev, Sergei A.; Degtev, Evgeny I.; Ivashina, Albina I.; and Karavaev, Alexandr A., 4,884,569, Cl. 128-305.000.

Ivashina, Evgeny N.: *See—*
  Kolganov, Gennady S., Volkov, Stanislav S.; Rudnev, Jury A.; Mizin, Vladimir G.; and Ivashina, Evgeny N., 4,818,281, Cl. 75-51.500.

Ivchenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., to I. Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Aljuminievoi, Magnievoi I Elektrodnoi Promyshlennosti; and Spetsialnoe Konstruktorskoe Bjuro Magnitnoi Gidrodinamiki Instituta Fiziki Akademii Nauk Latviiskoi SSR. Process for producing aluminium-silicon alloy with content of silicon of 2-22% by mass. 4,808,375, 2-28-89, Cl. 420-548.000.

Ive, John G. S., to Sony Corporation Digital video recording. 4,855,843, 8-8-89, Cl. 360-10.200.

Ive, John G. S.: *See—*
  Wilkinson, James H.; and Ive, John G. S., 4,819,089, Cl. 360-22.000.

Iveco Fiat S.p.A.: *See—*
  Mathis, Christian, 4,884,545, Cl. 123-447.000.

Ivers, Douglas E.; Miller, Lane R.; and Schroeder, Warren R., to Lord Corporation. Vibration attenuating method utilizing continuously variable semiactive damper. 4,887,699, 12-19-89, Cl. 188-378.000.

Iversen, Alfred A.; and Eastman, William, to PMT Corporation. Process for manufacturing an expandable member. 4,803,029, 2-7-89, Cl. 264-264.000.

Iversen, Alfred A.: *See—*
  Van Beek, Allen L.; Iversen, Alfred A.; and Eastman, William J., 4,863,469, Cl. 623-8.000.

Iversen, Arthur H. Melt spin chill casting apparatus. 4,794,977, 1-3-89, Cl. 164-423.000.

Iversen, Arthur H.; and Whitaker, Stephen, to Iversen, Arthur H. Means for temperature control of heated surfaces. 4,799,543, 1-24-89, Cl. 165-135.000.

Iversen, Arthur H. Compact high power modular RF semi-conductor systems packaging. 4,873,613, 10-10-89, Cl. 361-385.000.

Iversen, Kristian; and Zacho, Per G., to Danfoss A/S. Electric laminar resistor and method of making same. 4,853,671, 8-1-89, Cl. 338-308.000.

Iversen, Robert E.: *See—*
  Ostertag, Alfred; Iversen, Robert E.; Hyland, Craig R.; Eaever, Kenneth D.; and Radford, Steven R., 4,870,548, Cl. 175-340.000.

Iverslie, Scott P.: *See—*
  Meline, Harry R.; and Iverslie, Scott P., 4,884,456, Cl. 73-826.000.

Iverson, Ralph, to Whittaker Corporation. Strain relief and connector-cable assembly bearing the same. 4,874,331, 10-17-89, Cl. 439-449.000.

Ives, Christopher. Linear propeller. 4,846,091, 7-11-89, Cl. 114-270.000.

Ives, Donald H.: *See—*
  Edwards, D. Brandon; Edwards, Bruce W.; Howard, Ian D.; and Ives, Donald H., 4,877,316, Cl. 350-537.000.

Ives, Frank E., to PMC, Inc. Apparatus for forming a continuous plastic sheet. 4,828,432, 5-9-89, Cl. 405-270.000.

Ives, Fred H.; Dickerson, Robert T.; Dickerson, William J.; McNamee, Michael D.; and Talbot, Mark D., to Hewlett-Packard Company. Multi-channel modulated numerical frequency synthesizer. 4,806,881, 2-21-89, Cl. 332-22.000.

Ives, Michael T.: *See—*
  Foreman, Robert W.; and Ives, Michael T., 4,844,749, Cl. 148-242.000.

Ives, Milton N.: *See—*
  Sorenson, Richard W.; Ives, Milton N.; and Sapone, Frank P., 4,803,314, Cl. 200-11.00J.

Ives, Robert L.; Jory, Howard R.; and Feinstein, Joseph, to Varian Associates, Inc. Mode suppressors for whispering gallery gyrotron. 4,851,788, 7-25-89, Cl. 331-91.000.

Ivester, Frank D.; Sransky, Kenneth P.; and Bonds, James C., to Combustion Engineering, Inc. Collecting electrode panel assembly with coupling means. 4,869,736, 9-26-89, Cl. 55-156.000.

Ivestronica, S.A.: *See—*
  Martinez Llaneza, Manuel, 4,807,536, Cl. 104-88.000.

Ivex Corporation: *See—*
  Blanton, Keith A.; Finlay, William M.; Sinclair, Michael J.; and Tumblin, John E., 4,873,585, Cl. 358-335.000.

Ivey, Charles W.; Wilson, David G.; and Thorne, Clarence R., to Fasco Industries, Inc. Lamp, reflector and grille interlock assembly. 4,862,334, 8-29-89, Cl. 362-149.000.

Ivey, Don L., to Texas A&M University System, The. Advanced dynamic impact extension module. 4,822,208, 4-18-89, Cl. 404-6.000.

Ivie, Frank M., to Tektronix, Inc. Digital video probe system. 4,814,872, 3-21-89, Cl. 358-139.000.

Ivie, Paul B. Variably convergent exhaust nozzle for a model ducted fan unit. 4,850,535, 7-25-89, Cl. 239-265.390.

Ivy, Jessie T. Vehicular track drive assembly. 4,863,420, 9-5-89, Cl. 474-901.000.

Ivy Medical, Inc.: *See—*
  Lawler, Casimir E., Jr., 4,820,281, Cl. 604-253.000.

Iwabe, Kuzuki, to Hitachi Denshi Kabushiki Kaisha. Dynamic image correction method of offsets of various image pickup characteristics of a television camera system caused by variations in various image pickup conditions. 4,827,333, 5-2-89, Cl. 358-5.00X.

Iwabuchi, Eisuke: *See—*
  Isono, Osamu; Fukui, Toshimasa; Nishino, Tetsuo; Tachibana Tetsuo; and Iwabuchi, Eisuke, 4,837,761, Cl. 370-60.000.

Iwabuchi, Hidetoshi: *See—*
  Abe, Yoshiaki; and Iwabuchi, Hidetoshi, 4,839,168, Cl. 424-74.000.

Iwabuchi, Hitoshi: *See—*
  Takata, Yoshinori; and Iwabuchi, Hitoshi, 4,849,110, Cl. 210-656.000.

Iwabuchi, Koichi: *See—*
  Watai, Minoru; Nishimuro, Yasukazu; and Iwabuchi, Koichi, 4,828,165, Cl. 232-43.100.

Iwabuchi, Koji; Tawada, Masaharu; Kanagawa, Noriyuki; Aoyama Mituhiro; Yamazaki, Katsuhiro; and Kaneko, Kazuo, to Hitachi Heating Appliances Co., Ltd. Microwave oven having automatic bread making function. 4,845,327, 7-4-89, Cl. 219-10.55F.

Iwabuchi, Koji; Kubota, Tetsuo; Tanaka, Yukio; and Tawada Masaharu, to Hitachi Heating Appliances, Co., Ltd. Radiation sealed door in a microwave heating apparatus. 4,868,359, 9-19-89, Cl. 219-10.55D.

Iwabuchi, Muneyuki: *See—*
  Tsunekawa, Kyosuke; Fukuta, Ken; and Iwabuchi, Muneyuki, 4,820,667, Cl. 501-104.000.

Iwabuchi, Osamu; and Hama, Hiroyuki, to Mitsubishi Denki Kabushiki Kaisha. Bus bar connector. 4,846,695, 7-11-89, Cl. 439-17.000.

Iwabuchi, Tadashi; and Kawakami, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Water-cooled winding for electromagnetic stirrer. 4,836,769, 6-6-89, Cl. 428-377.000.

Iwabuchi, Takashi: *See—*
  Miyata, Takeo; Ono, Takuhiro; Iwabuchi, Takashi; Ikedo, Masaru; and Watari, Masafumi, 4,812,016, Cl. 350-320.000.
  Miyata, Takeo; and Iwabuchi, Takashi, 4,856,019, Cl. 372-99.000.

Iwabuchi, Toshiyuki: *See—*
  Uchiyama, Akira; Masaki, Yuuichi; Iwabuchi, Toshiyuki; Nomoto, Tsutomu; and Sakamoto, Masaaki, 4,885,622, Cl. 357-30.000.

Iwadare, Shigeto: *See—*
  Toda, Toshihiro; Mukainakano, Masato; Iwadare, Shigeto; and Ihara, Masatoshi, 4,817,372, Cl. 56-12.800.

Iwadare, Shuichi: *See—*
  Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, 4,833,268, Cl. 562-444.000.

Iwadate, Kazumi; and Harada, Katsuhiro, to Nippon Telegraph and Telephone Corporation. Highly sensitive positive resist mixture. 4,820,609, 4-11-89, Cl. 430-270.000.

Iwadate, Kazumi: *See—*
  Okumura, Masahide; Matsuzaka, Takashi; Matsuoka, Genya; Iwadate, Kazumi; Matsuda, Tadahiro; and Yamaguchi, Ryoichi, 4,808,829, Cl. 250-491.100.

Iwado, Hitoshi: *See—*
  Ichikawa, Kenji; Tsukamoto, Noboru; Iwado, Hitoshi; and Iida, Eishi, 4,830,992, Cl. 501-100.000.

Iwado, Shuichi: *See—*
  Kuwamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, 4,883,606, Cl. 252-32.500.

Iwafuji, Yasunori: *See—*
  Onda, Kenichi; Matsuda, Yasuo; Abe, Kojin; Iwafuji, Yasunori; Aoyama, Hiroyuki; and Yoshinaka, Hideo, 4,858,096, Cl. 363-22.000.

Iwafune, Yasuo: *See—*
  Matsumoto, Yasuo; Murakami, Kazunori; Ikumi, Tomonori; and Iwafune, Yasuo, 4,875,748, Cl. 350-6.800.

Iwagaki, Masaru; Masukawa, Toyoaki; Komamura, Tawara; Ishikawa, Wataru; and Hoshino, Kimie, to Konishiroku Photo Industry Co., Ltd. Heat-transfer image-receiving element. 4,840,870, 6-20-89, Cl. 430-201.000.

Iwagaki, Masaru; Sasaki, Takashi; Kumamura, Tawara; Ishii, Fumio; and Koshizuka, Kunihiro, to Konishiroku Photo Industry Co., Ltd. Heat developable color light-sensitive material. 4,840,882, 6-20-89, Cl. 430-505.000.

Iwagaki, Masaru: *See—*
  Kohno, Junichi; Okauchi, Ken; Goto, Sohei; Iwagaki, Masaru; and Komamura, Tawara, 4,837,141, Cl. 430-559.000.
  Komamura, Tawara; Ikeuchi, Satoru; Iwagaki, Masaru; Sasaki, Takashi; and Ishikawa, Wataru, 4,871,647, Cl. 430-201.000.

Iwagawa, Yoshihiro: *See—*
  Muto, Tetsuji; Matsuda, Shohei; Iwagawa, Yoshihiro; and Yahagi, Toshio, 4,802,711, Cl. 303-96.000.

Iwagaya, Takashi, to Fanuc Ltd. Method of restoring commanded position. 4,864,508, 9-5-89, Cl. 364-474.190.

Iwahara, Makoto: *See—*
  Takahashi, Itsuo; Nakagaki, Shintaro; Iwahara, Makoto; Shinonaga, Hirohiko; Furuya, Masato; and Asakura, Tsutou, 4,831,452, Cl. 358-213.140.

Iwahara, Takahisa; and West, Robert C., to Kanegafuchi Chemical Industry Co., Ltd. Method of preparing cyclic disilanylene-acetylenes. 4,845,255, 7-4-89, Cl. 556-406.000.

Iwahashi, Haruo; and Nakazawa, Kazuhiro, to Konica Corporation. Image forming apparatus. 4,797,707, 1-10-89, Cl. 355-14.00R.

Iwahashi, Hiroshi; and Asano, Masamichi, to Kabushiki Kaisha Toshiba. Semiconductor memory device with a sense amplifier. 4,799,195, 1-17-89, Cl. 365-185.000.

Iwahashi, Hiroshi, to Kabushiki Kaisha Toshiba. Semiconductor memory device. 4,821,237, 4-11-89, Cl. 365-189.000.

Iwahashi, Hiroshi, to Kabushiki Kaisha Toshiba. Nonvolatile semiconductor memory device. 4,845,680, 7-4-89, Cl. 365-185.000.

Iwahashi, Hiroshi: *See—*
  Asano, Masamuchi; and Iwahashi, Hiroshi, 4,805,150, Cl. 365-230.000.
  Kato, Hideo; Iwahashi, Hiroshi; Asano, Masamichi; Narita, Akira; and Kikuchi, Shinichi, 4,804,929, Cl. 331-57.000.
  Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,819,212, Cl. 365-230.000.
  Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,831,592, Cl. 365-189.090.
  Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, 4,858,192, Cl. 365-200.000.
  Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, 4,882,507, Cl. 307-443.000.

Iwahashi, Kunimitsu, to Sugiyasu Industries Co., Ltd. Underground vehicle lift. 4,886,145, 12-12-89, Cl. 187-8.710.

Iwahashi, Naoto: *See—*
  Higashiyama, Mitsuo; Iwahashi, Naoto; Kunihiro, Takushi; and Nakai, Jun, 4,837,802, Cl. 379-62.000.

Iwahashi, Yuji, to Sony Corporation. Tape reel for tape cassette. 4,807,826, 2-28-89, Cl. 242-71.800.

Iwahashi, Yuuji; and Urayama, Kiyoshi, to Sony Corp. Mounting arrangements for levy springs acting against tape reels in a cassette. 4,802,044, 1-31-89, Cl. 360-132.000.

Iwahori, Keisuke; and Fujiu, Masao, to Kabushiki Kaisha Meidensha. Equipment for treating waste water. 4,824,563, 4-25-89, Cl. 210-195.100.

Iwai, Fumio: *See—*
  Goto, Shigenori; and Iwai, Fumio, 4,835,560, Cl. 354-238.100.
  Goto, Shigenori; and Iwai, Fumio, 4,885,599, Cl. 354-173.110.
  Tanaka, Yasuhiko; Iwai, Fumio; Kobayashi, Hideo; and Komatsuzaki, Hiroshi, 4,829,328, Cl. 354-173.100.

Iwai, Hiromi; Nakajima, Masatoshi; Asaga, Hiroshi; Takao, Nobuyuki; Shiga, Satoru; and Tanabe, Yoshihiro, to Fuji Electric Co., Ltd. Method of diagnosing the deterioration of a zinc oxide type lightning arrester utilizing vector synthesis. 4,866,393, 9-12-89, Cl. 324-549.000.

Iwai, Hiroshi: *See—*
  Maeda, Satoshi; and Iwai, Hiroshi, 4,872,042, Cl. 357-23.600.
  Tsujimoto, Jun-ichi; Matsui, Masataka; Iwai, Hiroshi; and Ohtani, Takayuki, 4,881,202, Cl. 365-200.000.

Iwai, Hiroyuki: *See—*
  Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Yoshizawa, Toru; Kawano, Toshihiko; and Iwai, Hiroyuki, 4,810,790, Cl. 544-311.000.

Iwai, Ichiro: *See—*
  Otsuka, Tatsuo; Iwai, Ichiro; and Yamaguchi, Noboru, 4,852,791, Cl. 228-183.000.

Iwai, Isamu; Okamoto, Toshio; and Doi, Miwako, to Kabushiki Kaisha Toshiba. Document processing system deciding apparatus provided with selection functions. 4,876,665, 10-24-89, Cl. 364-900.000.

Iwai, Isamu: *See—*
  Okamoto, Toshio; Doi, Miwako; and Iwai, Isamu, 4,813,010, Cl. 364-900.000.

Iwai, Kazuo; Kanazawa, Teiichi; and Oyaizu, Yoshijiro, to Ihara Chemical Industry Co., Ltd. Coating of granular aromatic diamine. 4,869,961, 9-26-89, Cl. 428-407.000.

Iwai, Kenji; Furuta, Seiya; Takigawa, Hiroshi; and Kawai, Nobuyasu, to Director General, Agency of Industrial Science and Technology. Method of making heat resistant heavy-duty components of a turbine by superplasticity forging wherein different alloys are junctioned. 4,825,522, 5-2-89, Cl. 29-156.80R.

Iwai, Kiyoshi: *See—*
  Kawamata, Yoshio; and Iwai, Kiyoshi, 4,857,279, Cl. 422-268.000.

Iwai, Koji: *See—*
  Ito, Ryoichi; Iwai, Koji; Nishida, Tsuyoshi; and Kimura, Junji, 4,883,024, Cl. 123-41.700.

Iwai, Masakazu; Yokoyama, Kazumasa; and Fukushima, Tsunekazu, to Green Cross Corporation, The. Therapeutic and prophylactic agent for gastrointestinal ulcers. 4,849,404, 7-18-89, Cl. 514-2.000.

Iwai, Masakazu: *See—*
  Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.

Iwai, Masato; Morishita, Ichiro; and Nakayama, Masaru, to Alps Electric Co., Ltd. Objective lens for optical pickup. 4,820,029, 4-11-89, Cl. 350-432.000.

Iwai, Shingo: *See—*
  Matsuda, Takashi; Suzuki, Ryozo; Iwai, Shingo; and Ikeda, Ryoji, 4,822,258, Cl. 417-423.300.

Iwai, Shougo, to Sharp Kabushiki Kaisha. Shredder. 4,815,670, 3-28-89, Cl. 271-34.000.

Iwai, Shougo: *See—*
  Araki, Yasuo; Itoh, Tetsuya; Iwai, Shougo; and Fujii, Yoshihalu, 4,842,205, Cl. 241-34.000.
  Itoh, Tetsuya; Iwai, Shougo; and Yoshikawa, Shizuo, 4,817,877, Cl. 241-34.000.

Iwai, Teruyuki; Takashige, Masao; Takeichi, Hidenobu; Takai, Yasuo; and Sasaki, Yoshinori, to Idemitsu Petrochemical Co., Ltd. Method of and apparatus for tubularly drawing thermoplastic resin. 4,869,863, 9-26-89, Cl. 264-564.000.

Iwai, Tohru: *See—*
  Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,823,138, Cl. 342-457.000.
  Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,833,481, Cl. 342-457.000.
  Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,887,090, Cl. 343-711.000.

Iwai, Tomio, to Sanshin Kogyo Kabushiki Kaisha. Marine propulsion device. 4,810,218, 3-7-89, Cl. 440-66.000.

Iwai, Tomio, to Sanshin Kogyo Kabushiki Kaisha. Two-stroke engine. 4,821,687, 4-18-89, Cl. 123-65.00P.

Iwai, Toshiyuki; and Ishikawa, Yoshimi, to Honda Giken Kogyo Kabushiki Kaisha. Structure for securely connecting a driven sprocket to the driven axle of a motorcycle. 4,794,998, 1-3-89, Cl. 180-219.000.

Iwai, Yuzuru: *See—*
  Omura, Satoshi; Nakagawa, Akira; and Iwai, Yuzuru, 4,886,884, Cl. 546-36.000.

Iwaibana, Kunio, to NEC Home Electronics Ltd. Imaging device with hand wobble display circuit. 4,862,277, 8-29-89, Cl. 358-222.000.

Iwaizako, Akihiro; Nishii, Hiroshi; and Maruta, Seiki, to Nippon Air Brake Co., Ltd. Electropneumatic master controller for an air brake system. 4,799,740, 1-24-89, Cl. 303-15.000.
Iwakabe, Yasushi: *See—*
  Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, 4,886,721, Cl. 430-59.000.
Iwakami, Hideo: *See—*
  Okayama, Masao; Kawauchi, Masataka; Iwakami, Hideo; and Hamada, Yasunori, 4,866,254, Cl. 235-379.000.
Iwakami, Nobuyuki: *See—*
  Otake, Katsumi; and Iwakami, Nobuyuki, 4,805,039, Cl. 358-335.000.
Iwakawa, Tsunekiyo; Hada, Hiroshi; and Nakamura, Tadashi, to NEC Corporation. Plasma display apparatus. 4,859,910, 8-22-89, Cl. 315-169.100.
Iwaki, Hirofumi: *See—*
  Kubo, Isao; Kaneko, Toshikazu; Iwaki, Hirofumi; Kajikawa, Yoji; Asaoka, Junichi; and Miyoshi, Jun, 4,869,978, Cl. 429-165.000.
Iwaki, Masato; Okamoto, Ikuo; Ushijima, Kenji; and Kinoshita, Hiroshi, to Mazda Motor Corporation. Air-fuel ratio controlling apparatus of an engine with an automatic change gear of electronic control type. 4,823,642, 4-25-89, Cl. 74-860.000.
Iwaki, Masato, to Mazda Motor Corporation. Method of controlling fuel in an engine. 4,866,619, 9-12-89, Cl. 364-431.050.
Iwaki, Takashi: *See—*
  Fujiwara, Tetsuo; Fuji, Hiroshi; Iwaki, Takashi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,843,604, Cl. 369-116.000.
Iwaki, Tetsuo: *See—*
  Yamawaki, Chiaki; Sasada, Taizo; Iwaki, Tetsuo; and Koyanagi, Katsubumi, 4,812,987, Cl. 364-724.010.
Iwaki, Yoshiyuki; Matsumoto, Akio; and Seki, Kimiaki, to Mitsubishi Denki Kabushiki Kaisha. Vacuum pump. 4,824,336, 4-25-89, Cl. 417-415.000.
Iwakiri, Hiroshi: *See—*
  Deguchi, Yoshikuni; Iwakiri, Hiroshi; Iwamoto, Kazunari; and Yonezawa, Kazuya, 4,847,395, Cl. 549-552.000.
Iwakiri, Norio; Bingo, Hideyuki; and Tugui, Hiedji, to Omron Tateisi Electronics Co. Plunger type fluid pressure switch. 4,845,322, 7-4-89, Cl. 200-81.00R.
Iwakiri, Norio: *See—*
  Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,814,565, Cl. 200-291.000.
  Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,833,280, Cl. 200-16.00D.
  Yamashita, Masatsugu; Yoshimura, Takashi; Hashizume, Shinichi; Bingo, Hideyuki; and Iwakiri, Norio, 4,816,631, Cl. 200-332.000.
  Yamashita, Masatsugu; Iwakiri, Norio; Yamanaka, Sekisuke; and Yanase, Akira, 4,855,541, Cl. 200-6.00R.
Iwakiri, Takano: *See—*
  Miura, Akira; Gemma, Nobuhiro; Mizushima, Koichi; Azuma, Makoto; and Iwakiri, Takano, 4,819,210, Cl. 365-106.000.
Iwakoshi, Hiromitsu: *See—*
  Kubo, Haruaki; Umeda, Mitsuru; and Iwakoshi, Hiromitsu, 4,799,838, Cl. 409-234.000.
Iwakoshi, Keiichi, to Kabushiki Kaisha Toshiba. Endoscopic apparatus. 4,805,597, 2-21-89, Cl. 128-4.000.
Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, to Kabushiki Kaisha Machida Seisakujyo; and Kabushiki Kaisha Machidaseisakujyo. Constant pressure apparatus of an endoscope. 4,836,187, 6-6-89, Cl. 128-4.000.
Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, to Kabushiki Kaisha Toshiba; and Kabushiki Kaisha Machida Seisakujyo. Apparatus for transmitting liquid and gas in an endoscope. 4,844,052, 7-4-89, Cl. 128-4.000.
Iwaksaki, Masahiko, to Mitsubishi Denki Kabushiki Kaisha. Interface circuit for single-chip microprocessor. 4,839,795, 6-13-89, Cl. 364-200.000.
Iwakuma, Takeo; Kawaguchi, Takayuki; Yamashita, Toyoharu; Sasaki, Yasuhiko; and Shimazaki, Tamotu, to Tanabe Seiyaku Co., Ltd. Phenoxyacetic acid derivatives and preparation thereof. 4,866,196, 9-12-89, Cl. 560-012.000.
Iwakura, Hikozo: *See—*
  Mori, Sachio; Iwakura, Hikozo; and Takechi, Shozo, 4,820,836, Cl. 548-512.000.
  Mori, Sachio; Iwakura, Hikozo; and Takechi, Shozo, 4,855,449, Cl. 548-512.000.
Iwakura, Ken: *See—*
  Harada, Toru; and Iwakura, Ken, 4,812,440, Cl. 503-223.000.
  Igarashi, Akira; Satomura, Masato; and Iwakura, Ken, 4,855,278, Cl. 503-208.000.
  Ikeda, Kenji; Iwakura, Ken; and Takashima, Masanobu, 4,882,311, Cl. 503-208.000.
  Ikeda, Kensuke; Yanagihara, Naoto; and Iwakura, Ken, 4,839,332, Cl. 503-212.000.
  Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, 4,833,118, Cl. 503-208.000.
  Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, 4,888,321, Cl. 503-208.000.
  Matsuoka, Katsumi; Sano, Shojiro; Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,870,048, Cl. 503-211.000.
  Matsuoka, Katsumi; Ikeda, Kensuke; and Iwakura, Ken, 4,871,713, Cl. 503-209.000.
  Saeki, Keiso; Takashima, Masanobu; Iwakura, Ken; Sugiyama, Takekatsu; and Satomura, Masato, 4,800,193, Cl. 503-217.000.
  Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,803,192, Cl. 503-212.000.
  Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,861,748, Cl. 503-208.000.
  Saeki, Keiso; Sano, Shojiro; Matsuoka, Katsumi; Takashima, Masanobu; and Iwakura, Ken, 4,876,233, Cl. 503-209.000.
  Satomura, Masato; Iwakura, Ken; and Igarashi, Akira, 4,847,236, Cl. 503-208.000.
  Satomura, Masato; Iwakura, Ken; Takashima, Masanobu; and Igarashi, Akira, 4,855,232, Cl. 503-218.000.
  Takashima, Masanobu; Iwakura, Ken; Satomura, Masato; and Matsuoka, Katsumi, 4,808,566, Cl. 503-217.000.
  Yanagihara, Naoto; Ikeda, Kensuke; Satomura, Masato; Wakasa, Yuichi; and Iwakura, Ken, 4,835,133, Cl. 503-210.000.
Iwakura, Masaru: *See—*
  Kamimura, Hiroto; Kubota, Shuichi; and Iwakura, Masaru, 4,854,745, Cl. 384-420.000.
Iwakura, Tomoatsu: *See—*
  Nojiri, Naohiro; Sakai, Yukio; and Iwakura, Tomoatsu, 4,812,437, Cl. 502-243.000.
Iwama, Kazuyuki: *See—*
  Watabe, Kenzo; Yabuki, Mitsuo; Iwama, Kazuyuki; and Yokoi, Toshihiko, 4,825,158, Cl. 324-237.000.
Iwama, Kunihiko: *See—*
  Ichikawa, Yoshiaki; Senoh, Makoto; Tsuchita, Kenji; Kouzumi, Akira; and Iwama, Kunihiko, 4,824,633, Cl. 376-268.000.
Iwama, Satoshi: *See—*
  Nakayama, Rinichi; Yoshida, Yasunori; and Iwama, Satoshi, 4,840,988, Cl. 524-476.000.
Iwama, Shinichi, to Daiwa Seiko, Inc. Ski boot. 4,811,503, 3-14-89, Cl. 36-119.000.
Iwama, Shinichi, to Daiwa Seiko, Inc. Ski boot. 4,881,330, 11-21-89, Cl. 36-117.000.
Iwamaru, Tugiyasu: *See—*
  Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.
Iwamatsu, Masayuki. Analog-to-digital conversion circuit. 4,851,842, 7-25-89, Cl. 341-139.000.
Iwamatsu, Masayuki, to Yamaha Corporation. Sound field control apparatus. 4,856,064, 8-8-89, Cl. 381-1.000.
Iwamatsu, Motoshige; and Kaji, Mitsugu, to Photon Ceramics Kabushiki Kaisha. Process for production of vitreous ceramics and product thereof. 4,859,634, 8-22-89, Cl. 501-3.000.
Iwamatsu, Noboru: *See—*
  Kawada, Shigeki; Amemiya, Yoichi; Sogabe, Masatoyo; and Iwamatsu, Noboru, 4,796,352, Cl. 29-596.000.
Iwamatsu, Satoshi: *See—*
  Minoura, Nobuo; Nakadai, Katsuo; Harase, Toshikatsu; and Iwamatsu, Satoshi, 4,803,573, Cl. 360-78.130.
Iwamatsu, Tadashi: *See—*
  Ishii, Hiroshi; Nakai, Shunji; Sawai, Hiroyuki; Ueda, Tetsuyuki; Hanato, Hiroyuki; and Iwamatsu, Tadashi, 4,866,463, Cl. 346-163.000.
Iwamatsu, Takanori, to Fujitsu Limited. Automatic drift control circuit. 4,860,010, 8-22-89, Cl. 341-118.000.
Iwamatsu, Takanori: *See—*
  Takenaka, Sadao; Aono, Yoshihito; Iwamatsu, Takanori; Minowa, Morihiko; Daido, Yoshimasa; and Nakamura, Hiroshi, 4,860,316, Cl. 375-39.000.
Iwami, Etsuji: *See—*
  Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sado, Ryochi; Iwami, Etsuji; and Izumi, Hirohumi, 4,866,338, Cl. 313-478.000.
Iwami, Hidefumi; Tabata, Kuniaki; Machida, Tetsuo; Miyake, [illegible] and Murata, Fumiya, to Hitachi, Ltd. Document processing method and system using multiwindow. 4,829,294, 5-9-89, Cl. 340-723.000.
Iwami, Hideo, to Naigai Special Dyeing Co., Ltd. Squeezing device. 4,813,249, 3-21-89, Cl. 68-244.000.
Iwami, Hideo, to Naigai Special Dyeing Co., Ltd. Cloth washing machine. 4,818,244, 4-4-89, Cl. 8-149.100.
Iwami, Kunihide, to Tachi-S Co., Ltd. Vehicle seat with suspension device. 4,813,645, 3-21-89, Cl. 248-588.000.
Iwami, Morita: *See—*
  Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.
  Okamoto, Masanori; Iwami, Morita; Takase, Shigehiro; Uchida, Itsuo; Umehara, Kazuyoshi; Konsaka, Masanobu; and Imanaka, Hiroshi, 4,863,926, Cl. 514-255.000.
Iwami, Tomoyuki: *See—*
  Hattori, Etsuo; Iwami, Tomoyuki; Miyazaki, Yoshihiro; and Oldechi, Ryutaroh, 4,799,056, Cl. 340-799.000.
Iwamoto, Akikazu: *See—*
  Morimoto, Kiyoshi; Iwamoto, Akikazu; Moriyama, Masao; and Sonoda, Atsuroh, 4,856,941, Cl. 406-85.000.
Iwamoto, Akito: *See—*
  Saito, Tutomu; and Iwamoto, Akito, 4,827,335, Cl. 358-75.000.
Iwamoto, Hiroaki: *See—*
  Aihara, Tsutomu; Hirama, Yasuo; and Iwamoto, Hiroaki, 4,805,866, Cl. 248-429.000.

Iwamoto, Hironori; and Ikeda, Shigeyuki, to Matsushita Electric Works, Ltd. Hand-held vibratory massager. 4,825,853, 5-2-89, Cl. 128-36.000.
Iwamoto, Hiroshi; Tamura, Yutaka; Mizuno, Yuji; and Yokota, Akihiro, to Dainippon Screen Mfg. Co., Ltd. Visual monitoring device which projects an image of a register mark onto a scanning surface for use in setting image processing conditions. 4,812,916, 3-14-89, Cl. 358-289.000.
Iwamoto, Hiroshi: *See—*
  Izumi, Eiichi; Iwamoto, Hiroshi; Mitani, Eisuke; and Shichi, Hiroyasu, 4,851,673, Cl. 250-309.000.
Iwamoto, Kazunari: *See—*
  Deguchi, Yoshikuni; Iwakiri, Hiroshi; Iwamoto, Kazunari; and Yonezawa, Kazuya, 4,847,395, Cl. 549-552.000.
Iwamoto, Kazunori, to Canon Kabushiki Kaisha. Precise feeding mechanism. 4,854,444, 8-8-89, Cl. 198-750.000.
Iwamoto, Kazuo: *See—*
  Kahara, Toshiki; Takeuchi, Masato; Okada, Hideo; Iwamoto, Kazuo; Iwase, Yoshio; and Mitsugi, Kouichi, 4,810,595, Cl. 429-16.000.
  Kumagai, Teruo; Horiba, Tatsuo; Kamo, Tomoichi; Takeuchi, Seiji; Iwamoto, Kazuo; Kitami, Kunko; and Tamura, Kohki, 4,810,597, Cl. 429-22.000.
Iwamoto, Keiichi: *See—*
  Maeyama, Takuzo; Nii, Kenichi; Shimojo, Shigeru; Iwamoto, Keiichi; Torichigai, Masaaki; and Koizumi, Kiyoshi, 4,879,973, Cl. 122-379.000.
  Okabe, Yoshimi; Iwamoto, Keiichi; Torichigai, Masaaki; Kaneko, Shozo; Ichinari, Joji; and Koizumi, Kiyoshi, 4,872,347, Cl. 73-634.000.
  Torichigai, Masaaki; and Iwamoto, Keiichi, 4,800,927, Cl. 138-109.000.
  Torichigai, Masaaki; and Iwamoto, Keiichi, 4,854,614, Cl. 285-93.000.
Iwamoto, Ken-ichi: *See—*
  Hayashi, Tatsushi; Yoshiura, Shoichiro; and Iwamoto, Ken-ichi, 4,805,001, Cl. 355-58.000.
  Nakamura, Hiroshi; Hayashi, Tatsushi; Iwamoto, Ken-ichi; Okada, Kenji; Matsumoto, Kouichi; and Yoshiura, Shoichiro, 4,796,053, Cl. 355-8.000.
  Taniguchi, Hideaki; Moriyama, Koichi; Kawasaki, Osamu; and Iwamoto, Ken-ichi, 4,796,049, Cl. 355-3.0FU.
Iwamoto, Kenzo: *See—*
  Inaba, Hiroo; Ushimaru, Akira. Yamamoto, Nobuyuki; Hibino, Noburo; and Iwamoto, Kenzo. 4,861,674, Cl. 428-480.000.
Iwamoto, Kohei: *See—*
  Fukushima, Hitoshi; Takei, Katsumori; Iwamoto, Kohei; and Nakamura, Hiroto, 4,884,081, Cl. 346-74.600.
Iwamoto, Kouji: *See—*
  Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
Iwamoto, Masatami: *See—*
  Yamada, Tadatoshi; Morita, Masao; Yamamoto, Shunji; Matsuda, Tetsuya; and Iwamoto, Masatami, 4,816,962, Cl. 361-141.000.
Iwamoto, Masayuki; Minami, Kouji; and Watanabe, Kaneo, to Sanyo Electric Co., Ltd. Photovoltaic device. 4,857,115, 8-15-89, Cl. 136-249.000.
Iwamoto, Masayuki: *See—*
  Takeuchi, Masaru; Fukatsu, Takeo; Nakano, Shoichi; Kuwano, Yukinori; Minami, Koji; and Iwamoto, Masayuki, 4,841,328, Cl. 355-211.000.
  Urata, Kaoru; Nakashio, Miaki; Ono, Koichi; Hirai, Hitoshi; and Iwamoto, Masayuki, 4,876,703, Cl. 377-62.000.
  Watanabe, Kaneo; Iwamoto, Masayuki; and Minami, Koji, 4,799,968, Cl. 136-258.000.
Iwamoto, Minoru, to Ricoh Company, Ltd. Control system for a copier. 4,814,831, 3-21-89, Cl. 355-40.000.
Iwamoto, Miyoshi, to Ichikoh Industries, Ltd. Optical-axis adjusting apparatus for automotive lights. 4,870,544, 9-26-89, Cl. 362-66.000.
Iwamoto, Mune; Ito, Norifumi; Sugazaki, Kazuo; Matsubara, Tetsuyuki; and Ando, Toshihiko, to Mitsui Toatsu Chemicals, Incorporated. Rubber dispersed copolymer resin. 4,808,661, 2-28-89, Cl. 525-73.000.
Iwamoto, Shigeki: *See—*
  Haranoya, Tomoji; and Iwamoto, Shigeki, 4,886,693, Cl. 428-90.000.
Iwamoto, Shoji; Mizuta, Akira; Irie, Tadashi; and Ishiguro, Masanori, to Fuji Photo Film Co., Ltd. Magnetic disk cartridge. 4,814,927, 3-21-89, Cl. 360-133.000.
Iwamoto, Tadao: *See—*
  Marume, Yoshihiro; and Iwamoto, Tadao, 4,857,248, Cl. 264-46.400.
  Marume, Yoshihiro; and Iwamoto, Tadao, 4,877,215, Cl. 249-109.000.
Iwamoto, Takashi: *See—*
  Kurakake, Mitsuo; Sakamoto, Keiji; and Iwamoto, Takashi, 4,873,476, Cl. 318-568.220.
Iwamoto, Taro; Aoki, Tatsu; Nakajima, Kichio; and Yamamoto, Hiroshi, to Hitachi, Ltd. Master-slave manipulators with scaling. 4,853,874, 8-1-89, Cl. 364-513.000.
Iwamoto, Taro: *See—*
  Kamejima, Kohji; Nakano, Yoshiyuki; Fujie, Masakatsu; Iwamoto, Taro; and Yamamoto, Hiroshi, 4,799,267, Cl. 382-1.000.
Iwamoto, Tomoyuki: *See—*
  Tateno, Toshiaki; Fukushima, Shigeki; and Iwamoto, Tomoyuki, 4,817,776, Cl. 192-0.092.
Iwamoto, Toshio: *See—*
  Kobayashi, Shigeyoshi; Munekata, Seiji; Unoki, Masao; and Iwamoto, Toshio, 4,804,246, Cl. 350-96.340.
Iwamoto, Toshiyuki: *See—*
  Hojo, Sadamune; Iwamoto, Toshiyuki; Arakawa, Noriyuki; and Narita, Terutaka, 4,863,199, Cl. 285-232.000.
Iwamoto, Yasuaki: *See—*
  Nakayama, Nobuhiro; Asahina, Yasuo; Fushimi, Hiroyuki; and Iwamoto, Yasuaki, 4,841,331, Cl. 355-245.000.
Iwamoto, Yoshihiro, to Kabushiki Kaisha Toshiba. Liquid crystal display control device. 4,802,739, 2-7-89, Cl. 350-332.000.
Iwamura, Akira: *See—*
  Okada, Yukio; Iwamura, Akira; and Akashi, Shuji, 4,795,666. Cl. 428-71.000.
Iwamura, Hichihiro; and Kitabayashi, Eiichi, to Citizen Watch Co., Ltd. Watch case and band attachment structure. 4,856,687, 8-15-89, Cl. 224-169.000.
Iwamura, Masahiro; and Masuda, Ikuro, to Hitachi, Ltd. Semiconductor device. 4,813,020, 3-14-89, Cl. 365-189.000.
Iwamura, Masahiro; Hotta, Takashi; and Maejima, Hideo, to Hitachi, Ltd. Dynamic logic circuit including bipolar transistors and field-effect transistors. 4,849,658, 7-18-89, Cl. 307-446.000.
Iwamura, Masahiro; Maejima, Hideo; and Masuda, Ikuro, to Hitachi, Ltd. Logic circuit and semiconductor integrated circuit device capable of operating by different power supplies. 4,853,560, 8-1-89, Cl. 307-296.100.
Iwamura, Masahiro; Masuda, Ikuro; and Uchida, Hideaki, to Hitachi, Ltd. Semiconductor integrated circuit device with a protective circuit. 4,860,148, 8-22-89, Cl. 361-58.000.
Iwamura, Masahiro: *See—*
  Masuda, Ikuro; Iwamura, Masahiro; and Nishihara, Motohisa, 4,808,850, Cl. 307-446.000.
  Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,829,201, Cl. 307-446.000.
  Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,890,017, Cl. 307-446.000.
  Suzuki, Yukio; Masuda, Ikuro; Iwamura, Masahiro; Kadono, Shinji; Uragami, Akiro; Yoshimura, Masayoshi; and Matsubara, Toshiaki, 4,879,480, Cl. 307-446.000.
  Ueno, Masahiro; Iwamura, Masahiro, Kurita, Kozaburo; and Masuda, Ikuro, 4,801,983, Cl. 357-15.000.
Iwamura, Masao: *See—*
  Yamada, Yoshitaka; and Iwamura, Masao, 4,804,619, Cl. 430-505.000.
Iwamura, Soichi; Suga, Mitsuhiro, and Itsumi, Tadashi, to Sharp Kabushiki Kaisha. Power transmission system. 4,868,815, 9-19-89, Cl. 370-71.000.
Iwamura, Takuro; and Kobayashi, Masao, to Mitsubishi Kinzoku Kabushiki Kaisha. Electrical contact spring material made of copper base alloy of high strength and toughness with reduced anisotropy in characteristics. 4,886,641, 12-12-89, Cl. 420-470.000.
Iwamura, Takuro: *See—*
  Akutsu, Hidetoshi; Iwamura, Takuro; and Kobayashi, Masao, 4,872,048, Cl. 357-67.000.
  Kobayashi, Masao; Iwamura, Takuro; and Tabei, Kazuhiko, 4,830,086, Cl. 164-418.000.
Iwamuro, Minoru; Ishii, Kazunori; and Sarai, Naohito, to Toyota Jidosha Kabushiki Kaisha; and Aisan Industry Co., Ltd. Intake device of an internal combustion engine. 4,794,886, 1-3-89, Cl. 123-52.00M.
Iwanabe, Makiko: *See—*
  Ishii, Tatsuki; and Iwanabe, Makiko, 4,805,113, Cl. 364-491.000.
Iwanade, Hisao, to Asahi Kogaku Kogyo Kabushiki Kaisha. Energy modulatable laser unit. 4,868,835, 9-19-89, Cl. 372-26.000.
Iwanaga, Katsusuke: *See—*
  Koba, Keiichiro; Utsunomiya, Taizo; Saitow, Yoshiaki; Iwanaga, Katsusuke; Matsue, Michihiko; and Nishitani, Noriaki, 4,812,271, Cl. 264-63.000.
Iwanaga, Kazuyoshi; and Yamaguchi, Toshio, to Nissan Motor Co., Ltd. Compact change speed transmission. 4,836,052, 6-6-89, Cl. 74-759.000.
Iwanaga, Kazuyoshi: *See—*
  Taguchi, Hiromi; and Iwanaga, Kazuyoshi, 4,823,637, Cl. 74-606.00R.
Iwanaga, Kenji: *See—*
  Taguchi, Jisei; Miura, Yutaka; Iwanaga, Kenji; and Tada, Manabu, 4,879,536, Cl. 335-128.000.
Iwanaga, Kouichi: *See—*
  Araki, Masakatsu; Haraguchi, Hideaki; Tsujimura, Shinichirou; and Iwanaga, Kouichi, 4,825,546, Cl. 30-201.000.
  Nakamura, Katsuji; Kitamura, Masami; and Iwanaga, Kouichi, 4,829,226, Cl. 320-35.000.
Iwanaga, Mitsuo: *See—*
  Tominaga, Fukutoshi; Iwanaga, Mitsuo; and Yokomizo, Hiromichi, 4,862,059, Cl. 323-307.000.
Iwanaga, Teruo: *See—*
  Kashima, Yoshio; Kinugasa, Hirofumi; Yoshida, Yasuo; and Iwanaga, Teruo, 4,817,447, Cl. 73-865.600.
Iwanaga, Yukiya: *See—*
  Sano, Hiroyuki; Kizaki, Masatoshi; and Iwanaga, Yukiya, 4,883,683, Cl. 426-582.000.

- Iwanami, Kiyoharu: *See*—
  - Komatsu, Fumito; Tezuka, Tuneo; Toyama, Akiyoshi; and Iwanami, Kiyoharu, 4,796,120, Cl. 360-96.500.
  - Komatsu, Fumito; Oguchi, Yuzo; Toyama, Akiyoshi; and Iwanami, Kiyoharu, 4,802,040, Cl. 360-78.040.
- Iwanami, Shigeki; Inagaki, Mitsuo; Sasaya, Hideaki; Tanaka, Taro; and Kojima, Akikazu, to Nippon Soken, Inc. Variable displacement swash-plate type compressor. 4,886,423, 12-12-89, Cl. 417-222.000.
- Iwanami, Teruo; Moriyama, Takamasa; and Asano, Kuniyoshi, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Laminate. 4,883,696, 11-28-89, Cl. 428-35.400.
- Iwanczyk, Louis C. Method for confining and removing spray drift. 4,865,628, 9-12-89, Cl. 55-74.000.
- Iwanishi, Masaaki, to Kabushiki Kaisha Toshiba. Semiconductor device. 4,801,995, 1-31-89, Cl. 357-52.000.
- Iwanishi, Masazumi: *See*—
  - Imagawa, Osamu; Iwanishi, Masazumi; and Yokoyama, Seiichiro, 4,839,701, Cl. 357-2.000.
  - Imagawa, Osamu; Iwanishi, Masazumi; and Yokohama, Seiichiro, 4,866,006, Cl. 437-101.000.
- Iwano, Fumiyuki: *See*—
  - Yoshida, Kiyomi; Iwano, Fumiyuki; and Hayashi, Kojiro, 4,804,356, Cl. 493-206.000.
- Iwano, Haruhiko: *See*—
  - Hirai, Hiroyuki; and Iwano, Haruhiko, 4,880,725, Cl. 430-373.000.
- Iwano, Hideaki; and Tsunekawa, Yoshifumi, to Seiko Epson Corporation. Semiconductor laser having an active layer and cladding layer. 4,856,013, 8-8-89, Cl. 372-45.000.
- Iwano, Kazuko: *See*—
  - Imai, Takeo; and Iwano, Kazuko, 4,861,379, Cl. 106-402.000.
- Iwano, Shinichi; and Ando, Yasuhiro, to Nippon Telegraph and Telephone Corporation. Ferrule for connecting optical fibers and optical connector using it. 4,818,061, 4-4-89, Cl. 350-96.210.
- Iwansky, Joachim: *See*—
  - Becker, Karl; Berger, Alfred; Iwansky, Joachim; Koble, Roland; and Back, Karl, 4,865,467, Cl. 384-273.000.
- Iwao, Akira: *See*—
  - Suka, Hisao; Iwao, Akira; Kubota, Kazuhiro; Ishii, Yoshitaro; and Sunagawa, Masao, 4,809,394, Cl. 15-327.00R.
- Iwao, Eiichi: *See*—
  - Ochiai, Hideo; Ohno, Kiyoshi; Iwao, Eiichi; and Mori, Hideo, 4,800,980, Cl. 180-225.000.
- Iwao, Hirofumi: *See*—
  - Yamakawa, Tsutomu; and Iwao, Hirofumi, 4,812,656, Cl. 250-363.00R.
- Iwao Jiki Kogyo Co., Ltd.: *See*—
  - Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, 4,814,085, Cl. 210-510.100.
  - Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, 4,814,125, Cl. 264-44.000.
  - Fukuda, Morio; Hanada, Masayuki; Inutsuka, Hideo; and Ogata, Katsuya, 4,802,840, Cl. 425-464.000.
- Iwao, Mayumi: *See*—
  - Ueno, Ryuzo; Ito, Shigeru; Fujimoto, Shin; and Iwao, Mayumi, 4,804,415, Cl. 106-496.000.
- Iwao, Naoto: *See*—
  - Sangyoji, Kazuo; Yamamoto, Takemi; Takagi, Osamu; Yoshida, Hitoshi; Iwao, Naoto; and Ban, Yoshiyuki, 4,814,808, Cl. 354-304.000.
- Iwao, Tetsuya; Toyoda, Yoshiaki; Wakimura, Kazuo; Kitano, Nobuhiro; and Tanaka, Masao, to Mitsui Toatsu Chemicals, Inc. Process for producing silanes. 4,810,482, 3-7-89, Cl. 423-347.000.
- Iwao, Tomoyoshi: *See*—
  - Shinoda, Kenichi; Iwao, Tomoyoshi; Isayama, Tomoaki; and Higo, Yuichi, 4,873,149, Cl. 428-609.000.
- Iwao, Toshio, to Kabushiki Kaisha Toshiba. Microprogram control circuit. 4,799,151, 1-17-89, Cl. 364-200.000.
- Iwaoka, Hideto; Ohte, Akira; and Akiyama, Koji, to Yokogawa Electric Corporation. Optical frequency analyzer using a local oscillator heterodyne detection of incident light. 4,856,899, 8-15-89, Cl. 356-346.000.
- Iwaoka, Hideto: *See*—
  - Akiyama, Koji; Ohte, Akira; and Iwaoka, Hideto, 4,833,681, Cl. 372-32.000.
- Iwaoka, Toshio; and Inoue, Masaru, to Jidosha Denki Kogyo Kabushiki Kaisha. Driving device for door lock-actuator. 4,858,060, 8-15-89, Cl. 361-185.000.
- Iwaoka, Toshio: *See*—
  - Suzuki, Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,845,622, Cl. 364-426.040.
  - Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,835,696, Cl. 364-426.040.
- Iwaosa, Katsuaki: *See*—
  - Baba, Susumu; Matsubara, Eigi; Iwaosa, Katsuaki; and Tanaka, Akira, 4,818,676, Cl. 430-574.000.
  - Okushima, Masao; Iwaosa, Katsuaki; Baba, Susumu; and Houjo, Tokitsugu, 4,863,843, Cl. 430-566.000.
- Iwasa, Hiroki; Watanabe, Toyofumi; and Furuya, Hirohide, to NKK Corporation. Method for manufacturing electrolytically chromated steel sheet. 4,875,984, 10-24-89, Cl. 204-56.100.
- Iwasa, Hiroshi: *See*—
  - Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, Hiroshi; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubota, Hayato, 4,795,569, Cl. 210-770.000.
- Iwasa, Kazuyuki; and Nakazawa, Hirotsugu, to Olympus Optical Co., Ltd. Zoom mechanism for a zoom lens in cameras and the like. 4,885,600, 12-5-89, Cl. 354-400.000.
- Iwasa, Masakazu; and Morita, Kazuhiko, to Fuji Photo Film Co., Ltd. Flexible disk jacket colored within specific munsell ranges. 4,807,078, 2-21-89, Cl. 360-133.000.
- Iwasa, Masakazu; and Morita, Kazuhiko, to Fuji Photo Film Co., Ltd. Flexible disk jacket. 4,864,451, 9-5-89, Cl. 360-133.000.
- Iwasa, Masanobu: *See*—
  - Abe, Michiro; and Iwasa, Masanobu, 4,813,928, Cl. 604-49.000.
- Iwasa, Masao; Kito, Yasutami; and Mori, Masayuki, to Otis Elevator Company. Motor control apparatus. 4,870,334, 9-26-89, Cl. 318-432.000.
- Iwasa, Mikio: *See*—
  - Tanaka, Tsuneo; Iwasa, Mikio; Kimura, Youichi; and Nakamura, Akira, 4,823,908, Cl. 181-175.000.
- Iwasa, Shigesato: *See*—
  - McClelland, Jeff L.; Iwasa, Shigesato; and Butler, Neal P. 4,831,257, Cl. 250-338.100.
- Iwasa, Tadanobu; Sasayama, Masataka; Ohashi, Masaki; and Kurimoto, Isao, to Sumitomo Chemical Company, Limited; and Toyoda Gosei Co., Ltd. Rubber composition for producing sponge rubber product. 4,866,101, 9-12-89, Cl. 521-95.000.
- Iwasa, Tooru: *See*—
  - Hanaoka, Seiji; Minowa, Masahiro; Okamura, Masataka; Masumura, Masao; Iwasa, Tooru; Watanabe, Noboru; Mitsugi, Shoichi; and Miyazawa, Norimichi, 4,822,186, Cl. 400-120.000.
- Iwasa, Yamahiro; Oba, Yoichi; and Morooka, Isao, to Asahi Chemical Research Laboratory Co., Ltd. Method for producing electrically conductive circuits on a base board. 4,837,050, 6-6-89, Cl. 427-96.000.
- Iwasaki, Akihiko: *See*—
  - Kondo, Hiroatsu; and Iwasaki, Akihiko, 4,834,230, Cl. 194-206.000.
- Iwasaki, Akio; and Nagasawa, Kenichi, to Canon Kabushiki Kaisha. Rotary head type recording and/or reproducing apparatus having mode selecting mechanism. 4,841,391, 6-20-89, Cl. 360-85.000.
- Iwasaki, Akira: *See*—
  - Hamasaki, Yoshito; Iwasaki, Akira; and Sue, Hiroaki, 4,838,576, Cl. 280-777.000.
- Iwasaki, Arihiko: *See*—
  - Kondo, Hiroatsu; and Iwasaki, Arihiko, 4,807,736, Cl. 194-206.000.
- Iwasaki, Atsushi; Ohta, Hideaki; Oda, Katsumi; Tsukada, Naoshi; and Sekine, Kiyoshi, to Kikkoman Corporation; and Unicoopjapan. Apparatus for crushing fruit and vegetables. 4,848,678, 7-18-89, Cl. 241-65.000.
- Iwasaki, Chisato: *See*—
  - Okabe, Kazuya; Kasama, Yasuhiko; Seki, Hitoshi; and Iwasaki, Chisato, 4,839,510, Cl. 250-211.00J.
  - Okabe, Kazuya; Matsuda, Hideyuki; Iwasaki, Chisato; and Fujimoto, Satoshi, 4,853,755, Cl. 357-23.700.
- Iwasaki, Dean H.; and Iliff, Michael D., to Marquest Medical Products, Inc. Arterial blood gas syringe. 4,821,738, 4-18-89, Cl. 128-765.000.
- Iwasaki, Eiji; and Isomura, Yukio, to Toyota Jidosha Kabushiki Kaisha and Aisin Seiki Kabushiki Kaisha. Door locking knob structure. 4,842,312, 6-27-89, Cl. 292-336.300.
- Iwasaki, Eiji: *See*—
  - Fukumoto, Ryoichi; Shiraishi, Daiichi; and Iwasaki, Eiji, 4,821,589, Cl. 74-89.220.
  - Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.
  - Katoh, Kenji; Naruoka, Takao; and Iwasaki, Eiji, 4,834,031, Cl. 123-48.00R.
  - Naruoka, Takao; and Iwasaki, Eiji, 4,830,517, Cl. 384-255.000.
- Iwasaki Electric Co., Ltd.: *See*—
  - Kashima, Yoshio; Kinugasa, Hirofumi; Yoshida, Yasuo; and Iwanaga, Teruo, 4,817,447, Cl. 73-865.600.
  - Masui, Motonobu; and Ban, Yasuo, 4,827,190, Cl. 313-624.000.
  - Yasukawa, Minoru; and Iida, Takenobu, 4,807,085, Cl. 361-321.000.
- Iwasaki Electronics Co. Ltd.: *See*—
  - Tokio, Uetsuhara; and Hiroji, Iwasaki, 4,857,782, Cl. 310-12.000.
  - Uetsuhara, Tokio, 4,859,975, Cl. 335-230.000.
- Iwasaki, Hideo: *See*—
  - Tahara, Toshiro; and Iwasaki, Hideo, 4,837,713, Cl. 364-525.000.
- Iwasaki, Hiroaki: *See*—
  - Ave, Yoshiharu; Koseki, Junichi; Iwasaki, Hiroaki; Tomoda, Norio; and Suzuki, Kozo, 4,844,041, Cl. 123-489.000.
- Iwasaki, Hiroshi, to Kabushiki Kaisha Toshiba. Method for manufacturing a BiCMOS device. 4,818,720, 4-4-89, Cl. 437-58.000.
- Iwasaki, Hiroyuki; and Masuda, Masaaki, to NGK Insulators, Ltd. Process for producing silicon nitride ceramic articles. 4,834,926, 5-30-89, Cl. 264-65.000.
- Iwasaki, Hiroyuki: *See*—
  - Sano, Kunihiko; Nagao, Makoto; Nahara, Akira; Nishikawa, Yasuo; and Iwasaki, Hiroyuki, 4,840,843, Cl. 428-336.000.
- Iwasaki, Hitoshi: *See*—
  - Funato, Ryo; Kubo, Shinji; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,849,495, Cl. 528-194.000.
  - Kubo, Shinji; Funato, Ryo; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,866,158, Cl. 528-272.000.
- Iwasaki, Junichi; and Harigai, Hisao, to NEC Corporation. Data processing system with a pipelined structure for editing trace memory contents and tracing operations during system debugging. 4,879,646, 11-7-89, Cl. 364-200.000.
- Iwasaki, Junichi: *See*—
  - Takahashi, Toshiya; and Iwasaki, Junichi, 4,796,217, Cl. 364-745.000.

- Iwasaki, Kazuhito; Tono, Hideo; and Omatoi, Susumu, to Kasei Optonix, Ltd. Electron-beam existed display tube, the screen of which has a fluorescent component of a Eu containing red fluorescent component and a blue or green fluorescent component. 4,814,666, 3-21-89, Cl. 313-468.000.
- Iwasaki, Keisuke: *See*—
  - Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.
- Iwasaki, Kenji, to Kabushiki Kaisha Toshiba. Laser emitting device. 4,807,963, 2-28-89, Cl. 350-96.240.
- Iwasaki, Kenji, to Nippon Cable System Inc. Structure for anchoring wire end. 4,850,084, 7-25-89, Cl. 24-115.00R.
- Iwasaki, Kenji, to Kabushiki Kaisha Toshiba. Stereoscopic television apparatus. 4,851,901, 7-25-89, Cl. 358-88.000.
- Iwasaki, Kozo; Kuragano, Morimasa; Koshibe, Minoru; Sezaki, Yoshihiro; Yoguchi, Katsuji; and Koyama, Yoshio, to Mitsui Toatsu Chemicals, Inc.; and Kyowa Gas Chemical Industry Co., Ltd. Purification process of methacrylic acid. 4,879,412, 11-7-89, Cl. 562-600.000.
- Iwasaki, Kyoji: *See*—
  - Torii, Nobutoshi; Ito, Susumu; Wakio, Hiroshi; and Iwasaki, Kyoji, 4,836,048, Cl. 74-608.000.
  - Torii, Nobutoshi; Mizuno, Hitoshi; and Iwasaki, Kyoji. 4,842,474, Cl. 414-680.000.
  - Torii, Nobutoshi; Mizuno, Hitoshi; and Iwasaki, Kyoji, 4,877,973, Cl. 307-147.000.
- Iwasaki, Kyuhachiro: *See*—
  - Naruse, Osamu; Ishikawa, Chuji; Kakeno, Sadao; and Iwasaki, Kyuhachiro, 4,800,398, Cl. 346-75.000.
- Iwasaki, Masaaki, to Fujitsu Limited. Data communication system having means for switching between main and stand-by apparatuses. 4,831,617, 5-16-89, Cl. 370-16.000.
- Iwasaki, Masahiro: *See*—
  - Nakagawa, Kazushige; Koh, Makoto; Sera, Kyoji; Ozeki, Tadashi; and Iwasaki, Masahiro, 4,872,394, Cl. 91-506.000.
- Iwasaki, Masayoshi: *See*—
  - Nasu, Shoji; Nishimoto, Yoshiro; Yasukuni, Hiroaki; and Iwasaki, Masayoshi, 4,823,082, Cl. 324-232.000.
- Iwasaki, Masayuki: *See*—
  - Maemoto, Kazuo; Iwasaki, Masayuki; Maeda, Minoru; and Aotani, Yoshimasa, 4,876,173, Cl. 430-271.000.
  - Mochizuki, Akihiro; Iwasaki, Masayuki; Yamagishi, Yasuo; Ikegami, Kasumi; Gondo, Hiroyuki; and Yamaguchi, Hisashi, 4,812,034, Cl. 383-122.000.
  - Yamagishi, Yasuo; Mochizuki, Akihiro; Iwasaki, Masayuki; Yoshihara, Toshiaki; and Onda, Fumiyo, 4,832,461, Cl. 350-347.00E.
- Iwasaki, Mitsuo: *See*—
  - Yabuki, Kazuyuki; Kohmura, Yohji; Iwasaki, Mitsuo; and Yasuda, Hiroshi, 4,827,999, Cl. 152-451.000.
- Iwasaki, Motoya: *See*—
  - Otani, Susumu; and Iwasaki, Motoya, 4,853,642, Cl. 329-124.000.
- Iwasaki, Nobuyuki: *See*—
  - Kitada, Akira; and Iwasaki, Nobuyuki, 4,835,396, Cl. 250-483.100.
- Iwasaki, Rumi: *See*—
  - Kono, Koichi; Okamoto, Kenkichi; Iwasaki, Rumi; and Sawada, Shuichi, 4,873,034, Cl. 264-41.000.
- Iwasaki, Shinichi: *See*—
  - Sakayori, Kiyoshi; Iwasaki, Shinichi; Ishida, Yozo; Shinogaya, Toshikazu; and Ishizuka, Yuzo, 4,887,950, Cl. 411-302.000.
- Iwasaki, Shizuo: *See*—
  - Oshima, Kazuo; and Iwasaki, Shizuo, 4,889,174, Cl. 152-529.000.
- Iwasaki, Shuji: *See*—
  - Higo, Yuji; Hayashi, Hidechika; and Iwasaki, Shuji, 4,810,659, Cl. 436-180.000.
  - Suzaki, Hideo; Iwasaki, Shuji; Kamada, Satoru; and Higo, Yuji, 4,816,408, Cl. 435-311.000.
- Iwasaki, Takao; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing poly(arylene sulfide) of reduced alkali metal content. 4,814,430, 3-21-89, Cl. 528-388.000.
- Iwasaki, Takao; and Horikosi, Katsumi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Apparatus for producing polyarylenesulfides. 4,841,019, 6-20-89, Cl. 528-388.000.
- Iwasaki, Takao: *See*—
  - Iizuka, Yo; Iwasaki, Takao; Katto, Takayuki; and Shiiki, Zenya, 4,812,539, Cl. 526-62.000.
  - Kawakami, Yukichika; Iwasaki, Takao; and Shiiki, Zenya, 4,810,566, Cl. 428-220.000.
  - Kouyama, Toshitaka; Katto, Takayuki; Iwasaki, Takao; Iizuka, Yo; and Shiiki, Zenya, 4,863,669, Cl. 264-532.000.
  - Shiiki, Zenya; Katto, Takayuki; Iizuka, Yo; Iwasaki, Takao; and Kouyama, Toshitaka, 4,795,671, Cl. 428-209.000.
- Iwasaki, Takashi: *See*—
  - Yasui, Yoshinari; and Iwasaki, Takashi, 4,809,639, Cl. 118-65.000.
  - Yasui, Yoshinari; and Iwasaki, Takashi, 4,844,002, Cl. 118-259.000.
- Iwasaki, Tameo; and Takashima, Kohki, to Tanabe Seiyaku Co., Ltd. Novel naphthalene derivative. 4,840,951, 6-20-89, Cl. 514-239.500.
- Iwasaki, Tatsuo: *See*—
  - Inahori, Kazutomo; Kondo, Hitoshi; Nakajima, Hiroshi; and Iwasaki, Tatsuo, 4,882,276, Cl. 435-89.000.
- Iwasaki, Tetsuji; and Hosokawa, Hitoshi, to Kao Corporation. Caking-preventing agent for fertilizer. 4,812,158, 3-14-89, Cl. 71-64.120.
- Iwasaki, Tetsuji; and Fukui, Yoshio, to Kao Corporation. Emulsifying dispersant and biocidal composition containing same. 4,840,942, 6-20-89, Cl. 514-120.000.
- Iwasaki, Tetsuji; Goto, Takuo; and Matsumoto, Tadao, to Kao Corporation. Process for the preparation of granular pesticide. 4,844,734, 7-4-89, Cl. 71-120.000.
- Iwasaki, Tetsuji; and Kamihisa, Yasushi, to Kao Corporation. Biocidal fine powder and a suspension containing the same. 4,851,421, 7-25-89, Cl. 514-352.000.
- Iwasaki, Tetsuji; and Hosokawa, Hitoshi, to Kao Corporation. Synergist for biocide. 4,888,049, 12-19-89, Cl. 71-94.000.
- Iwasaki, Tetsuji: *See*—
  - Araki, Seiichi; Suzuki, Mamoru; Iwasaki, Tetsuji; and Hioki, Yuichi, 4,868,217, Cl. 514-642.000.
- Iwasaki, Toshio; Katoh, Akihiko; Murao, Atsuhiko; Tsukada, Masakazu; Nakano, Takashi; and Nasu, Masaru, to Nippon Kokan Kabushiki Kaisha. Coupling pin for sucker rod made of fiber-reinforced plastic material. 4,822,201, 4-18-89, Cl. 403-268.000.
- Iwasaki, Tsutomu: *See*—
  - Takeda, Yoshimitsu; Mochida, Haruo; Iwasaki, Tsutomu; and Kanai, Toshio, 4,871,994, Cl. 340-457.000.
- Iwasaki, Yasuhiro: *See*—
  - Kuwabara, Youhei; Asaoka, Teruo; Moriya, Masayoshi; Iwasaki, Yasuhiro; and Sugiyama, Haruki, 4,800,006, Cl. 204-129.430.
  - Kuwabara, Youhei; Asaoka, Teruo; and Iwasaki, Yasuhiro, 4,842,702, Cl. 204-129.430.
  - Kuwabara, Youhei; Asaoka, Teruo; and Iwasaki, Yasuhiro, 4,880,516, Cl. 204-224.00M.
- Iwasaki, Yoshihiko, to Kiyomoto Tekko Kabushiki Kaisha. Apparatus for mass transferring between phases different from each other. 4,818,447, 4-4-89, Cl. 261-122.000.
- Iwasaki, Yoshihiko; and Noguchi, Toyosaburo, to Kiyomoto Tekko Kabushiki Kaisha; and Kabushiki Kaisha Saito Hyakkaten. Method for maintaining or restoring freshness of plants, vegetables or fruits by treating with water supersaturated with air. 4,857,350, 8-15-89, Cl. 426-506.000.
- Iwasaki, Yoshihiko; and Noguchi, Toyosaburo. Apparatus for maintaining or restoring freshness of vegetable body. 4,884,500, 12-5-89, Cl. 99-517.000.
- Iwasaki, Yoshihisa, to Maeda Industries, Ltd. Multiple freewheel for bicycle. 4,869,710, 9-26-89, Cl. 474-160.000.
- Iwasaki, Yoshiki; Satoh, Shizuyoshi; Urushibata, Kenichi; Koizumi, Tasuko; Tago, Noriyuki; and Muta, Fusao, to Victor Company of Japan, Limited; and Sumitomo Electric Industries, Ltd. Antenna device for a system including cordless apparatuses a cable with built in antenna having continuously repeated pattern conductors. 4,864,318, 9-5-89, Cl. 343-720.000.
- Iwasaki, Yoshiya: *See*—
  - Fujita, Takayuki; Iwasaki, Yoshiya; and Yabe, Hiroko, 4,798,844, Cl. 514-399.000.
- Iwasaki, Yukio, to Alps Electric Co., Ltd. Torque takeout mechanism for rotary electronic part. 4,846,013, 7-11-89, Cl. 74-531.000.
- Iwasawa, Kenjiro: *See*—
  - Kawahara, Eiichiro; Ikejiri, Kenichi; Iino, Takashi; Iwasawa, Kenjiro; and Yamamoto, Noboru, 4,809,587, Cl. 91-166.000.
- Iwasawa, Kyoko; and Tanaka, Yoshikazu, to Hitachi, Ltd. Method for converting a source program of high level language statement into an object program for a vector processor. 4,821,181, 4-11-89, Cl. 364-200.000.
- Iwasawa, Kyoko; and Tanaka, Yoshikazu, to Hitachi, Ltd. Compiling method for vectorizing multiple do-loops in source program. 4,833,606, 5-23-89, Cl. 364-300.000.
- Iwasawa, Kyoko: *See*—
  - Gotou, Shizuo; Kanada, Yasusi; and Iwasawa, Kyoko. 4,807,126, Cl. 364-300.000.
- Iwasawa, Takashi: *See*—
  - Tsunoda, Taiji; and Iwasawa, Takashi, 4,807,055, Cl. 360-32.000.
- Iwasawa, Toshiyuki; and Miura, Masayoshi, to Matsushita Electric Industrial Co., Ltd. MOS FET drive circuit providing protection against transient voltage breakdown. 4,825,102, 4-25-89, Cl. 307-296.500.
- Iwasawa, Toshiyuki; and Miura, Masayoshi, to Matsushita Electric Industrial Co., Ltd. Ink jet recording apparatus with an electrode disposed at writing paper side. 4,829,325, 5-9-89, Cl. 346-140.00R.
- Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; and Kobayashi, Shintaro, to Shimizu Construction Company, Limited. Transfer system in a clean room. 4,826,360, 5-2-89, Cl. 406-51.000.
- Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, to Shimizu Construction Company, Limited; and Shinko Electric Co., Ltd. Dusttight storage cabinet apparatus for use in clean rooms. 4,867,629, 9-19-89, Cl. 414-331.000.
- Iwase, Hidehiro; and Habata, Keiichi, to Toshiba Chemical Corporation. Conductive resin composition and molded product using the same. 4,882,227, 11-21-89, Cl. 428-407.000.
- Iwase, Hideo, to Iwase Prince Kabushiki Kaisha; and Prince Mishin Kabushiki Kaisha. Sewing machine. 4,864,947, 9-12-89, Cl. 112-121.140.
- Iwase, Ichiro: *See*—
  - Yamato, Osamu; Horii, Hiroyuki; Takino, Tetsuji; Yamasaki, Takanori; Sakurai, Yoshimitu; Matsukura, Hisao; and Iwase, Ichiro, 4,808,951, Cl. 333-202.000.
- Iwase, Isao: *See*—
  - Yokota, Yukio; Iwase, Isao; and Uematsu, Satoshi, 4,796,124, Cl. 360-76.000.
- Iwase, Morikazu: *See*—
  - Kagayama, Shigeru; and Iwase, Morikazu, 4,819,024, Cl. 355-14.00R.

- Sonoda, Takakuni; Tanabe, Kazunori; Iwase, Morikazu; Sangyoji, Kazuo; and Kato, Tokunori, 4,884,082, Cl. 346-105.000.
- Iwase, Nobuo, to Kabushiki Kaisha Toshiba. Ceramic circuit substrates and methods of manufacturing same. 4,797,530, 1-10-89, Cl. 219-121.850.
- Iwase, Nobuo: *See—*
  - Iyogi, Kiyoshi; Yasumoto, Takaaki; Yanazawa, Toshirou; Iwase, Nobuo; Nakahashi, Masako; and Takeda, Hiromitsu, 4,835,344, Cl. 174-68.500.
  - Iyogi, Kiyoshi; Yamakawa, Koji; and Iwase, Nobuo, 4,855,251, Cl. 437-183.000.
- Iwase Prince Kabushiki Kaisha: *See—*
  - Iwase, Hideo, 4,864,947, Cl. 112-121.140.
- Iwase, Seiichiro; and Yamazaki, Takao, to Sony Corporation. Digital filter. 4,862,403, 8-29-89, Cl. 364-724.160.
- Iwase, Sumio: *See—*
  - Yamanouchi, Kiyoshi; and Iwase, Sumio, 4,873,713, Cl. 379-67.000.
- Iwase, Taira: *See—*
  - Ariizumi, Shoji; Iwase, Taira; and Masuoka, Fujio, 4,855,248, Cl. 437-49.000.
- Iwase, Takahiro: *See—*
  - Mochizuki, Hiroyuki; Kobayashi, Nobuo; Tamaki, Shigenori; Iwase, Takahiro; Masuda, Naofumi; and Taguchi, Yoshio, 4,806,388, Cl. 427-46.000.
  - Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.
  - Tamaki, Shigenori; Machizuki, Hiroyuki; Kobayashi, Nobuo; Iwase, Takahiro; and Masuda, Naofumi, 4,806,387, Cl. 427-46.000.
- Iwase, Takatoshi: *See—*
  - Kondo, Naohiko; Hanai, Mineo; Miyagawa, Yoshiaki; Mochizuki, Ikuo; Ito, Yuji; and Iwase, Takatoshi, 4,834,700, Cl. 493-463.000.
- Iwase, Takayuki; Sakanobe, Minoru; and Koga, Yuji, to Brother Kogyo Kabushiki Kaisha. Data processing apparatus with CRT and printer. 4,883,376, 11-28-89, Cl. 400-83.000.
- Iwase, Teruhiko, to Nippondenso Co., Ltd. Insulating coating layer for electronic circuit board, insulating coating material for electronic circuit board, and method for forming insulating coating layer for electronic circuit board. 4,818,784, 4-4-89, Cl. 524-463.000.
- Iwase, Toshio: *See—*
  - Shimura, Shiro; Iwase, Toshio; Sato, Munetaka; and Ozawa, Saburo, 4,816,158, Cl. 210-610.000.
- Iwase, Yasuyuki; and Sakurai, Kiyokazu, to Mitsubishi Pencil Co., Ltd. Fixing member for retaining liquid-application member of liquid applicator such as writing instrument, cosmetic instrument and the like. 4,833,751, 5-30-89, Cl. 15-190.000.
- Iwase, Yoshiki; Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, to Fuji Photo Film Co., Ltd. DPSK exclusive-OR demodulator. 4,804,925, 2-14-89, Cl. 329-50.000.
- Iwase, Yoshiki; and Kobayashi, Yasuhito, to Fuji Photo Film Co. Ltd. Field/frame conversion circuit. 4,812,919, 3-14-89, Cl. 358-310.000.
- Iwase, Yoshiki; and Kobayashi, Yasuhito, to Fuji Photo Film Co. Ltd. Field/frame conversion circuit. 4,873,581, 10-10-89, Cl. 358-310.000.
- Iwase, Yoshio: *See—*
  - Kahara, Toshiki; Takeuchi, Masato; Okada, Hideo; Iwamoto, Kazuo; Iwase, Yoshio; and Mitsugi, Kouichi, 4,810,595, Cl. 429-16.000.
- Iwashita, Kanau: *See—*
  - Kawamura, Sadao; Iwashita, Kanau; Fuse, Tomeo; Kawahara, Shuichi; Sataka, Naoyuki; and Ito, Hidekuni, 4,834,223, Cl. 188-282.000.
- Iwashita, Kiyoji: *See—*
  - Watanabe, Ryuji; Andoh, Hisashi; Iwashita, Kiyoji; and Shimizu, Kinko, 4,836,978, Cl. 419-10.000.
- Iwashita, Masanori, to Hosiden Electronics Co., Ltd. Plural contact pin jack adapted to receive any of a plurality of different types of plugs. 4,846,719, 7-11-89, Cl. 439-63.000.
- Iwashita, Shinichi, to NEC Corporation. Semiconductor memory equipped with test circuit for testing data holding characteristic during data programming period. 4,870,618, 9-26-89, Cl. 365-201.000.
- Iwashita, Tetsushi: *See—*
  - Ota, Yoshio; Goto, Norifumi; Motoyama, Iwao; Iwashita, Tetsushi; and Nomura, Kunio, 4,824,654, Cl. 423-432.000.
  - Ota, Yoshio; Goto, Norifumi; Motoyama, Iwao; Iwashita, Tetsushi; and Nomura, Kunio, 4,857,291, Cl. 423-430.000.
- Iwashita, Yoshiyuki: *See—*
  - Tawara, Takao; Akedo, Jun; and Iwashita, Yoshiyuki, 4,841,129, Cl. 235-472.000.
- Iwashita, Yukihiro; and Mochizuki, Masashi, to Seiko Epson Corporation. Liquid crystal electrically-controlled birefringence display devices with improved contrast. 4,859,037, 8-22-89, Cl. 350-339.00F.
- Iwaskiw, Christine T.: *See—*
  - Ashford, Thomas J.; Burns, Nancy A.; Flagg, Richard L.; Iwaskiw, Christine T.; and Starbird, Roberta P., 4,809,219, Cl. 364-900.000.
- Iwaskow, Richard S.; and Crum, Stephen M., to American Cyanamid Company. Compositions convertible to reinforced conductive components and articles incorporating same. 4,882,089, 11-21-89, Cl. 428-242.000.
- Iwata Air Compressor Manufacturing Company Limited: *See—*
  - Tsutsumi, Sadao; and Sato, Kazuaki, 4,869,658, Cl. 418-55.000.
- Iwata, Akihiko: *See—*
  - Hara, Kazuhiko; Ueguri, Shigeo; Iwata, Akihiko; Okamoto, Tatsuki; and Ueda, Yoshihiro, 4,815,091, Cl. 372-56.000.
  - Nishimae, Junichi; Yoshizawa, Kenji; Taki, Masakazu; Ueda, Yoshihiro; Yanagi, Tadashi; and Iwata, Akihiko, 4,890,294, Cl. 372-57.000.
- Iwata, Akira; and Harada, Chosei, to Fukae Powtec Corporation. Particle processing apparatus. 4,826,325, 5-2-89, Cl. 366-221.000.
- Iwata Electric Co., Ltd.: *See—*
  - Cross, Donald R., 4,864,288, Cl. 340-669.000.
  - Iwata, Keisuke; and Kojima, Yoshikazu, 4,885,572, Cl. 340-425.500.
- Iwata, Hiromu: *See—*
  - Miura, Yashuhiro; and Iwata, Hiromu, 4,821,576, Cl. 73-788.000.
- Iwata, Hiroo: *See—*
  - Matsuda, Takehisa; Iwata, Hiroo; and Itoh, Tetsuo, 4,806,614, Cl. 528-59.000.
- Iwata, Hiroshi, to NEC Corporation. Semiconductor superlattice light emitting sevice. 4,802,181, 1-31-89, Cl. 372-45.000.
- Iwata, Hiroshi; and Hirata, Shinji, to West Electric Company, Ltd. Electronic flash equipment. 4,847,538, 7-11-89, Cl. 315-241.00P.
- Iwata, Hiroshi: *See—*
  - Kondo, Kazuo; Morikawa, Asao; and Iwata, Hiroshi, 4,837,408, Cl. 174-68.500.
  - Kondo, Kazuo; Morikawa, Asao; Iwata, Hiroshi; and Shibata, Yoshimasa, 4,871,608, Cl. 428-209.000.
- Iwata, Hisami: *See—*
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,835,026, Cl. 428-40.000.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,844,285, Cl. 220-287.000.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,879,158, Cl. 428-159.000.
- Iwata, Hitoshi: *See—*
  - Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
- Iwata, Hohji, to Kyowa Sonic Co., Ltd. Cleaning apparatus for a pick up lens of compact disc player using a front loading base. 4,817,078, 3-28-89, Cl. 369-71.000.
- Iwata, Joji: *See—*
  - Tanaka, Yoshiharu; Kouno, Eiichi; and Iwata, Joji, 4,815,854, Cl. 356-356.000.
- Iwata, Kazuo: *See—*
  - Hirose, Hisashi; Ohta, Takanori; Hara, Shigeo; and Iwata, Kazuo, 4,831,349, Cl. 335-186.000.
  - Koga, Hitoshi; Iwata, Kazuo; Nishimoto, Masushi; and Hashimoto, Mikio, 4,849,293, Cl. 428-447.000.
  - Koike, Shoji; Iwata, Kazuo; and Tomida, Yasuko, 4,849,770, Cl. 346-1.100.
  - Matsuno, Takeshi; and Iwata, Kazuo, 4,859,847, Cl. 250-239.000.
  - Shikama, Shinsuke; Toide, Eiichi; Kondou, Mitsushige; and Iwata, Kazuo, 4,888,760, Cl. 369-122.000.
- Iwata, Keisuke; and Kojima, Yoshikazu, to Iwata Electric Co., Ltd; and Kobishi Electric Co., Ltd. Anti-theft alarm device for vehicle. 4,885,572, 12-5-89, Cl. 340-425.500.
- Iwata, Kouichi; Takahashi, Hideo; and Isomura, Akihiko, to Sumitomo Electric Industries, Ltd. Antithrombic resin composition. 4,822,615, 4-18-89, Cl. 424-423.000.
- Iwata, Kouichi: *See—*
  - Takahashi, Hideo; and Iwata, Kouichi, 4,869,909, Cl. 424-486.000.
- Iwata, Masahiro: *See—*
  - Yamanoi, Tukio; Kandachi, Mitsuo; Iwata, Masahiro; and Kato, Kazumi, 4,860,568, Cl. 72-291.000.
- Iwata, Masaji, to Citizen Watch Co., Ltd. Method of controlling printing positions in a printer and an apparatus therefor. 4,869,609, 9-26-89, Cl. 400-323.000.
- Iwata, Masanari, to Mitsubishi Denki Kabushiki Kaisha. Harmonic speed changer. 4,840,090, 6-20-89, Cl. 74-804.000.
- Iwata, Masanari, to Mitsubishi Denki Kabushiki Kaisha. Robot articulation joint. 4,864,888, 9-12-89, Cl. 74-640.000.
- Iwata, Masanari, to Mitsubishi Denki Kabushiki Kaisha. Industrial robot's articulate device. 4,879,499, 11-7-89, Cl. 318-568.160.
- Iwata, Michiaki: *See—*
  - Koyama, Masao; Iwata, Michiaki; Kurihara, Kunihiko; and Sezaki, Masaji, 4,839,378, Cl. 514-417.000.
- Iwata, Michihiro: *See—*
  - Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, 4,851,870, Cl. 354-234.100.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.
  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,814,813, Cl. 354-418.000.
  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,841,318, Cl. 354-173.100.

  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,849,779, Cl. 354-173.110.
- Iwata, Michitaka: *See—*
  - Manabe, Seiichi; Iwata, Michitaka; and Inoue, Mamoru, 4,822,540, Cl. 264-41.000.
- Iwata, Michiyoshi: *See—*
  - Matsumoto, Kazuyuki; Hashimoto, Masataka; and Iwata, Michiyoshi, 4,846,018, Cl. 74-804.000.
- Iwata, Mitsuo: *See—*
  - Okamoto, Takeshi; Iwata, Mitsuo; and Takahashi, Hiroaki, 4,880,629, Cl. 424-678.000.
- Iwata, Mitsuru: *See—*
  - Hashimoto, Ryusuke; and Iwata, Mitsuru, 4,874,153, Cl. 264-63.000.
- Iwata, Norio; Nakamura, Masao; and Takusagawa, Takashi, to Bridgestone Tire Company Limited. Heavy duty low-section pneumatic radial tire and a process for manufacturing the same. 4,842,682, 6-27-89, Cl. 156-130.000.
- Iwata, Satoshi; and Ando, Moritoshi, to Fujitsu Limited. Pattern inspection system. 4,830,497, 5-16-89, Cl. 356-394.000.
- Iwata, Satoshi: *See—*
  - Mitsushima, Susumu; Kawano, Junji; and Iwata, Satoshi, 4,845,514, Cl. 346-76.0PH.
- Iwata, Seiichi; and Takenaka, Kyoji, to Fuji Jukogyo Kabushiki Kaisha. Power transmission system for a four-wheel drive. 4,805,718, 2-21-89, Cl. 180-233.000.
- Iwata, Seiichi: *See—*
  - Kobayashi, Nobuyoshi; Hara, Nobuo; Iwata, Seiichi; and Yamamoto, Naoki, 4,807,015, Cl. 357-67.000.
- Iwata, Shigemi; and Ikejima, Hiroyuki, to Mitsubishi Denki Kabushiki Kaisha. Control apparatus for elevator. 4,817,761, 4-4-89, Cl. 187-116.000.
- Iwata, Shigemi: *See—*
  - Ikejima, Satomi; and Iwata, Shigemi, 4,832,159, Cl. 187-129.000.
- Iwata, Shuji: *See—*
  - Watanabe, Shoyu; Nakano, Masaaki; Iwata, Shuji; Nakajima, Osamu; and Saitoh, Yusaku, 4,868,351, Cl. 178-19.000.
- Iwata, Syuji: *See—*
  - Nakano, Masaaki; Watanabe, Syoyu; Saito, Yusaku; and Iwata, Syuji, 4,841,290, Cl. 340-707.000.
- Iwata, Takahiro, to Honda Giken Kogyo Kabushiki Kaisha. System for controlling an internal combustion engine for motor vehicles equipped with an automatic transmission. 4,889,014, 12-26-89, Cl. 74-858.000.
- Iwata, Takahiro: *See—*
  - Yasuoka, Akimasa; Kiuchi, Takeo; and Iwata, Takahiro, 4,819,596, Cl. 123-339.000.
- Iwata, Takeshi: *See—*
  - Fujii, Noriaki; Iwata, Takeshi; and Oikawa, Toshihiro, 4,796,574, Cl. 123-90.230.
- Iwata, Tamami: *See—*
  - Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Egashira, Noritaka; Iwata, Tamami; and Satake, Naoto, 4,837,200, Cl. 503-227.000.
- Iwata, Tetsuya; and Saito, Tatsuya, to Alps Electric Co., Ltd. Thin film magnetic head. 4,819,112, 4-4-89, Cl. 360-126.000.
- Iwata, Tetsuya: *See—*
  - Nakashima, Keishi; Iwata, Tetsuya; Tanaka, Yasuo; and Hashidate, Toshiaki, 4,811,142, Cl. 360-103.000.
- Iwata, Toru: *See—*
  - Tamura, Minoru; Murakami, Terukiyo; Inoue, Hideaki; and Iwata, Toru, 4,866,618, Cl. 364-431.030.
- Iwata, Toshiharu: *See—*
  - Hino, Yusuke; Horimoto, Tohru; Gemma, Hideaki; Iwata, Toshiharu; and Yamada, Kimitoshi, 4,879,550, Cl. 340-825.050.
- Iwata, Toshio, to Mitsubishi Denki Kabushiki Kaisha. Ignition control device for internal combustion engine. 4,848,304, 7-18-89, Cl. 123-609.000.
- Iwata, Tsutomu: *See—*
  - Sakata, Yoshitsugu; Hashidume, Kazunari; Iwata, Tsutomu; Mukai, Toyoharu; and Kida, Masaaki, 4,879,383, Cl. 544-37.000.
- Iwata, Yasuo; Mae, Shigenori; Urai, Yoshio; and Tsunoda, Takayuki, to Toyota Jidosha Kabushiki Kaisha. Aluminium alloy having an excellent forgiability. 4,889,557, 12-26-89, Cl. 75-249.000.
- Iwata, Yasuo: *See—*
  - Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, 4,879,340, Cl. 525-54.200.
  - Muto, Yoshiyuki; Sakakibara, Kouzou; Iwata, Yasuo; and Chiba, Shigesaburo, 4,848,691, Cl. 242-58.100.
- Iwata, Yoichi; Tanaka, Nubuo; and Katurayama, Junichi, to Mitsubishi Petrochemical Company, Limited. Piezoelectric and foam resin sheet speaker. 4,807,294, 2-21-89, Cl. 381-190.000.
- Iwata, Yoshihito: *See—*
  - Saito, Hiroshi; Sakamoto, Noboru; Fukuya, Hiroshi; and Iwata, Yoshihito, 4,810,290, Cl. 75-257.000.
- Iwata, Yoshikazu; Sugiyama, Makoto; and Miyauchi, Motohisa, to Toho Rayon Co., Ltd. Carbonizing furnace. 4,820,905, 4-11-89, Cl. 219-390.000.
- Iwata, Yoshikazu: *See—*
  - Koesashi, Yuzo; Kawade, Yasuhiko; and Iwata, Yoshikazu, 4,859,123, Cl. 408-233.000.
- Iwata, Yuzo; Makiuchi, Hajime; and Kitajima, Masao, to Fuji Photo Film Co., Ltd. Method for quantitative analysis of analyte in liquid sample using analytical element. 4,884,213, 11-28-89, Cl. 364-497.000.
- Iwata, Yuzo: *See—*
  - Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, 4,832,488, Cl. 356-243.000.
  - Muraishi, Katsuaki; Yaginuma, Nakatsugu; Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, 4,855,109, Cl. 422-63.000.
- Iwatani, Shiro; and Tokugawa, Kazuya, to Mitsubishi Denki Kabushiki Kaisha. Starter motor control device for engines. 4,803,377, 2-7-89, Cl. 290-38.00R.
- Iwatani, Shiro, to Mitsubishi Denki Kabushiki Kaisha. Control device for an a.c. generator for an automobile. 4,812,732, 3-14-89, Cl. 322-99.000.
- Iwatani, Shiro: *See—*
  - Kaneyuki, Kazutoshi; and Iwatani, Shiro, 4,839,576, Cl. 322-25.000.
  - Morishita, Mitsuharu; Iwatani, Shiro; and Nanba, Mitsuaki, 4,848,646, Cl. 228-206.000.
- Iwatschenko, Peter, to Pfrummer-Viggo GmbH Co. KG. Stiffening of probes. 4,798,593, 1-17-89, Cl. 604-164.000.
- Iwatschenko, Peter; Wolkenstrorfer, Wolfgang; Hofmann, Wolfgang; and Prell, Walter, to Pfrimmer-Viggo GmbH & Co. KG. Control clamp for infusion hoses. 4,811,928, 3-14-89, Cl. 251-7.000.
- Iwatschenko, Peter, to Pfrimmer-Viggo GmbH & Co. Catheter for percutaneous gastrostomy. 4,834,725, 5-30-89, Cl. 604-281.000.
- Iwatsu Electric Co., Ltd.: *See—*
  - Kawamura, Masataka; and Shimatani, Toshimichi, 4,805,165, Cl. 370-84.000.
  - Motohashi, Fumihiko, 4,866,352, Cl. 315-365.000.
  - Ohtsuka, Hiroo; Hara, Osamu; Hori, Akira; and Nodoa, Minoru, 4,854,889, Cl. 439-395.000.
  - Oto, Ikuo; Hyakutake, Hayato; and Kobirumaki, Ryo, 4,886,730, Cl. 430-137.000.
  - Shimatani, Toshimichi; Kawata, Yoshihiro; Kawashima, Masayuki; and Omori, Hideharu, 4,815,099, Cl. 375-7.000.
- Iwatsubo, Masahito: *See—*
  - Shinohara, Tooru; and Iwatsubo, Masahito, 4,879,498, Cl. 318-254.000.
- Iwatsuka, Takeshi; and Kasai, Toshio, to Japan Organo Co., Ltd. Column filter using bundles of long fibers. 4,886,601, 12-12-89, Cl. 210-321.790.
- Iwatsuka, Yoshihisa: *See—*
  - Ohsono, Kohei; and Iwatsuka, Yoshihisa, 4,795,407, Cl. 474-28.000.
  - Ohzono, Kouhei; Takeuchi, Kazuhiro; and Iwatsuka, Yoshihisa, 4,842,115, Cl. 192-85.00F.
- Iwatsuki, Haruki: *See—*
  - Yokoyama, Chujiro; Fukui, Kazuyuki; and Iwatsuki, Haruki, 4,801,134, Cl. 271-122.000.
- Iwatsuki, Kunihiro; and Shindo, Yoshio, to Toyota Jidosha Kabushiki Kaisha. System for controlling engine torque. 4,811,223, 3-7-89, Cl. 364-424.100.
- Iwatsuki, Kunihiro; and Shindo, Yoshio, to Toyota Jidosha Kabushiki Kaisha. Device for controlling engine torque in vehicle. 4,815,340, 3-28-89, Cl. 74-858.000.
- Iwatsuki, Kunihiro; and Shindo, Yoshio, to Toyota Jidosha Kabushiki Kaisha. Device for integrally controlling a supercharged engine and automatic transmission in vehicle. 4,858,496, 8-22-89, Cl. 74-863.000.
- Iwatsuki, Kunihiro: *See—*
  - Hayashi, Kazuhiko; Kuroyanagi, Shigeru; and Iwatsuki, Kunihiro, 4,841,447, Cl. 364-431.070.
  - Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshihara, 4,875,665, Cl. 267-170.000.
  - Yasue, Hideki; Fukumura, Kagenori; Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,819,187, Cl. 364-431.010.
- Iwatsuki, Makoto; and Hayashi, Toshio, to Ajinomoto Company, Inc. Silk-fibroin and human-fibrinogen adhesive composition. 4,818,291, 4-4-89, Cl. 106-124.000.
- Iwatsuki, Tatsuya; Kawamoto, Mutsumi; and Kano, Takenori, to Aisin-Warner Kabushiki Kaisha. Limiting/switching device for four wheel drive vehicle. 4,862,768, 9-5-89, Cl. 74-701.000.
- Iwaya Corporation: *See—*
  - Ebihara, Satoru; and Yamaguchi, Jiro, 4,836,820, Cl. 446-289.000.
  - Oikawa, Shinji; and Yamaguchi, Jiro, 4,813,908, Cl. 446-298.000.
  - Oishi, Shingo; and Kikuchi, Toshihiro, 4,795,395, Cl. 446-175.000.
  - Oishi, Shingo; and Nishizawa, Shohta, 4,836,819, Cl. 446-288.000.
  - Takahashi, Hajime; and Toda, Masahiro, 4,810,226, Cl. 446-300.000.
  - Takahashi, Hajime; and Maeda, Eiichi, 4,820,232, Cl. 446-178.000.
- Iwaya, Katsumasa: *See—*
  - Fukasawa, Junichi; Kato, Haruya; Iwaya, Katsumasa; Shimizu, Takako; and Kawano, Atsushi, 4,857,308, Cl. 424-63.000.
- Iwaya, Shoichi; Masumura, Hitoshi; Takahashi, Hiroki; Ohkawara, Masaaki; Kobayashi, Katsumi; and Ito, Takashi, to TDK Corporation; and Ohkawara Kakohki Co. Spray drying process and apparatus therefor. 4,809,442, 3-7-89, Cl. 34-10.000.
- Iwaya, Shoichi: *See—*
  - Sasaki, Setsuo; Iwaya, Shoichi; Taguchi, Teruo; Tanaka, Seizou; Satoh, Takeyoshi; and Koganebuchi, Mutsuo, 4,811,161, Cl. 361-302.000.
- Iwaya, Shouichi; Masumura, Hitoshi; and Hamada, Munemitsu, to TDK Corporation. Discharge lamp device having semiconductor ceramic cathode. 4,808,883, 2-28-89, Cl. 313-632.000.
- Iwaya, Toshio, to Canon Kabushiki Kaisha. Image recording apparatus. 4,87[illegible],570, 10-24-89, Cl. 355-204.000.
- Iwaya, Toshio: *See—*
  - Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.

- Iwayama, Kazuyoshi; Magatani, Yasuhiro; and Tada, Kuniyuki, to Toray Industries, Inc. Process for the isomerization of dichlorotoluene. 4,861,928, 8-29-89, Cl. 570-202.000.
- Iwayama, Kenzo: *See—*
  - Yoshitomi, Yasunari; and Iwayama, Kenzo, 4,824,493, Cl. 148-111.000.
  - Yoshitomi, Yasunari; Iwayama, Kenzo; Nagashima, Takeo; and Yakashiro, Kenichi, 4,888,066, Cl. 148-113.000.
- Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, to Hitachi, Ltd. Resist pattern forming process with dry etching. 4,835,089, 5-30-89, Cl. 430-323.000.
- IXYS Corporation: *See—*
  - Arcus, Christopher G., 4,876,517, Cl. 330-277.000.
  - Arcus, Christopher G., 4,890,013, Cl. 307-355.000.
  - Barron, Mark B., 4,881,106, Cl. 357-23.800.
  - Zommer, Nathan, 4,835,592, Cl. 357-68.000.
  - Zommer, Nathan, 4,860,072, Cl. 357-23.800.
- Iya, Sridhar K., to Union Carbide Corporation. Reactor for fluidized bed silane decomposition. 4,818,495, 4-4-89, Cl. 422-145.000.
- Iyanicki, Andrzej T. Pipe coupling. 4,798,404, 1-17-89, Cl. 285-12.000.
- Iyasaka Seiki Limited: *See—*
  - Masuko, Shogo; Shimada, Morihiro; and Fujii, Hiroshi. 4,863,266, Cl. 356-152.000.
- Iyer, Mani: *See—*
  - Rogers, Kermett A.; Tucker, Robert C.; and Iyer, Mani, 4,823,568, Cl. 70-58.000
- Iyer, Natraj C.: *See—*
  - Hoyer, Norman S.; and Iyer, Natraj C., 4,810,289, Cl. 75-232.000.
- Iyer, Raja; Shah, Rasik C.; and Laitar, Robert A., to Acme Resin Corporation. Resin binders for foundry sand cores and molds. 4,848,442, 7-18-89, Cl. 164-526.000.
- Iyer, Rama S.: *See—*
  - Ghosh, Pushpito K.; Bhattacharyya, Dhirendra N.; Iyer, Rama S.; Chikale, Sudhakar V.; Chattopadhyay, Arun K.; Paul, Sasanka S.; and Rao, Vattipalli M., 4,808,251, Cl. 149-2.000.
- Iyer, Ramachanderan: *See—*
  - Hodson, Harold F.; Batchelor, John F.; Selway, John W. T.; Vinter, Jeremy G.; and Iyer, Ramachanderan, 4,801,593, Cl. 514-307.000.
- Iyer, Sanjay: *See—*
  - Moller, Ole H.; Iyer, Sanjay; and Chu, Paul P. L., 4,868,735, Cl. 364-200.000.
- Iyer, Uma: *See—*
  - Ghebre-Sellassie, Isaac; Nesbitt, Russell U., Jr.; Iyer, Uma; and Fawzi, Mahdi B., 4,810,501, Cl. 424-469.000.
- Iyoda, Hiroumi; and Nakazawa, Hayashi, to Hitachi, Ltd. Power transmitting apparatus having chain retaining member. 4,820,245, 4-11-89, Cl. 474-140.000.
- Iyoda, Hiroumi: *See—*
  - Nakazawa, Hayashi; Iyoda, Hiroumi; and Ueta, Makoto, 4,811,829, Cl. 198-326.000.
- Iyoda, Syozo: *See—*
  - Ubukata, Susumu; Mizutani, Yasukazu; and Iyoda, Syozo, 4,843,363, Cl. 337-94.000.
- Iyogi, Kiyoshi; Yasumoto, Takaaki; Yanazawa, Toshirou; Iwase, Nobuo; Nakahashi, Masako; and Takeda, Hiromitsu, to Kabushiki Kaisha Toshiba. Electronic component parts and method for manufacturing the same. 4,835,344, 5-30-89, Cl. 174-68.500.
- Iyogi, Kiyoshi; Yamakawa, Koji; and Iwase, Nobuo, to Kabushiki Kaisha Toshiba. Method of manufacturing electronic parts including transfer of bumps of larger particle sizes. 4,855,251, 8-8-89, Cl. 437-183.000.
- Izadi, Said: *See—*
  - Bowen, Kim E.; Foster, Steven M.; and Izadi, Said, 4,851,190, Cl. 419-66.000
- Izaguirre, Lowell F., Sr., to Watsco Components, Inc. Three phase electrical load protection device. 4,825,328, 4-25-89, Cl. 361-90.000.
- Izai, Sadamu: *See—*
  - Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, 4,875,960, Cl. 156-203.000.
- Izaiku, Hiromi: *See—*
  - Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, 4,826,902, Cl. 524-168.000.
- Izaki, Kansei; Kawakami, Takamasa; Hakkei, Kouichi; and Ando, Kazuhiro, to Mitsubishi Gas Chemical Company, Inc. Silicon nitride-silicon carbide composite material and process for production thereof. 4,800,182, 1-24-89, Cl. 501-92.000.
- Izaki, Masataka: *See—*
  - Oshima, Mitsuaki; Izaki, Masataka; Kajino, Jirou; Igarashi, Yoshiaki; and Mitani, Hiroshi, 4,856,882, Cl. 350-500.000.
- Izaki, Naoyuki: *See—*
  - Suzuki, Masayoshi; and Izaki, Naoyuki, 4,808,845, Cl. 307-270.000.
- Izaki, Shozo: *See—*
  - Sakami, Yasuo; Okina, Shigetaka; Tsubouchi, Junichi; Izaki, Shozo; Fukushima, Toshitaka; Watanabe, Hiroyuki; and Ishizaki, Masao, 4,839,854, Cl. 364-900.000.
- Izaki, Takeshi; and Kawahara, Hiroshi, to Brother Kogyo Kabushiki Kaisha. Pressure developing apparatus. 4,884,501, 12-5-89, Cl. 100-176.000.
- Izaki, Takeshi: *See—*
  - Hatta, Naoyuki; Yoshihara, Hideo; Izaki, Takeshi; Sawada, Akihiro; Yamamoto, Takemi; and Sangyoji, Kazuo, 4,797,107, Cl. 434-408.000.
- Izaki, Takesi: *See—*
  - Watanabe, Satoshi; Sugahara, Hiroto; and Izaki, Takesi, 4,872,032, Cl. 354-297.000.
- Izaki, Teruaki; Yoshida, Makoto; Osawa, Masami; Higuchi, Seijun; and Maruta, Akinori. High corrosion resistant plated composite steel strip. 4,800,134, 1-24-89, Cl. 428-626.000.
- Izaki, Teruaki: *See—*
  - Wada, Toshiya; Tanaka, Osamu; Egawa, Takatoshi; Yoshida, Makoto; Higuchi, Seizun; and Izaki, Teruaki, 4,863,531, Cl. 148-111.000.
  - Yoshida, Makoto; Higuchi, Seijun; Izaki, Teruaki; and Tanaka, Osamu, 4,846,939, Cl. 204-15.000.
- Izawa, Akihiro: *See—*
  - Igashira, Toshihiko; Sakakibara, Yasuyuki; Abe, Seiko; Sekiguchi, Kiyonori; Izawa, Akihiro; and Kawai, Hisasi, 4,887,569, Cl. 123-300.000.
- Izawa, Fumio; and Shinozaki, Masayuki, to Kabushiki Kaisha Toshiba. Non-contact reading type IC card with pre-enhancement function 4,803,350, 2-7-89, Cl. 235-492.000.
- Izawa, Fumio: *See—*
  - Ohta, Toshihiko; and Izawa, Fumio, 4,825,056, Cl. 235-449.000.
- Izawa, Ichiro: *See—*
  - Yoshino, Yoshimi; Arasuna, Toshikazu; Ao, Kenichi; Ariga, Katsuhiko; Matsushita, Toshikazu; and Izawa, Ichiro, 4,835,509, Cl. 338-32.00R.
- Izawa, Koji: *See—*
  - Harakawa, Yoshihiro; Izawa, Koji; Takeuchi, Hidemitsu; Nakamura, Shinji; and Toita, Sadamu, 4,805,074, Cl. 361-525.000
  - Nakajima, Shunichi; and Izawa, Koji, 4,841,375, Cl. 353-280.000.
  - Takagi, Shiro; Sato, Minoru; and Izawa, Koji, 4,885,704, Cl. 364-521.000.
- Izawa, Masaki: *See—*
  - Inagaki, Hiromi; Matsuura, Kazuo; Koike, Tetsuya; Suenaga, Toshihiko; Yorita, Masaru; and Izawa, Masaki, 4,811,933, Cl. 267-140.100.
- Izawa, Minoru; Hamamoto, Tadanao; Ishikawa, Masaru; Dohke, Harumi; and Nakano, Tasuku, to Toyota Jidosha Kabushiki Kaisha and Kabushiki Kaisha Tokai Rika Denki Seisakusho. Apparatus for controlling a vehicle headlamp. 4,890,037, 12-26-89, Cl. 315-77.000.
- Izawa, Minoru: *See—*
  - Hida, Tsuneo; Takizawa, Sumio; Ishii, Hakumi; Kegasa, Hideo; and Izawa, Minoru, 4,881,020, Cl. 318-626.000.
- Izawa, Nobuo: *See—*
  - Kushimoto, Toshihiro; Ozawa, Yoshimichi; and Izawa, Nobuo, 4,818,808, Cl. 528-275.000.
- Izawa, Nobuyoshi: *See—*
  - Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, 4,833,665, Cl. 369-58.000.
- Izawa, Nobuyuki: *See—*
  - Ohkubo, Yasunori; Suzuki, Toshihiko; and Izawa, Nobuyuki, 4,849,065, Cl. 156-617.100.
- Izawa, Shigeru; and Hasemi, Takashi, to CSK Corporation. Data record formatting system and reading/writing system for optical recording medium. 4,881,214, 11-14-89, Cl. 369-44.000.
- Izawa, Shinichi: *See—*
  - Nakazima, Osamu; and Izawa, Shinichi, 4,863,996, Cl. 525-92.000.
  - Saito, Kazuaki; Nishimura, Yoshifumi; and Izawa, Shinichi, 4,849,471, Cl. 525-66.000.
- Izawa, Shoji; Fujihira, Hiroshi; and Yasui, Yoshiaki, to Tokyo Electric Co., Ltd. Facsimile apparatus with a mode for receiving non-image information. 4,829,559, 5-9-89, Cl. 379-96.000.
- Izawa, Susumu: *See—*
  - Akiyama, Hiroyuki; Izawa, Susumu; Kuwabara, Hideki; and Yamaguchi, Toru, 4,889,671, Cl. 264-53.000.
- Izawa, Takao: *See—*
  - Ekimoto, Hisao; Suzuki, Masanobu; Izawa, Takao; Takahashi, Katsutoshi; Nakatani, Tokuji; and Fujii, Akio, 4,824,955, Cl. 546-266.000.
- Izawa, Taketoshi: *See—*
  - Shinohara, Masanao; Kaise, Hirotsugu; Nakano, Yoshimasa; Izawa, Taketoshi; Oshiro, Yasuo; and Miyazaki, Wasei, 4,831,053, Cl. 514-462.000.
- Izawa, Tetsurou; Miyazawa, Toshio; Nishizawa, Shigeki; Takemoto, Iwao; and Yasuda, Kouzou, to Hitachi, Ltd. Solid-state matrix array imaging device controlled by vertical scanning registers for read-out and for photo-sensitivity control. 4,870,493, 9-26-89, Cl. 358-213.190.
- Izawa, Tetsurou: *See—*
  - Nishizawa, Shigeki; Takemoto, Iwao; Miyazawa, Toshio; and Izawa, Tetsurou, 4,841,369, Cl. 358-213.260.
  - Takemoto, Iwao; Izawa, Tetsurou; Sokei, Hiroichi; and Suzuki, Toshiki, 4,866,292, Cl. 250-578.000.
- Izawa, Toichiro: *See—*
  - Mizutani, Toyonobu; Yoshizawa, Masao; and Izawa, Toichiro, 4,818,731, Cl. 501-17.000.
- Izenour, George C., to Lehigh University. Stage lighting apparatus. 4,843,529, 6-27-89, Cl. 362-284.000.
- Izenour, George C., to Lehigh University. Stage lighting apparatus. 4,890,208, 12-26-89, Cl. 362-294.000.
- Izevbehai, Philip H.: *See—*
  - Bolton, Sanford; Izevbehai, Philip H.; and Desai, Subhash, 4,814,178, Cl. 424-467.000.
- Izimi Products Company: *See—*
  - Takano, Hiroji, 4,825,755, Cl. 92-13.600.
- Izon Industries Inc.: *See—*
  - Sheffield, James, 4,884,962, Cl. 425-234.000.

- Izquierdo, Agustin. Survival knife sheath. 4,803,745, 2-14-89, Cl. 7-170.000.
- Izubayashi, Masuji: *See—*
  - Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.
- Izuhara, Katsuhiro: *See—*
  - Kobayashi, Hisamine; and Izuhara, Katsuhiro, 4,807,403, Cl. 51-313.000.
- Izuhara, Koichi; Caruso, Jeffrey L.; and Johnson, Theodore C., to Minolta Camera Kabushiki Kaisha. Word processor capable of automatic tilting of documents. 4,841,472, 6-20-89, Cl. 364-900.000.
- Izuhara, Seiji; Kitamori, Nobuyuki; and Maeno, Masaya, to Takeda Chemical Industries, Ltd. Vitamin-containing granules and production thereof. 4,868,180, 9-19-89, Cl. 514-251.000.
- Izuhara, Yasuyuki: *See—*
  - Moriya, Shigeru; Hijikata, Sadao; Izuhara, Yasuyuki; Harada, Akihiro; Tsuzuki, Kunimasa; Nimura, Shigeki; and Watanabe, Hiroshi, 4,867,829, Cl. 156-251.000.
- Izui, Masaru: *See—*
  - Takigawa, Shogo; and Izui, Masaru, 4,862,645, Cl. 51-81.00R.
- Izuka, Akihiro; Onizawa, Yoshio; and Yamashita, Mitsuru, to Daicel Chemical Industries, Ltd. Plastic substrate for optical disk and process for producing the same. 4,841,501, 6-20-89, Cl. 369-13.000.
- Izukawa, Kazuhiro: *See—*
  - Tsukimoto, Takayuki; Okuno, Takuo; Izukawa, Kazuhiro; and Okumura, Ichiro, 4,810,923, Cl. 310-323.000.
- Izumi, Akihiro: *See—*
  - Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihiro; Ishimori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.
- Izumi, Akira; Kishi, Tomomi; and Niwa, Hideo, to Toyota Jidosha Kabushiki Kaisha; and Sanmei Denki Kabushiki Kaisha. Movable yoke-type lifting magnet device. 4,840,417, 6-20-89, Cl. 294-65.500.
- Izumi, Akira; and Nagasaka, Ichiro, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Devices for supporting an LPG tank bracket of an LPG fork lift. 4,846,499, 7-11-89, Cl. 280-830.000.
- Izumi, Akira: *See—*
  - Mizusaki, Sigenobu; Matsushita, Hajime; Ishiguro, Shigeo; Ichinose, Hiroshi; and Izumi, Akira, 4,877,909, Cl. 568-880.000.
- Izumi, Asahiro, to Kabushiki Kaisha Ishida Koki Seisakusho. Cover apparatus for weighing machines. 4,812,701, 3-14-89, Cl. 312-285.000.
- Izumi, Eiichi; Iwamoto, Hiroshi; Mitani, Eisuke; and Shichi, Hiroyasu, to Hitachi, Ltd. Secondary ion mass spectrometer. 4,851,673, 7-25-89, Cl. 250-309.000.
- Izumi, Eiichi: *See—*
  - Ikebe, Yoshinori; Tamura, Hifumi; and Izumi, Eiichi, 4,833,331, Cl. 250-440.100.
- Izumi, Eiki; Tanaka, Yasuo; Watanabe, Hiroshi; and Nakamura, Shigetaka, to Hitachi Construction Machinery Co., Ltd. Control system for controlling input power to variable displacement hydraulic pumps of a hydraulic system. 4,809,504, 3-7-89, Cl. 60-430.000.
- Izumi Food Machinery Co., Ltd.: *See—*
  - Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
- Izumi, Fumiaki; and Sekido, Shinji, to Toyota Jidosha Kabushiki Kaisha. Diagnostic system for a kickdown switch in an automotive vehicle. 4,833,947, 5-30-89, Cl. 74-877.000.
- Izumi, Fumiaki: *See—*
  - Hamano, Yukio; Tomomatsu, Hideo; Izumi, Fumiaki; and Taga, Yutaka, 4,838,125, Cl. 74-866.000.
  - Hamano, Yukio; and Izumi, Fumiaki, 4,846,021, Cl. 74-866.000.
- Izumi, Hirohumi: *See—*
  - Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sudo, Ryoichi; Iwami, Etsuji; and Izumi, Hirohumi, 4,866,338, Cl. 313-478.000.
- Izumi, Hisashi: *See—*
  - Tamura, Minoru; Katayose, Shinji; Murakami, Terukiyo; and Izumi, Hisashi, 4,879,657, Cl. 364-431.070.
- Izumi, Kouji; Eguti, Hirotoshi; Ohta, Eiichi; Kimura, Yuhji; and Ebi, Yutaka, to Ricoh Company, Ltd. Force sensing apparatus. 4,836,034, 6-6-89, Cl. 73-862.040.
- Izumi, Kouji; Itagaki, Masanori; Ohta, Eiichi; Okamoto, Hiroyuki; Ino, Masumitsu; and Equchi, Hirotoshi, to Ricoh Company, Ltd. Force detecting device. 4,849,730, 7-18-89, Cl. 338-2.000.
- Izumi, Kouji: *See—*
  - Takahashi, Junichi; Kosaka, Daisuke; Eguchi, Hirotoshi; Matsumoto, Shoji; Akahori, Takashi; Yamazaki, Hiroshi; and Izumi, Kouji, 4,384,051, Cl. 338-4.000.
- Izumi, Masaki, to Eastman Kodak Company. Color thermal printer printing system. 4,849,775, 7-18-89, Cl. 346-151.000.
- Izumi, Masaki; and Miura, Tsutomu, to Eastman Kodak Company. Thermal recording apparatus. 4,887,094, 12-12-89, Cl. 346-76.0PH.
- Izumi, Masaki: *See—*
  - Hatakeyama, Atsushi; Izumi, Masaki; and Ohmori, Seishi, 4,812,064, Cl. 400-622.000.
- Izumi, Masao: *See—*
  - Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.
- Izumi, Masayuki: *See—*
  - Sakurai, Mikio; Hayashi, Tsutomu; Izumi, Masayuki; Sasaki, Hiroshi; Satho, Thoru; and Owada, Kazuo, 4,806,277, Cl. 252-626.000.
- Izumi, Mitsuhiko: *See—*
  - Wakui, Tadahiro; Yoshino, Kenji; Komatsu, Masafumi; Kumazawa, Yumiko; Yamagishi, Touru; and Izumi, Mitsuhiko, 4,851,497, Cl. 528-176.000.
  - Yoshino, Kenji; Wakui, Tadahiro; Kumazawa, Yumiko; Izumi, Mitsuhiko; and Yamagishi, Touru, 4,839,128, Cl. 264-328.100.
- Izumi Seimitsu Kogyo Kabushiki Kaisha: *See—*
  - Kamijo, Kenichi, 4,853,822, Cl. 361-100.000.
  - Uchiyama, Hiromi; and Nakano, Tsuyoshi, 4,839,964, Cl. 30-43.600.
- Izumi, Shigeru: *See—*
  - Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu, 4,843,537, Cl. 364-187 000.
  - Kitaguchi, Hiroshi; Izumi, Shigeru; and Suzuki, Satoshi, 4,879,466, Cl. 250-370.140.
- Izumi, Shuji; Nakai, Masaaki; Fujino, Akihiko; Yamaki, Toshio; Mukai, Hiromu; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Multi-point photometric apparatus. 4,796,043, 1-3-89, Cl. 354-402.000.
- Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihiko; Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masatake, to Minolta Camera Kabushiki Kaisha. Display device for use in a camera. 4,847,651, 7-11-89, Cl. 354-471.000.
- Izumi, Shuji: *See—*
  - Nakai, Masaaki; Izumi, Shuji; Fujino, Akihiko; Taniguchi Nobuyuki; Yamaki, Toshio; and Mukai, Hiromu, 4,821,074, Cl. 354-402.000.
- Izumi, Takayuki; Komine, Kikuji; and Kobayashi, Wataru, to Toa Nenryo Kogyo Kabushiki Kaisha. Process for manufacturing carbon fiber and graphite fiber. 4,810,437, 3-7-89, Cl. 264-29.200.
- Izumi, Tatsuro: *See—*
  - Fujino, Akihiko; Ootsuka, Hiroshi; and Izumi, Tatsuro, 4,812,862, Cl. 354-21.000.
  - Fujino, Akihiko; Ootsuka, Hiroshi; and Izumi, Tatsuro, 4,890,134, Cl. 354-442.000.
- Izumi, Toshiaki; Noguchi, Kiyoshi; Shimizu, Hisae; and Kohmoto, Misao, to TDK Corporation. Magnetic recording medium of particular coercive force, filling ratio, and protrusions and recording/reproducing method therefor. 4,816.933, 3-28-89, Cl. 360-55.000.
- Izumi, Toshiro: *See—*
  - Kawase, Shinji; and Izumi, Toshiro, 4,831,847, Cl. 66-123.000.
- Izumi, Tsugio: *See—*
  - Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuya; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.
  - Sagi, Nobuo; Izumi, Tsugio; Kida, Haruyasu; and Maeda, Hirokazu, 4,839,192, Cl. 426-607.000.
- Izumi, Tsuguo: *See—*
  - Ezaki, Mitsuo; Kobayashi, Makoto; and Izumi, Tsuguo, 4,808,334, Cl. 252-314.000.
- Izumi, Yoshinori: *See—*
  - Ninomiya, Yuichi; Ohtsuka, Yoshimichi; Izumi, Yoshinori; Gohshi, Seiichi; and Shishikui, Yoshiaki, 4,884,136, Cl. 358-105.000.
- Izumichi, Hideo: *See—*
  - Imai, Koichi; and Izumichi, Hideo, 4,814,129, Cl. 264-83.000.
- Izumida, Kouji: *See—*
  - Arai, Seizou; Fukumoto, Kikuo; Sunaga, Seizo; and Izumida, Kouji, 4,823,733, Cl. 118-630.000.
- Izumida, Satoshi; Kitamura, Katsumi; Kurita, Masaru; and Tanaka, Yasuo, to Ikeda Bussan Co., Ltd. Seat cushion structure. 4,834,458, 5-30-89, Cl. 297-459.000.
- Izumida, Satoshi, to Ikeda Bussan Co., Ltd. Foldable and detachable seat for motor vehicle. 4,836,597, 6-6-89, Cl. 296-63.000.
- Izumida, Satoshi; and Kitamura, Katsumi, to Ikeda Bussan Co., Ltd. Seat structure. 4,883,320, 11-28-89, Cl. 297-452.000.
- Izumida, Tatsuo: *See—*
  - Mizuno, Hiroko; Kikuchi, Makoto; Tamata, Shin; Izumida, Tatsuo; and Baba, Tsutomu, 4,804,498, Cl. 252-628.000.
- Izumida, Teruo: *See—*
  - Yamanaka, Yasutoshi; Izumida, Teruo; and Nomura, Kazuya, 4,836,276, Cl. 165-51.000.
- Izumida, Toshiaki: *See—*
  - Umemura, Toshikazu; Maeda, Kenji; Kojima, Yutaka; Izumida, Toshiaki; and Tanabe, Kou, 4,845,193, Cl. 528-502.000.
- Izumida, Yukihiro; Shirai, Shoji; Komoro, Hidemasa; Majima, Kazuo; and Yamaguchi, Akio, to Hitachi, Ltd. Electron gun for color picture tubes having uniquely formed lens apertures. 4,833,364, 5-23-89, Cl. 313-414.000.
- Izumihara, Yoshikazu: *See—*
  - Kakehi, Nobuo; Takahashi, Yuzuru; Higuchi, Norio; Izumihara, Yoshikazu; Matsumoto, Hiromi; and Uehori, Yuji, 4,876,874, Cl. 72-199.000.
- Izumina, Masanobu: *See—*
  - Hamakawa, Yoshihiro; Tawada, Yoshihisa; Tsuge, Kazunori; and Izumina, Masanobu, 4,875,943, Cl. 136-244.000.
- Izumine, Zenzo, to Yutaka Giken Co., Ltd. Brake disk. 4,821,848, 4-18-89, Cl. 188-218.0XL.
- Izumine, Zenzo, to Yutaka Giken Co., Ltd. Brake disk. 4,848,521, 7-18-89, Cl. 188-18.00A.
- Izumino, Satomi, to Tanashin Denki Co., Ltd. Flat cable connecting device. 4,799,129, 1-17-89, Cl. 361-428.000.
- Izumisawa, Osamu, to Shinano Pneumatic Industries Inc. Tightening device. 4,821,611, 4-18-89, Cl. 81-464.000.

- Izumisawa, Yoshiaki: *See—*
  - Tamaru, Akio; and Izumisawa, Yoshiaki, 4,877,900, Cl. 562-413.000.
- Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Masuo; Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Nobuo, to Hitachi, Ltd. Demodulation circuit for digital modulated signal. 4,868,853, 9-19-89, Cl. 375-111.000.
- Izumita, Morishi: *See—*
  - Doi, Nobukazu; Imai. Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.
- Izumita, Yuji: *See—*
  - Kuwahara, Hiroshi; Shibukawa, Masaru; and Izumita, Yuji, 4,835,773, Cl. 371-8.000.
- Izumitani, Masayoshi; and Soga, Akihiro, to Sharp Kabushiki Kaisha. Shredder. 4,873,811, 10-17-89, Cl. 53-138.00A.
- Izumitani, Tetsuro; Matsukawa, Michimasa; and Hata, Chiemi, to Hoya Corporation. Silicophosphate laser glass. 4,820,662, 4-11-89, Cl. 501-73.000.
- Izumitani, Tetsuro: *See—*
  - Hata, Chiemi; Hara, Kouichi; and Izumitani, Tetsuro, 4,816,049, Cl. 65-3.200.
  - Miura, Kiyotaka; Izumitani, Tetsuro; and Yamashita, Toshiharu, 4,806,138, Cl. 65-32.100.
  - Yamashita, Toshiharu; Amano, Sho; Tajima, Hidemi; Masuda, Isao; and Izumitani, Tetsuro, 4,871,230, Cl. 350-96.340.
- Izumiya, Hirotsugu; and Kariya, Mikio, to NGK Insulators, Ltd. Ceramic envelope device for high-pressure discharge lamp. 4,825,126, 4-25-89, Cl. 313-623.000.
- Izumiya, Hirotsugu: *See—*
  - Kajihara, Takehiro; Atsumi, Senji; and Izumiya, Hirotsugu, 4,800,320, Cl. 313-625.000.
  - Kariya, Mikio; and Izumiya, Hirotsugu, 4,808,881, Cl. 313-624.000.
- Izumiyama, Tohru, to Alps Electric Co., Ltd. CATV receiver. 4,827,509, 5-2-89, Cl. 380-10.000.
- Izumo Industrial Co., Ltd.: *See—*
  - Tsujimura, Osamu; Arai, Tatsuo; and Hiyama, Nobuo, 4,844,666, Cl. 407-34.000.
- Izumo, Takeshi: *See—*
  - Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,872,068, Cl. 358-342.000.
  - Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,885,644, Cl. 358-342.000.
- Izunaga, Yasushi; Kuno, Hiroaki; and Sado, Shintaro, to Hatachi, Ltd. Mechanism for prevention of burning of bearing portions in a hermetic type scroll compressor. 4,889,471, 12-26-89, Cl. 417-32.000.
- Izushi, Minetoshi: *See—*
  - Doi, Motomichi; Izushi, Minetoshi; Kawaike, Kazuhiko; and Urashin, Masayuki, 4,878,820, Cl. 418-203.000.
- Izushi, Tomoya: *See—*
  - Kuwamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, 4,883,606, Cl. 252-32.500.
- Izusu Motors, Ltd: *See—*
  - Kawamura, Hideo, 4,850,193, Cl. 60-608.000.
- Izutani, Kouji; and Shigeta, Isamu, to Nippondenso Co., Ltd. Fuel heating type fuel filter device. 4,844,793, 7-4-89, Cl. 210-97.000.
- Izutsu, Masayuki; Sueta, Tadasi; and Matano, Masaharu, to Omron Tateisi Electronics Co. Slab-type optical device. 4,850,666, 7-25-89, Cl. 350-96.120.
- Izydore, Robert A.; and Hall, Iris H. Method for control of hyperlipidemia. 4,866,058, 9-12-89, Cl. 514-241.000.
- Izzarelli, Kathy L.: *See—*
  - Blair, David J.; Izzarelli, Kathy L.; Albetski, Eric J.; and Parent, Cyr J., 4,869,589, Cl. 351-243.000.
- Izzo, Henry J.; Pincus, Stephen M.; Theiler, Jane B.; and Cirigliano, Michael C., to Thomas J. Lipton Inc. Edible spread and process for the preparation thereof. 4,882,187, 11-21-89, Cl. 426-335.000.
- Izzo, Kenneth R.: *See—*
  - Charnley, James E.; Cearley, James E.; Dixon, Robert C.; Izzo. Kenneth R.; and Aiello, Louis L., 4,853,176, Cl. 376-333.000.
- Izzo, Peter G., to Eastman Kodak Company. Sliding plate assembly. 4,803,511, 2-7-89, Cl. 355-3.00R.
- Izzo, Peter G.: *See—*
  - Kenin, Michael; Reid, Kenneth R.; and Izzo, Peter G., 4,804,993, Cl. 355-3.0BE.
- J.A.C. Corporation: *See—*
  - Kelly, George H., 4,885,099, Cl. 210-771.000.
- J.A.D. Enterprises, Inc.: *See—*
  - DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., 4,805,382, Cl. 53-520.000.
  - DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., 4,805,384, Cl. 53-569.000.
  - DePasquale, John A.; Segalowitz, Ivar R.; and Andolfi, Ceasar P., 4,817,368, Cl. 53-460.000.
- J B Group, Inc.: *See—*
  - Krueger, Ronald G., 4,877,470, Cl. 156-177.000.
- J. B. Martin Company: *See—*
  - Combier, Charles M., 4,854,352, Cl. 139-408.000.
- J. B. Two Corporation: *See—*
  - Hobson, Richard S.; and Potter, David, 4,877,286, Cl. 297-195.000.
- J. C. Bamford Excavators Limited: *See—*
  - Brocklebank, Norman; and Cooper, Alan, 4,859,138, Cl. 414-694.000.
  - Foster, Derek W., 4,810,162, Cl. 414-723.000.
- J. C. Baxter Co.: *See—*
  - Jackson, Keith, 4,854,991, Cl. 156-195.000.
- J. C. Brock Corp.: *See—*
  - Stetler, William D., Jr.; and Davis, Theodore, 4,834,554, Cl. 383-100.000.
- J. C. Moore Research, Inc.: *See—*
  - Moore, Jesse C., 4,884,534, Cl. 123-52.0MV.
- J. C. Pardo and Sons, Inc.: *See—*
  - Gabriele, Valentino, 4,799,690, Cl. 277-9.000.
  - Pardo, Warren A.; Pardo, Richard J.; and Gabriele, Valentino, 4,818,116, Cl. 366-311.000.
- J. C. Parry & Sons, Inc.: *See—*
  - Parry, Daniel J.; and Parry, John C., 4,872,623, Cl. 242-96.000.
- J.C. Renfroe & Sons, Inc.: *See—*
  - Davies, William, 4,850,630, Cl. 294-103.100.
- J. Cinnamon Limited: *See—*
  - Cross, Michael G., 4,838,612, Cl. 297-338.000.
- J D L Components Corporation: *See—*
  - McGann, Leo E., 4,865,335, Cl. 277-166.000.
- J. D. Moller Optische Werke GmbH: *See—*
  - Duis, Wilhelm, 4,798,966, Cl. 250-578.000.
- J.D. Monitoring, Incorporated: *See—*
  - Osterweil, Josef, 4,858,622, Cl. 128-782.000.
- J & D Wilkie Limited: *See—*
  - Jeffrey, Robert F., 4,879,171, Cl. 428-259.000.
- J. E. Hanger & Company Limited: *See—*
  - Cooper, John E., 4,883,494, Cl. 603-39.000.
- J. E. Morgan Knitting Mills, Inc.: *See—*
  - Kemp, Philip, 4,797,311, Cl. 428-92.000.
- J. E. Myles, Inc.: *See—*
  - Myles, J. Scott, 4,807,338, Cl. 29-38.00C.
- J. Eberspaecher: *See—*
  - Reiser, Peter; and Mohring, Fritz, 4,828,488, Cl. 431-263.000.
- J. Edwards Enterprises: *See—*
  - Jones, Dale G., 4,881,956, Cl. 55-84.000.
- J. G. Anschutz GmbH: *See—*
  - Straub, Dieter, 4,844,046, Cl. 124-80.000.
- J. Gibson McIlvain Company: *See—*
  - Bell, David C.; and Smith, Joe, 4,885,967, Cl. 83-520.000.
- J. H. Benecke, AG: *See—*
  - Mente, Kurt; and Knitsch, Gerhard, 4,818,466, Cl. 264-555.000.
  - Mente, Kurt; and Knitsch, Gerhard, 4,847,035, Cl. 264-555.000.
- J. H. Benecke, AG GmbH: *See—*
  - Mente, Kurt, 4,818,465, Cl. 264-522.000.
  - Wagner, Werner; Schaefer, Philipp; and Buscher, Horst, 4,850,838, Cl. 425-101.000.
- J. H. Diamond Company: *See—*
  - Winkler, David S., 4,818,367, Cl. 208-23.000.
- J. Hirschmann Geratebau GmbH & Co. KG: *See—*
  - Kaser, Manfred, 4,842,407, Cl. 356-344.000.
- J. I. Case Company: *See—*
  - Anderson, Ronald L., 4,808,027, Cl. 404-127.000.
  - Andiano, Jose; Houy, Germain; and Compin, Michel, 4,825,567, Cl. 37-117.500.
  - Azzarello, Joseph A.; San Luis, Carlos T.; and Wagenbach, Gerald L., 4,862,971, Cl. 172-450.000.
  - Batcheller, Barry D., 4,846,283, Cl. 172-10.000.
  - Bellah, Glen R.; and Williams, Kevin B., 4,830,156, Cl. 192-363.000.
  - Brekkestran, Kevin L.; and Thomas, John C., 4,855,913, Cl. 364-424.100.
  - Brown, Thomas R.; Natzke, Ronald C.; and Logan. Richard H., 4,794,813, Cl. 74-491.000.
  - Brown, Thomas R.; Logan, Richard H.; Hahn, Robert W.; Rodeghiero, Charles D.; and Brekkestran, Kevin L., 4,852,680, Cl. 180-287.000.
  - Cochran, Gary L.; Seeley, Ronald D.; Shelton, Donald G.; and Stromberg, Gary D., 4,812,103, Cl. 414-723.000.
  - Emming, Joseph L., 4,827,636, Cl. 37-86.000.
  - Frase, Roland J., 4,819,737, Cl. 172-156.000.
  - Frisbee, Claude M., 4,854,392, Cl. 172-813.000.
  - Hagarty, Jon R., 4,889,203, Cl. 180-69.240.
  - Hart, Ronald E.; and Peterson, Robert T., 4,848,498, Cl. 180-69.200.
  - Hillard, Randy H.; Draney, Robert G.; and Lesher, Joseph J., 4,861,195, Cl. 405-180.000.
  - Horsch, Joachim, 4,834,228, Cl. 192-70.280.
  - Horsch, Joachim, 4,844,127, Cl. 137-637.100.
  - Horsch, Joachim, 4,858,495, Cl. 74-745.000.
  - Horsch, Joachim, 4,877,116, Cl. 192-3.570.
  - Horsch, Rudolf; and Frisbee, Claude M., 4,828,044, Cl. 172-821.000.
  - Horsch, Rudolf; Frisbee, Claude M.; and Werner, Ronald H., 4,828,045, Cl. 172-821.000.
  - Johnson, Richard S.; and Stromberg, Gary D., 4,850,790, Cl. 414-723.000.
  - King, James A., 4,858,565, Cl. 123-41.310.
  - Lindstrom, Edgar K.; and Morris, Marvin L., 4,871,027, Cl. 172-40.000.
  - Magee, Kevin J., 4,862,758, Cl. 74-103.000.
  - McCarty, Franklin R., 4,862,641, Cl. 49-394.000.
  - Nelson, Marvin L., 4,842,449, Cl. 406-153.000.
  - Nystuen, Paul A.; Batcheller, Barry D.; Brekkestran, Kevin L.; and Kraning, Calvin J., 4,802,545, Cl. 180-135.000.
  - Oldfather, Raymond L.; and Oliver, Robert J., 4,822,094, Cl. 296-65.100.

  - Ricketts, Jon E.; Lucas, James R.; and Matousek, Robert A., 4,869,272, Cl. 460-100.000.
  - Schroeder, Philip W.; Morris, Marvin L.; and Youngers, Stephen A., 4,794,708, Cl. 37-86.000.
  - Smith, Wayne G.; Martinez, David V.; Mozingo, Robert E., and Hanson, Charles B., 4,854,812, Cl. 414-723.000.
  - Smith, Wayne G.; Martinez, David V.; Mozingo, Robert E.; and Hanson, Charles B., 4,854,814, Cl. 414-723.000.
  - Venable, Phillip G., 4,832,384, Cl. 292-87.000.
  - Warner, Steven D.; Swick, William C.; and Anderson, David M., 4,821,993, Cl. 248-674.000.
  - Werner, Ronald H., 4,858,866, Cl. 248-213.300.
- J & J Hardware, Inc.: *See—*
  - Rogers, Gerald H., 4,871,203, Cl. 292-238.000.
- J. L. French Corporation: *See—*
  - Shimmell, Dennis S., 4,867,461, Cl. 277-166.000.
- J & L Instruments Corporation: *See—*
  - Park, Noh-Aeok; and Irvine, Thomas F., Jr., 4,852,388, Cl. 73-32.00R.
- J & L Sorg Enterprises, Inc.: *See—*
  - Sorg, James F.; and Sorg, Leo L., 4,811,625, Cl. 74-572.000.
- J&L Tank, Inc.: *See—*
  - Nilsson, Allan, 4,823,989, Cl. 222-189.000.
- J&M Co., Ltd.: *See—*
  - Maeda, Sadao, 4,848,989, Cl. 55-310.000.
- J. M. Huber Corporation: *See—*
  - Becker, Joachim H., 4,884,773, Cl. 248-639.000.
  - Carson, Forrest L.; and Johnson, Kenneth M., 4,886,303, Cl. 285-99.000.
  - Clem, Jack L.; and Scott, Oscar T., IV, 4,846,894, Cl. 134-1.000.
  - Dallavia, Anthony J., Jr.; Vande Ven, Susan; and Smith, Bobby E., 4,876,291, Cl. 521-124.000.
  - Dallavia, Anthony J., Jr.; Vande Ven, Susan; and Smith, Bobby E., 4,886,839, Cl. 521-124.000.
  - Hinds, Robert B.; Hutchinson, Charles B., Jr.; and Dowell, James S., 4,877,386, Cl. 425-110.000.
  - Kosin, John A.; Preston, Barry W.; and Wallace, David N., 4,883,533, Cl. 106-18.140.
  - Kosin, John A.; and Andrews, Claude R., 4,888,160, Cl. 423-430.000.
  - Kostinko, John A., 4,888,378, Cl. 524-450.000.
  - Sackow, William H., 4,879,912, Cl. 73-861.610.
  - Turska, Carl J., 4,844,664, Cl. 406-46.000.
  - Wason, Satish K., 4,812,299, Cl. 423-328.000.
  - Wason, Satish K., 4,863,796, Cl. 428-331.000.
  - Wason, Satish K., 4,879,058, Cl. 252-174.250.
  - Wason, Satish K., 4,879,323, Cl. 523-351.000.
  - Witham, Michael C.; and Steelman, Alvin E., 4,830,546, Cl. 4[illegible]-41.000.
  - Witham Michael C., 4,842,772, Cl. 252-601.000.
- J. M. Voith GmbH: *See—*
  - Adleff, Kurt, 4,821,846, Cl. 188-72.600.
  - Bahr, Theodor; Thumm, Helmut; and Musselmann, Walter, 4,818,338, Cl. 162-4.000.
  - Beisiegel, Diethelm; and Binder, Erwin, 4,820,947, Cl. 310-89.000.
  - Beisswanger, Rudolf, 4,881,695, Cl. 242-58.400.
  - Egelhof, Dieter, 4,836,895, Cl. 162-259.000.
  - Elsner, Ernst; Lindenthal, Hans; and Jelfs, Stewart D., 4,859,106, Cl. 403-5.000.
  - Fissmann, Hans-Joachim; and Weiss, Hans, 4,809,922, Cl. 242-68.300.
  - Hafner, Paul; and Schiel, Christian, 4,838,156, Cl. 100-47.000.
  - Hauser, Ludwig; and Haessner, Winfried, 4,881,327, Cl. 34-114.000.
  - Henrich, Hans-Otto, 4,840,317, Cl. 241-282.000.
  - Kade, Werner; Bahr, Theodor; Zurn, Georg; and Rohde, Gunter, 4,800,687, Cl. 51-289.00R.
  - Kade, Werner; Buck, Rudi; Freiler, Bruno; and Wolf, Karl, 4,865,692, Cl. 162-352.000.
  - Kade, Werner, 4,867,847, Cl. 162-289.000.
  - Kade, Werner; and Rahmig, Hermann, 4,877,486, Cl. 162-336.000.
  - Kinzler, Gernot; and Layher, Gerhard, 4,812,209, Cl. 162-343.000.
  - Konig, Helmut, 4,849,096, Cl. 209-211.000.
  - Lindenthal, Hans, 4,822,204, Cl. 403-337.000.
  - Loser, Hans; Chau-Huu, Tri; and Meinecke, Albrecht, 4,882,855, Cl. 34-116.000.
  - Meinecke, Albrecht; and Musselmann, Walter, 4,880,532, Cl. 209-268.000.
  - Meyer, Richard; Heinzmann, Helmut; and Muller, Wolfgang, 4,809,445, Cl. 34-117.000.
  - Pfalzer, Lothar; and Ortner, Gerhard, 4,816,117, Cl. 162-4.000.
  - Rohne, Elmar; and Ruetz, Gottfried, 4,819,509, Cl. 74-688.000.
  - Scheuter, Siegbert, 4,867,389, Cl. 242-68.400.
  - Schiel, Christian, 4,796,452, Cl. 72-245.000.
  - Schiel, Christian; and Bauder, Albrecht, 4,796,525, Cl. 100-93.0RP.
  - Schiel, Christian, 4,829,842, Cl. 74-421.00R.
  - Schiel, Christian, 4,875,975, Cl. 162-273.000.
  - Schiel, Christian, 4,880,501, Cl. 162-358.000.
  - Schmitt, Manfred; and Hanke, Wolfgang, 4,884,996, Cl. 464-68.000.
  - Schweiss, Peter; and Dorflinger, Hans-Dieter, 4,818,377, Cl. 209-164.000.
  - Sieberth, Ralf, 4,821,429, Cl. 34-114.000.
  - Sieberth, Ralf; and Sollinger, Hans-Peter, 4,856,454, Cl. 118-126.000.
  - Sollinger, Hans-Peter; Fissmann, Hans-Joachim; Weisz, Hans; Krautzberger, Franz, deceased; and Woehrle, Albert, deceased, 4,834,018, Cl. 118-410.000.
  - Sollinger, Hans-Peter; and Woehrle, Albert, deceased, 4,848,268, Cl. 118-227.000.
  - Sollinger, Hans-Peter; and Kustermann, Martin, 4,869,933, Cl. 427-356.000.
  - Sollinger, Hans-Peter; Meinecke, Albrecht; Weiss, Hans; and Beisswanger, Rudolf, 4,880,671, Cl. 427-356.000.
  - Stodt, Enno, 4,802,375, Cl. 74-358.000.
  - Stodt, Enno, 4,802,564, Cl. 192-70.280.
  - Tra, Josef, 4,812,229, Cl. 209-397.000.
  - Weiss, Hans; Fissmann, Hans-Joachim; and Ruff, Hans-Albrecht, 4,795,106, Cl. 242-72.00R.
  - Wohrle, Albert, deceased, 4,836,133, Cl. 118-410.000.
  - Wohrle, Albert, deceased, 4,852,514, Cl. 118-410.000.
- J. P. Industries, Inc.: *See—*
  - Wilgus, Richard M., 4,845,817, Cl. 29-149.50R.
- J. P. Stevens & Co., Inc.: *See—*
  - Tracy, Charles R.; and Elliott, Robert S., 4,853,275, Cl. 428-178.000.
- J R Group PLC: *See—*
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- J. & R. Gunzenhauser AG: *See—*
  - Burli, Kurt, 4,809,418, Cl. 29-237.000.
- J R Johanson, Inc.: *See—*
  - Johanson, Jerry R., 4,795,266, Cl. 366-341.000.
- J. R. Microwave, Inc.: *See—*
  - Merenda, Joseph T., 4,796,017, Cl. 340-620.000.
  - Merenda, Joseph T., 4,889,179, Cl. 165-14.000.
- J. R. Richards, Inc.: *See—*
  - Richards, Charles; and Kobayashi, Kazuhiro, 4,838,673, Cl. 351-44.000.
- J. R. Short Milling Company: *See—*
  - Short, Allen T.; and Wilkinson, Raleigh J., 4,873,110, Cl. 426-621.000.
  - Wilkinson, Raleigh J.; and Short, Allen T., 4,844,937, Cl. 426-559.000.
- J. R. Simplot Co.: *See—*
  - Bierman, Laurence W.; and Polinsky, Samual M., 4,816,241, Cl. 423-321.00R.
  - Bierman, Laurence W.; and Polinsky, Samuel M., 4,836,854, Cl. 106-85.000.
  - Bierman, Laurence W.; Lopez, Michael L.; and Perkins, James E., III, 4,877,594, Cl. 423-321.00S.
  - Bierman, Laurence W.; Polinsky, Samuel M.; and Humberger, Roger B., 4,883,586, Cl. 209-167.000.
  - Galland, Sherry A., 4,800,098, Cl. 426-637.000.
- J & S Electronics, Inc.: *See—*
  - Gravely, Charles T., 4,798,971, Cl. 307-141.000.
- J. S. Staedtler GmbH & Co.: *See—*
  - Brunner, Engelbert; and Kaiser, Karl, 4,809,023, Cl. 346-139.00R.
- J. S. Wheelwright Company, Inc.: *See—*
  - Wheelwright, Joseph S., 4,844,491, Cl. 280-11.200.
- J. T. Baker Inc.: *See—*
  - Schwartzkopf, George, 4,808,512, Cl. 430-326.000.
- J. T. Case Company: *See—*
  - Schaefer, David V.; and Honeyager, Richard J., 4,862,765, Cl. 74-606.00R.
- J-10, Inc.: *See—*
  - Jones, Mark G., 4,802,709, Cl. 298-10.000.
- J. Tom Morgan Enterprises, Inc.: *See—*
  - Morgan, James T., Jr., 4,870,455, Cl. 355-77.000.
- J V Industries, Inc.: *See—*
  - Eyerly, Jon V., 4,811,530, Cl. 52-6.000.
- J. W. Hicks, Inc.: *See—*
  - Hicks, James W., 4,887,748, Cl. 222-606.000.
- J. Wagner GmbH: *See—*
  - Konhauser, Peter; and Sprenger, Jurgen, 4,844,347, Cl. 239-296.000.
  - Maier, Martin; Sayer, Heinz; and Gebauer, Gerhard, 4,828,464, Cl. 417-388.000.
- Ja-Pac, Inc: *See—*
  - Hambrick, Paul R.; Wagner, Martin; and Whitaker, Kerry W., 4,812,985, Cl. 364-478.000.
- Jaafar, Hamedo A.; Katzor, Karl A.; Rethage, Wilbert B.; Pompa, Gerard A.; Dailey, George F.; and Guenther, Paul, to Westinghouse Electric Corp. Electric generator inspection system and motor controller. 4,889,000, 12-26-89, Cl. 73-865.800.
- Jaakko Poyry Oy: *See—*
  - Ebeling, Jaakko; Pesonen, Jarmo; and Sandaas, Inge, 4,803,940, Cl. 114-72.000.
- Jaatinen, Per A., to Oy Raumatic AB. Sheet stacking means after a cross-cutting saw. 4,815,924, 3-28-89, Cl. 414-794.300.
- Jabalee, Gerald, to Cosmos Chemical, Inc. Flush-free cooling system treatment composition. 4,810,406, 3-7-89, Cl. 252-87.000.
- Jabarin, Saleh A.: *See—*
  - Ajmera, Prakash R.; and Jabarin, Saleh A., 4,839,127, Cl. 264-526.000.
- Jabbour, Jameel H.: *See—*
  - Silvis, Salvatore J.; and Jabbour, Jameel H., 4,802,835, Cl. 425-205.000.
- Jabco Manufacturing, Inc.: *See—*
  - Bryant, James A., 4,797,420, Cl. 514-643.000.
- Jabero, Thair F. Future weight machine. 4,844,187, 7-4-89, Cl. 177-5.000.
- Jabil Circuit Company: *See—*
  - Zboralski, James A.; Hock, Darryl A.; and Kaleita, David L., 4,884,215, Cl. 364-510.000.

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Jabloner, Harold: *See—*
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Jablonski, Charles E.: *See—*
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Jablonski, Daniel G., to United States of America, Navy. Apparatus for and a method of determining compass headings. 4,881,080, 11-14-89, Cl. 342-357.000.

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Jablonski, Regina L.: *See—*
Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.

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Jabr, Salim N.; Hutchings, Thomas J.; and Koumvakalis, Nicholas, to Litton Systems, Inc. Common mirror triaxial ring laser gyroscope having a single internal cathode. 4,837,774, 6-6-89, Cl. 372-94.000.

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Jabrik, Julius; Sticken, Gerhard; and Viehweger, Rolf, to Huels Aktiengesellschaft. Process for manufacturing methallyl chloride. 4,870,220, 9-26-89, Cl. 570-234.000.

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Jabs, Gert; Nehen, Ulrich; and Scholl, Hans J., to Bayer Aktiengesellschaft. Microcapsules with improved polyurea walls. 4,847,152, 7-11-89, Cl. 428-402.210.

Jabs, Gert; and Richartz, Adolf, to Bayer Aktiengesellschaft. Microcapsules having polyurethane walls. 4,874,832, 10-17-89, Cl. 528-60.000.

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Jabusch, John D.; Kovacs, Linda A.; Plzak, Timothy G.; and Richardson, Robert R., to International Business Machines Corporation. Predetermination of result conditions of decimal operations. 4,890,253, 12-26-89, Cl. 364-736.500.

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Jacanin, James M., Jr.; and Cardiff, Christopher H. Convertible snow clearing apparatus. 4,878,704, 11-7-89, Cl. 294-54.500.

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Dwyer, John J.; Jachmann, Emil F.; Harris, Mark N.; and Beloin, Brian F., 4,858,213, Cl. 369-28.000.

Jachowicz, Janusz; and Wong, Michael, to Clairol Incorporated. Process for treating protein fibers to impart antistatic surface modifications. 4,818,245, 4-4-89, Cl. 8-188.000.

Jachowski, Johannes; Pant, Paul; Riepe, Udo; and Stein, Gerald, to Fried. Krupp GmbH. Process of producing a composite roll. 4,844,747, 7-4-89, Cl. 148-2.000.

Jachowski, Johannes: *See—*
Dahlmann, Peter; Jachowski, Johannes; Pant, Paul; and Stein, Gerald, 4,865,661, Cl. 148-325.000.

Jack, Micheal: *See—*
Fruzzetti, Bradley E.; and Jack, Micheal, 4,820,220, Cl. 441-74.000.

Jack, Milton R.; and Woods, Quentin T., to Boeing Company, The. Tool track for use on aircraft. 4,850,763, 7-25-89, Cl. 409-178.000.

Jack Moon Co., Ltd.: *See—*
Chen, Chung F., 4,842,364, Cl. 350-96.230.
Chen, Chung-Fang, 4,806,705, Cl. 174-135.000.

Jack, Richard A.: *See—*
Hinman, Edmund R.; and Jack, Richard A., 4,797,189, Cl. 204-224.00M.

Jackel, Inc.: *See—*
Hoffman, John J., 4,832,227, Cl. 220-327.000.

Jackel International Pty. Ltd.: *See—*
Hunter, Murray, 4,801,027, Cl. 215-11.100.

Jackel, Janet L.: *See—*
Baker, Gregory L.; Jackel, Janet L.; and Schlotter, Nicholas E., 4,834,480, Cl. 350-96.120.

Jackel, Johann, to Lu Lamellen und Kupplungsbau GmbH. Torque transmitting assembly. 4,821,855, 4-18-89, Cl. 192-3.290.

Jackett, Stephen G.; Kastel, Stephen N.; and Jandera, Zdenek, to Commonwealth of Australia, The; and Plessey Australia Pty. Limited. Distributed array hydrophone. 4,862,428, 8-29-89, Cl. 367-155.000.

Jacklich, John R.: *See—*
Townsend, Donald M.; and Jacklich, John R., 4,846,147, Cl. 126-307.00R.

Jackman, Jerry L.: *See—*
Gordon, Mark G.; Rubalcaba, Bernadino, Jr.; and Jackman, Jerry L., 4,869,646, Cl. 417-18.000.

Jackman, Peter R.: *See—*
Allen, Peter D.; and Jackman, Peter R., 4,815,320, Cl. 73-517.00R.

Jacko, Michael: *See—*
Tsang, Peter; Rhee, Seong; Jacko, Michael; and Kubik, James, 4,883,023, Cl. 123-25.00A.

Jackola, Thor A.: *See—*
Spratt, Marc M.; Harvey, Geoffrey W.; and Jackola, Thor A., 4,826,601, Cl. 210-610.000.

Jackovitz, John F.; Moyes, Hilary; and Buzzelli, Edward S., to Westinghouse Electric Corp. Separator systems for silver-iron batteries. 4,804,598, 2-14-89, Cl. 429-254.000.

Jackovitz, John F.; Zuckerbrod, David; and Buzzelli, Edward S., to Westinghouse Electric Corp. Seawater power cell. 4,822,698, 4-18-89, Cl. 429-27.000.

Jackowski, Bruno: *See—*
Hantz, Dominique; Antoine, Dominique; and Jackowski, Bruno, 4,889,042, Cl. 99-340.000.

Jackowski, Stefan P.; and Jenkins, Ronald B., to International Business Machines Corporation. Device for verifying operation of a checking code generator. 4,809,273, 2-28-89, Cl. 371-3.000.

Jacks, Terry C.: *See—*
Edmundson, Robert J.; and Jacks, Terry C., 4,873,078, Cl. 424-64.000.

Jackson, A. R.: *See—*
Martin, James L.; and Jackson, A. R., 4,801,006, Cl. 206-204.000.

Jackson, Adam: *See—*
Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., 4,824,217, Cl. 350-350.500.

Jackson, Albert R.; and Martin, James L. Pop-open disposable debris collector. 4,809,390, 3-7-89, Cl. 15-257.900.

Jackson, Andrew: *See—*
Audeh, Costandi A.; and Jackson, Andrew, 4,822,504, Cl. 252-46.300.

Jackson, Andrew M.: *See—*
McCrindle, John A.; Steiner, Antony F.; and Jackson, Andrew M., 4,845,347, Cl. 235-380.000.

Jackson, Anthony. Apparatus and method for detecting probe penetration of human epidural space and injecting a therapeutic substance thereinto. 4,801,293, 1-31-89, Cl. 604-51.000.

Jackson, Arnold H.: *See—*
Knoll, Frank S.; and Jackson, Arnold H., 4,849,099, Cl. 209-127.100.

Jackson, Barry: *See—*
Tenud, Leander; Miller, Raimund; and Jackson, Barry, 4,801,750, Cl. 564-199.000.

Jackson, Brian K.; and Wilson, Joel D., to Boeing Company, The. Programmable jet engine test station. 4,821,217, 4-11-89, Cl. 364-551.010.

Jackson, Charles L.: *See—*
Blair, Jeffrey L.; Decature, Paul S.; and Jackson, Charles L., 4,866,955, Cl. 68-12.00R.

Jackson, Charles R.; Rellis, Daniel, Jr.; Pielet, Howard M.; Bhattacharya, Debanshu; Frank, Larry A.; Dasgupta, Purnendu; and Knoepke, John R., to Inland Steel Co. Apparatus for preventing undissolved alloying ingredient from entering continuous casting mold. 4,852,632, 8-1-89, Cl. 164-437.000.

Jackson, Charmaine C.: *See—*
Seely, William B., Jr.; and Jackson, Charmaine C., 4,879,122, Cl. 426-102.000.

Jackson, Cheryl: *See—*
Sorenson, Wendy K. J.; Jackson, Judith N.; Jackson, Kevin J.; and Jackson, Cheryl, 4,801,298, Cl. 604-384.000.

Jackson, Christopher A. Locating device used with electrical outlet boxes and the like. 4,802,284, 2-7-89, Cl. 33-528.000.

Jackson, Cletis M.: *See—*
Cross, Jack A.; and Jackson, Cletis M., 4,819,325, Cl. 29-825.000.

Jackson, Connie S.: *See—*
Arthur, David J.; Mosko, John C.; Jackson, Connie S.; and Traut, G. Robert, 4,849,284, Cl. 428-325.000.

Jackson, David, III; and Havel, Dale A. Method and apparatus for counterbalancing rotating bodies. 4,813,064, 3-14-89, Cl. 378-197.000.

Jackson, David M.; and Vogler, William H., to Kimberly-Clark Corporation. Wet wipe and wipe dispensing arrangement. 4,865,221, 9-12-89, Cl. 221-48.000.

Jackson, David M.: *See—*
Brooker, Ronald W.; Cohen, Bernard; and Jackson, David M., 4,797,318, Cl. 428-283.000.
Frost, Johnathan E.; Hsu, Eric T.; Jackson, David M.; Olsen, Thomas G.; and Popp, Robert L., 4,883,549, Cl. 156-161.000.

Jackson, Davis G. Solid waste retriever. 4,872,977, 10-10-89, Cl. 210-173.000.

Jackson, Delbert D.: *See—*
Buzza, Edmund E.; and Jackson, Delbert D., 4,888,998, Cl. 73-864.210.

Jackson, Derek H. A., to Amicon Wright Ltd. Adjustable distribution cell apparatus. 4,797,209, 1-10-89, Cl. 210-656.000.

Jackson, Douglas M.: *See—*
Gingerich, Richard G. W.; Arbie, John A.; and Jackson, Douglas M., 4,826,622, Cl. 252-301.60P.

Jackson, Earl W., Jr.: *See—*
Hrustich, John; and Jackson, Earl W., Jr., 4,827,401, Cl. 364-200.000.

Jackson, Edward; and Pasqualucci, Joseph, to Sherwood Medical Company. Motor unit for a fluid pump and method of operation. 4,884,013, 11-28-89, Cl. 318-481.000.

Jackson, Eric A., to Anderson Strathclyde plc. Apparatus for manipulating a tool. 4,838,362, 6-13-89, Cl. 173-36.000.

Jackson, Eric C.: *See—*
Fletcher, James E.; Jackson, Eric C.; and McAnelly, Michael, 4,813,11[illegible], Cl. 29-596.000.

Jackson, Francis W. Multiple piston expansion chamber engine. 4,860,701, 8-29-89, Cl. 123-51.00A.

Jackson, Frank T., to Hartwell Corporation. Strut assembly. 4,819,300, 4-11-89, Cl. 16-327.000.

Jackson, Frederick E.: *See—*
Jacobson, Walter E.; Summers, Donald J.; Vining, Kenneth; and Jackson, Frederick E., 4,858,475, Cl. 73-862.540.

Jackson, Garrett O.: *See—*
Youd, T. Leslie; and Jackson, Garrett O., 4,840,230, Cl. 166-382.000.

Jackson, Gary L. Random ball selector apparatus. 4,834,385, 5-30-89, Cl. 273-144.00A.

Jackson, Glenn M.; and Roufs, John G., to General Mills, Inc. Dry mix for microwave layer cake. 4,857,353, 8-15-89, Cl. 426-554.000.

Jackson, Gregory D., to Electro-Voice, Incorporated. Engraving process and product thereof. 4,824,715, 4-25-89, Cl. 428-172.000.

Jackson, Harry S.: *See—*
Brehmer, Geoffrey E.; and Jackson, Harry S., 4,849,708, Cl. 330-110.000.

Jackson, Herbert C., Jr.; DeVries, Robert A.; and Frick, Hughie R., to Dow Chemical Company, The. Separation process for anhydrous HCl and HBr by thermal cleavage. 4,830,846, 5-16-89, Cl. 423-488.000.

Jackson, Ian: *See—*
Daniels, Kurt; Williams, John D.; Wise, Percy W.; Jackson, Ian; and Cox, John, 4,813,182, Cl. 49-501.000.

Jackson, Isaac S., to Sheridan Catheter Corp. Closed system combined suction and ventilation devices. 4,850,350, 7-25-89, Cl. 128-207.160.

Jackson, Isaac S.: *See—*
Sheridan, David S.; and Jackson, Isaac S., 4,834,723, Cl. 604-274.000.
Sheridan, David S.; and Jackson, Isaac S., 4,852,564, Cl. 128-202.270.

Jackson, J. Carson: *See—*
Schmidt, Dietrich F.; Johnson, [illegible] R.; and Jackson, J. Carson, 4,831,778, Cl. 49-453.000.

Jackson, J. R.: *See—*
Jackson, John R., 4,841,250, Cl. 324-349.000.

Jackson, James C.: *See—*
Brunfeldt, Robert J.; and Jackson, James C., 4,879,458, Cl. 250-288.000.

Jackson, James D J.: *See—*
Morgan, Derek E.; and Jackson, James D. J., 4,864,105, Cl. 219-542.000.

Jackson, James F.: *See—*
Kaiura, Gary H.; Jackson, James F.; and Laine, Richard O., 4,814,004, Cl. 75-24.000.

Jackson, James R., to Pilkington Brothers plc. Opaque cladding panel. 4,819,405, 4-11-89, Cl. 52-810.000.

Jackson, James S. Crawl space ventilation system. 4,829,882, 5-16-89, Cl. 98-33.100.

Jackson, Jared K.: *See—*
Nagy, Gabor S.; Akeson, Richard C.; Sweenie, Richard E.; Novak, Mark E.; Malsch, Harry K.; Widule, Thomas J.; Ding, Gustav L. P.; and Jackson, Jared K., 4,882,930, Cl. 73-56.000.

Jackson, Jay W.: *See—*
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Jackson, Jeffrey A.: *See—*
Loeber, Frederick W.; Hoffelmeyer, Richard L.; and Jackson, Jeffrey A., 4,863,147, Cl. 267-64.260.

Jackson, Jerome, to Retroperfusion Systems, Inc. Retroperfusion catheter and tip construction for use therewith. 4,850,969, 7-25-89, Cl. 604-96.000.

Jackson, Jerry D.; and Youngblood, Terry D. Filter base for forced air furnace. 4,827,901, 5-9-89, Cl. 126-110.00R.

Jackson, Jerry E., to Infilico Degremont Inc. Protection devices for bar screens. 4,857,182, 8-15-89, Cl. 270-104.000.

Jackson, John, to U.S. Philips Corp. Radiation detector arrangements and methods. 4,853,538, 8-1-89, Cl. 250-336.200.

Jackson, John A.: *See—*
Moore, Bill V.; and Jackson, John A., 4,809,200, Cl. 364-551.000.

Jackson, John C. Centralized fumigation system for exterminating insects in a building. 4,800,672, 1-31-89, Cl. 43-125.000.

Jackson, John C. Fumigation system for exterminating insects in an existing building. 4,823,505, 4-25-89, Cl. 43-124.000.

Jackson, John E.; Meyerhoff, Robert W.; Price, Marianne O.; and Quets, Jean M., to Union Carbide Corporation. Tungsten carbide-cobalt coatings for various articles. 4,826,734, 5-2-89, Cl. 428-472.000.

Jackson, John E.; and Balmer, Norman L., to Union Carbide Corporation. Wear resistant, abrasive laser-engraved ceramic or metallic carbide surfaces for rotary labyrinth seal members. 4,884,820, 12-5-89, Cl. 277-53.000.

Jackson, John F., to Westinghouse Electric Corp. Serrated magnetic random memory cell and means for connecting a pair of adjacent cells. 4,839,858, 6-13-89, Cl. 365-87.000.

Jackson, John R., to Jackson, J. R.; and Arismendi, A. M. (Andy), Jr. Passive geophysical survey apparatus based upon the detection of the DC component of the vertical electrical potential of natural earth currents. 4,841,250, 6-20-89, Cl. 324-349.000.

Jackson, Judith N.: *See—*
Sorenson, Wendy K. J.; Jackson, Judith N.; Jackson, Kevin J.; and Jackson, Cheryl, 4,801,298, Cl. 604-384.000.

Jackson, Keith, to J. C. Baxter Co. Tube forming apparatus and method. 4,854,991, 8-8-89, Cl. 156-195.000.

Jackson, Kenneth J.; Shah, Jagdish; and Graham, Robert E., Jr., to Trailer Train Company. Jack assembly for railroad cars. 4,805,875, 2-21-89, Cl. 254-2.00R.

Jackson, Kevin B.: *See—*
Boland, Bernard W.; Gandy, William E., Jr.; and Jackson, Kevin B., 4,870,467, Cl. 357-13.000.
Boland, Bernard W.; Gandy, William E., Jr.; and Jackson, Kevin B, 4,886,762, Cl. 437-15.000.

Jackson, Kevin J.: *See—*
Sorenson, Wendy K. J.; Jackson, Judith N.; Jackson, Kevin J.; and Jackson, Cheryl, 4,801,298, Cl. 604-384.000.

Jackson, Kevin M.: *See—*
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Jackson Laboratory, The: *See—*
Baer, John S.; and Weatherby, John H., 4,846,109, Cl. 119-19.000.

Jackson, Larry A.: *See—*
Huseby, William R.; Moon, Kevin L.; Rasmussen, Steve O.; and Jackson, Larry A., 4,794,859, Cl. 101-485.000.
Rasmussen, Steve O.; Jackson, Larry A.; and Pinkernell, David W., 4,843,338, Cl. 346-140.00R.
Rasmussen, Steve O.; Jackson, Larry A.; Rhodes, John D.; Pinkernell, David W.; Harmon, J. Paul; Moon, Kevin L.; and Huseby, William R., 4,872,026, Cl. 346-140.00R.

Jackson, Lauren, to Chicopee. Fused laminated fabric and panty liner including same. 4,872,870, 10-10-89, Cl. 604-366.000.

Jackson, Le Roy E. Bacteriophage prevention and control of harmful plant bacteria. 4,828,999, 5-9-89, Cl. 435-235.000.

Jackson, Lucinda A.; and Malhotra, Sudarshan K., to Dow Chemical Company, The. Grain selective herbicides. 4,888,041, 12-19-89, Cl. 71-88.000.

Jackson, Melvin R. Low density high strength alloys of Nb-Ti-Al for use at high temperatures. 4,877,576, 10-31-89, Cl. 420-426.000.

Jackson, Michael C., to General Electric Company, p.l.c., The. Digital mixing apparatus which attenuates the sum frequency of the mixed signals. 4,797,844, 1-10-89, Cl. 364-724.010.

Jackson, Miles, to General Foods Inc. Apparatus for dispensing particulate material. 4,854,722, 8-8-89, Cl. 366-341.000.

Jackson, Norman C., to Standard Products Company, The. Method of making a smooth flexible flange cover. 4,859,391, 8-22-89, Cl. 264-162.000.

Jackson, O. L. Radioactive waste disposal system and method. 4,834,914, 5-30-89, Cl. 252-633.000.

Jackson, O. L. Extension for compacting device. 4,876,955, 10-31-89, Cl. 100-219.000.

Jackson, Owen E., to Jog Corporation. Fluid removal cannister device. 4,861,384, 8-29-89, Cl. 134-9.000.

Jackson, Patrick H. Continuously variable belt-drive transmission. 4,874,351, 10-17-89, Cl. 474-49.000.

Jackson, Paul C., to Redemption Church of Christ. Dynamic wrestling figures. 4,824,417, 4-25-89, Cl. 446-335.000.

Jackson, Peter J. Pressure regulator. 4,821,767, 4-18-89, Cl. 137-491.000.

Jackson, Peter J. Pilot operated valves. 4,850,345, 7-25-89, Cl. 128-202.270.
Jackson, Peter O.: *See—*
  Gordon, Norman R.; King, Lloyd L.; Jackson, Peter O.; and Zulich, Alan W., 4,848,167, Cl. 73-864.710.
Jackson, Philip, to E. Beaudrey & Cie. Self-cleaning filter. 4,806,242, 2-21-89, Cl. 210-303.000.
Jackson, Philip, to E. Beuadrey & Cie. Self-cleaning filter and steam condenser inlet water box comprising same. 4,806,243, 2-21-89, Cl 210-303.000.
Jackson, Philip, to E. Beaudrey & Cie. Self-cleaning filter for insertion into a pressurized pipe. 4,814,076, 3-21-89, Cl. 210-158.000.
Jackson, Philip, to E. Beaudrey & Cie. Filter panel with parallel passages and mechanical filter screen comprising same. 4,889,629, 12-26-89, Cl. 210-401.000.
Jackson Products Company: *See—*
  Gombar, Eugene, 4,869,428, Cl. 239-261.000.
Jackson Products, Inc.: *See—*
  Boochard, E. L., 4,853,973, Cl. 2-8.000.
Jackson, Raymond P., to United States of America, Army. Composite long rod penetrator. 4,841,868, 6-27-89, Cl. 102-517.000.
Jackson, Richard A.; Lake, David E., Jr.; Blecksmith, James E.; Barnett, Ronnie D.; and Abt, John, to Grass Valley Group, Inc., The. Diagnostic system for a digital signal processor. 4,821,269, 4-11-89, Cl. 371-16.000.
Jackson, Richard A.; and Abt, John, to Grass Valley Group, Inc., The. Video mixer with multicolor boarder. 4,823,183, 4-18-89, Cl. 358-22.000.
Jackson, Richard A.; and Windrem, Kevin D., to Grass Valley Group, Inc., The. Apparatus for combining video signals. 4,851,912, 7-25-89, Cl. 358-183.000.
Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; and Olmstead, Neil R. Video switcher system with modular architecture. 4,858,011, 8-15-89, Cl. 358-181.000.
Jackson, Richard A.; Abt, John; and Barnett, Ronnie D., to Grass Valley Group, Inc., The. Digital video effects apparatus. 4,873,568, 10-10-89, Cl. 358-22.000.
Jackson, Richard A., to Grass Valley Group, Inc., The. Perspective processing of a video signal. 4,875,097, 10-17-89, Cl. 358-180.000.
Jackson, Richard A.: *See—*
  Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., 4,853,784, Cl. 358-181.000.
Jackson, Richard L., to Merrell Dow Pharmaceuticals Inc. Synthetic pulmonary surfactant. 4,861,756, 8-29-89, Cl. 514-11.000.
Jackson, Richard R. Delivering breathable gas. 4,829,998, 5-16-89, Cl. 128-203.120.
Jackson, Richard S.: *See—*
  Sunnen, Robert M.; Vanderwal, Frank E.; and Jackson, Richard S., 4,886,157, Cl. 198-839.000.
Jackson, Richard W.; and Oddo, Eugene P., to AM International, Inc. Apparatus for stacking copy sheets. 4,819,930, 4-11-89, Cl. 271-209.000.
Jackson, Richard W.; Oddo, Eugene P.; and Songer, Larry A., to AM International, Inc. Apparatus for stacking copy sheets in inverted orientation. 4,828,248, 5-9-89, Cl. 271-310.000.
Jackson, Richard W.; and Michaelis, A. J., to AM International, Inc. Large copy sheet feeding system. 4,847,635, 7-11-89, Cl. 346-136.000.
Jackson, Robert J.: *See—*
  Juds, Scott M.; and Jackson, Robert J., 4,851,660, Cl. 250-214.00H.
Jackson, Robert L.: *See—*
  Baum, Thomas H.; Comita, Paul B.; and Jackson, Robert L., 4,880,959, Cl. 219-121.850.
Jackson, Robert W.: *See—*
  Taig, Alistair G.; Jackson, Robert W.; and DeHays, Richard N., 4,804,073, Cl. 188-72.100.
Jackson, Rodney P.; and Vancelette, Stanley R., to Emhart Industries, Inc. Electronic component insertion machine. 4,815,202, 3-28-89, Cl. 29-741.000.
Jackson, Rodney P., to Emhart Industries, Inc. Electronic component insertion machine. 4,815,203, 3-28-89, Cl. 29-741.000.
Jackson, Rodney P.; and Kaminsky, Naum M., to Emhart Industries, Inc. Electronic component insertion machine. 4,815,204, 3-28-89, Cl. 29-741.000.
Jackson, Rodney P.: *See—*
  Sooy, Robert J.; and Jackson, Rodney P., 4,829,661, Cl. 29-741.000.
Jackson, Ronald E., to Valera Electronics Inc. HVAC zone control system. 4,886,110, 12-12-89, Cl. 165-22.000.
Jackson, Ronald J.: *See—*
  Cohrs, Gary D.; Jackson, Ronald J.; and Francisco, Edward E., Jr., 4,794,785, Cl. 73-3.000.
Jackson, Roy J., to Shell Oil Company. Epoxy fusion catalyst and process. 4,829,141, 5-9-89, Cl. 528-89.000.
Jackson, Roy T.: *See—*
  Matson, Lawrence W.; Southland, Stephen G.; and Jackson, Roy T., 4,794,995, Cl. 175-393.000.
Jackson, Samuel D., to Imperial Chemical Industries, PLC. Effluent treatment. 4,879,047, 11-7-89, Cl. 210-756.000.
Jackson, Samuel G. Hot air induction box. 4,817,295, 4-4-89, Cl. 34-57.00R.
Jackson, Samuel G. Fountain conditioner for fibrous material. 4,845,860, 7-11-89, Cl. 34-227.000.
Jackson, Sharon L.: *See—*
  Spearmon, JoAnn M.; and Jackson, Sharon L., 4,861,593, Cl. 424-195.100.
Jackson, Terry R. Electrical power supply having a variable output. 4,814,631, 3-21-89, Cl. 307-53.000.
Jackson, Theodore A., to Cadillac Gage Textron Inc. Weapon mount useful for combat vehicle. 4,819,540, 4-11-89, Cl. 89-37.050.
Jackson, Thomas, to Plessey Overseas Limited. Frequency synthesizer of the fractional type. 4,800,342, 1-24-89, Cl. 331-10.000.
Jackson, Thomas L. A.; and Hamit, James L. Flooring system and method for constructing same. 4,860,508, 8-29-89, Cl. 52-169.100.
Jackson, Thomas N.; Murakami, Masanori; Price, William H.; Tiwari, Sandip; Woodall, Jerry M.; and Wright, Steven L., to International Business Machines Corporation. Thermally stable low resistance contact. 4,849,802, 7-18-89, Cl. 357-71.000.
Jackson, Thomas N.; Kleinsasser, Alan W.; and Woodall, Jerry M., to International Business Machines Corporation. Semiconductor heterostructure adapted for low temperature operation. 4,860,067, 8-22-89, Cl. 357-16.000.
Jackson, Thomas N., to International Business Machines Corporation. Self-aligned heterojunction transistor. 4,872,040, 10-3-89, Cl. 557-16.000.
Jackson, William A., to Jogler, Inc. Thermoplastic sight monitor. 4,807,473, 2-28-89, Cl. 73-323.000.
Jackson, Winston J., Jr.: *See—*
  Darnell, W. Ronald; and Jackson, Winston J., Jr., 4,839,459, Cl. 528-220.000.
  Darnell, W. Ronald; and Jackson, Winston J., Jr., 4,861,856, Cl. 528-125.000.
  Darnell, William R.; and Jackson, Winston J., Jr., 4,820,794, Cl. 528-271.000.
  Fagerburg, David R.; Jackson, Winston J., Jr.; and Martin, Mary B., 4,849,499, Cl. 528-298.000.
  Morris, John C.; and Jackson, Winston J., Jr., 4,824,931, Cl. 528-298.000.
Jacob, Adir, to Jacob, Adir. Process and apparatus for dry sterilization of medical devices and materials. 4,801,427, 1-31-89, Cl. 422-23.000.
Jacob, Adir. Process and apparatus for dry sterilization of medical devices and materials. 4,818,488, 4-4-89, Cl. 422-23.000.
Jacob, Frederick W.: *See—*
  Cook, John E.; Hagerty, Robert O.; and Jacob, Frederick W., 4,834,947, Cl. 422-117.000.
Jacob, Friedrich: *See—*
  Gundlach, Hans-Werner; and Jacob, Friedrich, 4,796,688, Cl. 164-457.000.
Jacob, Gernot, to Progress-Elektrogeraete & Pfeiffer GmbH & Co. Arrangement for switching on and off of a vacuum cleaner. 4,847,942, 7-18-89, Cl. 15-339.000.
Jacob-Grinschgl, Wolfgang; and Muller, Udo, to Kontron Holding A.G. Method of making a cursor for an inductive sensor. 4,833,774, 5-30-89, Cl. 29-605.000.
Jacob-Grinschgl, Wolfgang; and Muller, Udo, to Kontron Holding A.G. Measuring table for co-ordinate measuring system. 4,855,538, 8-8-89, Cl. 178-18.000.
Jacob, Herve: *See—*
  Mametsa, Henri-Jose ; and Jacob, Herve, 4,857,850, Cl. 324-318.000.
Jacob, Kapakkamannil C.: *See—*
  Cherukuri, Subraman R.; Mansukhani, Gul; and Jacob, Kapakkamannil C., 4,839,184, Cl. 426-307.000.
Jacob, Keith D. Digital oem ceiling fan. 4,818,920, 4-4-89, Cl. 318-16.000.
Jacob-LaBarre, Jean: *See—*
  Caldwell, Delmar R.; and Jacob-LaBarre, Jean, 4,865,601, Cl. 623-5.000.
Jacob, Valentim, Jr.: *See—*
  Schmidt, Timothy J.; and Jacob, Valentim, Jr., 4,856,728, Cl. 242-107.700.
Jacob, Werner; and Hoch, Paul-Gerhard, to SKF GmbH. Plural ring bearing having at least two radially superimposed bearings. 4,834,560, 5-30-89, Cl. 384-461.000.
Jacob, Werner. Double row roller bearing. 4,865,472, 9-12-89, Cl. 384-503.000.
Jacob, Werner: *See—*
  Schroder, Horst; Kispert, Klaus; Stolz, Robert; and Jacob, Werner, 4,856,917, Cl. 384-550.000.
Jacober, Jeffrey M.; Macedo, Antone F., Jr.; and Bruno, Robert H. Recreational slide system and components thereof. 4,805,898, 2-21-89, Cl. 272-56.50R.
Jacobi, Hatto: *See—*
  Gronsfeld, Josef; Jacobi, Hatto; and Baethmann, Hans-Juergen, 4,875,371, Cl. 73-598.000.
Jacobi, Hubert; and Volkmar, Ralf R., to Siemens Aktiengesellschaft. Light waveguide switch. 4,807,949, 2-28-89, Cl. 350-96.200.
Jacobi, John W., to Hewlett-Packard Company. Process for bonding integrated circuit components. 4,842,662, 6-27-89, Cl. 156-633.000.
Jacobine, Anthony F.: *See—*
  Steinkraus, Walter J.; Woods, John; Rooney, John M.; Jacobine, Anthony F.; and Glaser, David M., 4,808,638, Cl. 522-24.000.
Jacobitz, Petra: *See—*
  Cohnen, Erich; and Jacobitz, Petra, 4,810,712, Cl. 514-312.000.
Jacobs, Albert L. Separation and filtration membranes and their regeneration. 4,865,752, 9-12-89, Cl. 210-791.000.
Jacobs, Alvin J., to General Electric Company. Light water reactor cores with increased resistance to stress corrosion cracking. 4,836,976, 6-6-89, Cl. 376-305.000.

Jacobs, Alvin J.; and Gordon, Gerald M., to General Electric Company. Treatment for inhibiting irradiation induced stress corrosion cracking in austenitic stainless steel. 4,878,962. 11-7-89, Cl. 148-136.000.
Jacobs, Alvin J.: *See—*
  Coates, David J.; Gordon, Gerald M.; Jacobs, Alvin J.; and Sandusky, David W., 4,863,682, Cl. 376-457.000.
Jacobs, Brian; McGaffigan, Thomas; and Cydzik, Edward, to Raychem Corporation. Mounting assembly comprising an electronic module and a rack receiving the module. 4,821,147, 4-11-89, Cl. 361-388.000.
Jacobs, Charles P.: *See—*
  Son, Pyong-Nae; Jacobs, Charles P.; Kovach, Ronald M.; and Lai, John T., 4,841,053, Cl. 544-384.000.
Jacobs, Cindy A., to Immunex Corporation. Anti-arthritic use of interleukin-1 proteins. 4,816,436, 3-28-89, Cl. 514-2.000.
Jacobs, Deborah A. Animal holding and position restoring device employing vacuum holder and mouthpiece. 4,841,965, 6-27-89, Cl. 128-303.00B.
Jacobs, Gerardus M. H. M.; and Im 't Zandt, Ronald P. H., to Oce-Nederland B.V. Copying machine having a sheet stapling device. 4,795,071, 1-3-89, Cl. 227-7.000.
Jacobs, Gerardus M. H. M.; and Dinnissen, Johannes H. A., to OCE-Nederland B.V. Device for feeding and discharging originals in sheet form. 4,877,231, 10-31-89, Cl. 271-3.100.
Jacobs, Glenn A.: *See—*
  Zahler, Robert; and Jacobs, Glenn A., 4,855,466, Cl. 549-546.000.
Jacobs, Harry E.: *See—*
  Brown, Stanley M.; Byrne, John W.; and Jacobs, Harry E., 4,839,026, Cl. 208-120.000.
Jacobs, James L.; and Rogers, Larry D. Guided roofing materials removal apparatus. 4,880,491, 11-14-89, Cl. 156-584.000.
Jacobs, Jan A. M. H.: *See—*
  Schraven, Petrus E. G.; and Jacobs, Jan A. M. H., 4,840,831, Cl. 428-152.000.
Jacobs, Jochen: *See—*
  Jeschke, Peter; Altenschoepfer, Theodor; and Jacobs, Jochen, 4,828,745, Cl. 252-99.000.
  Kruse, Hans; Jacobs, Jochen Altenschoepfer, Theodor; and Jeschke, Peter, 4,828,749, Cl. 252-135.000.
  Kruse, Hans; Jacobs, Jochen; Altenschoepfer, Theodor; and Jeschke, Peter, 4,839,078, Cl. 252-99.000.
  Pioch, Lothar; Jung, Dieter; Jacobs, Jochen; and Wilms, Elmar, 4,834,902, Cl. 252-135.000.
Jacobs, Johannes W. M.; and Schuerman, Cornelis P., to OCE-Nederland B.V. Method for generating line segments. 4,849,910, 7-18-89, Cl. 364-519.000.
Jacobs, Johannes W. M.; and Rikken, Johannes M. G., to U.S. Philips Corporation Method of locally providing metal on a surface of a substrate. 4,853,320, 8-1-89, Cl. 430-413.000.
Jacobs, John H., to Imo DeLaval Inc. Electrode structures and electrooptic light gate systems. 4,804,251, 2-14-89, Cl. 350-392.000.
Jacobs, Joseph M.; and Hubbard, Robert F., to Hughes Aircraft Company. Heater bar assembly. 4,851,648, 7-25-89, Cl. 219-85.160.
Jacobs, Kenneth; and Jerila, Torsti T. T., to Acme General Corporation. Sliding door top guide or hanger. 4,819,297, 4-11-89, Cl. 16-87.00R.
Jacobs, Kenneth A.: *See—*
  Collins, Mary; Dougherty, Joseph P.; Ellwood, Marian S.; Fritsch, Edward F.; and Jacobs, Kenneth A., 4,816,680, Cl. 435-6.000.
  Taeusch, H. William; Jacobs, Kenneth A.; Steinbrink, D Randall; Floros, Joanna; Phelps, David S.; and Fritsch, Edward F., 4,882,422, Cl. 530-350.000.
Jacobs, Leon D., to North American Philips Corporation. Water-proof outdoor tap with improved waterproof connector. 4,887,979, 12-19-89, Cl. 439-578.000.
Jacobs, Loyd D.; SenGupta, Gautam; and Spain, Byron R., to Boeing Company, The. Method and apparatus for wideband vibration damping of reinforced skin structures. 4,828,202, 5-9-89, Cl. 244-117.00R.
Jacobs, Lynn C.: *See—*
  Murphy, John F.; Barton, William M., Jr.; Jacobs, Lynn C.; McGee, Jeffrey S.; Netzeband, William F.; Johnson, Roger S.; and Dinas, Thomas J., 4,809,099, Cl. 360-95.000.
Jacobs Manufacturing Company, The: *See—*
  McCarthy, Donald J., 4,840,387, Cl. 279-1.00K.
  Meistrick, Zdenek S.; and Quenneville, Raymond N., 4,838,516, Cl. 251-77.000.
Jacobs, Mark C.: *See—*
  Pomplun, William S.; Christianson, Rodney C.; Jacobs, Mark C.; and Matray, Attila, 4,816,094, Cl. 156-85.000.
Jacobs, Martin J.; Edwards, Carl K., III; and Myers-Keith, Paula, to International Minerals & Chemical Corp. Immunostimulating agents. 4,842,862, 6-27-89, Cl. 424-422.000.
Jacobs, Martin J., to Pitman-Moore, Inc. Zearalanol derivatives with anabolic activity. 4,849,447, 7-18-89, Cl. 514-450.000.
Jacobs, Martin J.; and Katzenellenbogen, John, to International Minerals & Chemical Corp. Estriol growth promotant. 4,851,402, 7-25-89, Cl. 514-182.000.
Jacobs, Martin J., to Pitman-Moore, Inc Housefly chemosterilants. 4,886,899, 12-12-89, Cl. 560-064.000.
Jacobs, Michael E.: *See—*
  Williams, Ralph E.; Hill, Lawrence A.; Jacobs, Michael E.; and Knoll, Arthur S., 4,797,704, Cl. 355-3.0DD.
Jacobs, Michael F.: *See—*
  Hill, Lawrence A.; Jacobs, Michael F.; Kroll, Arthur S.; and Williams, Ralph E., 4,884,109, Cl. 355-260.000.
Jacobs, Michael L.: *See—*
  Spahn, James G.; Langley, Steven P.; and Jacobs, Michael L., 4,887,715, Cl. 206-370.000.
Jacobs, Michael W.: *See—*
  Faulkerson, James L.; Picard, Raymond L.; Menard, Edward J.; Bennett, Sanford M.; McCarthy, Timothy J.; Foden, Edwin S.; Gipe, Michael A.; Moluf, Allan A.; Jacobs, Michael W.; and Boatner Bruce E., 4,882,629, Cl. 358-464.000.
Jacobs, Patrick C.: *See—*
  Ferro, John T., Jr.; Jacobs, Patrick C.; Laye, Robert M.; and Starr, Brian D., 4,855,907, Cl. 364-300.000.
Jacobs, Paul: *See—*
  Bollen, Alex J.; and Jacobs, Paul, 4,828,988, Cl. 435-68.000.
  Morais Cravador, Alfredo J.; Jacobs, Paul; Bollen, Alex J.; Van Elsen, Ary; and Herzog, Albert A. M., 4,857,470, Cl. 435-320.000.
Jacobs, Paul G.; Avecilla, Bonifacio N.; and Lapworth, Norman, to Edic. Rug and carpet cleaner. 4,809,397, 3-7-89, Cl. 15-320.000.
Jacobs, Paul H.; and Collette, Douglas P., to General Signal Corporation. Method of receiving a compressed composite signal. 4,876,741, 10-24-89, Cl. 455-47.000.
Jacobs, Paul T., to Surgikos, Inc. Buffered glutaraldehyde sterilizing and disinfecting compositions. 4,804,685, 2-14-89, Cl. 514-698.000.
Jacobs-Perkins, Douglas W.: *See—*
  Fournier, Donald J.; Jacobs-Perkins, Douglas W.; and Tarello, William R., 4,834,149, Cl. 141-1.000.
Jacobs, Philip J.: *See—*
  Gondar, Robert K.; and Jacobs, Philip J., 4,886,009, Cl. 116-208.000.
Jacobs, Philip R.: *See—*
  Mullin, John B.; Hamilton, John C.; Orrell, Elisabeth D.; Jacobs, Philip R.; and Shenai-Khatkhate, Deodattta V., 4,812,586, Cl. 556-129.000.
Jacobs, Richard. Composition dispensing system. 4,869,400, 9-26-89, Cl. 222-137.000.
Jacobs, Robert, to Olmac B.V. Shield for protection of a sleeping person against harmful radiation. 4,801,807, 1-31-89, Cl. 250-515.100.
Jacobs, Robert D.; and Davis, Edward J., to Burlington Industries, Inc. Garment wash finish for denim. 4,863,775, 9-5-89, Cl. 428-91.000.
Jacobs, Robert S.; and Fenical, William H., to University of California, The Regents of the. Pseudopterosin and synthetic derivatives thereof. 4,849,410, 7-18-89, Cl. 514-33.000.
Jacobs, Russell. Double wishbone system. 4,826,189, 5-2-89, Cl. 280-111.000.
Jacobs, Russell G. Stereo cabinet lock. 4,819,463, 4-11-89, Cl. 70-14.000.
Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; and Schnurmann, Henri D., to International Business Machines Corporation. High performance integrated circuit packaging structure. 4,811,082, 3-7-89, Cl. 357-80.000.
Jacobs, Scott L.; McMahon, Maurice T., Jr.; Nihal, Perwaiz; Ozmat, Burhan; Schnurmann, Henri D.; and Zingher, Arthur R., to International Business Machines Corporation. Method of partitioning, testing and diagnosing a VLSI multichip package and associated structure. 4,817,093, 3-28-89, Cl. 371-25.000.
Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; Schnurmann, Henri D.; and Zingher, Arthur R., to International Business Machines Corporation. Module for packaging semiconductor integrated circuit chips on a base substrate. 4,866,507, 9-12-89, Cl. 357-74.000.
Jacobs, Scott L.: *See—*
  Brunsvold, William R.; Conley, Willard E.; Jacobs, Scott L.; Mack, George L.; Merritt, David P.; and Uptmor, Ann M., 4,828,964, Cl. 430-271.000.
Jacobs, Sheldon L., to Carson Industries, Inc. Load supporting pad. 4,869,456, 9-26-89, Cl. 248-678.000.
Jacobs, Stephen M.; McTavish, Mary S.; and Doljack, Frank A., to Raychem Corporation. Method of making a PTC conductive polymer electrical device. 4,845,838, 7-11-89, Cl. 29-671.000.
Jacobs, Stephen M.: *See—*
  Au, Andrew N.; Deep, Marguerite E.; Fahey, Timothy E.; and Jacobs, Stephen M., 4,857,880, Cl. 338-22.00R.
  Prell, Edward T.; and Jacobs, Stephen M., 4,833,830, Cl. 49-463.000.
Jacobs-Suchard-A.G.: *See—*
  Giddey, Claude; and Dove, Georges, 4,818,554, Cl. 426-564.000.
Jacobs Suchard GmbH: *See—*
  Bonne, Harry; and Nothnagel, Manfred, 4,844,914, Cl. 426-79.000.
  Wittekind, Jurgen; and Hampel, Hans-Joachim, 4,863,601, Cl. 210-474.000.
Jacobs, Wayne, to Johnson Matthey Inc. Solder paste. 4,872,928, 10-10-89, Cl. 148-24.000.
Jacobs, William A. Pre-mixed thermoplastic units and method of using same. 4,807,746, 2-28-89, Cl. 206-321.000.
Jacobsen, Alan N. Method and apparatus for spinning yarn. 4,821,505, 4-18-89, Cl. 57-401.000.
Jacobsen, Christian C., to General DataComm, Inc. High speed bit interleaved time division multiplexer for multinode communication systems. 4,815,074, 3-21-89, Cl. 370-112.000.
Jacobsen, Donald V.; Bernardi, Roy L.; and Ryan, Francis W., to BOC Group, Inc., The. Transparent article having high visible transmittance. 4,828,346, 5-9-89, Cl. 350-1.700.
Jacobsen, Finn: *See—*
  Richter, Johan C. F. C.; Ricter, Ole J.; and Jacobsen, Finn, 4,881,286, Cl. 8-156.000.
Jacobsen, Hans, to International Terminal Systems AB. Data handling system. 4,804,829, 2-14-89, Cl. 235-377.000.

Jacobsen, Niels: *See—*
Moller, Jens T.; Jacobsen, Niels; Nielsen, Kirsten K.; and Rassmussen, Stig, 4,889,698, Cl. 423-210.000

Jacobsen, Ole A., to Dansk Industri Syndikat A/S. Power-driven gripper, especially for manipulating mould parts and cooperating components in an automated foundry plant. 4,824,155, 4-25-89, Cl. 294-88.000.

Jacobsen, Ole A., to Dansk Industri Syndikat A/S. System comprising a power-actuated gripper and a number of gripping objects, especially for use in an automated foundry plant, with fluid communication between said gripper and a gripping object being gripped by it. 4,840,416, 6-20-89, Cl. 294-2.000.

Jacobsen, Poul; Nielsen, Flemming E.; and Honore, Tage, to A/S Ferrosan. Heterocyclic compounds and their preparation and use. 4,889,855, 12-26-89, Cl. 514-250.000.

Jacobsen, Poul: *See—*
Honore, Tage; Drejer, Jorgen; Jacobsen, Poul; and Nielsen, Flemming E., 4,812,458, Cl. 514-249.000.

Jacobsen, Preben, to Jamo Hi-Fi A/S. Loudspeaker unit. 4,802,551, 2-7-89, Cl. 181-146.000.

Jacobsen, Richard. Alignment and support tool for building siding. 4,862,669, 9-5-89, Cl. 52-749.000.

Jacobsen, Ronald L.: *See—*
Mermelstein, Robert; and Jacobsen, Ronald L., 4,844,824, Cl. 252-8.750

Jacobsen, Stephen C.; Petelenz, Tomasz J.; and Stephen, Robert L. Flow-through methods and apparatus for iontophoresis application of medicaments at a controlled pH. 4,886,489, 12-12-89, Cl. 604-20.000.

Jacobsen, Thomas; and Parker, Alexander L., to Ben Clements & Sons, Inc. Twist tie feed device. 4,827,991, 5-9-89, Cl. 140-93.600.

Jacobsen, Trond; and Klaveness, Jo, to Nycomed AS. Method of NMK imaging using a contrast agent comprising particles of a ferromagnetic material. 4,863,715, 9-5-89, Cl. 424-9.000.

Jacobsen, William M. Ground-implantable plastic fastener for holding erosion cloth on the ground. 4,832,557, 5-23-89, Cl. 411-485.000.

Jacobson, Allan: *See—*
Pecoraro, Theresa A.; Jacobson, Allan; and Chianelli, Russell R., 4,795,731, Cl. 502-221.000.

Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., to Exxon Research & Engineering Company. Hydrotreating with catalysts comprising mixtures of an amorphous sulfide or trivalent chromium and microcrystallites of molybdenum sulfide or tungsten sulfide. 4,812,227, 3-14-89, Cl. 208-215.000.

Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; and Pecoraro, Theresa. Amorphous, iron promoted Mo and W sulfide hydroprocessing catalysts and process for their preparation. 4,820,677, 4-11-89, Cl. 502-220.000.

Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., to Exxon Research and Engineering Company. Hydrotreating catalysts comprising a mixture of a sulfide of a promoter metal, amorphous sulfide of trivalent chromium and microcrystalline molybdenum or tungsten sulfide. 4,824,820, 4-25-89, Cl. 502-219.000.

Jacobson, Allan J.: *See—*
Young, Archie R.; Ho, Teh C.; Jacobson, Allan J.; and Chianelli, Russell R., 4,801,570, Cl. 502-220.000.

Jacobson, Amnon; Goloub, Eli; and Sharony, Jacob, to ISPRA Israel Product Research Company Ltd. Wallpaper comprising an optical fibre. 4,847,596, 7-11-89, Cl. 340-550.000.

Jacobson, Amnon; Goloub, Eli; and Sharony, Jacob, to ISPRA Israel Products Research Co. Ltd. Preparation of laminated structure containing an optical fiber. 4,867,820, 9-19-89, Cl. 156-101.000.

Jacobson, Barry J. Inflatable aerodynamic wing structure. 4,858,854, 8-22-89, Cl. 244-123.000.

Jacobson, Charles, to Garlock Bearings, Inc. Composite bearings having improved wear life. 4,867,889, 9-19-89, Cl. 252-12.600.

Jacobson, Clifford L. Portable secondary containment apparatus for chemicals. 4,844,286, 7-4-89, Cl. 220-401.000.

Jacobson, Earl B. Glove bag waste removal system for asbestos impregnated brakes. 4,820,000, 4-11-89, Cl. 312-1.000.

Jacobson, Earl B. Glove box for removal of hazardous waste from pipes. 4,842,347, 6-27-89, Cl. 312-1.000.

Jacobson, Earl B. Glove bag waste removal system for asbestos impregnated brakes. 4,865,401, 9-12-89, Cl. 312-1.000.

Jacobson, Earl C.: *See—*
Myers, Thomas W.; and Jacobson, Earl C., 4,799,706, Cl. 280-504.000.

Jacobson, Gordon R., to Delaware Capital Formation, Inc. Manually operated clip attachment apparatus. 4,807,345, 2-28-89, Cl. 29-243.560.

Jacobson, Gunilla M. C.: *See—*
Hagerlid, Peter K.; Hitchman, Michael; Jacobson, Gunilla M. C.; and Wheeler, Richard, 4,844,782, Cl. 204-180.100.

Jacobson, Jeff A. Blind cleaning device. 4,879,782, 11-14-89, Cl. 15-210.00A.

Jacobson, John: *See—*
Vanmeggelen, Peter; and Jacobson, John, 4,798,072, Cl. 72-132.000.

Jacobson, Larry L.: *See—*
Young, John R.; and Jacobson, Larry L., 4,863,134, Cl. 248-311.200.

Jacobson Mfg. Co., Inc.: *See—*
Baubles, Richard C., 4,880,400, Cl. 439-722.000.

Jacobson, Peter E., to Honeywell Inc. Compensated rotary position encoder. 4,819,051, 4-4-89, Cl. 341-13.000.

Jacobson, Peter E.: *See—*
Smith, Dennis W.; and Jacobson, Peter E., 4,795,279, Cl. 384-450.000.

Jacobson, Richard L.; Jeffrey, Frank R.; and Westerberg, Roger K., to Minnesota Mining and Manufacturing Company. Multi-chamber deposition system. 4,841,908, 6-27-89, Cl. 118-718.000.

Jacobson, Richard L.; Jeffrey, Frank R.; and Westerberg, Roger K., to Minnesota Mining and Manufacturing Company. Multi-chamber deposition system. 4,874,631, 10-17-89, Cl. 427-39.000.

Jacobson, Richard M., to Rohm and Haas. N-aryl-3-aryl-4,5-dihydro-1H-pyrazole-1-carboxamides and methods of their production. 4,863,947, 9-5-89, Cl. 514-403.000.

Jacobson, Robert L.: *See—*
Van Leirsburg, Dean A.; Mohr, Donald H.; Tamm, Paul W.; Jacobson, Robert L.; Hughes, Thomas R.; and Wilson, Charles R., 4,851,380, Cl. 502-37.000.

Jacobson, Terry W., to Cray Research, Inc. Personnel antistatic test device. 4,800,374, 1-24-89, Cl. 340-649.000.

Jacobson, Walter E.; Summers, Donald J.; Vining, Kenneth; and Jackson, Frederick E., to Revere Corporation of America. Apparatus and method for measuring strain. 4,858,475, 8-22-89, Cl. 73-862.540.

Jacobsson, Kenth; and Lagerstedt, Jan, to Tetra Pak International AB. Opening arrangement for packing containers. 4,815,655, 3-28-89, Cl. 229-123.200.

Jacobsson, Kurt A. G., to Aktiebolaget IRO. Yarn feeding device. 4,832,270, 5-23-89, Cl. 242-47.010.

Jacobsson, Kurt A. G., to Aktiebolaget IRO. Two wheel device for positve feeding of yarn to knitting machine. 4,835,988, 6-6-89, Cl. 66-132.00T.

Jacobsson, Kurt A. G., to Aktiebolaget IRO. Monitoring circuit for a knitting machine. 4,860,558, 8-29-89, Cl. 66-163.000.

Jacobucci, Daniel G. C. Ice, frost, and snow scraper for vehicle windscreens. 4,813,458, 3-21-89, Cl. 15-236.020.

Jacobus De Haan, Friedrich, administrator: *See—*
Voeten, Hendrik, deceased; and Jacobus De Haan, Friedrich, administrator, 4,831,490, Cl. 361-523.000.

Jacobus, Gerry A.: *See—*
Phillips, Clarence W.; Phillips, William F.; and Jacobus, Gerry A., 4,835,683, Cl. 364-200.000.

Jacobus, Howard B.: *See—*
Dixon, Guy E.; Jacobus, Howard B.; and Soto, Florencio E., 4,867,221, Cl. 160-84.100.

Jacoby, Elliot; Yuhasz, Stephen J.; and Mayo, Noel, to Lutron Electronics Co., Inc. Non-electronic gain control. 4,825,075, 4-25-89, Cl. 250-342.000.

Jacoby, Elliot G.: *See—*
Graef, John T.; Jacoby, Elliot G.; and Spira, Joel S., 4,835,343, Cl. 174-66.000.

Jacoby, Elliot G., Jr.; D'Aleo, Michael J.; Luchaco, David G.; Spira, Joel S.; Wagner, Richard A.; Yuhasz, Stephen J.; and Dowler, David H., to Lutron Electronics Co., Inc. Cover and support plate arrangement for wall mounted devices. 4,803,380, 2-7-89, Cl. 307-157.000.

Jacoby, Elliot G., Jr.; Mayo, Noel; and Spira, Joel S., to Lutron Electronics Co., Inc. Wall plate insert. 4,833,277, 5-23-89, Cl. 174-66.000.

Jacoby, John: *See—*
Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John, 4,869,870, Cl. 420-532.000.

Jacoby, John E.; Yu, Ho; and Ramser, Robert A., to Aluminum Company of America. Method of producing aircraft plate and sheet. 4,882,831, 11-28-89, Cl. 29-527.500.

Jacoby, John E.: *See—*
Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John E., 4,832,910, Cl. 420-528.000.

Jacoby, Philip: *See—*
Fisher, James H.; and Jacoby, Philip, 4,829,839, Cl. 73-866.000.

Jacolin, Richard: *See—*
Bernard, Georges; Bouvet, Bernard; Jacolin, Richard; Colleoni, Guido; Gaillard, Jacques; and Volsy, Robert, 4,803,319, Cl. 200-147.00A.

Jacomb-Hood, Anthony W., to General Electric Company. Switchable matching network for an element of a steerable antenna array. 4,806,944, 2-21-89, Cl. 343-745.000.

Jacomini, Omar J., to Westinghouse Electric Corp. Recursive radar clutter filter. 4,829,307, 5-9-89, Cl. 342-159.000.

Jacomini, Omar J., to Westinghouse Electric Corp. Second time around clutter cancellation system. 4,890,113, 12-26-89, Cl. 342-163.000.

Jacopich, Werner; Winter, Kurt; and Mayr, Siegfried, to Siemens Aktiengesellschaft. Circuit for monitoring a plurality of analog quantities. 4,857,761, 8-15-89, Cl. 307-350.000.

Jacot, A. Dean; Hamilton, Brian J.; Cunningham, David C.; and Davis L. Porter, to Boeing Company, The. Dual mode vibration isolator. 4,848,525, 7-18-89, Cl. 188-378.000.

Jacquel, Dominique, to Somfy. Control device for a sunshade blind responsive to meteorological phenomenon. 4,881,219, 11-14-89, Cl. 364-400.000.

Jacquemet, Georges, to Martelec - Societe Civile Particuliere. Electromagnetic pile driver. 4,799,557, 1-24-89, Cl. 173-91.000.

Jacquemin, Jean-Marie: *See—*
Lindsey, Alan F.; and Jacquemin, Jean-Marie, 4,833,832, Cl. 51-54.000.

Jacquemin, Jean-Pierre; and Deleens, Gerard, to Atochem. Elastomeric polyetheramide/nitrile rubber compositions. 4,866,127, 9-12-89, Cl. 525-90.000.

Jacques, Alain; and Pirotton, Patrice, to Colgate-Palmolive Company. Fabric softening compositions based on lecithin and methods for making and using same. 4,808,320, 2-28-89, Cl. 252-8.800.

Jacques, Alain; and Pirotton, Patrice, to Colgate-Palmolive Company. Stable aqueous fabric softening compositions based on lecithin, saponin and sorbic acid and methods for making and using same. 4,816,170, 3-28-89, Cl. 252-8.800.

Jacques, Donald A.: *See—*
Vandenberg, Donald E.; Jacques, Donald A.; and Schaffer, William E., 4,875,765, Cl. 350-611.000.

Jacques, Donald F.: *See—*
Bock, Jan; Valint, Paul L.; and Jacques, Donald F., 4,831,092, Cl. 526-209.000.
Valint, Paul L.; Bock, Jan; and Jacques, Donald F., 4,835,234, Cl. 526-258.000.

Jacques, Jacques; and Grandmaire, Jean-Paul, to Colgate-Palmolive Company. Fabric softener composition containing di-esterified long chain fatty acid quaternary ammonium salt. 4,844,823, 7-4-89, Cl. 252-8.800.

Jacques, Jean: *See—*
Bouton, Marie-Madeleine; Jacques, Jean; and Pierdet, Andre, 4,849,454, Cl. 514-691.000.

Jacques, Paul. Method and device for testing of temperature control valves in the water cooling system of locomotive engines. 4,848,925, 7-18-89, Cl. 374-145.000.

Jacques, Roland; Reppelin, Michel; and Seigneurin, Laurent, to Rhone-Poulenc Specialites Chimiques. Fluorinated silica catalyst and preparation of aromatic/aliphatic nitriles in the presence thereof. 4,822,903, 4-18-89, Cl. 558-312.000.

Jacques, Roland, to Flex Technology, Inc. Flexible circuit laminate for surface mount devices. 4,851,613, 7-25-89, Cl. 174-68.500.

Jacquet, Bernard; Hocquaux, Michel; Semeria, Didier; and Saint-Leqer, Didier, to L'Oreal. Unsaturated aromatic peroxides and their use in pharmaceutical and cosmetic compositions. 4,803,228, 2-7-89, Cl. 514-714.000.

Jacquet, Bernard; Gaetani, Quintino; and Hocquaux, Michel, to L'Oreal. Anhydrous solution of hydrogen peroxide in an organic solvent and the use of the same in therapeutic and cosmetic formulations. 4,826,681, 5-2-89, Cl. 424-613.000.

Jacquet, Bruno; Boudet, Pierre; and Tellier, Jean-Pierre, to La Telemecanique Electrique. Device for adjusting the relative position of two parts of the same piece by deformation, by means of a conical screw, of an intermediate zone connecting these two parts together. 4,815,312, 3-28-89, Cl. 72-454.000.

Jacquet, Bruno; Noirot, Frederic; and Tellier, Jean-Pierre, to La Telemecanique Electrique. Symmetric percussion switching device using a head point over-run device. 4,841,106, 6-20-89, Cl. 200-462.000.

Jacquet, Bruno, to La Telemecanique Electrique. Thermal relay. 4,859,979, 8-22-89, Cl. 337-3.000.

Jacquier, Paul, to Framatome. Heating apparatus, particularly for the heat treatment of a tube of small diameter and of curved shape. 4,883,946, 11-28-89, Cl. 219-523.000.

Jacquinet, Jean-Claude: *See—*
Petitou, Maurice; Lormeau, Jean-Claude; Choay, Jean; Jacquinet, Jean-Claude; and Sinay, Pierre, 4,801,583, Cl. 514-54.000.
Petitou, Maurice; Jacquinet, Jean-Claude; Sinay, Pierre; Choay, Jean; Lormeau, Jean-Claude; and Nassr, Mahmoud, 4,818,816, Cl. 536-55.200.

Jacquish, William W., to Tri-Dim Filter Corporation. Air cleaning system. 4,869,734, 9-26-89, Cl. 55-60.000.

Jacrot, Michel, to U.S. Philips Corporation. Electric incandescent lamp assembly having simplified construction. 4,843,276, 6-27-89, Cl. 313-318.000.

JacTac, Inc.: *See—*
Hoopengardner, Merle R., 4,797,170, Cl. 156-71.000.

Jacubert, Serge; Boudot, Bernard; and Nataf, Philippe, to Rhone-Poulenc Specialites Chimiques. Production of shaped articles of ultra-pure silicon. 4,831,964, 5-23-89, Cl. 118-725.000.

Jacuzzi, Remo; and Smith, Eugene C., to Jason International, Inc. Double cascade spout. 4,852,190, 8-1-89, Cl. 4-192.000.

Jadamus, Hans; and Richter, Klaus-Peter, to Huls Aktiengesellschaft. Structural components made from a fibrous reinforcing support and rubber and methods for their manufacture. 4,800,120, 1-24-89, Cl. 428-286.000.

Jadamus, Hans; and Richter, Klaus-Peter, to Huls Aktiengesellschaft. Component parts comprised of polyphenylene ethers and elastomeric thermoplastically processible styrene-containing block copolymers, and process for producing the same. 4,816,345, 3-28-89, Cl. 428-521.000.

Jadamus, Hans; Beckmann, Guenter; Streck, Roland; Richter, Klaus-Peter; and Schafer, Wolfgang, to Huls Aktiengesellschaft. Parts based on polyphenylene ethers and rubbers as well as methods for their production. 4,835,063, 5-30-89, Cl. 428-495.000.

Jadhav, Prabhakar K., to Du Pont de Nemours, E. I., and Company. Process for reducing silicon, germanium and tin halides. 4,824,657, 4-25-89, Cl. 423-645.000.

Jadwin, Thomas A.: *See—*
Alexandrovich, Peter S.; DeMejo, Lawrence P.; Jadwin, Thomas A.; and Wilson, John C., 4,837,394, Cl. 430-110.000.
Wilson, John C.; and Jadwin, Thomas A., 4,855,396, Cl. 528-272.000.

Jaeb, Jonathan P.; Gilstad, Dennis W.; and Branstetter, Ronald L., to Nippon Colin Co., Ltd. Optical sensor for pulse oximeter. 4,880,304, 11-14-89, Cl. 356-41.000.

Jaeckel, Heinz: *See—*
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Jaeckel, Klaus-Peter: *See—*
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Jaeckel, Lothar; Kleber, Rolf; and Mees, Bernhard, to Hoechst Aktiengesellschaft. Amino-containing alkenylsuccinic esters. 4,883,495, 11-28-89, Cl. 8-115.600.

Jaecklin, Andre; Roggwiller, Peter; Veitz, Rudolf; and Vlasak, Thomas, to BBC Brown Boveri AG. Controllable power semiconductor. 4,843,449, 6-27-89, Cl. 357-38.000.

Jaecklin, Andre: *See—*
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Jaecklin, Felix P., to Geotech-Lizenz AG. Wall with gravity support structure, building element and method for construction thereof. 4,818,150, 4-4-89, Cl. 405-262.000.

Jaeger: *See—*
Bezard, Jean-Jacques; Feppon, Philippe; and Rodionoff, Pierre, 4,874,242, Cl. 356-341.000.
Chapotot, Michel, 4,835,460, Cl. 324-97.000.
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Gauthier, Christian, 4,880,945, Cl. 200-61.540.
Lagier, Daniel; and Auffray, Jean-Pierre, 4,850,881, Cl. 439-22.000.
Lazareff, Andre, 4,798,161, Cl. 116-28.100.
Reymond, Philippe, 4,821,571, Cl. 73-317.000.

Jaeger, Charles W.; Titterington, Donald R.; Le, Hu P.; and Sopko, Jeffrey J., to Tektronix, Inc. Phase change ink composition and phase change ink produced therefrom. 4,889,560, 12-26-89, Cl. 106-27.000.

Jaeger, Helmut: *See—*
Schulz, Guenther; Druschke, Wolfgang; and Jaeger, Helmut, 4,873,023, Cl. 260-404.800.

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Jaeger, John J., to United States of America, Army. Rotary filling and emptying valve. 4,830,051, 5-16-89, Cl. 137-625.210.

Jaeger, Karl-Heinrich. Oligopeptides from bovine blood. 4,866,033, 9-12-89, Cl. 514-2.000.

Jaeger, Karl-Heinz, to Dr. Kurt Mulli Nachf. GmbH & Co. KG. Pharmaceutical composition containing thymus extract fractions. 4,826,680, 5-2-89, Cl. 424-95.000.

Jaeger, Marc J., to University of Florida. System and method for separating solutes and particulates in solvents by enhanced diffusion produced by tuned oscullations. 4,844,814, 7-4-89, Cl. 210-748.000.

Jaeger, Marc J., to University of Florida. Heat transfer system without mass transfer. 4,880,049, 11-14-89, Cl. 165-6.000.

Jaeger, Nicolas A. F.; and Young, Lawrence, to University of British Columbia, The. Voltage-induced optical waveguide modulator having reduced inter-electrode gap. 4,807,952, 2-28-89, Cl. 350-96.140.

Jaeger, Raymond E.; and Aslami, Mohd, to SpecTran Corporation. Composite capillary tube structure and method of forming. 4,812,344, 3-14-89, Cl. 428-34.600.

Jaeger, Scott H.: *See—*
Clemow, Alastair J. T.; and Jaeger, Scott H., 4,858,603, Cl. 123-92.0ZW.

Jaeger, Siegfried; and Herrlein, Wilhelm, to Lindauer Dornier Gesellschaft m.b.H. Gear drive for shuttleless looms. 4,878,392, 11-7-89, Cl. 74-333.000.

Jaeger, Walter; and Mazza, Aldo, to GX-Holding AG. Method for the electronic production of thermal image reproduction and apparatus for carrying out the method. 4,866,275, 9-12-89, Cl. 250-330.000.

Jaeger, Wayne: *See—*
Titterington, Donald R.; Anderson, Jeffrey J.; Rise, James D.; and Jaeger, Wayne, 4,889,761, Cl. 428-195.000.

Jaeggi, Franz-Josef, to Ciba-Geigy Corporation. 2-alkoxy-5-chlorobenzenesulfonates useful for the preparation of 2-alkoxybenzosulfonamides. 4,798,688, 1-17-89, Cl. 260-512.00R.

Jaeggi, Knut A., to Ciba-Geigy Corporation. Aromatically substituted azacycloalkyl-alkanediphosphonic acids useful for the treatment of illnesses that can be attributed to calcium metabolism disorders. 4,871,720, 10-3-89, Cl. 514-79.000.

Jaehme, Joachim: *See—*
Marx, Matthias; Jaehme, Joachim; and Streu, Joachim, 4,845,266, Cl. 560-91.000.

Jaen, Juan C.: *See—*
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Jaenichen, Paul N., Sr., to United States of America, Navy. Phase control mechanism for wave energy conversion. 4,872,309, 10-10-89, Cl. 60-497.000.

Jaenicke, Ottmar; Wagner, Hans; and Worm, Manfred, to Hoechst Aktiengesellschaft. Process for the preparation of cefodizime. 4,868,295, 9-19-89, Cl. 540-227.000.

Jafarey, Nozar, to Allied-Signal Inc. Non-jamming rotary mechanical actuator. 4,856,379, 8-15-89, Cl. 74-805.000.

Jaffari, Cyrus: *See—*
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Jaffari, Mark D.; Mahar, Jeffrey T.; and Bachert, Richard L., to Eastman Kodak Company. Ion exchange recovery of L-lysine. 4,835,309, 5-30-89, Cl. 562-554.000.

Jaffe Acoustics, Inc.: *See—*
Lobb, William E., 4,837,829, Cl. 381-83.000.

Jaffe, Edward E.; and Babler, Fridolin, to Ciba-Geigy Corporation. Solid solutions of pyrrolo-(3,4-C)-pyrroles with quinacridones. 4,810,304, 3-7-89, Cl. 106-494.000.

Jaffe, Edward E., to Ciba-Geigy Corporation. Surface modified pigment compositions. 4,844,742, 7-4-89, Cl. 106-448.000.

- Jaffe, Edward E., to Ciba-Geigy Corporation. Modified beta-quinacridone pigment. 4,857,646, 8-15-89, Cl. 546-49.000.
- Jaffe, Edward E.: *See—*
  - Jost, Max; Jaffe, Edward E.; and Bugnon, Philippe, 4,863,522, Cl. 106-494.000.
  - Lienhard, Paul; and Jaffe, Edward E., 4,866,112, Cl. 524-87.000.
- Jaffe, Gerald E.: *See—*
  - Mitchell, Gary A.; Jaffe, Gerald E.; and Solorzano, Marilyn M., 4,801,534, Cl. 435-13.000.
- Jaffe, Jules S.; Cassereau, Philippe; and Sato, Tomomasa, to Woods Hole Oceanographic Institute. Imaging apparatus. 4,855,961, 8-8-89, Cl. 367-7.000.
- Jaffe, Kenneth: *See—*
  - Sheridan, Michael; and Jaffe, Kenneth, 4,838,095, Cl. 73-864.630.
  - Sheridan, Michael; and Jaffe, Kenneth, 4,873,876, Cl. 73-863.860.
- Jaffe, Mary S.: *See—*
  - Mers, Catherine; Nelson, Clark D.; Arsena, Vito J.; and Jaffe, Mary S., 4,833,576, Cl. 362-226.000.
- Jaffe, Mordecai J.: *See—*
  - Bridle, Kenneth A.; and Jaffe, Mordecai J., 4,818,274, Cl. 71-106.000.
- Jaffe, Norman R. Tissue fixation with vapor. 4,800,603, 1-31-89, Cl. 8-94.110.
- Jaffe, Norman S., to Cilco, Inc. Intraocular lens. 4,822,358, 4-18-89, Cl. 623-6.000.
- Jaffre, Pierre; Le Mouel, Bernard; Robin, Jean-Francois; and Thepaut, Pierre, to Alcatel Cit. Detector logic circuit for a sychronous transmission system for data comprising ternary symbols and controlled partial response class 1, N=2 type intersymbol interference. 4,805,190, 2-14-89, Cl. 375-17.000.
- Jaffres, Remy: *See—*
  - Perville, Jacques; Lasjaunies, Thierry; Dard, Jean-Claude; and Jaffres, Remy, 4,832,512, Cl. 400-18.000.
  - Richard, Jean-Louis; and Jaffres, Remy, 4,862,592, Cl. 33-18.100.
- Jaffrey Fire Protection Co., Inc.: *See—*
  - Leach, Allen A., 4,848,398, Cl. 137-556.300.
- Jagadeesh, Jogikal: *See—*
  - Tomei, L. David; Cornhill, Fred; Jagadeesh, Jogikal; and Boninger, Michael, 4,877,966, Cl. 250-458.100.
- Jagani, Anand M.: *See—*
  - Eastman, Richard E.; and Jagani, Anand M., 4,798,097, Cl. 74-15.880.
  - Eastman, Richard E.; and Jagani, Anand M., 4,836,053, Cl. 74-789.000.
  - Eastman, Richard E.; and Jagani, Anand M., 4,862,755, Cl. 74-15.880.
- Jagannathan, Ramesh; and Bye, Matthew R., to Eastman Kodak Company. Particulate magnetic recording media having an areally controlled recording characteristics. 4,805,065, 2-14-89, Cl. 360-135.000.
- Jagannathan, Ramesh; and Bye, Matthew R., to Eastman Kodak Company. Particulate magnetic recording media having an areally controlled recording characteristic. 4,855,028, 8-8-89, Cl. 204-180.200.
- Jagannathan, Ramesh, to Eastman Kodak Company. Particulate magnetic recording media and method of manufacture thereof. 4,865,703, 9-12-89, Cl. 204-180.200.
- Jagannathan, Rangarajan; Krishnan, Mahadevaiyer; and Wandy, Gregory P., to International Business Machines Corporation. Electroless copper plating bath. 4,818,286, 4-4-89, Cl. 106-1.230.
- Jagatich, Carl T.: *See—*
  - Gardner, Bronson; Keener, Melvin E.; DeSutter, Steven C.; Jagatich, Carl T.; and Felice, Ralph A., 4,876,647, Cl. 364-420.000.
- Jagenberg Aktiengesellschaft: *See—*
  - Bodewein, Jakob, 4,799,847, Cl. 414-790.800.
  - Heymanns, Willi, 4,877,196, Cl. 242-66.000.
  - Hoffmann, Peter; Buschmann, Gerhard; Leichter, Hans; and Welp, Ewald G., 4,817,883, Cl. 242-66.000.
  - Knop, Reinhard, 4,836,134, Cl. 118-413.000.
  - Martini, Norbert; and Naudascher, Peter, 4,796,879, Cl. 271-218.000.
  - Muller, Georg; Buschmann, Gerhard; and Hoffmann, Peter, 4,824,039, Cl. 242-65.000.
  - Muller, Georg; Buschmann, Gerhard; and Hoffmann, Peter, 4,846,417, Cl. 242-65.000.
  - Schonmeier, Herbert; and Hehner, Reinhard, 4,805,847, Cl. 242-56.200.
  - Schonmeier, Herbert, 4,867,387, Cl. 242-65.000.
  - Sommer, Herbert; and Ruckert, Hans, 4,887,547, Cl. 118-410.000.
- Jager, Andreas, to Jager, Arnold. Device for aerating water. 4,849,139, 7-18-89, Cl. 261-122.000.
- Jager, Arnold: *See—*
  - Jager, Andreas, 4,849,139, Cl. 261-122.000.
- Jager, Gerhard; Jautelat, Manfred; Arlt, Dieter; Reinecke, Paul; Brandes, Wilhelm; and Hanssler, Gerd, to Bayer Aktiengesellschaft. Novel azolyl-aroxymethyl-dimethylpentinol fungicides. 4,826,865, 5-2-89, Cl. 514-399.000.
- Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, to Bayer Aktiengesellschaft. Fungicidal and plant-growth regulating azolyl ether ketones and alcohols. 4,878,939, 11-7-89, Cl. 71-92.000.
- Jager, Gerhard: *See—*
  - Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Paul, Volker, 4,797,499, Cl. 549-559.000.
  - Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Lurssen, Klaus, 4,868,196, Cl. 514-383.000.
- Jager, Horst, to Bayer Aktiengesellschaft. Reactive disazo dyestuffs having a fluorocontaining reactive group and a sulphatoethylsulphone substituent. 4,839,469, 6-13-89, Cl. 534-637.000.
- Jager, Horst, to Bayer Aktiengesellschaft. Azo reactive dyestuffs. 4,841,030, 6-20-89, Cl. 534-638.000.
- Jager, Johannes: *See—*
  - Schwerdhofer, Hans J.; Jager, Johannes; Gerstner, Richard; and Look, Gunter, 4,820,979, Cl. 324-171.000.
- Jager, Jurgen: *See—*
  - Ahlf, Heinz-Jurgen; Jager, Jurgen; Wulf, Peter; Guhne, Wieland; and Eckart, Manfred, 4,851,019, Cl. 55-367.000.
- Jager, Paul, to Kali-Chemie Aktiengesellschaft. Method for separating barium from water-soluble strontium compounds. 4,842,833, 6-27-89, Cl. 423-160.000.
- Jager, Sebastian, to Arnold Jager. Apparatus for aerating water. 4,820,457, 4-11-89, Cl. 261-120.000.
- Jager, Sebastian, to Arnold Jager. Device for aerating water. 4,842,779, 6-27-89, Cl. 261-122.000.
- Jager, Silvia: *See—*
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- Jager, Willem W.: *See—*
  - Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,812,433, Cl. 502-117.000.
  - Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,868,221, Cl. 518-700.000.
  - Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,873,267, Cl. 518-700.000.
  - Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,876,286, Cl. 518-700.000.
  - Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,888,361, Cl. 518-700.000.
- Jagger, Brian E.: *See—*
  - Savage, James G.; Jagger, Brian E.; and Namen, Tjado V., 4,867,584, Cl. 400-157.300.
- Jaggi, Bruno; Deen, Mohammed J.; and Palcic, Branko. Quantitative light microscope using a solid state detector in the primary image plane. 4,845,552, 7-4-89, Cl. 358-93.000.
- Jaggli, Stephan: *See—*
  - Bernhard, Kurt; Jaggli, Stephan; Kreienbuhl, Paul; and Schwieter, Ulrich, 4,883,887, Cl. 549-341.000.
- Jaggy, Peter: *See—*
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- Jago Research AG: *See—*
  - Reiner, Alberto, 4,828,763, Cl. 260-397.100.
  - Reiner, Alberto, 4,865,765, Cl. 260-397.100.
- Jagode, Fritz H.: *See—*
  - Bartling, Werner; and Jagode, Fritz H., 4,888,884, Cl. 34-32.000.
- Jagodzinski, James A.: *See—*
  - Reineke, Charles E.; and Jagodzinski, James A., 4,851,120, Cl. 210-500.250.
- Jagota, Sujata; and Raj, Rishi, to Cornell Research Foundation, Inc. Producing alpha-alumina whiskers. 4,806,198, 2-21-89, Cl. 156-623.00R.
- Jagotec AG: *See—*
  - Colombo, Paolo; La Manna, Aldo; and Conte, Ubaldo, 4,839,177, Cl. 424-482.000.
- Jagst, Peter, to Trutzschler GmbH & Co. Kg. Waste separator for a card. 4,797,980, 1-17-89, Cl. 19-107.000.
- Jagst, Peter; and Thannheiser, Axel, to Trutzschler GmbH & Co. KG. Blower-conveyor for textile fiber tufts in a cleaning line and method. 4,798,516, 1-17-89, Cl. 415-121.00A.
- Jaguar Cars Limited: *See—*
  - Parsons, Bryan N. V., 4,794,810, Cl. 74-424.80R.
  - Parsons, Bryan N. V.; and Richardson, Stephen H., 4,828,379, Cl. 350-626.000.
  - Parsons, Bryan N. V., 4,831,974, Cl. 123-90.160.
  - Parsons, Bryan N. V., 4,838,220, Cl. 123-190.00D.
  - Parsons, Bryan N. V., 4,840,164, Cl. 123-559.100.
  - Parsons, Bryan N. V., 4,869,215, Cl. 123-90.160.
  - Parsons, Bryan N. V., 4,870,872, Cl. 74-568.00R.
- Jahan, Muhammad S.: *See—*
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- Jahanger, Mohammed S. Umbilical cord cutting and clamping device. 4,870,965, 10-3-89, Cl. 128-318.000.
- Jahanmir, Said: *See—*
  - Beltzer, Morton; and Jahanmir, Said, 4,840,741, Cl. 252-47.000.
- Jahn, Darrell D.: *See—*
  - Betts, Peter; and Jahn, Darrell D., 4,876,011, Cl. 210-526.000.
- Jahn, Dieter; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Jung, Johann; and Rademacher, Wilhelm, to BASF Aktiengesellschaft. Cyclohexenone derivatives, preparation and use thereof as herbicides. 4,812,160, 3-14-89, Cl. 71-88.000.
- Jahn, Dieter; Rohr, Wolfgang; Becker, Rainer; and Wuerzer, Bruno, to BASF Aktiengesellschaft. 5-aryl-cyclohexane-1-3-dione derivatives, herbicides containing these compounds, and the preparation of these compounds. 4,844,735, 7-4-89, Cl. 71-121.000.
- Jahn, Dieter; Becker, Rainer; Goetz, Norbert; and Wuerzer, Bruno, to BASF Aktiengesellschaft. Cyclohexane-1,3-dione derivatives, their preparation and their use for controlling undesired plant growth. 4,851,032, 7-25-89, Cl. 71-94.000.

- Jahn, Dieter: *See—*
  - Gaszke, Jurgen; Jahn, Dieter; and Kritzner, Bruno, 4,853,727, Cl. 354-319.000.
  - Keil, Michael; Spiegler, Wolfgang; Jahn, Dieter; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,867,784, Cl. 71-98.000.
- Jahn, Franz-Xaver: *See—*
  - Gadke, Herbert; Steinhauer, Peter; Jahn, Franz-Xaver; Schade, Bernd; and Graf, Werner, 4,834,150, Cl. 141-98.000.
- Jahn, Hans-Georg, to Heidelberger Druckmaschinen AG. Sheet-fed rotary printing presses for multi-color printing. 4,854,231, 8-8-89, Cl. 101-177.000.
- Jahn-Held, Wilhelm; Lindoerfer, Walter; and Wartenpfuhl, Friedel, to Wintershall AG. Pretreatment of solid wastes, and wastes to be compacted, for introduction into underground salt cavities of salt caverns via a downpipe under the force of gravity. 4,886,393, 12-12-89, Cl. 405-128.000.
- Jahn, Helmut; and Karger, Waldemar, to Hoechst Aktiengesellschaft. Measuring device for the measurement of the deformability of red blood corpuscles. 4,797,606, 1-10-89, Cl. 324-71.100.
- Jahn, Helmut: *See—*
  - Fischer, Gerhard; Schneider, Benedikt; and Jahn, Helmut, 4,804,542, Cl. 424-456.000.
  - Reichenberger, Helmut; Naser, Georg; and Jahn, Helmut, 4,813,402, Cl. 108-24.00A.
- Jahn, Martin D.: *See—*
  - Dunn, James J.; Jahn, Martin D.; and Vukmanic, Ronald W., 4,852,325, Cl. 52-729.000.
- Jahn, Robert E., to W. R. Grace & Co. Non-smear food package. 4,795,034, 1-3-89, Cl. 206-557.000.
- Jahn, Robert E.: *See—*
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  - Owen, Dave L.; and Jahn, Robert E., 4,827,694, Cl. 53-441.000.
- Jahn, Walter: *See—*
  - Pfeiffer, Klaus; Pieper, Andreas; Scholz, Hans-Jurgen; Jahn, Walter; and Gimbel, Jurgen, 4,795,191, Cl. 280-808.000.
- Jahn, Wolfram: *See—*
  - Meiller, Hermann; and Jahn, Wolfram, 4,818,020, Cl. 297-313.000.
- Jahncke, Christian: *See—*
  - Igenbergs, Eduard; and Jahncke, Christian, 4,817,426, Cl. 73-180.000.
- Jahnke, Andreas: *See—*
  - Maring, Helmut; and Jahnke, Andreas, 4,843,333, Cl. 328-235.000.
- Jahnke, Bernd: *See—*
  - Kahlen, Hans; Jahnke, Bernd; Schmidt, Conrad; and Ziegenbein, Botho, 4,849,806, Cl. 357-51.000.
- Jahnke, Frederick C., to Texaco Inc. Partial oxidation process. 4,889,657, 12-26-89, Cl. 252-373.000.
- Jahnke, Richard L.: *See—*
  - Narducy, Kenneth W.; Jahnke, Richard L.; and Loshaek, Samuel, 4,857,072, Cl. 8-507.000.
- Jahnke, William A.: *See—*
  - Gilmore, Kevin J.; Marrinson, Andrew H.; and Jahnke, William A., 4,795,892, Cl. 235-381.000.
- Jahnke, William H., Jr., to Dresser-Rand Company. Coupling guard. 4,848,409, 7-18-89, Cl. 138-110.000.
- Jahns, Juergen: *See—*
  - Burghardt, Hartmut; Jahns, Juergen; and Kindt, Stefan, 4,871,222, Cl. 350-96.140.
- Jahns, Thomas M.: *See—*
  - Kiimen, Gerald B.; Brynsvold, Glen V.; and Jahns, Thomas M., 4,859,885, Cl. 310-11.000.
- Jahoda, Peter: *See—*
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- Jahr, Richard T., Jr.; and Holt, Marcus N., to White Consolidated Industries, Inc. Refrigeration cabinet construction. 4,826,040, 5-2-89, Cl. 220-467.000.
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- Jaklin, Hans. Method for repairing the near-surface layers of buildings reinforced with constructional steel. 4,869,753, 9-26-89, Cl. 106-74.000.
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Jamrozy, Richard E.; and Wilczynski, James M., to Thrall Car Manufacturing Co. Railroad car for container transport. 4,862,810, 9-5-89, Cl. 105-355.000.
Jamrozy, Richard E.; and Wilczynski, James M., to Thrall Car Manufacturing Company. Railroad car for container transport. 4,889,055, 12-26-89, Cl. 105-355.000.
Jamrozy, Richard E.: *See—*
  Gramse, Harold E.; Jamrozy, Richard E.; and Wilczynski, James M., 4,841,876, Cl. 105-406.100.
  Lindauer, Thomas W.; and Jamrozy, Richard E., 4,876,968, Cl. 105-415.000.
Jamzadeh, Fereidoon S.; and Stoudt, Michael D., to Eastman Kodak Company. Dynamic feedforward process control for electrographic machines. 4,806,980, 2-21-89, Cl. 355-14.00E.
Jan, Chaur-Ming; and Oehling, Mark E., to Warner-Lambert Company. Fluidized bed dryer/granulator. 4,875,435, 10-24-89, Cl. 118-62.000.
Jan, Cow M. Devices for stopping swinging doors. 4,823,432, 4-25-89, Cl. 16-86.00A.
Jan, Deng-Yang: *See—*
  Imai, Tamotsu; Abrevaya, Hayim; Bricker, Jeffery C.; and Jan, Deng-Yang, 4,827,072, Cl. 585-443.000.
Jan, Lian: *See—*
  Hsieh, Min-Lang; Huang, Jan-Hong; Jan, Lian; and Guan, Gang-Shyr, 4,882,895, Cl. 53-531.000.
Jan-Ove, Bergqvist; Ebbe, Nilsson; and Jarl, Andersson, to Alfa-Laval Thermal AB. Plate heat exchanger. 4,804,040, 2-14-89, Cl. 165-78.000.
Jan, Ying-Wen: *See—*
  Lin, Yuh-Wen; and Jan, Ying-Wen, 4,887,914, Cl. 394-12.000.
Janai, Meir I.: *See—*
  Orbach, Zvi; and Janai, Meir I., 4,875,971, Cl. 156-644.000.
Janatka, Karel: *See—*
  Foster, Dean H.; and Janatka, Karel, 4,813,209, Cl. 53-381.00R.
Jancaitis, Kenneth S.; and Powell, Howard T., to United States of America, Energy. Flashlamp radiation recycling for enhanced pumping efficiency and reduced thermal load. 4,799,233, 1-17-89, Cl. 372-70.000.
Janchris Corporation: *See—*
  Christner, Susan A.; Janda, Elaine R.; and Sidebottom, Mark, 4,822,054, Cl. 277-12.000.
Jancosek, David G.; Demorotski, Michael; and Noelting, Gregory, to National Steel Corp. Galvanneal induction furnace temperature control system. 4,845,332, 7-4-89, Cl. 219-10.770.
Jancso, Sandor: *See—*
  Kekesi, Sandor; Tamasi, Piroska; Pal, Veronika; Jancso, Sandor; Kristof nee Szvitil, Ilona; Bacsa, Gyorgy; and Kovacs nee Hadady, Katalin, 4,803,069, Cl. 424-74.000.
  Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.
Janda, Elaine R.: *See—*
  Christner, Susan A.; Janda, Elaine R.; and Sidebottom, Mark, 4,822,054, Cl. 277-12.000.
Janda, Ralf; and Dankowski, Manfred, to Degussa Aktiengesellschaft. Thermosetting dental materials. 4,866,146, 9-12-89, Cl. 526-213.000.
Janda, Ralf: *See—*
  Breitbarth, Friedrich-Wilhelm; Tiller, Hans-Jurgen; Grosch, Michael; Schmidt, Albert; Janda, Ralf; and Oppawsky, Steffen, 4,799,753, Cl. 350-96.180.
Jandacek, Ronald J.; and Letton, James C., to Procter & Gamble Company, The. Compositions containing novel solid, nondigestible, fat-like compounds. 4,797,300, 1-10-89, Cl. 426-549.000.
Jandera, Zdenek; and Bedwell, Ian R., to Plessey Australia Pty. Ltd. Composite sonar transducer for operation as a low frequency underwater acoustic source. 4,878,207, 10-31-89, Cl. 367-155.000.
Jandera, Zdenek: *See—*
  Jackett, Stephen G.; Kastel, Stephen N.; and Jandera, Zdenek, 4,862,428, Cl. 367-155.000.
Jandeska, William F.; Rezhets, Vadim; and Ligotti, Carlo, to General Motors Corporation. Method of producing iron powder article. 4,849,164, 7-18-89, Cl. 419-11.000.
Jandeska, William F., Jr.; Rezhets, Vadim; and Ligotti, Carlo, to General Motors Corporation. Presinter treatment for iron powder article formed with boride additive. 4,886,637, 12-12-89, Cl. 419-12.000.
Jandourek, Jiri; and Nord, Dan, to Bat o Fangst AB. Filter belt arrangement. 4,830,750, 5-16-89, Cl. 210-393.000.
Jandrain, Jean-Claude: *See—*
  Art, Andree ; Jandrain, Jean-Claude; Lecourt, Jean; and Legros, Desire, 4,830,692, Cl. 156-64.000.
Jandrain, Jean-Claude M.: *See—*
  Floreancig, Eligio M.; Jandrain, Jean-Claude M.; Legros, Desire M.; and Simonson, Jean-Claude M., 4,879,933, Cl. 83-76.100.
Jandrell, Louis H.: *See—*
  Ma, John Y.; and Jandrell, Louis H., 4,816,769, Cl. 329-50.000.
Jandu, Jaswinder S., to Motorola, Inc. Complementary voltage comparator. 4,868,417, 9-19-89, Cl. 307-355.000.
Jane Marie Flynn: *See—*
  Flynn, James P., 4,862,563, Cl. 24-442.000.
Jane S.A.: *See—*
  Cabagnero, Ramon J., 4,887,834, Cl. 280-642.000.
Janecke, James P., to Applied Power Inc. Compensated individual segment flow regulator. 4,889,161, 12-26-89, Cl. 137-596.000.

Janeil Corporation: *See—*
  Luly, Robert A., 4,801,945, Cl. 343-786.000.
Janeke, Charl E. Aerospace plane and engine therefor. 4,817,892, 4-4-89, Cl. 244-15.000.
Janes, Geoffrey G., to Armstrong Patents Co. Limited. Telescopic shock absorber construction. 4,880,087, 11-14-89, Cl. 188-322.160.
Janes, George S., to Avco Research Laboratory, Inc. Scanning beam laser pumped laser. 4,860,302, 8-22-89, Cl. 372-70.000.
Janes, John B.; and Anderson, Carson I. Trailer hitching aid. 4,799,705, 1-24-89, Cl. 280-477.000.
Janes, Norman F.: *See—*
  Elliott, Michael; Janes, Norman F.; and Elliott, Richard L., 4,827,051, Cl. 568-812.000.
  Elliott, Michael; Janes, Norman F.; and Elliott, Richard L., 4,847,438, Cl. 568-812.000.
  Elliott, Michael; Janes, Norman F.; and Khambay, Bhupinder P. S., 4,874,781, Cl. 514-463.000.
Janes, Richard, to Spalding & Evenflo Companies, Inc. Double inverted bridge tennis racket. 4,798,382, 1-17-89, Cl. 273-73.00C.
Janese, Woodrow W. Ring para-spinal retractor. 4,817,587, 4-4-89, Cl. 128-20.000.
Janesick, James R.; and Elliott, Stythe T., to California Institute of Technology. CCD imaging sensors. 4,798,958, 1-17-89, Cl. 250-370.010.
Janesick, James R.; and Elliott, Stythe T., to California Institute of Technology. Photosensor with enhanced quantum efficiency. 4,822,748, 4-18-89, Cl. 437-3.000.
Jang, Choong-Gook. Dry direct compression compositions for controlled release dosage forms. 4,882,167, 11-21-89, Cl. 424-468.000.
Jang, Jaw J. Steering wheel release locking mechanism. 4,811,580, 3-14-89, Cl. 70-218.000.
Jang, Lian-Sheng. Variable planetary transmission for a motorcycle or remote-control car. 4,827,799, 5-9-89, Cl. 74-752.00E.
Jang, Tzong-Shenq. Cigarette lighter with attachment device. 4,844,254, 7-4-89, Cl. 206-236.000.
Jang, Yeong F. Volume flow control device. 4,846,222, 7-11-89, Cl. 137-624.120.
Jangaard, Erling S., to Ruvo Automation Corporation. Door hinge applicator. 4,815,206, 3-28-89, Cl. 29-810.000.
Jangaard, Erling S., to Ruvo Automation Corporation. Method of applying a door hinge. 4,837,916, 6-13-89, Cl. 29-434.000.
Jangaard, Erling S., to Ruvo Automation Corporation. Method of applying a door hinge. 4,839,957, 6-20-89, Cl. 29-434.000.
Jangaard, Erling S., to Ruvo Automation Corp. Apparatus for moving a head member. 4,843,900, 7-4-89, Cl. 74-110.000.
Jani-Jack Limited: *See—*
  Bohacek, Jan, 4,881,290, Cl. 15-228.000.
Janiak, Jerzy S.; Turak, Ali A.; Pawlak, Wanda; and Ignasiak, Boleslaw L., to Electric Power Research Institute, Inc. Method for providing improved solid fuels from agglomerated subbituminous coal. 4,854,940, 8-8-89, Cl. 44-620.000.
Janiak, Robert A.; and Davene, Jean G., to Clecim. Process for the continuous melting of scrap in an electric direct-current furnace and electric furnace for carrying out the process. 4,805,186, 2-14-89, Cl. 373-79.000.
Janiak, Robert A.; and Davene , Georges J., to Clecim. Scrap-melting process and electric furnace for carrying out the process. 4,821,284, 4-11-89, Cl. 373-107.000.
Janiak, Robert A.; and Davene, Jean G., to Zenith Electronics Corporation. Electric direct-current scrap-melting furnace. 4,856,021, 8-8-89, Cl. 373-108.000.
Janiaud, Denis: *See—*
  Aubry, Jean-Pierre; Fragneau, Marc; Craveur, Jean-Charles; Janiaud, Denis; and Muller, Serge, 4,859,898, Cl. 310-353.000.
Janiaut, Herve: *See—*
  Fougeron, Charles; Fidon, Jean J.; and Janiaut, Herve, 4,849,184, Cl. 422-159.000.
Janicaud, Francois P.: *See—*
  Delpla, Claude A.; Limet, Henri D.; and Janicaud, Francois P., 4,819,867, Cl. 236-12.160.
Janiel, Peter A.: *See—*
  Gartner, Georg F.; Rau, Hans; and Janiel, Peter A., 4,883,362, Cl. 366-101.000.
Janik, Gloria; and Buentello, Manuello, III, to Dow Corning Corporation. Thermally stable organosiloxane compositions and method for preparing same. 4,801,642, 1-31-89, Cl. 524-714.000.
Janik, Jan: *See—*
  Jondro, Boleslaw; Janik, Jan; and Pyka, Herbert, 4,842,146, Cl. 209-455.000.
Janik, Leon P.: *See—*
  Hodgkins, David H.; and Janik, Leon P., 4,862,838, Cl. 123-41.350.
  Hodgkins, David H.; and Janik, Leon P., 4,876,990, Cl. 723-41.350.
Janik, Walter E.: *See—*
  Wise, David S.; and Janik, Walter E., 4,860,060, Cl. 355-41.000.
Janin, Claude: *See—*
  Villaine, Philippe; and Janin, Claude, 4,839,113, Cl. 264-28.000.
Janisch, Darrel R.; and Bernier, Fredric H., to Arctco, Inc. Idle detector for internal combustion engine. 4,862,850, 9-5-89, Cl. 123-198.0DC.
Janisch, Erich R., to Kunstoffe, Erich Janisch. Process for producing an electrically insulating sheathing around a junction between electrically conductive elements. 4,878,969, 11-7-89, Cl. 156-49.000.
Janiszewski, Connie J.: *See—*
  Raml, Nancy M.; and Janiszewski, Connie J., 4,804,351, Cl. 450-58.000.
Janiszewski, Grzegorz, to AB Volvo. Motor vehicle gearbox with one-way clutch in a selected gear. 4,811,655, 3-14-89, Cl. 74-331.000.
Janiszewski, Grzegorz, to AB Volvo. Motor vehicle clutch. 4,836,351, 6-6-89, Cl. 192-48.910.
Janiszewski, Grzegorz K., to AB Volvo. Motor vehicle gearbox with one-way clutch in first gear. 4,799,395, 1-24-89, Cl. 74-331.000.
Janiszewski, Gzegorz; Sahlmen, Thomas; and Nystrom, Mats, to Ab Volvo. Motor vehicle clutch for a mechanical, multiple-speed automatic transmission. 4,889,217, 12-26-89, Cl. 192-48.910.
Janka, Pentti; and Ruottu, Seppo, to Oy Tampella AB. Method for decreasing emissions of nitrogen oxides and sulfur oxides when burning fuels which contain nitrogen and sulfur. 4,824,360, 4-25-89, Cl. 431-7.000.
Janko, Michael; and McAllister, Matthew, to Alliko Unlimited, Corp. Illuminated article. 4,839,777, 6-13-89, Cl. 362-108.000.
Jankovsky, Peter. Portable, disassemblable stand for baseball bats and the like. 4,807,763, 2-28-89, Cl. 211-60.100.
Jankower, Laura J.; and Shipley, Larry W., to Advanced Polymer Systems, Inc. Controlled release formulating employing resilient microbeads. 4,873,091, 10-10-89, Cl. 424-489.000.
Jankowiak, Roman; and Lutocka, John A., Jr., to Conax Florida Corporation. Survival apparatus. 4,799,907, 1-24-89, Cl. 441-42.000.
Jankowski, Fred: *See—*
  Redmon, John W., Jr.; and Jankowski, Fred, 4,821,610, Cl. 81-322.000.
Jankowski, Mark D.: *See—*
  Quinlan, Robert L., Jr.; and Jankowski, Mark D., 4,795,209, Cl. 297-153.000.
Jankowski, Meinrad: *See—*
  Molitor, Paul-Rainer; Neumann, Bernhard; and Jankowski, Meinrad, 4,867,709, Cl. 439-675.000.
Jankowski, Richard B., to Allied-Signal, Inc. Test system for wheel bearings. 4,862,738, 9-5-89, Cl. 73-118.100.
Jankowski, Scott J.: *See—*
  Pyzik, Aleksander J.; Ott, Jack J.; and Jankowski, Scott J., 4,834,938, Cl. 419-6.000.
Jankowski, Vincent P., to R. H. Peterson Co. Fireplace burner apparatus with emberizing structure. 4,828,485, 5-9-89, Cl. 431-125.000.
Jankura, Bryan J.: *See—*
  Daum, Edward D.; Downs, William; Jankura, Bryan J.; and McCoury, John M., Jr., 4,856,352, Cl. 73-863.250.
Janle-Swain, Elsa M.: *See—*
  Ash, Stephen R.; and Janle-Swain, Elsa M., 4,854,322, Cl. 128-635.000.
Jann, P. C.: *See—*
  Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
Jannakos, Konstantin: *See—*
  Furrer, Jurgen; Jannakos, Konstantin; and Potgeter, Georg, 4,826,518, Cl. 55-484.000.
Jannard, James H. Multi-component sunglasses. 4,824,233, 4-25-89, Cl. 351-47.000.
Jannard, James H., to Oakley, Inc. Cylindrical lens for sunglasses. 4,859,048, 8-22-89, Cl. 351-159.000.
Jannard, James H., to Oakley, Inc. Toroidal lens for sunglasses. 4,867,550, 9-19-89, Cl. 351-47.000.
Jannasch, Norman E.: *See—*
  McAllister, Lawrence E.; and Jannasch, Norman E., 4,837,073, Cl. 428-212.000.
Jannborg, Bjorn, to Asea Brown Boveri AB. Industrial robot having a detachable electrical connection between housing on robot arm and tool holder. 4,830,569, 5-16-89, Cl. 414-729.000.
Jannelli, Ralph J.; Anderson, Larry W.; and Randall, Bruce E., to Process Systems, Inc. Optical communication apparatus and method for telephone supervisory and audio signals. 4,817,204, 3-28-89, Cl. 455-607.000.
Janney, David F. Cantilevered integral airfoil method. 4,874,031, 10-17-89, Cl. 164-76.100.
Janni, Albert S., to Duro-Last Roofing, Inc. Method of fabricating polymer-coated fabric outside corner pieces for single-ply polymer-coated fabric core roof membranes. 4,799,986, 1-24-89, Cl. 156-196.000.
Janni, Albert S., to Duro-Last Roofing, Inc. Corner pieces for single-ply polymer-coated fabric core roof membranes and the product thereby formed. 4,872,296, 10-10-89, Cl. 52-58.000.
Janniere, Alain; and Teisseire, Jean-Pierre, to ITT Industries, Inc. Miniaturized thermal contact breaker for printed circuit board. 4,868,535, 9-19-89, Cl. 337-68.000.
Janning, John L., to NCR Corporation. Crystallized silicon-on-insulator nonvolatile memory device. 4,876,582, 10-24-89, Cl. 357-23.500.
Jannitte, Patrick H.: *See—*
  Benessis, Philippe L.; and Jannitte, Patrick H., 4,860,394, Cl. 5-62.000.
Jannot, Marcel A. J.; and Patureau, Jean-Pierre, to Bertin & Cie. Apparatus for thermal treatments of thin parts such as silicon wafers. 4,857,704, 8-15-89, Cl. 219-354.000.
Jannotta, Anthony S. Lower back therapy device. 4,838,249, 6-13-89, Cl. 128-25.00R.
Jannotta, Louis J. Leak detector apparatus and method. 4,807,464, 2-28-89, Cl. 73-49.200.
Jannotta, Louis J. Float assembly checking system. 4,821,022, 4-11-89, Cl. 340-514.000.
Jannson, Joanna L.: *See—*
  Jannson, Tomasz P.; Jannson, Joanna L.; and Yeung, Peter C., 4,838,630, Cl. 350-3.700.

Jannson, Tomasz P.; Jannson, Joanna L.; and Yeung, Peter C., to Physical Optics Corporation. Holographic planar optical interconnect. 4,838,630, 6-13-89, Cl. 350-3.700.
Janocha, Siegfried; Crass, Guenther; Schloegl, Gunter; and Bothe, Lothar, to Hoechst Aktiengesellschaft. Opaque film for candy twist wrapping. 4,842,187, 6-27-89, Cl. 229-87.00F.
Janocha, Siegfried: *See—*
  Bothe, Lothar; Crass, Guenther; Janocha, Siegfried; and Schloegl, Gunter, 4,883,698, Cl. 428-35.900.
Janoff, Andrew S.; Bolcsak, Lois E.; Weiner, Alan L.; Tremblay, Paul A.; Bergamini, Michael V. W.; and Suddith, Robert L., to Liposome Company, Inc., The. Composition using salt form of organic acid derivative of alpha-tocopheral. 4,861,580, 8-29-89, Cl. 424-1.100.
Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., to Liposome Company, Inc., The. Dehydrated liposomes. 4,880,635, 11-14-89, Cl. 424-450.000.
Janome Sewing Machine Co., Ltd.: *See—*
  Ando, Takumi; and Kawasato, Takayuki, 4,876,977, Cl. 112-445.000.
  Hanyu, Susumu; and Koide, Akio, 4,862,816, Cl. 112-456.000.
  Hisatake, Michio; and Ishikawa, Satoru, 4,859,917, Cl. 388-815.000.
  Hisatake, Michio; Kongo, Takeshi; and Sasako, Hidenori, 4,869,184, Cl. 112-121.120.
  Hyodo, Tohru; and Kobayashi, Fumihiko, 4,867,088, Cl. 112-453.000.
  Hyodo, Toru, 4,869,188, Cl. 112-445.000.
  Kato, Kenji; and Okutani, Koji, 4,858,542, Cl. 112-121.120.
  Miyazaki, Kenichi; Iizuka, Toshiaki; and Asai, Koichi, 4,834,007, Cl. 112-121.110.
  Nomoto, Reishi, 4,825,784, Cl. 112-103.000.
  Orii, Akira; and Kongo, Takeshi, 4,841,206, Cl. 388-828.000.
  Orii, Akira; and Nakamura, Takashi, 4,887,307, Cl. 388-810.000.
  Orii, Akira, 4,889,062, Cl. 112-318.000.
  Sano, Yasuro, 4,881,478, Cl. 112-259.000.
Janotik, Adam M., to Ford Motor Company. Fluid damped acceleration sensor. 4,816,627, 3-28-89, Cl. 200-61.45M.
Janotik, Adam M., to Ford Motor Company. Acceleration sensor. 4,857,680, 8-15-89, Cl. 200-61.45R.
Janotik, Adam M.: *See—*
  Dixon, James R.; Gentle, Derek F.; Janotik, Adam M.; Kazyak, Lawrence P.; Mansour, Tahir M.; Papadakis, Emmanuel P.; and Stroberg, Gordon G., 4,868,968, Cl. 29-460.000.
  Stroberg, Gordon G.; Janotik, Adam M.; and Gentle, Derek F., 4,888,919, Cl. 49-502.000.
Janowicz, Andrew H., to Du Pont de Nemours, E. I., and Company. Molecular weight control in free radical polymerizations. 4,886,861, 12-12-89, Cl. 526-145.000.
Janowicz, Miroslaw. Outside mirror for motor vehicles with programmer means responsive to starting viewing angle. 4,834,522, 5-30-89, Cl. 350-637.000.
Janowitz, C. Michael. Threaded cap containing additive for containers. 4,832,230, 5-23-89, Cl. 222-80.000.
Janowitz, Pedro M.: *See—*
  Demm, Wendell W.; Taylor, Keith A.; Pollock, Ira G.; and Janowitz, Pedro M., 4,860,291, Cl. 371-27.000.
Jans, Aldo: *See—*
  Accattino, Andrea; and Jans, Aldo, 4,800,403, Cl. 346-140.00R.
Jans, Herbert, to Siemens Aktiengesellschaft. Circuit arrangement for telecommunications systems, particularly telephone switching systems, comprising information interrogating devices cyclically driving inquiry locations. 4,811,014, 3-7-89, Cl. 340-825.100.
Jans, Herbert; Brandmaier, Klaus; and Pohl, Siegfried, to Siemens Aktiengesellschaft. Circuit arrangement for telecommunications switching systems, particularly telephone switching systems, etc. 4,860,344, 8-22-89, Cl. 379-113.000.
Jansa, Bruno: *See—*
  Becker, Reinhard; and Jansa, Bruno, 4,883,242, Cl. 244-118.500.
Jansch, Manfred. Method and apparatus for detecting leaks. 4,838,073, 6-13-89, Cl. 73-40.700.
Jansch, Manfred, to Weatherford Oil Tool GmbH. Apparatus for testing the gas-tightness of joints between hollow bodies. 4,876,884, 10-31-89, Cl. 73-49.100.
Janse, Cornelis P.: *See—*
  Driessen, Leonardus M. H. E., Janse, Cornelis P.; and Lahaije, Paul D. M. E., 4,888,698, Cl. 364-443.000.
Jansen, Adolf E., to Douwes Vastgoed B.V. Sampler. 4,887,472, 12-19-89, Cl. 73-863.860.
Jansen, Benedictus J.: *See—*
  Kokelenberg, Hendrik E.; and Jansen, Benedictus J., 4,810,623, Cl. 430-448.000.
Jansen, Bernhard; Muller, Hanns P.; Richter, Roland; Schapel, Dietmar; and Schmidt, Rudolf, to Bayer Aktiengesellschaft. Method of impregnating. 4,810,536, 3-7-89, Cl. 427-421.000.
Jansen, Bernhard; Muller, Hanns P.; Richter, Roland; Schapel, Dietmar; and Schmidt, Rudolf, to Bayer Aktiengesellschaft. Impregnating agent and its use. 4,826,948, 5-2-89, Cl. 528-28.000.
Jansen, Cornelis J. A., to Hollandse Signaalapparaten B.V. System of orthogonal code generators, radios provided with a code generator and code generators on such a system. 4,872,200, 10-3-89, Cl. 380-34.000.
Jansen, Cornelis J. A., to U.S. Philips Corp. Enciphering/deciphering method and arrangement for performing the method. 4,890,324, 12-26-89, Cl. 380-43.000.
Jansen, Cornelis W., to DHV Raadgevend Ingenieursbureau B.V. Process for the removal of metals, in particular heavy metals, from waste water. 4,861,493, 8-29-89, Cl. 210-715.000.
Jansen, Dirk: *See—*
  Hartmann, Ulrich; Fessel, Reinhard; and Jansen, Dirk, 4,823,626, Cl. 74-5.340.
Jansen, Egbert, to Hoogovens Groep B.V. Method and apparatus for ironing the wall of a one-piece cylindrical body. 4,881,394, 11-21-89, Cl. 72-45.000.
Jansen, Frank; and Mort, Joseph, to Xerox Corporation. Imaging members with plasma deposited silicon oxides. 4,859,553, 8-22-89, Cl. 430-58.000.
Jansen, Frank: *See—*
  Badesha, Santokh S.; Grammatica, Steven J.; and Jansen, Frank, 4,855,201, Cl. 430-58.000.
  Kuhman, Daniel E.; Jansen, Frank; and Grammatica, Steven J., 4,885,220, Cl. 430-31.000.
Jansen, Frans H. J.; and De Cock, Etienne J., to B.V.B.A. Inpharm. Ibuprofen acid anhydrides and prodrug pharmaceutical composition containing the same. 4,863,965, 9-5-89, Cl. 514-576.000.
Jansen, Georg, to Akzo N.V. Process for lubricating and cleaning of bottle conveyor belts in the beverage industry. 4,839,067, 6-13-89, Cl. 252-11.000.
Jansen, Georg: *See—*
  Hass, Rudi; Jansen, Georg; and Kallen, Wilhelm, 4,832,107, Cl. 164-98.000.
Jansen, George A.; and Hinnen, Hans R., to Band-It-Idex, Inc. Clamping assembly with side entry connection of a clamp unit to a band. 4,887,334, 12-19-89, Cl. 24-23.00R.
Jansen, Gerardus J. C. M.: *See—*
  Malpas, Richard E.; Jansen, Gerardus J. C. M.; Honders, Anthonie; and Spijkerman, Johannes B. J., 4,824,541, Cl. 204-222.000.
Jansen, Gerardus L. M.; and Smulders, Henricus J., to U.S. Philips Corporation. Lens mounting for an electrodynamic device for recording on and/or scanning optical discs by means of a radiation spot, and method of manufacturing such a lens mounting. 4,798,447, 1-17-89, Cl. 350-255.000.
Jansen, Harald: *See—*
  Marijnissen, Johannes P. A.; Jansen, Harald; and Star, Willem M., 4,848,323, Cl. 128-6.000.
Jansen, Johann, to Ing. Alfred Schmidt GmbH. Snowplow. 4,843,744, 7-4-89, Cl. 37-232.000.
Jansen, Johannes; Mogendorf, Friedel; and Simon, Karl-Heinz, to SMS Schloemann-Siemag Aktiengesellschaft. Stand-supported bending device for axially slidable rolls of a multiroll rolling mill. 4,803,865, 2-14-89, Cl. 72-245.000.
Jansen, Johannes F. M. Trailer. 4,863,212, 9-5-89, Cl. 296-173.000.
Jansen, Johannes J.; Mossou, Bernardus H. F.; and Poort, Hans, to Cooperatieve Verkoop- en Productievereniging van Aardappelmeel en Derivaten 'AVEBE' B.A. Process for waterproofing starch binders. 4,873,147, 10-10-89, Cl. 428-533.000.
Jansen, Jozef, to Elgarden Aktiengesellschaft. Apparatus for connecting dental prostheses and drilling template for use therewith. 4,815,973, 3-28-89, Cl. 433-181.000.
Jansen, Martin, to Amtel, Inc. Adjustable fluid swivel. 4,828,292, 5-9-89, Cl. 285-93.000.
Jansen, Martin B. Bicycle mounted exercising device. 4,799,668, 1-24-89, Cl. 272-73.000.
Jansen, Matthys B. J., to Australian Design Marketing PTY., Ltd. Press forming sheet metal. 4,819,473, 4-11-89, Cl. 72-382.000.
Jansen, Michael: *See—*
  Simmons, William W.; Jansen, Michael; Wilcox, Jaroslava Z.; and Yang, Jane J., 4,868,839, Cl. 372-50.000.
  Yang, Jane J. J.; Simmons, William W.; Jansen, Michael; Wilcox, Jaroslava Z.; and Sergant, Moshe, 4,869,780, Cl. 156-643.000.
Jansen, Scott R.: *See—*
  Enochs, R. Scott; Jansen, Scott R.; Murphy, Daniel R.; Randall, Randy S.; and Roth Joanne, 4,818,056, Cl. 350-96.200.
Jansen, Ulrich; and Ott, Karl-Heinz, to Bayer Aktiengesellschaft. Terpolymer latices. 4,853,450, 8-1-89, Cl. 526-303.100.
Jansen, Winfrid B., to U.S. Philips Corp. Amplifier arrangement with controllable gain. 4,864,248, 9-5-89, Cl. 330-254.000.
Jansholt, Anne-Line: *See—*
  Vasquez, Tony E.; Bridges, Robert L.; Braunstein, Philip; and Jansholt, Anne-Line, 4,851,209, Cl. 424-1.100.
Janski, Alvin M.; and Drengler, Susan M., to International Minerals & Chemical Corp. Method for stabilizing somatotropins. 4,888,416, 12-19-89, Cl. 530-399.000.
Jansky, Jaroslav; and Temmesfeld, Angelika, to Temtec Fahrzeugtechnik Entwicklungsgesellschaft mbH. Self-closing fuel tank seal. 4,881,655, 11-21-89, Cl. 220-209.000.
Jansma, Donald; and Stemm, Howard W., to Bissell Health Care Corporation. Cigarette filter modifier. 4,856,540, 8-15-89, Cl. 131-339.000.
Jansma, Donald; and Stemm, Howard W., to Bissell Health Care Corporation. Cigarette holder with filter modifier, and related method. 4,877,040, 10-31-89, Cl. 131-189.000.
Janson, David A., to Eaton Corporation. Four wheel steering system. 4,860,845, 8-29-89, Cl. 180-140.000.
Janson, Gosta. Solar-energy collector. 4,803,972, 2-14-89, Cl. 126-450.000
Janson, Leroy W.: *See—*
  Acker, William L., III; Janson, Leroy W.; and Pirrami, Richard, 4,844,184, Cl. 175-323.000.
Janson, Richard W. Furniture assembly and assembly device. 4,846,078, 7-11-89, Cl. 108-111.000.

- Jansons, Viktors; Mazzanti, John B.; and Moore, Stephen, to Raychem Corporation. Preparation of poly(arylene ether ketones). 4,826,947, 5-2-89, Cl. 528-125.000.
- Jansons, Viktors; and Gors, Heinrich C., to Raychem Corporation. Preparation of 4,4'-diphenoxybenzophenone. 4,843,179, 6-27-89, Cl. 568-322.000.
- Jansons, Viktors; and Gors, Heinrich C., to Raychem Corporation. Preparation of aromatic oligomers. 4,879,366, 11-7-89, Cl. 528-125.000.
- Jansons, Viktors: *See—*
  - Dahl, Klaus J.; Jansons, Viktors; and Moore, Stephen, 4,808,693, Cl. 528-125.000.
  - Dahl, Klaus J.; Horner, Patrick J.; Gors, Heinrich C.; Jansons, Viktors; and Whiteley, Richard H., 4,868,271, Cl. 528-171.000.
  - Gors, Heinrich C.; Horner, Patrick J.; and Jansons, Viktors, 4,814,508, Cl. 568-309.000.
- Janssen, Adrian P., to STC PLC. Light source and detector packages. 4,874,217, 10-17-89, Cl. 350-96.200.
- Janssen, Alexander P.; and Loyd, Samuel A., Jr. Large frame visible index system. 4,864,753, 9-12-89, Cl. 40-535.000.
- Janssen, Alexander P. Disposable bags. 4,873,919, 10-17-89, Cl. 99-403.000.
- Janssen, Bernd; Karbach, Stefan; Recker, Hans-Gert; and Thyes, Marco, to BASF Aktiengesellschaft. Alpha, beta-substituted acroleins. 4,804,785, 2-14-89, Cl. 568-425.000.
- Janssen, Daniel J. G., to U.S. Philips Corp. Telecommunication system comprising a bus conductor and telecommunication stations connected to this bus conductor through transformers. 4,799,236, 1-17-89, Cl. 375-36.000.
- Janssen, Eduard J. P.; and Notelteirs, Victor R., to U.S. Philips Corporation. Electric cooking unit having an electric lamp with a helical filament contact with the lamp vessel wall. 4,857,709, 8-15-89, Cl. 219-464.000.
- Janssen, Gwen V.; and Rowland, Roy C. Hearing aid retention apparatus. 4,881,616, 11-21-89, Cl. 181-129.000.
- Janssen, Hermann-Josef, to Ing. Gureau Sonvico AG. Burner for burning liquid or gaseous fuels. 4,815,966, 3-28-89, Cl. 431-174.000.
- Janssen, Herve J. W.: *See—*
  - Janssen, Wilhelmus G. E.; and Janssen, Herve J. W., 4,855,960, Cl. 366-8.000.
- Janssen, James R., to Schlumberger Systems & Services, Inc. Multimarker, multi-destination timing signal generator. 4,795,984, 1-3-89, Cl. 328-75.000.
- Janssen, Johannes A.: *See—*
  - Weterings, Cornelis A. M.; and Janssen, Johannes A., 4,822,582, Cl. 423-321.00R.
- Janssen, Paul E.: *See—*
  - Chang, Shih-Jeh; Emery, Richard T.; Hakim, Shafik J.; Ho, Jen-Lie; Janssen, Paul E.; and McCullagh, Carol M., 4,818,984, Cl. 340-825.540.
- Janssen, Peter J. M., to U. S. Philips Corporation. Record carrier with an optically readable trackwise-arranged information structure. 4,839,882, 6-13-89, Cl. 369-275.000.
- Janssen, Petrus C. H.: *See—*
  - van den Nieuwelaar, Josephus A.; and Janssen, Petrus C. H., 4,815,168, Cl. 17-52.000.
- Janssen, Petrus C. M.: *See—*
  - v.d. Nieuwelaar, Josephus A.; and Janssen, Petrus C. M., 4,811,458, Cl. 17-11.10R.
- Janssen Pharmaceutica N.V.: *See—*
  - De Bruyn, Marcel F. L.; Van Lommen, Guy R. E.; and Lutz, William R., 4,878,940, Cl. 71-92.000.
  - de Jaeger, Nikolaas C. J.; Monbaliu, Marcel J.; Noppe, Marcus J. M.; and Konings, Frank J., 4,837,168, Cl. 436-533.000.
  - Heeres, Jan; Stokbroekx, Raymond A.; and Backx, Leo J. J., 4,861,879, Cl. 544-55.000.
  - Janssens, Frans E.; Torremans, Joseph L. G.; Hens, Jozef F.; and Van Offenwert, Theophilus T. J. M., 4,820,822, Cl. 546-118.000.
  - Janssens, Frans E.; Van Offenwert, Theophilus T. J. M.; Stokbroekx, Raymond A.; and Boar, Bernard R., 4,826,848, Cl. 514-258.000.
  - Janssens, Frans E.; Hens, Jozef F.; and Torremans, Joseph L. G., 4,835,161, Cl. 514-303.000.
  - Janssens, Frans E.; Kennis, Ludo E. J.; Hens, Jozef F.; Torremans, Joseph L. G.; and Diels, Gaston S. M., 4,839,374, Cl. 514-394.000.
  - Janssens, Frans E.; Torremans, Joseph L. G.; and Hens, Jozef F., 4,888,426, Cl. 546-118.000.
  - Kennis, Ludo E. J.; and Vandenberk, Jan, 4,804,663, Cl. 514-258.000.
  - Lutz, William R.; Verschueren, Wim G.; Fischer, Hanspeter; and Van Lommen, Guy R. E., 4,830,664, Cl. 71-92.000.
  - Lutz, William R.; Van Lommen, Guy R. E.; Sipido, Victor; and Verschueren, Wim G., 4,832,732, Cl. 71-92.000.
  - Muller, Bernd W. W., 4,870,060, Cl. 514-58.000.
  - Ooms, Leo A. A.; and Degryse, Anne-Dominique A. Y., 4,874,766, Cl. 514-258.000.
  - Raeymaekers, Alfons H. M.; and Freyne, Eddy J. E., 4,826,862, Cl. 514-388.000.
  - Raeymaekers, Alfons H. M.; Freyne, Eddy J. E.; and Sanz, Gerard C., 4,859,684, Cl. 514-314.000.
  - Stokbroekx, Raymond A.; Luyckx, Marcel G. M.; and Janssens, Frans E., 4,861,785, Cl. 514-321.000.
  - Van Daele, Georges H. P.; Vlaeminck, Freddy F.; and Verdonck, Marc G. C., 4,880,808, Cl. 514-255.000.
  - Van Lommen, Guy R. E.; Lutz, William R.; and Van Gestel, Jozef F. E., 4,813,998, Cl. 71-92.000.
  - Van Lommen, Guy R. E.; Sipido, Victor; Verschueren, Wim G.; and Lutz, William R., 4,824,472, Cl. 71-92.000.
  - Wals, Lourens; and Cooymans, Ludwig P., 4,824,853, Cl. 514-327.000.
- Janssen, Robert A., to Ciba-Geigy Corporation. Particulate hydroperoxidized poly-N-vinyl lactam, its preparation and use thereof. 4,833,196, 5-23-89, Cl. 524-533.000.
- Janssen, Robert I., to Padco, Inc. Flocked foam brush. 4,856,136, 8-15-89, Cl. 15-244.300.
- Janssen, Wilhelmus G. E.; and Janssen, Herve J. W. Process and apparatus for the preparation of mortars. 4,855,960, 8-8-89, Cl. 366-8.000.
- Janssens, Frans E.; Torremans, Joseph L. G.; Hens, Jozef F.; and Van Offenwert, Theophilus T. J. M., to Janssen Pharmaceutica N.V. Novel N-(bicyclic heterocyclyl)-4-piperidinamines. 4,820,822, 4-11-89, Cl. 546-118.000.
- Janssens, Frans E.; Van Offenwert, Theophilus T. J. M.; Stokbroekx, Raymond A.; and Boar, Bernard R., to Janssen Pharmaceutica N.V. Antidepressive substituted N-[(4-piperidinyl)alkyl] bicyclic condensed oxazol- and thiazolamines. 4,826,848, 5-2-89, Cl. 514-258.000.
- Janssens, Frans E.; Hens, Jozef F.; and Torremans, Joseph L. G., to Janssen Pharmaceutica N.V. Anti-histaminic compositions containing n-heterocyclyl-4-piperidinamines. 4,835,161, 5-30-89, Cl. 514-303.000.
- Janssens, Frans E.; Kennis, Ludo E. J.; Hens, Jozef F.; Torremans, Joseph L. G.; and Diels, Gaston S. M., to Janssen Pharmaceutica N.V. 4-((Bicyclic heterocyclyl)-methyl and -hetero)-piperidines. 4,839,374, 6-13-89, Cl. 514-394.000.
- Janssens, Frans E.; Torremans, Joseph L. G.; and Hens, Jozef F., to Janssen Pharmaceutica N.V. 1-(5-methyl-furan-2-ylmethyl)-N-(4-piperidinyl)imidazo [4,5-6]pyridine-2-amine. 4,888,426, 12-19-89, Cl. 546-118.000.
- Janssens, Frans E.: *See—*
  - Stokbroekx, Raymond A.; Luyckx, Marcel G. M.; and Janssens, Frans E., 4,861,785, Cl. 514-321.000.
- Janssens, Wilhelmus; Timmerman, Daniel M.; and Claeys, Daniel A., to Agfa-Gevaert, N.V. Polymeric phosphonium mordant and photographic element containing the same. 4,855,211, 8-8-89, Cl. 430-213.000.
- Janssens, Wilhelmus: *See—*
  - Timmerman, Daniel M.; Priem, Jan J.; and Janssens, Wilhelmus, 4,861,818, Cl. 524-460.000.
  - Vanmaele, Luc J.; and Janssens, Wilhelmus, 4,814,255, Cl. 430-213.000.
- Jansson, Bjorn G.: *See—*
  - Kullendorff, Anders N.; Jansson, Bjorn G.; and Olofsson, Jan I. 4,813,381, Cl. 122-4.00D.
- Jansson, Gunnel B.; and Holmlund, Erling S., to Pharmacia AB. Methods of carrying out assays for lipoproteins and apolipoproteins. 4,877,746, 10-31-89, Cl. 436-518.000.
- Jansson, Karl: *See—*
  - Magnusson, Hans G.; and Jansson, Karl, 4,871,837, Cl. 536-4.100.
- Jansz, Just J. C., to Shell Internationale Research Maatschappij B.V. Vandium recovery process. 4,849,189, 7-18-89, Cl. 423-64.000.
- Jantsch, Wolfgang; and Ferenczi, Gyorgy, to Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezet. Method for the examination of electrically active impurities of semiconductor materials or structures and measuring arrangement for carrying out the method. 4,839,588, 6-13-89, Cl. 324-158.00D.
- Jantunen, Arto O.: *See—*
  - Reunamaki, Pauli T.; and Jantunen, Arto O., 4,816,055, Cl. 65-114.000.
- Jantzen, Steven L. Mold assembly for pre-stressed concrete railroad ties. 4,812,113, 3-14-89, Cl. 425-111.000.
- Janulis, Eugene P., to Minnesota Mining and Manufacturing Company. Fluorine-containing chiral smectic liquid crystals. 4,886,619, 12-12-89, Cl. 252-299.100.
- Janus, Jonny. Belted tire for vehicles. 4,809,758, 3-7-89, Cl. 152-531.000.
- Janus, Jonny. Pneumatic tire having multi-part annular bead core. 4,811,772, 3-14-89, Cl. 152-540.000.
- Janus, Jonny; Vaubel, Gert; Klatzer, Stefan; and Beckmann, Gunter, to Benteler-Werke AG; and Janus, Jonny. Pneumatic tire bead core ring for anchoring a carcass. 4,817,696, 4-4-89, Cl. 152-540.000.
- Janusonis, Gaile A.; Jones, Ralph W.; Buntaine, James R.; Olm, Myra T.; and Eachus, Raymond S., to Eastman Kodak Company. Internally doped silver halide emulsions. 4,835,093, 5-30-89, Cl. 430-567.000.
- Janusz, Joseph. Eye shield and headband combination. 4,811,430, 3-14-89, Cl. 2-452.000.
- Janutta, Reinhard, to Korber AG. Fixture for workpieces. 4,836,518, 6-6-89, Cl. 269-43.000.
- Janutta, Reinhard; Hartmann, Franz; and Hinzmann, Gerd, to Korber AG. Machine tool. 4,878,319, 11-7-89, Cl. 51-271.000.
- Janz, Donald W., to Magnetic Peripherals Inc. Tri-phase servo pattern for providing information for positioning the transducers of a magnetic disk storage drive. 4,811,135, 3-7-89, Cl. 360-77.050.
- Janz, Donald W., to Magnetic Peripherals Inc. Method for writing a tri-phase servo pattern which provides information for positioning the transducers of a magnetic storage device. 4,864,434, 9-5-89, Cl. 360-55.000.
- Janz, Gerhard: *See—*
  - Sacco, Bruno; Gallitzendorfer, Josef; Klein, Michael V.; Janz, Gerhard; and Ernst, Alfred, 4,805,962, Cl. 297-454.000.
- Janz, Peter; and Gottschamel, Georg, to Treibacher Chemische Werke AG. α-Al_2O_3 abrasive material and method of preparing the same. 4,799,938, 1-24-89, Cl. 51-293.000.

- Jao, Tze-Chi; and Powers, William J., III, to Texaco Inc. Process for preparing overbased calcium sulfonates. 4,810,396, 3-7-89, Cl. 252-33.000.
- Jaouen, Claude: *See—*
  - Magnin, Guy; Magnin nee Champeaud, Marie-Francoise; Aubert, Veronique; and Jaouen, Claude, 4,834,915, Cl. 252-628.000.
- Japan Air Lines Co., Ltd.: *See—*
  - Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
- Japan Aircraft Mfg. Co., Ltd.: *See—*
  - Kohno, Masahiro; Obata, Akira; Kitamura, Takayuki; and Okazaki, Kakuma, 4,856,765, Cl. 267-166.000.
  - Kohno, Masahiro; Obata, Akira; Kitamura, Takayuki; and Okazaki, Kakuma, 4,856,765, Cl. 267-166.000.
  - Satoh, Shigeru; and Okazaki, Kakuma, 4,866,892, Cl. 52-108.000.
- Japan as represented by Director General of Agency of Industrial Science and Technology: *See—*
  - Akoi, Katsutoshi; Fujiwara, Shuzo; Tanaka, Katsumi; Kakudate, Yozo; Yoshida, Masatake; and Usuba, Shu, 4,864,004, Cl. 526-73.000.
  - Ebata, Yoshihiro; Kouyama, Masanori; Tamari, Nobuyuki; and Kawamoto, Takamichi, 4,857,486, Cl. 501-21.000.
  - Sata, Nobuhiro, 4,889,745, Cl. 427-12.000.
  - Yabe, Akira; Ouchi, Akihiko; Moriyama, Hiroshi; and Masuda, Etsuro, 4,875,986, Cl. 204-157.600.
- Japan as Represented by Director General, Technical Research and Development Institute, Japan Defense Agency: *See—*
  - Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuke; Ueda, Syuzo; and Karino, Seimei, 4,814,141, Cl. 420-109.000.
- Japan Association For International Chemical Information: *See—*
  - Tokizane, Soichi; and Chihara, Hideaki, 4,811,217, Cl. 364-300.000.
- Japan Atomic Energy Research Institute: *See—*
  - Kaetsu, Isao; Kumakura, Minoru; Suyama, Hidenari; Kameda, Nobuo; and Koyama, Hideo, 4,839,109, Cl. 264-1.400.
  - Kondo, Hitoshi; Kawamura, Hiroaki; Inagawa, Konosuke; Abe, Tetsuya; and Murakami, Yoshio, 4,844,323, Cl. 228-121.000.
  - Konishi, Satoshi; Nagasaki, Takanori; Yokogawa, Nobuhisa; and Naruse, Yuji, 4,859,427, Cl. 422-159.000.
  - Murakami, Hirohiko; Ogawa, Toru; and Fukuda, Kousaku, 4,885,147, Cl. 423-261.000.
  - Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.
- Japan Atomic Power Company, The: *See—*
  - Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
- Japan Automatic Transmission Co., Ltd.: *See—*
  - Kobayashi, Masayuki; and Takiguchi, Masahiro, 4,881,429, Cl. 74-867.000.
- Japan Aviation Electronics Industry, Limited: *See—*
  - Ebata, Genji; Tanabe, Koji; and Saito, Takahiro, 4,854,667, Cl. 350-96.200.
  - Ichimura, Yoshiaki; Ishizuka, Shinichi; Komoto, Mitsuo; and Umesato, Shoji, 4,880,399, Cl. 439-689.000.
  - Ichimura, Yoshiaki; Takegawa, Katumi; Mizusawa, Yoshinori; Komoto, Mitsuo; and Umesato, Shoji, 4,887,974, Cl. 439-259.000.
  - Nakano, Kenichi; Umezawa, Yoshihiro; Tokaichi, Tetsuro; Ichimura, Yoshiaki; and Kawabe, Natsuki, 4,857,001, Cl. 439-68.000.
  - Noda, Atsuhito; Ichimura, Yoshiaki; Komoto, Mitsuo; and Umesato, Shoji, 4,832,611, Cl. 439-70.000.
  - Okada, Kenichi, 4,883,358, Cl. 356-350.000.
  - Sakuma, Kazuhiro; Itoh, Hirohito; Kazou, Mitsuaki; and Kuramoto, Kenji, 4,854,169, Cl. 73-517.00B.
  - Sakuma, Kazuhiro; Fukumoto, Yasuhiko; and Tomioka, Akihiro, 4,887,467, Cl. 73-517.00B.
  - Suzuki, Takao; and Uekido, Kouzou, 4,883,429, Cl. 439-74.000.
- Japan Butyl Co., Ltd.: *See—*
  - Yamada, Kunio; Miyazaki, Kohzoh; Oowatari, Yoshitaka; Egami, Yoshio; and Honma, Toshio, 4,808,484, Cl. 428-522.000.
- Japan Carlit Co., Ltd., The: *See—*
  - Seki, Ichiro; Kano, Morinosuke; Fujii, Akihiko; Kano, Akihiro; and Isa, Isao, 4,829,028, Cl. 501-105.000.
- Japan Cotton Technical and Economic Research Institute of Mengyokaikan: *See—*
  - Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.
- Japan Crown Cork Co., Ltd.: *See—*
  - Doi, Kouichi, 4,880,127, Cl. 215-252.000.
  - Kano, Yuji; Okamura, Tsurusaburo; Fukushi, Seiji; and Kinoshita, Fumio, 4,848,599, Cl. 222-402.000.
- Japan Electronic Control Systems Company, Limited: *See—*
  - Araki, Akihiko, 4,870,935, Cl. 123-422.000.
  - Nakaniwa, Shinpei, 4,870,938, Cl. 123-489.000.
  - Nakaniwa, Shinpei; and Uchikawa, Akira, 4,878,473, Cl. 123-489.000.
  - Nakaniwa, Shinpei, 4,883,038, Cl. 123-436.000.
  - Nakaniwa, Shinpei; Otani, Seiichi; Hamada, Toru; Osaki, Masanobu; Hoshino, Yukio; and Tomisawa, Naoki, 4,889,100, Cl. 123-492.000.
  - Tomisawa, Naoki, 4,844,026, Cl. 123-422.000.
  - Tomisawa, Naoki, 4,850,326, Cl. 123-489.000.
  - Tomisawa, Naoki, 4,854,287, Cl. 123-489.000.
  - Tomisawa, Naoki, 4,875,456, Cl. 123-585.000.
  - Tomisawa, Naoki, 4,881,505, Cl. 123-480.000.
  - Tomishawa, Naoki, 4,889,099, Cl. 123-489.000.
  - Uchikawa, Akira, 4,854,288, Cl. 123-489.000.
- Japan Exlan Company Limited: *See—*
  - Kobashi, Toshiyuki; and Naka, Hideo, 4,873,352, Cl. 556-105.000.
  - Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; Takao, Seiji; and Takagi, Jun, 4,865,790, Cl. 264-131.000.
  - Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; and Takao, Seiji, 4,871,501, Cl. 264-211.220.
  - Sugiura, Akira; Sawanishi, Shigeru; and Ogawa, Noboru, 4,818,458, Cl. 264-182.000.
  - Tanaka, Kojii, 4,873,143, Cl. 428-373.000.
- Japan Gore-Tex, Inc.: *See—*
  - Sakai, Mari, 4,803,078, Cl. 424-445.000.
- Japan Hydrazine Co., Inc.: *See—*
  - Hojo, Shiro; Hasegawa, Yoichi; and Hirai, Takeo, 4,855,501, Cl. 564-314.000.
- Japan Liquid Crystal Co., Ltd.: *See—*
  - Ichiro, Shibanai, 4,847,151, Cl. 428-389.000.
  - Shibanai, Ichiro, 4,871,541, Cl. 424-411.000.
  - Shibanai, Ichiroh; and Shimizu, Sakae, 4,808,396, Cl. 423-579.000.
- Japan M&C Trading Co., Ltd.: *See—*
  - Akazawa, Toyo, 4,836,460, Cl. 241-247.000.
- Japan Marine Science & Technology Center: *See—*
  - Ishii, Shin-ichi; Kai, Gentaroh; Hara, Toshiaki, and Nakano, Iwao, 4,805,160, Cl. 367-134.000.
- Japan Medical Supply Co., Ltd.: *See—*
  - Ikada, Yoshito; Gen, Shokyu; Kawai, Tatsuya; and Matsuda, Takashi, 4,844,067, Cl. 128-335.500.
  - Okada, Masao; Sakai, Kazuhiko; Kimura, Haruo; and Ikada, Yoshito, 4,878,907, Cl. 623-1.000.
- Japan National Oil Corp.: *See—*
  - Yamaguchi, Masayoshi; and Hagihara, Toshio, 4,828,353, Cl. 350-96.210.
- Japan Oil Engineering Company, Ltd.: *See—*
  - Wada, Sabro, 4,866,939, Cl. 60-641.200.
- Japan Organo Co., Ltd.: *See—*
  - Iwatsuka, Takeshi; and Kasai, Toshio, 4,886,601, Cl. 210-321.790.
  - Tamura, Makio, 4,832,839, Cl. 210-188.000.
- Japan Oxygen Co., Ltd.: *See—*
  - Konagaya, Yoshiaki; Tanaka, Tooru; Takaine, Masami; and Tsubouchi, Toshihiro, 4,801,437, Cl. 423-210.000.
  - Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,593, Cl. 65-18.400.
  - Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,594, Cl. 65-18.400.
  - Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,595, Cl. 65-18.400.
  - Seki, Koji; Morishita, Hiroshi; Ohno, Kiyoshi; and Yokota, Hiroshi, 4,871,695, Cl. 501-54.000.
- Japan Pionics, Ltd.: *See—*
  - Tanaka, Shunji, 4,817,597, Cl. 128-205.170.
- Japan Silicon Co., Ltd.: *See—*
  - Ishii, Keiichi; Tsutsumi, Yukio; Saeki, Kazunori; and Koyama, Mitsuji, 4,851,263, Cl. 427-240.000.
- Japan Spectroscopic Co., Ltd.: *See—*
  - Inoue, Yasuo; and Ikeda, Takeshi, 4,802,760, Cl. 356-31.000.
- Japan Steel Works, Ltd., The: *See—*
  - Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
  - Kato, Masashi; and Yokota, Akira, 4,832,883, Cl. 264-40.100.
  - Yoshino, Yuichi, 4,838,960, Cl. 148-135.000.
- Japan Styrene Paper Corporation: *See—*
  - Akiyama, Hiroyuki; Sudo, Yoshimi; Kishida, Masahiko; and Nishida, Mitsuru, 4,806,293, Cl. 264-53.000.
  - Akiyama, Hiroyuki; Izawa, Susumu; Kuwabara, Hideki; and Yamaguchi, Toru, 4,889,671, Cl. 264-53.000.
  - Kuwabara, Hedeki; Kitagawa, Atusi; and Kanbe, Masato, 4,822,542, Cl. 264-50.000.
  - Kuwabara, Hideki; and Yoshimura, Shohei, 4,840,973, Cl. 521-58.000.
  - Wakabayashi, Kouichi; Shimoyashiki, Nobuyoshi; and Adachi, Akira, 4,810,316, Cl. 156-78.000.
- Japan Synthetic Rubber Co., Ltd.: *See—*
  - Atomori, Seiichi; Inagaki, Teruo; Furuyama, Tateki; and Kamiya Akira, 4,839,410, Cl. 524-281.000.
  - Fujimaki, Tatsuo; and Oshima, Noboru, 4,866,131, Cl. 525-96.000.
  - Hara, Yasuo; Oashi, Ryuji; Kawahara, Yoshitaka; and Takeuchi, Mikio, 4,861,931, Cl. 585-363.000.
  - Itoh, Tetsuo; Satoh, Noboru; Takahashi, Kazuhiko; Suminoe, Taro; and Shimizu, Takao, 4,882,403, Cl. 526-24[illegible]00.
  - Kasai, Kiyoshi; Hattori, Masayuki; Takeuchi, Hiromi; and Sakurai, Nobuo, 4,798,691, Cl. 264-47.000.
  - Kasai, Kiyoshi; Hattori, Masayuki; Shimizu, Tatsuya; and Tadenuma, Hiroshi, 4,828,955, Cl. 430-111.000.
  - Kondo, Shigeo; Yasuda, Naoshi; Nagata, Masaki; and Sotomura, Tadashi, 4,810,599, Cl. 429-191.000.
  - Koshiba, Mitsunobu; Yamada, Keiichi; Harita, Yoshiyuki; Kawamura, Shin'ichi; and Furuto, Yuuji, 4,886,565, Cl. 156-345.000.

Mawatari, Masaaki; Itoh, Tetsuo; Tsuchikawa, Syuji; and Kimura, Shinichi, 4,839,425, Cl. 525-92.000.
Miyabavashi, Toshio; Sakabe, Nobuyuki; and Zen, Shinichiro, 4,861,851, Cl. 526-255.000.
Mori, Yoji; Kawamura, Yoshiaki; Matsumoto, Hironori; and Takemura, Yasuhiko, 4,849,478, Cl. 525-211.000.
Nagai, Hisao; Nakagawa, Yuzi; Oomura, Katsurou; and Kimura, Shinichi, 4,814,388, Cl. 525-322.000.
Nagata, Masaki; Yasuda, Naoshi; Kondo, Shigeo; and Sotomura, Tadashi, 4,828,945, Cl. 429-191.000.
Oshima, Noboru; Chikatsu, Yoshishige; Fukuhori, Toshiaki; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,812,525, Cl. 525-232.000.
Takemura, Yasuhiko; Zen, Shinichiro; Zama, Yoshiaki; and Enyo, Hiroji, 4,822,654, Cl. 428-36.800.
Tosaki, Chikao, 4,829,830, Cl. 73-847.000.
Tsuda, Yusuke; Kurata, Takashi; Suzuki, Yoshinobu; and Yamamoto, Yuji, 4,877,835, Cl. 525-67.000.
Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.
Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Shimada, Noboru; Fujinaga, Yoshihisa; Oshima, Noboru; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,824,908, Cl. 525-99.000.
Yamada, Kinji; Nagata, Masaki; Suyama, Siniti; and Okamura, Momoko, 4,830,672, Cl. 106-287.190.

Japan Tobacco Inc.: *See—*
Hanada, Mikio; and Kobayashi, Hideki, 4,827,691, Cl. 53-151.000.
Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, 4,815,481, Cl. 131-94.000.
Hirose, Ichiro; Tani, Shichisei; Inamura, Motonori; and Koyama, Takashi, 4,861,324, Cl. 493-48.000.
Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, 4,883,078, Cl. 131-280.000.
Honda, Sumio; Ogata, Taizo; and Etani, Tadao, 4,876,839, Cl. 53-137.000.
Kumata, Katsuhiko; Endo, Isao; and Nishikimoto, Taro, 4,821,746, Cl. 131-282.000.
Matsumoto, Takashi; Okada, Takashi; and Mizusaki, Sigenobu, 4,841,055, Cl. 546-261.000.
Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,810,825, Cl. 568-840.000.
Matsushita, Hajime; Shibagaki, Makoto; Takahashi, Kyoko; and Kuno, Hideyuki, 4,841,075, Cl. 549-341.000.
Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,847,424, Cl. 568-484.000.
Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,871,858, Cl. 546-244.000.
Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,880,937, Cl. 546-344.000.
Miyake, Yasuhiko; and Manzawa, Katsuyuki, 4,836,220, Cl. 460-130.000.
Mizusaki, Sigenobu; Matsushita, Hajime; Ishiguro, Shigeo; Ichinose, Hiroshi; and Izumi, Akira, 4,877,909, Cl. 568-880.000.
Muto, Yoshiyuki; Sakakibara, Kouzou; Iwata, Yasuo; and Chiba, Shigesaburo, 4,848,691, Cl. 242-58.100.
Ogata, Taizo; Takahashi, Toyoharu; and Koshiba, Kenji, 4,878,982, Cl. 156-361.000.
Okumoto, Yutaka, 4,836,221, Cl. 131-84.100.
Okumoto, Yutaka; and Furukawa, Takao, 4,860,773, Cl. 131-281.000.
Okumoto, Yutaka; Arakawa, Toyomi; and Katoh, Mamoru, 4,867,734, Cl. 493-48.000.
Shigeta, Toshio; Muto, Yoshiyuki; and Etani, Tadao, 4,840,320, Cl. 242-58.000.
Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi; and Mizusaki, Shigenobu, 4,845,065, Cl. 502-74.000.
Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.
Tateno, Atsushi; and Mashiko, Kimio, 4,889,144, Cl. 131-337.000.
Tetaka, Kenju, 4,805,643, Cl. 131-311.000.

Japan Vic Service, Co., Ltd.: *See—*
Takeda, Toshio, 4,813,247, Cl. 68-18.00C.

Japan Vilene Company, Ltd.: *See—*
Sumii, Yoshiyuki; and Toda, Sumio, 4,830,900, Cl. 428-195.000.

Japanese Foundation for Cancer Research: *See—*
Taniguchi, Tadatsugu; Sugano, Haruo; Nishi, Tatsunari; Vilcek, Jan T.; and Yip, Yum K., 4,835,256, Cl. 530-351.000.
Yoshida, Mitsuaki; Sugano, Haruo; Shimizu, Fumio; and Imagawa, Kenichi, 4,804,746, Cl. 530-387.000.

Japanese Red Cross Society, The: *See—*
Sasakawa, Shigeru; and Shiba, Masayuki, 4,880,786, Cl. 514-53.000.

Japanese Research and Development Association for Bioreactor System, The: *See—*
Motai, Hiroshi; Fukushima, Yaichi; Fukase, Tetsuro; and Itoh, Harumichi, 4,879,235, Cl. 435-225.000.

Jape, Anthony D.: *See—*
Nicholson, Robert J.; and Jape, Anthony D., 4,856,642, Cl. 198-365.000.

Japikse, Cornelis H.: *See—*
Baird, James C.; Japikse, Cornelis H.; Quigley, Steven F.; and Simpson, Edward J., 4,846,359, Cl. 215-12.200.

Japuntich, Daniel A., to Minnesota Mining and Manufacturing Company. High efficiency respirator. 4,827,924, 5-9-89, Cl. 428-206.120.

Japuntich, Daniel A., to Minnesota Mining and Manufacturing Company. Method of forming a high efficiency respirator. 4,883,547, 11-28-89, Cl. 156-73.400.

Japuntich, Daniel A.: *See—*
Brostrom, Gerald M.; Japuntich, Daniel A.; and Yard, Sabrina M., 4,886,058, Cl. 128-206.120.

Jaqua, David L., to Vetco Gray Inc. Modular riser tensioner incorporating integral hydraulic cylinder accumulator units. 4,799,827, 1-24-89, Cl. 405-195.000.

Jaques, Bernard; and Chatelain, Francis, to Montres Rado S.A. Bracelet comprising a flexible core. 4,821,532, 4-18-89, Cl. 63-3.000.

Jaquez, Ramiro. Random character selector. 4,807,881, 2-28-89, Cl. 273-144.00B.

Jaquith, Hope; Jaquith, Kent; and Jaquith, William. Coupling device. 4,884,322, 12-5-89, Cl. 24-241.0PS.

Jaquith, Kent: *See—*
Jaquith, Hope; Jaquith, Kent; and Jaquith, William, 4,884,322, Cl. 24-241.0PS.

Jaquith, William: *See—*
Jaquith, Hope; Jaquith, Kent; and Jaquith, William, 4,884,322, Cl. 24-241.0PS.

Jaraczewski, Richard; and Plaia, Mark E., to Devices for Vascular Intervention, Inc. Guiding catheter. 4,817,613, 4-4-89, Cl. 128-658.000.

Jarai, Miklos: *See—*
Seres, Gabor; Jarai, Miklos; Piukovich, Sandor; Szigetvari nee Gabanyi, Maria; and Szejtli, Jozsef, 4,835,105, Cl. 435-97.000.

Jaramillo, Giovanni: *See—*
Schultz, Charles A.; Marko, Paul D.; and Jaramillo, Giovanni, 4,803,447, Cl. 333-103.000.

Jaran, John R.: *See—*
Ray, Robert; Neal, Robert A.; Jaran, John R.; and Parker, Tim, 4,875,581, Cl. 206-328.000.

Jarboe, Enos D., Jarboe, Rodney D.; and Barclay, Edward M., to Futura Coatings, Inc. Method of molding an artifcial urethane rock. 4,847,026, 7-11-89, Cl. 264-467.000.

Jarboe, Rodney D.: *See—*
Jarboe, Enos D.; Jarboe, Rodney D.; and Barclay, Edward M., 4,847,026, Cl. 264-467.000.

Jardin, Inc.: *See—*
Israel, Benjamin, 4,796,395, Cl. 52-86.000.

Jarecki, James J.: *See—*
Radocha, Michael J.; and Jarecki, James J., 4,813,535, Cl. 206-44.120.

Jaret, Robert S.: *See—*
Cannon, Richard K.; and Jaret, Robert S., 4,867,310, Cl. 206-387.000.

Jarl, Andersson: *See—*
Jan-Ove, Bergqvist; Ebbe, Nilsson; and Jarl, Andersson, 4,804,040, Cl. 165-78.000.

Jarl, Bernt; and Gustafsson, Tore, to Aktiebolaget Bygg-Och Transportekonomi (BT). Arrangement in industrial trucks. 4,805,710, 2-21-89, Cl. 180-38.020.

Jarman, Philip S.: *See—*
Coulson, Wayne C. S.; Jarman, Philip S.; and Collinge, Gary E., 4,848,703, Cl. 244-137.100.

Jarman, Thomas B., to Renishaw plc. Datuming of analogue measurement probes. 4,875,177, 10-17-89, Cl. 364-559.000.

Jarmon, David C.; and Prewo, Karl M., to United Technologies Corporation. Rotor for a gas turbine engine. 4,808,076, 2-28-89, Cl. 416-230.00A.

Jarnagin, Jerry D.; and Dawson, Dennis W., to Safe Aire, Inc. Method and apparatus for collecting and discharging radon gas and fluids. 4,798,034, 1-17-89, Cl. 52-169.500.

Jarnholm, Arne R.: *See—*
Dvorscek, John; Rostoker, William; and Jarnholm, Arne R., 4,802,995, Cl. 210-761.000.
Rostoker, William; Bonini, Julius J.; and Jarnholm, Arne R., 4,829,152, Cl. 219-78.020.

Jarnott, Frank T.; and Norwood, Leslie S., to Scott Bader Company Limited. Sectional storage tanks. 4,838,449, 6-13-89, Cl. 220-5.00A.

Jarolimek, Zdenek: *See—*
Burysek, Frantisek; Jirka, Bohuslav; Jarolimek, Zdenek; and Fuj. Ludvik, 4,883,231, Cl. 242-35.50A.

Jaron, William: *See—*
Lesley, Arthur M.; and Jaron, William, 4,854,726, Cl. 374-45.000.

Jaros, Frantisek: *See—*
Kotrba, Zdenek; Jaros, Frantisek; Burysek, Frantisek; Kubovy, Miloslav; Hejduk, Jiri; and Bures, Pavel, 4,852,340, Cl. 57-301.000.

Jarosch, Berthold: *See—*
Ludwig, Albert; Philipp, Karl-Heinz; Hartl, Gerhard; Jarosch, Berthold; and Greger, Horst, 4,844,230, Cl. 194-335.000.

Jarosch, George W.: *See—*
Barthel, Richard C.; Malone, Peter J.; Orth, Charles D.; and Jarosch, George W., 4,848,100, Cl. 62-212.000.

Jarosch, Josef: *See—*
Fritsch, Horst; and Jarosch, Josef, 4,865,528, Cl. 417-388.000.

Jaroschek, Hans-Joachim; Rorig, Hans; and van Brederode, Hendrik, to Akzo, N.V. Fabric softening composition and detergent-composition comprising the same. 4,851,138, 7-25-89, Cl. 252-88.000.

Jarosky, John R. Serving ensemble for holding hot cooked meat. 4,871,082, 10-3-89, Cl. 220-22.000.

Jaroszczyk, Tadeusz: *See—*
Tofsland, Kenneth M.; Morgan, Jeffrey S.; Gryttenholm, Eric G.; and Jaroszczyk, Tadeusz, 4,878,929, Cl. 55-486.000.

Jarowenko, Wadym: *See—*
Solarek, Daniel B.; Dirscherl, Teresa A.; Hernandez, Henry R.; and Jarowenko, Wadym, 4,876,336, Cl. 536-109.000.

Jarratt, Robert V., Jr.: *See—*
Flint, Bruce K.; Fancy, Robert D.; and Jarratt, Robert V., Jr., 4,815,842, Cl. 356-73.000.

Jarreau, Francois-Xavier; and Koenig, Jean-Jacques, to Norwich Eaton Pharmaceuticals, Inc. Novel 14-amino steroids. 4,885,280, 12-5-89, Cl. 514-26.000.

Jarred, Ronald L. Fused electrical receptacle. 4,887,975, 12-19-89. Cl. 439-490.000.

Jarrell, Bruce E.: *See—*
Carabasi, R. Anthony; Jarrell, Bruce E.; and Williams, Stuart K., 4,883,755, Cl. 435-240.200.
Williams, Stuart K.; and Jarrell, Bruce E., 4,820,626, Cl. 435-1.000.

Jarrell, Lester L., to Chemtronics. Laser pulse modulator. 4,815,086, 3-21-89, Cl. 372-38.000.

Jarrell, Loyd E. Orthopedic seat. 4,824,169, 4-25-89, Cl. 297-230.000.

Jarrell, Stephen E. Screed track for concrete slab construction. 4,841,704, 6-27-89, Cl. 52-396.000.

Jarrett, Adrian, to Plessey Overseas Limited. Amplifier gain control circuit arrangements. 4,849,712, 7-18-89, Cl. 330-283.000.

Jarrett, Adrian E., to Plessey Overseas Limited. Variable bandwidth filter. 4,888,502, 12-19-89, Cl. 307-520.000.

Jarrett, Eugene L.: *See—*
Cavender, Keith D.; Derderian, Edmond J.; Jarrett, Eugene L.; and Nielsen, Kenneth A., 4,882,107, Cl. 264-51.000.

Jarrett, Frank A.; and Frimmel, Maria. One-hand operable cosmetic container. 4,804,286, 2-14-89, Cl. 401-59.000.

Jarrett, Frank N.; and Munch, John E., Jr., to Modine Manufacturing Company. Mixed helix turbulator for heat exchangers. 4,798,241, 1-17-89, Cl. 165-109.100.

Jarrett, Jawrence P., to Air Products and Chemicals, Inc. Remotely controlled operator for gas cylinder valve. 4,872,482, 10-10-89, Cl. 137-554.000.

Jarrett, Kenneth B., to Deltaglass SA. Safety glass laminates. 4,824,722, 4-25-89, Cl. 428-430.000.

Jarrett, Peter K.: *See—*
Casey, Donald J.; Rosati, Louis; Jarrett, Peter K.; and Lehmann, Leonard T., 4,857,602, Cl. 525-408.000.

Jarrett, Steven M.: *See—*
Johnson, Richard H.; Kykta, Martin A.; and Jarrett, Steven M., 4,827,334, Cl. 358-60.000.

Jarrin, Jacques; Robine, Magali; and Durand, Jean-Pierre, to Institut Francais du Petrole. Copolymer compositions derived from unsaturated triazines. 4,882,404, 11-21-89, Cl. 526-261.000.

Jarschel, Rainer: *See—*
Schonfeld, Harald; Jarschel, Rainer; and Frank, Helmut, 4,803,882, Cl. 73-462.000.

Jarski, Edmund J.: *See—*
Morris, Joseph H.; Jarski, Edmund J.; and Harris, Gregory E., 4,828,454, Cl. 415-48.000.

Jartoo, Odon S.: *See—*
Bohus, Peter; Bihari, Ferenc; Kertesz nee Szabo, Marianna; Kuronya, Istvan; Boros, Peter; Szulagyi, Janos; Meszaros, Jeno; Eifert, Gyula; Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos, Laszlo, 4,806,151, Cl. 71-111.000.

Jarvenkyla, Jyri, to Uponor N.V. Method and an apparatus for the extrusion of plastic pipes. 4,865,797, 9-12-89, Cl. 264-508.000.

Jarvenkyla, Jyri; and Carlsson, Ingemar, to Uponor N.V. Apparatus and a method for the production of ribbed pipes. 4,867,928, 9-19-89, Cl. 264-508.000.

Jarvenkyla, Jyri, to Oy Uponor AB. Method for the formation of a hole in a plastic pipe. 4,873,048, 10-10-89, Cl. 264-504.000.

Jarvik, Robert, to Symbion, Inc. Artificial ventricle. 4,863,461, 9-5-89, Cl. 623-3.000.

Jarvik, Robert K.; and Campbell, Patrick K., to Symbion, Inc. Multiple-electrode intracochlear device. 4,832,051, 5-23-89, Cl. 128-784.000.

Jarvinen, Gordon D.: *See—*
Smith, Barbara F.; Jarvinen, Gordon D.; and Ryan, Robert R., 4,867,951, Cl. 423-9.000.

Jarvinen, Jouko K.: *See—*
Reunamaki, Pauli T.; and Jarvinen, Jouko K., 4,881,962, Cl. 65-104.000.

Jarvis, Allan P., Jr., to Damon Biotech, Inc. Microencapsulation with polymers. 4,803,168, 2-7-89, Cl. 435-240.220.

Jarvis, J. Michael. Distribution frame board. 4,829,564, 5-9-89, Cl. 379-327.000.

Jarvis, Laurance: *See—*
Howarth, Walter J.; and Jarvis, Laurance, 4,845,421, Cl. 324-61.00R.

Jarvis, Louis P.; Brundage, Michael T.; and Atwater, Terrill B., to United States of America, Army. Magnesium/manganese dioxide electrochemical cell. 4,869,980, 9-26-89, Cl. 429-202.000.

Jarvis, Patrick. Sway bar for all terrain vehicle. 4,842,298, 6-27-89, Cl. 280-689.000.

Jarvis, Patrick T. Steerable roller skate. 4,838,564, 6-13-89, Cl. 280-11.280.

Jarvis, Ralph C. Self-locking garage door operator. 4,827,667, 5-9-89, Cl. 49-280.000.

Jarvis, Ronald P.: *See—*
Welander, Bo C.; Ohlin, Tommy C. K.; and Jarvis, Ronald P., 4,888,099, Cl. 204-95.000.

Jarvis, Wilbur W.; and Smith, John I., to Whirlpool Corporation. Automatic dishwasher with a pump having a selectively adjustable impeller clearance. 4,822,241, 4-18-89, Cl. 415-132.000.

Jarvis, Wilbur W.: *See—*
Bertsch, Roger J.; Jarvis, Wilbur W.; and Dingler, Geoffrey L., 4,848,382, Cl. 134-111.000.

Jarvstrat, Goran, to Asea Stal AB. Method in fluidized bed combustion. 4,860,693, 8-29-89, Cl. 122-4.00D.

Jarwala, Najmi T.; and Pradhan, Dhiraj K., to United States of America, Air Force. Easily testable high speed architecture for large RAMS. 4,833,677, 5-23-89, Cl. 371-21.000.

Jarzebowicz, Richard Z., to Flow Systems, Inc. Nozzle attachment for abrasive fluid-jet cutting systems. 4,817,874, 4-4-89, Cl. 239-434.000.

Jarzyna, Peter: *See—*
Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens, George T.; and Marsh, Richard A., 4,828,082, Cl. 192-3.300.

Jasa, Paul B.: *See—*
Dinkha, Brian I.; Jasa, Paul B.; Seegmiller, Brian; and Simmons, Alden C., 4,850,278, Cl. 102-501.000.

Jaschkowitz, Michael: *See—*
Eibner, Robert; Jaschkowitz, Michael; Kloth, Bernhard; Kohl, Wilhelm; and Merks, Siegfried, 4,863,051, Cl. 215-261.000.

Jasenak, James R., to Mobay Corporation. Novel polyisocyanate mixture. 4,822,517, 4-18-89, Cl. 252-182.210.

Jasenof, Kenneth E.: *See—*
Higginbotham, Clark A.; Jasenof, Kenneth E.; and Smyrniotis, John, 4,835,018, Cl. 427-380.000.

Jasik, Karen A. Jewelry holding device. 4,848,586, 7-18-89, Cl. 206-566.000.

Jasinski, Leon: *See—*
Oliwa, Gary A.; and Jasinski, Leon, 4,868,560, Cl. 340-825.440.
Siwiak, Kazimierz; Jasinski, Leon; and Steel, Francis R., 4,825,193, Cl. 340-311.100.
Siwiak, Kazimierz; Jasinski, Leon; and Steel, Francis R., 4,875,038, Cl. 340-825.440.

Jasinski, Raymond J., to Cities Service Oil and Gas Corporation. Corrosion probe and method for measuring corrosion rates. 4,840,719, 6-20-89, Cl. 204-404.000.

Jasinski, Raymond J., to Cities Service Oil and Gas Corporation. Corrosion probe and method for measuring corrosion rates. 4,863,572, 9-5-89, Cl. 204-1.00T.

Jasiolek, Gabriel: *See—*
Piekarczyk, Wladyslaw; Berkowski, Marek; Jasiolek, Gabriel; Ryba-Romanowski, Witold; and Chabiera, Mieczyslaw, 4,820,445, Cl. 252-301.40R.

Jaskiewicz, Edmund M.: *See—*
Fleischner, Albert M., 4,818,520, Cl. 424-61.000.

Jaskowski, Michael C., to Helmic, Inc. Nonwoven fibrous insulation material. 4,847,140, 7-11-89, Cl. 428-220.000.

Jaskunas, S. Richard, to Eli Lilly and Company. Expression vectors for use in *E. coli*. 4,874,703, 10-17-89, Cl. 435-252.330.

Jasmagy, Clarence W., Jr. Drink container holder. 4,844,400, 7-4-89, Cl. 248-311.200.

Jasmer, Wolfgang E.: *See—*
Kruger, Johann E. W.; Killat, Ulrich R. P.; and Jasmer, Wolfgang E., 4,868,812, Cl. 370-56.000.

Jason, Barry L., to Motorola, Inc. Variable gain transconductance amplifier and variable bandwidth filter. 4,881,043, 11-14-89, Cl. 330-252.000.

Jason Empire, Inc.: *See—*
Addy, Donald E.; and Saper, Byron M., 4,848,887, Cl. 350-550.000.

Jason, Inc.: *See—*
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Jason International, Inc.: *See—*
Jacuzzi, Remo; and Smith, Eugene C., 4,852,190, Cl. 4-192.000.

Jasper, Edward P.; and Truckenbrod, Thomas G., to HCC, Inc. Harvester reel tine and bat assembly. 4,882,899, 11-28-89, Cl. 56-220.000.

Jasper, Joseph C.: *See—*
Cordea, James N.; Jasper, Joseph C.; and Sheth, Harshad V., 4,822,556, Cl. 420-59.000.

Jasper, Jr. Louis J., to United States of America, Army. Electromagnetic railgun/injector. 4,833,965, 5-30-89, Cl. 89-8.000.

Jasper, Louis J., Jr., to United States of America, Army. Electromagnetic launcher with cryogenic cooled superconducting rails. 4,813,332, 3-21-89, Cl. 89-8.000.

Jasper, Louis J., Jr. Traveling wave tube oscillator/amplifier with superconducting RF circuit. 4,820,688, 4-11-89, Cl. 505-855.000.

Jasper, Louis J., Jr., to United States of America, Army. Projectile with a detachable header for electromagnetic launcher. 4,831,913, 5-23-89, Cl. 89-8.000.

Jasper, Louis J., Jr., to United States of America, Army. Electromagnetic injector/railgun. 4,840,106, 6-20-89, Cl. 89-8.000.

Jasper, Louis J., Jr., to United States of America, Army. Electromagnetic injector/railgun. 4,854,215, 8-8-89, Cl. 89-8.000.

Jasper, Louis J., Jr., to United States of America, Army. Superconductive levitated armatures for electromagnetic launchers. 4,858,511, 8-22-89, Cl. 89-8.000.

Jasper, Louis J., Jr., to United States of America, Army. Electromagnetic launcher with cryogenic cooled superconducting rails. 4,858,512, 8-22-89, Cl. 89-8.000.

Jasper, Louis J., Jr.: *See—*
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Jasper, Thomas E.: *See—*
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Jasper, Warren J., to Hughes Aircraft Company. Method and apparatus for optical nutation sensing. 4,802,767, 2-7-89, Cl. 356-350.000.

Jaspers, Cornelis A. M.: *See—*

Bremmer, Jacob G.; and Jaspers, Cornelis A. M., 4,802,011, Cl. 358-213.150.

Jasperson, Stephen: *See—*

Maxwell, Georges A.; and Jasperson, Stephen, 4,809,433, Cl. 30-254.000.

Jastrzebski, Lubomir L.; Looney, Gary W.; and Patterson, David L., to General Electric Company. High temperature annealing to improve SIMOX characteristics. 4,824,698, 4-25-89, Cl. 427-255.000.

Jastrzebski, Lubomir L.: *See—*

Harbeke, Guenther; and Jastrzebski, Lubomir L., 4,805,187, Cl. 374-123.000.

Jasty, Murali: *See—*

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Jasys, Vytautas J., to Pfizer Inc. Process for preparing sultamicillin and analogs. 4,868,297, 9-19-89, Cl. 540-319.000.

Jaszlits, Laszlo: *See—*

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Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.

Jatho, Ralf; Hintz, Gerhart; and Keller, Guenter, to Carl Schenck AG. Method and apparatus for measuring deformations of test samples in testing machines. 4,836,031, 6-6-89, Cl. 73-800.000.

Jaton, Jean-Philippe, to Bobst SA. Device for feeding sheets into a processing machine. 4,844,436, 7-4-89, Cl. 271-34.000.

Jatteau, Michel R., to U.S. Philips Corporation. Scintillation camera processing circuitry. 4,860,205, 8-22-89, Cl. 364-413.240.

Jatteau, Michel R.; Lelong, Pierre H.; Pauzat, Vincent; and Plard, Christian, to U.S. Philips Corp. Scintillation camera having simplified electronic control. 4,881,171, 11-14-89, Cl. 364-413.240.

Jau, Bruno M., to California Institute of Technology. Hand-held robot end effector controller having movement and force control. 4,795,296, 1-3-89, Cl. 414-5.000.

Jauch, Christian M., to Sunbeam Corporation. Mechanical interval timer with calibration means. 4,849,951, 7-18-89, Cl. 368-89.000.

Jauch, Kurt. Multistation working machine. 4,833,763, 5-30-89, Cl. 29-38.00C.

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Jaunin, Roland; and Ramuz, Henri, to Hoffmann-La Roche Inc. Dihydropyridine derivatives. 4,847,273, 7-11-89, Cl. 514-347.000.

Jaunin, Roland: *See—*

Branca, Quirico; Jaunin, Roland; Maki, Hans P.; Marti, Franzi; and Ramuz, Henri, 4,808,605, Cl. 514-394.000.

Jaurand, Guy: *See—*

George, Pascal; Allen, John; Jaurand, Guy; and De Peretti, Daniele, 4,847,263, Cl. 514-300.000.

Jauregui, Hugo O., to Rhode Island Hospital. Implantable prosthetic device with lectin linked endothelial cells. 4,795,459, 1-3-89, Cl. 623-1.000.

Jauregui, Luis H., to Zenith Electronics Corporation. Dual operating speed switchover arrangement for CPU. 4,821,229, 4-11-89, Cl. 364-900.000.

Jaussi, Francois: *See—*

El-Nashar, Ibrahim; Jaussi, Francois; Kirchhofer, Hubert; Komauer, Christian; Mayer, Andreas; Perevuznik, Josef; and Spinnler, Fritz, 4,796,595, Cl. 123-559.200.

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Fiege, Helmut; Jautelat, Manfred; and Arlt, Dieter, 4,824,975, Cl. 549-511.000.

Fiege, Helmut; Jautelat, Manfred; and Arlt, Dieter, 4,871,484, Cl. 260-408.000.

Jager, Gerhard; Jautelat, Manfred; Arlt, Dieter; Reinecke, Paul; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,865, Cl. 514-399.000.

Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.

Javaherian, Hossein, to General Motors Corporation. Adaptive spark timing controller for an internal combustion engine. 4,867,123, 9-19-89, Cl. 123-425.000.

Javaherian, Hossein, to General Motors Corporation. Adaptive spark timing controller for an internal combustion engine. 4,867,124, 9-19-89, Cl. 123-425.000.

Javan, Ali, to Laser Science, Inc. System for generating stable laser pulses. 4,815,085, 3-21-89, Cl. 372-32.000.

Javan, Ali, to Laser Science, Inc. Generation of stable frequency radiation at an optical frequency. 4,817,099, 3-28-89, Cl. 372-32.000.

Javan, Ali, to Laser Science, Inc. System for generating a stable optical frequency. 4,841,529, 6-20-89, Cl. 372-32.000.

Javan, Ali, to Laser Science, Inc. Multiple beam gas laser and method. 4,864,587, 9-5-89, Cl. 372-97.000.

Javidi, Bahram, to Board of Trustees operating Michigan State University. Joint transform image correlation using a nonlinear spatial light modulator at the fourier plane. 4,832,447, 5-23-89, Cl. 350-162.130.

Javme, Richard, to Electricite De France. Electric heating device having a metal sheath. 4,862,137, 8-29-89, Cl. 338-237.000.

Javor, Andres: *See—*

Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.

Javorik, Laszlo J.; and Puskas, Peter J., to Ultrasonic Power Corporation. Ultrasonic cleaning apparatus with phase diversifier. 4,836,684, 6-6-89, Cl. 366-114.000.

Jaw, Horng-Chang. Nozzle for inflatable objects. 4,823,831, 4-25-89, Cl. 137-223.000.

Jaw, Wewi Shyan, to Yow Yeh Plastic Co., Ltd. Computer disc packing box. 4,844,260, 7-4-89, Cl. 206-444.000.

Jawernycky, Ronald G.: *See—*

Zucker, Myron; Jawernycky, Ronald G.; Lowenstein, Michael Z.; and Park, Gerald L., 4,818,947, Cl. 324-57.0DE.

Zucker, Myron; and Jawernycky, Ronald G., 4,849,849, Cl. 361-92.000.

Jaworowski, Mark R.; and Gruver, Gary A., to United Technologies Corporation. Method for monitoring the removal of a metallic contaminant from the surface of a metallic article. 4,886,552, 12-12-89, Cl. 134-27.000.

Jaworski, Marlene H.: *See—*

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Harrigan, Linda M.; and Jaworski, Marlene H., 4,853,996, Cl. 5-494.000.

Jaworski, Richard C.: *See—*

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Jaworski, Robert J.: *See—*

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Jaworski, Walter: *See—*

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Jaworski, William R. Unitized hydrotherapy jet and pump assembly. 4,853,987, 8-8-89, Cl. 4-542.000.

Jaxial, Inc.: *See—*

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Jay Advertising, Inc.: *See—*

Pawlik, James P.; and Erdell, Margaret A., 4,833,454, Cl. 340-545.000.

Jay, Danford A.: *See—*

Jay, Steven P., 4,854,165, Cl. 73-168.000.

Jay, Eric C., to Jay Medical, Ltd. Protective seat cushion. 4,842,330, 6-27-89, Cl. 297-4.000.

Jay, Jeffrey L., to Scherping Systems, Inc. Hygenienic shaft seal for a food processing vat. 4,861,044, 8-29-89, Cl. 277-24.000.

Jay, Jerry L., Jr.; and Cottrell, Ben. Pneumatic desedimentation machine. 4,858,632, 8-22-89, Cl. 134-57.00R.

Jay Medical, Ltd.: *See—*

Jay, Eric C., 4,842,330, Cl. 297-4.000.

Jay R. Smith Mfg. Co.: *See—*

Buehler, Stephen L; and Donaldson, Jeffrey L., 4,844,116, Cl. 137-360.000.

Jay, Steven P., to Jay, Danford A. Apparatus for testing electrical components. 4,854,165, 8-8-89, Cl. 73-168.000.

Jay, Thomas L.: *See—*

Schutrum, Walter L.; and Jay, Thomas L., 4,803,484, Cl. 340-870.020.

Jay, Walter L.: *See—*

Rasmussen, David H.; and Jay, Walter L., 4,867,736, Cl. 493-413.000.

Jayakrishnan, A.: *See—*

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Jayakumar, Raghavan, to General Electric Company. Compensation coil for temporal drift of a superconducting magnet. 4,812,7 3-14-89, Cl. 335-299.000.

Jayapalan, Jay P.: *See—*

Donaghue, Norman J., Jr.; Jayapalan, Jay P.; and Salcedo, Rafael E., 4,835,769, Cl. 370-85.000.

Jayawant, Madhusudan D., to Du Pont de Nemours, E. I., and Company. Destruction of nitrophenols. 4,804,480, 2-14-89, Cl. 210-759.000.

Jayawant, Madhusudan D., to Du Pont de Nemours, E. I., and Company. Magnesium ions in a process for alkaline peroxide treatment of nonwoody lignocellulosic substrates. 4,859,283, 8-22-89, Cl. 162-78.000.

Jaycox, Donald F.: *See—*

Kupferschmidt, Albert; Greene, Trace D.; and Jaycox, Donald F., 4,812,942, Cl. 361-119.000.

Jaye, Michael; Burgess, Wilson; Maciag, Thomas; and Drohan, William, to Rorer Biotechnology, Inc. Recombinant DNA vector encoding human endothelial cell growth factor. 4,868,113, 9-19-89, Cl. 435-70.000.

Jaye, Michael C.: *See—*

Sobel, Mark E.; Liotta, Lance A.; Wewer, Ulla M.; Jaye, Michael C.; and Drohan, William N., 4,861,710, Cl. 435-6.000.

Jayfro Corporation: *See—*

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Jayne, Gilbert. Load supporting rack for attachment to pick-up truck box. 4,867,497, 9-19-89, Cl. 296-3.000.

Jayne, William. All surface image forming system. 4,839,666, 6-13-89, Cl. 346-75.000.

Jaynes, Craig B.: *See—*

Abu-Isa, Ismat A.; Eusebi, Elio; Jaynes, Craig B.; Moran, Susan C.; and Roy, Michael A., 4,842,257, Cl. 267-133.000.

Abu-Isa, Ismat A.; Eusebi, Elio; and Jaynes, Craig B., 4,845,169, Cl. 525-444.000.

Abu-Isa, Ismat A.; Jaynes, Craig B.; and Larson, Arthur L., 4,869,554, Cl. 297-452.000.

Jazco International, Inc.: *See—*

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Jazdzewski, Joan M.: *See—*

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JBI Corporation: *See—*

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JBS Associates, Inc.: *See—*

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JD-Technologie AG: *See—*

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Jdid, El A.: *See—*

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Jeambey, Calhoun G. System for recovery of petroleum from petroleum impregnated media. 4,817,711, 4-4-89, Cl. 166-248.000.

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Jean, Buford R.; Newton, Richard W.; Warren, Gary L.; and Clark, Billy V., to CannonBear, Inc. Sensor and method for ullage level and flow detection. 4,833,918, 5-30-89, Cl. 73-290.00V.

Jean, Buford R.; Newton, Richard W.; Blanchard, Andrew J.; Clark, Billy V.; and Warren, Gary L., to Idea, Inc. Radar tank gauge. 4,847,623, 7-11-89, Cl. 342-124.000.

Jean, Jyh-Jian; and Jean, Jyh-Perng, to Jean, Jyh-Jian. Straight through type muffler for generating the exhaust flow from an internal combustion engine. 4,841,728, 6-27-89, Cl. 60-312.000.

Jean, Jyh-Perng: *See—*

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Jean-Louis, Louis J.; and Jean-Louis, Sylvia L. Natural sleeping pill to prevent and alleviate insomnia. 4,833,154, 5-23-89, Cl. 514-419.000.

Jean-Louis, Sylvia L.: *See—*

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Jean-Luc, Jacob: *See—*

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Jean, Marielle. Bathroom panel. 4,878,530, 11-7-89, Cl. 160-211.000.

Jean, San B. Handle bar socket with air blowing and sounding function. 4,843,905, 7-4-89, Cl. 74-551.900.

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Geisthoff, Hubert, 4,802,326, Cl. 56-10.300.

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Rugen, Hermann; Frackenpohl, Alfred; and Herchenbach, Paul, 4,865,134, Cl. 172-450.000.

Jeandaud, Jean-Claude. Granule dispensing apparatus, particularly designed for a tube of homoepathic drugs, and method for the utilization thereof. 4,848,593, 7-18-89, Cl. 221-207.000.

Jeandey, Christian: *See—*

Briguet, Andre; Chaillout, Jean-Jacques; and Jeandey, Christian, 4,833,410, Cl. 324-318.000.

Jeandupeux, Hubert. Carpet-knotting apparatus. 4,804,214, 2-14-89, Cl. 289-17.000.

Jeanes, Thomas O., to Dow Chemical Company, The. Gas separation membranes derived from polycarbonates, polyesters, and polyestercarbonates containing tetrafluorobisphenol F. 4,851,014, 7-25-89, Cl. 55-16.000.

Jeanes, Thomas O., to Dow Chemical Company, The. Gas separation membranes from bisphenol AF polycarbonates and polyestercarbonates. 4,874,401, 10-17-89, Cl. 55-16.000.

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Jeanjean, Robert; Demissy, Daniel; and Landry, Michel, to Cegelec Industrie Inc. Sulfur hexafluoride high-tension circuit-breaker having high performance at any temperature. 4,829,149, 5-9-89, Cl. 200-148.00E.

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Jeanne, Francis; Lombard, Serge; and Schmidt, Emmanuel, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Solid compositions based on superoxides having high ionic conductivity, their method of manufacture, and their electrochemical applications. 4,801,359, 1-31-89, Cl. 204-1.00T.

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Jeans, Edward L., to Cadbury Schweppes, Plc. Carbonating apparatus. 4,804,112, 2-14-89, Cl. 222-129.100.

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Jeanson, Guy: *See—*

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Jeanson, Henri R., to Jimecal. Shock absorber for vehicles with pneumatic suspension, more especially for heavy vehicles. 4,834,088, 5-30-89, Cl. 188 299.000.

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Jeantin, Philippe: *See—*

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Jeavons, Philip S., to Rockwell Automotive Body Components (UK) Ltd. Vehicle door latch. 4,824,152, 4-25-89, Cl. 292-216.000.

Jebens, Robert W., to General Electric Company. Fresnel lens concentrator. 4,799,778, 1-24-89, Cl. 350-452.000.

Jecevicus, Anthony S. Top water fishing lure. 4,831,764, 5-23-89, Cl. 43-42.250.

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Jechel, Kurt E.; and Schutzler, Jerome C., to PDA Engineering. Glass laminated structure injection molding and laminating apparatus. 4,806,191, 2-21-89, Cl. 156-382.000.

Jeco Company Limited: *See—*

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Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanaka, Akira, 4,872,439, Cl. 123-518.000.

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Jedick, Andrew L., to Diamond Products, Inc. Portable rotary power saw. 4,840,431, 6-20-89, Cl. 299-39.000.

Jedlicka, Josef E.; Page, Kimberly R.; Perregaux, Alain E.; and Wilczak, Fred F., Jr., to Xerox Corporation. Method of fabricating image sensor dies for use in assembling arrays. 4,814,296, 3-21-89, Cl. 437-226.000.

Jedlinski, Zbigniew; and Kotas, Antoni. Segmented polymers and a method of producing them. 4,833,215, 5-23-89, Cl. 525-437.000.

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Jeerings, Donald I.; and Linders, John R. High impedance fault analyzer in electric power distribution. 4,851,782, 7-25-89, Cl. 324-520.000.

Jeerings, Donald I.; and Linders, John R. High impedance fault analyzer in electric power distribution networks. 4,871,971, 10-3-89, Cl. 324-509.000.

Jeff, Martin: *See—*

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Jefferies, Steven R.; and Huang, Chin-Teh, to Dentsply Research & Development Corp. Method and composition for detecting dentin. 4,875,858, 10-24-89, Cl. 433-226.000.

Jefferies, Steven R.: *See—*

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Hare, Pamela H.; and Jefferies, Steven R., 4,846,165, Cl. 128-156.000.

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Jeffers, John M.: *See—*

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Jeffers, Robert E.: *See—*
Wolters, Richard H.; Thoeming, Gerald A.; and Jeffers, Robert E., 4,870,908, Cl. 108-60.000.
Jefferson, Carl M.: *See—*
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McVay, David R.; Carter, Lawrence D.; Jonasky, John D.; and Jefferson, Chris A., 4,872,939, Cl. 156-354.000.
Jefferson International: *See—*
Braverman, Melvin; and Lazar, Joseph, 4,881,336, Cl. 40-530.000.
Jefferson, Robert C. Gauge for determining depth of cut in keys and the like. 4,875,294, 10-24-89, Cl. 33-539.000.
Jeffery, James E.; Kozlik, Antonin; and Wilmhurst, Eric C., to Boots Company plc, The. Therapeutic agents. 4,806,570, 2-21-89, Cl. 514-646.000.
Jeffery, James E.; Kozlik, Antonin; and Wilmshurst, Eric C., to Boots Company PLC, The. Therapeutic agents. 4,814,352, 3-21-89, Cl. 514-646.000.
Jeffery, James E.: *See—*
Armitage, Bernard J.; Housley, John R.; Jeffery, James E.; and Johnston, David N., 4,833,143, Cl. 514-255.000.
Jeffrey, Frank R.: *See—*
Jacobson, Richard L.; Jeffrey, Frank R.; and Westerberg, Roger K., 4,841,908, Cl. 118-718.000.
Jacobson, Richard L.; Jeffrey, Frank R.; and Westerberg, Roger K., 4,874,631, Cl. 427-39.000.
Jeffrey, Gaines C., to Dow Chemical Company, The. Method and composition for the removal of hydrogen sulfide from gaseous streams. 4,816,238, 3-28-89, Cl. 423-226.000.
Jeffrey, Gaines C., to Dow Chemical Company, The. Method and composition for the removal of hydrogen sulfide and carbon dioxide from gaseous streams. 4,871,468, 10-3-89, Cl. 252-190.000.
Jeffrey Martin, Inc.: *See—*
Rosenthal, Murray W., 4,863,722, Cl. 424-49.000.
Jeffrey, Robert F., to J & D Wilkie Limited. Thermal camouflage fabric. 4,879,171, 11-7-89, Cl. 428-259.000.
Jeffreys, Keith. Multi-purpose strap-type wrench. 4,848,192, 7-18-89, Cl. 81-64.000.
Jeffreys, Lyman W., to AMSTED Industries Incorporated. Pouring tank and track transfer assembly. 4,825,772, 5-2-89, Cl. 104-247.000.
Jeffries, Alfred T., III, to Olin Hunt Specialty Products, Inc. Light-sensitive 1,2-naphthoquinone-2-diazide-4-sulfonic acid monoesters of cycloalkyl substituted phenol and their use in light-sensitive mixtures. 4,797,345, 1-10-89, Cl. 430-165.000.
Jeffries, Alfred T., III: *See—*
Blakeney, Andrew J.; Jeffries, Alfred T., III; and Sarubbi, Thomas R., 4,837,121, Cl. 430-192.000.
Jeffries, James R.; and Verheyen, Michael R., to Caterpillar Inc. Glow plug alternator control. 4,858,576, 8-22-89, Cl. 123-145.00A.
Jeffries-Nakamura, Barbara: *See—*
Williams, Roger M.; Bankston, Clyde P.; Cole, Terry; Khanna, Satish K.; Jeffries-Nakamura, Barbara; and Wheeler, Bob L., 4,820,596, Cl. 429-50.000.
Jeffs, David G., to ECC International Limited. Inorganic fillers coated with latex. 4,800,103, 1-24-89, Cl. 427-221.000.
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Jessop, Paul M.; and Jeffs, David H., 4,874,102, Cl. 215-273.000.
Jefson, Martin R.; Kaneda, Jeiji; Nishiyama, Satoshi; and Tone, Junsukse, to Pfizer Inc. N-demethylefrotomycin. 4,847,245, 7-11-89, Cl. 514-54.000.
Jefson, Martin R.; and McGuirk, Paul R., to Pfizer Inc. Anti-bacterial substituted bridged-diazabicycloalkyl quinolone carboxylic acids. 4,861,779, 8-29-89, Cl. 514-249.000.
Jego, Gerard; Lacan, Guy; Thierry, Jean-Pierre; and Verdenne, Serge, to La Telemecanique Electrique. Current tapping device disconnectable from an omnibus bar distribution column. 4,823,231, 4-18-89, Cl. 361-331.000.
Jehanno, Nicole: *See—*
Junino, Alex; Lang, Gerard; Jehanno, Nicole; and Vandenbosche, Jean J., 4,797,129, Cl. 8-407.000.
Junino, Alex; Lang, Gerard; Jehanno, Nicole; and Vandenbosche, Jean J., 4,845,293, Cl. 564-441.000.
Junino, Alex; Jehanno, Nicole; and Lang, Gerard, 4,863,482, Cl. 8-429.000.
Junino, Alex; Lang, Gerard; and Jehanno, Nicole, 4,888,445, Cl. 564-441.000.
Jehanno, Philippe: *See—*
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Jehle, Franz; Konig, Martin; and Wolfle, Erwin, to Licentia Patent-Verwaltungs-GmbH. Radar arrangement. 4,881,077, 11-14-89, Cl. 342-26.000.
Jehring, Thomas D.: *See—*
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Jekat, Herbert: *See—*
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Weber, Markus; Ryser, Andreas; and Jeker, Rene, 4,878,352, Cl. 62-51.100.
Jekot, David E.; and Jordan, Harold W., to Phillips & Brooks, Inc. Deformable membrane keypad assembly for public telephones. 4,862,499, 8-29-89, Cl. 379-368.000.
Jelalian, Albert V.; Keene, Wayne H.; and Freedman, Nathan, to Raytheon Company. AM-FM laser. 4,846,571, 7-11-89, Cl. 356-5.000.
Jelalian, Albert V.: *See—*
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Jelatis, Demetrius G.: *See—*
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Jelfs, Stewart D.: *See—*
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Jelic, Marinko. Double-bore capillary-tube gas discharge lamp with an envelope window transparent to short wavelength light. 4,810,924, 3-7-89, Cl. 313-609.000.
Jelich, Klaus; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, to Bayer Aktiengesellschaft. Triazolo-pyrimidine-2-sulphonamides having herbicidal utility. 4,854,964, 8-8-89, Cl. 71-92.000.
Jelich, Klaus; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, to Bayer Aktiengesellschaft. Isothiazole and Isoxazole derivatives. 4,864,029, 9-5-89, Cl. 548-247.000.
Jelich, Klaus; Gayer, Herbert; Kramer, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, to Bayer Aktiengesellschaft. Herbicidal agents. 4,874,424, 10-17-89, Cl. 71-105.000.
Jelich, Klaus: *See—*
Gayer, Herbert; and Jelich, Klaus, 4,841,086, Cl. 558-301.000.
Gayer, Herbert; Jelich, Klaus; Lunkenheimer, Winfried; Brandes, Wilhelm; and Hanssler, Gerd, 4,886,833, Cl. 514-521.000.
Jelinek, Horst, to Siemens Aktiengesellschaft. Pyrolysis system. 4,840,129, 6-20-89, Cl. 110-229.000.
Jelinek, Jan, to ELITEX koncern textilniho strojirenstvi. Thread cutting device. 4,887,440, 12-19-89, Cl. 66-145.00S.
Jelinek, Vaclav, to SSMC Inc. Fabric easing drum. 4,886,006, 12-12-89, Cl. 112-313.000.
Jelks, James W., to Technology Research & Development, Inc. Method of manufacturing a pelletized fuel. 4,828,573, 5-9-89, Cl. 44-158.000.
Jellinek, Karl; Meier, Bert; Herzog, Rolf; and Reinsch, Gunter, to Rutgerswerke AG. Polyglycidyl ethers from purified epihalohydrin. 4,831,101, 5-16-89, Cl. 528-87.000.
Jellinek, Karl; Meier, Bert; and Zehrfeld, Jurgen, to Rutgerswerke AG. Composite materials of multilayer duroplastic prepregs. 4,839,229, 6-13-89, Cl. 428-413.000.
Jellinek, Thomas; and Bain, Gregory C., to Commonwealth Scientific and Industrial Research Organization. Acrylic emulsion copolymers. 4,810,751, 3-7-89, Cl. 524-811.000.
Jellovitz, John C.: *See—*
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Jenbacher Werke Aktiengesellschaft: *See—*
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Jencks, Davis C., to New England Overseas Corporation, Inc. Circular warp knit composite cord. 4,838,043, 6-13-89, Cl. 66-170.000.
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Jendryschik, Jurgen: *See—*
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Jeneric/Pentron, Inc.: *See—*
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Jeney, Josef, to Maschinenfabrik Andritz Actiengesellschaft. Process for the purification of waste gases containing hydrochloric acid and sulphur dioxide. 4,874,591, 10-17-89, Cl. 423-240.000.

Jeng, Horng-tsair. Numbering guessing game structure. 4,811,953, 3-14-89, Cl. 273-265.000.
Jeng, Jiin N. Adjustable box wrench. 4,809,570, 3-7-89, Cl. 81-185.000.
Jeng, Lih. Sound illustrated book having page indicator circuit. 4,809,246, 2-28-89, Cl. 434-317.000.
Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, to Telecommunications Laboratories Dir. Gen'l of Telecom. Ministry of Communications. Chinese multifont recognition system based on accumulable stroke features. 4,850,026, 7-18-89, Cl. 382-21.000.
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Jenkins, David P., to British Steel Corporation. Control of reactants in chemical engineering systems. 4,825,353, 4-25-89, Cl. 364-152.000.
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Jenkins, James O. M., to Siliconix Limited. Telephone instrument. 4,887,295, 12-12-89, Cl. 379-362.000.
Jenkins, Jerold D.; Jenkins, Craig D.; and Jenkins, Scott E. Water well treating method. 4,830,111, 5-16-89, Cl. 166-303.000.
Jenkins, John C., to TRW Inc. Friction-weldable stud. 4,850,772, 7-25-89, Cl. 411-171.000.
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Jenkins, John W., to AMP Incorporated. Electrical connector with improved shunt. 4,832,614, 5-23-89, Cl. 439-188.000.
Jenkins, John W., to Bellwether, Inc. Exercise machine. 4,842,268, 6-27-89, Cl. 272-73.000.
Jenkins, John W., to Bellwether, Inc. Shuttle returner and improved body therefor. 4,880,037, 11-14-89, Cl. 139-439.000.
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Jenkins, Maurice A., to Westinghouse Electric Corp. Fluid temperature and flow monitor. 4,848,926, 7-18-89, Cl. 374-142.000.
Jenkins, Michael S.; Simpson, Andrew F.; and Porter, David A., to Pilkington plc. Coatings on glass. 4,828,880, 5-9-89, Cl. 427-167.000.
Jenkins, Patrick A.; and Aubel, John A., to Borg-Warner Automotive, Inc. Vehicle fuel tank vapor recovery system. 4,813,453, 3-21-89, Cl. 137-588.000.
Jenkins, Peter D., to British Telecommunications public limited company. Jointing arrangement. 4,830,455, 5-16-89, Cl. 350-96.200.
Jenkins, Richard A., to Moore Business Forms, Inc. Bifolded mailer with insert. 4,799,618, 1-24-89, Cl. 229-92.300.
Jenkins, Richard A., to Moore Business Forms, Inc. Two-part mailer with top-opening return envelope. 4,830,269, 5-16-89, Cl. 229-73.000.
Jenkins, Richard L. Six-axis joystick control. 4,876,524, 10-24-89, Cl. 338-2.000.
Jenkins, Richard S.; and Stozek, Robert L., to Du Pont de Nemours, E. I., and Company. Resealable lid structure for a container. 4,847,050, 7-11-89, Cl. 422-102.000.
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Jenkins, Robert E.; Lee, D. Gilbert, Jr.; Moore, Robert C.; and Strohbehn, Kim, to Johns Hopkins University, The. Cellular logic processor. 4,805,228, 2-14-89, Cl. 382-49.000.
Jenkins, Robert L., to C. "Jerry" Wattigny, a part interest. Oil field cable abrading system. 4,817,725, 4-4-89, Cl. 166-376.000.
Jenkins, Robert L., to Wattigny, C. Jerry, a part interest. Down hole oil field clean-out method. 4,838,354, 6-13-89, Cl. 166-311.000.
Jenkins, Ronald, to North American Philips Corporation. Polycrystalline X-ray spectrometer. 4,796,284, 1-3-89, Cl. 378-49.000.
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Jenkins, Wayne C.; and Marx, Richard P. Plant irrigation system. 4,805,342, 2-21-89, Cl. 47-79.000.
Jenkinson, Jeffrey A. Dental mask. 4,889,490, 12-26-89, Cl. 433-136.000.
Jenkinson, Margaret; and Dunne, John, to Abbeybench Limited. Glassware grinding and/or polishing apparatus. 4,872,290, 10-10-89, Cl. 51-109.00R.
Jenkner, Erwin. Device for adjusting penetration depths of a prescoring saw blade during advance of a movable sawing unit. 4,829,868, 5-16-89, Cl. 83-863.000.
Jenkner, Erwin. Device for holding down and guiding workpiece plates. 4,830,075, 5-16-89, Cl. 144-253.00R.
Jenkner, Erwin. Plate subdividing and sorting machine. 4,833,954, 5-30-89, Cl. 83-27.000.
Jenkner, Erwin. Method for transporting away panel sections cut off a workpiece panel along a cutting plane in a panel saw. 4,879,931, 11-14-89, Cl. 83-23.000.
Jenkofsky, John J. Ultra high speed infrared temperature measuring device. 4,867,574, 9-19-89, Cl. 374-121.000.
Jenn, Louis J., to Atrium Structures, Inc. Cruciform dwelling structure. 4,800,692, 1-31-89, Cl. 52-169.200.
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Jenne, Gustav; and Jenne, Dietmar, to Terra AG fur Tiefbautechnik. Percussion drilling apparatus. 4,821,813, 4-18-89, Cl. 173-135.000.
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Jennelle, Ernest M. Hydraulic sweep clarifier. 4,816,157, 3-28-89, Cl. 210-521.000.
Jennelle, Ernest M. Hydraulic sweep clarifier and method. 4,857,208, 8-15-89, Cl. 210-745.000.
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Jenner, Michael D.; and Lamb, Joy A., to U.S. Philips Corp. Method of manufacutring a thermal imaging device with thermally insulated sensor elements. 4,815,199, 3-28-89, Cl. 29-840.000.
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Jennings, Alfred R., Jr.; and Jones, Lloyd G., to Mobil Oil Corporation. Method for improving high impulse fracturing. 4,807,702, 2-28-89, Cl. 166-299.000.

Jennings, Alfred R., Jr., to Mobil Oil Corporation. Fracture acidizing sandstone formations. 4,807,703, 2-28-89, Cl. 166-307.000.

Jennings, Alfred R., Jr.; and Shu, Paul, to Mobil Oil Corporation. Minimizing formation damage under adverse conditions during gravel pack operations. 4,811,789, 3-14-89, Cl. 166-276.000.

Jennings, Alfred R., Jr.; and Stowe, Lawrence R., to Mobil Oil Corporation. Well bore device and method for sand control. 4,811,790, 3-14-89, Cl. 166-278.000.

Jennings, Alfred R., Jr.; and Stowe, Lawrence R., to Mobil Oil Corporation. Hydraulic fracturing with a refractory proppant for sand control. 4,817,717, 4-4-89, Cl. 166-278.000.

Jennings, Alfred R., Jr., to Mobil Oil Corporation. Method for suspending wells. 4,817,719, 4-4-89, Cl. 166-292.000.

Jennings, Alfred R., Jr., to Mobil Oil Corporation. Method for suspending wells. 4,819,727, 4-11-89, Cl. 166-292.000.

Jennings, Alfred R., Jr., to Mobil Oil Corporation. Viscous oil recovery by removing fines. 4,828,030, 5-9-89, Cl. 166-271.000.

Jennings, Alfred R., Jr.; and Stowe, Lawrence R., to Mobil Oil Corp. Proppant for use in viscous oil recovery. 4,838,351, 6-13-89, Cl. 166-280.000.

Jennings, Alfred R., Jr., to Mobil Oil Corp. Solvent stimulation of viscous oil via a horizontal wellbore. 4,844,158, 7-4-89, Cl. 166-267.000.

Jennings, Alfred R., Jr.; and Hoefner, Mark L., to Mobil Oil Corp. Method to improve use of polymers for injectivity profile control in enhanced oil recovery. 4,848,464, 7-18-89, Cl. 166-270.000.

Jennings, Alfred R., Jr.; and Stowe, Lawrence R., to Mobil Oil Corporation. Hydraulic fracturing with a refractory proppant combined with salinity control. 4,852,650, 8-1-89, Cl. 166-250.000.

Jennings, Alfred R., Jr.; and Shucart, John K., to Mobil Oil Corporation. Method of cleaning a horizontal wellbore. 4,860,830, 8-29-89, Cl. 166-312.000.

Jennings, Alfred R., Jr., to Mobil Oil Corporation. Method of enhancing hydrocarbon production in a horizontal wellbore in a carbonate formation. 4,883,124, 11-28-89, Cl. 166-307.000.

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Uhri, Duane C.; and Jennings, Alfred R., Jr., 4,834,181, Cl. 166-281.000.

Jennings, Andrew T.; and Keller, John A., to Unisys Corporation. Special purpose processor for off-loading many operating system functions in a large data processing system. 4,796,178, 1-3-89, Cl. 364-200.000.

Jennings, Andrew T.; Schibinger, Joseph S.; and Kalemba, Ronald J., to Unisys Corporation. Array for simulating computer functions for large computer systems. 4,819,150, 4-4-89, Cl. 364-200.000.

Jennings, Carol A.: *See*—

Tam, Man C.; Bloembergen, Steven; Kovacs, Gregory J.; Jennings, Carol A.; Loutfy, Rafik O.; Gardner, Sandra J.; and Taylor, Michael G., 4,853,307, Cl. 430-41.000.

Jennings, Charles E., to Vetco Gray Inc. Wellhead connector locking device. 4,856,594, 8-15-89, Cl. 166-338.000.

Jennings, Charles E., to Vetco Gray Inc. Tension leg platform tendon top connector. 4,871,282, 10-3-89, Cl. 405-224.000.

Jennings, Charles E.: *See*—

Brammer, Norman; and Jennings, Charles E., 4,823,878, Cl. 166-341.000.

Brammer, Norman; and Jennings, Charles E., 4,823,879, Cl. 166-341.000.

Sweeney, Thomas F.; Nobileau, Philippe C.; and Jennings, Charles E., 4,842,307, Cl. 285-140.000.

Jennings, Chris W.: *See*—

Doucette, Kenneth E.; and Jennings, Chris W., 4,871,079, Cl. 220-1.00R.

Jennings, Dale L.: *See*—

Miller, Fred W., Jr.; Sweat, Forrest W.; and Jennings, Dale L., 4,829,724, Cl. 51-436.000.

Jennings, Earle W., III. Reprogrammable control circuit. 4,872,137, 10-3-89, Cl. 364-900.000.

Jennings, Homer F.; and Martinez, Ozzie, to Weider Health & Fitness. Adjustable barbell bar with rotating handles. 4,822,035, 4-18-89, Cl. 272-123.000.

Jennings, James R.: *See*—

Chinchen, Godfrey C.; and Jennings, James R., 4,863,894, Cl. 502-342.000.

Jennings, Joe M. Exercise apparatus. 4,842,272, 6-27-89, Cl. 272-132.000.

Jennings, Kenneth L. Article dispenser. 4,828,143, 5-9-89, Cl. 221-266.000.

Jennings, Kenneth L.: *See*—

Jennings, Paul D.; and Jennings, Kenneth L., 4,887,738, Cl. 221-264.000.

Jennings, Lois R.; and Long, Roger W., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Component insertion machine with releasable magazine. 4,860,903, 8-29-89, Cl. 211-4.000.

Jennings, Mark F.: *See*—

Miller, Matthew; Miller, Jonathan; Woodhall, Michael B.; and Jennings, Mark F., 4,845,802, Cl. 15-321.000.

Jennings, Oliver, to Jennings, Oliver. Garment useful for listening to audio signals. 4,825,471, 5-2-89, Cl. 2[illegible]4.000.

Jennings, Oliver. Retractable calendar. 4,825,571, 5-2-89, Cl. 40-116.000.

Jennings, Paul D.; and Jennings, Kenneth L. Article dispenser. 4,887,738, 12-19-89, Cl. 221-264.000.

Jennings, Richard E.; Potter, Wilburn H.; and Seymour, Shaun A., to Ford New Holland, Inc. Round baler with variable bale chamber. 4,870,812, 10-3-89, Cl. 56-341.000.

Jennings, Richard E.: *See*—

Crane, Jack W.; Anstee, L. Lavern; VanGinhoven, Robert M.; and Jennings, Richard E., 4,887,416, Cl. 56-13.600.

Jennings, Richard P.: *See*—

Douglas, Joseph; and Jennings, Richard P., 4,799,190, Cl. 364-900.000.

Jennings, Robert E.: *See*—

Hertel, Richard J.; Delforge, Adrian C.; Mears, Eric L.; Macintosh, Edward D.; Jennings, Robert E.; and Bhargava, Akhil, 4,836,733, Cl. 414-225.000.

Jennings, Robert W.: *See*—

Malizio, Andrew B.; and Jennings, Robert W., 4,832,084, Cl. 138-140.000.

Jennings, Roger B.: *See*—

Carey, David H.; and Jennings, Roger B., 4,829,242, Cl. 324-158.00P.

Jennings, Stephen R., to Brick-Look, Inc. Method of constructing a wall. 4,865,781, 9-12-89, Cl. 264-35.000.

Jennings, Stephen R.: *See*—

Ojha, Sureshchandra M.; Jennings, Stephen R.; and Johnston, Anthony D., 4,886,569, Cl. 156-643.000.

Jennings, Timothy C.: *See*—

Thompson, Marvin W.; Scott, James A.; Jennings, Timothy C.; Neves, Joseph; Phenicie, Ronald W.; and Murphy, Margaret H., 4,813,542, Cl. 206-504.000.

Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.

Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,874,266, Cl. 403-407.100.

Jennings, Trevor C.: *See*—

Bale, Christopher R.; Bryant, Raymond A.; Garrett, Stephen J.; Gill, Beresford R.; and Jennings, Trevor C., 4,832,057, Cl. 131-73.000.

Jennings, Uel D., to Du Pont de Nemours, E. I., and Company. High tenacity polyhexamethylene adipamide yarn having ribbon cross-section filaments. 4,801,503, 1-31-89, Cl. 428-399.000.

Jennings, William B.; Thompson, John; and Hayes, Richmond S., Jr., to Carrier Corporation. Sleeve assembly with attached duct and drain connections for a through the wall air conditioning unit. 4,811,570, 3-14-89, Cl. 62-263.000.

Jennis, Barry, to English Electric Valve Company Limited. Ignitron with arc-centering magnetic field. 4,833,363, 5-23-89, Cl. 313-173.000.

Jennmar Corporation: *See*—

Brink, Lawrence J., 4,850,748, Cl. 405-303.000.

Calandra, Frank, Jr., 4,861,197, Cl. 405-259.000.

Stankus, John C., 4,861,198, Cl. 405-261.000.

Stankus, John C.; Stewart, Eugene H.; and Grissinger, Glen S., 4,865,489, Cl. 405-261.000.

Jennrich, Carleton E.; Marohl, Rudolph O.; and Weber, Robert J., to Sargent Sub (Delaware), Inc. Horizontal bed power assist hide applicator. 4,802,349, 2-7-89, Cl. 69-39.000.

Jennrich, Carleton E.: *See*—

Adams, Richard H.; Gross, Alan E.; Jelatis, Demetrius G.; Jennrich, Carleton E.; and Marohl, Rudolph O., 4,831,531, Cl. 364-424.010.

Jennus, Robert E.; and Major, Dale P., to Celotex Corporation, The. Trilaminated roofing shingle. 4,869,942, 9-26-89, Cl. 428-77.000.

Jenny Pressen AC: *See*—

Merz, Peter, 4,832,764, Cl. 148-131.000.

Jenny, Urs: *See*—

Frigg, Robert; Gisin, Paul; Perren, Stephan M.; Jenny, Urs; and Ritter, Gebhard, 4,803,976, Cl. 128-92.0VD.

Jenoff Incorporated: *See*—

Herbert, Brent D., 4,868,382, Cl. 250-227.000.

Jenoptik Jena GmbH: *See*—

Becker-Ross, Helmut; Florek, Stefan; Kerstan, Felix; Motten, Guenther; and Sanders, Horst, 4,856,898, Cl. 356-328.000.

Feist, Wieland; Gurtler, Klaus; and Schuler, Jost, 4,869,590, Cl. 356-148.000.

Guenther, Horst; Foest, Wolfgang; and Eichardt, Klaus, 4,826,31[illegible], Cl. 356-312.000.

Heinrich, Winfried; Pawlik, Horst; and Schmidt, Nikolaus, 4,831,319, Cl. 318-696.000.

Heinrich, Winfried; and Schmidt, Nikolaus, 4,833,385, Cl. 318-696.000.

Krauss, Mathias; and Schniek, Horst-Guenter, 4,879,444, Cl. 365-189.110.

Scade, Andreas; Hoenig, Reinhard; and Schniek, Horst-Guenter, 4,843,256, Cl. 307-296.200.

Jenq, Yih-Chyun; and Crosby, Philip S., to Tektronix, Inc. Digitizer effective resolution measurement system using sinewave parameter estimation. 4,858,142, 8-15-89, Cl. 364-487.000.

Jenq, Yih-Chyun: *See*—

Crinon, Regis J.; and Jenq, Yih-Chyun, 4,800,443, Cl. 338-280.000.

Luthra, Ajay K.; and Jenq, Yih-Chyun, 4,825,379, Cl. 364-487.000.

Jens-Axelgaard: *See*—

Axelgaard, Jens; and Grussing, Theodore, 4,867,166, Cl. 128-640.000.

Jensen, Arne S.; Winstrom-Olsen, Bjarne; and Borreskov, Jorgen, to Aktieselskabet de Danske Sukkerfabrikker. Process and apparatus for removal of liquid from a solid particulate material. 4,813,155, 3-21-89, Cl. 34-57.00E.

Jensen, Billy M., to Becton, Dickinson and Company. Hub configuration. 4,795,445, 1-3-89, Cl. 604-240.000.

Jensen, Bjorn U.: *See*—

Insgard, Finn; and Jensen, Bjorn U., 4,832,744, Cl. 106-15.050.

Jensen, Bruce A.; and Davis, Terrence A., to Applied Automation, Inc. Furnace zone temperature control. 4,817,009, 3-28-89, Cl. 364-477.000.

Jensen, Bruce D.: *See*—

Horan, Paul K.; Jensen, Bruce D.; and Slezak, Sue E., 4,859,584, Cl. 435-29.000.

Jensen, Charles A. Treatment of skin and inflammatory disorders. 4,810,496, 3-7-89, Cl. 424-127.000.

Jensen, Charles O.: *See*—

Myers, Paul A.; and Jensen, Charles O., 4,799,579, Cl. 192-107.00M.

Jensen, Christian; and Schmidt, Gunther, to TA Triumph-Adler Aktiengesellschaft. Method for rebound damping of print hammer magnets in typewriters or similar office machines. 4,880,322, 11-14-89, Cl. 400-167.000.

Jensen Corporation: *See*—

McCabe, Stanley G., 4,885,853, Cl. 38-143.000.

Jensen, Craig J.; and Heyroth, Herbert, to American Ozone Technology, Inc. Ozone apparatus. 4,816,229, 3-28-89, Cl. 422-186.200.

Jensen, Craig L.: *See*—

Sewell, Ralph R.; Bretz, Philip E.; and Jensen, Craig L., 4,874,440, Cl. 148-437.000.

Jensen, Craig W.; Keller, Frederick R.; Morrow, Joel I.; and Roth, Eric A., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Communication system configuration detection apparatus and method. 4,821,179, 4-11-89, Cl. 364-200.000.

Jensen, David G., to Boeing Company, The. Method and apparatus for determining infrared signature of objects. 4,883,971, 11-28-89, Cl. 250-495.100.

Jensen, Edward J., to General Motors Corporation. Engine ignition timing with knock control by combustion pressure harmonic amplitude ratio. 4,846,130, 7-11-89, Cl. 123-425.000.

Jensen, Erik O.: *See*—

Mercker, Kjeld A.; and Jensen, Erik O., 4,849,348, Cl. 435-68.000.

Jensen, Finn; and Nadherny, Rudolph E., to IRECO, Incorporated. Support assembly with retainer. 4,842,459, 6-27-89, Cl. 410-97.000.

Jensen, Finn; and Nadherny, Rudolph E., to Gerot-Pharmazeutika Gesellschaft m.b.H. Brake hanger suspension. 4,885,061, 12-5-89, Cl. 188-206.00R.

Jensen, Finn; and Nadherny, Rudolph E., to IRECO, Incorporated. Support assembly with retainer. 4,586,404, 12-12-89, Cl. 410-97.000.

Jensen, Finn N. Method of adding liquid substances to products made by extrusion. 4,861,606, 8-29-89, Cl. 426-305.000.

Jensen General Corp.: *See*—

Citron, Manning, 4,867,047, Cl. 98-116.000.

Fleming, Thomas W.; and Rose, Gary D., 4,856,493, Cl. 126-299.00R.

Jensen, Georg: *See*—

Holst, Svend; Jensen, Niels; and Jensen, Georg, 4,845,897, Cl. 51-78.000.

Jensen, George A.; Nelson, David A.; and Molton, Peter M., to Battelle Memorial Institute. Radioluminescent light sources, tritium containing polymers, and methods for producing the same. 4,889,660, 12-26-89, Cl. 252-646.000.

Jensen, Hans C., to Altero Technologies, Inc. Cross-country skiing simulator. 4,867,443, 9-19-89, Cl. 272-97.000.

Jensen, Harold A. Hygenic plastic footwear insert. 4,811,499, 3-14-89, Cl. 36-10.000.

Jensen, Harold A. Apparatus for the manufacture of block-sealed side-gusseted bags. 4,854,451, 8-8-89, Cl. 206-554.000.

Jensen, Henry R.: *See*—

Steiner, Carl A.; and Jensen, Henry R., 4,818,402, Cl. 210-411.000.

Jensen, James D.: *See*—

Doddapaneni, Narayan; Chua, David L.; Hoff, Gerald F.; and Jensen, James D., 4,822,700, Cl. 429-50.000.

Jensen, James W., to Adolph Coors Company. Obstructed-field-indicia-sensing device. 4,864,631, 9-5-89, Cl. 382-61.000.

Jensen, James W.: *See*—

Ditto, James W.; and Jensen, James W., 4,888,717, Cl. 364-559.000.

Walsh, Joseph C.; and Jensen, James W., 4,808,363, Cl. 264-288.400.

Jensen, James W., Jr., to Adolph Coors Company. Method and apparatus for producing a laminated composite material having perforated inner layer. 4,795,513, 1-3-89, Cl. 156-108.000.

Jensen, James W., Jr.: *See*—

Ditto, James W.; and Jensen, James W., Jr., 4,835,720, Cl. 364-561.000.

Jensen, Janet R. Method and means for securing palletized materials. 4,876,841, 10-31-89, Cl. 53-399.000.

Jensen, Jens S.: *See*—

Marcker, Kjeld A.; and Jensen, Jens S., 4,886,753, Cl. 435-172.300.

Jensen, Joel F.: *See*—

Ross, Pepi; Madou, Marc J.; Reyes, Zoila; Jensen, Joel F.; Wing, Sharon W.; and Rimer, Virginia G., 4,795,542, Cl. 204-403.000.

Jensen, John E.: *See*—

Tutt, Lee W.; and Jensen, John E., 4,888,204, Cl. 427-53.100.

Jensen, Joseph F.: *See*—

Larson, Lawrence E.; Jensen, Joseph F.; Walden, Robert H.; and Schmitz, Adele E., 4,872,010, Cl. 341-134.000.

Jensen, Klaus G.: *See*—

Bogeso, Klaus P.; Jensen, Klaus G.; Moltzen, Ejner K.; and Pedersen, Henrik, 4,866,077, Cl. 514-326.000.

Jensen, Klavs F.: *See*—

deBoer, Wiebe B.; Jensen, Klavs F.; Johnson, Wayne L.; Read, Gary W.; and Robinson, McDonald, 4,798,165, Cl. 118-715.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. 5-Heterocyclyl-1-aryl-pyrazoles, composition containing them, and method of using them to combat insects, acarids and nematodes. 4,803,215, 2-7-89, Cl. 514-407.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, to Bayer Aktiengesellschaft. 1-aryl-4-alkylthio-pyrazol-5-amine derivatives, composition containing them, and method of using them to combat insects, arachnids, and nematodes. 4,804,675, 2-14-89, Cl. 514-407.000.

Jensen-Korte, Uta; Schallner, Otto, Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Stendel, Wilhelm; Becker, Benedikt; Homeyer, Bernhard; and Behrenz, Wolfgang, to Bayer Aktiengesellschaft. Pesticidal 1-arylpyrazoles, compositions and use. 4,810,720, 3-7-89, Cl. 514-407.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Stendel, Wilhelm; Homeyer, Bernhard; and Behrenz, Wolfgang, to Bayer Aktiengesellschaft. 1-aryl-pyrazoles, pesticidal compositions and use. 4,820,725, 4-11-89, Cl. 514-407.000.

Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. Substituted 1-aryl-3-tert.-butyl-pyrazoles. 4,826,867, 5-2-89, Cl. 514-407.000.

Jensen-Korte, Uta: *See*—

Gehring, Reinhold; Jensen-Korte, Uta; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., 4,804,398, Cl. 71-92.000.

Jensen, Kurt: *See*—

Johnson, Oliver F., 4,813,030, Cl. 368-93.000.

Jensen, Leif H.; Sauerberg, Per; Watjen, Frank; and Kindtler, Jens W., to Soborg. Lipophillically-substituted piperidine oxadiazolyl compounds and their use in stimulating cognitive functions. 4,837,241, 6-6-89, Cl. 514-340.000.

Jensen, Leif M., to Rockwool International A/S. Method of preparing a melt for the production of mineral wool. 4,797,142, 1-10-89, Cl. 65-2.000.

Jensen, Leo S.; and Faucher, Bryan I., to University of Georgia Research Foundation, Inc. Control of food intake in poultry by dietary addition. 4,818,543, 4-4-89, Cl. 426-2.000.

Jensen, Lloyd B., to Allied-Signal Inc. Method for dynamically balancing a mechanism having a high speed rotating component. 4,864,859, 9-12-89, Cl. 73-473.000.

Jensen, Mark B., to MiTek Industries, Inc. Holddown. 4,825,621, 5-2-89, Cl. 52-702.000.

Jensen, Mark E., to Terec USA. Etched porcelain veneer crowns. 4,813,874, 3-21-89, Cl. 433-219.000.

Jensen, Marvin E.: *See*—

Metz, Michael; Tokarz, Joseph S.; and Jensen, Marvin E., 4,889,532, Cl. 604-330.000.

Jensen, Michael L.; Nolf, Jean-Marie E.; and Vansant, Jan, to N.V. Raychem S.A. Electrical device comprising a PTC or NTC composition. 4,801,784, 1-31-89, Cl. 219-548.000.

Jensen, Michael L.: *See*—

Nolf, Jean-Marie E.; Vansant, Jan L. M. F. G.; and Jensen, Michael L., 4,880,[illegible]62, Cl. 219-549.000.

Jensen, Michele R.: *See*—

Watson, David A.; Jensen, Michele R.; and Condon, Dennis E., 4,823,815, Cl. 128-897.000.

Jensen, Millard J.; and Levine, Jules D., to Texas Instruments Incorporated. Method of bonding semiconductor material to an aluminum foil. 4,872,607, 10-10-89, Cl. 228-180.100.

Jensen, Millard J.: *See*—

Levine, Jules D.; Jensen, Millard J.; and Haney, Ronald E., 4,806,495, Cl. 437-2.000.

Jensen, Niels: *See*—

Holst, Svend; Jensen, Niels; and Jensen, Georg, 4,845,897, Cl. 51-78.000.

Jensen, Niels D.; Nielsen, Kurt F.; and Larsen, Bent, to Grundfos International A/S. Oscillating jet meter. 4,827,777, 5-9-89, Cl. 73-861.190.

Jensen, Niels D.; Rasmussen, Michal; and Jensen, Peder, to Grundfos International A/S. Pump assembly for delivering liquids and gases. 4,834,624, 5-30-89, Cl. 417-370.000.

Jensen, Niels D.; and Simonsen, Soren, to Grundfos International A/S. Multi-stage inline rotary pump. 4,842,480, 6-27-89, Cl. 415-199.100.

Jensen, Niels D.; and Svarre, Erik, to Grundfos International A/S. Multi-stage rotary pump. 4,877,372, 10-31-89, Cl. 415-199.100.

Jensen, Niels D.: *See*—

Blad, Thomas; Ellegaard, Mogens; and Jensen, Niels D., 4,842,725, Cl. 210-137.000.

Jensen, Niels J.; Sorensen, Michael N.; and Halden, Steen, to Slagteriernes Forskningsinstitut. Probe unit for automatic determination of quality properties of meat. 4,825,711, 5-2-89, Cl. 73-865.800.

- Jensen, Ole R., to E. R. Squibb & Sons, Inc. Ostomy device. 4,846,820, 7-11-89, Cl. 604-339.000.
- Jensen, Otto S. Combination dustpan and guide means for filling trash containers and the like. 4,802,258, 2-7-89, Cl. 15-257.100.
- Jensen, Pamela S.; and Comite, Florence, to Yale University. Use of clomiphene to predict fertility in a human female. 4,820,736, 4-11-89, Cl. 514-651.000.
- Jensen, Paul S. Data entry system. 4,836,700, 6-6-89, Cl. 400-489.000.
- Jensen, Peder: *See—*
  - Jensen, Niels D.; Rasmussen, Michal; and Jensen, Peder, 4,834,624, Cl. 417-370.000.
- Jensen, Peter G., to Siemens Aktiengesellschaft. Method for level regulation of message information. 4,811,384, 3-7-89, Cl. 379-89.000.
- Jensen, Reece C., to Flexmark, Inc. Method of producing a flexible circuit and master grid therefor. 4,829,404, 5-9-89, Cl. 361-398.000.
- Jensen, Richard E.; Nichols, Donald H.; and Hemphill, D. Gary, to Forensic Applications Corporation. Method and apparatus for the collection and preservation of fluid biological evidence. 4,873,193, 10-10-89, Cl. 436-176.000.
- Jensen, Richard H., to Ancra Corporation. Retractable roller system for cargo handling. 4,823,927, 4-25-89, Cl. 193-35.0SS.
- Jensen, Richard K.; and Mandano, Barbara, to Plastic Welding Technologies, Inc. Method of bonding thermoplastic material using radio frequency energy. 4,857,129, 8-15-89, Cl. 156-273.700.
- Jensen, Robert E.: *See—*
  - Hall, Shade W.; Peters, Eugene L.; Jensen, Robert E.; and Cox, Bernard K., Jr., 4,815,400, Cl. 111-1.000.
- Jensen, Robert L., to SensorMedics Corporation. High trequency ventilation. 4,805,612, 2-21-89, Cl. 128-204.210.
- Jensen, Robert L., to SensorMedics Corporation. High frequency ventilator and method. 4,821,709, 4-18-89, Cl. 128-204.210.
- Jensen, Robert M. *See—*
  - Moorhouse, Harry R.; Jensen, Robert M.; and Chung, Tat K., 4,834,059, Cl. 124-67.000.
- Jensen, Ronald J.: *See—*
  - Kenik, Frank W.; Jensen, Ronald J.; Bayer, James J.; Allgeyer, David F.; McCarthy, Richard R.; and Miceli, Thomas A., 4,821,197, Cl. 364-468.000.
- Jensen, Scott P., to Energy Conversions, Inc. Gaseous fuel injector valve. 4,865,001, 9-12-89, Cl. 123-525.000.
- Jensen, Stanley D.; and Williams, Norman E., to Pioneer Hi-Bred International, Inc. Inbred corn like PHK29. 4,812,600, 3-14-89, Cl. 800-1.000.
- Jensen, Susan: *See—*
  - Wolfe, Saul; Westlake, Donald; and Jensen, Susan, 4,847,200, Cl. 435-43.000.
- Jensen, Svend; Paul, David S.; and Appleyard, Michael, to Massey-Ferguson Services N.V. Vehicle cab windows. 4,880,269, 11-14-89, Cl. 296-190.000.
- Jensen, Thomas D., to Eastman Kodak Company. Split disk carrier with locking mechanism. 4,849,959, 7-18-89, Cl. 369-291.000.
- Jensen, Thomas D.: *See—*
  - Covington, Roger G.; Jensen, Thomas D.; Miller, Stephen H.; and Wilson, Craig B., 4,853,926, Cl. 369-291.000.
- Jensen, Thomas E.: *See—*
  - Sulfstede, Louis E.; Helt, Robert W.; and Jensen, Thomas E., 4,856,286, Cl. 62-89.000.
- Jensen, Thomas H., to PPG Industries, Inc. Method and apparatus for controlling thermal environment in a glass fiber forming process. 4,824,457, 4-25-89, Cl. 65-12.000.
- Jensen, Van E., Jr.: *See—*
  - Donnay, James A.; Jensen, Van E., Jr.; and Kruzel, Bryon S., 4,875,895, Cl. 493-117.000.
- Jensen, Villy J.; Pedersen, Sven; and Olsen, Hans A. S., to Novo Industri A/S. Dietetic foodstuff containing low calorie bulking agent. 4,871,571, 10-3-89, Cl. 426-548.000.
- Jensen, Wayne P.: *See—*
  - Donner, Joseph E.; and Jensen, Wayne P., 4,828,162, Cl. 228-6.200.
- Jensen, William L., Jr.: *See—*
  - Wiley, Nathaniel C., Jr.; and Jensen, William L., Jr., 4,855,712, Cl. 340-453.000.
- Jensen, William T.; Brown, Vincent B.; Edgerton, Cathy J.; and Masterson, Robert W., to Methode Electronics, Inc. Terminator assembly for interconnecting computer devices. 4,857,002, 8-15-89, Cl. 439-76.000.
- Jenson, Leslie M., to TSI Incorporated. Apparatus and method for measuring frequency of coherent component of a composite signal. 4,843,564, 6-27-89, Cl. 364-510.000.
- Jenson, William M.; and Grant, Robert W., to FSI Corporation. Fluid tight cover seal. 4,815,630, 3-28-89, Cl. 220-378.000.
- Jenson, William M.: *See—*
  - Grant, Robert W.; and Jenson, William M., 4,874,014, Cl. 137-605.000.
- Jenstrom, Einar R.; and Schussler, Mortimer, to Fansteel Inc. Joint construction for lined equipment. 4,818,629, 4-4-89, Cl. 428-594.000.
- Jensvold, John A.: *See—*
  - Sanders, Edgar S., Jr.; Clark, Daniel O.; and Jensvold, John A., 4,838,904, Cl. 55-158.000.
- Jentes, Charles: *See—*
  - Weiss, Robert L.; Jentes, Charles; and Crowell, Richard J., 4,798,297, Cl. 211-65.000.
- Jentoft, Arthur P.; and Couture, Paul A., to Wasco Products, Inc. Ventilating skylight. 4,862,657, 9-5-89, Cl. 52-200.000.
- Jentzsch, Arndt; Mueller, Wolfgang; Missbach, Falko; and Eichler, Volker, to VEB Polygraph. Method of and a circuit for metering ink in rotary printing machines. 4,867,062, 9-19-89, Cl. 101-350.000.
- Jentzsch, Arndt: *See—*
  - Hefftler, Victor; Johne, Hans; Schulz, Horst; Jentzsch, Arndt; and Schone, Helmut, 4,811,663, Cl. 101-183.000.
  - Hefftler, Victor; Johne, Hans; Schulz, Horst; Jentzsch, Arndt; and Schone, Helmut, 4,867,060, Cl. 101-183.000.
- Jenusaitia, Matthew: *See—*
  - Sutherland, Karl M.; and Jenusaitia, Matthew, 4,874,581, Cl. 422-46.000.
- Jenzen, Robert G.: *See—*
  - MacMillan, Gregory D.; and Jenzen, Robert G., 4,827,678, Cl. 51-320.000.
- JEOL Ltd.: *See—*
  - Ichihashi, Noriaki, 4,804,840, Cl. 250-310.000.
  - Ishikawa, Toyoji, 4,818,874, Cl. 250-310.000.
  - Kato, Shoji; and Tomita, Takeshi, 4,814,716, Cl. 328-233.000.
  - Kobayashi, Tsutomu, 4,810,878, Cl. 250-288.000.
  - Kobayashi, Tsutomu; Otsuka, Kiichiro; Kubota, Eiji; and Kobayashi, Tatsuji, 4,818,863, Cl. 250-288.000.
  - Kokubo, Yasushi; Suzuki, Keisuke; and Mori, Seiichiro, 4,871,912, Cl. 250-311.000.
  - Matsuda, Hisashi; and Naito, Motohiro, 4,866,267, Cl. 250-296.000.
  - Mori, Nobufumi; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,801,801, Cl. 250-327.200.
  - Mori, Nobufumi; Katoh, Takayuki; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,810,886, Cl. 250-311.000.
  - Mori, Nobufumi; Katoh, Takayuki; Oikawa, Tetsuo; Harada, Yoshiyasu; and Miyahara, Junji, 4,873,440, Cl. 250-327.200.
  - Nagatsuka, Yoshitaka; Saito, Masaki; and Kawabe, Yoshitaka, 4,885,465, Cl. 250-310.000.
  - Ohi, Kimio, 4,837,444, Cl. 250-442.100.
  - Ohi, Kimio, 4,874,945, Cl. 250-306.000.
  - Tagata, Shojiro, 4,857,731, Cl. 250-310.000.
  - Tomita, Ken; and Mori, Seiichiro, 4,880,977, Cl. 205-311.000.
- Jeon, Byung S.; and Namba, Takeo. Non-toxic wrapping film for the packing of foodstuffs and the like. 4,837,262, 6-6-89, Cl. 524-322.000.
- Jeon, Eijin; Lee, Wooil; Yoon, Kwangjun; and Kim, Taewook, to Korea Institute of Machinery & Metals. Continuous monitering system for compaction behavior of composite laminates in autoclave curing. 4,831,881, 5-23-89, Cl. 73-768.000.
- Jeon, Jin S., to Gold Star Co., Ltd. Automatic tracking device for VCR with capstan motor controlled by color signal. 4,812,926, 3-14-89, Cl. 360-70.000.
- Jeppsson, E. Hakan O. Climate chamber with conveyor. 4,875,343, 10-24-89, Cl. 62-381.000.
- Jeppsson, Jan, to Boeing Company, The. Method for indicating end mill wear. 4,802,095, 1-31-89, Cl. 364-474.170.
- Jepson, Derek: *See—*
  - Hill, Adrian C.; and Jepson, Derek, 4,840,206, Cl. 141-349.000.
- Jepson, Donald: *See—*
  - Marlow, Peter G.; Perry, Melvyn; and Jepson, Donald, 4,869,152, Cl. 89-36.170.
- Jepson, John W.: *See—*
  - Gobush, William; Berard, Raymond A.; Brown, Robert A.; and Jepson, John W., 4,858,923, Cl. 273-62.000.
- Jepson, Ray: *See—*
  - Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., 4,868,863, Cl. 379-98.000.
- Jepson, Steven C.: *See—*
  - Zdeb, Brian D.; and Jepson, Steven C., 4,804,366, Cl. 604-85.000.
- Jepson, Stewart C.: *See—*
  - Oslin, G. Robert; and Jepson, Stewart C., 4,817,582, Cl. 126-21.00A.
- Jepson, Walter B.; and Goodman, Howard, to ECC International Limited. Organophilic compositions. 4,804,416, 2-14-89, Cl. 106-468.000.
- Jerabek, Elihu C.: *See—*
  - Foust, Donald F.; Lamby, Edward J.; Karas, Bradley R.; Dumas William V.; and Jerabek, Elihu C., 4,873,136, Cl. 428-209.000.
- Jergens, Incorporated: *See—*
  - Schron, Jack H.; Seidel, Lawrence H.; and DeLonghi, Charles C. 4,863,205, Cl. 294-82.280.
- Jergenson, Ronny D.: *See—*
  - Knapp, Todd K.; and Jergenson, Ronny D., 4,804,807, Cl. 200-331.000.
- Jerila, Torsti T. T.: *See—*
  - Gephart, John D.; and Jerila, Torsti T. T., 4,811,683, Cl. 16-97.000.
  - Jacobs, Kenneth; and Jerila, Torsti T. T., 4,819,297, Cl. 16-87.00R.
- Jering, Helmut: *See—*
  - Berger, Johann; and Jering, Helmut, 4,843,018, Cl. 436-500.000.
  - Schafer, Rainer; Jering, Helmut; and Mangold, Dieter, 4,820,644, Cl. 436-518.000.
- Jerlich, Werner J.; Kugler, Alfred; Kaiserfeld, Hans; Schulhofer, Anton; and Zechner, Werner, to Bohler Ges.m.b.H. Punch and counter punch plates. 4,880,481, 11-14-89, Cl. 148-325.000.
- Jerman, James K. Water flow measuring and dispensing device. 4,869,103, 9-26-89, Cl. 73-198.000.
- Jerman, John H., to Transensory Devices, Inc. Apparatus and method for forming fusible links. 4,879,587, 11-7-89, Cl. 357-55.000.
- Jermyn, Chester S. Pumping device. 4,838,770, 6-13-89, Cl. 417-343.000.
- Jernberg, Marita; and Kall, Mikael, to Holmens Bruk Aktiebolag. Roll holder. 4,846,415, 7-11-89, Cl. 242-55.530.
- Jernigan, Daniel A.: *See—*
  - Gaddis, Joseph L.; and Jernigan, Daniel A., 4,838,114, Cl. 210-500.250.

- Jernigan, Thomas K.: *See—*
  - Brower, David; and Jernigan, Thomas K., 4,860,675, Cl. 112-119.000.
  - Brower, David; and Jernigan, Thomas K., 4,876,976, Cl. 112-262.300.
- Jero Incorporated: *See—*
  - Rump, Jerome R., 4,857,693, Cl. 219-76.120.
- Jero Manufacturing, Inc.: *See—*
  - Pingelton, John R., 4,828,119, Cl. 211-59.300.
- Jerome, Robert: *See—*
  - Teyssie, Philippe; Varshney, Sunil K.; Jerome, Robert; and Fayt, Roger, 4,826,941, Cl. 526-173.000.
- Jeromin, Lothar: *See—*
  - Ceelen, Theodorus M.; and Jeromin, Lothar, 4,801,971, Cl. 355-10.000.
- Jeromson, James R., Jr.; and Anderson, J. E. C., to Milbar Corporation. Retaining ring tool. 4,862,572, 9-5-89, Cl. 29-229.000.
- Jeromson, Jeffrey T.; and Williams, Peter C., to Whitey Co. Tee fitting integrally formed in valve body. 4,887,644, 12-19-89, Cl. 137-876.000.
- Jerr-Dan Corportion: *See—*
  - Shoup, Gary L.; Coffman, Allen B.; and Fix, Robert L., 4,797,057, Cl. 414-563.000.
- Jerred, Harold L., to Busse Bros. Inc. Apparatus for palletizing layers of circular containers arranged in a honeycomb pattern. 4,834,605, 5-30-89, Cl. 414-791.700.
- Jerrett, Alistair R., to New Zealand Government Property Corporate. Fish transport system. 4,844,012, 7-4-89, Cl. 119-3.000.
- Jerry Beagley Braiding Co., Inc.: *See—*
  - Beagley, Jerry D., 4,841,576, Cl. 2-189.000.
- Jerry W. Bishop: *See—*
  - Bishop, Jerry W.; Savas, Keith G.; and Wilson, Wendell G., 4,860,555, Cl. 62-376.000.
- Jerusalem College of Technology: *See—*
  - Bodenheimer, Joseph S.; Klein, Itzhak; and Levi, Yehuda L., 4,806,013, Cl. 356-133.000.
  - Nitzan, Meir, 4,802,489, Cl. 128-691.000.
- Jerussi, Thomas P.; Capacchione, John F.; and Benvenga, Mark J., to BOC, Inc. Anesthetic composition and method of using the same. 4,859,685, 8-22-89, Cl. 514-329.000.
- Jeruzal, Thomas M., to Chrysler Motors Corporation. Storage pack comprising at least two stacked and nested trays each loaded with a plurality of semi-circular split ring bearing halves. 4,838,417, 6-13-89, Cl. 206-318.000.
- Jervis B. Webb Company: *See—*
  - Eilens, Daniel S., 4,852,723, Cl. 198-860.500.
  - Kavieff, Shelden M., 4,883,401, Cl. 414-273.000.
  - Smith, Harry E.; and Riedner, William E., 4,812,102, Cl. 414-280.000.
- Jervis, Garry F.: *See—*
  - Huddleston, Earl M.; and Jervis, Garry F., 4,819,833, Cl. 222-155.000.
- Jervis, James E., to Raychem Corporation. Splice case. 4,859,809, 8-22-89, Cl. 174-92.000.
- Jes, Inc.: *See—*
  - Hee, Roland, 4,847,729, Cl. 361-220.000.
  - Hee, Roland, 4,878,148, Cl. 361-220.000.
- Jeschek, Gerhard: *See—*
  - Mueller, Herbert; Fischer, Roman; Jeschek, Gerhard; and Schoenleben, Willibald, 4,851,580, Cl. 564-479.000.
- Jeschke, Fred G., to American Glass and Metal Corporation. Flexible splice for metal frame members in a curtain wall. 4,873,806, 10-17-89, Cl. 52-235.000.
- Jeschke, Norbert: *See—*
  - Kemmler, Lothar; and Jeschke, Norbert, 4,794,841, Cl. 91-1.000.
- Jeschke, Peter; Altenschoepfer, Theodor; and Jacobs, Jochen, to Henkel Kommanditgesellschaft auf Aktien. Multilayer detergent in block form. 4,828,745, 5-9-89, Cl. 252-99.000.
- Jeschke, Peter: *See—*
  - Altenschoepfer, Theodor; Jeschke, Peter; and Wisotzki, Klaus-Dieter, 4,818,427, Cl. 252-174.210.
  - Kruse, Hans; Jacobs, Jochen; Altenschoepfer, Theodor; and Jeschke, Peter, 4,828,749, Cl. 252-135.000.
  - Kruse, Hans; Jacobs, Jochen; Altenschoepfer, Theodor; and Jeschke, Peter, 4,839,078, Cl. 252-99.000.
  - Wisotzki, Klaus-Dieter; Guirr, Ortburg; Jeschke, Peter; Schumann, Klaus; Schmid, Karl-Heinz; and Biermann, Manfred, 4,839,098, Cl. 252-557.000.
- Jeschke, Willi, to Heidelberger Druckmaschinen AG. Sheet transfer apparatus for rotary printing presses. 4,830,355, 5-16-89, Cl. 271-183.000.
- Jeschke, Willi, to Heidelberger Druckmaschinen AG. Device for feeding energy to a cylinder. 4,831,825, 5-23-89, Cl. 60-473.000.
- Jeschke, Willi; and Stadler, Lothar, to Heidelberger Druckmaschinen AG. Device for tensioning a flexible printing plate on a plate cylinder of a rotary printing machine. 4,831,931, 5-23-89, Cl. 101-415.100.
- Jeschke, Willi; and Weber, Werner, to Heidelberger Druckmaschinen AG. Drive system with drive means for axial reciprocation of distributor rollers of an inking unit. 4,838,163, 6-13-89, Cl. 101-349.000.
- Jeschke, Willi; and Filsinger, Karl-Heinz, to Heidelberger Druckmaschinen AG. Ink duct with an ink metering device for offset printing and letterpress machines. 4,843,966, 7-4-89, Cl. 101-363.000.
- Jeschke, Willi; and Bergmeier, Dieter, to Heidelberger Druckmaschinen AG. Gripper device for a printing machine. 4,846,061, 7-11-89, Cl. 101-408.000.
- Jeschke, Willi; and Loffler, Gerhard, to Heidelberger Druckmaschinen AG. Process for the determination of controlled variables for the inking unit of printing presses. 4,881,181, 11-14-89, Cl. 364-519.000.
- Jeschke, Willi, to Heidelberger Druckmaschinen AG. Sheet feeder for a printing machine. 4,886,261, 12-12-89, Cl. 271-11.000.
- Jeschke, Willi: *See—*
  - Kipphan, Helmut; Jeschke, Willi; Ott, Hans; and Graf, Jean-Pierre, 4,856,903, Cl. 356-400.000.
- Jesco Products Company, Inc.: *See—*
  - Standlick, Ronald E.; and Standlick, David A., 4,852,773, Cl. 222-504.000.
- Jesmanowicz, Andrzej: *See—*
  - Hyde, James S.; Froncisz, Wojciech; Jesmanowicz, Andrzej; and Kneeland, J. Bruce, 4,866,387, Cl. 324-318.000.
- Jesmar S.A.: *See—*
  - Perez, Jose L. J., 4,840,597, Cl. 446-16.000.
- Jespersen, Paul, to Georgia-Pacific Corporation. Flexible sheet material dispenser with automatic roll transferring mechanism. 4,856,724, 8-15-89, Cl. 242-55.300.
- Jesperson, Bruce L.: *See—*
  - Jesperson, Leslie S.; and Jesperson, Bruce L., 4,815,258, Cl. 53-473.000.
- Jesperson, Leslie S.; and Jesperson, Bruce L. Fruit bin filler. 4,815,258, 3-28-89, Cl. 53-473.000.
- Jesse, Jerry F.: *See—*
  - Curie, Kevin J.; and Jesse, Jerry F., 4,862,675, Cl. 53-440.000.
- Jesse, Joachim: *See—*
  - Flohr, Helmut; Jesse, Joachim; Albert, Bernhard; and Neumann, Peter, 4,851,549, Cl. 549-206.000.
- Jessella Pty Ltd.: *See—*
  - Kaladis, Peter H.; Biantes, Peter; and Reiderich, Manuel J., 4,810,029, Cl. 297-16.000.
- Jessick, James: *See—*
  - Jessick, Jerry P.; Vastano, Francis J.; and Jessick, James, 4,830,114, Cl. 169-26.000.
- Jessick, Jerry P.; Vastano, Francis J.; and Jessick, James, to Future Fire Suppression, Inc. Self-activating fire extinguisher. 4,830,114, 5-16-89, Cl. 169-26.000.
- Jesson, George; and Arnold, Larry J., to Emhart Industries, Inc. Fastener. 4,836,730, 6-6-89, Cl. 411-387.000.
- Jessop, Edward S.: *See—*
  - Powell, Howard T.; Riley, Michael O.; Wolfe, Charles R.; Lyon, Richard E.; Campbell, John H.; Jessop, Edward S.; and Murray, James E., 4,849,036, Cl. 156-99.000.
- Jessop, Paul A., to VG Instruments Group Limited. Multi-stream fluid sampling valve. 4,840,074, 6-20-89, Cl. 73-864.810.
- Jessop, Paul M.; and Jeffs, David H., to Multi-Technology Inc. Fail safe releasible locks for cappped disposable centrifuge containers. 4,830,209, 5-16-89, Cl. 215-273.000.
- Jessop, Paul M.; and Jeffs, David H., to Multi-Technology Inc. Medical fail safe releasible locks and/or seals for capped disposable centrifuge containers, cryogenic vials and the like. 4,874,102, 10-17-89, Cl. 215-273.000.
- Jessop, Thomas C., to Eastman Kodak Company. Automatic liquid feed and circulation system for a photographic film processor. 4,804,990, 2-14-89, Cl. 354-324.000.
- Jessop, Thomas C.: *See—*
  - Amos, Shaun M.; Backus, Richard J.; and Jessop, Thomas C., 4,809,064, Cl. 358-76.000.
- Jessup, James L., to Kendall Company, The. Apparatus for forming a visually detectable element. 4,798,581, 1-17-89, Cl. 493-338.000.
- Jessup, Peter J., to Union Oil Company of California. Liquid fuels of high octane values. 4,812,146, 3-14-89, Cl. 44-77.000.
- Jessup, Thurman W. Support system for shaft. 4,854,184, 8-8-89, Cl. 74-411.000.
- Jessup, Tim M.: *See—*
  - Bulatovic, Srdjan; and Jessup, Tim M., 4,877,517, Cl. 209-167.000.
- Jester, Terry L., to Dana Corporation. Transmission shift rail interlock. 4,856,362, 8-15-89, Cl. 74-477.000.
- Jeszenszky, Thomas: *See—*
  - Weinrotter, Klaus; Jeszenszky, Thomas; Schmidt, Heinrich; Baumann, Siegfried; and Kalleitner, Johann, 4,801,502, Cl. 428-397.000.
- Jet-Flow Filtration Co.: *See—*
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- Jet Research Center, Inc.: *See—*
  - Christopher, Glenn B.; and Motley, Jerry D., 4,875,413, Cl. 102-307.000.
  - Gill, Bennie C., 4,832,134, Cl. 175-4.600.
  - Gill, Bennie C., 4,844,170, Cl. 166-297.000.
  - Riggs, Robert S., 4,794,990, Cl. 166-902.000.
  - Riggs, Robert S., 4,855,436, Cl. 546-307.000.
  - Riggs, Robert S., 4,861,924, Cl. 568-931.000.
  - Walker, Jerry L.; Motley, Jerry; and Christopher, Glenn, 4,817,531, Cl. 102-306.000.
- Jet Services: *See—*
  - Caille, Roger, 4,825,053, Cl. 235-380.000.
- Jet Spray Corp.: *See—*
  - Emody, Kenneth J., 4,856,676, Cl. 222-66.000.
- Jeter, John D. Drilling enhancement tool. 4,817,739, 4-4-89, Cl. 175-38.000.
- Jeter, John D. Signal pressure pulse generator. 4,825,421, 4-25-89, Cl. 367-83.000.
- Jeter, Joseph F.: *See—*
  - Rule, Mark; Tustin, Gerald C.; Moncier, Regina M.; and Jeter, Joseph F., 4,814,545, Cl. 585-824.000.

Jeter, Michael A.; and Capurso, Joseph S., to Delco Electronics Corporation. Electrical conductor having unique solder dam configuration. 4,859,808, 8-22-89, Cl. 174-68.500.

Jethwa, Anil P., to Sterling Drug Inc. Floor polishing and coating composition. 4,869,934, 9-26-89, Cl. 427-393.500.

Jetter, Hans, to Bizerba-Werke Wilhelm Kraut GmbH & Co. KG. Bending force receiver, in particular, for balances. 4,836,036, 6-6-89, Cl. 73-862.650.

Jetter, Neil R., to Harris Semiconductor Patents, Inc. Ion implantation method and apparatus. 4,881,010, 11-14-89, Cl. 315-111.810.

Jeuch, Pierre; and Heitzmann, Michel, to Commissariat a l'Energie Atomique. Method of making an EPROM memory cell. 4,849,369, 7-18-89, Cl. 437-43.000.

Jeuch, Pierre, to Commissariat a l'Energie Atomique. Process for the production of a memory cell. 4,851,365, 7-25-89, Cl. 437-43.000.

Jeuch, Pierre, to Commissariat a l'Energie Atomique. Process for the production of electrical isolation zones in a CMOS integrated circuit. 4,882,291, 11-21-89, Cl. 437-34.000.

Jeuch, Pierre, to Commissariat a l'Energie Atomique. Process for the production of electrical isolation zones in a CMOS integrated circuit. 4,889,828, 12-26-89, Cl. 437-34.000.

Jeumont-Schneider Corporation: *See—*
  Falbierski, Jean-Jacques, 4,836,340, Cl. 188-82.340.

Jeunhomme, Luc, to Photonetics S.A. Device for detecting vibrations including a multimode optical fiber as sensitive element. 4,843,233, 6-27-89, Cl. 250-227.000.

Jeunhomme, Luc; and Desforges, Francois X., to Photonetics. Optical-fiber detection device which involves testing for good performance. 4,870,269, 9-26-89, Cl. 250-227.000.

Jevne, Allan H.: *See—*
  Spevak, Richard; Lattin, Gary A.; and Jevne, Allan H., 4,820,263, Cl. 604-20.000.

Jewell, Emmett J., deceased; by Jewell, Kathleen R., representative; and Van Kampen, Timothy J. Shell holder and dispenser. 4,843,649, 7-4-89, Cl. 2-94.000.

Jewell, Jack L.; and McCall, Samuel L., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical or optoelectronic device having a trapping layer in contact with a semiconductive layer. 4,861,976, 8-29-89, Cl. 250-211.00J.

Jewell, James E.; and Koslow, Evan E., to Pall Corporation. Filtering apparatus. 4,828,698, 5-9-89, Cl. 210-266.000.

Jewell, John H., II; and Sasamura, Ross S., to Paccar Inc. Vehicle door flex limitation apparatus. 4,869,547, 9-26-89, Cl. 296-201.000.

Jewell, John H., II: *See—*
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  Sasamura, Ross S.; and Jewell, John H., II, 4,850,142, Cl. 49-381.000.
  Sasamura, Ross S.; and Jewell, John H., II, 4,861,099, Cl. 296-202.000.

Jewell, Kathleen R., representative: *See—*
  Jewell, Emmett J., deceased; Jewell, Kathleen R., representative; and Van Kampen, Timothy J., 4,843,649, Cl. 2-94.000.

Jewell, Michael B., to Hewlett-Packard Company. High switching speed, coaxial switch for R.F. signals. 4,870,385, 9-26-89, Cl. 335-5.000.

Jewell, Ricky S. Deck bracket and method of attaching a deck to a building. 4,811,542, 3-14-89, Cl. 52-741.000.

Jewett, Bryce D., Sr. Method and apparatus for producing eyeglass frames. 4,802,661, 2-7-89, Cl. 269-48.100.

Jewett, Scotty Y.; Robertson, John W., Jr.; and Woolbert, Gordon D., to Babcock & Wilcox Company, The. Apparatus for monitoring low-level combustibles. 4,846,410, 7-11-89, Cl. 241-31.000.

Jewett, Scotty Y.: *See—*
  Woolbert, Gordon D.; Jewett, Scotty Y.; and Robertson, John W., Jr., 4,852,384, Cl. 73-1.00G.

Jewish Hospital, The: *See—*
  Weil, Gary J., 4,839,275, Cl. 435-7.000.

Jewitt, Joseph H.; and Harley, Jack, to International Paint plc. Bottom seam for pail. 4,823,973, 4-25-89, Cl. 220-67.000.

Jex Co., Ltd.: *See—*
  Morifuki, Yaso, 4,883,464, Cl. 604-74.000.

Jeyarajan, Arunachalam: *See—*
  Horton, Robert A.; Jeyarajan, Arunachalam; and Graham, Lawrence D., 4,862,947, Cl. 164-122.200.

Jezbera, Val K., to Dataproducts Corporation. Field replaceable print hammer. 4,833,981, 5-30-89, Cl. 101-93.290.

Jezequel, Roland: *See—*
  Rouille, Philippe; and Jezequel, Roland, 4,812,000, Cl. 350-6.600.

Jezic, Zdravko; and Young, Gene P., to Dow Chemical Company, The. Biconstituent polypropylene/polyethylene fibers. 4,839,228, 6-13-89, Cl. 428-401.000.

Jeziorowski, Les A., to CAMCO Inc. Refrigerator door tray assembly. 4,859,010, 8-22-89, Cl. 312-312.000.

Jeziorski, Harry J., to MagneTek, Inc. Hermetic motor bearing assembly. 4,810,175, 3-7-89, Cl. 417-423.120.

Jezl, James L.; Michaels, Glenn O.; Spangler, Michael J.; and Winzenburg, Mark L., to Amoco Corporation. Conversion of a lower alkane. 4,814,539, 3-21-89, Cl. 585-500.000.

JF-Fabriken - J. Freudendahl A/S: *See—*
  Freudendahl, Jan, 4,838,358, Cl. 172-125.000.

JG Furniture Systems, Inc.: *See—*
  Fisher, David W.; Denny, Lee N.; and Furlong, Joseph T., 4,805,538, Cl. 108-7.000.

JGC Corporation: *See—*
  Kato, Koji; Umehara, Noritsugu; Adachi, Shigeru; and Sato, Shin, 4,821,466, Cl. 51-317.000.
  Kurumada, Norimitsu; Kuribayashi, Hiroshi; Shibata, Setsuo; Wakabayashi, Toshikatsu; Hasegawa, Akira; and Shibuya, Mamoru, 4,800,042, Cl. 252-628.000.
  Matsuoka, Hiroo; Toida, Tsutomu; Takinami, Takao; Takenaka, Senji; and Fujita, Tetsuo, 4,855,124, Cl. 423-574.00L.

Jhaveri, Satish S.; Dunnavant, William R.; and Langer, Heimo J., to Ashland Oil, Inc. Hot box process for preparing foundry shapes with certain aqueous phenolic resin solutions. 4,884,620, 12-5-89, Cl. 164-15.000.

Jian, Cheng-Ming, to Gong, Yeou-Wei. Wooden horse able to move forwards and to change moving direction. 4,834,402, 5-30-89, Cl. 280-1.175.

Jiang, Bai-Chuan: *See—*
  Bronskill, Michael J.; and Jiang, Bai-Chuan, 4,838,677, Cl. 351-203.000.

Jiang, Ching-Lin, to Dallas Semiconductor Corporation. Temperature compensated monolithic delay circuit. 4,843,265, 6-27-89, Cl. 307-591.000.

Jiang, Ching-Lin; and Williams, Clark R., to Dallas Semiconductor Corporation. Dual storage cell memory including data transfer circuits. 4,873,665, 10-10-89, Cl. 365-154.000.

Jiang, Ching-Lin: *See—*
  Williams, Clark R.; and Jiang, Ching-Lin, 4,871,982, Cl. 331-75.000.

Jiang, Ke-zheng; Ren, Deng-ke; Chen, Zu-yuan; and You, Lian-zhen, to Shanghai Dong Hai Military Technology Engineering Co. Planar TV receiving antenna with broad band. 4,860,019, 8-22-89, Cl. 343-795.000.

Jiang, Lihua: *See—*
  Tan, Cheng; and Jiang, Lihua, 4,884,532, Cl. 123-18.00R.

Jiang, William Y.: *See—*
  Kong, Samuel K.; Jiang, William Y.; and Chan, Wallace C. W., 4,884,165, Cl. 361-98.000.

Jiang, Ying Z., to Ling Nan Flexible & Shaft Factory of Guang zhou. Water control valve. 4,819,694, 4-11-89, Cl. 137-625.470.

Jibbe, Mahmoud K., to NCR Corporation. Digital system and method for compressing speech signals for storage and transmission. 4,802,221, 1-31-89, Cl. 381-34.000.

Jibiki, Takao: *See—*
  Takeuchi, Yasuhito; Higashiizumi, Takao; Akasaka, Hideya; Jibiki, Takao; and Sano, Shinichi, 4,817,617, Cl. 128-660.050.

Jidosha Denki Kogyo Kabushiki Kaisha: *See—*
  Ishikawa, Masaru, 4,843,898, Cl. 74-51.000.
  Itoh, Takeshi; and Tsukahara, Akihiko, 4,870,333, Cl. 318-286.000.
  Iwaoka, Toshio; and Inoue, Masaru, 4,858,060, Cl. 361-185.000.
  Kobayashi, Kyoji; Kaneko, Noboru; Konishi, Kiyoshi; and Furuya, Takeo, 4,865,151, Cl. 180-179.000.
  Matsumoto, Yasuki; and Kato, Masaru, 4,857,813, Cl. 318-54.000.
  Sasaki, Michiaki; Ohno, Junya; Ozaki, Katsunori; Yamamoto, Kiyokazu; and Matsuki, Toshiyuki, 4,834,132, Cl. 137-143.000.
  Sasaki, Michiaki; and Yamamoto, Kiyokazu, 4,838,307, Cl. 137-574.000.
  Suzuki, Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,845,622, Cl. 364-426.040.
  Suzuki, Kouichi; Kobayashi, Kyoji; and Konishi, Kiyoshi, 4,829,437, Cl. 364-426.040.
  Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,835,696, Cl. 364-426.040.

Jidosha Kiki Co., Ltd.: *See—*
  Arino, Masao; and Takase, Jinki, 4,882,980, Cl. 92-48.000.
  Ebina, Akimitsu, 4,796,485, Cl. 74-866.000.
  Emori, Yasuyoshi; Ohsaki, Hiroshi; and Nomura, Ikuo, 4,877,100, Cl. 180-143.000.
  Hatanaka, Koji; Maruta, Kenzi; and Suwabe, Hirohisa, 4,874,923, Cl. 219-270.000.
  Ishizaka, Kouichi; and Ebina, Akimitsu, 4,871,952, Cl. 388-829.000.
  Kobayashi, Michio, 4,794,849, Cl. 92-98.00D.
  Kobayashi, Michio; and Senoh, Kazunori, 4,811,653, Cl. 92-98.00D.
  Maruta, Kenji; Suwabe, Hiroshi; Ogasawara, Sachio; Masaka, Mitusuke; and Hatanaka, Koji, 4,810,853, Cl. 219-270.000.
  Masaka, Mitusuke; and Hatanaka, Koji, 4,806,734, Cl. 219-270.000.
  Masaki, Minoru, 4,821,690, Cl. 123-179.00H.
  Ohe, Takeshi; and Ohsaki, Hiroshi, 4,838,767, Cl. 417-299.000.
  Ohe, Takeshi, 4,865,146, Cl. 180-79.100.
  Okada, Kunio; and Kobayashi, Shigeru, 4,800,976, Cl. 180-142.000.
  Shimamura, Morihiko; Satoh, Satoru; and Kobayashi, Michio, 4,882,975, Cl. 91-376.00R.
  Shimamura, Morihiko, 4,885,982, Cl. 60-547.100.
  Suzuki, Haruo; and Tsuyuki, Yasuo, 4,862,787, Cl. 91-369.200.
  Uyama, Shintaro; and Ohta, Ryuji, 4,807,521, Cl. 92-169.00R.
  Uyama, Shintaro; Ohta, Ryuji; and Inoue, Yoshimichi, 4,846,04, Cl. 91-369.400.
  Yanagawa, Ichiro; and Wachi, Yuzi, 4,825,982, Cl. 188-273.000.

Jie, Tian: *See—*
  Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yoshinori; and Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,814,449, Cl. 546-36.000.
  Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,866,069, Cl. 514-279.000.

Jiewertz, Sten, to Saab-Scania AB. Method and an arrangement for the detection of ionizing current in the ignition system of an internal combustion engine including engine start sequence detection. 4,862,093, 8-29-89, Cl. 324-464.000.

Jih, Chentung R.: *See—*
  Chew, David W.; Hagenlocher, Willi A.; Jih, Chentung R.; and Nassimbene, Ernie G., 4,839,756, Cl. 360-105.000.

Jih, Felix: *See—*
  Lim, Chun B.; Chaney, Richard; Jih, Felix; Johnson, Tim; and King, Steven E., 4,808,826, Cl. 250-363.00R.

Jikka, Panu O.; and Virkola, Nils-Erik, to Oy Advanced Forest Automation Ab. Method for controlling sulphite pulping and hydrolytic processes by means of rapid furfural analyzer. 4,842,689, 6-27-89, Cl. 162-49.000.

Jillie, Don W., Jr.; Yin, Gerald; and Wada, Glen, to Intel Corporation. Plasma etching process for MOS circuit pregate etching utiliizing a multi-step power reduction recipe. 4,808,259, 2-28-89, Cl. 156-643.000.

Jim Dickerson Plumbing, Inc.: *See—*
  Dickerson, James A., 4,850,059, Cl. 4-211.000.

Jim Walter Research Corp.: *See—*
  Israel, Michael G.; Grozdits, George A.; and Moss, Ernest K., 4,833,182, Cl. 524-14.000.

Jimbo Electric Co., Ltd.: *See—*
  Fujiyoshi, Shiori, 4,808,778, Cl. 200-33.900.

Jimbo, Takashi: *See—*
  Ueno, Tomoyuki; Honda, Tadatoshi; Jimbo, Takashi; Kotani, Makoto; Terada, Kazuhiro; and Kiyono, Shinji, 4,831,158, Cl. 548-508.000.

Jimbo, Takeshi: *See—*
  Hashimoto, Toru; Takahashi, Akira; Imaizumi, Takeshi; Saito, Susumu; Tanaka, Hiroshi; and Jimbo, Takeshi, 4,834,054, Cl. 123-571.000.

Jimecal: *See—*
  Jeanson, Henri R., 4,834,088, Cl. 188-299.000.

Jimek International AB: *See—*
  Hultberg, Sten; and Hansson, Birger, 4,873,925, Cl. 101-147.000.

Jimenez, Euler G.: *See—*
  Rodriguez, Domingo P.; Jimenez, Euler G.; Layrisse, Ignacio; Salazar, Jose P.; and Rivas, Hercilio, 4,834,775, Cl. 44-51.000.

Jimenez, Francisco G.; and Spector, George. Auto brake light. 4,843,369, 6-27-89, Cl. 340-479.000.

Jimenez, Francisco G.; and Spector, George. Disposable toothbrush. 4,850,730, 7-25-89, Cl. 401-184.000.

Jimenez G., Euler: *See—*
  Layrisse, Ignacio; Polanco, Domingo R.; Rivas, Hercilio; Jimenez G., Euler; Quintero, Lirio; Salazar, Jose P.; Rivero, Mayela; Cardenas, Antonio; Chirinos, Maria L.; Rojas, Daysi; and Marquez, Humberto, 4,795,478, Cl. 44-51.000.
  Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, Cl. 44-51.000.

Jimenez, Jose R. Apparatus for use with vehicle frame straightener. 4,848,130, 7-18-89, Cl. 72-392.000.

Jimenez, Louis M. Fishing pole holder for portable chairs. 4,819,903, 4-11-89, Cl. 248-538.000.

Jimenez, Louis M. Catheter bag holder. 4,821,988, 4-18-89, Cl. 248-227.000.

Jimenez-Maldonado, Gilberto-Alejandro, to American Wheels De Mexico, S.A.D. E C.V. Continuous method and apparatus for the thermal treatment of metallic workpieces. 4,846,717, 7-11-89, Cl. 432-128.000.

Jimison, Walter L.: *See—*
  Paurone, John; Chamness, Leland D.; Fellingham, George H.; and Jimison, Walter L., 4,818,186, Cl. 417-63.000.

Jimmy, Michael F. Illuminating spectacle apparatus. 4,822,161, 4-18-89, Cl. 351-158.000.

Jin, Fu-Teh: *See—*
  Heh, Shiang-Jiun; Chen, Swe-Kai; Jin, Fu-Teh; and Chen, Li-Kou, 4,875,946, Cl. 148-103.000.

Jin, Jung I.: *See—*
  Park, Ho J.; Kim, Seo W.; Jin, Jung I.; and Lee, Suck H., 4,816,552, Cl. 528-271.000.

Jin, Sungho: *See—*
  Dentini, Mark S.; Fulton, Joe A.; Jin, Sungho; Mottine, John J., Jr.; Shepherd, Lloyd; and Sherwood, Richard C., 4,838,347, Cl. 165-185.000.

Jinbo, Masato: *See—*
  Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuichi, 4,800,839, Cl. 118-691.000.

Jinbo, Takeshi: *See—*
  Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, 4,848,301, Cl. 123-494.000.

Jinbo, Toshikatsu, to NEC Corporation. Semiconductor memory device with improved word line drive circuit. 4,868,788, 9-19-89, Cl. 365-189.060.

Jinbo, Toshikatsu: *See—*
  Kobatake, Hiroyuki; and Jinbo, Toshikatsu, 4,876,462, Cl. 307-246.000.

Jinbo, Yoshihiro: *See—*
  Adachi, Keiichi; Ohno, Shigeru; Inagaki, Yoshio; Seto, Nobuo; and Jinbo, Yoshihiro, 4,833,246, Cl. 544-82.000.

Jinda, Akihito; Furubayashi, Hisatoshi; Hijikigawa, Masaya; and Tabuchi, Hiroki, to Sharp Kabushiki Kaisha. Method of manufacturing platinum resistance thermometer. 4,805,296, 2-21-89, Cl. 29-620.000.

Jindai, Hideo; Bando, Keiji; Yoshida, Masakazu; and Yamada, Hideki, to Kabushiki Kaisha Komatsu Seisakusho. Control device for a power shovel. 4,889,466, 12-26-89, Cl. 414-694.000.

Jindou, Katsuya: *See—*
  Nakano, Fumihito; Hagawa, Kiyoshi; Endo, Kenji; Wada, Kohei; and Jindou, Katsuya, 4,806,889, Cl. 333-202.000.

Jing-Lin, Long. Car-shaped video tape rewinder. 4,848,699, 7-18-89, Cl. 242-201.000.

Jinguji, Takumi, to Pioneer Electronic Corporation. Digital data error block detection and display device. 4,847,840, 7-11-89, Cl. 371-37.000.

Jinich, Leon; and Varian, Karl R., to Rockwell International Corporation. Power consumption control apparatus. 4,885,798, 12-5-89, Cl. 455-52.000.

Jinks, Philip A., to Riker Laboratories, Inc. Physically modified beclomethasone dipropionate suitable for use in aerosols. 4,810,488, 3-7-89, Cl. 424-45.000.

Jinks, Philip A.; Bell, Alexander; and Fischer, Franz X., to Riker Laboratories, Inc. Drug-containing chlorofluorocarbon aerosol propellent formulations. 4,814,161, 3-21-89, Cl. 424-45.000.

Jinnai, Kenichiro; and Hashimoto, Takafumi, to Kabushiki Kaisha Meidensha. Method of operating zinc-halogen secondary battery. 4,857,419, 8-15-89, Cl. 429-13.000.

Jinnai, Shigeru; and Sakai, Shinji, to Canon Kabushiki Kaisha. Electronic camera. 4,884,144, 11-28-89, Cl. 358-228.000.

Jinnai, Toshio: *See—*
  Hase, Takashi; Jinnai, Toshio; Fujino, Snigeo; Hayashi, Masato; and Toshinai, Akio, 4,810,416, Cl. 252-301.60R.

Jinno, Akio: *See—*
  Yoshida, Shuichi; Sawada, Eiji; and Jinno, Akio, 4,816,228, Cl. 422-159.000.

Jinno, Masafumi; Kake, Ichiro; Nishina, Yuichiro; and Masumoto, Tsuyoshi. Photochromic material, photochromic device and method for recording and erasing information. 4,886,717, 12-12-89, Cl. 430-19.000.

Jinno, Masayuki: *See—*
  Terano, Takashi; Jinno, Masayuki; and Saijo, Munetoshi, 4,857,889, Cl. 340-461.000.

Jinno, Naoyoshi: *See—*
  Furuta, Akihiro; Hanabata, Makoto; Yasui, Seimei; Hiroaki, Osamu; and Jinno, Naoyoshi, 4,863,829, Cl. 430-192.000.

Jinno, Osamu; and Fukuoka, Tatsuhiko, to Taiho Kogyo Co., Ltd. Bearing resin material. 4,877,813, 10-31-89, Cl. 525-146.000.

Jinno, Tetsumi: *See—*
  Igarashi, Yoshio; and Jinno, Tetsumi, 4,851,946, Cl. 361-124.000.

Jinnouchi, Kazuharu: *See—*
  Tamura, Toru; Chujo, Masaki; and Jinnouchi, Kazuharu, 4,823,758, Cl. 123-564.000.

Jinotti, Walter J. Apparatus for mouth-to-mouth resuscitation. 4,856,506, 8-15-89, Cl. 128-203.110.

Jinushi, Sinji: *See—*
  Ushida, Yoshio; and Jinushi, Sinji, 4,824,873, Cl. 521-137.000.

Jippo, Akira, to NEC Corporation. Information processing system capable of reducing invalid memory operations by detecting an error in a main memory. 4,872,166, 10-3-89, Cl. 371-11.100.

Jira, Alfred: *See—*
  Daubenbuchel, Werner; and Jira, Alfred, 4,874,649, Cl. 428-36.500.

Jira, Reinhard: *See—*
  Ottlinger, Ralph; Rengstl, Alfred; and Jira, Reinhard, 4,870,200, Cl. 556-469.000.

Jirka, Bohuslav: *See—*
  Burysek, Frantisek; Jirka, Bohuslav; Jarolimek, Zdenek; and Fajt, Ludvik, 4,883,231, Cl. 242-35.50A.

Jiro, Morita, to Honda Giken Kogyo Kabushiki Kaisha. Fuel pump assembly. 4,844,704, 7-4-89, Cl. 417-307.000.

Jitsukawa, Koichiro: *See—*
  Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.

Jitsukawa, Masaharu: *See—*
  Kuwamoto, Hiroshi; Jitsukawa, Masaharu; and Hosoya, Yoshihiro, 4,810,589, Cl. 428-606.000.

Jitumori, Aiko: *See—*
  Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, 4,839,654, Cl. 342-22.000.

Jitumori, Akio: *See—*
  Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Akio; and Usami, Teruo, 4,831,383, Cl. 342-22.000.

Jiuh Lung Enterprise Co., Ltd.: *See—*
  Tsai, Chao-Hsiung, 4,831,749, Cl. 36-3.00B.

Jiumr, Fanchan J. Physical training apparatus. 4,796,882, 1-10-89, Cl. 272-72.000.

Jixian, Yao: *See—*
  Fanqing, Liu; Junwen, Li; and Jixian, Yao, 4,851,136, Cl. 210-798.000.

JL Tool and Machine Co.: *See—*
  Voytilla, Joseph M.; and Smithson, Mikel, 4,846,031, Cl. 83-50.000.

JLF Designs, Inc.: *See—*
  Fournier, James L., 4,872,538, Cl. 190-111.000.

JM Industries, Inc.: *See—*
  Martin, R. Craig, 4,845,869, Cl. 40-584.000.

JMC Black, Inc.: *See—*
  Shane, Barry, 4,811,851, Cl. 211-41.000.
  Shane, Barry, 4,814,218, Cl. 428-102.000.

Joachim, Burchart, to Nixdorf Computer AG. Unit for display of information on a reading device for the blind. 4,836,784, 6-6-89, Cl. 434-113.000.
Joachim, Gerard: *See*—
  Wolfgang, Kraib; and Joachim, Gerard, 4,856,699, Cl. 228-4.500.
Joanino, Fernando A., to Advance Transformer Co. Two-lead starter circuit for a gaseous discharge lamp. 4,876,486, 10-24-89, Cl. 315-290.000.
Joannou, Constantinos J. Cartridge type electronic air filter. 4,828,586, 5-9-89, Cl. 55-131.000.
Joannou, Constantinos J. Electronic air filtration system. 4,886,526, 12-12-89, Cl. 55-131.000.
Joannou, Kyriacos; Wilson, Kenneth; and Lowry, Alan B., to Pericomp Corporation. Tape head cleaner cartridge. 4,875,125, 10-17-89, Cl. 360-128.000.
Job, Claude; Lamothe, Michele; and Jamet, Martine, to Raychem Pontoise S.A. Polymer compositions. 4,851,455, 7-25-89, Cl. 522-139.000.
Job, Eduard J. Glass bulb for sprinkler heads. 4,796,710, 1-10-89, Cl. 169-38.000.
Job, Robert C., to Shell Oil Company. Crystalline olefin polymerization catalyst component. 4,804,648, 2-14-89, Cl. 502-119.000.
Job, Robert C., to Shell Oil Company. Process for stable preparation of alkoxymagnesium compounds. 4,806,696, 2-21-89, Cl. 568-851.000.
Job, Robert C., to Shell Oil Company. Process for polymerizing olefins with a crystalline magnesium catalyst component. 4,855,371, 8-8-89, Cl. 526-124.000.
Job, Robert C., to Shell Oil Company. Olefin polymerization catalysts from soluble magnesium alkoxides made from mixed magnesium alkyls and aryls. 4,870,039, 9-26-89, Cl. 502-104.000.
Job, Robert C., to Shell Oil Company. Olefin polymerization catalysts from soluble magnesium alkoxides made from alkyl or aryl magnesium mixed with a branched or aromatic aldehyde. 4,870,040, 9-26-89, Cl. 502-104.000.
Job, Robert C., to Shell Oil Company. Silicate-modified magnesium alkoxide polymerization catalysts. 4,874,737, 10-17-89, Cl. 502-171.000.
Job, Robert C., to Shell Oil Company. Magnesium alkoxide polymerization catalyst by boiling in organic solvents. 4,876,230, 10-24-89, Cl. 502-171.000.
Job, Robert C.: *See*—
  Chatterjee, Ananda M.; and Job, Robert C., 4,818,799, Cl. 526-123.000.
Jobbins, Richard M.: *See*—
  Carioti, John V.; and Jobbins, Richard M., 4,808,668, Cl. 525-329.900.
Jobe, Gregory A.: *See*—
  Phillips, Donald E.; and Jobe, Gregory A., 4,801,896, Cl. 331-25.000.
Jobe, Patrick G.; Lamb, Diane J.; and Martino, Gary T., to National Starch and Chemical Corporation. Polysaccharide esters containing acetal and aldehyde groups. 4,801,699, 1-31-89, Cl. 536-59.000.
Jobe, Patrick G.: *See*—
  Tsai, John J.; Jobe, Patrick G.; and Billmers, Robert L., 4,866,151, Cl. 527-300.000.
Jobin, Jean-Jacques: *See*—
  Goudreau, Roger; and Jobin, Jean-Jacques, 4,856,377, Cl. 74-768.000.
Jobling, David T.; and Newton, Anthony D., to Motorola, Inc. Time-base circuit. 4,855,651, 8-8-89, Cl. 315-387.000.
Jobmann, Ingo: *See*—
  Bruhnke, Ulrich; Korber, Jurgen; and Jobmann, Ingo, 4,838,599, Cl. 296-37.900.
  Bruhnke, Ulrich; Korber, Jurgen; Fischer, Helmut; Jobmann, Ingo; Feichtiger, Dieter; Deischl, Hans; Weikert, Gunther; Schumacher, Josef; and Claor, Klaus, 4,848,509, Cl. 180-287.000.
Jobs S.p.a.: *See*—
  Corsi, Armando, 4,838,531, Cl. 269-21.000.
Jobsis, Frans F., to Vander Corporation. Spectrophotometric method for quantitatively determining the concentration of a dilute component in a light- or other radiation-scattering environment. 4,805,623, 2-21-89, Cl. 128-633.000.
Jobst, Egon: *See*—
  Jobst, Georg; and Jobst, Egon, 4,862,969, Cl. 172-45.000.
Jobst, Georg; and Jobst, Egon, to G & E Jobst GmbH. Method and apparatus for cultivating plantable soils more particularly forest soils. 4,862,969, 9-5-89, Cl. 172-45.000.
Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, to Daimler-Benz Aktiengesellschaft. Headlamp for a motor vehicle. 4,860,173, 8-22-89, Cl. 362-61.000.
Jocher, Reiner; Dahm, Horst; and Haberle, Fritz, to Daimler-Benz Aktiengesellschaft. Motor vehicle headlamp. 4,866,577, 9-12-89, Cl. 362-80.000.
Jochim, Michael M.; and Jones, Suzanne C., to United States of America, Agriculture. Monoclonal antibodies to bluetongue virus antigen. 4,873,189, 10-10-89, Cl. 435-68.000.
Jochimsen, Siegfried. Blood clotting time measuring apparatus. 4,876,069, 10-24-89, Cl. 422-73.000.
Jochnick & Norrman Press AB: *See*—
  Larsson, Gosta, 4,844,350, Cl. 241-163.000.
Jochum, Gary L.: *See*—
  Burgess, William C.; Jochum, Gary L.; Goetzinger, David; and Beckius, David A., 4,852,748, Cl. 211-70.600.
Jochum, Peter; Zahler, Wolf-Dietrich; Gasser, Oswald; Lechner, Gunther; and Ellrich, Klaus, to ESPE Stiftung & Co. Produktions- und Vertriebs KG. Dental composition containing an aziridine compound and method of preparation. 4,867,790, 9-19-89, Cl. 106-35.000.
Jochum, Peter: *See*—
  Schmitt, Werner; Jochum, Peter; Zahler, Wolf-Dietrich; Hubner, Heijo; Holupirek, Manfred; Gasser, Oswald; and Herzig, Christian, 4,795,823, Cl. 560-182.000.
Jochun, Alain: *See*—
  Graton, Michel; and Jochun, Alain, 4,860,871, Cl. 192-106.100.
Jocic, Radisav, to Magna International (Canada) Inc. Pulley with integral hub construction. 4,824,422, 4-25-89, Cl. 474-170.000.
Jocic, Radisav, to Magna International (Canada) Inc. Pulley with hub construction of two axial parts. 4,824,423, 4-25-89, Cl. 474-170.000.
Jockle, Glenn A.: *See*—
  Shamsuddin, Abulkalam M.; Elsayed, Alaaeldeen M.; and Jockle, Glenn A., 4,857,457, Cl. 435-7.000.
Jockline, S R L.: *See*—
  Chiavetta, Sebastiano R.; and De Guglielmi, Giorgio, 4,874,163, Cl. 272-53.200.
Jodac, Inc.: *See*—
  Morton, John C., Jr., 4,811,475, Cl. 29-521.000.
Jodai, Tetsuji: *See*—
  Fujimori, Naoji; Harada, Keizo; Yazu, Shuji; and Jodai, Tetsuji, 4,866,032, Cl. 505-1.000.
  Itozaki, Hideo; Tanaka, Saburo; Fujita, Nobuhiko; Yazu, Shuji; and Jodai, Tetsuji, 4,880,773, Cl. 505-1.000.
Jodal, Sandor: *See*—
  Jaki, Laszlo; Jodal, Sandor; Mandzsu, Jozsef; and Pap, Endre, 4,823,490, Cl. 40-449.000.
Jodden, Klaus: *See*—
  Kolkmann, Friedrich; and Jodden, Klaus, 4,889,702, Cl. 423-323.000.
Joder, Andreas; Halder, Mathis; and Seitz, Thomas, to LGZ Landis & Gyr Zug AG. Measuring transformer to measure the current flowing in an electric conductor. 4,864,223, 9-5-89, Cl. 324-117.00H.
Joder, Andreas; and Renggli, Franz, to LGZ Landis & Gyr Zug AG. Circuit arrangement comprising input circuits to find a power output sum for application in multi-phase electricity meters. 4,881,027, 11-14-89, Cl. 324-107.000.
Joder, Andreas: *See*—
  Halder, Mathis; and Joder, Andreas, 4,853,620, Cl. 324-142.000.
Joder, Andy: *See*—
  Voisine, John T.; and Joder, Andy, 4,887,028, Cl. 324-142.000.
Jodlbauer, Heinz D., to Die intech Dr. Jodlbauer Gesellschaft fur Innovation und Technoogie mbH. Fast-cooked granular rice product and method of production thereof. 4,886,675, 12-12-89, Cl. 426-242 000.
Jodoi, Takashi: *See*—
  Ikeuchi, Hisaaki; Madokoro, Manabu; Sato, Haruo; and Jodoi, Takashi, 4,885,123, Cl. 376-233.000.
Jodrey, Robert M., to Dennison Manufacturing Company. Web transport motion compensation apparatus. 4,855,005, 8-8-89, Cl. 156-361.000.
Joe, Dick M.: *See*—
  Gelernter, Boaz; and Joe, Dick M., 4,811,023, Cl. 343-703.000.
Joe Santa & Associates Pty. Ltd.: *See*—
  Santa, Jose L., 4,829,879, Cl. 91-493.000.
Joe, Yukiyasu: *See*—
  Hiyama, Hisato; Joe, Yukiyasu; Kubota, Shunro; Tanaka, Toshihiko; and Kameda, Takuichi, 4,829,749, Cl. 53-538.000.
Joehlin, Stanley W.; and Klopping, Jeffrey N., to Glasstech International L.P. Temperature control system for glass sheet furnace. 4,807,144, 2-21-89, Cl. 364-473.000.
Joehr, Hans: *See*—
  Glaus, Heinrich; Lehmann, Peter; Joehr, Hans; and Freiburghaus, Rene , 4,798,231, Cl. 140-119.000.
Joelson, Carl R. Closed loop system for the manufacture and handling of concrete pipe. 4,798,698, 1-17-89, Cl. 264-271.100.
Joensen, Per: *See*—
  Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,822,590, Cl. 423-561.100.
  Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A., and Miremadi, Bijan K., 4,853,359, Cl. 502-220.000.
Joergensen, Reidar: *See*—
  de Haas, Peter; Ehrich, Robert; and Joergensen, Reidar, 4,801,245, Cl. 417-53.000.
Joern, Alfred; and Weimann, Wendelin, to Georg Fischer Aktiengesellschaft. Apparatus for the compacting of granular molding materials. 4,860,817, 8-29-89, Cl. 164-169.000.
Joerns Healthcare, Inc.: *See*—
  Peterson, Warren J.; Warner, Charles E.; and Waldmann, Peter J., 4,805,542, Cl. 108-150.000.
  Peterson, Warren J.; Warner, Charles E.; and Waldmann, Peter J., 4,828,208, Cl. 248-188.200.
Joffe, Edward J. Molded sheet holding clamps and frames. 4,835,891, 6-6-89, Cl. 40-647.000.
Joffe, Edward J. Interconnecting panels for knockdown structures. 4,884,854, 12-5-89, Cl. 312-257.100.
Joffe, Edward J. Knockdown drawers and bins. 4,887,874, 12-19-89, Cl. 312-258.000.
Joffee, Irving B.; Degen, Peter J.; and Baltusis, Frederick A., to Pall Corporation. Method of making polyvinylidene difluoride structure. 4,855,163, 8-8-89, Cl. 427-244.000.
Joffre, Paul F.: *See*—
  Perrotti, Patrick A.; Joffre, Paul F.; Karout[illegible]ses E.; Con[illegible] Lawrence V.; Bryan, William J.; and [illegible], Stephen C. 4,879,090, Cl. 376-462.000.

Jog Corporation: *See*—
  Jackson, Owen E., 4,861,384, Cl. 134-9.000.
Joge, Hans-Dieter: *See*—
  Schmidt, Gunter H. R.; Joge, Hans-Dieter; Sauer, Wilhelm R , and Spruit, Abraham C., 4,802,603, Cl. 220-268.000.
Jogema Holding B.V.: *See*—
  Broodman, Johannes J., 4,817,672, Cl. 138-113.000.
Jogen, Masao: *See*—
  Yamada, Hideji; Nagao, Akira; Nakajima, Toyohei; Suzaki, Yukihiko; Jogen, Masao; and Tanaka, Akira, 4,841,935, Cl. 123-432.000.
Jogler, Inc.: *See*—
  Jackson, William A., 4,807,473, Cl. 73-323.000.
Joh. A. Benckiser GmbH: *See*—
  Margureanu, Gabriella; and Gutmann, Friedrich, 4,855,494, Cl. 562-580.000.
Joh. Enschede En Zonen Grafische Inrichting B.V.: *See*—
  Plantenga, Tjalling M.; and Mulder, Gerhardus J., 4,830,902, Cl. 428-207.000.
Joh. Friedrich Behrens AG: *See*—
  Seld, Sigurd V., 4,856,696, Cl. 227-130.000.
Joh, Gunter, to Karl Joh Gummiwarenfabrik GmbH. Cylinder head cover with gasket and method of making the gasket. 4,819,953, 4-11-89, Cl. 277-235.00B.
Joh. Vaillant GmbH. u. Co.: *See*—
  Stuch, Dieter, 4,824,014, Cl. 237-8.00R.
Joh, Yasushi; and Kaneko, Noriaki, to Ube Industries, Ltd. Medical tubes with porous textured walls. 4,822,352, 4-18-89, Cl. 623-1.000.
Joh, Yasushi, to UBE Industries, Ltd. Compositions having antithrombogenic properties and blood contact medical devices using the same. 4,872,867, 10-10-89, Cl. 604-269.000.
Johann Haviland China: *See*—
  Colletti, Peter, 4,830,185, Cl. 206-449.000.
Johann Wolf GmbH KG: *See*—
  Wolf, Johann, 4,833,859, Cl. 52-730.000.
  Wolf, Johann, 4,846,237, Cl. 144-377.000.
  Wolf, Johann, 4,887,952, Cl. 411-466.000.
Johannaber, Friedrich: *See*—
  Fahner, Karsten; Johannaber, Friedrich; Depcik, Hans-Werner; Kaminski, Axel; and Van Hooren, Rudiger, 4,812,247, Cl. 252-511.000.
Johanndeiter, Martin H.; and Oldach, Detlef W. K., to U.S. Philips Corporation. Circuit arrangement for a television receiver comprising a video text decoder. 4,800,428, 1-24-89, Cl. 358-142.000
Johannes, Caspers, to Deutsche Thomson-Brandt GmbH. Device for securing compact disks on upright players. 4,809,255, 2-28-89, Cl. 369-270.000.
Johannes, Caspers, to Deutsche Thomson-Brandt GmbH. Elastic foot for apparatus. 4,846,428, 7-11-89, Cl. 248-188.800.
Johannes Heidenhain GmbH: *See*—
  Miller, Walter, 4,808,048, Cl. 409-239.000.
  Miller, Walter, 4,835,830, Cl. 29-447.000.
Johannes Menschner Maschinenfabrik GmbH & Co, KG: *See*—
  Riedel, Dieter, 4,809,378, Cl. 8-149.300.
Johannes Schaefer vorm. Stettiner Schraubenwerke GmbH & Co. KG: *See*—
  Funk, Hans G.; Neumann, Frank; and Schafer, Dankmar, 4,884,829, Cl. 285-24.000.
Johannes Zimmer Gesellschaft M.B.H.: *See*—
  Bohm, Walter, 4,838,159, Cl. 101-119.000.
Johannesen, Donald D.; and Taig, Alistair G., to Allied-Signal Inc. Electrically operated drum brake. 4,850,459, 7-25-89, Cl. 188-156.000.
Johannessen, Birger, to Minnesota Mining and Manufacturing Company. Hydroxyl-terminated polyepichlorohydrin polymers. 4,879,419, 11-7-89, Cl. 568-606.000.
Johannessen, Jorgen M., to Jorgen Mosbaek Johannessen ApS. Flow rate controller. 4,834,142, 5-30-89, Cl. 137-813.000.
Johannesson, Niels O., to Coloplast A/S. Method of manufacture of an external catheter for male urinary incontinence. 4,885,049, 12-5-89, Cl. 156-289.000.
Johannson, Gerald G.; and Trca, Gordon R., to International Power Blocks Holdings Ltd. Exercising device. 4,854,573, 8-8-89, Cl. 272-93.000.
Johansen, Edgar; and Johnsen, Hans K. Apparatus for testing of fluids. 4,888,981, 12-26-89, Cl. 73-60.100.
Johansen, Jack T.; and Widmer, Fred, to De Forenede Bryggeier A/S. Process for enzymatic production of peptides. 4,806,473, 2-21-89, Cl. 435-71.000.
Johansen, Kenneth L. Visual aid ruler. 4,842,521, 6-27-89, Cl. 434-187.000.
Johansen, Laurie A.; and Diffendaffer, Paul, to Suntiger, Inc. Ultraviolet radiation and blue light blocking polarizing lens. 4,878,748, 11-7-89, Cl. 351-44.000.
Johansen, Randi: *See*—
  Helmer, Ulla; Johansen, Randi; and Carlson, Ulf, 4,816,073, Cl. 106-238.000.
Johansen, Trond V.; Ruch, Ola; Naess, Ludvig; Weber, Robert; Veenhoff, Bernd; Porner, Horst; Laurer, Erwin; Strickroth, Erich; and Schabert, Hans-Peter, to Den Norske stats oljeselskap a.s. Shut-off device which can be inserted into a pipeline. 4,852,614, 8-1-89, Cl. 138-93.000.
Johansen, Trond V.: *See*—
  Ruch, Ola; Johansen, Trond V.; Naess, Ludvig; Poerner, Horst; Gebhard, Georg; Weber, Robert; and Heller, Max, 4,852,391, Cl. 73-40.50R.
Johansen, Ulrik, to Novenco A/S. Blade angle control device for use in an axial flow fan the blades of which are adjustable during operation. 4,844,696, 7-4-89, Cl. 416-157.00R.
Johansen, Ulrik, to Novenco A/S. Impeller for an axial flow fan. 4,844,697, 7-4-89, Cl. 416-157.00R.
Johanson, Jerry R., to J R Johanson, Inc. Solids blender with cylindrical inserts. 4,795,266, 1-3-89, Cl. 366-341.000.
Johanson, Niles W.; Saeger, James C.; and White, Mark L., to Ogden Environmental Services, Inc. Method and apparatus for cooling high-temperature processes. 4,883,115, 11-28-89, Cl. 165-1.000.
Johansson, Anders: *See*—
  DeMario, Edmund E.; Johansson, Anders; and Nylund, Olov, 4,839,136, Cl. 376-462.000.
Johansson, Anette M.: *See*—
  Arvidsson, Folke L. E.; Carlsson, Per A. E.; Hacksell, Uli A.; Hjorth, John S. M.; Johansson, Anette M.; and Lindberg, Per L., 4,876,284, Cl. 514-657.000.
Johansson, Arne; and Larsson, Torsten, to Aktiebolaget Bofors. Tool for positioning railway track components and method of manufacture. 4,848,240, 7-18-89, Cl. 104-10.000.
Johansson, Arne H. V. Shower and bath tub. 4,809,368, 3-7-89, Cl. 4-540.000.
Johansson, Bengt, to Flakt AB. Method and an arrangement for mixing a dry material with a liquid. 4,824,032, 4-25-89, Cl. 241-46.00B.
Johansson, Bengt: *See*—
  Liljestrom, Goran; and Johansson, Bengt, 4,831,951, Cl. 114-41.000.
  Liljestrom, Goran; and Johansson, Bengt, 4,860,679, Cl. 114-40.000.
Johansson, Bengt-Goran; Kreutz, Tomas; and Olausson, Bengt, to Lycab AB. Frame construction providing lead through facilities for cables or like devices. 4,823,526, 4-25-89, Cl. 52-220.000.
Johansson, Bernt, to PMB Vector AB. Sheet conveyer. 4,832,327, 5-23-89, Cl. 271-9.000.
Johansson, Bernt, to PMB Vector AB. Receiving device in a sheet conveyor for occasional collection of sheets before continued conveyance. 4,844,439, 7-4-89, Cl. 271-192.000.
Johansson, Bert: *See*—
  Grims, Conrad M.; and Johansson, Bert, 4,807,459, Cl. 72-347.000.
  Grims, Conrad M.; and Johansson, Bert, 4,870,852, Cl. 72-347.000.
Johansson, Bertil. Magazine locking means for firearms having a magazine in a pistol grip. 4,798,018, 1-17-89, Cl. 42-7.000.
Johansson, Bertil. Apparatus for operating the bolt in automatic weapons. 4,807,512, 2-28-89, Cl. 89-1.400.
Johansson, Bo, to Alfa-Laval Separation AB. Centrifugal separator. 4,813,923, 3-21-89, Cl. 494-48.000.
Johansson, Borje: *See*—
  Roberts, William; and Johansson, Borje, 4,863,515, Cl. 75-238.000.
Johansson, Catja: *See*—
  Carlquist, Mats; Jornvall, Hans; Forssmann, Wolf-Georg; Thulin, Lars; Johansson, Catja; and Mutt, Viktor, 4,806,336, Cl. 424-9.000.
Johansson, Eric B., to General Electric Company. Fuel column retainer using radially compressed spring. 4,871,509, 10-3-89, Cl. 376-412.000.
Johansson, Eric B., to General Electric Company. Double-d water rod for 9 by 9 fuel bundle. 4,876,063, 10-24-89, Cl. 376-444.000.
Johansson, Eric B., to General Electric Company. Hydraulic reinforcement of channel at lower tie-plate in BWR fuel bundle. 4,889,684, 12-26-89, Cl. 376-444.000.
Johansson, Erik K. G.; and Fahlen, Lennart K., to Aktiebolaget Electrolux. Device for a vacuum cleaner and a dust bag. 4,805,257, 2-21-89, Cl. 15-327.00R.
Johansson, Eva. Piece of material for an article of clothing and use of the piece of material for production of an article of clothing. 4,852,187, 8-1-89, Cl. 2-69.000.
Johansson, George T.; and Johansson, Maureen B., to International Business Machines Corporation. On-chip on-line AC and DC clock tree error detection system. 4,811,343, 3-7-89, Cl. 371-15.000.
Johansson, Goran; and Arts, Dirk, to Oy Uponor AB. Sleeve joint and method of producing such a sleeve joint. 4,807,910, 2-28-89, Cl. 285-21.000.
Johansson, Hans V., to Telefonaktiebolaget L M Ericsson. Method and apparatus for feeding power to a telephone line such that for restricted battery voltage there is enabled the transmission of an undistorted speech signal. 4,853,959, 8-1-89, Cl. 379-413.000.
Johansson, Ingemar: *See*—
  Axinger, Jan; Bergman, Bernt-Olov; Johansson, Ingemar; Lonnermo, Tomas; Paulsson, Lars; and Persson, Per-Olof, 4,829,903, Cl. 102-384.000.
Johansson, Jan: *See*—
  Chen, Shallop J.; and Johansson, Jan, 4,803,702, Cl. 375-106.000.
  Chen, Shallop J.; and Johansson, Jan, 4,808,905, Cl. 323-222.000.
Johansson, Jan A.; Jonsson, Jan I.; and Lindstrom, Bjorn T., to Aktiebolaget Electrolux. Patient lifting device. 4,875,555, 10-24-89, Cl. 187-9.00R.
Johansson, Jan-Erik, to Aktiebolaget Electrolux. Oil pump. 4,801,253, 1-31-89, Cl. 417-427.000.
Johansson, Jan H.; and Lunderius, Erik K., to Advanced Micro Devices, Inc. Low voltage and low power detector circuits. 4,882,506, 11-21-89, Cl. 307-296.100.
Johansson, Karl N.; Lindborg, Bjorn G.; and Noren, Jan-Olof, to Astra Lakemedel Aktiebolag. Guanine derivative. 4,798,833, 1-17-89, Cl. 514-262.000.
Johansson, Lennart, to BT Industries AB. Box handling apparatus. 4,878,798, 11-7-89, Cl. 414-280.000.
Johansson, Lennart: *See*—
  Ljungkvist, Stig-Ake; and Johansson, Lennart, 4,884,384, Cl. 52-741.000.

- Johansson, Mats, to Electrolux Motor Aktiebolag. Annular circular saw blade. 4,800,650, 1-31-89, Cl. 30-389.000.
- Johansson, Maureen B.: *See—*
  - Johansson, George T.; and Johansson, Maureen B., 4,811,343, Cl. 371-15.000.
- Johansson, Nils B.: *See—*
  - Gustafsson, Bengt O.; and Johansson, Nils B., 4,876,074, Cl. 423-210.500.
- Johansson, Nils E.: *See—*
  - Itil, Turan M.; Shapiro, Donald M.; Eralp, Emin; and Johansson, Nils E., 4,800,888, Cl. 128-644.000.
- Johansson, Roland T. W.; Langh, Stig A.; and Madsen, Knud, to Nokida Data Systems AB. Apparatus in cathode ray tubes for reducing the magnetic field strength in the tube environment. 4,851,737, 7-25-89, Cl. 315-8.000.
- Johansson, Rolf. Belt conveyor system. 4,854,447, 8-8-89, Cl. 198-817.000.
- Johansson, Rolf, to Saab-Scania Aktiebolag. Arrangement for the suspension of a lighting unit on vehicles. 4,887,191, 12-12-89, Cl. 362-61.000.
- Johansson, Rolf A. G., to Husqvarna Aktiebolag. Riding mower. 4,809,489, 3-7-89, Cl. 56-14.700.
- Johansson, Ronald C., to Minnesota Mining and Manufacturing Company. Wiring harness. 4,874,908, 10-17-89, Cl. 174-72.00A.
- Johansson, Ronald C.: *See—*
  - Fox, Albert H.; and Johansson, Ronald C., 4,839,473, Cl. 174-138.00F.
- Johansson, Rutger; and Paulsson, Lars, to ASEA Brown Boveri AB. Series capacitor equipment. 4,829,229, 5-9-89, Cl. 323-209.000.
- Johansson, Siv: *See—*
  - Gellerstedt, Nils; and Johansson, Siv, 4,833,992, Cl. 102-337.000.
- Johansson, Stig, to Intermatch Sweden AB. Method of controlling chemical reactivity and products produced by such method. 4,832,766, 5-23-89, Cl. 149-77.000.
- Johansson, Sven H.; and Nytomt, Jan G., to Saab-Scania Aktiebolag. Method and arrangement for generating ignition sparks in an internal combustion engine. 4,886,036, 12-12-89, Cl. 123-596.000.
- Johansson, Sven H.: *See—*
  - Gillbrand, Per S.; Johansson, Sven H.; and Nytomt, Jan G., 4,848,287, Cl. 123-162.000.
  - Hartwig, Carl S. M.; and Johansson, Sven H., 4,853,554, Cl. 290-46.000.
- Johansson, Villy: *See—*
  - Franzen, Arne; and Johansson, Villy, 4,846,071, Cl. 102-490.000.
- Johansson, Yngve, to Stal Refrigeration AB. Method and device for the manufacture of an ice slurry. 4,845,954, 7-11-89, Cl. 62-66.000.
- Johdai, Akiyoshi; Kinoshita, Keichi; Kubota, Kazuyuki; Matsui, Toshio; Yamada, Hirokazu; and Ohta, Masaya, to Minolta Camera Kabushiki Kaisha. Multiple speed sheet inverting and discharge. 4,814,825, 3-21-89, Cl. 355-14.0SH.
- Johdai, Akiyoshi; Kinoshita, Keichi; and Matsui, Toshio, to Minolta Camera Kabushiki Kaisha. Copying apparatus having an automatic document feeder with document circulating function and a paper container with paper binding function. 4,852,867, 8-1-89, Cl. 270-53.000.
- Johdai, Akiyoshi: *See—*
  - Ishikawa, Takuma; Maruyama, Tadashi; Johdai, Akiyoshi; Ishiguro, Kuniaki; and Matsui, Toshio, 4,872,062, Cl. 271-290.000.
- Johenning, Leon C., II: *See—*
  - Caulier, Paul W.; and Johenning, Leon C., II, 4,867,583, Cl. 400-124.000.
- John A. Kitchen Ltd.: *See—*
  - Kitchen, John A., 4,832,598, Cl. 432-103.000.
- John A. McDougal: *See—*
  - McDougal, John A.; and Lennington, John W., 4,809,662, Cl. 123-425.000.
- John Brown, Inc.: *See—*
  - Carlsen, Richard A., 4,854,844, Cl. 425-141.000.
- John Bunn Company, The: *See—*
  - McCombs, Norman R., 4,826,510, Cl. 55-179.000.
- John, Christian J.: *See—*
  - Webster, Charles; and John, Christian J., 4,878,589, Cl. 215-252.000.
  - Webster, Charles A.; and John, Christian J., 4,881,892, Cl. 425-577.000.
- John, Clarence D., Jr., to Westinghouse Electric Corp. Tube end processing system. 4,804,077, 2-14-89, Cl. 198-339.100.
- John, Clarence D., Jr.; McNerney, Francis C.; and Sanders, Thomas M., to Westinghouse Electric Corp. Tube flush etching, rinsing, drying, inspecting and plugging subsystem and method in a tube manufacturing system. 4,859,276, 8-22-89, Cl. 156-626.000.
- John, Clarence D., Jr.; and McNerney, Francis C., to Westinghouse Electric Corp. Tube flush etching, rinsing and drying apparatus and method. 4,863,555, 9-5-89, Cl. 156-625.000.
- John Cotton (Colone) Limited: *See—*
  - McConnell, Anthony; and Bedford, Anthony M., 4,812,186, Cl. 156-90.000.
- John Crane-Houdaille, Inc.: *See—*
  - Amundson, Donald E.; Hamaker, Jon B.; Pecht, Glenn G.; and Sedy, Josef, 4,889,348, Cl. 277-1.000.
- John Crane, Inc.: *See—*
  - Boutin, Allan J.; and Ocheda, Daniel D., 4,884,945, Cl. 415-174.200.
- John D. Brush & Co., Inc.: *See—*
  - Brush, John D., Jr.; and Beattie, Patrick J., 4,805,290, Cl. 29-434.000.
  - Leege, Richard C., 4,846,662, Cl. 425-522.000.
  - Leggs, Richard C.; and Arp, George F., 4,828,786, Cl. 264-515.000.
- John D. Hollingsworth on Wheels, Inc.: *See—*
  - Hollingsworth, John D.; Selent, Horst S.; and Keener, Gary F., 4,813,104, Cl. 19-98.000.
  - Hollingsworth, John D.; Garrison, Joe K.; Collins, Joel C.; Warnock, William A., deceased; Weiskel, Lillith, Legal Representative; Nyberg, Muriel R., Legal Representative; Warnock, Charles F., legal representative; and Pergande, Lorraine, legal representative, 4,831,691, Cl. 19-98.000.
  - Hollingsworth, John D.; and Rookstool, Gary H., 4,839,944, Cl. 19-105.000.
  - Pinto, Akiva, 4,823,440, Cl. 19-105.000.
  - Wells, Gary G.; and Crook, Kenneth L., 4,832,852, Cl. 210-671.000.
- John D. McCarry: *See—*
  - Foley, William M., Jr., 4,886,864, Cl. 526-264.000.
- John Deere Technologies International, Inc.: *See—*
  - Berkowitz, Murray; and Abraham, John, 4,889,091, Cl. 123-219.000.
- John, Eberhard: *See—*
  - Willkop, Franz; Zahring, Gerhard; Rutsch, Robert; Popp, Joachim; and John, Eberhard, 4,875,828, Cl. 415-173.400.
- John, Erwin R. Electroencephalographic system data display. 4,846,190, 7-11-89, Cl. 128-731.000.
- John Fluke Mfg. Co., Inc.: *See—*
  - Bhaskar, Kasi S.; and Peckol, James K., 4,849,880, Cl. 364-200.000.
  - Cok, Steven P., 4,878,231, Cl. 375-80.000.
  - Cok, Steven P.; and Lewandowski, Robert J., 4,884,035, Cl. 328-133.000.
  - Coulson, Kenneth A., 4,860,289, Cl. 371-12.000.
  - Coulson, Kenneth A.; Wong, Warren H.; and Johnson, Tod K. 4,864,512, Cl. 364-481.000.
  - Eccleston, Larry E., 4,841,170, Cl. 307-310.000.
  - Eccleston, Larry E., 4,841,229, Cl. 324-63.000.
  - Eccleston, Larry E., 4,859,936, Cl. 324-130.000.
  - Eng, Benjamin, Jr., 4,847,547, Cl. 320-35.000.
  - Guntheroth, Kurt, 4,876,684, Cl. 371-21.200.
  - Gurol, Ismail M., 4,861,640, Cl. 428-137.000.
  - Hammond, Robert W., 4,859,980, Cl. 338-308.000.
  - Henderson, Robert M.; and Szepesi, Leslie L., 4,868,516, Cl. 330-86.000.
  - Johnson, Craig V., 4,873,705, Cl. 371-21.200.
  - Jones, Wayne R.; and Voss, Daniel J., 4,835,469, Cl. 324-158.00F
  - Matson, Don P.; and Carpenter, William A., 4,847,507, Cl. 250-551.000.
  - Scott, Marshall H.; Cuckler, Robert E.; Polstra, John D.; Vannelli, Anthony R.; and Hazelton, W. Douglas, 4,868,822, Cl. 371-16.000.
- John, Glyn R.; Tury, Bernard; and Walker, Campbell F., to Imperial Chemical Industries PLC. Composition and use. 4,865,647, 9-12-89, Cl. 106-14.150.
- John, Gregory: *See—*
  - Alexander, Edward; and John, Gregory, 4,845,971, Cl. 72-146.000
- John, Gunter: *See—*
  - Prellwitz, Hubert; John, Gunter; Steglich, Christian; and Kruger, Astrid, 4,795,201, Cl. 289-1.500.
- John, Gunther, to Minnesota Mining and Manufacturing Company. Fire-protected electrical cable connection. 4,822,953, 4-18-89, Cl. 174-88.00R.
- John, Hans-Jurgen, to Meyer & John GmbH & Co. Tief- und Rohrleitungsbau. Thrust pipe. 4,808,032, 2-28-89, Cl. 405-184.000.
- John, Herbert: *See—*
  - Schubert, Klaus; Schmidt, Werner; Watzek, Gerhard; Koch, Erich; John, Herbert; and Kraus, Wolfgang, 4,813,736, Cl. 296-190.000
- John, Julius F., to Home Fashions, Inc. Vertical louver blind operating mechanism. 4,834,162, 5-30-89, Cl. 160-168.100.
- John, Julius F., to Home Fashions, Inc. Valance bracket for a vertical blind. 4,840,216, 6-20-89, Cl. 160-178.100.
- John, Julius F., to Home Fashions, Inc. Vertical louver blind having clutched operating mechanism. 4,844,139, 7-4-89, Cl. 160-168.100
- John Labatt Limited: *See—*
  - Lintor, John H.; and Hussar, Nick, 4,859,485, Cl. 426-623.000
- John M. Zeigler: *See—*
  - Zeigler, John M., 4,820,788, Cl. 528-33.000.
- John MacDonald & (Pneumatic Tools) Ltd.: *See—*
  - Allan, David T., 4,841,842, Cl. 91-234.000.
- John, Manolis. Air pollution control electrocatalytic converter 4,852,530, 8-1-89, Cl. 123-145.00A.
- John and Martin Holland and Associates: *See—*
  - Holland, John H., 4,880,363, Cl. 417-390.000.
- John Mellor Pty, Limited: *See—*
  - Mellor, John R.; and Patton, Duncan R., 4,863,135, Cl. 248-328.000
- John Messalingua Assoc. Inc.: *See—*
  - Szegda, Andrew, 4,869,679, Cl. 439-272.000.
- John O. Butler Company: *See—*
  - Tarrson, Emanuel B.; and Maric, Dane, 4,805,252, Cl. 15-167.100
- John R. Nalbach Engineering Co., Inc.: *See—*
  - Nalbach, John C., 4,825,995, Cl. 198-380.000.
  - Nalbach, John C., 4,865,181, Cl. 198-392.000.
- John, Reinmar: *See—*
  - Meyer, Rainer-Leo; John, Reinmar; Nagel, Rolf; and Muller, Gunter, 4,812,356, Cl. 428-220.000.
- John T. Hepburn, Limited: *See—*
  - Ballantyne, Ronald; and Malashenko, Leon, 4,819,555, Cl. 100-257.000.
  - Ballantyne, Ronald, 4,828,474, Cl. 425-150.000.

  - Ballantyne, Ronald; and Murray, Martin, 4,836,125, Cl. 114-294.000.
  - Ballantyne, Ronald, 4,841,898, Cl. 114-293.000.
  - Ballantyne, Ronald, 4,862,821, Cl. 114-293.000.
- John T. Roberts: *See—*
  - Roberts, John T.; and Reid, Philip L., 4,862,677, Cl. 53-498.000.
- John Waddington plc: *See—*
  - Freeman, Michael, 4,798,648, Cl. 156-542.000.
  - Tindall, John D., 4,886,680, Cl. 427-8.000.
- John Wyeth & Brother Limited: *See—*
  - Archibald, John L.; Ward, Terence J.; and White, Janet C., 4,801,595, Cl. 514-314.000.
  - Archibald, John L.; and Ward, Terence J., 4,806,552, Cl. 514-318.000.
  - Archibald, John L.; Ward, Terence J.; and White, Janet C., 4,866,075, Cl. 514-307.000.
  - Boyle, John T. A.; and Todd, Richard S., 4,808,715, Cl. 544-235.000.
  - Crossley, Roger, 4,873,237, Cl. 514-222.800.
  - Crossley, Roger, 4,889,846, Cl. 514-150.000.
  - Rule, Arthur W. T., 4,801,007, Cl. 206-217.000.
  - Shepherd, Robin G.; Chai, Sie-Yearl; Lichty, Maynard E.; and Milowsky, Arnold S., 4,812,574, Cl. 548-151.000.
  - Shepherd, Robin G.; Chai, Sie-Yearl; Lichty, Maynard E.; and Milowsky, Arnold S., 4,889,936, Cl. 548-149.000.
  - White, Alan C.; Cliffe, Ian A.; and Todd, Richard S., 4,803,207, Cl. 514-267.000.
- John Zink Company: *See—*
  - Pressnall, Dale W.; Keller, Michael R.; and Schwartz, Robert E., 4,798,150, Cl. 110-171.000.
  - Wright, Kenneth C.; and Stuck, Jerry L., 4,870,910, Cl. 110-190.000.
  - Young, John D.; and Fischer, Ernest A., 4,838,184, Cl. 110-346.000.
- Johna, Nobuo; Ishikawa, Tsutomu; Kawabe, Takeshi; and Nakamura, Masayoshi, to Lion Corporation. Laser emission material. 4,825,444, 4-25-89, Cl. 372-41.000.
- Johnan Seisakusho Co., Ltd.: *See—*
  - Sakai, Masanori, 4,839,544, Cl. 310-12.000.
- Johndrow, John P.: *See—*
  - Davies, Robert; and Johndrow, John P., 4,871,086, Cl. 221-4.000.
- Johne, Hans: *See—*
  - Hefftler, Victor; Johne, Hans; Schulz, Horst; Jentzsch, Arndt; and Schone, Helmut, 4,811,663, Cl. 101-183.000.
  - Hefftler, Victor; Johne, Hans; Schulz, Horst; Jentzsch, Arndt; and Schone, Helmut, 4,867,060, Cl. 101-183.000.
- Johner, Heinz, to BBC Brown, Boveri & Company, Limited. Optoelectronic reading pen. 4,800,257, 1-24-89, Cl. 235-472.000.
- Johnescu, Michael M.: *See—*
  - Capp, Randolph E.; Johnescu, Michael M.; Laudig, Ronald C.; Michael, George W.; and Smith, Donald L., 4,799,900, Cl. 439-585.000.
- Johnny Stewart Game Calls, Inc.: *See—*
  - Stewart, Johnny E., 4,850,928, Cl. 446-397.000.
- Johno, Hideki: *See—*
  - Murakami, Azuma; Hagiwara, Teruyoshi; Tuchida, Yoichi; and Johno, Hideki, 4,848,496, Cl. 178-19.000.
- Johns, Albert D.; Wnek, Patrick H.; and Marx, Ronald P., to James River-Norwalk, Inc. Method and apparatus for forming paperboard containers. 4,832,676, 5-23-89, Cl. 493-152.000.
- Johns, Antony, to AE PLC. Method and apparatus for the measurement of airfoils. 4,811,253, 3-7-89, Cl. 364-560.000.
- Johns, Benjamin I., Jr.; and Haynes, Patrick R., Jr., to Bacova Guild, Ltd., The. Mailbox for receiving decorative overlays. 4,813,595, 3-21-89, Cl. 232-17.000.
- Johns, Bryan: *See—*
  - Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,829,373, Cl. 358-88.000.
  - Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,849,912, Cl. 364-525.000.
- Johns, Earl R. C.: *See—*
  - Rauch, Gary C.; Young, David J.; Johns, Earl R. C.; Stone, Robert L.; and Messinger, Carolyn A., 4,816,119, Cl. 204-29.000.
- Johns, George A., to Nautilus Sports Medical Industries, Inc. Weight training machine safety shield. 4,809,973, 3-7-89, Cl. 272-118.000.
- Johns Hopkins University, The: *See—*
  - Chen, Chung-Ho; and Chen, Sumi C., 4,844,242, Cl. 206-5.100.
  - Chen, Chung-Ho; and Chen, Sumi C., 4,873,186, Cl. 435-1.000.
  - Costlow, Raymond J.; and Bates, Alvin G., 4,868,524, Cl. 331-16.000.
  - Cote, Alfred J., Jr., 4,833,716, Cl. 381-48.000.
  - Devereux, William S.; and Westerfield, Edwin E., 4,876,659, Cl. 364-717.000.
  - Frink, John G., 4,870,571, Cl. 364-200.000.
  - Hwu, Jih R.; and Robl, Jeffrey A., 4,855,437, Cl. 548-241.000.
  - Jenkins, Robert E.; Lee, D. Gilbert, Jr.; Moore, Robert C.; and Strohbehn, Kim, 4,805,228, Cl. 382-49.000.
  - Karweit, Michael J., 4,797,750, Cl. 358-335.000.
  - Kim, Boris F.; and Bohandy, Joseph, 4,799,270, Cl. 382-27.000.
  - Kim, Boris F., Bohandy, Joseph; Moorjani, Kishin; and Adrian, Frank J., 4,851,762, Cl. 324-71.600.
  - Ko, Harvey W., 4,819,648, Cl. 128-653.000.
  - Ko, Harvey W.; and Skura, Joseph P., 4,850,372, Cl. 128-734.000.
  - Ko, Harvey W.; Hart, Lynn W.; and Skura, Joseph P., 4,860,756, Cl. 128-653.000.
  - Lam, Veronica Y.; and Lam, Wing-Chee, 4,890,313, Cl. 378-189.000.
  - Lapp, Roger H., 4,809,918, Cl. 242-7.210.
  - Lesho, Jeffery C.; and Hogrefe, Arthur F., 4,844,076, Cl. 128-631.000.
  - Makofski, Robert A.; Massey, Joe T.; Mark, F. Fausten; Weiskopf, Francis B., Jr.; Guier, William H.; Walsh, Patrick C.; and Marshall, Fray F., 4,821,729, Cl. 128-660.030.
  - Moore, Robert C., 4,833,629, Cl. 364-555.000.
  - Newman, Arnold L., 4,822,566, Cl. 422-68.000.
  - Newman, Arnold L., 4,881,939, Cl. 600-31.000.
  - Packard, Beverly; Edidin, Michael; and Komoriya, Akira, 4,889,916, Cl. 525-54.100.
  - Parker, John G., 4,827,938, Cl. 128-633.000.
  - Potember, Richard S.; and Poehler, Theodore O., 4,825,408, Cl. 365-113.000.
  - Smith, Kennith A., 4,855,328, Cl. 521-88.000.
  - Yang, Nai-Chuen; and Leichner, Peter K., 4,856,528, Cl. 128-653.000.
- Johns Hopkins University, Med School, The: *See—*
  - Payne, Donna W.; and Talalay, Paul, 4,874,696, Cl. 435-26.000.
- Johns, Ken; Re, Alberto; and Bargigia, Gianangelo, to Ausimont S.p.A. Process for curing thermosetting resins by means of a liquid heat transmitter. 4,874,842, 10-17-89, Cl. 528-494.000.
- Johns, Ken W. E.; Briggs, Stuart; and Flabbi, Luciano, to Montedison S.p.A. Process for carrying out the soldering of electronic components on a support. 4,874,124, 10-17-89, Cl. 228-180.100.
- Johns-Manville Corporation: *See—*
  - Kielmeyer, William H., 4,842,928, Cl. 428-288.000.
- Johns, Owen L., to Smith & Nephew (Latin America), Inc. Low profile ostomy device. 4,872,869, 10-10-89, Cl. 604-342.000.
- Johns, Richard Martin: *See—*
  - Thompson, Noel E.; Johns, Richard Martin; Rozmus, Gregory; Voss, George F.; Edwards, William J.; and Thomas, Peter J., 4,881,392, Cl. 72-7.000.
- Johns, Robert H., to Allegheny Ludlum Corporation. Thermocouple selection switch. 4,821,285, 4-11-89, Cl. 374-152.000.
- Johns, Robert H., to Allegheny Ludlum Corporation. Apparatus for determining an edge profile of a metallic workpiece. 4,858,327, 8-22-89, Cl. 33-42.000.
- Johns, Robert R. Foil for flies. 4,841,667, 6-27-89, Cl. 43-42.370.
- Johns, Robert R. Fly tying tool. 4,870,772, 10-3-89, Cl. 43-1.000.
- Johns, Ron H.: *See—*
  - Ott, Granville E.; and Johns, Ron H., 4,829,431, Cl. 364-419.000.
- Johnsen, Anders. Device for mounting a rail or the like on a surface. 4,836,494, 6-6-89, Cl. 248-669.000.
- Johnsen, Anders. Sawing machine. 4,885,966, 12-12-89, Cl. 83-397.000.
- Johnsen, Hans K.: *See—*
  - Johansen, Edgar; and Johnsen, Hans K., 4,888,981, Cl. 73-60.100.
- Johnsen, Kenneth A.: *See—*
  - Leise, Walter F.; and Johnsen, Kenneth A., 4,820,285, Cl. 604-339.000.
- Johnsen, Stanley W.: *See—*
  - McIntyre, Raymond D.; and Johnsen, Stanley W., 4,877,961, Cl. 250-397.000.
- Johnsey, Walter F.; and Drummond, Donald D., to DRUMCO. Drill bit and drill assembly. 4,805,709, 2-21-89, Cl. 175-228.000.
- Johnske, David A., to Stone Container Corporation. Slotted partition apparatus for packaging. 4,795,083, 1-3-89, Cl. 229-120.360.
- Johnson, A. David, Jr.; Ginther, George E., Sr.; and Bachman, Joseph L., to Wayne Automation Corp. Method for opening and inserting multi-cell partitions. 4,829,747, 5-16-89, Cl. 53-457.000.
- Johnson, Alan: *See—*
  - Schuck, Hansjochen; Iredale, Peter J.; and Johnson, Alan, 4,804,632, Cl. 436-143.000.
- Johnson, Alan A.: *See—*
  - Barry, David L.; Dreher, Mark L.; Johnson, Alan A.; and Schroeder, Otto E., 4,824,684, Cl. 426-94.000.
- Johnson, Alan J.: *See—*
  - Mathews, Rita W.; and Johnson, Alan J., 4,847,362, Cl. 530-383.000.
- Johnson, Alan L. Hand propelled soil cultivation tool. 4,854,391, 8-8-89, Cl. 172-354.000.
- Johnson, Alan L.: *See—*
  - Hartless, Mac L.; and Johnson, Alan L., 4,860,373, Cl. 382-41.000
- Johnson, Alan T. Hoist and accumulator arm apparatus. 4,838,748, 6-13-89, Cl. 414-796.700.
- Johnson, Albin K.: *See—*
  - Stahl, Karl J.; Johnson, Albin K.; Reddersen, Brad R.; and Muckle, Alexander M., 4,805,162, Cl. 369-44.000.
- Johnson, Alexander L.; Ma, Philip; Timmermans, Petrus B. M. W. M.; and Wexler, Ruth R., to Du Pont de Nemours, E. I., and Company. 1,4-dihydropyridine derivatives with calcium agonist and alpha$_1$-antagonist activity. 4,868,181, 9-19-89, Cl. 514-252.000.
- Johnson, Alfred H.; Pohl, Peter; Prauer, Heinz; and Schulz, Dietmar, to Siemens Aktiengesellschaft; and IBM. Lightwave guide connector with release levers. 4,798,430, 1-17-89, Cl. 350-96.200.
- Johnson, Alfred N.; and Humphrey, Martin D., to Westinghouse Electric Corp. Apparatus for detecting radioactive contaminants on hand tools. 4,862,005, 8-29-89, Cl. 250-385.100.
- Johnson, Alfred N.; and Humphrey, Martin D., to Westinghouse Electric Corp. Conveyor apparatus for detecting radioactive material in garments. 4,866,277, 9-12-89, Cl. 250-385.100.
- Johnson, Allan B.: *See—*
  - Crawford, Alan D.; Johnson, Allan B.; and Trenary, John M., 4,845,795, Cl. 15-22.00R.

Johnson, Allan S.; and Eriksson, Alf, to Tapmatic Corporation. Clutching means adapted for tapping attachment. 4,832,542, 5-23-89, Cl. 408-139.000.

Johnson, Andrew B. Collapsible towing hitch. 4,869,521, 9-26-89, Cl. 280-491.100.

Johnson, April E. Face shield. 4,821,340, 4-18-89, Cl. 2-9.000.

Johnson, Arnold C.: *See—*

Rudolph, Achim J.; Johnson, Arnold C.; and Kennedy, Paul L., 4,829,164, Cl. 235-139.00R.

Johnson, Arthur C. W. Burner unit. 4,869,229, 9-26-89, Cl. 126-91.00A.

Johnson, Arthur F. Recovery of gases from non-viscous solvents. 4,802,897, 2-7-89, Cl. 55-55.000.

Johnson, Arthur F. Heat regenerator to recover both sensible and heat condensation of flue gases. 4,813,473, 3-21-89, Cl. 165-7.000.

Johnson, Arthur F.; and Sackett, Robert L., to RCM Industries Corporation. Economic recovery and utilization of boiler flue gas pollutants. 4,874,585, 10-17-89, Cl. 422-171.000.

Johnson, Arthur F., to Energy Conservation Partnership, Ltd. Heat regenerator to recover both sensible and heat of condensation of flue gases. 4,876,986, 10-31-89, Cl. 122-20.00B.

Johnson, Arthur K., Sr. Waterbed heater. 4,798,936, 1-17-89, Cl. 219-217.000.

Johnson, Arthur T. Large-signal airway resistance measurement. 4,856,532, 8-15-89, Cl. 128-720.000.

Johnson, Barrett; and Rubenstein, Charles B., to Ceramic Bonding, Inc. Process for the chemical bonding of heavy metals from sludge in the silicate structure of clays and shales and the manufacture of building and construction materials therewith. 4,882,067, 11-21-89, Cl. 210-688.000.

Johnson, Barry C.: *See—*

Crane, Jacob; Johnson, Barry C.; Mahulikar, Deepak; and Butt, Sheldon H., 4,888,449, Cl. 174-52.400.

Johnson, Barry E. Apparatus for carrying a cassette tape player and a plurality of cassette tapes on the body of a person. 4,834,274, 5-30-89, Cl. 224-240.000.

Johnson, Beamon M.: *See—*

Lauritzen, Ann M.; Baker, David S.; Christiansen, Margot H.; Johnson, Beamon M.; and Schuren, John G., 4,874,879, Cl. 549-536.000.

Johnson, Bernard D.: *See—*

Torley, Lawrence W.; Johnson, Bernard D.; and Dusza, John P., 4,876,252, Cl. 514-224.800.

Johnson, Bertram C.; and Herbst, Richard L., to Spectra Physics, Inc. Laser resonator with laser medium exhibiting thermally induced birefringence. 4,872,181, 10-3-89, Cl. 372-106.000.

Johnson, Bertram C.; DiFonzo, John C.; and Herbst, Richard L., to Spectra Physics, Inc. Pulsed tunable solid state laser. 4,873,692, 10-10-89, Cl. 372-20.000.

Johnson, Beverly E.: *See—*

Docherty, James P.; and Johnson, Beverly E., 4,818,222, Cl. 432-138.000.

Docherty, James P.; Johnson, Beverly E.; and Beri, Joseph, 4,834,650, Cl. 432-138.000.

Johnson, Bobby G.: *See—*

Perdue, Thad A.; and Johnson, Bobby G., 4,828,470, Cl. 425-23.000.

Johnson, Brad W.: *See—*

Johnson, Gary W.; and Johnson, Brad W., 4,832,369, Cl. 281-18.000.

Johnson, Bradford H. Irrigation system. 4,830,283, 5-16-89, Cl. 239-197.000.

Johnson, Bram B.: *See—*

Handy, Steven W.; Everman, E. Roger; Bloom, Gordon N.; and Johnson, Bram B., 4,832,204, Cl. 209-3.300.

Johnson, Brian: *See—*

Geen, John A.; and Johnson, Brian, 4,839,650, Cl. 341-118.000.

Johnson, Brian K. Cargo strap. 4,860,408, 8-29-89, Cl. 24-68.0CD.

Johnson, Brion, to Grass Valley Group, Inc., The. Transition status display for video switcher. 4,835,613, 5-30-89, Cl. 358-181.000.

Johnson, Brion; Kesti, Michael R.; and Reynolds, Keith Y., to Grass Valley Group, Inc. Interrupting a transition sequence between video sources. 4,890,163, 12-26-89, Cl. 358-181.000.

Johnson, Bruce C.; Hovatter, Thomas W.; Rice, Steven T.; and Chao, Herbert S., to General Electric Company. Aryl ester-grafted polyphenylene ethers and phenylene ether-amide graft copolymers prepared therefrom. 4,808,674, 2-28-89, Cl. 525-397.000.

Johnson, Bruce E.; and Naglosky, Max, III, to Minnesota Mining and Manufacturing Company. Paint transfer article and methods of preparation and use thereof. 4,818,589, 4-4-89, Cl. 428-201.000.

Johnson, Bruce E.; and Tsang, Paul, to Magnetic Peripherals Inc. On-the-fly error correction. 4,890,287, 12-26-89, Cl. 371-37.200.

Johnson, Bruce K.; and Whiteside, George D., to Polaroid Corporation. Camera having disconnectible manual controls for film unit removal assembly and a shade assembly. 4,800,405, 1-24-89, Cl. 354-86.000.

Johnson, Bruce M.: *See—*

Hathcock, Steven L.; and Johnson, Bruce M., 4,852,146, Cl. 379-58.000.

Johnson, Bruce S., to Harsco Corporation. Parasitic crane. 4,818,172, 4-4-89, Cl. 414-686.000.

Johnson, Bruce W. Material handling bucket with extensible and pivotally mounted apron assembly. 4,863,338, 9-5-89, Cl. 414-704.000.

Johnson, Bryce V.; and Kunde, Joyce M., to Minnesota Mining and Manufacturing Company. Extrudable thermoplastic hydrocarbon polymer composition. 4,863,983, 9-5-89, Cl. 524-140.000.

Johnson, Bryce V.: *See—*

Arzoumanidis, Gregory G.; Karayannis, Nicholas M.; Khelghatian, Habet M.; Lee, Sam S.; and Johnson, Bryce V., 4,866,022, Cl. 502-120.000.

Duchesne, Denis; and Johnson, Bryce V., 4,855,360, Cl. 525-187.000.

Johnson, Brynte H.: *See—*

Eger, Edmond I., II; and Johnson, Brynte H., 4,881,541, Cl. 128-203.250.

Johnson, Caldwell C.: *See—*

Faget, Maxime A.; Johnson, Caldwell C.; and Bergeron, David J., III, 4,834,325, Cl. 244-173.000.

Johnson, Carl R.; and Penning, Thomas D., to Board of Governors of Wayne State University. Process for the preparation of cyclopentanoids and novel intermediates produced thereby. 4,873,360, 10-10-89, Cl. 560-121.000.

Johnson, Carol: *See—*

Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, 4,831,526, Cl. 364-401.000.

Johnson, Caryn J.: *See—*

Glenning, John J.; Johnson, Caryn J.; Pawlowski, Walter P.; and Sakorafos, Kenneth G., 4,857,143, Cl. 156-668.000.

Johnson, Charles B., Box, Jeffrey L.; and Hildebrand, David B., to SRX Corporation. Distributed switching system. 4,799,216, 1-17-89, Cl. 370-67.000.

Johnson, Charles B.; and Augustine, Francis J., to ITT Electro Optical Products a Division of ITT Corporation. Small arms sight for use during daylight and nighttime conditions. 4,822,994, 4-18-89, Cl. 250-213.0VT.

Johnson, Charles D.: *See—*

Mayfield, Alfred B., 4,887,487, Cl. 74-687.000.

Johnson, Charles K.: *See—*

Kearney, Thomas G.; and Johnson, Charles K., 4,805,820, Cl. 224-252.000.

Johnson, Charles L.: *See—*

Cahill, Joseph J.; Johnson, Charles L.; Lewis, Steven D.; Mullins, Timothy J.; and Petz, Bruce R., 4,857,765, Cl. 307-443.000.

Johnson, Charles R., to Winner, James. Automobile steering lock 4,856,308, 8-15-89, Cl. 70-209.000.

Johnson, Charles S., to Wayne/Scott Fetzer Company. Venturi nozzle assembly construction in a shallow well pump casing. 4,820,131, 4-11-89, Cl. 417-83.000.

Johnson, Charles W.: *See—*

Glass, Suzanne L. E.; Johnson, Charles W.; and Spencer, John L., 4,845,194, Cl. 530-344.000.

Johnson, Chris G.: *See—*

Csuri, John O.; DeSiena, Bernard A.; Johnson, Chris G.; and Kisenwether, David L., 4,795,119, Cl. 248-222.200.

Johnson, Christopher P., III: *See—*

Shanklin, James R., Jr.; and Johnson, Christopher P., III, 4,835,164, Cl. 514-317.000.

Johnson, Clarence; and Johnson, Irene. Block puzzle. 4,844,466, 7-4-89, Cl. 273-157.00R.

Johnson, Clark E., Jr.: *See—*

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Johnson, Cleophas E.; and Finazzo, Lawrence M. Safety catch for container lifting hooks. 4,867,630, 9-19-89, Cl. 414-409.000.

Johnson, Clyde: *See—*

Van Horn, John W.; and Johnson, Clyde, 4,880,406, Cl. 464-38.000.

Johnson Controls, Inc.: *See—*

Beeson, Charles F., 4,836,497, Cl. 251-80.000.

Johnson, Corrine: *See—*

Kraft, Thomas L.; Vick, Howard A.; Meador, James W.; and Johnson, Corrine, 4,809,707, Cl. 128-736.000.

Johnson, Craig V., to John Fluke Mfg. Co., Inc. Method of and system for high-speed, high-accuracy functional testing of memories in microprocessor-based units. 4,873,705, 10-10-89, Cl. 371-21.200.

Johnson, Cynthia L. Adjustable animal appearing toy. 4,878,872, 11-7-89, Cl. 446-321.000.

Johnson, D. Bruce: *See—*

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Johnson, D. Emil, to Mobil Oil Corporation. Process of and apparatus for extruding a meltable composition. 4,832,889, 5-23-89, Cl. 264-68.000.

Johnson, D. Emil, to Mobil Oil Corporation. Process of an apparatus for extruding a meltable composition. 4,842,788, 6-27-89, Cl. 264-68.000.

Johnson, Dale B., to JWI Ltd. Composite forming fabric. 4,815,499, 3-28-89, Cl. 139-383.00A.

Johnson, Dale H.: *See—*

Quantrille, Thomas E.; and Johnson, Dale H., 4,837,079, Cl. 428-288.000.

Johnson, Dale R.: *See—*

Haley, Thomas W.; Drits, Vladimir; and Johnson, Dale R. 4,819,329, Cl. 29-860.000.

Johnson, Dale V.; Burkhardt, Joseph A.; and Childers, Thomas W., to Exxon Production Research Company. Heave compensated stabbing and landing tool. 4,858,694, 8-22-89, Cl. 166-355.000.

Johnson, Dale W.; Cussler, Edward L.; and Trank, Steven J., to University of Minnesota, Regents of the. Soy protein isolation process using swellable poly(N-isopropylacrylamide) gels. 4,863,613, 9-5-89, Cl. 210-670.000.

Johnson, Dan S.: *See—*

Henry, Steven G.; Johnson, Dan S.; Spears, Kurt E.; and Wanger, Mark E., 4,802,030, Cl. 360-60.000.

Johnson, Dannis R.: *See—*

Vercellotti, Leonard C.; Anderson, Arthur A.; Christiansen, David A.; Johnson, Dannis R.; Brickner, Laurence R.; Colclaser, Robert G., III; and Leddy, John G., 4,885,564, Cl. 340-310.00A.

Johnson, Darrel. Wood burning stove. 4,878,478, 11-7-89, Cl. 126-61.000.

Johnson, Darrell R.: *See—*

Marshall, Steven F.; Haden, Richard E., Jr.; and Johnson, Darrell R., 4,838,158, Cl. 101-105.000.

Johnson, David: *See—*

Augeri, James A.; Young, Paul R.; Richard, David W.; and Johnson, David, 4,870,703, Cl. 360-98.070.

Honeck, Karl-Heinz; Johnson, David; Neugebauer, Manfred; Teutsch, Walter; Kini, M. Vittal; and Stacey, Steven C., 4,800,532, Cl. 365-226.000.

Johnson, David A. Sling for carrying shoulder weapon in a horizontal orientation. 4,823,998, 4-25-89, Cl. 224-150.000.

Johnson, David A. Revolver speed loader. 4,866,870, 9-19-89, Cl. 42-89.000.

Johnson, David A.: *See—*

Johnson, Peter E.; Johnson, David A.; and Kahl, George W., 4,822,234, Cl. 414-798.900.

Johnson, Peter E.; and Johnson, David A., 4,824,307, Cl. 44-798.200.

Long, Michael E.; and Johnson, David A., 4,800,399, Cl. 346-76.0PH.

Slye, Bradley D.; and Johnson, David A., 4,835,464, Cl. 324-158.00F.

Zweifel, Terry L.; and Johnson, David A., 4,797,674, Cl. 340-968.000.

Johnson, David B.; Ebersole, Ronald J.; Huang, Joel C.; Neugebauer, Manfred; Page, Steven R.; and Self, Keith S., to Intel Corporation. Bus expander with logic for virtualizing single cache control into dual channels with separate directories and prefetch for different processors. 4,853,846, 8-1-89, Cl. 364-200.000.

Johnson, David E., to FLR, Inc. Apparatus and method for locating metal objects and minerals in the ground with return of energy from transmitter coil to power supply. 4,868,504, 9-19-89, Cl. 324-329.000.

Johnson, David L.: *See—*

Avidan, Amos A.; and Johnson, David L., 4,873,385, Cl. 585-415.000.

Avidan, Amos A.; and Johnson, David L., 4,873,389, Cl. 585-533.000.

Banavar, Jayanth R.; Johnson, David L.; Nagel, Sidney R.; and Safinya, Kambiz A., 4,855,912, Cl. 364-422.000.

Hornby, Brian E.; and Johnson, David L., 4,831,600, Cl. 367-31.000.

Johnson, David R.: *See—*

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Johnson, David S. Reusable container dispenser for ultra high purity chemicals and method of storage. 4,871,087, 10-3-89, Cl. 222-1.000.

Johnson, David W. Enclosure with interlocking frame joints. 4,809,146, 2-28-89, Cl. 362-367.000.

Johnson, David W. Structural support of interlocking lattice construction. 4,825,620, 5-2-89, Cl. 52-646.000.

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Fleming, James W.; Johnson, David W., Jr.; MacChesney, John B.; and Pardenek, Sandra A., 4,872,895, Cl. 65-18.100.

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Johnson, Dennis D., to Davidson Textron Inc. Direct drive servovalve with rotary valve. 4,800,924, 1-31-89, Cl. 137-625.230.

Johnson, Dennis M. Picture hook with safety closure. 4,821,992, 4-18-89, Cl. 248-493.000.

Johnson, Derrell Q., to North American Philips Corporation, Signetics Division. TTL compatible switching circuit having controlled ramp output. 4,855,622, 8-8-89, Cl. 307-456.000.

Johnson, Donald A.; and Conklin, Dave, to Coca-Cola Company, The. Data logger for a post-mix beverage dispensing system. 4,800,492, 1-24-89, Cl. 364-403.000.

Johnson, Donald A.: *See—*

Fong, Dodd W.; Hoots, John E.; and Johnson, Donald A., 4,801,388, Cl. 210-701.000.

Johnson, Donald A. H.: *See—*

Dewhurst, David J.; Ng, Chee W.; Hughes, Murray A.; and Johnson, Donald A. H., 4,829,574, Cl. 381-41.000.

Johnson, Donald C.; Neogi, Amar N.; and LeBlanc, Henry A., to Weyerhaeuser Company. Bacterial cellulose as surface treatment for fibrous web. 4,861,427, 8-29-89, Cl. 162-129.000.

Johnson, Donald C.; and Neogi, Amar N., to Weyerhaeuser Company. Sheeted products formed from reticulated microbial cellulose. 4,863,565, 9-5-89, Cl. 162-150.000.

Johnson, Donald E.: *See—*

Ryder, Francis E.; Johnson, Donald E.; and Krupp, Gerald L., 4,863,698, Cl. 422-116.000.

Johnson, Donald L.; Moser, Kenneth B.; and Valenty, Vivian, to A. E. Staley Manufacturing Company. Ionic derivatives of alkyl mono and polyglycosides. 4,806,275, 2-21-89, Cl. 252-554.000.

Johnson, Donald L., to A. E. Staley Manufacturing Company. Cross-linked corn bran and utilization in papermaking. 4,810,785, 3-7-89, Cl. 536-106.000.

Johnson, Donald L., Jr.: *See—*

Warren, Wayne F.; and Johnson, Donald L., Jr., 4,810,970, Cl. 324-338.000.

Johnson, Donald S.: *See—*

Critton, Thomas J.; Johnson, Donald S.; Pukalo, Walter P.; and Yorio, Ralph, 4,872,369, Cl. 74-574.000.

Johnson, Donavon W.; Neuman, Grover H.; Sauer, Charles H.; Shaheen-Gouda, Amal A.; and Smith, Todd A., to International Business Machines Corporation. System and method for accessing remote files in a distributed networking environment. 4,887,204, 12-12-89, Cl. 364-200.000.

Johnson, Douglas C.: *See—*

Shekleton, Jack R.; Johnson, Douglas C.; and Lafferty, Melvin K., 4,794,754, Cl. 60-39.360.

Johnson, Douglas R.; and Kruse, Randy P., to Deere & Company. Multi-disk synchronizer. 4,830,159, 5-16-89, Cl. 192-53.00G.

Johnson, Duane R.: *See—*

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Johnson, Duncan M.: *See—*

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Johnson, Dwight N. Spin disk evaporator. 4,833,895, 5-30-89, Cl. 62-304.000.

Johnson, Dwight N., to Masco Corporation of Indiana. Trim assembly. 4,858,252, 8-22-89, Cl. 4-368.000.

Johnson, Dwight N., to Masco Corporation of Indiana. Fluid fill valve with accurate fill level mechanism. 4,887,635, 12-19-89, Cl. 137-393.000.

Johnson, E. A.: *See—*

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Johnson, Edgar A., to Eaton Corporation. Fast switching frequency synthesizer. 4,800,341, 1-24-89, Cl. 331-2.000.

Johnson, Edward L.: *See—*

Rutz, David A.; Lee, Edward; Schaefer, Robert P.; and Johnson, Edward L., 4,802,828, Cl. 416-241.00B.

Johnson, Edward M., to Kolcraft Products, Inc. Harness adjusting mechanism. 4,886,315, 12-12-89, Cl. 297-250.000.

Johnson, Edward R. Process for absorbing liquid leaks and spills. 4,840,734, 6-20-89, Cl. 210-660.000.

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Adjei, Akwete L.; Johnson, Edwin S.; and Kesterson, James W., 4,851,211, Cl. 424-40.000.

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Baines, Roger F., 4,851,729, Cl. 310-239.000.

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Lau, James C., 4,883,998, Cl. 310-239.000.

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Johnson, Elizabeth A.: *See—*

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,199, Cl. 514-411.000.

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,200, Cl. 514-418.000.

Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,205, Cl. 514-456.000.

Carethers, Mary E.; Centenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,874,758, Cl. 514-226.500.

Johnson, Eric D.: *See—*

Hovis, Edward E.; and Johnson, Eric D., 4,842,794, Cl. 264-145.000.

Johnson, Eric N., to BOC Group, Inc., The. Blood constituent monitoring apparatus and methods with frequency division multiplexing. 4,800,885, 1-31-89, Cl. 128-633.000.

Johnson, Ernest W.; Johnson, John W.; and Pontrelli, David C. Log delimbing and cutoff device. 4,850,405, 7-25-89, Cl. 144-2.00Z.

Johnson, Eugene M., Jr., to Washington University. Tumor diagnostic method. 4,855,241, 8-8-89, Cl. 436-548.000.

Johnson Filtration Systems, Inc.: *See—*

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Johnson, Francis E.: *See—*

Bean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.;

Scanlon, John F.; and Wyman, Leslie W., 4,843,541, Cl. 364-200.000.

Johnson, Frank M. Method of identification of rolled-up sheets of material. 4,876,809, 10-31-89, Cl. 40-309.000.

Johnson, Fred D., to Zenith Electronics Corporation. Anti-flaring video output amplifier circuit and technique. 4,825,294, 4-25-89, Cl. 358-243.000.

Johnson, Gale, to Fort Lock Corporation. High security pin tumbler lock. 4,802,354, 2-7-89, Cl. 70-491.000.

Johnson, Gary A.: *See*—
Galloway, W. Rut; and Johnson, Gary A., 4,831,793, Cl. 52-86.000.

Johnson, Gary M.; and Nevill, Leland R., to Micron Technology, Inc. Short-resistant decoupling capacitor system for semiconductor circuits. 4,879,631, 11-7-89, Cl. 361-386.000.

Johnson, Gary W., to Allied-Signal, Inc. Multidirectional force-sensing transducer. 4,809,552, 3-7-89, Cl. 73-517.00R.

Johnson, Gary W.; and Johnson, Brad W. Wind resistant clipboard-/padholder. 4,832,369, 5-23-89, Cl. 281-18.000.

Johnson, George H. Method and tool for rewinding a recoil starter spring. 4,807,347, 2-28-89, Cl. 29-402.010.

Johnson, Gerald H., Jr.: *See*—
Lobel, Gary S.; Goldberg, Steven J.; and Johnson, Gerald H., Jr., 4,882,729, Cl. 370-85.100.

Johnson, Gerald L.: *See*—
Bhalaik, Arun; Braddick, Peter W.; Brittin, Darryl S.; and Johnson, Gerald L., 4,808,036, Cl. 405-217.000.

Johnson, Gerald W. Laser-surgical instrument with evacuation tip. 4,850,352, 7-25-89, Cl. 128-303.100.

Johnson, Gerald W.; and Johnson, Jeffrey W. Vacuum apparatus. 4,888,003, 12-19-89, Cl. 604-319.000.

Johnson, Glenn W., Jr. Knee brace having adjustable inflatable U-shaped air cell. 4,872,448, 10-10-89, Cl. 128-80.00C.

Johnson, Gordon C.: *See*—
Totten, George E.; and Johnson, Gordon C., 4,836,951, Cl. 252-174.210.

Johnson, Gordon E. Combined cover and attaching means for concealing a deadbolt lock. 4,838,059, 6-13-89, Cl. 70-209.000.

Johnson, Gordon G.: *See*—
Zimmerman, Patrick G.; Johnson, Gordon G.; Korpela, Susan L.; and Vernon, Caroline L., 4,818,610, Cl. 428-345.000.

Johnson, Gordon H.: *See*—
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Johnson, Graham; and Pavia, Michael R., to Warner-Lambert Company. Substituted 2-aminobenzothiazoles and derivatives useful as cerebrovascular agents. 4,826,860, 5-2-89, Cl. 514-367.000.

Johnson, Graham: *See*—
Coughenour, Linda L.; and Johnson, Graham, 4,837,226, Cl. 514-443.000.

Johnson, Graham R.; and Rutter, Paul R., to British Petroleum Company p.l.c., The. Precipitation of asphaltene. 4,846,957, 7-11-89, Cl. 208-86.000.

Johnson, Grannis S.; Grinstein, Reuben H.; Hartman, Stuart J.; and Dallago, Raymond P., to Henkel Corporation. Polythiols and use as epoxy resin curing agents. 4,879,414, 11-7-89, Cl. 564-388.000.

Johnson, Gregg E.: *See*—
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Johnson, Hans K. Method and apparatus for measuring the flow rate and velocity of a liquid in a pipeline. 4,856,347, 8-15-89, Cl. 73-861.720.

Johnson, Harlan B.; Wiedrich, Charles R.; Allen, Ernie I.; and Howell, Peter P., to PPG Industries, Inc. Calcium hypochlorite composition. 4,865,760, 9-12-89, Cl. 252-187.280.

Johnson, Harlan B.: *See*—
Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,837,253, Cl. 523-443.000.
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Johnson, Harold K., to Mid America Machine Corp. Bag top forming method and apparatus. 4,872,303, 10-10-89, Cl. 53-481.000.

Johnson, Harold P.: *See*—
Metala, Michael J.; Clark, William G., Jr.; Junker, Warren R.; Burtner, Lee W.; Arzenti, Thomas E.; Johnson, Harold P.; Vestovich, Robert P.; and Bevilacqua, Bruce W., 4,856,337, Cl. 73-601.000.

Johnson, Harold R., III, to Emerson Electric Co. System for mounting a power transmission member to a shaft. 4,884,916, 12-5-89, Cl. 403-370.000.

Johnson, Harold R., III: *See*—
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Johnson, Harold W.; Mastel, James M.; and Scott, Alan L., to Ashbrook-Simon-Hartley Corporation. Apparatus for regulating feed thickness in a belt press. 4,836,100, 6-6-89, Cl. 100-118.000.

Johnson, Harry; and Ware, Ralph M., to Casper Colosimo & Son, Inc. Embedding cablelike members. 4,812,079, 3-14-89, Cl. 405-164.000.

Johnson, Henry L.: *See*—
Doering, Charles W.; Caudill, Garland E.; Johnson, Henry L.; and Thomas, Bruce A., 4,836,610, Cl. 298-6.000.

Johnson, Herbert A.: *See*—
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Johnson, Herbert C.: *See*—
Shifflet, Glenn; Johnson, Herbert C.; and Revenaugh, Paul W., 4,838,077, Cl. 73-118.100.

Johnson, Horton. Engine noise simulating device for a bicycle. 4,875,885, 10-24-89, Cl. 446-189.000.

Johnson, Howard B., to Consolidated Ceramic Products, Inc. Alumina and MgO preheatable insulating refractory liners and methods of using. 4,869,468, 9-26-89, Cl. 266-44.000.

Johnson, Howard L.: *See*—
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Johnson, Howard R. Magnetic force generating method and apparatus. 4,877,983, 10-31-89, Cl. 310-12.000.

Johnson, Hugh I.: *See*—
Colledge, Alan L.; and Johnson, Hugh I., 4,856,775, Cl. 272-134.000.

Johnson, Ian M.; Moody, Ian M.; and Flesher, Peter, to Allied Colloids Limited. Surface treatment of polymers. 4,798,861, 1-17-89, Cl. 524-458.000.

Johnson, Ian S.: *See*—
Renowden, Paul S.; Kenning, John H.; and Johnson, Ian S., 4,807,812, Cl. 239-132.000.

Johnson Industries, Inc.: *See*—
Ball, Richard I., 4,798,359, Cl. 248-188.300.

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Johnson, Irvin D., to Marathon Oil Company. Oil well tool for in situ release of wellbore treatment fluid. 4,809,778, 3-7-89, Cl. 166-310.000.

Johnson, Ivy D.: *See*—
Chin, Arthur A.; Johnson, Ivy D.; Kresge, Charles T.; and Sarli, Michael S., 4,889,615, Cl. 208-113.000.
Landis, Michael E.; Aufdembrink, Brent A.; Chu, Pochen; Johnson, Ivy D.; Kirker, Garry W.; Page, Nancy M.; and Rubin, Mae K., 4,859,648, Cl. 502-242.000.

Johnson, J. Les; and Hanning, John R., to Parker Hannifin Corporation. Low restriction fluid control valve. 4,825,907, 5-2-89, Cl. 137-625.250.

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Johnson, James N. Micro-abrasive finishing device. 4,796,387, 1-10-89, Cl. 51-62.000.

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Johnson, James R., to Burlington Industries, Inc. Flame retardant treatments for polyester/cotton fabrics. 4,842,609, 6-27-89, Cl. 8-115.700.

Johnson, James R.: *See*—
Hudgens, Mark; and Johnson, James R., 4,832,677, Cl. 493-369.000.

Johnson, Janice A.: *See*—
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Johnson, Jeffrey B., to Avita Health and Fitness Products Inc. System for determining performance on an exercise rowing machine. 4,867,447, 9-19-89, Cl. 272-72.000.

Johnson, Jeffrey B.: *See*—
Rasmussen, Robert A.; Johnson, Jeffrey B.; MacLean, William D.; and Ish III, Arthur B., 4,809,972, Cl. 272-118.000.

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Johnson, Jeffrey D.: *See*—
Dietz, Ronald P.; and Johnson, Jeffrey D., 4,799,140, Cl. 364-140.000.

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Johnson, Jeffrey W.: *See*—
Johnson, Gerald W.; and Johnson, Jeffrey W., 4,888,003, Cl. 604-319.000.

Johnson, Jerry. Bow sight. 4,846,141, 7-11-89, Cl. 124-87.000.

Johnson, Jerry E.: *See*—
Drane, Mark R.; Johnson, Jerry E.; and Ragusa, Samuel L., 4,805,541, Cl. 108-27.000.
Vache, John P.; Johnson, Jerry E.; Hocker, Lon O.; and Godin, John H., 4,816,822, Cl. 340-825.150.

Johnson, Jerry L.: *See*—
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Martin, Craig A.; and Johnson, Jerry L., 4,822,405, Cl. 71-92.000.

Johnson, Joel R.: *See*—
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Johnson, John A. Container coupler. 4,856,150, 8-15-89, Cl. 24-287.000.

Johnson, John A.: *See*—
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Johnson, John J., IV; and Johnson, John J., Jr. Apparatus for actuating an inhaler. 4,803,978, 2-14-89, Cl. 128-200.230.

Johnson, John L., to United States of America, Army. Optical processor for an adaptive pattern classifier. 4,804,250, 2-14-89, Cl. 350-162.120.

Johnson, John L.: *See*—
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Johnson, John P.: *See*—
Thomas, Clifford R.; and Johnson, John P., 4,868,547, Cl. 340-646.000.

Johnson, John W., to Chaldar, Inc. Seal-flushing in centrifugal-pumps, improved methods and apparatuses. 4,878,676, 11-7-89, Cl. 277-24.000.

Johnson, John W.: *See*—
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Johnson & Johnson: *See*—
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Johnson & Johnson Consumer Products, Inc.: *See*—
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Johnson & Johnson GmbH: *See*—
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Kammerer, Gene W.; and Barcan, Donald, 4,797,309, Cl. 428-35.300.

Johnson & Johnson Patient Care, Inc.: *See*—
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Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J.; Johnson, Karle J.; Smetana, Bruce A.; Westling, Gregory L.; Paneth, Eric; and Yehushua, Moshe, 4,881,240, Cl. 375-15.000.

Johnson, Keith, Jr.; Stachura, Joseph F.; and Wilson, Josita M., to AMP Incorporated. Method and apparatus for terminating flexible wires. 4,831,727, 5-23-89, Cl. 29-866.000.

Johnson, Keith A.: *See*—
Butler, John D.; and Johnson, Keith A., 4,870,878, Cl. 81-9.510.

Johnson, Keith D. High temperature vacuum probe. 4,852,916, 8-1-89, Cl. 285-187.000.

Johnson, Keith M., to Medtronic, Inc. Prosthetic heart valve. 4,808,180, 2-28-89, Cl. 623-2.000.

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Kumar, Shalabh; and Johnson, Keith R., 4,810,917, Cl. 310-68.00R.

Johnson, Kendrick A. Coffee carafe. 4,879,146, 11-7-89, Cl. 428-35.700.

Johnson, Kenneth A. Prophylactic device. 4,807,611, 2-28-89, Cl. 128-844.000.

Johnson, Kenneth M.: *See*—
Brightbill, Jerry D.; and Johnson, Kenneth M., 4,800,906, Cl. 134-56.00R.
Carson, Forrest L.; and Johnson, Kenneth M., 4,886,303, Cl. 285-99.000.
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Johnson, Kerrie A.: *See*—
Sofia, Samuel C.; Johnson, Kerrie A.; Crill, Marla S.; Roop, Martin J.; Gotberg, Steven R.; Nigrelli, Anthony S.; and Hutchinson, Laurence S., 4,795,531, Cl. 162-164.600.

Johnson, Kevin K.; Bruckner, Gerald M.; and Bader, Brian E., to Hobart Corporation. Control system and method for a food product slicer. 4,813,316, 3-21-89, Cl. 83-42.000.

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Johnson, Lance A. Roller window screen. 4,862,942, 9-5-89, Cl. 160-99.000.

Johnson, Lanny L.; Brissette, Robert E.; and Bonnell, Leonard J., to Dyonics, Inc. Surgical abrading instrument. 4,842,578, 6-27-89, Cl. 604-22.000.

Johnson, Larry B.; Curtis, Thomas K., Jr.; and Allred, Gary A., to Carousel Investment Corporation. Prefabricated gift box. 4,858,822, 8-22-89, Cl. 229-137.000.

Johnson, Larry K.: *See*—
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Johnson, Lawrence A.: *See*—
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Johnson, Lenard W.; and Johnson, Thomas C., to LTJ Enterprises, Inc. Visual indicator. 4,829,820, 5-16-89, Cl. 73-290.00R.

Johnson, Lenard W.: *See*—
Johnson, Thomas C.; and Johnson, Lenard W., 4,799,383, Cl. 73-290.00R.

Johnson, Lennart B.; Walkup, William B.; and Laychak, Steven F., to Teradyne, Inc. Backplane connector. 4,869,677, 9-26-89, Cl. 439-80.000.

Johnson, Lennart B., to Teradyne, Inc. Electrical connector. 4,871,321, 10-3-89, Cl. 439-79.000.

Johnson, Leo D. Ironing board. 4,799,321, 1-24-89, Cl. 38-103.000.

Johnson, Leonard E., Jr., to L. E. Johnson Products, Inc. Door hinge. 4,873,744, 10-17-89, Cl. 16-247.000.

Johnson, Leonard L.: *See*—
Beaver, Robert A.; Johnson, Leonard L.; and Medlen, Lester R., 4,860,648, Cl. 101-35.000.

Johnson, Lloyd D.: *See*—
Raudat, John L.; and Johnson, Lloyd D., 4,878,337, Cl. 53-534.000.

Johnson, Loren E.; Norton, Kenneth A.; Pawlowski, Norman E.; and Wooding, Margaret L., to Hewlett-Packard Company. Low glycol inks for plain paper printing. 4,853,037, 8-1-89, Cl. 106-22.000.

Johnson, Loren E.: *See*—
Pawlowski, Norman E.; Bares, Steven J.; Johnson, Loren E.; and Hindagolla, Suraj L., 4,836,851, Cl. 106-22.000.

Johnson, Lorin K.: *See*—
Lewicki, John A.; Scarborough, Robert M., Jr.; and Johnson, Lorin K., 4,804,650, Cl. 514-15.000.

Johnson, Luther E.: *See*—
Gram, Martin M.; Johnson, Luther E.; and Larsen, Carl G., 4,843,888, Cl. 73-856.000.

Johnson, Lyle. Strain relief clamp assembly. 4,869,687, 9-26-89, Cl. 439-470.000.

Johnson, Lyle A., Jr.; and Sudduth, Bruce C., to Western Research Institute. Contained recovery of oily waste. 4,848,460, 7-18-89, Cl. 166-245.000.

Johnson, Lyle F. Strain relief clamp assembly. 4,863,396, 9-5-89, Cl. 431-470.000.

Johnson, Lynn A.: *See*—
Proxmire, Deborah L.; Endres, Dan D.; Wilson, John C.; Johnson, Lynn A.; Zehner, Georgia L.; Boland, Leona G.; and Stevens, Robert A., 4,872,871, Cl. 604-394.000.

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Johnson, Malcolm: *See*—
Collington, Eric W.; Finch, Harry; Judd, Duncan B.; Johnson, Malcolm; and Strong, Peter, 4,847,255, Cl. 514-212.000.

Johnson, Marion; Hahn, Granville J.; and Ramos, Ramiro V., to Permian Research Corporation. Composition for plastic article with unitarily molded foam layer. 4,866,100, 9-12-89, Cl. 521-91.000.

Johnson, Marion; and Hahn, Granville J., to Permian Research Corporation. Plastic closure with barrier coating. 4,872,573, 10-10-89, Cl. 215-347.000.

Johnson, Marion; Hahn, Granville J.; and Ramoos, Ramiro V., to Permian Research Corporation. Composition for plastic article with unitarily molded foam layer. 4,879,138, 11-7-89, Cl. 428-218.000.

Johnson, Mark D.; and Smith, Nelson W., to Pennwalt Corporation. Metal working lubricant. 4,824,586, 4-25-89, Cl. 252-49.500.

Johnson, Mark D., to Pennwalt Corporation. High solids liquid alkaline cleaners. 4,869,844, 9-26-89, Cl. 252-159.000.

Johnson, Mark E.: *See*—
Beyer, James D.; and Johnson, Mark E., 4,882,179, Cl. 426-36.000.

Johnson, Mark G.; and Taylor, Ronald T., to SGS-Thomson Microelectronics, Inc. Defective element disabling circuit having a laser-blown fuse. 4,829,481, 5-9-89, Cl. 365-200.000.

Johnson, Mark J., to Motorola, Inc. Automatic channel polarity detection and correction arrangement and method. 4,807,261, 2-21-89, Cl. 375-114.000.

Johnson, Mark R., to Dow Chemical Company, The. Dehydrohalogenation of ring-halogenated α-halocumenes. 4,861,927, 8-29-89, Cl. 570-200.000.
Johnson, Marvin M., to Phillips Petroleum Company. Purification and hydrogenation of sulfolenes. 4,861,900, 8-29-89, Cl. 549-87.000.
Johnson, Marvin M.: *See—*
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Picker, Donald H.; Abrams, Michael J.; Vollano, Jean F.; and Giandomenico, Christen M., 4,851,403, Cl. 514-185.000.
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Johnson Matthey Public Limited Company: *See—*
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McGill, Ian R.; and Kennedy, David, 4,824,735, Cl. 428-610.000.
McGill, Ian R.; and Lucas, Kevin A., 4,828,933, Cl. 428-610.000.
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Johnson, Michael J.: *See—*
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Johnson, Michael R.; and Melvin, Lawrence S., Jr., to Pfizer Inc. Producing analgesia with pharmacologically active 2-hydroxy-4-(substituted) phenyl cycloalkane derivatives. 4,831,059, 5-16-89, Cl. 514-690.000.
Johnson, Michael R.; and Melvin, Lawrence, Jr., to Pfizer Inc. Pharmacologically active 4-[2-hydroxy-4-(substituted)phenyl]naphthalen-2(1H)-ones and 2-ols, derivatives thereof and intermediates therefor. 4,835,192, 5-30-89, Cl. 514-729.000.
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Eggler, James F.; Johnson, Michael R.; and Melvin, Lawrence S., Jr., 4,863,934, Cl. 514-320.000.
Eggler, James F.; Johnson, Michael R.; and Melvin, Lawrence S., Jr., 4,870,084, Cl. 514-320.000.
Johnson, Michael T. V.; and Maurer, Donald D., to Empi, Inc. Intravaginal electrode and stimulation system for controlling female urinary incontinence. 4,881,526, 11-21-89, Cl. 128-24.500.
Johnson, Neale E.; and Markham, Carmen F., to Markham, Carmen F. Magnetic rodent control method. 4,870,779, 10-3-89, Cl. 43-124.000.
Johnson, Neil H., to Detroit Stoker Company. Method of desulfurizing combustion gases. 4,867,955, 9-19-89, Cl. 423-244.000.
Johnson, Neil J.: *See—*
Langendorf, Brian K.; and Johnson, Neil J., 4,860,197, Cl. 364-200.000.
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Johnson, Norman B., to Mike Sell's Potato Chip Co. Food product precooking method and apparatus. 4,867,049, 9-19-89, Cl. 99-330.000.
Johnson, Norman J.; and Anand, Raj K., to Anand, Raj K. Thermoelectrically controlled heat medical catheter. 4,860 744, 8-29-89, Cl. 128-303.100.
Johnson, Oliver F., to Jensen, Kurt. Resettable multiple timer. 4,813,030, 3-14-89, Cl. 368-93.000.
Johnson, Paul; and Karnebogen, Karl W., to Bayerische Motoren Werke Aktiengesellschaft. Air outlet arrangement of a heating and-/or air-conditioning installation, especially for the rear space of a passenger motor vehicle. 4,840,115, 6-20-89, Cl. 98-2.030.
Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., to Black & Decker, Inc. Calcification indicator. 4,827,837, 5-9-89, Cl. 99-280.000.
Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., to Black & Decker Corporation. Carafe-operated coffee brewing system. 4,872,402, 10-10-89, Cl. 99-280.000.
Johnson, Paul E.: *See—*
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Johnson, Paul R.; and Wheeler, Kevin M., to Dover Resources, Inc. Pump rotor. 4,822,265, 4-18-89, Cl. 418-182.000.
Johnson, Peter D.; Dakin, James T.; and Anderson, John M., to General Electric Company. High efficacy electrodeless high intensity discharge lamp. 4,810,938, 3-7-89, Cl. 315-248.000.
Johnson, Peter E.; and Young, James, to Entek Manufacturing, Inc. Method for degreasing a continuous sheet of thin material. 4,804,420, 2-14-89, Cl. 134-15.000.
Johnson, Peter E.; and Young, James, to Entek Manufacturing Inc. Apparatus for degreasing a continuous sheet of thin material. 4,813,440, 3-21-89, Cl. 134-105.000.
Johnson, Peter E.; Johnson, David A.; and Kahl, George W., to Tekmax Inc. Plate feed apparatus. 4,822,234, 4-18-89, Cl. 414-798.900.
Johnson, Peter E.; and Johnson, David A., to Tekmax Inc. Apparatus for vertically stacking battery plates. 4,824,307, 4-25-89, Cl. 44-798.200.
Johnson, Peter W.; and Quarendon, Peter, to International Business Machines Corporation. Interactive display system. 4,814,755, 3-21-89, Cl. 340-709.000.
Johnson, Philip B.: *See—*
Bryden, Norman E.; and Johnson, Philip B., 4,852,783, Cl. 224-253.000.
Johnson, Philip D.: *See—*
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Johnson, Philip S.; and Bakken, Theresa A., to Procter & Gamble Company, The. Aerosol antiperspirant compositions. 4,840,786, 6-20-89, Cl. 424-43.000.
Johnson, R. Barry: *See—*
Modisette, J. Everett; and Johnson, R. Barry, 4,820,929, Cl. 230-504.00R.
Johnson, Ralph E.: *See—*
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Johnson, Raymond; Livingston, Dwight; Tite, Robert C.; and Wood-Helie, Sheila J., to Becton, Dickinson and Company. Disposable device for use in chemical, immunochemical and microorganism analysis. 4,806,316, 2-21-89, Cl. 422-100.000.
Johnson, Raymond A. Tip trimmer assembly for a caulking gun. 4,802,607, 2-7-89, Cl. 222-82.000.
Johnson, Raynor A. Integrated air bearing slip sheet material handling system and slip sheet employed therein. 4,832,562, 5-23-89, Cl. 414-661.000.
Johnson, Richard A., to C & K Systems, Inc. Intrusion detection system and a method therefor. 4,882,567, 11-21-89, Cl. 340-522.000.
Johnson, Richard A.; Anderson, Arthur A.; and Boomgaard, Dirk J., to Thermo King Corporation. Power line carrier communication system. 4,885,563, 12-5-89, Cl. 340-310.00A.
Johnson, Richard A.: *See—*
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Johnson, Richard D.; Runzheimer, H. Volker; Sommer, Ronald G.; and Yip, Kin F., to Miles Inc. Polyacrylamide gel particles having hapten moieties bound thereto as immunoassay reagent. 4,822,747, 4-18-89, Cl. 436-532.000.
Johnson, Richard E. Multipurpose article holding tray. 4,821,931, 4-18-89, Cl. 224-42.420.
Johnson, Richard E., Jr.: *See—*
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Johnson, Richard G., to Warn Industries, Inc. Winch with shut-off load limiter. 4,873,474, 10-10-89, Cl. 318-434.000.
Johnson, Richard H.; Kykta, Martin A.; and Jarrett, Steven M., to Electrohome Limited. Optical system and method for image sampling in a video projection system. 4,827,334, 5-2-89, Cl. 358-60.000.
Johnson, Richard J.; Chenoweth, Dennis E.; Boggs, Daniel R.; and Lysaght, Michael J., to Baxter Travenol Laboratories, Inc. Method of manufacturing nucleophilic material modified for improved biocompatibility. 4,882,106, 11-21-89, Cl. 264-41.000.
Johnson, Richard L.; Cherry, John A.; and Pankow, James F. Borehole sampling. 4,811,599, 3-14-89, Cl. 73-155.000.
Johnson, Richard S.; and Stromberg, Gary D., to J. I. Case Company. Hydraulically actuated coupler for industrial, agricultural, or earth-moving vehicle. 4,850,790, 7-25-89, Cl. 414-723.000.
Johnson, Richard T.: *See—*
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Johnson, Rick J. Automatic cord reel for duck decoys. 4,826,096, 5-2-89, Cl. 242-107.000.
Johnson, Robert B.; and Smith, Robert P., to K & R Equipment, Incorporated. Method and apparatus for automatically opening bags. 4,795,413, 1-3-89, Cl. 493-309.000.
Johnson, Robert B.; and Smith, Robert P., to K & R Equipment, Incorporated. Method and apparatus for automatically opening bags. 4,874,354, 10-17-89, Cl. 493-101.000.

Johnson, Robert E., to Hoechst Celanese Corp. Process for the formation of boron-containing ceramics from organoboron preceramic polymers. 4,810,436, 3-7-89, Cl. 264-29.100.
Johnson, Robert E., to Hoechst Celanese Corporation. Boron-containing ceramics through the chemical conversion of borane-containing polymers. 4,832,895, 5-23-89, Cl. 264-29.100.
Johnson, Robert E.; Dinsmore, William R.; and Hunt, Christopher I., to Powertech Labs Inc. Injection tool for treating trees. 4,848,028, 7-18-89, Cl. 47-57.500.
Johnson, Robert E.; and Dinsmore, William R., to Powertech Labs Inc. Injection capsule for treating trees. 4,854,074, 8-8-89, Cl. 47-57.500.
Johnson, Robert E., to Hoechst Celanese Corp. Process of manufacturing boron ceramics from carboralated diacetylene polymers. 4,857,490, 8-15-89, Cl. 501-96.000.
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Johnson, Robert M.; and Johnson, Ralph V., to R. M. Johnson Company. Linkage apparatus having a mechanism for dampening vibrations. 4,867,607, 9-19-89, Cl. 405-182.000.
Johnson, Robert M., Jr., to Motorola, Inc. Extendable antenna for portable cellular telephones with ground radiator. 4,868,576, 9-19-89, Cl. 343-702.000.
Johnson, Robert P.; and Johnson, Janice A., to RPJ Development Corporation. Jewelry with interchangeable elements. 4,879,882, 11-14-89, Cl. 63-4.000.
Johnson, Robert R.; and Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Method for making electronic matrix arrays. 4,818,717, 4-4-89, Cl. 437-52.000.
Johnson, Robert R.; and Orbanic, Robert S., to GTE Products Corporation. Electrical connector with compliant section. 4,828,514, 5-9-89, Cl. 439-751.000.
Johnson, Robert R.; Cannella, Vincent D.; and Yaniv, Zvi, to Energy Conversion Devices, Inc. Amorphous electronic matrix array for liquid crystal display. 4,868,616, 9-19-89, Cl. 357-17.000.
Johnson, Robert R.; and Orbanic, Robert S., to GTE Products Corporation. Method of making pre-formed lead-ins for an IC package. 4,872,260, 10-10-89, Cl. 29-827.000
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Johnson, Rodney N. Underarm utility bag. 4,815,640, 3-28-89, Cl. 224-202.000.
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Johnson, Roger N., to Radiant Optics, Inc. Lens-like radiant energy transmission control means. 4,841,947, 6-27-89, Cl. 126-92.00B.
Johnson, Roger N.: *See—*
Vallance, Michael A.; Tomkinson-Walles, Gayle D.; and Johnson, Roger N., 4,865,787 Cl. 264-101.000.
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Johnson, Ronald F.; and Nickles, Norman E. Method for implanting retainers and implants in cattle. 4,799,921, 1-24-89, Cl. 604-51.000.
Johnson, Ronald F.; Smart, J. A.; Goodman, E. Carl; and Bowles, Richard, to Won-Door Corporation. Folding firedoor lead post assembly. 4,834,161, 5-30-89, Cl. 160-84.100.
Johnson, Ronald W. Arrowhead. 4,807,889, 2-28-89, Cl. 273-422.000.
Johnson, Ronald W., to Intellipower, Inc. Uninterrupted power supply. 4,876,460, 10-24-89, Cl. 307-64.000.
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Johnson, Roy A.; and Lin, Chiu-Hong, to Upjohn Company, The. 3'-pyridinylalkylinden- and 3'-pyridinylalkylindol-2-carboxylic acids and analogs. 4,882,433, 11-21-89, Cl. 546-273.000.
Johnson, Roy C. Guide assembly for a trailer hitch structure. 4,871,184, 10-3-89, Cl. 280-477.000.
Johnson, Roy L., to Lifting Technologies, Inc. Manbasket testing apparatus and method. 4,884,454, 12-5-89, Cl. 73-788.000.
Johnson, Roy L.: *See—*
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Johnson, Ruben R. Electrical service fittings and service system including same. 4,876,414, 10-24-89, Cl. 174-81.000.
Johnson, Russell L. One piece receptacle. 4,846,398, 7-11-89, Cl. 229-143.000.
Johnson, Russell R.; and Parker, James L. Method and apparatus for aid in lifesaving operations on water. 4,863,409, 9-5-89, Cl. 441-80.000.
Johnson, Russell W.; and Munson, Robert E., to Ball Corporation. Circular microstrip vehicular rf antenna. 4,821,040, 4-11-89, Cl. 343-700.0MS.
Johnson, Russell W.; and Munson, Robert E., to Ball Corporation. Near-isotropic low-profile microstrip radiator especially suited for use as a mobile vehicle antenna. 4,835,541, 5-30-89, Cl. 343-713.000.
Johnson, Russell W.; and Hilfman, Lee, to UOP. Non-catalytic process for the conversion of a hydrocarbonaceous stream containing halogenated organic compounds. 4,840,722, 6-20-89, Cl. 208-95.000.
Johnson, Russell W.; Hribik, Walter F.; and Hilfman, Lee, to UOP. Process for hydrogenating a hydrocarbonaceous charge stock. 4,849,095, 7-18-89, Cl. 208-254.00H.
Johnson, Ruth M.: *See—*
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Johnson, S. Robert. Removable rear mounted storage trunk for vehicles. 4,844,528, 7-4-89, Cl. 296-37.100.
Johnson, Scott A. Self-destructing hypodermic syringes and hypodermic plunger devices. 4,816,021, 3-28-89, Cl. 604-110.000.
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Uecker, Richard P., 4,850,530, Cl. 236-1.0EB.
Johnson, Sigurd A.; Knott, Howard C.; and Pederson, Jerry A., to Plan Hold Corporation. Cable terminal box construction. 4,805,073, 2-14-89, Cl. 361-246.000.
Johnson, Stanley A., Jr., to Nu-Line Industries Co. Adjustable width doorway safety gate apparatus. 4,831,777, 5-23-89, Cl. 49-55.000.
Johnson, Stanley A., Jr., to Vollrath Company, Inc., The. Booster seat. 4,867,504, 9-19-89, Cl. 297-3.000.
Johnson, Stanley J., to Deere & Company. Automatic forage harvester knife sharpening system. 4,843,767, 7-4-89, Cl. 51-247.000.
Johnson, Sten E.: *See—*
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Johnson, Steven; and Warren, Toney, to Silicon General, Inc. Clock holdover circuit. 4,849,993, 7-18-89, Cl. 375-108.000.
Johnson, Steven H.; and Williams, Lary L., to Deere & Company. Automatic engine control for an excavator. 4,838,755, 6-13-89, Cl. 414-699.000.
Johnson, Steven H.; and Williams, Lary L., to Deere & Company. Hydraulic system for an industrial machine. 4,838,756, 6-13-89, Cl. 414-699.000.
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Johnson, Susan S.; and Goodman, James R., to UOP. Biocompatible protein or ligand immobilization system. 4,885,207, 12-5-89, Cl. 428-403.000.
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Johnson, Tedd P.; and Lievens, Ronald J., to American Standard Inc. Pressure independent VAV valve with pressure dependent backup. 4,830,274, 5-16-89, Cl. 236-1.00B.
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Johnson, Terence P.: *See—*
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Johnson, Terrance D. Sectional mattress for tent. 4,835,800, 6-6-89, Cl. 5-420.000.

Johnson, Terrence A. Three-dimensional game and gameboard. 4,884,817, 12-5-89, Cl. 273-241.000.

Johnson, Terry J.; and Luk, Timwah, to Fairchild Semiconductor Corporation. Temperature compensated bipolar circuits. 4,853,646, 8-1-89, Cl. 330-256.000.

Johnson, Terry R.; Ackerman, John P.; Tomczuk, Zygmunt; and Fischer, Donald F., to United States of America, Energy. Process to separate transuranic elements from nuclear waste. 4,814,046, 3-21-89, Cl. 204-1.500.

Johnson, Theodore C.: *See—*
  Izuhara, Koichi; Caruso, Jeffrey L.; and Johnson, Theodore C., 4,841,472, Cl. 364-900.000.

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Johnson, Thomas A.: *See—*
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  Siddall, Jonathan H.; and Johnson, Thomas C., 4,833,222, Cl. 526-200.000.

Johnson, Thomas E.; and McBroom, John K., Jr., to Chas S. Lewis & Co., Inc. Air meltable castable corrosion resistant alloy and its process thereof. 4,853,183, 8-1-89, Cl. 420-454.000.

Johnson, Thomas K., to Rolls-Royce plc. Apparatus for securing a component. 4,822,013, 4-18-89, Cl. 269-7.000.

Johnson, Thomas M., to Hobart Corporation. Refrigerated salad bar. 4,802,340, 2-7-89, Cl. 62-229.000.

Johnson, Thomas M., to Maytag Corporation. Fabric dryer airflow system. 4,854,054, 8-8-89, Cl. 34-133.000.

Johnson, Tiffin E., to Houdry Process Corporation. Fluid catalytic cracking unit regeneration having internal cooling means. 4,888,156, 12-19-89, Cl. 422-144.000.

Johnson, Tim: *See—*
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Johnson, Timothy: *See—*
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Johnson, Todd M.: *See—*
  Stewart, Gary D.; Johnson, Todd M.; Orman, Patricia B.; Lambright, Joseph W.; Orman, Gary M.; and Schwartz, Rodney E., 4,869,497, Cl. 272-129.000.

Johnson, Todd W., to Minnesota Mining and Manufacturing Company. Flexible filter element employing filtering sheets formed with bypass openings. 4,863,602, 9-5-89, Cl. 210-484.000.

Johnson, Todd W.; and Brizuela, Corazon C., to Minnesota Mining and Manufacturing Company. Flexible filter bag and method of fabrication. 4,877,526, 10-31-89, Cl. 210-448.000.

Johnson, Trevor A.; and Gorscak, Sharon L., to Raycon Corporation. Method for welding galvanized material. 4,873,415, 10-10-89, Cl. 219-121.640.

Johnson, Van P. Adjustable overhead hanger with lock pulley. 4,872,632, 10-10-89, Cl. 248-332.000.

Johnson, W. Grady. Bottle rack. 4,795,038, 1-3-89, Cl. 211-74.000.

Johnson, Walter A.; Kemp, Preston B., Jr.; and Spencer, James R., to GTE Products Corporation. Process for producing tungsten heavy alloy sheet. 4,832,907, 5-23-89, Cl. 419-36.000.

Johnson, Walter A.; Kopatz, Nelson E.; and Ritsko, Joseph E., to GTE Products Corporation. Hydrometallurgical process for producing spherical maraging steel powders with readily oxidizable alloying elements. 4,859,237, 8-22-89, Cl. 75-0.5AA.

Johnson, Walter A.: *See—*
  Ford, Douglas W.; Johnson, Walter A.; and Daneshmandi, Shahram, 4,853,861, Cl. 364-424.060.
  Kemp, Preston B., Jr.; Johnson, Walter A.; and Kopatz, Nelson E., 4,800,064, Cl. 419-36.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,836,850, Cl. 75-251.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,847,045, Cl. 419-36.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,880,170, Cl. 241-5.000.
  Kemp, Preston B., Jr.; and Johnson, Walter A., 4,884,754, Cl. 241-5.000.
  Kopatz, Nelson E.; Ritsko, Joseph E.; and Johnson, Walter A., 4,802,915, Cl. 75-0.5AA.
  Kopatz, Nelson E.; Johnson, Walter A.; Vanderpool, Jack E.; and Shaw, Howard H., 4,885,028, Cl. 75-0.5BB.

Johnson, Wayne A.: *See—*
  Pfeffer, George B.; and Johnson, Wayne A., 4,870,753, Cl. 29-884.000.

Johnson, Wayne F.; Burtis, Carl A.; and Walker, William A., to Martin Marietta Energy Systems, Inc. Rotor for processing liquids using movable capillary tubes. 4,835,106, 5-30-89, Cl. 436-45.000.

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  Goodwin, Dennis L.; Hawkins, Mark R.; Johnson, Wayne L.; Olsen, Aage; and Robinson, McDonald, 4,874,464, Cl. 156-646.000.

Johnson, Wendell D., to Qualitrol Corporation. Gasket assembly and electrical power transformer including the same. 4,843,187, 6-27-89, Cl. 174-11.00R.

Johnson, Wesley, to Orthomet, Inc. Bone implant prosthesis with substantially stress-free outer surface. 4,851,008, 7-25-89, Cl. 623-16.000.

Johnson, Willard D. Draft operated fireplace insert. 4,807,589, 2-28-89, Cl. 126-518.000.

Johnson, Willard L. Filter leaf cleaning jet apparatus. 4,859,332, 8-22-89, Cl. 210-332.000.

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Johnson, William C.; and Richardson, Hubert, Jr., to Tecumseh Products Company. Compressor shaft collar through port for pressure equalization between fluid pockets. 4,877,381, 10-31-89, Cl. 418-55.000.

Johnson, William G.; and Kleppinger, Lerue C., Jr. Vibration and impact isolator. 4,830,343, 5-16-89, Cl. 267-44.000.

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Johnson, William K.; and May, Roger A., to United States of America, Air Force. Window generator. 4,814,884, 3-21-89, Cl. 358-183.000.

Johnson, William M. Automatically positioned holder for baby bottles. 4,799,636, 1-24-89, Cl. 248-102.000.

Johnson, William M., to International Business Machines Corporation. Microcode control of a parallel architecture microprocessor. 4,803,615, 2-7-89, Cl. 364-200.000.

Johnson, William M., to International Business Machines Corporation. Data processing system with overlapped address translation and address computation. 4,811,206, 3-7-89, Cl. 364-200.000.

Johnson, William M., to Advanced Micro Devices, Inc. Methods and apparatus for providing a user oriented microprocessor test interface for a complex, single chip, general purpose central processing unit. 4,811,345, 3-7-89, Cl. 371-16.000.

Johnson, William M.; and Baror, Gigy, to Advanced Micro Devices, Inc. High performance processor interface between a single chip processor and off chip memory means having a dedicated and shared bus structure. 4,851,990, 7-25-89, Cl. 364-200.000.

Johnson, William M.; Olson, Timothy A.; Dutton, Drew J.; Lee, Sherman; and Stoenner, David W., to Advanced Micro Devices, Inc. Direct memory access apparatus and methods for transferring data between buses having different performance characteristics. 4,878,166, 10-31-89, Cl. 364-200.000.

Johnson, William M.; and Wright, Charles G., to International Business Machines Corporation. Bidirectional serial test bus device adapted for control processing unit using parallel information transfer bus. 4,878,168, 10-31-89, Cl. 364-200.000.

Johnson, William M.: *See—*
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Johnson, William N. H. Package and container for eggs. 4,798,133, 1-17-89, Cl. 99-440.000.

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Johnston, Alan R.; Nixon, Robert H.; Bergman, Larry A.; and Esener, Sadik, to California Institute of Technology. Multi-port, optically addressed RAM. 4,884,243, 11-28-89, Cl. 365-234.000.

Johnston, Albert D.; and Lederman, Frederick E., to General Motors Corporation. Roller clutch with roller spin control. 4,836,347, 6-6-89, Cl. 192-45.000.

Johnston, Andrew E.; Meyer, Jon A.; and Miller, Ronald, to Rotomaster Inc. Method of fabricating a turbocharger water-cooled bearing housing. 4,815,184, 3-28-89, Cl. 29-156.8CF.

Johnston, Anthony D.: *See—*
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Johnston, Barry. Closed loop recirculation system for a working fluid with regeneration. 4,805,410, 2-21-89, Cl. 60-671.000.

Johnston, Bernard A. Reelable door closure. 4,821,786, 4-18-89, Cl. 160-23.100.

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Johnston, Brian H.: *See—*
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Johnston, Brian J.; and Klinedinst, Paul W., to Graham Engineering Corporation. In-mold labeling apparatus and method. 4,840,366, 6-20-89, Cl. 271-9.000.

Johnston, Byron K.: *See—*
  Ambrose, Ronald R.; O'Dwyer, James B.; Johnston, Byron K.; Zielinski, David P.; Porter, Samuel, Jr.; and Tyger, Wayne H., 4,859,743, Cl. 525-443.000.

Johnston, C. Lamar. Scene and verse coordinated medallion and card packaged together in a two pocketed transparent protective package. 4,878,580, 11-7-89, Cl. 206-216.000.

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Johnston, Daniel U.; and Zirnheld, Richard A., to General Motors Corporation. Vacuum operated actuator. 4,864,915, 9-12-89, Cl. 91-376.00R.

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Johnston, David E., to George Angus & Company Limited. Shaft and like oil seals. 4,815,749, 3-28-89, Cl. 277-134.000.

Johnston, David E.: *See—*
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Johnston, David F., to United States of America, National Aeronautics and Space Administration. Electronic precipitator control. 4,860,149, 8-22-89, Cl. 361-79.000.

Johnston, David N.: *See—*
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Johnston, Everett E.: *See—*
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Johnston, G. Gilbert. Catheter for performing volumetric flow rate determination in intravascular conduits. 4,802,490, 2-7-89, Cl. 128-661.080.

Johnston, Gary L. Treadmill associated exercise apparatus. 4,869,493, 9-26-89, Cl. 272-69.000.

Johnston, Gordon R.; and Werner, Walter M., to AMP Incorporated. Cable/wire splice device. 4,795,365, 1-3-89, Cl. 439-411.000.

Johnston, Howard; and Troxell, Lillian H., to Dow Chemical Company, The. 2,3-Difluoropyridine and 3-fluoro-2-pyridinyloxyphenol compounds. 4,851,539, 7-25-89, Cl. 546-345.000.

Johnston, J. O'Neal; and Holbert, Gene W., to Merrell Dow Pharmaceuticals Inc. 3β,17β-hydroxy-substituted steroids and related steroidal compounds. 4,882,322, 11-21-89, Cl. 514-178.000.

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Johnston, James J., to AMP Incorporated. Modular plug coupler. 4,806,117, 2-21-89, Cl. 439-344.000.

Johnston, James J.; and Propheter, Edward B., to AMP Incorporated. Method of forming a modular plug coupler. 4,817,283, 4-4-89, Cl. 29-884.000.

Johnston, James P.; and Russell, Donald L., to Wang Laboratories, Inc. Information display and entry device. 4,814,760, 3-21-89, Cl. 340-784.000.

Johnston, James S.; Pownall, David W.; and White, Melvyn S., to Rosemount Limited. Air data measurement apparatus. 4,821,566, 4-18-89, Cl. 73-178.00R.

Johnston, Jerome E.: *See—*
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Johnston, Lonnie E., to Crawford Fitting Company. Swaging tool having indicating means. 4,873,755, 10-17-89, Cl. 29-237.000.

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Johnston, Richard P. Variable-cycle reciprocating internal combustion engine. 4,856,463, 8-15-89, Cl. 123-51.0BA.

Johnston, Robert: *See—*
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Johnston, Robert H. Power saw. 4,873,766, 10-17-89, Cl. 30-166.100.

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Johnston, Ronald J., to Aluma Systems Incorporated. Bolted aluminum shoring frame. 4,841,708, 6-27-89, Cl. 52-646.000.

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Johnston, Vaughn R. Diverter apparatus. 4,889,196, 12-26-89, Cl. 175-209.000.

Johnston, Wilbur D., Jr.; and Tu, Charles W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of fabricating single crystal films of cubic group II fluorides on semiconductor componds by molecular beam epitaxy. 4,870,032, 9-26-89, Cl. 437-84.000.

Johnston, Wilbur D., Jr.; and Tu, Charles W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Single crystal films of cubic group II fluorides on semiconductor compounds. 4,878,956, 11-7-89, Cl. 148-33.300.

Johnston, Wilbur D., Jr.; Karlicek, Robert F., Jr.; Long, Judith A.; and Wilt, Daniel P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Semiconductor devices employing high resistivity in-based compound group III-IV epitaxial layer for current confinement. 4,888,624, 12-19-89, Cl. 357-16.000.

Johnston, William N.; and McKnight, Early C., to United Technologies Electro Systems Inc. Double insulated starter motor. 4,866,294, 9-12-89, Cl. 290-38.00R.

Johnston, William T. Exhaust heated trailer. 4,877,184, 10-31-89, Cl. 237-12.30C.

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Johnstone, Norman E.; and Kehoe, John R., to United States Gypsum Company. Neutral sized paper for use in the production of gypsum wallboard. 4,853,085, 8-1-89, Cl. 162-128.000.

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  King, Francis D.; and Joiner, Karen A., 4,871,744, Cl. 514-299.000.

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Jokel, Isidore. Window instrusion barrier. 4,837,974, 6-13-89, Cl. 49-55.000.
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  Matthews, Bernard T.; Joll, David J.; Ziauddin, Habeeb M.; and Wilson, David N., 4,834,999, Cl. 426-413.000.
  Matthews, Bernard T.; Joll, David J.; and Ziauddin, Habeeb M., 4,874,623, Cl. 426-272.000.
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  Schneider, Alan A.; Stewart, David A.; Jolson, Joseph D.; Auel, RaeAnn M.; and Price, John F., 4,859,305, Cl. 204-412.000.
  Williams, Mark T.; Winchester, Clinton S.; and Jolson, Joseph D., 4,840,859, Cl. 429-212.000.
Joly, Jean-Louis: *See—*
  Vaillant De Guelis, Hubert; and Joly, Jean-Louis, 4,872,357, Cl. 74-5.100.
Joly, Jean Marcel, to ECIA- Equipements et Composants pour L'Industrie Automobile. Ball detector for a safety-belt band reeling mechanism for a motor vehicle in particular. 4,867,390, 9-19-89, Cl. 242-107.40A.
Joly, Marcel: *See—*
  Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.
Jomain, Bernard, to Fours Industriels B.M.I. Furnace for heat treatment in vacuo with cooling by a stream of gas. 4,836,776, 6-6-89, Cl. 432-176.000.
Jommi, Giancarlo: *See—*
  Chiarino, Dario; Della Bella, Davide; Jommi, Giancarlo; Badone, Domenico; Pagliarin, Roberto; and Tavecchia, Paolo, 4,879,068, Cl. 260-397.000.
Jomori, Takahito: *See—*
  Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Ozawa, Hiroshi; Mitani, Takahiko; Jomori, Takahito; Koketsu, Masahiko; Michishita, Hisashi; and Sawai, Kiichi, 4,868,189, Cl. 514-274.000.
  Kurono, Masayasu; Unno, Ryoichi; Matsumoto, Yukiharu; Kondo, Yasuaki; Mitani, Takahiko; Jomori, Takahito; Michishita, Hisashi; and Sawai, Kiichi, 4,870,062, Cl. 514-63.000.
Jonas, Andre; and Jonas, Bernard. System for automatic performance of agricultural tasks such as lawn mowing. 4,831,813, 5-23-89, Cl. 56-10.200.
Jonas, Bernard: *See—*
  Jonas, Andre; and Jonas, Bernard, 4,831,813, Cl. 56-10.200.
Jonas, Friedrich; and Waldenrath, Werner, to Bayer Aktiengesellschaft. Process for antistatic treatment of plastic mouldings. 4,888,243, 12-19-89, Cl. 428-411.100.
Jonas, Friedrich: *See—*
  Heywang, Gerhard; Jonas, Friedrich; Merten, Rudolf; and Schmidtberg, Werner, 4,849,492, Cl. 528-48.000.
  Kossmehl, Gerhard; Kabbeck-Kupijai, Detlef; and Jonas, Friedrich, 4,849,520, Cl. 546-347.000.
  Schick, Peter; Jonas, Friedrich; and Leitner, Lutz, 4,853,289, Cl. 428-408.000.
Jonas, John J.: *See—*
  Boratto, Francisco; Yue, Stephen; and Jonas, John J., 4,840,051, Cl. 72-11.000.
Jonas, Kenneth J.: *See—*
  Penlesky, Robert G.; Wolbrink, David W.; Jonas, Kenneth J.; and Kuhnke, Thomas A., 4,867,640, Cl. 415-204.000.
Jonas, Rodger H.: *See—*
  DiGiovacchino, David J.; Carlson, Richard A.; Jonas, Rodger H.; and Marion, Sheila, 4,800,096, Cl. 426-577.000.
Jonas, Werner; and Findlay, Nathanial B. Rowing machine. 4,880,224, 11-14-89, Cl. 272-72.000.
Jonasky, John D.: *See—*
  McVay, David R.; Carter, Lawrence D.; Jonasky, John D.; and Jefferson, Chris A., 4,872,939, Cl. 156-354.000.
Jonckers, Kees, to Stamicarbon B.V. Process for preparing urea. 4,801,747, 1-31-89, Cl. 564-72.000.
Jonckers, Kees; and Burks, Henk C., to Stamicarbon B.V. Process for concentrating an urea solution by evaporation. 4,866,207, 9-12-89, Cl. 564-73.000.
Jonckheere, Marc R. M.: *See—*
  Carnewal, Jose A. C. L.; Gunst, Wilfried E. D.; Hollevoet, Willy C.; and Jonckheere, Marc R. M., 4,863,415, Cl. 460-101.000.
Joncour, Christian, to Essilor International (Compagnie Generale d'Optique). Ophthalmic lens centering device. 4,798,459, 1-17-89, Cl. 356-127.000.
Jonczyk, Alfred: *See—*
  Raddatz, Peter; Holzemann, Gunter; Jonczyk, Alfred; Schmitges, Claus J.; and Minck, Klaus O., 4,812,555, Cl. 530-323.000.
Jondro, Boleslaw; Janik, Jan; and Pyka, Herbert, to Zabrzanskie Gwarectwo Weglowe Kopalnia Wegla Kamiennego "Zabrze-Bielszowice" . Pulsator for enriching, particularly hard coal. 4,842,146, 6-27-89, Cl. 209-455.000.
Jondrow, Timothy J., to Hewlett-Packard Company. Handle-latch mechanism. 4,838,585, 6-13-89, Cl. 292-8.000.
Jonelis, John A.; and Bata, John I., to Midwest Power Corporation. Adjustable buttress for use in an electrostatic precipitator. 4,840,649, 6-20-89, Cl. 55-140.000.
Jones, A. Raymond. Drill bit. 4,838,366, 6-13-89, Cl. 175-410.000.
Jones, Alan W.: *See—*
  Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,828,660, Cl. 204-82.000.
  Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,855,023, Cl. 204-130.000.
Jones, Allen H., Jr.: *See—*
  Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,828,660, Cl. 204-82.000.
  Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,855,023, Cl. 204-130.000.
Jones, Allen M., to Williams International Corporation. Adjustable tension foil bearing. 4,815,864, 3-28-89, Cl. 384-103.000.
Jones, Allen M., to Williams International Corporation. Interlocking cylinder compliant hydrodynamic gas bearing. 4,865,466, 9-12-89, Cl. 384-103.000.
Jones, Allen R.: *See—*
  Korbach, William; Corsentino, John A.; Jones, Allen R.; and McCaskie, John E., 4,836,897, Cl. 204-51.000.
Jones, Alun G.; Davison, Alan; and Abrams, Michael J., to President and Fellows of Harvard College; and Massachusetts Institute of Technology. Method for preparing radiopharmaceutical complexes. 4,826,961, 5-2-89, Cl. 534-14.000.
Jones, Alun G.; Davison, Alan; Kronauge, James; and Abrams, Michael J., to Massachusetts Institute of Technology; and President and Fellows of Harvard College. Carboxy, carboalkoxy and carbamile substituted isonitrile radionuclide complexes. 4,872,561, 10-10-89, Cl. 206-569.000.
Jones, Alvin K. Service locator. 4,842,304, 6-27-89, Cl. 283-81.000.
Jones, Andrew R., to United Kingdom Atomic Energy Authority. Powder metallurgy process. 4,867,788, 9-19-89, Cl. 75-230.000.
Jones, Anthony M., to Scot Young Service Systems Limited. Sweep mop pad holder. 4,843,674, 7-4-89, Cl. 15-147.00R.
Jones, Arian N. Quick change handle for tools. 4,829,857, 5-16-89, Cl. 81-177.100.
Jones, Aroll A. Deadbolt door handle assembly. 4,841,754, 6-27-89, Cl. 70-207.000.
Jones, Arthur. Apparatus for exercising muscles of the lower trunk of the human body. 4,836,536, 6-6-89, Cl. 272-134.000.

Jones, Arthur. Apparatus for testing or exercising muscles of the lower trunk of the human body. 4,858,919, 8-22-89, Cl. 272-134.000.
Jones, Arthur A. Compound weight system. 4,834,365, 5-30-89, Cl. 272-118.000.
Jones, Arthur N. Packaging. 4,830,863, 5-16-89, Cl. 426-118.000.
Jones, Arthur N.: *See—*
  Fuller, Anthony T. B.; and Jones, Arthur N., 4,848,649, Cl. 229-123.200.
Jones, Bernard B. Gaming token and process therefor. 4,827,640, 5-9-89, Cl. 40-27.500.
Jones-Blair Company: *See—*
  Wyman, Larry D.; and Webb, Joseph D., 4,813,000, Cl. 364-526.000.
Jones, Bradford H. Process and apparatus for fixing, encapsulating, stabilizing and detoxifying heavy metals and the like in metal-containing sludges, soils, ash and similar materials. 4,821,653, 4-18-89, Cl. 110-229.000.
Jones, Bradley N., to Sweco, Incorporated. Dry material separator. 4,810,372, 3-7-89, Cl. 209-315.000.
Jones, Brian A.: *See—*
  Bradshaw, Jerald S.; Jones, Brian A.; Markides, Karin E.; and Lee, Milton L., 4,864,033, Cl. 548-446.000.
Jones, Brian H., to Kelsey-Hayes Company. Filament wound wheel and a method for manufacturing the same. 4,832,414, 5-23-89, Cl. 301-63.0PN.
Jones, Bruce A., to Digital Equipment Corporation. Constant flow deionized water spray gun. 4,875,625, 10-24-89, Cl. 239-124.000.
Jones, C. Andrew: *See—*
  Gaffney, Anne M.; Jones, C. Andrew; and Sofranko, John A., 4,795,842, Cl. 585-400.000.
  Gaffney, Anne M.; Jones, C. Andrew; and Sofranko, John A., 4,795,849, Cl. 585-500.000.
  Sofranko, John A.; Gastinger, Robert G.; and Jones, C. Andrew, 4,861,936, Cl. 585-500.000.
Jones, Carolyn K.: *See—*
  Blakely-Fogel, Debora A.; Chalemin, Glen E.; Cummings, Stephen P.; and Jones, Carolyn K., 4,864,492, Cl. 364-200.000.
Jones, Carolyn S. Method of making packaging design. 4,807,755, 2-28-89, Cl. 206-457.000.
Jones, Cecil R. Fluid flow safety valve. 4,844,113, 7-4-89, Cl. 137-39.000.
Jones, Charles: *See—*
  Hartfeil, Guenther, 4,872,705, Cl. 283-67.000.
Jones, Charles D.: *See—*
  Hirsch, Kenneth S.; and Jones, Charles D., 4,801,594, Cl. 514-340.000.
  Hirsch, Kenneth S.; and Jones, Charles D., 4,845,227, Cl. 546-276.000.
Jones, Charles E.: *See—*
  Amick, David R.; Jones, Charles E.; and Hughes, Kathleen A., 4,797,223, Cl. 252-174.230.
Jones, Charles E., Jr.: *See—*
  Chung, Dong K.; and Jones, Charles E., Jr., 4,828,760, Cl. 252-627.000.
Jones, Charles L. Atraumatic pillow and pillowcase. 4,864,669, 9-12-89, Cl. 5-434.000.
Jones, Charles R. Educational device for use in teaching writing skills. 4,846,688, 7-11-89, Cl. 434-164.000.
Jones, Cindy J.: *See—*
  Thomson, Timothy; and Jones, Cindy J., 4,845,206, Cl. 536-84.000.
Jones, Colleen A.: *See—*
  Parker, Timothy A.; and Jones, Colleen A., 4,822,310, Cl. 441-70.000.
Jones, Dale G., to J. Edwards Enterprises. Method and device for cleaning particulate-laden gases. 4,881,956, 11-21-89, Cl. 55-84.000.
Jones, Dallas W., to UnBlade Co., The. Rotary cutting member for use with lawnmowers and the like. 4,819,416, 4-11-89, Cl. 56-12.700.
Jones, Dallas W.; and Young, Lauren, to Trim-A-Lawn Corporation. Apparatus for cutting grass and the like. 4,854,115, 8-8-89, Cl. 56-320.100.
Jones, Daniel A.; and Suttle, James P., to Caribbean Stud Enterprises, Inc. Methods of progressive jackpot gaming. 4,861,041, 8-29-89, Cl. 273-292.000.
Jones, Daniel A.: *See—*
  Suttle, James P.; and Jones, Daniel A., 4,836,553, Cl. 273-292.000.
  Tan, J. Kie S.; Baker, Jeffrey A.; and Jones, Daniel A., 4,825,879, Cl. 128-633.000.
Jones, Daniel R. Wind propelled sail toy vehicle. 4,886,478, 12-12-89, Cl. 446-176.000.
Jones, Danny C., to Star Beam, Inc. Remote controlled spotlight system. 4,890,207, 12-26-89, Cl. 362-233.000.
Jones, Darrell L., to Vetco Gray Inc. Composite tubing connector assembly. 4,810,010, 3-7-89, Cl. 285-55.000.
Jones, David; and Abbott, David I., to Tunstall Telecom Limited. Sheltered housing scheme communications system. 4,881,252, 11-14-89, Cl. 379-38.000.
Jones, David A., to Drackett Company, The. Butterfly sponge mop. 4,864,675, 9-12-89, Cl. 15-119.00A.
Jones, David E.; and McMurtrey, David S., to Iomega Corporation. Disk drive motor mount. 4,855,849, 8-8-89, Cl. 360-97.010.
Jones, David F.: *See—*
  Bowker, Duane O.; Giuliani, Adrian A.; and Jones, David F., 4,797,915, Cl. 379-216.000.
Jones, David L. Container. 4,830,189, 5-16-89, Cl. 206-506.000.
Jones, David N., to University of Sheffield, The. Steroid intermediates. 4,882,439, 11-21-89, Cl. 549-336.000.
Jones, David P., to Pilkington P.E. Limited. Interference filter. 4,832,448, 5-23-89, Cl. 350-166.000.
Jones, David P.; and Mullaney, Kevin, to Pilkington P. E. Limited. High emissivity article having multiple layers of a material of high internal stress. 4,850,660, 7-25-89, Cl. 350-1.600.
Jones, David P.; and McElroy, William D., to Cues, Inc. Remotely controlled pan and tilt television camera. 4,855,838, 8-8-89, Cl. 358-229.000.
Jones, David R.: *See—*
  Payne, John B.; and Jones, David R., 4,863,023, Cl. 206-364.000.
Jones, David S.: *See—*
  Wilbur, Daniel S.; Fritzberg, Alan R.; and Jones, David S., 4,885,153, Cl. 424-1.100.
Jones, Davis R.: *See—*
  Payne, John B.; and Jones, Davis R., 4,863,433, Cl. 604-194.000.
Jones, Dennis C.: *See—*
  Rockwell, David A.; Mangir, Metin S.; White, Jeffrey O.; and Jones, Dennis C., 4,880,295, Cl. 350-354.000.
Jones, Derrick F.; and Oldham, Keith, to Imperial Chemical Industries PLC. Heterocyclic derivatives. 4,795,755, 1-3-89, Cl. 514-383.000.
Jones, Deryl K. Folding chair. 4,889,383, 12-26-89, Cl. 297-16.000.
Jones, Donald W.: *See—*
  Kliman, Gerald B.; and Jones, Donald W., 4,859,974, Cl. 335-229.000.
Jones, Douglas. Detached collimator apparatus for radiation therapy. 4,880,985, 11-14-89, Cl. 250-505.100.
Jones, Edwin R., Jr.: *See—*
  McLaurin, A. Porter; Cathey, LeConte; and Jones, Edwin R., Jr., 4,807,024, Cl. 358-88.000.
Jones, Egerton G.: *See—*
  Fanse, Vinaykumar R.; Jones, Egerton G.; and Nazar, Syed M., 4,846,088, Cl. 114-72.000.
Jones, Eifion R. Lifting seats. 4,852,849, 8-1-89, Cl. 248-575.000.
Jones, Elmer D.: *See—*
  Mason, Charles D.; Galanty, Paul G.; and Jones, Elmer D., 4,801,633, Cl. 524-98.000.
Jones, Elwyn D.; Lauzon, Robert; and Wetter, Bruno, to Glopak Inc. Bag folding machine. 4,840,609, 6-20-89, Cl. 493-28.000.
Jones, Emlyn: *See—*
  Heeks, John S.; Bone, Michael C.; Jones, Emlyn; and Parker, James W., 4,834,538, Cl. 356-350.000.
Jones, Eric; and Doncaster, Alan M., to English Electric Valve Company Limited. Hydrogen sulphide sensor. 4,822,465, 4-18-89, Cl. 204-192.100.
Jones, Eugene R.: *See—*
  Goolsbey, Michael A.; Jones, Eugene R.; Micka, William F.; and Robinson, Thomas S., 4,817,186, Cl. 382-9.000.
Jones, Everett E., to Boeing Company, The. Apparatus and method of compensating for springback in a workpiece. 4,802,357, 2-7-89, Cl. 72-389.000.
Jones, Everett W. Adjustable, proportionally steerable auxiliary wheel asemblies for trucks. 4,856,814, 8-15-89, Cl. 280-704.000.
Jones, Fletcher; and Logan, Joseph S., to International Business Machines Corporation. Low contamination RF sputter deposition apparatus. 4,818,359, 4-4-89, Cl. 204-298.000.
Jones, Francis: *See—*
  Van Ewyk, Robert L.; O'Connor, Ingrid M.; Mosley, Alan; Jones, Francis; Blackburn, Christopher; and Griffiths, John, 4,838,659, Cl. 350-337.000.
Jones, Frank L.: *See—*
  Austin, Richard L.; Otto, Herbert J.; and Jones, Frank L., 4,797,619, Cl. 324-409.000.
Jones, Frank R.: *See—*
  Balint, Joseph P., Jr.; and Jones, Frank R., 4,801,449, Cl. 424-85.800.
  Balint, Joseph P., Jr.; Cochran, Sharon; Jones, Frank R.; and Snyder, Harry W., 4,865,841, Cl. 424-85.800.
Jones, Gareth. D.C. electric motor. 4,873,463, 10-10-89, Cl. 310-68.00B.
Jones, Gareth M., to Dow Corning Limited. Silicone foam masses. 4,888,217, 12-19-89, Cl. 427-236.000.
Jones, Gary A., to Zenith Electronics Corporation. IR decoder system. 4,860,202, 8-22-89, Cl. 364-200.000.
Jones, Gary W., to Microelectronics Center of North Carolina. Structure and method for isolated voltage referenced transmission lines of substrates with isolated reference planes. 4,816,616, 3-28-89, Cl. 174-68.500.
Jones, George C., Jr. Disposable pet sanitary station having a fixed lower compartment and an expandable upper compartment. 4,800,842, 1-31-89, Cl. 119-1.000.
Jones, George R.: *See—*
  Andrew, John E.; Herrigel, Howard R.; Jones, George R.; Nowak, James C.; Tose, Mark K.; and Whalen, Robert, 4,863,607, Cl. 210-634.000.
Jones, Gerald L.: *See—*
  Frankel, Lawrence S.; Jones, Gerald L.; and Winey, Donald A., 4,814,373, Cl. 524-460.000.
Jones, Gerald M., to GTE Products Corporation. Method of mounting electrical contacts in connector body. 4,860,445, 8-29-89, Cl. 29-842.000.
Jones, Gerald M.; and Nemcovsky, Rhonda L., to GTE Products Corporation. Adjustable footprint component removal tool. 4,872,259, 10-10-89, Cl. 29-764.000.
Jones, Gerald M.; and Nemcovsky, Rhonda L., to GTE Products Corporation. Component removal method. 4,882,838, 11-28-89, Cl. 29-829.000.

- Jones, Glenn C.; Nottingham, William D.; and Raynolds, Peter W., to Eastman Kodak Company. Process for the preparation of alkyl 3-alkoxypropionates. 4,827,021, 5-2-89, Cl. 560-187.000.
- Jones, Gordon H.; Venuti, Michael C.; and Young, John M., to Syntex (U.S.A.) Inc. Naphthalene anti-psoriatic agents. 4,840,965, 6-20-89, Cl. 514-450.000.
- Jones, Gordon R., to University of Liverpool, The. Optical displacement sensor using color variations to monitor displacement of two gratings. 4,814,601, 3-21-89, Cl. 250-226.000.
- Jones, Gordon R.; Moruzzi, James L.; and Prasad, Akkanapragada N., to University of Liverpool, The. Device and method for determining displacement using colored transparent spheres. 4,835,384, 5-30-89, Cl. 250-226.000.
- Jones, Gordon R. Optical sensors for measurement of a variable parameter. 4,880,970, 11-14-89, Cl. 250-227.000.
- Jones, Gordon R. Optical birefringment parameter measuring sensor. 4,883,952, 11-28-89, Cl. 250-225.000.
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M. Phase controller for processing current and voltage faults. 4,811,136, 3-7-89, Cl. 361-79.000.
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., to Sundstrand Corp. Current fault protection system. 4,812,943, 3-14-89, Cl. 361-92.000.
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., to Sundstrand Corp. Voltage fault detector. 4,814,934, 3-21-89, Cl. 361-88.000.
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., to Sundstrand Corporation. Power controller. 4,879,624, 11-7-89, Cl. 361-65.000.
- Jones, Gregory E.; and Price, Barry L., to British Gas Corporation. Control system improvements in or relating to burner. 4,852,046, 7-25-89, Cl. 364-184.000.
- Jones, Gregory R. Toilet bowl cleaning composition dispenser. 4,821,346, 4-18-89, Cl. 4-226.000.
- Jones, Harold C.: *See—*
  - Wackrow, Roger D.; and Jones, Harold C., 4,881,517, Cl. 124-65.000.
- Jones, Harry E. Shallow water indicator for a boat. 4,873,523, 10-10-89, Cl. 340-984.000.
- Jones, Harry J.: *See—*
  - Hodgson, Rodney T.; Jones, Harry J.; Ledermann, Peter G.; Reiley, Timothy C.; and Moskowitz, Paul A., 4,814,855, Cl. 174-52.400.
- Jones, Harry M.: *See—*
  - Clark, William J. R.; Ward, John J.; Jones, Harry M.; and Powell, John H., 4,823,271, Cl. 364-443.000.
- Jones, Howard; Lukacsko, Alison B.; Tencza, Thomas M.; Sarsfield, Beth A.; and Patel, Mahesh K., to Bristol-Myers Company. Pharmaceutical compositions for relief of dysmenorrhea and/or premenstrual syndrome and process. 4,888,343, 12-19-89, Cl. 514-264.000.
- Jones, Howard: *See—*
  - Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,820,729, Cl. 514-542.000.
  - Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,831,184, Cl. 560-43.000.
  - Youssefyeh, Raymond D.; and Jones, Howard, 4,839,367, Cl. 514-312.000.
- Jones, Howard P.: *See—*
  - Ellinger, S. Michael; and Jones, Howard P., 4,815,323, Cl. 73-290.00V.
- Jones, Howell A., to Pitney Bowes Inc. Combination generator for an electronic postage meter. 4,835,697, 5-30-89, Cl. 364-464.020.
- Jones, Hubert B. Lawn and leaf bag frame. 4,846,427, 7-11-89, Cl. 248-95.000.
- Jones, Ivor W.: *See—*
  - Heavens, Stephen N.; and Jones, Ivor W., 4,810,339, Cl. 204-180.100.
- Jones, J. Leslie. Multi-purpose heavy duty cargo container. 4,836,411, 6-6-89, Cl: 220-1.500.
- Jones, J. Paul, to PRD Corporation. Round dispenser for sutures. 4,821,878, 4-18-89, Cl. 206-370.000.
- Jones, J. Paul, to PRD Corporation. Method of suturing. 4,832,026, 5-23-89, Cl. 128-335.000.
- Jones, J. Paul, to PRD Corporation. Suturing needle and anchor. 4,834,098, 5-30-89, Cl. 128-339.000.
- Jones, J. Paul, to PRD Corporation. Method of loading and discharging a drip chamber. 4,842,588, 6-27-89, Cl. 604-51.000.
- Jones, J. Paul, to PRD Corporation. Tool for suturing. 4,865,032, 9-12-89, Cl. 128-340.000.
- Jones, J. Paul, to PRD Corporation. Self actuated lombar traction apparatus. 4,867,142, 9-19-89, Cl. 128-57.000.
- Jones, J. Paul. Thermoelectric ion generator for endodontic therapy. 4,886,075, 12-12-89, Cl. 128-787.000.
- Jones, J. Philip E.; and Raythatha, Rasik H., to E.C.C. America Inc. Coated paper and process. 4,820,554, 4-11-89, Cl. 427-391.000.
- Jones, J. Philip E.; Salinas, Jorge E.; Geho, Keryn N.; Dunaway, Weyman H.; and Raythatha, Rasik H., to E.C.C. America Inc. Structured kaolin pigment and process for manufacture thereof. 4,851,048, 7-25-89, Cl. 106-446.000.
- Jones, Jack A.; and Schember, Helene R., to United States of America, National Aeronautics and Space Administration. Krypton based adsorption type cryogenic refrigerator. 4,831,829, 5-23-89, Cl. 62-22.000.
- Jones, Jack A.; Petrick, S. Walter; and Britcliffe, Michael J., to United States of America, National Aeronautics and Space Administration. Cryogenic regenerator including sarancarbon heat conduction matrix. 4,835,973, 6-6-89, Cl. 62-6.000.
- Jones, Jack A.; Wen, Liang-Chi; and Bard, Steven, to United States of America, National Aeronautics and Space Administration. Two-statge sorption type cryogenic refrigerator including heat regeneration system. 4,875,346, 10-24-89, Cl. 62-467.000.
- Jones, Jack E.; and Bulmahn, David J., to NCR Corporation. Heat sink for an electronic device. 4,872,505, 10-10-89, Cl. 165-80.300.
- Jones, Jacqueline. Stranded motorist distress sign. 4,888,893, 12-26-89, Cl. 40-592.000.
- Jones, James E.: *See—*
  - Hodek, Robert B.; Meier, James A.; Jones, James E.; and Seiner, Jerome A., 4,807,419, Cl. 52-788.000.
- Jones, James F.: *See—*
  - Gallucci, Robert R.; Wroczynski, Ronald J.; Jones, James F.; and Rasch, Stefan F., 4,885,335, Cl. 525-67.000.
- Jones, James M.: *See—*
  - Weaver, Kim A.; and Jones, James M., 4,805,417, Cl. 62-292.000.
  - Weaver, Kim A.; Jones, James M.; and Thibault, Joseph A., 4,889,149, Cl. 137-1.000.
- Jones, James S. Manifold for the application of agricultural ammonia. 4,807,663, 2-28-89, Cl. 137-561.00A.
- Jones, James V., to PPG Industries, Inc. Dark, neutral, gray, nickel-free glass composition. 4,873,206, 10-10-89, Cl. 501-71.000.
- Jones, Jay J., to McNeilab, Inc. Removable and rotatable coating pan spray arm assembly. 4,844,001, 7-4-89, Cl. 118-24.000.
- Jones, Jeff R. Break-away collar coupling device. 4,881,492, 11-21-89, Cl. 119-106.000.
- Jones, Jeffery R.: *See—*
  - Wagle, Dinkar G.; Yasnovsky, Vacheslav M.; and Jones, Jeffery R., 4,828,650, Cl. 162-168.100.
- Jones, Jeffrey A., to Santa Fe Energy Company. Device for uniformly distributing a two-phase fluid. 4,824,614, 4-25-89, Cl. 261-76.000.
- Jones, Jeffrey L.: *See—*
  - Baker, Richard M.; and Jones, Jeffrey L., 4,826,166, Cl. 273-55.00R.
- Jones, Jeffrey P.: *See—*
  - Goel, Anil B.; and Jones, Jeffrey P., 4,863,525, Cl. 134-22.190.
- Jones, Jeffrey S., to Solutech, Inc. Catheter introducing device and method of placing catheter. 4,795,426, 1-3-89, Cl. 604-51.000.
- Jones, Jeremy K.: *See—*
  - Ford, Vernon E.; Jones, Jeremy K.; Mader, John J.; and Plummer, William T., 4,816,939, Cl. 360-77.030.
- Jones, Jerry L. Leak testing device for pressure vessels. 4,809,542, 3-7-89, Cl. 73-45.800.
- Jones, Joel F.: *See—*
  - Edwards, Wallace L.; Jones, Joel F.; and Thompson, Howard G. Jr., 4,797,075, Cl. 418-48.000.
- Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., to Cineonix, Inc. Camera and other instrument support stand. 4,886,230, 12-12-89, Cl. 248-170.000.
- Jones, John D.: *See—*
  - Yamazaki, Hiroshi; Modler, Howard W.; Jones, John D.; and Elliot, James I., 4,871,574, Cl. 426-622.000.
- Jones, John E.; and Hamblin, Geoffrey R., to Visy (U.K.) Limited. Aircraft loading method and apparatus. 4,869,445, 9-26-89, Cl. 244-118.100.
- Jones, John I.: *See—*
  - Davis, Cecil J.; Loewenstein, Lee M.; Jucha, Rhett B.; Matthews, Robert T.; Hildenbrand, Randall C.; Freeman, Dean W.; and Jones, John I., 4,822,450, Cl. 156-643.000.
  - Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Bohlman, James G. Loewenstein, Lee M.; and Jones, John I., 4,836,905, Cl. 204-298.000.
  - Davis, Cecil J.; Loewenstein, Lee M.; Matthews, Robert T.; Jones, John I.; and Jucha, Rhett B., 4,842,686, Cl. 156-643.000.
  - Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., 4,872,938, Cl. 156-345.000.
  - Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Jucha, Rhett B.; Hildenbrand, Randall C.; and Jones, John I., 4,886,570, Cl. 156-643.000.
  - Jucha, Rhett B.; Davis, Cecil J.; and Jones, John I., 4,838,990, Cl. 156-643.000.
  - Jucha, Rhett B.; Davis, Cecil J.; Carter, Duane E.; Crank, Sue E. and Jones, John I., 4,849,067, Cl. 156-643.000.
- Jones, John L., Sr. Cargo container. 4,860,911, 8-29-89, Cl. 220-1.500.
- Jones, John N.: *See—*
  - Allington, Robert W.; Tehrani, Abolghassem Y.; and Jones, John N., 4,863,592, Cl. 210-96.100.
  - Allington, Robert W.; and Jones, John N., 4,882,063, Cl. 210-659.000.
- Jones, John R.: *See—*
  - Hess, Doren W., Jr.; and Jones, John R., 4,885,593, Cl. 343-786.000.
- Jones, Joseph E.: *See—*
  - Champa, Gary; and Jones, Joseph E., 4,819,972, Cl. 285-331.000.
- Jones. Joseph S.: *See—*
  - Swann, Peter R.; and Jones, Joseph S., 4,797,261, Cl. 422-102.000.
  - Swann, Peter R.; and Jones, Joseph S., 4,833,330, Cl. 250-443.100.
- Jones, Josh B. Water bottle refill system. 4,881,661, 11-21-89, Cl. 222-67.000.
- Jones, K. Tom: *See—*
  - Styles, George R.; Jones, K. Tom; and Bloom, Devin A., 4,802,506, Cl. 137-624.130.

- Jones, Keith E.; and Harwood, Warren K., to Cascade Microtech, Inc. Coaxial transmission line to microstrip transmission line launcher. 4,855,697, 8-8-89, Cl. 333-33.000.
- Jones, Keith E.: *See—*
  - Gleason, K. Reed; Jones, Keith E.; and Strid, Eric W., 4,849,689, Cl. 324-158.00P.
  - Strid, Eric W.; and Jones, Keith E., 4,858,160, Cl. 364-571.010.
- Jones, Kenneth: *See—*
  - Emblem, Harold G.; Jones, Kenneth; and Boulton, Jonathan M., 4,810,441, Cl. 264-56.000.
- Jones, Kenneth L., II; O'Connor, Tom R.; and Trevellyan, Kenneth A., to Cabot Electronics Ceramics, Inc. Low cost, hermetic pin grid array package. 4,861,944, 8-29-89, Cl. 174-68.500.
- Jones, Kenneth W., to Smith International, Inc. Expendable diamond drag bit. 4,813,500, 3-21-89, Cl. 175-329.000.
- Jones, Kenneth W., to Smith International, Inc. Underreamer with revolving diamond cutter elements. 4,846,290, 7-11-89, Cl. 175-269.000.
- Jones, Kenneth W.; and Fyfe, George, to Smith International, Inc. Convex shaped diamond cutting elements. 4,858,707, 8-22-89, Cl. 175-329.000.
- Jones, Larry, to Midmark Corporation. Adjustable debris tray assembly for podiatry chairs. 4,852,941, 8-1-89, Cl. 297-188.000.
- Jones, Larry O.: *See—*
  - Young, David A.; Jones, Larry O.; and Campione, Troy J., 4,855,525, Cl. 585-523.000.
- Jones, Laurence E.: *See—*
  - Massell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,837,253, Cl. 523-443.000.
  - Massell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,849,297, Cl. 428-457.000.
- Jones, Lawrence S., to United States Pipe and Foundry Company. Restrained joint with gripper gland. 4,867,488, 9-19-89, Cl. 285-328.000.
- Jones, Leon. Parachute-release mechanism and method. 4,865,273, 9-12-89, Cl. 244-149.000.
- Jones, Leonard W. Article of clothing. 4,834,688, 5-30-89, Cl. 446-28.000.
- Jones, Leonard W. N., to James Burn International Ltd. Wire binding elements. 4,832,370, 5-23-89, Cl. 281-27.200.
- Jones, Leonard W. N., to James Burn International Ltd. Manufacture of wire binding elements. 4,873,858, 10-17-89, Cl. 72-312.000.
- Jones, Leonard W. N., to James Burn International Ltd. Manufacture of wire binding elements. 4,875,355, 10-24-89, Cl. 72-306.000.
- Jones, Lester A.: *See—*
  - Ilg, Gregory R. S.; Jones, Lester A.; and Flood, Mark A., 4,829,297, Cl. 340-825.080.
- Jones, Lloyd G., to Mobil Oil Corporation. Method for viscous hydrocarbon recovery. 4,815,537, 3-28-89, Cl. 166-270.000.
- Jones, Lloyd G.: *See—*
  - Hurd, B. George; Jones, Lloyd G.; and Strange, Lloyd K., 4,854,385, Cl. 166-273.000.
  - Jennings, Alfred R., Jr.; and Jones, Lloyd G., 4,807,702, Cl. 166-299.000.
- Jones, Loyd W. Acidic surfactant solvent composition. 4,882,075, 11-21-89, Cl. 252-8.553.
- Jones, Mark G., to J-10, Inc. Dumping utility trailer. 4,802,709, 2-7-89, Cl. 298-10.000.
- Jones, Mark T. Doorknob anti-rotation device. 4,869,305, 9-26-89, Cl. 150-155.000.
- Jones, Marshall G., to General Electric Company. Laser materials processing with a lensless fiber optic output coupler. 4,799,755, 1-24-89, Cl. 350-96.180.
- Jones, Marshall G.; Ortiz, Angel L., Jr.; Chande, Tushar S.; and August, John L., Jr., to General Electric Company. Apparatus and method for optical fiber end positioning for laser injection. 4,840,450, 6-20-89, Cl. 350-96.200.
- Jones, Marshall G.; and Batra, Prem N., to General Electric Company. Laser debridging of microelectronic solder joints. 4,877,175, 10-31-89, Cl. 228-102.000.
- Jones, Marshall G.: *See—*
  - Chande, Tushar S.; Jones, Marshall G.; Ortiz, Angel L., Jr.; and August, John L., Jr., 4,838,631, Cl. 350-6.600.
- Jones, Marston. Calibrated spring module. 4,795,342, 1-3-89, Cl. 433-19.000.
- Jones, Marvin E.: *See—*
  - Reed, John F.; and Jones, Marvin E., 4,874,399, Cl. 55-2.000.
- Jones, Michael A.; and Joynson, David W., to Marconi Company Limited, The. Pulse doppler radar system. 4,827,263, 5-2-89, Cl. 342-59.000.
- Jones, Michael C.: *See—*
  - Glamkowski, Edward J.; and Jones, Michael C., 4,847,414, Cl. 564-338.000.
- Jones, Michael D.: *See—*
  - Fayerman, Jeffrey T.; Jones, Michael D.; Michel, Karl H.; Yao, Raymond C.; and Zmijewski, Milton J., 4,880,735, Cl. 435-71.000.
- Jones, Michael E.: *See—*
  - Burke, Gregory M.; and Jones, Michael E., 4,808,988, Cl. 340-744.000.
- Jones, Michael E. B., to Imperial Chemical Industries PLC. Cross-linked polymer from aromatic dicarboxylic acid anhydride imide. 4,808,695, 2-28-89, Cl. 528-322.000.
- Jones, Michael F., to Telequip Corporation. Coil roll wrapper opening method and tool. 4,825,738, 5-2-89, Cl. 83-56.000.
- Jones, Michael R.: *See—*
  - Cleary, Edward J., Jr.; Coleman, Mike R.; and Jones, Michael R., 4,841,200, Cl. 315-363.000.
- Jones, Micheal D. Drive mechanism. 4,861,055, 8-29-89, Cl. 280-234.000.
- Jones, Murray W.: *See—*
  - Vergeer, Henry C.; Jones, Murray W.; and Robinson, Wayne, 4,813,233, Cl. 60-286.000.
- Jones, Neil A.: *See—*
  - Brown, Leland C., Jr.; Jones, Neil A.; and Pindell, Ferris, 4,803,792, Cl. 42-95.000.
- Jones, Norman B.; and Papageorgiou, George. Pressure or temperature transducer. 4,837,777, 6-6-89, Cl. 374-142.000.
- Jones, Olin: *See—*
  - Mitchell, Mark D.; and Jones, Olin, 4,825,509, Cl. 16-382.000.
- Jones, Owen S., to Parker Pen (Benelux) B.V. Knock type mechanical pencil connection. 4,806,038, 2-21-89, Cl. 401-86.000.
- Jones, Paul C.: *See—*
  - Nichelson, William; Groff, Gordon H.; and Jones, Paul C., 4,796,878, Cl. 271-10.000.
- Jones, Paul S.: *See—*
  - Phillipps, Gordon H.; Jones, Paul S.; and Cooper, Martin E., 4,851,399, Cl. 514-80.000.
- Jones, Paul W.; and Rabbani, Majid, to Eastman Kodak Company. Differential pulse code modulation scheme incorporating a reconstructed value constrainer. 4,847,866, 7-11-89, Cl. 375-27.000.
- Jones, Peter J., to Lord Corporation. Volume compensated fluid mount. 4,811,919, 3-14-89, Cl. 244-54.000.
- Jones, Peter S., to Dynacord Electronic-Und Geratebau GmbH & Co. Music synthesizer especially portable drum synthesizer. 4,867,028, 9-19-89, Cl. 84-735.000.
- Jones, Philip, to Pitcraft Summit Limited. Operating head with phased fluid delivery. 4,852,947, 8-1-89, Cl. 299-81.000.
- Jones, Philip E.; and Turner, Ralph E., Jr., to E.C.C. America Inc. Method for reducing the abrasion of calcined clay. 4,830,673, 5-16-89, Cl. 106-487.000.
- Jones, Philip E.; and Highet, Robert, to BPB Industries Public Limited Company. Floor system. 4,879,856, 11-14-89, Cl. 52-403.000.
- Jones, R. A. & Co. Inc.: *See—*
  - Greenwell, Joseph D., 4,874,067, Cl. 192-4.00R.
- Jones, Ralph W.: *See—*
  - Janusonis, Gaile A.; Jones, Ralph W.; Buntaine, James R.; Olm, Myra T.; and Eachus, Raymond S., 4,835,093, Cl. 430-567.000.
- Jones, Randal L.: *See—*
  - Garland, Anthony C.; and Jones, Randal L., 4,855,949, Cl. 364-900.000.
- Jones, Randal S.: *See—*
  - Karnezos, Marcos; and Jones, Randal S., 4,862,490, Cl. 378-161.000.
- Jones, Raymond D., to TII Industries, Inc. Self-contained air gap assembly. 4,866,562, 9-12-89, Cl. 361-119.000.
- Jones, Richard D., to UHR Corporation. Residential heating cooling and energy management system. 4,809,516, 3-7-89, Cl. 62-160.000.
- Jones, Richard E.; and Aubert, Richard W., to Byrne & Davidson Doors (N.S.W.) PTY. Limited. Door operation control apparatus. 4,831,509, 5-16-89, Cl. 364-167.010.
- Jones, Richard E.; and Billows, Mitchell J., to Byrne & Davidson Doors (N.S.W.) Pty. Limited. Releasable drive assembly. 4,844,140, 7-4-89, Cl. 160-310.000.
- Jones, Richard G.: *See—*
  - O'Leary, William J.; Hartnett, Thomas J., Jr.; and Jones, Richard G., 4,798,590, Cl. 604-153.000.
- Jones, Richard W.: *See—*
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- Jones, Robert D.; and Simpson, Curran M., to Nalco Chemical Company. Preparation of silica sol. 4,806,665, 2-21-89, Cl. 556-413.000.
- Jones, Robert D., to Mycro Group Company. Light fixture bi-directional joint and mounting means. 4,811,181, 3-7-89, Cl. 362-287.000.
- Jones, Robert E. Building arrangement and method for view site. 4,852,313, 8-1-89, Cl. 52-169.300.
- Jones, Robert E., to A. O. Smith Corporation. Surface mounted component adaptor for interconnecting of surface mounted circuit components. 4,871,317, 10-3-89, Cl. 439-68.000.
- Jones, Robert E. Knitting machine stop motion activator. 4,882,916, 11-28-89, Cl. 66-163.000.
- Jones, Robert E.: *See—*
  - Chang, Stanley S.; Jones, Robert E.; and Bau, Hui, 4,797,995, Cl. 29-825.000.
- Jones, Robert E., Jr.; Kammerdiner, Lee; and Reeder, Michael R., to INMOS Corporation. Non-destructive energy beam activated conductive links. 4,835,118, 5-30-89, Cl. 437-173.000.
- Jones, Robert E., Jr.: *See—*
  - McClure, Paul J.; and Jones, Robert E., Jr., 4,826,785, Cl. 437-174.000.
- Jones, Robert J.; and Chang, Glenn E. C., to TRW, Inc. Fiber reinforced thermoplastic resin matrix composites. 4,880,584, 11-14-89, Cl. 264-135.000.
- Jones, Robert L. Retractable arrow launch ramp with compound crossbow. 4,796,598, 1-10-89, Cl. 124-25.000.

Jones, Robert L.; and Wilson, Norman H., to National Research Development Corporation. Prostaglandins. 4,837,234, 6-6-89, Cl. 514-469.000.
Jones, Robert L.: *See*—
  Botsco, Ronald J.; Jones, Robert L.; and Methe, David E., 4,840,066, Cl. 73-597.000.
Jones, Robert S. Rowing machine. 4,798,378, 1-17-89, Cl. 272-72.000.
Jones, Robert V., to Unisys Corporation. High-speed data compressor/-decompressor for synthetic aperture radar. 4,801,939, 1-31-89, Cl. 342-25.000.
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  Chen, Albert C.; DeLuca, Robert D.; Jones, Robin M. F.; Mueller, Donald S.; and Yeganeh, Mary S., 4,826,430, Cl. 433-8.000.
Jones, Ronald; and Amy, Michael E., to NCR Corporation. Converter device for interconnecting systems having different communication standards. 4,884,287, 11-28-89, Cl. 375-121.000.
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  Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,820,776, Cl. 525-279.000.
  Kapuscinski, Maria M.; Liu, Christopher S.; Jones, Ronald E.; and Grina, Larry D., 4,836,943, Cl. 252-50.000.
  Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,877,415, Cl. 44-62.000.
  Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,886,611, Cl. 252-47.000.
  Liu, Christopher S.; Kapuscinski, Maria M.; Grina, Larry D.; and Jones, Ronald E., 4,842,756, Cl. 252-48.200.
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  Calenoff, Emanuel; Jones, Ruth M.; Tsay, Yuh-Geng; and Scott, John R., 4,849,337, Cl. 435-7.000.
Jones, Stanley C. Hybrid high pressure pump for gas-liquid permeameters. 4,856,967, 8-15-89, Cl. 417-342.000.
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  Braithwaite, David; Douglas, Robert J.; Jones, Stanley P.; Poole, James P.; and Rawson, Harold, 4,842,630, Cl. 65-30.140.
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  Lincoln, William W.; and Jones, Stephen J., 4,817,358, Cl. 52-557.000.
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Jones, Suzanne C.: *See*—
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Jones, Thad M. AC current switch. 4,855,666, 8-8-89, Cl. 323-351.000.
Jones, Theodore A., to Gardner, Christopher, a part interest. Slot-forming foil construction for sailing yachts. 4,803,939, 2-14-89, Cl. 114-39.100.
Jones, Theodore L., to Burle Technologies, Inc. Precisely aligned switch actuator assembly for multiple switches. 4,857,682, 8-15-89, Cl. 200-330.000.
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  Dozier, Harold W.; Jones, Thomas M.; Wallach, Steven J.; and Gruger, Jeffrey H., 4,809,171, Cl. 364-200.000.
  Gant, Alan D.; Nobles, David A.; Jones, Thomas M.; and Kimmel, Arthur T., 4,868,742, Cl. 364-200.000.
Jones, Thomas P., to Lion Technology Limited. Alcohol or drugs breath detecting devices. 4,868,545, 9-19-89, Cl. 340-573.000.
Jones, Thomas P. H.; and Lowe, Frank J., to Raychem Corporation. Article comprising fibre. 4,816,326, 3-28-89, Cl. 428-224.000.
Jones, Thomas R.; and Gould, Caryl, to ECC International Limited. Porous inorganic materials. 4,826,789, 5-2-89, Cl. 501-8.000.
Jones, Thomas R.; and Gould, Caryl, to ECC International Limited. Production of porous mullite bodies. 4,826,790, 5-2-89, Cl. 501-80.000.
Jones, Timothy A., to Mobil Oil Corporation. Decreasing total fluid flow in a fractured formation. 4,817,714, 4-4-89, Cl. 166-252.000.
Jones, Timothy A.; and Snavely, Earl S., to Mobil Oil Corporation. Process for selectively removing hydrogen sulfide from a gas stream at high pressure. 4,824,645, 4-25-89, Cl. 423-226.000.
Jones, Timothy A.; Kaluza, Thomas J.; and Roach, Robert E., to Mobil Oil Corporation. Method and apparatus for measuring fluid flow parameters through naturally fractured media. 4,884,438, 12-5-89, Cl. 73-153.000.
Jones, Timothy A.; and Snavely, Earl S., Jr., to Mobil Oil Corporation. Process for oxidizing multivalent metals. 4,889,701, 12-26-89, Cl. 423-220.000.
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Jones, Timothy G. J.; and Hughes, Trevor L., to Schlumberger Technology Corporation. Method of monitoring the drilling operations by analyzing the circulating drilling mud. 4,878,382, 11-7-89, Cl. 73-153.000.
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Jones, Wallace R.; and Isaksen, Robert A., to Excello Specialty Company, The. Surface protector with expansible pocket. 4,873,132, 10-10-89, Cl. 428-80.000.
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Jones, Winton D.; Dage, Richard C.; and Schnettler, Richard A., to Merrell Dow Pharmaceuticals Inc. Novel alkoxyimino ether derivatives of 5-acyl-2(1H) pyridinones. 4,849,522, 7-18-89, Cl. 546-288.000.
Jones, Winton D.; Schnettler, Richard A.; and Dage, Richard C., to Merrell Dow Pharmaceuticals Inc. Certain 3-carboxylate or 3-carbamyl-5-acyl-2-(1H)-pyridinones having cardiotonic properties. 4,853,395, 8-1-89, Cl. 514-332.000.
Jones, Winton D.; Claxton, George P.; Dage, Richard C.; Cheng, Hsien C.; and Robinson, Phillip J., to Merrell Dow Pharmaceuticals Inc. Qunolyloxazole-2-ones useful as proteinkinase C inhibitors. 4,886,811, 12-12-89, Cl. 514-314.000.
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  Schnettler, Richard A.; Jones, Winton D.; and Dage, Richard C., 4,866,182, Cl. 548-230.000.
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  Schnettler, Richard A.; Claxton, George P.; and Jones, Winton D., Jr., 4,866,085, Cl. 514-376.000.
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  Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 4,856,571, Cl. 152-209.00R.
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Jongenburger, Peter; and Singer, Robert, to BBC Brown Boveri AG. Superalloy with oxide dispersion hardening having improved corrosion resistance and based on nickel. 4,798,625, 1-17-89, Cl. 75-235.000.
Jongewaard, Susan K.; and Sills, Julia A., to Minnesota Mining and Manufacturing Company. Thermal dye transfer dye donor construction. 4,847,238, 7-11-89, Cl. 503-227.000.
Jongewaard, Susan K.; and Sills, Julia A., to Minnesota Mining and Manufacturing Company. Thermal dye transfer-dye receptor construction. 4,853,365, 8-1-89, Cl. 503-227.000.
Jongewaard, Susan K.; Smith, Terrance P.; and Zaklika, Krzysztof A., to Minnesota Mining and Manufacturing Company. Thermal dye transfer materials. 4,857,503, 8-15-89, Cl. 503-227.000.
Jongman, Allard; and Miller, James D., to Central Institute for the Deaf. Speech processing apparatus and methods for processing burst-friction sounds. 4,809,332, 2-28-89, Cl. 381-43.000.
Jonischkeit, Horst, to Henke-Sass, Wolf GmbH. Injection spray gun with adjustable pressure limitation. 4,861,339, 8-29-89, Cl. 604-118.000.

Jonker, Berend T.; Prinz, Gary A.; and Krebs, James J., to United States of America, Navy. Passivating layer for III-V semiconductor materials. 4,828,935, 5-9-89, Cl. 428-642.000.
Jonker, Berend T.: *See*—
  Prinz, Gary A.; Krebs, James J.; and Jonker, Berend T., 4,823,177, Cl. 357-27.000.
Jonker, Gary D.: *See*—
  Petrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,800,378, Cl. 340-722.000.
  Petrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,851,833, Cl. 340-722.000.
Jonker, Robert G. C. Connecting structure for panels intended for use in a storage and/or display device. 4,867,320, 9-19-89, Cl. 211-189.000.
Jonkers, Godefridus H. J. Venting cover. 4,828,129, 5-9-89, Cl. 215-260.000.
Jonkopings Lans Landsting: *See*—
  Oberg, Kurt, 4,821,200, Cl. 364-474.240.
Jonnalagadda, Krishnamurthy: *See*—
  Walter, James M.; Jonnalagadda, Krishnamurthy; and Flory, Robert E., 4,879,606, Cl. 358-330.000.
Jonner, Wolf-Dieter; and Zechmann, Jurgen, to Robert Bosch GmbH. Clutch actuation device. 4,796,739, 1-10-89, Cl. 192-13.00R.
Jonner, Wolf-Dieter; Kaes, Guenter; Maisch, Wolfgang; and Stegmaier, Alwin, to Robert Bosch GmbH. Apparatus for synchronizing the rpm of drive wheels of a motor vehicle upon starting. 4,805,965, 2-21-89, Cl. 303-100.000.
Jonner, Wolf-Dieter; Leiber, Heinz; and Roller, Dieter, to Robert Bosch GmbH. Method of controlling braking of a vehicle operating in a curved path, and vehicle brake control system. 4,852,009, 7-25-89, Cl. 364-426.020.
Jono, Masahiro: *See*—
  Isshiki, Tomiya; Yui, Tomoyuki; Abe, Mitsuo; Jono, Masahiro; and Uno, Hideo, 4,828,762, Cl. 260-396.00R.
Jonovic, John A.: *See*—
  Mally, Timothy G.; Jonovic, John A.; and Borsuk, Alvin, 4,832,970, Cl. 426-274.000.
Jonsas, Mats, to Autopart Sweden AB. Vehicle sun visor with illuminated mirror and sliding panel. 4,809,140, 2-28-89, Cl. 362-74.000.
Jonson, Bjorn, to Siemens Aktiengesellschaft. Method and apparatus for delivering aerosol to the airways and/or lungs of a patient. 4,819,629, 4-11-89, Cl. 128-203.220.
Jonson, Bjorn: *See*—
  Olsson, Sven G.; and Jonson, Bjorn, 4,840,167, Cl. 128-28.000.
Jonson Teknik KB: *See*—
  Jonsson, Sven; and Hagman, Anders, 4,856,101, Cl. 358-245.000.
Jonsson, Ann-Sofi. Distillation apparatus. 4,818,345, 4-4-89, Cl. 202-163.000.
Jonsson, Arne, to Asea Stal Ab. Power plant with combustion of a fuel in a fluidized bed. 4,805,405, 2-21-89, Cl. 60-39.464.
Jonsson, Arne, to ABB Stal AB. Fluidized bed fuel-fired power plant. 4,854,854, 8-8-89, Cl. 431-170.000.
Jonsson, Bengt; Persson, Sten; and Wiggins, David, to Tetra Pak International AB. Liquid pack and apparatus for the production thereof. 4,828,539, 5-9-89, Cl. 493-395.000.
Jonsson, Elof: *See*—
  Dahlberg, Sven; Jonsson, Elof; Lilius, Per; Olsson, Ingemar; Hesselbom, Hjalmar; and Wennergren, Rolf, 4,869,170, Cl. 102-202.500.
Jonsson, Erik S.: *See*—
  Golander, Carl G.; Jonsson, Erik S.; and Vladkova, Todorka G., 4,840,851, Cl. 428-523.000.
Jonsson, Jan I.: *See*—
  Johansson, Jan A.; Jonsson, Jan I.; and Lindstrom, Bjorn T., 4,875,555, Cl. 187-9.00R.
Jonsson, Karl S., to FA Konsult AB. Batten for a hand loom. 4,825,910, 5-2-89, Cl. 139-29.000.
Jonsson, Magnus, to Inter-Ikea A/S. Device for the impaling of loose leaves. 4,854,763, 8-8-89, Cl. 402-32.000.
Jonsson, Nils-Ake; and Rissler, Per, to Alfa-Laval Thermal AB. Plate heat exchanger. 4,813,478, 3-21-89, Cl. 165-78.000.
Jonsson, Nils-Ake; Nilsson, Bo Goran; and Persson, Hans-Lennart, to Alfa-Laval Thermal AB. Plate heat exchanger. 4,848,451, 7-18-89, Cl. 165-167.000.
Jonsson, Olov T.; and Carlsson, Sune R., to Albin Pump Aktiebolag. Equipment for portioning out pieces of a doughy product. 4,813,860, 3-21-89, Cl. 425-142.000.
Jonsson, Stig, to Landstingens inkopscentral LIC, ekonomisk forening. Surgical operating room lamp or similar lamp. 4,803,607, 2-7-89, Cl. 362-250.000.
Jonsson, Stig R. E., to Telefonaktiebolaget L M Ericsson. Arrangement for establishing wide band connection in a switching network. 4,809,299, 2-28-89, Cl. 370-58.000.
Jonsson, Sven; Persson, Erik; and Ostlund, Lars, to ASEA Aktiebolag. Method and a device for optimum control of control parameters in an industrial robot. 4,819,184, 4-4-89, Cl. 364-513.000.
Jonsson, Sven; and Hagman, Anders, to Jonson Teknik KB. Apparatus for diverting electrostatic fields, for instance from television viewing screens. 4,856,101, 8-8-89, Cl. 358-245.000.
Joo, Katsuhiro; and Ogasa, Yoshinao, to Shikoku Kakoki Co., Ltd. Process for producing packaged aseptic soybean curd. 4,826,701, 5-2-89, Cl. 426-573.000.
Joosaki, Hirofumi; and Yajima, Akio, to Hitachi, Ltd. Three-dimensional surface display method. 4,829,456, 5-9-89, Cl. 364-522.000.
Joos, Eugen: *See*—
  Hemminger, Hermann; Joos, Eugen; Jundt, Werner; and Werner, Peter, 4,888,697, Cl. 364-431.110.
Joos, Franz: *See*—
  Simon, Burkhard; and Joos, Franz, 4,842,197, Cl. 239-5.000.
Joos, Heinz: *See*—
  Krenkel, Bernhard; and Joos, Heinz, 4,859,396, Cl. 264-311.000.
  Krenkel, Bernhard; and Joos, Heinz, 4,889,674, Cl. 264-130.000.
Joosten, Louis G. J.; and Stemkens, Matheas T. M., to Oce-Nederland B.V. Control circuit for a laser printer. 4,868,675, 9-19-89, Cl. 358-296.000.
Joppien, Hartmut: *See*—
  Neh, Harribert; Buhmann, Ulrich; Joppien, Hartmut; and Giles, David, 4,837,220, Cl. 514-403.000.
  Neh, Harribert; Buhmann, Ulrich; Wegner, Peter; Joppien, Hartmut; Giles, David; and Rowson, Graham P., 4,888,340, Cl. 514-403.000.
  Wegner, Peter; Kruger, Hans-Rudolf; Baumert, Dietrich; and Joppien, Hartmut, 4,889,870, Cl. 514-429.000.
Jorda, Jose M., to Intermas, S.A. Extruded plastics net bag. 4,795,268, 1-3-89, Cl. 383-40.000.
Jordal, Robert L. Dual louver blade jalousie window. 4,813,183, 3-21-89, Cl. 49-74.000.
Jordal, Robert L. Security awning window. 4,855,716, 8-8-89, Cl. 340-550.000.
Jordal, Robert L. Integrated smoke and intrusion alarm system. 4,862,141, 8-29-89, Cl. 340-521.000.
Jordan, Alan: *See*—
  Jordan, Cindy; and Jordan, Alan, 4,801,166, Cl. 294-9.000.
Jordan, Ann K.: *See*—
  Arenson, Herbert; and Jordan, Ann K., 4,886,270, Cl. 273-139.000.
Jordan, Anthony D.: *See*—
  Crosetto, John J.; Earle, Kent L.; and Jordan, Anthony D., 4,795,936, Cl. 310-156.000.
Jordan, Bernd: *See*—
  Hennecke, Dieter; Herb, Eugen; Ochner, Udo; and Jordan, Bernd, 4,821,189, Cl. 364-424.050.
Jordan, Chalmer; Connor, Lee; Lybarger, Robert; and Gutshall, Charles, to Saegertown Manufacturing Corporation. Thread forming apparatus having tangential chasers for cutting a thread on a railroad spike. 4,824,297, 4-25-89, Cl. 408-217.000.
Jordan, Cindy; and Jordan, Alan. Grate handle. 4,801,166, 1-31-89, Cl. 294-9.000.
Jordan, Dale A.; Fitzsimmons, Lynne A.; Greenseth, William A.; Hoffman, Gregory L.; and Stubbs, David D., to Tektronix, Inc. Block diagram editor system and method for controlling electronic instruments. 4,868,785, 9-19-89, Cl. 364-900.000.
Jordan Enterprises: *See*—
  Strong, Bernard, 4,883,101, Cl. 141-27.000.
Jordan, Harold W.: *See*—
  Jekot, David E.; and Jordan, Harold W., 4,862,499, Cl. 379-368.000.
Jordan, Harry M., Sr.: *See*—
  Caparelli, Guy I., Jr.; and Jordan, Harry M., Sr., 4,809,456, Cl. 43-17.000.
Jordan, Heinrich; and Sushardt, Rolf, to Holstein und Kappert GmbH. Filling valve for counterpressure filling machines. 4,794,959, 1-3-89, Cl. 141-141.000.
Jordan, Howard E.; Woods, Edward J.; Caruso, John T.; and Forte, Luciano, to Reliance Electric Company. Motor starting circuit. 4,862,053, 8-29-89, Cl. 318-786.000.
Jordan, James R.: *See*—
  Whittington, Herbert W.; Jordan, James R.; and Flanagan, Ian, 4,837,511, Cl. 324-236.000.
Jordan, Jeffrey W.; and Olson, Don C., to Shell Oil Company. Apparatus for continuous flow injection solvent extraction analysis. 4,816,226, 3-28-89, Cl. 422-81.000.
Jordan, Josef: *See*—
  Singh-Verma, Shyam B.; Jordan, Josef; and Sossna, Raimund, 4,865,757, Cl. 252-117.000.
Jordan, Lawrence J.; and Pille, Charles W., to Maytag Corporation. Dishwasher pump with particle cutter. 4,795,102, 1-3-89, Cl. 241-46.00R.
Jordan, Maureen L.; Ayer, Atul D.; Magruder, Paul R.; and Edgren, David E., to ALZA Corporation. Dosage form comprising fast agent delivery followed by slow agent delivery. 4,814,181, 3-21-89, Cl. 424-473.000.
Jordan, Pavel; Muff, Janet; and Strong, Bernard, to Pavel Jordan & Associates. Plastic device for injection and obtaining blood samples. 4,850,973, 7-25-89, Cl. 604-157.000.
Jordan, Pavel; Muff, Janet; and Strong, Bernard, to Pavel Jordan & Associates. Plastic device for injection and obtaining blood samples. 4,858,607, 8-22-89, Cl. 128-314.000.
Jordan, Peter, to Davy McKee (Stockton) Limited. Tuyere stock for blast furnaces. 4,865,298, 9-12-89, Cl. 266-270.000.
Jordan, Raymond L.; and Jordan, Rita A. Static free clothes dryer. 4,881,325, 11-21-89, Cl. 34-60.000.
Jordan, Rita A.: *See*—
  Jordan, Raymond L.; and Jordan, Rita A., 4,881,325, Cl. 34-60.000.
Jordan, Robert C.; and Portelli, Gene B., to Minnesota Mining and Manufacturing Company. Fiber reinforced composites with improved glass transition temperatures. 4,882,370, 11-21-89, Cl. 523-215.000.
Jordan, Robert O. Method for adjusting camber of MacPherson strut. 4,867,473, 9-19-89, Cl. 280-661.000.
Jordan, Russell T., to Chemex Pharmaceuticals, Inc. Compositions of catecholic butanes with zinc. 4,880,637, 11-14-89, Cl. 424-641.000.

Jordan, Stephen P., to Du Pont de Nemours, E. I., and Company. Preparation of acrylonitrile. 4,801,731, 1-31-89, Cl. 558-320.000.

Jordan, Terence; and Hall, John M., to Rolls-Royce plc. Gas turbine engine with bypass diverter means. 4,845,939, 7-11-89, Cl. 60-226.100.

Jordan, Terence: *See—*
Denning, Ralph M.; Hall, John M.; and Jordan, Terence, 4,821,979, Cl. 244-23.00D.

Jordan, Tommy D. Waterbed burper. 4,862,542, 9-5-89, Cl. 5-508.000.

Jordan, William. Ice fishing rig. 4,811,514, 3-14-89, Cl. 43-19.200.

Jordan, William D.; and Clemens, Donald L., to Thermalloy Incorporated. Alignment apparatus for use in mounting electronic components and heat sinks on circuit boards. 4,847,449, 7-11-89, Cl. 174-138.00G.

Jordan, William E.; and Ryan, Leslie D., to Procter & Gamble Company, The. Disposable absorbent articles for incontinent individuals. 4,842,593, 6-27-89, Cl. 604-360.000.

Jordan, Willie W., to Abbott Laboratories. Reagent pack and carousel. 4,849,177, 7-18-89, Cl. 422-64.000.

Jordens, Ernst-Gunter; and Sprute, Johannes, to Lemforder Metallwaren AG. Fluid cushioning mounting particularly for engines in motor vehicles. 4,805,884, 2-21-89, Cl. 267-140.100.

Jordens, Ernst-Gunter; and Sprute, Johannes, to Lemforder Metallwaren AG. Two chamber support bearing with hydraulic damping. 4,834,348, 5-30-89, Cl. 267-140.100.

Jordon, Dara. Multiform convertible tent and hammock. 4,862,906, 9-5-89, Cl. 135-95.000.

Jordy, George J.: *See—*
Curtin, James J.; Dorler, Jack A.; Jordy, George J.; and Leiner, Kenneth L., 4,798,976, Cl. 307-441.000.

Jorg, Benno: *See—*
Eckel, Hans-Gerd; and Jorg, Benno, 4,813,909, Cl. 464-90.000.
Eckel, Hans-Gerd; Grassmuck, Volker; Jorg, Benno; Kurr, Klaus; and Sommer, Eberhard, 4,850,244, Cl. 74-574.000.
Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, 4,852,424, Cl. 74-574.000.
Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, 4,854,751, Cl. 384-537.000.

Jorg, Gunther W. End plate for a ram-wing boat. 4,883,015, 11-28-89, Cl. 114-272.000.

Jorge Gabrielli Zacharias Calixto: *See—*
Betti, Pier L., 4,884,381, Cl. 52-741.000.

Jorgen Mosbaek Johannessen ApS: *See—*
Johannessen, Jorgen M., 4,834,142, Cl. 137-813.000.

Jorgensen, Allen R.; Belongia, Larry P.; Gordon, Kenneth A.; and La Haye, John L., to Magna-Graphics Corporation. Web rewind apparatus with cutless web transfer. 4,798,350, 1-17-89, Cl. 242-64.000.

Jorgensen, Betty S.: *See—*
Liepins, Raimond; Jorgensen, Betty S.; and Liepins, Leila Z., 4,876,032, Cl. 252-500.000.

Jorgensen, Helge D. Tiller extension hinge. 4,834,012, 5-30-89, Cl. 114-162.000.

Jorgensen, Ib E.: *See—*
Nexo, Sten A.; Christensen, Jorgen; and Jorgensen, Ib E., 4,818,882, Cl. 250-343.000.

Jorgensen, Jeffrey A., to Avtech Corporation. High frequency, electronic fluorescent lamp ballast. 4,870,327, 9-26-89, Cl. 315-307.000.

Jorgensen, Jens E.: *See—*
Chalupnik, James D.; Garbini, Joseph L.; and Jorgensen, Jens E., 4,841,224, Cl. 324-61.00P.
Garbini, Joseph L.; Albrecht, Laurence J.; Jorgensen, Jens E.; and Mauer, George F., 4,814,691, Cl. 324-61.00R.

Jorgensen, Jens L.; Haskett, Thomas E.; and Rueb, John T., to Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive having broad useful temperature range. 4,835,217, 5-30-89, Cl. 525-93.000.

Jorgensen, John L.: *See—*
Berg, Flemming; Olgaard, Povl L.; and Jorgensen, John L., 4,820,919, Cl. 250-269.000.

Jorgensen, Jorgen A.: *See—*
Dalquist, H. David; Jorgensen, Jorgen A.; Keleny, Lloyd G.; Nygren, Donald W.; and Taylor, John N., 4,796,776, Cl. 220-203.000.

Jorgensen, Karin D., to Nordiske Gentofte A/S. The use of human growth hormone for the treatment of intoxicated individuals. 4,816,439, 3-28-89, Cl. 514-12.000.

Jorgensen, Keith J. Audio/video electronic component cabinet. 4,828,340, 5-9-89, Cl. 312-7.100.

Jorgensen, Lars L. S., to Jydsk Varmekedelfabrik A/S. Method and apparatus for the cleaning of flue gas and the recovery of heat from same. 4,860,670, 8-29-89, Cl. 110-215.000.

Jorgensen, Lars M.: *See—*
Gray, Joseph H.; Greenstreet, Mark R.; and Jorgensen, Lars M., 4,868,776, Cl. 364-726.000.

Jorgensen, Paul R., to Durgo AG. Circuit arrangement and resonant label, and a process for its production. 4,797,785, 1-10-89, Cl. 361-402.000.

Jorgensen, Paul R. Method and circuit for automatic gain control of a signal. 4,859,964, 8-22-89, Cl. 330-279.000.

Jorgensen, Paul R., to Durgo AG. Resonance label and method for its fabrication. 4,876,555, 10-24-89, Cl. 343-895.000.

Jorgensen, Robert W.; and Schnell, Kenneth R., to Hubbell Incorporated. Screw attachment pocket with guide tab. 4,843,189, 6-27-89, Cl. 174-53.000.

Jorgensen, Robert W., to Hubbell Incorporated. Fixture box for ceiling fan support. 4,880,128, 11-14-89, Cl. 220-3.900.

Jorgensen, Robert W.: *See—*
Schnell, Kenneth R.; and Jorgensen, Robert W., 4,844,275, Cl. 220-3.900.

Jorgensen, Scott M. Line spool for fishing reels. 4,856,730, 8-15-89, Cl. 242-118.400.

Jorgensen, Stephen W., to United Technologies Corporation. Axial compressor blade assembly. 4,878,811, 11-7-89, Cl. 416-215.000.

Jorgensen, Stephen W.: *See—*
Dimmick, John H., III; and Jorgensen, Stephen W., 4,887,949, Cl. 411-121.000.

Jorgenson, Michael W.: *See—*
Myerly, Richard C.; Jorgenson, Michael W.; and Critchfield, Frank E., 4,797,501, Cl. 556-445.000.

Jorkasky, Richard J., II: *See—*
Quigley, Vincent P.; and Jorkasky, Richard J., II, 4,888,367, Cl. 524-17.000.

Jorke, Helmut; and Kibbel, Horst, to Licentia Patent-Verwaltungs-GmbH. Method for doping semi-conductor material during epitaxial growth. 4,806,502, 2-21-89, Cl. 437-106.000.

Jorke, Helmut; and Luy, Johann-Friedrich, to Licentia Patent-Verwaltungs-GmbH. Impatt diode. 4,857,972, 8-15-89, Cl. 357-4.000.

Jorke, Helmut: *See—*
Herzog, Hans-Joest; Jorke, Helmut; and Kibbel, Horst, 4,843,028, Cl. 437-81.000.

Jorlov, Richard; Nystrom, Lars; and Lewenhaupt, Sixten, to Aimpoint AB. Power supply circuit for a diode adapted to emit light in dependence of the prevailing surrounding light. 4,804,858, 2-14-89, Cl. 307-66.000.

Jormalainen, Eero: *See—*
Tormala, Pertti; Pohjonen, Timo; Iharamaki, Aimo; Jormalainen, Eero; and Linna, Kauko, 4,829,097, Cl. 521-109.100.

Jorn, Deborah A.: *See—*
Marburg, Stephen; Tolman, Richard L.; and Jorn, Deborah A., 4,830,852, Cl. 424-85.800.

Jorneus, Lars; Loof, Lennart; and Rangert, Bo, to Nobelpharma AB. Apparatus for the fixation of a single-tooth restoration. 4,824,37 4-25-89, Cl. 433-174.000.

Jorno, Lars L. Dumbbell and gymnastic device for fitness and strength training. 4,846,464, 7-11-89, Cl. 272-119.000.

Jornod, Eugene R.; Mueller, James G.; and Solar, Matthew S., to Barber-Colman Company. Method and apparatus for automatic offset compensation in parameter-sensing transducer systems. 4,817,022, 3-28-89, Cl. 364-571.030.

Jornvall, Hans: *See—*
Carlquist, Mats; Jornvall, Hans; Forssmann, Wolf-Georg; Thim, Lars; Johansson, Catja; and Mutt, Viktor, 4,806,336, Cl. 424-9.000.
Rusch, Volker; Reichhart, Robert; Zeppezauer, Michael; and Jornvall, Hans, 4,818,763, Cl. 514-2.000.

Jorquera, Luis T., to Corporacion Nacional del Corbe de Chile. Method for constructing and repairing metallurgical converters. 4,840,75 7-18-89, Cl. 266-44.000.

Jorritsma, Johannes N. Method and apparatus for calculating flow rate through a pumping station. 4,821,580, 4-18-89, Cl. 73-861.000.

Jorroch, Waldemar; and Schekalla, Peter, to Kabelwerke Reinshagen GmbH. Multiple pole coupling for electrical lines. 4,846,737, 7-11-89, Cl. 439-752.000.

Jorstad, Storker; and Smedby, Leif, to Fabio Fasting Biotech A/S. Device for the removal of cryoglobulins. 4,872,978, 10-10-89, Cl. 210-181.000.

Jory, Howard R.: *See—*
Ives, Robert L.; Jory, Howard R.; and Feinstein, Joseph, 4,851,7 Cl. 331-91.000.

Jorzyk, Sigurd; Scholl, Gerhard; Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, to Saarbergwerke Aktiengesellschaft. Cooling tower for the cooling water that drains from the condensor of a steam generator or the condensors of a plurality of steam generators. 4,885,011, 12-5-89, Cl. 55-242.000.

Joschko, Guenter: *See—*
Redlich, Horst; and Joschko, Guenter, 4,821,250, Cl. 369-18.000.

Joschko, Gunter: *See—*
Redlich, Horst; and Joschko, Gunter, 4,814,047, Cl. 204-5.000.
Redlich, Horst; and Joschko, Gunter, 4,881,133, Cl. 358-29.000.

Jose, Vince A., to Westinghouse Electric Corp. Rotary combustor 4,840,132, 6-20-89, Cl. 110-246.000.

Josef Gartner & Co.: *See—*
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Gartner, Karl, 4,817,349, Cl. 52-220.000.

Josef Maier: *See—*
Merkel, Josef, 4,821,995, Cl. 249-219.100.

Josef, Michael J., to Albany International Corp. Paper machine clothing. 4,829,681, 5-16-89, Cl. 34-123.000.

Josef Timmer GmbH: *See—*
Wolf, Rudolf, 4,848,522, Cl. 188-71.200.

Josefiak, Christoph: *See—*
Diamantoglou, Michael; Josefiak, Christoph; and Magerlein, Helmut, 4,795,762, Cl. 521-84.100.

Josefsson, Bjorn; Einarsson, Stefan; Sanchez, Dominique; and Moller, Per, to Eka Nobel AB. Method for the separation and determination of enantiomeric amine compounds using an optically active agent. 4,818,704, 4-4-89, Cl. 436-111.000.

Joseph, Ady, to Metafuse Limited. Process for the fusion of one element into a second element. 4,840,711, 6-20-89, Cl. 204-15.000.

Joseph, Alan W., Jr.; and Joseph, Timothy E., to Joseph, Alan W., Jr. Scuba whistle. 4,852,510, 8-1-89, Cl. 116-140.000.

Joseph, Beresford C.; and Burkett, Daryl W. Arc welding capable of multi-mode welding. 4,868,366, 9-19-89, Cl. 219-137.710.

Joseph, Brian J.; Procter, Leo G.; and Roy, Carl W., to Eastman Kodak Co. Reproduction apparatus having a sprocket-driven transfer drum. 4,884,105, 11-28-89, Cl. 355-212.000.

Joseph, Brian J.; and Hilbert, Thomas K., to Eastman Kodak Company. Electrographic development apparatus having a ribbon blender. 4,887,132, 12-12-89, Cl. 355-253.000.

Joseph, Charles A.; and Petrozello, James R., to International Business Machines Corporation. Method of using electrically conductive composition. 4,859,268, 8-22-89, Cl. 156-275.500.

Joseph, Charles M. Convertible water ski handle. 4,867,722, 9-19-89, Cl. 441-69.000.

Joseph, Craig A.: *See—*
Cody, George D.; Joseph, Craig A.; Sela, Uri; and Baker, Charles L., 4,824,016, Cl. 239-8.000.

Joseph, Earl M.; Pritchard, Robert J.; and Sufi, Arshad H., to Amoco Corporation. Method of producing viscous oil from subterranean formations. 4,874,043, 10-17-89, Cl. 166-272.000.

Joseph, Eugene G.: *See—*
Bronn, William R.; Silver, Spencer F.; and Joseph, Eugene G., 4,857,615, Cl. 526-173.000.
Silver, Spencer F.; Bronn, William R.; and Joseph, Eugene G., 4,857,618, Cl. 526-240.000.

Joseph, Ezekiel; Kramer, Gordon; and Oh, Chan S., to Xtalite Technology Limited/La Technologie Xtalite Limitee. Liquid crystal display apparatus. 4,824,215, 4-25-89, Cl. 350-339.00D.

Joseph, Frank; Krauss, Helmuth; Muller, Peter; and Kreher, Klaus, to Merck Patent Gesellschaft MIT Beschrankter Haftung. Valves for chemical containers. 4,805,675, 2-21-89, Cl. 141-302.000.

Joseph, Frank: *See—*
Sielaff, Gunter; Joseph, Frank; and Harder, Norbert, 4,861,524, Cl. 261-130.000.

Jos. Hunkeler Ltd.: *See—*
Felix, Willi, 4,877,177, Cl. 229-92.300.
Hunkeler, Franz; Rey, Max; and Wunder, Renate, 4,868,027, Cl. 428-42.000.

Joseph, J. M.: *See—*
Grieb, John H.; Joseph, J. M.; Weaver, Richard D.; and Bata, George T., 4,854,024, Cl. 29-156.70R.

Joseph, James D.: *See—*
Vu, Tho T.; Peczalski, Andrzej; and Joseph, James D., 4,845,681, Cl. 365-230.080.

Joseph, Johannes; Bleicher, Maximilian; and Greiner, Walter. Electromagnetic indicator device. 4,800,381, 1-24-89, Cl. 340-764.000.

Joseph Kieninger Uhrenfabrik GmbH: *See—*
Hepfer, Rolf; and Runzler, Jurgen, 4,803,673, Cl. 368-269.000.

Joseph, Kuriacose: *See—*
Raychaudhuri, Dipankar; and Joseph, Kuriacose, 4,841,527, Cl. 371-32.000.

Joseph L. Brooks Manufacturing Corp.: *See—*
Beckerman, Howard L., 4,802,055, Cl. 361-56.000.

Joseph Leeb Enterprises, Inc.: *See—*
Wong, Robert P., 4,836,786, Cl. 434-365.000.

Joseph, Michael F.: *See—*
Chang, Robert C. W.; Vorndran, Steven C.; and Joseph, Michael F., 4,870,911, Cl. 110-246.000.
Chang, Robert C. W.; Vorndran, Steven C.; and Joseph, Michael F., 4,886,001, Cl. 110-346.000.

Joseph-Nathan, Pedro; and Morales-Rios, Martha S., to Centro de Investigacion y de Estudios Avanzados Del Instituto Politecnico Nacional. Processes for the preparation of 3-amino-2-(5-methoxy-1H-indol-3-yl) propionic acid monohydrate. 4,803,284, 2-7-89, Cl. 548-497.000.

Joseph Patrick McGillis: *See—*
McGillis, Joseph P.; and Fly, Howard G., 4,872,668, Cl. 272-130.000.

Joseph, Philippe; and Perrochat, Jean-Michel, to Societe D'Applications Des Machines Motrices. Bidirectional quick-opening peak-limiting valve for a hydropneumatic suspension element. 4,795,008, 1-3-89, Cl. 188-280.000.

Joseph, Philippe; and Perrochat, Jean Michel, to S.A.M.M. - Societe d'Applications des Machines Motrices. Hydropneumatic suspension unit for wheeled vehicles, particularly cross-country vehicles. 4,875,706, 10-24-89, Cl. 280-708.000.

Joseph, Robert R.: *See—*
Balasubramanyam, Karanam; Joseph, Robert R.; and Renbeck, Robert B., 4,808,545, Cl. 437-41.000.

Joseph, Timothy E.: *See—*
Joseph, Alan W., Jr.; and Joseph, Timothy E., 4,852,510, Cl. 116-140.000.

Joseph, Werner: *See—*
Schittenhelm, Hans-Joachim; and Joseph, Werner, 4,847,218, Cl. 501-21.000.

Josephs, Charles R., to Rent-A-Vault, Inc. Portable storage container with integral ramp. 4,854,460, 8-8-89, Cl. 220-1.500.

Josephs, Richard M. Apparatus for measuring the hysteresis loop of hard magnetic films on large magnetic recording disk. 4,816,761, 3-28-89, Cl. 324-212.000.

Josephson, David B., to Mallinckrodt, Inc. Process for masking a cooked flavor in heated milk. 4,851,251, 7-25-89, Cl. 426-580.000.

Josephson, Donald G., to Polaroid Corporation. Data card illumination arrangement. 4,881,091, 11-14-89, Cl. 354-132.000.

Josephson, Lee: *See—*
Groman, Ernest V.; Josephson, Lee; and Lewis, Jerome M., 4,827,945, Cl. 128-653.000.

Josereau, Bernard, to Establissements Maurice Maillard. Bicycle freewheel starwheel and free wheel provided with such a starwheel. 4,840,260, 6-20-89, Cl. 192-64.000.

Josey, Archie B., Jr.; and Sox, Timothy C. Automatically retracting chalk line assemble. 4,813,145, 3-21-89, Cl. 33-414.000.

Joshi, Ashok V., to Ceramatec, Inc. Electrolyte assembly for oxygen generating device and electrodes therefor. 4,879,016, 11-7-89, Cl. 204-242.000.

Joshi, Narendra D., to Prutech II. Torch igniter for a combustor having U.V. flame detection. 4,860,533, 8-29-89, Cl. 60-39.060.

Joshi, Rajendra K.: *See—*
Speiser, Peter P.; and Joshi, Rajendra K., 4,851,439, Cl. 514-547.000.

Joshi, Utpal G.: *See—*
Alam, Abu S.; Joshi, Utpal G.; Mehta, Jairaj U.; Sayeed, Fakrul A. A.; and Kapoor, John N., 4,879,308, Cl. 514-509.000.

Joshi, Yatindra M.; Bachman, William R.; and Jain, Nemichand B., to E. R. Squibb & Sons, Inc. Pharmaceutical compositions in the form of beadlets and method. 4,808,413, 2-28-89, Cl. 424-458.000.

Joshin Uramoto: *See—*
Uramoto, Joshin; Suzuki, Koichi; Oyama, Takuji; and Kojima, Hiroyasu, 4,885,068, Cl. 204-192.110.

Joslin Diabetes Center, Inc.: *See—*
Soeldner, J. Stuart, 4,855,242, Cl. 436-539.000.

Joslyn Corporation: *See—*
Cunningham, Francis V., 4,822,291, Cl. 439-187.000.
LaRock, Gary J., 4,818,820, Cl. 174-36.000.

Joslyn, Larry, to Joslyn Valve Corporation. Chemical sterilant recovery and conversion. 4,812,292, 3-14-89, Cl. 422-31.000.

Joslyn, Larry, to Joslyn Valve Corporation. Method for the recovery of sterilants. 4,822,563, 4-18-89, Cl. 422-31.000.

Joslyn Valve Corporation: *See—*
Joslyn, Larry, 4,812,292, Cl. 422-31.000.
Joslyn, Larry, 4,822,563, Cl. 422-31.000.

Josquin, Wilhelmus J. M. J., to U.S. Philips Corporation. Method of manufacturing a semiconductor device. 4,859,630, 8-22-89, Cl. 437-203.000.

Joss, Bernard: *See—*
Teodoridis, Viron; and Joss, Bernard, 4,884,252, Cl. 368-10.000.

Joss, Werner: *See—*
Thunker, Norbert; Spiegel, Nikolaus; Lorenz, Roland; and Joss, Werner, 4,854,236, Cl. 101-411.000.

Josse, Alain: *See—*
Carel, Claude; and Josse, Alain, 4,870,903, Cl. 102-201.000.

Josserand, Joseph: *See—*
Babel, Bernard; Josserand, Joseph; and Gambin, Remi, 4,814,574, Cl. 219-69.00W.

Josso, Frank: *See—*
Kertesz, Claude; Koehly, Gerard; Josso, Frank; and Bernard, Andre , 4,839,102, Cl. 252-628.000.

Josso, Pierre J.; Gossart, Isabelle V.; and Duret-Thual, Claude, to Office National d'Etudes et de Recherches Aerospatiales. Hydrazine bath for chemically depositing nickel and/or cobalt, and a method of preparing such a bath. 4,844,739, 7-4-89, Cl. 106-1.270.

Josson, Bert O., to Besam AB. Object sensing apparatus. 4,888,532, 12-19-89, Cl. 318-480.000.

Jost, Frantisek; and Wisotzki, Klaus-Dieter, to Henkel Kommanditgesellschaft auf Aktien. Liquid cleaning preparation for hard surfaces. 4,880,558, 11-14-89, Cl. 252-174.230.

Jost, Frantisek: *See—*
Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.
Leiter, Herbert; Brodalla, Dieter; Wennemann, Harald; Jost, Frantisek; and Buhl, Andreas, 4,844,744, Cl. 134-40.000.
Piorr, Robert; Rommerskirchen, Hans-Josef; Ritterbex, Horst; and Jost, Frantisek, 4,820,451, Cl. 260-400.000.

Jost, Gerhard, to Carl Schenck AG. Method and apparatus for the continuous measuring of bulk material passing over a measuring wheel. 4,821,581, 4-18-89, Cl. 73-861.360.

Jost, Heinz: *See—*
Pennewiss, Horst; Jost, Heinz; and Knoell, Helmut, 4,822,508, Cl. 252-56.00R.
Pennewiss, Horst; Jost, Heinz; and Knoell, Helmut, 4,867,894, Cl. 252-56.00R.

Jost, John W.: *See—*
Gallup, Darrell L.; and Jost, John W., 4,830,766, Cl. 252-8.552.

Jost, Max; Jaffe, Edward E.; and Bugnon, Philippe, to Ciba-Geigy Corporation. Novel compositions based on C.I. Pigment Red 177. 4,863,522, 9-5-89, Cl. 106-494.000.

Jost, Ulrike: *See—*
Bauch, Hartmut; Krause, Peter; Jost, Ulrike; Kersten, Ralf; Paquet, Volker; and Siefert, Wolfgang, 4,859,222, Cl. 65-3.120.

Jostan, Josef L.: *See—*
Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, 4,812,202, Cl. 156-628.000.
Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, 4,832,988, Cl. 427-305.000.
Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, 4,885,053, Cl. 156-635.000.

Josten, Marvin H.; Kovar, Henry C.; and Schneider, Kenneth W., to Schneider Metal Manufacturing Co. Apparatus and method of dispensing particulate ice and cold beverage with irreversible separation of cooling ice. 4,803,850, 2-14-89, Cl. 62-98.000.

Joswig, Thomas: *See—*
Freitag, Dieter; Joswig, Thomas; Idel, Karsten; Fullmann, Heinz-Josef; and Muller, Friedemann, 4,888,370, Cl. 524-100.000.
Jou, Lin W. Channelled structural element. 4,856,253, 8-15-89, Cl. 52-717.100.
Jou, Shoei-Sheng: *See—*
Lay, Bor-Cherng; and Jou, Shoei-Sheng, 4,841,162, Cl. 307-112.000.
Jouade, Pierre, to Hutchinson. Hydraulic antivibratory support sleeves. 4,840,357, 6-20-89, Cl. 267-140.100.
Joubert, Arthur P. Preparation of natural fertilizing material. 4,804,402, 2-14-89, Cl. 71-12.000.
Joubert, Daniel; and Parker, Philippe, to Rhone-Poulenc Chimie. Composite detergent particulates. 4,832,862, 5-23-89, Cl. 252-135.000.
Joubert, Daniel; and Parker, Philippe, to Rhone-Poulenc Chimie. Use of metasilicate/silica combination granulate in detergent compositions for washing machines. 4,844,831, 7-4-89, Cl. 252-140.000.
Joubert, Johannes W. Foundation support for a building. 4,830,543, 5-16-89, Cl. 405-233.000.
Joubert, Philippe; and Castel, Yvon, to Institut Francais du Petrole. System for remote anchoring and tensioning of an elongate element. 4,809,952, 3-7-89, Cl. 254-29.00A.
Joubert, Philippe, and Falcimaigne, Jean, to Institut Francais du Petrole. Device for preventing a flexible line from twisting. 4,820,217, 4-11-89, Cl. 441-5.000.
Joubert, Philippe: *See—*
Bachelard, Roland; and Joubert, Philippe, 4,851,203, Cl. 423-290.000.
Joubert S. A.: *See—*
Standing, Colin A., 4,861,645, Cl. 428-196.000.
Joud, Jean-Charles: *See—*
Senillou, Claude; de Framond, Remy; Garnier, Marcel; Yavari, Ali R.; and Joud, Jean-Charles, 4,858,675, Cl. 164-503.000.
Jouffreau, Jacques, to Centre National d'Etudes Spatiales. Reusable thermal protection member for an object subject to great heating. 4,804,571, 2-14-89, Cl. 428-77.000.
Jouguelet, Denis, to Automobiles Peugeot; and Automobiles Citroen. Mould for moulding of a foundry pattern and process for putting it into practice. 4,884,622, 12-5-89, Cl. 164-45.000.
Jouillat, Claude: *See—*
Brunet, Michel; and Jouillat, Claude, 4,856,677, Cl. 222-94.000.
Joukou, Isao; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, to Kurita Water Industries, Ltd. Sustained release aromatic. 4,880,774, 11-14-89, Cl. 512-2.000.
Joulain, Daniel; Racine, Philippe; and Maire, Francoise, to Robertet S.A. Agent neutralizing bad smells from excretions and excrements of animals. 4,840,792, 6-20-89, Cl. 424-76.100.
Joulia, Gerard: *See—*
Morane, Bruno; and Joulia, Gerard, 4,854,759, Cl. 401-119.000.
Jouquey, Alain; Philibert, Daniel; Moguilewsky, Martine; and Veltz, Jean-Noel, to Roussel Uclaf. Novel radioactive steroids. 4,865,767, 9-12-89, Cl. 260-397.450.
Jour, Jean-Paul; Orban, Jacques; and Salvaire, Andre , to Etudes et Fabrication. Cement mixing process. 4,838,699, 6-13-89, Cl. 366-2.000.
Jourdain, Gerard E. A.; Payen, Jean M.; and Mazeaud, Georges, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S. N. E. C. M. A.". Turbo-machine with device for automatically controlling the rate of flow of turbine ventilation air. 4,805,398, 2-21-89, Cl. 60-39.750.
Jourdain, Gerard E. A.: *See—*
Berneuil, Yves R. J.; and Jourdain, Gerard E. A., 4,817,871, Cl. 239-265.390.
Jourdain, Marc; and Marnat, Michel, to Establissements Maurice Maillard. Multi-speed free-wheel ring for bicycles. 4,828,537, 5-9-89, Cl. 474-160.000.
Jourjine, Alexander N. Microprocessor assemblies forming adaptive neural networks. 4,809,193, 2-28-89, Cl. 364-513.000.
Journomat AG.: *See—*
Schlumpf, Alois, 4,889,221, Cl. 194-345.000.
Jourquin, Lucien: *See—*
Verwilst, Jacques; and Jourquin, Lucien, 4,822,549, Cl. 264-250.000.
Jousson, Pierre J.: *See—*
Moret, Michel A.; and Jousson, Pierre J., 4,880,382, Cl. 433-118.000.
Jousson, Pierre-Jean, to Les Produits Associes LPA-Broxo S.A. Power driven flossing device. 4,830,032, 5-16-89, Cl. 132-323.000.
Joutras, Frank: *See—*
Joutras, Frank E., 4,869,492, Cl. 272-68.000.
Joutras, Frank E., to Joutras, Frank. Apparatus for exercising hands against constant force. 4,869,492, 9-26-89, Cl. 272-68.000.
Jouve, Daniel: *See—*
Fere, Guy; and Jouve, Daniel, 4,844,935, Cl. 426-549.000.
Jouve, Isabelle: *See—*
Besson, Bernard; Desmurs, Jean-Roger; and Jouve, Isabelle, 4,855,513, Cl. 568-779.000.
Desmurs, Jean-Roger; and Jouve, Isabelle, 4,827,047, Cl. 568-709.000.
Jouveinal S.A.: *See—*
Mitsukuchi, Morihiro; Ikemoto, Tomoyuki; Watanabe, Yoshiaki; and Sota, Kaoru, 4,861,765, Cl. 514-181.000.
Petibon, Guy, 4,816,490, Cl. 514-681.000.
Jouvet, Christophe: *See—*
Boivineau, Michel; Jouvet, Christophe; and Piuzzi, Francois, 4,849,983, Cl. 372-57.000.
Jovanovic, Dragomir. Rotary-spit steam cooking apparatus. 4,810,856, 3-7-89, Cl. 219-401.000.
Jovanovic, Milan M.: *See—*
Tabisz, Wojciech A.; Lee, Fred C.; and Jovanovic, Milan M., 4,860,184, Cl. 363-17.000.
Jove, Stephen A.; Klaassen, Klaas B.; Nomura, Calvin S.; and vanPeppen, Jacobus C. L., to International Business Machines Corporation. Protective circuit for a magnetoresistive element. 4,879,610, 11-7-89, Cl. 360-67.000.
Jow, Taiguang R.; and Shacklette, Lawrence W., to Allied-Signal Inc. Predoped conductive polymers as battery electrode materials. 4,804,594, 2-14-89, Cl. 429-194.000.
Jow, Taiguang R.: *See—*
Maxfield, MacRae; Jow, Taiguang R.; and Shacklette, Lawrence W., 4,814,242, Cl. 429-217.000.
Jowitt, Frederick W.; Harrison, Robert H.; and Noke, Adrian C., to Metal Box plc. Electro-coating apparatus and method. 4,883,578, 11-28-89, Cl. 204-300.0EC.
Jowsey, Clifford G., to ITW New Zealand Limited. Identification tag. 4,878,302, 11-7-89, Cl. 40-302.000.
JOX Corporation: *See—*
Sell, Charles, 4,810,560, Cl. 428-192.000.
Joy, Edward B., to Logimetrics, Inc. Boresight chamber assembly apparatus. 4,800,387, 1-24-89, Cl. 342-165.000.
Joy, George C., III; and Homeier, Edwin H., to Allied-Signal Inc. Catalyst for the reduction of the ignition temperature of diesel soot. 4,849,399, 7-18-89, Cl. 502-333.000.
Joy Insignia, Inc.: *See—*
Blumhof, Roy, 4,807,379, Cl. 40-653.000.
Joy Manufacturing Company: *See—*
Bodimer, Theodore B., 4,852,724, Cl. 198-861.200.
Joy, Mario G. Aircraft lift mechanism. 4,886,224, 12-12-89, Cl. 244-23.00R.
Joy, Stanley E., to Grow Gun Corporation. Technique for loosening, aerating and fertilizing soil plant roots. 4,807,545, 2-28-89, Cl. 111-7.100.
Joy Technologies Inc.: *See—*
Bodimer, Theodore B., 4,865,185, Cl. 198-861.200.
Hanlon, Ronald D.; and Dickey, Ronald K., 4,817,908, Cl. 248-564.000.
Thomas, Terry M.; and David, Joseph S., 4,828,339, Cl. 305-39.000.
Wechner, Edward, 4,813,530, Cl. 198-516.000.
Wechner, Edward, 4,828,327, Cl. 299-91.000.
Wechner, Edward, 4,856,384, Cl. 81-57.110.
Wechner, Edward, 4,865,184, Cl. 198-834.000.
Joy, Theodore J., to Sundstrand Corporation. Shut-off valve seal. 4,818,397, 4-4-89, Cl. 210-232.000.
Joy, Theodore J.; Mohile, Vivek V.; and Richards, William L., to Allied-Signal Inc. Low-noise pump assembly. 4,861,234, 8-29-89, Cl. 417-273.000.
Joyal Products, Inc.: *See—*
Riordan, Edward D.; and Warner, Allan, 4,849,596, Cl. 219-56.220.
Joyama, Norio, to Meiji Seika Kaisha, Ltd. Apparatus for cracking the husks of nuts. 4,819,331, 4-11-89, Cl. 30-120.200.
Joyama, Norio: *See—*
Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Oiso, Hisayoshi; Joyama, Norio; and Fujimoto, Kazuhiro, 4,857,354, Cl. 426-558.000.
Joyce, Allen T.: *See—*
Bradley, Billie J.; Giroux, Richard L.; and Joyce, Allen T., 4,875,524, Cl. 166-241.000.
Joyce, Bruce A.; and Dawson, Philip, to U.S. Philips Corporation. Method of manufacturing a heteroepitaxial compound semiconductor device using photo smoothing between layer growth. 4,843,0 6-27-89, Cl. 437-82.000.
Joyce, Daniel: *See—*
Calcagni, Loreto; and Joyce, Daniel, 4,794,704, Cl. 33-367.000.
Joyce, George A.: *See—*
Ayala, Jorge A.; Joyce, George A.; and Crabbe, David, 4,798,0 Cl. 524-386.000.
Joyce, James J.; and Khachatoorian, Armineh, to Becton, Dickinson and Company. Gas permeable bio-test pack. 4,863,867, 9-5-89, Cl. 435-287.000.
Joyce, Michael J., to United Technologies Corporation. Inner turbine seal. 4,820,119, 4-11-89, Cl. 415-172.00A.
Joyce, Peter; and Mackie, David M. Peroxide bleaching of mechanical pulps. 4,798,652, 1-17-89, Cl. 162-60.000.
Joyce, Richard J.: *See—*
Eck, Robert E.; and Joyce, Richard J., 4,885,534, Cl. 324-158.000.
Joyce, Richard P., to General Electric Company. Preparation of spirobiindane polyarylates, and spirobiindane polyarylate-polyethylene terephthalate copolymers, via melt polymerization. 4,853,457, 8-1-89, Cl. 528-190.000.
Joyce, Robert H.: *See—*
Hardy, Steven; and Joyce, Robert H., 4,803,641, Cl. 364-513.000.
Joyce, Robert S.: *See—*
Snyder, Warren E.; and Joyce, Robert S., 4,864,991, Cl. 123-344.000.
Joyce, Stephen A., to Advanced Robotic Technology, Inc. Absolute position controller. 4,814,553, 3-21-89, Cl. 178-18.000.
Joyce, Thomas F.; Nusinov, Eugene; and Brown, Richard P., to Honeywell Bull Inc. High speed high density dynamic address translator. 4,813,002, 3-14-89, Cl. 365-49.000.
Joyce, William H., to Union Carbide Corporation. Process for incorporating high molecular weight olefin based copolymers into a polymer matrix. 4,814,377, 3-21-89, Cl. 525-53.000.

Joye, John D.: *See—*
Chambers, John E.; and Joye, John D., 4,810,268, Cl. 55-84.000.
Joyner, Charles H., Jr.: *See—*
Desai, Andrew G.; Joyner, Charles H., Jr.; Weidman, Timothy W.; and Zilko, John L., 4,830,982, Cl. 437-094.000.
Joyner, Danny W., to Johnson & Johnson Patient Care, Inc. Surgical hand protector system. 4,873,998, 10-17-89, Cl. 128-879.000.
Joyner Engineers & Trainers, Inc.: *See—*
Joyner, Luther L., 4,797,670, Cl. 340-825.170.
Joyner, Jack S.; and Maushund, Ernie. Nursing bottle with microporous membrane. 4,865,207, 9-12-89, Cl. 215-11.500.
Joyner, Jeffrey K.: *See—*
Hoffman, Marcos; Joyner, Jeffrey K.; and Paulik, Jiri, 4,806,712, Cl. 200-61.620.
Joyner, Luther L., to Joyner Engineers & Trainers, Inc. Redundant signal selector system. 4,797,670, 1-10-89, Cl. 340-825.170.
Joynson, David W.: *See—*
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Jozat, Walter: *See—*
Anderka, Gerold; and Jozat, Walter, 4,863,168, Cl. 273-73.00D.
Jozewicz, Wojciech: *See—*
Rochelle, Gary T.; and Jozewicz, Wojciech, 4,804,521, Cl. 423-242.000.
JPI Plumbing Products, Inc.: *See—*
McAllister, George P., 4,862,527, Cl. 4-612.000.
JPS Marking ApS: *See—*
Linda, Karl G.; and Nielsen, Jan L., 4,869,726, Cl. 8-498.000.
Jreij, Elie A.: *See—*
Dang, Mieu-Hong; James, Nigel V.; Jreij, Elie A.; and Taborga, Jorge R., 4,847,893, Cl. 379-95.000.
JR3, Inc.: *See—*
Ramming, John E., 4,823,618, Cl. 73-862.040.
JSE Corporation: *See—*
Adachi, Takayuki; and Nakano, Nobuo, 4,806,172, Cl. 134-34.000.
Jseng, Liang-Chuan. Plug with adjustable pins. 4,886,469, 12-12-89, Cl. 439-265.000.
JSS Scientific Corporation: *See—*
Stupakis, John S., 4,843,250, Cl. 290-53.000.
Ju, Fred: *See—*
Kay, Robert E.; Chan, Hakchill; Ju, Fred; and Bray, Burton A., 4,846,926, Cl. 156-512.000.
Ju, Rong-Hauh: *See—*
Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Kong; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.
Ju, Shiaw: *See—*
Cozewith, Charles; Ju, Shiaw; and Verstrate, Gary W., 4,874,820, Cl. 525-240.000.
Cozewith, Charles; Ju, Shiaw; and Verstrate, Gary W., 4,882,406, Cl. 526-336.000.
Ju, Shyr-Te, to Boston University, Trustees of. Method for therapeutically treating abnormal cells expressing a major histocompatibility complex class II antigen using cytolytic inducer T4 cells. 4,861,589, 8-29-89, Cl. 424-93.000.
Juan, Alain; and Vuilleumier, Jean-Claude, to EM Microelectronic Marin SA. Method of manufacture of electronic modules for cards with microcircuits. 4,835,846, 6-6-89, Cl. 29-840.000.
Juan, Chung W. Apparatus for assisting in bowel evacuation. 4,809,370, 3-7-89, Cl. 4-661.000.
Juang, Dar-Chang: *See—*
Chen, Hsing; and Juang, Dar-Chang, 4,833,279, Cl. 178-18.000.
Juang, Yuan C. Securing means for a double step ladder. 4,854,420, 8-8-89, Cl. 182-166.000.
Juarez, Charles C.: *See—*
Dickey, Glen R.; Bosley, Alton M.; Weyrich, Robert H.; and Juarez, Charles C., 4,805,878, Cl. 254-134.30R.
Jubb, Albert; Ward, Robert G.; and Stansbury, Eric W., to Rolls-Royce plc. Heat exchanger. 4,869,317, 9-26-89, Cl. 165-166.000.
Jubert, Xavier; and Bonnin, Jean-Francois, to Bronzavia-Air Equipement. Nozzle and a device for the use of a nozzle of this type. 4,869,431, 9-26-89, Cl. 239-533.130.
Jucha, Rhett B.; Davis, Cecil J.; and Jones, John I., to Texas Instruments Incorporated. Method for plasma etching tungsten. 4,838,990, 6-13-89, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., to Texas Instruments Incorporated. Process for etch of tungsten. 4,842,676, 6-27-89, Cl. 156-643.000.
Jucha, Rhett B.; and Davis, Cecil J., to Texas Instruments Incorporated. Method for etching tungsten. 4,842,687, 6-27-89, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; Carter, Duane E.; Crank, Sue E.; and Jones, John I., to Texas Instruments Incorporated. Method for etching tungsten. 4,849,067, 7-18-89, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., to Texas Instruments Incorporated. Method for etching aluminum film doped with copper. 4,855,016, 8-8-89, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Crank, Sue E., to Texas Instruments Incorporated. Method for etching tungsten. 4,863,558, 9-5-89, Cl. 156-643.000.
Jucha, Rhett B.; Carter, Duane E.; Davis, Cecil J.; and Crank, Sue E., to Texas Instruments Incorporated. Selective etching of tungsten by remote and in situ plasma generation. 4,874,723, 10-17-89, Cl. 437-245.000.
Jucha, Rhett B.; Davis, Cecil J.; Tang, Tom; and Loewenstein, Lee M., to Texas Instruments Incorporated. Method for etching titanium nitride local interconnects. 4,878,994, 11-7-89, Cl. 156-643.000.
Jucha, Rhett B.: *See—*
Davis, Cecil J.; Matthews, Robert T.; Jucha, Rhett B.; and Loewenstein, Lee M., 4,820,377, Cl. 156-643.000.
Davis, Cecil J.; Loewenstein, Lee M.; Jucha, Rhett B.; Matthews, Robert T.; Hildenbrand, Randall C.; Freeman, Dean W.; and Jones, John I., 4,822,450, Cl. 156-643.000.
Davis, Cecil J.; Loewenstein, Lee M.; and Jucha, Rhett B., 4,828,649, Cl. 156-643.000.
Davis, Cecil J.; Loewenstein, Lee M.; Matthews, Robert T.; Jones, John I.; and Jucha, Rhett B., 4,842,686, Cl. 156-643.000.
Davis, Cecil J.; Carter, Duane E.; and Jucha, Rhett B., 4,849,068, Cl. 156-643.000.
Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Jucha, Rhett B.; Hildenbrand, Randall C.; and Jones, John I., 4,886,570, Cl. 156-643.000.
Loewenstein, Lee M.; Davis, Cecil J.; and Jucha, Rhett B., 4,867,841, Cl. 156-643.000.
Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; York, Rudy L.; Loewenstein, Lee M.; and Jucha, Rhett P., 4,838,984, Cl. 156-643.000.
Jud, Markus: *See—*
Boksberger, Hans U.; Jud, Markus; and Wettstein, Anton, 4,811,032, Cl. 343-876.000.
Jud, Wilfried, to Folienwalzwerk Brueder Teich Aktiengesellschaft. Package with a gas-tight package envelope. 4,811,848, 3-14-89, Cl. 206-610.000.
Jud, Wilfried, to Folienwalzwerk Bruder Teich AG. Pack for packaging a material in the form of pieces. 4,826,011, 5-2-89, Cl. 206-484.000.
Juda, Robert H.; Chakrabarti, Paritosh M.; and Crawford, Roger A., to PPG Industries, Inc. Halophor composition. 4,844,899, 7-4-89, Cl. 424-664.000.
Juda, Robert H.: *See—*
Chakrabarti, Paritosh M.; Crawford, Roger A.; and Juda, Robert H., 4,818,532, Cl. 424-150.000.
Judas, Didier: *See—*
Cuzin, Daniel; and Judas, Didier, 4,839,441, Cl. 528-328.000.
Cuzin, Daniel; and Judas, Didier, 4,864,014, Cl. 528-279.000.
Judat, Helmut: *See—*
Zaby, Gottfried; Judat, Helmut; Humburger, Siegbert; de Vos, Stefaan; and Eckermann, Rolf W., 4,851,570, Cl. 560-347.000.
Judco Manufacturing Company: *See—*
Valenzona, Joseph; and Smith, Robert J., 4,816,626, Cl. 200-16.00F.
Judd, Duncan B.: *See—*
Collington, Eric W.; Finch, Harry; and Judd, Duncan B., 4,824,993, Cl. 560-053.000.
Collington, Eric W.; Finch, Harry; Judd, Duncan B.; Johnson, Malcolm; and Strong, Peter, 4,847,255, Cl. 514-212.000.
Collington, Eric W.; Finch, Harry; Judd, Duncan B.; and Meadows, James D., 4,847,369, Cl. 536-46.000.
Collington, Eric W.; Finch, Harry; Judd, Duncan B.; and Meadows, James D., 4,847,370, Cl. 536-103.000.
Collington, Eric W.; Finch, Harry; and Judd, Duncan B., 4,855,293, Cl. 514-212.000.
Judd, James A. Baseball batting practice device. 4,867,448, 9-19-89, Cl. 273-26.00E.
Judd, Thomas H.; and Smoot, Lanny S., to Bell Communications Research, Inc. Teleconference facility with high resolution video display. 4,890,314, 12-26-89, Cl. 379-53.000.
Judd, Thomas W., to Curtis Manufacturing Company, Inc. Lap top computer work station. 4,852,498, 8-1-89, Cl. 108-43.000.
Jude, Daniel; and Stull, James T., to Dujardin Montbard Somenor. Roll mounting device with a cooled bearing. 4,883,369, 11-28-89, Cl. 384-476.000.
Judell, Neil H.: *See—*
Abbe, Robert C.; Judell, Neil H.; and Poduje, Noel S., 4,849,916, Cl. 364-563.000.
Abbe, Robert C.; Poduje, Noel S.; and Judell, Neil H., 4,860,229, Cl. 364-563.000.
Judge, Gregory R., to Figgie International Inc. Zero pressure accumulating conveyor control. 4,817,784, 4-4-89, Cl. 198-781.000.
Judge, John L., to Magni Systems, Inc. Multi-standard vectorscope. 4,875,089, 10-17-89, Cl. 358-10.000.
Judge, John L., to Magni Systems, Inc. Color video signal phase detector. 4,881,121, 11-14-89, Cl. 358-10.000.
Judge, Joseph. Toothbrush holder for stand-up toothpaste dispensers. 4,817,826, 4-4-89, Cl. 222-192.000.
Judge, Ronald J., to Du Pont de Nemours, E. I., and Company. Spinning pack design. 4,842,503, 6-27-89, Cl. 425-72.200.
Judice, Darryl E.: *See—*
Heath, Chester A.; Jackson, Kevin M.; Judice, Darryl E.; and Pestonji, Hoshang R., 4,890,219, Cl. 364-200.000.
Judin, Gennady J.: *See—*
Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.
Judkins, Brian D.: *See—*
Barrett, Roger; Meerholz, Clive A.; and Judkins, Brian D., 4,835,278, Cl. 546-239.000.
Judkins, Ren, to BW-USA, Inc. Spacer devices. 4,880,044, 11-14-89, Cl. 160-84.100.

- Judkovics, Monroe: *See—*
  - Agnew, Palmer W.; Clayton, Neil H.; Judkovics, Monroe; Rivero, Jose L.; and Sun, Kuo-Chang, 4,884,218, Cl. 364-513.000.
- Juds, Mark A.; and Beihoff, Bruce C., to Eaton Corporation. Multiturn shaft position sensor having magnet movable with nonrotating linear moving nut. 4,841,246, 6-20-89, Cl. 324-208.000.
- Juds, Mark A.: *See—*
  - Hastings, Jerome K.; Beihoff, Bruce C.; Baran, Michael S.; Juds, Mark A.; and Hansen, James E., 4,841,235, Cl. 324-117.00R.
  - Hastings, Jerome K.; Beihoff, Bruce C.; and Juds, Mark A., 4,857,841, Cl. 324-208.000.
- Juds, Scott M.; and Jackson, Robert J., to Opcon, Inc. Photoelectric compressed analog signal strength indicator. 4,851,660, 7-25-89, Cl. 250-214.00H.
- Judson, Edward G. Balopod (hybrid flying machine). 4,838,501, 6-13-89, Cl. 244-29.000.
- Judy, Millard M.; Matthews, James L.; Newman, Joseph T.; and Sogandares-Bernal, Franklin, to Baylor Research Foundation. Method for eradicating infectious biological contaminants in body tissues. 4,878,891, 11-7-89, Cl. 604-5.000.
- Jue, Catherine, executrix: *See—*
  - Leib, Kenneth G.; and Jue, Suey L., deceased, 4,802,718, Cl. 350-3.600.
- Jue, Suey L., deceased: *See—*
  - Leib, Kenneth G.; and Jue, Suey L., deceased, 4,802,718, Cl. 350-3.600.
- Juedes, Dennis L.: *See—*
  - Davis, Lester W., Jr.; Geosits, John P.; Juedes, Dennis L.; and Kiczek, Edward F., 4,859,173, Cl. 431-175.000.
- Juel, Anders; and Omdal, Bjarne, to Norsk Hydro a.s. Flexible container to be filled with bulk material and method for its manufacture. 4,832,506, 5-23-89, Cl. 383-17.000.
- Juelich, Richard J.: *See—*
  - Regan, James B.; Ikovich, George J.; Carlsen, James A.; Juelich, Richard J.; and Kogel, Henry G., 4,878,452, Cl. 114-293.000.
- Jueneman, Frederic B.: *See—*
  - Hall, Richard E.; Zeh, Peter H.; and Jueneman, Frederic B., 4,804,526, Cl. 423-321.00R.
- Juengel, Richard O., to GTE Valeron Corporation. Industrial identification transponder. 4,843,640, 6-27-89, Cl. 455-604.000.
- Juenger, Bruce H.: *See—*
  - DeGree, David C.; Fick, Herbert J.; and Juenger, Bruce H., 4,810,563, Cl. 428-209.000.
- Juenke, Manfred: *See—*
  - Schweer, Reiner; Juenke, Manfred; and Sieben, Ulrich K., 4,858,007, Cl. 358-147.000.
- Juenkersfeld, Harald; and Fischer, Georg, to Benz & Hilgers GmbH. Arrangement for dosingly filling of fluid or pasty material into containers. 4,860,926, 8-29-89, Cl. 222-148.000.
- Juergen Dethloff: *See—*
  - Dethloff, Juergen; and Hinneberg, Christian, 4,833,607, Cl. 364-401.000.
  - Dethloff, Juergen; and Hinneberg, Christian, 4,837,422, Cl. 235-380.000.
- Juergens, Gunter: *See—*
  - Kuerschner, Michael; Juergens, Gunter; and Greiner, Albrecht, 4,811,224, Cl. 364-424.100.
- Juergens, Hans, to Siemens Aktiengesellschaft. Mobile X-ray examination unit. 4,802,197, 1-31-89, Cl. 378-197.000.
- Juery, Gerard: *See—*
  - Bachand, George M.; Vignaud, Jean-Claude; and Juery, Gerard, 4,869,119, Cl. 73-866.500.
- Juffa, Richard: *See—*
  - Walter, Peter; and Juffa, Richard, 4,813,287, Cl. 73-835.000.
- Jufuku, Yasunobu: *See—*
  - Okuwaki, Shigeru; Ohkawa, Susumu; Jufuku, Yasunobu; and Tatara, Yuudai, 4,795,409, Cl. 474-245.000.
- Jugel, Alfred: *See—*
  - Schmidt, Lothar; and Jugel, Alfred, 4,873,694, Cl. 370-58.100.
- Jugle, Don B.: *See—*
  - Hoffend, Thomas R.; and Jugle, Don B., 4,883,736, Cl. 430-110.000.
  - Manca, Richard D.; Hoffend, Thomas R.; and Jugle, Don B., 4,837,105, Cl. 430-126.000.
- Jugo-Import-Export-Anstalt: *See—*
  - Heinzle, Otto, 4,874,150, Cl. 249-18.000.
- Jugs, Andrejs: *See—*
  - Brandao, Ruy L.; Kyriakos, Constantinos S.; Spires, Randall C.; and Jugs, Andrejs, 4,855,748, Cl. 342-455.000.
- Juha, Mike: *See—*
  - Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.
- Juhasz, Imre: *See—*
  - Tari, Gabor; Bado, Zoltan; and Juhasz, Imre, 4,878,918, Cl. 623-22.000.
- Juhasz, Laszlo. Wound dressings with electrically conductive layers. 4,817,594, 4-4-89, Cl. 128-155.000.
- Juhlin, Sven-Eric: *See—*
  - Bergkvist, Hakan; Juhlin, Sven-Eric; Winbad, Bengt; and Norberg, Astrid, 4,880,409, Cl. 604-73.000.
- Juhlke, Timothy J.; Bierschenk, Thomas R.; and Lagow, Richard J., to Exfluor Research Corporation. Perfluoropolyether solid fillers for lubricants. 4,803,005, 2-7-89, Cl. 252-58.000.
- Juhlke, Timothy J.: *See—*
  - Bierschenk, Thomas R.; Juhlke, Timothy J.; and Lagow, Richard J., 4,859,747, Cl. 525-409.000.
  - Lagow, Richard J.; Bierschenk, Thomas R.; and Juhlke, Timothy J., 4,827,042, Cl. 568-603.000.
- Juhnke, Klaus G. H.: *See—*
  - Harlos, Hartmut; Juhnke, Klaus G. H.; and Kelting, Peter, 4,805,021, Cl. 358-160.000.
- Juhuku, Hiroki, to Hakushin Kogyo Co., Ltd. Refuse compaction unit having interdigitating rotor and stator blades. 4,829,895, 5-16-89, Cl. 100-126.000.
- Jui-Chi, Ho; and Shun-chih, Wu. Dishwasher. 4,807,654, 2-28-89, Cl. 134-179.000.
- Juice Tree, Inc.: *See—*
  - Raub, John R.; and Breton, Roger J., 4,834,795, Cl. 99-486.000.
- Juillerat, Denis, to Meseltron S.A. Contact sensor for calipering pieces such as workpieces. 4,879,916, 11-14-89, Cl. 73-865.800.
- Juillerat, Pierre: *See—*
  - Geiser, Markus; and Juillerat, Pierre, 4,889,024, Cl. 82-127.000.
- Juillet, Hubert. Fluid metering and dispensing device. 4,844,301, 7-4-89, Cl. 222-509.000.
- Jujo Paper Co., Ltd.: *See—*
  - Fujiwara, Hideki, 4,831,264, Cl. 250-372.000.
  - Hayashida, Mitsuharu; Sasaki, Kazuo; Yasui, Nobuaki; and Takahashi, Eiji, 4,801,037, Cl. 220-259.000.
  - Kojima, Yutaka; and Omori, Takashi, 4,830,911, Cl. 428-342.000.
  - Murakami, Koji; Nakatsubo, Fumiaki; Katsura, Yoshiaki; and Matukura, Motoo, 4,889,927, Cl. 536-18.600.
  - Muramatsu, Mitsuru; and Tominaga, Ryuichiro, 4,840,0[illegible], Cl. 53-381.00R.
  - Muramatsu, Mitsuru; and Tominaga, Ryuichiro, 4,867,342, Cl. 221-11.000.
  - Nagata, Kiichiro, 4,819,861, Cl. 229-16.00R.
  - Nishiguchi, Youichi; and Sasaki, Kazuo, 4,869,047, Cl. 53-432.000.
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,849,396, Cl. 503-210.000.
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,853,361, Cl. 503-201.000.
  - Satake, Toshimi; Fukuchi, Tadakazu; Minami, Toshiaki; Nagai, Tomoaki; Kaneko, Toshio; and Fujimura, Fumio, 4,853,362, Cl. 503-209.000.
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,853,363, Cl. 503-210.000.
  - Satake, Toshimi; Nagai, Tomoaki; and Fujimura, Fumio, 4,861,7[illegible], Cl. 503-211.000.
  - Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,868,151, Cl. 503-209.000.
  - Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,806,521, Cl. 503-216.000.
  - Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,833,119, Cl. 503-210.000.
  - Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,134, Cl. 503-210.000.
  - Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,135, Cl. 503-210.000.
- Juki Corporation: *See—*
  - Asao, Hideo; Yamazi, Satoru; and Saibe, Seiichi, 4,854,252, Cl. 112-265.100.
  - Asao, Hideo; Yamazi, Satoru; and Saibe, Seiichi, 4,884,517, Cl. 112-112.000.
  - Hiramatsu, Tohru, 4,883,008, Cl. 112-262.100.
  - Hiramatsu, Tooru; Tami, Kazuya; and Tobita, Shigeru, 4,803,9[illegible], Cl. 112-265.200.
  - Hiramatsu, Tooru; and Tobita, Shigeru, 4,843,984, Cl. 112-114.000.
  - Hiramatsu, Tooru; and Tobita, Shigeru, 4,843,985, Cl. 112-147.000.
  - Ishihara, Yoshihiro, 4,860,677, Cl. 112-318.000.
  - Kozuka, Tadashi; Ozaku, Minoru; Yamamoto, Yuji; and Ando, Yoichi, 4,843,986, Cl. 112-163.000.
  - Noguchi, Minetoshi; Goto, Somio; Nemoto, Masakazu; and Ishishi, Jiro, 4,794,875, Cl. 112-315.000.
  - Nukushina, Masanori, 4,796,551, Cl. 112-266.100.
  - Taguchi, Katsuhiko, 4,868,007, Cl. 427-96.000.
  - Taguchi, Katsuhiko; and Mitsumori, Kazuya, 4,873,[illegible], Cl. 360-99.050.
- Julemont, Michel; Zocchi, Germaine; Mineo, Nunzio; and Franz, Pierre, to Colgate-Palmolive Company. Built thickened stable all-aqueous cleaning composition and method of use, and package therefor. 4,846,992, 7-11-89, Cl. 252-90.000.
- Julemont, Michel: *See—*
  - Cao, Hoai-Chau; Houben, Marie-Christine; and Julemont, Michel, 4,828,723, Cl. 252-8.800.
  - Demangeon, Yvon; Julemont, Michel; and Fraikin, Marie-Helene, 4,851,141, Cl. 252-8.750.
- Julia, Enric: *See—*
  - Ramallo, Tomas A.; Puchal, Francisco M.; Pinol, Juan C.; and Julia, Enric, 4,820,739, Cl. 514-763.000.
- Julian, Joseph. Strip decoiler. 4,848,694, 7-18-89, Cl. 242-78.600.
- Julian, Randall K., to Sunbeam Plastics Corporation. Tamper indicating container and closure. 4,884,706, 12-5-89, Cl. 215-252.000.
- Julian, Scott C.; and Cetinkaya, Ismail B., to UOP. Air distributor device. 4,859,430, 8-22-89, Cl. 422-310.000.
- Julian, Thomas N.; and Radebaugh, Galen W., to McNeil Consumer Products Company. Chewable medicament tablet containing means for taste masking. 4,851,226, 7-25-89, Cl. 424-441.000.
- Julian, Thomas N.: *See—*
  - Radebaugh, Galen W.; Glinecke, Robert; and Julian, Thomas N., 4,806,359, Cl. 424-470.000.
- Juliana, Anthony; Leung, Wai C.; Pan, Victor T.; Rosen, Hal J.; and Strand, Timothy C., to International Business Machines Corporation. Method and apparatus for optically measuring characteristics of a thin film by directing a P-polarized beam through an integrating sphere at the brewster's angle of the film. 4,873,430, 10-10-89, Cl. 250-225.000.

- Juliano, Rudolph L.: *See—*
  - Lopez-Berestein, Gabriel; Mehta, Reeta; Hopfer, Roy L.; and Juliano, Rudolph L., 4,812,312, Cl. 424-417.000.
- Juliber, Curtis B.: *See—*
  - Pray, Robert H.; Ramler, Donald W.; and Juliber, Curtis B., 4,885,694, Cl. 364-464.010.
- Julien, Edmond: *See—*
  - Aurelle, Yves; Bernasconi, Christian; Besombes-Vailhe, Jean; Julien, Edmond; and Roques, Henri, 4,889,537, Cl. 44-53.000.
- Julien, Gerald J.; and Robinson, Steven P., to Boeing Company, The. Method and apparatus for sensing and damping vibration. 4,878,565, 11-7-89, Cl. 188-378.000.
- Julien, Michel, to Institut Textile de France. Method and apparatus for automatically matching two corners of pieces of fabric, and inserting them into a sewing machine. 4,825,788, 5-2-89, Cl. 112-262.300.
- Julien, Normand; and Proulx, Clement. Supporting device for wheelchairs. 4,846,527, 7-11-89, Cl. 297-411.000.
- Julien, Oliver M.: *See—*
  - Jajko, Robert A.; and Julien, Oliver M., 4,807,327, Cl. 15-346.000.
- Julien, Paul C.: *See—*
  - Connors, Edward W.; Julien, Paul C.; and Martin, Robert G., 4,794,878, Cl. 118-653.000.
  - Gruber, Robert J.; Yourd, Raymond A., III; Julien, Paul C.; Knapp, John F.; and Bolte, Steven B., 4,879,199, Cl. 430-137.000.
  - Ziolo, Ronald F.; and Julien, Paul C., 4,810,611, Cl. 430-106.600.
- Julien, Regis; and Antonio, Monique, to Julien, Regis; and Antonio, Monique. Electric cable primarily for welding equipment and welding device including the same. 4,853,516, 8-1-89, Cl. 219-137.900.
- Julik, Michael J.: *See—*
  - Pai, Deepak K.; Julik, Michael J.; and Fluhrer, Robert W., 4,827,611, Cl. 29-843.000.
- Julis, Jeffrey E.; and Mercado, Malinda S., to Bisco Products Inc. Rigid fire block sheet and method. 4,865,907, 9-12-89, Cl. 428-241.000.
- Julis, Jeffrey E.: *See—*
  - Anderson, James S.; Hoffman, Kenneth A.; Julis, Jeffrey E.; and Mercado, Malinda, 4,822,659, Cl. 428-99.000.
- Julius & August Erbsloh GmbH & Co.: *See—*
  - Groach, Karl, 4,838,006, Cl. 52-790.000.
- Julius Blum Gesellschaft m.b.H.: *See—*
  - Hollenstein, Helmut, 4,875,747, Cl. 312-330.100.
  - Rapp, Reinhold, 4,832,423, Cl. 312-341.0NR.
  - Rock, Erich; Brustle, Klaus; and Rupprechter, Helmut, 4,800,621, Cl. 16-235.000.
  - Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, 4,800,622, Cl. 16-240.000.
  - Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,802,716, Cl. 312-330.00R.
  - Rock, Erich; and Rupprechter, Helmut, 4,803,749, Cl. 16-237.000.
  - Rock, Erich; Brunner, Josef; and Hollenstein, Helmut, 4,804,239, Cl. 312-265.000.
  - Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,815,796, Cl. 312-263.000.
  - Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, 4,815,798, Cl. 312-330.00R.
  - Rock, Erich; and Brustle, Klaus, 4,832,420, Cl. 312-263.000.
  - Rock, Erich; and Hollenstein, Helmut, 4,840,512, Cl. 403-22.000.
  - Rock, Erich; and Hollenstein, Helmut, 4,842,351, Cl. 312-263.000.
  - Rock, Erich; and Brustle, Klaus, 4,846,538, Cl. 312-263.000.
  - Rock, Erich; and Brunner, Josef, 4,848,860, Cl. 312-341.100.
  - Rock, Erich; Brustle, Klaus; and Rupprechter, Helmut, 4,850,080, Cl. 16-236.000.
  - Rock, Erich; and Brustle, Klaus, 4,850,659, Cl. 312-263.000.
  - Rock, Erich; and Brunner, Josef, 4,872,735, Cl. 312-342.000.
  - Rock, Erich; and Brustle, Klaus, 4,874,212, Cl. 312-330.100.
  - Rock, Erich; and Brustle, Klaus, 4,875,746, Cl. 312-330.100.
  - Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, 4,882,808, Cl. 16-240.000.
  - Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, 4,888,853, Cl. 16-240.000.
- Julius, Edmund, to AMEPA Angewandte Messtechnik und Prozessautomatisierung GmbH. Device for detecting slag flowing with molten metal through an outlet opening in a metallurgical vessel. 4,887,798, 12-19-89, Cl. 266-99.000.
- Julius, Edmund: *See—*
  - Theissen, Wolfgang; Julius, Edmund; and Block, Franz R., 4,816,758, Cl. 324-204.000.
- Julius, Richard F., to S. J. Industries, Inc. Container cleaning apparatus. 4,836,228, 6-6-89, Cl. 134-72.000.
- Julke, Elias: *See—*
  - Beer, Hans-Rudolf; Britsch, Helmut; Julke, Elias; and Kaiser, Tony, 4,818,319, Cl. 156-192.000.
- Jullien, Claude; Lerude, Gerard; and Llabres, Raymond, to La Telemecanique Electrique. Screw connection device for electric conductors. 4,820,206, 4-11-89, Cl. 439-782.000.
- Jullien, Isabelle: *See—*
  - Beranger, Serge; Pascal, J. Claude; Pinhas, Henri; and Jullien, Isabelle, 4,810,706, Cl. 514-265.000.
- Jullien, Marie-Jacques, to Ruggieri. Connecting device between a firing fuse of a pyrotechnic product and an igniter. 4,825,764, 5-2-89, Cl. 102-202.140.
- Julstrom, Stephen D.; and Gilbert, Mark W., to Shure Brothers Inc. Delta modulation encoding/decoding circuitry. 4,811,019, 3-7-89, Cl. 341-143.000.
- Juman, Shinji: *See—*
  - Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,796,208, Cl. 364-559.000.
  - Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,887,215, Cl. 364-431.040.
- Jumberca, S.A.: *See—*
  - Guell, Jose M. D., 4,819,456, Cl. 66-135.000.
  - Guell, Jose M. D., 4,860,557, Cl. 66-14.000.
- Jumeau, Elizabeth J.: *See—*
  - Hall, Keith; Freedman, Philip A.; Jumeau, Elizabeth J.; Guilluy, Roger; and Pachiaudi, Christiane, 4,866,270, Cl. 250-282.000.
- Jumel, Bernard; and Pileur, Charles, to Yves Saint Laurent Parfumes. Casing with invisible hinge. 4,880,139, 11-14-89, Cl. 220-337.000.
- Jumel, Bernard: *See—*
  - Focqueur, Herve; Jumel, Bernard; and Blard, Michel, 4,828,533, Cl. 464-24.000.
- Jun, Dong-Soo, to Samsung Semiconductor & Telecommunications Co., Ltd. Sense amplifier for high performance dram. 4,855,628, 8-8-89, Cl. 307-530.000.
- Jun, Soo-Sung, to Samsung Electronics Co. Ltd. Control circuit for double deck cassette tape recorder. 4,847,706, 7-11-89, Cl. 360-61.000.
- Junash, Viktor M.: *See—*
  - Bozhko, Valery P.; Yatsenko, Sergei V.; Strizhenko, Vitaly E.; Losev, Alexei V.; Pleshkov, Viktor I.; and Junash, Viktor M., 4,796,867, Cl. 266-51.000.
- Junckers Industrier A/S: *See—*
  - Kristoffersen, Kaj, 4,854,099, Cl. 52-403.000.
- Juncosa Lopez, Jose. Speed gearboxes. 4,841,791, 6-27-89, Cl. 74-190.000.
- Juncosa, Robert D., to American Mediscan, Inc. Apparatus and method for in vitro detection of abnormal tissues. 4,862,092, 8-29-89, Cl. 324-450.000.
- Jundt, Werner; Krempel, Harald; and Moz, Rudolf, to Robert Bosch GmbH. Method for compensating for a tank venting error in an adaptive learning system for metering fuel and apparatus therefor. 4,831,992, 5-23-89, Cl. 123-520.000.
- Jundt, Werner: *See—*
  - Hemminger, Hermann; Joos, Eugen; Jundt, Werner; and Werner, Peter, 4,888,697, Cl. 364-431.110.
- June, George: *See—*
  - Pierce, William W.; June, George; Meadows, James M.; and Cheek, Albert G., 4,797,291, Cl. 426-63.000.
- Juneau, Paul A.: *See—*
  - Modafferi, Mario; and Juneau, Paul A., 4,836,750, Cl. 416-244.00A.
- Juneau, Pierre. Sectional-type door. 4,854,365, 8-8-89, Cl. 160-232.000.
- Juneja, Prem S., to Procter & Gamble Company, The. Processes for purification of quaternary cationic surfactant materials and cosmetic compositions containing same. 4,824,602, 4-25-89, Cl. 252-547.000.
- Juneja, Prem S.: *See—*
  - Inman, Everett; Roberts, Nancy J.; and Juneja, Prem S., 4,854,333, Cl. 132-209.000.
- Jung, Dae Y.: *See—*
  - Clarke, Thomas C.; Kovac, Caroline A.; Jung, Dae Y.; Park, Jae M.; and Thomas, Richard R., 4,869,930, Cl. 427-25[illegible].000.
- Jung, Dieter: *See—*
  - Pioch, Lothar; Jung, Dieter; Jacobs, Jochen; and Wilms, Elmar, 4,834,902, Cl. 252-135.000.
  - Wilms, Elman; Jung, Dieter; Linsenbold, Herbert; Pioch, Lothar; and Wichelhaus, Winfried, 4,861,510, Cl. 252-174.130.
- Jung, Erich: *See—*
  - Weiss, Eberhard; Stahl, Manfred; Domann, Helmut; Jung, Erich; and Maurer, Franz, 4,805,105, Cl. 364-424.0[illegible]0.
- Jung, Folker, to Jung GmbH. Identity card. 4,804,827, 2-14-89, Cl. 235-488.000.
- Jung, Frederic H., to ICI Pharma. Cephalosporin derivatives. 4,855,420, 8-8-89, Cl. 540-222.000.
- Jung, Frederic H., to ICI Pharma. Cephalosporin derivatives. 4,868,173, 9-19-89, Cl. 514-202.000.
- Jung, Gerard; and Mugnier, Jacques, to Rhone-Poulenc, S.A. Low-water-activity inocula for biological control. 4,886,664, 12-12-89, Cl. 424-93.000.
- Jung, Gerard: *See—*
  - Deschamps, Maurice; Floc'h, Francois; Jung, Gerard; and Margraff, Rodolphe, 4,810,692, Cl. 514-11.000.
- Jung, Gerhard, to Finnigan MAT GmbH. Method of operating a mass spectrometer and a mass spectrometer for carrying out the method. 4,808,818, 2-28-89, Cl. 250-282.000.
- Jung GmbH: *See—*
  - Jung, Folker, 4,804,827, Cl. 235-488.000.
- Jung, Guenter, to Diamalt Aktiengesellschaft. Novel somatostatin derivatives. 4,837,303, 6-6-89, Cl. 530-311.000.
- Jung, Guenter: *See—*
  - Pawlowski, Georg; Mohr, Dieter; and Jung, Guenter, 4,828,959, Cl. 430-175.000.
- Jung, Gunter: *See—*
  - Ullrich, Lothar; Jung, Gunter; Burger, Diethard; Alschweig, Hans-Gunther; Schonborn, Hartmut; and Heinzel, Winfried, 4,862,609, Cl. 38-93.000.
- Jung, Hae-Ryong. Rainbow light box. 4,864,475, 9-5-89, Cl. 362-231.000.
- Jung, Hyun J.: *See—*
  - Becker, E. Robert; and Jung, Hyun J., 4,798,817, Cl. 502-217.000.

Jung, Il Nam; Hwang, Sang Yo; and Lee, Chung Suk, to Korea Advanced Institute of Science and Technology. Antifreeze corrosion inhibitor composition for aluminum engines and radiators. 4,873,011, 10-10-89, Cl. 252-75.000.
Jung, Johann: *See—*
  Jahn, Dieter; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Jung, Johann; and Rademacher, Wilhelm, 4,812,160, Cl. 71-88.000.
  Kast, Juergen; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno, Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,842,638, Cl. 71-88.000.
  Keil, Michael; Schirmer, Ulrich; Kolassa, Dieter; Kast, Juergen; Rademacher, Wilhelm; and Jung, Johann, 4,820,331, Cl. 71-88.000.
  Keil, Michael; Spiegler, Wolfgang; Jahn, Dieter; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,867,784, Cl. 71-98.000.
  Rentzea, Costin; Sauter, Hubert; Tuerk, Wolfgang; Wenderoth, Bernd; Richarz, Winfried; Jung, Johann; and Rademacher, Wilhelm, 4,822,400, Cl. 71-76.000.
  Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, 4,857,103, Cl. 71-94 000.
  Von Maessenhausen, Walter; Czikkely, Vilmos; and Jung, Johann, 4,883,530, Cl. 71-36.000.
Jung, Karl-Heinz: *See—*
  Thoese, Klaus; and Jung, Karl-Heinz, 4,876,155, Cl. 428-480.000.
Jung, Lothar, to Quartz Technology, Inc. Modified close fraction batch process for purification of SiO_2. 4,818,510, 4-4-89, Cl. 423-335.000.
Jung, Lothar. Combination roll-type magnetic and electrostatic separator and method. 4,882,043, 11-21-89, Cl. 209-212.000.
Jung, Michel: *See—*
  Bey, Philippe; and Jung, Michel, 4,866,206, Cl. 562-561.000.
Jung, Peter: *See—*
  Esser, Wolfgang; and Jung, Peter, 4,878,009, Cl. 323-275.000.
  Esser, Wolfgang; and Jung, Peter, 4,890,095, Cl. 340-657.000.
Jung, Rainer: *See—*
  Hutter, Odo; Jung, Rainer; Kurz, Werner; Sperr, Gerhardt; and Voss, Jurgen, 4,844,240, Cl. 198-391.000.
Jung, Richard H.; and Logsdon, Philip R., to Motorola, Inc. Tab-type semiconductor process. 4,812,421, 3-14-89, Cl. 437-211.000.
Jung, Roger E.: *See—*
  George, Edward K.; Jung, Roger E.; and Mills, Brian P., 4,818,054, Cl. 350-96.200.
Jung, Rolf; and Schweitzer, Walter, to Krauss u. Reichert GmbH & Co. KG Spezialmaschinenfabrik. Cutting machine for flat material such as cloth, sheet material and the like. 4,803,781, 2-14-89, Cl. 30-275.000.
Jung, Rolf; Buss, Albert; and Buchmann, Winfried, to Krauss u. Reichert GmbH & Co. KG Spezialmaschinenfabrik. Method for minimizing material utilization during spreading of a material web. 4,874,157, 10-17-89, Cl. 270-30.000.
Jung, Rolf R.: *See—*
  Pinto, Akiva; Lucasse, Guenter; Jung, Rolf R.; and Bocht, Bernhard, 4,858,278, Cl. 19-200.000.
Jung, Sakun J. Emergency air supply device. 4,802,472, 2-7-89, Cl. 128-204.180.
Jung, Sang H.; and Kim, Seung K., to Lucky, Ltd. Process for the preparation of pyrethroid type ester compounds. 4,874,887, 10-17-89, Cl. 560-124.000.
Jung, Se-Young; and Moon, Tea-Weon, to Samsung Electronics Co., Ltd. Power feeding and input signal switching control system for video tape recorder combined with television receiver and camera in a body. 4,862,290, 8-29-89, Cl. 358-335.000.
Jung, Tae S.: *See—*
  Kim, Byung Y.; Jung, Tae S.; and Hwang, Sang K., 4,852,064, Cl. 365-203.000.
Jung, Tae-Sung: *See—*
  Kim, Byung-Youn; Park, Yong-Bo; and Jung, Tae-Sung, 4,890,051, Cl. 323-313.000.
Jung, Werner; and Sievers, Axel, to BASF Lacke & Farben Akt. Soluble acrylate copolymer containing carboxyl groups, processes for its preparation and coating agents based on the acrylate copolymer. 4,839,448, 6-13-89, Cl. 526-262.000.
Jung, Werner; Klesse, Christoph; and Sievers, Axel. Hydroxylic acrylate copolymer process for its preparation, and coating agent based on the acrylate. 4,880,889, 11-14-89, Cl. 526-323.000.
Jung, Werner; and Sievers, Axel, to BASF Lacke & Farben AG. Soluble acrylate copolymer containing carboxyl groups, processes for its preparation and coating agents based on the acrylate copolymer. 4,883,838, 11-28-89, Cl. 525-119.000.
Jungbluth, Werner W.: *See—*
  Neubauer, Rudolf F. W.; Jungbluth, Werner W.; and Laschinski, Dieter H., 4,853,938, Cl. 372-65.000.
Junge, Bodo; Richter, Bernd; Glaser, Thomas; Traber, Jorg; and Allen, George S., to Bayer Aktiengesellschaft. 8-Substituted 2-aminotetralins. 4,873,262, 10-10-89, Cl. 514-510.000.
Junge, Bodo: *See—*
  Niewohner, Ulrich; Hoever, Franz-Peter; Junge, Bodo; Perzborn, Elisabeth; Seuter, Friedel; and Fiedler, Volker-Bernd, 4,868,331, Cl. 562-427.000.
Junge Control, Inc.: *See—*
  Neal, Michael G.; and Junge, David, 4,863,277, Cl. 366-137.000.
Junge, David: *See—*
  Neal, Michael G.; and Junge, David, 4,863,277, Cl. 366-137.000.
Junge, Steve A.; and Deutsch, Timothy A., to Deere & Company. Support arrangement for cotton harvester row units. 4,803,830, 2-14-89, Cl. 56-28.000.
Junge, Steve A.; and Sanderson, Leon F., to Deere & Company. Height control system with multiple control valves. 4,809,487, 3-7-89, Cl. 56-10.200.
Jungels, Erwin; Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, to Sotralentz S.A. Transport and/or storage container, particularly for a fluid and/or a fine grained loose material. 4,795,057, 1-3-89, Cl. 220-401.000.
Junger, Dieter: *See—*
  Fehlmann, Wolfgang; Hofer, Gerald; Junger, Dieter; Karle, Anton; and Laufer, Helmut, 4,873,956, Cl. 123-357.000.
Junger, Martin: *See—*
  Lierke, Ernst-Gunter; Grossbach, Rudolf; Heide, Wolfgang; Flogel, Karl; and Junger, Martin, 4,798,332, Cl. 239-102.200.
Jungerman, John A.; Peck, Neal F.; Hines, Horace H.; and Lagunas-Solar, Manuel, to University of California, The Regents of the. Continuous flow radioactive production. 4,818,468, 4-4-89, Cl. 376-195.000.
Jungerman, Roger L.: *See—*
  Nazarathy, Moshe; Dolfi, David W.; and Jungerman, Roger L., 4,843,350, Cl. 332-7.510.
Jungermann, Eric; and Scott, Richard A., to Neutrogena Corporation. Antibacterial iodophor soap base composition and method of making same. 4,839,080, 6-13-89, Cl. 252-107.000.
Junghans, Ewald: *See—*
  Tittizer, Gabriel; and Junghans, Ewald, 4,799,462, Cl. 123-90.120.
  Tittizer, Gabriel; and Junghans, Ewald, 4,821,689, Cl. 123-90.120.
Junghans, Jurgen: *See—*
  Marzinotto, Francesco; and Junghans, Jurgen, 4,881,770, Cl. 294-64.100.
Junghans Uhren GmbH: *See—*
  Allgaier, Jurgen; Ganter, Wolfgang; Hodapp, Wolfram; Kopf, Arthur; and Maurer, Roland, 4,860,268, Cl. 368-47.000.
  Holzschuh, Wolfgang; and Ganter, Wolfgang, 4,803,544, Cl. 357-72.000.
Jungheim, Louis N.; and Sigmund, Sandra K., to Eli Lilly and Company. 2,3-(Dihydro) bicyclic pyrazolidinones. 4,826,992, 5-2-89, Cl. 548-359.000.
Jungheim, Louis N.: *See—*
  Holmes, Richard E.; and Jungheim, Louis N., 4,826,993, Cl. 548-365.000.
Jungkman, David L.; Howard, James W.; and White, Timothy E., to Honeywell Inc. Prism cold shield. 4,812,655, 3-14-89, Cl. 250-352.000.
Jungmann, Andreas; and Reilard, Ulrich, to Allmineral Aufbereitungstechnik GmbH & Co. KG. Device for aerating fluids, in particular during flotation. 4,840,753, 6-20-89, Cl. 261-76.000.
Jungowski, Wiktor M.; and Studzinski, Wojciech, to Nova-Husky Research Corporation, Ltd. Damping pressure pulsations in piping systems. 4,867,190, 9-19-89, Cl. 137-1.000.
Jungquist, Robert K., to Eastman Kodak Company. Quadratic frequency modulated absolute distance measuring interferometry. 4,886,363, 12-12-89, Cl. 356-349.000.
Jungroth, Owen W., to Intle Corporation. A circuit for providing a load for the charging of an EPROM cell. 4,858,186, 8-15-89, Cl. 365-185.000.
Jungroth, Owen W., to Intel Corporation. Voltage margining circuit for flash eprom. 4,875,188, 10-17-89, Cl. 365-185.000.
Jungverdorben, Hermann-Josef: *See—*
  Reinehr, Ulrich; Bernklau, Kurt; Herbertz, Toni; Jungverdorben, Hermann-Josef; and Burghartz, Hans K., 4,810,448, Cl. 264-177.130.
  Reinehr, Ulrich; Hirsch, Rolf-Burkhard; Dross, Joachim; and Jungverdorben, Hermann-Josef, 4,842,793, Cl. 264-136.000.
  Reinehr, Ulrich; Pieper, Christian; Hirsch, Rolf-Burkhard; Jungverdorben, Hermann-Josef; and Breuer, Jakob, 4,854,021, Cl. 28-263.000.
Jungwirth, Dieter, to Dyckerhoff & Widmann Aktiengesellschaft. Method of placing steel tendons through ducts in a concrete structural member. 4,856,254, 8-15-89, Cl. 52-741.000.
Jungwirth, Dieter: *See—*
  Aicher, Max; Jungwirth, Dieter; Klein, Hans-Wilhelm; and Raswurm, Dieter, 4,877,463, Cl. 148-12.00B.
  Nutzel, Oswald; Zimmermann, Egbert; and Jungwirth, Dieter, 4,878,327, Cl. 52-230.000.
Jungwirth, Eduard R., to Skischuhfabrik Dynafit Gesellschaft m.b.H. Process for the manufacture of an inner shoe for skiing boots. 4,809,379, 3-7-89, Cl. 12-142.00R.
Junichi, Kotegawa: *See—*
  Taisuke, Irie; Junichi, Kotegawa; Koichi, Watanabe; and Satoshi, Hukuda, 4,835,066, Cl. 428-659.000.
Junichi Nishizawa: *See—*
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Junichiro, Kanesaka: *See—*
  Nakagawa, Tatsushi; Ishida, Yoshiaki; Junichiro, Kanesaka; and Kaneshige, Yosuke, 4,868,029, Cl. 428-163.000.
Junier, Marius R., to Triten Corporation. Plug valve. 4,813,817, 3-21-89, Cl. 406-116.000.
Junier, Marius R., to Triten Corporation. Plug valve. 4,827,967, 5-9-89, Cl. 137-240.000.
Junino, Alex; Lang, Gerard; Jehanno, Nicole; and Vandenbosche, Jean J., to L'Oreal. Dye compositions for keratinous fibres containing 2-nitro-metaphenylenediamines. 4,797,129, 1-10-89, Cl. 8-407.000.

Junino, Alex; Lang, Gerard; Jehanno, Nicole; and Vandenbosche, Jean J., to L'Oreal. Dyeing composition containing halogenated 2-nitroanilines. 4,845,293, 7-4-89, Cl. 564-441.000.
Junino, Alex; Jehanno, Nicole; and Lang, Gerard, to L'Oreal. Substituted 2-nitro metaphenylenediamines, a process for their preparation and their use in dyeing keratinous fibers, in particular human hair. 4,863,482, 9-5-89, Cl. 8-429.000.
Junino, Alex; Genet, Alain; and Lang, Gerard, to L'Oreal. Dyeing compositions for keratinous fibres, especially for human hair, containing oxidation dye precursors and heterocyclic couplers. 4,865,617, 9-12-89, Cl. 8-409.000.
Junino, Alex; Vandenbosche, Jean J.; Borowiak, Herve; and Lang, Gerard, to L'Oreal. New chloro-meta-phenylenediamines, their use as couplers in the oxidation dyeing of keratinous fibres, dyeing compositions for hair containing these compounds and dyeing process using the said. 4,865,618, 9-12-89, Cl. 8-411.000.
Junino, Alex; Vandenbosche, Jean J.; Borowiak, Herve ; and Lang, Gerard, to L'Oreal. Use, as a coupler, of 2,4-diamino-1,3-dimethoxybenzene or one of its salts, in combination with oxidation dye precursors, for dyeing human hair, hair dyeing composition containing the said coupler and process for preparing the said coupler. 4,865,619, 9-12-89, Cl. 8-412.000.
Junino, Alex; Lang, Gerard; and Jehanno, Nicole, to L'Oreal. New 2,4-dinitro- or 2-amino-4-nitro- or 2-nitro-4-amino-6-hydroxyalkylanilines, the process for preparation thereof and their use in dyeing keratinous fibres, and especially human hair. 4,888,445, 12-19-89, Cl. 564-441.000.
Junino, Alex: *See—*
  Bugaut, Andree; and Junino, Alex, 4,863,480, Cl. 8-408.000.
  Bugaut, Andree; Junino, Alex; and Cotteret, Jean, 4,886,517, Cl. 8-416.000.
  Lang, Gerard; Richard, Herve; Leduc, Madeleine; and Junino, Alex, 4,822,375, Cl. 8-423.000.
Junior, Kenneth E.: *See—*
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Junius, Martina: *See—*
  Neumann, Ulrich; Junius, Martina; and Batz, Hans-Georg, 4,847,376, Cl. 544-102.000.
Junk, Paul B.: *See—*
  Wortberg, Johannes; Junk, Paul B.; and Franke, Harry, 4,889,477, Cl. 425-133.100.
Junker, Belva J. Pet barrier for car window installation. 4,854,364, 8-8-89, Cl. 160-105.000.
Junker, Erwin. Method for the high-speed precision clamping of rotationally symmetrical workpieces and high-speed precision clamping device for implementing the method. 4,809,466, 3-7-89, Cl. 51-237.00R.
Junker, Frank: *See—*
  Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert; Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,836,130, Cl. 118-76.000.
  Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert; Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,848,266, Cl. 118-76.000.
Junker, Warren R.: *See—*
  Brown, Stephen D.; Junker, Warren R.; and Gradich, Francis X., 4,876,506, Cl. 324-220.000
  Metala, Michael J.; Clark, William G., Jr.; Junker, Warren R.; Burtner, Lee W.; Arzenti, Thomas E.; Johnson, Harold P.; Vestovich, Robert P.; and Bevilacqua, Bruce W., 4,856,337, Cl. 73-601.000.
Junker, Wilhelm. Portable traffic marker. 4,799,448, 1-24-89, Cl. 116-63.00P.
Junkermann, Wolfgang, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Entrance system for a photodetector having a 180 degree image angle and detector provided therewith. 4,814,605, 3-21-89, Cl. 250-227.000.
Junkers, Gunter: *See—*
  Engelmann, Helmut; Hildenbrand, Karlheinz; and Junkers, Gunter, 4,837,043, Cl. 427-2.000.
Junkers, John K. Fluid operated wrench. 4,825,730, 5-2-89, Cl. 81-57.390.
Junkers, John K. Fluid-operated wrench. 4,846,028, 7-11-89, Cl. 81-57.390.
Junkert, Kenneth G.: *See—*
  Wahl, William; and Junkert, Kenneth G., 4,878,016, Cl. 324-73.00R.
Junkins, George M.: *See—*
  Zeiffer, Dieter F.; and Junkins, George M., 4,884,893, Cl. 366-176.000.
Junkman, Florence F.: *See—*
  Junkman, John W.; and Junkman, Florence F., 4,887,729, Cl. 215-100.00A.
Junkman, John W.; and Junkman, Florence F. Cup for handicapped persons. 4,887,729, 12-19-89, Cl. 215-100.00A.
Junkosha Co., Ltd.: *See—*
  Akiba, Jyuji, 4,860,983, Cl. 248-205.100.
  Akiba, Jyuji, 4,875,359, Cl. 73-40.000.
  Sato, Yoshiaki; and Ishikawa, Tazuru, 4,862,066, Cl. 324-65.00P.
  Suzuki, Hirosuke; Yasumoto, Hiromi; and Imaizumi, Haruo, 4,825,221, Cl. 343-785.000.
  Suzuki, Hirosuke, 4,857,381, Cl. 428-120.000.
Junne, Wolf: *See—*
  Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.
Juntgen, Harald: *See—*
  Richter, Ekkehard; Juntgen, Harald; Schmidt, Hans-Jurgen; and Knoblauch, Karl, 4,855,116, Cl. 423-239.000.
Juntunen, William H.: *See—*
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Juntwait, Eric, to Burndy Corporation. Electrical contact pins and assemblies. 4,826,446, 5-2-89, Cl. 439-326.000.
Junwen, Li: *See—*
  Fanqing, Liu; Junwen, Li; and Jixian, Yao, 4,851,136, Cl. 210-798.000.
Juo, Rouh-Rong: *See—*
  Holton, Robert A.; Juo, Rouh-Rong; and Lowenthal, Richard, 4,876,399, Cl. 568-817.000.
Jupin, Alain; and Schneider, Bernard, to Cebal. Dispenser for pasty product. 4,807,784, 2-28-89, Cl. 222-207.000.
Jupin, Alain; and Schneider, Bernard, to Cebal. Distributor for pasty products and a method of introducing the piston into the interior of the tubular body. 4,809,887, 3-7-89, Cl. 222-207 000.
Jupiter Technologies, Inc.: *See—*
  Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, 4,849,142, Cl. 264-40.600.
  Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, 4,871,496, Cl. 264-65.000.
Juralco, Inc.: *See—*
  Millar, Thomas H.; and Sorensen, Birk C., 4,845,808, Cl. 16-114.00R.
Juranitch, John C. Fishhook sharpener. 4,852,305, 8-1-89, Cl. 51-59.00R.
Juras, Karl-Heinz, to Schott Glaswerke. Device and process for heating a flat object made of thermoplastic material along a predetermined zone. 4,812,152, 3-14-89, Cl. 65-120.000.
Juraschek, Theodore: *See—*
  Rodriguez, Rodolfo R.; Lesniesky, Matthew W.; Galanaugh, Charles F.; Levine, Robert A.; Wardlaw, Stephen C.; and Juraschek, Theodore, 4,823,624, Cl. 73-865.900.
Jurasek, Lubomir: *See—*
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Juravic, Davor, to Star-Kist Foods, Inc. Apparatus for removing adhered food product from tray lattice. 4,815,919, 3-28-89, Cl. 414-417.000.
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  Hrib, Nicholas J.; and Jurcak, John G., 4,826,846, Cl. 514-254.000.
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  Gallo, Paul E.; Larsen, James H., and Jurczyk, Mary K., 4,822,062, Cl. 277-235.00B.
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  Fickenscher, John; Jurdi, Wissam; and Shibata, Tomoo, 4,851,383, Cl. 503-200.000.
Jurek, Richard D., to Air-Vend, Inc. Locking mechanism for vending machines. 4,823,570, 4-25-89, Cl. 70-129.000.
Jurewicz, Jerzy: *See—*
  Boulos, Maher; and Jurewicz, Jerzy, 4,853,250, Cl. 427-34.000.
Jurgenhake, Bernhard. Transport system for an automatic cable processing machine. 4,800,791, 1-31-89, Cl. 83-23.000.
Jurgens, Gunter: *See—*
  Gaus, Hermann; Jurgens, Gunter; and Greiner, Albrecht, 4,823,645, Cl. 74-866.000.
Jurgens, Jean-Marc: *See—*
  Neuerburg, Horst; and Jurgens, Jean-Marc, 4,809,488, Cl. 56-13.600.
Jurgens, Lothar, to Precitronic Gesellschaft fur Feinmechanik und Electronic mbh. Process, and device for firing and battle simulation. 4,877,403, 10-31-89, Cl. 434-24.000.
Jurgens, Rainer, to Eastman Christensen Company. Method for transmitting downhole data in a reduced time. 4,873,522, 10-10-89, Cl. 340-853.000.
Jurgensen, Holger: *See—*
  Erdmann, Dietrich; Van Ghemen, Max E.; Pohl, Ludwig; Schumann, Herbert; Hartmann, Uwe; Wassermann, Wilfried; Heyen, Meino; and Jurgensen, Holger, 4,880,492, Cl. 156-610.000.
Jurgensen, John R., to Systran Corporation. Method for curing rubber articles. 4,819,177, 4-4-89, Cl. 364-476.000.
Jurgich, Donald. Device for holding utensils. 4,867,410, 9-19-89, Cl. 248-558.000.
Juri, Tatsuro; and Etoh, Minoru, to Matsushita Electric Industrial Co., Ltd. Sub-nyquist sampling encoder and decoder of a video system. 4,868,654, 9-19-89, Cl. 358-133.000.
Jurich, Umberto, to Boeing Company, The. Thrust reverser for high bypass jet engines. 4,807,434, 2-28-89, Cl. 60-226.200.
Juridical Foundation, Japanese Foundation for Cancer Research: *See—*
  Itoh, Seiga; Sekine, Susumu; Taniguchi, Tadatsugu; Yoshida, Mitsuaki; and Sugano, Haruo, 4,795,805, Cl. 530-350.000.
Juridical Foundation the Chemo-Sero-Therapeutic Research Institute: *See—*
  Eda, Yasuyuki; Maeda, Toshihiro; Nishiyama, Kiyoto; and Tashiro, Akira, 4,883,752, Cl. 435-68.000.

Ginnaga, Akihiro; Nishihara, Tsukasa; Kawahara, Tetsuo; Susumi, Sadao; Mizokami, Hiroshi; and Sakoh, Mitsuo, 4,885,359, Cl. 530-396.000.
Hirayama, Chuichi; Motozato, Yoshiaki; and Ihara, Hirotaka, 4,840,975, Cl. 521-183.000.
Nerome, Kuniaki; Oya, Akira; Ohkuma, Kunio; and Inoue, Atsuo, 4,826,687, Cl. 424-450.000.
Sugahara, Keishin; Imamura, Takayuki; Hamada, Fukusaburo; Ohtomo, Nobuya; Fujita, Haruo; and Yagami, Kazuhide, 4,839,277, Cl. 435-7.000.
Taniguchi, Isao; Yasukouchi, Kazuo; Tsuji, Ichiroh; and Fujiyasu, Takeshi, 4,839,017, Cl. 204-403.000.
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Jurkiewitsch, George, to Hercules Incorporated. Process for preparing filter rods. 4,798,570, 1-17-89, Cl. 493-44.000.
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Jurny, Josef: *See—*
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Jurr, Reinhold, to Bayerische Motoren Werke Aktiengesellschaft. Wheel suspension for steerable wheels of motor vehicles, especially for rear wheels. 4,815,762, 3-28-89, Cl. 280-91.000.
Jurrius, Eran J. P.; Russ, Geri A.; and Russ, Travis A., to Bodiguard Technologies, Inc. Manufacture of gloves and the like. 4,804,432, 2-14-89, Cl. 156-350.000.
Jurrus, Carl E. Signboard units and process for making same. 4,844,964, 7-4-89, Cl. 428-74.000.
Jurs, Michael, to Nordischer Maschinenbau Rud. Baader GmbH & Co. KG. Apparatus for skinning double fillets of fish having a highly sensitive skin. 4,835,817, 6-6-89, Cl. 17-62.000.
Jursich, Donald N.; and DiGirolamo, William J., to Sunbeam Corporation. Compact portable vaporizer. 4,810,854, 3-7-89, Cl. 219-276.000.
Jury, Egon, to Metallgesellschaft Aktiengesellschaft. Dust-collecting apparatus. 4,832,710, 5-23-89, Cl. 55-1.000.
Jury, Egon, to Metallgesellschaft Aktiengesellschaft. Method of and apparatus for removing gaseous pollutants from exhaust gases. 4,874,400, 10-17-89, Cl. 55-8.000.
Jusa, Hidehiko: *See—*
Fukinuki, Takahiko; Hirano, Yasuhiro; Yoshigi, Hiroshi; and Jusa, Hidehiko, 4,885,631, Cl. 358-21.00R.
Jusaitis, Walter; and Matthews, William W., to National Fluid Separators, Inc. Method and device for filtering oils from infusion beverages. 4,859,348, 8-22-89, Cl. 210-799.000.
Jusionis, Vytautas J.: *See—*
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Juslin, Scott E.; and Juslin, Lee. Balloon stretcher. 4,879,928, 11-14-89, Cl. 81-488.000.
Juso, Hiromi; Nishida, Shuzo; Okuno, Keizo; and Minoda, Hidenori, to Sharp Kabushiki Kaisha. Optical fiber and electrical plug/jack interconnection device. 4,869,566, 9-26-89, Cl. 350-96.200.
Jusseau, Marcel: *See—*
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Heng, Jean-Paul; Jusseau, Marcel; and Humbert-Labeaumaz, Alain, 4,832,439, Cl. 350-96.210.
Jussila, Olavi, to Kone Oy. Air cooled electromechanical drive apparatus. 4,831,294, 5-16-89, Cl. 310-63.000.
Just, Ernst K.; and Nickol, Robert G., to Aqualon Company. Phosphated, oxidized starch and use of same as dispersant in aqueous solutions and coating for lithography. 4,841,040, 6-20-89, Cl. 536-105.000.
Just, Gunter; and Stastny, Erich. Sound-permeable cover for a loudspeaker. 4,832,150, 5-23-89, Cl. 181-175.000.
Just-Hanig, Christian, to Krupp Corpoplast Maschinenbau GmbH. Apparatus for transferring parisons from a conveying path to a receiving wheel. 4,846,663, 7-11-89, Cl. 425-534.000.
Just Japan Co., Ltd.: *See—*
Sasaki, Mitsuo, 4,854,767, Cl. 404-6.000.
Just, Karl, to MTU Motoren- und Turbinen-Union Friedrichshafen GmbH. Divided slide bearing. 4,875,784, 10-24-89, Cl. 384-273.000.
Just, Melitta: *See—*
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Schonafinger, Karl; Beyerle, Rudi; Bohn, Helmut; Just, Melitta; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,845,091, Cl. 514-212.000.
Zoller, Gerhard; Beyerle, Rudi; Just, Melitta; Bohn, Helmut; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,816,454, Cl. 514-211.000.
Just, Murray K.; Grodecki, Lawrence S.; Henry, James W.; and Hantke, Glenn M., to Morris Rod-Weeder Co., Ltd. Foldable packer harrow implement. 4,813,489, 3-21-89, Cl. 172-175.000.
Juster, Andrew S.; and Pilato, Scott R. Adjustable waterbed padded cap, frame and pedestal. 4,841,586, 6-27-89, Cl. 5-181.000.
Justesen, Scott F. Vise jig tool. 4,863,151, 9-5-89, Cl. 269-261.000.
Justice, Craig A. Portable awning. 4,805,655, 2-21-89, Cl. 135-90.000.
Justice, David D.; Helmstetter, David A.; Reed, Emily J.; and Fukunaga, Tsujihiko, to Olin Corporation. Process for removing aluminum from concentrated alkali metal halide brines. 4,830,837, 5-16-89, Cl. 423-181.000.
Justice, Donald R. Trenching tool for installing perforated pipe. 4,871,281, 10-3-89, Cl. 405-181.000.
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Justice, James C.; and Delli-Gatti, Frank A., Jr., to Coaltex, Inc. Advance/retreat cutting miner and method. 4,889,392, 12-26-89, Cl. 299-18.000.
Justice, John C.: *See—*
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Justice, Kendall W. Truck bed load organizer and stabilizer apparatus. 4,875,730, 10-24-89, Cl. 296-37.500.
Justice, Richard S., to Precision Brand Products, Inc. Slotted shim. 4,809,421, 3-7-89, Cl. 29-525.100.
Justus, Paul E., to Essex Group, Inc. Threading bar for use with a wire coating apparatus having parallel transport cables. 4,817,841, 4-4-89, Cl. 226-92.000.
Justus, Paul E.; and Zaman, Mohammad F., to Essex Group, Inc. Heated supply sheaves for wire coating apparatus. 4,839,205, 6-13-89, Cl. 428-34.100.
Justus, Paul E., to Essex Group, Inc. Closure mechanism for wire coating oven. 4,844,283, 7-4-89, Cl. 220-264.000.
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Jutand, Francis; Demassieux, Nicolas; and Dana, Michel. Binary adder having a fixed operand and parallel-serial binary multiplier incorporating such an adder. 4,853,887, 8-1-89, Cl. 364-784.000.
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Juvin, Didier; and Tan, Shenbiao, to Commissariat A L'Energie Atomique. Process for the automatic recognition of objects liable to overlap. 4,845,765, 7-4-89, Cl. 382-21.000.
Juzhelevsky, July A.: *See—*
Fedorov, Svyatoslav N.; Pashinova, Nadezhda F.; Anisimov, Sergei I.; Degtev, Evgeny I.; Zakharov, Dmitry V.; Karavaev, Alexandr A.; Kiselev, Vladimir G.; Juzhelevsky, July A.; and Sokolov, Sergei V., 4,863,462, Cl. 623-6.000.
JVJ Enterprises, Inc.: *See—*
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JW Window Components, Inc.: *See—*
Marshik, Gary J., 4,805,262, Cl. 16-105.000.
JWI, Incorporated: *See—*
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JWI Ltd.: *See—*
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Jydsk Varmekedelfabrik A/S: *See—*
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Jyoni Business Forms Co., Ltd.: *See—*
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Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.
K. B. Electronics Inc.: *See—*
Saganovsky, Abraham, 4,839,570, Cl. 388-815.000.
K. Biological Science Laboratory Co., Ltd.: *See—*
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K & D Industries, Inc.: *See—*
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K Electronics, Inc.: *See—*
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K-Flow, a division of Kane Steel Company, Inc.: *See—*
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K G Engineering, Inc.: *See—*
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K & H Industries, Inc.: *See—*
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K.J. Manufacturing: *See—*
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K. K. Nakatani: *See—*
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K-Line Industries, Inc.: *See—*
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Kammeraad, James A., 4,825,583, Cl. 43-43.120.
K-Pay Entertainment, Incorporated: *See—*
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K & R Equipment, Incorporated: *See—*
Johnson, Robert B.; and Smith, Robert P., 4,795,413, Cl. 493-309.000.
Johnson, Robert B.; and Smith, Robert P., 4,874,354, Cl. 493-101.000.
K R Industries, Inc.: *See—*
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K-Rak Products, Inc.: *See—*
Kraklio, Kenneth L., 4,804,120, Cl. 224-42.03B.
K. Rutschi AG: *See—*
Zehnder, Paul; Niklaus, Hans-Ulrich; Schmiedl, Engelbert; and Patri, Franz, 4,875,836, Cl. 417-360.000.
K-S-H Canada Inc.: *See—*
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K-Tron International, Inc.: *See—*
Bullivant, Kenneth W., 4,811,835, Cl. 198-762.000.
Bullivant, Kenneth W.; and Falco, Sam C., 4,819,015, Cl. 340-568.000.
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K-2 Corporaton: *See—*
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K-V Associates, Inc.: *See—*
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K W. Thompson Tool Company, Inc.: *See—*
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French, Kendrick L., 4,802,297, Cl. 42-90.000.
French, Kendrick L., 4,838,339, Cl. 164-340.000.
French, Kendrick L.; and Laney, Mark C., 4,854,065, Cl. 42-65.000.
French, Kendrick L.; and Laney, Mark C., 4,888,901, Cl. 42-51.000.
K.X.L. Manufacturing, Inc.: *See—*
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Kaaden, Jurgen; and Schandl, Hartmut, to Deutsche Thomson-Brandt GmbH. Track-readjusted magnetic-tape recorder with transverse tracking. 4,876,614, 10-24-89, Cl. 360-10.200.
Kaali, Steven; and Schwolsky, Peter M. Electrified vaginal ring. 4,827,946, 5-9-89, Cl. 128-830.000.
Kaalstad, Oscar; and Reid, Neil G., to Cledisc International B.V. Rotary drilling device. 4,832,143, 5-23-89, Cl. 175-365.000.
Kaanta, Henry W.: *See—*
Sanders, Robert E., Jr.; Kaanta, Henry W.; McBride, John K.; Milner, Milton W.; Perigo, Terry A.; and Shelby, Samuel L., 4,812,183, Cl. 148-439.000.
Kaarre, Norman J., to McCord Heat Transfer Corporation. Heat exchange assembly. 4,848,448, 7-18-89, Cl. 165-158.000.
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Kabadi, Ashok N.; Turner, Leonard O.; and White, Michael T., to Intel Corporation. High density flexible circuit. 4,798,918, 1-17-89, Cl. 174-36.000.
Kabadi, Ashok N., to Intel Corporation. High density flexible circuit connector. 4,850,883, 7-25-89, Cl. 439-67.000.
Kabakov, Vladimir M.; and Razinkov, Ivan E. Dry-cleaning machine for textiles. 4,817,296, 4-4-89, Cl. 34-77.000.
Kabalka, George W.: *See—*
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Kennedy, Thomas P.; and Kabalka, George W., 4,831,156, Cl. 548-494.000.
Kennedy, Thomas P.; and Kabalka, George W., 4,851,554, Cl. 549-471.000.
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Kabain, Daniel F., to General Motors Corporation. Pedal force responsive engine controller. 4,881,502, 11-21-89, Cl. 123-399.000.
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Kimura, Okitoshi; Kabata, Toshiyuki; and Ohsawa, Toshiyuki, 4,886,572, Cl. 156-633.000.
Kabatek, Jan; and Ditl, Pavel, to Ceske vysoke uceni Technicke, rektorat. Arrangement for continuous mixing of liquids. 4,874,249, 10-17-89, Cl. 366-339.000.
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Kabay, Gabriella H.; and Kabay, Ernest, to Sunstone Inc. Phosphors and methods of preparing the same. 4,857,228, 8-15-89, Cl. 252-301.40S.
Kabaya, Yoshihiko; Yasuda, Naofumi; and Omi, Toshihiro, to Mitutoyo Mfg. Co., Ltd. Photoelectric type displacement detecting instrument. 4,840,488, 6-20-89, Cl. 356-374.000.
Kabayama, Yoshiaki, to Kabushiki Kaisha Daikin Seisakusho. Release mechanism for a clutch. 4,821,858, 4-18-89, Cl. 192-91.00R.
Kabayashi, Seishiro, to Anritsu Meter Co., Ltd. Surface temperature sensor. 4,859,081, 8-22-89, Cl. 374-179.000.
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Kabe, Kazuyuki; Takahashi, Ken; Kida, Masashi; and Harada, Saichi, to Yokohama Rubber Co., Ltd., The. Heavy load radial tire. 4,800,941, 1-31-89, Cl. 152-531.000.
Kabe, Kazuyuki; Suzuki, Tatsuo; and Takahashi, Ken, to Yokohama Rubber Co., Ltd., The. Heavy duty pneumatic radial tire. 4,881,587, 11-21-89, Cl. 152-534.000.
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Chahabadi, Ziaedin; and Prenner, Christian, 4,797,874, Cl. 370-16.000.
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Klebl, Wolfram; Bruenn, Rainer; and Staschewski, Harry, 4,881,489, Cl. 118-672.000.
Marx, Karl-Heinz; Voigt, Hermann-Uwe; and Patzke, Frank, 4,868,022, Cl. 428-35.100.
Mohring, Gunter; and Block, Detlef, 4,816,786, Cl. 333-125.000.
Nagel, Reimer; and Wendel, Ralf, 4,855,750, Cl. 343-770.000.
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Raschbichler, Hans G.; Miller, Luitpold; Weislo, Manfred; and Breitenbach, Otto, 4,860,430, Cl. 29-596.000.
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Rohner, Peter; and Ziemek, Gerhard, 4,861,135, Cl. 350-96.230.
Rohner, Peter; and Ziemek, Gerhard, 4,878,732, Cl. 350-96.230.
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Ziemek, Gerhard; Staschewski, Harry; and Gunia, Ewald, 4,811,888, Cl. 228-148.000.
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Kabelwerke Reinshagen GmbH: *See—*
Jorroch, Waldemar; and Schekalla, Peter, 4,846,737, Cl. 439-752.000.
Kabeshita, Akira; Hamane, Tokuhito; and Tanaka, Souhei, to Matsushita Electric Industrial Co., Ltd. Method for mounting electronic components. 4,829,664, 5-16-89, Cl. 29-840.000.
Kabeshita, Akira; Hamane, Tokuhito; and Tanaka, Souhei, to Matsushita Electric Industrial Co., Ltd. Method and apparatus for mounting electronic components. 4,829,665, 5-16-89, Cl. 29-840.000.
Kabeta, Keiji, to Toshiba Silicone Co., Ltd. Process for producing 5-vinylbicyclo[2.2.1]heptyltrichlorosilane. 4,814,473, 3-21-89, Cl. 556-479.000.
Kabeya, Motoo: *See—*
Shindou, Yoshio; and Kabeya, Motoo, 4,812,371, Cl. 428-659.000.
Shindou, Yoshio; Kabeya, Motoo; Shimazu, Takashi; and Yamazaki, Fumio, 4,876,160, Cl. 428-623.000.
Kabigen AB: *See—*
Carlquist, Mats; Jornvall, Hans; Forssmann, Wolf-Georg; Thulin, Lars; Johansson, Catja; and Mutt, Viktor, 4,806,336, Cl. 424-9.000.
Gafvelin, Guro; Carlquist, Mats; and Mutt, Viktor, 4,840,785, Cl. 424-9.000.
Kabilka, Otto; Weich, Otto; Grassle, Herbert; and Weeger, Hans-Peter, to Zinser Textilmaschinen GmbH. Apparatus for inclination adjustment of a traveling service unit for a textile spinning mill machine. 4,843,810, 7-4-89, Cl. 57-268.000.
Kabilka, Otto; Weich, Otto; Grassle, Herbert; and Weeger, Hans-Peter, to Zinser Textilmaschinen GmbH. Apparatus for vertical adjustment

of a traveling service unit for a textile spinning mill machine. 4,843,972, 7-4-89, Cl. 104-296.000.
KabiVitrum AB: *See—*
Andersson, Lars-Olof; Forsman, Nanna; Larsen, Kerstin E. I.; Lundin, Annelie B.; Pavlu, Bohdan; Sandberg, Inga H.; and Sewerin, Karin M., 4,877,614, Cl. 424-101.000.
Gustavsson, Stig I.; and Arielly, Salo, 4,797,472, Cl. 530-331.000.
Kable, Robert G.: *See—*
Schlosser, Philip A.; and Kable, Robert G., 4,853,493, Cl. 178-18.000.
Kabmatik AB: *See—*
Lindstrom, Lennart, 4,883,230, Cl. 242-25.00R.
Kabota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; Uchida, Matazaemon; and Taninaka, Kuniaki, to Nihon Nohyaku Co., Ltd. Malonic acid derivatives. 4,835,153, 5-30-89, Cl. 514-249.000.
Kabumoto, Takashi: *See—*
Mikami, Yoshiharu; Kubo, Michihiro; and Kabumoto, Takashi, 4,844,190, Cl. 177-25.180.
Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Stepping motor control apparatus. 4,882,530, 11-21-89, Cl. 318-696.000.
Kaburagi, Kouji: *See—*
Sonoda, Sakae; Hetsugi, Kouji; Sawasaki, Yoshihiko; Kaburagi, Kouji; and Matsushima, Yasunobu, 4,874,480, Cl. 204-56.100.
Kabushi Kaisha Nippon Coinco: *See—*
Kachi, Kenjiro; and Honda, Tetsuya, 4,810,863, Cl. 235-441.000.
Kabushiki Kaisha Abisare: *See—*
Kasahara, Keiji, 4,864,461, Cl. [illegible]-234.000.
Kabushiki Kaisha Aideie: *See—*
Ide, Manabu, 4,843,709, Cl. 29-525.000.
Kabushiki Kaisha Akita: *See—*
Kubo, Yoshimasa, Hondo, Masao; Tanaka, Masashi; and Asahi, Akihiko, 4,873,195, Cl. 435-254.000.
Kabushiki Kaisha Alps Slate: *See—*
Miyazaki, Hiroshi, 4,864,793, Cl. 52-54.000.
Kabushiki Kaisha Aoyama: *See—*
Masui, Kosuke, 4,812,338, Cl. 428-4.000.
Kabushiki Kaisha Araki Gomu: *See—*
Yoshitomi, Shingo, 4,886,191, Cl. 222-174.000.
Kabushiki Kaisha Asahi Kinzoku Kogyosho: *See—*
Kaneko, Toshio, 4,875,353, Cl. 72-133.000.
Kaneko, Toshio, 4,876,872, Cl. 72-133.000.
Kabushiki Kaisha Asaka: *See—*
Nakagawa, Shozo; Ohnishi, Shunichi; and Takagi, Akihiro, 4,866,546, Cl. 360-66.000.
Kabushiki Kaisha Asano Kenkyusho: *See—*
Asano, Kazuo; Takai, Toshihiro; and Kinoshita, Masayasu, 4,826,421, Cl. 425-403.100.
Kabushiki Kaisha Asaplan: *See—*
Maekawa, Kengo; Suzuki, Moitsu; Nakano, Yukiya; and Tani, Hisahiko, 4,852,685, Cl. 181-175.000.
Kabushiki Kaisha Bandai: *See—*
Shoji, Takashi, 4,810,229, Cl. 446-443.000.
Sugiura, Koji; and Ibe, Takaya, 4,831,219, Cl. 200-5.00A.
Kabushiki Kaisha Chibakou Shoji: *See—*
Nishizono, Taiji, 4,872,463, Cl. 128-844.000.
Kabushiki Kaisha Chiyoda Kagaku Kenkyusho: *See—*
Maeda, Akio, 4,826,570, Cl. 162-158.000.
Kabushiki Kaisha Cubic Engineering: *See—*
Nakanishi, Motoyasu, 4,843,735, Cl. 36-28.000.
Nakanishi, Motoyasu, 4,845,457, Cl. 338-114.000.
Nakanishi, Motoyasu, 4,856,626, Cl. 188-371.000.
Nakanishi, Motoyasu, 4,861,804, Cl. 521-54.000.
Kabushiki Kaisha Daiki Aluminium Kogyosho: *See—*
Yamaoka, Masao, 4,850,577, Cl. 266-229.000.
Yamaoka, Masao; and Toyota, Tomohiro, 4,881,670, Cl. 222-590.000.
Kabushiki Kaisha Daikin Seisakusho: *See—*
Fujimoto, Shinji, 4,875,562, Cl. 192-3.280.
Fukaya, Yasunobu, 4,848,554, Cl. 192-70.250.
Fukushima, Hirotaka, 4,796,740, Cl. 192-30.00V.
Fukushima, Hirotaka, 4,842,116, Cl. 192-106.200.
Fukushima, Hirotaka, 4,842,117, Cl. 192-106.200.
Fukushima, Hirotaka, 4,844,216, Cl. 192-3.260.
Fukushima, Hirotaka, 4,844,224, Cl. 192-70.170.
Fukushima, Hirotaka, 4,844,225, Cl. 192-70.170.
Fukushima, Hirotaka, 4,846,323, Cl. 192-30.00V.
Fukushima, Hirotaka, 4,846,328, Cl. 192-106.200.
Fukushima, Hirotaka, 4,856,639, Cl. 192-106.200.
Kabayama, Yoshiaki, 4,821,858, Cl. 192-91.00R.
Kamio, Takenori, 4,848,527, Cl. 192-13.00R.
Kitano, Seiichi; Fukatani, Yasunobu; and Asada, Masaaki, 4,807,730, Cl. 192-13.00R.
Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, 4,848,550, Cl. 192-99.00A.
Kitano, Seiichi; and Yamaguchi, Toshiki, 4,852,711, Cl. 192-107.00C.
Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, 4,856,634, Cl. 192-70.300.
Koshimo, Masahiko, 4,843,908, Cl. 74-731.000.
Koshimo, Masahiko, 4,876,922, Cl. 74-731.000.
Mori, Mituyoshi, 4,841,729, Cl. 60-361.000.
Murakami, Kiyoharu, 4,819,510, Cl. 74-688.000.
Murakami, Kiyoharu, 4,860,868, Cl. 192-85.00R.
Murakami, Kiyoharu, 4,865,075, Cl. 137-580.000.
Murakami, Kiyoharu, 4,865,177, Cl. 192-107.00R.
Nishimura, Yoshio; and Asada, Masaaki, 4,832,165, Cl. 192-13.00R.
Nishimura, Yoshio; and Ohga, Syogo, 4,848,552, Cl. 192-106.200.
Ohkubo, Masahiro, 4,813,300, Cl. 74-718.000.
Ohkubo, Masahiro; Shiba, Hirofumi; and Nakamura, Katsuma, 4,815,341, Cl. 74-878.000.
Ohkubo, Masahiro, 4,869,128, Cl. 74-677.000.
Ohkubo, Masahiro, 4,873,892, Cl. 74-710.500.
Okuno, Yoshihiro; Sakanoue, Jun; Sakamoto, Yoshitsugu; Hatanaka, Tsugio; and Okuno, Takashi, 4,867,641, Cl. 415-215.100.
Takenaka, Mitsuhiko; and Higashiji, Mitsuo, 4,886,153, Cl. 192-113.00A.
Taketani, Akio, 4,844,226, Cl. 192-111.00A.
Takeuchi, Hiroshi, 4,846,330, Cl. 192-113.00A.
Takeuchi, Hiroshi, 4,865,174, Cl. 192-70.120.
Kabushiki Kaisha Denkosha: *See—*
Ueki, Tadao, 4,806,830, Cl. 315-244.000.
Kabushiki Kaisha Dymosha: *See—*
Kubo, Setsuo, 4,821,703, Cl. 125-1.000.
Kabushiki Kaisha Empire Airport Service: *See—*
Miyamoto, Takehiko, 4,849,680, Cl. 318-602.000.
Kabushiki Kaisha Frontier: *See—*
Chigami, Makoto; Ogihara, Sumio; Hoaki, Hiroshi; Kouda, Tomonobu; and Okamura, Masao, 4,840,823, Cl. 428-35.500.
Kabushiki Kaisha Fuji Iryoki: *See—*
Yamasaki, Yoshikiyo, 4,818,018, Cl. 297-284.000.
Kabushiki Kaisha Gosei Kagaku Kenkyusho: *See—*
Eguchi, Kiyohisa; Kitamura, Norio; Okamura, Terumasa; and Ohta, Jouji, 4,834,891, Cl. 252-28.000.
Kabushiki Kaisha Hamatech: *See—*
Okuno, Masaharu; Ishibashi, Toshihiro; Naitou, Satoshi; and Sasaki, Tatsuyoshi, 4,836,183, Cl. 126-110.00R.
Kabushiki Kaisha Hanagata: *See—*
Hanagata, Toshiyuki, 4,862,679, Cl. 53-568.000.
Kabushiki Kaisha Hanzawa Corporation: *See—*
Suimon, Yoshio, 4,857,789, Cl. 310-233.000.
Kabushiki Kaisha Hareyama Giken: *See—*
Hareyama, Kisichiro; and Hareyama, Shokichi, 4,846,125, C 123-292.000.
Hareyama, Kisichiro; and Hareyama, Shokichi, 4,854,281, C 123-292.000.
Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo: *See—*
Hijiya, Hiromi; Mitsuhashi, Masakazu; and Miyake, Toshio, 4,831,022, Cl. 514-58.000.
Ishikawa, Tetsushi; Okabe, Masato; and Kato, Hiroyasu, 4,840,142, Cl. 119-17.000.
Koyama, Shunsaku; and Miyake, Toshio, 4,824,938, C 530-351.000.
Maeda, Masao; Fukuse, Michiyo; Miyaaki, Tohru; and Miyake, Toshio, 4,889,728, Cl. 426-5.000.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,803,077, Cl. 424-439.000.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,810,827, Cl. 514-53.000.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,812,444, Cl. 514-53.000.
Mitsuhashi, Masakazu; and Koyama, Shunsaku, 4,814,169, C 424-85.800.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,816,272, Cl. 426-331.000.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,816,445, Cl. 514-53.000.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,826,825, Cl. 514-53.000.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,849,225, Cl. 424-439.000.
Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,870,059, Cl. 514-53.000.
Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, 4,843,156, C 536-127.000.
Okumura, Minoru, 4,857,358, Cl. 426-654.000.
Kabushiki Kaisha Hi Bridge: *See—*
Takahashi, Masakatsu, 4,867,170, Cl. 128-677.000.
Kabushiki Kaisha Hirano Seisakusho: *See—*
Hirano, Tsugutoshi, 4,870,717, Cl. 17-31.000.
Kabushiki Kaisha Hokkaido Nissin: *See—*
Emura, Tatuo; and Ohba, Kiyoshi, 4,885,178, Cl. 426-46.000.
Kabushiki Kaisha Hoky: *See—*
Kobayashi, Kiyoshi, 4,811,449, Cl. 15-231.000.
Kobayashi, Kiyoshi, 4,845,797, Cl. 15-41.00R.
Tsuchiya, Toshihiro, 4,813,092, Cl. 15-41.00R.
Tsuchiya, Toshihiro, 4,813,096, Cl. 15-41.00R.
Tsuchiya, Toshihiro, 4,815,157, Cl. 15-42.000.
Kabushiki Kaisha Honda Rokku: *See—*
Tanaka, Yoshiaki; Tanaka, Yashihiro; Kawakami, Toshikazu; and Yamagata, Tetsuo, 4,878,045, Cl. 340-556.000.
Kabushiki Kaisha Honma Gorufu Kurabu Seisakusho: *See—*
Honma, Yukihiro, 4,801,146, Cl. 273-173.000.
Honma, Yukihiro, 4,812,187, Cl. 156-245.000.
Kabushiki Kaisha Honma Rokku: *See—*
Homma, Shinobu, 4,817,481, Cl. 83-355.000.
Kabushiki Kaisha Horiken: *See—*
Sugimura, Tuyoshi; Hori, Kenji; and Oba, Kiyoyuki, 4,873,917, Cl. 99-355.000.

Kabushiki Kaisha Hosokawa Yoko: *See—*
Ohga, Toshinari; Kuge, Raizo; and Niwa, Susumu, 4,834,245, Cl. 206-610.000.
Kabushiki Kaisha I.S.T.: *See—*
Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,804,576, Cl. 428-216.000.
Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,883,715, Cl. 428-421.000.
Kabushiki Kaisha Ikeuchi Tekkosho: *See—*
Ikeuchi, Hiroji; and Ikeuchi, Kiyoaki, 4,807,524, Cl. 99-353.000.
Kabushiki Kaisha Iseki Kaihatsu Koki: *See—*
Akesaka, Toshio, 4,815,695, Cl. 254-29.00R.
Akesaka, Toshio, 4,830,539, Cl. 405-184.000.
Akesaka, Toshio, 4,869,619, Cl. 405-184.000.
Akesaka, Toshio, 4,874,268, Cl. 405-184.000.
Akesaka, Toshio, 4,886,394, Cl. 405-141.000.
Akesaka, Toshio, 4,886,396, Cl. 405-184.000.
Kato, Minoru; Okamoto, Sohei; and Suzuki, Yukio, 4,810,377, Cl. 210-150.000.
Nobunaga, Hiroshi, 4,868,648, Cl. 358-100.000.
Kabushiki Kaisha Ishida Koki Seisakusho: *See—*
Ikekita, Minoru, 4,832,513, Cl. 400-61.000.
Izumi, Asashiro, 4,812,701, Cl. 312-285.000.
Kabushiki Kaisha Itoki: *See—*
Ishikawa, Tetsushi; Okabe, Masato; and Kato, Hiroyasu, 4,840,142, Cl. 119-17.000.
Kabushiki Kaisha Kaneda Kikai Seisakusho: *See—*
Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki, 4,830,304, Cl. 242-67.200.
Watanabe, Takemi; and Shiba, Noriyuki, 4,821,971, Cl. 242-55.000.
Kabushiki Kaisha Kanemitsu: *See—*
Kanemitsu, Masahiro, 4,799,909, Cl. 474-168.000.
Kanemitsu, Masahiro, 4,831,705, Cl. 29-159.00R.
Kabushiki Kaisha Kanesaka Gijutsu Kenkyusho: *See—*
Kanesaka, Hiroshi, 4,802,452, Cl. 123-376.000.
Kabushiki Kaisha Kawai Gakki Seisakusho: *See—*
Katsuta, Masanori; and Yamaguchi, Tsutomu, 4,856,407, Cl. 84-439.000.
Kitagawa, Hiroshi, 4,840,099, Cl. 84-1.010.
Kitagawa, Hiroshi, 4,876,935, Cl. 84-627.000.
Koizumi, Shinsaku, 4,821,618, Cl. 84-250.000.
Matsushima, Tadashi, 4,811,644, Cl. 84-1.200.
Takauji, Kiyomi, 4,813,328, Cl. 84-1.190.
Kabushiki Kaisha Kenwood: *See—*
Arai, Hisao; Sonehara, Keisuke; Yasumura, Satoshi; and Kobayashi, Junji, 4,854,145, Cl. 70-258.000.
Asahi, Nobumitsu; Ikeda, Tetsuo; and Kawase, Seiji, 4,855,894, Cl. 363-157.000.
Asahi, Nobumitsu; and Nakazawa, Akira, 4,857,859, Cl. 329-104.000.
Hagita, Hiroyuki, 4,862,299, Cl. 360-64.000.
Hata, Hidekazu, 4,804,816, Cl. 219-121.200.
Ichijyo, Hiroshi, 4,812,717, Cl. 315-367.000.
Ichijyo, Hiroshi, 4,843,307, Cl. 324-103.00P.
Kawase, Seiji, 4,871,987, Cl. 332-100.000.
Kuniharu, Yasutaka, 4,829,392, Cl. 360-66.000.
Miyamoto, Yukihiko; Kobayashi, Hirokazu; and Suzuki, Syoichi, 4,884,267, Cl. 370-100.100.
Murakami, Shoji; Koide, Kiichiro; Inoue, Kyoichi; Hiranuma, Satoshi; and Osada, Toshihiko, 4,831,466, Cl. 360-67.000.
Nakayama, Shigeyuki, 4,860,307, Cl. 375-1.000.
Nakayama, Shigeyuki, 4,884,284, Cl. 375-1.000.
Sakamoto, Yoshio; and Yamazaki, Kaoru, 4,799,266, Cl. 381-193.000.
Takeda, Tamio; and Take, Minoru, 4,798,087, Cl. 73-649.000.
Yamada, Tuneo; and Shinoki, Yuta, 4,833,545, Cl. 358-282.000.
Yamada, Yuji, 4,808,998, Cl. 341-118.000.
Kabushiki Kaisha Kiso Seisakusho: *See—*
Kiso, Eijiro, 4,848,036, Cl. 51-96.000.
Kabushiki Kaisha Kito: *See—*
Kojima, Yasuhiro, 4,844,421, Cl. 254-270.000.
Kabushiki Kaisha Kobe Seiko Sho: *See—*
Amano, Itaru; Fujieda, Yasuhiko; and Ureshino, Kashiro, 4,822,266, Cl. 425-34.100.
Asai, Toshihiro; and Hagiwara, Katsunobu, 4,859,074, Cl. 366-97.000.
Fujieda, Yasuhiko; Amano, Itaru; and Kanzawa, Masahide, 4,799,871, Cl. 425-38.000.
Fujieda, Yasuhiko; and Ichikawa, Katsumi, 4,804,318, Cl. 425-34.100.
Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.
Fukuzuka, Toshio; Shimogori, Kazutoshi; Torii, Yasushi; Kitahata, Kohjiro; and Hosoda, Takuo, 4,851,054, Cl. 148-12.00F.
Hamada, Yoshihiro; Nakagawa, Kazuhiko; Hagiwara, Katunobu; Noda, Takeoki; and Asada, Miturori, 4,859,166, Cl. 425-204.000.
Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.
Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Mitsuo; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, 4,806,307, Cl. 420-528.000.
Homma, Masahiro; Maruyama Tokuji; Okada, Masashi; and Hida, Yukio, 4,877,941, Cl. 219-130.210.
Ichikawa, Katsumi; and Sakon, Touhachiro, 4,834,636, Cl. 425-38.000.
Ichikawa, Katumi; Amano, Itaru; Hujieda, Yasuhiko; Misumi, Shikao; Hukumura, Seisuke; and Miyauchi, Hideo, 4,874,303, Cl. 425-28.100.
Ichikawa, Makoto; Takahashi, Kaneo; Tokomoto, Mitsuo; Zaita, Hironori; Kooyama, Kazunori; Ureshino, Kashiro; and Yoshida, Katsuhiko, 4,813,313, Cl. 82-128.000.
Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Kozo; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, 4,873,070, Cl. 423-345.000.
Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, 4,855,106, Cl. 420-109.000.
Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi; Gotoh, Tetsuya; and Horiguchi, Shiro, 4,839,005, Cl. 204-129.460.
Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,800,744, Cl. 72-342.000.
Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,801,106, Cl. 242-159.000.
Kawasaki, Eiichiro; Kitagawa, Masao; Okabe, Hidemi; Tabata, Masaru; and Yamada, Minoru, 4,869,367, Cl. 206-409.000.
Kokubo, Ichiro; Kourida, Kazuhiko; Hashimoto, Shunichi; Mimura, Kazuhiro; and Shibata, Zenichi, 4,880,480, Cl. 148-320.000.
Kubo, Kazuo; Tsuboi, Noboru; Nishitani, Kunihiko; and Nomura, Ituro, 4,812,110, Cl. 418-1.000.
Kubo, Kazuo; Nomura, Itsuro; Nishitani, Kunihiko; and Tsuboi, Noboru, 4,826,412, Cl. 418-180.000.
Kuriyama, Akimasa, 4,824,259, Cl. 366-349.000.
Manabe, Chitaka, 4,815,098, Cl. 374-130.000.
Miyafuji, Motohisa; and Hosokawa, Isao, 4,822,562, Cl. 420-472.000.
Murata, Hiroyuki; Chiji, Masahiro; Tanaka, Takeshi; Kuwahara, Tadao; Kiuchi, Harunaga; and Cho, Masamichi, 4,834,298, Cl. 241-5.000.
Murata, Hiroyuki; Tanaka, Takeshi; Hino, Chouji; Kiuchi, Harunaga; and Chiji, Masahiro, 4,871,119, Cl. 241-189.00R.
Nasu, Shoji; Nishimoto, Yoshiro; Yasukuni, Hiroaki; and Iwasaki, Masayoshi, 4,823,082, Cl. 324-232.000.
Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.
Nishitani, Kunihiko; and Tsuboi, Noboru, 4,808,095, Cl. 418-15.000.
Obata, Mitsuyoshi, 4,846,017, Cl. 74-789.000.
Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.
Saeki, Chikara; and Nishibe, Minoru, 4,876,869, Cl. 72-68.000.
Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.
Shimogori, Kazutoshi; Fujiwara, Kazuo; Sugie, Kiyoshi; Morita, Kikuo; Nakayama, Takenori; Miyakawa, Mutsuhiro; and Torii, Yasushi, 4,820,486, Cl. 420-108.000.
Tani, Yoshio; Takata, Susumu; and Kamei, Kazuo, 4,804,585, Cl. 428-574.000.
Uesugi, Kenichi, 4,860,212, Cl. 364-472.000.
Wakabayashi, Minoru; Murata, Hiroyuki; Sugino, Yasuo; Yamao, Masanobu; and Nishikawa, Takao, 4,872,972, Cl. 209-143.000.
Wakihira, Koichiro; Katsuta, Michitaka; Hino, Masayasu; and Sasayama, Toshio, 4,878,788, Cl. 408-230.000.
Yoshikawa, Katsuyuki; Inoue, Hidetoshi; Shiomi, Tsukasa; Oie, Shojiro; and Abe, Mutsumi, 4,822,414, Cl. 75-249.000.
Kabushiki Kaisha Kodera Denshi Seisakusho: *See—*
Kodera, Hiroji, 4,802,512, Cl. 140-149.000.
Kodera, Hiroji, 4,827,592, Cl. 29-426.400.
Kabushiki Kaisha Komatsu Seisakusho: *See—*
Abe, Tsutomu; and Miyashita, Hiromichi, 4,858,345, Cl. 37-118.00R.
Akiyama, Teruo; and Morita, Koichi, 4,813,518, Cl. 188-170.000.
Asayama, Yoshio; Tsubota, Makio; Takitani, Yukitaka; and Okura, Yasunori, 4,836,057, Cl. 74-867.000.
Baba, Kiyokazu, 4,804,080, Cl. 198-621.000.
Baba, Kiyokazu, 4,838,538, Cl. 271-238.000.
Ejima, Kikuo; and Amamiya, Hisao, 4,794,955, Cl. 138-30.000.
Fukada, Masao, 4,846,606, Cl. 405-144.000.
Fukuda, Masao, 4,800,660, Cl. 37-118.00A.
Fukumoto, Takefumi, 4,864,746, Cl. 37-103.000.
Itow, Koichiro, 4,811,712, Cl. 123-399.000.
Jindai, Hideo; Bando, Keiji; Yoshida, Masakazu; and Yamada, Hideki, 4,889,466, Cl. 414-694.000.
Kajiyama, Koichi; Saito, Kaoru; Nozue, Yasuhiro; Ito, Noritoshi; Wakabayashi, Osamu; Fujimoto, Junichi; Kowaka, Masahiko; and Itakura, Yasao, 4,829,536, Cl. 372-57.000.
Kaneko, Kiyoshi; and Kato, Yoshiaki, 4,854,194, Cl. 74-866.000.
Kato, Takeo; Kobayashi, Shingo; Takagi, Kazuo; Watanabe, Masahiro; and Kaneko, Kiyoshi, 4,881,173, Cl. 364-431.070.
Kubota, Yasuhiko; and Tate, Shigeyuki, 4,836,165, Cl. 123-357.000.

Matsuda, Kazuo; Inaba, Nobuaki; Kaminishi, Masashi; Funabashi, Tetsuji; and Tanaka, Nobukazu, 4,846,651, Cl. 425-145.000.
Matsuda, Tomoo; Hosoi, Mitsuo; Nishi, Yohkichi; and Yoshikawa, Eiji, 4,866,617, Cl. 364-424.020.
Nagai, Takao, 4,838,375, Cl. 180-142.000.
Nozue, Yasuhiro; Kajiyama, Koichi; Saito, Kaoru; Wakabayashi, Osamu; Kowaka, Masahiko; and Itakura, Yasuo, 4,856,018, Cl. 372-98.000.
Oguri, Hideo, 4,889,080, Cl. 123-41.82R.
Ono, Toyoichi; Ono, Yoshihisa; Ichimura, Yasuhiko; and Sakanishi, Shoichi, 4,818,107, Cl. 356-375.000.
Onuki, Toru; Sagawa, Junichi; Watanabe, Tamotsu; and Yoshimitsu, Toshio, 4,876,158, Cl. 428-565.000.
Suzuki, Toru; Kato, Atsuhiko; Hosoi, Mitsuo; and Nakano, Ichiro, 4,862,047, Cl. 318-587.000.
Tanaka, Toshihiro; and Yamashita, Hiateru, 4,819,786, Cl. 198-621.000.
Watanabe, Yuji; and Nakamura, Masahiro, 4,876,729, Cl. 382-22.000.
Yamazaki, Toshihiro; and Minami, Yoshihito, 4,818,026, Cl. 299-56.000.
Kabushiki Kaisha Kosmek: *See—*
Miyata, Ichiro, 4,830,349, Cl. 269-32.000.
Shirakawa, Tsutomu, 4,826,146, Cl. 269-32.000.
Yonezawa, Keitaro, 4,812,109, Cl. 417-401.000.
Yonezawa, Keitaro; and Tsutsui, Yoshimitsu, 4,823,687, Cl. 100-53.000.
Yonezawa, Keitaro; and Miyajima, Masatake, 4,827,839, Cl. 100-53.000.
Yonezawa, Keitaro, 4,850,828, Cl. 417-252.000.
Kabushiki Kaisha Kosumo Keiki: *See—*
Furuse, Akio, 4,811,252, Cl. 364-556.000.
Kabushiki Kaisha Kotobuki: *See—*
Yokoyama, Toshio, 4,854,640, Cl. 297-333.000.
Kabushiki Kaisha Kumagaigumi: *See—*
Yokota, Takayoshi; Horiya, Shigekazu; and Kita, Kenji, 4,848,973, Cl. 405-263.000.
Yokota, Takayoshi; Horiya, Shigekazu; Uno, Sadao; Katayama, Kozo; and Tanabe, Daijiro, 4,856,754, Cl. 249-113.000.
Kabushiki Kaisha Kuwabara Seisakusho: *See—*
Kuwabara, Kenichi; and Miyata, Makoto, 4,887,961, Cl. 431-177.000.
Kabushiki Kaisha Kyoritsu: *See—*
Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,876,952, Cl. 98-121.200.
Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,887,522, Cl. 98-40.200.
Kabushiki Kaisha Kyoto Daiichi Kagaku: *See—*
Inoue, Kazushige; Yamamoto, Hiroshi; Hyodo, Hiroshi; and Kishimoto, Shinichi, 4,876,204, Cl. 436-46.000.
Shigeta, Yukio; Harano, Yutaka; Yamada, Shigeki; and Takahaski, Yoshinori, 4,803,158, Cl. 435-25.000.
Kabushiki Kaisha Machida Seisakujyo: *See—*
Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,836,187, Cl. 128-4.000.
Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,844,052, Cl. 128-4.000.
Kabushiki Kaisha Machida Seisakusho: *See—*
Aoshiro, Hisatake, 4,860,631, Cl. 87-9.000.
Umeda, Hiroyuki, 4,834,069, Cl. 128-4.000.
Watanabe, Yoshio, 4,889,106, Cl. 128-4.000.
Kabushiki Kaisha Machidaseisakujyo: *See—*
Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,836,187, Cl. 128-4.000.
Kabushiki Kaisha Maki Seisakusho: *See—*
Maeda, Hiromu; Haraguchi, Kazuo; and Ohbuchi, Yasutsugu, 4,860,882, Cl. 198-458.000.
Sato, Yasuhiro; and Haraguchi, Kazuo, 4,840,265, Cl. 198-446.000.
Suzuki, Motofumi; and Maeda, Hiromu, 4,825,068, Cl. 250-223.00R.
Kabushiki Kaisha Marukomu: *See—*
Harada, Manabu, 4,878,378, Cl. 73-59.000.
Kabushiki Kaisha Maruzen Shokuhin: *See—*
Ogawa, Ikuzo, 4,844,913, Cl. 426-18.000.
Kabushiki Kaisha Matsui Seisakusho: *See—*
Hanaoka, Kazunari; and Ishii, Hiroshi, 4,850,703, Cl. 366-160.000.
Morimoto, Kiyoshi; Iwamoto, Akikazu; Moriyama, Masuo; and Sonoda, Atsuroh, 4,856,941, Cl. 406-85.000.
Kabushiki Kaisha Matsuyama Seisakusho: *See—*
Niwayama, Toshikazu, 4,836,648, Cl. 350-281.000.
Kabushiki Kaisha MEC Laboratories: *See—*
Asai, Masaki, 4,820,012, Cl. 350-96.230.
Kabushiki Kaisha Meidensha: *See—*
Fujii, Toshinobu; Ando, Yasuo; and Fushimi, Kazuo, 4,824,743, Cl. 429-101.000.
Furukoori, Hitoshi, 4,817,173, Cl. 382-21.000.
Ishizaka, Yuji, 4,798,925, Cl. 219-10.410.
Iwahori, Keisuke; and Fujiu, Masao, 4,824,563, Cl. 210-195.100.
Jinnai, Kenichiro; and Hashimoto, Takafumi, 4,857,419, Cl. 429-13.000.
Nomura, Masakatsu; Suda, Keiko; and Ashikaga, Tadashi, 4,862,343, Cl. 363-41.000.
Ogawa, Hiroshi; and Yoshida, Susumu, 4,884,202, Cl. 364-424.010.
Kabushiki Kaisha Meiki Seisakusho: *See—*
Asai, Ikuo, 4,795,127, Cl. 249-103.000.
Kabushiki Kaisha Midorikawa Kogyo: *See—*
Midorikawa, Shigehisa, 4,815,922, Cl. 414-276.000.
Kabushiki Kaisha Mihama Seisakusho: *See—*
Hama, Taira, 4,813,262, Cl. 72-393.000.
Hama, Taira, 4,831,863, Cl. 72-393.000.
Kabushiki Kaisha Miyanaga: *See—*
Miyanaga, Masaaki, 4,865,246, Cl. 228-152.000.
Kabushiki Kaisha Miyano: *See—*
Hata, Yoshikuni; and Ushigoe, Tomio, 4,827,815, Cl. 82-1.110
Kabushiki Kaisha Mominoki: *See—*
Imai, Kunio, 4,828,859, Cl. 426-302.000.
Kabushiki Kaisha Mori Seiki Seisakusho: *See—*
Yamaguchi, Yoshinori; Nishiyama, Soichi; Maeda, Norihide; an Miyoshi, Masayasu, 4,797,990, Cl. 29-568.000.
Yamaguchi, Yoshinori; Nishiyama, Soichi; Maeda, Norihide; an Miyoshi, Masayasu, 4,797,991, Cl. 29-568.000.
Kabushiki Kaisha Morita Seisakusho: *See—*
Arai, Eiichi; Mori, Keisuke; and Makino, Takao, 4,809,311, C 378-110.000.
Beach, Daryl R.; and Hayashi, Kazuo, 4,836,603, Cl. 297-193.00
Fujimura, Yoshisaburo; Kataoka, Kenzo; Yuha, Akira; an Komori, Hiroshi, 4,826,431, Cl. 433-29.000.
Nagasawa, Akinori, 4,849,859, Cl. 362-32.000.
Nakayama, Shozo; and Madenokoji, Shinichiro, 4,804,329, C 439-20.000.
Kabushiki Kaisha Murakoshi Seiko: *See—*
Masuda, Yoshinori, 4,884,316, Cl. 16-288.000.
Toyama, Hiroaki, 4,873,743, Cl. 16-237.000.
Kabushiki Kaisha Mutec: *See—*
Noguchi, Takeshi, 4,805,292, Cl. 29-445.000.
Kabushiki Kaisha Myotoku: *See—*
Ise, Yoji, 4,861,952, Cl. 200-81.00R.
Ise, Yoji, 4,865,301, Cl. 269-34.000.
Kabushiki Kaisha Myukomu: *See—*
Nishino, Hiroshi, 4,831,648, Cl. 379-95.000.
Kabushiki Kaisha Nagao: *See—*
Nagao, Keisuke, 4,842,566, Cl. 446-345.000.
Kabushiki Kaisha Naitsu: *See—*
Okada, Kohichi; and Takagi, Kazutoshi, 4,810,083, Cl. 351-205.00
Kabushiki Kaisha Naka Gijutsu Kenkyusho: *See—*
Naka, Hiromitsu, 4,843,789, Cl. 52-208.000.
Kabushiki Kaisha Neriki: *See—*
Sakai, Mitsunori, 4,794,949, Cl. 137-557.000.
Kabushiki Kaisha Nichibei: *See—*
Minami, Katsuji; Murata, Shinichi; Tsujimoto, Susumu; Matsuza Yukinori; Yukawa, Shogo; and Osaka, Susumu, 4,856,574, C 160-168.100.
Kabushiki Kaisha Nihon Denzai Kogyo Kenkyusho: *See—*
Matsushita, Akira; and Nakano, Shohkichi, 4,837,556, Cl. 36 310.00R.
Kabushiki Kaisha Nihon Kenko Zoshin Kenkyukai: *See—*
Anzai, Masatsugu; and Imoto, Takeo, 4,846,159, Cl. 128-57.00
Kabushiki Kaisha Nihon M.D.M.: *See—*
Shimazu, Hideaki; Ito, Hiroshi; and Yamakoshi, Kenichi, 4,875,4 Cl. 128-694.000.
Watanabe, Yasuo; Yamakoshi, Kenichi; and Shimazu, Hideak 4,885,002, Cl. 604-9.000.
Kabushiki Kaisha Nippon Coinco: *See—*
Hayashi, Yukichi, 4,809,837, Cl. 194-205.000.
Hayashi, Yukichi, 4,872,541, Cl. 194-217.000.
Kobayashi, Osamu; and Hayashi, Hiroshi, 4,809,966, C 271-181.000.
Kobayashi, Osamu; Hayashi, Hiroshi; and Yamaguchi, Ryo 4,880,096, Cl. 194-206.000.
Kobayashi, Osamu; Furuya, Yonezou; Isida, Takeshi; and Mikam Mitsugu, 4,883,158, Cl. 194-217.000.
Sugimoto, Osamu; and Watabe, Masayuki, 4,803,340, C 235-475.000.
Kabushiki Kaisha Nippon Conlux: *See—*
Hayashi, Yukichi; Furuya, Yonezo; Fukuda, Ichiroh; Akagaw Masaki; and Kobayashi, Osamu, 4,850,469, Cl. 194-318.00
Kobayashi, Osamu; Yukimoto, Koji; and Mikami, Mitsu 4,874,347, Cl. 453-5.000.
Kobayashi, Osamu; and Yukimoto, Koji, 4,878,573, Cl. 194-330.0
Kabushiki Kaisha Nippon IC: *See—*
Kuramochi, Atsuo, 4,794,947, Cl. 137-486.000.
Kabushiki Kaisha Nisshin Seisakusho: *See—*
Nakae, Yoshio; Kinoshita, Akiyo; and Tanaka, Koichi, 4,811,5 Cl. 51-5.00D.
Kabushiki Kaisha Okawara Seisakusho: *See—*
Kishibata, Kazuo; and Sawaguchi, Naozi, 4,834,299, Cl. 241-5.00
Kabushiki Kaisha Osaka Packing Seizosho: *See—*
Takahashi, Akira; Shibahara, Kazuo; Morimoto, Ka Samma, Hiromasa; and Kubo, Kazuhiko, 4,853,351, C 501-87.000.
Kabushiki Kaisha P C Planning: *See—*
Nakazawa, Masahiro, 4,884,837, Cl. 294-158.000.
Kabushiki Kaisha Patine Shokai: *See—*
Ohashi, Kazuo, 4,880,051, Cl. 165-45.000.
Kabushiki Kaisha Polyurethan Engineering: *See—*
Toda, Kenichi; and Hori, Tetsuhiro, 4,862,729, Cl. 73-19.00
Kabushiki Kaisha Polyurethane Engineering: *See—*
Toda, Kenichi; and Hori, Tetsuhiro, 4,876,071, Cl. 422-133.00
Kabushiki Kaisha Risuron: *See—*
Yamanaka, Minoru; and Amawa, Tetsuo, 4,859,516, Cl. 428-92.00
Kabushiki Kaisha Saito Hyakkaten: *See—*
Iwasaki, Yoshihiko; and Noguchi, Toyosaburo, 4,857,350, C 426-506.000.

Kabushiki Kaisha Sanko Vinyl Kogyosho: *See—*
Fukuichi, Miwa, 4,823,417, Cl. 5-455.000.
Kabushiki Kaisha Sankodo: *See—*
Kobayashi, Hiroshi, 4,795,204, Cl. 294-156.000.
Kabushiki Kaisha Sankyo Seiki Seisakusho: *See—*
Itoh, Mamoru, deceased; and Miyazawa, Yukimori, 4,849,588, Cl. 200-38.00R.
Kamijo, Masao, 4,819,891, Cl. 242-201.000.
Komatsu, Fumito; Oguchi, Yuzo; Toyama, Akiyoshi; and Iwanami, Kiyoharu, 4,802,040, Cl. 360-78.040.
Kado, Yasuhito; and Otsubo, Tsuneyuki, 4,810,997, Cl. 340-384.00E.
Saito, Kazuharu; Hiraguri, Masao; Yamada, Sadao; and Shiozawa, Junichi, 4,887,345, Cl. 29-568.000.
Shirotori, Yozo, 4,818,907, Cl. 310-67.00R.
Shirotori, Yozo, 4,882,643, Cl. 360-99.080.
Kabushiki Kaisha Sankyo Seiko Seisakusho: *See—*
Komatsu, Fumito; Tezuka, Tuneo; Toyama, Akiyoshi; and Iwanami, Kiyoharu, 4,796,120, Cl. 360-96.500.
Kabushiki Kaisha Sanwa Kagaku Kenkyusho: *See—*
Shigeta, Yukio; Harano, Yutaka; Yamada, Shigeki; and Takahaski, Yoshinori, 4,803,158, Cl. 435-25.000.
Kabushiki Kaisha Sato: *See—*
Minamihara, Makoto; and Sekine, Tatsuo, 4,836,873, Cl. 156-157.000.
Murata, Shinsuke, 4,871,269, Cl. 400-88.000.
Sato, Yo; and Kashiwaba, Tadao, 4,820,064, Cl. 400-120.000.
Sato, Yo; and Kashiwaba, Tadao, 4,830,522, Cl. 400-120.000.
Yokota, Yuji, 4,819,011, Cl. 346-76.0PH.
Kabushiki Kaisha Sebun Shiizu: *See—*
Yamaguchi, Takashi, 4,854,064, Cl. 40-630.000.
Kabushiki Kaisha Seibu Giken: *See—*
Kuma, Toumi; and Okano, Hiroshi, 4,871,607, Cl. 428-186.000.
Kuma, Toumi; and Okano, Hiroshi, 4,886,769, Cl. 502-62.000.
Kabushiki Kaisha Seidenko: *See—*
Koshimura, Katsumi; and Koike, Akio, 4,860,369, Cl. 381-188.000.
Kabushiki Kaisha Seiko Epson: *See—*
Minowa, Masahiro, 4,844,632, Cl. 400-120.000.
Kabushiki Kaisha Serutekuno: *See—*
Ito, Hiroo, 4,877,814, Cl. 521-79.000.
Kabushiki Kaisha SG: *See—*
Ichikawa, Wataru; and Matsuki, Yuji, 4,879,555, Cl. 341-13.000.
Shimizu, Wataru; Yuasa, Yasuhiro; and Matsuki, Yuuji, 4,804,913, Cl. 324-208.000.
Yuasa, Yasuhiro; and Ito, Minoru, 4,831,318, Cl. 318-626.000.
Kabushiki Kaisha Shinkawa: *See—*
Sasaki, Yasunobu; Kato, Motohiko; Bando, Akio; Ishida, Hisao; and Nishimura, Akihiro, 4,887,758, Cl. 228-5.100.
Kabushiki Kaisha Shinsangyokaihatsu: *See—*
Katsuo, Suzuki, 4,873,526, Cl. 342-359.000.
Kawamoto, Mutumi; Yamada, Takashi; and Tatuta, Mitugu, 4,866,625, Cl. 364-426.020.
Nomura, Mitsuhiro; and Yokoyama, Shoji, 4,882,696, Cl. 364-449.000.
Suzuki, Katsuo; and Umebayashi, Kazuyuki, 4,852,147, Cl. 379-58.000.
Kabushiki Kaisha Shinsei Industries: *See—*
Wada, Tadafuto; and Fujita, Mituo, 4,826,558, Cl. 156-384.000.
Kabushiki Kaisha Showa Seimitsu Seitaiki Seisakusho: *See—*
Ohuchi, Yoshio, 4,846,779, Cl. 493-232.000.
Kabushiki Kaisha Showa Seisakusho: *See—*
Ito, Hidekuni; and Kondo, Heihati, 4,819,773, Cl. 188-322.150.
Nakazato, Kazuo, 4,809,828, Cl. 188-322.150.
Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.
Kabushiki Kaisha Sigma: *See—*
Nakamura, Shunichi; Iimura, Kouichi; Nakamura, Kikuo; and Ozawa, Susumu, 4,840,290, Cl. 221-10.000.
Kabushiki Kaisha Sokensha: *See—*
Ogawa, Ikuzo, 4,844,913, Cl. 426-18.000.
Kabushiki Kaisha Sugino Machine: *See—*
Nagata, Yukiaki, 4,811,902, Cl. 239-240.000.
Kabushiki Kaisha Suwa Seikosha: *See—*
Ozawa, Masaki; Hosaka, Toshiyuki; and Yoshizawa, Masayuki, 4,838,707, Cl. 374-171.000.
Kabushiki Kaisha Taihei Seisakusho: *See—*
Suzuki, Hiromi; Suzuki, Eiiti; and Mizuno, Isao, 4,845,900, Cl. 51-285.000.
Kabushiki Kaisha Takenata Komuten: *See—*
Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Tsuji, Toshihide; Miyazaki, Kensuke; and Koyama, Yoshio, 4,801,090, Cl. 239-290.000.
Kabushiki Kaisha Tamura Seisakusho: *See—*
Masuda, Tsugunori; Kuranari, Shinsaku; and Fukuhara, Yu, 4,846,390, Cl. 228-47.000.
Kabushiki Kaisha Teisan Industries: *See—*
Ban, Keisuke; Sato, Masakazu; Fujito, Bakugo; and Kikuchi, Kousuke, 4,884,621, Cl. 164-4.100.
Kikuchi, Kosuke, 4,844,146, Cl. 164-154.000.
Sato, Masakazu; Ban, Keisuke; Fujito, Bakugo; and Konishi, Michio, 4,846,252, Cl. 164-120.000.
Kabushiki Kaisha Tiger Machine Seisakusho: *See—*
Kitahara, Tetsugoro, 4,795,334, Cl. 425-88.000.
Kabushiki Kaisha Tiyoda Seisakusho: *See—*
Takeuchi, Toshiyasu, 4,805,651, Cl. 134-98.000.
Toya, Matsumi, 4,853,188, Cl. 422-104.000.
Yoshiyama, Eiichi, 4,834,943, Cl. 422-62.000.
Kabushiki Kaisha Togo Seisakusho: *See—*
Kato, Yoshinori; Nakanishi, Mitsuaki; Fujita, Yasushi; and Takagi, Nobuo, 4,858,279, Cl. 24-20.00R.
Kabushiki Kaisha Tohken: *See—*
Kashi, Motofumi; and Shimoe, Hiroaki, 4,797,738, Cl. 358-101.000.
Kabushiki Kaisha Tokai Denki Seisakusho: *See—*
Ohta, Takashi; and Suzuki, Akira, 4,868,353, Cl. 200-5.00B.
Kabushiki Kaisha Tokai Rika: *See—*
Shirai, Noboru; and Isogai, Toshiyuki, 4,826,253, Cl. 301-37.0PB.
Kabushiki Kaisha Tokai Rika Denki Seisakusho: *See—*
Ando, Takayuki; Ishiguro, Kazuyoshi; Matsui, Kenji; Yamashita, Tatsuo; and Kondo, Toshikatsu, 4,878,692, Cl. 280-804.000.
Asagiri, Katsuki; Nishimura, Yuji; Kawaharazaki, Takashi; and Yoshitsugu, Noritada, 4,850,610, Cl. 280-804.000.
Demura, Hiroshi; Kawahashi, Akira; Hayashi, Kazumi; and Kokubu, Sadao, 4,799,769, Cl. 350-331.00R.
Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, 4,820,022, Cl. 350-331.00R.
Furuhashi, Kenshi; Ito, Hiroyasu; and Enari, Nobuyuki, 4,855,542, Cl. 200-61.270.
Hanaki, Akira, 4,814,743, Cl. 200-61.390.
Hirose, Hisashi; Ohta, Takanori; Hara, Shigeo; and Iwata, Kazuo, 4,831,349, Cl. 335-186.000.
Izawa, Minoru; Hamamoto, Tadanao; Ishikawa, Masaru; Dohke, Harumi; and Nakano, Tasuku, 4,890,037, Cl. 315-77.000.
Kagami, Yukio; and Yamamoto, Toshimasa, 4,834,208, Cl. 180-268.000.
Kano, Yukio; Yoshikawa, Kuniyuki; Kishida, Hideaki; Ito, Hiroshi; and Maeda, Mitsutoshi, 4,839,525, Cl. 250-560.000.
Kawase, Toshihiro; and Sano, Sachiya, 4,870,229, Cl. 200-5.00B.
Kawase, Toshihiro; and Sano, Sachiya, 4,877,931, Cl. 200-308.000.
Kitazawa, Yasuho; and Ishiguro, Kazuyoshi, 4,885,825, Cl. 24-639.000.
Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, 4,880,092, Cl. 192-4.00A.
Kokubu, Sadao, 4,829,192, Cl. 250-551.000.
Kokubu, Sadao, 4,833,540, Cl. 358-225.000.
Kokubu, Sadao, 4,844,138, Cl. 152-417.000.
Kokubu, Sadao, 4,871,909, Cl. 250-229.000.
Kubota, Kazuhisa; Hirose, Hisashi; Sakakibara, Takao; Miyake, Yasuo; and Mizutani, Sinzi, 4,806,809, Cl. 310-75.00D.
Matsui, Kenji; Yamashita, Tatsuo; Tanaka, Hideki; and Sakakura, Kouji, 4,846,497, Cl. 280-804.000.
Mori, Shinji, 4,844,374, Cl. 242-107.40A.
Nishimura, Yuji, 4,852,908, Cl. 280-804.000.
Nishimura, Yuji; Kawaharazaki, Takashi; Tamura, Keiichi; Matsui, Kenji; Watanabe, Yasutaka; and Yoshitsugu, Noritada, 4,858,953, Cl. 280-807.000.
Nishimura, Yuji, 4,880,252, Cl. 280-804.000.
Ogasawara, Morihiko, 4,826,305, Cl. 350-631.000.
Ohta, Takashi, 4,855,540, Cl. 200-5.00E.
Sato, Koki; and Mori, Shinji, 4,869,439, Cl. 242-107.40R.
Sato, Koki, 4,887,842, Cl. 280-730.000.
Shinto, Hiroaki; Nakamura, Syuji; Yamaguchi, Terumoto; and Oguri, Tomiji, 4,829,848, Cl. 74-552.000.
Suzuki, Masaru, 4,800,244, Cl. 200-306.000.
Suzuki, Masaru, 4,867,688, Cl. 439-15.000.
Suzuki, Masaru, 4,875,860, Cl. 439-15.000.
Suzuki, Masaru, 4,876,493, Cl. 318-293.000.
Suzuki, Masaru, 4,888,456, Cl. 200-61.270.
Yamashita, Tatsuo; and Ishiguro, Kazuyoshi, 4,840,401, Cl. 280-804.000.
Yukitomo, Kazuo; Anan, Yoshiaki; Hattori, Masaichi; Arakawa, Kaneyasu; Hanaki, Akira; and Kihira, Koichi, 4,801,770, Cl. 200-61.270.
Kabushiki Kaisha Tokoyo Kikai Seisakusho: *See—*
Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki 4,812,198, Cl. 156-497.000.
Kabushiki Kaisha Tokyo Keiki: *See—*
Masuzawa, Isao; Miyayama, Toshio; Nakayama, Mitsuo; and Nishimura, Koichi, 4,811,679, Cl. 114-144.0RE.
Kabushiki Kaisha Tokyo Kikai Seisakusho: *See—*
Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki, 4,812,198, Cl. 156-497.000.
Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki, 4,830,304, Cl. 242-67.200.
Miyoshi, Masahiko; and Sato, Masayoshi, 4,838,164, Cl. 101-365.000.
Watanabe, Takemi; and Shiba, Noriyuki, 4,821,971, Cl. 242-55.000.
Kabushiki Kaisha Toritsu Industry: *See—*
Tajima, Masao, 4,833,206, Cl. 525-187.000.
Tajima, Masao, 4,839,429, Cl. 525-232.000.
Kabushiki Kaisha Toshiba: *See—*
Abe, Masahiro; and Mase, Yasukazu, 4,857,141, Cl. 156-644.000.
Abiko, Takashi, 4,835,757, Cl. 369-54.000.
Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, 4,814,823, Cl. 355-14.00D.
Abuyama, Yasuo; and Someya, Akihiko, 4,831,462, Cl. 358-298.000.
Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, 4,857,954, Cl. 355-245.000.
Abuyama, Yasuo, 4,888,650, Cl. 358-451.000.

Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, 4,866,670, Cl. 364-900.000.
Adachi, Takesi, 4,814,874, Cl. 358-140.000.
Akagi, Junko, 4,839,612, Cl. 330-302.000.
Akai, Yoshimi, 4,845,363, Cl. 250-368.000.
Aketagawa, Tokio; and Shimano, Osamu, 4,797,732, Cl. 358-28.000.
Ando, Hideo, 4,797,868, Cl. 369-44.000.
Ando, Hideo, 4,804,835, Cl. 250-201.000.
Ando, Hideo, 4,825,064, Cl. 250-205.000.
Ando, Hideo, 4,857,719, Cl. 250-201.000.
Ando, Hideo, 4,890,272, Cl. 369-45.000.
Andoh, Junichi; and Endo, Yukio, 4,823,191, Cl. 358-213.310.
Andow, Fumio, 4,803,635, Cl. 364-483.000.
Andow, Fumio; and Suga, Noriyoshi, 4,825,326, Cl. 361-63.000.
Aono, Akira; and Isobe, Mitsuo, 4,858,197, Cl. 365-233.500.
Aoyama, Michishige, 4,836,683, Cl. 366-98.000.
Arabori, Yoshinari; and Sumida, Shigekazu, 4,870,254, Cl. 219-400.000.
Arii, Michio; Kamataki, Yoshihisa; Hino, Shirou; and Matsui, Shoji, 4,854,121, Cl. 60-39.182.
Ariizumi, Shoji; Iwase, Taira; and Masuoka, Fujio, 4,855,248, Cl. 437-49.000.
Arikado, Tsunetoshi; Sekine, Makoto; Okano, Haruo; and Horiike, Yasuhiro, 4,878,995, Cl. 156-643.000.
Arimura, Yoshiaki, 4,825,070, Cl. 250-231.0SE.
Asahi, Shigeo, 4,835,706, Cl. 364-492.000.
Asano, Masamuchi; and Iwahashi, Hiroshi, 4,805,150, Cl. 365-230.000.
Atsumi, Shigeru; Tanaka, Sumio; Saito, Shinji; and Otsuka, Nobauki, 4,879,689, Cl. 365-201.000.
Awazu, Koichi, 4,841,454, Cl. 364-521.000.
Azukizawa, Teruo; and Morishita, Mimpei, 4,817,533, Cl. 104-289.000.
Azukizawa, Teruo; Morishita, Mimpei; Yokoyama, Toyohiko; Takaki, Shigeo; Yuyama, Yoshio; and Noda, Akitaka, 4,882,999, Cl. 104-281.000.
Azuma, Yoshiyuki, 4,838,050, Cl. 68-12.00R.
Baba, Tatsuro, 4,794,932, Cl. 128-661.090.
Baldwin, David R.; and Sata, Shingo, 4,797,755, Cl. 360-49.000.
Baldwin, David R.; and Thiel, Geoffrey L., 4,827,413, Cl. 364-413.190.
Ban, Yasuomi, 4,847,131, Cl. 428-43.000.
Denpou, Kazuo, 4,858,443, Cl. 62-126.000.
Dobashi, Yoshitomi; and Inoue, Akihiro, 4,871,941, Cl. 313-485.000.
Dobashi, Yoshitomi; and Inoue, Akihiro, 4,887,002, Cl. 313-607.000.
Doke, Hiroshi; Tuboi, Naruyoshi; Sasaki, Yoshihisa; and Ozawa, Shigeo, 4,795,025, Cl. 198-763.000.
Egawa, Hidemitsu; Aoki, Riichirou; and Okumura, Katsuya, 4,875,088, Cl. 357-67.000.
Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,819,019, Cl. 355-3.00R.
Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,876,560, Cl. 346-153.100.
Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,885,596, Cl. 346-157.000.
Egawa, Jiro; and Ide, Naoaki, 4,890,[illegible]5, Cl. 346-160.000.
Egi, Hiroshi; and Komori, Toshiyuki, 4,835,525, Cl. 340-578.000.
Eguchi, Kazutoshi, 4,849,881, Cl. 364-200.000.
Eguchi, Toyokazu, 4,881,272, Cl. 455-143.000.
Ema, Takehiro, 4,802,093, Cl. 364-413.230.
Ema, Takehiro, 4,837,796, Cl. 378-154.000.
Emoto, Takao, 4,862,344, Cl. 363-147.000.
Endo, Yukio; and Harada, Nozomu, 4,875,101, Cl. 358-213.190.
Enjoji, Susumu; Kikuchi, Yushichi; and Hara, Kiyoshi, 4,807,634, Cl. 128-660.010.
Fujikake, Yoichi; Sugimoto, Takao; Tamaki, Kiyohide; and Udagawa, Yoshio, 4,821,575, Cl. 73-626.000.
Fujioka, Arisa; and Kageyama, Satoshi, 4,813,004, Cl. 364-567.000.
Fujioka, Toshiyuki; Kusunoki, Masahiro; and Osafune, Koji, 4,803,571, Cl. 360-63.000.
Fujioka, Toshiyuki, 4,849,840, Cl. 360-104.000.
Fujiwara, Takayoshi; Iida, Toshikatsu; and Fukuda, Tetuo, 4,802,827, Cl. 417-356.000.
Fukasawa, Yoshiharu; Kawai, Mituo; Ishihara, Hideo; and Yamanobe, Takashi, 4,842,706, Cl. 204-298.000.
Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.
Furuhashi, Takeshi; and Kamei, Yoshio, 4,797,801, Cl. 363-43.000.
Furuhashi, Takeshi, 4,853,835, Cl. 363-58.000.
Furuhashi, Takeshi, 4,853,836, Cl. 363-58.000.
Furukawa, Hiroshi, 4,808,957, Cl. 335-301.000.
Furukawa, Osamu; Harata, Mitsuo; Yasumoto, Takaaki; and Imai, Motomasa, 4,882,652, Cl. 361-321.000.
Furuya, Akihiko; Kanamaru, Kouiti; and Inoue, Junichi, 4,835,686, Cl. 364-200.000.
Furuyama, Hideto; and Kurobe, Atsushi, 4,810,670, Cl. 437-129.000.
Furuyama, Tohru, 4,841,483, Cl. 365-189.070.
Fuse, Tsuneaki, 4,831,597, Cl. 365-233.000.
Futaki, Kenji, 4,816,922, Cl. 358-285.000.
Futamata, Shinichiro, 4,883,960, Cl. 250-327.200.
Gemma, Nobuhiro; Miura, Akira; Mizushima, Koichi; Azuma, Makoto; and Mori, Yasushi, 4,871,236, Cl. 350-355.000.
Goto, Hiroshige, 4,859,624, Cl. 437-53.000.
Goto, Yasuhiro; Yonezawa, Takeyuki; and Ohnuma, Yoshiyu 4,886,767, Cl. 501-97.000.
Habara, Atsushi, 4,858,151, Cl. 364-527.000.
Hagino, Hideyuki; and Kusano, Takahiro, 4,841,179, C 307-520.000.
Hagino, Hideyuki; and Kusano, Takahiro, 4,851,718, C 307-520.000.
Hamasaki, Toshihiko, 4,830,972, Cl. 437-31.000.
Hanada, Masayuki, 4,864,533, Cl. 364-900.000.
Hanawa, Masatoshi, 4,799,012, Cl. 324-309.000.
Hanawa, Masatoshi; and Hayakawa, Hiroshi, 4,806,867, C 324-314.000.
Hanawa, Masatoshi, 4,887,035, Cl. 324-309.000.
Hara, Hiroyuki; and Sugimoto, Yasuhiro, 4,831,579, C 364-784.000.
Hara, Hiroyuki; and Sugimoto, Yasuhiro, 4,839,609, C 330-253.000.
Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Ta Kazuyuki; Huse, Syoji; and Ono, Koji, 4,875,231, Cl. 379-41.0
Haragashira, Motoji, 4,882,541, Cl. 324-322.000.
Haragashira, Motoji, 4,890,062, Cl. 324-322.000.
Haragashira, Motoji, 4,890,063, Cl. 324-322.000.
Harris, Lowell D.; and Smith, Charles R., 4,809,065, Cl. 358-88.0
Haruyama, Hideaki; and Kobayashi, Hiroshi, 4,811,334, C 370-85.000.
Hasegawa, Iwao, 4,802,209, Cl. 379-217.000.
Hashimoto, Kiyoshi; Kimura, Kazuhisa; and Hatakeyama, Takas 4,803,502, Cl. 346-140.00R.
Hashimoto, Yasuichi, 4,885,645, Cl. 360-45.000.
Hatanaka, Masahiko, 4,799,013, Cl. 324-312.000.
Hayakawa, Shigeyuki; Isobe, Mitsuo; and Ohtani, Takayu 4,882,708, Cl. 365-189.040.
Hayami, Toshitomo; Shibata, Humio; Iguchi, Katsumi; Inoue, Hisao; Ono, Takashi; and Ishimoto, Takashi, 4,859,251, C 148-286.000.
Hayase, Shizu; Horiguchi, Rumiko; Onishi, Yasunobu; and Ushirogouchi, Toru, 4,871,646, Cl. 430-192.000.
Hayase, Shuzi; Onishi, Yasunobu; and Horiguchi, Rumi 4,828,958, Cl. 430-175.000.
Hayase, Shuzi; Onishi, Yasunobu; Suzuki, Shuichi; and Wada, Moriyasu, 4,835,193, Cl. 522-15.000.
Hayashi, Yasushi, 4,816,925, Cl. 358-342.000.
Higa, Osamu; and Hirose, Syunichi, 4,795,914, Cl. 307-64.0
Higashinakagawa, Emiko; Inaba, Michihiko; Ohtake, Yasuhisa; and Kanto, Masaharu, 4,827,178, Cl. 313-402.000.
Higashinakagawa, Emiko; Ohtake, Yasuhisa; Kanto, Masaharu; and Mori, Fumio, 4,846,747, Cl. 445-47.000.
Hirabayashi, Kanji, 4,802,163, Cl. 371-15.000.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, Toshikazu, 4,884,080, Cl. 346-46.000.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; and Kanai, Tsutomu, 4,890,121, C 346-76.0PH.
Hiraoka, Katsumi, 4,870,600, Cl. 364-522.000.
Hirasawa, Yutaka, 4,887,075, Cl. 340-825.030.
Hirata, Yoshihiro, 4,856,052, Cl. 379-100.000.
Hiratsuka, Hachiro; Matsushita, Yoshiaki; and Yoshii, Shinz 4,837,610, Cl. 357-52.000.
Hirokawa, Katsuhisa; and Iijima, Yasuo, 4,827,512, Cl. 380-23.
Hirokawa, Katsuhisa; and Ohba, Hiroshi, 4,855,578, C 235-380.000.
Hiroki, Hisayuki; Ariga, Yoshio; and Watanabe, Hajime, 4,856,7 Cl. 271-186.000.
Hiroki, Masashi; and Shibuya, Kunihiro, 4,868,672, Cl. 358-404.0
Hitomi, Hisakazu, 4,851,719, Cl. 307-521.000.
Hitomi, Hisakazu, 4,855,627, Cl. 307-520.000.
Hiwatashi, Tamotsu, 4,823,276, Cl. 364-491.000.
Homma, Toru, 4,872,036, Cl. 355-253.000.
Hopkinson, James F.; Nambu, Kyojiro; and Sivers, E. Am 4,809,172, Cl. 364-413.160.
Hori, Chikahiro, 4,833,643, Cl. 365-49.000.
Hori, Chikahiro, 4,853,892, Cl. 365-49.000.
Hori, Kouhei, 4,864,893, Cl. 74-756.000.
Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshi Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsug Akihiko, 4,847,221, Cl. 501-98.000.
Horiguchi, Fumio; Itoh, Yasuo; Ogura, Mitsugi; and Momos Masaki, 4,799,193, Cl. 365-149.000.
Hoshi, Takao; and Morita, Keiichi, 4,869,074, Cl. 62-238.70
Hosoi, Sugao; and Akutsu, Hiromichi, 4,834,071, Cl. 128-6.0
Hosoya, Masahiro; Fujiwara, Shigeru; and Uehara, Tsuto 4,866,480, Cl. 355-245.000.
Hughes, Simon H. C., 4,831,329, Cl. 324-309.000.
Ichihara, Issey; and Toshimitsu, Kenshi, 4,832,233, Cl. 222-201.0
Ichihara, Issey; Toshimitsu, Kenshi; and Tachibana, Nao 4,862,213, Cl. 355-245.000.
Ichihara, Katsutarou; Yasuda, Nobuaki; Terashima, Yoshiaki; and Shimanuki, Senji, 4,832,980, Cl. 427-38.000.
Ichihara, Takashi, 4,864,500, Cl. 364-413.240.
Ichihara, Takashi, 4,866,615, Cl. 364-413.240.

Ichijima, Akira, 4,805,049, Cl. 360-71.000.
Ide, Fumito, 4,835,572, Cl. 355-243.000.
Ide, Yuichi; Nukushina, Harunobu; and Ichien, Naoki, 4,843,384, Cl. 340-825.690.
Iesaka, Mamoru; Matsunaga, Yoshiyuki; Manabe, Sohei; and Harada, Nozomu, 4,807,037, Cl. 358-213.310.
Igarashi, Tetsu, 4,797,813, Cl. 364-200.000.
Iida, Tetsuya, 4,873,525, Cl. 341-145.000.
Iida, Toshikatsu; and Fujiwara, Takayoshi, 4,871,304, Cl. 418-220.000.
Iida, Toshikatsu; Fujiwara, Takayoshi; and Sone, Yoshinori, 4,872,820, Cl. 418-220.000.
Iida, Toshikatsu; Fujiwara, Takayoshi; and Fukuda, Tetsuo, 4,875,842, Cl. 418-220.000.
Iijima, Yasuo, 4,800,520, Cl. 364-900.000.
Iijima, Yasuo, 4,833,595, Cl. 364-200.000.
Iijima, Yasuo, 4,839,792, Cl. 364-200.000.
Iijima, Yasuo, 4,841,131, Cl. 235-380.000.
Iijima, Yasuo, 4,845,717, Cl. 371-60.000.
Iijima, Yasuo, 4,887,234, Cl. 364-900.000.
Iino, Yutaka; and Shigemasa, Takashi, 4,882,526, Cl. 318-561.000.
Iinuma, Kazuhiro, 4,879,464, Cl. 250-361.00R.
Ike, Yujiro; Yonezawa, Akihiro; Ooshima, Shinichi; Kamiya, Akihiro; and Hirose, Yoshio, 4,803,321, Cl. 313-639.000.
Ikeda, Takashi; and Tsunoda, Eiji, 4,884,934, Cl. 411-383.000.
Ikeda, Yoshio; and Torita, Fumio, 4,862,711, Cl. 68-12.00R.
Ikegawa, Sumio; Komatsu, Shuichi; Arai, Shinji; Ashida, Sumio; and Yasuda, Nobuaki, 4,839,861, Cl. 365-113.000.
Ikegawa, Sumio; Hori, Akio; Komatsu, Shuichi; Arai, Shinji; and Yasuda, Nobuaki, 4,855,992, Cl. 369-275.000.
Ikenaga, Osamu; and Watanabe, Susumu, 4,878,177, Cl. 364-489.000.
Ikumi, Nobuyuki, 4,825,401, Cl. 364-760.000.
Ikumi, Nobuyuki, 4,860,242, Cl. 364-768.000.
Imai, Kimimasa; and Shinya, Hiroshi, 4,849,653, Cl. 307-290.000.
Imai, Shin-ichi; and Hosoya, Naoki, 4,800,579, Cl. 377-60.000.
Imai, Shin-ichi; and Sakata, Akira, 4,851,712, Cl. 307-296.100.
Imai, Shin-ichi; and Hosoya, Naoki, 4,890,307, Cl. 377-60.000.
Imamura, Hiroshi; and Nakajima, Junichi, 4,835,440, Cl. 313-492.000.
Imamura, Humihiro; and Hotta, Tomio, 4,876,953, Cl. 99-280.000.
Imamura, Makoto; and Miyamoto, Ryouichi, 4,874,086, Cl. 206-330.000.
Imanishi, Kazuo, 4,821,000, Cl. 330-298.000.
Imanishi, Kazuo, 4,853,648, Cl. 330-273.000.
Inaba, Akira, 4,864,495, Cl. 364-200.000.
Inaba, Katsuharu, 4,798,483, Cl. 400-120.000.
Inokuchi, Haruhisa; and Sakai, Takami, 4,797,799, Cl. 363-37.000.
Inokuchi, Haruhisa, 4,862,340, Cl. 363-35.000.
Inomata, Koichiro; Mizoguchi, Tetsuhiko; Sori, Naoyuki; Yamamiya, Hideki; and Sakai, Isao, 4,827,235, Cl. 335-297.000.
Inoue, Akira, 4,825,365, Cl. 364-413.190.
Inoue, Kazuhiko; and Tomisawa, Yutaka, 4,814,284, Cl. 437-022.000.
Inoue, Kazuhiko; and Suga, Toru, 4,868,920, Cl. 357-22.000.
Inoue, Masatsugu; Tokita, Kiyoshi; Sone, Toshinao; Fujiwara, Takeshi; and Nakane, Kazunori, 4,881,004, Cl. 313-408.000.
Inoue, Masatsugu; Tokita, Kiyoshi; and Nakane, Kazunori, 4,886,997, Cl. 313-406.000.
Inoue, Toshinobu; and Itami, Tsugio, 4,826,408, Cl. 418-60.000.
Inukai, Shinji; Kuno, Nobuyoshi; Takanishi, Hiroyoshi; and Sasaki, Hi[illegible], 4,799,135, Cl. 362-296.000.
Inukai, Shinji; Honda, Kazuo; and Kamiya, Akihiro, 4,827,176, Cl. 313-54.000.
Iseda, Ken, 4,860,029, Cl. 346-76.0PH.
Ishibashi, Masaru; Tsubata, Takeshi; and Sasaki, Kazumi, 4,809,055, Cl. 357-71.000.
Ishida, Akinori; and Itoh, Ayao, 4,803,995, Cl. 128-660.010.
Ishida, Katsuyuki; Torita, Fumio; and Kohsaka, Yoshio, 4,835,994, Cl. 68-174.000.
Ishida, Katsuyuki; Torita, Fumio; and Kohsaka, Yoshio, 4,837,883, Cl. 8-159.000.
Ishigaki, Toshinori, 4,860,377, Cl. 382-59.000.
Ishihara, Ichiro; and Aoyama, Masahide, 4,814,643, Cl. 307-355.000.
Ishihara, Ichiro; and Kanai, Toshio, 4,855,686, Cl. 330-261.000.
Ishii, Hiroshi, 4,835,529, Cl. 340-721.000.
Ishii, Takaaki; and Kuge, Toru, 4,873,714, Cl. 379-88.000.
Ishii, Takashi; Kohama, Hajime; Yabe, Hisao; Yano, Akira; and Noto, Shinsuke, 4,822,662, Cl. 428-131.000.
Ishii, Takashi; Kohama, Hajime; and Yabe, Hisao, 4,853,284, Cl. 428-335.000.
Ishikawa, Masaaki, 4,851,926, Cl. 358-300.000.
Isobe, Mitsuo; and Kimura, Tohru, 4,833,652, Cl. 365-201.000.
Itaya, Keiji; and Tamura, Makoto, 4,870,464, Cl. 355-282.000.
Itaya, Keiji; and Kobayakawa, Hiromasa, 4,876,576, Cl. 355-285.000.
Itoki, Hidetoshi; and Kozasa, Yoshihisa, 4,820,227, Cl. 445-66.000.
Ito, Daisuke, 4,808,954, Cl. 335-216.000.
Ito, Hisashi; and Sonoda, Tomiya, 4,814,928, Cl. 360-135.000.
Ito, Kenji, 4,827,201, Cl. 318-603.000.
Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, 4,857,499, Cl. 502-326.000.
Ito, Susumu, 4,810,847, Cl. 219-10.770.
Ito, Takafumi, 4,831,568, Cl. 364-709.110.
Ito, Takao, 4,810,668, Cl. 437-67.000.
Ito, Takeo; Takeuchi, Hajime; Hashimoto, Minoru; Fukaya, Toshio; and Koishi, Masumi, 4,880,666, Cl. 427-128.000.
Ito, Yasuyuki, 4,839,561, Cl. 315-4.000.
Itoh, Hitoshi, 4,817,558, Cl. 118-725.000.
Itoh, Yasuo; Horiguchi, Fumio; Watanabe, Shigeyoshi; Ohuchi, Kazunori; and Ogura, Mitsugi, 4,800,530, Cl. 365-189.000.
Itou, Hidenori, 4,869,698, Cl. 445-22.000.
Itou, Takeo; Matsuda, Hidemi; Yoshizako, Mamoru; and Yagi, Osamu, 4,873,120, Cl. 427-64.000.
Itou, Yuuzi; and Unno, Hiroaki, 4,868,702, Cl. 361-42.000.
Iwahashi, Hiroshi; and Asano, Masamichi, 4,799,195, Cl. 365-185.000.
Iwahashi, Hiroshi, 4,821,237, Cl. 365-189.000.
Iwahashi, Hiroshi, 4,845,680, Cl. 365-185.000.
Iwai, Isamu; Okamoto, Toshio; and Doi, Miwako, 4,876,665, Cl. 364-900.000.
Iwakoshi, Keiichi, 4,805,597, Cl. 128-4.000.
Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,844,052, Cl. 128-4.000.
Iwamoto, Yoshihiro, 4,802,739, Cl. 350-332.000.
Iwanishi, Masaaki, 4,801,995, Cl. 357-52.000.
Iwao, Toshio, 4,799,151, Cl. 364-200.000.
Iwasaki, Hiroshi, 4,818,720, Cl. 437-58.000.
Iwasaki, Kenji, 4,807,963, Cl. 350-96.240.
Iwasaki, Kenji, 4,851,901, Cl. 358-88.000.
Iwase, Nobuo, 4,797,530, Cl. 219-121.850.
Iyogi, Kiyoshi; Yasumoto, Takaaki; Yanazawa, Toshirou; Iwase, Nobuo; Nakahashi, Masako; and Takeda, Hiromitsu, 4,835,344, Cl. 174-68.500.
Iyogi, Kiyoshi; Yamakawa, Koji; and Iwase, Nobuo, 4,855,251, Cl. 437-183.000.
Izawa, Fumio; and Shinozaki, Masayuki, 4,803,350, Cl. 235-492.000.
Kageyama, Hiroshi, 4,829,182, Cl. 250-327.200.
Kai, Naoyuki, 4,852,066, Cl. 365-230.030.
Kakegawa, Makoto, 4,813,061, Cl. 378-99.000.
Kakumu, Masakazu; and Asami, Tetsuya, 4,800,176, Cl. 437-193.000.
Kakumu, Masakazu, 4,812,889, Cl. 357-42.000.
Kamasaki, Keiji; Dengo, Tadao; Fukuda, Ikuo; and Motojima, Hideaki, 4,796,084, Cl. 357-84.000.
Kamata, Atsushi, 4,868,615, Cl. 357-17.000.
Kameda, Kazuyoshi; Kaji, Koichi; Yahiro, Hiroshi; and Kobayashi, Kenichiro, 4,881,069, Cl. 340-735.000.
Kamemoto, Kazuhiro, 4,800,433, Cl. 358-168.000.
Kamitake, Takashi; Mizutani, Hiroyuki; and Kawamura, Shin-ichi, 4,862,501, Cl. 380-50.000.
Kamiya, Shigeo, 4,807,185, Cl. 364-900.000.
Kamohara, Eiji, 4,870,321, Cl. 313-414.000.
Kamohara, Hisato; Amano, Kagetaka; Horie, Hiromichi; Shimamura, Keizo; and Aisaka, Tatsuyoshi, 4,832,707, Cl. 51-307.000.
Kanayama, Shoichi, 4,871,968, Cl. 324-318.000.
Kanda, Ryoichi; and Sato, Takeshi, 4,844,083, Cl. 128-661.010.
Kaneko, Nagao; Wada, Moriyasu; Saitoh, Shiroh; and Honda, Hiroki, 4,886,068, Cl. 128-660.010.
Kaneko, Tsuneo; and Ezaki, Shiro, 4,830,878, Cl. 427-96.000.
Kaneko, Tsuneo; and Ezaki, Shiro, 4,835,038, Cl. 428-209.000.
Kaneuchi, Kazuo, 4,853,925, Cl. 369-291.000.
Kanuma, Akira; and Yaguchi, Toshiyuki, 4,802,133, Cl. 365-230.000.
Kanuma, Akira, 4,887,267, Cl. 371-22.300.
Kasai, Toshihiro; and Tsujii, Tatsuya, 4,816,869, Cl. 355-4.000.
Kasai, Toshihiro; and Ide, Naoaki, 4,837,600, Cl. 355-208.000.
Kasano, Akira, 4,827,432, Cl. 364-518.000.
Kasano, Akira; and Inoue, Yoichi, 4,837,616, Cl. 358-107.000.
Kasano, Akira, 4,837,841, Cl. 382-18.000.
Kashiwagi, Kazuhiko, 4,840,506, Cl. 400-621.000.
Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, 4,883,780, Cl. 501-96.000.
Kato, Akira; and Yamada, Junichiro, 4,795,859, Cl. 191-4.000.
Kato, Haruo, 4,805,016, Cl. 358-98.000.
Kato, Haruo, 4,805,168, Cl. 370-85.000.
Kato, Haruo; and Saito, Satoshi, 4,827,909, Cl. 128-6.000.
Kato, Hideo; Iwahashi, Hiroshi; Asano, Masamichi; Narita, Akira; and Kikuchi, Shinichi, 4,804,929, Cl. 331-57.000.
Kato, Toshihiro; Shindo, Masamichi; and Fukasawa, Yoshihito, 4,874,956, Cl. 250-560.000.
Katsuie, Masahiro; Abe, Michiyuki; Kawahara, Katsuyuki; and Nakamura, Taizo, 4,856,965, Cl. 417-19.000.
Kawai, Nobuo; and Miwa, Satoshi, 4,869,073, Cl. 62-160.000.
Kawakami, Haruko; Sekizawa, Hidekazu; and Yamamoto, Naofumi, 4,803,496, Cl. 346-76.0PH.
Kawakami, Yoshiyuki, 4,832,515, Cl. 400-124.000.
Kawakatsu, Akira, 4,850,661, Cl. 350-1.600.
Kawakatsu, Akira; Karino, Toshio; and Yuge, Yooji, 4,869,927, Cl. 427-106.000.
Kawamura, Masahiko, 4,881,029, Cl. 324-158.00R.
Kawamura, Shigeharu; Obata, Yoshiharu; Fujimoto, Yuichi; and Kabashima, Kinya, 4,825,067, Cl. 250-213.0VT.
Kawano, Mitsumo, 4,818,903, Cl. 307-521.000.
Kawano, Mitsumo; and Terada, Tadashi, 4,818,952, Cl. 331-108.00R.
Kihara, Jyunichi, 4,797,812, Cl. 364-200.000.
Kikuchi, Katsuya; and Kato, Haruo, 4,819,077, Cl. 358-98.000.

Kikuchi, Katsuya, 4,823,370, Cl. 378-99.000.
Kikuchi, Kiyoji, 4,854,757, Cl. 400-605.000.
Kikuchi, Kiyoshi; and Mori, Akio, 4,819,189, Cl. 364-521.000.
Kimura, Masashi, 4,811,056, Cl. 355-68.000.
Kimura, Mitsutoshi; and Baba, Masaharu, 4,886,961, Cl. 250-205.000.
Kimura, Motohiko, 4,818,175, Cl. 414-730.000.
Kimura, Sakae; Yakabe, Touru; and Kawai, Mituo, 4,820,954, Cl. 313-270.000.
Kimura, Takashi; Kato, Takao; and Endo, Kazuo, 4,879,582, Cl. 357-23.120.
Kimura, Tokunori, 4,835,688, Cl. 364-413.220.
Kinoshita, Junichi; Morinaga, Motoyasu; Furuyama, Hideto; and Hirayama, Yuzo, 4,870,468, Cl. 357-17.000.
Kinoshita, Kiyoshi, 4,812,973, Cl. 364-200.000.
Kinoshita, Kiyoshi, 4,866,597, Cl. 364-200.000.
Kinoshita, Osamu, 4,884,280, Cl. 372-38.000.
Kinoshita, Tsuneo; and Sato, Kazuyuki, 4,839,820, Cl. 364-491.000.
Kinugasa, Masanori; Tanaka, Fuminari; Shigehara, Hiroshi; and Ohta, Hirokata, 4,821,084, Cl. 357-45.000.
Kinugawa, Masaaki, 4,857,986, Cl. 357-42.000.
Kinuno, Masanori; Saito, Hisao; Kousaka, Akira; and Kawaguchi, Toshio, 4,855,645, Cl. 315-39.710.
Kiryu, Masakazu; Koinuma, Hiroyuki; and Suzuki, Kiminobu, 4,833,342, Cl. 307-296.100.
Kitagaki, Kazukuni; and Ohto, Takeshi, 4,858,004, Cl. 358-133.000.
Kitamoto, Manabu, 4,870,831, Cl. 62-84.000.
Kitamoto, Manabu, 4,876,859, Cl. 62-117.000.
Kitaoka, Shuji, 4,829,240, Cl. 324-158.00R.
Kobayashi, Kenichi; Koba, Hiroyuki; and Nakamura, Naoto, 4,818,919, Cl. 315-371.000.
Kobayashi, Tadashi; Suzuki, Katsumi; and Nakamura, Naomasa, 4,803,660, Cl. 365-113.000.
Kobayashi, Tadashi, 4,860,274, Cl. 369-100.000.
Kobori, Hiromichi, 4,868,802, Cl. 369-13.000.
Kodama, Toshikazu; and Sato, Koji, 4,866,325, Cl. 310-313.00B.
Kogure, Mitutosi; Nakamura, Yuka; Tamura, Makoto; and Itaya, Keiji, 4,801,968, Cl. 355-3.0FU.
Kogure, Mitutosi; Nakamura, Yuka; and Tamura, Makoto, 4,813,372, Cl. 118-60.000.
Kohsaka, Yoshiaki, 4,864,200, Cl. 388-812.000.
Kohyama, Mitsuaki; Yoshida, Naruhito; and Takagi, Osamu, 4,836,135, Cl. 118-653.000.
Kohyama, Mitsuaki, 4,841,335, Cl. 355-245.000.
Koike, Norio, 4,857,428, Cl. 430-25.000.
Koizumi, Hisao; and Oishi, Yoshihisa, 4,818,845, Cl. 219-314.000.
Komatsu, Fumio; Miyoshi, Motosuke; and Okumura, Katsuya, 4,807,159, Cl. 364-524.000.
Komatsu, Kenichi; Tawara, Kiyoshi; Nishihara, Eitaro; and Fujimoto, Seiji, 4,817,050, Cl. 364-900.000.
Komatsu, Kenichi, 4,887,139, Cl. 357-30.000.
Komatsu, Shigeru, 4,824,799, Cl. 437-162.000.
Komatsu, Shigeru, 4,879,252, Cl. 437-31.000.
Komatsu, Shigeru, 4,882,290, Cl. 437-31.000.
Komeya, Katsutoshi; Hashimoto, Masahiro; Nishida, Katsutoshi; and Komatsu, Michiyasu, 4,879,263, Cl. 501-97.000.
Kondo, Takashi, 4,855,933, Cl. 364-518.000.
Koshigoe, Shinpei; and Fujiwara, Takeshi, 4,885,505, Cl. 315-3.000.
Koshiyouji, Takashi, 4,879,604, Cl. 358-474.000.
Koyama, Katsuhiko, 4,884,293, Cl. 378-197.000.
Koyama, Mikio; and Tanimoto, Hiroshi, 4,884,036, Cl. 328-167.000.
Kubo, Hiroshi, 4,847,482, Cl. 250-213.0VT.
Kubo, Hiroshi; and Yoshida, Atsuya, 4,880,965, Cl. 250-213.0VT.
Kubo, Masahiro; and Ohtsubo, Yasuo, 4,866,553, Cl. 360-103.000.
Kubo, Susumu, 4,860,207, Cl. 364-424.010.
Kubota, Atsuko; Matsushita, Yoshiaki; and Ohwada, Yoshiaki, 4,862,000, Cl. 250-341.000.
Kubota, Tooru; and Mori, Hiroyuki, 4,873,579, Cl. 358-471.000.
Kubota, Yousuke, 4,825,703, Cl. 73-861.120.
Kudo, Satoshi, 4,808,020, Cl. 400-663.000.
Kudou, Makoto; and Ichikawa, Katsumi, 4,861,422, Cl. 156-640.000.
Kugimura, Toshihiro, 4,814,880, Cl. 358-165.000.
Kuhara, Shigehide, 4,859,946, Cl. 324-309.000.
Kujirai, Masaji; and Fukuhara, Yoshio, 4,800,581, Cl. 378-143.000.
Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; and Amano, Shinya, 4,821,230, Cl. 364-900.000.
Kuno, Hiroyuki; and Iino, Yujirou, 4,835,429, Cl. 310-71.000.
Kurihara, Motoshi; and Matoba, Tsukasa, 4,818,978, Cl. 340-706.000.
Kuroda, Fumihiko, 4,797,371, Cl. 437-2.000.
Kurosawa, Kei, 4,874,719, Cl. 437-195.000.
Kurosawa, Ryoichi; and Kawata, Kouzou, 4,837,492, Cl. 318-661.000.
Kushibiki, Ryouichi; and Fukutake, Tadamichi, 4,866,503, Cl. 357-51.000.
Kushima, Hidekiyo, 4,825,060, Cl. 235-492.000.
Kusunoki, Masahiro; Saito, Toshiya; Okamura, Hiroshi; and Ohashi, Hiroshi, 4,845,576, Cl. 360-67.000.
Kuwano, Hiroaki; Kawanami, Takao; Okudaira, Ken; and Tanaka, Akihiro, 4,843,855, Cl. 72-16.000.
Machida, Kaoru; Suzuki, Akifumi; Kikuchi, Yushichi; and Takano, Masayuki, 4,794,930, Cl. 128-662.030.
Machida, Yoshio, 4,802,109, Cl. 364-723.000.
Machida, Yoshio, 4,857,847, Cl. 324-311.000.
Maeda, Michio; and Hashimoto, Kiyoshi, 4,870,432, Cl. 34 140.00R.
Maeda, Satoru, 4,853,913, Cl. 369-32.000.
Maeda, Satoshi; and Sawada, Shizuo, 4,833,647, Cl. 365-182.00
Maeda, Satoshi; and Iwai, Hiroshi, 4,872,042, Cl. 357-23.600.
Maeda, Tomohisa, 4,862,086, Cl. 324-318.000.
Maeda, Tsuyoshi, 4,806,035, Cl. 400-647.100.
Maekawa, Hiromi, 4,850,361, Cl. 128-660.040.
Maekawa, Katsumi; and Ambo, Tatsuaki, 4,860,186, Cl. 363-41.00
Makino, Takashi; and Asami, Shuji, 4,820,943, Cl. 307-603.00
Makita, Sadao, 4,859,092, Cl. 400-83.000.
Mand, Ranjit S.; and Nakamura, Masaru, 4,819,048, Cl. 357-17.00
Mano, Hiroshi; Tsurusaki, Masayuki; Sano, Yoshikazu; and Shiom Junichi, 4,887,264, Cl. 370-58.200.
Marui, Kuniyoshi, 4,803,717, Cl. 379-67.000.
Maruyama, Tadashi; Wada, Yukio; Shigematsu, Tomohisa; Suzu Yasoji; and Yoshizawa, Makoto, 4,870,615, Cl. 365-185.00
Masaki, Hideo, 4,812,059, Cl. 400-56.000.
Masaki, Hideo, 4,825,389, Cl. 364-519.000.
Masuda, Eiji; Fujita, Yasuhiko; and Takasaki, Terufumi, 4,841,56 Cl. 379-355.000.
Masuda, Masami; Kawaguchi, Takayuki; and Nozawa, Yasumi 4,804,868, Cl. 307-446.000.
Masuda, Masami; Nozawa, Yasumitsu; and Kawaguchi, Takaya 4,804,869, Cl. 307-446.000.
Masuko, Akinori, 4,827,511, Cl. 380-15.000.
Masuoka, Fujio; and Ochii, Kiyofumi, 4,814,841, Cl. 357-23.70
Masuzawa, Yukikazu, 4,841,585, Cl. 5-62.000.
Matsubars, Mitsuyoshi; and Ito, Yukinobu, 4,819,188, C 364-413.230.
Matsuda, Naotoshi; Tamatani, Masaaki; and Yokota, Kazu 4,863,882, Cl. 501-94.000.
Matsuda, Tetsuo, 4,866,009, Cl. 437-203.000.
Matsui, Masataka; Iizuka, Tetsuya; Tsujimoto, Jun-ichi; Ohta Takayuki; and Isobe, Mitsuo, 4,813,022, Cl. 365-203.00
Matsui, Masataka; and Ohtani, Takayuki, 4,815,046, C 365-203.000.
Matsui, Yutaka, 4,819,651, Cl. 128-662.030.
Matsukawa, Naohiro, 4,845,530, Cl. 355-53.000.
Matsumoto, Katsumi; Kunii, Hideo; Yamamoto, Hideki; and Mo Toshiyasu, 4,847,696, Cl. 358-335.000.
Matsumoto, Kenji; and Kurihara, Haruki, 4,879,724, Cl. 372-46.0
Matsumoto, Osamu; Abe, Isao; and Nakashiro, Takeshi, 4,859,8 Cl. 307-530.000.
Matsumoto, Yoshihiro, 4,839,823, Cl. 364-513.000.
Matsumura, Ken, 4,827,158, Cl. 307-270.000.
Matsumura, Ken; and Tezuka, Hideharu, 4,831,483, Cl. 361-99.0
Matsunaga, Hideki; and Hirate, Naoyuki, 4,886,966, C 250-288.000.
Matsuo, Katsuharu; and Azuma, Yoshiyuki, 4,853,605, C 318-729.000.
Matsuo, Kenji; and Tsuchiya, Ikuo, 4,859,970, Cl. 331-57.00
Matsuo, Satoshi, 4,827,908, Cl. 128-6.000.
Matsuo, Yukito, 4,800,999, Cl. 198-370.000.
Matsuo, Yukito, 4,807,537, Cl. 104-129.000.
Matsuo, Yukito; Ishida, Tsuyoshi; Nakamura, Kunihiko; Masu Mitsuaki; Shin, Kouitirou; and Shirai, Isao, 4,817,694, C 198-346.200.
Matsuo, Yukito, 4,848,242, Cl. 104-290.000.
Matsuoka, Yasuo, 4,800,251, Cl. 219-121.430.
Matsushima, Tetsuo, 4,857,854, Cl. 324-512.000.
Matsushita, Yoshiaki, 4,885,257, Cl. 437-11.000.
Matsutani, Kinya, 4,830,703, Cl. 156-617.100.
Matsutani, Kinya, 4,875,485, Cl. 128-653.000.
Matsuura, Hiroshi; and Hirai, Shoichi, 4,827,522, Cl. 381-41.0
McNeill, Kevin M.; and Ozeki, Takeshi, 4,876,643, Cl. 364-200.0
Miguchi, Yasuhiko, 4,827,392, Cl. 363-56.000.
Miike, Seiji; Yamanaka, Noriko; Hirakawa, Hideki; and Ama Shinya, 4,831,529, Cl. 364-419.000.
Minami, Shigenobu, 4,815,132, Cl. 381-1.000.
Minekane, Tomiharu, 4,798,703, Cl. 422-65.000.
Minekane, Tomiharu, 4,808,380, Cl. 422-64.000.
Minekane, Tomiharu, 4,812,657, Cl. 250-372.000.
Minomo, Shinzoo, 4,799,029, Cl. 331-107.00A.
Minowa, Takehiko; and Yamamoto, Toshifumi, 4,873,53 C 346-76.0PH.
Mitani, Akio; Kashima, Koji; and Yamaguchi, Hiroichi, 4,85 Cl. 165-10.000.
Mitomi, Michio, 4,862,084, Cl. 324-309.000.
Mitsuyasu, Kiyoshi; Kanda, Motoya; Takeno, Kazuta; and Kochiwa, Kenichi, 4,849,312, Cl. 429-217.000.
Miura, Akira; Gemma, Nobuhiro; Mizushima, Koichi; Azu Makoto; and Iwakiri, Takano, 4,819,210, Cl. 365-106.00
Miura, Kenichi; and Kobayashi, Hiromichi, 4,879,59 C 358-88.000.
Miura, Kunihiko, 4,823,151, Cl. 346-160.000.
Miura, Kunihiko; and Nosaki, Takefumi, 4,854,754, Cl. 400-82.2
Miura, Kunihiko, 4,887,167, Cl. 358-296.000.
Miwa, Yoshiyuki; and Miyake, Kazuya, 4,818,547, Cl. 426-231.0
Miyamoto, Junichi, 4,868,621, Cl. 357-23.130.
Miyano, Toshihiro, 4,847,803, Cl. 364-900.000.
Miyazaki, Masanori; and Kuroiwa, Akihiko, 4,800,90 C 318-798.000.
Miyazaki, Toru; and Kawai, Kiyoyuki, 4,851,904, Cl. 358-105.0
Miyazaki, Yoshio; and Ido, Yuji, 4,815,529, Cl. 165-104.26
Miyazaki, Yoshio; and Ido, Yuji, 4,846,263, Cl. 165-104.26

Miyoshi, Motosuke; Okumura, Katsuya; and Ogawa, Shigeru, 4,800,268, Cl. 250-234.000.
Miyoshi, Motosuke; and Okumura, Katsuya, 4,890,029, Cl. 313-7.000.
Mizoguchi, Satoshi; Sugimoto, Yasuhiro; and Shimizu, Shoichi, 4,816,831, Cl. 341-156.000.
Mizoguchi, Tetsuhiko; Sakai, Isao; Niu, Hiromi; and Inomata, Koichiro, 4,859,254, Cl. 148-302.000.
Mizoguchi, Tetsuhiko; Inomata, Koichiro; Higuchi, Toru; and Sakai, Isao, 4,878,964, Cl. 148-302.000.
Mizuide, Yasuo, 4,806,791, Cl. 307-355.000.
Mizutani, Hiroyuki; and Kamitake, Takashi, 4,823,388, Cl. 380-23.000.
Mizutani, Motoharu, 4,849,936, Cl. 365-189.010.
Mizutani, Toshiaki; Yonezawa, Takeyuki; Inoue, Hiroshi; Tsuge, Akihiko; and Ohnuma, Yoshiyuki, 4,853,299, Cl. 428-698.000.
Mizutani, Yoshihisa, 4,878,199, Cl. 365-185.000.
Mizutani, Yoshihisa, 4,882,707, Cl. 365-185.000.
Momodomi, Masaki; and Sakui, Koji, 4,875,195, Cl. 365-230.080.
Momodomi, Masaki; Ogura, Mitsugi; and Kumanomido, Takaki, 4,881,113, Cl. 357-51.000.
Mori, Isaei, 4,858,129, Cl. 364-413.140.
Mori, Isaei; and Yoshida, Tadatoki, 4,868,747, Cl. 364-413.180.
Mori, Seiichi, 4,847,667, Cl. 357-23.500.
Mori, Shojiro, 4,799,004, Cl. 324-73.00R.
Morimoto, Toshiki; and Watanabe, Seiji, 4,883,980, Cl. 307-465.100.
Morinaga, Motoyasu; Furuyama, Hideto; Nakamura, Masaru; Suzuki, Nobuo; Hirayama, Yuzo; and Okuda, Hajime, 4,862,474, Cl. 372-50.000.
Morioka, Shizuo; and Saitoh, Yuichi, 4,849,700, Cl. 324-427.000.
Morishita, Mimpei; and Azukizawa, Teruo, 4,811,667, Cl. 104-284.000.
Morishita, Mimpei; and Azukizawa, Teruo, 4,825,773, Cl. 104-284.000.
Morishita, Mimpei; and Azukizawa, Teruo, 4,838,172, Cl. 104-281.000.
Morita, Hiroshi; and Osada, Osamu, 4,820,584, Cl. 428-336.000.
Morita, Keiichi, 4,798,059, Cl. 62-228.400.
Morita, Keiichi, 4,833,893, Cl. 62-713.000.
Morita, Noboru, 4,872,123, Cl. 364-571.020.
Morohashi, Katsuei, 4,849,676, Cl. 315-368.000.
Morohashi, Katsuei; Shimokobe, Jiro; and Shimoma, Taketoshi, 4,876,478, Cl. 313-413.000.
Mose, Tadao; Hirata, Akio; Saito, Suzuo; and Kikuchi, Hidehiko, 4,818,890, Cl. 290-52.000.
Mose, Tadao; Andoh, Yasuhiro; and Kitasin, Tatuhisa, 4,87[illegible]637, Cl. 363-37.000.
Motegi, Chiaki, 4,829,586, Cl. 382-46.000.
Mukaekubo, Jyunichi, 4,857,784, Cl. 310-68.00B.
Munakata, Tadashi, 4,797,061, Cl. 414-744.500.
Murakami, Reiji, 4,849,786, Cl. 355-311.000.
Murakami, Syogo; and Shimmyo, Takashi, 4,839,732, Cl. 358-304.000.
Murakami, Teruo; and Seo, Naobumi, 4,841,502, Cl. 369-13.000.
Murakata, Masami, 4,839,821, Cl. 364-491.000.
Muramoto, Ken'ichi, 4,884,113, Cl. 357-23.400.
Muranaga, Tetsuro, 4,803,642, Cl. 364-513.000.
Murano, Mitsuo, 4,818,462, Cl. 264-328.800.
Murata, Mitsuru, 4,841,275, Cl. 338-195.000.
Murata, Moriyoshi, 4,872,446, Cl. 128-6.000.
Nagai, Hiroshi, 4,809,068, Cl. 358-148.000.
Nagano, Katsumi, 4,806,873, Cl. 330-4.300.
Nagano, Katsumi, 4,819,219, Cl. 369-32.000.
Nagano, Katsumi, 4,819,241, Cl. 372-38.000.
Nagano, Suketoshi; Ichikawa, Munehiro; and Yoneyama, Takashi, 4,825,181, Cl. 335-205.000.
Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.
Nagashima, Masayoshi, 4,815,872, Cl. 400-120.000.
Nagata, Mitsuhiro; Hayashi, Tadashi; Hashimoto, Yoshinobu; and Nakamura, Kiyoshi, 4,87[illegible],208, Cl. 501-89.000.
Nagata, Niro, 4,861,137, Cl. 350-253.000.
Nagato, Hitoshi; Hirahara, Souzo; and Ohno, Tadayoshi, 4,819,008, Cl. 346-76.0PH.
Naito, Katsuyuki; Okamoto, Masayoshi; Mizushima, Koichi; Nakayama, Toshio; Sugiuchi, Masami; and Miura, Akira, 4,819,057, Cl. 357-17.000.
Nakabayashi, Karuto, 4,799,014, Cl. 324-314.000.
Nakabayashi, Kazuto, 4,845,430, Cl. 324-309.000.
Nakagawa, Akio; Ohashi, Hiromichi; Yamaguchi, Yoshihiro; Watanabe, Kiminori; and Thukakoshi, Thuneo, 4,881,120, Cl. 357-23.400.
Nakagawa, Kaoru; and Nagaba, Katsushi, 4,860,327, Cl. 377-79.000.
Nakagawa, Kaoru; Yamamoto, Yoshio; and Matsuoka, Nobutaka, 4,888,304, Cl. [illegible].
Nakagawara, Kyoichi, 4,796,294, Cl. 379-258.000.
Nakahara, Jirou; Ueshin, Akito; and Okajima, Shiro, 4,874,934, Cl. 235-492.000.
Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,819,212, Cl. 365-230.000.
Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,831,592, Cl. 365-189.090.
Nakai, Toshio; Miyagi, Takeshi; and Shimada, Osamu, 4,855,537, Cl. 174-68.500.
Nakajima, Hirotaka, 4,837,749, Cl. 367-7.000.
Nakajima, Hirotaka, 4,873,985, Cl. 128-661.090.
Nakajima, Shunichi; and Izawa, Koji, 4,841,375, Cl. 353-280.000.
Nakajima, Takao, 4,807,289, Cl. 381-36.000.
Nakajima, Takao, 4,811,397, Cl. 381-36.000.
Nakamura, Yoshikathu, 4,811,416, Cl. 382-61.000.
Nakamura, Yoshikathu; Ooi, Katsunori; and Yura, Koji, 4,866,646, Cl. 364-709.110.
Nakamura, Yoshiro; Mori, Kunio; Okumura, Minoru; Mochida, Yoshio; and Miyazaki, Matsuo, 4,801,394, Cl. 252-75.000.
Nakano, Hirotaka; and Yoshino, Thunekazu, 4,808,769, Cl. 174-68.500.
Nakano, Hirotaka; and Yoshino, Thunekazu, 4,857,671, Cl. 174-68.500.
Nakatomi, Yoshitsugu; Oda, Goro; and Aoki, Hidetoshi, 4,806,970, Cl. 355-3.0FU.
Nakatomi, Yoshitsugu; and Oda, Goro, 4,809,632, Cl. 355-3.0TR.
Nambu, Kyojiro; and Rifu, Toshihiro, 4,881,251, Cl. 378-7.000.
Nanba, Hiromi, 4,872,062, Cl. 358-443.000.
Nara, Seietsu; and Yamauchi, Tomoko, 4,814,591, Cl. 235-380.000.
Narita, Ryuho; Kako, Hidenori; and Imamura, Humihiro, 4,858,095, Cl. 363-21.000.
Nikadio, Masaru; Ouchi, Yoshiaki; Kinoshita, Tadayoshi; Watanabe, Reiko; and Sugai, Shinzo, 4,835,548, Cl. 346-76.0PH.
Nikaido, Masaru; Okunoyama, Hikaru; Yanagibashi, Katsumi; and Ouchi, Yoshiaki, 4,868,584, Cl. 346-76.0PH.
Nishibe, Shinji; and Shiraki, Mikio, 4,845,656, Cl. 364-900.000.
Nishida, Naoto; and Nishio, Mitsuhiro, 4,876,690, Cl. 372-56.000.
Nishihara, Eitaro, 4,847,694, Cl. 358-434.000.
Nishikawa, Meisei; Inagawa, Jun; Inagaki, Takeshi; Kaneshige, Toshihiko; Hayashi, Yasuhiro; and Kojima, Tadashi, 4,860,272, Cl. 369-48.000.
Nishimura, Hiroshi; and Tanaka, Satoshi, 4,883,529, Cl. 65-281.000.
Nishio, Seiichi, 4,855,726, Cl. 340-747.000.
Nishioka, Syoji, 4,799,148, Cl. 364-200.000.
Nishioka, Syoji, 4,831,468, Cl. 360-722.000.
Nishitsuji, Kazuichi, 4,808,085, Cl. 417-363.000.
Nishiura, Masaaki; and Minamitani, Isei, 4,837,562, Cl. 340-728.000.
Nitta, Tsuneo, 4,851,654, Cl. 235-492.000.
Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, 4,881,266, Cl. 381-43.000.
Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, 4,888,823, Cl. 381-43.000.
Nogami, Kazutaka; and Sakurai, Takayasu, 4,853,897, Cl. 365-189.110.
Nogami, Kazutaka, 4,855,957, Cl. 365-230.030.
Noguchi, Tatsuo, 4,841,346, Cl. 357-23.100.
Nomura, Norimasa, 4,862,504, Cl. 381-51.000.
Nonami, Hidetaka, 4,837,598, Cl. 355-218.000.
Nose, Sigeru; and Suzuki, Seigo, 4,802,136, Cl. 365-238.000.
Nozaki, Masao; and Yasuhara, Yoshihiro, 4,829,273, Cl. 333-194.000.
Nuimura, Yoshimi, 4,814,882, Cl. 358-181.000.
Nukushina, Harunobu; and Sugimoto, Chiaki, 4,857,918, Cl. 340-870.010.
Ohama, Masao; Kondoh, Mitsunori; and Wakabayashi, Kunio, 4,831,893, Cl. 74-479.000.
Obayashi, Arata; and Oba, Ryohei, 4,866,415, Cl. 340-384.00E.
Ochiai, Kumi; Horie, Hiromichi; Arima, Itsuo; and Morita, Mikio, 4,820,338, Cl. 75-233.000.
Oda, Goro; and Shiraishi, Takashi, 4,847,644, Cl. 346-160.000.
Oda, Goro, 4,853,716, Cl. 346-140.00R.
Odawara, Kazuharu; Yamaguchi, Ryoji; and Inage, Nobuo, 4,827,468, Cl. 369-271.000.
Odawara, Kazuharu; and Inage, Nobuo, 4,827,470, Cl. 369-282.000.
Odawara, Kazuharu; and Kashiwagi, Hidesato, 4,866,693, Cl. 369-75.200.
Ogasawara, Tatsuo, 4,865,040, Cl. 128-661.040.
Ogata, Fumio, 4,835,567, Cl. 355-318.000.
Ogawa, Fukushige; Motegi, Chiaki; and Hosokawa, Chikara, 4,868,865, Cl. 379-100.000.
Ogihara, Masaki, 4,829,483, Cl. 365-190.000.
Oguara, Mitsugi; Horiguchi, Fumio; and Watanabe, Shigeyoshi, 4,831,433, Cl. 357-68.000.
Ogura, Mitsugi; and Masuoka, Fujio, 4,798,794, Cl. 437-41.000.
Ogura, Tsuneo; Takigami, Katsuhiko; Nakagawa, Akio; and Domon, Tomokazu, 4,821,083, Cl. 357-38.000.
Ogura, Tsuneo; and Nakagawa, Akio, 4,866,315, Cl. 307-637.000.
Ogura, Yoichi, 4,888,560, Cl. 330-254.000.
Ohashi, Hiroshi; Fujioka, Toshiyuki; Kusunoki, Masahiro; Kimura, Susumu; and Takekado, Shigeru, 4,811,143, Cl. 360-105.000.
Ohata, Yu; Kuramoto, Tsuyoshi; and Shimbo, Masaru, 4,837,186, Cl. 437-228.000.
Ohba, Yasuo; Watanabe, Miyoko; Sugawara, Hideto; Ishikawa, Masayuki; Watanabe, Yukio; and Yamamoto, Motoyuki, 4,809,287, Cl. 372-45.000.
Ohba, Yasuo; Ishikawa, Masayuki; Yamamoto, Motoyuki; Watanabe, Yukio; and Sugawara, Hideto, 4,835,117, Cl. 437-129.000.
Ohhashi, Akinami, 4,845,626, Cl. 364-413.160.
Ohhashi, Masahide, 4,862,391, Cl. 364-522.000.
Ohishi, Seiichiro, 4,835,612, Cl. 358-160.000.

Ohsawa, Takashi, 4,802,132, Cl. 365-230.000.
Ohsawa, Takashi, 4,843,257, Cl. 307-296.800.
Ohshima, Shigeo; Suzuki, Youichi; and Segawa, Makoto, 4,864,164, Cl. 307-443.000.
Ohshima, Shigeo; and Sahara, Hiroshi, 4,883,978, Cl. 307-443.000.
Ohta, Toshihiko; Fuse, Kazuyoshi; Ohmi, Kunio; Sato, Toshiaki; and Shinozaki, Masayuki, 4,818,853, Cl. 235-492.000.
Ohta, Toshihiko; and Izawa, Fumio, 4,825,056, Cl. 235-449.000.
Ohtomi, Koichi, 4,842,806, Cl. 376-247.000.
Ohtomo, Junichi, 4,825,419, Cl. 365-218.000.
Ohtsu, Seiichi, 4,842,055, Cl. 165-174.000.
Ohtsuki, Toshimasa, 4,847,679, Cl. 358-27.000.
Oike, Hiroshi, 4,841,735, Cl. 62-126.000.
Oike, Hiroshi, 4,852,361, Cl. 62-131.000.
Oike, Hiroshi, 4,856,287, Cl. 62-126.000.
Okada, Yoshio, 4,849,654, Cl. 307-296.400.
Okado, Chihiro, 4,827,151, Cl. 307-66.000.
Okamoto, Hiroshi; Fushimi, Kimio; and Suzuki, Susumu, 4,798,057, Cl. 62-228.300.
Okamoto, Shingo, 4,888,520, Cl. 313-292.000.
Okamoto, Toshio; and Takeda, Kimihito, 4,805,132, Cl. 364-900.000.
Okamoto, Toshio; Doi, Miwako; and Iwai, Isamu, 4,813,010, Cl. 364-900.000.
Okamoto, Tsuguhiko, 4,874,937, Cl. 250-203.00R.
Okamura, Hiroshi, 4,819,103, Cl. 360-51.000.
Okano, Jun-ichi; and Matsumoto, Kiyohito, 4,800,172, Cl. 437-51.000.
Okazaki, Kiyoshi, 4,830,015, Cl. 128-660.060.
Okochi, Sadao, 4,881,014, Cl. 315-246.000.
Okoma, Kaoru; Fuji, Eiichiro; and Hanada, Morio, 4,815,947, Cl. 417-410.000.
Okoma, Kaoru; and Togawa, Takahiro, 4,850,830, Cl. 418-63.000.
Okouchi, Satoshi, 4,797,017, Cl. 400-59.000.
Okubo, Yasuo; and Hirasawa, Masataka, 4,797,574, Cl. 307-269.000.
Okuda, Taizo; Saito, Shinji; and Shishikura, Nobuo, 4,802,137, Cl. 365-201.000.
Okumura, Katsuya, 4,807,021, Cl. 357-75.000.
Okumura, Katsuya, 4,823,182, Cl. 357-67.000.
Okutomi, Tsutomu; Chiba, Seishi; Okawa, Mikio; Sekiguchi, Tadaaki; Endo, Hiroshi; and Yamashita, Tsutomu, 4,830,821, Cl. 419-25.000.
Omura, Hideo; and Miyano, Toshiyuki, 4,845,917, Cl. 53-53.000.
Onishi, Yasunobu; Hayase, Shuji; Horiguchi, Rumiko; and Hirao, Akiko, 4,822,716, Cl. 430-192.000.
Ono, Nobuyuki; and Ogata, Toshikazu, 4,817,708, Cl. 165-54.000.
Ono, Takuro; Aoyama, Noboru; and Morinaga, Kaoru, 4,890,276, Cl. 369-77.200.
Onodera, Masako, 4,807,062, Cl. [illegible]60-75.000.
Oono, Yasukazu, 4,831,556, Cl. 364-521.000.
Ooto, Hideki, 4,802,239, Cl. 455-277.000.
Oowaki, Yukihito, 4,825,268, Cl. 357-23.600.
Osawa, Shigenobu; Kawaguchi, Taiichi; Tamura, Makoto; and Shinohara, Hideyuki, 4,804,995, Cl. 355-3.0DD.
Osawa, Shigenobu; and Itaya, Keiji, 4,857,958, Cl. 355-218.000.
Oushiden, Hideshi; and Matsumoto, Hiroshi, 4,816,871, Cl. 355-3.0CH.
Oushiden, Hideshi; Imada, Norio; and Sambayashi, Takeshi, 4,821,067, Cl. 355-14.00E.
Oyama, Sakan; and Omori, Koji, 4,878,147, Cl. 361-154.000.
Oyanagi, Shigeru; Fujita, [illegible]ikazu; and Nakamura, Sadao, 4,815,005, Cl. 364-513.000.
Ozeki, Kazuo; Sugiyama, Fumio; Dachiku, Kenshi; Fujiwara, Hisao; and Watanabe, Toshiaki, 4,833,535, Cl. 358-135.000.
Ozu, Tokio; Itagaki, Takasi; and Fukuda, Sanemi, 4,831,489, Cl. 361-338.000.
Ozu, Tokio; Oda, Taturou; Takamatsu, Seietsu; and Ogawa, Akira, 4,835,350, Cl. 200-50.00A.
Ozu, Tokio; Oda, Taturou; and Ogawa, Akira, 4,867,713, Cl. 439-833.000.
Rifu, Toshihiro; and Nambu, Kyojiro, 4,807,267, Cl. 378-7.000.
Roberts, Barry R., 4,796,203, Cl. 364-521.000.
Rokugawa, Kyuji, 4,844,868, Cl. 422-64.000.
Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.
Sahashi, Masashi; and Inomata, Koichiro, 4,849,017, Cl. 75-245.000.
Saito, Kazuo; Saito, Toshihiko; and Kishimoto, Ken, 4,840,558, Cl. 431-1.000.
Saito, Masayuki; Niitsuma, Akira; Ohdaira, Hirosi; Tanuma, Chiaki; and Mori, Miki, 4,857,482, Cl. a37-209.000.
Saito, Mitsuo; Matoba, Tsukasa; and Okamoto, Toshio, 4,876,657, Cl. 364-521.000.
Saito, Shinji; Atsumi, Shigeru; and Tanaka, Sumio, 4,860,260, Cl. 365-201.000.
Saito, Suzuo; and Higaki, Shigetoshi, 4,819,121, Cl. 361-85.000.
Saito, Tamio; Takayama, Satoshi; Suda, Yoshiyuki; Shimada, Osamu; and Mori, Ken-ichi, 4,803,375, Cl. 250-578.000.
Saito, Tamio, 4,808,833, Cl. 250-578.000.
Saito, Tamio; and Yoshara, Kunio, 4,878,098, Cl. 357-68.000.
Saito, T[illegible]taka; Murakami, Hiroaki; Fukushima, Yuhji; and Konishi, [illegible], 4,814,639, Cl. 307-303.000.
Saito, Tutomu; and Iwamoto, [illegible], 4,827,335, Cl. 358-75.000.
Saito, Yasuo; and Nobuta, [illegible], 4,850,[illegible], Cl. 378-4.000.
Saitou, Satoshi, 4,834,070, Cl. 128-6.000.
Saitou, Yoshio; and Sasaki, Katumaru, 4,846,536, Cl. 312-72.000.
Saitou, Yoshio, 4,852,033, Cl. 364-708.000.
Sakakihara, Hisashi; and Sasaki, Shigeru, 4,796,285, Cl. 378-173.000.
Sakamoto, Tsuguo; Kurematsu, Kazuhiko; Mikogami, Yukihiro; Suzuki, Shuichi; and Thai, Cao M., 4,829,134, Cl. 525-523.000.
Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.
Sakaue, Tatsuo; and Yoshie, Tatsuya, 4,809,307, Cl. 377-40.000.
Sakazaki, Yoshihisa, 4,875,017, Cl. 329-336.000.
Sakihama, Kazuhisa; and Fujimoto, Takuya, 4,806,789, Cl. 307-297.000.
Sakui, Koji; and Watanabe, Shigeyoshi, 4,798,977, Cl. 307-446.000.
Sakui, Koji; and Watanabe, Shigeyoshi, 4,819,207, Cl. 365-222.000.
Sakurada, Koichi; Kirawa, Kouji; Ando, Yoshiharu; and Kato, Yoshiro, 4,863,680, Cl. 376-444.000.
Sakurai, Masaru; Matsue, Hiroshi; and Aoki, Kazuhiro, 4,796,012, Cl. 342-359.000.
Sakurai, Takayasu, 4,853,654, Cl. 331-57.000.
Sakurai, Takayasu; and Iizuka, Tetsuya, 4,857,763, Cl. 307-443.000.
Sakurai, Takayasu, 4,866,677, Cl. 365-222.000.
Sanada, Shinichi; and Miyamura, Masataka, 4,820,619, Cl. 430-197.000.
Sano, Masaki, 4,879,608, Cl. 360-51.000.
Sasaki, Katumaru, 4,864,523, Cl. 364-708.000.
Sasaki, Katutoki; Ohguma, Hirotsugu; and Matsumura, Kinya, 4,849,727, Cl. 335-301.000.
Sasaki, Minoru, 4,837,628, Cl. 358-209.000.
Sato, Fumitaka, 4,800,441, Cl. 358-261.100.
Sato, Hideki, 4,819,255, Cl. 378-42.000.
Sato, Hideki; and Mizunoya, Nobuyuki, 4,835,065, Cl. 428-422.000.
Sato, Hideki; and Mizunoya, Nobuyuki, 4,873,151, Cl. 428-427.000.
Sato, Hideki; Mizunoya, Nobuyuki; Asai, Hironori; Anzai, Kazuo; and Hatano, Tsuyoshi, 4,883,704, Cl. 428-209.000.
Sato, Kazuyuki, 4,858,175, Cl. 364-900.000.
Sato, Makoto; and Uehara, Toshio, 4,860,221, Cl. 364-522.000.
Sato, Masaki, 4,835,740, Cl. 365-185.000.
Sato, Takeshi, 4,817,433, Cl. 73-620.000.
Sato, Yasuji; and Akita, Yoshihiro, 4,815,127, Cl. 379-417.000.
Sato, Yasuji; and Hino, Fumio, 4,856,058, Cl. 379-394.000.
Satoh, Tomohiro, 4,870,954, Cl. 128-24.00A.
Satou, Hitoshi, 4,845,480, Cl. 340-717.000.
Satou, Hitoshi, 4,849,745, Cl. 340-723.000.
Satou, Kouichirou, 4,849,823, Cl. 358-474.000.
Satou, Takeo; and Shimizu, Yasuhiko, 4,874,444, Cl. 156-64.000.
Sawa, Takao; Hashimoto, Susumu; and Inomata, Koichi, 4,859,256, Cl. 148-304.000.
Sawada, Kazuhiro; and Sakurai, Takayasu, 4,812,735, Cl. 323-313.000.
Sawada, Kazuhiro; and Sakurai, Takayasu, 4,827,403, Cl. 365-222.000.
Sawada, Nobuo; and Asai, Hiroko, 4,843,569, Cl. 364-518.000.
Sawaya, Hiromichi, 4,807,087, Cl. 361-405.000.
Segawa, Masao; and Arakawa, Masayuki, 4,858,066, Cl. 361-302.000.
Seki, Nagataka; Ogawa, Kiyoshi; and Nakajima, Kohei, 4,879,2[illegible], Cl. 307-87.000.
Seki, Nagataka, 4,890,213, Cl. 363-49.000.
Sekiguchi, Kunio; Kai, Hajime; Miyokawa, Masaru; and Ueo, Kenji, 4,850,211, Cl. 72-8.000.
Sekiguchi, Tadashi, 4,821,117, Cl. 358-98.000.
Sekine, Makoto; Okano, Haruo; Arikado, Tsunetoshi; and Horiike, Yasuhiro, 4,838,978, Cl. 156-345.000.
Sekine, Makoto; Okano, Haruo; and Horiike, Yasuhiro, 4,886,7[illegible], Cl. 156-643.000.
Shibata, Fumiaki; and Matsutake, Masayuki, 4,850,0[illegible], Cl. 455-315.000.
Shibata, Tadashi, 4,860,084, Cl. 357-55.000.
Shibuya, Kunihiro; and Todome, Tuyoshi, 4,870,459, Cl. 355-200.000.
Shigehara, Hiroshi; Shiraishi, Mikio; Watanabe, Yasuhiro; and Sugi, Nobuo, 4,813,008, Cl. 364-760.000.
Shigehara, Hiroshi, 4,853,886, Cl. 364-745.000.
Shigehara, Hiroshi; and Kawai, Toshimasa, 4,864,306, Cl. 341-143.000.
Shigemitsu, Fumiaki; Usuda, Kinya; and Nomaki, Tas[illegible], 4,840,874, Cl. 430-296.000.
Shigenaka, Keitaro, 4,868,622, Cl. 357-30.000.
Shigihara, Hideo, 4,868,817, Cl. 371-4.000.
Shikata, Toshio; Tokoro, Hirokazu; Nishimura, Takanobu; Kinoshita, Masaharu; and Masuda, Norio, 4,867,803, Cl. 148-3[illegible].
Shimada, Yasuo; and Mouri, Fumitaka, 4,823,021, Cl. 307-112.000.
Shimamune, Yuji, 4,802,138, Cl. 365-210.000.
Shimanuki, Machio, 4,796,130, Cl. 360-105.000.
Shimazaki, Takashi, 4,801,951, Cl. 346-140.00R.
Shimazaki, Takashi, 4,806,974, Cl. 355-5.000.
Shimizu, Yasuhiko, 4,824,006, Cl. 228-10.000.
Shimizu, Yoshiaki, 4,818,492, Cl. 422-100.000.
Shimoma, Taketoshi; and Fukuda, Kunio, 4,820,9[illegible], Cl. 315-368.000.
Shimoma, Taketoshi; and Fukuda, Kunio, 4,845,40[illegible], Cl. 313-413.000.
Shimoma, Taketoshi; Morohashi, Katsuri; and Shinohara, [illegible], 4,881,015, Cl. 315-371.000.
Shimomura, Nobuo; and Hotta, Tomio, 4,841,849, Cl. 99-[illegible].
Shimomura, Tsutomu, 4,827,408, Cl. 364-200.000.

Shimura, Toshio; Yamada, Masahiko; Ishii, Yoshiteru; and Tamase, Fuminobu, 4,843,637, Cl. 455-200.000.
Shinchi, Masazumi; and Ugawa, [illegible]mitsu, 4,868,705, Cl. 361-91.000.
Shiota, Keiichi, 4,798,489, Cl. 400-216.100.
Shirai, Koji; and Kawamura, Ken, 4,878,096, Cl. 357-42.000.
Shirai, Koji, 4,884,116, Cl. 357-41.000.
Shiraishi, Mikio, 4,879,677, Cl. 364-760.000.
Shiraishi, Takashi, 4,848,914, Cl. 356-440.000.
Shiraishi, Takashi, 4,878,066, Cl. 346-108.000.
Shirakawa, Masakazu, 4,885,765, Cl. 379-93.000.
Shirakawa, Masakazu; Yamashita, Hiroaki; and Nishida, Toshio, 4,888,728, Cl. 364-900.000.
Shirosaka, Toshio, 4,813,279, Cl. 73-626.000.
Shirosaka, Toshio, 4,815,043, Cl. 367-7.000.
Someya, Akihiko, 4,845,549, Cl. 358-75.000.
Someya, Akihiko, 4,849,793, Cl. 355-75.000.
Sone, Toshinao; Urata, Hiroshi; Nakamura, Michio; Takahashi, Tooru; Yamazaki, Hidetoshi; and Tokita, Kiyoshi, 4,827,180, Cl. 313-404.000.
Soda, Yoshiyuki, 4,823,178, Cl. 357-30.000.
Suga, Masao, 4,807,119, Cl. 364-200.000.
Suga, Takayuki, 4,806,966, Cl. 355-3.0SH.
Sugai, Shinzo; and Mori, Fumio, 4,864,188, Cl. 313-402.000.
Sugawa, Naoki; and Iida, Tetsuya, 4,827,260, Cl. 341-118.000.
Sugaya, Toshihiro; Sakai, Yuji; and Yamada, Takehito, 4,851,933, Cl. 360-61.000.
Sugimori, Fumio, 4,870,473, Cl. 250-213.0VT.
Sugimoto, Takahiro; Sasaki, Hiroki; Yonezawa, Akihiro; and Mitsuyuki, Youichiro, 4,835,442, Cl. 313-565.000.
Sugiura, Hiroaki; Ide, Yuichi; and Uesugi, Michika, 4,849,950, Cl. 363-48.000.
Sugiura, Satoshi, 4,839,596, Cl. 324-322.000.
Sugiura, Yasuyuki; and Mizunoya, Hobuyuki, 4,863,658, Cl. 264-65.000.
Sugiyama, Akiyoshi, 4,850,200, Cl. 62-156.000.
Sugiyama, Fumio; and Dachiku, Kenshi, 4,797,742, Cl. 358-141.000.
Sugiyama, Hisashi; Sugimoto, Yasuhiro; and Kamatani, Yukio, 4,798,980, Cl. 307-471.000.
Sukai, Emiko, 4,880,214, Cl. 267-136.000.
Sumitani, Shigeto; Noguchi, Haruo; and Araya, Hiroyuki, 4,802,529, Cl. 165-29.000.
Sumiyoshi, Hajime, 4,882,624, Cl. 358-153.000.
Suyama, Toshimitsu; and Fujimori, Yasutomo, 4,879,664, Cl. 364-518.000.
Suzuki, Azuma; Ootani, Takayuki; and Isobe, Mitsuo, 4,879,686, Cl. 365-189.110.
Suzuki, Hideo, 4,868,811, Cl. 370-50.000.
Suzuki, Hirokazu, 4,837,512, Cl. 324-306.000.
Suzuki, Hirokazu; Machida, Yoshio; and Yuasa, Yuji, 4,878,499, Cl. 128-653.00A.
Suzuki, Hiroshi, 4,809,090, Cl. 360-46.000.
Suzuki, Hiroshi; and Osafune, Koji, 4,811,126, Cl. 360-51.000.
Suzuki, Hiroshi, 4,849,957, Cl. 369-59.000.
Suzuki, Katsumi, 4,879,205, Cl. 430-523.000.
Suzuki, Kouhei, 4,858,022, Cl. 358-471.000.
Suzuki, Mitsuo, 4,799,180, Cl. 364-724.200.
Suzuki, Nobuo, 4,819,074, Cl. 358-209.000.
Suzuki, Nobuo, 4,843,474, Cl. 358-213.190.
Suzuki, Nobuo; Morinaga, Motoyasu; Furuyama, Hideto; Hirayama, Yuzo; Okuda, Hajime; Nakamura, Masaru; and Motegi, Nawoto, 4,858,241, Cl. 372-46.000.
Suzuki, Nobuo, 4,884,142, Cl. 358-213.190.
Suzuki, Seigo, 4,847,809, Cl. 365-189.040.
Suzuki, Shigeo; and Yasuda, Kazuyuki, 4,886,556, Cl. 264-63.000.
Suzuki, Shuichi; Wada, Moriyasu; and Hayase, Shuzi, 4,831,063, Cl. 522-13.000.
Suzuki, Tetsuo, 4,835,450, Cl. 318-568.130.
Suzuki, Tsuneo; Kawakami, Chikahisa; and Ohashi, Hiroshi, 4,809,427, Cl. 29-603.000.
Suzuki, Yasuo; and Sasaki, Yukihiko, 4,860,340, Cl. 379-74.000.
Tabata, Mitsuo; Tojo, Toru; and Shimozono, Hiroaki, 4,811,062, Cl. 356-152.000.
Tada, Kaoru; Hasunuma, Masahiko; and Kawai, Mitsuo, 4,854,978, Cl. 148-14.000.
Tagawa, Hajime; and Yukinaga, Koji, 4,839,691, Cl. 355-260.000.
Tago, Nobuo, 4,885,544, Cl. 328-110.000.
Taka, Shin-ichi; and Ohshima, Jiro, 4,853,342, Cl. 437-31.000.
Taka, Shin-ichi; and Ohshima, Jiro, 4,871,685, Cl. 437-33.000.
Takada, Ikuko, 4,878,218, Cl. 370-94.000.
Takada, Masaaki, 4,802,795, Cl. 400-660.000.
Takagi, Osamu, 4,827,869, Cl. 118-645.000.
Takagi, Shiro, 4,862,389, Cl. 364-521.000.
Takagi, Shiro; Sato, Minoru; and Izawa, Koji, 4,885,704, Cl. 364-521.000.
Takagi, Syoji; and Saito, Hiroyoshi, 4,812,966, Cl. 364-200.000.
Takagi, Yosuke; Ohata, Yu; Kitahara, Koichi; and Kuramoto, Tsuyoshi, 4,879,584, Cl. 357-43.000.
Takahara, Kenichi; and Takahashi, Hiroshi, 4,885,490, Cl. 310-90.500.
Takahara, Takeshi; Oikawa, Mitsuhiro; Tetsuishi, Yoshinori; Higuchi, Kazuaki; and Tamatani, Masaaki, 4,804,[illegible]82, Cl. 313-468.000.
Takahara, Takeshi; Ishii, Tsutomu; and Oikawa, Mitsuhiro, 4,806,822, Cl. 313-467.000.
Takahashi, Isao, 4,800,478, Cl. 363-41.000.
Takahashi, Jun, 4,831,330, Cl. 324-318.000.
Takahashi, Ryoichi, 4,837,516, Cl. 324-322.000.
Takahashi, Tadashi, 4,796,146, Cl. 361-91.000.
Takahashi, Yoshihiko, 4,825,432, Cl. 369-255.000.
Takahashi, Yoshihiko, [illegible],849,955, Cl. 369-51.000.
Takamizawa, Kinya, 4,821,574, Cl. 73-602.000.
Takashima, Shigekazu, 4,853,681, Cl. 340-703.000.
Takeda, Hiromitsu; Nakahashi, Masako; Shirokane, Makoto; and Yamazaki, Tatsuo, 4,876,119, Cl. 427-250.000.
Takekado, Shigeru; and Shima, Yasuo, 4,864,447, Cl. 360-106.000.
Takekado, Shigeru, 4,876,623, Cl. 360-104.000.
Takemura, Yasuo, 4,831,453, Cl. 358-213.190.
Takemura, Yasuo, 4,839,734, Cl. 358-213.220.
Takenaka, Shigeo; Itou, Takeo; and Matsuda, Hidemi, 4,831,307, Cl. 313-478.000.
Takenaka, Tsutomu, 4,860,198, Cl. 364-200.000.
Takeno, Shozo; Kakegawa, Masayuki; and Adachi, Yoshimasa, 4,832,455, Cl. 350-334.000.
Takeuchi, [illegible]aharu; and Itami, Teruo, 4,796,123, Cl. 360-10.100.
Takeuchi, Hisaharu; and Itami, Teruo, 4,851,934, Cl. 360-64.000.
Takeuchi, Motohiko; and Kisou, Masaaki, 4,807,034, Cl. 358-167.000.
Takeuchi, Motohiko; and Kisou, Masaaki, 4,833,537, Cl. 358-167.000.
Takeuchi, Yoshiaki; and Nakagawa, Kaoru, 4,856,034, Cl. 377-74.000.
Takiguchi, Toshio, 4,797,192, Cl. 204-412.000.
Takizawa, Toshimitsu, 4,800,455, Cl. 360-104.000.
Takizawa, Toshimitsu; and Kawata, Yoshihiro, 4,833,550, Cl. 360-75.000.
Takizawa, Yoshinori; and Nakamura, Takahiro, 4,807,981, Cl. 350-404.000.
Tamada, Masuo; Tanaka, Tsutomu; and Matsuoka, Hideo, 4,822,990, Cl. 235-492.000.
Tamada, Masuo; Kokuryo, Hitoshi; Tamura, Shinsuke; and Ozaki, Hiroshi, 4,879,645, Cl. 364-200.000.
Tamai, Kouichi; Motokawa, Shigeyuki; and Hirata, Noriyuki, 4,850,216, Cl. 73-37.600.
Tamura, Masafumi; Ichikawa, Ken-ichi; and Kageyama, Satoshi, 4,852,184, Cl. 382-48.000.
Tanabe, Hirohito; Ohata, Yu; Suzuki, Kazuaki; Miwa, Yukiharu; and Nakayama, Yoshihito, 4,855,799, Cl. 357-23.400.
Tanaka, Fuminari; and Nonaka, Satoshi, 4,890,016, Cl. 307-443.000.
Tanaka, Hiroshi; Murata, Yasukiyo; and Eto, Kazumi, 4,876,861, Cl. 62-279.000.
Tanaka, Koichi, 4,839,856, Cl. 364-9[illegible].000.
Tanaka, Shigeru; and Ishiyama, Fumio, 4,797,908, Cl. 378-105.000.
Tanaka, Shigeru, 4,819,259, Cl. 37[illegible].
Tanaka, Shigeru, 4,833,657, Cl. 365-230.040.
Tanaka, Shigeru, 4,843,296, Cl. 318-800.000.
Tanaka, Shunichiro; Sayano, Akio; and Kameda, Tsuneji, 4,820,562, Cl. 428-34.600.
Tanaka, Sumio; Sato, Masaki; Saito, Shinji; Atsumi, Shigeru; and Ohtsuka, Nobuaki, 4,825,271, Cl. 357-23.500.
Tanaka, Sumio; and Atsumi, Shigeru, 4,843,594, Cl. 365-185.000.
Tanaka, Sumio; Atsumi, Shigeru; and Saito, Shinji, 4,884,241, Cl. 365-210.000.
Tanaka, Tatsuo; and Yoshida, Yoshihiro, 4,857,864, Cl. 330-288.000.
Tanaka, Teruya; and Matsuo, Katsuharu, 4,820,891, Cl. 219-10.770.
Tanaka, Teruya; and Matsuo, Katsuharu, 4,885,456, Cl. 219-497.000.
Tanaka, Toshiaki, 4,814,667, Cl. 313-500.000.
Tanaka, Toshiaki; and Mizutani, Kiroyuki, 4,860,220, Cl. 364-522.000.
Tanaka, Yasunori; and Hashimoto, Hideo, 4,873,670, Cl. 365-189.110.
Taniguchi, Hisaya, 4,885,445, Cl. 219-10.55B.
Tanikoshi, Sadao; Ibe, Hiroyuki; and Shibagaki, Taro, 4,795,919, Cl. 307-354.000.
Tanimoto, Hiroshi; and Yamada, Hisashi, 4,800,339, Cl. 330-253.000.
Tanimoto, Hiroshi; and Hayashibara, Mikio, 4,803,382, Cl. 307-362.000.
Tanimoto, Hiroshi; Tanaka, Minoru; and Yoshida, Satoru, 4,866,767, Cl. 379-398.000.
Tanimoto, Yasufumi, 4,851,875, Cl. 355-245.000.
Taoda, Masami; and Machida, Hironobu, 4,885,699, Cl. 364-518.000.
Tatara, Shinji, 4,858,100, Cl. 363-161.000.
Tateishi, Toru; and Sato, Sinzi, 4,851,919, Cl. 358-443.000.
Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, 4,858,192, Cl. 365-[illegible]0.000.
Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, 4,882,507, Cl. 307-443.000.
Tatsuno, Kyoichi, 4,801,205, Cl. 356-336.000.
Terada, Toshiyuki; Hirose, Mayumi; and Ishida, Kenji, 4,803,526, Cl. 357-15.000.
Terasawa, Michiyuki, 4,823,303, Cl. 364-521.000.
Terashima, Kazutaka; Watanabe, Masayuki; and Kasami, Akinobu, 4,816,240, Cl. 423-299.000.
Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, 4,884,196, Cl. 364-200.000.
Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, 4,887,211, Cl. 364-413.130.
Toba, Akira, 4,800,447, Cl. 360-10.300.

Toda, Haruki; Sahara, Hiroshi; and Ohshima, Shigeo, 4,862,420, Cl. 365-221.000.
Todaka, Seiji, 4,866,662, Cl. 364-900.000.
Tohara, Hisanori, 4,887,268, Cl. 371-40.100.
Tojo, Toru; Tabata, Mitsuo; and Yoshino, Hisakazu, 4,808,002, Cl. 356-401.000.
Tokita, Kiyoshi; Sone, Toshinao; Urata, Hiroshi; and Nakamura, Michio, 4,866,333, Cl. 313-406.000.
Tokita, Muneo; and Nagata, Niro, 4,866,459, Cl. 346-108.000.
Tokumaru, Takeji; and Kishigami, Hidechika, 4,807,175, Cl. 364-760.000.
Tokumaru, Takeji, 4,817,031, Cl. 364-787.000.
Tokumaru, Takeji, 4,831,571, Cl. 364-715.080.
Tokumaru, Takeji; and Nagata, Miyuki, 4,839,839, Cl. 364-715.080.
Tokumaru, Takeji, 4,839,840, Cl. 364-715.080.
Tokumitsu, Shigenori, 4,796,221, Cl. 364-900.000.
Tomura, Shinya; Okuyama, Tetsuo; Saito, Mitsunaga; and Uehara, Tsutomu, 4,833,059, Cl. 430-120.000.
Tone, Youichi, 4,798,513, Cl. 415-17.000.
Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,862,710, Cl. 68-12.00R.
Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,875,607, Cl. 222-643.000.
Toshimitsu, Kenshi; and Mizuma, Takashi, 4,860,049, Cl. 355-218.000.
Tsuaki, Hajime; and Sugimura, Tomio, 4,843,592, Cl. 364-900.000.
Tsuda, Kazuhiro; Kihara, Tomohiko; and Suzuki, Kaoru, 4,862,003, Cl. 250-363.020.
Tsugaru, Kazunori; and Sugimoto, Yasuhiro, 4,798,981, Cl. 307-475.000.
Tsuji, Masaki, 4,882,618, Cl. 358-167.000.
Tsujii, Osamu; and Fujii, Masashi, 4,803,711, Cl. 378-4.000.
Tsujimoto, Jun-ichi, 4,868,483, Cl. 323-313.000.
Tsujimoto, Jun-ichi; Matsui, Masataka; Iwai, Hiroshi; and Ohtani, Takayuki, 4,881,202, Cl. 365-200.000.
Tsujimoto, Shuichi; and Asada, Haruo, 4,878,124, Cl. 358-443.000.
Tsuneeda, Kenichi, 4,885,221, Cl. 430-100.000.
Tsunekawa, Shinichi; and Takagi, Masami, 4,882,520, Cl. 313-643.000.
Tsuno, Katsuhiko; Kameda, Yoshihiko; and Akabane, Satoshi, 4,810,870, Cl. 250-203.00R.
Tsurusaki, Masayuki; Wakabayashi, Tamotsu; Mano, Hiroshi; and Mori, Hideyasu, 4,852,158, Cl. 379-393.000.
Uchida, Norio; Ishibashi, Yoriyuki; Hirano, Ryoichi; Masuyama, Masayuki; and Shimozono, Hiroaki, 4,838,693, Cl. 356-356.000.
Uchida, Norio; Ishibashi, Yoriyuki; and Masuyama, Masayuki, 4,848,911, Cl. 356-356.000.
Uchida, Yukimasa, 4,837,460, Cl. 307-296.800.
Ueda, Akihiro; Nakaya, Fuminori; Yuhara, Kouhei; and Aoike, Nanjou, 4,847,537, Cl. 315-200.00R.
Uekusa, Tsutomu, 4,829,589, Cl. 455-26.100.
Ueno, Masaji, 4,839,537, Cl. 307-446.000.
Ueno, Masaji, 4,839,540, Cl. 307-473.000.
Ueno, Masaji; and Masuoka, Hideaki, 4,841,172, Cl. 307-443.000.
Ueno, Masaji, 4,845,386, Cl. 307-446.000.
Ueno, Masaji, 4,877,975, Cl. 307-443.000.
Uesugi, Michika, 4,807,103, Cl. 363-41.000.
Uesugi, Michika, 4,825,351, Cl. 363-79.000.
Umeji, Tadashi, 4,831,430, Cl. 357-46.000.
Umezawa, Toshimitsu, 4,811,100, Cl. 358-166.000.
Umezu, Kenji, 4,813,474, Cl. 165-21.000.
Umezu, Kenji; and Sano, Tetsuo, 4,840,220, Cl. 165-1.000.
Urushibata, Yukio, 4,837,844, Cl. 382-44.000.
Urushibata, Yukio, 4,839,826, Cl. 364-518.000.
Urushibata, Yukio, 4,887,302, Cl. 382-9.000.
Usami, Kimiyoshi, 4,886,987, Cl. 307-465.000.
Usami, Toshiro, 4,879,585, Cl. 357-49.000.
Usui, Yasunori; Okamura, Hiroshi; Uetake, Yoshinari; and Fujiwara, Takashi, 4,882,612, Cl. 357-79.000.
Utoh, Yoshihiro; and Suda, Koichiro, 4,803,724, Cl. 379-433.000.
Uya, Shinji, 4,884,143, Cl. 358-213.280.
Wada, Moriyasu; Suzuki, Shuichi; Wada, Yuusuke; Hayase, Shuzi; and Mikogami, Yukihiro, 4,816,496, Cl. 522-17.000.
Wajima, Hiroki, 4,801,856, Cl. 318-568.000.
Wakayama, Shigeru; and Miura, Akira, 4,848,270, Cl. 118-402.000.
Watanabe, Junji; and Kessoku, Hirobumi, 4,803,516, Cl. 355-4.000.
Watanabe, Junji; and Eguchi, Takeshi, 4,806,968, Cl. 355-3.00R.
Watanabe, Junji; and Iseda, Ken, 4,831,457, Cl. 358-256.000.
Watanabe, Junji; Iseda, Ken; Fukunaga, Takehito; and Tokutsu, Akihito, 4,852,869, Cl. 271-126.000.
Watanabe, Junji, 4,868,918, Cl. 355-233.000.
Watanabe, Junji; Nonami, Hidetaka; and Eguchi, Takeshi, 4,870,456, Cl. 355-245.000.
Watanabe, Junji, 4,884,107, Cl. 355-218.000.
Watanabe, Osamu; Kawai, Mituo; and Kawaguchi, Kanzi, 4,857,120, Cl. 148-325.000.
Watanabe, Shigeyoshi, 4,811,290, Cl. 365-149.000.
Watanabe, Yohji, 4,814,686, Cl. 323-229.000.
Watanabe, Yohji; and Furuyama, Tohru, 4,833,341, Cl. 307-296.100.
Watanabe, Yoshio, 4,831,458, Cl. 358-280.000.
Watanabe, Yoshio, 4,855,817, Cl. 358-75.000.
Watanabe, Yukio, 4,825,141, Cl. 323-271.000.
Yamada, Koji; and Sakamoto, Noriaki, 4,840,037, Cl. 62-199.000.
Yamada, Koji, 4,843,831, Cl. 62-155.000.
Yamada, Masahiro; and Kawai, Kiyoyuki, 4,870,661, Cl. 375-122.000.
Yamada, Tetsuo, 4,810,901, Cl. 307-311.000.
Yamagami, Nobuhiko, 4,823,282, Cl. 364-518.000.
Yamaguchi, Akira; and Kawaai, Toshimasa, 4,803,461, Cl. 341-154.000.
Yamaguchi, Morie; Horita, Chiezo; Suzuki, Shigeo; and Sakata, Yasuo, 4,857,411, Cl. 428-546.000.
Yamaguchi, Ryoji; Odawara, Kazuharu; and Inage, Nobuo, 4,866,697, Cl. 369-290.000.
Yamaguchi, Yoshihiro; Watanabe, Kiminori; Nakagawa, Akio; Furukama, Kazuyoshi; Fukuda, Kiyoshi; and Tanzawa, Katsujiro, 4,878,957, Cl. 148-33.300.
Yamaji, Yasuhiro; Takahashi, Kenji; Hirata, Seiichi; and Sakurai, Toshiharu, 4,855,807, Cl. 357-72.000.
Yamakawa, Tsutomu; and Iwao, Hirofumi, 4,812,656, Cl. 250-363.00R.
Yamamoto, Hiroshi, 4,870,636, Cl. 369-292.000.
Yamamoto, Motoyuki; and Tsuburai, Yasuhiko, 4,855,250, Cl. 437-81.000.
Yamamoto, Naofumi; Saito, Tutomu; and Sekizawa, Hidekazu, 4,806,780, Cl. 250-578.000.
Yamamoto, Noboru; and Matsuoka, Yasuo, 4,800,836, Cl. 118-52.000.
Yamamuro, Mikio, 4,877,953, Cl. 250-214.00R.
Yamanaka, Kazuyuki, 4,855,928, Cl. 364-489.000.
Yamanaka, Kazuyuki; and Shibasaka, Mitsusada, 4,864,514, Cl. 364-489.000.
Yamanishi, Eiichi, 4,816,902, Cl. 358-75.000.
Yamanishi, Eiichi; Abuyama, Yasuo; and Someya, Akihiko, 4,875,092, Cl. 358-75.000.
Yamashita, Mitsuo; and Nakagawa, Shinji, 4,809,036, Cl. 355-3.0DD.
Yamashita, Yohachi; Furukawa, Osamu; Harata, Mitsuo; and Takahashi, Takashi, 4,818,736, Cl. 501-136.000.
Yamaura, Mitsuru, 4,809,305, Cl. 375-112.000.
Yamazaki, Masaya, 4,866,944, Cl. 62-160.000.
Yamazaki, Mutsuki, 4,797,009, Cl. 384-100.000.
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Yanabu, Satoru; Takahashi, Hideomi; Kaneko, Eiji; and Yasuoka, Koichi, 4,841,538, Cl. 372-58.000.
Yasuda, Sachiko; Yoshida, Minoru; Asada, Tomoyuki; and Mukai, Hideo, 4,806,992, Cl. 355-3.0DD.
Yasuki, Seijiro; and Hoshino, Kiyoshi, 4,855,815, Cl. 358-31.000.
Yasuki, Seijiro; and Kawai, Kiyoyuki, 4,870,482, Cl. 358-31.000.
Yoda, Takashi; and Watanabe, Tohru, 4,876,223, Cl. 437-228.000.
Yokoo, Kyoichi; and Nanbu, Takehiko, 4,818,128, Cl. 400-166.000.
Yokota, Kazuto; and Saito, Akihisa, 4,857,741, Cl. 250-486.100.
Yokota, Yukio; Iwase, Isao; and Uematsu, Satoshi, 4,796,124, Cl. 360-76.000.
Yokoyama, Hirotaka; Ido, Tadashi; Maeda, Tatsumi; and Kurisu, Shunji, 4,837,092, Cl. 428-694.000.
Yoneda, Hitoshi; and Kamiyama, Tadanobu, 4,827,352, Cl. 358-287.000.
Yoshida, Tadatoki, 4,866,744, Cl. 378-7.000.
Yoshie, Tsuyoshi, 4,805,458, Cl. 73-602.000.
Yoshikawa, Kuniyoshi, 4,881,108, Cl. 357-23.500.
Yoshikawa, Kuniyoshi, 4,885,261, Cl. 437-228.000.
Yoshimaru, Tomohisa; and Kajitani, Seinosuke, 4,888,751, Cl. 369-36.000.
Yoshino, Teruo, 4,859,884, Cl. 307-646.000.
Yoshino, Thunekazu; Morita, Hiroshi; Nakano, Hirotaka; Hayashi, Nobuo; and Kubota, Yuko, 4,887,760, Cl. 228-56.300.
Yoshioka, Ritsuo; Ueda, Makoto; Motora, Yoichi; and Nakamura, Mitsuharu, 4,876,060, Cl. 376-333.000.
Yoshioka, Yoshihisa, 4,846,188, Cl. 128-661.010.
Yoshizawa, Kazuhiro; Yotsutani, Akio; Saegusa, Noboru; Ito, Koichi; Huse, Syozi; and Toki, Akio, 4,802,201, Cl. 379-62.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,803,139, Cl. 430-57.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,803,141, Cl. 430-58.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,804,605, Cl. 430-57.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,810,605, Cl. 430-58.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,851,312, Cl. 430-57.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, 4,859,552, Cl. 430-57.000.
Yotsutani, Akio; Sako, Yukihiro; Shibata, Toshihiko; and Murata, Yoshitoshi, 4,843,622, Cl. 379-59.000.
Yuge, Akio, 4,825,378, Cl. 364-478.000.
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  Arisawa, Tomoharu, 4,804,569, Cl. 428-47.000.
Kabushiki Kaisha Toyo Seisakusho: *See—*
  Ishii, Masanobu, 4,794,804, Cl. 73-865.600.
  Kimura, Chugo, 4,799,390, Cl. 73-865.600.
  Suzuki, Nobuo; Ota, Ikuhide; and Ishii, Masanobu, 4,847,790, Cl. 364-551.010.
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  Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, 4,841,737, Cl. 62-133.000.
  Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, 4,846,630, Cl. 417-222.000.
  Fukuda, Tatemi; Tsuboi, Masayoshi; Anahara, Meiji; and Yasui, Yoshiharu, 4,813,222, Cl. 57-274.000.
  Fukuda, Tatemi; Kawasaki, Yoshio; Wakai, Masao; Negishi, Kenji; Ono, Isao; and Arita, Isao, 4,819,302, Cl. 19-262.000.
  Hayashi, Takashi, 4,828,066, Cl. 180-142.000.

  Ikeda, Hayato; Tsuzuki, Isao; and Ohta, Kazuhiro, 4,813,852, Cl. 417-269.000.
  Ikeda, Hayato; Kitahama, Satoshi; and Onomura, Hiroshi, 4,836,754, Cl. 417-269.000.
  Ikeda, Hayato; Hoshino, Tatsuyuki; and Sawada, Masahiro, 4,863,356, Cl. 417-269.000.
  Ikeda, Hayato; Mori, Hideo; and Mizutani, Toshinari, 4,867,650, Cl. 417-269.000.
  Ikeda, Hayato; Ohta, Kazuhiro; and Kawamura, Hisato, 4,880,361, Cl. 417-269.000.
  Ikeda, Hayato; Kawamura, Hisato; and Ishihara, Shinichi, 4,886,424, Cl. 417-269.000.
  Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,826,569, Cl. 162-102.000.
  Ito, Tomohito; Isomura, Renichi; Hirai, Hidetoshi; and Gomi, Fukuo, 4,874,495, Cl. 204-212.000.
  Izumi, Akira; and Nagasaka, Ichiro, 4,846,499, Cl. 280-830.000.
  Kawai, Katsunori; Suzuki, Shinichi; Hattori, Mitsuhiro; and Deguchi, Hiroyuki, 4,856,292, Cl. 62-217.000.
  Kimura, Kazuya; Nakamoto, Akira; and Hasegawa, Jun, 4,838,766, Cl. 417-222.000.
  Narita, Toshihide; and Kadokawa, Yoshio, 4,837,694, Cl. 364-426.010.
  Souda, Takeshi; and Matsuoka, Kenichi, 4,827,705, Cl. 56-328.100.
  Suzuki, Shigeru; Ohshiro, Katsuhiko; and Watanabe, Yasushi, 4,846,632, Cl. 417-295.000.
  Suzuki, Shigeru; Ohshiro, Katsuhiko; and Kasugai, Ichiro, 4,886,436, Cl. 418-100.000.
  Suzuki, Shinichi; Hasegawa, Jun; and Takenaka, Kenji, 4,821,527, Cl. 62-209.000.
  Suzuki, Shinichi, 4,841,736, Cl. 62-133.000.
  Suzuki, Shinichi, 4,862,700, Cl. 62-115.000.
  Suzuki, Shinichi; Hibino, Soukichi; Hamaoka, Takahiro; and Ohta, Masaki, 4,880,356, Cl. 417-53.000.
  Watanabe, Yasushi; Kawaguchi, Masahiro; Suzuki, Shinichi; and Nakai, Tatsuya, 4,838,740, Cl. 417-295.000.
  Watanabe, Yasushi; Suzuki, Shinichi; Kawaguchi, Masahiro; and Nakai, Tatsuya, 4,842,490, Cl. 417-295.000.
  Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, 4,844,703, Cl. 417-295.000.
  Yamaguchi, Yutaka, 4,835,968, Cl. 60-422.000.
  Yamamura, Naoki, 4,817,760, Cl. 187-9.00R.
Kabushiki Kaisha Toyoda Kihan: *See—*
  Muguruma, Hiroshi; Toyoda, Hiroshi; and Sawano, Takayasu, 4,834,148, Cl. 140-119.000.
Kabushiki Kaisha Toyota Chuo Kenkyusho: *See—*
  Arai, Tohru; Fujita, Hironori; Sugimoto, Yoshihiko; Ohta, Yukio; Moriyama, Shigeo; and Sato, Akira, 4,818,351, Cl. 204-39.000.
  Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, 4,844,949, Cl. 427-213.000.
  Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, 4,871,401, Cl. 148-14.000.
  Awano, Yoji; Shimizu, Yoshihiro; and Takabatake, Junichi, 4,808,374, Cl. 420-537.000.
  Fujitani, Yoshiyasu; Muraki, Hideaki; and Kondoh, Shiroh, 4,801,620, Cl. 518-715.000.
  Hamaguchi, Shigeki; Otsuka, Yasuhiro; Taga, Yasunori; Motohiro, Tomoyoshi; and Itoh, Tadayoshi, 4,813,768, Cl. 350-347.00R.
  Hamaguchi, Shigeki; Ohtsuka, Yasuhiro; Motohiro, Tomoyoshi; Taga, Yasunori; and Ishii, Masahiko, 4,874,664, Cl. 428-325.000.
  Hattori, Katsuhiko; Suzuki, Hideyuki; and Ogasawara, Takeo, 4,798,561, Cl. 474-28.000.
  Ishiguro, Yasuo; Itou, Yoshizumi; and Shiroshita, Osamu, 4,831,547, Cl. 364-513.000.
  Ishiguro, Yasuo; Itou, Yoshizumi; Shiroshita, Osamu; and Nakano, Masaru, 4,836,742, Cl. 414-742.000.
  Kamigaito, Osami; Doi, Haruo; Noda, Shoji; and Kouzaki, Masao, 4,824,262, Cl. 384-42.000.
  Kano, Hiroyuki; Hashimoto, Masafumi; and Sawaki, Nobuhiko, 4,816,878, Cl. 357-4.000.
  Kano, Hiroyuki; Yagi, Yuji; and Sakaki, Hiroyuki, 4,839,708, Cl. 357-26.000.
  Kano, Yukio; Yoshikawa, Kuniyuki; Kishida, Hideaki; Ito, Hiroshi; and Maeda, Mitsutoshi, 4,839,525, Cl. 250-560.000.
  Kawabata, Susumu; Inoue, Tetsuzo; and Niimi, Hiroshi, 4,879,873, Cl. 57-413.000.
  Kawasumi, Masaya; Kohzaki, Masao; Kojima, Yoshitsugu; Okada, Akane; and Kamigaito, Osami, 4,810,734, Cl. 523-216.000.
  Kozuka, Kazuhiro; Ozasa, Toshihiro; Takahashi, Hideaki; and Kondo, Haruyoshi, 4,869,094, Cl. 73-2.600.
  Matsumoto, Shinichi; Miyoshi, Naoto; Muraki, Hideaki; Sobukawa, Hideo; Fukui, Masayuki; Kimura, Mareo; and Shinjoh, Hirofumi, 4,843,056, Cl. 502-302.000.
  Mizuno, Masahiko; Amano, Yasushi; Yasuda, Eiichi; Doi, Shunichi; Hayashi, Yasutaka; and Yamaguchi, Hiroyuki, 4,834,205, Cl. 180-141.000.
  Ninomiya, Yoshiki; Sugimoto, Gunji; Hongo, Takero; Watanabe, Keiichi; and Arakawa, Hideo, 4,809,178, Cl. 364-443.000.
  Nishibe, Yuji; Nonomura, Yutaka; and Takeuchi, Masaharu, 4,811,609, Cl. 73-862.360.
  Nonomura, Yutaka; Tsukada, Kouji; Nishibe, Yuji; and Takeuchi, Masaharu, 4,803,885, Cl. 73-862.360.
  Ohkubo, Yoichiro; Idota, Yoshinori; and Tanasawa, Yasusi, 4,850,195, Cl. 60-738.000.
  Ohta, Yukio; Moriyama, Shigeo; Sato, Akira; Arai, Tohru; Fujita, Hironori; and Sugimoto, Yoshihiko, 4,804,445, Cl. 204-39.000.
  Ohwaki, Takeshi; and Taga, Yasunori, 4,855,176, Cl. 428-195.000.
  Omura, Yoshiteru; Kawaguchi, Kazuyoshi; Tsukada, Kouji; Sugiyama, Susumu; Hayashi, Sadayuki; and Matsui, Masayuki, 4,833,929, Cl. 73-862.680.
  Sugimoto, Gunji; and Hongo, Takero, 4,860,209, Cl. 364-424.020.
  Sugimoto, Hisashi; and Watanabe, Goro, 4,851,636, Cl. 219-121.590.
  Tachi, Kazuyuki; Okuda, Chikaaki; Yamada, Katsunori; Oyama, Yoichi; and Suzuki, Shoichi, 4,798,335, Cl. 239-296.000.
  Takahashi, Hideaki; Kondo, Haruyoshi; and Saji, Keiichi, 4,844,788, Cl. 204-406.000.
  Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-445.000.
Kabushiki Kaisha Tsuchiya Seisakusho: *See—*
  Furuya, Katsuji, 4,856,487, Cl. 123-574.000.
Kabushiki Kaisha Tsumura Juntendo: *See—*
  Itsuo, Nishioka; Genichiro, Nonaka; Michihiro, Fujiwara; and Showa, Ueki, 4,806,659, Cl. 549-399.000.
Kabushiki Kaisha Ueno Seiyaku Oyo Kenkyujo: *See—*
  Ueno, Ryuzo; Ito, Shigeru; Fujimoto, Shin; and Iwao, Mayumi, 4,804,415, Cl. 106-496.000.
  Ueno, Ryuzo; Ueno, Ryuji; Kuno, Sachiko; and Tabata, Akihiko, 4,840,941, Cl. 514-59.000.
  Ueno, Ryuzo; Katsura, Shinichi; Uchiyama, Yoshirou; and Inoue, Satomi, 4,855,482, Cl. 560-56.000.
  Ueno, Ryuzo; Ueno, Ryuji; Kita, Hiroshi; Kato, Ichie; Tabata, Akihiko; and Hironaka, Takashi, 4,868,203, Cl. 514-423.000.
  Ueno, Ryuzo; and Ueno, Ryuji, 4,869,270, Cl. 128-844.000.
Kabushiki Kaisha Universal: *See—*
  Bessho, Naokata; and Eguchi, Norio, 4,826,169, Cl. 273-143.00R.
  Okada, Kazuo, 4,821,863, Cl. 194-344.000.
  Okada, Kazuo, 4,822,318, Cl. 453-57.000.
  Okada, Kazuo, 4,889,339, Cl. 273-143.00R.
  Shirasawa, Masaharu, 4,802,380, Cl. 74-523.000.
Kabushiki Kaisha WACOM: *See—*
  Murakami, Azuma; Taguchi, Yoshinori; Takahashi, Kenichi; Tanaka, Takeshi; and Tomofuji, Yoshiaki, 4,832,144, Cl. 178-18.000.
Kabushiki Kaisha Wako Sangyo: *See—*
  Yamakawa, Masami; and Tomita, Osamu, 4,818,973, Cl. 340-572.000.
Kabushiki Kaisha Watanabe Kogyo: *See—*
  Tanaka, Shigeyoshi, 4,827,754, Cl. 72-316.000.
Kabushiki Kaisha Yaita Seisakusho: *See—*
  Yaita, Shigeru, 4,840,510, Cl. 401-149.000.
Kabushiki Kaisha Yakult Honsha: *See—*
  Ishiwa, Hiromi; Shibahara, Harue; Mutai, Masahiko; and Tsuchida, Nobuo, 4,876,202, Cl. 435-320.000.
  Kan, Tatsuhiko; Kobayashi, Yoichi; Sonoike, Yoshiko; Terashima, Tsuneo; and Mutai, Masahiko, 4,859,488, Cl. 426-658.000.
  No, Shinichiro; and Kimura, Minao, 4,815,781, Cl. 294-88.000.
  No, Shinichiro; and Kimura, Minao, 4,828,304, Cl. 294-2.000.
Kabushiki Kaisha Yamahiro: *See—*
  Kawashita, Fukunosuke, 4,874,278, Cl. 411-386.000.
Kabushiki Kaisha Yamanakaya: *See—*
  Yamanaka, Atsuko, 4,831,388, Cl. 346-95.000.
Kabushiki-Kaisha Yamau: *See—*
  Kawasaki, Masaki; and Mizukami, Kunio, 4,800,184, Cl. 501-140.000.
  Kawasaki, Masaki, 4,889,666, Cl. 264-22.000.
Kabushiki Kaisha Yaskawa Denki Seisakusho: *See—*
  Ikeda, Michiaki; Kaku, Hisayuki; Yamashita, Shinji; Hara, Kenji; and Ono, Hiroyuki, 4,851,771, Cl. 324-208.000.
  Karashima, Kunihiko; Kumada, Shoji; Yoshida, Katsumasa; and Katase, Hiroharu, 4,862,044, Cl. 318-254.000.
  Kimura, Kaoru; Nishi, Masanori; and Minami, Yoshikatsu, 4,884,189, Cl. 364-474.310.
  Matsubara, Chiaki; Ishikawa, Hirokuni; and Ojima, Masao, 4,890,186, Cl. 361-103.000.
  Sakurai, Shigeru; Hasuo, Akiho; and Tanabe, Kazuo, 4,795,954, Cl. 318-661.000.
  Suzuki, Takeo; and Yuyama, Junpei, 4,848,814, Cl. 294-1.100.
Kabushiki Kaisha Yokoyama Seisakusho: *See—*
  Yokoyama, Michihiro, 4,797,986, Cl. 29-159.200.
  Yokoyama, Michihiro, 4,800,745, Cl. 72-336.000.
  Yokoyama, Michihiro, 4,839,952, Cl. 29-159.200.
Kabushiki Kaisha Yoneda Tekkoh: *See—*
  Itoh, Sigeki; and Yoneda, Kiyoshi, 4,831,948, Cl. 112-80.430.
Kabushiki Kaisya Advance: *See—*
  Ohta, Midori, 4,883,668, Cl. 424-448.000.
  Sugoh, Yoshihisa; and Ochi, Yasuo, 4,861,572, Cl. 423-339.000.
Kabushiki Kaisya Advance Kaihatsu Kenkyujo: *See—*
  Imai, Hideki; and Sasaki, Minoru, 4,839,649, Cl. 341-65.000.
  Kawai, Yasuo; Yazawa, Kazunaga; Suegara, Nobuo; and Shimohashi, Hirotaka, 4,797,278, Cl. 424-93.000.
  Kawai, Yasuo; and Yazawa, Kazunaga, 4,812,441, Cl. 514-2.000.
  Kawai, Yasuo; and Oshida, Yoshiaki, 4,824,945, Cl. 536-27.000.
  Kawai, Yasuo; and Yazawa, Kazunaga, 4,833,129, Cl. 514-44.000.
  Sasaki, Minoru, 4,796,638, Cl. 128-696.000.
Kabushikigaisha Ariyoshikikoushuudan: *See—*
  Ariyoshi, Yukihiko, 4,869,127, Cl. 74-675.000.
Kabushikigaisha Nanami: *See—*
  Nanami, Hiroo, 4,820,255, Cl. 493-451.000.

- Kabushikikaisha Tokyo Kikai Seisakusho: *See—*
  - Hatakeyama, Tetsuo; Uera, Yoshinori; and Nagao, Nobuaki, 4,801,109, Cl. 242-72.100.
  - Kawata, Tomoshi, 4,860,652, Cl. 101-348.000.
  - Okamura, Yuuichi, 4,796,549, Cl. 101-350.000.
  - Yoshida, Kouichi; and Harada, Noritake, 4,879,951, Cl. 101-363.000.
- Kabushikikaisha Germax: *See—*
  - Kakimoto, Norihiro; Sakai, Teizou; and Sasaki, Yoshinori, 4,849,236, Cl. 426-322.000.
- Kabushikikaisha Ishida Koki Seisakusho: *See—*
  - Mikami, Yoshiharu; Kubo, Michihiro; and Fukuda, Masao, 4,844,191, Cl. 177-25.180.
- Kabushikikaisha Kibun: *See—*
  - Katoh, Noboru; Sakuma, Shuzo; Sato, Shiego; Wakayama, Sachio; and Nozaki, Hisashi, 4,816,279, Cl. 426-513.000.
  - Kitazume, Kiyoshi; Nakamura, Yasuharu; Ochiai, Hiromichi; and Nozaki, Hisashi, 4,885,185, Cl. 426-598.000.
  - Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,806,367, Cl. 426-46.000.
  - Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,877,622, Cl. 426-46.000.
- Kabushikikaisha Kibun Foodchemifa: *See—*
  - Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,806,367, Cl. 426-46.000.
- Kabushikikaisha Kiken: *See—*
  - Onuki, Toru; Sagawa, Junichi; Watanabe, Tamotsu; and Yoshimitsu, Toshio, 4,876,158, Cl. 428-565.000.
- Kabushikikaisha Toshonishiwaki: *See—*
  - Nishiwaki, Kokichi, 4,818,573, Cl. 427-403.000.
- Kabushikikiaisha Kibun Foodchemifa: *See—*
  - Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,877,622, Cl. 426-46.000.
- Kabushuikigaisha Kiriyama Shinkenzai: *See—*
  - Kiriyama, Jiro, 4,826,381, Cl. 411-443.000.
- Kacalieff, Christ D., to Chris Kaye Plastics Corp. Method of assembling a molded hub and tire. 4,870,736, 10-3-89, Cl. 29-159.100.
- Kachanis, Robert E.: *See—*
  - Mezzancella, Edward J.; and Kachanis, Robert E., 4,818,040, Cl. 305-12.000.
- Kachel, Helmut: *See—*
  - Worschech, Kurt; Wedl, Peter; Kachel, Helmut; and Schult, Guenter, 4,857,216, Cl. 252-39.000.
- Kachi, Kenjiro; and Honda, Tetsuya, to Kabushi Kaisha Nippon Coinco. Read/write apparatus for information memory card. 4,810,863, 3-7-89, Cl. 235-441.000.
- Kachik, Robert H., to Orgo-Thermit Inc. Rebuilding worn hammer mill hammers. 4,856,170, 8-15-89, Cl. 29-402.180.
- Kachikian, Kevin R., to Software Heaven, Inc. Copy protection for computer discs. 4,849,836, 7-18-89, Cl. 360-60.000.
- Kachikian, Kevin R.: *See—*
  - Sprague, Richard P.; and Kachikian, Kevin R., 4,805,220, Cl. 381-51.000.
- Kachmarik, David: *See—*
  - Colley, William C., III; and Kachmarik, David, 4,831,507, Cl. 363-21.000.
- Kachuk, Paul T., to Flint & Walling, Inc. Rotor shaft with corrosion resistant ferrule for pumps motor. 4,810,918, 3-7-89, Cl. 310-90.000.
- Kachuk, Paul T., to Flint & Walling, Inc. Governor and motor assembly. 4,885,440, 12-5-89, Cl. 200-80.00R.
- Kacsala, Michael S.: *See—*
  - Deucher, Joseph S.; Kacsala, Michael S.; and Szpak, Anthony D., 4,805,202, Cl. 378-209.000.
- Kacsoh, Balint: *See—*
  - Grosvenor, Clark E.; and Kacsoh, Balint, 4,833,166, Cl. 514-12.000.
- Kaczanowicz, Edward: *See—*
  - Salomon, Robert E.; Crow, Jack E.; and Kaczanowicz, Edward, 4,866,030, Cl. 505-1.000.
- Kaczich, Anke: *See—*
  - Hoeffkes, Horst; and Kaczich, Anke, 4,824,594, Cl. 252-174.210.
- Kaczmarczyk, Edward T.; Rae, Rory; and Noyes, Roger A., to Deere & Company. Method and apparatus for attaching a loader to a tractor. 4,798,511, 1-17-89, Cl. 414-686.000.
- Kaczmarek nee Sebestyen, Judit: *See—*
  - Szabo, Tibor; Vidra nee Sandor, Ildiko ; Dalmadi, Gyula; Kaczmarek nee Sebestyen, Judit; and Ori, Janos, 4,820,852, Cl. 549-539.000.
- Kaczmarek, Richard, to Reliance Comm/Tec Corporation. Central office protector module with alarm indicator. 4,876,626, 10-24-89, Cl. 361-119.000.
- Kaczmarek, Richard, to Reliance Comm/Tec Corporation. Line protector. 4,878,146, 10-31-89, Cl. 361-119.000.
- Kaczmarski, Wally L.: *See—*
  - Watts, Verne C.; Loraas, Orlan J.; Kaczmarski, Wally L.; and Asche, James E., 4,811,983, Cl. 296-190.000.
- Kaczor, Charles E.: *See—*
  - Kent, Allan R.; Stewart, Robert E.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; and Metz, Donald R., 4,845,722, Cl. 370-58.000.
  - Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagame, Steven P.; and Kirk, Robert C., 4,887,076, Cl. 340-825.160.
- Kaczynski, Bernhard; Schmitt, Alfred; Eblen, Ewald; and Komaroff, Iwan, to Robert Bosch GmbH. Device for injecting fuel into a combustion chamber of an internal combustion engine. 4,821,696, 4-18-89, Cl. 123-298.000.
- Kaczynski, Bernhard; and Schmitt, Alfred, to Robert Bosch GmbH. Fuel injection nozzle for internal combustion engines. 4,834,043, 5-30-89, Cl. 123-297.000.
- Kaczynski, Jeffrey L., to Seatek Company Incorporated. Suspended ceiling cable slide. 4,865,294, 9-12-89, Cl. 254-134.30R.
- Kaczynski, Ulrich; Schmidt, Peter; and Paul, Hans-Helmut, to Ernst Leitz Wetzlar GmbH. Automatic handling apparatus for plate-shaped objects. 4,871,290, 10-3-89, Cl. 414-331.000.
- Kada, Masumi: *See—*
  - Nakano, Yoshitomo; and Kada, Masumi, 4,876,324, Cl. 528-142.000.
- Kada, Yasutosi: *See—*
  - Shirai, Yoshimichi; Ibe, Hiromitu; Kada, Yasutosi; and Sugishima, Kazushi, 4,862,575, Cl. 29-424.000.
- Kadaba, Pankaja K. 1-aryl-5-(2-oxo-1-pyrrolidinyl)-1,2,3-triazolines as novel anticonvulsants. 4,820,721, 4-11-89, Cl. 514-359.000.
- Kadah, Andrew S.; and Frazer, Kenneth G., to Kadah, Andrew S. Solid state motor start circuit. 4,820,964, 4-11-89, Cl. 318-786.000.
- Kadakia, Dixit B.; and Wright, Wayne V., to BS & B Safety Systems, Inc. Safety pressure relief device and method for making the same. 4,819,823, 4-11-89, Cl. 220-89.00A.
- Kadakia, Shailesh R., to Texas Instruments Incorporated. Single-ended sense amplifier with positive feedback. 4,823,031, 4-18-89, Cl. 307-530.000.
- Kadakia, Shailesh R., to Texas Instruments Incorporated. Integrated-circuit power-up pulse generator circuit. 4,888,498, 12-19-89, Cl. 307-296.400.
- Kadam, Jill R. C.: *See—*
  - Freed, Lisa E.; Kadam, Jill R. C.; Drinker, Philip A.; Thebeau, J. Richard; and Langer, Robert S., 4,846,786, Cl. 604-4.000.
- Kadan Enterprises, Inc.: *See—*
  - Simmons, Clayton, 4,848,979, Cl. 407-103.000.
- Kadash, Raymond J.: *See—*
  - Frisco, Frank D.; Kadash, Raymond J.; and Silverman, Keith B., 4,887,903, Cl. 356-372.000.
- Kadavy, Thomas D.: *See—*
  - Airy, James F.; and Kadavy, Thomas D., 4,801,138, Cl. 272-130.000.
- Kade, Alexander: *See—*
  - Agarwal, Paul D.; and Kade, Alexander, 4,807,134, Cl. 364-426.020.
- Kade, Werner; Bahr, Theodor; Zurn, Georg; and Rohde, Gunter, to J. M. Voith, GmbH. Method for cylindrical grinding of rolls. 4,800,687, 1-31-89, Cl. 51-289.00R.
- Kade, Werner; Buck, Rudi; Freiler, Bruno; and Wolf, Karl, to J. M. Voith GmbH. Stationary support member for web producing machine. 4,865,692, 9-12-89, Cl. 162-352.000.
- Kade, Werner, to J.M. Voith GmbH. Expanding body for use in a headbox or a stationary support device. 4,867,847, 9-19-89, Cl. 162-289.000.
- Kade, Werner; and Rahmig, Hermann, to J.M. Voith GmbH. Headbox for paper machine with hollow expanding member for profile bar adjustment. 4,877,486, 10-31-89, Cl. 162-336.000.
- Kadee Metal Products Co.: *See—*
  - Edwards, Clarence K.; and Edwards, Lawrence D., 4,799,431, Cl. 105-1.500.
- Kadenczky, Lajos: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan Katalin, 4,866,043, Cl. 514-75.000.
- Kader, Lawrence L.: *See—*
  - Bishop, Gerald L., Jr.; Bogart, Robert W.; and Kader, Lawrence L., 4,827,136, Cl. 250-484.100.
- Kadia Diamond Hone Corporation: *See—*
  - Kopp, Oswald, 4,852,998, Cl. 51-309.000.
- Kadien, Thomas C.: *See—*
  - McGee, Jeffrey S.; and Kadien, Thomas C., 4,852,825, Cl. 242-195.000.
- Kadifa, Abdo G.: *See—*
  - Hansen, Ronald D.; Mock, Clayton W.; and Kadifa, Abdo G. 4,859,995, Cl. 340-710.000.
- Kadin, Saul B., to Pfizer Inc. Analgesic and antiinflammatory 1,3-diacyl-2-oxindole compounds. 4,808,601, 2-28-89, Cl. 514-374.000.
- Kadis, Paul M., to Teledyne Industries, Inc. Self-lubricating die cylinder. 4,815,718, 3-28-89, Cl. 267-119.000.
- Kadish, Ehud. Body rest with means for preventing pressure sores 4,799,276, 1-24-89, Cl. 5-446.000.
- Kadjar, Daniel: *See—*
  - Hommani, Noureddine; and Kadjar, Daniel, 4,823,891, Cl. 175-323.000.
- Kadkade, Prakash G., to GTE Laboratories Incorporated. Method of thinning fruitlets or fruits of crops. 4,819,373, 4-11-89, Cl. 47-58.000.
- Kadle, Durgaprasad S., to General Motors Corporation. Condenser with improved flow path. 4,831,844, 5-23-89, Cl. 62-507.000.
- Kadlec, John D.: *See—*
  - Ahmed, Salah H.; Kadlec, John D.; and Luksas, Anthony J. 4,804,552, Cl. 426-580.000.
- Kadlec, Phillip E.: *See—*
  - Case, Bruce E.; and Kadlec, Phillip E., 4,863,119, Cl. 244-152.000.
- Kadlecik, John: *See—*
  - Barton, Bruce C.; and Kadlecik, John, 4,828,410, Cl. 400-144.100.
- Kadleck, Richard G.; and Nowak, William W., to Shelby Paper Box Co., The. Carton having a horizontal object holding panel and blank. 4,875,585, 10-24-89, Cl. 206-426.000.
- Kadlub, Thomas E., to Movats Incorporated. Method of extracting packing material from a stuffing box. 4,841,620, 6-27-89, Cl. 29-426.400.
- Kado, Tsutomu: *See—*
  - Hirota, Fumio; Kado, Tsutomu; Oku, Shosuke; and Watanabe, Noboru, 4,879,335, Cl. 524-495.000.
- Kadohara, Terutake: *See—*
  - Suda, Yasuo; Higashihara, Masaki; and Kadohara, Terutake, 4,855,777, Cl. 354-402.000.
- Kadoi, Sho: *See—*
  - Aya, Toshihiko; and Kadoi, Sho, 4,831,104, Cl. 528-184.000.
- Kadoike, Katsuaki: *See—*
  - Masuda, Mitsuyoshi; Fukura, Kenichi; Kadoike, Katsuaki; and Nishikawa, Kazuhiro, 4,830,428, Cl. 296-219.000.
- Kadokawa, Yoshio: *See—*
  - Narita, Toshihide; and Kadokawa, Yoshio, 4,837,694, Cl. 364-426.010.
- Kadokawa, Yuichi; Uchiyama, Hiroki; and Yamada, Wasaku, to Ricoh Company, Ltd. Voice signal coding method. 4,870,685, 9-26-89, Cl. 381-31.000.
- Kadokura, Hidekimi; Sawara, Kenichi; and Yako, Tadaaki, to Sumitomo Chemical Company, Ltd. Purification of organometallic compounds. 4,797,500, 1-10-89, Cl. 556-1.000.
- Kadokura, Hidekimi; and Saegusa, Kunio, to Sumitomo Chemical Company, Limited. Lamina and a cosmetic comprising the same. 4,882,143, 11-21-89, Cl. 424-59.000.
- Kadokura, Kenji: *See—*
  - Kida, Shuji; Kaneko, Yutaka; Kadokura, Kenji; Yoshimoto, Shinji; and Masuda, Kosaku, 4,839,264, Cl. 430-505.000.
- Kadokura, Kenzi: *See—*
  - Kaneko, Yutaka; Kadokura, Kenzi; Nishijima, Toyoki; and Onodera, Kaoru, 4,863,842, Cl. 430-551.000.
- Kadokura, Sadao; Honjo, Kazuhiko; Tomie, Takashi; and Naoe, Masahiko, to Teijin Limited. Perpendicular magnetic recording medium, method for producing the same, and sputtering device. 4,842,708, 6-27-89, Cl. 204-298.000.
- Kadokura, Sadao; Kamei, Kazuhiro; and Honjyo, Kazuhiko, to Teijin Limited. Magnetic head assembly for a flexible magnetic disk drive unit. 4,858,043, 8-15-89, Cl. 360-99.010.
- Kadoma, Yoshihito: *See—*
  - Kohashi, Hitoshi; Shizuka, Nobuhiko; and Kadoma, Yoshihito, 4,888,132, Cl. 252-393.000.
- Kadomatsu, Seiji: *See—*
  - Watanabe, Junichi; Misumi, Kozo; Miyaguchi, Masanobu; Kadomatsu, Seiji; and Nakazawa, Sei, 4,822,838, Cl. 524-178.000.
- Kadomatsu, Yasuo: *See—*
  - Tajima, Shoji; Kadomatsu, Yasuo; Miyazaki, Yoshio; Sakurai, Michikazu; and Anze, Kimio, 4,860,417, Cl. 29-130.000.
- Kadomiya, Ronald H.: *See—*
  - Carlson, Vincent; Fenlon, Michael N.; Mansur, Robert P.; and Kadomiya, Ronald H., 4,859,100, Cl. 400-715.000.
- Kadomukai, Yuzo: *See—*
  - Tojo, Kenji; Kadomukai, Yuzo; Takao, Kunihiko; Nakamura, Yozo; Suginuma, Atsushi; Hayase, Isao; and Takahashi, Yukio, 4,801,248, Cl. 417-222.000.
- Kadono, Shinji: *See—*
  - Suzuki, Yukio; Masuda, Ikuro; Iwamura, Masahiro; Kadono, Shinji; Uragami, Akiro; Yoshimura, Masayoshi; and Matsubara, Toshiaki, 4,879,480, Cl. 307-446.000.
- Kadono, Takashi, to Minolta Camera Kabushiki Kaisha. Memory device. 4,881,206, 11-14-89, Cl. 365-227.000.
- Kadono, Takashi: *See—*
  - Nishiyama, Masaaki; and Kadono, Takashi, 4,847,787, Cl. 364-518.000.
  - Nishiyama, Masaaki; and Kadono, Takashi, 4,864,414, Cl. 358-261.400.
- Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., to Denning Mobile Robotics, Inc. Orientation adjustment system and robot using same. 4,815,008, 3-21-89, Cl. 364-513.000.
- Kadonoff, Mark B.; Maddox, James F.; George, Robert W., II; and Benayad-Cherif, Faycal E., to Denning Mobile Robotics, Inc. Beacon navigation system and method for guiding a vehicle. 4,829,442, 5-9-89, Cl. 364-449.000.
- Kadonoff, Mark B.: *See—*
  - Taivalkoski, Amy L.; and Kadonoff, Mark B., 4,821,192, Cl. 364-424.020.
- Kadoo, Fumio: *See—*
  - Saito, Yuichi; and Kadoo, Fumio, 4,828,364, Cl. 350-339.00F.
- Kadooka, Hideshi: *See—*
  - Hashimoto, Isao; and Kadooka, Hideshi, 4,870,284, Cl. 250-423.00R.
- Kadosawa, Tsuneaki: *See—*
  - Sorimachi, Kanehiro; and Kadosawa, Tsuneaki, 4,818,858, Cl. 250-201.000.
- Kadota, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Memory device with comparison function. 4,823,313, 4-18-89, Cl. 365-49.000.
- Kadota, Hiroshi: *See—*
  - Okamoto, Tadashi; Kadota, Hiroshi; Miyake, Jiro; Okabayashi, Ichiro; and Maeda, Yoshinori, 4,879,687, Cl. 365-200.000.
- Kadota, Kazuya: *See—*
  - Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.
- Kadota, Koji: *See—*
  - Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,796,798, Cl. 228-146.000.
- Kadota, Kuninobu, to Bridgestone Corporation. Pneumatic radial tires for airplanes. 4,807,681, 2-28-89, Cl. 152-531.000.
- Kadota, Kuninobu; and Masuda, Hidenori, to Bridgestone Corporation. Heavy duty pneumatic radial tire with a carcass ply composed of aromatic polyamide fiber cords. 4,846,238, 7-11-89, Cl. 152-554.000.
- Kadota, Shigenobu: *See—*
  - Imai, Harumitsu; Suzuki, Ken-ichi; Miyazaki, Shigeru; and Kadota, Shigenobu, 4,843,008, Cl. 435-252.100.
- Kadota, Yasushi; and Nishida, Yoshikazu, to Koyo Seiko Co., Ltd. Tensioner. 4,832,665, 5-23-89, Cl. 474-112.000.
- Kadotani, Hideo: *See—*
  - Kadotani, Kazuo; and Kadotani, Hideo, 4,823,581, Cl. 72-105.000.
- Kadotani, Kazuo. Wheel-body forming apparatus. 4,823,580, 4-25-89, Cl. 72-105.000.
- Kadotani, Kazuo; and Kadotani, Hideo. Bearing wheel body forming apparatus. 4,823,581, 4-25-89, Cl. 72-105.000.
- Kadotani, Kazuo. Ring shaping apparatus. 4,869,088, 9-26-89, Cl. 72-10.000.
- Kadotani, Masanori: *See—*
  - Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshihara, 4,875,665, Cl. 267-170.000.
- Kadotsuji, Akira: *See—*
  - Hasegawa, Katsumi; Ohno, Michio; and Kadotsuji, Akira, 4,852,819, Cl. 242-18.00R.
- Kadow, John F.: *See—*
  - Vyas, Dolatrai M.; Saulnier, Mark G.; and Kadow, John F., 4,853,467, Cl. 536-17.900.
  - Vyas, Dolatrai M.; Saulnier, Mark G.; and Kadow, John F., 4,874,851, Cl. 536-17.200.
- Kadowaki, Hidejiro; Hosaka, Akihito; and Matsumoto, Kenichi, to Canon Kabushiki Kaisha. Original reading apparatus with light source switching without a switching circuit. 4,812,900, 3-14-89, Cl. 358-75.000.
- Kadowaki, Koju; Sarumaru, Kohei; and Shibano, Takeshi. Process for producing acrolein and acrylic acid. 4,837,360, 6-6-89, Cl. 562-546.000.
- Kadowaki, Koju; Sarumaru, Kohei; and Shibano, Takeshi, to Mitsubishi Petrochemical Company Limited. Process for producing acrylic acid. 4,873,368, 10-10-89, Cl. 562-532.000.
- Kadowaki, Nobuo: *See—*
  - Endoh, Hiroshi; Zama, Yoshimasa; Kadowaki, Nobuo; Yatuka, Takeshi; Nagai, Hiroshi; and Mizumura, Yutaka, 4,859,523, Cl. 428-215.000.
- Kadowaki, Satoshi; and Furuya, Hiroyuki, to Honda Giken Kogyo Kabushiki Kaisha. Working line for side panel for motorcar. 4,813,587, 3-21-89, Cl. 228-4.100.
- Kadowaki, Toshihiro: *See—*
  - Suzuki, Yasumichi; Ikeda, Yoshinori; Katoh, Koichi; Ohnishi, Tetsuya; Kadowaki, Toshihiro; and Honma, Toshio, 4,873,570, Cl. 358-80.000.
- Kadoya, Norio; Kawachi, Jun; and Miyazawa, Keiji, to Yamatake-Honeywell Co. Ltd. Two-wire transmitter. 4,841,296, 6-20-89, Cl. 340-870.160.
- Kadwell, Brian J.; Fowler, Daniel L.; and Gawron, Gregory F., to Robertshaw Controls Company. Control unit and method of making the same. 4,829,161, 5-9-89, Cl. 219-501.000.
- Kadziela, Kris: *See—*
  - Drain, Kieran F.; and Kadziela, Kris, 4,837,295, Cl. 528-111.000.
  - Drain, Kieran F.; and Kadziela, Kris, 4,886,842, Cl. 522-103.000.
- Kaede, Kazuhisa; and Shimosaka, Naoki, to NEC Corporation. Method and apparatus for an oscillation frequency separation among a plurality of laser devices. 4,835,782, 5-30-89, Cl. 372-32.000.
- Kaede, Kazuhisa: *See—*
  - Fujiwara, Masahiko; Shikada, Minoru; and Kaede, Kazuhisa, 4,807,227, Cl. 370-3.000.
- Kaeding, Warren W., to Mobil Oil Corporation. Process for manufacturing light olefins. 4,849,573, 7-18-89, Cl. 585-640.000.
- Kaefele, KG: *See—*
  - Koch, Gerhard; and Holzle, Roland, 4,817,241, Cl. 16-238.000.
- Kaelin, John J.; and Port, Gary L., to Huck Manufacturing Company. Hydraulically actuated lockbolt collar cutter and method of cutting a collar. 4,807,348, 2-28-89, Cl. 29-426.400.
- Kaelin, John J.: *See—*
  - Port, Gary L.; and Kaelin, John J., 4,878,372, Cl. 72-391.000.
- Kaemmer, Eduard: *See—*
  - Hammon, Fritz; Heim, Uwe; Kaemmer, Eduard; and Reuther, Hans-Peter, 4,868,017, Cl. 427-356.000.
- Kaempf, Guenther: *See—*
  - Seibel, Markus; and Kaempf, Guenther, 4,842,982, Cl. 430-156.000.
- Kaempf, Ulrich: *See—*
  - Tullis, Barclay J.; Bailey, John S.; Gunawardena, D. R.; and Kaempf, Ulrich, 4,875,825, Cl. 414-786.000.
- Kaepa, Inc.: *See—*
  - Skaja, Joseph J., 4,837,960, Cl. 40-636.000.
- Kaercher, Leo T.: *See—*
  - Colin, Joseph F.; Kaercher, Leo T.; and Roberts, Charles D., 4,798,368, Cl. 266-259.000.
  - Colin, Joseph F.; Kaercher, Leo T.; and Roberts, Charles D., 4,861,394, Cl. 148-153.000.
- Kaercher, Michael, to Hewlett-Packard Company. Strain relieving device in combination with electrical cables. 4,845,316, 7-4-89, Cl. 174-135.000.

Kaeriyama, Kyoji: *See—*

Tanaka, Susumu; Sato, Masaaki; Kaeriyama, Kyoji; Suda, Yoshio; and Hiraide, Takao, 4,877,852, Cl. 526-256.000.

Kaeriyama, Toshiyuki: *See—*

Imamura, Youichiro; Kaeriyama, Toshiyuki; and Ishimoto, Hironori, 4,855,798, Cl. 357-71.000.

Kaes, Elmar: *See—*

Stoss, Peter; and Kaes, Elmar, 4,806,542, Cl. 514-274.000.

Kaes, Guenter; and Stegmaier, Alwin, to Robert Bosch GmbH. Hydraulic vehicle brake system with anti-skid device. 4,832,416, 5-23-89, Cl. 303-110.000.

Kaes, Guenter, to Robert Bosch GmbH. Magnetic valve with connection device for brake systems 4,869,562, 9-26-89, Cl. 303-119.000.

Kaes, Guenter: *See—*

Jonner, Wolf-Dieter; Kaes, Guenter; Maisch, Wolfgang; and Stegmaier, Alwin, 4,805,965, Cl. 303-100.000.

Kaeser, Henry E. Diesel particulate infusion controller. 4,803,838, 2-14-89, Cl. 60-288.000.

Kaesler, Ralph W.; Robinson, Donald G.; Moss, Wayne L.; and Failon, Brian K., to Nalco Chemical Company. Filtration aids for removal of calcium solids from aqueous phosphoric acid. 4,800,071, 1-24-89, Cl. 423-321.00R.

Kaesler, Ralph W.: *See—*

Fong, Dodd W.; and Kaesler, Ralph W., 4,829,121, Cl. 524-555.000.

Kaesmacher, Jakob: *See—*

Blank, Kurt, Halberschmidt, Friedrich; Reinmold, Heinz-Josef; Audi, Josef; Kaesmacher, Jakob; Reinicke, Ralf; and Niedenhoff, Udo, 4,853,019, Cl. 65-106.000.

Kaessmann, Hans-Jurgen, to Opti-Patents-, Forschungs-und Fabrikations-AG. Wound-closure device and method. 4,881,546, 11-21-89, Cl. 128-335.000.

Kaesz, Herbert D.: *See—*

Marlett, Everett M.; Frey, Frederick W.; Johnston, Steven W.; and Kaesz, Herbert D., 4,866,191, Cl. 556-171.000.

Kaetscher, Erich; Stauner, Jakob; and Huemmeler, Alexander, to Siemens Aktiengesellschaft. Sealing device for pipe connectors discharging into a vessel, in particular a steam generator. 4,850,600, 7-25-89, Cl. 277-101.000.

Kaetsu, Isao; Kumakura, Minoru; Suyama, Hidenari; Kameda, Nobuo; and Koyama, Hideo, to Japan Atomic Energy Research Institute; and Tokyo Contact Lens Research Institute. Process for producing a contact lens. 4,839,109, 6-13-89, Cl. 264-1.400.

Kaetsu, Isao: *See—*

Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.

Kaetzel, Gilbert C.: *See—*

Kowalczyk, Ludwik; and Kaetzel, Gilbert C., 4,805,821, Cl. 225-96.500.

Kafka, James D., to Spectra-Physics, Inc. Laser diode pumped fiber lasers with pump cavity. 4,829,529, 5-9-89, Cl. 372-6.000.

Kafka, James D.; and Baer, Thomas M., to Spectra-Physics, Inc. Subpicosecond fiber laser. 4,835,778, 5-30-89, Cl. 372-6.000.

Kafka, James D.; Linne, Mark; and Baer, Thomas M., to Spectra-Physics, Inc. Continuum generation with miniaturized Q-switched diode pumped solid state laser. 4,847,850, 7-11-89, Cl. 372-71.000.

Kafri, Oded; and Glatt, Ilana, to Rotlex Optics Ltd. Method and apparatus for optical examination of an object particularly by moire ray deflection mapping. 4,810,895, 3-7-89, Cl. 250-571.000.

Kafri, Oded; and Kreske, Kathi M., to Rotlex Optics Ltd. Optical examination apparatus particularly useful as a Fizeau interferometer and schlieren device. 4,854,708, 8-8-89, Cl. 356-359.000.

Kaftan, John A. Sliding screen closer. 4,819,295, 4-11-89, Cl. 16-72.000.

Kaga, Gary: *See—*

Arnott, John; and Kaga, Gary, 4,874,099, Cl. 211-50.000.

Kaga, Hideki; and Kobayashi, Hisanori, to Nippondenso Co., Ltd. Joint structure for fluid supply pump and fluid supply pipe. 4,798,522, 1-17-89, Cl. 417-363.000.

Kaga, Kikuo, to Sumitomo Corporation; and Sobu Ready Mix Concrete Co., Ltd. Method of producing concrete. 4,795,263, 1-3-89, Cl. 366-8.000.

Kaga, Koichi; Hosoi, Akio; and Yamaguchi, Takao, to Toyoda Gosei Co., Ltd. Steering wheel. 4,872,364, 10-10-89, Cl. 74-484.00H.

Kaga, Mitsuru: *See—*

Tanaka, Shigetaka; Tanigawa, Toshiaki; and Kaga, Mitsuru, 4,800,574, Cl. 375-26.000.

Kaga, Toru; Kimura, Shinichiro; Kure, Tokuo; Kawamoto, Yoshifumi; and Sunami, Hideo, to Hitachi, Ltd. Method for formation of insulation film on silicon buried in trench. 4,873,203, 10-10-89, Cl. 437-67.000.

Kaga, Toru: *See—*

Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshihiko; Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ichiro; Kaga, Toru; and Kure, Tokuo, 4,882,289, Cl. 437-52.000.

Sunami, Hideo; Kimura, Shinichiro; and Kaga, Toru, 4,873,560, Cl. 357-23.600.

Kagabu, Shinzo: *See—*

Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,806,553, Cl. 514-332.000.

Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Moriya, Koichi; and Baasner, Bernd, 4,812,454, Cl. 514-256.000.

Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,812,571, Cl. 546-296.000.

Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,845,106, Cl. 514-342.000.

Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,849,432, Cl. 514-341.000.

Kagai, Genichi: *See—*

Namikawa, Mamoru; Makino, Yoshiaki; Himori, Hiroaki; Kagai, Genichi; and Kamio, Hiroshi, 4,849,618, Cl. 235-493.000.

Kagami, Akiyasu; and Hase, Takashi, to Kasei Optonix, Ltd. Phosphors and fluorescent compositions for emission of light under low velocity electron excitation and fluorescent display devices utilizing the same 4,831,269, 5-16-89, Cl. 250-484.100.

Kagami, Isao; and Hasegawa, Makoto, to Brother Kogyo Kabushiki Kaisha. Paper feeding apparatus for printer. 4,834,568, 5-30-89, Cl. 400-707.100.

Kagami, Isao; Hasegawa, Makoto; Yokota, Eiji; Takahashi, Kiyoshi; and Funahashi, Hiroyuki, to Brother Kogyo Kabushiki Kaisha. Paper feeder for a printer. 4,844,638, 7-4-89, Cl. 400-636.000.

Kagami, Toshihiko; Kobayashi, Kazuyoshi; Asakawa, Eiji; Osada, Atushi; Hara, Kozo; and Abe, Yasuji, to Tokyo Electron Limited. Wafer accounting and processing system. 4,859,993, 8-22-89, Cl. 340-674.000.

Kagami, Yukio; and Yamamoto, Toshimasa, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho. Winding apparatus. 4,834,206, 5-30-89, Cl. 180-268.000.

Kagano, Hirokazu: *See—*

Onoe, Akira; Kawamura, Masao; Kato, Kunioki; Yoshikawa, Masato; and Kagano, Hirokazu, 4,849,138, Cl. 562-125.000.

Kagano, Shinichi: *See—*

Yamamoto, Osamu; Sasaki, Shigeo; and Kagano, Shinichi, 4,802,045, Cl. 360-132.000.

Kaganov, Alan L.: *See—*

Dumican, Barry L.; Kaganov, Alan L.; and Ritter, Thomas A. 4,838,884, Cl. 604-364.000.

Kaganowicz, Grzegorz; Robinson, John W.; and Ipri, Alfred C., to General Electric Company. Method of forming silicon and aluminum containing dielectric film and semiconductor device including said film. 4,804,640, 2-14-89, Cl. 437-236.000.

Kagata, Hiroshi: *See—*

Yokotani, Yoichiro; Kagata, Hiroshi; Niwa, Hiroshi; Kato, Junichi; and Mihara, Toshihiro, 4,885,661, Cl. 361-321.000

Kagata, Sadatoshi, to Ikeda Bussan Co, Ltd. Method of manufacturing trimmings and goods. 4,824,504, 4-25-89, Cl. 156-216.000.

Kagawa, Fukashi: *See—*

Tanaka, Haruhiko; Kagawa, Fukashi; and Nakashima, Kouji, 4,868,044, Cl. 428-304.400.

Kagawa, Hitoshi; and Hattori, Ryo, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser with facet protection film of selected reflectivity. 4,852,112, 7-25-89, Cl. 372-49.000

Kagawa, Junichi; Saiki, Yoshiaki; and Amano, Kozo, to NGK Spark Plug Co., Ltd. Spark plug with pressure sensor. 4,881,403, 11-21-89, Cl. 73-115.000.

Kagawa, Junichi: *See—*

Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, 4,808,135 Cl. 445-7.000.

Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, 4,814,06 Cl. 313-141.000.

Sato, Yasushi; Nagasaki, Shigeru; Taniguchi, Masato; Kagawa, Junichi; and Kawamura, Mitsuyoshi, 4,838,218, Cl. 123-188.0AA

Kagawa, Keiichi; and Taniyasu, Kiyoshi, to Mitsui Mining & Smelting Co., Ltd. Anode active material and alkaline cells containing same and method for the production thereof. 4,812,374, 3-14-89, Cl. 429-50.000.

Kagawa, Keiichi: *See—*

Miura, Akira; Takata, Kanji; Okazaki, Ryoji; Uemura, Toyohide; and Kagawa, Keiichi, 4,861,688, Cl. 429-206.000.

Kagawa, Seiji, to Tonen Sekiyukagaku Kabushiki Kaisha. Method for production of gas-pervious composite film. 4,824,499, 4-25-89, Cl. 156-85.000.

Kagawa, Seiji, to Tonen Sekiyukagaku Kabushiki Kaisha. Method of producing a gas-permeable, waterproof composite sheet. 4,878,974, 11-7-89, Cl. 156-85.000.

Kagawa, Yoshiaki: *See—*

Yonemoto, Kazuya; Kagawa, Yoshiaki; Ishikawa, Kikue; Suzuki, Tomoyuki; and Hamasaki, Masaharu, 4,875,100, Cl. 358-213.19

Kagawa, Yoshihiro; and Hori, Keimitsu, to Taihosangyo Co., Ltd. Solidifying agent comprising slag dust from industrial waste, method of solidifying liquid organic halogenide and burning method for disposing of liquid organic halogenide. 4,855,083, 8-8-89, Cl. 252-632.000.

Kagawa, Yoshimasa: *See—*

Isobe, Shinichi; and Kagawa, Yoshimasa, 4,855,657, Cl. 318-602.000.

Kagayama, Shigeru; and Iwase, Morikazu, to Brother Kogyo Kabushiki Kaisha. Image-forming apparatus having shearing device for cutting image-wise exposed photosensitive web. 4,819,024, 4-4-89, Cl. 35 14.00R.

Kage, Hermann J.; Detterman, Don E.; Eden, Wade A.; and Chapman, Alex B., to R. R. Donnelley & Sons Company. Method of and apparatus for printing edges of flexible sheets in assembled relationship 4,823,150, 4-18-89, Cl. 346-146.000.

Kage, Kouzou; and Tamura, Yoshiharu, to NEC Corporation. Noise detection by sampling digital baseband signal at eye opening. 4,810,101, 3-7-89, Cl. 375-99.000.

Kage, Kouzou, to NEC Corporation. Start pattern detecting apparatus 4,811,366, 3-7-89, Cl. 375-116.000.

Kage, Kouzou, to NEC Corporation. Signal transmission system having encoder/decoder without frame synchronization signal. 4,837,82 6-6-89, Cl. 380-9.000.

Kage, Kouzou, to NEC Corporation. Privacy signal transmission system. 4,841,571, 6-20-89, Cl. 380-31.000.

Kagei, Kengo: *See—*

Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.

Kagelmaker, Horst: *See—*

Rosenthal, Andre, Hunger, Hans-Dieter; Kagelmaker, Horst; and Graatschus, Monika, 4,849,077, Cl. 264-182.800.

Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Gratschus, Monika, 4,882,127, Cl. 422-50.000.

Kageno, Kenji; Ueda, Toshio; and Harada, Susumu, to Nitto Boseki Co., Ltd. Preparation of polymers of monoallylamine and diallylamine derivatives with azo catalyst. 4,812,540, 3-14-89, Cl. 526-218.100.

Kagerer, Robert: *See—*

Schimmel, Johannes; Bauer, Harald; Burian, Gunther; Hulla, Heinz; Kagerer, Robert; and Kubin, Helmut, 4,885,690, Cl. 364-424.100.

Kageura, Yoshiaki: *See—*

Toyomoto, Kazuo; Terada, Eigo; Kobayashi, Hiroshi; and Kageura, Yoshiaki, 4,844,719, Cl. 55-16.000.

Kageyam, Shuhei: *See—*

Yamamoto, Ken; and Kageyam, Shuhei, 4,795,073, Cl. 227-120.000.

Kageyama, Akira: *See—*

Nishimura, Hirofumi; and Kageyama, Akira, 4,805,563, Cl. 123-41.82A.

Kageyama, Bunji: *See—*

Sonoyama, Takayasu; Yagi, Shigeo; Kageyama, Bunji; and Tanimoto, Masahiro, 4,879,229, Cl. 435-138.000.

Kageyama, Hidehei; Mitsuya, Yoshihide; and Kobayashi, Saburo, to Kotobuki & Co., Ltd. Lead cartridge opening and closing unit. 4,836,703, 6-6-89, Cl. 401-65.000.

Kageyama, Hidehei; Mitsuya, Yoshihide; and Nakazato, Yoichi, to Kotobuki & Co., Ltd. Lead chuck of mechanical pencil. 4,872,776, 10-10-89, Cl. 401-65.000.

Kageyama, Hidehei; Mitsuya, Yoshihide; and Nakazato, Yoichi, to Kotobuki & Co., Ltd. Mechanical pencil. 4,884,910, 12-5-89, Cl. 401-65.000.

Kageyama, Hiroshi, to Kabushiki Kaisha Toshiba. X-ray image-processing apparatus. 4,829,182, 5-9-89, Cl. 250-327.200.

Kageyama, Hitoshi, to Minolta Camera Kabushiki Kaisha. Optical filter. 4,865,405, 9-12-89, Cl. 350-1.600.

Kageyama, Hitoshi; Suzuki, Toshikazu; Sakamoto, Keijiro; Kyogoku, Tetsuo; and Nino, Masayuki, to Minolta Camera Kabushiki Kaisha. Transmission viewing screen of image projector apparatus. 4,880,292, 11-14-89, Cl. 350-128.000.

Kageyama, Ken-ichi: *See—*

Yamada, Toshio; and Kageyama, Ken-ichi, 4,843,066, Cl. 514-45.000.

Kageyama, Masao: *See—*

Kondo, Hitoshi; and Kageyama, Masao, 4,812,398, Cl. 435-14.000.

Kageyama, Ryoichi: *See—*

Shiraishi, Motoatsu; Nakamura, Mitsuki; and Kageyama, Ryoichi, 4,807,456, Cl. 72-405.000.

Shiraishi, Motoatsu; Tazou, Ken; Sasagawa, Masaru; Nakamura, Mitsuki; and Kageyama, Ryoichi, 4,866,974, Cl. 72-405.000.

Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, to Matsushita Electric Industrial Co., Ltd. Multiplex signal processing apparatus. 4,882,614, 11-21-89, Cl. 358-12.000.

Kageyama, Satoshi: *See—*

Fujioka, Arisa; and Kageyama, Satoshi, 4,813,004, Cl. 364-567.000.

Tamura, Masafumi; Ichikawa, Ken-ichi; and Kageyama, Satoshi, 4,852,184, Cl. 382-48.000.

Kageyama, Shigeki: *See—*

Amano, Yoshikazu; Kageyama, Shigeki; and Katsuyama, Harumi, 4,889,797, Cl. 435-4.000.

Kageyama, Shuhei; Yamamoto, Tadashi; and Ebinuma, Tadayoshi, to Kotobuki and Company, Ltd. Working out container of bar shaped article. 4,856,693, 8-15-89, Cl. 226-127.000.

Kageyama, Shunji: *See—*

Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,795,753, Cl. 514-345.000.

Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,798,838. Cl. 514-342.000.

Kageyama, Takashi; and Yoshida, Makoto, to Konishiroku Photo Industry Co., Ltd. Process of smoothing a coated-layer and the apparatus for use in such method. 4,870,920, 10-3-89, Cl. 118-103.000.

Kageyama, Takeshi: *See—*

Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,810,068, Cl. 350-358.000.

Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,867,542, Cl. 350-358.000.

Kageyama, Terutaka: *See—*

Hoshizaki, Hiroki; Oyobe, Kazuo; Suzuki, Hirofumi; Kawahara, Nobuaki; Niwa, Hitoshi; and Kageyama, Terutaka, 4,803,345, Cl. 219-553.000.

Kageyama, Yoichi: *See—*

Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.

Kageyama, Yoshikazu; and Mino, Mineo, to Matsushita Electric Industrial Co., Ltd. Television channel selection apparatus employing multi-picture display. 4,855,833, 8-8-89, Cl. 358-183.000.

Kageyama, Yoshiteru; and Sawada, Yoshiaki, to Mitsubishi Petrochemical Company Limited. Process for producing ultrafine metal powder. 4,808,216, 2-28-89, Cl. 75-0.50A.

Kageyama, Yukihiko; Hayashi, Noriyuki; and Hijikata, Kenji, to Polyplastics Co., Ltd. Resin having excellent heat resistance and exhibiting anisotropy in molten state. 4,864,013, 9-5-89, Cl. 528-220.000.

Kagi, Rudolf; and Baumgartner, Eugen, to Maschinenfabrik Ad. Schulthess & Co. AG. Continuous flow washing machine. 4,879,887, 11-14-89, Cl. 68-16.000.

Kagimasa, Toyohiko; Takahashi, Kikuo; Ono, Yoshie; and Yoshizumi, Seiichi, to Hitachi, Ltd. Data processing apparatus with a virtual storage address boundary check circuit. 4,851,989, 7-25-89, Cl. 364-200.000.

Kagimasa, Toyohiko; Matsuda, Yoshiki; Takahashi, Kikuo; and Yoshizumi, Seiichi, to Hitachi, Ltd. System for processing data with multiple virtual address and data word lengths. 4,868,740, 9-19-89, Cl. 364-200.000.

Kagimasa, Toyohiko: *See—*

Gotou, Shizuo; Kagimasa, Toyohiko; and Yoshizumi, Seiichi, 4,876,646, Cl. 364-200.000.

Kagiura, Kazuo: *See—*

Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.

Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, to Adeka Argus Chemical Co., Ltd.; and Kyoto University. Radiation sensitizer. 4,820,844, 4-11-89, Cl. 548-266.000.

Kagiyama, Junji; Kobayashi, Kiyonori; and Kamiya, Masakazu, to Aisin Seiki Kabushiki Kaisha. Device for absorbing variation in torque. 4,850,932, 7-25-89, Cl. 464-68.000.

Kagiyama, Junji: *See—*

Kobayashi, Kiyonori; Kamiya, Masakazu; Kagiyama, Junji; and Hyodo, Motoi, 4,887,485, Cl. 74-574.000.

Kagiyama, Yasuhiro: *See—*

Yamamoto, Yoshihisa; and Kagiyama, Yasuhiro, 4,806,219, Cl. 204-182.400.

Kagizaki, Masami: *See—*

Hara, Ryuichi; Kagizaki, Masami; Takakura, Tsuyoshi; and Tomono, Shigeki, 4,818,612, Cl. 428-367.000.

Kagohata, Tsuneo, to Hitachi, Ltd. Blowout temperature control system. 4,829,884, 5-16-89, Cl. 98-2.010.

Kagome Kabushiki Kaisha: *See—*

Yokota, Tetsuya; Sakamoto, Hideki; and Takahashi, Naoto, 4,855,147, Cl. 426-43.000.

Kagota, Minoru, to Shinano Kikaku Company Ltd. Noncopiably recorded videotape and noncopiably videotape-recording system. 4,888,649, 12-19-89, Cl. 358-335.000.

Kagota, Nobuhiro: *See—*

Tsukahara, Hirokazu; Kagota, Nobuhiro; and Yoda, Masashi, 4,823,023, Cl. 428-349.000.

Kah, Carl L. C., Jr. Sprinkler device. 4,867,378, 9-19-89, Cl. 239-206.000.

Kah, Carl L. C., Jr. Multi-voltage motor and timer clock. 4,878,006, 10-31-89, Cl. 318-770.000.

Kahan, Frederick M.: *See—*

Kropp, Helmut; and Kahan, Frederick M., 4,880,793, Cl. 514-192.000.

Kahan, Osher; and Gregor, Eduard, to Hughes Aircraft Company. Variable lens and birefringence compensator. 4,848,881, 7-18-89, Cl. 350-400.000.

Kahara, Toshiki; Takeuchi, Masato; Okada, Hideo; Iwamoto, Kazuo; Iwase, Yoshio; and Mitsugi, Kouichi, to New Energy Development Organization. Molten carbonate fuel cell, and its operation control method. 4,810,595, 3-7-89, Cl. 429-16.000.

Kahhan, Larry: *See—*

Rosenfeld, Yechiel; Kahhan, Larry; and Ding, Jaulin, 4,817,137, Cl. 379-377.000.

Kahkipuro, Matti; Sten, Urpo; Nummi, Pekka; and Hytti, Pekka, to Kone Elevator GmbH. Voltage regulation for three-phase inverters. 4,799,139, 1-17-89, Cl. 363-95.000.

Kahkipuro, Matti. Inverter control apparatus for elevator motor. 4,804,067, 2-14-89, Cl. 187-119.000.

Kahkipuro, Matti; Makinen, Heimo; and Perttula, Jouko, to Kone Elevator GmbH. Method for determining the position of an elevator car and a pulse count based floor selector. 4,880,082, 11-14-89, Cl. 187-134.000.

Kahl, George W.: *See—*

Johnson, Peter E.; Johnson, David A.; and Kahl, George W., 4,822,234, Cl. 414-798.900.

Kahl, Helmuth. Device for testing cables provided with plugs. 4,834,663, 5-30-89, Cl. 439-132.000.

Kahl, John J., Jr.; Vulpitta, Brian A.; Corbo, Thomas A.; Saunders, Craig M.; and Nottingham, John R., to Manco, Inc. Tape dispenser. 4,884,734, 12-5-89, Cl. 225-26.000.

Kahl, Lothar: *See—*

Wamprecht, Christian; Schonfelder, Manfred; Hohlein, Peter; and Kahl, Lothar, 4,837,273, Cl. 525-66.000.

Kahlbacher, Anton. Apparatus for clearing a surface of snow and dirt. 4,827,637, 5-9-89, Cl. 37-237.000.

Kahle, Brewster; and Stanfill, Craig W., to Thinking Machines Corporation. Method for searching a database system including parallel processors. 4,870,568, 9-26-89, Cl. 364-200.000.

- Kahle, Brewster: *See—*
  - Hillis, W. Daniel; and Kahle, Brewster, 4,805,173, Cl. 371-38.000.
  - Steele, Guy L., Jr.; Hillis, W. Daniel; Blelloch, Guy; Drumbeller, Michael; Kahle, Brewster; Lasser, Clifford; Ranade, Abhiram; Salem, James; and Sims, Karl, 4,827,403, Cl. 364-200.000.
  - Thiel, Tamiko; Clayton, Richard; Feyman, Carl; Hillis, W. Daniel; and Kahle, Brewster, 4,805,091, Cl. 364-200.000.
- Kahle, Todd, to Xidex Corporation. Multiple lens image rotation system. 4,870,435, 9-26-89, Cl. 353-101.000.
- Kahlen, Hans; Jahnke, Bernd; Schmidt, Conrad; and Ziegenbein, Botho, to Brown, Boveri & Cie AG. Shunting element. 4,849,806, 7-18-89, Cl. 357-51.000.
- Kahler, James E. Bullet trap. 4,819,946, 4-11-89, Cl. 273-404.000.
- Kahler, Mark P.; and Siwiak, Kazimierz, to Motorola, Inc. Microstrip balun-antenna. 4,847,626, 7-11-89, Cl. 343-700.0MS.
- Kahler, William: *See—*
  - Leveen, Harry H.; and Kahler, William, 4,813,855, Cl. 417-477.000.
- Kahlert, Wolfgang: *See—*
  - Kallinich, Dietmar; and Kahlert, Wolfgang, 4,844,662, Cl. 405-265.000.
  - Rietschel, Wolfgang; Kiel, Reinhard; Kahlert, Wolfgang; and Kuhlmann, Winfried, 4,868,124, Cl. 435-311.000.
- Kahlman, Josephus A. H. M.: *See—*
  - Schouhamer Immink, Kornelis A.; and Kahlman, Josephus A. H. M., 4,807,257, Cl. 375-106.000.
- Kahn, Alan R.; and Chandler, Jennifer K., to Criticare Systems, Inc. Vital signs monitor. 4,860,759, 8-29-89, Cl. 128-668.000.
- Kahn, David A., to Northern Telecom Limited. Optical communication system. 4,868,809, 9-19-89. Cl. 370-4.000.
- Kahn: David A.; Pacey, Grant K.; Hvezda, Jaroslav M.; and Dalgleish, Jack F., to Northern Telecom Ltd. Optical busbar. 4,872,739, 10-10-89, Cl. 350-96.160.
- Kahn, Frederic J.; Kendrick, Paul N.; Leff, Jerry; Livoni, Linden J.; Loucks, Bryan E.; Stepner, David E.; and Witte, Kenneth G., to Greyhawk Systems, Inc. Apparatus and method of forming and projecting high precision optical images. 4,818,098, 4-4-89, Cl. 353-122.000.
- Kahn, Frederick J.; Nevis, Elizabeth A.; and Leff, Jerry, to Greyhawk Systems, Inc. Liquid crystal cell for image projections and method of operating same. 4,799,770, 1-24-89, Cl. 350-331.00R.
- Kahn, Gary S.; Pepper, Jeffrey A.; Kepner, Al N.; Richer, William; and Enand, Rajiv, to Carnegie Group Inc. Domain independent shell for building a diagnostic expert system. 4,866,635, 9-12-89, Cl. 364-513.000.
- Kahn, Jeffrey A.: *See—*
  - Aden, James S.; and Kahn, Jeffrey A., 4,809,428, Cl. 29-611.000.
- Kahn, John H.: *See—*
  - Murib, Jawad H.; and Kahn, John H., 4,888,443, Cl. 562-517.000.
- Kahn, Jon B.: *See—*
  - Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., 4,887,780, Cl. 244-137.200.
- Kahn, Leonard R. Reduction of undesired harmonic components. 4,811,422, 3-7-89, Cl. 455-114.000.
- Kahn, Leonard R. Transmitter having means for controlling undesired out-of-band radiation. 4,819,268, 4-4-89, Cl. 381-14.000.
- Kahn, Leonard R. Asymmetrical sideband AM stereo transmission. 4,850,020, 7-18-89, Cl. 381-16.000.
- Kahn, Marvin L.; and Lynch, Robert J., to Rich Products Corp. Freezer stable whipped ice cream and milk shake food products. 4,853,243, 8-1-89, Cl. 426-564.000.
- Kahn, Myron. Polarized lighting panel. 4,796,160, 1-3-89, Cl. 362-19.000.
- Kahn, Paul, to Miles Laboratories, Inc. Universal spike for use with rigid and collapsible parenteral fluid dispensing container. 4,857,068, 8-15-89, Cl. 604-405.000.
- Kahng, Chang-Won: *See—*
  - Choi, Suki-Gi; Min, Sung-Ki; and Kahng, Chang-Won, 4,826,783, Cl. 437-57.000.
- Kahning, Stefan: *See—*
  - Sauerbaum, Thomas; and Kahning, Stefan, 4,877,329, Cl. 374-28.000.
- Kahovec, Jaroslav; and Porsch, Bedrich, to Ceskoslovenska akademie ved. Silane reagents containing a complexon group. 4,835,269, 5-30-89, Cl. 544-69.000.
- Kahr, Rene A., to Electronic Instrument & Specialty Corp. Heat sink mounting member. 4,809,772, 3-7-89, Cl. 165-80.300.
- Kahrs, Manfred; and Schoellhorn, Hermann, to Alfred Teves GmbH. Variable capacity vane-type motor having a control channel selectively communicating with the work chamber. 4,818,196, 4-4-89, Cl. 418-22.000.
- Kai, Gentaroh: *See—*
  - Ishii, Shin-ichi; Kai, Gentaroh; Hara, Toshiaki; and Nakano, Iwao, 4,805,160, Cl. 367-134.000.
- Kai, Hajime; and Ochii, Kiyofumi, to Tokyo Shibayra Denki Kabushiki Kaisha. Semiconductor memory device with delayed precharge signals. 4,813,021, 3-14-89, Cl. 365-194.000.
- Kai, Hajime: *See—*
  - Sekiguchi, Kunio; Kai, Hajime; Miyokawa, Masaru; and Ueda, Kenji, 4,850,211, Cl. 72-8.000.
- Kai, Hirohide: *See—*
  - Uchida, Koh; Kurihara, Takashi; Miyoshi, Makoto; and Kai, Hirohide, 4,862,985, Cl. 180-141.000.
- Kai, Hiroyuki: *See—*
  - Sumimoto, Shinzaburo; Ishizuka, Ichiro; Kai, Hiroyuki; Ueda, Shiro; and Takase, Akira, 4,797,492, Cl. 548-245.000.
  - Sumimoto, Shinzaburo; Ishizuka, Ichiro; Ueda, Shiro; Kai, Hiroyuki; and Ide, Kinya, 4,888,044, Cl. 71-88.000.
- Kai, Isao: *See—*
  - Okada, Masamichi; and Kai, Isao, 4,878,184, Cl. 364-557.000.
  - Ota, Hiroyuki; and Kai, Isao, 4,811,198, Cl. 374-169.000.
  - Ota, Hiroyuki; and Kai, Isao, 4,877,333, Cl. 374-169.000.
- Kai, Jun-ichi: *See—*
  - Yasutake, Nobuyuki; Kai, Jun-ichi; Yasuda, Hiroshi; and Kawashima, Kenichi, 4,853,870, Cl. 364-490.000.
- Kai, Mariko: *See—*
  - Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,798,680, Cl. 252-299.010.
  - Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,873,01 Cl. 252-299.010.
- Kai, Masanobu; and Chiku, Etsuko, to Kao Corporation. Composition for antiperspirant aerosol. 4,889,711, 12-26-89, Cl. 424-47.000.
- Kai, Naoyuki, to Kabushiki Kaisha Toshiba. Semiconductor memory device. 4,852,066, 7-25-89, Cl. 365-230.030.
- Kai, Satoshi. Cushioning sheet for use in denture casting. 4,825,934, 5-2-89, Cl. 164-361.000.
- Kai, Seiichi: *See—*
  - Kondo, Michitada; Minai, Masayoshi; Kai, Seiichi; Higuchi, Takayuki; and Ueda, Yuji, 4,812,585, Cl. 549-483.000.
- Kai, Shotaro: *See—*
  - Ishibashi, Tatsuhiro; Masushige, Yutaka; and Kai, Shotaro, 4,846,085, Cl. 112-27.000.
- Kai, Takayuki: *See—*
  - Iino, Toshio; and Kai, Takayuki, 4,862,596, Cl. 33-522.000.
- Kai, Tomoko, to Canon Kabushiki Kaisha. Electronic equipment using a cover. 4,882,471, 11-21-89, Cl. 235-1.00D.
- Kai, Toru: *See—*
  - Yokoi, Satoru; and Kai, Toru, 4,838,171, Cl. 104-166.000.
- Kai, Umekichi: *See—*
  - Shibayama, Masahiko; Kai, Umekichi; and Yamamoto, Hideo, 4,807,162, Cl. 364-552.000.
- Kaibel, Gary W.; and Schweitzer, Frederick F., to Sherwood Medical Company. Motor control fail-safe circuit. 4,833,379, 5-23-89, Cl. 388-811.000.
- Kaibel, Gerd; Hefner, Werner; Keller, Peter; and Drewitz, Werner, to BASF Aktiengesellschaft. Isolation of 1,3-butadiene. 4,859,2 8-22-89, Cl. 203-75.000.
- Kaibuki, Shigeo; Watanabe, Shinpei; Takahashi, Mitsugu; and Moriya, Hiroshi, to Honda Giken Kogyo Kabushiki Kaisha. Method of and mechanism for attaching an automobile door. 4,860,424, 8-29-89, Cl. 29-434.000.
- Kaida, Shinichi, to Fuji Photo Film Co., Ltd. Multicolor thermal recording device. 4,857,941, 8-15-89, Cl. 346-76.0PH.
- Kaido, Hiroyuki; and Ishikawa, Yasuhiro, to Yokohama Rubber Co., Ltd., The. Rubber compositions for steel tires. 4,824,897, 4-25-89, Cl. 524-385.000.
- Kaido, Masataka; and Fuwa, Yoshio, to Toyota Jidosha Kabushiki Kaisha. Slide parts. 4,847,166, 7-11-89, Cl. 428-591.000.
- Kaieda, Shozo, to Kentex Information Systems, Inc. Cleaning apparatus for electrophotography. 4,812,878, 3-14-89, Cl. 355-15.000.
- Kaieda, Shozo: *See—*
  - Fukae, Kensuke; and Kaieda, Shozo, 4,814,798, Cl. 346-160.000.
  - Fukae, Kensuke; and Kaieda, Shozo, 4,825,245, Cl. 355-3.0SH.
  - Fukae, Kensuke; and Kaieda, Shozo, 4,829,337, Cl. 355-296.000.
  - Fukae, Kensuke; and Kaieda, Shozo, 4,841,334, Cl. 355-271.000.
- Kaieda, Takeji; Yamada, Kimimasa; and Yamawaki, Naokuni, to Asahi Kasei Kogyo Kabushiki Kaisha. Process for producing cytotoxic T-cells and compositions produced by said process. 4,839,29 6-13-89, Cl. 435-240.230.
- Kaifu, Katsuaki; Kosuge, Maki; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, to Oki Electric Industry Co., Ltd.; and Fuji Chemicals Industrial Co., Ltd. Process for forming photoresist pattern using contrast enhancement layer with abietic acid. 4,889,79 12-26-89, Cl. 430-326.000.
- Kaifu, Noriyuki: *See—*
  - Gofuku, Ihachiro; Osada, Yoshiyuki; Nakagawa, Katsumi; Hatanaka, Katsunori; Saika, Toshihiro; and Kaifu, Noriyuki, 4,886,977, Cl. 250-578.000.
- Kaiho, Shigeo: *See—*
  - Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, 4,831,712, Cl. 29-527.600.
- Kaiho, Tatsuo: *See—*
  - Fukazawa, Nobuyuki; Kaiho, Tatsuo; and Yamashita, Hiroyuki, 4,814,458, Cl. 546-141.000.
- Kaijo Denki Co., Ltd.: *See—*
  - Ichino, Kouji, 4,823,612, Cl. 73-861.180.
  - Liudzius, Valerie A.; Weisner, Ralph M.; Kamiharako, Takashi; and Uramoto, Iwami, 4,872,052, Cl. 358-106.000.
- Kaimo, Matti O., to Oy Lohja AB. Device for joining together building units. 4,812,098, 3-14-89, Cl. 411-360.000.
- Kaimo, Matti O., to Oy Lohja AB. Device for joining together building units. 4,865,503, 9-12-89, Cl. 411-361.000.
- Kaimo, Matti O., to Oy Lohja AB. Device for joining together building units. 4,865,504, 9-12-89, Cl. 411-361.000.

- Kaimori, Michinobu: *See—*
  - Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.
  - Nakahara, Shuichi; Koide, Toru; Kaimori, Michinobu; Kitamura, Kenji; and Matsumoto, Satoshi, 4,843,670, Cl. 8-151.000.
- Kain, Karon L. Pouring cover engageable with a plurality of standard containers. 4,865,233, 9-12-89, Cl. 222-570.000.
- Kain, Richard S.: *See—*
  - Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,852,839, Cl. 248-225.100.
  - Winter, Russell K.; Harvey, Thomas D.; Savas, Nedim; and Kain, Richard S., 4,854,535, Cl. 248-225.200.
  - Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,858,774, Cl. 211-184.000.
- Kaindl, Michael; Piepenburg, Werner; and Vollmerhaus, Ernst, to Siemens Aktiengesellschaft. Vertical plug-in single-in-line circuit module. 4,801,916, 1-31-89, Cl. 338-221.000.
- Kaindl, Wolfgang: *See—*
  - Gartner, Jurij; and Kaindl, Wolfgang, 4,829,965, Cl. 123-470.000.
- Kainer, Hartmut; Grimm, Daniel; Schnelle, Wilfried; and Halbach, Peter, to Didier-Werke AG. Use of manganese nodules or deep-sea ores containing manganese for the reduction of nitrogen oxides in exhaust gases. 4,883,647, 11-28-89, Cl. 423-239.000.
- Kainer, Hartmut: *See—*
  - Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich; Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Stein, Hermann, 4,828,806, Cl. 423-213.500.
  - Stein, Hermann; Kainer, Hartmut; and Grimm, Daniel, 4,806,427, Cl. 502-60.000.
- Kaino, Shinji: *See—*
  - Yamamoto, Akihiro; Makino, Yutaka; and Kaino, Shinji, 4,817,849, Cl. 228-103.000.
- Kainu, Vesa: *See—*
  - Nikulainen, Osmo; and Kainu, Vesa, 4,856,154, Cl. 29-113.100.
- Kainuma, Masakuni: *See—*
  - Arizumi, Ryozo; and Kainuma, Masakuni, 4,821,776, Cl. 137-625.400.
  - Arizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,823,834, Cl. 137-596.140.
  - Arizumi, Ryozo; Kainuma, Masakuni; Aoki, Toshikazu; Suda, Shoji; Hoshi, Mitsunori; and Ejiri, Takashi, 4,840,347, Cl. 251-63.400.
  - Arizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,875,500, Cl. 137-596.180.
- Kainz, Alois: *See—*
  - Seibt, Artur; and Kainz, Alois, 4,884,204, Cl. 364-431.030.
- Kainz, Andrew N. Tree harvesting and logging system. 4,815,506, 3-28-89, Cl. 144-2.00Z.
- Kairis, John T.: *See—*
  - Edmondson, Peter C.; and Kairis, John T., 4,867,492, Cl. 292-165.000.
- Kaise, Hiroshi: *See—*
  - Yamane, Ryozo; Kurihara, Takashi; Kaise, Hiroshi; Komatsubara, Takeo; and Sunaga, Takashi, 4,800,013, Cl. 208-19.000.
- Kaise, Hirotsugu: *See—*
  - Shinohara, Masanao; Kaise, Hirotsugu; Nakano, Yoshimasa; Izawa, Taketoshi; Oshiro, Yasuo; and Miyazaki, Wasei, 4,831,053, Cl. 514-462.000.
- Kaiser Aerospace & Electronics Corporation: *See—*
  - Berman, Arthur L., 4,879,603, Cl. 358-242.000.
  - Kalmanash, Michael H., 4,877,307, Cl. 350-132.000.
- Kaiser Aerotech: *See—*
  - Chen, Shih-Huei; and Davis, H. O., 4,837,230, Cl. 501-88.000.
- Kaiser Aluminum & Chemical Corporation: *See—*
  - Ackerly, Robert E., 4,843,854, Cl. 72-8.000.
- Kaiser, Bernhard: *See—*
  - Herrmann, Lothar; Kaiser, Bernhard; and Wokock, Ortwin, 4,807,737, Cl. 194-293.000.
- Kaiser, Carl; and Kruse, Lawrence I., to SmithKline Beckman Corporation. Dopamine-beta-hydroxylase inhibitors. 4,810,811, 3-7-89, Cl. 558-235.000.
- Kaiser, Carl; and Kruse, Lawrence I., to SmithKline Beckman Corporation. Dopamine-β-hydroxylase inhibitors. 4,857,540, 8-15-89, Cl. 514-387.000.
- Kaiser, Carl; Kruse, Lawrence I.; and Ross, Stephen T., to SmithKline Beckman Corporation. Trifluoro acetyl-cyano-aniline intermediates for dopamine-βhydroxylase inhibitors. 4,873,357, 10-10-89, Cl. 558-414.000.
- Kaiser, Carl: *See—*
  - Frazee, James S.; and Kaiser, Carl, 4,863,944, Cl. 514-400.000.
  - Rzeszotarski, Waclaw J.; Guzewska, Maria E.; Carter, John P.; Adams, Theodore C.; Dupont, Andrea C.; and Kaiser, Carl, 4,877,779, Cl. 514-63.000.
- Kaiser, Danny K., to Delaware Capital Formation, Inc. Pressure monitoring device isolator. 4,884,452, 12-5-89, Cl. 73-730.000.
- Kaiser, Dieter: *See—*
  - Droste, Reinhard; and Kaiser, Dieter, 4,850,050, Cl. 2-2.500.
- Kaiser, Donald F., to Beckman Industrial Corporation. Technique of compensating for capacitive effects in conductivity measurements. 4,808,930, 2-28-89, Cl. 324-442.000.
- Kaiser Electronics: *See—*
  - Berman, Arthur L.; and Melzer, James E., 4,859,031, Cl. 350-174.000.
- Kaiser, Emil T.: *See—*
  - Musso, Gary F.; and Kaiser, Emil T., 4,835,252, Cl. 530-324.000.
- Kaiser, Heinz; Kohler, Andrea; and Ruhl, Werner J., to General Motors Corporation. Device for taking samples from a catalyst block of a catalytic converter. 4,866,995, 9-19-89, Cl. 73-864.410.
- Kaiser, Helmut: *See—*
  - Zeiser, Peter; Kaiser, Helmut; and Rieger, Hansjorg, 4,889,172, Cl. 152-226.000.
- Kaiser, Herbert J., to Calgon Corporation. Method for detackification of paint spray operation wastes. 4,880,471, 11-14-89, Cl. 106-286.600.
- Kaiser, Joachim: *See—*
  - Lerch, Ulrich; Henning, Rainer; and Kaiser, Joachim, 4,882,329, Cl. 514-253.000.
- Kaiser, Johann F. Dredges. 4,887,371, 12-19-89, Cl. 37-66.000.
- Kaiser, Jurgen; and Kerler, Rudolf, to Siemens Aktiengesellschaft. Toroidal core coil winding appliance. 4,815,672, 3-28-89, Cl. 242-4.00R.
- Kaiser, Karl: *See—*
  - Brunner, Engelbert; and Kaiser, Karl, 4,809,023, Cl. 346-139.00R.
- Kaiser, Klaus, to Seitz Enzinger Noll Maschinenbau Aktiengesellschaft. Method and filtration apparatus for purifying solvents. 4,889,642, 12-26-89, Cl. 210-771.000.
- Kaiser, Manfred: *See—*
  - Bauer, Wolfgang; Keil, Karl-Heinz; Nagl, Gert; Kaiser, Manfred; Steinbach, Joachim; and Sternberger, Klaus, 4,810,254, Cl. 8-554.000.
- Kaiser, Norbert; and Mittrich, Martin, to Alcatel N.V. Method of controlling the optical power output of a laser, and circuit for carrying out the method. 4,833,680, 5-23-89, Cl. 372-29.000.
- Kaiser Optical System, Inc.: *See—*
  - Chang, Byung J., 4,879,167, Cl. 428-215.000.
- Kaiser Optical Systems: *See—*
  - Chang, B. Jin, 4,818,045, Cl. 350-3.700.
  - Chang, B. Jin, 4,830,441, Cl. 350-3.700.
- Kaiser, Paul, to Karl Suss KG, GmbH & Co. Optical device for forming crossed linear image elements. 4,834,499, 5-30-89, Cl. 350-174.000.
- Kaiser, Ralf: *See—*
  - Pekruhn, Wolfgang; Kaiser, Ralf; and Kirchhoff, Hartmut, 4,887,092, Cl. 346-1.100.
- Kaiser Steel Corporation: *See—*
  - Worrell, Richard A., 4,795,066, Cl. 222-590.000.
- Kaiser, Steven W.: *See—*
  - Olson, Kurt D.; and Kaiser, Steven W., 4,874,896, Cl. 564-479.000.
- Kaiser, Thomas A.: *See—*
  - Binder, John J.; and Kaiser, Thomas A., 4,873,937, Cl. 118-44.000.
- Kaiser, Timothy D.; Daniel, Sabah S.; and Dykes, Charles D., to Hazelett Strip-Casting Corporation; and USX Corporation. Method for determining molten metal pool level in twin-belt continuous casting machines. 4,813,471, 3-21-89, Cl. 164-451.000.
- Kaiser, Tony: *See—*
  - Beer, Hans-Rudolf; Britsch, Helmut; Kaiser, Tony; Maier, Gunther; and Muff, Alois, 4,805,064, Cl. 361-117.000.
  - Beer, Hans-Rudolf; Britsch, Helmut; Julke, Elias; and Kaiser, Tony, 4,818,319, Cl. 156-192.000.
- Kaiser, William J.; and Bell, L. Douglas, to California Institute of Technology. Tunnel and field effect carrier ballistics. 4,823,004, 4-18-89, Cl. 250-306.000.
- Kaiser, William J.: *See—*
  - Hurley, Michael D.; Kaiser, William J.; and Logothetis, Eleftherios M., 4,870,025, Cl. 436-141.000.
- Kaiser, Wolfgang; and Schmutzler, Werner, to Siemens Aktiengesellschaft. Method for measuring resistances, in particular resistances of subscriber's lines of digital time division multiplex telecommunication networks. 4,882,742, 11-21-89, Cl. 379-30.000.
- Kaiser, Wolfgang: *See—*
  - Held-Elbert, Gabriele; Kaiser, Wolfgang; Koch, Wilhelm; and Schmutzler, Werner, 4,839,920, Cl. 379-377.000.
- Kaiserfeld, Hans: *See—*
  - Jerlich, Werner J.; Kugler, Alfred; Kaiserfeld, Hans; Schulhofer, Anton; and Zechner, Werner, 4,880,481, Cl. 148-325.000.
- Kaite, Yoshikazu; and Yamagishi, Takashi, to Nippon Sheet Glass Co., Ltd. Ion exchange processing method of glass. 4,874,414, 10-17-89, Cl. 65-20.130.
- Kaito, Kosuke: *See—*
  - Okamoto, Kiyokazu; Hino, Kiyoshi; and Kaito, Kosuke, 4,855,661, Cl. 318-807.000.
- Kaito, Noboru: *See—*
  - Nagai, Noboru; Hashimoto, Yoshisato; Tsuboike, Yoshihiko; and Kaito, Noboru, 4,872,308, Cl. 60-316.000.
- Kaito, Takashi; and Adachi, Tatsuya, to Seiko Instruments Inc. Process for forming metallic patterned film. 4,876,112, 10-24-89, Cl. 427-38.000.
- Kaito, Takashi: *See—*
  - Nakagawa, Yoshitomo; Kaito, Takashi; Houjyo, Hisao; and Yamamoto, Masahiro, 4,874,632, Cl. 427-41.000.
- Kaitou, Kousuke: *See—*
  - Hino, Kiyoshi; Kaitou, Kousuke; and Okamoto, Kiyokazu, 4,818,927, Cl. 318-798.000.
- Kaitz, Miriam J.: *See—*
  - Kaitz, Richard A.; and Kaitz, Miriam J., 4,860,736, Cl. 128-155.000.
- Kaitz, Richard A.; and Kaitz, Miriam J., to Miriam Collins - Palm Beach Laboratories Co. Fingernail solution applicator pad and nutrient solution kit. 4,860,736, 8-29-89, Cl. 128-155.000.
- Kaiura, Gary H.; Jackson, James F.; and Laine, Richard O., to Falconbridge Limited. Non-ferrous metal recovery. 4,814,004, 3-21-89, Cl. 75-24.000.

Kaiwa, Ryoichi; Kudo, Michiyoshi; Kobayashi, Keiki; Suganuma, Yuichiro; and Adachi, Naotomo, to Matsushita Electric Industrial Co., Ltd. Portable type mobile radio telephone. 4,881,258, 11-14-89, Cl. 379-58.000.

Kaiyo Kogyo Kabushiki Kaisha: *See*—
  Kojima, Sadao, 4,879,046, Cl. 210-747.000.
  Makino, Hisao; and Makino, Masahiko, 4,828,696, Cl. 210-220.000.

Kaizaki, Masanori: *See*—
  Ishizuka, Yutaka; Kaizaki, Masanori; and Tanaka, Shigeo, 4,815,362, Cl. 98-41.100.

Kaja, Suryanarayana: *See*—
  Brar, Amarjit S.; Sherma, Jagdish P.; and Kaja, Suryanarayana, 4,821,578, Cl. 73-827.000.
  Brar, Amarjit S.; Sharma, Jagdish P.; and Kaja, Suryanarayana, 4,860,572, Cl. 73-12.000.

Kajamaa, Jaakko: *See*—
  Arvola, Ilkka; and Kajamaa, Jaakko, 4,800,722, Cl. 60-527.000.

Kajander, Richard E., to Tambrands Inc. Device for delivering an object to a cavity. 4,822,332, 4-18-89, Cl. 604-16.000.

Kajander, Richard E.: *See*—
  Nelson, John G.; Kajander, Richard E.; and Nelson, John G., 4,869,782, Cl. 162-9.000.

Kaji, Atsuhiko: *See*—
  Shiozaki, Ryozi; Kaji, Atsuhiko; Saijo, Hiroyuki; and Deguchi, Katsuhiko, 4,840,746, Cl. 252-174.250.

Kaji, Atsushi: *See*—
  Arimatsu, Yoshikazu; Tani, Katsuya; Mitamura, Hideyuki; Saito, Minoru; Kaji, Atsushi; and Katsuo, Kenichi, 4,824,929, Cl. 528-205.000.

Kaji, Hisao: *See*—
  Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi, Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, 4,864,460, Cl. 361-220.000.

Kaji, Hisatsugu: *See*—
  Fukuda, Hiroyuki; Shigeta, Masatomo; Ohuchi, Kiyomi; Kaji, Hisatsugu; Saitoh, Kuniyuki; and Funabashi, Masayuki, 4,818,640, Cl. 429-38.000.
  Fukuda, Hiroyuki; Shigeta, Masatomo; Kaji, Hisatsugu; and Saitoh, Kuniyuki, 4,855,092, Cl. 264-29.500.

Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Kozo; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, to Kabushiki Kaisha Kobe Seiko Sho. Process for producing silicon carbide whiskers. 4,873,070, 10-10-89, Cl. 423-345.000.

Kaji, Koichi: *See*—
  Kameda, Kazuyoshi; Kaji, Koichi; Yahiro, Hiroshi, and Kobayashi, Kenichiro, 4,881,069, Cl. 340-735.000.

Kaji, Koichiro: *See*—
  Tezuka, Etsuhiro; Kaji, Koichiro; and Ichinose, Toru, 4,867,109, Cl. 123-52.0MB.

Kaji, Mitsugu: *See*—
  Iwamatsu, Motoshige; and Kaji, Mitsugu, 4,859,634, Cl. 501-3.000.

Kaji, Shinichi: *See*—
  Nakamura, Shin; and Kaji, Shinichi, 4,825,560, Cl. 34-133.000.

Kaji, Toshio: *See*—
  Suzuki, Masao; Hashimoto, Seiji; Tojo, Akihiko; Takayama, Tsutomu; and Kaji, Toshio, 4,833,525, Cl. 358-29.000.

Kaji, Yosifumi: *See*—
  Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kajuyosi; Umeda, Masahiro; Kondo, Kaoru; and Kaji, Yosifumi, 4,809,885, Cl. 222-174.000.

Kajibata, Yoshihiro: *See*—
  Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.

Kajigaya, Ichiro: *See*—
  Hadano, Yoshikazu; Tsunoda, Eiji; and Kajigaya, Ichiro, 4,873,827, Cl. 60-646.000.

Kajihara, Junichi; Kiyota, Takao; and Hayashi, Hiroshi, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for purifying a physiologically active substance produced by recombinant DNA technique. 4,880,915, 11-14-89, Cl. 530-413.000.

Kajihara, Takehiro; Atsumi, Senji; and Izumiya, Hirotsugu, to NGK Insulators, Ltd. Discharge tube for a high pressure metal vapor discharge lamp and a method of manufacturing the same. 4,800,320, 1-24-89, Cl. 313-625.000.

Kajikawa, Hiroshi: *See*—
  Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.

Kajikawa, Teruo; and Yoshino, Toshio, to Nippon Oil Co., Ltd. Method for manufacturing carpet tiles having excellent dimensional stability. 4,872,930, 10-10-89, Cl. 156-72.000.

Kajikawa, Toshikazu, to NEC Corporation. Positioning and machining apparatus having a scanner for circularly scanning an object by a light beam. 4,818,879, 4-4-89, Cl. 250-548.000.

Kajikawa, Yasutomo, to Mitsubishi Denki Kabushiki Kaisha. Method of manufacturing semiconductor device. 4,824,805, 4-25-89, Cl. 437-228.000.

Kajikawa, Yoji: *See*—
  Kubo, Isao; Kaneko, Toshikazu; Iwaki, Hirofumi; Kajikawa, Yoji; Asaoka, Junichi; and Miyoshi, Jun, 4,869,978, Cl. 429-165.000.

Kajikawa, Yoshiaki: *See*—
  Tanaka, Atsuo; Dohnomoto, Tadashi; and Kajikawa, Yoshiaki, 4,804,586, Cl. 428-611.000.

Kajikawa, Yoshiharu: *See*—
  Ogawa, Shinji; Kajikawa, Yoshiharu; Kuroyanagi, Isao; Beh, Norimasa; and Ohara, Toshio, 4,870,834, Cl. 62-197.000.

Kajikiyo, Katuji: *See*—
  Niwa, Katuhiro; Abe, Nobuyasu; Kajikiyo, Katuji; Suzuki, Tsutomu; Tabuti, Katumi; and Arii, Yoshifumi, 4,872,383, Cl. 83-175.000.

Kajikuri, Junichi: *See*—
  Fukuzawa, Keiji; Ito, Fumihiro; Kajikuri, Junichi; and Tsurumaru, Shinobu, 4,827,276, Cl. 343-778.000.

Kajima Corporation: *See*—
  Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,854,769, Cl. 404-72.000.
  Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,861,189, Cl. 404-84.000.
  Hino, Toshiyuki, 4,864,831, Cl. 62-123.000.
  Kobori, Takuji; Kanayama, Hiroo; Sakamoto, Mitsuo; Yamada, Shunichi; and Kamagata, Shuichi, 4,799,339, Cl. 52-1.000.
  Ochi, Tatsuyuki; Tanaka, Nobuo; and Mio, Kohei, 4,874,239, Cl. 356-1.000.
  Takizawa, Seiichiro; Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,852,278, Cl. 37-197.000.
  Yano, Kenichi; Midorikawa, Hiroshi; Kamei, Toshiaki; and Shizume, Takeharu, 4,883,250, Cl. 248-638.000.
  Yazawa, Masayuki; Fukukawa, Mitsuo; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,801,219, Cl. 404-125.000.

Kajima Press Industry Co., Ltd.: *See*—
  Komeya, Seiji; and Hara, Mitsuhiro, 4,852,932, Cl. 296-37.900.

Kajima Road Company: *See*—
  Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,861,189, Cl. 404-84.000.
  Takizawa, Seiichiro; Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,852,278, Cl. 37-197.000.
  Yazawa, Masayuki; Fukukawa, Mitsuo; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,801,219, Cl. 404-125.000.

Kajimoto, Hironobu, to Teraoka Seiko Co., Ltd. Electronic postal scale for computing a postal charge. 4,872,119, 10-3-89, Cl. 364-464.000.

Kajimoto, Nobuyuki: *See*—
  Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada, Masaru, 4,804,783, Cl. 564-402.000.
  Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada, Masaru, 4,871,875, Cl. 564-402.000.

Kajimoto, Shinshi: *See*—
  Nomura, Syosuke; Kajimoto, Shinshi; Okazaki, Susumu; and Yamamoto, Takeshi, 4,867,501, Cl. 296-146.000.
  Tanaka, Takahiko; Hisanaga, Naogi; Yamamoto, Takeshi; Okazaki, Susumu; and Kajimoto, Shinshi, 4,852,205, Cl. 15-250.170.

Kajimoto, Yoshiaki: *See*—
  Kakimoto, Yukihiko; Sawada, Masayuki; Kajimoto, Yoshiaki; and Kiguchi, Isamu, deceased, 4,875,909, Cl. 55-40.000.

Kajimura, Takashi: *See*—
  Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; Kajimura, Takashi; and Ohtoshi, Tsukuru, 4,881,235, Cl. 372-45.000.
  Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; and Kajimura, Takashi, 4,881,238, Cl. 372-44.000.
  Fukuzawa, Tadashi; Chinone, Naoki; Nakatsuka, Shin'ichi; Sato, Katsutoshi; Kajimura, Takashi; and Ono, Yuichi, 4,827,483, Cl. 372-45.000.
  Kondow, Masahiko; Satoh, Shin; Minagawa, Shigekazu; Ohashi, Akio; and Kajimura, Takashi, 4,841,531, Cl. 372-43.000.
  Nakatsuka, Shinichi; Chinone, Naoki; Uomi, Kazuhisa; Ono, Yuichi; and Kajimura, Takashi, 4,821,275, Cl. 372-45.000.
  Nakatsuka, Shinichi; and Kajimura, Takashi, 4,872,175, Cl. 372-46.000.
  Uomi, Kazuhisa; Yoshizawa, Misuzu; Ono, Yuichi; Chinone, Naoki; and Kajimura, Takashi, 4,797,891, Cl. 372-46.000.
  Uomi, Kazuhisa; Chinone, Naoki; Yoshizawa, Misuzu; Nakatsuka, Shin'ichi; Kajimura, Takashi; and Ono, Yuichi, 4,811,354, Cl. 372-46.000.
  Yoshizawa, Misuzu; Uomi, Kazuhisa; Kawano, Toshihiro; Ono, Yuichi; and Kajimura, Takashi, 4,800,565, Cl. 372-45.000.

Kajino, Jirou: *See*—
  Oshima, Mitsuaki; Izaki, Masataka; Kajino, Jirou; Igarashi, Yoshiaki; and Mitani, Hiroshi, 4,856,882, Cl. 350-500.000.

Kajino, Sadayosi; and Iida, Atsuomi, to Nippondenso Co., Ltd. Magnet switch for a starter. 4,887,056, 12-12-89, Cl. 335-126.000.

Kajioka, Hiroshi; Fukahori, Toshio; Shiina, Noribumi; and Morinaga, Hitoshi, to Hitachi Cable Limited. Rotary joint for polarization plane maintaining optical fibers. 4,848,867, 7-18-89, Cl. 350-96.210.

Kajioka, Hiroshi; Yamada, Koudo; Takuma, Yuuetsu; and Terada, Tatsuo, to Hitachi Cable Limited. Method of manufacturing polarization-maintaining optical fibers. 4,859,223, 8-22-89, Cl. 65-3.120.

Kajioka, Hiroshi: *See*—
  Takuma, Yuuetsu; Kajioka, Hiroshi; Kumagai, Tatsuya; Tokunaga, Toshihide; and Yamada, Kohdo, 4,818,047, Cl. 350-96.330.

Kajioka, Hiroyuki: *See*—
  Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenchi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsushi; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.

Kajioka, Mitsuru: *See*—
  Matsui, Hisanori; Sutoh, Keiji; Yamamoto, Moriharu; Takagi, Kazuhiro; Yabutani, Kunihiro; Taninaka, Kuniaki; and Kajioka, Mitsuru, 4,845,232, Cl. 548-265.000.

Kajioka, Yasuo; Okada, Akira; Komine, Tomio; and Shimizu, Satoru, to Shimizu Construction Company Limited. Finishing machine for a concrete surface. 4,848,960, 7-18-89, Cl. 404-112.000.

Kajita, Hiroshi: *See*—
  Sumida, Yasuji; Kajita, Hiroshi; Ujino, Koji; Kano, Atsushi; Maekawa, Takashi; and Shibata, Kiyotaka, 4,815,724, Cl. 271-121.000.

Kajita, Kozo: *See*—
  Nagai, Ryo; Yoshimitu, Kazumi; Kajita, Kozo; and Odani, Noboru, 4,808,499, Cl. 429-218.000.
  Yoshimitsu, Kazumi, deceased; Sekido, Shintaro; Kazehara, Kenya; Kajita, Kozo; and Manabe, Toshikatsu, 4,888,255, Cl. 429-101.000.

Kajita, Ryota; Esaki, Hiroshi; and Shimazaki, Hirato, to Bridgestone Corporation. Set of gold clubs. 4,840,380, 6-20-89, Cl. 273-77.00A.

Kajita, Susumu: *See*—
  Yamaguchi, Noboru; Ogawa, Satoru; Kajita, Susumu; Yoshizawa, Izuru; Waki, Kiyotaka; and Ishihara, Masayuki, 4,865,877, Cl. 427-98.000.

Kajita, Syuji, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Method and apparatus for dynamic walking control of robot. 4,834,200, 5-30-89, Cl. 180-8.100.

Kajita, Takeyoshi: *See*—
  Nishihiro, Akinori; Hanaka, Ikutaro; and Kajita, Takeyoshi, 4,816,981, Cl. 363-37.000.

Kajita, Toshio: *See*—
  Suzuki, Akinori; Be Hyeon, Suong; Kajita, Toshio; Furushima, Masakazu; and Tanaka, Akinori, 4,799,950, Cl. 71-89.000.
  Suzuki, Akinori; Kajita, Toshio; and Furushima, Masakazu, 4,877,447, Cl. 71-103.000.

Kajita, Yoshiharu: *See*—
  Tanemura, Fumikazu; Honda, Toru; Kajita, Yoshiharu; Kato, Katsuhiko; and Sakakibara, Keisuke, 4,849,383, Cl. 501-104.000.

Kajitani, Kazuo; Nagano, Chikara; Shigehara, Makoto; Osa, Kazuhiko; Amobe, Eisuke; and Yamashita, Hideto, to Olympus Optical Co., Ltd. Noninverting photo-microscope with variable power lenses. 4,834,516, 5-30-89, Cl. 350-502.000.

Kajitani, Masahiko; Takeda, Kiyoshi; Isono, Koji; Hirose, Masumi; Matsubara, Kouji; and Shuda, Etsuji, to Matsushita Electric Industrial Co., Ltd. Program recording scheduling apparatus using an optical reader. 4,841,132, 6-20-89, Cl. 235-472.000.

Kajitani, Masayoshi: *See*—
  Morita, Izuru; Kajitani, Masayoshi; Kodama, Masao; and Takano, Masanobu, 4,866,932, Cl. 60-288.000.
  Morita, Izuru; Kishitani, Keisuke; Kajitani, Masayoshi; Tozawa, Shoji; Satoh, Masanori; Otabe, Kisaburo; and Onda, Mamoru, 4,884,398, Cl. 60-274.000.

Kajitani, Seinosuke: *See*—
  Yoshimaru, Tomohisa; and Kajitani, Seinosuke, 4,888,751, Cl. 369-36.000.

Kajitori, Toyotada: *See*—
  Aso, Toshiyuki; and Kajitori, Toyotada, 4,868,363, Cl. 219-69.140.

Kajiura, Koichi, to Yamatake-Honeywell Co., Ltd. Two-wire communication apparatus. 4,831,375, 5-16-89, Cl. 340-870.390.

Kajiura, Toshihiro; Oita, Norio; Abe, Junnosuke; and Sugiyama, Seiji, to Kanebo Ltd. Granule inspection apparatus. 4,830,194, 5-16-89, Cl. 209-580.000.

Kajiura, Yasuhiro, to NGK Insulators, Ltd. Apparatus for driving rollers of roller hearth kiln. 4,802,845, 2-7-89, Cl. 432-236.000.

Kajiwara, Akiharu: *See*—
  Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.
  Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, 4,818,439, Cl. 560-129.000.

Kajiwara, Hajime; Ogura, Masami; and Sano, Shoichi, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle height adjusting device. 4,858,950, 8-22-89, Cl. 280-719.000.

Kajiwara, Hideki: *See*—
  Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,81[illegible], Cl. 29-157.10A.

Kajiwara, Hisashi: *See*—
  Katsura, Koyo; Maejima, Hideo; and Kajiwara, Hisashi, 4,862,150, Cl. 340-703.000.

Kajiwara, Ikuo: *See*—
  Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, 4,832,729, Cl. 71-92.000.
  Takematsu, Tetsuo; Konnai, Makoto; Shimizu, Kuniaki; Urushibata, Ikumi; and Kajiwara, Ikuo, 4,824,477, Cl. 71-103.000.

Kajiwara, Junboku: *See*—
  Sagai, Hitoshi; Takahara, Masayasu; Katsuragi, Shigeo; Kajiwara, Junboku; and Masujima, Harumi, 4,818,698, Cl. 435-189.000.

Kajiwara Kogyo Kabushiki Kaisha: *See*—
  Kajiwara, Tokuji, 4,796,747, Cl. 198-535.000.

Kajiwara, Makoto; and Onodera, Kaoru, to Konishiroku Photo Industry Co., Ltd. Silver halide photographic light-sensitive material and method of processing thereof utilizing hydroxy azaindene compounds. 4,830,955, 5-16-89, Cl. 430-505.000.

Kajiwara, Makoto: *See*—
  Miyoshi, Masanobu; Kajiwara, Makoto; Onodera, Kaoru; and Sakamoto, Eiichi, 4,839,263, Cl. 430-384.000.
  Tanaka, Shigeo; Okumura, Mitsuhiro; Kajiwara, Makoto; and Miyoshi, Masanobu, 4,863,846, Cl. 430-572.000.

Kajiwara, Manabu: *See*—
  Kano, Atsushi; Mizuno, Masayuki; Kajiwara, Manabu; Sakaue, Kenji; Abe, Yuji; and Nakamura, Kazuo, 4,813,612, Cl. 271-10.000.

Kajiwara, Masanori: *See*—
  Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.

Kajiwara, Ryoichi: *See*—
  Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.

Kajiwara, Teruki: *See*—
  Nagatomi, Kyosuke; Kajiwara, Teruki; Ookuma, Hisashi; and Tachibana, Ryo, 4,832,983, Cl. 427-81.000.

Kajiwara, Tokuji, to Kajiwara Kogyo Kabushiki Kaisha. Foodstuff delivery machine. 4,796,747, 1-10-89, Cl. 198-535.000.

Kajiwara, Toshiyuki: *See*—
  Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839,949, Cl. 29-132.000.

Kajiyama, Katsufumi: *See*—
  Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.

Kajiyama, Koichi; Saito, Kaoru; Nozue, Yasuhiro; Ito, Noritoshi; Wakabayashi, Osamu; Fujimoto, Junichi; Kowaka, Masahiko; and Itakura, Yasao, to Kabushiki Kaisha Komatsu Seisakusho. Multi-mode narrow-band oscillation excimer laser. 4,829,536, 5-9-89, Cl. 372-57.000.

Kajiyama, Koichi: *See*—
  Nozue, Yasuhiro; Kajiyama, Koichi; Saito, Kaoru; Wakabayashi, Osamu; Kowaka, Masahiko; and Itakura, Yasuo, 4,856,018, Cl. 372-98.000.

Kajiyama, Masashi: *See*—
  Takahashi, Teruhisa; and Kajiyama, Masashi, 4,853,297, Cl. 428-623.000.

Kajiyama, Shigeru: *See*—
  Naito, Shinji; Tsuchita, Kenji; Ichikawa, Yoshiaki; Sato, Chikara; and Kajiyama, Shigeru, 4,828,059, Cl. 180-119.000.

Kajiyama, Toshiki: *See*—
  Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suzuki, Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyoshi; and Yoneda, Kenji, 4,872,532, Cl. 187-121.000.

Kajrup, Goran; and Bjerke, Goran, to Comeq, Inc. Cylinder flanging machines. 4,862,719, 9-5-89, Cl. 72-105.000.

Kajzar, Francois; and Messier, Jean, to Commissariat A L'Energie Atomique. Apparatus and process for measuring non-linear order three optical characteristics in an isotropic phase. 4,795,255, 1-3-89, Cl. 356-318.000.

Kakazu, Yukinori; Minami, Noburo; and Nukui, Katsuhiko, to Toshiba Kikai Kabushiki Kaisha. Method for generating tool path. 4,837,703, 6-6-89, Cl. 364-474.180.

Kake, Ichiro: *See*—
  Jinno, Masafumi; Kake, Ichiro; Nishina, Yuichiro; and Masumoto, Tsuyoshi, 4,886,717, Cl. 430-19.000.

Kakegawa, Hisao: *See*—
  Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kato, Yoshiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshifumi, 4,822,791, Cl. 514-212.000.

Kakegawa, Makoto, to Kabushiki Kaisha Toshiba. X-ray diagnosis method and apparatus. 4,813,061, 3-14-89, Cl. 378-99.000.

Kakegawa, Masayuki: *See*—
  Takeno, Shozo; Kakegawa, Masayuki; and Adachi, Yoshimasa, 4,832,455, Cl. 350-334.000.

Kakehi, Nobuo; Takahashi, Yuzuru; Higuchi, Norio; Izumihara, Yoshikazu; Matsumoto, Hiromi; and Uehori, Yuji, to Nippon Steel Corporation. Method of hot rolling steel strip with deformed sections. 4,876,874, 10-31-89, Cl. 72-199.000.

Kakehi, Norihiko: *See*—
  Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,798,832, Cl. 514-258.000.
  Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,816,459, Cl. 514-258.000.

Kakehi, Yutaka; Nakazato, Norio; Fukushima, Yoshimasa; Shibata, Fumio; Tsubone, Tsunehiko; and Kanai, Norio, to Hitachi, Ltd. Vacuum processing unit and apparatus. 4,824,309, 4-25-89, Cl. 414-217.000.

Kakehi, Yutaka: *See*—
  Kawasaki, Yoshinao; Kawahara, Hironobu; Kakehi, Yutaka; Hirobe, Kado; and Kudo, Katsuyoshi, 4,795,529, Cl. 156-643.000.

Kakei, Tsutomu: *See*—
  Uesugi, Akio; Oda, Kazutaka; and Kakei, Tsutomu, 4,851,091, Cl. 204-129.460.
  Uesugi, Akio; Kakei, Tsutomu; and Minato, Shinichiro, 4,872,946, Cl. 156-637.000.
Kaken Kagaku Kabushiki Kaisha: *See*—
  Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
Kaken Kogyo, Co., Ltd.: *See*—
  Komatsu, Keisaku; Yamada, Takashi; and Ohwatari, Toshimi, 4,844,833, Cl. 252-174.130.
  Komatsu, Keisakua; Ohwatari, Toshimi; and Yamada, Takashi, 4,867,900, Cl. 252-174.230.
Kaken Pharmaceutical Co., Ltd.: *See*—
  Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hirose, Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, Cl. 71-88.000.
  Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
  Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji, and Sanai, Shigeru, 4,883,879, Cl. 546-280.000.
Kakeno, Sadao: *See*—
  Naruse, Osamu; Ishikawa, Chuji; Kakeno, Sadao; and Iwasaki, Kyuhachiro, 4,800,398, Cl. 346-75.000.
  Naruse, Osamu; Kakeno, Sadao; Ishikawa, Chuji; Sekimoto, Satoshi; and Horike, Masanori, 4,847,631, Cl. 346-75.000.
Kakesu, Takateru; and Oomori, Hideo, to Hitachi Ltd.; and Hitachi Device Engineering Co., Ltd. Color picture tube of in-line gun type operable at high horizontal scanning frequency. 4,825,122, 4-25-89, Cl. 313-417.000.
Kakeya, Nobuhara: *See*—
  Tamaki, Satoshi; Kitagawa, Masaru; Tsuda, Hirokazu; Nishizawa, Susumu; Kakeya, Nobuhara; and Kitao, Kazuhiko, 4,847,286, Cl. 514-456.000.
Kakhramanov, Khalid T.: *See*—
  Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.
Kakihana, Sanehiko, to Menlo Industries, Inc. Die attachment process. 4,826,070, 5-2-89, Cl. 228-123.000.
Kakihana, Sanehiko, to Litton Systems, Inc. Field effect transistor. 4,864,372, 9-5-89, Cl. 357-22.000.
Kakihara, Yoshinobu, to Sharp Kabushiki Kaisha. Three dimensional semiconductor on insulator substrate. 4,834,809, 5-30-89, Cl. 148-33.000.
Kakihara, Yosuke: *See*—
  Miyazaki, Ryuichi; Kakihara, Yosuke; Doi, Yasushi; and Takizawa, Hirokazu, 4,868,884, Cl. 382-30.000.
Kakii, Toshiaki; Asano, Yasuo; and Suzuki, Shuzo, to Sumitomo Electric Industries, Ltd. Optical connector and splicer. 4,818,059, 4-4-89, Cl. 350-96.210.
Kakii, Toshiaki; Saito, Kazuhito; and Suzuki, Shuzo, to Sumitomo Electric Industries, Ltd. Optical connector and process for producing the same. 4,830,456, 5-16-89, Cl. 350-96.200.
Kakii, Toshiaki; Toda, Yuichi; Usui, Yuichi; Oranai, Mitsuaki; Kashima, Norio; and Kato, Yasuyaki, to Nippon Telegraph and Telephone Public Corporation; and Sumitomo Electric Industries, Ltd. Apparatus for aligning optical fibers. 4,830,490, 5-16-89, Cl. 356-73.100.
Kakimi, Fujio, to Fuji Photo Film Co., Ltd. Light-sensitive microcapsule containing polymerizable compound and silver halide, and light-sensitive material employing the same. 4,833,062, 5-23-89, Cl. 430-138.000.
Kakimi, Fujio, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent, polymerizable compound and a base or base precursor. 4,842,977, 6-27-89, Cl. 430-138.000.
Kakimi, Fujio, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide reducing agent and polymerizable compound and process for preparation thereof. 4,871,641, 10-3-89, Cl. 430-138.000.
Kakimi, Fujio; and Ishikawa, Shunichi, to Fuji Photo Film Co., Ltd. Light-sensitive microcapsule containing polymerizable compound and silver halide, and light-sensitive material employing the same wherein the silver halide is embedded in the shell wall comprised of polyurea or polyurethane. 4,888,265, 12-19-89, Cl. 430-138.000.
Kakimoto, Akira: *See*—
  Matsumoto, Hiroyo; Kakimoto, Akira; Nakayasu, Iwao; and Yonekura, Kazuo, 4,863,637, Cl. 252-628.000.
Kakimoto, Fumio; Asakawa, Naoki; Ishibashi, Yasuo; and Miyake, Yasuo, to Eisai Co., Ltd. Composition containing tissue plasminogen activator. 4,837,022, 6-6-89, Cl. 424-94.300.
Kakimoto, Hirofumi; Kiso, Osamu; and Shimada, Shinya, to Hayakawa Rubber Co., Ltd. Impact-cushioning sheets and direct-applying restraint type floor damping structures using the same. 4,803,112, 2-7-89, Cl. 428-161.000.
Kakimoto, Masaaki: *See*—
  Imai, Yoshio; Kakimoto, Masaaki; Maruyama, Yutaka; and Koishi, Toshio, 4,806,618, Cl. 528-125.000.
  Imai, Yoshio; Kakimoto, Masaaki; Oishi, Yoshiyuki; and Maruyama, Yutaka, 4,820,793, Cl. 528-183.000.
Kakimoto, Masakazu, to Ushio Kogyo Co., Ltd. Dental handpiece. 4,863,381, 9-5-89, Cl. 433-129.000.
Kakimoto, Norihiro; Sakai, Teizou; and Sasaki, Yoshinori, to Kabushikikaisha Germax; and Naigai Foods Kabushikikaisha. Method for maintaining freshness of vegetables by increasing germanium content. 4,849,236, 7-18-89, Cl. 426-322.000.
Kakimoto, Norihiro: *See*—
  Orimo, Hajime; Kakimoto, Norihiro; and Miyao, Kohei, 4,822,817, Cl. 514-492.000.
Kakimoto, Seizo; Kudo, Jun; and Koba, Masayoshi, to Sharp Kabushiki Kaisha. Method for manufacturing semiconductor devices. 4,855,014, 8-8-89, Cl. 156-620.720.
Kakimoto, Shigeya; Sumino, Yasuhiro; Yamada, Hideaki; Imayasu, Satoshi; Ichikawa, Eiji; and Suizu, Tetsuyoshi, to Takeda Chemical Industries, Ltd.; and Gekkeikan Sake Company, Ltd. Quality improvement of alcoholic liquors. 4,844,911, 7-4-89, Cl. 426-11.000.
Kakimoto, Syoichi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor light emitting device. 4,888,782, 12-19-89, Cl. 372-46.00F.
Kakimoto, Toshihiko; and Osawa, Satoshi, to Nissan Motor Co., Ltd. Bushing assembly. 4,809,960, 3-7-89, Cl. 267-141.000.
Kakimoto, Toshihiko; Murakami, Takuya; and Morita, Shinichi, to Nissan Motor Co., Ltd. Double link type suspension system. 4,810,002, 3-7-89, Cl. 280-666.000.
Kakimoto, Yukihiko; Sawada, Masayuki; Kajimoto, Yoshiaki; and Kiguchi, Isamu, deceased (by Kiguchi, Kuniko, legal representative), to Nippon Shokubai Kagaku Kogyo Co., Ltd.; and Atochem. Method for recovery of ethylene oxide. 4,875,909, 10-24-89, Cl. 55-40.000.
Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; and Watanabe, Tsukasa, to Oki Electric Industry Co., Ltd. Photoelectric conversion device. 4,811,069, 3-7-89, Cl. 357-30.000.
Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; Watanabe, Tsukasa; and Mouri, Mikio, to Oki Electric Industry Co., Ltd. Direct contact-type image sensor. 4,887,166, 12-12-89, Cl. 358-471.000.
Kakinuma, Katsuji: *See*—
  Oshima, Yasuhiro; Hasegawa, Iwao; Kakinuma, Katsuji; and Takahashi, Ryozi, 4,847,118, Cl. 427-275.000.
Kakinuma, Kazuo: *See*—
  Yamamoto, Shosaku; and Kakinuma, Kazuo, 4,830,778, Cl. 252-511.000.
  Yamamoto, Shosaku; Kakinuma, Kazuo; Ishioka, Hiroshi; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,874,818, Cl. 525-183.000.
  Yamamoto, Shosaku; Kakinuma, Kazuo; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,883,834, Cl. 524-504.000.
Kakinuma, Koichiro; Ando, Makoto; Sawa, Masahiko; Ohmori, Hideaki; Ohryo, Akira; and Nakamura, Tadahiko, to Sony Corporation. Portable magnetic card reading and writing apparatus with verification of constant and user supplied data. 4,812,632, 3-14-89, Cl. 235-479.000.
Kakinuma, Koichiro: *See*—
  Ando, Makoto; Kakinuma, Koichiro; Sawa, Masahiko; Ohmori, Hideaki; and Ohryo, Akira, 4,877,946, Cl. 235-380.000.
Kakinuma, Mitsuru: *See*—
  Aoki, Ken; Hoshi, Katsuhiko; Satoh, Shigeo; Kakinuma, Mitsuru; Togashi, Shigeru; and Saitoh, Hiromi, 4,860,550, Cl. 62-135.000.
Kakinuma, Yuji; and Fujita, Minoru, to Kyodo Printing Co., Ltd. Optical recording card and method of reading the same. 4,860,[illegible], 8-22-89, Cl. 369-109.000.
Kakisawa, Hiroshi; Kusumi, Takenori; and Ohno, Nobuo, to Sumitomo Chemical Company, Limited. Algicidal composition. [illegible], 6-20-89, Cl. 71-67.000.
Kakishita, Masahiro; and Katsumoto, Hiroshi, to Akai Electric Co., Ltd. Programmed time-changing coefficient digital filter. [illegible], 5-9-89, Cl. 364-724.190.
Kakita, Akira: *See*—
  Kasai, Yoichi, deceased; Kawamura, Akio; Nakanishi, Yoshio; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, 4,883,452, Cl. 600-35.000.
Kakita, Hideaki: *See*—
  Yamada, Kazuo; Tsuchiya, Masahiro; Kakita, Hideaki; Maruyama, Reijiro; Okada, Yoshinobu; and Takeuchi, Yo, 4,826,737, Cl. 428-650.000.
Kakita, Takao: *See*—
  Yoshinaga, Junji; Shoyaki, Takeshi; Kakita, Takao; Oishi, Hiromi; Sugimoto, Nobuko; and Kato, Yoshiko, 4,879,295, Cl. 514-255.000.
Kakiuchi, Hajime: *See*—
  Mashimo, Satoshi; Nagayasu, Susumu; Yamaguchi, Yoshio; Noguchi, Toru; Takada, Toshimichi; Kakiuchi, Hajime; and Yonemura, Takahiro, 4,833,305, Cl. 219-549.000.
Kakiuchi, Shinichi: *See*—
  Saito, Tasuku; and Kakiuchi, Shinichi, 4,858,924, Cl. 273-62.000.
Kakiuchi, Shizuo; and Iizuka, Hiroshi, to Pioneer Electronic Corporation. Digital level indicating device. 4,870,[illegible], 9-26-89, Cl. [illegible] 103.00P.
Kakiuchi, Shizuo: *See*—
  Aoyagi, Yoshio; Ishii, Tsuneo; Kakiuchi, Shizuo; and [illegible], Naoto, 4,805,050, Cl. 360-72.200.
  Iizuka, Hiroshi; and Kakiuchi, Shizuo, 4,855,741, Cl. 381-75.000.
Kakiuchi, Shunji: *See*—
  Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiro; Suzuki, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.
Kakiuchi, Toshihito: *See*—
  Kamuro, Yasuo; Kawai, Tadahide; and Kakiuchi, Toshihito, 4,846,872, Cl. 71-86.000.
Kakiuchi, Tsutomu; Mori, Akinari; and Ogawa, Yoshio, to Sony Corporation. Headphone. 4,829,571, 5-9-89, Cl. 381-25.000.
Kakizaki, Eiichi; and Emura, Izumi, to Alps Electric Co., Ltd. Cassette loading apparatus for tape player. 4,796,119, 1-3-89, Cl. 360-96.500.
Kakizaki, Jun, to NEC Corporation. Auto dialling facsimile apparatus. 4,866,760, 9-12-89, Cl. 379-100.000.
Kakizaki, Katsumi, to Tomy Kogyo Co., Inc. Drive control mechanism for spring-driven toy. 4,861,308, 8-29-89, Cl. 446-129.000.
Kakizaki, Tadasu, to Yamaha Corporation. Electronic musical instrument with editor. 4,881,440, 11-21-89, Cl. 84-609.000.
Kakizaki, Tetsuzi: *See*—
  Egashira, Akihiko; Yazaki, Takao; Kakizaki, Tetsuzi; and Mizutani, Toshikazu, 4,866,117, Cl. 524-406.000.
Kakizaki, Yukio: *See*—
  Imamura, Kazunori; Hayano, Fuminori; Kakizaki, Yukio; and Kobayashi, Jiro, 4,803,373, Cl. 250-561.000.
Kakizawa, Goro, to Ohken Seiko Co., Ltd. Small-sized pump. 4,801,249, 1-31-89, Cl. 417-269.000.
Kakizawa, Koichiro: *See*—
  Ichihashi, Tadashi; Kakizawa, Koichiro; and Kawamura, Masunori, 4,854,693, Cl. 351-221.000.
Kakizawa, Tsuyoshi: *See*—
  Sato, [illegible]; Takeuchi, Yasuhito; Tamezumi, Yoshiro; Higashizumi, Takao; and Kakizawa, Tsuyoshi, 4,803,486, Cl. 340-825.790.
Kako, Hidenori: *See*—
  Narita, Ryuho; Kako, Hidenori; and Imamura, Humihiro, 4,858,095, Cl. 363-21.000.
Kako, Mitsumasa; and Hirano, Sadashi, to Brother Kogyo Kabushiki Kaisha. Printed circuit board. 4,803,315, 2-7-89, Cl. 200-5.00A.
Kako, Noritoshi: *See*—
  Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.
Kako, Yukihiro: *See*—
  Yoshiwara, [illegible]; Kawanami, Takao; Suzuki, Kenichi; and Kako, Yukihiro, 4,831,708, Cl. 29-423.000.
Kakoschke, Christel: *See*—
  Morr, Michael; Kakoschke, Christel; Tsai, Hsin; and Getzlaff, Rita, 4,845,222, Cl. 544-347.000.
Kakonen, Pirjo M. Eyeglass frames. 4,813,775, 3-21-89, Cl. 351-92.000.
Kaku, Hiroyuki: *See*—
  Yamada, Mutsuo; Kamiguchi, Taiji; Tanimoto, Hirotoshi; Arikawa, Yoshijiro; Kaku, Hiroyuki; and Takamoto, Shigehito, 4,806,692, Cl. 568-401.000.
Kaku, Hisayuki: *See*—
  Ikeda, Michiaki; Kaku, Hisayuki; Yamashita, Shinji; Hara, Kenji; and Ono, Hiroyuki, 4,851,771, Cl. 324-208.000.
Kaku, Katsuo: *See*—
  Yano, Seinosuke; Okamura, Yoshihiro; Kaku, Katsuo; and Kobayashi, Junichi, 4,826,543, Cl. 148-12.00F.
Kaku, Nobuyuki; Masuda, Kenmei; and Tsubono, Isamu, to Hitachi, Ltd. Small sized magnetic recording and reproducing apparatus with improved rotating magnetic head. 4,814,910, 3-21-89, Cl. 360-85.000.
Kaku, Nobuyuki; Ogiro, Kenji; Osawa, Atsuo; Sasaki, Takashi; and Takita, Kouhei, to Hitachi, Ltd. Tape guide moving mechanism for magnetic record reproducing apparatus. 4,862,300, 8-29-89, Cl. 360-85.000.
Kaku, Nobuyuki: *See*—
  Nagai, Kyuichiro; Kaku, Nobuyuki; and Ogiro, Kenji, 4,837,646, Cl. 360-85.000.
Kaku, Shigeru: *See*—
  Uo, Junko; Nishimura, Masaji; Horiguchi, Kazuo; Nakanishi, Setsuko; and Kaku, Shigeru, 4,803,154, Cl. 435-7.000.
Kaku, Shinkyo; and Yu, Chung-Li, to Advanced Micro Devices, Inc. Two-dimensional facsimile encoding apparatus with coding and reference line windowing means and color change detectors. 4,807,043, 2-21-89, Cl. 358-261.300.
Kaku, Shinkyo; and Yu, Chung-Li, to Advanced Micro Devices, Inc. Apparatus for decoding facsimile coded data to image data with coding and reference line windowing and color change detection. 4,839,738, 6-13-89, Cl. 358-261.200.
Kaku, Takashi, to Fujitsu Limited. Two-wire full duplex frequency division multiplex modem system having echo cancellation means. 4,799,214, 1-17-89, Cl. 370-32.100.
Kaku, Takashi; and Arai, Yasuhiro, to Fujitsu Limited. MODEM communication system having training means and method for training same. 4,868,850, 9-19-89, Cl. 375-13.000.
Kaku, Toshimitsu; Shigematsu, Kazuo; Tsunoda, Yoshito; and Maeda, Takeshi, to Hitachi, Ltd. Optical information processing apparatus. 4,807,210, 2-21-89, Cl. 369-44.000.
Kaku, Toshimitsu; and Shigematsu, Kazuo, to Hitachi, Ltd. Semiconductor laser driver circuit. 4,819,242, 4-4-89, Cl. 372-38.000.
Kaku, Toshimitsu; Maeda, Takeshi; Nakamura, Shigeru; Ito, Masaru; Shigematsu, Kazuo; and Tsunoda, Yoshito, to Hitachi, Ltd. Optical memory apparatus using an optical disc having guide-grooves of V-shape and predetermined optical depth and access method therefor. 4,835,756, 5-30-89, Cl. 369-44.000.
Kaku, Toshimitsu; Tsunoda, Yoshito; Maeda, Takeshi; and Nakamura, Shigeru, to Hitachi, Ltd. Optical disk having track offset detection areas. 4,855,991, 8-8-89, Cl. 369-275.000.
Kaku, Toshimitsu; Tsunoda, Yoshito; and Shigematsu, Kazuo, to Hitachi, Ltd. Magneto-optic memory apparatus with defect detection of recording medium during erasing operation. 4,879,703, 11-7-89, Cl. 369-13.000.
Kaku, Toshimitsu: *See*—
  Kasai, Masuo; Maeda, Takeshi; Shigematsu, Kazuo; Kaku, Toshimitsu; and Takasago, Masahiro, 4,866,687, Cl. 369-32.000.
  Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.
  Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takeshi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.
Kakubo, Yuji: *See*—
  Niimi, Koji; Kakubo, Yuji; and Ikegaya, Yuji, 4,803,731, Cl. 381-63.000.
Kakuchi, Osamu: *See*—
  Ban, Mikichi; Kakuchi, Osamu; Yamamoto, Hironori; Ohtsuka, Masaru; Shiba, Osamu; and Hara, Kazuhiko, 4,850,709, Cl. 356-352.000.
Kakuda, Masatoshi; Kawamura, Chiaki; and Baba, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Magnetic disc device including device for controlling humidity in a disc enclosure. 4,831,475, 5-16-89, Cl. 360-97.030.
Kakuda, Masayuki, and Morishita, Etsuo, to Mitsubishi Denki Kabushiki Kaisha. Scroll compressor with super-charging tube. 4,815,951, 3-28-89, Cl. 418-15.000.
Kakuda, Masayuki; and Morishita, Etsuo, to Mitsubishi Denki Kabushiki Kaisha. Scroll compressor with super-charging tube. 4,865,531, 9-12-89, Cl. 418-55.000.
Kakuda, Masayuki: *See*—
  Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; Inaba, Tsutomu; Nakamura, Toshiyuki; and Kimura, Tadashi, 4,840,549, Cl. 418-55.000.
  Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; and Inaba, Tsutomu, 4,846,639, Cl. 418-55.000.
Kakuda, Yoshiaki; Wakahara, Yasushi; and Norigoe, Masamitsu, to Kokusai Denshin Denwa Kabushiki Kaisha. Automatic protocol synthesizing system. 4,802,162, 1-31-89, Cl. 371-15.000.
Kakudate, Yozo: *See*—
  Akoi, Katsutoshi; Fujiwara, Shuzo; Tanaka, Katsumi; Kakudate, Yozo; Yoshida, Masatake; and Usuba, Shu, 4,864,004, Cl. 526-73.000.
Kakugo, Masahiro; and Ima, Seiichiro, to Sumitomo Chemical Company, Limited. Polypropylene film. 4,839,234, 6-13-89, Cl. 428-349.000.
Kakugo, Masahiro: *See*—
  Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Kora, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, 4,820,775, Cl. 525-247.000.
Kakuhari, Hiroyuki: *See*—
  Uchida, Makoto; Kakuhari, Hiroyuki; Isogawa, Wataru; and Amano, Tadashi, 4,806,962, Cl. 354-324.000.
Kakuishi, Yutaka: *See*—
  Miura, Toshihiko; Fujiyama, Masaaki; and Kakuishi, Yutaka, 4,844,991, Cl. 428-694.000.
  Nishikawa, Yasuo; Matsufuji, Akihiro; Masuyama, Kenichi; and Kakuishi, Yutaka, 4,847,156, Cl. 428-425.900.
Kakuk, Jay J.: *See*—
  Beachy, Robert W.; Ellson, Bart T.; Kakuk, Jay J.; and Peterson, Gerald E., 4,870,548, Cl. 362-145.000.
  O'Brien, Steven T.; Kakuk, Jay J.; and Beachy, Robert W., 4,814,961, Cl. 362-319.000.
Kakuma, Yojiro: *See*—
  Koyari, Yukio; Sogame, Eiji; Kishimoto, Kanji; and Kakuma, Yojiro, 4,879,874, Cl. 60-259.000.
Kakumoto, Kouji: *See*—
  Murase, Shigemitsu; Kakumoto, Kouji; Miyazaki, Shouji; Sugawa, Masaru; and Ide, Mikio, 4,869,958, Cl. 428-364.000.
Kakumoto, Shigeru; Sumi, Tatsuo; and Kurisu, Tetsuo, to Hitachi, Ltd.; and Hitachi Software Engineering Co., Ltd. Method of and apparatus for automatically reading 5 band arrayal pattern. 4,841,443, 6-20-89, Cl. 364-413.010.
Kakumu, Ichizo: *See*—
  Ishida, Takao; Hagiwara, Hiroshi; and Kakumu, Ichizo, 4,837,979, Cl. 51-131.400.
  Ishida, Takeo; Hagiwara, Hiroshi; and Kakumu, Ichizo, 4,839,992, Cl. 51-5.00D.
Kakumu, Masakazu; and Asami, Tetsuya, to Kabushiki Kaisha Toshiba. Method for forming contact portion in semiconductor integrated circuit devices. 4,800,176, 1-24-89, Cl. 437-193.000.
Kakumu, Masakazu, to Kabushiki Kaisha Toshiba. Semiconductor device FET with reduced energy level degeneration. 4,812,889, 3-14-89, Cl. 357-42.000.
Kakushima, Masatoshi: *See*—
  Frenette, Richard; Gauthier, Jacques-Yves; Young, Robert N.; Zamboni, Robert; Kakushima, Masatoshi; and Verhoeven, Thomas R., 4,857,659, Cl. 562-426.000.
Kakuta, Rin-ichi: *See*—
  Ohtani, Ikuji; Watanabe, Akihiro; Wada, Akihiro; and Kakuta, Rin-ichi, 4,820,778, Cl. 525-329.900.
  Wada, Akihiro; Kakuta, Rin-ichi; Ohuchi, Kenji; Sugiyama, Jun; and Hasegawa, Shinji, 4,888,387, Cl. 525-66.000.
Kakuta, Rokuroh, legal representative: *See*—
  Kato, Masahiro; and Kakuta, Yuichi, deceased, 4,881,142, Cl. 360-106.000.

- Kakuta, Takeshi; and Miyoshi, Takahito, to Fuji Photo Film Co., Ltd. Method for preparing a magnetic recording medium. 4,859,500, 8-22-89, Cl. 427-128.000.
- Kakuta, Takuya: *See—*
  - Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Watanabe, Shigeomi, 4,885,022, Cl. 71-86.000.
  - Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,830,660, Cl. 71-92.000.
  - Yamamoto. Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; and Nawamaki, Tsutomu, 4,881,965, Cl. 71-92.000.
- Kakuta, Tatsuya; and Akasaka, Nobuhiro, to Sumitomo Electric Industries, Ltd. Resin composite. 4,799,762, 1-24-89, Cl. 350-96.340.
- Kakuta, Toshio; and Nagano, Hiroyuki, to Hosiden Electronics Co., Ltd. Hook switch. 4,874,912, 10-17-89, Cl. 200-16.00D.
- Kakuta, Yonehiro; Takigawa, Kouichi; Noji, Akio; Kuwabara, Shigeaki; Shimada, Tadashi; and Iida, Michihiro, to Honda Giken Kogyo Kabushiki Kaisha. Cant angle sensor assembly. 4,811,492, 3-14-89, Cl. 33-366.000.
- Kakuta, Yoshiaki. Suction type turbo-supercharger. 4,864,825, 9-12-89, Cl. 60-598.000.
- Kakuta, Yuichi, deceased: *See—*
  - Kato, Masahiro; and Kakuta, Yuichi, deceased, 4,881,142, Cl. 360-106.000.
- Kakutani, Masaki: *See—*
  - Watanabe, Kazuo; Nishimura, Toshiharu; and Kakutani, Masaki, 4,872,033, Cl. 355-27.000.
- Kakutani, Yoshimi: *See—*
  - Nejigaki, Tatuo; and Kakutani, Yoshimi, 4,840,769, Cl. 422-26.000.
- Kal, Omer; and Hall, John H., to Linear Integrated Systems, Inc. Bipolar input circuit for CMOS flash analog to digital converter. 4,870,418, 9-26-89, Cl. 341-133.000.
- Kaladas, Jeffrey J.: *See—*
  - Schulz, Donald N.; and Kaladas, Jeffrey J., 4,822,847, Cl. 524-547.000.
- Kaladis, Peter H.; Biantes, Peter; and Reiderich, Manuel J., to Jessella Pty Ltd. Folding strut and joint structure for collapsible articles. 4,810,029, 3-7-89, Cl. 297-16.000.
- Kalain, Terry M.: *See—*
  - Yusko, Edward M., Jr.; Brown, Cal R.; Kalain, Terry M.; and Williams, Peter C., 4,800,920, Cl. 137-556.000.
  - Yusko, Edward M., Jr.; Brown, Cal R.; Kalain, Terry M.; and Williams, Peter C., 4,877,053, Cl. 137-556.000.
- Kalal, Theodore T.; and Kowitch, Richard, to Cooper Power Systems, Inc. Line current to time interpolator. 4,878,143, 10-31-89, Cl. 361-94.000.
- Kalala, Rose H.; DeLeon, Joe R.; and Maculan, Thomas P., to Coca-Cola Company. Calcium fortified food product. 4,871,554, 10-3-89, Cl. 426-74.000.
- Kalamazoo Banner Works, Inc.: *See—*
  - Lepley, Roger M., 4,880,195, Cl. 248-219.400.
- Kalamazoo Holdings, Inc.: *See—*
  - Todd, Paul H., Jr., 4,844,939, Cl. 426-600.000.
  - Todd, Paul H., Jr., 4,877,635, Cl. 426-542.000.
- Kalamazoo plc: *See—*
  - Parker, Colin R., 4,851,075, Cl. 156-556.000.
- Kalan, Michael D.: *See—*
  - Bittorf, Bradley J.; Flood, Mark A.; Kalan, Michael D.; and Sepsi, Robert R., 4,876,664, Cl. 364-900.000.
- Kalata, Steven; Reid, Donald M.; Brown, Charles A.; and Thayer, Billy E., to Hewlett-Packard Company. Light emitting diode array current power supply. 4,864,216, 9-5-89, Cl. 323-315.000.
- Kalatozishvili, Elena I.: *See—*
  - Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.
  - Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Chekurishvili, Gia O.; Brekhman, Izrail I.; Bulanov, Alexandr E.; and Polozhentseva, Mira I., 4,877,772, Cl. 514-23.000.
- Kalaus, Gyorgy: *See—*
  - Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.
- Kalawsky, Roy S., to British Aerospace Public Limited Company. Optical control systems. 4,829,165, 5-9-89, Cl. 235-375.000.
- Kalazny, Andrzej: *See—*
  - Ensminger, Gerald H.; and Kalazny, Andrzej, 4,869,061, Cl. 59-35.100.
  - Ensminger, Gerald H.; and Kalazny, Andrzej, 4,872,306, Cl. 59-78.000.
- Kalbag, Suresh M. Blocked, marked amino acids. 4,855,486, 8-8-89, Cl. 560-158.000.
- Kalberer, Roderick W.; and Gordon, Robert L., to International Paper Company. Plastic pour spout bonding. 4,830,273, 5-16-89, Cl. 229-123.100.
- Kalberer, Roderick W.: *See—*
  - Gordon, Robert L.; and Kalberer, Roderick W., 4,813,546, Cl. 206-621.200.
  - Gordon, Robert L.; and Kalberer, Roderick W., 4,813,578, Cl. 222-541.000.
- Kalbfleisch, Fritz: *See—*
  - Heilmann, Paul; Kalbfleisch, Fritz; Preisser, Friedrich; and Schuster, Rolf, 4,869,470, Cl. 266-250.000.
- Kalck, Philippe: *See—*
  - Besson, Bernard; Kalck, Philippe; and Thorez, Alain, 4,889,957, Cl. 568-454.000.
- Kaldair Limited: *See—*
  - Bunce, James W., 4,800,690, Cl. 52-146.000.
- Kaldis, Pete: *See—*
  - Andera, Joseph F.; and Kaldis, Pete, 4,844,607, Cl. 351-245.000.
- Kale, B. Michael: *See—*
  - Moore, James E.; Kale, B. Michael; Csanak, George; and Luty, Fritz, 4,884,855, Cl. 350-1.100.
- Kale, Michael: *See—*
  - Moore, James; Kale, Michael; and Csanak, George, 4,859,028, Cl. 350-1.100.
- Kaleita, David L.: *See—*
  - Zboralski, James A.; Hock, Darryl A.; and Kaleita, David L., 4,884,215, Cl. 364-510.000.
- Kalemba, Ronald J.: *See—*
  - Jennings, Andrew T.; Schibinger, Joseph S.; and Kalemba, Ronald J., 4,819,150, Cl. 364-200.000.
- Kalempa, Walenty: *See—*
  - Kleynjans, Joseph P. H.; Kalempa, Walenty; and Pealer, Dominic J., 4,823,421, Cl. 14-71.300.
- Kalen, Daniel A. Object holder. 4,844,311, 7-4-89, Cl. 224-312.000.
- Kalenak, Robert D.; and Dierking, Stanley E., to Ball Corporation. Container closure with increased strength. 4,832,223, 5-23-89, Cl. 220-66.000.
- Kaler, Mark K., to Dayton Superior Corporation. Load transfer assembly. 4,883,385, 11-28-89, Cl. 404-47.000.
- Kaleskas, Edward: *See—*
  - Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,828,545, Cl. 604-66.000.
  - Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,865,584, Cl. 604-67.000.
- Kalessidis, Vassilios: *See—*
  - Tannenbaum, Eli; Burgess, Trevor; Kalessidis, Vassilios; Orban, Andre; Williams, John; and Zanker, Klaus, 4,887,464, Cl. 73-153.000.
- Kaletka, Martin: *See—*
  - Michael, Wolfgang; and Kaletka, Martin, 4,840,055, Cl. 72-345.000.
- Kalfoglou, George, to Texaco Inc. Deoxygenation of aqueous polymer solutions used in enhanced oil recovery processes. 4,869,732, 9-26-89, Cl. 55-16.000.
- Kali-Chemie Aktiengesellschaft: *See—*
  - Boedecker, Manfred; Benecke, Thomas; Krucke, Werner; and Baumeister, Willi, 4,883,913, Cl. 564-2.000.
  - Jager, Paul, 4,842,833, Cl. 423-160.000.
  - Sartori, Peter, 4,804,447, Cl. 204-63.000.
- Kali-Chemie Pharma GmbH: *See—*
  - Ohlendorf, Heinrich W.; and Maetzel, Uwe, 4,831,167, Cl. 549-355.000.
  - Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuehl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., 4,803,198, Cl. 514-212.000.
  - Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuhl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., 4,814,345, Cl. 514-418.000.
  - Schoen, Uwe; Kehrbach, Wolfgang; Hachmeister, Bernd; Buschmann, Gerd; and Kuehl, Ulrich G., 4,879,299, Cl. 514-286.000.
  - Walenta, Rainer; Muller-Peddinghaus, Reiner; Ban, Ivan; Wurl, Michael; and Preuschoff, Ulf, 4,886,806, Cl. 514-253.000.
- Kali und Salz Aktiengesellschaft: *See—*
  - Kuppers, Helmuth; and Knauer, Hans-Jurgen, 4,797,201, Cl. 209-127.400.
  - Loeblich, Karl-Richard; Bruns, Guenter; Zentgraf, Helmut; and Czaplinsky, Ernst, 4,848,675, Cl. 241-21.000.
- Kalibe, Marlis: *See—*
  - Soldanski, Heinz-Dieter; Kalibe, Marlis; and Holdt, Bernd-Dieter, 4,808,329, Cl. 252-162.000.
- Kalinowski, Robert E.: *See—*
  - Graiver, Daniel; Kalinowski, Robert E.; and Dahlbeck, Gary A., 4,851,168, Cl. 264-28.000.
  - Graiver, Daniel; and Kalinowski, Robert E., 4,888,364, Cl. 521-64.000.
- Kalischewski, Rolf; Petersen, Gerd; and Schussler, Karl, to Hoppe GmbH. Telescoping wall element of a movable partition. 4,833,840, 5-30-89, Cl. 52-64.000.
- Kaliski, Edward J., to Du Pont de Nemours, E. I., and Company. Insulated frame package for microwave cooking. 4,851,632, 7-25-89, Cl. 219-10.55E.
- Kaliszek, Andrew: *See—*
  - Campisi, Carl; Kaliszek, Andrew; Klein, Elmer M.; Schmid, Richard G.; and Bradfish, Thomas J., 4,817,272, Cl. 29-741.000.
- Kalitzki, Siegfried: *See—*
  - Fetzer, Gerhard; and Kalitzki, Siegfried, 4,866,927, Cl. 57-414.000.
- Kalk, Franklin D.: *See—*
  - Carcia, Peter F.; and Kalk, Franklin D., 4,857,373, Cl. 428-64.000.
- Kalka, Donald M. Ski sharpener. 4,882,953, 11-28-89, Cl. 76-83.000.
- Kalkipsakis, Charalambos G.: *See—*
  - Hackett, Malcolm J.; and Kalkipsakis, Charalambos G., 4,856,261, Cl. 53-469.000.

- Kall, Mikael: *See—*
  - Jernberg, Marita; and Kall, Mikael, 4,846,415, Cl. 242-55.530.
- Kalla, Elizabeth M.; and Moyer, Jerry L., to Bionetics Corporation, The. Diet delivery system. 4,834,801, 5-30-89, Cl. 119-18.000.
- Kallabis, Manfred; and Gombert, Guido. Cementless endoprostheis. 4,840,633, 6-20-89, Cl. 623-23.000.
- Kallay nee Sohonyai, Anna: *See—*
  - Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
- Kallay, Tamas: *See—*
  - Friesz, Antal; Nad, Zsuzsanna; Nagy, Lajos; and Kallay, Tamas, 4,820,838, Cl. 544-268.000.
- Kalleberg, Jacob. Separator for separating a mixture of two liquids having different specific weights. 4,816,152, 3-28-89, Cl. 210-360.200.
- Kalleitner, Johann: *See—*
  - Weinrotter, Klaus; Jeszenszky, Thomas; Schmidt, Heinrich; Baumann, Siegfried; and Kalleitner, Johann, 4,801,502, Cl. 428-397.000.
- Kallen, Wilhelm: *See—*
  - Haas, Rudi; Jansen, Georg; and Kallen, Wilhelm, 4,832,107, Cl. 164-98.000.
- Kallenbach, Dieter H. F., to Coxwold (Proprietary) Limited. Suction operated cleaner. 4,807,318, 2-28-89, Cl. 15-1.700.
- Kallenbach, Neville R.: *See—*
  - Cornelius, Paul A.; Hochstrasser, Robin M.; Kallenbach, Neville R.; Rubin, Harvey; and Todaro, George J., 4,880,512, Cl. 204-157.610.
- Kallenberg, Karl J., to Lifetouch National School Studios Inc. Film transparency slide carrier and conveyor system for front screen projection system. 4,832,482, 5-23-89, Cl. 353-120.000.
- Kallenberg, Karl J., to Lifetouch National School Studios Inc. Camera and projector alignment for front screen projection system. 4,843,410, 6-27-89, Cl. 354-77.000.
- Kallenberg, Karl J.; and Harvey, Ronald B., to Lifetouch National School Studios Inc. Image projectors with pivoting mirror in front screen projection system. 4,847,645, 7-11-89, Cl. 354-77.000.
- Kallergis, Michael, to Deutsche Forchungs- und Versuchsanstalt fur Luft- und Raumfahrt e.V. Propeller whose blades are provided with slats. 4,840,540, 6-20-89, Cl. 416-223.00A.
- Kallestad Diagnostics, Inc.: *See—*
  - Kao, Richard; Blocki, Frank A.; Pranis, Robert A.; and Mahoney, Walter C., 4,835,101, Cl. 435-28.000.
- Kallevig, Bruce: *See—*
  - Walsh, Warren J.; and Kallevig, Bruce, 4,834,287, Cl. 239-127.000.
- Kallhardt, Heinrich: *See—*
  - Schiller, Kurt; Luger, Johann; Schierl, Hans; and Kallhardt, Heinrich, 4,868,876, Cl. 379-437.000.
- Kallies, Guenter; and Scheidemann, Dieter, to Messerschmitt-Bolkow-Blohm GmbH. Fiber reinforced shell structure of synthetic material. 4,811,540, 3-14-89, Cl. 52-630.000.
- Kallimanis, Georgios. Method for the treatment of psoriasis. 4,857,554, 8-15-89, Cl. 514-557.000.
- Kallin, Fredrik L. N.; and Reid, Bruce A., to NCR Corporation. Aligning and protective cover for a motor. 4,888,481, 12-19-89, Cl. 250-231.0SE.
- Kallinich, Dietmar; and Kahlert, Wolfgang, to Flachglas Aktiengesellschaft. Sealing barrier for subterranean purposes. 4,844,662, 7-4-89, Cl. 405-265.000.
- Kallman, M. Raymond; Mione, Lawrence J.; and Sabol, Peter, to Voltec Corporation. Static grounding and monitoring accessory. 4,829,289, 5-9-89, Cl. 340-656.000.
- Kallman, Robert; and Henderson, Mark. Dust ruffles for a bed. 4,796,317, 1-10-89, Cl. 5-493.000.
- Kallman, Robert. Mitten attachment for a glove with an appendage stowage system. 4,813,082, 3-21-89, Cl. 2-158.000.
- Kallmes, Otto J., to M/K Systems Inc. Hydrofoil blade for producing turbulence. 4,838,996, 6-13-89, Cl. 162-352.000.
- Kalloy, Katalin: *See—*
  - Knoll, Jozsef; Birkmayer, Walter; Kalloy, Katalin; Marton, Jeno; and Ecsery, Zoltan, 4,880,833, Cl. 514-565.000.
- Kallstrom, Krister, to Hadak Security AB. Fire resistant wall element. 4,814,217, 3-21-89, Cl. 428-70.000.
- Kallstrom, Walter H. Windshear detection indicator system. 4,812,844, 3-14-89, Cl. 340-949.000.
- Kallury, Krishna M.: *See—*
  - Thompson, Michael; Krull, Ulrich J.; and Kallury, Krishna M., 4,824,529, Cl. 204-1.00T.
- Kallweit, Manfred, to Schering Aktiengesellschaft. Device for cleaning or chemical treatment or workpieces. 4,846,202, 7-11-89, Cl. 134-122.00R.
- Kally, Inc.: *See—*
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- Kalm, Michael L.: *See—*
  - Hudson, Charles L., Jr.; and Kalm, Michael L., 4,847,839, Cl. 371-25.000.
- Kalman, Alajos: *See—*
  - Beyer, Herman; Borbely, Gabriella; Dombi, Sandor; Kalman, Alajos; Meszaros, Gyula; Miasnikov, Peter; and Rozsa, Pal, 4,850,173, Cl. 52-741.000.
- Kalman, Jeffrey M.: *See—*
  - Spirk, John W.; Nottingham, John R.; and Kalman, Jeffrey M., 4,796,784, Cl. 222-80.000.
- Kalman, Laszlo: *See—*
  - Lam, Bela; Kalman, Laszlo; Nagy, Gabor; and Marso, Sandor, 4,865,730, Cl. 210-222.000.
- Kalman, Tibor: *See—*
  - Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
  - Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, 4,828,617, Cl. 106-14.340.
- Kalmanash, Michael H., to Kaiser Aerospace & Electronics Corporation. Stereoscopic display. 4,877,307, 10-31-89, Cl. 350-132.000.
- Kalmanek, Charles R., Jr.: *See—*
  - Delaney, Robert H.; Kalmanek, Charles R., Jr.; and Restrick, Robert C., III, 4,841,295, Cl. 340-825.500.
- Kalmanides, Danny, to Inline Plastics Corporation. Food container with ribbed lid locking mechanism. 4,886,204, 12-12-89, Cl. 229-2.50R.
- Kalnes, Tom N.; James, Robert B., Jr.; and Staggs, Darrell W., to UOP Inc. Process for treating a temperature-sensitive hydrocarbanaceous stream containing a non-distillable component to produce a hydrogenated distillable hydrocarbonaceous product. 4,818,368, 4-4-89, Cl. 208-50.000.
- Kalnes, Tom N.; and James, Robert B., Jr., to UOP. Process for treating a temperature-sensitive hydrocarbonaceous stream containing a non-distillable component to produce a hydrogenated distillable hydrocarbonaceous product. 4,840,721, 6-20-89, Cl. 208-57.000.
- Kalnes, Tom N.; and James, Robert B., Jr., to UOP. Process for treating a temperature-sensitive hydrocarbonaceous stream containing a non-distillable component to produce a selected hydrogenated distillable light hydrocarbonaceous product. 4,882,037, 11-21-89, Cl. 208-85.000.
- Kalnes, Tom N.: *See—*
  - James, Robert B., Jr.; and Kalnes, Tom N., 4,806,233, Cl. 208-262.100.
- Kalnin, Ilmar L.: *See—*
  - Goldberg, Harris A.; Kalnin, Ilmar L.; Williams, Clyde C.; and Spain, Ian L., 4,856,179, Cl. 29-592.100.
- Kalnitsky, Alexander; Ellul, Joseph P.; and Tay, Sing P., to Northern Telecom Limited. Method and apparatus for removing coating from substrate. 4,836,902, 6-6-89, Cl. 204-192.320.
- Kalnitsky, Alexander; Ellul, Joseph P.; Tay, Sing P.; and Poirier, Jacques G., to Northern Telecom Limited. Method and apparatus for removing coating from substrate. 4,859,303, 8-22-89, Cl. 204-192.360.
- Kalnitsky, Alexander; King, Michael I. H.; and Hadaway, Robert A., to Northern Telecom Limited. Ion implanted semiconductor device. 4,868,618, 9-19-89, Cl. 357-23.500.
- Kalocsai, Istvan: *See—*
  - Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso ; Nemes, Istvan; Botar, Laszlo ; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
- Kalomiris, Vasilios E. Fiber optic connectors. 4,875,753, 10-24-89, Cl. 350-96.200.
- Kalota, Dennis J.; McConaghy, John S., Jr.; Fisher, David O.; and Zielinski, Ronald E., to Monsanto Company. Vapor phase soldering using certain perfluorinated polyethers. 4,871,109, 10-3-89, Cl. 228-180.100.
- Kaloy, Katalin: *See—*
  - Stadler nee Szoke, Agnes; Szejtli, Jozsef; Weiszfeiler, Viktor; Vargay, Zoltan; Kaloy, Katalin; Gergely, Vera; and Szuts, Tamas, 4,826,963, Cl. 536-103.000.
- Kalpakci, Bayram; and Jeans, Yvonne, to Standard Oil Company, The. Surfactant combinations and enhanced oil recovery method employing same. 4,811,788, 3-14-89, Cl. 166-246.000.
- Kalpakci, Bayram; and Arf, Tevhide G., to Standard Oil Company, The. Method of enhanced oil recovery using a stabilized polymer combination in chemical flood. 4,825,950, 5-2-89, Cl. 166-273.000.
- Kalro, Chandru M.: *See—*
  - Edgar, Jack K.; and Kalro, Chandru M., 4,864,957, Cl. 114-258.000.
- Kalsi, Hardyal S.: *See—*
  - Markland, Eric; Tofield, Graham M.; Lucas, Gary P.; and Kalsi, Hardyal S., 4,838,091, Cl. 73-861.190.
- Kalsi, Manmohan S.: *See—*
  - Arlott, Colin; and Kalsi, Manmohan S., 4,810,105, Cl. 384-97.000.
- Kalsi, Nirmal S., to KLASI, Nirmal S. Oculofacial massager. 4,841,954, 6-27-89, Cl. 128-36.000.
- Kalt, Glenda G.; Straub, Dale K.; and Piwonka, Peter, to Kalt, Glenda G. Universal clamp. 4,838,867, 6-13-89, Cl. 604-180.000.
- Kalt, Glenda G.; Straub, Dale K.; and Piwonka, Peter, to Kalt, Glenda G. Universal clamp. 4,838,878, 6-13-89, Cl. 604-180.000.
- Kaltbeitzel, Gunter; Klein, Michael; Renner, Martin; and Wolk, Joachim, to Alcatel, N.V. Test circuit arrangement for a communication network and test method using same. 4,881,229, 11-14-89, Cl. 371-20.400.
- Kaltenbach, Martin. Dilation catheter. 4,848,342, 7-18-89, Cl. 128-341.000.
- Kaltenbach & Voigt GmbH & Co.: *See—*
  - Bodenmiller, Anton, 4,834,357, Cl. 269-289.00R.
  - Gmeinder, Hermann, 4,830,613, Cl. 433-28.000.
  - Lohn, Gerd, 4,886,452, Cl. 433-32.000.
  - Lohn, Gerd, 4,886,455, Cl. 433-80.000.

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Kaltenbronn, James S.; Lunney, Elizabeth A.; and Nicolaides, Ernest D., to Warner-Lambert Company. Proline-containing renin inhibitors. 4,804,743, 2-14-89, Cl. 530-330.000.
Kaltenbronn, James S.: *See—*
Hudspeth, James P.; Kaltenbronn, James S.; Repine, Joseph T.; and Woo, Peter W. K., 4,863,905, Cl. 514-18.000.
Kaltenthaler, Wolfgang: *See—*
Schonfeld, Karl-Heinrich; Kaltenthaler, Wolfgang; Meyer, Volker; and Vanselow, Jorg, 4,809,957, Cl. 267-64.110.
Kaltmann, Hans-Joachim; and Kantner, Horst, to Rheinmetal GmbH. Training cartridge. 4,867,065, 9-19-89, Cl. 102-444.000.
Kaltschmid, Helmut: *See—*
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Kalua, Kevin A. Multiple screen, modular video display projection system. 4,866,530, 9-12-89, Cl. 358-237.000.
Kalugin, Jury V.: *See—*
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Kalus, Peter; and von Truchsess, Hanns-Martin, to Esselte Meto International GmbH. Imprintable sheet, method for the production thereof and use thereof. 4,801,487, 1-31-89, Cl. 428-206.000.
Kaluschke, Thomas: *See—*
Boie, Immo; Peters, Manfred; Himmelmann, Wolfgang; Kaluschke, Thomas; Schenk, Gunther; Wingender, Kaspar; and Frank, Karl, 4,847,179, Cl. 430-203.000.
Peters, Manfred; Ohlschlager, Hans; Kaluschke, Thomas; Wingender, Kaspar; Schenk, Gunther; and Boie, Immo, 4,840,871, Cl. 430-203.000.
Peters, Manfred; Becker, Manfred; Wingender, Kaspar; Kaluschke, Thomas; and Klotzer, Sieghart, 4,877,722, Cl. 430-5[illegible].000.
Kalustian, Sarkis V.: *See—*
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Kaluza, Thomas J.: *See—*
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Kaluzhsky, Nikolai A.: *See—*
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Kalvaitis, Arvydas J.; Dizon, Edmund S.; and Tso, Kenneth K., to S&C Electric Company. Mechanical door interlock for electrical equipment enclosure. 4,806,710, 2-21-89, Cl. 200-50.00A.
Kalvaitis, Arvydas J.; and Ernst, Thomas W., to S&C Electric Company. Switchgear enclosure and method of fabrication. 4,862,324, 8-29-89, Cl. 361-390.000.
Kalvaitis, Arvydas J.: *See—*
Dizon, Edmund S.; and Kalvaitis, Arvydas J., 4,815,237, Cl. 49-383.000.
Kalvenes, Bjorn K.; Guthormsen, Oyvind; and Erstad, Troels, to Mobil Oil Corporation; Kvaerner Engineering A.S.; and Den Norske Stats Oljeselskap A.S. Subsea flowline connection system. 4,842,075, 6-27-89, Cl. 166-341.000.
Kalversberg, Manfred: *See—*
Honig, Ernst-August; Kaspar, Lothar; Kalversberg, Manfred; Oberpichler, Gerd; Hagemann, Gottfried; and Schmidt, Dieter, 4,811,631, Cl. 74-762.000.
Kalvoda, Franz X., to Klein, Schanzlin & Becker Aktiengesellschaft. Multiple-face radial plain bearing. 4,834,559, 5-30-89, Cl. 384-118.000.
Kalwar, Klaus. Method of manufacturing a corona discharge electrode and a corona discharge electrode produced by the method. 4,841,409, 6-20-89, Cl. 361-230.000.
Kalyan, Vibhu: *See—*
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Gupta, Balaram; and Kalyanaraman, Palaiyur, 4,869,994, Cl. 430-197.000.
Kalyanaraman, Palaiyur S.; and Garito, Anthony F., to Hoechst Celanese Corp. Bistable optical devices. 4,854,676, 8-8-89, Cl. 350-354.000.
Kam, Chih-Min: *See—*
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Kam, Sheung T.; Matier, William L.; Patil, Ghanshyam; and Mai, Khuong H. X., to Du Pont de Nemours, E. I., and Company. 2-hydroxypropylamine heteroaryl ester derivatives. 4,798,892, 1-17-89, Cl. 544-146.000.
Kam, Sheung T.; and Matier, William L., to Du Pont de Nemours, E. I., and Company. 2-hydroxypropylamine aryl ester derivatives. 4,810,717, 3-7-89, Cl. 514-377.000.
Kama Corporation: *See—*
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Kamachi, Hajime: *See—*
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Sato, Kazutaka; Watanabe, Michihiro; Zen, Munetoshi; Obata, Shigeru; Atoh, Kazuhiko; and Kamachi, Katsuhiko, 4,835,550, Cl. 346-76.0PH.
Kamada, Eiki; Shintani, Yooichi; Shonai, Tohru; and Takeuchi, Shigeo, to Hitachi, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Information processing apparatus for determining sequence of parallel executing instructions in response to storage requirements thereof. 4,831,515, 5-16-89, Cl. 364-200.000.
Kamada, Eiki: *See—*
Kuriyama, Kazunori; Shintani, Yooichi; Yamaoka, Akira; Shonai, Tohru; Kamada, Eiki; and Inoue, Kiyoshi, 4,858,105, Cl. 364-200.000.
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Katsuta, Yuji; Kita, Sumio; Takano, Sakuharu; and Kamada, Hiroshi, 4,797,946, Cl. 382-61.000.
Kamada, Keiichi; Kawamoto, Seiji; Yaegashi, Makoto; and Shiraishi, Shiro, to Mitsui Toatsu Chemicals, Inc. Insecticidal resin coating film. 4,818,525, 4-4-89, Cl. 424-81.000.
Kamada, Keiichi; Torikai, Motoyuki; and Ohkita, Yasuo, to Mitsui Toatsu Chemicals, Incorporated. Strippable coating film and coating method using same. 4,886,704, 12-12-89, Cl. 428-323.000.
Kamada, Koh; Hashimoto, Hiroshi; and Okita, Tsutomu, to Fuji Photo Film Co., Ltd. Method of making substrate for magnetic recording medium. 4,810,435, 3-7-89, Cl. 264-22.000.
Kamada, Kozo: *See—*
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Kamada, Mamoru; Nagase, Fumiaki; Takeuchi, Eiichi; Nakano, Toshihiko; and Makimoto, Shoichi, to Toyo Aluminium Kabushiki Kaisha. Packaging sheet and containers and pouches using the sheet. 4,848,931, 7-18-89, Cl. 383-104.000.
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Kamada, Soetsu; and Ito, Akinori, to Alps Electric Co., Ltd. Push switch assembly with interlock mechanism. 4,795,860, 1-3-89, Cl. 200-5.00B.
Kamada, Soetsu; and Shimoyama, Yujiro, to Alps Electric Co., Ltd. Push-button switch device having individual/interlocking action. 4,843,192, 6-27-89, Cl. 200-50.00C.
Kamada, Soetsu, to Alps Electric Co., Ltd. Combined push and slide switch assembly. 4,871,885, 10-3-89, Cl. 200-5.00R.
Kamada, Tadashi: *See—*
Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, 4,867,561, Cl. 356-237.000.
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Kamahori, Masao; Watanabe, Yoshio; Miura, Junkichi; Taki, Mamoru; and Miyagi, Hiroyuki, to Hitachi, Ltd. Flow-through cell for a photometer formed using a pair of cell body members. 4,823,168, 4-18-89, Cl. 356-246.000.
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Kamaji, Hideo, to Nippon Air Brake Co., Ltd. Magnetic rotational detecting arrangement for sensing the speed of a railway vehicle. 4,845,428, 7-4-89, Cl. 324-174.000.
Kamakura, Hiroshi; Sonehara, Tomio; Ono, Takeshi; Nakamura, Junchi; Yajima, Akitaka; and Aruga, huji, to Seiko Epson Corporation. Projection-type color display device. 4,850,685, 7-25-89, Cl. 350-397.000.
Kamakura, Takuro: *See—*
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Suzuki, Tameyuki; and Kamakura, Takuro, 4,873,175, Cl. 430-311.000.
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Kaman Aerospace Corporation: *See—*
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Rather, John D. G.; Ames, Gregory H.; Conklin, Edward K.; Lazzarini, Albert J.; Mangano, Joseph; and Ulich, Bobby L., 4,825,062, Cl. 250-201.000.
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Kaman Instrumentation Corporation: *See—*
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Pettit, George R.; Herald, Cherry L.; Kamano, Yoshiaki; and Leet, John E., 4,833,257, Cl. 549-267.000.
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Kamarchik, Peter, Jr.; McCollum, Gregory J.; and Mauer, George W., to PPG Industries, Inc. Novel blocked isocyanates and curable compositions containing the same. 4,824,925, 4-25-89, Cl. 528-45.000.
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Kamas, Peter; Hardy, Douglas A.; and Emmett, David M., to Benson, Inc. Single-pass color plotter. 4,804,979, 2-14-89, Cl. 346-157.000.
Kamasaki, Keiji; Dengo, Tadao; Fukuda, Ikuo; and Motojima, Hideaki, to Kabushiki Kaisha Toshiba. Semiconductor device having high resistance to electrostatic and electromagnetic induction using a complementary shield pattern. 4,796,084, 1-3-89, Cl. 357-84.000.
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Kamata, Atsushi, to Kabushiki Kaisha Toshiba. Semiconductor light emitting device using group I and group VII dopants. 4,868,615, 9-19-89, Cl. 357-17.000.
Kamata, Eitaro, to Shoei Kako Kabushiki Kaisha. Helmet. 4,821,344, 4-18-89, Cl. 2-414.000.
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Kamata, Naoko; and Fukuda, Tadaji, to Canon Kabushiki Kaisha. Photoconductive member and support for said photoconductive member. 4,814,248, 3-21-89, Cl. 430-69.000.
Kamata, Shigeru, to Fuji Car Mfg. Co., Ltd. Trouser presser having vertically and horizontally movable carrier. 4,807,376, 2-28-89, Cl. 38-42.000.
Kamata, Shigeru; and Notagashira, Hidefumi, to Canon Kabushiki Kaisha. Lens barrel. 4,824,207, 4-25-89, Cl. 350-255.000.
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Suzuki, Ryuji; Furukawa, Hiroshi; and Kamata, Shigeru, 4,844,586, Cl. 350-255.000.

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Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.
Kamata, Toyokazu: *See—*
Saito, Masato; Fukuyama, Keiji; Ishida, Masako; Watanabe, Keiji; Kamata, Toyokazu; and Sano, Kinjiro, 4,797,593, Cl. 313-346.00R.
Sano, Kinjiro; Kamata, Toyokazu; Fukuyama, Keiji; Saito, Masato; and Watanabe, Keiji, 4,864,187, Cl. 313-346.00R.
Kamata, Yasuji: *See—*
Shimokawa, Ryushi; Ueda, Seiichi; Kamata, Yasuji; Yamashita, Kenkichi; Kato, Kazuo; and Sato, Hideo, 4,888,561, Cl. 330-290.000.
Kamata, Yoshiharu: *See—*
Nagatsuma, Nobuyoshi; and Kamata, Yoshiharu, 4,884,327, Cl. 29-235.000.
Kamata, Yoshikiyo; and Fukuoka, Takashi, to Kioritz Corporation. Vibration damper. 4,817,923, 4-4-89, Cl. 267-63.00A.
Kamataki, Yoshihisa: *See—*
Arii, Michio; Kamataki, Yoshihisa; Hino, Shirou; and Matsui, Shoji, 4,854,121, Cl. 60-39.182.
Kamatani, Yukio: *See—*
Sugiyama, Hisashi; Sugimoto, Yasuhiro; and Kamatani, Yukio, 4,798,980, Cl. 307-471.000.
Kamath, Hundi P.; and Leder, Jeffrey C., to Raychem Corporation. Electrical devices comprising conductive polymer compositions. 4,866,253, 9-12-89, Cl. 219-548.000.
Kamath, Hundi P.; and Leder, Jeffrey C., to Raychem Corporation. Electrical devices comprising conductive polymer compositions. 4,876,440, 10-24-89, Cl. 219-548.000.
Kamath, Vasanth R.; and Palys, Leonard H., to Pennwalt Corporation. Process for reducing residual monomers in low viscosity polymer-polyols. 4,804,775, 2-14-89, Cl. 558-358.000.
Kamatics Corporation: *See—*
Narkon, Glennwood H.; and Orkin, Stanley S., 4,842,424, Cl. 384-203.000.
Kamatsu Zenoah, Co.: *See—*
Terai, Akio; Yoshino, Junichi; Satsumi, Shinroku; and Taniguchi, Mitsuru, 4,881,363, Cl. 56-255.000.
Kamax-Werke Rudolf Kellermann GmbH & Co. KG: *See—*
Oertel, Klaus, 4,854,794, Cl. 411-307.000.
Kamaya Kagaku Kogyo Co., Ltd.: *See—*
Nakamura, Toshiko; and Tahara, Tomio, 4,858,765, Cl. 206-581.000.
Tahara, Tomio, 4,799,503, Cl. 220-260.000.
Kamaya, Kazuo; and Takisawa, Yukihisa, to Sumitomo Chemical Company, Limited. Ascorbic acid or erythorbic acid derivatives. 4,822,898, 4-18-89, Cl. 549-317.000.
Kamaya, Masashi, to PIAA Corporation. Cargo-fastening unit for use with roof-carriers of vehicles. 4,817,838, 4-4-89, Cl. 224-319.000.
Kamayachi, Yuzo, to Tensho Electric Industrial Co., Ltd. Massage unit. 4,878,489, 11-7-89, Cl. 128-36.000.
Kamayama, Toshiyuki: *See—*
Okami, Yoshiro; Kurasawa, Shogo; Kamayama, Toshiyuki; Takahashi, Atsushi; Ishizuka, Masaaki; and Umezawa, Hamao, deceased, 4,870,172, Cl. 540-460.000.
Kamazawa, Mitsuo, to Keitatsu Co., Ltd. Motorized vibrator with reciprocating motion. 4,827,914, 5-9-89, Cl. 128-34.000.
Kambara, Goro: *See—*
Eaton, Homer L.; Selesky, Kenneth G.; and Kambara, Goro, 4,835,855, Cl. 29-863.000.
Kambara, Hideki; and Ito, Yoshitoshi, to Hitachi, Ltd. Wavelength dispersion electrophoresis apparatus. 4,832,815, 5-23-89, Cl. 204-299.00R.
Kambara, Hideki; and Nishikawa, Tetsuo, to Hitachi, Ltd. Method for reutilization of electrophoresis gel. 4,879,012, 11-7-89, Cl. 204-157.150.
Kambara, Hideki: *See—*
Tamotu, Simada; Kambara, Hideki; Harada, Yoshinori; Watanabe, Kenichi; and Tokita, Jiro, 4,830,830, Cl. 422-71.000.
Kambara, Koji: *See—*
Sato, Michio; Kambara, Koji; and Nakajima, Yukio, 4,841,952, Cl. 128-6.000.
Washizuka, Nobuhiko; and Kambara, Koji, 4,813,400, Cl. 128-6.000.
Kambayashi, Koji; Okamoto, Nobuyuki; and Kawanami, Kenichiro, to Sony Corporation. Interface circuit for adapting a multi-scan monitor to receive color display data from various types of computers. 4,841,289, 6-20-89, Cl. 340-703.000.
Kambayashi, Makoto; Nakatani, Kensuke; Ozaki, Kazuaki; Tomida, Masahito; Haraguchi, Hiroshi; and Hamamatsu, Takeo, to Sanyo Electric Co., Ltd. Method and apparatus for manufacturing electrode for battery. 4,887,349, 12-19-89, Cl. 29-623.500.
Kambayashi, Osamu: *See—*
Noto, Hiroshi; Hayashida, Nobuyuki; Kojima, Taketoshi; Ito, Makoto; and Kambayashi, Osamu, 4,885,580, Cl. 341 23.000.
Kambe, Hiroyuki, to Nisshoku Corporation. Method for constructing water-permeable sports surface and the like. 4,826,350, 5-2-89, Cl. 404-27.000.
Kambe, Shigemitsu; and Miyafuzi, Hideaki, to Nippon Petrochemicals Company, Limited. Ethylenic thermoplastic resin composition. 4,877,663, 10-31-89, Cl. 428-35.500.

Kambe, Takeshi: *See—*
  Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,816,063, Cl. 71-90.000.
  Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,885,023, Cl. 71-90.000.

Kambe, Yoshiaki; Okuda, Yoshihiko; Hirono, Atsuyuki; Nagaoka, Akira; and Ito, Takayasu, to Matsushita Electric Works, Ltd. Optical sensor with optical interconnection board. 4,876,446, 10-24-89, Cl. 250-221.000.

Kamberg, Eduard, to New Super Laundry Machinery Co., Inc. Heater for flatwork finisher. 4,809,674, 3-7-89, Cl. 126-410.000.

Kambin, Parviz. Surgical cutting device with reciprocating cutting member. 4,844,088, 7-4-89, Cl. 128-753.000.

Kameda, Eiichi, to Nippon Mektron, Ltd. Method of producing hybrid multi-layered circuit substrate. 4,872,934, 10-10-89, Cl. 156-250.000.

Kameda, Kazuyoshi; Kaji, Koichi; Yahiro, Hiroshi; and Kobayashi, Kenichiro, to Kabushiki Kaisha Toshiba. Font compression method and apparatus. 4,881,069, 11-14-89, Cl. 340-735.000.

Kameda, Kinya: *See—*
  Kobayashi, Setsuo; Nakazawa, Tsugio; Yoshie, Yasumasa; Abiko, Yasushi; and Kameda, Kinya, 4,874,772, Cl. 514-341.000.

Kameda, Masahiro. High-density reprogrammable semiconductor memory device. 4,814,840, 3-21-89, Cl. 357-23.500.

Kameda, Masahiro; Kamei, Yojiro; and Kurihara, Kenichi, to Ricoh Company, Ltd. Thin-film and its forming method. 4,890,151, 12-26-89, Cl. 357-65.000.

Kameda, Nobuo: *See—*
  Kaetsu, Isao; Kumakura, Minoru; Suyama, Hidenari; Kameda, Nobuo; and Koyama, Hideo, 4,839,109, Cl. 264-1.400.

Kameda, Osamu, to Mazda Motor Corporation. Power transmission for four wheel drive vehicle. 4,804,061, 2-14-89, Cl. 180-247.000.

Kameda, Osamu; and Tabata, Shigeo, to Mazda Motor Corporation. Transfer case shifting apparatus for part-time four-wheel drive vehicle. 4,854,413, 8-8-89, Cl. 180-247.000.

Kameda, Osamu, to Mazda Motor Corporation. Planetary sub-transmission. 4,878,399, 11-7-89, Cl. 74-665.00T.

Kameda, Osamu; and Yamasaki, Hirokazu, to Mazda Motor Corporation. Four-wheel drive vehicle operating system. 4,883,138, 11-28-89, Cl. 180-249.000.

Kameda, Ryo: *See—*
  Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, 4,796,519, Cl. 98-97.000.
  Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, 4,821,475, Cl. 52-235.000.

Kameda, Takuichi: *See—*
  Hiyama, Hisato; Joe, Yukiyasu; Kubota, Shunro; Tanaka, Toshihiko; and Kameda, Takuichi, 4,829,749, Cl. 53-538.000.

Kameda, Toshihiro: *See—*
  Yamaguchi, Kouji; Ishikawa, Yoshikazu; Kameda, Toshihiro; Hattori, Shogo; and Miyake, Junichi, 4,860,708, Cl. 123-399.000.

Kameda, Tsuneji: *See—*
  Tanaka, Shunichiro; Sayano, Akio; and Kameda, Tsuneji, 4,820,562, Cl. 428-34.600.

Kameda, Yoshihiko: *See—*
  Tsuno, Katsuhiko; Kameda, Yoshihiko; and Akabane, Satoshi, 4,810,870, Cl. 250-203.00R.

Kameda, Yukihiko; and Horii, Satoshi, to Takeda Chemical Industries, Ltd. Pseudo-aminosugars, their production and use. 4,827,036, 5-2-89, Cl. 564-462.000.

Kameda, Yukihiko: *See—*
  Horii, Satoshi; Kameda, Yukihiko; and Fukase, Hiroshi, 4,803,303, Cl. 564-462.000.

Kamegai, Jun: *See—*
  Ogino, Hidekazu; Kamitani, Hiroshi; Kamegai, Jun; Sawada, Hiroki; Hirota, Hajime; and Kurosaki, Tomihiro, 4,803,010, Cl. 252-174.210.
  Suzue, Shigetoshi; Kimura, Akio; Tsukada, Kiyoshi; Noda, Kozo; Ogino, Hidekazu; and Kamegai, Jun, 4,846,991, Cl. 252-89.100.

Kamegaki, Kazuyuki: *See—*
  Ogura, Setsuo; Kamegaki, Kazuyuki; Yamazaki, Kouichi; Miyazaki, Hideo; Kitamura, Yukinori; and Mayuzumi, Shirou, 4,857,987, Cl. 357-45.000.

Kamegamori, Masayuki: *See—*
  Owada, Susumu; Kamegamori, Masayuki; and Kosugi, Akira, 4,841,330, Cl. 355-245.000.

Kamegawa, Masayuki: *See—*
  Adachi, Susumu; and Kamegawa, Masayuki, 4,804,854, Cl. 250-578.000.

Kamegaya, Shigeru: *See—*
  Matayoshi, Yutaka; and Kamegaya, Shigeru, 4,881,497, Cl. 123-90.340.
  Muranaka, Shigeo; Kamegaya, Shigeru; Yoshimura, Tooru; and Matayoshi, Yutaka, 4,825,822, Cl. 123-90.440.
  Muranaka, Shigeo; Ohkawa, Kouzaburou; Yokoyama, Junichi; Matayoshi, Yutaka; and Kamegaya, Shigeru, 4,873,953, Cl. 123-308.000.

Kamegi, Yoshito: *See—*
  Wakayama, Satoshi; Yokoyama, Ichiro; Tanaka, Kazuaki; Kamegi, Yoshito; Tokunaga, Mikihiko; Kamoshida, Takeshi; and Yoneda, Shigeru, 4,833,597, Cl. 364-200.000.

Kamei, Eiichi; and Namba, Hideaki, to Nippondenso Co., Ltd. Apparatus for controlling vehicle speed. 4,840,245, 6-20-89, Cl. 180-179.000.

Kamei, Eiichi; and Shimomura, Yasushi, to Ube Industries, Ltd.; and Toyo Roshi Kaisha Ltd. Filter apparatus employing hollow fibers. 4,869,822, 9-26-89, Cl. 210-321.790.

Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, to Bristol-Myers Company. Process for producing 3,7-dihydroxytropolone and antitumor use thereof. 4,833,079, 5-23-89, Cl. 435-148.000.

Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, to Bristol-Myers Company. Biologically pure culture of the microorganism *Streptomycas tropolofaciens* used for producing 3,7-dihydroxytropolone and antitumor use. 4,883,758, 11-28-89, Cl. 435-253.500.

Kamei, Katsuyuki: *See—*
  Abe, Shigeru; Nakamura, Yasuaki; and Kamei, Katsuyuki, 4,852,183, Cl. 382-34.000.

Kamei, Kazuhiro: *See—*
  Kadokura, Sadao; Kamei, Kazuhiro; and Honjyo, Kazuhiko, 4,858,043, Cl. 360-99.010.

Kamei, Kazuo: *See—*
  Tani, Yoshio; Takata, Susumu; and Kamei, Kazuo, 4,804,585, Cl. 428-574.000.

Kamei, Kiyohiro: *See—*
  Sakuramoto, Takahumi; Asoshina, Eishi; Tominaga, Takashi; Ijichi, Ichiro; Kamei, Kiyohiro; and Konishi, Toshiharu, 4,797,251, Cl. 419-9.000.

Kamei Machine Project Co., Ltd.: *See—*
  Koizumi, Tetsuro; and Kamei, Masato, 4,836,461, Cl. 242-1.10R.
  Koizumi, Tetsuro; and Kamei, Masato, 4,844,356, Cl. 242-11.00R.

Kamei, Masaharu; Negishi, Tsutomu; Nishikawa, Masaru; and Kishino Kimishiro, to Earth Chemical Company, Limited. Composition for attracting flies. 4,855,133, 8-8-89, Cl. 424-84.000.

Kamei, Masanao: *See—*
  Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,798,680, Cl. 252-299.010.
  Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; and Katagiri, Kazuharu, 4,867,903, Cl. 252-299.610.
  Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,873,018, Cl. 252-299.010.

Kamei, Masato: *See—*
  Koizumi, Tetsuro; and Kamei, Masato, 4,836,461, Cl. 242-1.10R.
  Koizumi, Tetsuro; and Kamei, Masato, 4,844,356, Cl. 242-11.00R.

Kamei, Masayuki: *See—*
  Hashimoto, Yutaka; Kamei, Masayuki; and Umaba, Toshihiko, 4,884,866, Cl. 350-96.340.
  Nishioka, Akira; Kamei, Masayuki; and Umaba, Toshihiko, 4,822,713, Cl. 430-175.000.

Kamei, Mitsuhiro: *See—*
  Nakagawa, Yukio; Natsui, Ken-ichi; Ohshita, Youichi; Sato, Tadashi; Setoyama, Eiji; and Kamei, Mitsuhiro, 4,865,709, Cl. 204-192.120.

Kamei, Mitsuru: *See—*
  Nakai, Satoru; and Kamei, Mitsuru, 4,886,111, Cl. 165-70.000.

Kamei, Motokazu: *See—*
  Yoshioka, Shigehiko; Yamada, Hideto; Sato, Hisatake; and Kamei, Motokazu, 4,882,087, Cl. 252-312.000.

Kamei, Ryosuke: *See—*
  Hoshi, Katsumasa; Nomura, Yukihiro; Kamei, Ryosuke; Shibano, Hiroshi; and Banba, Takeshi, 4,850,533, Cl. 239-33.000.
  Tanaka, Toyoaki; Ohira, Katuzi; Nakamura, Akira; Kamei, Ryosuke; and Hashimoto, Akihiro, 4,822,668, Cl. 428-283.000.

Kamei, Sadao: *See—*
  Deguchi, Naoyasu; Kamei, Sadao; Goda, Kensuke; Shuto, Sadanobu; and Hayashi, Yasuhiro, 4,886.738, Cl. 430-510.000.

Kamei, Takeo; and Sekine, Katsuyuki, to Yokogawa Aviation Company, Ltd. Connector backshell structure. 4,854,891, 8-8-89, Cl. 439-462.000.

Kamei, Toshiaki: *See—*
  Yano, Kenichi; Midorikawa, Hiroshi; Kamei, Toshiaki; and Suzume, Takeharu, 4,883,250, Cl. 248-638.000.

Kamei, Tsuneaki: *See—*
  Narizuka, Yasunori; Mori, Keiji; Yabushita, Akira; Kamei, Tsuneaki; and Morita, Mamoru, 4,806,725, Cl. 219-216.000.

Kamei, Yojiro: *See—*
  Kameda, Masahiro; Kamei, Yojiro; and Kurihara, Kenichi, 4,890,151, Cl. 357-65.000.

Kamei, Yoshio: *See—*
  Furuhashi, Takeshi; and Kamei, Yoshio, 4,797,801, Cl. 363-43.000.

Kamejima, Kohji; Nakano, Yoshiyuki; Fujie, Masakatsu; Iwamoto, Taro; and Yamamoto, Hiroshi, to Hitachi, Ltd. Image processing apparatus and processing method. 4,799,267, 1-17-89, Cl. 382-1.000.

Kamemoto, Katsuaki; and Nakaharai, Ken, to Nippon Air Brake Co., Ltd. Master cylinder. 4,809,505, 3-7-89, Cl. 60-591.000.

Kamemoto, Kazuhiro, to Kabushiki Kaisha Toshiba. Progressive scanning conversion system for television image display apparatus. 4,800,433, 1-24-89, Cl. 358-168.000.

Kamen, Dean L. Intravenous line valve. 4,804,360, 2-14-89, Cl. 604-250.000.

Kamen, Dean L. Pressure-measurement flow control system. 4,808,161, 2-28-89, Cl. 604-67.000.

Kamen, Dean L. Infiltration detection system using pressure measurement. 4,816,019, 3-28-89, Cl. 604-65.000.

Kamen, Dean L. Enhanced pressure measurement flow control system. 4,826,482, 5-2-89, Cl. 604-67.000.

Kamenetz, Jeffry K.; and Simmons, Howard E., to United Technologies Corporation. Autofeather state maintenance. 4,845,617, 7-4-89, Cl. 364-424.040.

Kamenov, Mitko V.: *See—*
  Tersiev, Kostadin G.; and Kamenov, Mitko V., 4,854,067, Cl. 43-6.000.

Kamenster, Boris A., to ITT Corporation. Double bluff body vortex meter. 4,831,883, 5-23-89, Cl. 73-861.220.

Kamenster, Boris A., to ITT Corporation. Vortex meter plug. 4,833,923, 5-30-89, Cl. 73-861.240.

Kamenster, Boris A., to ITT Corporation. Method of aligning a vortex meter. 4,864,707, 9-12-89, Cl. 29-157.10R.

Kameoka, Kimitaka: *See—*
  Takahashi, Toshiro; Kuwabara, Kenichi; Kameoka, Kimitaka; and Okada, Masahiro, 4,818,659, Cl. 430-264.000.

Kamerling, Marc A.: *See—*
  Phillips, Roger W.; Spellman, Vernon C.; Gossett, Wayne L.; Kamerling, Marc A.; and Coombs, Paul G., 4,840,281, Cl. 215-230.000.

Kamerman, Adriaan; and Doolittle, Timothy N., to NCR Corporation. Multipoint modem system having fast synchronization. 4,847,880, 7-11-89, Cl. 375-8.000.

Kamerman, Adriaan, to NCR Corporation. Data modem receiver. 4,849,989, 7-18-89, Cl. 375-13.000.

Kamerman, Adriaan, to NCR Corporation. Phase perturbation compensation system. 4,849,996, 7-18-89, Cl. 375-118.000.

Kamerman, Adriaan; and Haagh, Johannes P. N., to NCR Corporation. Modem communication system having main and secondary channels. 4,860,308, 8-22-89, Cl. 375-8.000.

Kameshima, Tetsuya: *See—*
  Shimoe, Hiroo; Kondo, Toshiro; and Kameshima, Tetsuya, 4,834,416, Cl. 280-688.000.

Kameswaran, Vekataraman; Wright, Donald P., Jr.; and Herman, Rod A., to American Cyanamid Company. Novel insecticidal dibenzoyl-tert-butylcarbazonitrile compounds and method for the preparation thereof. 4,857,550, 8-15-89, Cl. 514-522.000.

Kametaka, Koji: *See—*
  Ito, Hideji; Kametaka, Koji; and Tsumori, Yukihisa, 4,856,916, Cl. 384-477.000.

Kametani, Hiroshi: *See—*
  Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.

Kametani, Masatsugu; Sugiyama, Kengo; Kogawa, Takashi; and Hanada, Takeshi, to Hitachi, Ltd. Decentralized master-slave control apparatus. 4,803,613, 2-7-89, Cl. 364-132.000.

Kametani, Masatsugu, to Hitachi, Ltd. Method and apparatus for floating point operation. 4,870,608, 9-26-89, Cl. 364-748.000.

Kametani, Tetsuji; and Honda, Toshio, to Itaro Horiuchi & Co., Ltd. δ-lactone derivatives and process of preparing same. 4,874,551, 10-17-89, Cl. 260-397.100.

Kameya, Kazuo, to Elmec Corporation. Electromagnetic variable delay line with linear compensation. 4,821,003, 4-11-89. Cl. 333-139.000.

Kameya, Kazuo, to Elmec Corporation. Electromagnetic variable delay line system. 4,829,272, 5-9-89, Cl. 333-139.000.

Kameya, Masaaki: *See—*
  Kojima, Keisuke; Kyuma, Kazuo; Noda, Susumu; Kameya, Masaaki; Ohta, Jun; and Hammanaka, Koichi, 4,888,783, Cl. 372-44.000.

Kameyama, Keiji: *See—*
  Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.

Kameyama, Makoto: *See—*
  Miyakawa, Hideaki; and Kameyama, Makoto, 4,868,972, Cl. 29-603.000.
  Miyakawa, Hideaki; and Kameyama, Makoto, 4,884,156, Cl. 360-121.000.

Kameyama, Masayoshi: *See—*
  Imoto, Katsuyuki; Maeda, Minoru; Kameyama, Masayoshi; Ikuta, Yasushi; Araki, Hiroshi; and Oho, Shigeru, 4,842,359, Cl. 350-96.160.

Kameyama, Mutsumi: *See—*
  Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, 4,803,138, Cl. 429-194.000.

Kameyama, Nobuyuki: *See—*
  Kanai, Masaharu; Yamazaki, Yasuo; Kameyama, Nobuyuki; Ide, Yoshihiro; Sato, Muneyoshi; and Yokota, Mitsuo, 4,825,233, Cl. 354-106.000.

Kameyama, Shuichi; Komeda, Tadao; Kobushi, Kazuhiro; and Sakai, Hiroyuki, to Matsushita Electric Industrial Co., Ltd. Method for fabricating bipolar semiconductor device. 4,839,302, 6-13-89, Cl. 437-31.000.

Kameyama, Syojyu; Nishimaki, Hideo; Iga, Yoshiro; and Suyama, Tadakazu, to Green Cross Corporation. Method of purifying factor VIII. 4,822,872, 4-18-89, Cl. 530-383.000.

Kameyama, Tatsuya: *See—*
  Amada, Eiichi; Shirasu, Hirotoshi; Takatori, Hiroshi; Kazawa, Tohru; Suzuki, Toshiro; Miyamoto, Takanori; and Kameyama, Tatsuya, 4,841,521, Cl. 370-31.000.

Kameyama, Toru; and Miyagi, Ken, to Canon Kabushiki Kaisha. Device for controlling movement of a rotating element. 4,829,217, 5-9-89, Cl. 318-51.000.

Kameyama, Toshiaki; and Kobayashi, Yuichi, to Ricoh Company, Ltd. Sheet feed device for recording apparatus. 4,872,660, 10-10-89, Cl. 271-9.000.

Kameyama, Yasuhiro: *See—*
  Miura, Konoe; Ochiai, Tameichi; and Kameyama, Yasuhiro, 4,859,563, Cl. 430-192.000.

Kamfjord, Thor G.: *See—*
  Doll, Werner; Kamfjord, Thor G.; and Marthinsen, Jan E., 4,804,254, Cl. 350-344.000.

Kami, Shigetake: *See—*
  Nishi, Naomi; Kami, Shigetake; and Yamaguchi, Takashi, 4,847,048, Cl. 420-547.000.

Kami, Yoshihide: *See—*
  Kojima, Takao; Ishiguro, Hiroyuki; and Kami, Yoshihide, 4,863,584, Cl. 204-425.000.

Kamibayashi, Isao, to Sougou Jidousya Anzen Kougai Gijutsu Kenkyu Kumiai. Throttle control apparatus. 4,862,852, 9-5-89. Cl. 123-342.000.

Kamidaira, Kazuya: *See—*
  Tanjo, Toru; Yamanaka, Toshio; Wakikaido, Takahiro; Hatano, Masaru; Hirata, Nobuyuki; and Kamidaira, Kazuya, 4,811,050, Cl. 355-3.0CH.

Kamieniecki, Emil, to Semitest, Inc. Noninvasive method and apparatus for characterization of semiconductors. 4,827,212, 5-2-89, Cl. 324-158.00R.

Kamieniecki, Emil; and Goldfarb, William C., to Optical Diagnostic Systems, Inc. Nondestructive readout of a latent electrostatic image formed on an insulating material. 4,833,324, 5-23-89, Cl. 250-315.300.

Kamieniecki, Emil, to Optical Diagnostic Systems, Inc. Nondestructive readout of a latent electrostatic image formed on an insulated material. 4,847,496, 7-11-89, Cl. 250-315.300.

Kamieniecki, Emil; Reiss, Leszek; and Goldfarb, William C., to Optical Diagnostic Systems, Inc. Nondestructive readout of a latent electrostatic image formed on an insulating material. 4,873,436, 10-10-89, Cl. 250-315.300.

Kamifuji, Hiroshi; Tanabe, Yoshiyuki; and Morita, Kiyomi, to Hitachi, Ltd. Electronically-controlled fuel injection system for internal combustion engines. 4,873,960, 10-17-89, Cl. 123-480.000.

Kamifuji, Hiroshi: *See—*
  Itakura, Tomiya; and Kamifuji, Hiroshi, 4,879,982, Cl. 123-339.000.

Kamigaito, Osami; Doi, Haruo; Noda, Shoji; and Kouzaki, Masao, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Unlubricated sliding member. 4,824,262, 4-25-89, Cl. 384-42.000.

Kamigaito, Osami: *See—*
  Kawasumi, Masaya; Kohzaki, Masao; Kojima, Yoshitsugu; Okada, Akane; and Kamigaito, Osami, 4,810,734, Cl. 523-216.000.
  Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-445.000.

Kamigaki, Koshi; and Katsube, Toshimichi, to Sharp Kabushiki Kaisha. Liquid crystal display assembly. 4,808,990, 2-28-89, Cl. 340-784.000.

Kamiguchi, Masao; and Umemoto, Hiroshi, to Fanuc Ltd. Suckback method and apparatus in an injection molding machine. 4,812,268, 3-14-89, Cl. 264-40.100.

Kamiguchi, Masao, to Fanuc Ltd. Injection molding machine capable of starting and stopping by remote-control. 4,826,418, 5-2-89, Cl. 425-136.000.

Kamiguchi, Masao, to Fanuc Ltd. Direct pressure mold clamping apparatus for an injection-molding machine. 4,828,475, 5-9-89, Cl. 425-150.000.

Kamiguchi, Masao; and Umemoto, Hiroshi, to Fanuc Ltd. Method of controlling switching from pressure holding to metering and kneading. 4,842,801, 6-27-89, Cl. 264-40.100.

Kamiguchi, Masao; and Hosoya, Yuichi, to Fanuc Ltd. Method of automatic zero adjustment of an injection-molding machine and an apparatus therefor. 4,849,678, 7-18-89, Cl. 318-572.000.

Kamiguchi, Masao: *See—*
  Yoshiharu, Inaba; Mitoguchi, Fumio; Kamiguchi, Masao; and Tokunaga, Shigeo, 4,828,476, Cl. 425-150.000.

Kamiguchi, Taiji: *See—*
  Kato, Yasuyoshi; Konishi, Kunihiko; Matsuda, Toshiaki; Ito, Meiji; Kamiguchi, Taiji; Teshima, Nobue; and Akama, Hiroshi, 4,798,813, Cl. 502-60.000.
  Yamada, Mutsuo; Kamiguchi, Taiji; Tanimoto, Hirotoshi; Arikawa, Yoshijiro; Kaku, Hiroyuki; and Takamoto, Shigehito, 4,806,692, Cl. 568-401.000.

Kamiharako, Takashi: *See—*
  Liudzius, Valerie A.; Weisner, Ralph M.; Kamiharako, Takashi; and Uramoto, Iwami, 4,872,052, Cl. 358-106.000.

Kamihisa, Yasushi: *See—*
  Iwasaki, Tetsuji; and Kamihisa, Yasushi, 4,851,421, Cl. 514-352.000.

Kamijo, Eiji: *See—*
  Nakahigashi, Takahiro; Ando, Yasunori; and Kamijo, Eiji, 4,866,746, Cl. 378-35.000.
  Nogawa, Shuichi; and Kamijo, Eiji, 4,861,750, Cl. 505-1.000.
  Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,831,212, Cl. 174-52.400.
  Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,875,284, Cl. 29-830.000.

Kamijo, Eiko, legal representative: *See—*
  Itoh, Mamoru, deceased; and Miyazawa, Yukimori, 4,849,588, Cl. 200-38.00R.

Kamijo, Kenichi, to Izumi Seimitsu Kogyo Kabushiki Kaisha. Circuit breaker. 4,853,822, 8-1-89, Cl. 361-100.000.

Kamijo, Masao, to Kabushiki Kaisha Sankyo Seiki Seisakusho; and Tokyo Pigeon Co., Ltd. Mode changing mechanism in tape recorder. 4,819,891, 4-11-89, Cl. 242-201.000.

Kamijo, Masayasu; Katsuta, Shinichiro; and Wada, Takeo, to Kojin Co., Ltd.; and Takeda Chemical Industries Ltd. Process for preparing ceramic molding. 4,806,206, 2-21-89, Cl. 162-145.000.

Kamijo, Tetsuhide: *See*—
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,841,067, Cl. 548-344.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,853,463, Cl. 530-323.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,857,650, Cl. 548-336.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,863,904, Cl. 514-18.000.
- Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,870,183, Cl. 546-210.000.

Kamijyo, Yoshimi, to Alps Electric Co., Ltd. Molybdenum oxide whiskers and a method of producing the same. 4,865,832, 9-12-89, Cl. 423-606.000.

Kamikawa, Hiroshi: *See*—
- Ishige, Sadao; Usami, Toshimasa; Kamikawa, Hiroshi; and Tanaka, Toshiharu, 4,342,979, Cl. 430-138.000.

Kamikawai, Ryotaro: *See*—
- Nishi, Masaaki; Yasunaga, Moritoshi; and Kamikawai, Ryotaro, 4,806,111, Cl. 439-109.000.

Kamikawaji, Yoshimasa: *See*—
- Seto, Kiyotomo; Sakoda, Ryozo; Matsumoto, Hiroo; Kamikawaji, Yoshimasa; and Tanaka, Sakuya, 4,843,076, Cl. 514-252.000.

Kamikuri, Yoshimasa: *See*—
- Nagura, Osamu; Inoue, Osamu; Kamikuri, Yoshimasa; and Takizuka, Norikazu, 4,839,406, Cl. 524-196.000.

Kamil, Zvi, to Aerotel Israel. Pulse detector for counting dial generated pulses. 4,868,873, 9-19-89, Cl. 379-386.000.

Kamilos, G. N.; Kennedy, D. D.; and Lederhos, L. J., Jr., to Chevron Research Company. Downhole gaseous liquid flow agitator. 4,811,786, 3-14-89, Cl. 166-303.000.

Kamilos, G. N., to Chevron Research Company. Wellbore packer. 4,869,320, 9-26-89, Cl. 166-202.000.

Kamimae, Hajime: *See*—
- Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,511, Cl. 267-64.160.
- Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,575, Cl. 280-702.000.
- Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,858,895, Cl. 267-64.160.

Kamimaru, Shinji, to Fuji Jukogyo Kabushiki Kaisha. Intake air control system for an automotive engine having a turbocharger. 4,870,822, 10-3-89, Cl. 60-600.000.

Kamimori, Masatsugu: *See*—
- Takezawa, Keisuke; Kamimori, Masatsugu; Morohashi, Tsuyoshi; and Kubozono, Takashi, 4,850,591, Cl. 273-85.00G.

Kamimoto, Toshihiko: *See*—
- Murakami, Takuya; and Kamimoto, Toshihiko, 4,802,688, Cl. 280-666.000.

Kamimura, Hiroshi: *See*—
- Ichikawa, Yoshiaki; Senoh, Makoto; Suzuki, Masanori; Kamimura, Hiroshi; Tomizawa, Fumio; Sugiyama, Sakae; and Sasaki, Masayoshi, 4,837,734, Cl. 364-513.000.

Kamimura, Hiroto; Kubota, Shuichi; and Iwakura, Masaru, to Oiles Industry Co., Ltd. Thrust bearing made of synthetic resin. 4,854,745, 8-8-89, Cl. 384-420.000.

Kamimura, Katsuya: *See*—
- Koyama, Tatsuya; Yamada, Tetsuhiro; Andou, Hirokazu; and Kamimura, Katsuya, 4,820,065, Cl. 400-124.000.

Kamimura, Masahiro; Ono, Akehiro; Misu, Susumu; and Nakahara, Junji, to Brother Kogyo Kabushiki Kaisha. Printing and web feed apparatus in a cash register or the like. 4,826,336, 5-2-89, Cl. 400-607.000.

Kamimura, Minoru: *See*—
- Takashio, Masachika; Chikano, Takahide; and Kamimura, Minoru, 4,882,280, Cl. 435-228.000.

Kamimura, Nobuo: *See*—
- Yokote, Takasuke; and Kamimura, Nobuo, 4,823,562, Cl. 63-5.100.

Kamimura, Shoich: *See*—
- Watanabe, Kenichi; Takehara, Shin; Shimoe, Hiroo; Miyoshi, Akihiko; and Kamimura, Shoich, 4,830,397, Cl. 280-707.000.

Kamimura, Shoji: *See*—
- Kobayashi, Hiroyuki; and Kamimura, Shoji, 4,866,273, Cl. 250-311.000.

Kamimura, Taisuke, to Sharp Kabushiki Kaisha. Developing method using non-magnetic one-component toner and developing unit therefor. 4,876,573, 10-24-89, Cl. 355-250.000.

Kamimura, Takashi: *See*—
- Imaizumi, Atsushi; Kamimura, Takashi; Suwa, Yorimasa; and Okada, Masahiro, 4,810,780, Cl. 530-350.000.
- Otsubo, Toru; Aiuchi, Susumu; Kamimura, Takashi; Noguchi, Minoru; and Fujii, Teru, 4,808,258, Cl. 156-643.000.

Kamimura, Takaya: *See*—
- Takahara, Ichiro; Azumi, Masaaki; Shigetomi, Kazuo; Kamimura, Takaya; and Ishida, Hideki, 4,839,881, Cl. 369-75.200.

Kamimura, Testuro: *See*—
- Takahashi, Akira; Kamimura, Testuro; Kawamura, Masahiko; Morikawa, Kiyoshi; and Onishi, Sei, 4,841,499, Cl. 369-38.000.

Kamin, Richard A.: *See*—
- Darrah, Shirley D.; DiGiusseppe, Thomas G.; Marram, Edward P.; Kamin, Richard A.; Nowack, Clarence; and Steendal, Rolf, 4,842,410, Cl. 356-357.000.

Kaminaga, Kouzou, to Sony Corporation. Method and apparatus for recording and/or reproducing digital data. 4,882,732, 11-21-89, Cl. 371-2.200.

Kaminaka, Ikuyasu, to Sharp Kabushiki Kaisha. Combined microwave and electric oven with intermittent power supply to both microwave and electric heating elements. 4,798,927, 1-17-89, Cl. 219-10.55B.

Kaminaka, Nobuyuki: *See*—
- Satomi, Mitsuo; and Kaminaka, Nobuyuki, 4,847,983, Cl. 29-603.000.

Kaminishi, Masashi: *See*—
- Matsuda, Kazuo; Inaba, Nobuaki; Kaminishi, Masashi; Funabashi, Tetsuji; and Tanaka, Nobukazu, 4,846,651, Cl. 425-145.000.

Kamino, Maruo: *See*—
- Shibata, Kenichi; Yokoo, Toshiaki; Takeuchi, Kousuke; Tanaka, Toshiharu; and Kamino, Maruo, 4,868,444, Cl. 310-313.00A.

Kamino, Yoshikazu: *See*—
- Funahashi, Yoshiko; Kamino, Yoshikazu; Matsumura, Yasuharu; and Harimaya, Senichi, 4,871,513, Cl. 422-56.000.

Kamino, Yukishige: *See*—
- Uchida, Kenji; Banba, Nobuyuki; Kuroiwa, Minoru; Saito, Makoto; and Kamino, Yukishige, 4,854,783, Cl. 406-13.000.

Kamins, Theodore I.; Colinge, Jean-Pierre; Marcoux, Paul J.; Roylance, Lynn M.; and Moll, John L., to Hewlett-Packard Company. Method for making patterned implanted buried oxide transistors and structures. 4,810,664, 3-7-89, Cl. 437-26.000.

Kaminskas, Rimvydas A., to TRW Inc. Stowable reflector. 4,811,034, 3-7-89, Cl. 343-915.000.

Kaminski, Axel: *See*—
- Fahner, Karsten; Johannaber, Friedrich; Depcik, Hans-Werner; Kaminski, Axel; and Van Hooren, Rudiger, 4,812,247, Cl. 252-511.000.

Kaminski, Brian D.; and Bandyopadhyay, Pulak, to General Motors Corporation. Method of designing a turn broach. 4,841,820, 6-27-89, Cl. 82-1.110.

Kaminski, Brian D.: *See*—
- Bandyopadhyay, Pulak; Blaser, Dwight A.; Kaminski, Brian D.; and Lee, Yong H., 4,845,763, Cl. 382-8.000.

Kaminski, Christopher A., to General Electric Company. Ventilated gusset for single-layer turns in a dynamoelectric machine. 4,814,655, 3-21-89, Cl. 310-260.000.

Kaminski, Earl W.; and Brown, David J., to Deere & Company. Coupling for seed and fertilizer hoses. 4,795,197, 1-3-89, Cl. 285-12.000.

Kaminski, Elton G., to Stolle Corporation, The. Apparatus for forming cans. 4,863,333, 9-5-89, Cl. 413-69.000.

Kaminski, Elton G., to Stolle Corporation. Apparatus for reforming an end shell. 4,865,506, 9-12-89, Cl. 413-56.000.

Kaminski, James J.: *See*—
- Solomon, Daniel M.; and Kaminski, James J., 4,816,458, Cl. 514-267.000.
- Solomon, Daniel M.; Kaminski, James J.; and Conn, David J. 4,847,377, Cl. 544-251.000.

Kaminski, Joan M.: *See*—
- Horodysky, Andrew G.; and Kaminski, Joan M., 4,816,037, Cl. 44-53.000.

Kaminski, Ronald S.; Sido, William F.; and Nowicki, Casimir W., to Owens-Illinois Plastic Products Inc. In-mold labeling of injection blow molded hollow plastic articles. 4,808,366, 2-28-89, Cl. 264-509.000.

Kaminski, Ronald S., to Owens-Illinois Plastic Products Inc. Method for applying labels to blow molded articles. 4,853,169, 8-1-89, Cl. 264-509.000.

Kaminski, Ronald S.; Snyder, Robert P.; and Crowley, Michael J., to Owens-Illinois Plastic Products Inc. Method for applying labels to blow molded articles. 4,861,541, 8-29-89, Cl. 264-509.000.

Kaminski, Ronald S., to Owens-Illinois Plastic Products Inc. Apparatus for applying labels to blow molded articles. 4,880,369, 11-14-89, Cl. 425-116.000.

Kaminski, Stanley J.: *See*—
- Miller, Charles H.; Mansolillo, Robert D.; Kaminski, Stanley J.; and Mushall, Susan G., 4,844,849, Cl. 264-46.400.

Kaminsky, Mark P.: *See*—
- Drezdzon, Mark A.; Moore, Eric J.; and Kaminsky, Mark P. 4,843,168, Cl. 558-357.000.

Kaminsky. Naum M.: *See*—
- Jackson, Rodney P.; and Kaminsky, Naum M., 4,815,204, Cl. 29-741.000.

Kaminsky, Richard: *See*—
- Silverman, Lawrence H.; Teague, Randy; and Kaminsky, Richard, 4,799,034, Cl. 333-202.000.

Kaminsky, Robert: *See*—
- Shrader, Samuel E.; Singleton, Peter F.; Young, William G.; and Kaminsky, Robert, 4,865,390, Cl. 299-11.000.

Kaminsky, Walter; and Buschermohle, Maria, to Hoechst Aktiengesellschaft. Process for the preparation of a 1-olefin stereoblock polymer. 4,841,004, 6-20-89, Cl. 526-160.000.

Kaminsky, Walter; and Buschermohle, Maria, to Hoechst Aktiengesellschaft. 1-olefin stereoblock polymer, and a process for its preparation. 4,849,487, 7-18-89, Cl. 526-160.000.

Kaminsky, Walter: *See*—
- Lechert, Hans; Woebs-Gosch, Volkert; Qun, Song; Kaminsky, Walter; and Sinn, Hansjorg, 4,871,426, Cl. 201-2.500.

Kamio, Hideo: *See*—
- Itoh, Hiroshi; Nakagawa, Toshimi; Nitta, Atsuhiko; Tanaka, Tomio; and Kamio, Hideo, 4,828,710, Cl. 210-675.000.

Kamio, Hiroshi: *See*—
- Namikawa, Masaru; Makino, Yoshiaki; Himori, Hiroaki; Kagai, Genichi; and Kamio, Hiroshi, 4,849,618, Cl. 235-493.000.
- Ohmura, Masanori; Sakama, Hiroshi; Araki, Kenji; Kamio, Hiroshi; and Shima, Yoshinobu, 4,848,272, Cl. 118-725.000.

Kamio, Kunimasa: *See*—
- Saito, Yasuhisa; Kamio, Kunimasa; Kanagawa, Shuichi; and Shiomi, Yutaka, 4,808,717, Cl. 544-219.000.
- Saito, Yasuhisa; Takagishi, Hisao; Nakamura, Hiroshi; Okuno, Kohichi; Shiomi, Yutaka; and Kamio, Kunimasa, 4,855,339, Cl. 523-400.000.
- Saito, Yasuhisa; Kanagawa, Shuichi; Watanabe, Katsuya; and Kamio, Kunimasa, 4,871,832, Cl. 528-353.000.
- Yasuhisa, Saito; Kamio, Kunimasa; Shibata, Mitsuhiro; Watanabe, Katsuya; Shiomi, Yutaka; and Ueda, Youichi, 4,888,407, Cl. 525-423.000.

Kamio, Masaru: *See*—
- Takao, Hideaki; Motoi, Taiko; Sekimura, Nobuyuki; Kamio, Masaru; and Murata, Tatsuo, 4,802,743, Cl. 350-339.00F.
- Takao, Hideaki; Tamura, Miki; Kamio, Masaru; Murata, Tatsuo; and Sekimura, Nobuyuki, 4,818,075, Cl. 350-339.00F.

Kamio, Shigeru: *See*—
- Matsuzawa, Toshio; Minagawa, Kazuji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kamio, Shigeru; Maeda, Katsuya; and Takao, Mitsunori, 4,838,226, Cl. 123-399.000.

Kamio, Takashi: *See*—
- Sakamoto, Eiichi; Kaneko, Yutaka; Ninomiya, Hidetaka; Kamio, Takashi; Ezaki, Atsuo; Akamatsu, Hideo; and Haraga, Hideaki, 4,871,658, Cl. 430-551.000.

Kamio, Takenori, to Kabushiki Kaisha Daikin Seisakusho. Inertial brake unit for air clutch. 4,848,527, 7-18-89, Cl. 192-13.00R.

Kamioka, Masatsugu: *See*—
- Arai, Shigeyoshi; Kamioka, Masatsugu; Ishikawa, Yo-ichi; Isomura, Shohei; and Sugita, Kyoko, 4,824,537, Cl. 204-157.220.

Kamis, Russell P.; Klosowski, Jerome M.; and Lower, Loren D., to Dow Corning Corporation. Clear, non-slumping silicone sealants. 4,888,380, 12-19-89, Cl. 524-588.000.

Kamisada, Koji, to Nihon Kaiheiki Industrial Company Ltd. Subminiature push-button switch. 4,882,461, 11-21-89, Cl. 200-536.000.

Kamisada, Toshimasa; and Saito, Akira, to Hitachi, Ltd. Apparatus and method for detecting focus error signal and tracking error signal in an optical disk system. 4,841,509, 6-20-89, Cl. 369-46.000.

Kamisaka, Tadayuki; Yagi, Kazuo; Takahashi, Yasufumi; and Nakamura, Shigeki, to Hitachi, Ltd. Modulator for generating a burst-like modulated wave. 4,843,352, 6-27-89, Cl. 332-22.000.

Kamisawa, Koh: *See*—
- Takano, Hiroshi; Murakami, Tokumichi; Kamisawa, Koh; and Aoyagi, Hidenori, 4,860,283, Cl. 370-82.000.

Kamise, Katsuya; Yamamoto, Shigeru; Hosokai, Tetsushi; and Miyamoto, Koji, to Mazda Motor Corporation. Engine knocking control unit. 4,856,481, 8-15-89, Cl. 123-425.000.

Kamise, Katsuya; and Yamamoto, Shigeru, to Mazda Motor Corporation. Knocking control system for internal combustion engine. 4,858,580, 8-22-89, Cl. 123-425.000.

Kamishima, Osamu, to SMK Co., Ltd. Key switch with multiple contact points. 4,866,228, 9-12-89, Cl. 200-345.000.

Kamitakahara, Atsushi: *See*—
- Ogi, Keiji; Kamitakahara, Atsushi; Sakamoto, Eiichi; and Isozaki, Nariko, 4,868,102, Cl. 430-598.000.

Kamitakahara, Atushi; and Ogi, Keiji, to Konishiroku Photo Industry Co., Ltd. Direct positive image-forming process. 4,840,879, 6-20-89, Cl. 430-406.000.

Kamitake, Takashi; Mizutani, Hiroyuki; and Kawamura, Shin-ichi, to Kabushiki Kaisha Toshiba. Communications network using IC cards. 4,862,501, 8-29-89, Cl. 380-50.000.

Kamitake, Takashi: *See*—
- Mizutani, Hiroyuki, and Kamitake, Takashi, 4,823,388, Cl. 380-23.000.

Kamitamari, Manabu; and Hayama, Hiroyoshi, to Minolta Camera Kabushiki Kaisha. Image forming apparatus. 4,839,697, 6-13-89, Cl. 355-309.000.

Kamitani, Hiroshi: *See*—
- Ogino, Hidekazu; Kamitani, Hiroshi; Kamegai, Jun; Sawada, Hiroki; Hirota, Hajime; and Kurosaki, Tomihiro, 4,803,010, Cl. 252-174.210.

Kamitani, Masatoshi; Inoue, Manabu; Nakanishi, Motohiro; Ootsuka, Hiroshi; Kudo, Yoshinobu; and Hata, Yoshiaki, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,806,961, 2-21-89, Cl 354-195.100.

Kamitsu, Katsuaki: *See*—
- Nakatsu, Keiji; Kamitsu, Katsuaki; and Ogawa, Masaharu, 4,887,254, Cl. 369-33.000.

Kamiunten, Shoji: *See*—
- Aoshima, Shigeru; Kamiunten, Shoji; and Maeda, Shosaku, 4,825,704, Cl. 73-861.420.

Kamiwano, Mitsuo; and Inoue, Yoshitaka, to Inoue Seisakusho (MFG) Co., Ltd. Dispersing and grinding apparatus. 4,856,717, 8-15-89, Cl. 241-65.000.

Kamiya, Akihiko: *See*—
- Aoai, Toshiaki; Maemoto, Kazuo; Kamiya, Akihiko; and Misu, Hiroshi, 4,877,711, Cl. 430-176.000.

Kamiya, Akihiro: *See*—
- Ike, Yujiro; Yonezawa, Akihiro; Ooshima, Shinichi; Kamiya, Akihiro; and Hirose, Yoshio, 4,800,321, Cl. 313-639.000.
- Inukai, Shinji; Honda, Kazuo; and Kamiya, Akihiro, 4,827,176, Cl. 313-54.000.

Kamiya, Akira: *See*—
- Atomori, Seiichi; Inagaki, Teruo; Furuyama, Tateki; and Kamiya, Akira, 4,839,410, Cl. 524-281.000.

Kamiya, Haruo: *See*—
- Hashizume, Yoshikazu; and Kamiya, Haruo, 4,889,314, Cl. 251-129.020.

Kamiya, Joji: *See*—
- Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.
- Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,845,228, Cl. 546-339.000.

Kamiya, Kazuhiro: *See*—
- Watanabe, Isamu; Kamiya, Kazuhiro; Torii, Takahiro; and Mori, Toshihito, 4,855,287, Cl. 514-41.000.

Kamiya, Kenji, to Ricoh Company, Ltd. Image data processing system for image input device. 4,817,181, 3-28-89, Cl. 382-54.000.

Kamiya, Kohji: *See*—
- Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, 4,882,530, Cl. 318-696.000.
- Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.

Kamiya, Makoto: *See*—
- Hosomizu, Hiroshi; Ichikawa, Tsutomu; Kamiya, Makoto; Yoneyama, Masatoshi; and Tuzi, Kenzi, 4,839,686, Cl. 354-416.000.
- Taniguchi, Nobuyuki; Yamazaki, Keiji; Hosomizu, Hiroshi; Kamiya, Makoto; and Tsuji, Kenji, 4,851,868, Cl. 354-127.100.

Kamiya, Masaaki: *See*—
- Hayashi, Yutaka; Kojima, Yoshikazu; Kamiya, Masaaki; and Tanaka, Kojiro, 4,821,236, Cl. 365-185.000.
- Namiki, Masayuki; Gouda, Masanori; and Kamiya, Masaaki, 4,875,011, Cl. 324-251.000.

Kamiya, Masahiro: *See*—
- Nakanishi, Hikaru; Kamiya, Masahiro; Kuwana, Katsuyuki; and Ishizuka, Hiroaki, 4,808,378, Cl. 422-48.000.

Kamiya, Masakazu: *See*—
- Kagiyama, Junji; Kobayashi, Kiyonori; and Kamiya, Masakazu, 4,850,932, Cl. 464-68.000.
- Kobayashi, Kiyonori; Kamiya, Masakazu; Kagiyama, Junji; and Hyodo, Motoi, 4,887,485, Cl. 74-574.000.

Kamiya, Mitsuharu: *See*—
- Hori, Masaaki; and Kamiya, Mitsuharu, 4,861,175, Cl. 400-76.000.

Kamiya, Norikazu; and Murai, Katsumi, to Aisan Kogyo Kabushiki Kaisha. Information signal transmitting device. 4,888,585, 12-19-89, Cl. 340-825.340.

Kamiya, Saburo; Suzuki, Kazuaki; and Tanimoto, Akikazu, to Nikon Corporation. Exposure apparatus. 4,853,745, 8-1-89, Cl. 355-43.000.

Kamiya, Saburo: *See*—
- Hikima, Ikuo; Miyaji, Akira; Kamiya, Saburo; and Tanimoto, Akikazu, 4,820,899, Cl. 219-121.760.

Kamiya, Shigeo, to Kabushiki Kaisha Toshiba. Stack pointer control circuit. 4,807,185, 2-21-89, Cl. 364-900.000.

Kamiya, Shingo, to Yamaha Corporation. Optical pickup control device. 4,858,216, 8-15-89, Cl. 369-46.000.

Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, to Taiho Kogyo Co., Ltd. Aluminum bearing alloy. 4,806,308, 2-21-89, Cl. 420-530.000.

Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, to Taiho Kogyo Co., Ltd. Aluminum bearing alloy. 4,818,487, 4-4-89, Cl. 420-530.000.

Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, to Taiho Kogyo Co., Ltd. Aluminum bearing alloy. 4,822,561, 4-18-89, Cl. 420-530.000.

Kamiya, Tadao; and Leader, Matthew J., to Shiley Incorporated. Multi-channel optical transmission system. 4,822,127, 4-18-89, Cl. 350-96.150.

Kamiya, Tadao: *See*—
- Leader, Matthew J.; and Kamiya, Tadao. 4,833,091, Cl. 436-133.000.

Kamiya, Takashi; Suzuki, Masaya; Obata, Yoshinori; Watanabe, Masaaki; and Matsuoka, Isao, to Aica Kogyo Co., Ltd. Artificial marble. 4,871,596, 10-3-89, Cl. 428-15.000.

Kamiya, Takeshi: *See*—
- Sano, Akira; Kobayashi, Seizo; Matsuura, Kazuo; Yokoyama, Shigeki; and Kamiya, Takeshi, 4,879,076, Cl. 264-28.000.
- Yokoyama, Shigeki; Kamiya, Takeshi; Niikawa, Takeo; Nagase, Masakatsu; and Kuroishi, Tetujiro, 4,812,355, Cl. 428-215.000.

Kamiya, Tamotsu; Uchiyama, Nobuhito; and Shibayama, Yasuhiro, to Furukawa Electric Co., Ltd. Method of fabricating optical fiber base material. 4,832,721, 5-23-89, Cl. 65-3.120.

Kamiya, Tamotsu: *See*—
- Okabe, Yoshio; Kobayashi, Yukimori; Ishikawa, Makoto; Kamiya, Tamotsu; and Atsumi, Tomiaki, 4,798,563, Cl. 474-110.000.
- Uchiyama, Nobuhito; Kamiya, Tamotsu; Shibayama, Yasuhiro; Takagi, Shigeo; and Katano, Sakae, 4,813,989, Cl. 65-1.000.

Kamiya, Tetsuro; Inoue, Takeshi; Yorozu, Hidenori; Eguchi, Yasuteru; and Tsujii, Kaoru, to Kao Corporation. Precutaneous absorption accelerator and preparation containing same. 4,859,696, 8-22-89, Cl. 514-420.000.

Kamiya, Tetsuro; Tsuchiya, Shuichi; and Hara, Kenji, to Kao Corporation. External medication for skin. 4,879,274, 11-7-89, Cl. 514-12.000.

Kamiya, Tomoyuki: *See—*
Ogawa, Kazuo; Oohashi, Masaki; and Kamiya, Tomoyuki, 4,851,067, Cl. 156-244.180.

Kamiya, Yoji: *See—*
Ohta, Takeshi; Kamiya, Yoji; Nakashima, Kunimichi; and Taniguchi, Mitsuyoshi, 4,797,052, Cl. 414-744.300.

Kamiya, Yoshio: *See—*
Fukuyama, Tatsuo; Okada, Toshihiko; Moriguchi, Sanseki; Kamiya, Yoshio; and Ogata, Eisuke, 4,820,405, Cl. 208-423.000.

Kamiyama, Akira; and Maki, Tokio, to Mitsuba Electric Manufacturing Co. Ltd. Magneto bowl-shaped rotor. 4,795,924, 1-3-89, Cl. 310-67.00R.

Kamiyama, Akira; Kimura, Yoshimasa; and Hosoya, Yukiteru, to Mitsuba Electric Manufacturing Co., Ltd. Holding device for automatic self-aligning ball metal. 4,806,025, 2-21-89, Cl. 384-202.000.

Kamiyama, Akira; Hongo, Nobuhisa; Matsuki, Toyomi; and Kanai, Kenji, to Mitsuba Electric Mfg. Co., Ltd. Winding patterns for armatures. 4,857,790, 8-15-89, Cl. 310-234.000.

Kamiyama, Akira; Yamagisawa, Nobuo; and Oshima, Nobuyuki, to Mitsuba Electric Manufacturing Co., Ltd. Pulsation preventive member for pump. 4,861,238, 8-29-89, Cl. 417-363.000.

Kamiyama, Hideyo: *See—*
Kawahara, Yasunari; and Kamiyama, Hideyo, 4,847,816, Cl. 369-86.000.

Kamiyama, Isao, to Mitsubishi Denki Kabushiki Kaisha. PWM inverter system. 4,847,743, 7-11-89, Cl. 363-41.000.

Kamiyama, Kenzo: *See—*
Omae, Tsutomu; Matsuda, Toshihiko; Miyahara, Youjirou; and Kamiyama, Kenzo, 4,839,834, Cl. 364-565.000.

Kamiyama, Kozi; Okazaki, Yoji; Okazaki, Masaki; Kubodera, Seiiti; and Takeuchi, Syozo, to Fuji Photo Film Co., Ltd. Optical wavelength conversion device. 4,830,447, 5-16-89, Cl. 350-96.120.

Kamiyama, Kozi; and Okazaki, Yoji, to Fuji Photo Film Co., Ltd. Optical wavelength conversion device. 4,838,638, 6-13-89, Cl. 350-96.190.

Kamiyama, Kozi: *See—*
Okazaki, Yoji; Sunagawa, Hiroshi; and Kamiyama, Kozi, 4,830,448, Cl. 350-96.130.
Sunagawa, Hiroshi; and Kamiyama, Kozi, 4,797,867, Cl. 369-45.000.
Umegaki, Shinsuke; Okazaki, Yoji; and Kamiyama, Kozi, 4,820,011, Cl. 350-96.190.

Kamiyama, Masayuki: *See—*
Aoki, Masaaki; Tani, Mayumi; Kamiyama, Masayuki; and Asai, Kiyotsugu, 4,880,869, Cl. 524-773.000.

Kamiyama, Shinichi: *See—*
Sawayama, Noboru; Kamiyama, Shinichi; Yuh, Hideo; Takashima, Masayuki; and Sekiya, Tadayuki, 4,814,821, Cl. 355-4.000.

Kamiyama, Sigeru: *See—*
Shiraishi, Noriaki; Kamiyama, Sigeru; Amioka, Shigenori; and Okada, Akiyoshi, 4,854,634, Cl. 296-108.000.

Kamiyama, Tadanobu: *See—*
Yoneda, Hitoshi; and Kamiyama, Tadanobu, 4,827,352, Cl. 358-287.000.

Kamiyama, Takashi; Segawa, Osamu; and Eshima, Mitsuaki, to Toshiba Kikai Kabushiki Kaisha. Method of changing the resin in an injection molding machine using a nozzle touch plate. 4,808,355, 2-28-89, Cl. 264-39.000.

Kamiyama, Takashi; and Fujita, Shigeru, to Toshiba Kikai Kabushiki Kaisha. Vent type injection molding machines. 4,822,269, 4-18-89, Cl. 425-203.000.

Kamiyama, Toshibumi: *See—*
Shiomi, Yoshinori; Kamiyama, Toshibumi; Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; and Matsui, Masahiko, 4,844,377, Cl. 242-198.000.

Kamiyama, Yoichi: *See—*
Fukuoka, Hisahiro; Takano, Yutaka; and Kamiyama, Yoichi, 4,870,247, Cl. 219-125.100.

Kamizawa, Koh: *See—*
Murakami, Tokumichi; and Kamizawa, Koh, 4,864,562, Cl. 370-84.000.

Kamkap, Inc.: *See—*
Holdsworth, Thomas S.; and Holdsworth, George M., 4,848,458, Cl. 166-92.000.

Kamke, Reinhard; Bartels, Hermann A.; Heseler, Horst; Srock, Rainer; and Eger, Georg, to Dr. Ing. h.c. F. Porsche Aktiengesellschaft. Door lock mechanism for a motor vehicle. 4,843,849, 7-4-89, Cl. 70-264.000.

Kamlukin, Igor; Penkoske, Donald G.; and Schanz, John W., to Simplicity Manufacturing, Inc. Riding mower chassis having improved rear portion. 4,807,904, 2-28-89, Cl. 280-781.000.

Kamman, Gordon W.: *See—*
Merten, Barry; and Kamman, Gordon W., 4,852,837, Cl. 248-188.000.

Kammann, Wilfried: *See—*
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Kamme, Carl G. Absorbent body with semipermeable membrane. 4,820,293, 4-11-89, Cl. 604-368.000.

Kammer, Lothar: *See—*
Gonzalez, ReneA. A.; Nicolaisen, Heinz-Christian; and Kammer, Lothar, 4,882,001, Cl. 156-273.300.

Kammeraad, James A., to K-Line Industries, Inc. Valve seal retainer. 4,822,061, 4-18-89, Cl. 277-181.000.

Kammeraad, James A., to K-Line Industries, Inc. Fishing line release. 4,825,583, 5-2-89, Cl. 43-43.120.

Kammerdiner, Lee: *See—*
Jones, Robert E., Jr., Kammerdiner, Lee; and Reeder, Michael R., 4,835,118, Cl. 437-173.000.

Kammerer, Brian G.; and Kammerer, Glenda M. Three-dimensional display device for lampshades. 4,817,315, 4-4-89, Cl. 40-554.000.

Kammerer, Gene W.; and Barcan, Donald, to Johnson & Johnson Orthopaedics, Inc. Foil pouch. 4,797,309, 1-10-89, Cl. 428-35.300.

Kammerer, Glenda M.: *See—*
Kammerer, Brian G.; and Kammerer, Glenda M., 4,817,315, Cl. 40-554.000.

Kammerer, Hans: *See—*
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Kammerer, Kevin: *See—*
Lorenzen, Rick D.; Houghton, William; Palmer, Darrel; and Kammerer, Kevin, 4,867,153, Cl. 128-205.120.

Kammerer, Manfred: *See—*
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Kammerer, Roderich: *See—*
Goldbach, Hubert; and Kammerer, Roderich, 4,822,011, Cl. 267-201.000.

Kammerling, Bruno; Rosker, Werner; Scholz, Eckhard-Karl; and Kowalski, Wolfgang, to Man Gutehoffnungschutte GmbH. Apparatus for changing the level of tap runner of a shaft furnace. 4,828,228, 5-9-89, Cl. 266-142.000.

Kammerling, Bruno: *See—*
Henneken, Bernhard; Kammerling, Bruno; Scholz, Eckhard-K.; Schroder, Wolfgang; and Krause, Hans, 4,878,655, Cl. 266-184.000.
Henneken, Bernhard; Kammerling, Bruno; Scholz, Eckhard-K.; Schroeder, Wolfgang; and Krause, Hans, 4,881,869, Cl. 414-786.000.

Kammerling-Essmann, Horst-Peter, to Essmann & Schaefer GmbH & Co. KG. Cutting and scoring strip. 4,829,854, 5-16-89, Cl. 76-107.00C.

Kammermeier, Anton: *See—*
Moser, Ludwig M.; and Kammermeier, Anton, 4,847,763, Cl. 364-413.020.

Kammiller, Neil, to Reliance Comm/Tec Corporation. Power factor correction circuit. 4,855,890, 8-8-89, Cl. 363-44.000.

Kammler, Thomas L.; and Thomas, Charles L., to Chipper Industries Inc. Coaxial adjustable hydraulic clutch actuator. 4,848,549, 7-18-89, Cl. 192-85.0CA.

Kammoto, Yoshiaki; and Saito, Masanori, to Ricoh Company, Ltd. Device for reading a color image from an original document with reciprocating filter. 4,841,358, 6-20-89, Cl. 358-75.000.

Kammuri, Youichi: *See—*
Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.

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Kamo, Jun: *See—*
Takemura, Tohru; Itoh, Hajime; Kamo, Jun; and Yoshida, Haruhiko, 4,802,942, Cl. 156-244.130.

Kamo, Roy; Woods, Melvin E.; and Bryzik, W., to Adiabatics, Inc. Thin thermal barrier coating for engines. 4,852,542, 8-1-89, Cl. 123-668.000.

Kamo, Tomoichi: *See—*
Kumagai, Teruo; Horiba, Tatsuo; Kamo, Tomoichi; Takeuchi, Seiji; Iwamoto, Kazuo; Kitami, Kunko; and Tamura, Koki, 4,810,597, Cl. 429-22.000.
Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.

Kamo, Yoshihisa, to Hitachi, Ltd. Magnetoresistive head for magnetic disk. 4,807,074, 2-21-89, Cl. 360-113.000.

Kamo, Yoshihisa; and Kitada, Masahiro, to Hitachi, Ltd. Magnetoresistive head. 4,816,948, 3-28-89, Cl. 360-113.000.

Kamo, Yoshihisa; and Momata, Kazuhiro, to Hitachi, Ltd. Magnetoresistive element. 4,821,012, 4-11-89, Cl. 338-32.00R.

Kamo, Yoshihisa: *See—*
Kitada, Masahiro; Tanabe, Hideo; Shimizu, Noboru; Kamo, Yoshihisa; Nakamura, Hitoshi; and Takeura, Tooru, 4,814,919, Cl. 360-113.000.
Sato, Naoki; Kamo, Yoshihisa; Takeura, Tooru; Katsumata, Masao; and Momata, Kazuhiro, 4,807,043, Cl. 360-113.000.

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Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; and Yagi, Shigeki, 4,798,620, Cl. 71-95.000.
Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,804,394, Cl. 71-92.000.
Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,828,604, Cl. 71-90.000.
Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Hayakawa, Hidenori; and Yagi, Shigeki, 4,836,644, Cl. 71-90.000.

Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,845,230, Cl. 548-139.000.

Kamoda, Tamotsu: *See—*
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Kamogawa, Masatake; and Kato, Masaaki, to Mitsubishi Rayon Co., Ltd. Method for regeneration of oxidation catalyst. 4,814,305, 3-21-89, Cl. 502-26.000.

Kamohara, Eiji, to Kabushiki Kaisha Toshiba. Color cathode ray tube. 4,870,321, 9-26-89, Cl. 313-414.000.

Kamohara, Hideaki: *See—*
Tamura, Naoyuki; Kamohara, Hideaki; Kanai, Norio; and Ichihashi, Kazuaki, 4,810,473, Cl. 422-247.000.

Kamohara, Hiroshi; Hayashi, Shohei; and Ohi, Nobukazu, to G-C Dental Industrial Corp. Investments for dental casting. 4,814,011, 3-21-89, Cl. 106-38.510.

Kamohara, Hisato; Amano, Kagetaka; Horie, Hiromichi; Shimamura, Keizo; and Aisaka, Tatsuyoshi, to Kabushiki Kaisha Toshiba. Metal-bonded tool and method of manufacturing same. 4,832,707, 5-23-89, Cl. 51-307.000.

Kamohara, Tatsuyoshi: *See—*
Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.

Kamohara, Tatuyoshi: *See—*
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Hajikano, Kazuo; Shimoe, Toshio; Kamoi, Jyoei; Sawaki, Ippei; and Murakami, Koso, 4,837,855, Cl. 455-600.000.

Kamon, Kouichi, to Ricoh Company, Ltd. Processing device for changing magnification of image data. 4,827,433, 5-2-89, Cl. 364-523.000.

Kamon, Kouichi, to Ricoh Company, Ltd. Document sheet position detecting device for image forming apparatus. 4,875,104, 10-17-89, Cl. 358-400.000.

Kamon, Yoshiyuki; Ogiwara, Akira; and Nageno, Koji, to Sony Corporation. Connector apparatus. 4,874,316, 10-17-89, Cl. 439-39.000.

Kamono, Takashi: *See—*
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Kamoshida, Kazuyoshi; Nakamura, Hiroaki; and Amazawa, Takao, to Nippon Telegraph and Telephone Corporation. Method for forming a planarized thin film. 4,816,126, 3-28-89, Cl. 204-192.300.

Kamoshida, Masakazu: *See—*
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Kamoshida, Takeshi: *See—*
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Kamoshita, Katsuzo: *See—*
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Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,82[illegible],533, Cl. 71-96.000.
Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,835,324, Cl. 568-709.000.
Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,881,970, Cl. 71-96.000.

Kamoto, Hidetoshi; Yamanouchi, Hiroshi; Takahashi, Shogo; Takamiya, Toru; and Gouda, Yoshimasa, to Sony Corporation. Recording and/or reproducing device for the flexible magnetic disk. 4,805,054, 2-14-89, Cl. 360-97.010.

Kamp, Adele, heiress: *See—*
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Kamp, David C.: *See—*
Newman, Albert P.; and Kamp, David C., 4,795,360, Cl. 439-278.000.

Kamp, Ewald A., to First Brands Corporation. Multiposition interlocking closure fastening device. 4,854,017, 8-8-89, Cl. 24-587.000.

Kamp, Ewald A., deceased: *See—*
Forberg, Elizabeth A.; and Kamp, Ewald A., deceased, 4,844,248, Cl. 206-390.000.

Kamp, Heinz; Becker, Rolf; and Wionsek, Horst, to W. Schlafhorst & Co. Yarn traversing mechanism. 4,807,822, 2-28-89, Cl. 242-43.00R.

Kamp, Heinz, to W. Schlafhorst & Co. Automatic cross-wound bobbin winding machine. 4,844,358, 7-4-89, Cl. 242-35.50R.

Kamp, Ronald P. T.; and De Meij, Johannes P., to U.S. Philips Corporation. Getter arrangement having a getter detector and a post-heating timer. 4,881,914, 11-21-89, Cl. 445-73.000.

Kampa, Barbara: *See—*
Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.

Kampe, Klaus-Dieter; Raether, Wolfgang; and Dittmar, Walter, to Hoechst Aktiengesellschaft. 2-azolylmethyl-2-phenyl-4-[benzazol-2-yloxy-or-thio-methyl]-1,3 dioxolanes and salts thereof, pharmaceutical compositions containing them and their use. 4,818,758, 4-4-89, Cl. 514-252.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, to Hoechst Aktiengesellschaft. 2-Azolylmethyl-2-aryl-1,3-dioxolanes and the salts thereof, agents containing same, and the use thereof. 4,824,846, 4-25-89, Cl. 514-252.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; Dittmar, Walter; and Hanel, Heinz, to Hoechst Aktiengesellschaft. 2-Azolylmethyl-2-aryl-1,3-dioxolanes and the salts thereof, agents containing same, and the use thereof. 4,859,670, 8-22-89, Cl. 514-252.000.

Kampe, Klaus-Dieter; Raether, Wolfgang; and Dittmar, Walter, to Hoechst Aktiengesellschaft. 2-azolylmethyl-2-aryl-1,3-dioxolanes and the salts thereof, processes for the preparation thereof, agents containing same, and the use thereof. 4,877,878, 10-31-89, Cl. 544-368.000.

Kampe, Klaus-Dieter: *See—*
Siegel, Herbert; Kampe, Klaus-Dieter; Alpermann, Hans G.; Gerhards, Hermann J.; Usinger, Patricia; Schacht, Ulrich; Leven, Margret; Raether, Wolfgang; Dittmar, Walter; and Sachse, Burkhard, 4,876,354, Cl. 548-341.000.

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Kampel, Jerry: *See—*
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Kampen, Jan-Dieter; and Schroder, Karl-Friedrich, to Kolbus GmbH & Co. KG. Wrapping apparatus for a book cover production machine. 4,889,461, 12-26-89, Cl. 412-19.000.

Kamperman, James S., to International Business Machines Corp. Method and apparatus for mounting a flexible film electronic device carrier on a substrate. 4,835,847, 6-6-89, Cl. 29-840.000.

Kampf, Gunther: *See—*
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Kampf, Hans; and Lochmahr, Karl, to Sueddeutsche Kuehlerfabrik, Julius Fr., Behr GmbH & Co. KG. Air conditioner humidity control system. 4,852,363, 8-1-89, Cl. 62-176.600.

Kampf, Klaus, to Jean Walterscheid GmbH. Torque limiting clutch. 4,848,547, 7-18-89, Cl. 192-56.00R.

Kampfer, Helmut; and Himmelmann, Wolfgang, to Agfa-Gevaert Aktiengesellschaft. Process for the preparation of sulfoalkyl quaternary salts and for the production of alkane sultones. 4,883,880, 11-28-89, Cl. 546-347.000.

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Kamphues, Johannes J. M.: *See—*
Nieuwendijk, Joris A. M.; Bax, Johannes W. T.; Kamphues, Johannes J. M.; and de Haas, Franciscus C. M., 4,847,908, Cl. 381-202.000.

Kampner, Stanley L. Hip prosthesis. 4,840,632, 6-20-89, Cl. 623-22.000.

Kamps, Karl H.; and Neuendorf, Hans C., to Flachglas Aktiengesellschaft. Apparatus for the galvanic reinforcement of a conductive trace on a glass pane. 4,869,798, 9-26-89, Cl. 204-224.00R.

Kamrath, Rick: *See—*
Rudell, Elliott; Cernansky, Joe; Ayton, Ian; Kamrath, Rick; and Foster, George, 4,850,496, Cl. 215-12.100.

Kamstra, Paulus R., to Duphar International Research B.V. Automatic injector. 4,822,340, 4-18-89, Cl. 604-135.000.

Kamstrup-Larsen, Jorgen, to Coloplast A/S. Method for producing an absorption body, notably for use in cases of urinary incontinence in women. 4,840,692, 6-20-89, Cl. 156-252.000.

Kamuro, Yasuo; Kawai, Tadahide; and Kakiuchi, Toshihito, to Fujisawa Pharmaceutical Co., Ltd. Herbicide. 4,846,872, 7-11-89, Cl. 71-86.000.

Kamyr AB: *See—*
Granberg, Bertil; and Lanne, Bert R., 4,810,964, Cl. 324-207.000.
Gullichsen, Johan; and Hynninen, Pertti, 4,812,207, Cl. 162-29.000.
Gullichsen, Johan, 4,826,398, Cl. 415-143.000.
Lundqvist, Kjell U. W., 4,844,789, Cl. 210-398.000.
Lysen, Claes G., 4,804,912, Cl. 324-207.000.
Niskanen, Toivo, 4,834,547, Cl. 366-165.000.
Richter, Johan C. F. C.; and Richter, Ole J., 4,840,047, Cl. 68-181.00R.
Richter, Johan C. F. C.; Ricter, Ole J.; and Jacobsen, Finn, 4,881,286, Cl. 8-156.000.

Kamyr, Inc.: *See—*
Brison, Robert J.; Elmore, Carl L.; and Mitchell, Phillip, 4,816,234, Cl. 423-29.000.
Elmore, Carl L., 4,867,845, Cl. 162-243.000.
Gazdik, Lawrence E.; and Allard, Edward F., 4,842,690, Cl. 162-57.000.
Mitchell, Phillip, 4,807,854, Cl. 266-168.000.
Wiley, William E., 4,886,577, Cl. 162-52.000.

Kan, Akiko, successor: *See—*
Kan, Fumitaka, deceased; Koizumi, Norihiko; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; Mishina, Shinya; and Tanioka, Hiroshi, 4,855,763, Cl. 346-160.100.
Kan, Fumitaka; Arahara, Kohzoh; Tohyama, Noboru; Yuasa, Toshiya; and Fukumoto, Hiroshi, to Canon Kabushiki Kaisha. Image recording ink. 4,838,940, 6-13-89, Cl. 106-22.000.
Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko, to Canon Kabushiki Kaisha. Image recording method using fluid ink electrochemically imparted with adhesiveness. 4,881,084, 11-14-89, Cl. 346-1.100.
Kan, Fumitaka: *See—*
Hayakawa, Naoji; Takenouchi, Masanori; Nakamura, Kenji; Kan, Fumitaka; Kozato, Yasuo; and Hakamada, Isao, 4,858,062, Cl. 361-225.000.
Kan, Fumitaka, deceased (by Kan, Akiko, successor); Koizumi, Norihiko; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; Mishina, Shinya; and Tanioka, Hiroshi, to Canon Kabushiki Kaisha. Image recording apparatus. 4,855,763, 8-8-89, Cl. 346-160.100.
Kan, Hirofumi: *See—*
Koishi, Musubu; Mizushima, Yoshihiko; and Kan, Hirofumi, 4,875,093, Cl. 358-83.000.
Kan, Hsin-Chia: *See—*
Pavlisko, Joseph A.; and Kan, Hsin-Chia, 4,847,175, Cl. 430-58.000.
Kan, Kazuma: *See—*
Kurusu, Yasuo; Kan, Kazuma; and Tamura, Hiroshi, 4,870,454, Cl. 355-69.000.
Kan, Kazunori: *See—*
Ohashi, Takehisa; Kan, Kazunori; Ueyama, Noboru; Sada, Isao; Miyama, Akimasa; and Watanabe, Kiyoshi, 4,861,877, Cl. 540-357.000.
Kan, Kojiro: *See—*
Tominaga, Kaoru; Kan, Kojiro; Takata, Toshimasa; and Tomoshige, Toru, 4,885,329, Cl. 524-430.000.
Kan, Tatsuhiko; Kobayashi, Yoichi; Sonoike, Yoshiko; Terashima, Tsuneo; and Mutai, Masahiko, to Kabushiki Kaisha Yakult Honsha. Liquid food for curing constipation: polydextrose and oligosaccharide. 4,859,488, 8-22-89, Cl. 426-658.000.
Kan, Toshiya: *See—*
Tanaka, Masato; and Kan, Toshiya, 4,874,993, Cl. 318-254.000.
Kan, Tsuneo; Nakamura, Yozo; and Ishii, Mieko, to Hitachi, Ltd. Pulsationless duplex plunger pump and control method thereof. 4,808,077, 2-28-89, Cl. 417-2.000.
Kan, Yasuo: *See—*
Yamanishi, Masamichi; Suemune, Ikuo; and Kan, Yasuo, 4,845,535, Cl. 357-17.000.
Kanabara, Youichi: *See—*
Ichibori, Keiji; Matsumoto, Takaharu; and Kanabara, Youichi, 4,863,797, Cl. 428-359.000.
Kanada, Eiji: *See—*
Kondo, Toshiro; Kanada, Eiji; and Nishinoiri, Hiroshi, 4,837,122, Cl. 430-204.000.
Yamamoto, Kazuyoshi; Saikawa, Masahiko; and Kanada, Eiji, 4,824,760, Cl. 430-204.000.
Kanada, Euji: *See—*
Nishinoiri, Hiroshi; Saikawa, Masahiko; Takaya, Yoshikazu; and Kanada, Euji, 4,873,170, Cl. 430-204.000.
Kanada, Hidehiro: *See—*
Eto, Yoshizumi; Takeshita, Kazuyuki; Kanada, Hidehiro; and Umemoto, Masuo, 4,802,192, Cl. 375-116.000.
Kanada, Sadafumi: *See—*
Yoshida, Satoru; and Kanada, Sadafumi, 4,851,899, Cl. 358-42.000.
Kanada, Tomohisa: *See—*
Tabuchi, Kenji; and Kanada, Tomohisa, 4,862,221, Cl. 355-300.000.
Kanada, Yasusi: *See—*
Gotou, Shizuo; Kanada, Yasusi; and Iwasawa, Kyoko, 4,807,126, Cl. 364-300.000.
Kanafani, Hanny; Patrick, Bruce M.; and Atwell, William A., to Pillsbury Co., The. Control of symmetry of microwave cakes. 4,847,100, 7-11-89, Cl. 426-243.000.
Kanagawa, Akira, to Pioneer Electronic Corporation. Loudspeaker reproduction apparatus in vehicle. 4,845,775, 7-4-89, Cl. 381-102.000.
Kanagawa, Akira; and Hattori, Hiroshi, to Pioneer Electronic Corporation. Variable frequency characteristic circuit for a vehicular sound device. 4,849,709, 7-18-89, Cl. 330-259.000.
Kanagawa, Masafumi: *See—*
Nagai, Kenji; Yamashita, Masayuki; Kanagawa, Masafumi; Sato, Mitsumasa; and Ito, Tsuneo, 4,833,474, Cl. 341-166.000.
Kanagawa, Noriyuki: *See—*
Iwabuchi, Koji; Tawada, Masaharu; Kanagawa, Noriyuki; Aoyama, Mituhiro; Yamazaki, Katsuhiro; and Kaneko, Kazuo, 4,845,327, Cl. 219-10.55F.
Kanagawa, Shuichi: *See—*
Saito, Yasuhisa; Kamio, Kunimasa; Kanagawa, Shuichi; and Shiomi, Yutaka, 4,808,717, Cl. 544-219.000.
Saito, Yasuhisa; Kanagawa, Shuichi; Watanabe, Katsuya; and Kamio, Kunimasa, 4,871,832, Cl. 528-353.000.
Kanagawa, Yutaka; Ishizaki, Kanjiro; and Ozawa, Mitsuzo, to NGK Insulators, Ltd.; and Chichibu Cement Co., Ltd. Solidification processing apparatus for radioactive waste materials. 4,851,155, 7-25-89, Cl. 252-628.000.
Kanaguchi, Masahiro; and Kawamoto, Hideo, to Sony Corporation. Reel table assembly. 4,887,775, 12-19-89, Cl. 242-68.100.
Kanahara, Naoyuki; Furo, Masahiro; and Fushihata, Tetsuo, to Dowa Mining Co., Ltd. Method for bonding copper plate to alumina substrate and process for producing copper/alumina bonded assembly. 4,811,893, 3-14-89, Cl. 228-198.000.
Kanahara, Naoyuki: *See—*
Sugawara, Akira; and Kanahara, Naoyuki, 4,871,399, Cl. 148-11.50C.
Kanai, Hachiro: *See—*
Sousa, Toshio; Wakamiya, Koichi; Wakabayashi, Hiroshi; Kanai, Hachiro; and Miyamoto, Hidenori, 4,871,242, Cl. 350-431.000.
Kanai, Hiroshi; Oka, Joji; and Kojo, Hidehiko, to Nippon Steel Corporation; and Asahi Denka Kogyo Kabushiki Kaisha. Paint composition for under coating. 4,826,895, 5-2-89, Cl. 523-443.000.
Kanai, Hiroshi: *See—*
Ezaki, Joichiro; and Kanai, Hiroshi, 4,797,765, Cl. 360-110.000.
Miyabayashi, Shigeaki; Kanai, Hiroshi; Oka, Joji; and Matsuura, Yoshikatsu, 4,861,672, Cl. 428-458.000.
Miyabayashi, Shigeaki; Matsuura, Yoshikatsu; Kanai, Hiroshi; and Oka, Joji, 4,880,890, Cl. 528-45.000.
Miyabayashi, Shigeaki; Matsuura, Yoshikatsu; Kanai, Hiroshi; and Oka, Joji, 4,880,891, Cl. 528-45.000.
Wakabayashi, Manabu; Sampei, Tohru; Kanai, Hiroshi; Satoo, Tomiyoshi; Nagano, Yosuke; Sonobe, Takeo; and Utsugi, Isao, 4,796,140, Cl. 360-133.000.
Kanai Juyo Kogyo Co., Ltd.: *See—*
Maruta, Akira; and Motoyama, Ryouichi, 4,885,905, Cl. 57-119.000.
Nakano, Yuzuru, 4,875,333, Cl. 57-125.000.
Taoka, Satoru, 4,825,636, Cl. 57-355.000.
Kanai Juyo Kogyo Kabushiki Kaisha: *See—*
Uyemura, Kohichi, 4,864,720, Cl. 29-765.000.
Kanai, Kenichi; Goto, Kiyoto; and Hashimoto, Kinji, to Otsuka Pharmaceutical Factory, Inc. N-pyrazinyl substituted P-aminophenols. 4,868,183, 9-19-89, Cl. 514-255.000.
Kanai, Kenji: *See—*
Kamiyama, Akira; Hongo, Nobuhisa; Matsuki, Toyomi; and Kanai, Kenji, 4,857,790, Cl. 310-234.000.
Kanai, Kunio; and Yamamoto, Toshiyuki, to Konishiroku Photo Industry Co., Ltd. Photographic material processing unit. 4,860,044, 8-22-89, Cl. 354-321.000.
Kanai, Makoto: *See—*
Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kanai, Makoto, 4,868,355, Cl. 200-61.540.
Noda, Kazushi; and Kanai, Makoto, 4,871,991, Cl. 340-384.00E.
Kanai, Masaharu; Yamazaki, Yasuo; Kameyama, Nobuyuki; Ide, Yoshihiro; Sato, Muneyoshi; and Yokota, Mitsuo, to Fuji Photo Film Co., Ltd. Data recording camera. 4,825,233, 4-25-89, Cl. 354-106.000.
Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Process for preparing Si or Ge epitaxial film using fluorine oxidant. 4,800,173, 1-24-89, Cl. 37-081.000.
Kanai, Masahiro, to Canon Kabushiki Kaisha. Method for forming a deposited film from a gaseous silane compound heated on a substrate and introducing an active species therewith. 4,830,890, 5-16-89, Cl. 427-255.100.
Kanai, Masahiro; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming thin film multi-layer structure member. 4,868,014, 9-19-89, Cl. 427-248.100.
Kanai, Masahiro: *See—*
Hirooka, Masaaki; Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, 4,869,931, Cl. 427-255.200.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,801,468, Cl. 427-35.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,818,563, Cl. 427-55.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,853,251, Cl. 427-38.000.
Nakagawa, Katsumi; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Kanai, Masahiro, 4,851,302, Cl. 428-658.000.
Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Murakami, Tsutomu, 4,888,062, Cl. 136-258.000.
Kanai, Masatatsu; and Urai, Muneharu, to Tachi-S Company Limited. Slide rail device for vehicle seat. 4,828,214, 5-9-89, Cl. 248-430.000.
Kanai, Minoru: *See—*
Kuwaoka, Toshiharu; and Kanai, Minoru, 4,847,873, Cl. 375-99.000.
Kanai, Nobuo, to Minolta Camera Kabushiki Kaisha. Overhead projector. 4,846,570, 7-11-89, Cl. 353-98.000.
Kanai, Nobuo, to Minolta Camera Kabushiki Kaisha. Illuminating device. 4,851,975, 7-25-89, Cl. 362-217.000.
Kanai, Nobuo, to Minolta Camera Kabushiki Kaisha. Overhead projector. 4,863,263, 9-5-89, Cl. 353-101.000.
Kanai, Norio: *See—*
Kakehi, Yutaka; Nakazato, Norio; Fukushima, Yoshimasa; Shibata, Fumio; Tsubone, Tsunehiko; and Kanai, Norio, 4,824,309, Cl. 414-217.000.
Tamura, Naoyuki; Kamohara, Hideaki; Kanai, Norio; and Ichishi, Kazuaki, 4,810,473, Cl. 422-247.000.
Kanai, Noriyuki: *See—*
Katahira, Keiichi; Shio, Kiyomi; and Kanai, Noriyuki, 4,854,371, Cl. 164-431.000.
Kanai, Seita; Edahiro, Takeshi; Sato, Yoshihiro; and Oda, Masashi, to Mazda Motor Corporation. Rear suspension apparatus for automotive vehicles. 4,810,004, 3-7-89, Cl. 280-690.000.
Kanai, Seita: *See—*
Takata, Naoto; Kanai, Seita; Araki, Nobuhiro; and Udo, Tadashi, 4,815,755, Cl. 280-690.000.

Kanai, Shigeru, to Tachi-S Co., Ltd. Automotive seat with walk-in device. 4,856,847, 8-15-89, Cl. 297-341.000.
Kanai, Shigeru: *See—*
Saito, Seishiro; and Kanai, Shigeru, 4,828,213, Cl. 248-421.000.
Saito, Seishiro; and Kanai, Shigeru, 4,834,333, Cl. 248-421.000.
Kanai, Takao; Yamaguchi, Katsumi; Kinoshita, Shigeo; Yoshikawa, Kikuo; and Yokoi, Syouichiro, to Clarion Co., Ltd. Dustproof door mechanism. 4,835,636, 5-30-89, Cl. 360-96.500.
Kanai, Takao: *See—*
Kinoshita, Shigeo; Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kanai, Takao; and Yokoi, Syouichiro, 4,828,158, Cl. 226-182.000.
Yamaguchi, Katsumi; Yokoi, Syouichiro; Kanai, Takao; and Yoshikawa, Kikuo, 4,797,758, Cl. 360-85.000.
Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kinoshita, Shigeo; Kanai, Takao; and Yokoi, Syouichiro, 4,872,075, Cl. 360-85.000.
Yoshikawa, Kikuo; Kanai, Takao; Yamaguchi, Katsumi; and Yokoi, Syouichiro, 4,825,312, Cl. 360-96.500.
Kanai, Takashi; Ochiai, Masami; Oshina, Morio; Sonoda, Mitsuo; and Nozaki, Koji, to Hitachi Construction Machinery Co., Ltd. Hydraulic drive circuit system. 4,846,046, 7-11-89, Cl. 91-506.000.
Kanai, Takashi: *See—*
Ichiryu, Ken; Kanai, Takashi; Ochiai, Masami; Nozawa, Yuusaku; and Kato, Hideyo, 4,813,447, Cl. 137-486.000.
Kanai, Tamotsu; and Hayashi, Katsunori, to Akebono Brake Industry Co., Ltd. Method for forming a piston having a peg. 4,887,449, 12-19-89, Cl. 72-356.000.
Kanai, Tetsuro, to NEC Corporation. Microcomputer capable of transferring data from one location to another within a memory without an intermediary data bus. 4,835,684, 5-30-89, Cl. 364-200.000.
Kanai, Toshio: *See—*
Ishihara, Ichiro; and Kanai, Toshio, 4,855,686, Cl. 330-261.000.
Takeda, Yoshimitsu; Mochida, Haruo; Iwasaki, Tsutomu; and Kanai, Toshio, 4,871,994, Cl. 340-457.000.
Kanai, Toyoo: *See—*
Katsuyama, Tsutomu; Yoshida, Isao; Kanai, Toyoo; and Taguchi, Yasunobu, 4,870,698, Cl. 455-67.000.
Kanai, Tsuneyuki; and Miyoshi, Tadahiko, to Hitachi, Ltd. Silicon nitride sintered body and method for producing same. 4,806,510, 2-21-89, Cl. 501-97.000.
Kanai, Tsutomu: *See—*
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, Toshikazu, 4,884,080, Cl. 346-46.000.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; and Kanai, Tsutomu, 4,890,121, Cl. 346-76.0PH.
Yoshioka, Takao; Kanai, Tsutomu; Aizawa, Yuichi; Horikoshi, Hiroyoshi; and Hasegawa, Kazuo, 4,873,255, Cl. 514-369.000.
Kanai, Tsuyoshi: *See—*
Komatsu, Masato; Baba, Isao; Narukawa, Kiyotada; Yamamoto, Noboru; and Kanai, Tsuyoshi, 4,801,651, Cl. 525-195.000.
Komatsu, Masato; Baba, Isao; Mikami, Takashi; Narukawa, Kiyotada; and Kanai, Tsuyoshi, 4,873,288, Cl. 525-194.000.
Kanai, Yasunori; Nawata, Kazumasa; and Shimizu, Mitsuhisa, to Fujitsu Limited. ECL gate array with collector resistance compensation for distance from power supply pad. 4,866,303, 9-12-89, Cl. 307-443.000.
Kanai, Yasuyuki: *See—*
Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.
Kanai, Yoshiaki: *See—*
Sumitomo, Hidehiko; Nakazawa, Takanori; Nakatsuka, Jun; Tominaga, Jiro; and Kanai, Yoshiaki, 4,851,059, Cl. 148-327.000.
Kanai, Yumiko: *See—*
Yokotsuka, Koki; Kushida, Tadae; Kanai, Yumiko; Aihara, Toshihide; Yajima, Mizuo; and Nakajima, Tomoyoshi, 4,820,520, Cl. 424-439.000.
Kanai, Yutaka: *See—*
Konno, Tetsuro; Kanai, Yutaka; and Fujita, Tetsuya, 4,797,695, Cl. 346-160.000.
Kanaljuk, Viktor L.; Surakov, Anatoly M.; Chornogotsky, Vasily M.; and Shifrin, Lazar N., to Nauchno-Issledovatelsky, Proektno-Konstruktorsky I Tekhnologichesky Institut Transformatorostroeniya. Bar for induction devices. 4,880,944, 11-14-89, Cl. 174-138.00E.
Kanamaru, Hisanobu; and Sugaya, Yosimi, to Hitachi, Ltd.; and Hitachi Powdered Metals Co., Ltd. Valve lifter and method of producing the same. 4,829,950, 5-16-89, Cl. 123-90.510.
Kanamaru, Hisanobu; and Gunji, Kenichi, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Variable displacement compressor. 4,884,952, 12-5-89, Cl. 417-222.000.
Kanamaru, Hisanobu: *See—*
Doi, Masayuki; Asahi, Naotatsu; Kojima, Yoshitaka; Kanamaru, Hisanobu; and Aoyama, Susumu, 4,873,150, Cl. 428-627.000.
Sawahata, Kazuo; and Kanamaru, Hisanobu, 4,884,427, Cl. 72-82.000.
Tsuruoka, Kazuhiro; Kanamaru, Hisanobu; Ohwada, Takefumi; Hayase, Isao; and Mizukami, Masao, 4,815,195, Cl. 29-523.000.
Usui, Toshifumi; Yanagisawa, Syozo; Kanamaru, Hisanobu; and Tsuruoka, Kazuhiro, 4,815,192, Cl. 29-509.000.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Video disk recorded with video and digital data and recording/reproducing apparatus therefor. 4,800,446, 1-24-89, Cl. 358-343.000.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Information reproduction method for complex and CD disks. 4,839,746, 6-13-89, Cl. 358-342.000.
Kanamaru, Hitoshi; Watanabe, Tsuyoshi; Shiba, Takahumi; and Katagiri, Shoichi, to Pioneer Electronic Corporation. Information recording disc with composite index codes and its playback method. 4,843,484, 6-27-89, Cl. 358-342.000.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Video disk reproducing device having improved motor speed control. 4,855,847, 8-8-89, Cl. 360-19.100.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Video/compact disk player having reduced track search time. 4,855,978, 8-8-89, Cl. 369-32.000.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Apparatus for reproducing frequency-division multiplexed video FM and digital audio signals. 4,858,024, 8-15-89, Cl. 358-310.000.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Device for reproducing a sequence of still pictures with an audio portion and without motion pictures between successive still pictures. 4,860,122, 8-22-89, Cl. 358-341.000.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Disk player having variable spindle speed for continuous audio in fast and slow reproduction modes. 4,864,428, 9-5-89, Cl. 358-342.000.
Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Method of recording and reproducing color video signals. 4,868,679, 9-19-89, Cl. 358-334.000.
Kanamaru, Hitoshi: *See—*
Tanaka, Hozumi; and Kanamaru, Hitoshi, 4,864,427, Cl. 358-342.000.
Kanamaru, Kazuo: *See—*
Takeuchi, Eiichi; Wada, Kaname; Miyamura, Kou; Kanamaru, Kazuo; Tanaka, Hiroyuki; Sugino, Kazuo; and Ando, Kenzo, 4,828,015, Cl. 164-461.000.
Kanamaru, Kouiti: *See—*
Furuya, Akihiko; Kanamaru, Kouiti; and Inoue, Junichi, 4,835,686, Cl. 364-200.000.
Kanamaru, Masanobu: *See—*
Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.
Tanahashi, Toshio; Kanamaru, Masanobu; Itoh, Toshio; and Itoh, Kazuhiro, 4,883,030, Cl. 123-193.0CH
Kanamaru, Tatsuya; Nakayama, Motohiro; Arai, Katutoshi; Suzuki, Shinichi; and Naka, Ryoichi, to Nippon Steel Corporation. Corrosion resistant plated steel strip and method for producing same. 4,877,494, 10-31-89, Cl. 204-28.000.
Kanamaru, Toshiji: *See—*
Moriya, Mitsuro; Kanamaru, Toshiji; Shiragami, Kazuharu; Yamaguchi, Hiroyuki; and Watanabe, Katsuya, 4,807,206, Cl. 369-32.000.
Kanamaru, Tsuneo; Shinagawa, Susumu; and Muroi, Masayuki, to Takeda Chemical Industries, Ltd. 2-oxo-5-methyl-6-[4-heptene]-2H-pyrano[3,2-c]pyridine. 4,803,275, 2-7-89, Cl. 546-116.000.
Kanamori, Hideo; and Hashimoto, Katsumi, to Idemitsu Kosan Company Limited. Lubricating oil composition serving as sliding surface oil and metal working oil, and method of lubricating working machinery using said oil composition. 4,822,507, 4-18-89, Cl. 252-49.500.
Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, to Sumitomo Electric Industries, Ltd. Glass preform for dispersion shifted single mode optical fiber and method for the production of the same. 4,822,399, 4-18-89, Cl. 65-3.120.
Kanamori, Hiroo; Tanaka, Gotaro; Kyoto, Michihisa; Yoshioka, Naoki; and Mizutani, Futoshi, to Sumitomo Electric Industries, Ltd. Method for producing glass preform for optical fiber containing fluorine in cladding. 4,880,452, 11-14-89, Cl. 65-3.120.
Kanamori, Hiroo: *See—*
Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, 4,812,155, Cl. 65-3.120.
Yokota, Hiroshi; Kanamori, Hiroo; Ishiguro, Yoichi; Mizutani, Futoshi; and Tanaka, Gotaro, 4,846,867, Cl. 65-3.120.
Kanamori, Iwao, to Olympus Optical Co., Ltd. Objective lens system for endoscopes. 4,877,314, 10-31-89, Cl. 350-422.000.
Kanamori, Iwao: *See—*
Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
Yamasita, Nobuo; Kanamori, Iwao; and Hattori, Shinichiro, 4,801,792, Cl. 250-205.000.
Kanamori, Jun, to Oki Electric Industry Co., Ltd. Process for fabricating a semiconductor device. 4,857,477, 8-15-89, Cl. 437-47.000.
Kanamori, Masaaki: *See—*
Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
Kanamori, Osamu, to Mitsubishi Denki Kabushiki Kaisha. Balustrade structure for curved escalator. 4,889,222, 12-26-89, Cl. 198-328.000.
Kanamori, Shigeo, to Toa Medical Electronics Co. Ltd. Particle size distribution analysis. 4,817,446, 4-4-89, Cl. 73-865.500.

Kanamori, Takashi: *See—*
  Nakamori, Tomohiro; Tsuruoka, Taiji; Shibata, Susumu; and Kanamori, Takashi, 4,849,605, Cl. 219-216.000.
Kanamori, Toshiya: *See—*
  Mizobuchi, Shotaro; Kanamori, Toshiya; Sasaki, Katsumi; Chiba, Katsutoshi; and Kimura, Yoshikazu, 4,820,949, Cl. 310-90.000.
Kanamori, Yuji: *See—*
  Kobari, Katsuo; Ota, Naoto; Suzuki, Naoyuki; and Kanamori, Yuji, 4,863,389, Cl. 439-83.000.
Kanamoto, Takashi, to NEC Corporation. Gas laser tube having a slotted anode. 4,856,016, 8-8-89, Cl. 372-87.000.
Kanamoto, Yoshifumi: *See—*
  Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kato, Yoshiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshifumi, 4,822,791, Cl. 514-212.000.
Kanao, Hidetsugu: *See—*
  Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
Kanao, Shiro Pressure-withstanding pipe. 4,796,672, 1-10-89, Cl. 138-154.000.
Kanao, Shiro. Flexible pipe. 4,800,928, 1-31-89, Cl. 138-122.000.
Kanao, Shiro. Method of manufacturing pressure withstanding pipe. 4,830,694, 5-15-89, Cl. 156-143.000.
Kanao, Shiro. Flexible hard pipe. 4,862,924, 9-5-89, Cl. 138-144.000.
Kanapa, Dorothy J., to Zero Information Based/Science Productivity Systems, Inc. Method and kit for learning science as a language. 4,820,165, 4-11-89, Cl. 434-276.000.
Kanari, Masato: *See—*
  Takamizawa, Minoru; Umemura, Mitsuo; Kanari, Masato; Takeda, Yoshihumi; and Hayashida, Akira, 4,870,035, Cl. 501-88.000.
Kanasaki, Morio: *See—*
  Mishima, Tadaaki; Kanasaki, Morio; Takatoo, Masao; Fujiwara, Kazunori; and Kobayashi, Yoshiki, 4,823,194, Cl. 358-282.000.
Kanasashi, Hisahito: *See—*
  Kato, Satoshi; and Kanasashi, Hisahito, 4,886,082, Cl. 134-60.000.
Kanasashi, Toshio, to Usui Kokusai Sangyo Kabushiki Kaisha. Multi-layered coated corrosion resistant steel material. 4,849,301, 7-18-89, Cl. 428-623.000.
Kanasugi, Mikiko: *See—*
  Abe. Toshiyuki; Kikkawa, Katsumasa; Gonda, Michihiro; Sensui, Hideyuki; and Kanasugi, Mikiko, 4,839,334, Cl. 503-221.000.
Kanasugi, Toshihiko: *See—*
  Nagaoka, Kazuo; Wakabayashi, Sadao; Kanasugi, Toshihiko; and Hatano, Tadao, 4,843,729, Cl. 33-708.000.
Kanatani, Yoshiharu: *See—*
  Harada, Shigeyuki; Ohba, Toshihiro; Kanatani, Yoshiharu; and Uede, Hisashi, 4,866,348, Cl. 315-169.300.
  Ohba, Toshihiro; Kinoshita, Hiroshi; Kanatani, Yoshiharu; and Uede, Hisashi, 4,801,920, Cl. 340-781.000.
Kanato, Yuji; and Mukai, Nakashiro, to Iseki & Co., Ltd. Tractor and implement with implement inclination control. 4,825,956, 5-2-89, Cl. 172-2.000.
Kanauchi, Shushi, to NEC Corporation. Output circuit having a broad dynamic range. 4,806,798, 2-21-89, Cl. 307-448.000.
Kanauchi, Shushi, to NEC Corporation. Delay circuit. 4,837,466, 6-6-89, Cl. 307-605.000.
Kanaya, Kazuo: *See—*
  Kiyoura, Tadamitsu; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,822,589, Cl. 423-502.000.
  Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,828,815, Cl. 423-502.000.
Kanaya, Koichi, to Ricoh Company, Ltd. Paper feed control device for copier. 4,815,725, 3-28-89, Cl. 271-258.000.
Kanaya, Masayuki; Masuda, Toshiyuki; and Yamada, Osamu, to Matsushita Electric Works, Ltd. Frame assembly for mounting wiring devices to panel. 4,810,842, 3-7-89, Cl. 200-295.000.
Kanaya, Yasuhiko: *See—*
  Arai, Kunio; Nishiyama, Hiromi; Aoyama, Hiroshi; and Kanaya, Yasuhiko, 4,872,787, Cl. 408-1.00R.
  Saitoh, Kunio; Ohtani, Tamio; and Kanaya, Yasuhiko, 4,867,297, Cl. 198-346.200.
Kanayachi, Kiyoshi, to Oki Electric Industry Co., Ltd. Voucher issuing device and a method of automatically loading continuous voucher forms. 4,844,369, 7-4-89, Cl. 242-56.00R.
Kanayama, Akira: *See—*
  Okamoto, Kazuhiko; and Kanayama, Akira, 4,872,139, Cl. 365-52.000.
Kanayama, Atsushi: *See—*
  Sakon, Ichiro; Sekiguchi, Masao; and Kanayama, Atsushi, 4,879,067, Cl. 252-609.000.
Kanayama, Hiroo: *See—*
  Kobori, Takuji; Kanayama, Hiroo; Sakamoto, Mitsuo; Yamada, Shunichi; and Kamagata, Shuichi, 4,799,339, Cl. 52-1.000.
Kanayama, Hiroshi: *See—*
  Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,822,059, Cl. 277-152.000.
  Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,834,397, Cl. 277-152.000.

Kanayama, Ikuo: *See—*
  Hayashi, Toshihide; Kanayama, Ikuo; and Kanno, Masayoshi, 4,809,325, Cl. 380-20.000.
Kanayama, Masaaki: *See—*
  Fujita, Hisanori; Kanayama, Masaaki; and Okano, Takeshi, 4,865,655, Cl. 148-33.000.
Kanayama, Shoichi, to Kabushiki Kaisha Toshiba. Magnetic resonance apparatus. 4,871,968, 10-3-89, Cl. 324-318.000.
Kanayama, Toshihiko; and Itoh, Junji, to Agency of Industrial Science and Technology. Relative-displacement measurement method. 4,815,850, 3-28-89, Cl. 356-349.000.
Kanayama, Toshiji: *See—*
  Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
Kanayama, Toshikiyo, to Fuji Photo Film Co., Ltd. LED array with graduated quantity control. 4,855,760, 8-8-89, Cl. 346-108.000.
Kanayama, Yutaka, to Kanayama, Yutaka; and Glory Kogyo Kabushiki Kaisha. Locomotion-command method for mobile robots. 4,875,172, 10-17-89, Cl. 364-513.000.
Kanazaki, Mikio: *See—*
  Kubo, Kiichirou; Kanazaki, Mikio; and Toma, Shinobu, 4,826,297, Cl. 350-339.00R.
Kanazawa, Fumio: *See—*
  Fujii, Haruki; Miyawaki, Isao; Sakai, Motoomi; Kanazawa, Fumio; and Watanabe, Tadahiko, 4,863,794, Cl. 428-325.000.
Kanazawa, Hideki. Cover plate retaining structure. 4,881,860, 11-21-89, Cl. 411-55.000.
Kanazawa, Hiroshi: *See—*
  Masimo, Tamon; Kanazawa, Hiroshi; Masuzaki, Hidefumi; and Ito, Satoshi, 4,831,368, Cl. 340-720.000.
Kanazawa, Hirotaka; Kawasaki, Shunsuke; Furutani, Shigeki; and Miyoshi, Akihiko, to Mazda Motor Corporation. Vehicle steering system. 4,805,939, 2-21-89, Cl. 280-91.000.
Kanazawa, Hirotaka; Marumoto, Akira; and Tsuji, Kouji, to Mazda Motor Corporation. Vehicle body assembly used in common for two-wheel-and four-wheel-steering vehicles. 4,817,986, 4-4-89, Cl. 280-781.000.
Kanazawa, Hirotaka; Note, Koushun; Nakashima, Yasuhiro; Mukai, Yoshiaki; Sakamoto, Shunji; and Okamizu, Shigeo, to Mazda Motor Corporation. Method of incorporating four-wheel steering system in vehicle and four-wheel steering system. 4,854,410, 8-8-89, Cl. 180-140.000.
Kanazawa, Hirotaka; Note, Koushun; and Nakashima, Yasuhiro, to Mazda Motor Corporation. Four-wheel steering apparatus for vehicle. 4,881,613, 11-21-89, Cl. 180-140.000.
Kanazawa, Hirotaka: *See—*
  Furutani, Shigeki; Kanazawa, Hirotaka; Takatani, Teruhiko; and Masumoto, Hideharu, 4,828,064, Cl. 180-140.000.
  Hirabayashi, Shigefumi; Nakajima, Toshio; and Kanazawa, Hirotaka, 4,840,243, Cl. 180-140.000.
  Mukai, Yoshiaki; Kanazawa, Hirotaka; Note, Koushun; and Nakashima, Yasuhiro, 4,834,406, Cl. 280-91.000.
Kanazawa, Kazuo, to Fuji Jukogyo Kabushiki Kaisha. Fluid operated multiple-disk friction clutch. 4,834,229, 5-30-89, Cl. 192-85.0AA.
Kanazawa, Kenichi: *See—*
  Obana, Bunichi; and Kanazawa, Kenichi, 4,882,766, Cl. 455-207.000.
Kanazawa, Manabu; and Odagawa, Kazuyoshi, to Canon Kabushiki Kaisha. External pack connector. 4,801,272, 1-31-89, Cl. 439-153.000.
Kanazawa, Masaru: *See—*
  Kondo, Tatsuhiko; Seo, Kenzo; Itoh, Shinetsu; Kanazawa, Masaru; and Okada, Kiyotaka, 4,807,040, Cl. 358-233.000.
Kanazawa, Motoki: *See—*
  Kitamura, Satoshi; Tobita, Takashi; Kanazawa, Motoki; and Shiozaki, Masahiro, 4,803,288, Cl. 549-267.000.
Kanazawa, Takashi, to NEC Corporation. Memory initialization system. 4,831,513, 5-16-89, Cl. 364-200.000.
Kanazawa, Takashi, to NEC Corporation. Scan-path self-testing circuit for logic units. 4,868,414, 9-19-89, Cl. 307-244.000.
Kanazawa, Teiichi: *See—*
  Iwai, Kazuo; Kanazawa, Teiichi; and Oyaizu, Yoshijiro, 4,869,91 Cl. 428-407.000.
Kanazawa, Tsukasa: *See—*
  Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Koji, 4,839,879, Cl. 369-54.000.
Kanazawa University: *See—*
  Bessho, Kazuo, and Yamada, Sotoshi, 4,855,703, Cl. 335-296.000.
  Bessho, Kazuo; and Yamada, Sotoshi, 4,857,874, Cl. 335-296.000.
  Bessho, Kazuo, 4,879,539, Cl. 335-299.000.
Kanazawa, Yasunori; Arai, Haruo; and Kuwa, Tadahiro, to Hitachi Maxell, Ltd. Disc cartridge. 4,799,123, 1-17-89, Cl. 360-133.000.
Kanazawa, Yasunori; Nakamori, Yoshiyuki; Kuwa, Tadahiro; Fujimoto, Nobuyuki; and Abe, Shinichi, to Hitachi Maxell, Ltd.; and Hitachi, Ltd. Shutter assembled disc cartridge. 4,811,151, 3-7-89, Cl. 360-133.000.
Kanazawa, Yuzo, to Ikeda Bussan Co., Ltd. Reclining device of seat. 4,801,177, 1-31-89, Cl. 297-367.000.
Kanazawa, Yuzo; and Mathubara, Tomoki, to Ikeda Bussan Co., Ltd. Method of producing outer cushion layer of seatback. 4,849,06 7-18-89, Cl. 156-267.000.
Kanbara, Koji, to Olympus Optical Co., Ltd. Flexible tube assembly for endoscope. 4,805,595, 2-21-89, Cl. 128-4.000.

Kanbara, Koji: *See—*
  Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki. Endoscope system. 4,870,950, 10-3-89, Cl. 128-6.000.
Kanbara, Masahiro: *See—*
  Numakura, Toshihiko; and Kanbara, Masahiro, 4,851,928, Cl. 358-330.000.
Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, to Sumitomo Metal Industries, Ltd. Process and apparatus for direct softening heat treatment of rolled wire rods. 4,834,345, 5-30-89, Cl. 266-105.000.
Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, to Sumitomo Metal Industries, Ltd. Process for direct softening heat treatment of rolled wire rods. 4,881,987, 11-21-89, Cl. 148-12.00B.
Kanbayashi, Hideyuki, to Minolta Camera Kabushiki Kaisha. Apparatus for detecting image density in an image-forming machine. 4,796,065, 1-3-89, Cl. 355-14.00E.
Kanbe, Hideo: *See—*
  Kato, Yasaburo; Suzuki, Toshihiko; Isawa, Nobuyuki; Kanbe, Hideo; and Hamasaki, Masaharu, 4,836,788, Cl. 437-017.000.
Kanbe, Junichiro: *See—*
  Kaneko, Shuzo; Toyono, Tsutomu; and Kanbe, Junichiro, 4,796,980, Cl. 350-350.00S.
  Katagiri, Kazuharu; Yoshinaga, Kazuo; Okada, Shinjiro; and Kanbe, Junichiro, 4,844,597, Cl. 350-350.00S.
  Misumi, Teruo; Ogawa, Kyosuke; Kanbe, Junichiro; Saitoh, Keishi; Onato, Yoichi; and Shirai, Shigeru, 4,795,688, Cl. 430-65.000.
  Mouri, Akihiro; Toyono, Tsutomu; Kaneko, Shuzo; Inaba, Yutaka; and Kanbe, Junichiro, 4,836,656, Cl. 350-350.00S.
  Okada, Shinjiro; and Kanbe, Junichiro, 4,800,382, Cl. 340-784.000.
Kanbe, Katunori: *See—*
  Yamatoh, Kouhei; Ogura, Masami; Kanbe, Katunori; and Isogai, Yuji, 4,854,424, Cl. 188-72.100.
Kanbe, Masato: *See—*
  Kuwabara, Hedeki; Kitagawa, Atusi; and Kanbe, Masato, 4,822,542, Cl. 264-50.000.
Kanbe, Sadao: *See—*
  Toki, Motoyuki; Kanbe, Sadao; Miyashita, Satoru; and Takeuchi, Tetsuhiko, 4,801,318, Cl. 65-18.100.
Kanbe, Yoshiaki: *See—*
  Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
Kanber, Hilda; and Chen, James C., to Hughes Aircraft Company. Method for fabricating varactor diodes using ion implanation. 4,876,211, 10-24-89, Cl. 437-22.000.
Kanda, Hajime: *See—*
  Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
Kanda, Hitoshi; and Kato, Masayoshi, to Canon Kabushiki Kaisha. Process for size separating toner particles. 4,802,977, 2-7-89, Cl. 209-143.000.
Kanda, Hitoshi; and Kato, Masayoshi, to Canon Kabushiki Kaisha. Process for producing toner for developing electrostatic images and apparatus therefor. 4,844,349, 7-4-89, Cl. 241-19.000.
Kanda, Hitoshi: *See—*
  Hyosu, Yoshihiko; Ikeda, Takeshi; Kanda, Hitoshi; Mori, Hiromi; Kawakami, Hiroaki; and Kobayashi, Kuniko, 4,816,366, Cl. 430-137.000.
Kanda, Kazunori; Urano, Satoshi; Aoki. Kei; and Muramoto, Hisaichi, to Nippon Paint Co., Ltd. Reactive, acrylic resin micro-particles, their preparation and curable composition containing the same. 4,820,777, 4-11-89, Cl. 525-291.000.
Kanda, Kazunori; Muramoto, Hisaichi; Saito, Koichi; and Ishikura, Shinichi, to Nippon Paint Co., Ltd. Electrodeposition coating composition. 4,869,796, 9-26-89, Cl. 204-181.600.
Kanda, Kazunori: *See—*
  Yamada, Mitsuo; Kanda, Kazunori; Shirakawa, Shinsuke; Umemoto, Hirotoshi; and Mizuguchi, Ryuzo, 4,829,105, Cl. 523-415.000.
  Yamamori, Naoki; and Kanda, Kazunori, 4,820,748, Cl. 523-122.000.
  Yamamori, Naoki; and Kanda, Kazunori, 4,835,231, Cl. 526-240.000.
Kanda, Kouji, to Kanda Optical Co., Ltd. Collapsible spectacles. 4,820,035, 4-11-89, Cl. 351-153.000.
Kanda, Kouji, to Kanda Optical Co., Ltd. Optical device for precision work. 4,886,340, 12-12-89, Cl. 350-145.000.

Kanda, Masahiko: *See—*
  Cho, Yoshio; and Kanda, Masahiko, 4,832,035, Cl. 128-633.000.
  Takatani, Setsuo; Awau, Kunio; and Kanda, Masahiko, 4,867,557, Cl. 356-41.000.
Kanda, Masahiro: *See—*
  Minamikata, Hajime; Kanno, Toshiaki; Kanda, Masahiro; and Ushijima, Hitoshi, 4,855,119, Cl. 423-346.000.
  Mochizuki, Shigehiko; Kanda, Masahiro; and Serizawa, Yoshinori, 4,880,389, Cl. 439-125.000.
  Yagi, Kiyoshi; Kanno, Toshiaki; Kanda, Masahiro; and Nomura, Izumi, 4,837,282, Cl. 525-265.000.
Kanda, Masanori: *See—*
  Nakagawa, Hiroyoshi; Nishi, Eiichi; and Kanda, Masanori, 4,846,897, Cl. 148-251.000.
Kanda, Masao, to Pioneer Electronic Corporation. Videodisk player. 4,800,445, 1-24-89, Cl. 358-342.000.
Kanda, Masao, to Pioneer Electronic Corporation. Information reproducer. 4,884,150, 11-28-89, Cl. 358-327.000.
Kanda, Masao: *See—*
  Okano, Takashi; Akiyama, Toru; and Kanda, Masao, 4,853,781, Cl. 358-148.000.
  Okano, Takashi; Akiyama, Toru; and Kanda, Masao, 4,853,914, Cl. 369-32.000.
Kanda, Minoru: *See—*
  Abiko, Toshio; Tsukamoto, Katsuya; Inoue, Hiroo; Fujii, Yasuhiro; Kanda, Minoru; and Miyachi, Nobuaki, 4,816,835, Cl. 343-700.0MS.
  Yabu, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Minoru; Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsugu; Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 343-700.0MS.
Kanda, Motoya: *See—*
  Mitsuyasu, Kiyoshi; Kanda, Motoya; Takeno, Kazuta; and Kochiwa, Kenichi, 4,849,312, Cl. 429-217.000.
Kanda, Naoya: *See—*
  Toda, Gyozo; Kuroki, Takashi; Ishihara, Shousaku; Kanda, Naoya; and Fujita, Tsuyoshi, 4,817,276, Cl. 29-830.000.
Kanda, Nobuo; Abe, Yukihiro; and Kondo, Mitsuru, to Kanzaki Paper Manufacturing Co., Ltd. Heat-sensitive recording material using chromeno compound. 4,803,193, 2-7-89, Cl. 503-209.000.
Kanda Optical Co., Ltd.: *See—*
  Kanda, Kouji, 4,820,035, Cl. 351-153.000.
  Kanda, Kouji, 4,886,340, Cl. 350-145.000.
Kanda, Ryoichi; and Sato, Takeshi, to Kabushiki Kaisha Toshiba. Ultrasonic imaging apparatus. 4,844,083, 7-4-89, Cl. 128-661.010.
Kanda, Ryouji, to Tokai Rubber Industries, Ltd.; and Nissan Motor Company, Limited. Elastic bushing filled with viscous fluid. 4,854,561, 8-8-89, Cl. 267-140.100.
Kanda, Ryouji, to Tokai Rubber Industries, Ltd. Fluid-filled resilient bushing having damping means within fluid chambers. 4,856,764, 8-15-89, Cl. 267-140.100.
Kanda, Ryouji, to Tokai Rubber Industries, Ltd. Fluid-filled resilient bushing. 4,871,151, 10-3-89, Cl. 267-140.100.
Kanda, Ryouji, to Tokai Rubber Industries, Ltd. Elastic bushing having fluid chamber filled with highly viscous fluid. 4,883,260, 11-28-89, Cl. 267-140.100.
Kanda, Shigeru; Shibata, Manabu; Ono, Masayoshi; and Okano, Michikazu, to Nihon Tokushu Toryo Co., Ltd.; and Hirotani Co., Ltd. Composition particularly adapted to damping sheets for vehicles. 4,838,939, 6-13-89, Cl. 106-281.100.
Kanda, Shigeto, to Canon Kabushiki Kaisha. Method and apparatus for reproducing recorded information by processing plural read-out signals obtained from plural sources acting on an information carrying member. 4,831,613, 5-16-89, Cl. 369-109.000.
Kanda, Shinji: *See—*
  Maruyama, Tsugito; Kanda, Shinji; and Hanahara, Keishi, 4,846,576, Cl. 356-376.000.
Kanda, Shoichi; and Kawamura, Zengiro, to Nitto Chemical Industry Co., Ltd. Stabilization of xanthan gum in aqueous solution. 4,810,786, 3-7-89, Cl. 536-114.000.
Kanda, Takeshi: *See—*
  Yasuno, Hiroshi; Sakatani, Fumio; and Kanda, Takeshi, 4,883,575, Cl. 204-198.000.
Kanda, Taketoshi: *See—*
  Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
  Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
  Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.
Kanda, Toshihisa: *See—*
  Hashimoto, Koji; Kanda, Toshihisa; Kawashima, Asahi; and Asami, Katsuhiko, 4,868,073, Cl. 429-40.000.

Kanda, Yuichi: *See—*
- Toyoda, Kenichi; Mizuno, Tohru; Torii, Nobutoshi; Kanda, Yuichi; and Morikawa, Shigehiro, 4,857,700, Cl. 219-124.340.

Kanda, Yutaka: *See—*
- Kasai, Masaji; Kanda, Yutaka; Kono, Motomichi; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,880,825, Cl. 514-409.000.

Kandachi, Mitsuo: *See—*
- Yamanoi, Tukio; Kandachi, Mitsuo; Iwata, Masahiro; and Kato, Kazumi, 4,860,568, Cl. 72-291.000.

Kandalgaonkar, Jayant B.: *See—*
- MacDonald, Peter G.; Spinelli, Giuseppe; and Kandalgaonkar, Jayant B., 4,848,057, Cl. 52-518.000.

Kandarian, Richard, to Michigan Drill Corporation. Cutting tool assembly. 4,826,367, 5-2-89, Cl. 408-225.000.

Kandarian, Richard. Method and apparatus for cutting. 4,830,548, 5-16-89, Cl. 408-1.00R.

Kandathil, Thomas V., to S. C. Johnson & Son, Inc. Wash-added, rinse-activated fabric conditioner and package. 4,795,032, 1-3-89, Cl. 206 634.000.

Kandatsu, Kiyoshi, to Fuji Electric Co., Ltd. Contactor apparatus. 4,853,662, 8-1-89, Cl. 335-185.000.

Kandatsu, Kiyoshi, to Fuji Electric Co., Ltd. Contactor device fo circuit breaker. 4,864,261, 9-5-89, Cl. 335-16.000.

Kandatsu, Kiyoshi; Yamazaki, Makoto; and Kinota, Hiroshi, to Fuji Electric Co., Ltd. Contactor device for circuit breaker. 4,880,948, 11-14-89, Cl. 200-151.000.

Kandetzke, Steven M.: *See—*
- Anderson, Herbert R., Jr.; Divakaruni, Renuka S.; Dynys, Joseph M.; Kandetzke, Steven M.; Kirby, Daniel P.; Master, Raj N.; and Casey, Jon A., 4,885,038, Cl. 156-89.000.
- Araps, Constance J.; Kandetzke, Steven M.; and Takacs, Mark A., 4,871,619, Cl. 428-473.500.

Kandler, Joachim: *See—*
- Hausdorf, Jorg; Kandler, Joachim; and Siekermann, Volker, 4,799,967, Cl. 134-38.000.

Kandler, Walter: *See—*
- Seidel, Werner; and Kandler, Walter, 4,868,978, Cl. 29-835.000.

Kandler, Wilfried H. K.: *See—*
- Elsner, Hans F. K.; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, 4,841,102, Cl. 174-35.0GC.
- Prott, Albert; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, 4,825,015, Cl. 174-35.0GC.

Kandler, William C., to Tecumseh Products Company. Inline counterbalance weight system for a single cylinder engine. 4,800,852, 1-31-89, Cl. 123-192.00B.

Kando, Akiyoshi, to Yoshida Kogyo K. K. Parts supply hopper. 4,852,771, 8-1-89, Cl. 222-169.000.

Kando, Yasuhiko: *See—*
- Nakagomi, Tamihito; Kando, Yasuhiko; and Hasegawa, Shinji, 4,815,825, Cl. 350-337.000.

Kandpal, Pramode C., to Rockwell International Corporation. Broadband signal frequency multiplier apparatus using dielectric resonator means. 4,806,891, 2-21-89, Cl. 333-218.000.

Kane, Daniel E.: *See—*
- Burke, William F.; and Kane, Daniel E., 4,859,142, Cl. 415-116.000.
- Shook, Paul S.; and Kane, Daniel E., 4,826,397, Cl. 415-116.000.

Kane, Jerry A.: *See—*
- Hopwood, Francis W.; Kane, Jerry A.; Ioannidis, George A.; and Decker, Martin J., 4,847,624, Cl. 342-201.000.

Kane, John P., to Allied Automation Systems, Inc. Single bead tire mounter. 4,800,944, 1-31-89, Cl. 157-1.220.

Kane-M Industrial Co., Ltd.: *See—*
- Shimada, Tsuneyuki; and Iguchi, Masaru, 4,847,959, Cl. 24-671.000.

Kane, Mark E.; Shockley, James F.; and Eck, Henry H., to Pulse Electronics, Inc. Multilingual code receivers. 4,885,689, 12-5-89, Cl. 364-424.010.

Kane, Mark K.; and Martin, Gregory C., to Pulse Electronics, Inc. Initial terminal tester. 4,847,770, 7-11-89, Cl. 364-426.050.

Kane, Martin, to K-Flow, a division of Kane Steel Company, Inc. Dual flexures for coriolis type mass flow meters. 4,856,346, 8-15-89, Cl. 73-861.380.

Kane, Richard; Meyerhoefer, Carl; Miller, David C.; and Pendleton, Thomas J., to Mobil Oil Corporation. Waste container and adjustable bag liner package holder combination. 4,858,781, 8-22-89, Cl. 220-407.000.

Kane, Robert C., to Motorola, Inc. Linear microwave attenuator. 4,816,790, 3-28-89, Cl. 333-81.00B.

Kane, Robert F.; Portugal, Joseph J.; and Kuzniar, Pual S., to Sandvik Rock Tools, Inc. Rock drilling bit and a method of producing the same. 4,867,015, 9-19-89, Cl. 76-108.00A.

Kane, Robert J. Can crusher. 4,827,840, 5-9-89, Cl. 100-280.000.

Kane, Thomas J., to Light Wave Electronics Co. Solid state optical ring resonator and laser using same. 4,797,896, 1-10-89, Cl. 372-94.000.

Kane, Thomas J., to Lightwave Electronics Corporation. Piezoelectrically tuned optical resonator and laser using same. 4,829,532, 5-9-89, Cl. 372-20.000.

Kaneaki, Atsuhiko: *See—*
- Sugano, Mitsutoshi; Uchida, Toshiya; Tokita, Shigeru; Kaneaki, Atsuhiko; and Shimada, Shigeho, 4,865,249, Cl. 236-92.00C.

Kanebo, Ltd.: *See—*
- Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.
- Iemura, Ryuichi; Hori, Manabu; Ohtaka, Hiroshi; Sukamoto, Takayuki; Hara, Hideaki; and Ito, Keizo, 4,877,790, Cl. 514-260.000.
- Kajiura, Toshihiro; Oita, Norio; Abe, Junnosuke; and Sugiyama, Seiji, 4,830,194, Cl. 209-580.000.
- Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.
- Kushimoto, Toshihiro; Ozawa, Yoshimichi; and Izawa, Nobuo, 4,818,808, Cl. 528-275.000.
- Maeda, Masao; Fukuse, Michiyo; Miyaaki, Tohru; and Miyake, Toshio, 4,889,728, Cl. 426-5.000.
- Mori, Kenji; Morita, Kazuyoshi; Takemoto, Shizume; Nagasawa, Hisanao; Ohtani, Yasuhisa; Matsui, Masashi; and Arai, Sohichi, 4,826,818, Cl. 514-21.000.
- Murakami, Sanpei; Miyaaki, Tohru; Imahori, Tokio; Ogata, Koichi; and Hagita, Hidenari, 4,855,146, Cl. 426-5.000.
- Nakahara, Shuichi; Koide, Toru; Kaimori, Michinobu; Kitamura, Kenji; and Matsumoto, Satoshi, 4,843,670, Cl. 8-151.000.
- Ohtaka, Hiroshi; Yoshida, Kenji; Suzuki, Kenji; Shimohara, Koichi; Tajima, Sigeru; and Ito, Keizo, 4,797,400, Cl. 514-255.000.
- Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,808,584, Cl. 514-229.500.
- Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,853,469, Cl. 544-99.000.
- Tomita, Yoji; Oishi, Eiichi; Miyaji, Hiroshi; Morimoto, Hiroya; Sekigawa, Tetsuo; and Mitsuhashi, Kenichi, 4,836,917, Cl. 210-104.000.

Kaneda, Aizo: *See—*
- Murakoshi, Takeo; Yoshii, Masaki; Tohyama, Shigeo; Minakawa, Sadao; and Kaneda, Aizo, 4,810,089, Cl. 356-35.000.
- Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsoh, 4,802,831, Cl. 418-55.000.

Kaneda, Hiroshi: *See—*
- Ishiharada, Minoru; Chikaraishi, Toshio; Kaneda, Hiroshi; and Tomita, Seisuke, 4,830,461, Cl. 350-96.290.

Kaneda, Hiroyuki: *See—*
- Takeda, Akihiko; Kaneda, Hiroyuki; and Suzuki, Shigeru, 4,889,079, Cl. 123-41.82R.

Kaneda, Jeiji: *See—*
- Jefson, Martin R.; Kaneda, Jeiji; Nishiyama, Satoshi; and Tone, Junsukse, 4,847,245, Cl. 514-54.000.

Kaneda, Kichizo, to K. Biological Science Laboratory Co., Ltd. Process for preparing soybean food products. 4,798,734, 1-17-89, Cl. 426-565.000.

Kaneda, Mitsuharu. Positive shut-off power assisted brakes. 4,865,164, 9-12-89, Cl. 188-141.000.

Kaneda, Osamu: *See—*
- Ikeno, Masahiko; Kawashima, Hiroshi; and Kaneda, Osamu, 4,886,012, Cl. 118-667.000.

Kaneda, Saburo; and Murakami, Kazuaki, to Fujitsu Limited. Computer system for controlling virtual machines. 4,860,190, 8-22-89, Cl. 364-200.000.

Kaneda, Setsuo: *See—*
- Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Kaneda, Setsuo; and Yoshida, Yashutoshi, 4,796,439, Cl. 62-159.000.
- Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, 4,843,832, Cl. 62-159.000.

Kaneda, Teruhisa: *See—*
- Matsumoto, Mitsuo; and Kaneda, Teruhisa, 4,837,268, Cl. 524-539.000.
- Matsumoto, Mitsuo; and Kaneda, Teruhisa, 4,851,503, Cl. 528-176.000.

Kaneda, Tokuya; Saito, Akira; Watanabe, Masateru; Osumi, Tomoji; and Suzuki, Nobuo, to Hitachi, Ltd. Correcting for comatic aberration in an optical head of an optical disk apparatus. 4,807,212, 2-21-89, Cl. 369-44.000.

Kaneda, Tokuzo, to Ricoh Company, Ltd. Image processing apparatus. 4,879,580, 11-7-89, Cl. 355-295.000.

Kaneda, Toshio: *See—*
- Ukaji, Shiroh; Kimura, Hisao; Urata, Kenji; and Kanoda, Toshio, 4,859,824, Cl. 219-69.150.

Kanefusa Hamono Kogyo Company Limited: *See—*
- Fujiyoshi, Yoshihisa, 4,794,835, Cl. 83-835.000.

Kanegae, Hidetoshi; Tomikashi, Minoru; and Hino, Akira, to Nissan Motor Company Limited. Automotive vehicle trouble checking apparatus. 4,839,811, 6-13-89, Cl. 364-424.030.

Kanegae, Junji: *See—*
- Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Baba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanegae, Junji, 4,882,192, Cl. 426-607.000.

Kanegae, Yukihiro, Sugiyama, Yoshio; and Minami, Kazuhiro, to Takeda Chemical Industries, Ltd. Method for producing yeast extract. 4,810,509, 3-7-89, Cl. 426-60.000.

Kanegafuchi Chemical Industry Co., Ltd.: *See—*
- Hashiguchi, Yoshiyuki; Kishi, Masakiti; and Yagyu, Takehiko, 4,870,143, Cl. 526-70.000.
- Hirose, Toshifumi; Yukimoto, Sadao; and Isayama, Katsuhiko, 4,837,401, Cl. 525-364.000.
- Iwahara, Takahisa; and West, Robert C., 4,845,255, Cl. 556-406.000.
- Komabashiri, Takamichi; Mitani, Toragoro; Yamauchi, Hiroaki; and Yasui, Hideo, 4,863,524, Cl. 134-22.190.
- Nagano, Hirosaku; Kawai, Hideki; and Akahori, Kiyokazu, 4,886,874, Cl. 528-353.000.
- Shimazu, Kikuo; Suzuki, Kazuo; Shiraki, Manabu; and Miyao, Osami, 4,836,631, Cl. 350-6.800.
- Shimizu, Isamu; and Yamaguchi, Minori, 4,839,240, Cl. 428-635.000.
- Takada, Jun, 4,855,950, Cl. 365-113.000.
- Tawada, Yoshihisa, 4,804,608, Cl. 430-85.000.

Kanegafuchi Kagaki Kogyo Kabushiki Kaisha: *See—*
- Masuhara, Shohei, 4,810,469, Cl. 422-26.000.

Kanegafuchi Kagaku Kogyo Kabushiki Kaisha: *See—*
- Dairaku, Kazuo, 4,865,995, Cl. 436-94.000.
- Deguchi, Yoshikuni; Iwakiri, Hiroshi; Iwamoto, Kazunari; and Yonezawa, Kazuya, 4,847,395, Cl. 549-552.000.
- Furukawa, Hisao; Ando, Naotami; and Kato, Yasushi, 4,801,658, Cl. 525-450.000.
- Furukawa, Hisao; and Kawamura, Jo, 4,810,767, Cl. 526-279.000.
- Furuyoshi, Shigeo; and Tani, Nobutaka, 4,814,077, Cl. 210-266.000.
- Fushiki, Yasuo; Isshiki, Minoru; Nakano, Hiroshi; Oizumi, Masayuki; Shimomura, Masayoshi; and Imajo, Keiji, 4,803,115, Cl. 428-285.000.
- Hamaguchi, Shigeki; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,863,859, Cl. 435-130.000.
- Hamakawa, Yoshihiro; Tawada, Yoshihisa; Tsuge, Kazunori; and Izumina, Masanobu, 4,875,943, Cl. 136-244.000.
- Hatanaka, Minoru, 4,837,343, Cl. 549-291.000.
- Ichibori, Keiji; Matsumoto, Takaharu; and Kanabara, Youichi, 4,863,797, Cl. 428-359.000.
- Kano, Fumihiko; Yamane, Takehiko; Yamashita, Katsuji; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,859,661, Cl. 514-183.000.
- Katayama, Kazuhiko; Hamaguchi, Shigeki; Kogame, Yoshikazu; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,814,506, Cl. 564-292.000.
- Kawakubo, Fumio; Yukimoto, Sadao; and Homma, Michihide, 4,837,274, Cl. 525-100.000.
- Kira, Kazuaki, 4,834,746, Cl. 623-1.000.
- Kira, Kazuaki, 4,857,069, Cl. 623-1.000.
- Kira, Kazuaki, 4,871,361, Cl. 623-1.000.
- Kobayashi, Teiji; Tomishima, Yoshio; Yamamoto, Taizo; and Nojima, Yasuhiro, 4,849,482, Cl. 526-78.000.
- Kutsuki, Hidetoshi; Sawa, Ikuo; Mori, Natsuki; Hasegawa, Junzo; and Watanabe, Kiyoshi, 4,857,468, Cl. 435-280.000.
- Maeda, Hirofumi, 4,830,798, Cl. 264-50.000.
- Maeda, Hirofumi, 4,861,531, Cl. 264-50.000.
- Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, 4,826,904, Cl. 524-314.000.
- Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, 4,880,861, Cl. 524-314.000.
- Nasu, Shogo; and Saiki, Koji, 4,797,330, Cl. 428-694.000.
- Noda, Kouji; Imanaka, Masayoshi; and Isayama, Katsuhiko, 4,870,144, Cl. 526-216.000.
- Nogachi, Takehiko; Takeoka, Yoshiki; and Yamamoto, Tsuneo, 4,832,772, Cl. 156-153.000.
- Nojiri, Hitoshi; Kitai, Katuhiro; Ohnari, Yoshihide; Kidoh, Masaro; and Yamamoto, Tsuneo, 4,808,468, Cl. 428-220.000.
- Ohashi, Takehisa; Kan, Kazunori; Ueyama, Noboru; Sada, Isao; Miyama, Akimasa; and Watanabe, Kiyoshi, 4,861,877, Cl. 540-357.000.
- Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,855,057, Cl. 210-650.000.
- Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,863,590, Cl. 210-93.000.
- Sezaki, Koji; Nagai, Koichi; and Sakauchi, Takashi, 4,879,055, Cl. 252-62.540.
- Shibukawa, Yoshinori; Yasumoto, Taizo; Makiyama, Muneto; Murata, Shouichi; and Kusunoki, Kazuya, 4,865,786, Cl. 264-51.000.
- Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.
- Somemiya, Akiyoshi; and Hirobe, Kazushi, 4,840,984, Cl. 524-394.000.
- Takahashi, Satomi; Yamada, Yukio; Ueda, Yasuyoshi; Katayama, Yasuhiro; Shimada, Yoshio; and Watanabe, Kiyoshi, 4,812,406, Cl. 435-280.000.
- Tawada, Yoshihisa; and Tsuge, Kazunori, 4,825,806, Cl. 118-719.000.
- Tawada, Yoshihisa; Okamoto, Takeo; and Tsuge, Kazunori, 4,869,976, Cl. 427-39.000.
- Tomita, Haruo; and Yonezawa, Kazuya, 4,810,808, Cl. 549-515.000.
- Tsuge, Kazunori; Kuwamura, Shinji; and Tawada, Yoshihisa, 4,862,227, Cl. 357-2.000.
- Uekita, Masakazu, 4,801,420, Cl. 264-298.000.
- Uekita, Masakazu; and Awaji, Hiroshi, 4,822,853, Cl. 528-125.000.
- Uekita, Masakazu; and Awaji, Hiroshi, 4,839,219, Cl. 428-220.000.
- Uekita, Masakazu; and Awaji, Hiroshi, 4,868,281, Cl. 528-353.000.
- Wachi, Shun; Ariki, Yuusaku; and Oshima, Hiroshi, 4,873,384, Cl. 570-247.000.
- Yamamoto, Kenji; Nakayama, Takehisa; and Tawada, Yoshihisa, 4,797,527, Cl. 219-69.00E.
- Yamasaki, Hiroka, 4,868,358, Cl. 219-10.55D.
- Yamauchi, Hiroaki; Mitani, Toragoro; and Komabashiri, Takamichi, 4,795,800, Cl. 528-229.000.
- Yasui, Hideo; Mitani, Toragoro; and Komabashiri, Takamichi, 4,805,650, Cl. 134-57.00R.
- Yoshida, Hiroyuki; and Nakamura, Kyoichi, 4,810,440, Cl. 264-53.000.

Kanehara, Kenji: *See—*
- Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seizi; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, 4,843,882, Cl. 73-204.260.
- Ohta, Minoru; Miura, Kazuhiko; Huzino, Seizi; Kanehara, Kenji; and Hattori, Tadashi, 4,870,860, Cl. 73-204.260.

Kanehara, Mikio: *See—*
- Ichikawa, Hachiro; Oguni, Masanori; Murase, Akira; Horiba, Hazuo; Sakamoto, Kenichi; and Kanehara, Mikio, 4,851,207, Cl. 423-412.000.

Kanehara, Toshihiro: *See—*
- Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.

Kanehira, Katsuyuki; Takayama, Syuichi; Amano, Atsushi; Hibino, Hiroki; Uchiyama, Naoki; and Nakada, Akio, to Olympus Optical Co., Ltd. Thermotherapy apparatus. 4,872,458, 10-10-89, Cl. 128-401.000.

Kanehira, Katsuyuki: *See—*
- Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Kanehira, Makoto: *See—*
- Kotegawa, Katsumi; and Kanehira, Makoto, 4,795,408, Cl. 474-209.000.

Kanehiro, Takashi. Barrel plating apparatus. 4,822,468, 4-18-89, Cl. 204-213.000.

Kanehisa, Osam: *See—*
- Migita, Masahito; Kanehisa, Osam; Shiiki, Masatoshi; and Yamamoto, Hajime, 4,862,033, Cl. 313-502.000.

Kanehisa, Takashi: *See—*
- Ueda, Shuji; Shibuya, Chiuji; Kanehisa, Takashi; Fujishiro, Kenji; and Mochida, Shoro, 4,866,258, Cl. 235-472.000.

Kaneiwa, Shinji; Takiguchi, Haruhisa; Yoshida, Toshihiko; and Matsui, Sadayoshi, to Sharp Kabushiki Kaisha. Semiconductor laser device having a buried heterostructure. 4,799,227, 1-17-89, Cl. 372-46.000.

Kaneiwa, Shinji: *See—*
- Kawanishi, Hidenori; Yamaguchi, Masahiro; Hayashi, Hiroshi; Morimoto, Taiji; and Kaneiwa, Shinji, 4,879,725, Cl. 372-48.000.
- Kudo, Hiroaki; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Yoshida, Toshihiko, 4,805,183, Cl. 372-96.000.
- Matsui, Sadayoshi; Kaneiwa, Shinji; Morimoto, Taiji; Yamaguchi, Masahiro; Taneya, Mototaka; and Matsumoto, Mitsuhiro, 4,853,936, Cl. 372-45.000.
- Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,803,690, Cl. 372-45.000.
- Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,819,240, Cl. 372-26.000.
- Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,842,679, Cl. 156-643.000.
- Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Yoshida, Toshihiko, 4,852,116, Cl. 372-96.000.
- Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; Sakane, Chitose; and Yoshida, Toshihiko, 4,862,472, Cl. 372-45.000.
- Yano, Seiki; Kudo, Hiroaki; Takiguchi, Haruhisa; Hijikata, Toshiki; and Kaneiwa, Shinji, 4,858,215, Cl. 369-45.000.
- Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Matsui, Sadayoshi, 4,806,454, Cl. 430-321.000.
- Yoshida, Toshihiko; Takiguchi, Haruhisa; and Kaneiwa, Shinji, 4,820,019, Cl. 350-163.000.
- Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,839,900, Cl. 372-46.000.
- Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,841,534, Cl. 372-46.000.
- Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Kudo, Hiroaki, 4,849,985, Cl. 372-96.000.

Kanekatsu, Kensuke: *See—*
- Natori, Tatsuo; Hioki, Susumu; Shimaguchi, Takashi; Yamada, Toshihiro; Watanabe, Akihide; and Kanekatsu, Kensuke, 4,812,278, Cl. 264-221.000.

Kaneko, Akira: *See—*
- Kikuchi, Hideo; Tsutsumi, Sadao; and Kaneko, Akira, 4,823,278, Cl. 364-491.000.

Kaneko, Daizo: *See—*
- Hironaka, Masakazu; Yoshiji, Takeo; Kaneko, Daizo; Shibazaki, Mizuo; and Kurata, Sumio, 4,850,102, Cl. 29-787.000.

Kaneko, Eiji: *See—*
- Yanabu, Satoru; Takahashi, Hideomi; Kaneko, Eiji; and Yasuoka, Koichi, 4,841,538, Cl. 372-58.000.

Kaneko, Hideaki: *See—*
  Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, 4,830,101, Cl. 165-133.000.
  Terada, Haruyoshi; Ono, Youji; Satoh, Yokichi; and Kaneko, Hideaki, 4,857,225, Cl. 252-100.000.
Kaneko, Hiroko: *See—*
  Nagashima, Ikuo; Fukui, Jun; Gotoh, Hiroshi; Kaneko, Hiroko; Nozaki, Ken; and Ozawa, Takeo, 4,814,241, Cl. 429-199.000.
Kaneko, Hiromi: *See—*
  Ushiro, Seimei; and Kaneko, Hiromi, 4,799,075, Cl. 354-289.100.
Kaneko, Hiroshi, to International Business Machines Corporation. Variable speed speech synthesis by interpolation between fast and slow speech data. 4,817,161, 3-28-89, Cl. 381-51.000.
Kaneko, Ichiro: *See—*
  Kobayashi, Kenji; Kaneko, Ichiro; Kobayashi, Masahiro; and Nakano, Shinji, 4,877,535, Cl. 210-701.000.
Kaneko, Isao, to Sankyo Company Limited. Human complement factors and their therapeutic use. 4,883,784, 11-28-89, Cl. 514-8.000.
Kaneko, Katsuaki: *See—*
  Hirabayashi, Akio; Kaneko, Katsuaki; and Okazaki, Yoshitake, 4,802,408, Cl. 100-90.000.
Kaneko, Katsuhiro: *See—*
  Takayama, Shinji; Niihara, Toshio; Kaneko, Katsuhiro; and Sugita, Yutaka, 4,880,694, Cl. 428-336.000.
Kaneko, Katsutoshi; Kobayashi, Toshio; and Watari, Mitsuru, to Mitsui Petrochemical Industries, Ltd. Process for preparing two-ply foam molded articles. 4,878,972, 11-7-89, Cl. 156-78.000.
Kaneko, Kazuo; Hatakeyama, Takanobu; Hino, Hirofumi; Uemura, Hideki; and Yamamoto, Kazuo, to Hitachi Medical Corp. Inverter type X-ray apparatus. 4,839,915, 6-13-89, Cl. 378-105.000.
Kaneko, Kazuo: *See—*
  Iwabuchi, Koji; Tawada, Masaharu; Kanagawa, Noriyuki; Aoyama, Mituhiro; Yamazaki, Katsuhiro; and Kaneko, Kazuo, 4,845,327, Cl. 219-10.55F.
Kaneko, Kenichi: *See—*
  Ohara, Mitsuhiro; and Kaneko, Kenichi, 4,841,583, Cl. 4-420.400.
Kaneko, Kenji: *See—*
  Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, 4,809,206, Cl. 364-724.010.
  Nagai, Yasuo; Shimizu, Isao; Kimura, Masatoshi; Kaneko, Kenji; Okabe, Takeaki; and Sakamoto, Koozoo, 4,885,628, Cl. 357-68.000.
  Ueda, Hirotada; Matsushima, Hitoshi; Hagiwara, Yoshimune; and Kaneko, Kenji, 4,821,187, Cl. 364-200.000.
Kaneko, Kiyokazu, to Akebono Brake Industry Co., Ltd. Automatic adjuster for operation gap of brake. 4,852,702, 8-1-89, Cl. 188-196.00D.
Kaneko, Kiyoshi; and Kato, Yoshiaki, to Kabushiki Kaisha Komatsu Seisakusho. Starting speed stage selector in automatic transmission control system. 4,854,194, 8-8-89, Cl. 74-866.000.
Kaneko, Kiyoshi: *See—*
  Kato, Takeo; Kobayashi, Shingo; Takagi, Kazuo; Watanabe, Masahiro; and Kaneko, Kiyoshi, 4,881,173, Cl. 364-431.070.
  Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, 4,886,943, Cl. 178-18.000.
Kaneko, Kiyotaka; Oda, Kazuya; Takahashi, Kimihide; and Miyake, Izumi, to Fuji Photo Film Co. Ltd. Image recording/reproducing apparatus. 4,800,448, 1-24-89, Cl. 360-35.100.
Kaneko, Kiyotaka, to Fuji Photo Film Co., Ltd. Apparatus for displaying an image on a video monitor corresponding to an image being photographed. 4,868,642, 9-19-89, Cl. 358-76.000.
Kaneko, Kiyotaka: *See—*
  Iwase, Yoshiki; Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,804,925, Cl. 329-50.000.
  Miyake, Isumi; Kaneko, Kiyotaka; Konishi, Masahiro; Horio, Motohiko; and Ogata, Kazutsugu, 4,802,020, Cl. 358-342.000.
  Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,803,568, Cl. 360-33.100.
  Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, 4,825,324, Cl. 360-35.100.
  Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, 4,827,332, Cl. 358-29.000.
  Miyake, Izumi; Kaneko, Kiyotaka; Oda, Kazuya; and Nakadai, Katsuo, 4,835,631, Cl. 360-77.040.
  Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,811,133, Cl. 360-77.030.
  Sasaki, Hidemi; Kaneko, Kiyotaka; and Kobayashi, Naoki, 4,835,635, Cl. 360-96.500.
Kaneko, Kouichi; and Matsuzaki, Tsutomu, to Seikosha Co., Ltd. Pendulum device for clocks. 4,829,495, 5-9-89, Cl. 368-134.000.
Kaneko, Kouji: *See—*
  Horio, Motohiko; Kobayashi, Naoki; and Kaneko, Kouji, 4,814,876, Cl. 358-160.000.
Kaneko, Kunishige: *See—*
  Watanabe, Kunio; Nishimura, Satoshi; and Kaneko, Kunishige, 4,869,758, Cl. 148-326.000.
Kaneko, Kyoichi, to Daiwa Seiko Inc. Fishing reel. 4,798,355, 1-17-89, Cl. 242-218.000.
Kaneko, Kyoichi, to Daiwa Seiko, Inc. Twin-bearing type fishing reel. 4,821,978, 4-18-89, Cl. 242-84.10R.
Kaneko, Kyoichi, to Daiwa Seiko, Inc. Fishline slip-off prevention device for a spinning reel. 4,834,311, 5-30-89, Cl. 242-84.10K.
Kaneko, Kyoichi, to Daiwa Seiko, Inc. Apparatus for measuring drag force of fishing reel. 4,840,327, 6-20-89, Cl. 242-217.000.
Kaneko, Kyoichi, to Daiwa Seiko Inc. Spinning reel for fishing. 4,848,695, 7-18-89, Cl. 242-232.000.
Kaneko, Kyoichi, to Daiwa Seiko Inc. Apparatus for folding fishing reel handle. 4,858,845, 8-22-89, Cl. 242-285.000.
Kaneko, Kyoichi, to Daiwa Seiko, Inc. Reel with starting force spring casting. 4,881,697, 11-21-89, Cl. 242-254.000.
Kaneko, Makoto: *See—*
  Ishii, Takatoshi; and Kaneko, Makoto, 4,835,526, Cl. 340-703.000.
Kaneko, Mamoru: *See—*
  Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.
Kaneko, Masaharu; Fujikawa, Kazuhiko; and Okamoto, Tetsuhiko, to Shin Nisso Kako Co., Ltd. Process for preparing phosphonitrile compound having substituted hydroxyl group. 4,864,048, 9-5-89, Cl. 558-93.000.
Kaneko, Masahide; Matsuda, Kiichi; Mukawa, Naoki; and Koga, Toshio, to Kokusai Denshin Denwa Co., Ltd.; Fujitsu Limited; Nippon Telegraph and Telephone Corporation; and NEC Corporation. System for coding and transmitting motion image signals. 4,805,017, 2-14-89, Cl. 358-105.000.
Kaneko, Masahiko, to Citizen Watch Co., Ltd. Computer terminal device for producing different types of buzzer sounds. 4,821,221, 4-11-89, Cl. 364-710.130.
Kaneko, Masanori, to Canon Kabushiki Kaisha. Ink ribbon cassette having mounting means, slack preventing means and multiple ribbon shifting means. 4,798,486, 1-17-89, Cl. 400-208.000.
Kaneko, Masato; Nagakawa, Hiroshi; and Yamashita, Kenichi, to Idemitsu Kosan Company Limited. Refrigerator oil composition. 4,800,030, 1-24-89, Cl. 252-32.500.
Kaneko, Mika: *See—*
  Nemoto, Tsuneo; and Kaneko, Mika, 4,812,937, Cl. 360-133.000.
Kaneko, Mitsuo: *See—*
  Uchida, Kuninobu; Nemoto, Kenji; Nokajima, Kunio; Murata, Nagatoshi; and Kaneko, Mitsuo, 4,805,286, Cl. 29-407.000.
Kaneko, Mitsuyoshi: *See—*
  Maezawa, Akihiko; Nakajima, Yoshio; Kaneko, Mitsuyoshi; and Aoki, Shinji, 4,882,020, Cl. 204-157.300.
Kaneko, Nagao; Wada, Moriyasu; Saitoh, Shiroh; and Honda, Hiroki, to Kabushiki Kaisha Toshiba. Ultrasonic coupling agent. 4,886,06 12-12-89, Cl. 128-660.010.
Kaneko, Noboru: *See—*
  Kobayashi, Kyoji; Kaneko, Noboru; Konishi, Kiyoshi; and Furuya, Takeo, 4,865,151, Cl. 180-179.000.
Kaneko, Nobuyuki; and Kato, Kiichi, to Olympus Optical Co., Ltd. Optical information recording and reproducing apparatus. 4,890,274, 12-26-89, Cl. 369-45.000.
Kaneko, Noriaki: *See—*
  Joh, Yasushi; and Kaneko, Noriaki, 4,822,352, Cl. 623-1.000.
Kaneko, Norio: *See—*
  Shimizu, Akira; and Kaneko, Norio, 4,873,610, Cl. 361-313.000.
Kaneko, Rokusaburo: *See—*
  Ozawa, Yoshio; Yamamoto, Takashi; Shigaki, Takao; and Kaneko, Rokusaburo, 4,876,568, Cl. 355-56.000.
Kaneko, Ryoichi: *See—*
  Sakurai, Shigeo; Umezawa, Sadao; Usami, Saburo; Miyata, Hiroshi; Toriya, Hajime; Tsubouchi, Kuniyoshi; and Kaneko, Ryoichi, 4,875,170, Cl. 364-507.000.
Kaneko, Satoshi: *See—*
  Ohashi, Minoru; Horii, Shoichi; and Kaneko, Satoshi, 4,816,373, Cl. 430-264.000.
Kaneko, Setsuo: *See—*
  Hamaguchi, Tsueno; Hirai, Yoshihiko; and Kaneko, Setsuo, 4,838,654, Cl. 350-333.000.
  Uchida, Hiroyuki; Kaneko, Setsuo; and Okubo, Toshio, 4,827,11 Cl. 250-211.00R.
Kaneko, Shigeru: *See—*
  Eshima, Kiyoshi; Ogawa, Kazuo; and Kaneko, Shigeru, 4,870,07 Cl. 514-255.000.
Kaneko, Shinichi: *See—*
  Sugano, Mitugu; Kaneko, Shinichi; Oka, Mitsunori; Nokina, Kimiya; and Koshimizu, Kazuhiro, 4,797,754, Cl. 360-48.000.
Kaneko, Shinji, to Tokico Ltd. Hydraulic damper. 4,795,010, 1-3-89, Cl. 188-322.190.
Kaneko, Shinji, to Sony Corporation. Video noise reduction system with signal emphasis preceding FM modulation upper-band luminance. 4,802,016, 1-31-89, Cl. 358-315.000.
Kaneko, Shinji; Takanashi, Kenji; and Wakisaka, Yoshiaki, to Sony Corporation. Velocity error correcting circuit for time base error corrector. 4,802,026, 1-31-89, Cl. 360-36.200.
Kaneko, Shinji; and Mitsuoka, Masahide, to Sony Corporation. Electron beam recorder. 4,805,041, 2-14-89, Cl. 358-347.000.
Kaneko, Shoji; and Nakamura, Atsumi, to Somar Corporation. Front plate for X-ray cassettes. 4,841,558, 6-20-89, Cl. 378-182.000.
Kaneko, Shozo: *See—*
  Okabe, Yoshimi; Iwamoto, Keiichi; Torichigai, Masaaki; Kaneko, Shozo; Ichinari, Joji; and Koizumi, Kiyoshi, 4,872,347, Cl. 73-634.000.
Kaneko Shozou: *See—*
  Fukuda, Seiji; Kaneko Shozou; Fujikawa, Takuji; Oda, Hiroshi; Gengo, Tadashi; and Fukui, Kazushi, 4,862,692, Cl. 60-670.000.
Kaneko, Shuzo; Toyono, Tsutomu; and Kanbe, Junichiro, to Canon Kabushiki Kaisha. Ferroelectric liquid crystal optical modulation device with regions within pixels to initiate nucleation and inversion. 4,796,980, 1-10-89, Cl. 350-350.00S.
Kaneko, Shuzo, to Canon Kabushiki Kaisha. Electro-optical device with low resistive portions on each high resistive electrode. 4,815,823, 3-28-89, Cl. 350-336.000.
Kaneko, Shuzo: *See—*
  Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, 4,824,218, Cl. 350-350.00S.
  Mouri, Akihiro; Kitayama, Hiroyuki; Kaneko, Shuzo; Takahashi, Tohru; Enari, Masahiko; Kuno, Mitsutoshi; and Toyono, Tsutomu, 4,818,078, Cl. 350-350.00S.
  Mouri, Akihiro; Toyono, Tsutomu; Kaneko, Shuzo; Inaba, Yutaka; and Kanbe, Junichiro, 4,836,656, Cl. 350-350.00S.
  Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.
  Touma, Kouichi; Hasegawa, Tetsuo; Kushida, Naoki; Yaegashi, Hisao; Tamura, Yasuyuki; and Kaneko, Shuzo, 4,882,593, Cl. 346-111.000.
  Yuasa, Toshiya; Fukumoto, Hiroshi; Mouri, Akihiro; and Kaneko, Shuzo, 4,808,227, Cl. 106-31.000.
Kaneko, Sigeru; and Kiriu, Yoshio, to Hitachi, Ltd. Apparatus for controlling data transfer between storages. 4,821,172, 4-11-89, Cl. 364-200.000.
Kaneko, Steven: *See—*
  Fowler, James F.; Barker, Nick; Kaneko, Steven; and Moore, Loyd C., 4,860,897, Cl. 206-444.000.
Kaneko, Tadashi; Kobayashi, Yoshiaki; and Arai, Mitsutaka, to Konica Corporation. Method for the formation of multicolor images. 4,828,951, 5-9-89, Cl. 430-47.000.
Kaneko, Tadashi; Shirose, Meizo; and Yamamoto, Yoko, to Konica Corporation. Method for developing electrostatic latent image in an oscillating electric field. 4,885,222, 12-5-89, Cl. 430-102.000.
Kaneko, Tadashi: *See—*
  Okuno, Itaru; Fujita, Nagahisa; and Kaneko, Tadashi, 4,833,612, Cl. 364-426.040.
  Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, 4,870,289, Cl. 250-548.000.
Kaneko, Takaoki: *See—*
  Fukuta, Kenji; Kaneko, Takaoki; and Takahashi, Yoshinobu, 4,874,453, Cl. 156-345.000.
Kaneko, Takashi: *See—*
  Ichikawa, Yukio; Kaneko, Takashi; Satake, Yoshikatsu; and Katto, Takayuki, 4,837,294, Cl. 528-388.000.
  Satake, Yoshikatsu; Kaneko, Takashi; Kobayashi, Yutaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,886,871, Cl. 528-226.000.
  Yoshimura, Isao; Hata, Hideo; and Kaneko, Takashi, 4,835,218, Cl. 525-98.000.
Kaneko, Takehira: *See—*
  Shimizu, Takeo; Kaneko, Takehira; Inoue, Tomoyuki; and Takahashi, Hiroshi, 4,816,536, Cl. 526-258.000.
Kaneko, Takushi; Wong, Henry S.; and Utzig, Jacob J., to Bristol-Myers Company. Rebeccamycin derivative containing pharmaceutical composition. 4,808,613, 2-28-89, Cl. 514-42.000.
Kaneko, Takushi; and Wong, Henry S. L., to Bristol-Myers Company. Intermediates for the production of podophyllotoxin. 4,845,248, 7-4-89, Cl. 549-433.000.
Kaneko, Tamaki, to O/A Technologies, Inc. Sorter. 4,881,730, 11-21-89, Cl. 271-296.000.
Kaneko, Tamaki, to O/A Technologies Inc. Sheet discharge device. 4,887,060, 12-12-89, Cl. 355-323.000.
Kaneko, Tatsushi: *See—*
  Maruyama, Kazumasa; Kaneko, Tatsushi; and Chiba, Tohru, 4,882,517, Cl. 313-502.000.
Kaneko, Tomiatsu; Yokoyama, Kazuaki; and Tsuruoka, Hisashi, to Miyoshi Oil & Fat Co., Ltd. Yeast-fermented food modifier. 4,798,733, 1-17-89, Cl. 426-549.000.
Kaneko, Tomihiro: *See—*
  Takahashi, Takehiko; Katou, Hitoshi; and Kaneko, Tomihiro, 4,846,521, Cl. 296-77.100.
  Takahashi, Takehiko; Saito, Hideo; Watanabe, Takashi; and Kaneko, Tomihiro, 4,880,277, Cl. 297-467.000.
Kaneko, Tomohisa, to Yazaki Corporation. Position compensating connector. 4,810,215, 3-7-89, Cl. 439-845.000.
Kaneko, Tomoyuki: *See—*
  Kato, Eiji; Kuboshima, Katsumi; and Kaneko, Tomoyuki, 4,883,196, Cl. 220-415.000.
Kaneko, Tooru: *See—*
  Asano, Isao; Saito, Shoichiro; Kaneko, Tooru; Kowaguchi, Toru; Mitsuishi, Tetsuya; and Yoshida, Hiroshi, 4,819,095, Cl. 360-77.040.
  Ide, Jun; Iizumi, Tomoo; Takahashi, Yoshitaka; Yoshida, Hiroshi; Kaneko, Tooru; and Hishi, Yuichi, 4,839,753, Cl. 360-48.000.
  Iizumi, Tomoo; and Kaneko, Tooru, 4,847,704, Cl. 360-48.000.
  Kowaguchi, Toru; Kaneko, Tooru; Ide, Jun; and Iizumi, Tomoo, 4,860,131, Cl. 360-78.140.
Kaneko, Toshikazu: *See—*
  Kubo, Isao; Kaneko, Toshikazu; Iwaki, Hirofumi; Kajikawa, Yoji; Asaoka, Junichi; and Miyoshi, Jun, 4,869,978, Cl. 429-165.000.
Kaneko, Toshimi; Fujinaga, Ryuichi; Morinaga, Tetsuya; Senda, Atsuo; Numata, Toshi; and Kashio, Hideyuki, to Murata Manufacturing Co., Ltd. Chip inductor. 4,797,648, 1-10-89, Cl. 336-192.000.
Kaneko, Toshimi: *See—*
  Tomono, Kunisaburo; Mandai, Harufumi; Kawabata, Toshio; Sakamoto, Yukio; Tsunematsu, Toyoaki; and Kaneko, Toshimi, 4,803,453, Cl. 336-183.000.
Kaneko, Toshio, to Kabushiki Kaisha Asahi Kinzoku Kogyosho. Method and apparatus for manufacturing curved pipe. 4,875,353, 10-24-89, Cl. 72-133.000.
Kaneko, Toshio, to Kabushiki Kaisha Asahi Kinzoku Kogyosho. Method and apparatus for manufacturing curved pipe. 4,876,872, 10-31-89, Cl. 72-133.000.
Kaneko, Toshio: *See—*
  Ishikawa, Toyoji; Kaneko, Toshio; Endo, Shuichi; Ogata, Yoshihiro; and Takaya, Toshihiko, 4,873,940, Cl. 118-651.000.
  Satake, Toshimi; Fukuchi, Tadakazu; Minami, Toshiaki; Nagai, Tomoaki; Kaneko, Toshio; and Fujimura, Fumio, 4,853,362, Cl. 503-209.000.
Kaneko, Toyohisa; and Watanuki, Osaaki, to International Business Machines Corporation. Speech recognition system. 4,876,720, 10-24-89, Cl. 381-43.000.
Kaneko, Toyoji: *See—*
  Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,829,944, Cl. 123-52.00M.
  Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Yasushi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,887,557, Cl. 123-52.0MC.
Kaneko, Tsugio; Ishikawa, Fumiya; Nishiyama, Yoshinobu; and Shibata, Toshiharu, to Mitsubishi Chemical Industries Limited. Method for extracting metal ions. 4,871,464, 10-3-89, Cl. 210-682.000.
Kaneko, Tsuneo; and Ezaki, Shiro, to Kabushiki Kaisha Toshiba. Method of manufacturing a substrate coated with multiple thick films. 4,830,878, 5-16-89, Cl. 427-96.000.
Kaneko, Tsuneo; and Ezaki, Shiro, to Kabushiki Kaisha Toshiba. Substrate coated with multiple thick films. 4,835,038, 5-30-89, Cl. 428-209.000.
Kaneko, Yasuhiro; Masuzawa, Tokihiko; Takesue, Masatoshi; and Mori, Mitsuo, to Mitsubishi Rayon Co., Ltd. Collimator lens for optical fiber. 4,815,807, 3-28-89, Cl. 350-96.180.
Kaneko, Yasuhiro: *See—*
  Yamada, Motokazu; Hayakawa, Hideyuki; Fukui, Tomonori; Matsuhashi, Hajime; Kaneko, Yasuhiro; Ikeda, Motozo; and Nagata, Tomihiko, 4,812,845, Cl. 340-995.000.
Kaneko, Yasunori: *See—*
  Fukuda, Akio; Kaneko, Yasunori; Maki, Masao; and Isogai, Mamoru, 4,824,730, Cl. 428-447.000.
Kaneko, Yasushi: *See—*
  Sukigara, Masayuki; Kaneko, Yasushi; and Kataoka, Hiroshi, 4,824,898, Cl. 524-401.000.
Kaneko, Yasutoshi: *See—*
  Murakami, Kazuo; Kaneko, Yasutoshi; and Tamaki, Takasi, 4,873,905, Cl. 84-20.000.
Kaneko, Yoshiaki: *See—*
  Saito, Toshiyuki; Okubo, Naofumi; Kaneko, Yoshiaki; and Tokumitsu, Yasuyuki, 4,796,155, Cl. 361-385.000.
Kaneko, Yoshihito: *See—*
  Akizuki, Ikuo; Kaya, Hiroshi; Okano, Shohei; Otake, Nobuo; Kumagai, Keiji; and Kaneko, Yoshihito, 4,837,193, Cl. 502-242.000.
Kaneko, Yoshinobu: *See—*
  Oshima, Yasuji; Araki, Hiroyuki; and Kaneko, Yoshinobu, 4,837,147, Cl. 435-68.000.
Kaneko, Yoshio; Fukuhara, Kunihiro; and Watanabe, Koji, to Nifco, Inc. Fastener made of synthetic resin. 4,821,381, 4-18-89, Cl. 24-297.000.
Kaneko, Yoshio: *See—*
  Kurihara, Kazumasa; Takahashi, Seiji; and Kaneko, Yoshio, 4,878,791, Cl. 411-55.000.
  Shibayama, Teruji; and Kaneko, Yoshio, 4,824,304, Cl. 411-171.000.
  Shibayama, Teruji; and Kaneko, Yoshio, 4,832,549, Cl. 411-171.000.
Kaneko, Yoshiyuki, to Canon Kabushiki Kaisha. Remote control device having an energy source charged by a camera. 4,864,340, 9-5-89, Cl. 354-266.000.
Kaneko, Youichi: *See—*
  Tsunaga, Masayuki; Yuba, Kazuaki; and Kaneko, Youichi, 4,888,135, Cl. 252-512.000.
Kaneko, Youji: *See—*
  Matsubara, Akinori; Tsutsumi, Kenichi; Kaneko, Youji; Akutsu, Takashi; and Tateishi, Naofumi, 4,854,209, Cl. 84-1.010.
Kaneko, Yujiro, to Fuji Photo Film Co., Ltd. Method of producing plate making masks and film for forming masks. 4,816,382, 3-28-89, Cl. 430-320.000.
Kaneko, Yukihiro: *See—*
  Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, 4,883,596, Cl. 210-638.000.
Kaneko, Yutaka; Kadokura, Kenzi; Nishijima, Toyoki; and Onodera, Kaoru, to Konica Technosearch Corporation. Silver halide photographic light sensitive material. 4,863,842, 9-5-89, Cl. 430-551.000.
Kaneko, Yutaka, to Konica Corporation. Light-sensitive silver halide photographic material. 4,880,733, 11-14-89, Cl. 430-551.000.
Kaneko, Yutaka: *See—*
  Kida, Shuji; Kaneko, Yutaka; Kadokura, Kenji; Yoshimoto, Shinji; and Masuda, Kosaku, 4,839,264, Cl. 430-505.000.
  Sakamoto, Eiichi; Kaneko, Yutaka; Ninomiya, Hidetaka; Kamio, Takashi; Ezaki, Atsuo; Akamatsu, Hideo; and Haraga, Hideaki, 4,871,658, Cl. 430-551.000.

  - Sugita, Shuichi; Yoshimoto, Shinji; Shimada, Naoko; Nakagawa, Satoshi; Kaneko, Yutaka; and Nishijima, Toyoki, 4,814,262, Cl. 430-551.000.
  - Tachibana, Kimie; Kaneko, Yutaka; and Ishii, Fumio, 4,873,183, Cl. 430-550.000.
- Kanekura, Kazunori: *See—*
  - Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; Matsuzawa, Kunihiko; and Kanekura, Kazunori, 4,873,541, Cl. 346-160.100.
  - Murayama, Yasushi; Kanekura, Kazunori; Aoki, Tomohiro; Chiku, Kazuyoshi; Hirose, Yoshihiko; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,847,642, Cl. 346-157.000.
- Kanemaru, Tonaharu, to Kitz Corporation. Ball valve with built-in check valve. 4,846,221, 7-11-89, Cl. 137-614.170.
- Kanemaru, Toshihiko; Kasai, Hiroshi; and Toyota, Takeshi, to Takeda Chemical Industries, Ltd. Coating 5'-nucleotide. 4,842,881, 6-27-89, Cl. 426-307.000.
- Kanemaru, Toshihiko: *See—*
  - Toyota, Takeshi; Kanemaru, Toshihiko; and Kasai, Hiroshi, 4,806,370, Cl. 426-99.000.
- Kanemaru, Yukihiro, to Mazda Motor Corporation. Vehicle door apparatus. 4,794,733, 1-3-89, Cl. 49-348.000.
- Kanematsu, Susumu; and Ishii, Kenji, to Koito Seisakusho Co., Ltd. Electric lamp assembly. 4,812,703, 3-14-89, Cl. 313-318.000.
- Kanematsu, Susumu: *See—*
  - Hirozumi, Yasuo; Kanematsu, Susumu; Numajiri, Yasuyoshi; Watanabe, Mikio; and Okano, Mitsuhiro, 4,879,491, Cl. 313-318.000.
- Kanemitsu, Hiroshi: *See—*
  - Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,822,059, Cl. 277-152.000.
  - Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,834,397, Cl. 277-152.000.
- Kanemitsu, Masahiro, to Kabushiki Kaisha Kanemitsu. Sheet metal poly-V pulley and manufacturing method thereof. 4,799,909, 1-24-89, Cl. 474-168.000.
- Kanemitsu, Masahiro, to Kabushiki Kaisha Kanemitsu. Method of manufacturing a sheet metal poly-V pulley. 4,831,705, 5-23-89, Cl. 29-159.00R.
- Kanemitsu, Shinji; and Ebata, Tokihide, to Canon Kabushiki Kaisha. Process cartridge and image forming apparatus using same. 4,829,335, 5-9-89, Cl. 355-211.000.
- Kanemitsu, Shinji: *See—*
  - Ikemoto, Isao; Kanemitsu, Shinji; Mizutani, Morikazu; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,809,033, Cl. 355-3.0SH.
  - Mizutani, Morikazu; Onoda, Shigeyoshi; Ikemoto, Isao; Kanemitsu, Shinji; and Kitajima, Hajime, 4,806,977, Cl. 355-8.000.
  - Sootome, Sumitoshi; Mizutani, Morikazu; Ikemoto, Isao; Kanemitsu, Shinji; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,875,075, Cl. 355-50.000.
- Kanemitsu, Toshimasa: *See—*
  - Kawai, Syuji; Anzai, Seio; Ishii, Toshinori; Shirano, Kenji; Shimamura, Kunihiko; Kanemitsu, Toshimasa; and Matsumura, Keiji, 4,810,542, Cl. 428-36.700.
- Kanemitsu, Yoichi, to Ebara Research Co., Ltd.; and Ebara Corporation. Controller for magnetic bearing system. 4,879,500, 11-7-89, Cl. 318-632.000.
- Kanemori, Reiji: *See—*
  - Narita, Harufumi; and Kanemori, Reiji, 4,810,120, Cl. 400-624.000.
- Kanemoto, Akihiko: *See—*
  - Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.
- Kanemoto, Seiichi; and Fukuoka, Mutsuo, to Brother Kogyo Kabushiki Kaisha. Automatic paper loading apparatus for printer having paper bail actuating device. 4,859,099, 8-22-89, Cl. 400-636.100.
- Kanemoto, Takashi: *See—*
  - Matsuoka, Mikiharu; Yamada, Yasuhiro; Miyazaki, Yasuko; Kanemoto, Takashi; Katayama, Hirohiko; and Ikuta, Tamao, 4,881,900, Cl. 434-113.000.
- Kanengieter, Glenn G., and Stomberg, David E., to Austoft Inc. (U.S.A.). Brake noise reduction system. 4,796,728, 1-10-89, Cl. 188-18.00A.
- Kanenobu, Muneaki: *See—*
  - Sako, Junichi; and Kanenobu, Muneaki, 4,807,479, Cl. 73-730.000.
- Kaneoka, Tsugio: *See—*
  - Nagata, Masanori; Kaneoka, Tsugio; Imano, Shigeki; and Matumoto, Hitoshi, 4,821,573, Cl. 73-597.000.
- Kaneoya, Masakazu: *See—*
  - Yoshida, Naoyuki; Kaneoya, Masakazu; and Uchida, Manabu, 4,882,451, Cl. 556-440.000.
- Kaneoya, Tatsuo; and Okamura, Haruki, to Sumitomo Chemical Company, Limited. Ultraviolet ray absorbing agent. 4,851,551, 7-25-89, Cl. 549-335.000.
- Kanerva, Heikki: *See—*
  - Kinanen, Ilmari; Kanerva, Heikki; and Tammisalo, Erkki, 4,852,134, Cl. 378-38.000.
- Kanesaka, Hiroshi, to Usui Kokusai Sangyo Kabushiki Kaisha; and Kabushiki Kaisha Kanesaka Gijutsu Kenkyusho. Engine intake system. 4,802,452, 2-7-89, Cl. 123-376.000.
- Kanesaka, Hiroyuki: *See—*
  - Doi, Kazuhiro; Fujii, Bunichiro; Honda, Naoki; Kanesaka, Hiroyuki; and Tsuchida, Hirofumi, 4,833,373, Cl. 318-114.000.
- Kanesaka, Junichiro: *See—*
  - Harada, Yukihiko; Nakagawa, Tatsushi; Kanesaka, Junichiro; and Kaneshige, Yousuke, 4,840,849, Cl. 428-419.000.
- Kanesaka, Toshiro: *See—*
  - Chino, Yoshiharu; Wakita, Nobuaki; Hibino, Masaru; Ikeya, Taro; Kanesaka, Toshiro; and Takeuchi, Kazuo, 4,825,825, Cl. 123-195.00C.
- Kanesaki, Nobukazu, to Nissan Motor Company, Limited. Exhaust gas purifying apparatus. 4,881,369, 11-21-89, Cl. 60-285.000.
- Kanesaki, Nobukazu: *See—*
  - Shinzawa, Motohiro; and Kanesaki, Nobukazu, 4,887,427, Cl. 60-286.000.
- Kaneshige, Masatoshi, to Sharp Kabushiki Kaisha. Image forming apparatus. 4,821,063, 4-11-89, Cl. 355-3.0DD.
- Kaneshige, Ryousuke; and Mizui, Kinya, to Mitsui Petrochemical Industries, Ltd. Lubricating oil composition. 4,877,557, 10-31-89, Cl. 252-56.00S.
- Kaneshige, Toshihiko: *See—*
  - Nishikawa, Meisei; Inagawa, Jun; Inagaki, Takeshi; Kaneshige, Toshihiko; Hayashi, Yasuhiro; and Kojima, Tadashi, 4,860,272, Cl. 369-48.000.
- Kaneshige, Yosuke: *See—*
  - Nakagawa, Tatsushi; Ishida, Yoshiaki; Junichiro, Kanesaka; and Kaneshige, Yosuke, 4,868,029, Cl. 428-163.000.
- Kaneshige, Yousuke: *See—*
  - Harada, Yukihiko; Nakagawa, Tatsushi; Kanesaka, Junichiro; and Kaneshige, Yousuke, 4,840,849, Cl. 428-419.000.
- Kaneshiki, Toshitaka; Narukawa, Osamu; Haneda, Tadayoshi; and Endo, Toshiyuki, to Hodogaya Chemical Co., Ltd. Method for selective isolation of Dichlorobenzene. 4,873,383, 10-10-89, Cl. 570-211.000.
- Kaneshiki, Toshitaka: *See—*
  - Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, 4,831,198, Cl. 570-211.000.
- Kaneshima, Tokitaka: *See—*
  - Ohtake, Nobumitsu; and Kaneshima, Tokitaka, 4,863,887, Cl. 502-150.000.
- Kanesige, Akira; and Seto, Masashi, to Molex Incorporated. Connector for flexible flat cable. 4,808,113, 2-28-89, Cl. 439-67.000.
- Kanesige, Isao: *See—*
  - Shimo, Hiroyuki; Kanesige, Isao; and Tanaka, Nobuo, 4,855,181, Cl. 428-336.000.
- Kaneta, Hiroshi; Ogawa, Tsutomu; Mori, Haruhisa; and Wada, Kunihiko, to Fujitsu Limited. Method for measuring lattice defects in a semiconductor. 4,803,884, 2-14-89, Cl. 73-598.000.
- Kanetake, Satoshi: *See—*
  - Ishigaki, Kunio; Yoshimura, Yuji; Kanetake, Satoshi; and Torigoe, Masaaki, 4,822,727, Cl. 430-536.000.
- Kanetake, Tatsuo: *See—*
  - Takeda, Kenji; Ishikawa, Ken; Kanetake, Tatsuo; Kojima, Takashi; and Itsubo, Akira, 4,863,763, Cl. 427-355.000.
- Kanetou, Keiichi: *See—*
  - Ohsawa, Toshiyuki; Yoshino, Katsumi; and Kanetou, Keiichi, 4,804,568, Cl. 428-40.000.
- Kaneuchi, Kazuo, to Kabushiki Kaisha Toshiba. Information memory unit. 4,853,925, 8-1-89, Cl. 369-291.000.
- Kaneyuki, Kazutoshi; and Iwatani, Shiro, to Mitsubishi Denki Kabushiki Kaisha. Controller for AC generator in vehicles. 4,839,576, 6-13-89, Cl. 322-25.000.
- Kaneyuki, Kazutoshi, to Mitsubishi Denki Kabushiki Kaisha. Charging generator. 4,843,267, 6-27-89, Cl. 310-68.00D.
- Kaneyuki, Kazutoshi: *See—*
  - Kitamura, Yutaka; and Kaneyuki, Kazutoshi, 4,849,665, Cl. 310-68.00D.
- Kaneyuki, Yukio: *See—*
  - Yamanaka, Katsuhisa; Furukawa, Tokinobu; Shindoh, Hirohiko; Kaneyuki, Yukio; Kinoshita, Takatoshi; and Ishibe, Masahiko, 4,801,433, Cl. 422-228.000.
- Kanezaki, Kazuharu: *See—*
  - Usami, Katsuyuki; Ueki, Toru; Sentoku, Hajime; Takahashi, Takashi; and Kanezaki, Kazuharu, 4,869,938, Cl. 428-34.300.
- Kanezawa, Nobuyoshi, to Uchiya Termostat Co. Waterproof switch. 4,876,422, 10-24-89, Cl. 200-302.100.
- Kang, Byung K. Automatically controlled socket wrench. 4,813,309, 3-21-89, Cl. 81-57.430.
- Kang, Deyuan: *See—*
  - Huang, Tongnian; You, Dengyun; Lu, Tongjing; Kang, Deyuan; and Duan, Rongan, 4,831,872, Cl. 73-162.000.
- Kang, Dong M., to Korea Measures Co., Ltd. Tape measure. 4,856,726, 8-15-89, Cl. 242-84.800.
- Kang, Hyun S.: *See—*
  - Kim, Myung S.; Kang, Hyun S.; Lim, Soon K.; and Park, Hee K. 4,874,712, Cl. 437-31.000.
- Kang, Hyung H., to PPG Industries, Inc. Water-proofing composition. 4,876,152, 10-24-89, Cl. 428-447.000.
- Kang, Insik. Electronic compass. 4,887,358, 12-19-89, Cl. 33-363.00K.
- Kang, Karam S.; Munn, Stephen; Robinson, Judith; and Maher, Eamonn F., to Johnson Matthey Public Limited Company. Indicator device for indicating the time integral of a monitored parameter. 4,804,275, 2-14-89, Cl. 374-162.000.
- Kang, Samsuk; and Bordelon, Frank M., to Westinghouse Electric Corp. Package seal inspection system. 4,841,763, 6-27-89, Cl. 73-49.300.
- Kang, Sang-Chul; Stroll, Zoltan Z.; and Miller, Stephen C., to Xerox Corporation. Small angle image rotation using block transfers. 4,829,452, 5-9-89, Cl. 364-518.000.
- Kang, Shinhoo: *See—*
  - Dunn, Edmund M.; Kang, Shinhoo; and Wei, George C., 4,883,217, Cl. 228-122.000.
  - Dunn, Edmund M.; Kang, Shinhoo; and Wei, George C., 4,883,218, Cl. 228-122.000.
  - Wingert, Philip C.; Brecher, Charles; Kim, Han J.; and Kang, Shinhoo, 4,817,695, Cl. 148-431.000.
- Kang, Soon-Kun: *See—*
  - Lange, Roger W.; Sowman, Harold G.; and Kang, Soon-Kun, 4,816,333, Cl. 428-331.000.
- Kang, Sung S., to Gold Star Co., Ltd. Adjustable audio control-eraser and tape guide assembly for a cassette tape video tape recorder. 4,875,123, 10-17-89, Cl. 360-109.000.
- Kang, Yoon M.: *See—*
  - Miura, Kazuo; Kang, Yoon M.; Taneya, Shoichi; Noguchi, Satoshi; and Sakitani, Katsumi, 4,827,736, Cl. 62-51.100.
  - Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,840,043, Cl. 62-51.200.
  - Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,854,131, Cl. 62-51.200.
- Kangaroos U.S.A., Inc.: *See—*
  - Tonkel, Raymond F., 4,805,319, Cl. 36-28.000.
  - Tonkel, Raymond F., 4,805,321, Cl. 36-54.000.
- Kangas, Lawrence W.; and MacDonald, Ross E. Protective glove. 4,843,650, 7-4-89, Cl. 2-159.000.
- Kango Limited: *See—*
  - Isenring, Fritz N., 4,867,251, Cl. 173-98.000.
- Kango Wolf Power Tools Limited: *See—*
  - Carey-Yard, Andrew S., 4,794,697, Cl. 33-1.00Q.
  - Carey-Yard, Andrew S., 4,850,752, Cl. 406-153.000.
- Kanhere, Prashant A.: *See—*
  - Michael, Martin S.; Kanhere, Prashant A.; Burnley, Richard P.; Iacobelli, Franco; and Chien, Ta-Wei, 4,823,312, Cl. 364-900.000.
- Kani, Nobumoto: *See—*
  - Kubota, Yasuo; Kani, Nobumoto; Okawa, Kazutaka; Tobita, Takuo; and Miyasaka, Tsuneo, 4,817,005, Cl. 364-468.000.
- Kani, Yasuyuki; Ohdake, Eishu; and Miyakawa, Seiichi, to Ricoh Company, Ltd.; and Noritake Co., Limited. Solid state charger. 4,811,158, 3-7-89, Cl. 361-230.000.
- Kania, Bruce. Shock absorber for a bow mounted camera. 4,890,128, 12-26-89, Cl. 354-76.000.
- Kania, Charles M.; and Porter, Samuel, Jr., to PPG Industries, Inc. High solids coating compositions. 4,808,656, 2-28-89, Cl. 524-512.000.
- Kaniaris, John. Regulator key. 4,871,144, 10-3-89, Cl. 251-291.000.
- Kanie, Teruyuki: *See—*
  - Eguchi, Kanemitsu; and Kanie, Teruyuki, 4,868,120, Cl. 435-262.000.
- Kanigowski, Andrzej S., to Weber Aircraft Corporation. Stowable table system. 4,852,940, 8-1-89, Cl. 297-145.000.
- Kaniut, Christopher P.; and Dittmer, Howard R., to Rockwell International Corporation. Tapered ball valve. 4,802,652, 2-7-89, Cl. 251-181.000.
- Kanjo, Yoshihiro: *See—*
  - Sugitani, Yuji; Nishi, Yasuhiko; and Kanjo, Yoshihiro, 4,851,639, Cl. 219-124.340.
- Kanjo, Yosihiro: *See—*
  - Sugitani, Yuji; Kanjo, Yosihiro; and Nishi, Yasuhiko, 4,816,640, Cl. 219-137.0PS.
- Kanke, Atsushi: *See—*
  - Gunji, Yasuhiro; Okada, Sadayuki; Isogai, Masato; Kondo, Katsumi; Ibamoto, Masahiko; Kuwabara, Kazuhiro; and Kanke, Atsushi, 4,836,657, Cl. 350-350.00S.
- Kanke, Motoko: *See—*
  - DeLuca, Patrick P.; Kanke, Motoko; Sato, Toyomi; and Schroeder, Hans G., 4,818,542, Cl. 424-491.000.
- Kanluen, Ratana; and Licht, Brigitte H., to Hart Chemical Limited. Production of highly-dispersible water-soluble polymers. 4,874,827, 10-17-89, Cl. 526-214.000.
- Kanmuri, Noboru: *See—*
  - Kishi, Masahichi; Seki, Seizo; and Kanmuri, Noboru, 4,799,257, Cl. 380-9.000.
- Kann, Frederick P.; and Small, James L. Roll support spindle. 4,828,198, 5-9-89, Cl. 242-72.00B.
- Kannabiran, Rengan: *See—*
  - Cain, Michael B.; Kannabiran, Rengan; and Urruti, Eric H., 4,867,775, Cl. 65-3.430.
- Kannagi, Reiji; Shigeta, Katsuyoshi; Ito, Yukishige; Kirihata, Yoshiko; and Ogawa, Tomoya, to MECT Corporation. Monoclonal antibodies specific for synthetic glycosphingolipids having abnormal branched structure. 4,885,358, 12-5-89, Cl. 530-387.000.
- Kannan, Krishuamurthi: *See—*
  - Calo, Seraphin B.; Kannan, Krishnamurthi; Soo, Suk S.; Burket, Thomas G.; and Wiley, John W., Jr., 4,805,134, Cl. 364-900.000.
- Kannan, Ramamurthi, to Hilton Davis Co. Process for the production of benzenesulfonamides. 4,874,894, 10-17-89, Cl. 564-93.000.
- Kannari, Shigeru, to Advantest Corporation. AC level calibration apparatus. 4,799,008, 1-17-89, Cl. 324-73.00R.
- Kannchen, Werner: *See—*
  - Schwirtlich, Ingo; Lange, Horst; and Kannchen, Werner, 4,837,376, Cl. 423-348.000.
- Kanne, Friedrich; Mietzner, Franz G.; Pfleger, Klaus; Kursawe, Siegfried; Boettcher, Klaus; and Arnold, Gerhard, to BASF Aktiengesellschaft. Reduction of the emission of hydrocarbons in pressure-reduction processes in high pressure polymerization reactors. 4,804,725, 2-14-89, Cl. 526-68.000.
- Kannegundla, Ram, to Eastman Kodak Company. Remotely driving a CCD. 4,866,299, 9-12-89, Cl. 307-270.000.
- Kanner, Bernard: *See—*
  - Quirk, Jennifer M.; and Kanner, Bernard, 4,804,768, Cl. 549-215.000.
- Kanner, Rowland W., to Ryder International Corp. Reusable vial cap. 4,801,033, 1-31-89, Cl. 215-322.000.
- Kanner, Rowland W.: *See—*
  - Ryder, Francis E.; and Kanner, Rowland W., 4,807,313, Cl. 5-62.000.
  - Ryder, Francis E.; and Kanner, Rowland W., 4,807,750, Cl. 206-5.100.
  - Ryder, Francis E.; and Kanner, Rowland W., 4,817,998, Cl. 294-1.100.
  - Ryder, Francis E.; Kanner, Rowland W.; and Williams, Fred E., 4,873,424, Cl. 219-521.000.
- Kanno, Fujio: *See—*
  - Kawata, Yasunori; and Kanno, Fujio, 4,870,590, Cl. 364-468.000.
- Kanno, Hideo; Yamashita, Shinichi; Omata, Satoshi; Enari, Masahiko; Kuno, Mitsutoshi; and Osada, Yoshiyuki, to Canon Kabushiki Kaisha. Active matrix-type display panel. 4,881,066, 11-14-89, Cl. 340-719.000.
- Kanno, Hideo: *See—*
  - Yamashita, Shinichi; Kanno, Hideo; Mizutome, Atsushi; and Inoue, Hiroshi, 4,795,239, Cl. 350-333.000.
  - Yamashita, Shinichi; Enari, Masahiko; Kuno, Mitsutoshi; Mizutome, Atsushi; and Kanno, Hideo, 4,804,951, Cl. 340-719.000.
- Kanno, Hiroshi: *See—*
  - Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.
- Kanno, Isao, to Sanshin Kogyo Kabushiki Kaisha. Warning device for a watercraft provided with a plurality of marine propulsion engines. 4,822,307, 4-18-89, Cl. 440-1.000.
- Kanno, Isao, to Sanshin Kogyo Kabushiki Kaisha. Engine control panel for a watercraft propelled by a plurality of motors. 4,850,906, 7-25-89, Cl. 440-2.000.
- Kanno, Kenichi: *See—*
  - Sugiura, Ryuzo; Kanno, Kenichi; and Ojima, Hisami, 4,823,377, Cl. 379-156.000.
- Kanno, Kimio, to Toyoda Iron Works Co., Ltd. Parking-brake operating device. 4,876,914, 10-31-89, Cl. 74-538.000.
- Kanno, Kimio, to Toyoda Iron Works Co., Ltd. Parking-brake operating device. 4,881,425, 11-21-89, Cl. 74-538.000.
- Kanno, Masahide; Saito, Katsuyuki; and Miyazaki, Akihiko, to Olympus Optical Co., Ltd. Control apparatus for endoscopes. 4,865,018, 9-12-89, Cl. 128-6.000.
- Kanno, Masahide; Yabe, Hisao; Yoshinaga, Jun; Yokoi, Takeshi; and Oozeki, Kazuhiko, to Olympus Optical Co., Ltd. Endoscope apparatus. 4,869,256, 9-26-89, Cl. 128-660.040.
- Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Yoshinaga, Jun; and Ohzeki, Kazuhiko, to Olympus Optical Co., Ltd. Endoscope light source apparatus. 4,884,133, 11-28-89, Cl. 358-98.000.
- Kanno, Masahide: *See—*
  - Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.
  - Kidawara, Atsushi; Nishikori, Toshiaki; Kanno, Masahide; Yabe, Hisao; Katoh, Shinichi; Ikuno, Yuji; and Nakamura, Takeaki, 4,862,258, Cl. 358-98.000.
  - Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
  - Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.
  - Tanikawa, Kowji; Kato, Tadashi; Kanno, Masahide; Yashima, Hiroyuki; Matsueda, Akira; Rokutan, Takao; Harada, Hisayuki; Hirosawa, Isao; and Hibino, Hiroki, 4,802,018, Cl. 358-335.000.
  - Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,868,647, Cl. 358-98.000.
  - Uehara, Masao; Sasaki, Masahiko; Kanno, Masahide; Hasegawa, Jun; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,887,153, Cl. 358-98.000.
  - Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.
  - Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.
- Kanno, Masayoshi: *See—*
  - Hayashi, Toshihide; Kanayama, Ikuo; and Kanno, Masayoshi, 4,809,325, Cl. 380-20.000.
  - Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Junjiro, 4,810,461, Cl. 376-457.000.
  - Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.

- Kanno, Ryoichi: *See—*
  - Ichikawa, Haruo; Kanno, Ryoichi; and Nakatsukasa, Masato, 4,887,529, Cl. 101-181.000.
  - Ichikawa, Haruo; Kanno, Ryoichi; and Kiyomiya, Masayuki, 4,887,531, Cl. 101-216.000.
- Kanno, Seizo, to Hoshino, Hiroyuki. Method and device for igniting engines. 4,858,586, 8-22-89, Cl. 123-620.000.
- Kanno, Sueo: *See—*
  - Otsu, Ichiro; Kanno, Sueo; Sato, Sinichi; and Kondo, Tetsuya, 4,822,924, Cl. 568-812.000.
  - Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, 4,831,198, Cl. 570-211.000.
- Kanno, Tadaaki: *See—*
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
- Kanno, Tadayuki: *See—*
  - Nakano, Yukio; and Kanno, Tadayuki, 4,858,224, Cl. 370-16.000.
- Kanno, Takayuki: *See—*
  - Maeda, Tsutomu; Matsui, Kiyoshi; Kanno, Takayuki; and Sato, Kunihiro, 4,841,944, Cl. 123-647.000.
- Kanno, Tatsuya; Takahashi, Ikuo; Sasaki, Kenichi; Habe, Tsuyoshi; and Sei, Tsuyoshi, to Daicel Chemical Industries, Ltd. Co-polycarbonate copolymer from 2,2-bis(4-hydroxy-3-tertiary butyl phenyl)propane and optical disk. 4 831,110, 5-16-89, Cl. 528-204.000.
- Kanno, Tetsuo: *See—*
  - Inada, Hitoshi; and Kanno, Tetsuo, 4,823,336, Cl. 369-215.000.
- Kanno, Toshiaki: *See—*
  - Minamikata, Hajime; Kanno, Toshiaki; Kanda, Masahiro; and Ushijima, Hitoshi. 4,855,119, Cl. 423-346.000.
  - Yagi, Kiyoshi; Kanno, Toshiaki; Kanda, Masahiro; and Nomura, Izumi, 4,837,282, Cl. 525-265.000.
- Kanno, Toshitake: *See—*
  - Ito, Hiroshi; Nagao, Terumi; Takeda, Toshiki; Maruyama, Yohikuni; and Kanno, Toshitake, 4,809,762, Cl. 164-9.000.
- Kanno, Yohichi: *See—*
  - Ohmi, Tadahiro; Kanno, Yohichi; Uchisawa, Osamu; and Sato, Kazuhiko, 4,828,219, Cl. 251-118.000.
- Kanno, Yoshiaki; Nakamoto, Katsuya; and Sumitani, Jiro, to Mitsubishi Denki Kabushiki Kaisha. Fuel supply control apparatus for internal combustion engine. 4,805,577, 2-21-89, Cl. 123-488.000.
- Kanno, Yoshiaki; and Nishiyama, Ryoji, to Mitsubishi Denki Kabushiki Kaisha. Electronic control circuit for internal-combustion engines. 4,854,285, 8-8-89, Cl. 123-418.000.
- Kanno, Yoshiaki; and Sumitani, Jiro, to Mitsubishi Denki Kabushiki Kaisha. System for controlling ignition timing in internal combustion engine. 4,864,995, 9-12-89, Cl. 123-422.000.
- Kanno, Yoshiaki: *See—*
  - Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, 4,848,301, Cl. 123-494.000.
  - Nakamoto, Katsuya; Kanno, Yoshiaki; and Nishiyama, Ryoji, 4,809,664, Cl. 123-436.000.
- Kanno, Yoshiyasu: *See—*
  - Nawata, Yoshiaki; Ono, Kunihisa; Takahashi, Koji; and Kanno, Yoshiyasu, 4,835,588, Cl. 357-36.000.
- Kannoh, Shinichi: *See—*
  - Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
- Kannwischer, Kurt R., to HH&L Co. Oscillating roller. 4,829,645, 5-16-89, Cl. 29-123.000.
- Kano, Akihiro: *See—*
  - Seki, Ichiro; Kano, Morinosuke; Fujii, Akihiko; Kano, Akihiro; and Isa, Isao, 4,829,028, Cl. 501-105.000.
- Kano, Akiko: *See—*
  - Tsuchino, Hisanori; Kano, Akiko; Nakano, Kuniaki; and Shimada, Fumio, 4,825,085, Cl. 250-484.100.
- Kano, Atsushi; Watanabe, Toshio; Yamamoto, Haruo; Yamaguchi, Katsuhide; Oda, Kenji; Tsunoda, Arihiro; and Fukano, Masahiko, to Mita Industrial Co. Ltd. Eraser lamp and transparent guide plate in electrostatic image transfer. 4,801,975, 1-31-89, Cl. 355-14.0TR.
- Kano, Atsushi; Mizuno, Masayuki; Kajiwara, Manabu; Sakaue, Kenji; Abe, Yuji; and Nakamura, Kazuo, to Mita Industrial Co., Ltd. Paper feeding device. 4,813,612, 3-21-89, Cl. 271-10.000.
- Kano, Atsushi; Ishiguro, Yasuyuki; Ogiri, Tadakazu; Ozaki, Hirofumi; and Yamashita, Yuji, to Mita Industrial Co., Ltd. Sealable toner recovery box for an image forming machine. 4,860,056, 8-22-89, Cl. 355-298.000.
- Kano, Atsushi: *See—*
  - Sumida, Yasuji; Kajita, Hiroshi; Ujino, Koji; Kano, Atsushi; Maekawa, Takashi; and Shibata, Kiyotaka, 4,815,724, Cl. 271-121.000.
- Kano, Fumihiko; Yamane, Takehiko; Yamashita, Katsuji; Hosoe, Kazunori; and Watanabe, Kiyoshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Alkyl-substituted benzoxazinorifamycin derivative, process for preparing the same and antibacterial agent containing the same. 4,859,661, 8-22-89, Cl. 514-183.000.
- Kano, Hiromi: *See—*
  - Hibi, Tadaaki; Sugiura, Miyoji; Kano, Hiromi; Kimura, Sigeyuki; and Kazami, Takeshi, 4,800,163, Cl. 435-287.000.
- Kano, Hiroshi: *See—*
  - Kunimitsu, Michio; Tomita, Hiroshi; Akao, Akio; and Kano, Hiroshi, 4,838,713, Cl. 400-120.000.
- Kano, Hiroyuki; Hashimoto, Masafumi; and Sawaki, Nobuhiko, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Negative resistance semiconductor device. 4,816,878, 3-28-89, Cl. 357-4.000.
- Kano, Hiroyuki; Noguchi, Matsusaburo; and Tadokoro, Joji, to Oki Electric Industry Co., Ltd. Color image reproduction apparatus and a composite light filter and ink ribbon for use therein. 4,835,603, 5-30-89, Cl. 358-75.000.
- Kano, Hiroyuki; Yagi, Yuji; and Sakaki, Hiroyuki, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Electromechanical semiconductor transducer. 4,839,708, 6-13-89, Cl. 357-26.000.
- Kano, Junichi; and Aoki, Kongo, to Aisin Seiki-Kabushiki Kaisha. Two wheel/four wheel drive change over apparatus for four-wheel drive vehicles. 4,858,716, 8-22-89, Cl. 180-233.000.
- Kano, Junichi; and Aoki, Kongoh, to Aisin Seiki Kabushiki Kaisha. Two and four-wheel drive transfer device. 4,862,989, 9-5-89, Cl. 180-247.000.
- Kano, Junichi: *See—*
  - Aoki, Kongoh; and Kano, Junichi, 4,805,472, Cl. 74-335.000.
- Kano, Koichi; Kabasawa, Takayuki; Danjo, Masamichi; and Okada, Etuo, to Yokohama Rubber Co., Ltd., The. Process for preparing one-component type sealant. 4,810,098, 3-7-89, Cl. 366-162.000.
- Kano, Masanobu: *See—*
  - Nishitani, Shinji; Minamikawa, Junichi; Kano, Masanobu; Otsubo, Junichiro; and Manabe, Yoshiaki, 4,795,814, Cl. 546-249.000.
- Kano, Mitsunari, to Hitachi, Ltd. Method and system for protecting information recorded in information medium. 4,808,802, 2-28-89, Cl. 235-380.000.
- Kano, Mitsunari; Konishi, Yoshiharu; and Matsuda, Toshihiko, to Hitachi, Ltd. Coordinate input apparatus. 4,872,000, 10-3-89, Cl. 340-706.000.
- Kano, Mitsuru; and Nakanowatari, Jun, to Alps Electric Co., Ltd. Liquid crystal compound. 4,801,756, 1-31-89. Cl. 568-642.000.
- Kano, Mitsuru; and Nakanowatari, Jun, to Alps Electric Co., Ltd. Liquid crystalline compound. 4,814,476, 3-21-89, Cl. 558-416.000.
- Kano, Mitsuru, to Alps Electric Co., Ltd. Liquid crystal composition. 4,824,597, 4-25-89, Cl. 252-299.610.
- Kano, Mitsuru, to Alps Electric Co., Ltd. Liquid crystal compound. 4,826,979, 5-2-89, Cl. 544-224.000.
- Kano, Mitsuru, to Alps Electric Co., Ltd. Liquid crystal compound. 4,835,274, 5-30-89, Cl. 544-239.000.
- Kano, Mitsuru, to Alps Electric Co., Ltd. Pyrimidine compound. 4,851,529, 7-25-89, Cl. 544-335.000.
- Kano, Morinosuke: *See—*
  - Seki, Ichiro; Kano, Morinosuke; Fujii, Akihiko; Kano, Akihiro; and Isa, Isao, 4,829,028, Cl. 501-105.000.
- Kano, Nobuhiko; Aoyama, Akira; and Kunida, Shinobu, to Seiko Epson Corporation. Optical recording medium. 4,800,112, 1-24-89, Cl. 428-163.000.
- Kano, Osamu; and Senda, Atsuo, to Murata Manufacturing Co., Ltd. Method of metallizing ceramic material. 4,795,658, 1-3-89, Cl. 427-98.000.
- Kano, Osamu; Yamada, Yukiyoshi; Fujisawa, Shigemi; and Yasuguchi, Masayuki, to Nisshin Flour Milling Co., Ltd.; and Nisshin Engineering Co., Ltd. Jet air flow crusher. 4,824,030, 4-25-89, Cl. 241-39.000.
- Kano, Osamu; Takano, Yoshihiko; and Senda, Atsuo, to Murata Manufacturing Co., Ltd. Method of plating treatment. 4,871,585, 10-3-89, Cl. 427-98.000.
- Kano, Shinichiro: *See—*
  - Yanagida, Kouichi; Kano, Shinichiro; Gotou, Takeshi; and Hirose, Takashi, 4,874,062, Cl. 181-250.000.
- Kano, Taisaku; Kobayahsi, Nobuki; and Ichihara, Yoshinobu, to Mitsui Toatsu Chemicals, Incorporated. Methyl methacrylate syrup composition. 4,806,600, 2-21-89, Cl. 525-206.000.
- Kano, Takashi: *See—*
  - Suzuki, Issei; Kano, Takashi; Watanabe, Yoshio; and Ama, Noboru, 4,863,049, Cl. 215-249.000.
- Kano, Takenori: *See—*
  - Iwatsuki, Tatsuya; Kawamoto, Mutsumi; and Kano, Takenori, 4,862,768, Cl. 74-701.000.
  - Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.
- Kano, Tetsuhiro, to Bahren, Heinz. Lamp. 4,814,956, 3-21-89, Cl. 362-293.000.
- Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umeno, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, to Hitachi, Ltd. Information reading apparatus for radiation image. 4,806,757, 2-21-89, Cl. 250-327.200.
- Kano, Yoshiaki: *See—*
  - Sakakibara, Shiro; Miyaishi, Yoshinori; and Kano, Yoshiaki, 4,878,887, Cl. 474-245.000.
- Kano, Yuji; Okamura, Tsurusaburo; Fukushi, Seiji; and Kinoshita, Fumio, to Japan Crown Cork Co., Ltd. Container closure provided with air pump mechanism. 4,848,599, 7-18-89, Cl. 222-402.000.
- Kano, Yukio; Yoshikawa, Kuniyuki; Kishida, Hideaki; Ito, Hiroaki; and Maeda, Mitsutoshi, to Kabushiki Kaisha Tokai Rika Denki Seisakusho; and Kabushiki Kaisha Toyota Chuo Kenkyusho. Method of and apparatus for measuring coordinates of edges of tape. 4,839,525, 6-13-89, Cl. 250-560.000.
- Kanoe, Toshio: *See—*
  - Minamisawa, Tsuyoshi; Endo, Katsunori; and Kanoe, Toshio, 4,861,515, Cl. 252-299.010.

  - Wada, Mitsuo; Kanoe, Toshio; and Ishikawa, Takayuki, 4,888,127, Cl. 252-299.500.
  - Wada, Mitsuo; Kanoe, Toshio; and Ishikawa, Takayuki, 4,889,886, Cl. 524-449.000.
- Kanojia, Ramesh M.; Lever, O. William, Jr.; and Press, Jeffery B., to Ortho Pharmaceutical Corporation. O-functionalized derivatives of substituted isoquinolin-3-ols having cardiotonic and/or phosphodiesterase fraction III inhibiting properties and/or renal vasodilating properties. 4,880,817, 11-14-89, Cl. 514-309.000.
- Kanojia, Ramesh M.: *See—*
  - Falotico, Robert; Kanojia, Ramesh M.; Press, Jeffery B.; and Tobia, Alfonso J., 4,822,800, Cl. 514-309.000.
  - Hajos, Zoltan G.; Kanojia, Ramesh M.; and Press, Jeffery B., 4,876,257, Cl. 514-253.000.
- Kanome, Yoshihiro; Noda, Fumiyoshi; Minami, Takashi; Sugiyama, Etsuo; and Yamada, Yutaka, to Toyota Jidosha Kabushiki Kaisha. Fuel vapor collecting device. 4,869,739, 9-26-89, Cl. 55-269.000.
- Kanopoulos, Nick: *See—*
  - Pierce, John L.; and Kanopoulos, Nick, 4,837,447, Cl. 250-492.200.
- Kanota, Keiji; and Seki, Takahito, to Sony Corporation. Digital recorder using partial response method. 4,885,646, 12-5-89, Cl. 360-46.000.
- Kanota, Keiji: *See—*
  - Murabayashi, Noboru; and Kanota, Keiji, 4,862,296, Cl. 360-51.000.
- Kanou, Kazuo: *See—*
  - Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.
- Kanou, Shoji: *See—*
  - Kubota, Shigeru; Kanou, Shoji; and Kubo, Masahiro, 4,801,044, Cl. 221-163.000.
- Kanou, Takeshi: *See—*
  - Higuchi, Tooru; Yamaguchi, Tosiyuki; and Kanou, Takeshi, 4,835,596, Cl. 357-72.000.
- Kanpatsu Kogyo Kabushiki Kaisha: *See—*
  - Fukuda, Tatemi; Kawasaki, Yoshio; Wakai, Masao; Negishi, Kenji; Ono, Isao; and Arita, Isao, 4,819,302, Cl. 19-262.000.
- Kanpp, August: *See—*
  - Franz, Klaus D.; Ambrosius, Kalus; Kanpp, August; and Brucker, Hans D., 4,867,793, Cl. 106-415.000.
- Kansai Chemical Engineering Co., Ltd.: *See—*
  - Oata, Naotake; Yotsumoto, Masahiro; Nishino, Haruo; Tanahashi, Hiroshi; Kato, Hajime; Tazawa, Toshiaki; Noda, Hideo; and Wakabayashi, Yuzuru, 4,798,131, Cl. 99-277.200.
  - Tazawa, Toshiaki; Yotsumoto, Masahiro; Tanahashi, Hiroshi; and Wakabayashi, Yuzuru, 4,819,552, Cl. 99-277.200.
  - Tazawa, Toshiaki; Yotsumoto, Masahiro; Tanahashi, Hiroshi; and Wakabayashi, Yuzuru, 4,889,743, Cl. 426-495.000.
- Kansai Electric Power Co., Inc., The: *See—*
  - Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
  - Furukawa, Yosio; Yasaka, Yasuhiro; Nagura, Osamu; Haraguchi, Eiji; Nakagawa, Hiroto; and Oono, Yasuteru, 4,870,339, Cl. 322-29.000.
  - Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.
  - Maeyama, Takuzo; Nii, Kenichi; Shimojo, Shigeru; Iwamoto, Keiichi; Torichigai, Masaaki; and Koizumi, Kiyoshi, 4,879,973, Cl. 122-379.000.
  - Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.
- Kansai Paint Company Limited: *See—*
  - Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.
  - Kinaga, Yoshimasa; Murofushi, Shigeo; and Seko, Kenji, 4,833,207, Cl. 525-276.000.
  - Kitabatake, Michiharu; and Tominaga, Akira, 4,883,830, Cl. 523-414.000.
  - Kondo, Toshio; and Kinaga, Yoshimasa, 4,883,571, Cl. 204-180.600.
  - Maeda, Shigeyoshi; Asai, Tsunetoshi; Asano, Hidejiro; and Taguchi, Haruyoshi, 4,877,664, Cl. 428-35.900.
  - Maki, Tetsu, 4,812,537, Cl. 525-488.000.
  - Masubuchi, Yoichi; Watanabe, Tadashi; Tominaga, Akira; Nagaoka, Haruo; Nakatani, Eisaku; and Kume, Masafumi, 4,888,244, Cl. 428-416.000.
  - Misawa, Masayuki; Ogasawara, Toshio; Sagane, Masahik [illegible] irata, Yasuyuki; and Kume, Masafumi, 4,840,715, Cl. 204-18[illegible].
  - Miyazaki, Shizuo; and Fujita, Norio, 4,814,208, Cl. 427-[illegible]00.
  - Numa, Nobushige, 4,886,852, Cl. 524-458.000.
  - Seko, Kenji; and Kondo, Toshio, 4,845,012, Cl. 430-287.000.
  - Sugimura, You; Numa, Nobushige; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; and Yamaguchi, Sachio, 4,812,337, Cl. 427-407.100.
  - Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, 4,871,591, Cl. 427-388.500.
  - Yabuta, Motoshi, 4,829,120, Cl. 524-460.000.
- Kansai Special USA Corp.: *See—*
  - Prais, Eugene R., 4,879,960, Cl. 112-291.000.
- Kansai Telecommunication Technology: *See—*
  - Goto, Shigenori; Mase, Saburo; Tayama, Hirofumi; Hara, Tadashi; and Fujii, Yasuo, 4,832,436, Cl. 350-96.200.
- Kansai Zyari Kabushiki-Kaisha: *See—*
  - Naito, Sousuke; Takahashi, Hidekazu; Shimai, Shunzo; Watanabe, Toshio; and Otsuka, Yasuji, 4,824,035, Cl. 241-188.00A.
- Kansas State University Research Foundation: *See—*
  - Klabunde, Kenneth J., 4,877,647, Cl. 427-123.000.
  - Lambert, Jack L.; Chiang, Yuan C.; and Paukstelis, Joseph V., 4,859,607, Cl. 426-135.000.
  - Noble, Marion L.; and Eck, John S., 4,834,370, Cl. 273-72.00A.
  - Zayas, Joseph F.; and Lin, Chyi-Shen, 4,849,244, Cl. 426-602.000.
- Kanshin, Nikolai N.: *See—*
  - Belykh, Sergei I.; Davydov, Anatoly B.; Moschensky, Anatoly D.; Kanshin, Nikolai N.; Kovalenko, Igor L.; Kirillov, Jury B.; Osipov, Gennady I.; and Utyamyshev, Rustam I., 4,875,479, Cl. 128-335.500.
- Kansupada, Bharat K.: *See—*
  - Mowdood, Syed K.; and Kansupada, Bharat K., 4,857,397, Cl. 428-323.000.
  - Mowdood, Syed K.; and Kansupada, Bharat K., 4,870,135, Cl. 525-236.000.
- Kant, Bernhard, to VDO Adolf Schindling AG. Mechanical-electrical transducer. 4,813,286, 3-21-89, Cl. 73-726.000.
- Kanter, Ira E.; and Lee, Pang K., to Westinghouse Electric Corp. Method and apparatus for removing polycyclic aromatic hydrocarbons from the exhaust of a municipal waste incinerator. 4,818,355, 4-4-89, Cl. 204-170.000.
- Kanter, John E. Soft animal toys. 4,874,344, 10-17-89, Cl. 446-268.000.
- Kanter, Robert C.; Rocazella, Michael A.; Weinstein, Jerry G.; and White, Danny R., to Lanxide Technology Company, LP. Method for in situ tailoring the metallic component of ceramic articles. 4,818,734, 4-4-89, Cl. 501-128.000.
- Kanters, Johannes T.: *See—*
  - Peters, Joseph H.; and Kanters, Johannes T., 4,837,783, Cl. 375-110.000.
- Kanthal AB: *See—*
  - Berthelius, Rolf; and Fredriksson, Tommy, 4,797,537, Cl. 219-528.000.
  - Lindgren, Hakan; Olsson, Jan O.; Knudsen, Martin; and Ronningen, Knut, 4,854,960, Cl. 65-346.000.
- Kantner, Edward: *See—*
  - Bellows, Richard J.; and Kantner, Edward, 4,818,642, Cl. 429-105.000.
- Kantner, Horst: *See—*
  - Kaltmann, Hans-Joachim; and Kantner, Horst, 4,867,065, Cl. 102-444.000.
- Kantner, Richard D. Lightweight foldable wheelchair. 4,887,826, 12-19-89, Cl. 280-250.100.
- Kantner, Robert C.: *See—*
  - Newkirk, Marc S.; Kantner, Robert C.; and Park, Eugene S., 4,884,737, Cl. 228-121.000.
- Kantner, Steven S.: *See—*
  - Lucast, Donald H.; Battles, Donald R.; and Kantner, Steven S., 4,871,812, Cl. 525-186.000.
- Kanto Jidosha Kogyo Kabushiki Kaisha: *See—*
  - Ochiai, Hironori; Suzuki, Etsuo; and Ikuta, Kazuo, 4,874,202, Cl. 296-222.000.
- Kanto Kagaku Kabushiki Kaisha: *See—*
  - Inoue, Senya; and Ono, Akira, 4,836,994, Cl. 423-308.000.
  - Inoue, Senya; Ono, Akira; Kobayashi, Mikio; and Yokoo, Hiroshi, 4,871,693, Cl. 501-9.000.
- Kanto, Masaharu: *See—*
  - Higashinakagawa, Emiko; Inaba, Michihiko; Ohtake, Yasuhisa; and Kanto, Masaharu, 4,827,178, Cl. 313-402.000.
  - Higashinakagawa, Emiko; Ohtake, Yasuhisa; Kanto, Masaharu; and Mori, Fumio, 4,846,747, Cl. 445-47.000.
- Kanto Seiki Co., Ltd.: *See—*
  - Hayashi, Takatoshi; Fujiki, Norio; Tanaka, Yoichiro; Nishimoto, Takashi; and Kobayashi, Masakazu, 4,871,993, Cl. 340-439.000.
  - Saito, Yasuo; Shimizu, Koichi; and Seki, Yuji, 4,833,919, Cl. 73-313.000.
- Kanto Yakin Kogyo Kabushiki Kaisha: *See—*
  - Takahashi, Susumu, 4,873,423, Cl. 219-390.000.
- Kantoh, Takanori: *See—*
  - Hayashi, Chikahisa; Inui, Shuji; Hiramitsu, Tetsushi; Hirano, Atsuo; and Kantoh, Takanori, 4,804,857, Cl. 307-10.00R.
- Kantor, Edward A.; Berci, George; and Storz, Karl. Video endoscopic microscope. 4,877,016, 10-31-89, Cl. 128-6.000.
- Kantrowitz, Adrian; Freed, Paul S.; Tachi, Hiroyuki; and Suzuki, Akira, to Aisin Seiki Kabushiki Kaisha. Electrocardiographic measurement method for controlling an intra-aortic balloon pump. 4,809,681, 3-7-89, Cl. 600-17.000.
- Kantrowitz, Adrian: *See—*
  - Frisch, Eldon E.; Kantrowitz, Adrian; and Freed, Paul S., 4,810,246, Cl. 604-93.000.
- Kanuma, Akira; and Yaguchi, Toshiyuki, to Kabushiki Kaisha Toshiba. Logic circuit. 4,802,133, 1-31-89, Cl. 365-230.000.
- Kanuma, Akira, to Kabushiki Kaisha Toshiba. Logic integrated circuit capable of simplifying a test. 4,887,267, 12-12-89, Cl. 371-22.300.
- Kanzaki, Hisao; and Ohba, Hisao, to Fuji Photo Film Co., Ltd. Processing apparatus. 4,875,067, 10-17-89, Cl. 354-325.000.
- Kanzaki, Katsuya: *See—*
  - Kurita, Masaya; and Kanzaki, Katsuya, 4,794,659, Cl. 5-453.000.

- Kanzaki Kokyukoki Mfg. Co.: *See—*
  - Azuma, Toshiro; and Hacegawa, Toshiyuki, 4,798,259, Cl. 180-233.000.
- Kanzaki Kokyukoki Mfg. Co., Ltd.: *See—*
  - Fujisaki, Koichiro; Ohashi, Ryota; and Nemoto, Shusuke, 4,856,368, Cl. 74-606.00R.
  - Hikishima, Keisaku, 4,841,794, Cl. 74-371.000.
  - Irikura, Koji, 4,880,070, Cl. 180-53.100.
  - Ishimaru, Yoshitaka, 4,856,355, Cl. 74-11.000.
  - Nemoto, Shusuke, 4,809,560, Cl. 74-371.000.
  - Nemoto, Shusuke, 4,856,367, Cl. 74-606.00R.
  - Nemoto, Shusuke, 4,858,739, Cl. 192-18.00R.
  - Nemoto, Shusuke, 4,870,820, Cl. 60-487.000.
  - Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, 4,856,277, Cl. 60-422.000.
  - Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, 4,866,936, Cl. 60-422.000.
  - Ohtsuki, Kazuhiko; Yoshii, Gen; and Okanishi, Toshiaki, 4,869,353, Cl. 192-53.00F.
  - Sakikawa, Shigenori; and Okanishi, Toshiaki, 4,802,546, Cl. 180-132.000.
  - Yamaoka, Kojiro; and Nemoto, Shusuke, 4,809,796, Cl. 180-6.480.
  - Yamaoka, Kojiro; and Nemoto, Shusuke, 4,819,508, Cl. 74-665.0GC.
  - Yamaoka, Kojiro, and Okada, Hideaki, 4,827,783, Cl. 74-371.000.
  - Yamaoka, Kojiro; and Nemoto, Shusuke, 4,867,008, Cl. 74-606.00R.
  - Yamaoka, Kojiro; Azuma, Toshiro; Fujisaki, Koichiro; and Okada, Hideaki, 4,882,940, Cl. 74-15.661.
  - Yamaoka, Kojiro; Azuma, Toshiro; Yano, Kazuhiko; and Ohashi, Ryota, 4,886,142, Cl. 180-242.000.
  - Yano, Kazuhiko; Ohtsuki, Kazuhiko; and Yoshii, Gen, 4,838,105, Cl. 74-377.000.
  - Yano, Kazuhiko; Sakikawa, Shigenori; and Okanishi, Toshiaki, 4,881,612, Cl. 180-132.000.
- Kanzaki, Masami: *See—*
  - Inobe, Kazuhiko; and Kanzaki, Masami, 4,882,581, Cl. 341-22.000.
- Kanzaki Paper Manufacturing Co., Ltd.: *See—*
  - Ando, Masatoshi; and Mochizuki, Hiromine, 4,816,153, Cl. 210-445.000.
  - Arai, Naoto; Nojima, Masaharu; and Mandoh, Ritsuo, 4,882,310, Cl. 503-207.000.
  - Fujii, Kenichi; and Tanaka, Menmei, 4,824,266, Cl. 400-120.000.
  - Kanda, Nobuo; Abe, Yukihiro; and Kondo, Mitsuru, 4,803,193, Cl. 503-209.000.
  - Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Egashira, Noritaka; Iwata, Tamami; and Satake, Naoto, 4,837,200, Cl. 503-227.000.
  - Miyamoto, Seiichi; Hanatani, Masaru; and Tajima, Yo, 4,829,374, Cl. 358-93.000.
  - Okushi, Akira; Myogatani, Shigeharu; Murata, Kazuhito; Hamaguchi, Yoshitsugu; and Tanaka, Koichi, 4,835,547, Cl. 346-76.0PH.
  - Onishi, Takami; and Dotani, Satoshi, 4,853,255, Cl. 427-148.000.
  - Osaki, Shigeyoshi; Sakai, Kiyokazu; and Uranishi, Kimiyoshi, 4,801,862, Cl. 324-585.00C.
  - Osaki, Shigeyoshi; Sakai, Kiyokazu; and Fujii, Yoshihiko, 4,849,623, Cl. 250-225.000.
  - Tanaka, Kenmei, 4,826,333, Cl. 400-76.000.
  - Taniguchi, Itaru; and Katsuragi, Toshiya, 4,847,184, Cl. 430-346.000.
  - Tomita, Osamu; Saiwai, Kazuhiko; and Kimura, Akira, 4,856,325, Cl. 73-150.00A.
  - Yamori, Tsunefumi; Shuku, Shigekazu; and Fujioka, Hironari, 4,812,438, Cl. 503-200.000.
  - Yamori, Tsunefumi; Shuku, Sigekazu; and Fujioka, Hironari, 4,833,116, Cl. 503-200.000.
  - Yonese, Naoki; Okamoto, Tosaku; and Kondo, Mitsuru, 4,828,957, Cl. 430-138.000.
- Kanzaki, Takashi, to Toyo Boseki Kabushiki Kaisha. Pultrusion with cure by ultraviolet radiation. 4,861,621, 8-29-89, Cl. 427-54.100.
- Kanzawa, Masahide: *See—*
  - Fujieda, Yasuhiko; Amano, Itaru; and Kanzawa, Masahide, 4,799,871, Cl. 425-38.000.
- Kanzawa, Yoshikazu: *See—*
  - Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, 4,831,712, Cl. 29-527.600.
- Kanzler, Josef; Noisser, Alois; Bachtrod, Gerald; and Gugerell, Ernst, to Karl Zizala Metallwarenfabrik. Vehicle lighting device. 4,811,174, 3-7-89, Cl. 362-61.000.
- Kanzler, Ulrich: *See—*
  - Dobereiner, Klaus; Kanzler, Ulrich; and Rauch, Hans, 4,814,989, Cl. 364-444.000.
- Kao, Aqee, to Hung Mei Brush Co., Ltd. Jet water gun. 4,807,586, 2-28-89, Cl. 124-73.000.
- Kao, Che-l: *See—*
  - Ho, Thoi; and Kao, Che-l, 4,880,897, Cl. 528-199.000.
- Kao Corporation: *See—*
  - Abe, Yoshiaki; and Iwabuchi, Hidetoshi, 4,839,168, Cl. 424-74.000.
  - Akao, Masaru; Okamoto, Yoshio; Manba, Akio; and Ichimoto, Takehiko, 4,800,034, Cl. 252-56.00S.
  - Aoki, Masakazu, 4,844,828, Cl. 252-90.000.
  - Araki, Seiichi; Suzuki, Mamoru; Iwasaki, Tetsuji; and Hioki, Yuichi, 4,868,217, Cl. 514-642.000.
  - Dohzono, Masatake; Miyashita, Iwao; and Abe, Norihiro, 4,835,042, Cl. 428-218.000.
  - Fujikura, Yoshiaki; Kitsuki, Tomohito; Fujita, Manabu; and Toi, Nao, 4,839,340, Cl. 512-9.000.
  - Fukasawa, Junichi; Kato, Haruya; Iwaya, Katsumasa; Shimizu, Takako; and Kawano, Atsushi, 4,857,308, Cl. 424-63.000.
  - Hirota, Hajime; Ogino, Hidekazu; Igarashi, Sahoko; and Sotoya, Kohshiro, 4,876,034, Cl. 252-546.000.
  - Hori, Kimihiko; Nakamura, Koichi; Kawai, Michio; Motegi, Itsuro; Imokawa, Genji; and Takaishi, Naotake, 4,876,084, Cl. 424-62.000.
  - Hosokawa, Yasunori; and Kobayashi, Takatoshi, 4,812,486, Cl. 521-139.000.
  - Hotta, Hajime; and Akasaka, Michiyo, 4,837,010, Cl. 424-59.000.
  - Imai, Takeo; and Iwano, Kazuko, 4,861,379, Cl. 106-402.000.
  - Imamura, Takashi; Nishigawa, Norio; Kurosaki, Tomihiro; Fukasawa, Junichi; and Kato, Haruya, 4,804,533, Cl. 424-69.000.
  - Ito, Osamu; and Mizutani, Hiroshi, 4,822,350, Cl. 604-372.000.
  - Iwasaki, Tetsuji; and Hosokawa, Hitoshi, 4,812,158, Cl. 71-64.120.
  - Iwasaki, Tetsuji; and Fukui, Yoshio, 4,840,942, Cl. 514-120.000.
  - Iwasaki, Tetsuji; Goto, Takuo; and Matsumoto, Tadao, 4,844,734, Cl. 71-120.000.
  - Iwasaki, Tetsuji; and Kamihisa, Yasushi, 4,851,421, Cl. 514-352.000.
  - Iwasaki, Tetsuji; and Hosokawa, Hitoshi, 4,888,049, Cl. 71-94.000.
  - Kai, Masanobu; and Chiku, Etsuko, 4,889,711, Cl. 424-47.000.
  - Kamiya, Tetsuro; Inoue, Takeshi; Yorozu, Hidenori; Eguchi, Yasuteru; and Tsujii, Kaoru, 4,859,696, Cl. 514-420.000.
  - Kamiya, Tetsuro; Tsuchiya, Shuichi; and Hara, Kenji, 4,879,274, Cl. 514-12.000.
  - Kawahito, Shiro; and Minato, Masanori, 4,859,537, Cl. 428-411.100.
  - Kishine, Nobuyuki; Hirakura, Megumu; and Imamura, Tetsuya, 4,811,152, Cl. 360-133.000.
  - Kobayashi, Takatoshi; and Ohya, Takahiro, 4,806,578, Cl. 523-402.000.
  - Komori, Takashi; Asahi, Masahiko; and Suzuki, Toshiyuki, 4,839,162, Cl. 424-63.000.
  - Mano, Tsutomu; ' awase, Jiro; Misu, Daisuke; and Obayashi, Michio, 4,871,372, Cl. 8-410.000.
  - Nakanishi, Minoru; and Sakurai, Akira, 4,842,595, Cl. 604-372.000.
  - Nakanishi, Minoru; Sakurai, Akira; Kobayashi, Takatoshi; Meiwa, Zenbei; and Abe, Norihiro, 4,850,991, Cl. 604-387.000.
  - Nakano, Akira; and Nomura, Masaki, 4,855,152, Cl. 426-261.000.
  - Nakano, Akira; Higashioka, Hiroshi; Nomura, Masaki; Kawahara, Yoshiharu; Yamashita, Ko; Sano, Yoshito; and Kase, Minoru, 4,861,612, Cl. 426-607.000.
  - Niki, Masao; Yasuda, Shinichiro; Yokota, Yukinaga; and Okabe, Kazuhiko, 4,845,002, Cl. 430-109.000.
  - Niki, Masao; and Meiwa, Zenbei, 4,845,005, Cl. 430-120.000.
  - Ogino, Hidekazu; Kamitani, Hiroshi; Kamegai, Jun; Sawada, Hiroki; Hirota, Hajime; and Kurosaki, Tomihiro, 4,803,010, Cl. 252-174.210.
  - Ohtani, Shoji; Muroi, Yoshiyuki; and Tsushima, Rikio, 4,795,792, Cl. 526-201.000.
  - Ohtani, Shoji; Sato, Yukiya; Takemura, Kazunari; and Tsushima, Rikio, 4,868,086, Cl. 430-137.000.
  - Saito, Hisashi; Ohnaka, Shinji; and Fukuda, Shigeo, 4,843,173, Cl. 562-531.000.
  - Saito, Kozo; Sai, Fumio; and Murata, Moriyasu, 4,869,843, Cl. 252-135.000.
  - Shiba, Daisuke; Sakurai, Akira; and Miyashita, Iwao, 4,804,378, Cl. 604-367.000.
  - Shiozaki, Ryozi; Kaji, Atsuhiko; Saijo, Hiroyuki; and Deguchi, Katsuhiko, 4,840,746, Cl. 252-174.250.
  - Shirose, Toshihiro; and Sakurai, Akira, 4,798,601, Cl. 604-368.000.
  - Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu; and Yamanishi, Masaji, 4,846,947, Cl. 204-182.400.
  - Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu; Yamanishi, Masaji; and Hirota, Hajime, 4,885,112, Cl. 252-352.000.
  - Suzue, Shigetoshi; Kimura, Akio; Tsukada, Kiyoshi; Noda, Kozo; Ogino, Hidekazu; and Kamegai, Jun, 4,846,991, Cl. 252-89.100.
  - Suzuki, Akira; Ito, Susumu; Okamoto, Kikuhiko; Hoshino, Eiichi; Yokosuka, Michio; and Murata, Moriyasu, 4,822,516, Cl. 252-174.120.
  - Suzuki, Toshio; and Okumura, Takeo, 4,859,457, Cl. 424-70.000.
  - Takaya, Susumu; Hirota, Hajime; and Nakamura, Motoko, 4,832,950, Cl. 424-81.000.
  - Takei, Hiroko; Suzuki, Toshiyuki; Otomo, Tsuyoshi; and Tokimitsu, Ichiro, 4,868,163, Cl. 514-76.000.
  - Tanaka, Nobuhiro, 4,835,702, Cl. 364-478.000.
  - Tanaka, Shingo; Nishikawa, Hideyo; and Kawabe, Kuniyasu, 4,804,622, Cl. 430-109.000.
  - Tanaka, Yukitaka; Nakamura, Minoru, Okada, Johshin; and Masho, Kenji, 4,837,214, Cl. 514-179.000.
  - Tanaka, Yukitaka; Omura, Hisao; Irinatsu, Yuuichi; Kobayashi, Takashi; and Noguchi, Aiko, 4,873,109, Cl. 426-607.000.
  - Tsujita, Satoshi; Maeda, Koji; and Eguchi, Yasuteru, 4,871,396, Cl. 106-286.800.
  - Tsumadori, Masaki; and Inokoshi, Junichi, 4,795,573, Cl. 252-8.800.
  - Tsumadori, Masaki; Shimizu, Kazuo; Inokoshi, Junichi; and Murata, Moriyasu, 4,842,760, Cl. 252-8.800.
  - Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Shingo; and Kawabe, Kuniyasu, 4,863,824, Cl. 430-109.000.
  - Umemoto, Isao; Shimada, Fumiyo; and Mitsuno, Yuichiro, 4,885,109, Cl. 252-174.210.
  - Wakatsuki, Junya; Sano, Tomohiko; and Kurosaki, Tomihiro, 4,812,254, Cl 252-135.000.

  - Wakatsuki, Junya; Katoh, Tohru; Matsunaga, Akira; and Kurosaki, Tomihiro, 4,845,239, Cl. 549-219.000.
  - Yahagi, Kazuyuki; and Suzuki, Toshio, 4,798,721, Cl. 424-70.000.
  - Yahagi, Kazuyuki; Tsujii, Kaoru; Hirota, Hajime; and Matsumura, Yoshihisa, 4,824,604, Cl. 252-546.000.
  - Yamamoto, Hiromi; and Ishido, Hideko, 4,839,167, Cl. 424-71.000.
  - Yamamoto, Yuzo; Nagamori, Hiroyuki; and Kitazawa, Kozo, 4,797,183, Cl. 204-16.000.
  - Yamamura, Masaaki; Inokoshi, Junichi; Ito, Tetuo; Furuta, Kazumitsu; and Shimizu, Kazuo, 4,885,102, Cl. 252-8.800.
  - Yamanoi, Akira; and Shiba, Daisuke, 4,851,284, Cl. 428-284.000.
  - Yasukawa, Takuji; Nishide, Tsutomu; and Yasumura, Daisuke, 4,849,019, Cl. 106-244.000.
  - Yorozu, Hidenori, 4,879,105, Cl. 424-44.000.
- Kao, Fon-San. Emergency flashlight. 4,835,665, 5-30-89, Cl. 362-184.000.
- Kao, Heng-er Y. Engineering constructive load cell. 4,876,895, 10-31-89, Cl. 73-761.000.
- Kao-Hsien, Yu: *See—*
  - Pin-Hung, Lin; and Kao-Hsien, Yu, 4,878,875, Cl. 446-356.000.
- Kao, Jamee; and Hsu, Joseph. Process and equipment for making hexagon insulating shade. 4,795,515, 1-3-89, Cl. 156-197.000.
- Kao, Jamee; and Hsu, Joseph. Dual fluted shade. 4,871,006, 10-3-89, Cl. 160-84.100.
- Kao, James T. F.; and Raff, Dwight E., II to Noramco, Inc. Process for purifying crude 4-aminophenol. 4,870,209, 9-26-89, Cl. 564-439.000.
- Kao, Ming-Luh, to Racal Data Communications Inc. Sampling clock synchronization. 4,815,109, 3-21-89, Cl. 375-107.000.
- Kao Oil Company, Limited: *See—*
  - Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Fujii, Masaki; and Minohata, Masanori, 4,873,071, Cl. 423-448.000.
- Kao, Richard; Blocki, Frank A.; Pranis, Robert A.; and Mahoney, Walter C., to Kallestad Diagnostics, Inc. Luminescent analyses with enhanced storage stability. 4,835,101, [illegible]0-89, Cl. 435-28.000.
- Kao, Sun-Chueh; Cann, Kevin J.; Karol, Frederick J.; Marcinkowsky, Arthur E.; Goode, Mark G.; and Theobald, Eugene H., to Union Carbide Corporation. Catalyst for regulating the molecular weight distribution of ethylene polymers. 4,845,067, 7-4-89, Cl. 502-119.000.
- Kao, Sun-Chueh; and Karol, Frederick J., to Union Carbide Chemicals and Plastics Company Inc. Catalyst for regulating the molecular weight distribution of ethylene polymers. 4,886,771, 12-12-89, Cl. 502-121.000.
- Kao, Wei H.; Katzman, Howard A.; and Slater, Eric M., to Aerospace Corporation, The. Diffusion barrier for high temperature composites. 4,837,053, 6-6-89, Cl. 427-214.000.
- Kao, Whau Chih, to Kao, Whau Chih; Wang, Chan-Yan; and Po-Hsiang, Shih. Exhaust silencer. 4,866,933, 9-19-89, Cl. 60-312.000.
- Kaoru, Sakurai; Harunori, Murakami; Toshio, Torii; and Hidetoshi, Oka, to Nippon Sheet Glass Co. Vehicle receiving apparatus using a window antenna. 4,864,316, 9-5-89, Cl. 343-704.000.
- Kapa, Prasad K., to Sandoz Pharm. Corp. 6-substituted-4-hydroxy-tetrahydropyran-2-ones. 4,841,071, 6-20-89, Cl. 549-214.000.
- Kapa, Prasad K.; and Chen, Kau-Ming, to Sandoz Pharm. Corp. Process for the preparation of certain nitrogen-containing mono- and bicyclic ace inhibitors, and novel intermediates useful therefor. 4,847,384, 7-11-89, Cl. 548-409.000.
- Kapa, Prasad K.: *See—*
  - Chen, Kau-Ming; Hardtmann, Goetz E.; Kapa, Prasad K.; Lee, George T.; Linder, Jerome; and Wattanasin, Sompong, 4,870,199, Cl. 556-437.000.
- Kapadia, Indu; and Ibrahim, Ibrahim M. Woven vascular graft. 4,816,028, 3-28-89, Cl. 623-1.000.
- Kapadia, Indu; and Schankereli, Kemal. Prosthetic ligament. 4,883,486, 11-28-89, Cl. 623-13.000.
- Kapadya, Aftab H.: *See—*
  - Gunderson, Charles; and Kapadya, Aftab H., 4,885,701, Cl. 364-520.000.
  - Lawrence, James; and Kapadya, Aftab H., 4,849,771, Cl. 346-139.00R.
- Kapany, Narinder S.; and Unterleitner, Fred C., to Kaptron, Inc. Star coupler for optical fibers. 4,846,543, 7-11-89, Cl. 350-96.160.
- Kapela, Didier; and Marnat, Michel, to Etablissements Maurice Maillard. Bicycle free-wheel ring, method of fixing sprockets to such a ring and free wheel thus obtained. 4,816,013, 3-28-89, Cl. 474-160.000.
- Kapeller, Franz: *See—*
  - Herget, Gerhard H.; and Kapeller, Franz, 4,858,472, Cl. 73-784.000.
- Kaper, Louris, to Douwe Egberts Koninklijke Tabaksfabriek-Koffiebranderijen-Theehandel N.V. Process for recovering caffeine adsorbed to activated carbon. 4,818,552, 4-4-89, Cl. 426-422.000.
- Kaper, Louris; Klamer, Roelof; and Noomer, Pieter J., to Douwe Egberts Koninklijke Tabaksfabriek-Koffiebranderijen-Theehandel N.V. Process for recovering caffeine absorbed in activated carbon, and a process for decaffeinating coffee. 4,877,631, 10-31-89, Cl. 426-422.000.
- Kaper, Louris, to Douwe Egberts Koninklijke Tabaksfabriek-Koffiebranderijen-Theehandel, N.V. Process for decaffeinating green coffee. 4,885,181, 12-5-89, Cl. 426-422.000.
- Kapgan, Michael, to Raychem Corporation. Coupling device. 4,832,382, 5-23-89, Cl. 285-369.000.
- Kapgan, Michael, to Raychem Corporation. Coupling device. 4,872,713, 10-10-89, Cl. 285-381.000.
- Kapich, D. Davorin. Inlet guide vane assembly. 4,874,288, 10-17-89, Cl. 415-150.000.
- Kapke, Milton W., to Goldco Industries, Inc. Material manipulating apparatus and method. 4,829,743, 5-16-89, Cl. 53-399.000.
- Kapke, Milton W., to Goldco Industries, Inc. Apparatus and method for forming and positioning a material securing member. 4,829,744, 5-16-89, Cl. 53-410.000.
- Kapke, Milton W., to Goldco Industries, Inc. Material engaging and securing device. 4,887,719, 12-19-89, Cl. 206-597.000.
- Kapke, Milton W.: *See—*
  - Vander Meer, Richard H.; Pearce, Ronald A.; and Kapke, Milton W., 4,809,965, Cl. 271-11.000.
- Kapl, Gerhard: *See—*
  - Heck, Friedrich; and Kapl, Gerhard, 4,835,013, Cl. 427-295.000.
- Kaplan, Aaron: *See—*
  - Peterson, Steven C.; and Kaplan, Aaron, 4,827,713, Cl. 60-226.100.
- Kaplan, Daniel: *See—*
  - Aubert, Guy; and Kaplan, Daniel, 4,862,085, Cl. 324-315.000.
- Kaplan, Daniel R.: *See—*
  - Bobeck, Andrew H.; Harriott, Lloyd R.; Hartman, Robert L.; Kaplan, Daniel R.; Przybylek, George J.; and Tabor, William J., 4,870,649, Cl. 372-19.000.
- Kaplan, David S.: *See—*
  - Hudspeth, Thomas; Kaplan, David S.; and Rosen, Harold A., 4,831,334, Cl. 330-10.000.
- Kaplan, Donald A.; and Goeckeler, William F., to Dow Chemical Company, The. Bone marrow suppressing agents. 4,853,209, 8-1-89, Cl. 424-1.100.
- Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., to United States Surgical Corporation. Process of making an absorbable surgical device. 4,839,130, 6-13-89, Cl. 264-235.000.
- Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., to United States Surgical Corporation. Process for making a surgical device using two-phase compositions. 4,844,854, 7-4-89, Cl. 264-235.000.
- Kaplan, Hal L. Wrist and gripping muscle exercising apparatus. 4,856,772, 8-15-89, Cl. 272-67.000.
- Kaplan, Horst; and Grube, Gerhard, to Otto Hansel GmbH. Device for transferring packages. 4,874,076, 10-17-89, Cl. 198-370.000.
- Kaplan, Ida B., to MTR Enterprises. Pregnant mother doll and separable baby doll. 4,883,442, 11-28-89, Cl. 446-320.000.
- Kaplan, Jonathan I.; and Pero, Stephen M., to Polaroid Corporation. Common drive for shutter blades and objective lens assembly. 4,799,077, 1-17-89, Cl. 354-400.000.
- Kaplan, Lawrence: *See—*
  - Farley, Robert W.; Kaplan, Lawrence; Rodrigues, Daniel J.; Wahler, Bruce A.; and Motyka, Charles J., 4,796,025, Cl. 340-825.080.
- Kaplan, Morris; and Kisalus, John C., to Nalco Chemical Company. Ethylene furnace antifoulants. 4,842,716, 6-27-89, Cl. 208-48.0AA.
- Kaplan, Murray; and Humes, Robert W., to Science Dynamics Corporation. Direct telephone dial ordering service. 4,797,913, 1-10-89, Cl. 379-91.000.
- Kaplan, Murray A.; Palepu, Nageswara R.; and Bogardus, Joseph B., to Bristol-Myers Company. Lyophilized or precipitated cephalosporin zwitterion and salt combination. 4,808,617, 2-28-89, Cl. 514-202.000.
- Kaplan, Naum M., to United Engineering, Inc. Method and apparatus for taper rolling control for a rolling mill. 4,860,564, 8-29-89, Cl. 72-19.000.
- Kaplan, Noam: *See—*
  - Barnea, Daniel; Stokar, Saul; Zur, Yuval; Kaplan, Noam; and Ban, Amir, 4,825,161, Cl. 324-309.000.
- Kaplan, Richard D.: *See—*
  - Desilets, Brian H.; Kaplan, Richard D.; Sachdev, Harbans S.; Sachdev, Krishna G.; and Sanchez, Susan A., 4,826,564, Cl. 156-643.000.
- Kaplan, Robert H.; LaCava, Alberto; Shirley, Arthur I.; and Ringo, Steven M., to BOC Group, Inc., The. Method for densely packing molecular sieve adsorbent beds in a PSA system. 4,853,004, 8-1-89, Cl. 55-25.000.
- Kaplan, Roy I., to Nalco Chemical Company. Toilet bowl cleaner and stain-inhibiting composition. 4,861,511, 8-29-89, Cl. 252-174.230.
- Kaplan, Roy I.: *See—*
  - Hoots, John E.; Fivizzani, Kenneth P.; and Kaplan, Roy I., 4,869,828, Cl. 210-701.000.
- Kaplan, Sam: *See—*
  - Adler, Robert; Fogelson, Mark; and Kaplan, Sam, 4,859,996, Cl. 340-712.000.
  - Adler, Robert; Fogelson, Mark; and Kaplan, Sam, 4,880,665, Cl. 427-126.300.
- Kaplan, Selwyn. Engine ignitor with integral compression release valve. 4,823,746, 4-25-89, Cl. 123-145.00A.
- Kaplan, Sidney; and Wong, Mon N., to Hughes Aircraft Company. Dual-mode circular-polarization horn. 4,797,681, 1-10-89, Cl. 343-786.000.
- Kaplan, Uri, to Ormat Turbines (1965) Ltd. Modular rankine cycle vapor turbine. 4,871,295, 10-3-89, Cl. 415-94.000.
- Kaplanis, Kostas, to Patton Electric Company, Inc. Immersion detector circuit interrupter. 4,797,772, 1-10-89, Cl. 361-42.000.
- Kaplicky, Jan: *See—*
  - Cohen, Marc M.; Kaplicky, Jan; and Nixon, David A., 4,836,114, Cl. 108-77.000.
- Kaplinsky, Cecil H., to Plug Logic, Inc. Programmable logic device. 4,847,612, 7-11-89, Cl. 340-825.800.
- Kaplinsky, Cecil H.: *See—*
  - Zimmer, Gunther A. H.; Braune, Dirk H.; and Kaplinsky, Cecil H., 4,853,845, Cl. 364-200.000.
- Kaplinsky, George; and Allen, Ross R., to Hewlett-Packard Company. Multicomponent refillable toner delivery system. 4,885,595, 12-5-89, Cl. 346-140.00R.

- Kaplita, George A.: *See*—
  - Giammarco, Nicholas J.; Gimpelson, Alexander; Kaplita, George A.; Lopata, Alexander D.; Scaduto, Anthony F.; and Shepard, Joseph F., 4,871,630, Cl. 430-14.000.
- Kapolnas nee Pap, Marta: *See*—
  - Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
- Kapon, Elyahou, to Bell Communications Research, Inc. Optical wavegide junction. 4,846,540, 7-11-89, Cl. 350-96.120.
- Kapon, Elyahou, to Bell Communications Research, Inc. Polarizing optical waveguides. 4,869,569, 9-26-89, Cl. 350-96.120.
- Kapoor, Ashok K.: *See*—
  - Thomas, Michael E.; Vora, Madhukar B.; and Kapoor, Ashok K., 4,829,363, Cl. 357-71.000.
- Kapoor, John N.: *See*—
  - Alam, Abu S.; Koziol, Kenneth J.; and Kapoor, John N., 4,879,286, Cl. 514-110.000.
  - Alam, Abu S.; Joshi, Utpal G.; Mehta, Jairaj U.; Sayeed, Fakrul A. A.; and Kapoor, John N., 4,879,308, Cl. 514-509.000.
- Kapoor, Kishore K.: *See*—
  - Chalmers, Brian D.; Mackenzie, Colin A.; and Kapoor, Kishore K., 4,890,174, Cl. 360-78.120.
- Kapp, David C.: *See*—
  - Boston, Russell E.; and Kapp, David C., 4,864,000, Cl. 525-143.000.
- Kapp, Gregory W., to Innocorp Manufacturing, Inc. Retractible support bar. 4,881,673, 11-21-89, Cl. 224-311.000.
- Kapp-Schwoerer, Diethard: *See*—
  - Denz, Martin; and Kapp-Schwoerer, Diethard, 4,879,968, Cl. 118-300.000.
- KAPPA messtechnik GmbH: *See*—
  - Gerner, Rudolf, 4,799,108, Cl. 358-213.260.
- Kappagantula, Satish: *See*—
  - Szczutkowski, Craig F.; Zinser, Richard L., Jr.; Kappagantula, Satish; and Peterson, Eugene H., III, 4,817,146, Cl. 380-48.000.
- Kappeler, Franz; Wolf, Thomas; and Stegmueller, Bernhard, to Siemens Aktiengesellschaft. Laser diode array with lateral coupling. 4,875,217, 10-17-89, Cl. 372-50.000.
- Kappeler, Franz: *See*—
  - Heinen, Jochen; and Kappeler, Franz, 4,845,723, Cl. 372-38.000.
- Kappeler, Markus: *See*—
  - Thomke, Ernst; and Kappeler, Markus, 4,817,138, Cl. 379-433.000.
- Kappers, Timothy A.; Westerfeld, Steven R.; and Gallant, Dennis J., to Hill-Rom Company, Inc. Head wall for hospital bed. 4,821,470, 4-18-89, Cl. 52-36.000.
- Kappes, Kenneth C., to Milprint Inc. Ovenable package for bacon and the like. 4,857,342, 8-15-89, Cl. 426-107.000.
- Kappes, Kenneth C., to Milprint, Inc. Direct overwrap for bar soap. 4,877,674, 10-31-89, Cl. 428-192.000.
- Kappler, Patrick: *See*—
  - Blaise, Jean; and Kappler, Patrick, 4,851,479, Cl. 525-276.000.
  - Grossoleil, Jacques; Kappler, Patrick; and Krantz, Nicolas, 4,835,236, Cl. 526-345.000.
- Kappler Safety Group: *See*—
  - Langley, John D., 4,833,010, Cl. 428-287.000.
- Kappler, Ulrich: *See*—
  - Hartung, Sigurd, deceased; Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, 4,885,418, Cl. 570-211.000.
- Kapples, Kevin J.: *See*—
  - Effland, Richard C.; Davis, Larry; and Kapples, Kevin J., 4,812,450, Cl. 514-211.000.
  - Effland, Richard C.; and Kapples, Kevin J., 4,865,764, Cl. 514-211.000.
  - Effland, Richard C.; Davis, Larry; Kapples, Kevin J.; and Olsen, Gordon E., 4,879,382, Cl. 540-554.000.
  - Shutske, Gregory M.; and Kapples, Kevin J., 4,868,177, Cl. 514-228.200.
  - Shutske, Gregory M.; and Kapples, Kevin J., 4,873,234, Cl. 514-211.000.
- Kappner, Helmut A. Process and arrangements for the indentification marking and recognition of objects. 4,809,342, 2-28-89, Cl. 382-11.000.
- Kapralova, Viktoria I.: *See*—
  - Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.
  - Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Olcinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-18.000.
- Kaprelian, Edward K. Combined scatter and light obscuration smoke detector. 4,857,895, 8-15-89, Cl. 340-630.000.
- Kaptron, Inc.: *See*—
  - Kapany, Narinder S.; and Unterleitner, Fred C., 4,846,543, Cl. 350-96.160.
- Kaptur, Stephen J. Valve control system for internal combustion engines. 4,875,440, 10-24-89, Cl. 123-81.00B.
- Kapulka, Kenneth M.; Rader, Holly A.; and Strickland, Jimmy P., to International Business Machines Corporation. Method for managing reuse of hard log space by mapping log data during state changes and discarding the log data. 4,878,167, 10-31-89, Cl. 364-200.000.
- Kapur, Shukla: *See*—
  - Arnold, Anthony F.; Corso, Joseph A.; Kapur, Shukla; Lange, Walter F.; and Shih, Da-Yuan, 4,835,593, Cl. 357-71.000.
- Kapuscinski, Jan; and Darzynkiewicz, Zbigniew, to Sloan-Kettering Institute for Cancer Research. Method for separating and analyzing nucleic acids. 4,801,550, 1-31-89, Cl. 436-94.000.
- Kapuscinski, Maria M.; Grina, Larry D.; and Brugger, Lee A., to Texaco Inc. Clear high-performance multifunction VI improvers. 4,816,172, 3-28-89, Cl. 252-47.000.
- Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., to Texaco Inc. Hydrocarbon compositions containing polyolefin graft polymers having amine and phenothiazine grafted moieties. 4,820,776, 4-11-89, Cl. 525-279.000.
- Kapuscinski, Maria M.; Liu, Christopher S.; Jones, Ronald E.; and Grina, Larry D., to Texaco Inc. Anti-oxidant system. 4,836,941, 6-6-89, Cl. 252-50.000.
- Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., to Texaco Inc. Hydrocarbon compositions containing polyolefin graft polymers. 4,877,415, 10-31-89, Cl. 44-62.000.
- Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., to Texaco Inc. Hydrocarbon compositions containing polyolefin graft polymers. 4,886,611, 12-12-89, Cl. 252-47.000.
- Kapuscinski, Maria M.: *See*—
  - Hart, William P.; Kapuscinski, Maria M.; and Liu, Christopher S., 4,795,577, Cl. 252-51.50R.
  - Liu, Christopher S.; Grina, Larry D.; and Kapuscinski, Maria M., 4,798,678, Cl. 252-50.000.
  - Liu, Christopher S.; Benfaremo, Nicholas; Kapuscinski, Maria M. and Grina, Larry D., 4,812,261, Cl. 252-51.50A.
  - Liu, Christopher S.; Kapuscinski, Maria M.; Grina, Larry D.; and Jones, Ronald E., 4,842,756, Cl. 252-48.200.
- Kar, Gitimoy, to Corning Glass Works. Coated optical waveguide fibers. 4,877,306, 10-31-89, Cl. 350-96.330.
- Kar, Kishore K. Safety electrical plug. 4,810,199, 3-7-89, Cl. 439-141.000.
- Kar, Naresh J.; and Oldham, Thomas W., to Smith International, Inc. Rock bit insert. 4,869,329, 9-26-89, Cl. 175-57.000.
- Kar, Naresh J.: *See*—
  - Keshavan, Madapusi K.; Underwood, Lance D.; Kar, Naresh J.; Oldham, Thomas W.; Roth, Cary A.; and Armstrong, Brian J., 4,836,307, Cl. 175-374.000.
- Karabed, Razmik; and Siegel, Paul H., to International Business Machines Corporation. Even mark modulation coding method. 4,870,414, 9-26-89, Cl. 341-57.000.
- Karabed, Razmik; and Siegel, Paul H., to International Business Machines Corporation. Trellis codes for partial response channels. 4,888,775, 12-19-89, Cl. 371-43.000.
- Karabed, Razmik; and Siegel, Paul H., to International Business Machines Corporation. Matched spectral null trellis codes for partial response channels. 4,888,779, 12-19-89, Cl. 371-43.000.
- Karabin, Richard F.; Niederst, Ken W.; Sandala, Michael G.; and Coleridge, Edward R., to PPG Industries, Inc. Low temperature curable aqueous electrodepositable coating compositions. 4,812,215, 3-14-89, Cl. 204-181.700.
- Karachaban, Nikolai G.: *See*—
  - Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikolai G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshits, Semen V., 4,854,820, Cl. 415-171.100.
- Karacsonyi, Bela: *See*—
  - Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Sope, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
  - Vajda, Gabor; Ravasz, Laszlo; Vajda, Gaborne; and Karacsonyi, Bela, 4,837,042, Cl. 426-615.000.
- Karady, Sandor; and Weinstock, Leonard M., to Merck & Co., Inc. Process for preparing 10,11-dihydro-11-exo-hydroxy-5-methyldibenzo[a,d]cyclohepten-5,10-imine. 4,869,791, 9-26-89, Cl. 204-72.000.
- Karady, Sandor: *See*—
  - Abramson, Newton L.; Karady, Sandor; Corley, Edward G.; and Weinstock, Leonard M., 4,834,846, Cl. 204-59.00R.
- Karaev, Islam K. O.: *See*—
  - Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.
- Karafian, Maxim; and Tsang, Irving C., to Stone & Webster Engineering Corporation. Production of synthesis gas using convective reforming. 4,824,658, 4-25-89, Cl. 423-652.000.
- Karagiannis, Constantinos. Apparatus for coating and laminating sheet materials. 4,838,985, 6-13-89, Cl. 156-522.000.
- Karagoz, Berch Y.; Moore, Lyman T.; Travers, Mark D.; and Allen, Donald P., to Great Lakes Carbon Corporation. Water trap manifold for water cooled electrodes. 4,802,188, 1-31-89, Cl. 373-93.000.
- Karahashi, Masao: *See*—
  - Minematsu, Nobuo; Karahashi, Masao; Ota, Munekatsu; Matsumoto, Koyo; and Takada, Hashime, 4,833,312, Cl. 235-379.000.
- Karai, Kenji: *See*—
  - Arai, Katsuyuki; Karai, Kenji; Watanabe, Okosu; and Ando, Keiji, 4,850,895, Cl. 439-394.000.
- Karakama, Tatsuo: *See*—
  - Sakakibara, Shinsuke; and Karakama, Tatsuo, 4,816,733, Cl. 318-568.000.
- Karakama, Yoshiakira: *See*—
  - Tsuchiya, Hiroshi; Karakama, Yoshiakira; Nagaike, Sadanori; Nakajima, Hiroyasu; and Chida, Kousaku, 4,796,126, Cl. 360-103.000.
- Karakane, Hiroki; Maeda, Yasushi; and Tsuyumoto, Michio, to General Director of the Agency of Industrial Science and Technology, The. Polymer composite membrane. 4,871,461, 10-3-89, Cl. 210-638.000.
- Karakane, Hiroki: *See*—
  - Honda, Zenjiro; Komada, Hajime; and Karakane, Hiroki, 4,824,573, Cl. 210-640.000.
- Karakawa, Kazuo, to Yamato Kogyo Kabushiki Kaisha. Plastics cover for piping. 4,830,061, 5-16-89, Cl. 138-168.000.
- Karakawa, Kazuo, to Yamato Kogyo Kabushiki Kaisha. Elbow cover for an elbow in pipework. 4,838,318, 6-13-89, Cl. 138-166.000.
- Karakawa, Kazuo, to Yamato Kogyo Kabushiki Kaisha. Protective cylinder for pipe covering material. 4,846,512, 7-11-89, Cl. 285-424.000.
- Karakawa, Koichi; Yoshimatsu, Tatsuhiko; Tsuchimoto, Hideyuki; and Hiwatashi, Katsumi, to Kyokuto International Corporation. Method and apparatus for printing on a traveling web. 4,852,484, 8-1-89, Cl. 101-170.000.
- Karakelle, Mutlu; and Zdrahala, Richard J., to Becton, Dickinson and Company. Blood electrolyte sensors including crosslinked polyetherurethane membranes. 4,816,130, 3-28-89, Cl. 204-403.000.
- Karakelle, Mutlu; and Zdrahala, Richard J., to Becton, Dickinson and Company. Method for preparing lubricated surfaces and product. 4,844,986, 7-4-89, Cl. 428-447.000.
- Karakelle, Mutlu; and Zdrahala, Richard J., to Becton, Dickinson and Company. Composite membrane, method for its preparation and electrolyte sensor including same. 4,885,077, 12-5-89, Cl. 204-403.000.
- Karakhanian, Vladimir K.: *See*—
  - Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikolai G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshits, Semen V., 4,854,820, Cl. 415-171.100.
- Karaki, Kouichi: *See*—
  - Namba, Akihiro; Uchino, Fumio; Tateoka, Hitoshi; Ohno, Masahiro; Ando, Outaro; Karaki, Kouichi; and Nagasaki, Tatsuo, 4,826,319, Cl. 356-339.000.
- Karaki, Shintaro; Chigodo, Yoshikazu; Okane, Masaaki; and Tanaka, Yukio, to Murata Manufacturing Co., Ltd. Method of removing adherent foreign matter from work pieces. 4,795,496, 1-3-89, Cl. 134-8.000.
- Karakida, Ken-ichi; and Yagi, Shigeru, to Fuji Xerox Co., Ltd. Electrophotographic photoreceptor having overlayer comprising carbon. 4,873,165, 10-10-89, Cl. 430-66.000.
- Karalevicz, John M.: *See*—
  - Milliner, Charles E.; Karalevicz, John M.; and Quick, Harry C., 4,880,323, Cl. 400-196.100.
- Karalis, Anastasios; Morong, Thomas; and Juszkiewicz, Charles, to Witco Corporation. Surface active compounds, methods for making same and uses thereof. 4,864,060, 9-5-89, Cl. 564-292.000.
- Karamata, Dimitri; and Piot, Jean-Christophe, to Sandoz Ltd. Insecticidal hybrid bacteria from *b.t. kurstaki* and *b.t. tenebrionis*. 4,797,279, 1-10-89, Cl. 424-93.000.
- Karami, Yusuke: *See*—
  - Yasuda, Satoshi; Uchida, Mitsuru; Takagi, Seiichi; and Karami, Yusuke, 4,824,752, Cl. 430-106.600.
- Karanian, Narbik A. Apparatus for production of high-purity water by microwave technology. 4,826,575, 5-2-89, Cl. 202-176.000.
- Karamon, John J.; and Gravereaux, Daniel W. Method and system for synchronization of an auxiliary sound source to motion picture film, video tape, or other picture source containing a sound track. 4,839,733, 6-13-89, Cl. 358-341.000.
- Karanewsky, Donald S., to E. R. Squibb & Sons, Inc. Process for preparing a keto-phosphonate intermediate useful in preparing HMG-CoA reductase inhibitors. 4,804,770, 2-14-89, Cl. 556-405.000.
- Karanewsky, Donald S.: *See*—
  - Loots, Melanie J.; and Karanewsky, Donald S., 4,849,414, Cl. 514-63.000.
  - Petrillo, Edward W., Jr.; Karanewsky, Donald S.; Thottathil, John K.; Heikes, James E.; and Grosso, John A., 4,873,356, Cl. 558-180.000.
  - Wachter, Michael P.; and Karanewsky, Donald S., 4,855,426, Cl. 544-101.000.
- Karapuperis, Leonidas: *See*—
  - Pavlidis, Dimitrios; Archambault, Yves; and Karapuperis, Leonidas, 4,827,319, Cl. 357-14.000.
- Karas, Bradley R.; Foust, Donald F.; and Dumas, William V., to General Electric Company. Method for removing residual precious metal catalyst from the surface of metal-plated plastics. 4,874,635, 10-17-89, Cl. 427-96.000.
- Karas, Bradley R.: *See*—
  - Foust, Donald F.; Dumas, William V.; Lamby, Edward J.; and Karas, Bradley R., 4,842,946, Cl. 428-458.000.
  - Foust, Donald F.; Lamby, Edward J.; Karas, Bradley R.; Dumas, William V.; and Jerabek, Elihu C., 4,873,136, Cl. 428-209.000.
- Karas, Michael. Self-adjusting headlight system for vehicles. 4,827,383, 5-2-89, Cl. 362-61.000.
- Karas, Wlodzimierz; Granowski, Robert; Ramotowski, Witold; Tuziemski, Aleksander; and Pilawski, Kazimierz, to Huta Baildon. Plate for connecting base splinters with bone shafts. 4,867,144, 9-19-89, Cl. 128-92.0YF.
- Karasaki, Koichi: *See*—
  - Hara, Yasuhiko; Karasaki, Koichi; and Ujiie, Noriaki, 4,816,686, Cl. 250-458.100.
- Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; Norita, Toshio; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Focus detecting optical system including two prisms for light refraction. 4,808,808, 2-28-89, Cl. 250-201.000.
- Karasaki, Toshihiko, to Minolta Camera Kabushiki Kaisha. Focus detecting system. 4,845,353, 7-4-89, Cl. 250-201.000.
- Karasaki, Toshihiko; and Sugitani, Kazumi, to Minolta Camera Kabushiki Kaisha. Focus detecting device. 4,857,718, 8-15-89, Cl. 250-201.000.
- Karasaki, Toshihiko, to Minolta Camera Kabushiki Kaisha. Focus detecting system using multiple portions of the image to be focussed. 4,857,720, 8-15-89, Cl. 250-201.000.
- Karasaki, Toshihiko: *See*—
  - Hamada, Masataka, Karasaki, Toshihiko; Matsui, Toru; and Maekawa, Yukio, 4,878,079, Cl. 354-402.000.
  - Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, 4,831,403, Cl. 354-402.000.
  - Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; Norita, Toshio; and Taniguchi, Nobuyuki, 4,862,204, Cl. 354-408.000.
  - Matsui, Toru; and Karasaki, Toshihiko, 4,818,865, Cl. 250-201.000.
  - Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,809,077, Cl. 358-213.260.
  - Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,835,562, Cl. 354-408.000.
  - Taniguchi, Nishinomiya; Ishida, Tokuji; Norita, Toshio; Hamada, Masataka; and Karasaki, Toshihiko, 4,882,601, Cl. 354-407.000.
  - Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,816,861, Cl. 354-408.000.
  - Taniguchi, Nobuyuki; Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; and Norita, Toshio, 4,835,615, Cl. 358-213.190.
  - Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,851,657, Cl. 250-201.000.
  - Taniguchi, Nobuyuki; Karasaki, Toshihiko; Mukai, Hiromu; Tokumaru, Hisashi; and Ishida, Tokuji, 4,878,076, Cl. 354-286.000.
- Karasawa, Akira: *See*—
  - Oshima, Etsuo; Obase, Hiroyuki; Karasawa, Akira; Kubo, Kazuhiro; Miki, Ichiro; and Ishii, Akio, 4,882,351, Cl. 514-431.000.
- Karasawa, Hideo; and Minakuch, Yuzo, to Tokyo Electric Co., Ltd. ECR in which article data stored in a memory is altered according to sales data. 4,870,577, 9-26-89, Cl. 364-405.000.
- Karasawa, Hiroo; [illegible]etani, Kiichi; and Okita, Kiyomi, to Toray Industries. Aromatic polyester composition and process for producing the same. 4,879,328, 11-7-89, Cl. 524-109.000.
- Karasawa, Hiroyuki, to Fuji Photo Film Co., Ltd. Light guide apparatus formed from strip light guides. 4,824,194, 4-25-89, Cl. 350-96.100.
- Karasawa, Hitoshi: *See*—
  - Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.
- Karasawa, Tadahiko: *See*—
  - Kon, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hino, Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, 4,870,074, Cl. 514-233.800.
- Karasawa, Wataru, to Tokyo Electron Limited. Probe apparatus. 4,812,901, 3-14-89, Cl. 358-101.000.
- Karasawa, Yoshio: *See*—
  - Shiokawa, Takayasu; Yasukawa, Koji; and Karasawa, Yoshio, 4,853,702, Cl. 342-363.000.
- Karashima, Akira, to Texas Instruments Incorporated. Lead frame. 4,870,474, 9-26-89, Cl. 357-70.000.
- Karashima, Etsuo, to Nisshin Kogyo Kabushiki Kaisha. Method and apparatus for keeping and supplementing goods. 4,806,072, 2-21-89, Cl. 414-786.000.
- Karashima, Kunihiko; Kumada, Shoji; Yoshida, Katsumasa; and Katase, Hiroharu, to Kabushiki Kaisha Yaskawa Denki Seisakusho. Method for adjusting encoder in a brushless motor-encoder combination. 4,862,044, 8-29-89, Cl. 318-254.000.
- Karasin, Craig E.; and Thompson, Joseph, to Sterling Drug Inc. Valved dispensing applicator. 4,878,774, 11-7-89, Cl. 401-15.000.
- Karatsu, Yoshinori: *See*—
  - Wada, Takeshi; Kita, Hisanao; Karatsu, Yoshinori; and Akutsu, Yoji, 4,794,688, Cl. 29-599.000.
- Karavaev, Alexandr A.: *See*—
  - Fedorov, Svyatoslav N.; Pashinova, Nadezhda F.; Anisimov, Sergei I.; Degtev, Evgeny I.; Zakharov, Dmitry V.; Karavaev, Alexandr A.; Kiselev, Vladimir G.; Juzhelevsky, July A.; and Sokolov, Sergei V., 4,863,462, Cl. 623-6.000.
  - Fedorov, Svyatoslav N.; Soloviev, Sergei A.; Degtev, Evgeny I.; Ivashina, Albina I.; and Karavaev, Alexandr A., 4,884,569, Cl. 128-305.000.
- Karavaev, Andron T.: *See*—
  - Terskov, Alexei D.; Plavskikh, Vladimir D.; Kostylev, Alexandr D.; Nazarov, Nikolai G.; Chepurnoi, Nikolai P.; Cherednikov, Evgeny N.; and Karavaev, Andron T., 4,819,741, Cl. 173-91.000.
- Karayannis, Nicholas M.: *See*—
  - Arzoumanidis, Gregory G.; Karayannis, Nicholas M.; Khelghatian, Habet M.; Lee, Sam S.; and Johnson, Bryce V., 4,866,022, Cl. 502-120.000.

Karbach, Alfred; Schaub, Georg; and Peters, Rolf, to Metallgesellschaft Aktiengesellschaft. Method of controlling a combustion process yielding water vapor. 4,884,408, 12-5-89, Cl. 60-667.000.

Karbach, Stefan; Schirmer, Ulrich; Rentzea, Costin; Pommer, Ernst-Heinrich; Ammermann, Eberhard; Steglich, Wolfgang; Schwalge, Barbara A. M.; and Anke, Timm, to BASF Aktiengesellschaft. Substituted acrylates and fungicides containing same. 4,822,908, 4-18-89, Cl. 560-60.000.

Karbach, Stefan: *See—*
Janssen, Bernd; Karbach, Stefan; Recker, Hans-Gert; and Thyes, Marco, 4,804,785, Cl. 568-425.000.

Karbanovich, Valery K.: *See—*
Svidunovich, Nikolai A.; Parfenov, Leonid I.; Garost, Alexandr I.; Sorokin, Gennady A.; Volkov, Viktor N.; Obiedkov, Viktor A.; Karbanovich, Valery K.; Vashkevich, Vladimir V.; and Verbitsky, Alexandr N., 4,855,105, Cl. 420-75.000.

Karbowski, Robert J.; Erickson, Anita S.; Gartner, Charles D.; and Roy, Kathleen A., to Dow Chemical Company, The. Sustained release microbiological control composition. 4,800,082, 1-24-89, Cl. 424-409.000.

Karcher, Gilles; Amor, Max; Niddam, Roger; and Villemot, Jean-Pierre, to Medicorp Research Laboratories Corporation. Coronary perfusion pump. 4,804,358, 2-14-89, Cl. 600-17.000.

Karcher, Gilles; Amor, Max, Abensour, David; and Cinqualbre, Jean. Amnioscope. 4,856,527, 8-15-89, Cl. 128-634.000.

Karcher, Thomas D.; and Weston, John, to Tuthill Corporation. Tool for mounting a socket. 4,833,951, 5-30-89, Cl. 81-471.000.

Karczmer, Claude M. Shield assembly for hypodermic injection devices. 4,795,432, 1-3-89, Cl. 604-110.000.

Kardal, Irving B.: *See—*
Frisk, Kenneth A. A.; and Kardal, Irving B., 4,831,814, Cl. 56-181.000.

Kardas, Alan, to Institute of Gas Technology. Flueless, low NO_x, low CO space heater. 4,846,679, 7-11-89, Cl. 432-31.000.

Kardinal, Hans J.: *See—*
Lehmann, Herbert; and Kardinal, Hans J., 4,869,606, Cl. 400-208.000.

Kardiothor, Inc.: *See—*
Darnell, Larry W., 4,807,845, Cl. 251-7.000.
Yawn, David H.; and Feldman, Louis W., 4,795,419, Cl. 494-84.000.

Kardoes, Oliver A.; Kardoes, Richard T.; and Bonestroo, David A., to Kardoes, Oliver A. Waste pit stirrer. 4,836,687, 6-6-89, Cl. 366-286.000.

Kardoes, Richard T.: *See—*
Kardoes, Oliver A.; Kardoes, Richard T.; and Bonestroo, David A., 4,836,687, Cl. 366-286.000.

Kardos, Peter, to Gas Research Institute. Flapper control valve. 4,856,558, 8-15-89, Cl. 137-625.330.

Kardos, Peter, to Gas Research Institute. Pulse combustor. 4,884,963, 12-5-89, Cl. 431-1.000.

Kardos, Peter: *See—*
Szucs, Laszlo; Szabo, Istvan; Papp, Istvan; Csaszni, Jozsef; Lengyel, Gyula; Resch, Pal; Sigmond, Emod; and Kardos, Peter, 4,813,237, Cl. 60-670.000.

Kardos, Thomas J.: *See—*
Lundquist, Ingemar H.; Tarczy-Hornoch, Zoltan; and Kardos, Thomas J., 4,865,581, Cl. 600-18.000.

Kareem, Arif; Walker, George S.; and Knierim, Daniel G., to Tektronix, Inc. Waveform timing alignment system for digital oscilloscopes. 4,843,309, 6-27-89, Cl. 324-121.00R.

Karg, Dieter: *See—*
Hoffmann, Manfred; Tonhauser, Johann; and Karg, Dieter, 4,825,974, Cl. 181-290.000.

Karg, Rodrick D.; and Whetstone, Thomas N., to General Motors Corporation. Seat handling fixture. 4,797,059, 1-10-89, Cl. 414-590.000.

Karg, Thomas A. Oil well pump control. 4,874,294, 10-17-89, Cl. 417-12.000.

Kargathra, Dinesh: *See—*
Comfort, John J., Hayter, Paul A.; Kargathra, Dinesh; Mason, Brian R.; Turner, Graham N.; Fisher, Ian R.; and Bailey, John W., 4,807,161, Cl. 364-550.000.

Karge, Richard. Socket wrench extension. 4,817,476, 4-4-89, Cl. 81-177.850.

Karger, Barry L.; and Cohen, Aharon, to Northeastern University. High performance microcapillary gel electrophoresis. 4,865,706, 9-12-89, Cl. 204-182.800.

Karger, Barry L.; and Cohen, Aharon S., to Northeastern University. Capillary gel electrophoresis columns. 4,865,707, 9-12-89, Cl. 204-182.800.

Karger, Manfred: *See—*
Schwer, Lukas; and Karger, Manfred, 4,823,329, Cl. 368-107.000.

Karger, Matthias: *See—*
Gross, Jurgen; and Karger, Matthias, 4,867,946, Cl. 422-68.000.

Karger, Paul: *See—*
Herbison, B. J.; Lyman, Carter; Karger, Paul; Mann, Bruce; Lipner, Steve; and Miller, Arnold, 4,881,263, Cl. 380-21.000.

Karger, Waldemar: *See—*
Jahn, Helmut; and Karger, Waldemar, 4,797,606, Cl. 324-71.100.

Kargl, Hermann: *See—*
Steier, Klaus F.; Holthaus, Erich W.; and Kargl, Hermann, 4,830,597, Cl. 425-456.000.

Karhu-Titan Oy: *See—*
Tiitola, Antti-Jussi; and Pohja, Kari, 4,876,807, Cl. 36-114.000.

Kari, Hanumath P.: *See—*
Vyas, Kamlesh P.; and Kari, Hanumath P., 4,885,314, Cl. 514-630.000.

Kari, U. Prasad: *See—*
Urry, Dan W.; and Kari, U. Prasad, 4,870,055, Cl. 514-12.000.

Karian, Jacques: *See—*
Deysson, Jean-Yves; Karian, Jacques; Malgrat, Philippe; and Bondeau, Michel, 4,859,121, Cl. 406-114.000.

Karibe, Haruyuki; Oogi, Takashi; and Igarashi, Tadao, to Sony Corporation. Tape cassette. 4,864,448, 9-5-89, Cl. 360-132.000.

Karibe, Norio: *See—*
Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanashi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Karibe, Sonoko: *See—*
Endo, Shigeru; Nomura, Satoshi; Ishigami, Shinji; and Karibe, Sonoko, 4,879,133, Cl. 426-653.000.

Karibe, Tamiharu; and Kunii, Noboru, to Nissan Motor Co., Ltd. Weather strip. 4,854,079, 8-8-89, Cl. 49-479.000.

Karidas, John P.; and Pawletko, Joseph P., to International Business Machines Corporation. Linear actuator with multiple closed loop flux paths essentially orthogonal to its axis. 4,810,914, 3-7-89, Cl. 310-12.000.

Karikas, John J.: *See—*
Ahlgren, Frederic F.; Davenport, John M.; Hansler, Richard L.; and Karikas, John J., 4,810,932, Cl. 313-579.000.
French, Park; Gotti, Mary B.; Karikas, John J.; and Reiling, Gilbert H., 4,808,876, Cl. 313-25.000.

Karim, Frank: *See—*
Deutsch, Robert W.; and Karim, Frank, 4,807,130, Cl. 364-424.10

Karim, Mohammad; and Patel, Madhu C., to NCR Corporation. Fiber optic coupling system. 4,798,428, 1-17-89, Cl. 350-96.180.

Kariman, Allam: *See—*
Giese, Roger W.; Warden, Beverly; Kariman, Allam; Ehrat, Markus; Cecchini, Douglas J.; and Senussi, Abdellah, 4,801,726, Cl. 556-419.000.

Karinen, Timothy J., to PPG Industries, Inc. Composition and method for producing vitamin-enriched milk. 4,803,087, 2-7-89, Cl. 426-73.000.

Karino, Seimei: *See—*
Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuke; Ueda, Syuzo; and Karino, Seimei, 4,814,141, Cl. 420-109.000.

Karino, Toshio: *See—*
Kawakatsu, Akira; Karino, Toshio; and Yuge, Yooji, 4,869,927, Cl. 427-106.000.

Karino, Yoshiaki: *See—*
Tutamune, Hirotaka; Shiragai, Yasuo; Karino, Yoshiaki; and Wakasa, Yasuyuki, 4,884,698, Cl. 209-534.000.

Karino, Yukio: *See—*
Idota, Yoshio; Karino, Yukio; Hayashi, Hiroshi; and Tomiyama, Hideki, 4,798,779, Cl. 430-202.000.

Karita, Mitsuji; Shinya, Tsutomu, and Oishi, Tetsuo, to Shinko Electric Co., Ltd. Linear motor with an elongated core using oppositely polarized magnets to maximize perpendicular flux lines. 4,868,4 9-19-89, Cl. 310-12.000.

Karita, Mitsuji, to Shinko Electric Co., Ltd. Door apparatus with magnetic support. 4,876,765, 10-31-89, Cl. 16-102.000.

Karita, Takeshi; Saito, Yoshiro; and Kuromatsu, Shunichiro, to Kuromatsu Corporation Co., Ltd. Water setting paper. 4,846,932, 7-11-89, Cl. 162-127.000.

Kariu, Keiki: *See—*
Ishizaki, Makoto; Sato, Takateru; Tanaka, Soichi; and Kariu, Keiki, 4,839,055, Cl. 210-641.000.

Karius, Klaus D.: *See—*
Kruse, Heinz-Josef; and Karius, Klaus D., 4,803,9 Cl. 102-524.000.
Kruse, Heinz-Josef; Karius, Klaus D.; and Sippel, Achim, 4,884,508, Cl. 102-524.000.
Prochnow, Jurgen; Peters, Jorg; Theis, Ulrich; and Karius, Klaus D., 4,797,985, Cl. 29-1.210.
Sippel, Achim; Kruse, Heinz-Josef; and Karius, Klaus D., 4,870,905, Cl. 102-524.000.
Synofzik, Reinhard; Hellwig, Rolf; and Karius, Klaus D., 4,834,3 Cl. 102-489.000.

Kariya, Kenichi; Noda, Masayuki; Yamaguchi, Takahiro; and Takahashi, Katsuji, to Shin-Kobe Electric Machinery Co., Ltd. Metal foil covered laminate. 4,883,708, 11-28-89, Cl. 428-263.000.

Kariya, Masayoshi: *See—*
Inoue, Takashi; Sunada, Masazi; Okamoto, Motohide; Kariya, Masayoshi; and Inoh, Tadashi, 4,845,146, Cl. 524-436.000.

Kariya, Mikio; and Izumiya, Hirotsugu, to NGK Insulators, Ltd. Ceramic envelope device for high-pressure discharge lamp. 4,808,8 2-28-89, Cl. 313-624.000.

Kariya, Mikio: *See—*
Izumiya, Hirotsugu; and Kariya, Mikio, 4,825,126, Cl. 313-623.00
Ohta, Takashi; and Kariya, Mikio, 4,865,414, Cl. 350-96.210.

Kariya, Tadaaki: *See—*
Sugayama, Shigeru; Kariya, Tadaaki; Shimura, Tamotsu; and Tomita, Sigeo, 4,833,587, Cl. 363-96.000.

Kariya, Takao: *See—*
Nishimoto, Yoshifumi; Okunuki, Masahiko; Kariya, Takao; [illegible] Yasuo; and Atsuta, Akio, 4,830,498, Cl. 356-400.000.

Kariya, Toshimitsu: *See—*
Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,882,251, Cl. 430-57.000.
Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,886,723, Cl. 430-65.000.

Karjalainen, Arto J.; and Kurkela, Kauko O. A., to Farmos Group Ltd. Substituted imidazole derivatives useful as antihypertensive or antithrombotic agent or diuretic. 4,826,864, 5-2-89, Cl. 514-396.000.

Karjasuo Oy: *See—*
Kittila, Ilmari, 4,846,261, Cl. 165-54.000.

Kark, Uwe. Roll device comprising a shaft and at least one roll ring arranged thereon. 4,841,612, 6-27-89, Cl. 29-123.000.

Karkalits, O. C.: *See—*
Menger, William M.; Kern, Ernest E.; Allen, Kermit; Karkalits, O. C.; Wise, Donald L.; and Leuschner, Alfred P., 4,845,034, Cl. 435-167.000.

Karkas, John D.: *See—*
Ashton, Wallace T.; Field, Arthur K.; Karkas, John D.; and Tolman, Richard L., 4,816,447, Cl. 514-81.000.

Karl, David H.: *See—*
Lauder, James V.; Burchett, Robert B.; and Karl, David H., 4,815,980, Cl. 439-76.000.

Karl Heesemann Maschinenfabrik GmbH & Co. KG: *See—*
Heesemann, Juergen, 4,839,994, Cl. 51-165.720.

Karl, Heinz-Dietmar; Tinebor, Manfred; and Lackhove, Josef, to Lenze GmbH & Co. KG Aerzen. Circuit for protecting a switching transistor. 4,890,185, 12-26-89, Cl. 361-91.000.

Karl Joh Gummiwarenfabrik GmbH: *See—*
Joh, Gunter, 4,819,953, Cl. 277-235.00B.

Karl Lautenschlager GmbH & Co. KG: *See—*
Lautenschlager, Horst, 4,799,802, Cl. 384-19.000.
Lautenschlager, Karl, Jr.; and Lautenschlager, Gerhard, 4,797,045, Cl. 411-107.000.
Lautenschlager, Reinhard, 4,810,045, Cl. 312-341.00R.
Lautenschlager, Reinhard, 4,819,298, Cl. 16-237.000.
Sassenberg, Gero, 4,856,141, Cl. 16-250.000.

Karl Lautenschlager GmbH & Co. KG Mobelbeschlagfabrik: *See—*
Lautenschlager, Karl, Jr., 4,797,972, Cl. 16-382.000.
Lautenschlager, Karl, Jr., 4,799,290, Cl. 16-237.000.

Karl Mayer Textilmaschinenfabrik GmbH: *See—*
Mista, Kresimir, 4,881,693, Cl. 242-35.50A.

Karl Mayer Textilmashinenfabrik GmbH: *See—*
Weiland, Jakob, 4,807,450, Cl. 66-84.00A.

Karl Mengele & Sohne GmbH & Co.: *See—*
Katzenschwanz, Norbert, 4,801,236, Cl. 414-416.000.

Karl Muller u. Co. KG: *See—*
Hammes, Walter P., 4,886,673, Cl. 426-56.000.

Karl Neumayer, Erzeugung und Vertrieb von Kabeln, Drahten, Isolierten Leitungen und Elektromaterial Gesellschaft m.b.H.: *See—*
Hiesbock, Heinz G.; and Bartl, Karl, 4,824,737, Cl. 428-643.000.

Karl Oexmann, Inh. Wolfmann Oexmann, Firma: *See—*
Herting, Heinrich, 4,859,476, Cl. 426-87.000.

Karl, Rupert; and Becker, Rudolf, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Process and device for the servicing of work stations of spinning or doubling machines by means of a plurality of service units capable of travelling alongside the work stations. 4,840,022, 6-20-89, Cl. 57-263.000.

Karl Storz Endoscopy-America, Inc.: *See—*
Pachenecker, Gerhard; Fastenmeier, Karl; and Lindenmeier, Heinz 4,818,954, Cl. 331-183.000.

Karl Storz Endoscopy GmbH and Company: *See—*
Gilstad, Dennis W.; Branstetter, Ronald L.; and Hill, Ralph H., Jr., 4,852,579, Cl. 128-665.000.

Karl Storz GmbH & Co.: *See—*
Dittrich, Horst, 4,844,053, Cl. 128-4.000.
Koller, Roland; and Dittrich, Horst, 4,852,550, Cl. 128-4.000.

Karl Suss KG, GmbH & Co.: *See—*
Kaiser, Paul, 4,834,499, Cl. 350-174.000.
Mueller, Karl-Heinz; Betz, Hans; Vach, Wilhelm; and Krenner, Johann, 4,856,037, Cl. 378-34.000.

Karl Thomae GmbH: *See—*
Heckel, Armin; Nickl, Josef; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,870,076, Cl. 514-252.000.

Karl, Veit-Holger; Mahler, Franz; and Greisel, Josef, to Alpine Aktiengesellschaft. Take-away device for tubing foils. 4,836,744, 6-6-89, Cl. 425-72.100.

Karl Zizala Metallwarenfabrik: *See—*
Kanzler, Josef; Noisser, Alois; Bachtrod, Gerald; and Gugerell, Ernst, 4,811,174, Cl. 362-61.000.

Karl Zund & Co. AG: *See—*
Zund, Karl, 4,832,402, Cl. 297-302.000.

Karlak, Daniel L., to Komatsu Dresser Company. Ripper mechanism. 4,817,731, 4-4-89, Cl. 172-464.000.

Karlas, Hermanus L. J. Spring board. 4,824,101, 4-25-89, Cl. 272-66.000.

Karlberg, Niels G., to Danfoss A/S. Priority valve for hydraulic installations. 4,858,515, 8-22-89, Cl. 91-516.000.

Karle, Anton, to Robert Bosch GmbH. Fuel injection pump. 4,840,155, 6-20-89, Cl. 123-300.000.

Karle, Anton: *See—*
Fehlmann, Wolfgang; Hofer, Gerald; Junger, Dieter; Karle, Anton; and Laufer, Helmut, 4,873,956, Cl. 123-357.000.

Karle, David A.: *See—*
Childers, Robert W.; Cook, Thomas G.; Karle, David A.; Krahe, Ronald P.; Sparber, George E. and Yeaney, Gerald L., 4,808,377, Cl. 422-26.000.

Karle, Dennis W., to Memorex Corporation. Thermoplastic magnetic coating composition. 4,861,655, 8-29-89, Cl. 428-328.000.

Karlgaard, Wayne A.: *See—*
Harwood, Jon W.; and Karlgaard, Wayne A., 4,847,965, Cl. 29-157.00R.

Karlhuber, Bernhard; Fiaux, Andre ; and Schaffhauser, Thierry, to Ciba-Geigy Corporation. Process for producing epoxy resin having a low-EHC-content from chlorine-substituted crude epoxy resin of high EHC-content and apparatus for automatically controlling such process. 4,810,776, 3-7-89, Cl. 528-488.000.

Karlicek, Robert F., Jr.: *See—*
Johnston, Wilbur D., Jr.; Karlicek, Robert F., Jr.; Long, Judith A.; and Wilt, Daniel P., 4,888,624, Cl. 357-16.000.

Karlin, Gary: *See—*
Yee, Skipper K., 4,869,820, Cl. 210-316.000.

Karlin, Mats A.: *See—*
Haland, Lars Y.; and Karlin, Mats A., 4,832,280, Cl. 242-107.000.

Karlinski, Herbert E., to K-Tube Corporation. Apparatus and method for continuous manufacture of armored optical fiber cable. 4,852,790, 8-1-89, Cl. 228-148.000.

Karlock, James A. Video switcher/effects generator. 4,862,272, 8-29-89, Cl. 358-181.000.

Karlock, James A. Circuitry for removing information from, or modifying information in, the vertical interval of a television signal. 4,870,297, 9-26-89, Cl. 307-236.000.

Karlotski, Robert J.: *See—*
Keeffe, William M.; Krasko, Zeya; Karlotski, Robert J.; and Morris, James C., 4,859,899, Cl. 313-25.000.
Keeffe, William M.; Karlotski, Robert J.; Kulik, Joseph S.; and Bazin, Simone P., 4,888,517, Cl. 313-25.000.

Karls, Michael A.; and Dutcher, James C., to Brunswick Corporation. Marine drive with air trap in auxiliary water inlet. 4,832,639, 5-23-89, Cl. 440-88.000.

Karls, Michael A., to Brunswick Corporation. Marine gearcase water inlet divider. 4,832,640, 5-23-89, Cl. 440-88.000.

Karls, Michael A.: *See—*
Litjens, John J.; Griffiths, John M.; and Karls, Michael A., 4,842,559, Cl. 440-1.000.

Karlsen, Jakob, to Aqua Fisk A/S. Process and device for medical treatment of fish. 4,852,519, 8-1-89, Cl. 119-3.000.

Karlson, Ulrich: *See—*
Frankenberger, William, Jr.; and Karlson, Ulrich, 4,861,482, Cl. 210-611.000.

Karlsson, Bertil; and Berthagen, Leif, to Alfa-Laval Thermal AB. Corrosion protection for heat exchangers. 4,800,007, 1-24-89, Cl. 204-196.000.

Karlsson, Bjorn G.: *See—*
Lejondahl, Lars-Erik; Karlsson, Bjorn G.; and Bjork, Curt, 4,862,674, Cl. 53-432.000.

Karlsson, Gert: *See—*
Willner, Stig; and Karlsson, Gert, 4,821,739, Cl. 128-774.000.

Karlsson, Gosta. Container and trailer handling combination yoke device with improved elevated storage for lifting arms. 4,795,203, 1-3-89, Cl. 294-81.510.

Karlsson, Gunvor E. T.: *See—*
Mathiesen, Mait M.; Gillberg, Lars I.; Hellsten, Karl M. E.; and Karlsson, Gunvor B. T., 4,887,383, Cl. 44-51.000.

Karlsson, Hakan I.; Lundqvist, Inge J.; Hardin, Bengt Y.; and Ostman, Thomas L., to Svenska Traforskningsinstitutet. Method of controlling cross profile of properties of paper web. 4,874,467, 10-17-89, Cl. 162-198.000.

Karlsson, Jan; and Fasth, Ingemar, to Barrier HB. Heat insulating window unit and insulating blocking component therefor. 4,800,693, 1-31-89, Cl. 52-171.000.

Karlsson, Jan-Erik: *See—*
Wiljanen, Bo I.; and Karlsson, Jan-Erik, 4,860,168, Cl. 361-428.000.

Karlsson, Karl-Anders; Norrby, Erling; and Wadell, Goran, to Symbicom AB. Antiviral agents. 4,859,769, 8-22-89, Cl. 536-53.000.

Karlsson, Kurt O.; and Karlsson, Leif E., to Sandvik AB. Drill. 4,889,455, 12-26-89, Cl. 408-188.000.

Karlsson, Lars S. J.: *See—*
Scheffler, Manfried A. G.; Karlsson, Lars S. J.; and Larsson, Anders M., 4,846,211, Cl. 137-119.000.

Karlsson, Leif E.: *See—*
Karlsson, Kurt O.; and Karlsson, Leif E., 4,889,455, Cl. 408-188.000.

Karlsson, Per-Olof. Loop pump. 4,820,134, 4-11-89, Cl. 417-336.000.

Karlsson, Rune. Device for adjusting the distance between soil-working tools. 4,828,043, 5-9-89, Cl. 172-656.000.

Karlsson, Thommy: *See—*
Hjortsberg, Arne; Holmstrom, Goran; and Karlsson, Thommy, 4,806,806, Cl. 310-45.000.

Karmel, Amir; Loo, David K.; and Rillings, James H., to General Motors Corporation. Adaptive vehicle. 4,829,434, 5-9-89, Cl. 364-424.100.

Karmeli, David; and Peri, Gideon. Flexible pipe for trickle irrigation. 4,817,875, 4-4-89, Cl. 239-542.000.

Karmen, Arthur: *See—*
Freundlich, Lawrence F.; Murthy, Vadiraja V.; and Karmen, Arthur. 4,857,454, Cl. 435-7.000.

Karn, Helmut: *See—*
Kempe, Uwe; Dockner, Toni; Karn, Helmut; Bluemel, Thomas; Leyrer, Reinhold J.; and Loerzer, Thomas, 4,866,183, Cl. 548-336.000.
Koehler, Hermann; Dockner, Toni; and Karn, Helmut, 4,864,030, Cl. 548-343.000.

Karna, Juhani; and Pahlman, Heikki, to Sunds Defibrator Jylha Oy. Method and device for measuring the distance between the discs of a refiner using a measurement of the magnetic flux induced between the discs. 4,878,020, 10-31-89, Cl. 324-207.000.

Karnebogen, Karl W.: *See—*

Johnson, Paul; and Karnebogen, Karl W., 4,840,115, Cl. 98-2.030.

Karner & Co AB: *See—*

Andersson, Ulf, 4,832,239, Cl. 223-95.000.

Karner, Friedrich A., to International Business Machines Corporation. Power rails for edge mounting modules. 4,818,240, 4-4-89, Cl. 439-64.000.

Karner, Gary M.: *See—*

Taylor, James M.; and Karner, Gary M., 4,875,398, Cl. 83-100.000.

Karner, Josef: *See—*

Hoffmann, Joachim; Karner, Josef; Angstenberger, Dieter; and Zerrer, Gerhard, 4,866,846, Cl. 30-276.000.

Karnesky, Richard A.: *See—*

Christiansen, David W.; and Karnesky, Richard A., 4,818,479, Cl. 376-442.000.

Karnett, Martin P., to United States of America, National Security Agency. Tapered wet etching of contacts using a trilayer silox structure. 4,818,335, 4-4-89, Cl. 156-644.000.

Karnezos, Marcos, to Hewlett-Packard Company. Interconnect structure for PC boards and integrated circuits. 4,813,129, 3-21-89, Cl. 29-832.000.

Karnezos, Marcos; and Jones, Randal S., to Hewlett-Packard Company. Vacuum windows for soft x-ray machines. 4,862,490, 8-29-89, Cl. 378-161.000.

Karnin, Ehud D.: *See—*

Chevion, Dan S.; Karnin, Ehud D.; and Walach, Eugeniusz, 4,884,131, Cl. 358-88.000.

Karning, Heinrich; Szillis, Ekkehard; and Weigel, Wolfgang, to Hughes Aircraft Company. Laser rangefinder and thermal imager with enhanced scanning mirror control. 4,810,088, 3-7-89, Cl. 356-5.000.

Karnopp, Dean C.; and Yasui, Yoshiyuki, to Aisin Seiki Kabushiki Kaisha. Disk brake assembly. 4,852,699, 8-1-89, Cl. 188-72.200.

Karns, Patrick B.: *See—*

Cilladi, David R.; Sunderlin, Jeffrey C.; Tippett, Steven R.; and Karns, Patrick B., 4,829,992, Cl. 128-90.000.

Karns, Scott A.: *See—*

Wallace, David A.; Feldon, Steven E.; Mezack, Gary; Whiting, Douglas L.; Dally, William J.; and Karns, Scott A., 4,817,432, Cl. 73-602.000.

Karny, Ziv; Arieli, Rami; and Schwebel, Alan, to Laser Industries Ltd. Optical-fiber type power transmission device. 4,830,462, 5-16-89, Cl. 350-96.300.

Karol, Frederick J.: *See—*

Cann, Kevin J.; Chen, Michael W.; and Karol, Frederick J., 4,861,846, Cl. 526-75.000.

Kao, Sun-Chueh; Cann, Kevin J.; Karol, Frederick J.; Marcinkowsky, Arthur E.; Goode, Mark G.; and Theobald, Eugene H., 4,845,067, Cl. 502-119.000.

Kao, Sun-Chueh; and Karol, Frederick J., 4,886,771, Cl. 502-121.000.

Zoeckler, Mary T.; and Karol, Frederick J., 4,810,761, Cl. 526-124.000.

Zoeckler, Mary T.; and Karol, Frederick J., 4,812,432, Cl. 502-112.000.

Karol, Meryl H.; and Ryan, Lisa K., to University of Pittsburgh of the Commonwealth System of Higher Education. Polymyxin lipopolysaccharide antigen and associated method. 4,870,158, 9-26-89, Cl. 530-319.000.

Karol, Robert: *See—*

Lovette, Spencer; Coassin, Peter; Karol, Robert; and Aho, John, 4,862,753, Cl. 73-863.230.

Karol, Thomas J., to R. T. Vanderbilt Company, Inc. Fuel compositions containing terpene derivatives of 2,5-dimercapto-1,3,4-thiadiazole. 4,795,479, 1-3-89, Cl. 44-63.000.

Karol, Thomas J., to R. T. Vanderbilt Company, Inc. Fuel compositions containing maleic derivatives of 2,5-dimercapto-1,3,4-thiadiazole. 4,880,437, 11-14-89, Cl. 44-57.000.

Karol, Thomas J.: *See—*

Rowan, Eugene V.; Karol, Thomas J.; and Farmer, Homer H., 4,889,647, Cl. 252-42.700.

Karoly, Robert E. Hydraulic inertia governor. 4,815,434, 3-28-89, Cl. 123-387.000.

Karoum, Farouk; and Costa, Erminio, to Fidia-Georgetown Institute for the Neurosciences. D-DOPA, pharmaceutically acceptable salts thereof, and methods of treating Parkinson's disease. 4,863,962, 9-5-89, Cl. 514-561.000.

Karoutas, Zeses E.: *See—*

Perrotti, Patrick A.; Joffre, Paul F.; Karoutas, Zeses E.; Corsetti, Lawrence V.; Bryan, William J.; and Hatfield, Stephen C., 4,879,090, Cl. 376-462.000.

Karow, Gerald D., to Messer Griesheim Industries, Inc. Slag flushing and water level control system for a metal cutting apparatus. 4,887,797, 12-19-89, Cl. 266-49.000.

Karp, Alan H., to International Business Machines Corporation. Hardware assist for protecting PC software. 4,866,769, 9-12-89, Cl. 380-4.000.

Karpas, Abraham, to Cenfold Holdings S.A. Diagnostic testing for antibodies against microorganisms. 4,814,269, 3-21-89, Cl. 435-5.000.

Karpas, Abraham, to Cenfold Holdings, S.A. Immunotherapy for AIDS patients. 4,863,730, 9-5-89, Cl. 424-86.000.

Karpati, Egon: *See—*

Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.

Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.

Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.

Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.

Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, 4,810,709, Cl. 514-283.000.

Karpiel, Harvey B.: *See—*

Deli, Jack M.; Nagorzanski, Al J.; Karpiel, Harvey B.; and Pisani, Marino J., 4,844,195, Cl. 180-9.500.

Karpinski, Krzysztof: *See—*

Friedrich, Pawel; Placzek, Wieslaw; Mynarz, Leszek; Karpinski, Krzysztof; Gaszewski, Jerzy; and Tarasiuk, Tadeusz, 4,838,075, Cl. 73-49.800.

Karpinski, Vivian L. Rod and bracket assembly and associated bed skirt. 4,860,398, 8-29-89, Cl. 5-493.000.

Karpisek, Ladislav S. Container base assembly. 4,807,774, 2-28-89, Cl. 220-6.000.

Karpisek, Ladislav S. Flow regulator for liquids. 4,869,721, 9-26-89, Cl. 604-250.000.

Karpitschka, Eva M.: *See—*

Link, Helmut; Montavon, Marc; Karpitschka, Eva M.; Klotzer, Wilhelm; and Mussner, Renate, 4,831,151, Cl. 514-398.000.

Karpiuk, Andrew. Adjustable seat. 4,826,240, 5-2-89, Cl. 297-6.000.

Karplus, Thomas E.; Ulevitch, Richard J.; and Wilson, Curtis B., to Scripps Clinic and Research Foundation. Method for reducing bacterial endotoxin contamination in solutions of macromolecules. 4,808,314, 2-28-89, Cl. 210-638.000.

Karpman, Maurice S., to Prime Computer, Inc. Circuit board thermal contact device. 4,825,337, 4-25-89, Cl. 361-386.000.

Karpowicz, John: *See—*

Boehringer, John R.; Nelson, Jay B.; and Karpowicz, John, 4,807,641, Cl. 128-725.000.

Karpp, Heinrich. Floor mop. 4,807,323, 2-28-89, Cl. 15-147.00A.

Karppala, Lauri A., Jr. Stereo head headphones bracket system. 4,888,805, 12-19-89, Cl. 381-25.000.

Karpuk, Michael E.; and Cowley, Scott W., to Technology Development Associates, Inc. Enhanced performance of alcohol fueled engine during cold conditions. 4,876,989, 10-31-89, Cl. 123-3.000.

Karr, Dieter: *See—*

Bruggen, Gerhard; Gaugler, Manfred; Karr, Dieter; and Winkler, Josef, 4,843,951, Cl. 92-5.00R.

Karr, Randall W.: *See—*

Plambeck, Eric D.; Walker, Thomas A.; and Karr, Randall W., 4,869,699, Cl. 446-47.000.

Karr, Stephen L., Jr., to Aphton Corporation. Method for immunization against and treatment of infection by ectoparasites and endoparasites. 4,814,170, 3-21-89, Cl. 424-88.000.

Karr, Steven G.: *See—*

O'Donnell, Matthew; Engeler, William E.; Vogelsong, Thomas L.; Karr, Steven G.; and Noujaim, Sharbel E., 4,839,652, Cl. 341-122.000.

Welles, Kenneth B., II; Noujaim, Sharbel E.; Vogelsong, Thomas L.; and Karr, Steven G., 4,796,236, Cl. 367-7.000.

Karras, Ernest; Chiodras, Peter J.; and Harrison, John M., to Tekno Industries, Inc. Carrier telephone service analysis system. 4,849,971, 7-18-89, Cl. 370-110.100.

Karreman, Lars-Olof: *See—*

Andreasson, Bo C.; Henriksson, Soren N.; and Karreman, Lars-Olof, 4,841,920, Cl. 123-41.660.

Karrenbauer, Michael: *See—*

Kleemann, Axel; Klostermann, Kurt; Leuchtenberger, Wolfgang; Moerck, Rudi E.; and Karrenbauer, Michael, 4,827,029, Cl. 562-559.000.

Karrfalt, Henry A., to Firestone Tire & Rubber Company, The. Non-penetrating roof membrane fastening system. 4,852,323, 8-1-89, Cl. 52-410.000.

Karrick, Gregory L.: *See—*

Wemple, James N.; Karrick, Gregory L.; and Spence, Floyd G., 4,885,386, Cl. 562-493.000.

Karrimor International Limited: *See—*

Parsons, Michael C., 4,809,893, Cl. 224-210.000.

Karsai, Istvan: *See—*

Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis, Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.

Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis, Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, to Nitrokemia Ipartelepek. Herbicidal compositions with prolonged action and improved selectivity. 4,844,726, 7-4-89, Cl. 71-87.000.

Karsai, Jozsef: *See—*

Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.

Karsh, Herbert, to Eastman Kodak Company. Optimizing the positioning of a pair of magnetic heads relative to spaced tracks on magnetic tape. 4,796,125, 1-3-89, Cl. 360-77.120.

Karsner, Grant C.: *See—*

Altman, Lawrence J.; Choi, Byung C.; and Karsner, Grant C., 4,880,748, Cl. 436-60.000.

Karsner, Grant G.: *See—*

Bartilucci, Mark P.; Karsner, Grant G.; and Tracy, William J., III, 4,874,505, Cl. 208-131.000.

Grove, J. Jay; and Karsner, Grant G., 4,853,106, Cl. 208-131.000.

Karspeck, Milan: *See—*

Leberl, Franz W.; Curry, Sean; and Karspeck, Milan, 4,809,066, Cl. 358-107.000.

Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,829,373, Cl. 358-88.000.

Leberl, Franz W.; Curry, Sean; Henrot, Denis; Karspeck, Milan; and Lee, Scott, 4,841,455, Cl. 364-525.000.

Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,849,912, Cl. 364-525.000.

Karst, David A.; Pawlowski, Felix R.; Potrafke, William A.; and Schuneman, Harold E., to General Dynamics Land Systems, Inc. Case-hardened plate armor and method of making. 4,857,119, 8-15-89, Cl. 148-318.000.

Karst, Siegfried: *See—*

Zobel, Jurgen; Karst, Siegfried; Zickwolf, Rolf; and Uhrich, Wilfried, 4,815,833, Cl. 350-445.000.

Karsten, Lee L.: *See—*

Strobel, Donald H.; Karsten, Lee L.; and Stolz, John D., 4,868,566, Cl. 340-870.300.

Karsten Manufacturing Corporation: *See—*

Solheim, John A.; and Keller, Gary E., 4,805,784, Cl. 211-94.000.

Solheim, John A.; and Schmidt, Gregory J., 4,834,235, Cl. 206-315.700.

Karsten Metaal B.V.: *See—*

de Brouwer-Elzenbroek, Grada; de Brouwer, Franciscus J. G. H.; de Brouwer, Rene E. R.; and de Brouwer, Monique Y. M., 4,887,444, Cl. 70-233.000.

Karstens, Werner: *See—*

Hoppe, Lutz; Huhn, Helmut; Karstens, Werner; and Reinhardt, Eugen, 4,833,199, Cl. 524-828.000.

Karstensen, Holger, to Siemens Aktiengesellschaft. Spherical planoconvex lens for optically coupling a semiconductor laser to an optical waveguide. 4,830,454, 5-16-89, Cl. 350-96.180.

Karstensen, Holger; and Klement, Ekkehard, to Siemens Aktiengesellschaft. Device for optical connections of one or more optical emitters with one or more optical detectors of one or more integrated circuits. 4,871,224, 10-3-89, Cl. 350-96.150.

Karstensen, Holger: *See—*

Klement, Ekkehard; Schneider, Hartmut; Karstensen, Holger; and Zschizky, Helmut, 4,889,401, Cl. 350-96.120.

Kartheiser, Peter J., to Allied-Signal Inc. Poly (vinyl chloride) polyamide multi-layer structures. 4,868,054, 9-19-89, Cl. 428-383.000.

Kartheus, Holger: *See—*

Pietsch, Hanns; Kartheus, Holger; Holtzmann, Hans-Joachim; Sachau, Gunther; and Reul, Helmut, 4,831,065, Cl. 523-112.000.

Kartner, Norbert: *See—*

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Karton, Boaz: *See—*

Ladan, Uri; Karton, Boaz; and Klipper, Aron, 4,840,105, Cl. 89-1.130.

Karton, Ishai: *See—*

Fisher, Abraham; Karton, Ishai; Heldman, Eliahu; Levy, Aharon; and Grunfeld, Yona, 4,855,290, Cl. 514-278.000.

Fisher, Abraham; and Karton, Ishai, 4,876,260, Cl. 514-278.000.

Kartridg Pak Co., The: *See—*

Cohrs, Donald E., 4,875,324, Cl. 53-88.000.

Rickard, William A.; and Andrews, William G., 4,869,096, Cl. 73-41.200.

Roberts, Gary F.; and Meeker, Rick A., 4,875,601, Cl. 222-145.000.

Shaw, Jimmie; and Brooker, Charles R., 4,824,027, Cl. 241-24.000.

Kartte, Klaus: *See—*

Brand, Uwe; De Decker, Emile; Deuker, Ernst; Fuchs, Hugo; Kartte, Klaus; Neubauer, Gerald; and Oostvogels, Jozef, 4,804,473, Cl. 210-634.000.

Kartzow, Manfred: *See—*

Schuster, Erich; and Kartzow, Manfred, 4,796,999, Cl. 356-394.000.

Karube, Norio, to Fanuc Ltd. High-frequency-discharge excited gas laser. 4,800,567, 1-24-89, Cl. 372-87.000.

Karube, Norio, to Fanuc Ltd. High frequency discharge excited coaxial type CO_2 laser. 4,802,184, 1-31-89, Cl. 372-82.000.

Karube, Norio, to Fanuc Ltd. Gas laser device. 4,852,114, 7-25-89, Cl. 372-58.000.

Karube, Norio, to Fanuc Ltd. Gas laser device. 4,866,238, 9-12-89, Cl. 219-121.780.

Karube, Norio; Egawa, Akira; Yamazaki, Etsuo; Iehisa, Nobuaki; and Manabe, Mitsuo, to Fanuc Ltd. Laser oscillator device. 4,887,272, 12-12-89, Cl. 372-38.000.

Karube, Yoshiyuki; Hayakawa, Toshimasa; and Yoshida, Yasunari, to Brother Kogyo Kabushiki Kaisha. Printing device having gear connected multiple feed paths. 4,875,790, 10-24-89, Cl. 400-605.000.

Karube, Yoshiyuki; and Kawahara, Yuji, to Brother Kogyo Kabushiki Kaisha. Printing device. 4,883,375, 11-28-89, Cl. 400-55.000.

Karunaratne, Arjuna R.: *See—*

Barney, Jonathan A., and Karunaratne, Arjuna R., 4,841,221, Cl. 323-320.000.

Karunasiri, Runkiri P.: *See—*

Coon, Darryl D.; Karunasiri, Runkiri P.; and Liu, Hui C., 4,873,555, Cl. 357-4.000.

Karweit, Michael J., to Johns Hopkins University, The. Method and apparatus for transmitting/recording computer-generated displays on an information channel having only audio bandwidth. 4,797,750, 1-10-89, Cl. 358-335.000.

Karwoski, Thaddeus M. Orthodontic wire terminal and attachment tool therefor. 4,797,094, 1-10-89, Cl. 433-22.000.

Karwowski, Jan; Magliacano, Anna M.; and Taylor, James B., to Nabisco Brands, Inc. Method for preparing a cereal. 4,834,988, 5-30-89, Cl. 426-20.000.

Karwowski, Jan: *See—*

Barnes, Robert C.; Caporaso, John A.; Winter, Gerald J.; and Karwowski, Jan, 4,848,579, Cl. 206-508.000.

Karwowski, Zbigniew T.: *See—*

Clark, Gordon P.; Karwowski, Zbigniew T.; and Tebinka, Henry, 4,831,215, Cl. 174-92.000.

Clark, Gordon P.; Karwowski, Zbigniew T.; and Tebinka, Henry, 4,839,471, Cl. 174-92.000.

Karydas, Athanasios, to Ciba-Geigy Corporation. Steam mediated fluorochemically enhanced oil recovery. 4,823,873, 4-25-89, Cl. 166-272.000.

Karydas, Athanasios, to Ciba-Geigy Corporation. Fluorinated cationic compounds. 4,836,958, 6-6-89, Cl. 260-501.150.

Karydas, Athanasios, to Ciba-Geigy Corporation. Use of organic fluorochemical compounds with oleophobic and hydrophobic groups in asphaltenic crude oils as viscosity reducing agents. 4,876,018, 10-24-89, Cl. 252-8.551.

Kasa, Keiji: *See—*

Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,836,325, Cl. 180-333.000.

Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,887,844, Cl. 280-779.000.

Handa, Akio; Kasa, Keiji; Hosoya, Eiji; and Shibukawa, Takerou, 4,799,708, Cl. 280-796.000.

Kasa, Koichi, to Pioneer Electronic Corporation. Reception sensitivity control system in a sweeping receiver. 4,856,082, 8-8-89, Cl. 455-161.000.

Kasa, Yasushi, to Fujitsu Limited. Signal transition detection circuit. 4,803,665, 2-7-89, Cl. 365-230.000

Kasa, Zoltan; and Farkas, Istran, to Medicor USA Ltd. Apparatus for setting exposure parameters of an X-ray generator. 4,811,374, 3-7-89, Cl. 378-96.000.

Kasahara, Akihiko: *See—*

Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.

Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Shibata, Shinji; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,870,046, Cl. 502-439.000.

Kasahara, Chiyoshi: *See—*

Hashimoto, Masashi; Oku, Teruo; Ito, Yoshikuni; Namiki, Takayuki; Sawada, Kozo; Kasahara, Chiyoshi; and Baba, Yukihisa, 4,883,800, Cl. 514-259.000.

Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; Kayakiri, Hiroshi; and Hashimoto, Masashi, 4,857,513, Cl. 514-76.000.

Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; and Kayakiri, Hiroshi, 4,889,851, Cl. 514-223.200.

Kasahara, Izumi; Kawauchi, Yasunobu; and Suzuki, Yoshio, to Toshiba Machine Co., Ltd. Electron beam lithography system for delineating a desired pattern on a target by means of electron beams. 4,868,395, 9-19-89, Cl. 250-398.000.

Kasahara, Kaoru: *See—*

Motegi, Takeo; Yamazaki, Mitsumasa; Iguchi, Hiroyuki; and Kasahara, Kaoru, 4,878,942, Cl. 71-109.000.

Kasahara, Keiji, to Abisare Co., Ltd. Electrostatic absorption sheet. 4,861,665, 8-29-89, Cl. 428-411.100.

Kasahara, Keiji, to Kabushiki Kaisha Abisare. Machine unit having retaining device using static electricity. 4,864,461, 9-5-89, Cl. 361-234.000.

Kasahara, Kenichi, to NEC Corporation. PNPN thyristor. 4,829,357, 5-9-89, Cl. 357-38.000.

Kasahara, Kenichi; and Tashiro, Yoshiharu, to NEC Corporation. Process for controlling an optical pnpn thyristor to be driven. 4,864,168, 9-5-89, Cl. 307-631.000.

Kasahara, Kensuke; Terakado, Tomoji; Inomoto, Yasumasa; Suzuki, Akira; and Itoh, Tomohiro, to NEC Corporation. Field-effect transistor and the same associated with an optical semiconductor device. 4,829,346, 5-9-89, Cl. 357-22.000.

Kasahara, Kensuke; Itoh, Tomohiro; and Ohata, Keiichi, to NEC Corporation. Indium-phosphide hetero-MIS-gate field effect transistor. 4,837,605, 6-6-89, Cl. 357-22.000.

Kasahara, Masahiko; and Narita, Mitsuru, to Fuji Electric Co., Ltd. Multilayer photoconductor for electrophotography. 4,837,099, 6-6-89, Cl. 430-58.000.

Kasahara, Masumi: *See—*

Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.

Kasahara, Michio: *See—*

Hayashi, Kenichi; Matsuoka, Yoshito; Kasahara, Michio; and Morita, Naoki, 4,830,920, Cl. 428-421.000.

Kasahara, Michiyo: *See—*

Mohri, Motoo; Tanaka, Hideaki; Suzuki, Tomonari; Tajima, Yoshimitsu; Yoshimoto, Yoshikazu; Nakajima, Shigeo; and Kasahara, Michiyo, 4,863,814, Cl. 429-60.000.

Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000.

Kasahara, Nobuo; and Nakahara, Toshio, to Ricoh Company, Ltd. Device for driving a photoconductive element of an electrophotographic copier etc. 4,835,582, 5-30-89, Cl. 355-3.0DR.

Kasahara, Nobuo; and Nakahara, Tosio, to Ricoh Company, Ltd. Image forming apparatus. 4,862,214, 8-29-89, Cl. 355-377.000.

Kasahara, Nobuo, to Ricoh Company, Ltd. Color image forming apparatus. 4,864,358, 9-5-89, Cl. 355-277.000.

Kasahara, Nobuo; Sato, Nobuyuki; and Noguchi, Yukio, to Ricoh Company, Ltd. Illuminating device for a color copier. 4,866,478, 9-12-89, Cl. 355-70.000.

Kasahara, Nobuo; Nakahara, Tosio; Watanuki, Masayosi; and Sawamura, Tadahide, to Ricoh Company, Ltd. Image forming apparatus and control system therefor. 4,872,037, 10-3-89, Cl. 355-271.000.

Kasahara, Nobuo: *See—*

Nakahara, Tosio; and Kasahara, Nobuo, 4,864,367, Cl. 355-272.000.

Kasahara, Riichiro; and Takada, Tadashi, to New Cosmos Electric Co. Ltd. Ozone gas sensor and ozone gas detecting device having ozone gas sensor. 4,885,929, 12-12-89, Cl. 73-23.000.

Kasahara, Takeshi, to Toko, Inc. Method of making a variable-capacitance diode device. 4,868,134, 9-19-89, Cl. 437-27.000.

Kasahara, Toshiharu: *See—*

Yamaguchi, Takahiro; Kasahara, Toshiharu; and Kosawa, Hiromi, 4,885,708, Cl. 364-553.000.

Kasahara, Toshiro: *See—*

Fujiwara, Katsuhiro; Oshiga, Takayuki; and Kasahara, Toshiro, 4,807,178, Cl. 364-900.000.

Oshiga, Takayuki; Fujiwara, Katsuhiro; Kasahara, Toshiro; and Oshida, Hiromi, 4,833,589, Cl. 364-140.000.

Kasahara, Tsukasa: *See—*

Ezaki, Satoru; Tanaka, Kiyofumi; Kasahara, Tsukasa; Hirose, Tetsuya; and Nakagawa, Tetsuro, 4,858,659, Cl. 140-105.000.

Kasahara, Yoshiki, to Yamaha Corporation. Remote control device. 4,878,055, 10-31-89, Cl. 341-23.000.

Kasai, Atsushi: *See—*

Kishiro, Osamu; Kasai, Atsushi; Nozawa, Seiichi; and Kamata, Hiroshi, 4,857,626, Cl. 528-176.000.

Kasai, Hiroshi: *See—*

Kanemaru, Toshihiko; Kasai, Hiroshi; and Toyota, Takeshi, 4,842,881, Cl. 426-307.000.

Toyota, Takeshi; Kanemaru, Toshihiko; and Kasai, Hiroshi, 4,806,370, Cl. 426-99.000.

Kasai, Hitoshi: *See—*

Hattori, Toshihiro; Ishihara, Masaki; Kasai, Hitoshi; and Asagi, Yasuyoshi, 4,843,555, Cl. 364-431.070.

Sugimura, Toshiya; Kasai, Hitoshi; and Yoshimura, Hiroshi, 4,858,131, Cl. 364-424.100.

Kasai, Isao, to Matsushita Electric Industrial Co., Ltd. A heating apparatus for automatically distinguishing the condition of food to be reheated. 4,874,928, 10-17-89, Cl. 219-492.000.

Kasai, Junichi; Imai, Hiroshi; and Yanagishima, Takayuki, to Nissan Motor Company Limited. Audio speaker system for automotive vehicle. 4,866,776, 9-12-89, Cl. 381-24.000.

Kasai, Kazumi, to Yoshida Kogyo K. K. Buckle assembly. 4,802,262, 2-7-89, Cl. 24-606.000.

Kasai, Kazumi, to Yoshida Kogyo K. K. Strap fastener. 4,815,175, 3-28-89, Cl. 24-193.000.

Kasai, Kazumi, to Yoshida Kogyo K. K. Swivel joint. 4,819,306, 4-11-89, Cl. 24-241.0SL.

Kasai, Kazumi, to Yoshida Kogyo K. K. Buckle assembly. 4,864,700, 9-12-89, Cl. 24-573.000.

Kasai, Kazumi, to Yoshida Kogyo K. K. Buckle assembly. 4,866,819, 9-19-89, Cl. 24-614.000.

Kasai, Kazumi, to Nippon Notion Kogyo Co., Ltd. Swivel joint assembly. 4,868,954, 9-26-89, Cl. 24-237.000.

Kasai, Kazumi; Itoh, Hiromi; Tanaka, Hitoshi; Oh-hori, Tatsuya; and Komeno, Junji, to Fujitsu Limited. Apparatus of metal organic chemical vapor deposition for growing epitaxial layer of compound semiconductor. 4,883,020, 11-28-89, Cl. 118-719.000.

Kasai, Kazumi, to Yoshida Kogyo K. K. Buckle assembly. 4,888,858, 12-26-89, Cl. 24-163.00R.

Kasai, Kikuo; Kodera, Kimio; and Maki, Mitsuo, to Platinum Pen Co., Ltd. Article storage container. 4,798,310, 1-17-89, Cl. 221-87.000.

Kasai, Kiyoshi; Hattori, Masayuki; Takeuchi, Hiromi; and Sakurai, Nobuo, to Japan Synthetic Rubber Co., Ltd. Capsule-shaped polymer particles and process for the production thereof. 4,798,691, 1-17-89, Cl. 264-47.000.

Kasai, Kiyoshi; Hattori, Masayuki; Shimizu, Tatsuya; and Tadenuma, Hiroshi, to Japan Synthetic Rubber Co., Ltd. Microencapsulated particles and process for production thereof. 4,828,955, 5-9-89, Cl. 430-111.000.

Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, to Tosoh Corporation. Actuator. 4,862,029, 8-29-89, Cl. 310-311.000.

Kasai Kogyo Co., Ltd.: *See—*

Fujita, Zenzo; Morita, Hirokiyo; and Morishita, Sadao, 4,873,045, Cl. 264-259.000.

Kasai, Kotoo. Ignition plug for improving fuel economy of an internal combustion engine and decreasing the amount of toxicants expelled to the environment. 4,859,900, 8-22-89, Cl. 313-120.000.

Kasai, Masaji; Kanda, Yutaka; Kono, Motomichi; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, to Kyowa Hakko Kogyo Kabushiki Kaisha. Mitomycin derivatives. 4,880,825, 11-14-89, Cl. 514-409.000.

Kasai, Masaji: *See—*

Kono, Motomichi; Kasai, Masaji; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,880,824, Cl. 548-422.000.

Murakata, Chikara; Sato, Akira; Kasai, Masaji; Kobayashi, Eiji; Morimoto, Makoto; and Akinaga, Shiro, 4,877,776, Cl. 514-43.000.

Saito, Yutaka; and Kasai, Masaji, 4,849,136, Cl. 260-351.500.

Saito, Yutaka; Kasai, Masaji; Shirahata, Kunikatsu; Kono, Motomichi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,853,385, Cl. 514-250.000.

Kasai, Masanori, to Bunka Shutter Co., Ltd.; and Lumitter Industry Co., Ltd. Slat opening/closing drive mechanism in shutter equipment. 4,838,331, 6-13-89, Cl. 160-36.000.

Kasai, Masayoshi: *See—*

Kurobe, Toshio; Kasai, Masayoshi; and Kayano, Masanori, 4,853,211, Cl. 424-44.000.

Kasai, Masuo; Maeda, Takeshi; Shigematsu, Kazuo; Kaku, Toshimitsu; and Takasago, Masahiro, to Hitachi, Ltd. Optical disc access method and optical disk storage using coarse and fine actuators. 4,866,687, 9-12-89, Cl. 369-32.000.

Kasai, Minoru; and Nakamura, Minoru, to Hitec Co., Ltd. Method and apparatus for delivering sausages to a bar. 4,880,105, 11-14-89, Cl. 198-465.400.

Kasai, Mitsuo: *See—*

Obayashi, Akira; Hiraoka, Nobutsugu; Ishizaki, Yukuo; Ohshima, Atsushi; and Kasai, Mitsuo, 4,868,115, Cl. 435-188.000.

Kasai, Motoko, personal representative: *See—*

Kasai, Yoichi, deceased; Kawamura, Akio; Nakanishi, Yoshimi; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, 4,883,452, Cl. 600-36.000.

Kasai, Naoya; Shima, Hisaharu; and Tsujimura, Kazuya, to Osaka Soda Co., Ltd. Process for producing optically active dichloropropanol using microorganism. 4,840,907, 6-20-89, Cl. 435-253.300.

Kasai, Ryusuke, to Nikka Co., Ltd. Inert gas-filling and sealing device, heat sealing device and packaging apparatus using these devices. 4,870,800, 10-3-89, Cl. 53-88.000.

Kasai, Shozou: *See—*

Inaba, Ryohei; Azuma, Yusaku; and Kasai, Shozou, 4,820,114, Cl. 414-751.000.

Kasai, Syoji: *See—*

Hirotsu, Tetsuji; Nakamura, Kiyoshi; Kasai, Syoji; Yamaguchi, Hiroshi; and Kozu, Eiji, 4,799,161, Cl. 364-426.010.

Kasai, Syozo, to Hitachi, Ltd. Detector for an electromagnetic flowmeter. 4,809,559, 3-7-89, Cl. 73-861.120.

Kasai, Tadashi: *See—*

Tanuma, Jiro; and Kasai, Tadashi, 4,808,985, Cl. 340-727.000.

Tanuma, Jiro; Akutsu, Naoji; and Kasai, Tadashi, 4,825,133, Cl. 318-113.000.

Kasai, Tetsuji: *See—*

Minami, Syuji; Kawamoto, Keiji; Kasai, Tetsuji; Kuroiwa, Toshiaki; and Todo, Akira, 4,874,808, Cl. 524-291.000.

Kasai, Tomoaki; and Sekiguchi, Seizo, to Yoshida Kogyo K. K. Apparatus for dyeing a fabric material. 4,873,847, 10-17-89, Cl. 68-178.000.

Kasai, Tomoaki: *See—*

Sugimoto, Isao; and Kasai, Tomoaki, 4,854,137, Cl. 68-15.000.

Kasai, Toshihiro; and Tsujii, Tatsuya, to Kabushiki Kaisha Toshiba. Developing apparatus for applying different color toners. 4,816,069, 3-28-89, Cl. 355-4.000.

Kasai, Toshihiro; and Ide, Naoaki, to Kabushiki Kaisha Toshiba. Recording apparatus. 4,837,600, 6-6-89, Cl. 355-208.000.

Kasai, Toshihiro: *See—*

Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,819,019, Cl. 355-3.00R.

Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,876,560, Cl. 346-153.100.

Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,885,596, Cl. 346-157.000.

Kasai, Toshio: *See—*

Iwatsuka, Takeshi; and Kasai, Toshio, 4,886,601, Cl. 210-321.790.

Kasai, Yasuo: *See—*

Fujii, Katsuhiko; Sato, Shiro; Miyanaga, Yasuhiro; Asami, Heizo; Takekoshi, Susumu; and Kasai, Yasuo, 4,856,849, Cl. 301-63.00R.

Kasai, Yoichi, deceased (by Kasai, Motoko, personal representative); Kawamura, Akio; Nakanishi, Yoshimi; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, to Hoxan Corporation. Method of fabricating frozen fine liver pieces for artificial liver, apparatus for freezing the same, and freezing vessel. 4,883,452, 11-28-89, Cl. 600-36.000.

Kasajima, Hirokazu: *See—*

Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Koizumi, Minoru; Kasajima, Hirokazu; and Nakai, Kozou, 4,803,683, Cl. 371-19.000.

Orimo, Masayuki; Mori, Kinji; Suzuki, Yasuo; Koizumi, Minoru; Kawano, Katsumi; Kasajima, Hirokazu; and Nakai, Kozo, 4,797,885, Cl. 371-19.000.

Kasakoshi, Toshiyuki: *See—*

Shibata, Ryoichi; and Kasakoshi, Toshiyuki, 4,874,927, Cl. 219-469.000.

Kasama, Akio: *See—*

Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.

Kasama, Nobuhiro, to Canon Kabushiki Kaisha. Cleaning device. 4,803,752, 2-14-89, Cl. 15-256.510.

Kasama, Nobuhiro: *See—*

Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.

Kasama, Yasuhiko: *See—*

Okabe, Kazuya; Kasama, Yasuhiko; Seki, Hitoshi; and Iwasaki, Chisato, 4,839,510, Cl. 250-211.00J.

Kasamatsu, Kiyoshi: *See—*

Ohtsubo, Toshiro; Tsuda, Shigenori; Manabe, Yukio; Kasamatsu, Kiyoshi; Takeda, Hisami; and Tsuji, Kozo, 4,889,719, Cl. 424-408.000.

Kasamatsu, Kiyoto: *See—*

Samejima, Kazuo; Tsuchihashi, Hironori; Sato, Tsuyoshi; Hamada, Toshihiko; Kida, Hideo; and Kasamatsu, Kiyoto, 4,882,898, Cl. 56-208.000.

Kasami, Akinobu: *See—*

Terashima, Kazutaka; Watanabe, Masayuki; and Kasami, Akinobu, 4,816,240, Cl. 423-299.000.

Kasamura, Toshiro: *See—*

Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.

Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, to Canon Kabushiki Kaisha. Developing device accommodating apparatus and image forming apparatus and developing device. 4,841,329, 6-20-89, Cl. 355-245.000.

Kasamura, Toshirou: *See—*

Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, Katsushi; Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, Yoshikuni; Kasamura, Toshirou; and Honma, Toshio, 4,845,528, Cl. 355-210.000.

Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.

Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-7.000.

Kusumoto, Toshihiko; Kasamura, Toshirou; Okuda, Naoki; Ohashi, Masashi; Sasaki, Nobukazu; and Nada, Minoru, 4,841,336, Cl. 355-245.000.

Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.

Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.

Kasan, Rodney; Yellin, Haim; and Seiffe, Michael, to Teva Pharmaceutical Industries Ltd. Stable, injectable solutions of vinca dimer salts. 4,883,805, 11-28-89, Cl. 514-411.000.

Kasan, Rodney; Seiffe, Michael; and Yellin, Haim, to Teva Pharmaceutical Industries Ltd. Stable aqueous cisplatin solutions. 4,889,724, 12-26-89, Cl. 424-649.000.

Kasanami, Tohru: *See—*

Senda, Atsuo; Kasanami, Tohru; and Nakagawa, Takuji, 4,833,004, Cl. 428-210.000.

Tani, Hiroji; Kasanami, Tohru; and Yokoi, Tsutomu, 4,877,565, Cl. 264-105.000.

Yokoi, Tsutomu; Tani, Hiroji; Kasanami, Tohru; Fukui, Norio; and Yamamoto, Keizou, 4,839,960, Cl. 29-620.000.

Kasanami, Toru: *See—*

Ariyoshi, Hisashi; Kasanami, Toru; and Fukuda, Susumu, 4,845,044, Cl. 437-24.000.

Kasano, Akira, to Kabushiki Kaisha Toshiba. Image data operation processing apparatus. 4,827,432, 5-2-89, Cl. 364-518.000.

Kasano, Akira; and Inoue, Yoichi, to Kabushiki Kaisha Toshiba. Image processing apparatus suitable for measuring depth of given point with respect to reference point using two stereoscopic images. 4,837,616, 6-6-89, Cl. 358-107.000.

Kasano, Akira, to Kabushiki Kaisha Toshiba. Method for realizing high-speed statistic operation processing and image data processing apparatus for embodying the method. 4,837,841, 6-6-89, Cl. 382-18.000.

Kasaoka, Katsuyuki: *See—*

Sasaki, Yoshiyuki; and Kasaoka, Katsuyuki, 4,835,956, Cl. 57-245.000.

Kasari, Akira: *See—*

Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, 4,871,591, Cl. 427-388.500.

Kasarsky, James L.; Scanlon, John F.; Church, John; and Wigell, Gary, to Sundstrand Corporation. Means and method for securing a composite rotor blade. 4,834,616, 5-30-89, Cl. 416-229.00R.

Kasashima, Hirokazu: *See—*

Koizumi, Minoru; Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Kasashima, Hirokazu; and Nakai, Kozo, 4,888,683, Cl. 364-200.000.

Nakai, Kozo; Hori, Shinji; Mori, Kinji; Kawano, Katsumi; Kasashima, Hirokazu; and Kawakami, Setsuo, 4,831,512, Cl. 364-200.000.

Wachi, Isao; Mori, Kinji; Suzuki, Yasuo; Orimo, Masayuki; Kawano, Katsumi; Koizumi, Minoru; Nakai, Kozo; and Kasashima, Hirokazu, 4,837,762, Cl. 370-89.000.

Kasatani, Yasushi: *See—*

Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, 4,838,804, Cl. 439-325.000.

Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, 4,864,116, Cl. 235-492.000.

Banjo, Toshinobu; Murasawa, Yasuhiro; Onoda, Shigeo; and Kasatani, Yasushi, 4,868,714, Cl. 361-395.000.

Kasbauer, Josef; Fiege, Helmut; Schmidt, Herbert; and Wedemeyer, Karlfried, to Bayer Aktiengesellschaft. Process for preparing 1,2-dichlorobenzene. 4,827,057, 5-2-89, Cl. 570-204.000.

Kasberger, Peter, to Fa. Lescha Maschinenfabrik GmbH. Excavator, in particular self-driving, hydraulic universal small excavator. 4,807,374, 2-28-89, Cl. 37-103.000.

Kasberger, Peter: *See—*

Schmid, Dieter; and Kasberger, Peter, 4,843,230, Cl. 250-223.00B.

Kasboske, George C., to Quintech Corporation. Multiple color light with structure to prevent color bleeding. 4,839,779, 6-13-89, Cl. 362-214.000.

Kascak, Thomas R. Therapeutic hand and arm exercise device. 4,822,027, 4-18-89, Cl. 272-67.000.

Kaschig, Jurgen, to Ciba-Geigy Corporation. Optically active styrene derivatives, polymers obtained from these, complexes with iridium(I) and their use. 4,800,224, 1-24-89, Cl. 546-12.000.

Kaschig, Jurgen, to Ciba-Geigy Corporation. Optically active iridium complexes, their preparation and their use in transfer hydrogenation. 4,851,534, 7-25-89, Cl. 546-12.000.

Kaschig, Jurgen, to Ciba-Geigy Corporation. Optically active iridium complexes and their use. 4,855,432, 8-8-89, Cl. 546-12.000.

Kaschig, Jurgen; and Finter, Jurgen, to Ciba-Geigy Corporation. Radiation-sensitive polymers which form a metal complex, process for the polymerization of acetylene, and coated material. 4,857,614, 8-15-89, Cl. 526-172.000.

Kaschig, Jurgen: *See—*

Hefti, Heinz; Lehmann, Urs; Reinehr, Dieter; and Kaschig, Jurgen, 4,830,763, Cl. 252-8.600.

Kascsak, Richard J.: *See—*

Wisniewski, Henryk M.; Kascsak, Richard J.; Rubenstein, Richard; Merz, Patricia A.; and Tonna-DeMasi, Maria, 4,806,627, Cl. 530-387.000.

Kasdan, Abraham, to North American Philips Corporation. Method of measuring plasma densities and temperatures. 4,864,593, 9-5-89, Cl. 378-4.000.

Kase, Hiroshi: *See—*

Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Katsuhiko; Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, 4,868,159, Cl. 514-25.000.

Kase, Keizo; Idai, Tsutomu; Ishii, Kazumasa; and Takahashi, Eiji, to Maruzen Petrochemical Co., Ltd. Process for the recovery of high-purity m-ethylphenol. 4,847,435, 7-11-89, Cl. 568-750.000.

Kase, Masao: *See—*

Koizumi, Toshiaki; Kase, Masao; Otaki, Masatsugu; Yamashita, Masakazu; Tanaka, Kenji; and Matsuura, Ryo, 4,845,700, Cl. 369-75.200.

Matsuura, Ryo; Isobe, Nobuyuki; and Kase, Masao, 4,882,722, Cl. 369-75.200.

Nozu, Shinsaku; Kase, Masao; and Yamashita, Masakazu, 4,841,518, Cl. 369-270.000.

Kase, Minoru: *See—*

Nakano, Akira; Higashioka, Hiroshi; Nomura, Masaki; Kawahara, Yoshiharu; Yamashita, Ko; Sano, Yoshito; and Kase, Minoru, 4,861,612, Cl. 426-607.000.

Kase, Mitsu: *See—*

Mayumi, Etsuo; Hoshino, Michio; and Kase, Mitsu, 4,806,811, Cl. 310-89.000.

Kasebe, Osamu: *See—*

Yamauchi, Yoshiyuki; Ohhara, Toshio; Ogawa, Shinji; Kuroyanagi, Isao; Otsuka, Haruhiko; Takahashi, Toshio; and Kasebe, Osamu, 4,821,531, Cl. 62-515.000.

Kasegawa, Norimichi, to Toyota Jidosha Kabushiki Kaisha. Control device for differential limiting mechanisms of four-wheel drive car. 4,874,059, 10-17-89, Cl. 180-249.000.

Kasegrande, Stephen S.: *See—*

Irani, Cyrus A.; Cozewith, Charles; and Kasegrande, Stephen S., 4,857,633, Cl. 528-498.000.

- Kasei Optonix, Ltd.: *See—*
  - Hase, Takashi; Jinnai, Toshio; Fujino, Shigeo; Hayashi, Masato; and Toshinai, Akio, 4,810,416, Cl. 252-301.60R.
  - Hase, Takashi; and Yoshida, Hidemi, 4,874,985, Cl. 313-487.000.
  - Horiuchi, Hidenaga; Suzuki, Hisao; Aoki, Yuji; and Miura, Norio, 4,816,350, Cl. 428-690.000.
  - Iwasaki, Kazuhito; Tono, Hideo; and Omatoi, Susumu, 4,814,666, Cl. 313-468.000.
  - Kagami, Akiyasu; and Hase, Takashi, 4,831,269, Cl. 250-484.100.
  - Kotera, Noboru; Eguchi, Shusaku; and Miura, Norio, 4,889,996, Cl. 250-484.100.
  - Mikami, Tomoki; Tokunaga, Yukio; Natsugari, Mitsuharu; Omatoi, Susumi; and Yokota, Shinji, 4,795,589, Cl. 252-301.60F.
  - Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.
  - Shimizu, Etsuo; Kotera, Noboru; Onogi, Shinichi; and Hitomi, Teiichi, 4,839,243, Cl. 428-690.000.
- Kaselow, Dietmar: *See—*
  - Krohn, Gunter; and Kaselow, Dietmar, 4,846,144, Cl. 126-39.00G.
- Kaselow, Dietmar G., to Cramer GmbH & Co., Kommanditgesellschaft. Gas range with at least one burner covered by a glass ceramic plate. 4,830,602. 5-16-89, Cl. 431-80.000.
- Kaser, Adolf, to Ciba-Geigy Corporation. Process for the preparation of disperse dyes. 4,804,767, 2-14-89, Cl. 549-65.000.
- Kaser, Adolf: *See—*
  - Tzikas, Athanassios; and Kaser, Adolf, 4,818,247, Cl. 8-549.000.
- Kaser, Beda, to Zumbach Electronic AG. Process for the production of a telecentric light beam, device for carrying out this process and process for the production of an HOE. 4,832,426, 5-23-89, Cl. 350-3.720.
- Kaser, Manfred, to J. Hirschmann Geratebau GmbH & Co. KG. Apparatus for imaging an object on an electrooptical transducer. 4,842,407, 6-27-89, Cl. 356-344.000.
- Kaser, Rene : *See—*
  - Winkler, Niklaus; and Kaser, Rene , 4,847,976, Cl. 29-433.000.
- Kash, Jeffrey A.: *See—*
  - Beha, Johannes G.; Dreyfus, Russell W.; Kash, Jeffrey A.; and Rubloff, Gary W., 4,845,425, Cl. 324-158.00R.
- Kash, Richard: *See—*
  - Osterhout, Ralph; Kash, Richard; Cederlind, Gregory; and Gleason, Greta L., 4,794,803, Cl. 73-865.100.
- Kasha Amplifiers: *See—*
  - Kasha, John, 4,864,245, Cl. 330-65.000.
- Kasha, John, to Kasha Amplifiers. Modification unit for an amplifier. 4,864,245, 9-5-89, Cl. 330-65.000.
- Kasha, Walter J.; and Burnison, Chantal S., to CBD Corporation. Oxygenated alkyl substituted bicyclo alkanes. 4,855,322, 8-8-89, Cl. 514-546.000.
- Kashdan, David S., to Eastman Kodak Company. Polymer blends having reverse phase morphology for controlled delivery of bioactive agents. 4,795,641, 1-3-89, Cl. 424-438.000.
- Kashi, Motofumi; and Shimoe, Hiroaki, to Kabushiki Kaisha Tohken. Color recognition apparatus. 4,797,738, 1-10-89, Cl. 358-101.000.
- Kashibe, Masaki; Sugishita, Hideyuki; and Okada, Nobuyoshi, to UBE Industries, Ltd. Process of regenerating palladium salt catalysts. 4,822,760, 4-18-89, Cl. 502-24.000.
- Kashida, Meguru: *See—*
  - Ogawa, Masahiko; Kashida, Meguru; and Isobe, Kenichi, 4,849,491, Cl. 528-15.000.
- Kashida, Motokazu; Masui, Toshiyuki; Fukatsu, Tsutomu; Takahashi, Koji; Takei, Masahiro; and Nagasawa, Kenichi, to Canon Kabushiki Kaisha. Rotary head type multichannel information signal reproducing apparatus having sub-information search function. 4,803,570, 2-7-89, Cl. 360-61.000.
- Kashida, Motokazu; Takei, Masahiro; Takahashi, Kouji; Masui, Toshiyuki; Fukatsu, Tsutomu; and Nagasawa, Kenichi, to Canon Kabushiki Kaisha. Data recording apparatus. 4,807,057, 2-21-89, Cl. 360-32.000.
- Kashida, Motokazu; Kozuki, Susumu; Takimoto, Hiroyuki; Takahashi, Kouji; and Nagasawa, Kenichi, to Canon Kabushiki Kaisha. Information signal recording and/or reproducing apparatus. 4,811,120, 3-7-89, Cl. 37-5.000.
- Kashida, Motokazu; and Masui, Toshiyuki, to Canon Kabushiki Kaisha. Information signal transmission system by predictive differential coding. 4,875,222, 10-17-89, Cl. 375-26.000.
- Kashida, Motokazu: *See—*
  - Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.
  - Kozuki, Susumu; Takei, Masahiro; Masui, Toshiyuki; Hirasawa, Masahide; and Kashida, Motokazu, 4,803,684, Cl. 371-31.000.
  - Masui, Toshiyuki; Kashida, Motokazu; Takahashi, Koji; and Nagasawa, Kenichi, 4,878,134, Cl. 360-77.150.
  - Shimokoriyama, Makoto; Yamashita, Shinichi; Abe, Naoto; Kashida, Motokazu; Takei, Masahiro; and Takahashi, Koji, 4,875,090, Cl. 358-12.000.
  - Takei, Masahiro; Masui, Toshiyuki; Kashida, Motokazu; and Takahashi, Kouji, 4,858,037, Cl. 360-60.000.
- Kashihara, Akio; Ishii, Keizou; and Ishikura, Shinichi, to Nippon Paint Co., Ltd. Composite basic resin particles, its preparation and resinous composition for coating use containing the same. 4,842,936, 6-27-89, Cl. 428-407.000.
- Kashihara, Akio; Miyazono, Tadafumi; Ishii, Keizou; and Ishikura, Shinichi, to Nippon Paint Co., Ltd. Polymerizable amphoinic resins having silicon-containing organic group. 4,870,132, 9-26-89, Cl. 525-100.000.
- Kashihara, Akio: *See—*
  - Kida, Katsuaki; Kashihara, Akio; Ishii, Keizou; and Kayano, Hiromichi, 4,803,252, Cl. 526-297.000.
  - Miyazono, Tadafumi; Kashihara, Akio; and Ishikura, Shinichi, 4,833,189, Cl. 525-274.000.
  - Miyazono, Tadafumi; Kashihara, Akio; and Ishikura, Shinichi, 4,833,208, Cl. 525-285.000.
- Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, to Doryokuro Kakunenryo Kaihatsu Jigyodan. High-speed centrifugal extractor having spiral liquid path. 4,824,430, 4-25-89, Cl. 494-22.000.
- Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, to Doryokuro Kakunenryo Kaihatsu Jigyodan. High-speed centrifugal extractor having improved weirs. 4,857,040, 8-15-89, Cl. 494-22.000.
- Kashihara, Teruo; and Shigenaka, Makoto, to Mazda Motor Corporation. Method of and system for assembling vehicle bodies. 4,844,326, 7-4-89, Cl. 228-182.000.
- Kashihara, Yuji; Tage, Yutaka; Nakamura, Yasunari; Ito, Hiroshi; and Takahashi, Tokuyuki, to Toyota Jidosha Kabushiki Kaisha. Device for controlling 4wd vehicle central differential restriction device according to front and rear wheels rotational speed difference, and method of operation thereof. 4,840,247, 6-20-89, Cl. 180-249.000.
- Kashihara, Yuji, to Toyota Jidosha Kabushiki Kaisha. Hydraulic control system for automatic transmission. 4,843,922, 7-4-89, Cl. 74-866.000.
- Kashihara, Yuji; Taga, Yutaka; and Kubo, Seitoku, to Toyota Jidosha Kabushiki Kaisha. Hydraulic control system for automatic transmission with shifting shock reducing means. 4,882,952, 11-28-89, Cl. 74-867.000.
- Kashihara, Yuji: *See—*
  - Hamano, Yukio; Kashihara, Yuji; Sakurai, Keita; Yasue, Hideki; and Fukumura, Kagenori, 4,838,124, Cl. 74-866.000.
  - Sakaguchi, Yoshikazu; Taga, Yutaka; and Kashihara, Yuji, 4,840,092, Cl. 74-869.000.
  - Taga, Yutaka; and Kashihara, Yuji, 4,879,925, Cl. 74-867.000.
- Kashikawa, Takahiro: *See—*
  - Sawatari, Norio; Ebisu, Katsuji; Watanuki, Tsuneo; Katagiri, Yoshimichi; Kashikawa, Takahiro; and Narusawa, Toshiaki, 4,849,317, Cl. 430-106.600.
- Kashiki, Hajime: *See—*
  - Onoue, Kazuhiko; and Kashiki, Hajime, 4,853,603, Cl. 318-568.150.
- Kashima Industries Co.: *See—*
  - Takimoto, Hideo; Tokuda, Katsuji; and Yamamoto, Koji, 4,882,216, Cl. 428-209.000.
- Kashima, Kenichi: *See—*
  - Hisaki, Masakatu; Kashima, Kenichi; Sakamoto, Yasuhiko; Hojo, Masakazu; Katayama, Osamu; and Hata, Hiroyoshi, 4,874,773, Cl. 514-355.000.
- Kashima, Koji: *See—*
  - Mitani, Akio; Kashima, Koji; and Yamaguchi, Hiroichi, 4,850,424, Cl. 165-10.000.
- Kashima, Masao: *See—*
  - Miyashita, Yasuo; and Kashima, Masao, 4,803,591, Cl. 361-321.000.
- Kashima, Masataka: *See—*
  - Kobayashi, Haruo; Yoshizaki, Akira; Hoda, Takeo; and Kashima, Masataka, 4,853,721, Cl. 354-21.000.
- Kashima, Norio: *See—*
  - Kakii, Toshiaki; Toda, Yuichi; Usui, Yuichi; Osanai, Mitsuaki; Kashima, Norio; and Kato, Yasuyaki, 4,830,490, Cl. 356-73.100.
- Kashima Oil Company, Limited: *See—*
  - Watanabe, Masami, 4,814,121, Cl. 264-29.200.
- Kashima, Takayuki; Sakabe, Akira; and Yamanaka, Yoshifumi, to Hitachi Seiko, Ltd. Inverter controlled-type power source for arc welding. 4,876,433, 10-24-89, Cl. 219-130.510.
- Kashima, Toshihiro; and Fukuda, Minoru, to Toyo Boseki Kabushiki Kaisha. Optical recording medium. 4,873,131, 10-10-89, Cl. 428-64.000.
- Kashima, Yoshio; Kinugasa, Hirofumi; Yoshida, Yasuo; and Iwanaga, Teruo, to Dainippon Plastics Co., Ltd.; and Iwasaki Electric Co., Ltd. Weather resistance tester. 4,817,447, 4-4-89, Cl. 73-865.600.
- Kashima, Yutaka: *See—*
  - Hagimoto, Hakumi; Kashima, Yutaka; Kondo, Norio; and Inoue, Masami, 4,797,031, Cl. 405-133.000.
- Kashimura, Eiji: *See—*
  - Honda, Takashi; Furutani, Yasumasa; Ohashi, Kenya; Kashimura, Eiji; Minato, Akira; Ohsumi, Katsumi; and Itou, Hisao, 4,828,790, Cl. 376-306.000.
- Kashimura, Eizi: *See—*
  - Ohashi, Kenya; Honda, Takashi; Furutani, Yasumasa; Kashimura, Eizi; Minato, Akira; and Ohsumi, Katsumi, 4,820,473, Cl. 376-305.000.
- Kashimura, Kazunori: *See—*
  - Ando, Masahiro; Morita, Osamu; Kashimura, Kazunori; Sasaki, Takahide; Chikamoto, Kouichi; Takahasi, Koji; and Nagasawa, Kenichi, 4,868,924, Cl. 360-96.500.
- Kashimura, Masashi: *See—*
  - Hanada, Kazuyuki; Misaizu, Iwao; Kashimura, Masashi; Goto, Tomoko; and Kuriyama, Katsumi, 4,853,418, Cl. 521-154.000.
  - Kuriyama, Katsumi; Hanada, Kazuyuki; Nakamura, Susumu; Misaizu, Iwao; Kashimura, Masashi; and Goto, Tomoko, 4,837,198, Cl. 503-227.000.
- Kashimura, Noboru: *See—*
  - Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and Hisamura, Masafumi, 4,877,701, Cl. 430-59.000.
- Kashimura, Yuichi: *See—*
  - Morita, Tatsuo; Hidaka, Terufumi; and Kashimura, Yuichi, 4,819,603, Cl. 123-425.000.
- Kashio, Hideyuki: *See—*
  - Kaneko, Toshimi; Fujinaga, Ryuichi; Morinaga, Tetsuya; Senda, Atsuo; Numata, Toshi; and Kashio, Hideyuki, 4,797,648, Cl. 336-192.000.
- Kashio, Jiro: *See—*
  - Furuhashi, Koshi; Miyazaki, Satoshi; Furuya, Masakazu; Kawatobi, Tatsuo; Kouyama, Sinichi; and Kashio, Jiro, 4,875,208, Cl. 370-94.100.
  - Mizuhara, Noboru; Hoshi, Tohru; Kashio, Jiro; and Morita, Takashi, 4,837,816, Cl. 379-221.000.
  - Nakayashiki, Susumu; Kashio, Jiro; and Harakawa, Takeshi, 4,815,069, Cl. 370-16.000.
  - Nakayashiki, Susumu; Kashio, Jiro; and Harakawa, Takeshi, 4,887,256, Cl. 370-16.000.
  - Sasaki, Hisao; Terada, Matsuaki; Matsui, Susumu; Kawakita, Kenji; Kashio, Jiro; Baba, Shiro; Akao, Yasushi; and Okochi, Toshio, 4,881,167, Cl. 364-200.000.
- Kashiwa, Bryan A. Snow ski and method of making the same. 4,858,945, 8-22-89, Cl. 280-610.000.
- Kashiwa Co., Ltd.: *See—*
  - Hodate, Tomoshi; and Nitta, Haruyoshi, 4,830,605, Cl. 431-170.000.
- Kashiwa, Norio; Toyota, Akinori; and Kioka, Mamoru, to Mitsui Petrochemical Industries, Ltd. Process for producing olefin polymers. 4,841,003, 6-20-89, Cl. 526-125.000.
- Kashiwa, Norio: *See—*
  - Kioka, Mamoru; Sugi, Masahiro; Toyota, Akinori; and Kashiwa, Norio, 4,822,840, Cl. 525-240.000.
  - Kioka, Mamoru; and Kashiwa, Norio, 4,874,734, Cl. 502-104.000.
  - Kohyama, Masaki; Muranaka, Takeshi; Fukui, Kunisuke; and Kashiwa, Norio, 4,801,672, Cl. 526-348.200.
  - Yoshitake, Junichi; Kitani, Hiroaki; Kashiwa, Norio; Muranaka, Takeshi; Tominari, Kenichi; and Nagamatsu, Shigeki, 4,798,866, Cl. 525-191.000.
- Kashiwaba, Noriaki: *See—*
  - Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,316, Cl. 546-214.000.
- Kashiwaba, Satoshi: *See—*
  - Nakajima, Masahiro; and Kashiwaba, Satoshi, 4,811,359, Cl. 375-10.000.
- Kashiwaba, Tadao: *See—*
  - Sato, Yo; and Kashiwaba, Tadao, 4,820,064, Cl. 400-120.000.
  - Sato, Yo; and Kashiwaba, Tadao, 4,830,522, Cl. 400-120.000.
- Kashiwabara, Akihiro: *See—*
  - Miyake, Hiroyuki; Kashiwabara, Akihiro; Sagara, Seiji; Nakamura, Shinichi; and Ohbuchi, Toru, 4,870,448, Cl. 355-235.000.
- Kashiwabara, Hiroshi: *See—*
  - Kimura, Akira; Kashiwabara, Hiroshi; and Fujiyama, Hirohisa, 4,841,116, Cl. 219-73.100.
- Kashiwabara, Houichiro: *See—*
  - Kouchi, Takeshi; Kashiwabara, Houichiro; Waki, Osamu; and Ohe, Kôji, 4,868,719, Cl. 362-61.000.
- Kashiwabara, Susumu: *See—*
  - Mita, Akio; Dobashi, Akio; and Kashiwabara, Susumu, 4,851,082, Cl. 162-76.000.
- Kashiwabara, Yoshihiko: *See—*
  - Ikeda, Hidekatsu; Miyama, Hidetoshi; and Kashiwabara, Yoshihiko, 4,802,567, Cl. 198-345.000.
- Kashiwada, Ken; Muto, Tadanobu; and Sasaki, Tetsuo, to Shinwa Sangyo Co., Ltd. Heat exchanger for cooling tower. 4,874,035, 10-17-89, Cl. 165-38.000.
- Kashiwada, Kunio: *See—*
  - Hasumoto, Toshiharu; Kashiwada, Kunio; Konishi, Minoru; and Fujishiro, Nobuo, 4,874,403, Cl. 55-55.000.
- Kashiwada, Minoru: *See—*
  - Miwa, Harufumi; Kashiwada, Minoru; and Goto, Ikuo, 4,877,583, Cl. 422-73.000.
- Kashiwadani, Nobuo; and Ohta, Hitoshi, to Chugai Ro Co., Ltd. Method of sintering an injection-molded article. 4,836,980, 6-6-89, Cl. 419-36.000.
- Kashiwadate, Ken: *See—*
  - Satake, Yoshikatsu; Kashiwadate, Ken; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,826,906, Cl. 524-381.000.
  - Seo, Ikuo; Sakaguchi, Yasuo; and Kashiwadate, Ken, 4,863,708, Cl. 423-447.200.
- Kashiwagi, Eiichi; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, to Tokyo Ohka Kogyo Co., Ltd. Coating solution for forming a silica-based coating film. 4,865,649, 9-12-89, Cl. 106-287.160.
- Kashiwagi, Eiichi: *See—*
  - Nakayama, Muneo; Uehara, Akira; Hashimoto, Akira; Nishimura, Toshihiro; Hijikata, Isamu; Minato, Mitsuaki; and Kashiwagi, Eiichi, 4,868,096, Cl. 430-329.000.
- Kashiwagi, Hidesato: *See—*
  - Odawara, Kazuharu; and Kashiwagi, Hidesato, 4,866,693, Cl. 369-75.200.
- Kashiwagi, Hiroshi: *See—*
  - Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.
- Kashiwagi, Kazuhiko, to Kabushiki Kaisha Toshiba. Printer. 4,840,506, 6-20-89, Cl. 400-621.000.
- Kashiwagi, Masato: *See—*
  - Tamaru, Sinji; Kubo, Motonobu; and Kashiwagi, Masato, 4,877,859, Cl. 528-129.000.
- Kashiwagi, Masatoshi: *See—*
  - Homma, Shiro; Kashiwagi, Masatoshi; and Arita, Hiroyuki, 4,808,367, Cl. 264-555.000.
- Kashiwagi, Shigeo: *See—*
  - Kawano, Michiari; Higashimoto, Masayuki; Kashiwagi, Shigeo; Nakano, Jun; and Shimizu, Osamu, 4,833,519, Cl. 357-59.000.
- Kashiwagi, Shigeru, to Victor Company of Japan, Ltd. CRT horizontal deflection circuit enabling horizontal sweep width adjustment with stabilized EHT output. 4,801,852, 1-31-89, Cl. 315-400.000.
- Kashiwagi, Tohru: *See—*
  - Okita, Koichi; Asako, Shigeru; Yamada, Katsuya; Okabe, Kazuhiro; and Kashiwagi, Tohru, 4,822,361, Cl. 623-12.000.
- Kashiwai, Mikio; and Kihara, Teruo, to Honda Giken Kogyo Kabushiki Kaisha. Apparatus for taking-off power from a transmission to a speedometer in a motorcycle. 4,869,120, 9-26-89, Cl. 74-12.000.
- Kashiwamura, Kazuo: *See—*
  - Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,822,390, Cl. 62-6.000.
  - Kazumoto, Yoshio; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,856,283, Cl. 62-6.000.
  - Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,872,313, Cl. 62-6.000.
- Kashiwara, Hideaki: *See—*
  - Kashiwara, Takeaki; Kashiwara, Ryohei; and Kashiwara, Hideaki, 4,808,878, Cl. 313-141.000.
  - Kashiwara, Takeaki; Kashiwara, Ryohei; and Kashiwara, Hideaki, 4,851,732, Cl. 313-141.000.
- Kashiwara, Ryohei: *See—*
  - Kashiwara, Takeaki; Kashiwara, Ryohei; and Kashiwara, Hideaki, 4,808,878, Cl. 313-141.000.
  - Kashiwara, Takeaki; Kashiwara, Ryohei; and Kashiwara, Hideaki, 4,851,732, Cl. 313-141.000.
- Kashiwara, Takeaki; Kashiwara, Ryohei; and Kashiwara, Hideaki. Ignition plug for internal combustion engines to cause instant combustion. 4,808,878, 2-28-89, Cl. 313-141.000.
- Kashiwara, Takeaki; Kashiwara, Ryohei; and Kashiwara, Hideaki. Spark plug having a flame deflector for use in an internal combustion engine. 4,851,732, 7-25-89, Cl. 313-141.000.
- Kashiwaya, Kunio; Haga, Hiroyo; Saeki, Nobuo; Yabuki, Youichi; Ozoe, Kuniyuki; Fukushima, Shinichi; and Tabata, Kazufumi, to Nippon Steel Corporation; and Nippon Steel Welding Products & Engineering Co., Ltd. Apparatus for passing optical fibers through tubular products. 4,802,270, 2-7-89, Cl. 29-241.000.
- Kashiwaya, Mineo: *See—*
  - Tanabe, Yoshiyuki; and Kashiwaya, Mineo, 4,838,223, Cl. 123-339.000.
- Kashiwayanagi, Yuzo: *See—*
  - Kojima, Seiji; Ikeda, Masakiyo; Kikuchi, Hiroshi; and Kashiwayanagi, Yuzo, 4,798,743, Cl. 427-255.000.
  - Yoshida, Seikoh; Kikuta, Toshio; and Kashiwayanagi, Yuzo, 4,853,066, Cl. 156-616.400.
- Kashiwazaki, Masamichi: *See—*
  - Motai, Toshiki; and Kashiwazaki, Masamichi, 4,829,938, Cl. 122-716.000.
- Kashiwazaki, Susumu: *See—*
  - Yamashita, Koujirou; Endo, Stunehiro; Miyashita, Kunio; Kashiwazaki, Susumu; and Iizuka, Kenichi, 4,855,652, Cl. 318-268.000.
- Kashiwazaki, Takashi: *See—*
  - Ando, Hitoshi; Kashiwazaki, Takashi; and Hosoi, Masayuki, 4,831,563, Cl. 364-571.050.
  - Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, 4,837,700, Cl. 364-449.000.
  - Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, 4,890,233, Cl. 364-457.000.
  - Fukushima, Atsuhiko; Kashiwazaki, Takashi; Hosoi, Masayuki; and Ando, Hitoshi, 4,807,157, Cl. 364-521.000.
- Kashiwazaki, Tomoyuki: *See—*
  - Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.
  - Okawa, Kazuyoshi; Moriya, Kazumasa; Kashiwazaki, Tomoyuki; Kawashima, Hiroshi; and Murakawa, Yoshitaka, 4,876,966, Cl. 104-290.000.
- Kashiyama Kogyo Co. Ltd.: *See—*
  - Chida, Shouhei; Yamaoto, Naoki; Miyazaki, Yasuo; and Sato, Yasunori, 4,859,119, Cl. 405-269.000.
- Kashiyama, Setuo: *See—*
  - Tada, Hisashi; Saruta, Masahiro; Murata, Takashi; Agata, Akira; and Kashiyama, Setuo, 4,832,932, Cl. 423-447.200.
- Kashizaki, Yoshio: *See—*
  - Umehara, Shoji; and Kashizaki, Yoshio, 4,868,080, Cl. 430-73.000.
- Kashman, Yoel; Spector, Ilan; Carmely, Shmuel; and Blasberger, Dina, to Research Foundation of State University of New York, The. New compounds for the study and treatment of microfilament organization in cells. 4,857,538, 8-15-89, Cl. 514-369.000.
- Kashman, Yoel: *See—*
  - Gunasekera, Sarath P.; Cross, Sue S.; Kashman, Yoel; Lui, May S.; Rinehart, Kenneth L.; and Tsujii, Shinji, 4,866,084, Cl. 514-397.000.

Kasho, Vladimir N.: *See—*

Atabekov, Iosif G.; Avaeva, Svetlana M.; Baikov, Alexandr A.; Kulinich, Alexandr V.; Mizenina, Olga A.; Kasho, Vladimir N.; and Smirnova, Irina N., 4,808,522, Cl. 435-7.000.

Kashyap, Raman: *See—*

Winter, Christopher S.; and Kashyap, Raman, 4,840,461, Cl. 350-346.000.

Kasi, Srinandan R.: *See—*

Rabalais, John W.; and Kasi, Srinandan R., 4,822,466, Cl. 204-192.150.

Kasica, James J.: *See—*

Eden, James L.; Kasica, James J.; and Zallie, James P., 4,874,628, Cl. 426-578.000.

Kasik, John P., to Stewart Systems, Inc. Continuous proofing and baking apparatus having magnetic conveyor system. 4,836,360, 6-6-89, Cl. 198-803.600.

Kasima Road Company: *See—*

Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,854,769, Cl. 404-72.000.

Kasiske, W. Charles, Jr.; and Fiske, John M., to Eastman Kodak Company. Apparatus for scavenging unwanted particles from a photoconductor of an electrographic apparatus. 4,797,708, 1-10-89, Cl. 355-15.000.

Kaskel, Harold: *See—*

Genoa, Joseph; Kaskel, Harold; and Nelson, Carl, 4,804,333, Cl. 439-191.000.

Genoa, Joseph; Kaskel, Harold; and Nelson, Carl, 4,826,444, Cl. 439-191.000.

Kaskey, Jeffrey A.: *See—*

Priatko, Gordon J.; and Kaskey, Jeffrey A., 4,881,190, Cl. 364-718.000.

Kasner, Clayton S., to Design Improvement Corporation. Drain valve device. 4,877,218, 10-31-89, Cl. 251-61.300.

Kasner, William H.; Toth, Vincent A.; and Hawkins, Phillip J., to Westinghouse Electric Corp. Flexible laser welding head for sleeve-to-tube welding. 4,827,098, 5-2-89, Cl. 219-121.630.

Kasner, William H.; Swensrud, Roger L.; Soroka, Daniel P.; Su, Wei-Fang A.; Wutzke, Steve A.; Toth, Vincent A.; and Scala, Luciano C., to Westinghouse Electric Corp. Technique for the application and cure of photosensitive paints. 4,844,947, 7-4-89, Cl. 427-53.100.

Kasner, William H.; Kun, Zoltan K.; Leksell, David; and Toth, Vincent A., to Westinghouse Electric Corp. Process for defining an array of pixels in a thin film electroluminescent edge emitter structure. 4,885,448, 12-5-89, Cl. 219-121.690.

Kasner, William H.: *See—*

Hawkins, Phillip J.; Kasner, William H.; Toth, Vincent A.; and Stroster, Mariann C., 4,855,564, Cl. 219-121.780.

Kasori, Mitsuo: *See—*

Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko; Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge, Akihiko, 4,847,221, Cl. 501-98.000.

Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, to Kabushiki Kaisha Toshiba. Aluminum nitride sintered body and preparation thereof. 4,883,780, 11-28-89, Cl. 501-96.000.

Kaspar, Jan; and Schmid, Pierre, to Sandoz Ltd. Process and apparatus for preparing dust-free granular material. 4,832,700, 5-23-89, Cl. 23-313.0FB.

Kaspar, Klaus P., to Boehringer Mannheim GmbH. Process and reagent for the determination of a reaction partner of an immunological reaction. 4,880,731, 11-14-89, Cl. 435-7.000.

Kaspar, Klaus P.: *See—*

Baier, Manfred; Kaspar, Klaus P.; Schafer, Rainer; Trager, Ulrich; and Notzel, Siegfried, 4,803,171, Cl. 436-530.000.

Stock, Werner; Baier, Manfred; Kaspar, Klaus P.; and Kirch, Peter, 4,885,255, Cl. 436-512.000.

Kaspar, Lothar: *See—*

Honig, Ernst-August; Kaspar, Lothar; Kalversberg, Manfred; Oberpichler, Gerd; Hagemann, Gottfried; and Schmidt, Dieter, 4,811,631, Cl. 74-762.000.

Kaspar, Thomas C.: *See—*

Ankeny, Mark D.; Kaspar, Thomas C.; and Horton, Robert, Jr., 4,884,436, Cl. 73-38.000.

Kaspar, Vaclav; Baecker, Manfred; Brandt, Horst; Grimmelijkhuizen, Friedrich; and Wolf, Karlheinz, to Bayer Aktiengesellschaft. Process for the preparation of granules. 4,846,409, 7-11-89, Cl. 241-21.000.

Kaspar Wire Works, Inc.: *See—*

Kresta, Harvey; and Ullmann, Ralph J., 4,828,097, Cl. 194-227.000.

Kasper, Brenda M., to Stan Phillips Incorporated. Support for a trash bag and method of using such support. 4,842,228, 6-27-89, Cl. 248-97.000.

Kasper, Gary: *See—*

Armstrong, William H.; Linder, Peter E.; Kasper, Gary; and Rohn, Dean R., 4,825,502, Cl. 15-339.000.

Kasper, Gerhard; Wen, Horng-Yuan; and Nishikawa, Yukinobu, to American Air Liquide. Method for reducing pressure of highly compressed gases without generation of condensation droplets. 4,878,510, 11-7-89, Cl. 137-1.000.

Kasper, Joseph G.: *See—*

Field, Bruce F.; and Kasper, Joseph G., 4,846,297, Cl. 180-169.000.

Kasper, Klaus B.; and Yip, Tom, to Bertek, Inc. Delivery system of strippable extrusion coated films for medical applications. 4,854,995, 8-8-89, Cl. 156-243.000.

Kasper, Rolf G.: *See—*

Bruno, Anthony B.; and Kasper, Rolf G., 4,848,146, Cl. 73-181.000.

Kasper, Steven J.: *See—*

Bardos, Thomas J.; Ho, Yau-Kwan; Kasper, Steven J.; and Hughes, Robert G., Jr., 4,882,147, Cl. 424-85.400.

Kasperkovitz, Wolfdietrich G., to U.S. Philips Corporation. Mixer arrangement for suppression of oscillator interference in quadrature demodulators. 4,814,715, 3-21-89, Cl. 329-50.000.

Kaspers, Helmut: *See—*

Brandes, Wilhelm; Reinecke, Paul; Kaspers, Helmut; Scheinpflug, Hans; and Stetter, Jorg, 4,803,214, Cl. 514-383.000.

Brandes, Wilhelm; Kaspers, Helmut; Scheinpflug, Hans; and Holmwood, Graham, 4,831,048, Cl. 514-383.000.

Brandes, Wilhelm; Kaspers, Helmut; Reinecke, Paul; Scheinpflug, Hans; and Kramer, Wolfgang, 4,888,349, Cl. 514-383.000.

Kaspi, Joseph: *See—*

Vaya, Jacob; Ladkani, David; Schoenberger, Clara; Kaspi, Joseph; Salemnick, Gad; Yellin, Haim; and Cherkez, Stephan, 4,889,929, Cl. 540-318.000.

Kasprick, Jon J.: *See—*

Hogan, Thomas J., Jr.; Kasprick, Jon J.; Anderson, Donald R.; and Kersh, Douglas W., 4,841,456, Cl. 364-550.000.

Kasprow, Robert F.: *See—*

Trousdell, Edmund D.; and Kasprow, Robert F., 4,875,830, Cl. 416-215.000.

Kasprzak, Andrzej: *See—*

Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szewlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.

Kasprzak, Kenneth A.; and Blizzard, John D., to Dow Corning Corporation. Method of improving the draining of water from textiles during a laundering operation. 4,810,253, 3-7-89, Cl. 8-137.000.

Kasprzak, Kenneth A.; and Blizzard, John D., to Dow Corning Corp. Method of improving the draining of water from textiles during a laundering operation. 4,848,981, 7-18-89, Cl. 8-137.000.

Kasprzak, Paul L.; and Moy, Michael E., to Wright Line, Inc. Coding system. 4,844,509, 7-4-89, Cl. 283-81.000.

Kasprzak, Paul L.; and Moy, Michael E., to Wright Line Inc. Coding system. 4,856,820, 8-15-89, Cl. 283-81.000.

Kasprzak, Rolande: *See—*

Szydlo, Nicolas; Perbet, Jean N.; and Kasprzak, Rolande, 4,810,637, Cl. 437-15.000.

Kasprzycki, Robert L.: *See—*

Sherman, Howard F.; Greggains, James H.; Mueller, Hans W.; and Kasprzycki, Robert L., 4,808,017, Cl. 400-83.000.

Kasprzyk, Martin R.: *See—*

Frechette, Francis J.; Kasprzyk, Martin R.; McDowell, Douglas J.; and Zanghi, Joseph S., 4,795,673, Cl. 428-331.000.

Kass, Allen, to Eastman Kodak Company. Method of making an epoxy bonded rare earth-iron magnet. 4,832,891, 5-23-89, Cl. 264-101.000.

Kass, Edward J., to NTG Industries, Inc. Display device. 4,866,868, 9-19-89, Cl. 40-661.000.

Kass, Jordan S.: *See—*

Fuchs, Charles R.; Haessig, David A., Jr.; Heckathorn, David L.; Kass, Jordan S.; Lindsay, Peter; and Volpe, Joseph J., 4,881,800, Cl. 350-500.000.

Kass, Lawrence, to Cytocolor, Inc. Method of identifying polymethine stained lymphocyte subpopulations and compositions thereof. 4,810,487, 3-7-89, Cl. 424-3.000.

Kass, Lawrence, to Cytocolor, Inc. Method of staining cells with a diazo dye and compositions thereof. 4,853,210, 8-1-89, Cl. 424-3.000.

Kassabian, Levon. Display apparatus. 4,861,678, 8-29-89, Cl. 428-542.400.

Kassai, Kenzou, to Aprica Kassai Kabushikikaisha. Child's safety seat for use in automobiles. 4,799,736, 1-24-89, Cl. 297-440.000.

Kassai, Kenzou, to Aprica Kassai Kabushikikaisha. Caster. 4,805,259, 2-21-89, Cl. 16-35.00R.

Kassai, Kenzou, to Aprica Kassai Kabushikikaisha. Foldable baby carriage with basket. 4,817,982, 4-4-89, Cl. 280-644.000.

Kassai, Kenzou, to Aprica Kassai Kabushikikaisha. Caster. 4,845,805, 7-11-89, Cl. 16-35.00R.

Kassai, Kenzou, to Aprica Kassai Kabushikikaisha. Baby carriage. 4,846,494, 7-11-89, Cl. 280-642.000.

Kassai, Kenzou, to Aprica Kassai Kabushikikaisha. Baby carriage. 4,848,787, 7-18-89, Cl. 280-642.000.

Kassai, Kenzou, to Aprica Kassai Kabushikikaisha. Method and apparatus for applying baby powder to disposable diapers. 4,861,405, 8-29-89, Cl. 156-204.000.

Kassai nee Zieger, Anna: *See—*

Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo, 4,859,682, Cl. 514-288.000.

Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Trischler, Ferenc; Bogsch, Erik; Kassai nee Zieger, Anna; Szepesi, Gabor; and Gazdag, Maria, 4,816,587, Cl. 544-346.000.

Kassbohrer of North America, Inc.: *See—*

Haug, Walter, 4,888,891, Cl. 37-222.000.

Kassel, John M.: *See—*

Remstad, Steven C.; and Kassel, John M., 4,886,417, Cl. 415-208.300.

Kassem, Gary M. Non-penetrating elastomeric membrane anchoring system. 4,858,412, 8-22-89, Cl. 52-713.000.

Kasser, Thomas R.: *See—*

Amin, Michael J.; Eigenberg, Kenneth E.; Kasser, Thomas R.; and Sabacky, M. Jerome, 4,863,736, Cl. 424-423.000.

Kassis, Amin I.; and Baranowska-Kortylewicz, Janina, to President & Fellows of Harvard College. Method of making radioiodinated pyrimidine nucleoside or nucleotide. 4,851,520, 7-25-89, Cl. 536-29.000.

Kassner, James E.: *See—*

Hung, William M.; and Kassner, James E., 4,795,736, Cl. 503-218.000.

Kassner, Peter, to Lunke & Sohn GmbH. Vehicle door hinge. 4,829,633, 5-16-89, Cl. 16-322.000.

Kast, Helmut: *See—*

Thiel, Rudolf; Klimt, Ulrich; and Kast, Helmut, 4,856,620, Cl. 188-72.400.

Kast, Howard B., to General Electric Company. Fail-safe servovalve system. 4,805,515, 2-21-89, Cl. 91-461.000.

Kast, Juergen; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, to BASF Aktiengesellschaft. Herbicidal tetrahydro(thio)pyran-2,4-dione derivatives. 4,842,638, 6-27-89, Cl. 71-88.000.

Kast, Juergen: *See—*

Keil, Michael; Schirmer, Ulrich; Kolassa, Dieter; Kast, Juergen; Rademacher, Wilhelm; and Jung, Johann, 4,820,331, Cl. 71-88.000.

Kast, Richard: *See—*

Gardner, Chester S.; Schroeder, Kirk S.; and Kast, Richard, 4,850,691, Cl. 351-221.000.

Kastalsky, Alexander: *See—*

Abeles, Joseph H.; Kastalsky, Alexander; and Leheny, Robert F., 4,872,744, Cl. 350-356.000.

Grinberg, Anatoly; and Kastalsky, Alexander, 4,839,702, Cl. 357-16.000.

Kaste, Keith: *See—*

Schoennauer, Larry J.; Alers, Ronald B.; Kaste, Keith; Johnson, Ross E.; and Wong, Jacob Y., 4,850,697, Cl. 356-419.000.

Kaste, Robert P.; and Tompkins, Robert E., to United States of America, Army. Material tester. 4,845,995, 7-11-89, Cl. 73-794.000.

Kastel, Stephen N.: *See—*

Jackett, Stephen G.; Kastel, Stephen N.; and Jandera, Zdenek, 4,862,428, Cl. 367-155.000.

Kastelic, John R., to Shell Oil Company. Process for fluorinating linear alternating polyketone polymers and articles produced therefrom. 4,879,358, 11-7-89, Cl. 525-539.000.

Kastelic, John R.: *See—*

Gerlowski, Leonard E.; Kastelic, John R.; and Lutz, Robert G., 4,866,122, Cl. 525-58.000.

Kastendieck, William A.; Hart, Richard T.; and Isbell, Wayne, to Varo, Inc. Quick release night vision goggle mounting bracket. 4,809,942, 3-7-89, Cl. 248-900.000.

Kastendieck, William A.; and Wallace, Robert, to Varo, Inc. Binocular periscope viewing device including triple prism for image splitting and elongate head column. 4,820,031, 4-11-89, Cl. 350-538.000.

Kaster, Eugene J. Valved dispensing spout. 4,801,053, 1-31-89, Cl. 222-506.000.

Kastl, Roland: *See—*

Klein, Lutz; Panofski, Ernst; and Kastl, Roland, 4,853,591, Cl. 313-493.000.

Kastlunger, Siegfried, to Motorenfabrik Hatz GmbH & Co. KG. Internal combustion engine having light metal housing parts. 4,869,217, 9-26-89, Cl. 123-195.00R.

Kastner, Hans-Werner; Klockler, Robert; and Hage, Manfred, to Wieland-Werke AG. Finned tube with indented groove base and method of forming same. 4,796,693, 1-10-89, Cl. 165-133.000.

Kastner, Helmut. Amusement park device. 4,842,267, 6-27-89, Cl. 272-28.00S.

Kastner, Klaus: *See—*

Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, 4,796,717, Cl. 180-197.000.

Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, 4,804,058, Cl. 180-197.000.

Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,850,446, Cl. 180-197.000.

Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,856,610, Cl. 180-197.000.

Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,886,140, Cl. 180-197.000.

Kastner, Ralph E.: *See—*

Hamill, Robert L.; and Kastner, Ralph E., 4,870,021, Cl. 435-253.200.

Kastron, Valeria V.: *See—*

Lukevits, Edmund Y.; Kastron, Valeria V.; Vitolin, Rasma O.; Erchak, Nikolai P.; Skrastinsh, Indulis P.; Dubur, Gunar Y.; and Kimenis, Agris A., 4,841,054, Cl. 546-14.000.

Kasuga, Akira: *See—*

Ejiri, Kiyomi; Araki, Hiroaki; Matsufuji, Akihiro; and Kasuga, Akira, 4,801,505, Cl. 428-404.000.

Kasuga, Shinichi: *See—*

Matsuoka, Masaki; Osawa, Nobuyuki; and Kasuga, Shinichi, 4,810,104, Cl. 384-45.000.

Kasuga, Takaharu: *See—*

Ono, Hiroshi; Kasuga, Takaharu; Kiyono, Shinji; and Fujita, Yoshihiro, 4,825,003, Cl. 568-490.000.

Ono, Hiroshi; and Kasuga, Takaharu, 4,885,400, Cl. 568-454.000.

Kasuga, Toshihiro, to Hoya Corporation. Process for surface modification of inorganic biomaterial. 4,871,384, 10-3-89, Cl. 65-30.100.

Kasugai, Heki, to Mitsubishi Jukogyo Kabushiki Kaisha. Rotary jack assembly for a crane. 4,875,415, 10-24-89, Cl. 104-35.000.

Kasugai, Ichiro: *See—*

Suzuki, Shigeru; Ohshiro, Katsuhiko; and Kasugai, Ichiro, 4,886,436, Cl. 418-100.000.

Kasugai, Joji; Ohashi, Tamiyoshi; and Toki, Satoshi, to Toyoda Gosei Co., Ltd. Cap with valve for positive pressure. 4,795,053, 1-3-89, Cl. 220-203.000.

Kasugai, Joji; Toki, Satoshi; Enomoto, Koji; and Suzuki, Takamasa, to Toyoda Gosei Co., Ltd. Valve body. 4,815,705, 3-28-89, Cl. 251-356.000.

Kasugai, Joji; Toki, Satoshi; and Ide, Masayuki, to Toyoda Gosei Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Fuel cap. 4,854,471, 8-8-89, Cl. 220-288.000.

Kasuhiki Kaisha Toshiba: *See—*

Miyazawa, Yuichi, 4,849,935, Cl. 365-189.050.

Kasutani, Kiyoshi: *See—*

Fukumoto, Masatoshi; Kubo, Soichi; Miyake, Yoichi; Tsukada, Norishige; Kasutani, Kiyoshi; and Okamori, Kenji, 4,853,794, Cl. 358-447.000.

Kasuya, Shigenobu: *See—*

Umeda, Tetsuo; Nakano, Kazumi; and Kasuya, Shigenobu, 4,831,658, Cl. 382-52.000.

Kasuya, Yukio, to Canon Kabushiki Kaisha. Image forming apparatus controlled in response to detected characteristics of an original. 4,831,415, 5-16-89, Cl. 355-208.000.

Kasuya, Yukio: *See—*

Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; and Watanabe, Tsukasa, 4,811,069, Cl. 357-30.000.

Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; Watanabe, Tsukasa; and Mouri, Mikio, 4,887,166, Cl. 358-471.000.

Kaswan, Renee, to University of Georgia Research Foundation, Inc. Method of increasing tear production by topical administration of cyclosporin. 4,839,342, 6-13-89, Cl. 514-11.000.

Kaswasaki, Ernest S.; Ladner, Martha B.; Van Arsdell, Janelle N.; Wang, Alice M.; Ralph, Peter; Coyne, Mazie Y.; and Warren, Mary K., to Cetus Corporation. DNA encoding for CSF-1 and accompanying recombinant systems. 4,847,201, 7-11-89, Cl. 435-70.000.

Kaswer, Stanley W. Cutting bullet. 4,829,906, 5-16-89, Cl. 102-514.000.

Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko ; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, to Richter Gedeon Vegyeszeti Gyar Rt. 3(2H)-pyridazinones and pharmaceutical compositions thereof. 4,826,845, 5-2-89, Cl. 514-253.000.

Kaszubinski, Jeffrey K.: *See—*

Schreck, John F.; and Kaszubinski, Jeffrey K., 4,802,121, Cl. 365-104.000.

Wilmoth, David D.; Coffman, Tim M.; Schreck, John F.; and Kaszubinski, Jeffrey K., 4,868,790, Cl. 365-210.000.

Kaszynski, Edwin G.: *See—*

Breuer, Miklos M.; Kaszynski, Edwin G.; Shander, Douglas; Usdin, Vera R.; and van der Lee, Hermes, 4,885,289, Cl. 514-170.000.

Kat Electronics, Inc.: *See—*

Brown, Thomas A.; and Martin, Kirk A., 4,796,167, Cl. 362-158.000.

Kat, Willem: *See—*

Heijwegen, Cornelis P.; and Kat, Willem, 4,854,946, Cl. 55-85.000.

Katada, Katsuo; and Sakata, Yoshiyuki, to Ishikawajima-Harima Heavy Industries Co., Ltd. Compression apparatus for solid waste. 4,817,521, 4-4-89, Cl. 100-240.000.

Katada, Mitutaka: *See—*

Sakakibara, Nobuyoshi; Katada, Mitutaka; Ohta, Minoru; Hattori, Tadashi; and Tominaga, Takayuki, 4,819,037, Cl. 357-4.000.

Katada, Naota; and Terada, Kosei, to Yamaha Corporation. Tone control apparatus for electronic musical instrument. 4,829,869, 5-16-89, Cl. 84-1.190.

Katafuchi, Tadashi, to Idemitsu Kosan Co., Ltd. Lubricating oil composition for working metal. 4,828,731, 5-9-89, Cl. 252-32.70E.

Katafuchi, Tadashi; Mitazaki, Hiroo; Shido, Seiichi; Tomari, Yasunori; and Onodera, Kenji, to Idemitsu Kosan Company Limited. Lubricating oil for metal working. 4,832,860, 5-23-89, Cl. 252-56.00R.

Katagi, Takashi: *See—*

Udagawa, Shigeo; Haruyama, Tetsuo; Orime, Nobutake; and Katagi, Takashi, 4,827,270, Cl. 343-853.000.

Katagiri, Junichi; Nagai, Akira; Tawara, Keiko; Takahashi, Akio; Wajima, Motoyo; Narahara, Toshikazu; and Hiraga, Ryo, to Hitachi, Ltd. Thermosetting resin and prepreg and laminate using the same. 4,886,858, 12-12-89, Cl. 525-301.000.

Katagiri, Kazuharu; Shinjo, Kenji; and Yoshinaga, Kazuo, to Canon Kabushiki Kaisha. Optically active compound and liquid crystal composition containing same. 4,816,178, 3-28-89, Cl. 252-299.600.

Katagiri, Kazuharu; Yoshinaga, Kazuo; Okada, Shinjiro; and Kanbe, Junichiro, to Canon Kabushiki Kaisha. Liquid crystal device utilizing chiral-smectic and nematic phases for thinner crystal layers. 4,844,597, 7-4-89, Cl. 350-350.00S.

Katagiri, Kazuharu: *See—*

Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,798,680, Cl. 252-299.010.

Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; and Katagiri, Kazuharu, 4,867,903, Cl. 252-299.610.

Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,873,018, Cl. 252-299.010.

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.

Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, 4,812,259, Cl. 252-299.650.

Yoshinaga, Kazuo; Katagiri, Kazuharu; Kobayashi, Toyoko; and Shinjo, Kenji, 4,876,027, Cl. 252-299.650.

Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, 4,880,560, Cl. 252-299.010.

Yoshinaga, Kazuo; Katagiri, Kazuharu; Tsuboyama, Akira; Kitayama, Hiroyuki; Shinjo, Kenji; and Hioki, Chieko, 4,882,085, Cl. 252-299.610.

Katagiri, Masayoshi, to Toyota Jidosha Kabushiki Kaisha. Disc brake with squeal preventive means. 4,805,746, 2-21-89, Cl. 188-73.370.

Katagiri, Masayuki; Watanabe, Masanori; Uda, Kazutaka; Hijikigawa, Masaya; Tsuchimoto, Shuhei; and Inami, Yasuhiko, to Sharp Kabushiki Kaisha. Variable interferometric device and a process for the production of the same. 4,859,060, 8-22-89, Cl. 356-352.000.

Katagiri, Shingo; Mori, Keiji; and Asai, Masahiko, to Fuji Photo Film Co., Ltd. Magnetic tape cassette. 4,840,326, 6-20-89, Cl. 242-199.000.

Katagiri, Shingo; Odate, Seizi; and Onmori, Shozo, to Fuji Photo Film Co., Ltd. Optical system for magnetic tape end detection. 4,862,305, 8-29-89, Cl. 360-132.000.

Katagiri, Shoichi: *See—*

Kanamaru, Hitoshi; Watanabe, Tsuyoshi; Shiba, Takahumi; and Katagiri, Shoichi, 4,843,484, Cl. 358-342.000.

Katagiri, Soichi: *See—*

Kataoka, Keiji; Kurosaki, Toshiei; Yonezawa, Seiji; and Katagiri, Soichi, 4,857,744, Cl. 250-548.000.

Katagiri, Toshiyuki; and Marukado, Kazuhisa, to NEC Home Electronics Ltd. Cyclic noise reducing apparatus. 4,841,366, 6-20-89, Cl. 358-167.000.

Katagiri, Yoshihiro: *See—*

Okuda, Akihito; and Katagiri, Yoshihiro, 4,845,961, Cl. 60-489.000.

Katagiri, Yoshimichi: *See—*

Sawatari, Norio; Ebisu, Katsuji; Watanuki, Tsuneo; Katagiri, Yoshimichi; Kashikawa, Takahiro; and Narusawa, Toshiaki, 4,849,317, Cl. 430-106.600.

Katagiri, Yoshitada: *See—*

Ukita, Hiroo; Katagiri, Yoshitada; Sawada, Renshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima, Tomoyuki; and Mise, Keisuke, 4,860,276, Cl. 369-119.000.

Katahira, Keiichi; Shio, Kiyomi; and Kanai, Noriyuki, to Nippon Steel Corporation. Twin belt type continuous casting machine. 4,854,371, 8-8-89, Cl. 164-431.000.

Katahira, Masayuki, to Nippon Seiko Kabushiki Kaisha. Linear guide apparatus with end caps having fitting protrusions. 4,826,330, 5-2-89, Cl. 384-45.000.

Katahira, Masayuki, to Nippon Seiko Co., Ltd. Ball screw apparatus. 4,840,077, 6-20-89, Cl. 74-424.8NA.

Kataigi, Tsutomu: *See—*

Miyake, Tomohisa; Kataigi, Tsutomu; and Shinozuka, Toshinobu, 4,863,295, Cl. 400-54.000.

Kataita, Masabumi: *See—*

Obata, Kenji; Yoneda, Nobuhiko; Kataita, Masabumi; I, Yoshihiro; and Yamashita, Hironori, 4,812,203, Cl. 159-6.200.

Kataita, Masafumi: *See—*

Itoh, Hiroyuki; Kono, Yoshitsugu; Ajioka, Masanobu; Takenaka, Shinji; and Kataita, Masafumi, 4,803,065, Cl. 423-502.000.

Katakabe, Noboru: *See—*

Sogami, Atsushi; Katakabe, Noboru; Sano, Tetsuhiro; and Yoshii, Orio, 4,810,111, Cl. 400-120.000.

Katakami, Kazuhiko: *See—*

Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,872,068, Cl. 358-342.000.

Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,885,644, Cl. 358-342.000.

Katakura, Kageyoshi: *See—*

Ikeda, Hiroshi; Umemura, Shinichiro; Ishikawa, Shizuo; Katakura, Kageyoshi; Ichikawa, Noriyoshi; and Mitake, Tsuyoshi, 4,803,993, Cl. 128-660.010.

Ikeda, Hiroshi; Umemura, Shinichiro; and Katakura, Kageyoshi, 4,811,740, Cl. 128-660.010.

Ishikawa, Shizuo; Katakura, Kageyoshi; and Ogawa, Toshio, 4,809,703, Cl. 128-661.080.

Kondo, Shinichi; Katakura, Kageyoshi; Ogawa, Toshio; Umemura, Shin'ichiro; and Ikeda, Hiroshi, 4,841,491, Cl. 367-103.000.

Nakaya, Chitose; Takeuchi, Hiroshi; and Katakura, Kageyoshi, 4,801,835, Cl. 310-358.000.

Ogawa, Toshio; Nishiyama, Hisashi; Katakura, Kageyoshi; and Ishikawa, Shizuo, 4,884,448, Cl. 73-597.000.

Umemura, Shinichiro; Cain, Charles A.; and Katakura, Kageyoshi, 4,865,042, Cl. 128-660.030.

Katakura, Masayuki, to Sony Corporation. Voltage to current converters for use in an active filter and with a noise reduction circuit. 4,804,904, 2-14-89, Cl. 323-312.000.

Katakura, Masayuki, to Sony Corporation. Intergrated multisound signal demodulator circuit. 4,866,775, 9-12-89, Cl. 381-3.000.

Katakura, Shinichi: *See—*

Tanuma, Jiro; Hayashi, Kuniharu; Katakura, Shinichi; and Sakaino, Hiroshi, 4,818,129, Cl. 400-323.000.

Tanuma, Jiro; and Katakura, Shinichi, 4,849,869, Cl. 363-21.000.

Katamura, Makoto: *See—*

Sonobe, Kozo; Fukuzawa, Takashi; Takeuchi, Kohsuke; Tabata, Tatushi; Fukuoka, Hiroshi; Hisamatsu, Kunio; and Katamura, Makoto, 4,882,303, Cl. 501-28.000.

Katano, Masaaki: *See—*

Aratani, Shinichi; Katano, Masaaki; and Mizoguchi, Takeshi, 4,859,636, Cl. 501-72.000.

Katano, Sakae: *See—*

Uchiyama, Nobuhito; Kamiya, Tamotsu; Shibayama, Yasuhiro; Takagi, Shigeo; and Katano, Sakae, 4,813,989, Cl. 65-1.000.

Katano, Yuji: *See—*

Wakabayashi, Hiroshi; Tsukahara, Daiki; Machida, Kiyosada; Katano, Yuji; and Miyamoto, Hidenori, 4,843,411, Cl. 354-187.000.

Wakabayashi, Hiroshi; Kazami, Kazuyuki; Nakamura, Toshiyuki; Miyamoto, Hidenori; Tsukahara, Daiki; Machida, Kiyosada; and Katano, Yuji, 4,857,947, Cl. 354-195.100.

Katanosaka, Naoki, to NEC Corporation. Semiconductor memory device with redundant memory cells. 4,885,721, 12-5-89, Cl. 371-10.200.

Kataoka, Akira: *See—*

Naruse, Kazuhiko; Kataoka, Akira; Hirano, Masayasu; and Takata, Naoya, 4,821,338, Cl. 455-617.000.

Kataoka, Hajime; and Gunji, Minoru, to Doryokuro Kakaunenryo Kaihatsu Jigyodan. Apparatus for making connections in liquids. 4,815,989, 3-28-89, Cl. 439-426.000.

Kataoka, Hideaki; Murai, Ashita; and Haishi, Akira, to Fuji Photo Film Co., Ltd. Instant camera with spring-urged pressure plate. 4,823,155, 4-18-89, Cl. 354-86.000.

Kataoka, Hiroaki: *See—*

Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.

Kataoka, Hiroshi; Matsuzawa, Kinya; and Oda, Hiroji, to Asahi Kase Kogyo Kabushiki Kaisha. Shaped article of an oriented tetrafluoroethylene polymer. 4,820,787, 4-11-89, Cl. 526-255.000.

Kataoka, Hiroshi; Kunitomo, Tetsunosuke; and Kobayashi, Takuichi, to Toray Industries, Inc. Hemodialysis membrane. 4,834,882, 5-30-89, Cl. 210-321.600.

Kataoka, Hiroshi, to Kataoka Machine Co., Ltd. Web dividing and rewinding machine and method for removing rewind rolls therefrom. 4,875,632, 10-24-89, Cl. 242-56.200.

Kataoka, Hiroshi: *See—*

Sukigara, Masayuki; Kaneko, Yasushi; and Kataoka, Hiroshi, 4,824,898, Cl. 524-401.000.

Kataoka, Hiroyuki. Data communication system for camera system. 4,845,522, 7-4-89, Cl. 354-412.000.

Kataoka, Hiroyuki; and Kumakura, Tosiyuki, to Canon Kabushiki Kaisha. Flash photographic apparatus. 4,881,013, 11-14-89, Cl. 315-241.00P.

Kataoka, Hiroyuki: *See—*

Kobayashi, Ryuichi; Harada, Yoshihito; Kawamura, Masaharu; Kataoka, Hiroyuki; and Kumakura, Toshiyuki, 4,806,963, Cl. 354-415.000.

Kumakura, Tosiyuki; Kataoka, Hiroyuki; and Ohmori, Kouichi, 4,808,811, Cl. 250-214.00L.

Kataoka, Kazunori: *See—*

Ogata, Naoya; Sanui, Kohei; Yui, Nobuhiko; Kataoka, Kazunori; Okano, Teruo; and Sakurai, Yasuhisa, 4,873,292, Cl. 525-408.000.

Kataoka, Keiji; Maeda, Takeshi; and Tsunoda, Yoshito, to Hitachi, Ltd. Optical information processor and method for accessing rotating record carrier utilizing acousto-optic light deflector including holding a focus error signal during track jumping. 4,802,153, 1-31-89, Cl. 369-45.000.

Kataoka, Keiji, to Hitachi, Ltd. Light modulating device array. 4,840,447, 6-20-89, Cl. 350-96.140.

Kataoka, Keiji; Kurosaki, Toshiei; Yonezawa, Seiji; and Katagiri, Soichi, to Hitachi, Ltd. Optical projection printing apparatus wherein wafer mark has a grating pitch in the sagittal plane of the first optical system. 4,857,744, 8-15-89, Cl. 250-548.000.

Kataoka, Kenzo: *See—*

Fujimura, Yoshisaburo; Kataoka, Kenzo; Yuba, Akira; and Komori, Hiroshi, 4,826,431, Cl. 433-29.000.

Kataoka Machine Co., Ltd.: *See—*

Kataoka, Hiroshi, 4,875,632, Cl. 242-56.200.

Kataoka, Michio; and Higashino, Shigenori, to Mitsubishi Denki Kabushiki Kaisha. Fault detector for detecting faults in a DC capacitor circuit. 4,805,063, 2-14-89, Cl. 361-16.000.

Kataoka, Mutsuo; and Tokunaga, Atuto, to Toray Industries, Inc. Radiation-sensitive positive resist comprising a fluorine-containing alpha-chloroacetate copolymer in the specification. 4,800,151, 1-24-89, Cl. 430-270.000.

Kataoka, Norio: *See—*

Tohzuka, Takashi; Ishikawa, Sueyoshi; Kubo, Katsuyoshi; Honda, Yoshitaka; Ohmure, Yukio; and Kataoka, Norio, 4,836,944, Cl. 252-54.000.

Kataoka, Sachiro; and Tsutsumi, Shunsaku, to Nissan Motor Company, Ltd.; and Kokusan Kinzoku Kogyo Company, Ltd. Automotive antitheft key arrangement. 4,835,407, 5-30-89, Cl. 307-10.500.

Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, to Nissan Motor Co., Ltd.; and Niles Parts Co., Ltd. Vehicular voltage regulating system. 4,836,323, 6-6-89, Cl. 180-270.000.

Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, to Nissan Motor Co., Ltd.; and Niles Parts Co., Ltd. Passive seat belt system. 4,844,507, 7-4-89, Cl. 280-802.000.

Kataoka, Sachiro, to Nissan Motor Co., Ltd. Vehicle interior lamp shut-off device with particular dimming sequence. 4,866,345, 9-12-89, Cl. 315-84.000.

Kataoka, Sachiro: *See—*

Kokuryo, Yoshiki; Kataoka, Sachiro; Inaba, Tomokazu; Terunuma, Kazuyoshi; and Asano, Toshiharu, 4,839,532, Cl. 307-10.300.

Kuroru, Tomotaka; and Kataoka, Sachiro, 4,890,038, Cl. 315-82.000.

Kataoka, Shigeaki, to Fuji Seiki Machine Works, Ltd. Solder coating apparatus. 4,836,131, 6-6-89, Cl. 118-220.000.

Kataoka, Shiro: *See—*

Umezawa, Hamao; Umezawa, Kazuo; Odagawa, Atsuo; Kataoka, Shiro; and Nakajima, Shohachi, 4,855,414, Cl. 536-6.400.

Kataoka, Shoei; Yoshida, Masaru; and Nakajima, Shigeo, to Sharp Kabushiki Kaisha. Combined traffic signal with stacked EL elements. 4,857,920, 8-15-89, Cl. 340-907.000.

Kataoka, Shoei: *See—*

Tanaka, Nobuyuki; Inami, Yasuhiko; Hijikigawa, Masaya; and Kataoka, Shoei, 4,885,937, Cl. 73-189.000.

Kataoka, Takashi: *See—*

Kito, Tsutomu; Nakasuji, Norikazu; Kataoka, Takashi; Inagaki, Hiroshi; and Shibahashi, Yutaka, 4,865,648, Cl. 106-21.000.

Kataoka, Teruo: *See—*

Tsujihara, Susumu; and Kataoka, Teruo, 4,857,998, Cl. 358-60.000.

Kataoka, Yazuru: *See—*

Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.

Kataoka, Yoshiyuki: *See—*

Murase, Michio; Kataoka, Yoshiyuki; Inoue, Hisamichi; Naioh, Masanori; and Sugisaki, Toshihiko, 4,859,401, Cl. 376-282.000.

Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.

Katase, Hiroharu: *See—*

Karashima, Kunihiko; Kumada, Shoji; Yoshida, Katsumasa; and Katase, Hiroharu, 4,862,044, Cl. 318-254.000.

Katasho, Isao: *See—*

Senda, Mitsugi; Ikeda, Tokuji; and Katasho, Isao, 4,820,399, Cl. 204-403.000.

Katayama, Aiichi: *See—*

Nakatsugawa, Kenji; Katayama, Aiichi; Sekiya, Hitoshi; and Hiratsuka, Shoji, 4,797,936, Cl. 382-1.000.

Nakatsugawa, Kenji; Katayama, Aiichi; and Sekiya, Hitoshi, 4,878,194, Cl. 364-900.000.

Katayama, Akihiro; Ohsawa, Hidefumi; Sunohara, Izuru; Hosokawa, Hiroshi; and Yoshimoto, Masahiko, to Canon Kabushiki Kaisha. Method and apparatus for image processing with fed-back error correction. 4,878,125, 10-31-89, Cl. 358-443.000.

Katayama, Akihiro: *See—*

Ohsawa, Hidefumi; Katayama, Akihiro; Hosokawa, Hiroshi; Sunohara, Izuru; and Yoshimoto, Masahiko, 4,876,610, Cl. 358-443.000.

Katayama Chemical Works Co., Ltd.: *See—*

Katayama, Sakae; Asano, Tadahiko; Okuma, Masatsune; and Nakanishi, Keisyo, 4,814,406, Cl. 526-318.400.

Katayama, Sakae; Katayama, Hirohiko; Mukai, Toshihiko; and Kawasaki, Yoshinari, 4,885,136, Cl. 422-15.000.

Katayama, Eiji: *See—*

Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo; and Takada, Yoshiyasu, 4,874,427, Cl. 75-26.000.

Katayama, Eizo: *See—*

Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Keiji, 4,839,879, Cl. 369-54.000.

Katayama, Hideaki: *See—*

Hasegawa, Akira; Sakaguchi, Katsuyoshi; and Katayama, Hideaki, 4,846,649, Cl. 425-33.000.

Katayama, Hirohiko, to Canon Kabushiki Kaisha. System for registering speech information to make a voice dictionary. 4,831,653, 5-16-89, Cl. 381-43.000.

Katayama, Hirohiko: *See—*

Katayama, Sakae; Katayama, Hirohiko; Mukai, Toshihiko; and Kawasaki, Yoshinari, 4,885,136, Cl. 422-15.000.

Matsuoka, Mikiharu; Yamada, Yasuhiro; Miyazaki, Yasuko; Kanemoto, Takashi; Katayama, Hirohiko; and Ikuta, Tamao, 4,881,900, Cl. 434-113.000.

Katayama, Hironobu: *See—*

Nakagawa, Shozo; Yokoyama, Katsuya; and Katayama, Hironobu, 4,809,118, Cl. 360-33.100.

Katayama, Hiroyuki: *See—*

Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Katayama, Hiroyuki; Hirokane, Junji; and Murakami, Yoshiteru, 4,818,648, Cl. 430-17.000.

Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Hirokane, Junji; and Katayama, Hiroyuki, 4,839,251, Cl. 430-5.000.

Katayama, Ichiro, to Union Tool Co., Ltd. Optical measuring apparatus which employs two synchronously rotating means to measure object. 4,837,432, 6-6-89, Cl. 250-235.000.

Katayama, Isao, to Murata Kikai Kabushiki Kaisha. Compound machining apparatus. 4,833,292, 5-23-89, Cl. 219-121.600.

Katayama, Isao, to Murata Kikai Kabushiki Kaisha. Compound machining apparatus. 4,873,418, 10-10-89, Cl. 219-121.600.

Katayama, Katsuhiro: *See—*

Kuroiwa, Katsumasa; Katayama, Katsuhiro; and Nagasawa, Takeshi, 4,861,713, Cl. 435-20.000.

Katayama, Kazuhiko; Hamaguchi, Shigeki; Kogame, Yoshikazu; Ohashi, Takehisa; and Watanabe, Kiyoshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing 3 halogeno-2-hydroxypropyltrimethylammonium halide. 4,814,506, 3-21-89, Cl. 564-292.000.

Katayama, Keiichi: *See—*

Morii, Shigeki; and Katayama, Keiichi, 4,795,927, Cl. 310-90.500.

Katayama, Kiichiro; Meada, Yasuharu; Wakabayashi, Koji; and Murakami, Toshinori, to Nisshin Steel Co., Ltd. Compositions for forming insulating films on electromagnetic steel plates and methods for making the same. 4,830,877, 5-16-89, Cl. 427-127.000.

Katayama, Kiichiro; Masuhara, Kenichi; Maeda, Yasuharu; and Wakabayashi, Koji, to Nisshin Steel Co. Ltd. Method for forming insulating films on electromagnetic steel plates. 4,844,753, 7-4-89, Cl. 148-251.000.

Katayama Kogyo Co., Ltd.: *See—*

Shimizu, Shoji, 4,880,674, Cl. 428-31.000.

Katayama, Koji, to Mitsubishi Denki Kabushiki Kaisha. Small electric motor. 4,866,317, 9-12-89, Cl. 310-89.000.

Katayama, Kouichi: *See—*

Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, 4,833,160, Cl. 514-424.000.

Katayama, Kozo: *See—*

Yokota, Takayoshi; Horiya, Shigekazu; Uno, Sadao; Katayama, Kozo; and Tanabe, Daijiro, 4,856,754, Cl. 249-113.000.

Katayama, Masao: *See—*

Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, 4,813,423, Cl. 128-634.000.

Katayama, Masato: *See—*

Marumo, Shingo; Katayama, Masato; Futatsuya, Fumio; and Saito, Mikio, 4,806,143, Cl. 71-96.000.

Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.

Katayama, Mitsuo: *See—*

Okamoto, Tsuneyuki; Toda, Yasuyuki; Katayama, Mitsuo; and Senoh, Yasumasa, 4,804,506, Cl. 264-45.100.

Katayama, Motohiro; and Suzuki, Tatsuya, to Tokai Rubber Industries, Ltd. Fluid-filled elastic mounting structure. 4,826,126, 5-2-89, Cl. 248-562.000.

Katayama, Motohiro; and Suzuki, Tatsuya, to Tokai Rubber Industries, Ltd. Fluid-filled elastic mount for damping a wide frequency range of vibrations. 4,850,578, 7-25-89, Cl. 267-140.100.

Katayama, Motohiro; and Suzuki, Tatsuya, to Tokai Rubber Industries, Ltd. Fluid-filled elastic mounting structure. 4,880,215, 11-14-89, Cl. 267-140.100.

Katayama, Nobuaki; Sasaki, Kan; Koide, Takeharu; and Takimura, Keisuke, to Toyota Jidosha Kabushiki Kaisha. Power transfer device for four-wheel drive. 4,802,383, 2-7-89, Cl. 74-711.000.

Katayama, Nobuaki; and Sasaki, Kan, to Toyota Jidosha Kabushiki Kaisha. Power transfer device for four-wheel drive. 4,815,336, 3-28-89, Cl. 74-701.000.

Katayama, Nobuaki: *See—*

Sasaki, Kan; Takimura, Keisuke; and Katayama, Nobuaki, 4,867,001, Cl. 74-424.000.

Yasuda, Mitsuyoshi; Matsuura, Junichi; Ikemoto, Kazuhito; and Katayama, Nobuaki, 4,794,942, Cl. 137-197.000.

Katayama, Nozomi: *See—*

Harada, Setsuo; Ono, Hideo; and Katayama, Nozomi, 4,816,559, Cl. 530-317.000.

Katayama, Osamu: *See—*

Hisaki, Masakatu; Kashima, Kenichi; Sakamoto, Yasuhiko; Hojo, Masakazu; Katayama, Osamu; and Hata, Hiroyoshi, 4,874,773, Cl. 514-355.000.

Katayama, Sakae; Asano, Tadahiko; Okuma, Masatsune; and Nakanishi, Keisyo, to Katayama Chemical Works Co., Ltd. Scale inhibitor. 4,814,406, 3-21-89, Cl. 526-318.400.

Katayama, Sakae; Katayama, Hirohiko; Mukai, Toshihiko; and Kawasaki, Yoshinari, to Katayama Chemical Works Co., Ltd. Method of anticorrosive treatment for soft water boilers. 4,885,136, 12-5-89, Cl. 422-15.000.

Katayama, Sakae: *See—*

Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, 4,839,373, Cl. 514-367.000.

Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, 4,866,081, Cl. 514-367.000.

Katayama, Seizi: *See—*

Hida, Yoshinori; and Katayama, Seizi, 4,886,841, Cl. 522-99.000.

Katayama, Shinya: *See—*

Minami, Tsutomu; Tohge, Noboru; Katayama, Shinya; and Matsuno, Yoshihiro, 4,810,547, Cl. 428-65.000.

Katayama, Susumu, to Matsushita Electric Works, Ltd. Electrostatic transducer. 4,796,725, 1-10-89, Cl. 181-142.000.

Katayama, Takaaki; Ishii, Shiro; Hitotsuya, Koretoshi; and Kubota, Hachiro, to Onoda Cement Company, Ltd.; and Katayama, Takaaki. Method of destroying a brittle body by hydration expansion. 4,816,194, 3-28-89, Cl. 264-16.000.

- Katayama, Takao: *See*—
  - Oshima, Hiroshi; Sadakane, Hirofumi; Katayama, Takao; Takakura, Jinnosuke; and Fujioka, Hisatake, 4,882,897, Cl. 56-11.300.
- Katayama, Toshinori: *See*—
  - Higuchi, Seijun; Ohga, Tomonari; Katayama, Toshinori; and Yamamoto, Fumio, 4,842,958, Cl. 428-629.000.
- Katayama, Yasuhiro: *See*—
  - Takahashi, Satomi; Yamada, Yukio; Ueda, Yasuyoshi; Katayama, Yasuhiro; Shimada, Yoshio; and Watanabe, Kiyoshi, 4,812,406, Cl. 435-280.000.
- Katayama, Yoshifumi; Shiraki, Yasuhiro; and Murayama, Yoshimasa, to Hitachi, Ltd. Semiconductor device having ultrahigh-mobility. 4,796,068, 1-3-89, Cl. 357-4.000.
- Katayama, Yoshifumi: *See*—
  - Morioka, Makoto; Mishima, Tomoyoshi; Hiruma, Kenji; Katayama, Yoshifumi; and Shiraki, Yasuhiro, 4,835,583, Cl. 357-4.000.
- Katayama, Yoshio: *See*—
  - Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,797,759, Cl. 360-92.000.
  - Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,807,058, Cl. 360-60.000.
  - Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,809,098, Cl. 360-92.000.
  - Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,843,492, Cl. 360-74.100.
  - Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,879,613, Cl. 360-92.000.
- Katayose, Hiroichi; Yokosuka, Hiroshi; and Seto, Katsuyuki, to Fujikura Ltd. Optical fiber cable. 4,804,245, 2-14-89, Cl. 350-96.230.
- Katayose, Shinji: *See*—
  - Tamura, Minoru; Katayose, Shinji; Murakami, Terukiyo; and Izumi, Hisashi, 4,879,657, Cl. 364-431.070.
- Katbi, Karl A.: *See*—
  - Bernadic, Thomas J.; Lowe, Tony M.; Patterson, John H.; Katbi, Karl A.; Zimmerman, Charles E.; and Val, Yefim, 4,846,609, Cl. 407-114.000.
  - Patterson, John H.; Lowe, Tony M.; Bernadic, Thomas J.; Val, Yefim; Katbi, Karl A.; and Zimmerman, Charles E., 4,859,122, Cl. 407-114.000.
- Katchalski-Katzir, Ephraim: *See*—
  - Hollander, Zeev; Salomon, Beka; and Katchalski-Katzir, Ephraim, 4,876,191, Cl. 435-7.000.
- Katchen, Bernard: *See*—
  - Piwinski, John J.; Green, Michael J.; Ganguly, Ashit K.; Wong, Jesse K.; Katchen, Bernard; and Cramer, Jeffrey, 4,804,666, Cl. 514-278.000.
- Katcher, Jay H.; Mabon, John T.; Matherly, Jennifer W.; McCarty, Lawrence T.; and Schara, Robert E., to General Foods Corporation. Method for pregelatinized, spray-dried starch agglomerates. 4,871,398, 10-3-89, Cl. 127-71.000.
- Katcher, Jay H.: *See*—
  - Schara, Robert E.; and Katcher, Jay H., 4,847,371, Cl. 536-111.000.
- Katchka, Jay R.; Yeaman, George A.; and McKinney, Richard W., to Robertshaw Controls Company. Burner control device, system and method of making the same. 4,872,830, 10-10-89, Cl. 431-54.000.
- Katchka, Jay R.: *See*—
  - Kelly, Samuel T.; and Katchka, Jay R., 4,830,039, Cl. 137-66.000.
- Katchko, John E.; Strobel, Charles W.; and Plaisance, Thomas H., to DeSoto, Inc. Thermosetting size press composition. 4,797,176, 1-10-89, Cl. 162-135.000.
- Katec Betz GmbH & Co.: *See*—
  - Obermuller, Herbert J., 4,820,500, Cl. 423-210.000.
  - Obermuller, Herbert J., 4,850,857, Cl. 431-242.000.
- Katerberg, James A., to Eastman Kodak Company. Multicolor printing apparatus and method having vernier detection/correction system for adjusting color separation planes. 4,878,063, 10-31-89, Cl. 346-1.100.
- Katerberg, James A.; Wint, Robert L.; and Lewis, Richard A., to Eastman Kodak Company. Continuous ink jet stimulation adjustment based on overdrive detection. 4,878,064, 10-31-89, Cl. 346-75.000.
- Katerberg, James A.: *See*—
  - Williams, Theodore F.; Katerberg, James A.; Young, Lawrence R.; and Isaacson, James D., 4,837,585, Cl. 346-75.000.
- Katerinopoulos, Haralambos E.: *See*—
  - DeMarinis, Robert M.; Katerinopoulos, Haralambos E.; and Muirhead, Katharine A., 4,849,362, Cl. 436-63.000.
- Kates, James M. Hearing aid signal-processing system. 4,852,175, 7-25-89, Cl. 381-68.400.
- Kathawala, Faizulla G., to Sandoz Pharm. Corp. Pyrazolopyridine analogs of mevalonolactone and derivatives thereof useful for inhibiting cholesterol biosynthesis in mammals. 4,822,799, 4-18-89, Cl. 514-303.000.
- Kathke, Gregor, to W. Schlafhorst & Co. Method and means for controlling the automatic winding of yarn on a take-up package of a textile winding machine. 4,804,151, 2-14-89, Cl. 242-35.60R.
- Kathke, Gregor: *See*—
  - Ruge, Joachim; Neuhaus, Ludwig; Kathke, Gregor; Hermanns, Ferdinand-Josef; and Gebald, Gregor, 4,828,191, Cl. 242-18.00R.
  - Ruge, Joachim; Kathke, Gregor; and Schlosser, Helmut, 4,879,475, Cl. 307-68.000.
- Kathol, Shawn; and Williams, Patrick R., to Hughes Aircraft Company. Process for en route aircraft conflict alert determination and prediction. 4,839,658, 6-13-89, Cl. 342-455.000.
- Katinger, Hermann W., to Chemap AG. Method and device for separating liquid and/or gas from liquid or gaseous mixture. 4,828,719, 5-9-89, Cl. 210-780.000.
- Kato, Akihiko: *See*—
  - Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.
  - Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.
- Kato, Akio; Nakatani, Keiji; Wada, Kanji; Hashimoto, Kaoru; Nishimori, Kadotaro; and Higaki, Masahiro, to Minolta Camera Kabushiki Kaisha. Copy apparatus with pattern writing capability. 4,806,976, 2-21-89, Cl. 355-7.000.
- Kato, Akio; and Naito, Hideo, to Ichikoh Industries, Ltd. Lighting device for use with vehicles. 4,860,174, 8-22-89, Cl. 362-61.000.
- Kato, Akio; Hamano, Hiroaki; and Ito, Hideo, to Minolta Camera Kabushiki Kaisha. Electronic machine having time measuring function. 4,882,604, 11-21-89, Cl. 355-201.000.
- Kato, Akira; and Yamada, Junichiro, to Kabushiki Kaisha Toshiba. Control device for electric train. 4,795,859, 1-3-89, Cl. 191-4.000.
- Kato, Akira; Ikuta, Terukuni; and Tamada, Masamichi, to Teijin Limited. Oxygen enriching apparatus with means for regulating oxygen concentration of oxygen enriched gas. 4,822,384, 4-18-89, Cl. 55-158.000.
- Kato, Akira: *See*—
  - Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.
- Kato, Arthur K.: *See*—
  - Leonard, Vurnen; Kato, Arthur K.; Ohmori, Kiyoshi; Fujiwara, Keisuke; and Soda, Yutaka, 4,875,128, Cl. 360-133.000.
- Kato, Atsuhiko: *See*—
  - Suzuki, Toru; Kato, Atsuhiko; Hosoi, Mitsuo; and Nakano, Ichiro, 4,862,047, Cl. 318-587.000.
- Kato, Chiaki; Hatta, Toshiyuki; Isomura, Akihiko; Toyooka, Shinichi; and Nishi, Masaya, to Sumitomo Electric Industries, Ltd. Elastic roller for fixing and method of producing the same. 4,844,953, 7-4-89, Cl. 427-387.000.
- Kato, Chiaki; Nishi, Masaya; and Hatta, Toshiyuki, to Sumitomo Electric Industries, Ltd. Elastic fixing roller. 4,887,340, 12-19-89, Cl. 29-130.000.
- Kato, Chuzo; and Kuroda, Kazuyuki, to Osaka Yuki Kagakuo Kogyo Kabushiki Kaisha. Photochromic-electrochromic intercalation compound. 4,875,762, 10-24-89, Cl. 350-357.000.
- Kato, Csaba, to Aquasafe, Inc. Inflatable emergency flotation device. 4,887,987, 12-19-89, Cl. 441-96.000.
- Kato, Daisaku: *See*—
  - Miyamoto, Fumitaka; and Kato, Daisaku, 4,855,831, Cl. 358-183.000.
- Kato, Eiichi; Ishii, Kazuo; Itakura, Ryosuke; and Sera, Hidefumi, to Fuji Photo Film Co., Ltd. Electrophotographic lithographic printing plate precursor. 4,828,952, 5-9-89, Cl. 430-87.000.
- Kato, Eiichi; Dan, Shigeyuki; Ishibashi, Hiroshi; Ishii, Kazuo; and Sera, Hidefuji, to Fuji Photo Film Co., Ltd. Liquid developer for electrostatic photography. 4,840,865, 6-20-89, Cl. 430-114.000.
- Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; Dan, Shigeyuki; and Sera, Hidefumi, to Fuji Photo Film Co., Ltd. Method of making liquid developer for electrostatic photography. 4,842,975, 6-27-89, Cl. 430-137.000.
- Kato, Eiichi; and Ishii, Kazuo, to Fuji Photo Film Co., Ltd. Photoconductive composition. 4,857,431, 8-15-89, Cl. 430-91.000.
- Kato, Eiichi; Ishii, Kazuo; and Itakura, Ryosuke, to Fuji Photo Film Co., Ltd. Electrophotographic photosensitive material with binder combination. 4,871,638, 10-3-89, Cl. 430-96.000.
- Kato, Eiichi; and Ishii, Kazuo, to Fuji Photo Film Co., Ltd. Electrophotographic lithographic printing plate precursor having resin coat layer. 4,880,716, 11-14-89, Cl. 430-49.000.
- Kato, Eiichi: *See*—
  - Dan, Shigeyuki; Kato, Eiichi; Ishii, Kazuo; Ishibashi, Hiroshi; and Sera, Hidefumi, 4,837,102, Cl. 430-114.000.
- Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seiichi; Yoshiharu; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshiharu, to Aisin AW Co. Ltd.; and Toyota Jidosha Kabushiki Kaisha. Accumulator. 4,875,665, 10-24-89, Cl. 267-170.000.
- Kato, Eiji; Kuboshima, Katsumi; and Kaneko, Tomoyuki, to Shizuoka Prefectural Government; and Nihon Dimple Carton Co., Ltd. Heat insulating packaging box. 4,883,196, 11-28-89, Cl. 220-415.000.
- Kato, Etsuro, to Nissan Chemical Industries, Ltd. Powder of coag lated spherical zirconia particles and process for producing them. 4,873,064, 10-10-89, Cl. 423-85.000.
- Kato, Fumio: *See*—
  - Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, Noboru; Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumio; and Matsubara, Tamotsu, 4,833,181, Cl. 524-13.000.
- Kato, Fumiyasu: *See*—
  - Mochizuki, Seiji; and Kato, Fumiyasu, 4,875,633, Cl. 242-58.300.
- Kato, Hajime: *See*—
  - Ohta, Naotake; Yotsumoto, Masahiro; Nishino, Haruo; Tanahashi, Hiroshi; Kato, Hajime; Tazawa, Toshiaki; Noda, Hideo; and Wakabayashi, Yuzuru, 4,798,131, Cl. 99-277.200.
- Kato, Haruo, to Kabushiki Kaisha Toshiba. Endoscopic system for converting primary color images into hue, saturation and intensity images. 4,805,016, 2-14-89, Cl. 358-98.000.
- Kato, Haruo, to Kabushiki Kaisha Toshiba. Local area communication network. 4,805,168, 2-14-89, Cl. 370-85.000.

- Kato, Haruo; and Saito, Satoshi, to Kabushiki Kaisha Toshiba. Endoscopic apparatus. 4,827,909, 5-9-89, Cl. 128-6.000.
- Kato, Haruo: *See*—
  - Kikuchi, Katsuya; and Kato, Haruo, 4,819,077, Cl. 358-98.000.
  - Takeda, Kanji; Taguchi, Seiji; Nakai, Toshikazu; and Kato, Haruo, 4,842,253, Cl. 266-44.000.
- Kato, Haruya: *See*—
  - Fukasawa, Junichi; Kato, Haruya; Iwaya, Katsumasa; Shimizu, Takako; and Kawano, Atsushi, 4,857,308, Cl. 424-63.000.
  - Imamura, Takashi; Nishigawa, Norio; Kurosaki, Tomihiro; Fukasawa, Junichi; and Kato, Haruya, 4,804,533, Cl. 424-69.000.
- Kato Hatsujo Kaisha, Ltd.: *See*—
  - Asano, Kazunori; and Aoki, Toshihiko, 4,834,573, Cl. 403-344.000.
  - Ohkaka, Ichizo; and Nakajima, Hiroaki, 4,807,622, Cl. 128-305.000.
  - Okada, Shigeo, 4,865,505, Cl. 411-512.000.
  - Takahashi, Yasuo, 4,882,814, Cl. 24-20.00R.
- Kato Hatsujyo Co., Ltd.: *See*—
  - Ohkata, Ichizo; and Takahashi, Hiroshi, 4,838,842, Cl. 474-192.000.
- Kato, Heiji: *See*—
  - Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.
- Kato, Heizaburo, to Sankyo Manufacturing Company, Ltd. Material feeding apparatus. 4,819,850, 4-11-89, Cl. 226-162.000.
- Kato, Heizaburo, to Sankyo Manufacturing Co. Pressing machine. 4,836,101, 6-6-89, Cl. 100-215.000.
- Kato, Heizaburo, to Sankyo Manufacturing Co., Ltd. Roll feed apparatus. 4,842,180, 6-27-89, Cl. 226-176.000.
- Kato, Heizaburo, to Sankyo Manufacturing Company, Ltd. Roll feed apparatus. 4,844,444, 7-4-89, Cl. 271-268.000.
- Kato, Heizaburo, to Sankyo Manufacturing Company, Ltd. Roll feed apparatus. 4,848,636, 7-18-89, Cl. 226-152.000.
- Kato, Heizaburo, to Sankyo Manufacturing Company, Ltd. Roll feed apparatus. 4,869,411, 9-26-89, Cl. 226-142.000.
- Kato, Heizaburo, to Sankyo Manufacturing Company, Ltd. Rolling contact device. 4,881,828, 11-21-89, Cl. 384-127.000.
- Kato, Heizaburo, to Sankyo Manufacturing Co., Ltd. Material feeding apparatus. 4,883,210, 11-28-89, Cl. 226-100.000.
- Kato, Heizaburo, to Sankyo Manufacturing Company, Ltd. Press apparatus for small precision part. 4,884,433, 12-5-89, Cl. 72-446.000.
- Kato, Hideaki, to NEC Corporation. Time base correcting apparatus. 4,796,243, 1-3-89, Cl. 360-36.200.
- Kato, Hidehito: *See*—
  - Suga, Yoshinori; Tanaka, Eiji; Enokido, Nobuo; Kato, Hidehito; and Shibata, Katsuji, 4,824,704, Cl. 428-36.920.
- Kato, Hideo; Shibatya, Hirofumi; and Matsuda, Keiko, to Canon Kabushiki Kaisha. Lithographic mask structure and process for preparing the same. 4,804,600, 2-14-89, Cl. 430-5.000.
- Kato, Hideo; Iwahashi, Hiroshi; Asano, Masamichi; Narita, Akira; and Kikuchi, Shinichi, to Kabushiki Kaisha Toshiba. Control pulse generator. 4,804,929, 2-14-89, Cl. 331-57.000.
- Kato, Hideo; Matsushima, Masaaki; Matsuda, Keiko; and Shibata, Hirofumi, to Canon Kabushiki Kaisha. Mask structure for lithography, method of preparation thereof and lithographic method. 4,837,123, 6-6-89, Cl. 430-269.000.
- Kato, Hidetoshi, to Nippondenso Co., Ltd. Apparatus and method for engine idle speed control. 4,794,898, 1-3-89, Cl. 123-339.000.
- Kato, Hideyo: *See*—
  - Ichiryu, Ken; Kanai, Takashi; Ochiai, Masami; Nozawa, Yuusaku; and Kato, Hideyo, 4,813,447, Cl. 137-486.000.
- Kato, Hiroaki; Tanaka, Hirohisa; and Funada, Fumiaki, to Sharp Kabushiki Kaisha. Active liquid crystal color display device having branchless scan electrodes. 4,834,507, 5-30-89, Cl. 350-339.00F.
- Kato, Hirohiko: *See*—
  - Abe, Akira; Mihayashi, Keiji; Kobayashi, Hidetoshi; and Kato, Hirohiko, 4,840,877, Cl. 430-350.000.
- Kato, Hironori, to Alps Electric Co., Ltd. Cable reel. 4,844,359, 7-4-89, Cl. 242-54.00R.
- Kato, Hironori: *See*—
  - Ida, Yuichi; Yamaguchi, Kiichi; and Kato, Hironori, 4,849,586, Cl. 200-61.540.
- Kato, Hiroshi; and Saito, Reiko, to Sony Corporation. Method for manufacturing a phosphor pattern using phososensitive phosphor paste layer of high viscosity. 4,828,949, 5-9-89, Cl. 430-28.000.
- Kato, Hiroshi: *See*—
  - Ebinuma, Takanori; Kato, Hiroshi, and Sakurai, Mituko, 4,798,182, Cl. 123-195.00R.
  - Ito, Akio; and Kato, Hiroshi, 4,840,509, Cl. 401-198.000.
  - Yano, Shinsuke; Nishigaki, Susumu; Kato, Hiroshi; and Nonomura, Toshio, 4,824,813, Cl. 501-139.000.
- Kato, Hiroyasu: *See*—
  - Ishikawa, Tetsushi; Okabe, Masato; and Kato, Hiroyasu, 4,840,142, Cl. 119-17.000.
- Kato, Hiroyuki: *See*—
  - Taguchi, Hiromu; Mizutani, Kiyokazu; Kato, Hiroyuki; and Endo, Takeshi, 4,870,193, Cl. 549-334.000.
- Kato, Hisaaki; and Mori, Hideshi, to Murata Kikai Kabushiki Kaisha. Belt type false twister. 4,852,341, 8-1-89, Cl. 57-328.000.
- Kato, Hisami: *See*—
  - Shibata, Nobuo; Suzuki, Toshio; Fujii, Takashi; Arai, Junichi; and Kato, Hisami, 4,805,929, Cl. 280-721.000.
- Kato, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Industrial robot. 4,817,017, 3-28-89, Cl. 364-513.000.
- Kato, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Hand device for industrial robot. 4,834,440, 5-30-89, Cl. 294-86.400.
- Kato, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Industrial robot control device. 4,341,210, 6-20-89, Cl. 318-568.240.
- Kato, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Industrial robot adjustment device. 4,865,512, 9-12-89, Cl. 414-680.000.
- Kato, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Industrial robot device including a robot and a processing machine. 4,868,473, 9-19-89, Cl. 318-568.230.
- Kato, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Industrial robot control device. 4,887,014, 12-12-89, Cl. 318-568.110.
- Kato, Hisatoyo; and Agano, Toshitaka, to Fuji Photo Film Co., Ltd. Radiation image read-out and reproducing apparatus. 4,864,135, 9-5-89, Cl. 250-327.200.
- Kato, Hisatoyo: *See*—
  - Shiraishi, Hisashi; Miyahara, Junji; and Kato, Hisatoyo, 4,865,967, Cl. 435-6.000.
- Kato, Hitoshi: *See*—
  - Mizutani, Kiyokazu; Kato, Hitoshi; Ogasawara, Kuniko; and Endo, Takeshi, 4,849,529, Cl. 549-334.000.
  - Nakao, Shinroku; Suzuki, Yoshiyuki; and Kato, Hitoshi, 4,805,928, Cl. 280-642.000.
  - Nakao, Shinroku; Suzuki, Yoshiyuki; and Kato, Hitoshi, 4,832,361, Cl. 280-642.000.
- Kato, Houji: *See*—
  - Hashimoto, Isao; Tomino, Ikuo; Kato, Houji; Kihara, Noriaki; and Mukaiyama, Teruaki, 4,808,726, Cl. 548-342.000.
- Kato, Ichie: *See*—
  - Ueno, Ryuzo; Ueno, Ryuji; Kita, Hiroshi; Kato, Ichie; Tabata, Akihiko; and Hironaka, Takashi, 4,868,203, Cl. 514-423.000.
- Kato, Ikuo: *See*—
  - Osada, Hisashi; Fujioka, Hideaki; Kato, Ikuo; and Yamashita, Yoshinari, 4,807,036, Cl. 358-196.000.
- Kato, Isamu; Yuhda, Sadayuki; Oda, Naoki; and Suganuma, Masahiro, to Sankin Kogyo Kabushiki Kaisha. Antibiotic alloys. 4,822,567, 4-18-89, Cl. 420-95.000.
- Kato, Isamu: *See*—
  - Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Isamu; Nakano, Kazuyuki; and Isomura, Ryozo, 4,824,373, Cl. 433-200.100.
- Kato, Jeff J.; Ruska, David W.; and Van Maren, David J., to Hewlett-Packard Company. Performance-based reset of data compression dictionary. 4,847,619, 7-11-89, Cl. 341-106.000.
- Kato, Jeff J.: *See*—
  - Van Maren, David J.; and Kato, Jeff J., 4,870,415, Cl. 341-94.000.
- Kato, Junichi: *See*—
  - Yokotani, Yoichiro; Kagata, Hiroshi; Niwa, Hiroshi; Kato, Junichi; and Mihara, Toshihiro, 4,885,661, Cl. 361-321.000.
- Kato, Juri, to Seiko Epson Corporation. Improved semiconductor device having a polycrystalline isolation region. 4,800,417, 1-24-89, Cl. 357-59.000.
- Kato, Juri, to Sieko Epson Corporation. Polycrystalline semiconductor deposition in groove for device insolation. 4,833,098, 5-23-89, Cl. 437-38.000.
- Kato, Kaneyuki; Teraji, Kazufumi; Nishino, Seiichi; and Suzuki, Teruo, to NEC Corporation. Card-shaped information storage medium. 4,843,226, 6-27-89, Cl. 235-492.000.
- Kato, Kanji: *See*—
  - Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.
- Kato, Kaoru; Koma, Hachiro; and Kawai, Masashi, to Matsushita Refrigeration Company. Fin tube heat exchanger. 4,832,117, 5-23-89, Cl. 165-151.000.
- Kato, Katsuhiko: *See*—
  - Tanemura, Fumikazu; Honda, Toru; Kajita, Yoshiharu; Kato, Katsuhiko; and Sakakibara, Keisuke, 4,849,383, Cl. 501-104.000.
- Kato, Katsuo: *See*—
  - Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, 4,815,481, Cl. 131-94.000.
  - Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, 4,883,078, Cl. 131-280.000.
- Kato, Katsushi: *See*—
  - Yamada, Hirotada; Ina, Yoshifumi; Kondo, Toshio; and Kato, Katsushi, 4,827,897, Cl. 123-497.000.
- Kato, Kazumi: *See*—
  - Ishii, Yoh; Abe, Masami; Harada, Yuhzoh; Takasugi, Atsumi; and Kato, Kazumi, 4,875,519, Cl. 164-465.000.
  - Yamanoi, Tukio; Kandachi, Mitsuo; Iwata, Masahiro; and Kato, Kazumi, 4,860,568, Cl. 72-291.000.
- Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, to Mochida Pharmaceutical Co., Ltd. Cephalosporin derivatives and their crystalline derivatives. 4,866,055, 9-12-89, Cl. 514-206.000.
- Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, to Mochida Pharmaceutical Co., Ltd. Cephalosporin derivatives. 4,880,798, 11-14-89, Cl. 514-206.000.
- Kato, Kazuo: *See*—
  - Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,829,201, Cl. 307-446.000.
  - Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,890,017, Cl. 307-446.000.
  - Mochida, Ei; Uemura, Akio; Kato, Kazuo; Tokunaga, Hiroki; and Haga, Akinori, 4,839,368, Cl. 514-313.000.

Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuchi, Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masashi; and Kato, Kazuo, 4,810,640, Cl. 435-25.000.

Shimokawa, Ryushi; Ueda, Seiichi; Kamata, Yasuji; Yamashita, Kenkichi; Kato, Kazuo; and Sato, Hideo, 4,888,561, Cl. 330-290.000.

Kato, Kazutoshi: *See*—

Miyazawa, Shyoichi; Kawamura, Satoshi; Tohyama, Shoichiro; Ishibashi, Akira; Kato, Kazutoshi; and Ideda, Junichi, 4,809,091, Cl. 360-48.000.

Kato, Kazuya: *See*—

Toyama, Toshio; Kato, Kazuya; Tanaka, Tadamasa; Yajima, Masashi; Hayasaka, Harutaka; Arai, Toru; and Terada, Hitoshi, 4,847,465, Cl. 219-85.100.

Kato, Kazuyoshi: *See*—

Konishi, Takao; Sugimori, Giichi; Kato, Kazuyoshi; Kimura, Nobutake; and Shibata, Kenji, 4,837,018, Cl. 424-92.000.

Kato, Keishi, to Fuji Photo Film Co., Ltd. Liquid developing apparatus with a plurality of fountain and discharge slits. 4,827,309, 5-2-89, Cl. 355-256.000.

Kato, Keishi: *See*—

Shiozawa, Etsuo; Kato, Keishi; and Yoshimi, Yoshiki, 4,863,543, Cl. 156-235.000.

Kato, Kenji; and Okutani, Koji, to Janome Sewing Machine Co. Ltd. Initial operation controlling system for a computer controlled embroidering machine. 4,858,542, 8-22-89, Cl. 112-121.120.

Kato, Kenshiro: *See*—

Endo, Kazuyuki; Taniguchi, Motoaki; Yamada, Shigeki; Takahashi, Masanobu; and Kato, Kenshiro, 4,811,773, Cl. 152-543.000.

Kato, Kenzo; and Yamada, Kengi, to Beloit Corporation. Coating width regulating apparatus. 4,860,686, 8-29-89, Cl. 118-410.000.

Kato, Kiichi: *See*—

Kaneko, Nobuyuki; and Kato, Kiichi, 4,890,274, Cl. 369-45.000.

Kato, Kiminari: *See*—

Kawasaki, Keiji; and Kato, Kiminari, 4,850,803, Cl. 416-241.00B.

Oda, Isao; and Kato, Kiminari, 4,839,214, Cl. 428-116.000.

Kato, Kinya: *See*—

Hayano, Fuminori; Imamura, Kazunori; Murata, Sunao; and Kato, Kinya, 4,889,998, Cl. 250-563.000.

Kato, Kiyoshi: *See*—

Kozawa, Tadashi; Natsume, Naohiro; Komatsubara, Hirofumi; Takaku, Yasunori; Kato, Kiyoshi; and Harada, Seiichi, 4,854,830, Cl. 417-365.000.

Kato, Kiyotaka; and Oshima, Michitaka, to Mitsubishi Denki Kabushiki Kaisha. Graphics input apparatus. 4,875,033, 10-17-89, Cl. 340-706.000.

Kato, Kiyotaka: *See*—

Matsui, Haruo; Nakagawa, Ippei; and Kato, Kiyotaka, 4,873,073, Cl. 423-617.000.

Kato, Kohji: *See*—

Endo, Hideki; Hashimoto, Kazuto; and Kato, Kohji, 4,833,203, Cl. 525-67.000.

Kato, Koichi; Yamada, Takao; and Kawahara, Kenji, to Takeda Chemical Industries, Ltd. Mutual separation of proteins. 4,798,886, 1-17-89, Cl. 530-416.000.

Kato, Koji; Umehara, Noritsugu; Adachi, Shigeru; and Sato, Shin, to Kato, Koji; and JGC Corporation. Method for grinding using a magnetic fluid and an apparatus thereof. 4,821,466, 4-18-89, Cl. 51-317.000.

Kato, Koji: *See*—

Kobayashi, Satoshi; and Kato, Koji, 4,884,668, Cl. 192-4.00A.

Mizuno, Takeyuki; and Kato, Koji, 4,886,695, Cl. 428-137.000.

Tan, Hiroaki; Kato, Koji; Imuta, Junichi; and Kihara, Noriaki, 4,886,910, Cl. 564-215.000.

Kato, Kunioki; Kawamura, Masao; Goda, Hiroshi; Sawada, Kiyoshi; and Hamatani, Kazuhiro, to Seitetsu Kagaku Co., Ltd. Process for preparing N,N-dialkylaniline salt of 5-acetyl-2-alkylbenzene sulfonic acid. 4,853,158, 8-1-89, Cl. 562-46.000.

Kato, Kunioki: *See*—

Onoe, Akira; Kawamura, Masao; Kato, Kunioki; Yoshikawa, Masato; and Kagano, Hirokazu, 4,849,138, Cl. 562-125.000.

Suzuki, Michio; Kawamura, Masao; Kato, Kunioki; Takahashi, Masahide; Morishita, Tsuyoshi; Nakayama, Kazuyuki; and Nakatsuka, Akio, 4,835,317, Cl. 568-66.000.

Kato, Makoto; Homma, Koichi; Komura, Fuminobu; and Furuya, Toshihiro, to Hitachi, Ltd. Scanning electron microscope. 4,803,358, 2-7-89, Cl. 250-310.000.

Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, to Hitachi, Ltd. Method of measuring sectional shape and a system therefor. 4,835,385, 5-30-89, Cl. 250-310.000.

Kato, Makoto: *See*—

Momose, Kaoru; Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, 4,817,178, Cl. 382-46.000.

Kato, Mamoru; Maekawa, Kouji; Matsunobu, Kenichi; Fujie, Naoka; and Hazama, Hiroyuki, to Mita Industrial Co., Ltd. Development process in electrophotography utilizing carbon black of specified coloring power. 4,826,750, 5-2-89, Cl. 430-122.000.

Kato, Mamoru: *See*—

Ito, Toshiyasu; Minoura, Jun; Mori, Takaaki; Takahashi, Shigeyuki; Kato, Mamoru; Shimada, Junichi; and Hayakawa, Fujio, 4,874,229, Cl. 350-357.000.

Kato, Masaaki; Shinohara, Katumi; and Sugiyama, Hiromu, to Asahi Denka Kogyo Kabushiki Kaisha. Process for preparing emulsified fat composition containing cheese. 4,861,610, 8-29-89, Cl. 426-582.000.

Kato, Masaaki; Uno, Tetsuya; Kobayashi, Masao; and Osuga, Naoto, to Mitsubishi Rayon Co., Ltd. Process for the production of deuterated methyl acrylate or deuterated methyl methacrylate. 4,874,890, 10-17-89, Cl. 560-205.000.

Kato, Masaaki: *See*—

Kamogawa, Masatake; and Kato, Masaaki, 4,814,305, Cl. 502-26.000.

Oh-Kita, Motomu; Kato, Masaaki; and Kobayashi, Masao, 4,803,302, Cl. 562-534.000.

Oh-Kita, Motomu; Ishii, Kazuhiro; and Kato, Masaaki, 4,804,771, Cl. 562-534.000.

Oh-Kita, Motomu; Taniguchi, Yoshiyuki; Kato, Masaaki; and Kobayashi, Masao, 4,816,603, Cl. 562-538.000.

Kato, Masahiko; Katou, Masanori; Kuwakado, Satosi; Tanaka, Katsuyuki; and Ito, Koji, to Nippondenso Co., Ltd.; and Nippon Soken, Inc. Active silencer. 4,805,733, 2-21-89, Cl. 181-206.000.

Kato, Masahiko: *See*—

Mizuno, Genji; Nishii, Michiharu; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,848,853, Cl. 303-110.000.

Nishii, Michiharu; Mizuno, Genji; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,887,869, Cl. 303-114.000.

Kato, Masahiro; and Kakuta, Yuichi, deceased (by Kakuta, Rokuro, legal representative), to Canon Denshi Kabushiki Kaisha. Magnetic disc unit employing temperature compensation. 4,881,142, 11-14-89, Cl. 360-106.000.

Kato, Masakazu; and Futsuhara, Koichi, to Nippon Signal Co., Ltd., The. Logic operation-oscillation circuit. 4,795,921, 1-3-89, Cl. 307-442.000.

Kato, Masakazu, to Alps Electric Co., Ltd. Thermal head. 4,825,04[illegible], 4-25-89, Cl. 219-216.000.

Kato, Masakazu, to Alps Electric Co., Ltd. Thermal head containing an insulating, heat conductive layer. 4,845,339, 7-4-89, Cl. 219-216.000.

Kato, Masakazu, to Alps Electric Co., Ltd. Overcoating layer for thermal printing head. 4,862,195, 8-29-89, Cl. 346-76.0PH.

Kato, Masami: *See*—

Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, 4,838,215, Cl. 123-52.0MB.

Kato, Masanori: *See*—

Ogata, Takashi; Kato, Masanori; Kawasumi, Yoshio; Tominaga, Chikara; and Tanaka, Kanji, 4,874,436, Cl. 148-2.000.

Kato, Masao; Mitani, Yoichiro; and Yamada, Tsuneo, to NTN Toyo Bearing Co., Ltd. Wheel bearing assembly for automotive wheel. 4,865,468, 9-12-89, Cl. 384-448.000.

Kato, Masao: *See*—

Matsuda, Hiro; Nakanishi, Hachiro; Kato, Masao; Tanaka, Yoshio; and Nakayama, Kazuo, 4,814,404, Cl. 526-285.000.

Ogawa, Tetsuji; and Kato, Masao, 4,858,108, Cl. 364-200.000.

Kato, Masaru: *See*—

Matsumoto, Yasuki; and Kato, Masaru, 4,857,813, Cl. 318-54.000.

Kato, Masashi; and Yokota, Akira, to Japan Steel Works, Ltd., The. Method and apparatus for controlling screw positions in injection molding machine. 4,832,883, 5-23-89, Cl. 264-40.100.

Kato, Masatake; Shiraishi, Akihiko; and Kawamoto, Kenichi, to Canon Kabushiki Kaisha. Camera. 4,833,498, 5-23-89, Cl. 354-410.000.

Kato, Masatake; Tsuji, Sadahiko; Sugiura, Muneharu; and Tanaka, Kazuo, to Canon Kabushiki Kaisha. Compact zoom lens. 4,854,6[illegible], 8-8-89, Cl. 350-427.000.

Kato, Masatake: *See*—

Shiraishi, Akihiko; Kato, Masatake; and Kawamoto, Kenichi, 4,855,814, Cl. 358-29.000.

Kato, Masatoshi: *See*—

Aotsuka, Yasuo; Kato, Masatoshi; and Yoneyama, Masaaki, 4,868,097, Cl. 430-351.000.

Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; [illegible] Masaaki; and Kato, Masatoshi, 4,824,759, Cl. 430-203.000.

Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; [illegible] Masaaki; and Kato, Masatoshi, 4,845,018, Cl. 430-203.000.

Kato, Masayasu: *See*—

Naito, Kenzo; Kato, Masayasu; and Tsukamura, Kazuo, 4,801,7[illegible], Cl. 540-227.000.

Kato, Masayoshi: *See*—

Kanda, Hitoshi; and Kato, Masayoshi, 4,802,977, Cl. 209-143.000.

Kanda, Hitoshi; and Kato, Masayoshi, 4,844,349, Cl. 241-19.000.

Kato, Masayuki; Yamagishi, Fumio; Hasegawa, Shin-ya; Ikeda, Hiroyuki; and Inagaki, Takefumi, to Fujitsu Limited. Optical pickup. 4,824,191, 4-25-89, Cl. 350-3.720.

Kato, Masayuki; Maeda, Satoshi; Yamagishi, Fumio; Ikeda, Hiroyuki; and Inagaki, Takefumi, to Fujitsu Limited. Optical system with grating lens assembly for correcting wavelength aberration. 4,832,464, 5-23-89, Cl. 350-3.720.

Kato, Masayuki; Kato, Shinjiro; and Tamura, Fumio, to Pioneer Electronic Corporation. Mobile automatic volume control apparatus. 4,864,246, 9-5-89, Cl. 330-129.000.

Kato, Mikio, to Brother Kogyo Kabushiki Kaisha. Method of controlling a step motor. 4,803,414, 2-7-89, Cl. 318-696.000.

Kato, Minoru; Okamoto, Sohei; and Suzuki, Yukio, to Kabushiki Kaisha Iseki Kaihatsu Koki. Clarification device. 4,810,377, 3-7-89, Cl. 210-150.000.

Kato, Minoru; and Hayashi, Yutaka, to Canon Denshi Kabushiki Kaisha. Circuiting device. 4,823,217, 4-18-89, Cl. 360-104.000.

Kato, Minoru: *See*—

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,804,604, Cl. 430-57.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,818,655, Cl. 430-60.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,824,749, Cl. 430-66.000.

Takai, Tetsuya; Aoike, Tatsuyuki; Kato, Minoru; and Saito, Keishi, 4,795,691, Cl. 430-67.000.

Kato, Motohiko: *See*—

Suzuki, Yasunobu; Kato, Motohiko; Bando, Akio; Ishida, Hisao; and Nishimura, Akihiro, 4,887,758, Cl. 228-5.100.

Kato, Motoi: *See*—

Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Iichiro; Kato, Motoi; Ohsaki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, 4,864,419, Cl. 358-300.000.

Kato, Motokazu: *See*—

Sato, Kiyosumi; Mizushima, Yoshihiro; Ohnishi, Katsumi; Kato, Motokazu; and Matsumoto, Toshio, 4,835,677, Cl. 364-200.000.

Kato, Naoyuki, to Mitsubishi Yuka Badische Co., Ltd. Manufacturing method for an expanded laminated sheet. 4,836,871, 6-6-89, Cl. 156-79.000.

Kato, Noboru: *See*—

Nakao, Fumiaki; and Kato, Noboru, 4,845,607, Cl. 363-49.000.

Nakao, Fumiaki; Shimizu, Toshihiro; and Kato, Noboru, 4,864,163, Cl. 307-362.000.

Kato, Nobuaki: *See*—

Endo, Tunehiro; Kato, Nobuaki; Iizuka, Kenichi; and Tajima, Fumio, 4,879,502, Cl. 318-723.000.

Kato, Nobuhide: *See*—

Iino, Atsushi; and Kato, Nobuhide, 4,824,548, Cl. 204-406.000.

Kurachi, Hiroshi; Ishiguro, Fujio; and Kato, Nobuhide, 4,863,583, Cl. 204-424.000.

Kato, Nobuhisa, to Fuji Xerox Co., Ltd. Thermal recording apparatus with resistance compensation. 4,801,948, 1-31-89, Cl. 346-76.0PH.

Kato, Nobuji: *See*—

Watanabe, Touru; and Kato, Nobuji, 4,846,942, Cl. 204-58.500.

Kato, Nobukatsu: *See*—

Fukuda, Yoshiaki; Miyasaka, Takeshi; Matsumoto, Iori; Kato, Nobukatsu; and Ema, Kenji, 4,797,242, Cl. 264-108.000.

Kato, Nobuo: *See*—

Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, 4,859,701, Cl. 514-510.000.

Kato, Nobuyuki; Takahashi, Tokuyuki; and Itoh, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Hydraulic control device for 4WD torque distribution clutch providing stabilized pressure characteristics. 4,840,263, 6-20-89, Cl. 192-109.00F.

Kato, Nobuyuki; Kuramochi, Koujiro; Nakamura, Shinya; and Houjo, Yasuo, to Toyota Jidosha Kabushiki Kaisha. Hydraulic pressure control device for clutch for controlling drive torque distribution in four wheel drive device. 4,858,646, 8-22-89, Cl. 137-596.160.

Kato, Noriaki: *See*—

Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.

Kato, Norihiko: *See*—

Hirama, Toshihiko; Takahashi, Hiroshi; and Kato, Norihiko, 4,861,698, Cl. 430-272.000.

Kato, Osami; and Saito, Takanori, to Minolta Camera Kabushiki Kaisha. Apparatus for feed-out of leading film end from roll film cartridge. 4,826,102, 5-2-89, Cl. 242-192.000.

Kato, Ryoki: *See*—

Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, 4,841,312, Cl. 346-160.00R.

Kato, Satoshi; and Kanasashi, Hisahito, to Brother Kogyo Kabushiki Kaisha. Cleaning apparatus. 4,886,082, 12-12-89, Cl. 134-60.000.

Kato, Satoshi: *See*—

Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,857,032, Cl. 464-68.000.

Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,876,917, Cl. 74-574.000.

Kato, Seiichi: *See*—

Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, 4,841,312, Cl. 346-160.00R.

Sasa, Sumio; Nagara, Toshio; Fukuda, Sunao; Kato, Seiichi; and Muto, Satomi, 4,809,773, Cl. 165-104.320.

Kato, Senji: *See*—

Oba, Hidehiro; and Kato, Senji, 4,886,030, Cl. 123-488.000.

Kato, Shigeru: *See*—

Uehara, Makoto; Ichikawa, Hajime; Yomoto, Masahiko; and Kato, Shigeru, 4,859,832, Cl. 219-411.000.

Yomoto, Masahiko; Uehara, Makoto; Ichikawa, Hajime; and Kato, Shigeru, 4,890,245, Cl. 364-557.000.

Kato, Shingo; Ogawa, Shunichi; Yumoto, Makoto; and Suzuki, Kazuhiro, to Ricoh Co., Ltd. Frame structure of a printer with positioning openings. 4,846,595, 7-11-89, Cl. 400-320.000.

Kato, Shingo: *See*—

Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.

Kato, Shinichi; and Inaba, Shigemitsu, to Nissan Motor Co., Ltd.; and Yazaki Corporation. Electrical connector. 4,804,341, 2-14-89, Cl. 439-733.000.

Kato, Shinichi, to Olympus Optical Co., Ltd. Video camera device with separate camera head and signal processing circuit. 4,831,444, 5-16-89, Cl. 358-160.000.

Kato, Shinichi: *See*—

Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.

Maruyama, Masanori; Oku, Kentaro; Fukushima, Masakazu; Kato, Shinichi; and Kurashige, Mitsuhiro, 4,866,337, Cl. 313-432.000.

Kato, Shinichiro: *See*—

Sakakibara, Masayuki; Munezuka, Yuzi; and Kato, Shinichiro, 4,833,156, Cl. 514-424.000.

Kato, Shinjiro: *See*—

Kato, Masayuki; Kato, Shinjiro; and Tamura, Fumio, 4,864,246, Cl. 330-129.000.

Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasaki, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; and Sato, Takeshi, 4,868,878, Cl. 381-1.000.

Kato, Shinzo: *See*—

Nakane, Shinichi; Uno, Takashi; Horii, Hiroshi; Kato, Shinzo; Namba, Mitsuo; and Uematsu, Reppei, 4,881,948, Cl. 48-192.000.

Kato, Shiro: *See*—

Kon, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hino, Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, 4,870,074, Cl. 514-233.800.

Ueda, Shigeharu; Ikuta, Kazuyoshi; Kato, Shiro; and Uchida, Tsuyoshi, 4,867,976, Cl. 424-92.000.

Kato, Shogo: *See*—

Tsurubuchi, Yasuo; and Kato, Shogo, 4,884,110, Cl. 355-319.000.

Kato, Shoji; and Tomita, Takeshi, to Jeol Ltd. Apparatus for producing and accelerating an electron beam. 4,814,716, 3-21-89, Cl. 328-233.000.

Kato, Shozo, to Tokuyama Soda Kabushiki Kaisha. Substituted aminophenyl urea derivatives. 4,803,223, 2-7-89, Cl. 514-521.000.

Kato, Shozo: *See*—

Takematsu, Tetsuo; Kato, Shozo; Ishizaki, Masahiko; and Suyama, Toshihisa, 4,802,907, Cl. 71-90.000.

Kato, Shuichiro; Kinoshita, Yoshihiro; and Kinoshita, Masao, to Nippon Aluminium Mfg. Co., Ltd., The. Heat-pipe device and heat-sink device. 4,830,100, 5-16-89, Cl. 165-104.140.

Kato, Shuzo: *See*—

Kubota, Shuji; and Kato, Shuzo, 4,805,174, Cl. 371-43.000.

Kato, Sumio, to Mitsubishi Denki Kabushiki Kaisha. Video signal processor. 4,888,642, 12-19-89, Cl. 358-160.000.

Kato, Susumu: *See*—

Yoshida, Zenichi; Kato, Susumu; and Amemiya, Yashuhiro, 4,814,532, Cl. 585-357.000.

Kato, Tadaaki: *See*—

Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.

Kato, Tadaatsu: *See*—

Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.

Kato, Tadashi, to Olympus Optical Co., Ltd. Automatic adjusted light switching circuit. 4,872,029, 10-3-89, Cl. 354-413.000.

Kato, Tadashi: *See*—

Tanikawa, Kowji; Kato, Tadashi; Kanno, Masahide; Yashima, Hiroyuki; Matsueda, Akira; Rokutan, Takao; Harada, Hisayuki; Hirosawa, Isao; and Hibino, Hiroki, 4,802,018, Cl. 358-335.000.

Kato, Takahiro; Hirochi, Katsuji; and Sugihara, Takanori, to Fujitsu Limited. Schmitt circuit for semiconductor integrated circuit. 4,806,787, 2-21-89, Cl. 307-290.000.

Kato, Takahiro, to Pioneer Electronic Corporation. Rotary head type digital signal reproducing device for controlling tape speed according to a tracking error. 4,829,387, 5-9-89, Cl. 360-32.000.

Kato, Takahito: *See*—

Kyushima, Hiroyuki; Nakamura, Kimitsugu; and Kato, Takahito, 4,881,008, Cl. 313-532.000.

Kato, Takao: *See*—

Kimura, Takashi; Kato, Takao; and Endo, Kazuo, 4,879,582, Cl. 357-23.120.

Kurokawa, Yuji; Yoshikawa, Masataka; Kato, Takao; Kikukawa, Hiroyuki; and Muto, Yukiyoshi, 4,80[illegible],280, Cl. 400-17.000.

Kato, Takashi: *See*—

Harada, Kenichi; Uchitani, Nobuki; Kamohara, Tatuyoshi; Satoya, Koichi; and Kato, Takashi, 4,819,601, Cl. 123-438.000.

Muto, Masaaki; Kato, Takashi; and Ito, Takashi, 4,826,787, Cl. 437-208.000.

Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.

Kato, Takayuki: *See*—

Sagae, Takashi; and Kato, Takayuki, 4,857,829, Cl. 324-61.00R.

Kato, Takeo; Yamamoto, Hideki; and Miyazaki, Naoki, to Toppan Printing Co., Ltd. Waterproof water-vapor-permeable laminated structure and applications of the same. 4,857,393, 8-15-89, Cl. 428-289.000.

Kato, Takeo; Kobayashi, Shingo; Takagi, Kazuo; Watanabe, Masahiro; and Kaneko, Kiyoshi, to Kabushiki Kaisha Komatsu Seisakusho. Electronically controlled automatic speed changing apparatus. 4,881,173, 11-14-89, Cl. 364-431.070.

Kato, Takeo: *See—*

Okubo, Osamu; Kato, Takeo; and Tsushima, Tetsurou, 4,874,918, Cl. 219-85.110.

Kato, Takeshi; Mizuishi, Kenichi; and Chiba, Katuaki, to Hitachi, Ltd. Optical coupling device and method of making the same. 4,812,002, 3-14-89, Cl. 350-96.180.

Kato, Takeshi; and Fujii, Tomoyuki, to Takeda Chemical Industries, Ltd. Method for producing indan derivatives. 4,835,302, 5-30-89, Cl. 560-41.000.

Kato, Takeshi: *See—*

Akao, Mutsuo; and Kato, Takeshi, 4,844,787, Cl. 204-299.00R.

Kato, Tatsuo: *See—*

Hanajima, Tadashi; and Kato, Tatsuo, 4,864,085, Cl. 200-5.00A.

Kato, Tetsuo; Abeyama, Shozo; and Saito, Makoto, to Daido Tokushuko Kabushiki Kaisha. Method for manufacturing tapered rods. 4,842,818, 6-27-89, Cl. 420-100.000.

Kato, Tetsuo; Sueyoshi, Tadahiro; Tsuji, Masanori; and Ohta, Yukio, to Yazaki Corporation. Connector. 4,867,712, 9-19-89, Cl. 439-752.000.

Kato, Tetsuro; and Tachi, Katsuichi, to Sony Corporation. Method and apparatus for recording and/or reproducing a PCM signal with asynchronous operation. 4,839,750, 6-13-89, Cl. 360-48.000.

Kato, Tetuo; Toda, Seiji; and Suzuki, Tsutomu, to Tokico Ltd. Hydraulic damper. 4,834,222, 5-30-89, Cl. 188-280.000.

Kato, Tokunori: *See—*

Sonoda, Takakuni; Tanabe, Kazunori; Iwase, Morikazu; Sangyoji, Kazuo; and Kato, Tokunori, 4,884,082, Cl. 346-105.000.

Kato, Toshiaki, to Fuji Electric Co., Ltd. Contact type image sensor. 4,855,802, 8-8-89, Cl. 357-30.000.

Kato, Toshihiro; Shindo, Masamichi; and Fukasawa, Yoshihito, to Kabushiki Kaisha Toshiba. Method and apparatus for inspecting semiconductor devices for their bonding status. 4,874,956, 10-17-89, Cl. 250-560.000.

Kato, Toshikazu; Inoue, Hiroshi; Tomagou, Satoshi; and Emura, Noriaki, to Tosoh Corporation. Preparation of poly (arylene sulfide) from dihalo aromatic hydroxyl compound. 4,868,275, 9-19-89, Cl. 528-212.000.

Kato, Toshikazu: *See—*

Inoue, Hiroshi; Kato, Toshikazu; Otsuru, Masaaki; and Emura, Noriaki, 4,820,801, Cl. 528-388.000.

Inoue, Hiroshi; Kato, Toshikazu; Tomagou, Satoshi; and Emura, Noriaki, 4,840,986, Cl. 524-436.000.

Inoue, Hiroshi; Kato, Toshikazu; and Emura, Noriaki, 4,845,190, Cl. 528-388.000.

Kato, Toshio; Uotani, Kunihiro; and Ito, Mitsuhiko, to Ricoh Company, Ltd. Cassette with turn cover and feed roller control. 4,872,659, 10-10-89, Cl. 271-9.000.

Kato, Toshiyuki: *See—*

Onodera, Kagetoshi; Koizumi, Tatsuya; Kato, Toshiyuki; Sotani, Junji; Momo, Masauki; and Furuya, Shuichi, 4,873,127, Cl. 427-376.800.

Kato, Toyoji: *See—*

Hayashi, Yoshiaki; Itakura, Takeshi; Kato, Toyoji; and Koshidaka, Yukio, 4,877,141, Cl. 215-1.00C.

Kato, Yasaburo; Suzuki, Toshihiko; Isawa, Nobuyuki; Kanbe, Hideo; and Hamasaki, Masaharu, to Sony Corporation. Production of solid-state image pick-up device with uniform distribution of dopants. 4,836,788, 6-6-89, Cl. 437-017.000.

Kato, Yasuhisa: *See—*

Higashi, Yuitiro; Nakai, Junji; Kawabuchi, Hidenori; and Kato, Yasuhisa, 4,843,214, Cl. 219-216.000.

Kato, Yasuo; Ochiai, Isao; Watanabe, Yoshio; and Murayama, Seiichi, to Hitachi, Ltd. Plasma X-ray source. 4,841,556, 6-20-89, Cl. 378-119.000.

Kato, Yasuo; Horiguchi, Kiwami; Wada, Shinji; and Kitao, Ikuo, to Tokyo Kogaku Kikai Kabushiki Kaisha. Automatic eye refractive power measuring apparatus. 4,848,895, 7-18-89, Cl. 351-211.000.

Kato, Yasuo: *See—*

Fukuma, Yasufumi; Kitao, Ikuo; and Kato, Yasuo, 4,859,051, Cl. 351-211.000.

Nakura, Yoshiyuki; and Kato, Yasuo, 4,879,144, Cl. 428-1.000.

Kato, Yasushi: *See—*

Furukawa, Hisao; Ando, Naotami; and Kato, Yasushi, 4,801,658, Cl. 525-450.000.

Yoshioka, Keiichi; Watanabe, Kenji; and Kato, Yasushi, 4,885,215, Cl. 428-632.000.

Kato, Yasuyaki: *See—*

Kakii, Toshiaki; Toda, Yuichi; Usui, Yuichi; Osanai, Mitsuaki; Kashima, Norio; and Kato, Yasuyaki, 4,830,490, Cl. 356-73.100.

Kato, Yasuyoshi; Konishi, Kunihiko; Matsuda, Toshiaki; Ito, Meiji; Kamiguchi, Taiji; Teshima, Nobue; and Akama, Hiroshi, to Babcock-Hitachi Kabushiki Kaisha. Catalyst for removing nitrogen oxide and process for producing the catalyst. 4,798,313, 1-17-89, Cl. 502-60.000.

Kato, Yasuyoshi: *See—*

Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.

Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, to Sumitomo Chemical Company, Limited. Method for the production of polymethacrylates. 4,837,286, 6-6-89, Cl. 526-217.000.

Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, to Sumitomo Chemical Company, Limited. Method for the production of polymethyl methacrylate. 4,859,750, 8-22-89, Cl. 526-135.000.

Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, to Sumitomo Chemical Company, Limited. Method for in-mold polymerization of unsaturated compound. 4,885,125, 12-5-89, Cl. 264-328.600.

Kato, Yoichi: *See—*

Hatori, Yoshinori; Kato, Yoichi; Ohta, Mutsumi; and Kosugi, Yasuhiro, 4,837,618, Cl. 358-135.000.

Kato, Yoichiro: *See—*

Murakami, Takuya; Kato, Yoichiro; and Terauchi, Kenji, 4,883,287, Cl. 280-665.000.

Kato, Yoji; Minai, Osamu; Tukamoto, Hirosi; Hagiwara, Takashi; and Kosaka, Katsuji, to Nippondenso Co., Ltd. Manually assistable electric driving device. 4,881,018, 11-14-89, Cl. 318-9.000.

Kato, Yoshiaki, to Canon Kabushiki Kaisha. Image communicating system. 4,814,890, 3-21-89, Cl. 358-280.000.

Kato, Yoshiaki; and Hihara, Toshio, to Mitsubishi Chemical Industries Limited. Diazo colors and dyeing method using the same. 4,841,029, 6-20-89, Cl. 534-634.000.

Kato, Yoshiaki, to Hitachi, Ltd. Mass spectrometer. 4,874,944, 10-17-89, Cl. 250-288.000.

Kato, Yoshiaki; Tanaka, Masashi; Tsujita, Mitsuji; Kimoto, Keizo; Nishikawa, Hirotsugu; and Kawaguchi, Mika, to Mita Industrial Co., Ltd. Organic laminated photosensitive material of positive charging type. 4,882,253, 11-21-89, Cl. 430-59.000.

Kato, Yoshiaki, to Canon Kabushiki Kaisha. Image communication apparatus. 4,885,641, 12-5-89, Cl. 358-296.000.

Kato, Yoshiaki, to Hitachi, Ltd. Atmospheric pressure ionization mass spectrometer. 4,888,482, 12-19-89, Cl. 250-281.000.

Kato, Yoshiaki: *See—*

Kaneko, Kiyoshi; and Kato, Yoshiaki, 4,854,194, Cl. 74-866.000.

Ono, Hitoshi; and Kato, Yoshiaki, 4,873,164, Cl. 430-58.000.

Oshidari, Toshikazu; Hattori, Noboru; and Kato, Yoshiaki, 4,840,261, Cl. 192-106.00F.

Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, to Murata Manufacturing Co., Ltd. Process for preparing powdered ceramic raw materials of complex oxide. 4,820,661, 4-11-89, Cl. 501-134.000.

Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, to Murata Manufacturing Co., Ltd. Process for preparing powdered ceramic raw materials of complex oxide. 4,820,669, 4-11-89, Cl. 501-134.000.

Kato, Yoshihisa: *See—*

Kojima, Fumio; Tachiiri, Yoshikazu; and Kato, Yoshihisa, 4,874,174, Cl. 285-82.000.

Kato, Yoshiki: *See—*

Ito, Yasushi; Imamura, Masaaki; Kato, Yoshiki; and Fumioka, Jun, 4,842,618, Cl. 51-293.000.

Kato, Yoshiko: *See—*

Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kato, Yoshiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshifumi, 4,822,791, Cl. 514-212.000.

Yoshinaga, Junji; Shoyaki, Takeshi; Kakita, Takao; Ozeki, Hiromi; Sugimoto, Nobuko; and Kato, Yoshiko, 4,879,295, Cl. 514-255.000.

Kato, Yoshinori; Nakanishi, Mitsuaki; Fujita, Yasushi; and Takagi, Nobuo, to Kabushiki Kaisha Togo Seisakusho. Hose clamp. 4,858,279, 8-22-89, Cl. 24-20.00R.

Kato, Yoshio: *See—*

Kitayama, Ryuichi; Komiya, Katsuo; and Kato, Yoshio, 4,830,921, Cl. 428-406.000.

Komiya, Katsuo; and Kato, Yoshio, 4,835,058, Cl. 428-405.000.

Kato, Yoshitake; and Maruyama, Hiroshi, to Hitachi Maxell, Ltd. Disc drive assembly for supporting a recording disc. 4,831,478, 5-16-89, Cl. 360-99.120.

Kato, Yoshitake, to Hitachi Maxell, Ltd. Disk cartridge with improved shutter moving mechanism. 4,839,766, 6-13-89, Cl. 360-133.000.

Kato, Yoshitake, to Hitachi Maxell, Ltd. Disk cartridge. 4,849,844, 7-18-89, Cl. 360-133.000.

Kato, Yoshitake, to Hitachi Maxell, Ltd. Improved disk cartridge including a shutter for opening and closing head entry aperture. 4,851,947, 7-25-89, Cl. 360-133.000.

Kato, Yoshitake; and Fujita, Minoru, to Hitachi Maxell, Ltd. Disk cartridge with shutter biasing device. 4,851,948, 7-25-89, Cl. 360-133.000.

Kato, Yoshitake, to Hitachi Maxell, Ltd. Recording disc assembly. 4,868,701, 9-19-89, Cl. 360-133.000.

Kato, Yoshitake, to Hitachi Maxell, Ltd. Disk cartridge with a hub having an outsert molded control ring. 4,885,653, 12-5-89, Cl. 360-133.000.

Kato, Yoshito: *See—*

Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.

Ishiguro, Yasuo; Kato, Yoshito; Takeda, Fumiaki; Koide, Minoru; Kuno, Toshitaka; and Nakano, Masaru, 4,831,316, Cl. 318-568.130.

Kato, Yuichi, to Ohi Seisakusho Co., Ltd. Door lock position sensor. 4,814,557, 3-21-89, Cl. 200-61.640.

Kato, Yuichi: *See—*

Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.

Kato, Yuji: *See—*

Hanada, Heiroku; Uesu, Yoshihiro; Matsuyama, Yohei; and Kato, Yuji, 4,801,229, Cl. 410-26.000.

Kato, Yukihiro; Okada, Hiroshi; Watanabe, Yoshifumi; Ina, Osamu; Ito, Osamu; and Yokomori, Iwao, to Nippondenso Co., Ltd. Semiconductor pressure transducer. 4,843,454, 6-27-89, Cl. 357-79.000.

Kato, Yukihiro; Ishii, Masami; Yabuno, Ryohei; and Oka, Tetsuo, to Aisin Seiki Kabushiki Kaisha. Strain gauges for the pressure sensor. 4,876,893, 10-31-89, Cl. 73-726.000.

Kato, Yukihiro: *See—*

Okada, Hiroshi; Kato, Yukihiro; Ina, Osamu; and Ikeda, Kazuhisa, 4,838,089, Cl. 73-727.000.

Kato, Yukio; Nishimura, Sadanori; and Kishizawa, Yuji, to Honda Giken Kogyo Kabushiki Kaisha. Power transmission device for a tractor. 4,831,891, 5-23-89, Cl. 74-745.000.

Kato, Yukito: *See—*

Yamamoto, Shohei; and Kato, Yukito, 4,802,107, Cl. 364-525.000.

Kato, Yutaka; Tsukamoto, Kenji; and Isoyama, Eizo, to Showa Aluminum Corporation. Process for producing hollow extrudate for use in vacuum. 4,828,937, 5-9-89, Cl. 428-654.000.

Kato, Yutaka; and Isoyama, Eizo, to Showa Aluminum Corporation. Process for preparing hollow aluminum extrudates for use in vacuum. 4,860,565, 8-29-89, Cl. 72-38.000.

Kato, Yuzo; and Kawai, Yasuo, to Canon Kabushiki Kaisha. Position detecting device using variable radiation. 4,857,742, 8-15-89, Cl. 250-491.100.

Katoh, Akihiko: *See—*

Iwasaki, Toshio; Katoh, Akihiko; Murao, Atsuhiko; Tsukada, Masakazu; Nakano, Takashi; and Nasu, Masaru, 4,822,201, Cl. 403-268.000.

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, to Olympus Optical Co., Ltd. Detachable unit electronic camera. 4,811,118, 3-7-89, Cl. 358-311.000.

Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, to Olympus Optical Co., Ltd. Detachable unit electronic camera. 4,873,580, 10-10-89, Cl. 358-335.000.

Katoh, Atsushi: *See—*

Inoue, Kazuo; Kubota, Osamu; Kishi, Noriyuki; and Katoh, Atsushi, 4,848,086, Cl. 60-602.000.

Katoh, Chieji: *See—*

Kawai, Shoichi; Konishi, Masayuki; and Katoh, Chieji, 4,884,254, Cl. 368-21.000.

Katoh Electrical Machinery Co., Ltd.: *See—*

Oka, Yasuhiko; and Satoh, Hideya, 4,809,242, Cl. 367-113.000.

Katoh, Hideo; Hamano, Hisashi; Hasegawa, Kinji; and Noumi, Yoshihiro, to Teijin Limited. Biaxially oriented polyester film. 4,818,581, 4-4-89, Cl. 428-143.000.

Katoh, Hideyuki; Tanaka, Nobutaka; Yamamoto, Takeshi; Konishi, Takeshi; and Umeda, Morio, to Mazda Motor Corporation. Method of assembling a vehicle door. 4,831,710, 5-23-89, Cl. 29-434.000.

Katoh, Hiromasa: *See—*

Kuwata, Sinichi; Katoh, Hiromasa; and Ono, Mitsumasa, 4,802,957, Cl. 204-1.00T.

Katoh, Hiroshi; Taguchi, Hiromi; and Kikunaga, Shoji, to Victor Company of Japan, Ltd. Guide drum assembly with built-in motor having floating rotor. 4,890,177, 12-26-89, Cl. 360-107.000.

Katoh, Ikuo, to TDK Corporation. Phase equalizer. 4,818,959, 4-4-89, Cl. 333-28.00R.

Katoh, Isao: *See—*

Hiraku, Akira; Minezawa, Morio; Katoh, Isao; and Itoh, Kouichi, 4,860,715, Cl. 123-519.000.

Mori, Eiji; Sonoda, Hidefumi; Hiraku, Akira; Katoh, Isao; Itoh, Kouichi; and Minezawa, Morio, 4,809,865, Cl. 220-86.00R.

Katoh, Itsuro; Taniguchi, Akihiko; and Honda, Yoshitaka, to Sharp Kabushiki Kaisha. Integrated assembly of thermostat and thermistor in fixing device of image reproduction machine. 4,821,062, 4-11-89, Cl. 355-3.0FU.

Katoh, Katsunori, to Canon Kabushiki Kaisha. Image processing system with coordination of image and recording material [illegible]. 4,814,893, 3-21-89, Cl. 358-296.000.

Katoh, Katsunori: *See—*

Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohye, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.

Katoh, Kazunobu, to Fuji Photo Film Co., Ltd. Super-high contrast negative type photographic material. 4,800,150, 1-24-89, Cl. 430-264.000.

Katoh, Kazunobu, to Fuji Photo Film Co., Ltd. Super-high contrast negative type photographic material containing hydrazine and a reductone. 4,839,258, 6-13-89, Cl. 430-264.000.

Katoh, Kazunobu: *See—*

Takagi, Yoshihiro; Okada, Hisashi; Yagihara, Morio; and Katoh, Kazunobu, 4,851,321, Cl. 430-264.000.

Katoh, Kazuyuki, to Ricoh Company, Ltd. Device for feeding originals to a copying machine. 4,885,610, 12-5-89, Cl. 355-233.000.

Katoh, Kenji; Naruoka, Takao; and Iwasaki, Eiji, to Toyota Jidosha Kabushiki Kaisha. Variable compression-ratio control device for an internal combustion engine. 4,834,031, 5-30-89, Cl. 123-48.00R.

Katoh, Kinya; and Matsuura, Toshio, to Nikon Corporation. Projection type exposing apparatus. 4,801,208, 1-31-89, Cl. 356-401.000.

Katoh, Koichi: *See—*

Suzuki, Yasumichi; Ikeda, Yoshinori; Katoh, Koichi; Ohnishi, Tetsuya; Kadowaki, Toshihiro; and Honma, Toshio, 4,873,570, Cl. 358-80.000.

Katoh, Koichiroh, to Director General of Agency of Industrial Science and Technology. Method of activating surface of shaped body formed of synthetic organic polymer. 4,853,253. 8-1-89, Cl. 427-54.100.

Katoh, Mamoru: *See—*

Okumoto, Yutaka; Arakawa, Toyomi; and Katoh, Mamoru, 4,867,734, Cl. 493-48.000.

Katoh, Masaaki; and Inoqchi, Tsukasa, to Sharp Kabushiki Kaisha. Light emitting element array. 4,847,734, 7-11-89, Cl. 362-32.000.

Katoh, Masaaki: *See—*

Inoue, Kazuo; Nagahiro, Kenichi; Ajiki, Yoshio; and Katoh, Masaaki, 4,869,214, Cl. 123-90.160.

Katoh, Masahito: *See—*

Torisaka, Yasunori; Katoh, Masahito; and Nakawawa, Yoshinori, 4,867,807, Cl. 148-11.50R.

Katoh, Masaie: *See—*

Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.

Katoh, Mitsumi, to Nippon Gakki Seizo Kabushiki Kaisha. Tone signal generator with code converter for converting stored waveshapes of different coding forms into a common coding form. 4,794,837, 1-3-89, Cl. 84-1.010.

Katoh, Noboru; Sakuma, Shuzo; Sato, Shiego; Wakayama, Sachio; and Nozaki, Hisashi, to Kabushikikaisha Kibun. Process for producing fish-paste products. 4,816,279, 3-28-89, Cl. 426-513.000.

Katoh, Osami; and Kusano, Hideaki, to Minolta Camera Kabushiki Kaisha. Image projecting system. 4,846,569, 7-11-89, Cl. 353-97.000.

Katoh, Schohichi: *See—*

Deguchi, Toshihisa; Fujii, Yoshikazu; Inui, Tetsuya; Ohta, Kenji; and Katoh, Schohichi, 4,881,216, Cl. 369-54.000.

Katoh, Seiji, to Hitachi, Ltd. Method of treating liquid wastes containing heavy metal chelate compounds. 4,802,993, 2-7-89, Cl. 210-725.000.

Katoh, Shinichi: *See—*

Kidawara, Atsushi; Nishikori, Toshiaki; Kanno, Masahide; Yabe, Hisao; Katoh, Shinichi; Ikuno, Yuji; and Nakamura, Takeaki, 4,862,258, Cl. 358-98.000.

Katoh, Shinya, to Fujitsu Limited. Dry development method for a resist film and an apparatus therefor. 4,806,456, 2-21-89, Cl. 430-296.000.

Katoh, Shunji: *See—*

Enoki, Shigekazu; Sawayama, Noboru; Katoh, Shunji; and Kimura, Noriyuki, 4,885,223, Cl. 430-122.000.

Katoh, Taisei: *See—*

Ohya, Nobuyuki; Saburi, Toshiki; Yamazaki, Toru; and Katoh, Taisei, 4,829,030, Cl. 501-134.000.

Saburi, Toshiki; Ohya, Nobuyuki; Yamazaki, Toru; and Katoh, Taisei, 4,824,812, Cl. 501-134.000.

Saburi, Toshiki; Ohya, Nobuyuki; Yamazaki, Toru; and Katoh, Taisei, 4,840,926, Cl. 501-134.000.

Katoh, Takayuki; Hosoi, Yuichi; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Phosphor. 4,871,474, 10-3-89, Cl. 252-301.40H.

Katoh, Takayuki: *See—*

Mori, Nobufumi; Katoh, Takayuki; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,810,886, Cl. 250-311.000.

Mori, Nobufumi; Katoh, Takayuki; Oikawa, Tetsuo; Harada, Yoshiyasu; and Miyahara, Junji, 4,873,440, Cl. 250-327.200.

Katoh, Takeshi: *See—*

Kawauchi, Masataka; Sato, Mitsuyoshi; Innami, Tamio; and Katoh, Takeshi, 4,820,909, Cl. 235-379.000.

Katoh, Teruo: *See—*

Sasaki, Masayoshi; and Katoh, Teruo, 4,814,292, Cl. 437-101.000.

Katoh, Tohru: *See—*

Wakatsuki, Junya; Katoh, Tohru; Matsunaga, Akira; and Kurosaki, Tomihiro, 4,845,239, Cl. 549-219.000.

Katoh, Tokunori: *See—*

Akao, Michitoshi; Sakakibara, Kenji; Katoh, Tokunori; and Sawaki, Yukichi, 4,868,602, Cl. 355-27.000.

Katoh, Toshio: *See—*

Mita, Ryuichi; Oura, Takeshi; Higuchi, Chojiro; Katoh, Toshio; and Yamaguchi, Akihiro, 4,801,732, Cl. 560-40.000.

Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanamitsu, Yuzuru; and Inoue, Satoru, to Sumitomo Chemical Company, Ltd. Pyridinyl-s-triazine derivatives. 4,868,178, 9-19-89, Cl. 514-241.000.

Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanemitsu, Yuzuru; and Inoue, Satoru, to Sumitomo Chemical Co., Ltd. Pyridinylpyrimidines having fungicidal activity. 4,873,248, 10-10-89, Cl. 514-269.000.

Katoh, Yasuyuki: *See—*

Takagi, Mitiro; Katoh, Yasuyuki; and Yamazaki, Tomatsu, 4,855,497, Cl. 564-182.000.

Katoh, Yoshihisa; Ogawa, Takashi; and Hasegawa, Mitsumasa, to Toshiba Ceramics Co., Ltd. Electric discharge machine using a ceramic filter to filter the working fluid. 4,839,488, 6-13-89, Cl. 219-69.180.

Katoh, Yoshihisa; Ogawa, Takashi; Nagao, Yukihiko; and Hasegawa, Mitsumasa, to Toshiba Ceramics Co., Ltd. Process and apparatus for separating solid-liquid compositions. 4,863,617, 9-5-89, Cl. 210-788.000.

Katoh, You; Ogino, Takehiko; and Totsuka, Naoko, to Kyowa Hakko Kogyo Co., Ltd. Premix. 4,849,239, 7-18-89, Cl. 426-549.000.

Katohno, Noboru: *See—*

Shibata, Yoshihiro; Katohno, Noboru; and Yokota, Hajime, 4,809,115, Cl. 360-137.000.

Katoku, Takashi; and Tanaka, Masato, to Sony Corporation. Magnetic tape cassette. 4,858,848, 8-22-89, Cl. 242-198.000.

Katori, Shigetatsu; and Maehashi, Yukio, to NEC Corporation. Microprocessor compatible with any software represented by different types of instruction formats. 4,839,797, 6-13-89, Cl. 364-200.000.

Katori, Shigetatsu: *See—*
- Nasu, Masaki; Katori, Shigetatsu; Maehashi, Yukio; and Yoshizawa, Kazutoshi, 4,847,867, Cl. 375-36.000.

Katori, Takashi: *See—*
- Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.

Katori, Tatsuhiko: *See—*
- Hasegawa, Hiroshi; Shioiri, Noriaki; Narita, Tadashi; and Katori, Tatsuhiko, 4,876,359, Cl. 548-533.000.
- Sato, Susumu; Honda, Haruyoshi; Koumoto, Teruo; Isomae, Kuzuo, Kuraishi, Tadayuki; and Katori, Tatsuhiko, 4,866,176, Cl. 544-262.000.
- Shibata, Akihiro; Matsuda, Hideaki; Kohya, Hidehiko; and Katori, Tatsuhiko, 4,814,436, Cl. 536-17.100.
- Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.

Katou, Akio: *See—*
- Hashimoto, Masahide; Kurisu, Yoshitaka; Suenaga, Hiroshi; and Katou, Akio, 4,807,448, Cl. 62-376.000.

Katou, Hitoshi: *See—*
- Takahashi, Takehiko; Katou, Hitoshi; and Kaneko, Tomihiro, 4,846,521, Cl. 296-77.100.

Katou, Kouki: *See—*
- Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, Tatsuo; Kobayashi, Tatsunobu; and Katou, Kouki, 4,817,410, Cl. 72-199.000.

Katou, Masanori: *See—*
- Kato, Masahiko; Katou, Masanori; Kuwakado, Satosi; Tanaka, Katsuyuki; and Ito, Koji, 4,805,733, Cl. 181-206.000.

Katou, Mituo: *See—*
- Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.

Katou, Seiji: *See—*
- Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.

Katou, Shinichi: *See—*
- Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.

Katou, Susumu: *See—*
- Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,816,063, Cl. 71-90.000.
- Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,885,023, Cl. 71-90.000.

Katre, Nandini: *See—*
- Shadle, Paula J.; Koths, Kirston E.; Moreland, Margaret; and Katre, Nandini, 4,847,325, Cl. 525-54.100.

Katritzksy, Alan R.; Swinson, Joel; Sakizadeh, Kumars; Rasmussen, Jerald K.; Krepski, Larry R.; and Heilmann, Steven M., to Minnesota Mining and Manufacturing Company. Poly(amido methyl-benzazole). 4,816,554, 3-28-89, Cl. 528-210.000.

Katritzky, Alan R.; Krepski, Larry R.; Rasmussen, Jerald K.; Heilmann, Steven M.; and Tarr, Richard D., to Minnesota Mining and Manufacturing Company. Polypyridinium. 4,841,021, 6-20-89, Cl. 528-407.000.

Katscher, Peter: *See—*
- Michel, Eberhard; Scholz, Manfred; Berndt, Wolfgang; and Katscher, Peter, 4,801,425, Cl. 376-461.000.

Katsenes, Philip B. Quick detachable gun sling swivel. 4,841,658, 6-27-89, Cl. 42-85.000.

Katsu, Masanori; and Makino, Mikio, to NGK Insulators, Ltd. Rotary regenerative heat exchanging ceramic body. 4,856,577, 8-15-89, Cl. 165-8.000.

Katsu, Shin; Nambu, Shutaro; and Shimano, Akio, to Matsushita Electric Industrial Co., Ltd. MESFET latch circuit. 4,883,985, 11-28-89, Cl. 307-279.000.

Katsube, Kozo: *See—*
- Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,800,744, Cl. 72-342.000.
- Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,801,106, Cl. 242-159.000.

Katsube, Ryojiro: *See—*
- Fujiwara, Haruyoshi; and Katsube, Ryojiro, 4,832,832, Cl. 209-273.000.

Katsube, Shinji, to Tsubakimoto Chain Co. Device for connecting a wheel-like body to a shaft. 4,824,281, 4-25-89, Cl. 403-369.000.

Katsube, Toshimichi: *See—*
- Kamigaki, Koshi; and Katsube, Toshimichi, 4,808,990, Cl. 340-784.000.

Katsuda, Satoshi; and Torii, Shumpeita, to Fuji Photo Film Co., Ltd. Stacker for stimulable phosphor sheets. 4,814,619, 3-21-89, Cl. 250-327.200.

Katsuga, Ohnishi: *See—*
- Endoh, Satoru; and Katsuga, Ohnishi, 4,845,313, Cl. 174-68.500.

Katsuhiko, Kobayashi; Takashi, Shioiri; and Hideo, Tago, to Tokyo Kogaku Kikai Kabushiki Kaisha. Automatic perimeter. 4,804,262, 2-14-89, Cl. 351-226.000.

Katsuhiko Watanabe Holdings Ltd.: *See—*
- Adachi, Takayuki; and Nakano, Nobuo, 4,806,172, Cl. 134-34.000.

Katsuie, Masahiro; Abe, Michiyuki; Kawahara, Katsuyuki; and Nakamura, Taizo, to Tokyo Electric Power Co. Inc., The; and Kabushiki Kaisha Toshiba. Control system of pumping operation using AC exciting generator-motor. 4,856,965, 8-15-89, Cl. 417-19.000.

Katsukawa, Hiroyuki: *See—*
- Shinoda, Katsuro; Kawaguchi, Toshiyuki; Katsukawa, Hiroyuki; and Tanaka, Naoki, 4,833,726, Cl. 455-89.000.

Katsukawa Micarome Industrial Co. Ltd.: *See—*
- Takada, Koji; Miyata, Masaya; and Tamura, Isojiro, 4,859,291, Cl. 204-49.000.

Katsukawa, Satoshi, to Brother Kogyo Kabushiki Kaisha. Multi-speed cooling fan for printing device. 4,842,431, 6-27-89, Cl. 400-719.000.

Katsuki, Hikaru; Minakawa, Katsumasa; and Shimizu, Masayuki, to Sanyo Electric Co., Ltd. Method and apparatus of automatically switching between cooling and heating modes of an air conditioner. 4,841,738, 6-27-89, Cl. 62-160.000.

Katsuki, Hisaaki: *See—*
- Sakamoto, Shunji; Okamizu, Shigeo; Ota, Yuji; and Katsuki, Hisaaki, 4,880,072, Cl. 180-140.000.

Katsuki, Kazuo: *See—*
- Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Nishi, Hisami; and Katsuki, Kazuo, 4,809,344, Cl. 382-32.000.
- Peppers, Norman A.; Young, James R.; Nishi, Hisami; Ueno, Hiroshi; and Katsuki, Kazuo, 4,827,529, Cl. 382-9.000.
- Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Tanaka, Shuhei, 4,845,766, Cl. 382-32.000.
- Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Katsuki, Kazuo, 4,862,511, Cl. 382-32.000.
- Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Katsuki, Kazuo, 4,862,511, Cl. 382-32.000.

Katsuki, Koretoshi: *See—*
- Kumasaka, Sadao; and Katsuki, Koretoshi, 4,810,298, Cl. 106-284.400.

Katsuma, Makoto: *See—*
- Sato, Yuichi; Tsunekawa, Tokuichi; Hiramatsu, Akira; Katsuma, Makoto; Yamada, Shigeki; and Kobayashi, Takeshi, 4,833,544, Cl. 358-287.000.

Katsumata, Azusa; and Satomura, Shigeyuki, to Sony Corporation. Apparatus for reproducing a digital signal. 4,876,616, 10-24-89, Cl. 360-53.000.

Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirabata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, to Hitachi, Ltd. Sequential scanning converter with frame comb filter and freeze frame feature. 4,853,765, 8-1-89, Cl. 358-11.000.

Katsumata, Kenji: *See—*
- Achiha, Masahiko; Ishikura, Kazuo; Saito, Shobu; Sugiyama, Masato; and Katsumata, Kenji, 4,811,092, Cl. 358-105.000.

Katsumata, Makoto: *See—*
- Kondo, Hiroki; Saito, Hiroaki; Katsumata, Makoto; and Kinoshita, Michitaka, 4,812,138, Cl. 439-865.000.

Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, to Kabushiki Kaisha Kobe Seiko Sho. Low alloy steels for use in pressure vessel. 4,855,106, 8-8-89, Cl. 420-109.000.

Katsumata, Masao: *See—*
- Sato, Naoki; Kamo, Yoshihisa; Takeura, Tooru; Katsumata, Masao; and Momata, Kazuhiro, 4,802,043, Cl. 360-113.000.

Katsumata, Minoru; Yanagawa, Hisaharu; Ohta, Kousaku; Inao, Kasuzou; and Ichinowatari, Koh, to Furukawa Electric Co. Ltd., The; and Pioneer Electronic Corporation. Polling communication method. 4,868,816, 9-19-89, Cl. 370-95.200.

Katsumata, Ryoichi: *See—*
- Ozaki, Akio; Katsumata, Ryoichi; and Oka, Tetsuo, 4,874,698, Cl. 435-108.000.

Katsumata, Takashi: *See—*
- Hamma, Noritaka; Saito, Yoshikazu; Nishizawa, Toshio; and Katsumata, Takashi, 4,853,378, Cl. 514-167.000.

Katsumata, Toshimitsu: *See—*
- Tonooka, Takashi; and Katsumata, Toshimitsu, 4,859,191, Cl. 439-79.000.

Katsumata, Yukio: *See—*
- Miike, Akira; Katsumata, Yukio; and Tatano, Toshio, 4,877,727, Cl. 435-24.000.

Katsumi, Ikuo: *See—*
- Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.

Katsumi, Suzuki, to Seiko Instruments Inc. Method for repairing a pattern film. 4,849,642, 7-18-89, Cl. 250-492.200.

Katsumoto, Hiroshi: *See—*
- Kakishita, Masahiro; and Katsumoto, Hiroshi, 4,829,463, Cl. 364-724.190.

Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi; Gotoh, Tetsuya; and Horiguchi, Shiro, to Kabushiki Kaisha Kobe Seiko Sho. Electrolytic-abrasive polishing method of aluminum surface. 4,839,005, 6-13-89, Cl. 204-129.460

Katsumoto, Takehiko; and Kikuchi, Kunio, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Pump. 4,798,517, 1-17-89, Cl. 415-131.000.

Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Engine cooling device. 4,813,408, 3-21-89, Cl. 123-196.0AB.

Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Intake port device. 4,850,317, 7-25-89, Cl. 123-306.000.

Katsumura, Nobuo, to Konishiroku Photo Industry Co., Ltd. Automatic camera focusing apparatus with movable position sensitive detector. 4,829,171, 5-9-89, Cl. 250-201.000.

Katsumura, Norimichi: *See—*
- Takamura, Yoshinobu; Katsumura, Norimichi; Osawa, Nebuhiko; and Watanabe, Kazuo, 4,882,546, Cl. 329-310.000.

Katsuna, Yuuji: *See—*
- Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.

Katsuno, Toshiyasu: *See—*
- Nagai, Toshinari; Masui, Takatoshi; and Katsuno, Toshiyasu, 4,819,427, Cl. 60-274.000.
- Nagai, Toshinari; Masui, Takatoshi; Satou, Yasushi; and Katsuno, Toshiyasu, 4,831,838, Cl. 60-274.000.

Katsuno, Yoshiaki: *See—*
- Kubo, Mutsuo; and Katsuno, Yoshiaki, 4,838,712, Cl. 384-523.000.

Katsuo, Kenichi: *See—*
- Arimatsu, Yoshikazu; Tani, Katsuya; Mitamura, Hideyuki; Saito, Minoru; Kaji, Atsushi; and Katsuo, Kenichi, 4,824,929, Cl. 528-205.000.

Katsuo, Suzuki, to Aisin Seiki Kabushiki Kaisha; and Kabushiki Kaisha Shinsangyokaihatsu. Mobile station antenna attitude control apparatus. 4,873,526, 10-10-89, Cl. 342-359.000.

Katsura, Joji; Yamaguchi, Seiji; Tsuji, Kazuhiko; and Ichinohe, Eisuke, to Matsushita Electric Industrial Co., Ltd. Method for measuring a characteristic of semiconductor memory device. 4,820,974, 4-11-89, Cl. 324-73.00R.

Katsura, Koyo; Maejima, Hideo; and Kajiwara, Hisashi, to Hitachi, Ltd.; and Hitachi Engineering Co., Ltd. Graphic pattern processing apparatus. 4,862,150, 8-29-89, Cl. 340-703.000.

Katsura Roller Mfg. Co., Ltd.: *See—*
- Yasukawa, Akio, 4,838,046, Cl. 66-202.000.

Katsura, Shinichi: *See—*
- Ueno, Ryuzo; Katsura, Shinichi; Uchiyama, Yoshirou; and Inoue, Satomi, 4,855,482, Cl. 560-56.000.

Katsura, Tatsuo; Maeda, Hideatsu; Sakai, Tsukasa; and Tsuda, Keishiro, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Photosensor having photosensitive part formed of purple membrane. 4,804,834, 2-14-89, Cl. 250-211.00R.

Katsura, Yoshiaki: *See—*
- Murakami, Koji; Nakatsubo, Fumiaki; Katsura, Yoshiaki; and Matukura, Motoo, 4,889,927, Cl. 536-18.600.

Katsura, Yoshihiko: *See—*
- Shimizu, Horoshi; Katsura, Yoshihiko; Sakamoto, Hidenori; and Kawatoko, Tsurayuki, 4,866,702, Cl. 370-60.000.

Katsura, Yuji: *See—*
- Sato, Nobuhiro; Ueno, Haruyuki; Katsura, Yuji; and Hamamatu, Takashi, 4,832,888, Cl. 264-63.000.

Katsurada, Morihiro, to Sharp Kabushiki Kaisha. Method of a system for analyzing characters. 4,811,412, 3-7-89, Cl. 382-9.000.

Katsurada, Morihiro: *See—*
- Tanka, Hideaki; Katsurada, Morihiro; and Konya, Minehiro, 4,860,376, Cl. 382-57.000.

Katsuragawa, Mitsuhiro: *See—*
- Suzuki, Nobuyuki; Shimizu, Masao; and Katsuragawa, Mitsuhiro, 4,833,358, Cl. 310-316.000.

Katsuragawa, Shigehiko: *See—*
- Doi, Kunio; and Katsuragawa, Shigehiko, 4,839,807, Cl. 364-413.130.
- Doi, Kunio; and Katsuragawa, Shigehiko, 4,851,984, Cl. 364-413.230.

Katsuragawa, Yasuji: *See—*
- Baba, Toshio; Matsushita, Hajime; and Katsuragawa, Yasuji, 4,839,120, Cl. 264-102.000.

Katsuragi, Hifumi; Fujio, Yoshihiko; and Ogita, Kazuyoshi, to Daifuku Co., Ltd. Roller conveyor. 4,815,588, 3-28-89, Cl. 198-781.000.

Katsuragi, Kenjiro; Kobayashi, Katsuhiko; and Torii, Yoshitaka, to Tokyo Kogaku Kikai Kabushiki Kaisha. Noncontact type tonometer. 4,817,620, 4-4-89, Cl. 128-648.000.

Katsuragi, Shigeo: *See—*
- Morishita, Masataka; Aikawa, Renji; Katsuragi, Shigeo; Yamamoto, Yoshiaki; and Sugimoto, Kenichi, 4,873,087, Cl. 424-433.000.
- Sagai, Hitoshi; Takahara, Masayasu; Katsuragi, Shigeo; Kajiwara, Junboku; and Masujima, Harumi, 4,818,698, Cl. 435-189.000.

Katsuragi, Toshiya: *See—*
- Taniguchi, Itaru; and Katsuragi, Toshiya, 4,847,184, Cl. 430-346.000.

Katsuragi, Yoshio; and Ohta, Hatsuo, to Mitsubishi Denki Kabushiki Kaisha. Control device for heating deep-sea electric motor oil. 4,808,896, 2-28-89, Cl. 318-436.000.

Katsuta, Atsushi: *See—*
- Hishinuma, Toshio; Katsuta, Atsushi; and Tajima, Takeharu, 4,812,932, Cl. 360-97.010.

Katsuta, Hiroshi, to NEC Corporation. Display control apparatus with improved attribute function. 4,849,748, 7-18-89, Cl. 340-735.000.

Katsuta, Masanori; and Yamaguchi, Tsutomu, to Kabushiki Kaisha Kawai Gakki Seisakusho. Action mechanism for a keyboard of an electronic piano. 4,856,407, 8-15-89, Cl. 84-439.000.

Katsuta, Michitaka: *See—*
- Wakihira, Koichiro; Katsuta, Michitaka; Hino, Masayasu; and Sasayama, Toshio, 4,878,788, Cl. 408-230.000.

Katsuta, Shigeki: *See—*
- Teshima, Shinichi; Katsuta, Shigeki; Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, 4,842,369, Cl. 350-96.340.

Katsuta, Shinichiro: *See—*
- Kamijo, Masayasu; Katsuta, Shinichiro; and Wada, Takeo, 4,806,206, Cl. 162-145.000.

Katsuta, Yuji; Kita, Sumio; Takano, Sakuharu; and Kamada, Hiroshi, to Sharp Kabushiki Kaisha. Information record/retrieval device. 4,797,946, 1-10-89, Cl. 382-61.000.

Katsuta, Yuji; Kita, Sumio; and Takano, Sakuharu, to Sharp Kabushiki Kaisha. Apparatus for cataloging and retrieving image data. 4,829,453, 5-9-89, Cl. 364-521.000.

Katsuta, Yuji; and Kamata, Hiroshi, to Sharp Kabushiki Kaisha. Image signal binary encoder. 4,853,792, 8-1-89, Cl. 358-455.000.

Katsutani, Kazuzi: *See—*
- Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,836,323, Cl. 180-270.000.
- Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,844,507, Cl. 280-802.000.

Katsuto, Fujita: *See—*
- Tsuyoshi, Nagata; Katsuto, Fujita; and Shinji, Okuda, 4,843,874, Cl. 73-150.00R.
- Tsuyoshi, Nagata; and Katsuto, Fujita, 4,881,289, Cl. 15-168.000.

Katsuumi, Kazushige: *See—*
- Ogawa, Minoru; Sakamoto, Koichiro; Tamura, Toshiyuki; and Katsuumi, Kazushige, 4,827,146, Cl. 250-578.000.

Katsuura, Yasuhiro: *See—*
- Okamoto, Shosuke; Okada, Yoshio; Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro; Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.

Katsuyama, Harumi: *See—*
- Amano, Yoshikazu; Kageyama, Shigeki; and Katsuyama, Harumi, 4,889,797, Cl. 435-4.000.
- Terashima, Kaoru; Miyazako, Takushi; and Katsuyama, Harumi, 4,839,278, Cl. 435-21.000.

Katsuyama, Hitoshi, to Pioneer Electronic Corporation. Noise eliminating apparatus of a video signal utilizing a recursive filter having spatial low pass and high pass filters. 4,860,104, 8-22-89, Cl. 358-167.000.

Katsuyama, Kazuo; Ohhashi, Yutaka; and Fukuta, Kenji, to Trinity Industrial Corporation; and Toyota Jidosha Kabushiki Kaisha. Coating material supply device. 4,844,706, 7-4-89, Cl. 417-339.000.

Katsuyama, Koji: *See—*
- Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, 4,879,632, Cl. 361-386.000.

Katsuyama, Makoto: *See—*
- Ando, Hisashige; Katsuyama, Makoto; and Sakuraba, Takahiro, 4,888,584, Cl. 340-747.000.

Katsuyama, Mikizo: *See—*
- Ishida, Akira; and Katsuyama, Mikizo, 4,870,504, Cl. 358-489.000.
- Wakimoto, Zenji; Nagata, Shinichi; and Katsuyama, Mikizo, 4,852,957, Cl. 350-6.600.

Katsuyama, Toshio; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Semiconductor device with high speed signal transmission arrangement utilizing light. 4,838,633, 6-13-89, Cl. 350-96.110.

Katsuyama, Toshio; Matsumura, Hiroyoshi; Inoue, Hiroaki; Fukuzawa, Tadashi; and Chinone, Naoki, to Hitachi, Ltd. Optical modulating device utilizing polariton substance. 4,861,130, 8-29-89, Cl. 350-96.140.

Katsuyama, Toshio: *See—*
- Inoue, Hiroaki; Sakano, Shinji; Nakamura, Hitoshi; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,887,877, Cl. 350-96.110.
- Komatsubara, Kiichi; Tanuma, Seiichi; Okabe, Katsuya; and Katsuyama, Toshio, 4,887,273, Cl. 372-41.000.
- Matsumura, Hiroyoshi; Katsuyama, Toshio; and Suganuma, Tsuneo, 4,828,592, Cl. 65-3.110.
- Nakamura, Hitoshi; Sakano, Shinji; Inoue, Hiroaki; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,840,446, Cl. 350-96.130.
- Sakano, Shinji; Inoue, Hiroaki; Matsumura, Hiroyoshi; Nakamura, Hitoshi; Katsuyama, Toshio; and Chinone, Naoki, 4,813,757, Cl. 350-96.140.

Katsuyama, Tsutomu; Yoshida, Isao; Kanai, Toyoo; and Taguchi, Yasunobu, to Oki Electric Industry Co., Ltd. Output power control circuit for a mobile radio apparatus. 4,870,698, 9-26-89, Cl. 455-67.000.

Katsuyama, Yoshiaki: *See—*
- Wada, Toshiaki; Katsuyama, Yoshiaki; and Nakaoka, Junichi, 4,808,455, Cl. 428-64.000.
- Wada, Toshiaki; Katsuyama, Yoshiaki; Furukawa, Mitsuhiko; Kitahira, Takashi; Miyahara, Michito; Misumi, Kiyohito; and Shiroyama, Masaharu, 4,859,638, Cl. 501-58.000.
- Wada, Toshiaki; Katsuyama, Yoshiaki; and Nakaoka, Junichi, 4,875,987, Cl. 204-192.150.

Katsuyuki, Tanaka: *See—*
- Naoyuki, Oie; Hiromichi, Koyama; Katsuyuki, Tanaka; and Shinichi, Matsumoto, 4,827,154, Cl. 307-116.000.

- Katsuzawa, Yukio; and Masuya, Michi, to Fanuc Ltd. Structure of journal bearing for motor operating at high revolutionary speeds. 4,844,625, 7-4-89, Cl. 384-473.000.
- Kattamis, Theodoulos: *See*—
  - Cornie, James A.; Kattamis, Theodoulos; Chambers, Brent V.; Bond, Bruce E.; and Varela, Raul H., 4,853,182, Cl. 420-129.000.
- Kattenberg, Robert L. Fish hook structure. 4,862,632, 9-5-89, Cl. 43-43.160.
- Kattner, Max E.: *See*—
  - Funderburg, Robert R., Jr.; Kattner, Max E.; Milberger, Lionel J.; and Slaughter, Louis D., 4,817,724, Cl. 166-337.000.
- Katto, Hisao; Sugiura, June; Horino, Nozomi; Endo, Akira; Takeuchi, Yoshiharu; and Arakawa, Yuji, to Hitachi, Ltd. Method of making a semiconductor memory device. 4,830,977, 5-16-89, Cl. 437-52.000.
- Katto, Hisao: *See*—
  - Okuyama, Kousuke; Uchida, Ken; Kusuyama, Kouichi; Meguro, Satoshi; Katto, Hisao; and Komori, Kazuhiro, 4,818,716, Cl. 437-49.000.
- Katto, Takayuki: *See*—
  - Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, 4,820,759, Cl. 524-413.000.
  - Ichikawa, Yukio; Kaneko, Takashi; Satake, Yoshikatsu; and Katto, Takayuki, 4,837,294, Cl. 528-388.000.
  - Ichikawa, Yukio; and Katto, Takayuki, 4,859,734, Cl. 524-447.000.
  - Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, 4,868,240, Cl. 524-609.000.
  - Iizuka, Yo; Iwasaki, Takao; Katto, Takayuki; and Shiiki, Zenya, 4,812,539, Cl. 526-62.000.
  - Iwasaki, Takao; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,814,430, Cl. 528-388.000.
  - Kobayashi, Akio Kouyama, Toshitaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,801,416, Cl. 264-177.100.
  - Kouyama, Toshitaka; Katto, Takayuki; Iwasaki, Takao; Iizuka, Yo; and Shiiki, Zenya, 4,863,669, Cl. 264-532.000.
  - Satake, Yoshikatsu; Kashiwadate, Ken; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,826,906, Cl. 524-381.000.
  - Satake, Yoshikatsu; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,873,283, C'. 524-520.000.
  - Satake, Yoshikatsu; Kaneko, Takashi; Kobayashi, Yutaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,886,871, Cl. 528-226.000.
  - Shiiki, Zenya; Katto, Takayuki; Iizuka, Yo; Iwasaki, Takao; and Kouyama, Toshitaka, 4,795,671, Cl. 428-209.000.
- Katumata, Hidetosi: *See*—
  - Maezawa, Hiruyuki; Katumata, Hidetosi; and Tomioka, Mikio, 4,872,167, Cl. 371-19.000.
- Katumata, Shoji; and Kondo, Shunichi, to Aisan Kogyo Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Fuel supply system for gaseous fuel operated vehicle and regulator therefor. 4,811,720, 3-14-89, Cl. 123-527.000.
- Katurada, Morihiro: *See*—
  - Tanaka, Hideaki; Katurada, Morihiro; and Konya, Minehiro, 4,847,912, Cl. 382-9.000.
- Katuragawa, Tadao: *See*—
  - Ohta, Wasaburo; Katuragawa, Tadao; and Kinoshita, Mikio, 4,854,265, Cl. 118-723.000.
- Katurayama, Junichi: *See*—
  - Iwata, Yoichi; Tanaka, Nubuo; and Katurayama, Junichi, 4,807,294, Cl. 381-190.000.
- Katus, Hugo: *See*—
  - Hallermayer, Klaus; Looser, Siegfrid; and Katus, Hugo, 4,879,216, Cl. 435-7.000.
- Katyal, Anil: *See*—
  - Campbell, John S.; Baker, Brian N.; and Katyal, Anil, 4,840,774, Cl. 423-79.000.
- Katz, Alan H.; and Demerson, Christopher A., to American Home Products. Substituted-8-alkenyl-1,3,4,9-tetrahydropyrano-[3,4-b]indole-1-acetic acids. 4,822,781, 4-18-89, Cl. 514-161.000.
- Katz, Alan H.; Demerson, Christopher A.; and Humber, Leslie G., to American Home Products Corporation. Production of substituted 1,3,4,9-tetrahydropyrano(3,4-B)indole-1-acetic acids. 4,826,994, 5-2-89, Cl. 548-342.000.
- Katz, Alan H.; and Demerson, Christopher A., to American Home Products Corporation. Substituted-8-alkenyl-1,3,4,9-tetrahydropyrano(3,4-b)indole-1-acetic acids. 4,855,445, 8-8-89, Cl. 548-432.000.
- Katz, Alan H.: *See*—
  - McKittrick, Brian A.; and Katz, Alan H., 4,886,886, Cl. 548-432.000.
- Katz, Albert A. Landfill compaction. 4,838,733, 6-13-89, Cl. 405-129.000.
- Katz, Allen, to General Electric Company. Linearizer control system. 4,882,547, 11-21-89, Cl. 330-149.000.
- Katz, Carlos; Dima, Attila; and Bier, Bruce, to Cable Technology Laboratories, Inc. Electrical cable joint and electrical cable termination and methods of making same. 4,822,952, 4-18-89, Cl. 174-73.100.
- Katz, Carlos; and Dima, Attila, to Cable Technology Laboratories, Inc. Apparatus and method for manufacturing heat-shrinkable sleeve using solid core. 4,863,541, 9-5-89, Cl. 156-158.000.
- Katz, Danny. Tire traction system. 4,834,158, 5-30-89, Cl. 152-213.00R.
- Katz, Danny. Tennis training ball and method of use thereof. 4,867,450, 9-19-89, Cl. 273-29.00A.
- Katz, Danny. Vehicular back-up lamp alarm device. 4,885,567, 12-5-89, Cl. 340-463.000.
- Katz, David H., to Lidak Biopharmaceuticals. Inflammatory disease treatment. 4,874,794, 10-17-89, Cl. 514-724.000.
- Katz, Egon; Bossenmaier, Alban; and Barmbilla, Luigi, to Daimler-Benz Aktiengesellschaft. Impact protection device for the occupants of motor vehicles with a filter to clean the driving gas. 4,840,397, 6-20-89, Cl. 280-739.000.
- Katz, Elena: *See*—
  - Scott, Raymond P. W.; and Katz, Elena, 4,873,862, Cl. 73-23.100.
- Katz, Frances R.: *See*—
  - Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., 4,798,735, Cl. 426-578.000.
  - Friedman, Robert B.; Gottneid, David J.; Faron, Eugene J.; Pustek, Frank J.; and Katz, Frances R., 4,801,470, Cl. 426-578.000.
- Katz, Friedrich J.; and Abbratozzato, Salvatore R., to Black & Decker Inc. Power-operated device with a cooling facility. 4,847,513, 7-11-89, Cl. 307-149.000.
- Katz, George, to North American Philips Corporation. Sealed shafts moveable in vacuum chambers by exercising control from outside. 4,811,958, 3-14-89, Cl. 277-12.000.
- Katz, George; and Nalesnik, Theodore, to North American Philip Corporation. Sealed universal movement of a shaft extending between environments. 4,834,394, 5-30-89, Cl. 277-12.000.
- Katz, Howard E.: *See*—
  - Dirk, Carl W.; Katz, Howard E.; Lalama, Salvatore J.; Singer, Kenneth D.; and Sohn, John E., 4,859,876, Cl. 307-425.000.
- Katz, Howard S., to Robern, Inc. Bath cabinet and hinge therefor 4,867,511, 9-19-89, Cl. 312-227.000.
- Katz, Ira; and Cooper, James R., to Maxwell Laboratories, Inc. Electrical insulator for use in plasma environment. 4,835,341, 5-30-89, Cl. 174-142.000.
- Katz, Ira; Withycombe, Donald A., deceased (by Withycombe, Jane L., executrix); and Hanna, Marie R., to International Flavors & Fragrances Inc. Repelling animals with compositions comprising citronellyl nitrile, citronellol, alpha-terpinyl methyl ether and lemon oil. 4,847,292, 7-11-89, Cl. 514-526.000.
- Katz, Ira; and Withycombe, Donald A., to International Flavors & Fragrances Inc. Repelling animals with compositions comprising citronellyl nitrile, citronellol and, optionally methyl terpenyl ether, lemon oil, caryophyllene, isopulegol, isopulegyl acetate and quinine or one or more of its salts. 4,853,413, 8-1-89, Cl. 514-526.000.
- Katz, Ira: *See*—
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,801,446, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Whithycombe, Donald Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,801,448, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,808,403, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,816,248, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,818,526, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,859,463, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,876,087, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,880,625, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald A. Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R. 4,886,662, Cl. 424-84.000.
- Katz, James E. Call holding alert system. 4,834,551, 5-30-89, Cl. 379-68.000.
- Katz, Jeffrey: *See*—
  - Leiman, Basil C.; Butler, Bruce D.; Katz, Jeffrey; and Sal[illegible] Henry H., 4,879,999, Cl. 128-207.140.
- Katz, Joseph, to California Institute of Technology. Method for generation of tunable far infrared radiation from two-dimensional plasmons 4,874,953, 10-17-89, Cl. 250-493.100.
- Katz, Judd A.: *See*—
  - Patterson, Patrick E.; and Katz, Judd A., 4,808,187, Cl. 623-25.000
- Katz, Lawrence E., to Olin Corporation. Process for producing polyurethane polyacetal elastomers and the product so produced 4,808,689, 2-28-89, Cl. 528-48.000.
- Katz, Lawrence E.: *See*—
  - Pennington, B. Timothy; and Katz, Lawrence E., 4,885,412, Cl. 568-469.900.
- Katz, Leon; and Hollenberg, David H., to James River Corporation Superabsorbent coated fibers and method for their preparation 4,888,238, 12-19-89, Cl. 428-378.000.
- Katz, Leon: *See*—
  - Allan, John L.; Boettcher, Jeffery J.; Gaylord, Norman G.; and Katz, Leon, 4,873,273, Cl. 523-407.000.
  - Hollenberg, David H.; and Katz, Leon, 4,865,921, Cl. 428-401.000
- Katz, Leonard; Tuan, James; and McAlpine, James B., to Abbott Laboratories. Cloning vectors for streptomyces and use thereof in macrolide antibiotic production. 4,874,748, 10-17-89, Cl. 514-29.000

- Katz, Marcella M. Stabilized sheet materials for use with computer-directed printers and method of stabilizing same for computer printers. 4,810,006, 3-7-89, Cl. 281-5.000.
- Katz, Martin: *See*—
  - Leong, Helen; Katz, Martin; Delk, Anne; Berliner, David; and Nacht, Sergio, 4,806,360, Cl. 424-487.000.
  - Leong, Helen; Katz, Martin; Delk, Ann; Nacht, Sergio; and Berliner, David, 4,855,144, Cl. 424-487.000.
- Katz, Moshe: *See*—
  - Haruvy, Yair; Katz, Moshe; and Horowitz, Abraham A., 4,872,220, Cl. 2-243.00A.
- Katz, Neil A.: *See*—
  - Ovies, Hernando; Katz, Neil A.; Farrell, Robert H.; and Baker, Ernest D., 4,825,357, Cl. 364-200.000.
- Katz, Otto, to A.W. Faber-Castell Unternehmensverwaltung GmbH & Co. Device for dispensing flowable substances. 4,838,722, 6-13-89, Cl. 401-101.000.
- Katz, Peter: *See*—
  - Taylor, Homer L.; and Katz, Peter, 4,836,626, Cl. 312-257.0SM.
- Katz, Richard, to Mine Safety Appliances Company. Exhalation valve. 4,838,262, 6-13-89, Cl. 128-205.240.
- Katz, Richard. Recreational device for physically disabled children. 4,865,312, 9-12-89, Cl. 272-56.50R.
- Katz, Richard D.: *See*—
  - Traversino, Michael A.; and Katz, Richard D., 4,814,548, Cl. 174-115.000.
- Katz, Richard S., Jr.: *See*—
  - Stern, Jon L.; Katz, Richard S., Jr.; and Hippely, Keith A., 4,795,211, Cl. 297-194.000.
- Katz, Robert: *See*—
  - Dallaire, Michel; and Katz, Robert, 4,887,835, Cl. 280-646.000.
- Katz, Ronald A.; and Goldman, Robert N., to Light Signatures, Inc. Merchandise verification and information system. 4,816,824, 3-28-89, Cl. 340-825.340.
- Katz, Ronald A., to FDR Interactive Technologies. Telephonic-interface statistical analysis system. 4,845,739, 7-4-89, Cl. 379-92.000.
- Katz, Saul N., to General Foods Corporation. Method for decaffeinating coffee with a supercritical fluid. 4,820,537, 4-11-89, Cl. 426-481.000.
- Katz, Seymour: *See*—
  - Dighe, Shyam V.; Buczkowski, Bradley A.; Peck, Walter J.; Katz, Seymour; and Provis, William H., 4,828,607, Cl. 75-10.220.
- Katz, Sidney. Pneumatic release mandrel. 4,794,858, 1-3-89, Cl. 101-375.000.
- Katz, Sigmund, to American Thermocraft Corp. High strength feldspathic dental porcelains containing crystalline leucite. 4,798,536, 1-17-89, Cl. 433-212.100.
- Katz, Slava M., to International Business Machines Corporation. Apparatus and method for estimating, from sparse data, the probability that a particular one of a set of events is the next event in a string of events. 4,831,550, 5-16-89, Cl. 364-513.500.
- Katz, Solomon H.: *See*—
  - Widdoes, Harold D.; Katz, Solomon H.; and Cronk, Christine E., 4,883,066, Cl. 128-774.000.
- Katz, Yeshayahu: *See*—
  - Greunwald, Theodor; and Katz, Yeshayahu, 4,821,710, Cl. 128-207.140.
- Katzenberger, Heiner: *See*—
  - Felix, Bernd; Frohlich, Walter; and Katzenberger, Heiner, 4,851,597, Cl. 570-227.000.
- Katzenellenbogen, John: *See*—
  - Jacobs, Martin J.; and Katzenellenbogen, John, 4,851,402, Cl. 514-182.000.
- Katzenschwanz, Norbert, to Karl Mengele & Sohne GmbH & Co. Mechanical inventory storage and delivery cabinet. 4,801,236, 1-31-89, Cl. 414-416.000.
- Katzenstein, Henry S., to Brooktree Corporation. Apparatus for converting data between analog and digital values. 4,857,929, 8-15-89, Cl. 341-148.000.
- Katzenstein, Henry S.: *See*—
  - Dandliker, Walter B.; Barr, Howard S.; Katzenstein, Henry S.; and Watson, Keith R., 4,877,965, Cl. 250-458.100.
- Katzin, Gerald H., to Ideation Enterprises, Inc. Injection site device having a safety shield. 4,878,897, 11-7-89, Cl. 604-86.000.
- Katzin, Leonard: *See*—
  - Brook, Arthur H.; Carian, Peter J.; Katzin, Leonard; Landsinger, Edmund E.; Moore, James D.; Rotter, Leah D.; and Schreiber, Stanley, 4,875,469, Cl. 128-26.000.
- Katzman, Abe. Display container. 4,852,796, 8-1-89, Cl. 229-125.280.
- Katzman, Howard A.: *See*—
  - Kao, Wei H.; Katzman, Howard A.; and Slater, Eric M., 4,837,053, Cl. 427-214.000.
- Katzman, James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., to Tandem Computers Incorporated. Interprocessor communication. 4,807,116, 2-21-89, Cl. 364-200.000.
- Katzmar., James A.; Bartlett, Joel F.; Bixler, Richard M.; Davidow, William H.; Despotakis, John A.; Graziano, Peter J.; Green, Michael D.; Greig, David A.; Hayashi, Steven J.; Mackie, David R.; McEvoy, Dennis L.; Treybig, James G.; and Wierenga, Steven W., to Tandem Computers Incorporated. Fault-tolerant multiprocessor system. 4,817,091, 3-28-89, Cl. 371-9.000.
- Katzmann, Harald, to Wekzeugmaschinenfabrik Oerlikon-Buhrle AG. Sabot projectile containing a projectile core and a sabot jacket. 4,854,242, 8-8-89, Cl. 102-522.000.
- Katzmann, Jerry A.: *See*—
  - Evans, Elizabeth L.; Gonchoroff, Nick J.; Greipp, Philip R.; Houck, David W.; Katzmann, Jerry A.; Kyle, Robert A.; and Loken, Michael R., 4,885,237, Cl. 435-6.000.
- Katznelson, Ron D.: *See*—
  - Walker, Gordon K.; Katznelson, Ron D.; Moroney, Paul; and Moerder, Karl E., 4,809,274, Cl. 371-37.000.
- Katzor, Karl A.: *See*—
  - Jaafar, Hamedo A.; Katzor, Karl A.; Rethage, Wilbert B.; Pompa, Gerard A.; Dailey, George F.; and Guenther, Paul, 4,889,000, Cl. 73-865.800.
- Katzschner, Werner: *See*—
  - Helms, Dirk; Katzschner, Werner; Pawlakowitsch, Anton; and Anderle, Friedrich, 4,869,801, Cl. 204-298.000.
- Kau, Chuan F. Direction fixture for decorative lamp series. 4,802,072, 1-31-89, Cl. 362-238.000.
- Kau, Jee I.: *See*—
  - Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,797,187, Cl. 204-180.200.
  - Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,839,203, Cl. 427-244.000.
- Kaubek, Fritz: *See*—
  - Maier-Laxhuber, Peter; and Kaubek, Fritz, 4,802,341, Cl. 62-235.100.
- Kaucic, Edward M.; and Morris, John E., to Graber Industries, Inc. Torque responsive motor-drive assembly. 4,827,199, 5-2-89, Cl. 318-491.000.
- Kauer, Hubert, to Ladney, Michael. Method and system for making a hollow-shaped body from molten resin by injection molding. 4,830,812, 5-16-89, Cl. 264-572.000.
- Kaufeler, Max, to Intecser S.A. Device to maintain separate until the moment of use and then to mix two different substances within a container, particularly two-component resins. 4,808,006, 2-28-89, Cl. 366-332.000.
- Kaufer, Laszlo: *See*—
  - Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko ; Czako, Klara; Diesler, Eszter, Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
- Kauffman, John C.; and Westenfeld, Richard A., to Phelps Dodge Industries, Inc. Method for manufacturing ribbon cable and transposed cable. 4,888,071, 12-19-89, Cl. 156-50.000.
- Kauffman, Thomas F.; and Puletti, Paul P., to National Starch and Chemical Corporation. Recyclable hot melt adhesive compositions. 4,822,653, 4-18-89, Cl. 428-34.200.
- Kauffman, Thomas F.: *See*—
  - Brady, Francis X.; and Kauffman, Thomas F., 4,816,306, Cl. 428-36.920.
  - Brady, Francis X.; and Kauffman, Thomas F., 4,874,804, Cl. 524-100.000.
- Kauffman, William. Valve assembly particularly usable with a coffee brewing basket. 4,798,222, 1-17-89, Cl. 137-132.000.
- Kaufhold, Manfred, to Huels Aktiengesellschaft. Process for the production of 13-oxabicyclo(10.3.0)pentadecane and process for the production of intermediates. 4,851,552, 7-25-89, Cl. 549-462.000.
- Kaufhold, Wolfgang, to Siemens Aktiengesellschaft. Method and arrangement for controlling a high voltage d-c transmission system. 4,884,181, 11-28-89, Cl. 363-35.000.
- Kaufman, Alexander A., to Oil Logging Research, Inc. Conductivity determination in a formation having a cased well. 4,796,186, 1-3-89, Cl. 364-422.000.
- Kaufman, Arnold: *See*—
  - Campbell, Patricia S.; Enscore, David J.; Gale, Robert M.; and Kaufman, Arnold, 4,832,953, Cl. 424-448.000.
- Kaufman, Arthur; and Terry, Peter L., to Engelhard Corporation. Film bonded fuel cell interface configuration. 4,826,716, 5-2-89, Cl. 428-139.000.
- Kaufman, Benjamin J.: *See*—
  - Sung, Rodney L.; and Kaufman, Benjamin J., 4,857,661, Cl. 562-502.000.
- Kaufman, Charles W.; Kempf, Mark F.; and Hutchison, Jerry D., to Digital Equipment Corporation. Method and apparatus for nodes in network to avoid shrinkage of an interframe gap. 4,878,219, 10-31-89, Cl. 370-97.000.
- Kaufman, Frank B.: *See*—
  - Moore, James A.; Dasheff, Andrew N.; and Kaufman, Frank B., 4,877,718, Cl. 430-326.000.
  - Moore, James A.; Dasheff, Andrew N.; and Kaufman, Frank B., 4,886,734, Cl. 430-270.000.
- Kaufman, George; and Usen, Norman, to Church & Dwight Co., Inc. Cat litter tray. 4,813,376, 3-21-89, Cl. 119-1.000.
- Kaufman, Harold R.; and Robinson, Raymond S. End-Hall ion source. 4,862,032, 8-29-89, Cl. 313-359.100.
- Kaufman, Harold R.; and Robinson, Raymond S. Ion source with particular grid assembly. 4,873,467, 10-10-89, Cl. 313-360.100.
- Kaufman, Herbert E.; Knight, Patricia M.; and Buchen, Shelley, to Allergan, Inc. Lens storage system. 4,860,885, 8-29-89, Cl. 206-5.100.
- Kaufman, Herbert E. Drug delivery system. 4,865,846, 9-12-89, Cl. 424-428.000.

Kaufman, Herbert E. Drug delivery system. 4,882,150, 11-21-89, Cl. 424-428.000.

Kaufman, Jack W. Delaminable reservoir for scrubbing implements. 4,830,674, 5-16-89, Cl. 134-16.000.

Kaufman, Jack W. Surgical retractor. 4,889,107, 12-26-89, Cl. 128-20.000.

Kaufman, Jack W.: *See—*

Blake, Joseph W.; and Di Cesare, Paul C., 4,805,876, Cl. 254-28.000.

Blake, Joseph W., III; and Kaufman, Jack W., 4,863,424, Cl. 604-54.000.

Brown, James B.; and Kaufman, Jack W., 4,812,067, Cl. 401-132.000.

Kaufman, Joel D.: *See—*

Stockebrand, Thomas C.; Kaufman, Joel D.; and Vicery, Earle R., III, 4,851,834, Cl. 340-801.000.

Kaufman, Kevin W. Paper roll cover and process for manufacture. 4,860,893, 8-29-89, Cl. 200-390.000.

Kaufman, Kevin W. Grain probe. 4,866,997, 9-19-89, Cl. 73-864.630.

Kaufman, Lance R. Direct current sense lead. 4,818,895, 4-4-89, Cl. 307-303.100.

Kaufman, Lance R. Isolated package for multiple semiconductor power components. 4,819,042, 4-4-89, Cl. 357-80.000.

Kaufman, Lance R. Direct bond circuit assembly with crimped lead frame. 4,831,723, 5-23-89, Cl. 29-827.000.

Kaufman, Lance R. Heat sink apparatus with electrically insulative intermediate conduit portion for coolant flow. 4,860,164, 8-22-89, Cl. 361-388.000.

Kaufman, Lance R. Direct bond circuit assembly with ground plane. 4,879,633, 11-7-89, Cl. 361-386.000.

Kaufman, Lawrence G.: *See—*

Moran, Lyle E.; and Kaufman, Lawrence G., 4,873,275, Cl. 524-64.000.

Kaufman, Leon, to University of California, The Regents of the. MRI system with open access to patient image volume. 4,829,252, 5-9-89, Cl. 324-309.000.

Kaufman, Leon; and Bragg, Chris, to University of California, The Regents of the. Enhanced S/N MRI for short TR nutation sequences. 4,851,778, 7-25-89, Cl. 324-309.000.

Kaufman, Leon; Arakawa, Mitsuaki; McCarten, Barry M.; Fehn, John H.; and Krasnor, Stephen, to University of California, The Regents of the. Switchable MRI RF coil array with individual coils having different and overlapping fields of view. 4,881,034, 11-14-89, Cl. 324-318.000.

Kaufman, Leon: *See—*

Yao, Ching; Hale, James D.; Crooks, Lawrence E.; and Kaufman, Leon, 4,885,542, Cl. 324-313.000.

Kaufman, M. Gene: *See—*

Van Auken, John A.; and Kaufman, M. Gene, 4,859,986, Cl. 340-323.00R.

Kaufman, Marvin L.: *See—*

Geary, Denise M.; Pettit, Paul H., Jr.; Kaufman, Marvin L.; and Vicha, Susan K., 4,801,680, Cl. 528-272.000.

Kaufman, Rex A.: *See—*

Schoeff, Terry G.; and Kaufman, Rex A., 4,878,481, Cl. 126-307.00R.

Kaufman, Richard; and Wesolowski, Alex, to Hoffmann-La Roche Inc. Two reagent system for the colorimetric determination of chloride ions in body fluids. 4,800,168, 1-24-89, Cl. 436-124.000.

Kaufman, Richard A.; Rosenfeld, Henry J.; and Zaunczkowski, Denise, to Hoffmann-La Roche Inc. Method and reagent for the quantitative determination of phosphorous in serum and urine. 4,826,773, 5-2-89, Cl. 436-105.000.

Kaufman, Roland H.: *See—*

Qureshi, Javaid I.; Kaufman, Roland H.; Anderson, Michael E.; and Spahr, William L., 4,814,236, Cl. 428-678.000.

Kaufman, Sidney L.: *See—*

Klashka, John A.; Kaufman, Sidney L.; Kowal, Krzysztof A.; Lewis, Richard P.; Raisbeck, Susan L.; and McNamara, John L., Jr., 4,803,623, Cl. 364-200.000.

Kaufman, Stephen B.; Patterson, Robert; Bacehowski, David V.; Bilstad, Arnold C.; and Huehls, Patrick N., to Baxter International Inc. Fluid delivery system with integrally formed sample cell. 4,820,297, 4-11-89, Cl. 604-409.000.

Kaufman, Stephen B.; and Robson, Dale L., to Baxter International Inc. Fluid transfer apparatus. 4,842,028, 6-27-89, Cl. 141-114.000.

Kaufman, Stephen B.: *See—*

Bacehowski, David V.; Bilstad, Arnold C.; Huehls, Patrick N.; Kaufman, Stephen B.; and Miripol, Jeffrey E., 4,846,005, Cl. 73-864.810.

Kaufman, Theodore P.: *See—*

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Kaufman, Thomas P.: *See—*

Simmons, Robert W.; Stamper, Richard W.; and Kaufman, Thomas P., 4,885,887, Cl. 52-410.000.

Kaufman, William M.; and Guzman, Alberto, to Carnegie-Mellon University. Thermal sensor for detection of railroad bearing failures. 4,812,826, 3-14-89, Cl. 340-682.000.

Kaufmann, Dan: *See—*

Axelsson, Carl L.; Brunner, Mikael; Kaufmann, Dan; and Torsell, Krister, 4,834,791, Cl. 75-26.000.

Kaufmann, Dieter: *See—*

Enderle, Eckhard; Kaufmann, Dieter; Muller, Helmut; and Andrzejewski, Thomas, 4,888,877, Cl. 33-559.000.

Hausselt, Juergen; Schittny, Stephan-U.; and Kaufmann, Dieter, 4,803,046, Cl. 420-83.000.

Kaufmann, Edward J.; and Sudbury, Barry A., to Clorox Company, The. Borate solution soluble polyvinyl alcohol films. 4,828,744, 5-9-89, Cl. 252-90.000.

Kaufmann, Edward J.: *See—*

Smith, William L.; Kaufmann, Edward J.; and Sudbury, Barry A., 4,801,636, Cl. 524-236.000.

Yang, Chihae; and Kaufmann, Edward J., 4,885,105, Cl. 252-90.000.

Kaufmann, John W.; Swidwa, Kenneth J.; and Hornak, Leonard P., to Westinghouse Electric Corp. Refueling of nuclear reactor. 4,832,902, 5-23-89, Cl. 376-268.000.

Kaufmann, Karl E., to Mannesmann AG. Support for a gripper. 4,863,206, 9-5-89, Cl. 294-86.400.

Kaufmann, Karl-Ernst, to Mannesmann AG. Three dimensional movement of a robot manipulator. 4,836,111, 6-6-89, Cl. 104-89.000.

Kaufmann, Klaus-Dieter. Process for feeding gas stored in a cavern storage facility into a consumer network, and a layout for implementing such a process. 4,858,640, 8-22-89, Cl. 137-236.100.

Kaufmann, Meinolph; Kloti, Karl; Nehring, Jurgen; and Schad, Hanspeter, to BBC Brown Boveri AG. Optoelectronic displacement sensor with correction filter. 4,812,635, 3-14-89, Cl. 250-231.00R.

Kaufmann, Meinolph: *See—*

Heimgartner, Dieter; Kaufmann, Meinolph; and Schad, Hanspeter, 4,864,522, Cl. 364-575.000.

Kaufmann, Reinhard: *See—*

Arfsten, Nanning; Kaufmann, Reinhard; and Schubert, Doris, 4,849,252, Cl. 427-108.000.

Kaukeinen, Joseph Y., to Eastman Kodak Company. In-depth electrode light valve array devices and improved fabrication method therefor. 4,802,741, 2-7-89, Cl. 350-392.000.

Kaukeinen, Joseph Y., to Eastman Kodak Company. Method for fabricating PLZT light valve device. 4,815,381, 3-28-89, Cl. 430-319.000.

Kaukeinen, Joseph Y.; and Tyo, Eileen M., to Eastman Kodak Company. Method of making a fiber optic array. 4,880,494, 11-14-89, Cl. 156-633.000.

Kaukeinen, Joseph Y.: *See—*

Hsu, Kevin; Rao, Srinivas T.; and Kaukeinen, Joseph Y., 4,875,969, Cl. 156-633.000.

Kaul, Bansi L., to Sandoz Ltd. 1-(dichloro-4'-sulfamoyl or substituted sulfamoyl-phenyazo)-2-hydroxy-3-phenylcarbamoyl or substituted phenylcarbamoyl-naphthalenes. 4,879,373, 11-7-89, Cl. 534-864.000.

Kaul, Bansi L.: *See—*

Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., 4,838,943, Cl. 106-400.000.

Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., 4,866,113, Cl. 524-87.000.

Kaul, Karlheinz: *See—*

Bock, Hans-Christian; and Kaul, Karlheinz, 4,866,752, Cl. 378-197.000.

Kaul, Ravindernath: *See—*

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Kaulen, Johannes; Arlt, Dieter; Holmwood, Graham; and Kramer, Wolfgang, to Bayer Aktiengesellschaft. Process for the preparation of optically active 2-hydroxyethylazole derivatives. 4,855,438, 8-8-89, Cl. 548-262.000.

Kaulig, Robert; and Wheeler, James D., to Echlin Inc. Vehicle master brake cylinder assembly bleeding device. 4,800,725, 1-31-89, Cl. 60-584.000.

Kaulins, Edward: *See—*

Wuthrich, Paul; and Kaulins, Edward, 4,800,545, Cl. 368-190.000.

Kaumeyer, Jean M. Hangable compartmented bag. 4,859,084, 8-22-89, Cl. 383-39.000.

Kaun, Thomas D.; and Nelson, Paul A., to Arch Development Corporation. Molten salt electrolyte battery cell with overcharge tolerance. 4,851,306, 7-25-89, Cl. 429-112.000.

Kaune, Manfred: *See—*

Sanden, Ulrich-Christian; and Kaune, Manfred, 4,803,887, Cl. 73-863.010.

Kauphusman, James V.; and Neilson, Bruce H., to GV Medical Inc. Laser catheter adjustable control apparatus. 4,846,171, 7-11-89, Cl. 128-303.100.

Kaupmann, Wilhelm: *See—*

Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuehl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., 4,803,198, Cl. 514-212.000.

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Kaurich, Michael S.; and Rishel, Paul E., to General Motors Corporation. Seat belt extender. 4,796,915, 1-10-89, Cl. 280-802.000.

Kaus, Juergen: *See—*

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Kaus, Malcolm J.: *See—*

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Borowski, Horst; Kausch, Erwin; Rittershaus, Erhard; Radojcic, Gert; and Schneider, Werner, 4,874,004, Cl. 131-364.000.

Kausch, James R., to Munck Automation Technology, Inc. Automatic guided vehicle safety system. 4,802,548, 2-7-89, Cl. 180-274.000.

Kausch, Michael; Buysch, Hans-Josef; Schroer, Hans; and Suling, Carlhans, to Bayer Aktiengesellschaft. Elasthane fibers stabilized against environmental influences. 4,877,825, 10-31-89, Cl. 524-101.000.

Kausch, William L., to Minnesota Mining and Manufacturing Company. Breathable, waterproof sheet materials and methods for making the same. 4,833,026, 5-23-89, Cl. 428-315.500.

Kaushik, Pushpendar K.: *See—*

Singh, Vir B.; Moorthy, Kanniah N. G. K.; Kaushik, Pushpendar K.; and Sankarasub-Ramanian, Hariharan, 4,875,900, Cl. 8-94.270.

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Chriswell, Colin D.; Kaushik, Surender M.; Shah, Navin D.; and Markuszewski, Richard, 4,859,212, Cl. 44-622.000.

Kauss, Wolfgang; and Schulte, Heinz, to Mannesmann Rexroth GmbH. Control switching arrangement for a hydraulic power lift. 4,835,966, 6-6-89, Cl. 60-376.000.

Kauss, Wolfgang, to Mannesmann Rexroth GmbH. Method for controlling an attachment to agricultural tractors. 4,878,543, 11-7-89, Cl. 172-2.000.

Kaussen, Manfred; Stockhausen, Dolf; Hartan, Hans-Georg; and Landscheidt, Alfons, to Chemische Fabrik Stockhausen GmbH. Retanning process. 4,813,968, 3-21-89, Cl. 8-94.230.

Kaustrater, Gert: *See—*

Schiele, August; and Kaustrater, Gert, 4,823,675, Cl. 89-46.000.

Kauth, Hans-Herbert; and Itzel, Hanshelmut, to Celamerck GmbH & Co. KG. Insecticidal compositions. 4,796,381, 1-10-89, Cl. 43-124.000.

Kautman, Frank W.: *See—*

Smith, Louise; and Kautman, Frank W., 4,854,761, Cl. 401-196.000.

Smith, Louise; and Kautman, Frank W., 4,884,913, Cl. 401-196.000.

Kautt & Bux KG: *See—*

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Kautt, Jean-Jacques, to Ferco International. Covering element for multilock fitting fastened to a door, window or the like. 4,875,727, 10-24-89, Cl. 292-337.000.

Kautto, Jorma, to Imatran Voima Oy. Procedure and means for drying moving web material. 4,882,852, 11-28-89, Cl. 34-41.000.

Kautz, Allan D.; and Wichmann, Janice L., to Zenith Electronics Corporation. Rail mapping method and apparatus. 4,834,686, 5-30-89, Cl. 445-30.000.

Kautz, Rudolf: *See—*

Breitscheidel, Hans-Ulrich; Kautz, Rudolf; and Sandermann, Karl-Heinz, 4,882,208, Cl. 428-17.000.

Kavanagh, Martin, to Rank Brimar Limited. Mounting for shadow mask in color cathode ray tubes. 4,804,880, 2-14-89, Cl. 313-404.000.

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Kaven,.Allen H., to Inco Limited. Self-adjusting bit basket. 4,862,959, 9-5-89, Cl. 166-77.500.

Kavesh, Sheldon; Prevorsek, Dusan C.; and Harpell, Gary A., to Allied-Signal Inc. Heat shrunk fabrics provided from ultra-high tenacity and modulus fibers and methods for producing same. 4,819,458, 4-11-89, Cl. 66-202.000.

Kavesh, Sheldon; Prevorsek, Dusan C.; and Harpell, Gary A., to Allied-Signal Inc. Method for preparing heat set fabrics. 4,876,774, 10-31-89, Cl. 28-166.000.

Kavesh, Sheldon: *See—*

Kwon, Young D.; Kavesh, Sheldon; and Prevorsek, Dusan C., 4,883,628, Cl. 264-178.00F.

Kavieff, Shelden M., to Jervis B. Webb Company. Article handling apparatus for the storage and delivery of plural types of articles. 4,883,401, 11-28-89, Cl. 414-273.000.

Kawaai, Toshimasa: *See—*

Shigehara, Hiroshi; and Kawaai, Toshimasa, 4,864,304, Cl. 341-143.000.

Yamaguchi, Akira; and Kawaai, Toshimasa, 4,803,461, Cl. 341-154.000.

Kawabara, Tadashi: *See—*

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Kawabata, Akira; Terasaki, Yoshikazu; Inoue, Takashi; and Takita, Hidenori, to Mitsubishi Denki Kabushiki Kaisha. Deflection yoke for a color cathode ray tube. 4,876,479, 10-24-89, Cl. 313-440.000.

Kawabata, Curt M.: *See—*

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Kawabata, Hidetoshi: *See—*

Yuge, Shizuo; Matsushita, Kouji; and Kawabata, Hidetoshi, 4,887,130, Cl. 355-251.000.

Kawabata, Hiroaki, to Nuclear Services Company. Container for plate-like objects. 4,822,555, 4-18-89, Cl. 376-272.000.

Kawabata, Itaru: *See—*

Tsujimoto, Yoshiharu; Kinashi, Hiroshi; Yui, Yuhi; Noguchi, Teruhiko; and Kawabata, Itaru, 4,827,306, Cl. 355-3.0CH.

Kawabata, Katsuhiko: *See—*

Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,813,324, Cl. 83-848.000.

Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,827,822, Cl. 83-835.000.

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Takaya, Takao; Tozuka, Zenzaburo; Yasuda, Nobuyoshi; and Kawabata, Kohji, 4,871,730, Cl. 514-206.000.

Kawabata, Kouji: *See—*

Ishimoto, Kenji; and Kawabata, Kouji, 4,840,557, Cl. 425-555.000.

Kawabata, Masami; Harada, Masahiko; and Takimoto, Yasuyuki, to Nippon Paint Co., Ltd. Photopolymerizable composition. 4,868,092, 9-19-89, Cl. 430-781.000.

Kawabata, Misao; and Kobayashi, Tetsuro, to Bridgestone Corporation. Pneumatic radial tire. 4,796,683, 1-10-89, Cl. 152-209.00R.

Kawabata, Mitsuru: *See—*

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Kawabata, Satoshi: *See—*

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Kawabata, Susumu; Inoue, Tetsuzo; and Niimi, Hiroshi, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Spinning unit in open-end spinning machine. 4,879,873, 11-14-89, Cl. 57-413.000.

Kawabata, Takao; Miyashita, Takeshi; and Yamamoto, Yushin, to Mitsubishi Denki Kabushiki Kaisha. Controller for instantaneous output current and/or voltage of 3-phase converter. 4,823,251, 4-18-89, Cl. 363-95.000.

Kawabata, Takashi: *See—*

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Sakai, Shinji; Kawabata, Takashi; and Miyamoto, Ryosuke, 4,812,727, Cl. 318-696.000.

Kawabata, Takeo; and Taisha, Akira, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Organic complexes of a cation of a heterocyclic nitrogen compound and an anion of a 2,5-disubstituted-7,7,8,8-tetracyanoquinodiethmane. 4,801,713, 1-31-89, Cl. 546-151.000.

Kawabata, Takeo; Miyashita, Masahiko; and Taisha, Akira, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Organic mixed complex. 4,889,934, 12-26-89, Cl. 546-151.000.

Kawabata, Tomoyuki, to Yamaha Corporation. Circuit for detecting defects of a magnetic recording head. 4,862,078, 8-29-89, Cl. 324-212.000.

Kawabata, Toshio: *See—*

Tomono, Kunisaburo; Mandai, Harufumi; Kawabata, Toshio; Sakamoto, Yukio; Tsunematsu, Toyoaki; and Kaneko, Toshimi, 4,803,453, Cl. 336-183.000.

Kawabata, Yasuhiro; and Hara, Soichi, to Aisin Seiki Kabushiki Kaisha. Manufacturing method of a piston for an internal combustion engine. 4,870,733, 10-3-89, Cl. 29-156.50R.

Kawabata, Yasujiro; Sekiguchi, Tatsuo; Tanaka, Motoo; Nakamura, Takayoshi; Matsumoto, Mutsuyoshi; and Manda, Eiichiro, to Director-General of Agency of Industrial Science and Technology. Method of forming built-up film of J-aggregated organic dye. 4,830,874, 5-16-89, Cl. 427-47.000.

Kawabata, Yoshifumi: *See—*

Yamanaga, Junichi; Gunji, Keiichiro; Narita, Yousuke; Nagasawa, Toshiaki; and Kawabata, Yoshifumi, 4,794,690, Cl. 29-709.000.

Kawabe, Hiroshi: *See—*

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Kawabe, Kenji; Watanabe, Kazuhiro; Namiki, Fumihiro; Iida, Atsuo; and Shimura, Takaki, to Fujitsu Limited. Ultrasonic transducer and method for fabricating thereof. 4,825,115, 4-25-89, Cl. 310-327.000.

Kawabe, Kuniyasu: *See—*

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Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Shingo; and Kawabe, Kuniyasu, 4,863,824, Cl. 430-109.000.

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Kawabe, Ryuhei: *See—*

Aoyama, Goro; Kawabe, Ryuhei; Ikeda, Takashi; and Goto, Tadashi, 4,869,647, Cl. 415-50.000.

Kawabe, Shigehisa, to Nec Corporation. Noise eliminating apparatus for key signal. 4,811,104, 3-7-89, Cl. 358-183.000.

Kawabe, Shigehisa, to NEC Corporation. Special effect system for video signal. 4,831,445, 5-16-89, Cl. 358-160.000.

Kawabe, Shun: *See—*

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- Kawabe, Takeshi: *See—*
  - Iida, Takeaki; and Kawabe, Takeshi, 4,812,220, Cl. 204-403.000.
  - Johna, Nobuo; Ishikawa, Tsutomu; Kawabe, Takeshi; and Nakamura, Masayoshi, 4,825,444, Cl. 372-41.000.
- Kawabe, Taketoshi; and Ito, Ken, to Nissan Motor Co., Ltd. Vehicle steer angle control system based on mathematical model. 4,840,389, 6-20-89, Cl. 280-91.000.
- Kawabe, Taketoshi: *See—*
  - Ito, Ken; and Kawabe, Taketoshi, 4,830,127, Cl. 180-79.100.
  - Ito, Ken; and Kawabe, Taketoshi, 4,872,116, Cl. 364-424.050.
- Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ueshimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eikichi; Harasda, Masakatsu; Aoki, Masahiro; and Kimura, Toru, to Toyo Aluminium Kabushiki Kaisha. Aluminium pigment composition. 4,869,754, 9-26-89, Cl. 106-404.000.
- Kawabe, Tsuyoshi: *See—*
  - Sakurahara, Kazuo; Kinugasa, Junji; and Kawabe, Tsuyoshi, 4,846,116, Cl. 123-41.740.
- Kawabe, Ushio: *See—*
  - Harada, Yutaka; Goto, Eiichi; Kawabe, Ushio; Miyamoto, Nobuo; Nakane, Hideaki; and Hatano, Mutsuko, 4,866,373, Cl. 324-127.000.
  - Harada, Yutaka; Yano, Shinichiro; Miyake, Mutsuko; Kawabe, Ushio; and Nishino, Toshikazu, 4,888,629, Cl. 357-5.000.
  - Nishino, Toshikazu; Kawabe, Ushio; and Kominami, Shinya, 4,843,446, Cl. 357-30.000.
  - Nishino, Toshikazu; Miyake, Mutsuko; Kawabe, Ushio; Harada, Yutaka; Aoki, Masaaki; and Hirano, Mikio, 4,884,111, Cl. 357-05.000.
- Kawabe, Yasumasa; Uenishi, Kazuya; and Kokubo, Tadayoshi, to Fuji Photo Film Co., Ltd. Positive-working o-quinone diazide photoresist composition. 4,863,828, 9-5-89, Cl. 430-191.000.
- Kawabe, Yasumasa: *See—*
  - Uenishi, Kazuya; Kokubo, Tadayoshi; and Kawabe, Yasumasa, 4,871,645, Cl. 430-192.000.
- Kawabe, Yoichiro: *See—*
  - Ichikawa, Kenji; Nomura, Osamu; Kawabe, Yoichiro; and Yanagawa, Koyo, 4,842,647, Cl. 106-38.200.
- Kawabe, Yoshitaka: *See—*
  - Nagatsuka, Yoshitaka; Saito, Masaki; and Kawabe, Yoshitaka, 4,885,465, Cl. 250-310.000.
- Kawabe, Yuzo, to Shimano Industrial Company Limited. Spinning reel. 4,824,045, 4-25-89, Cl. 242-219.000.
- Kawaberi, Seiji: *See—*
  - Watanabe, Junzo; and Kawaberi, Seiji, 4,868,464, Cl. 315-371.000.
- Kawabuchi, Hidenori: *See—*
  - Higashi, Yuitiro; Nakai, Junji; Kawabuchi, Hidenori; and Kato, Yasuhisa, 4,843,214, Cl. 219-216.000.
- Kawabuchi, Masami: *See—*
  - Nakamura, Yasuhiro; and Kawabuchi, Masami, 4,848,355, Cl. 128-661.070.
  - Nakamura, Yasuhiro; and Kawabuchi, Masami, 4,848,356, Cl. 128-661.070.
- Kawabuchi, Yoichi: *See—*
  - Nagata, Kenzo; and Kawabuchi, Yoichi, 4,868,609, Cl. 355-316.000.
- Kawachi, Jun: *See—*
  - Kadoya, Norio; Kawachi, Jun; and Miyazawa, Keiji, 4,841,296, Cl. 340-870.160.
- Kawachi, Junji; Awa, Shunichiro; and Ohtani, Keizo, to Yamatake-Honeywell Co., Ltd. Differential pressure transmitter. 4,841,776, 6-27-89, Cl. 73-706.000.
- Kawachi, Kyozo: *See—*
  - Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.
- Kawachi, Manabu, to Pioneer Electronic Corporation. Compound speaker system. 4,811,406, 3-7-89, Cl. 381-186.000.
- Kawachi, Masao: *See—*
  - Edahiro, Takao; Miya, Tetsuo; Sasaki, Yutaka; Okamoto, Katusunari; and Kawachi, Masao, 4,838,916, Cl. 65-3.110.
- Kawachi, Takayuki, to Nippon Thompson Co., Ltd. Drawn cup roller bearing. 4,887,918, 12-19-89, Cl. 384-560.000.
- Kawachi, Toru: *See—*
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- Kawachi, Yoshiki: *See—*
  - Kojima, Takao; Ishiguro, Hiroyuki; Kawachi, Yoshiki; and Yamada, Tetsusyo, 4,806,739, Cl. 219-543.000.
- Kawada, Fumiyoshi: *See—*
  - Tanabe, Tunehiko; and Kawada, Fumiyoshi, 4,824,397, Cl. 439-496.000.
- Kawada, Haruki: *See—*
  - Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, 4,813,763, Cl. 350-169.000.
  - Saito, Kenji; Nishimura, Yukuo; Tomida, Yoshinori; Kawada, Haruki; Eguchi, Ken; and Nakagiri, Takashi, 4,830,502, Cl. 356-432.000.
  - Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.
  - Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.
  - Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.
- Kawada, Hideaki; and Kawamoto, Hideo, to Sony Corporation. Cassette condition indicating device. 4,814,923, 3-21-89, Cl. 360-132.000.
- Kawada, Hiroyuki, to Sugiyasu Industries Co., Ltd. Apparatus for preventing a one-sided lowering of a jack mechanism including jacks adapted for synchronous operation. 4,815,712, 3-28-89, Cl. 254-89.00H.
- Kawada, Hiroyuki, to Sugiyasu Industries Co., Ltd. Jacking device. 4,830,147, 5-16-89, Cl. 187-8.620.
- Kawada, Hiroyuki, to Sugiyasu Industries Co., Ltd. System for lifting a vehicle for repair thereof. 4,854,421, 8-8-89, Cl. 187-8.710.
- Kawada, Hiroyuki; and Niwa, Kiminori, to Sugiyasu Iron Works Inc. Hand-operated lift truck. 4,854,422, 8-8-89, Cl. 187-9.00R.
- Kawada, Hiroyuki, to Sugiyasu Industries Co., Ltd. Lift for moving a container with castors. 4,884,936, 12-5-89, Cl. 414-498.000.
- Kawada, Hitoshi: *See—*
  - Oono, Yotaro; Saito, Hiroshi; Miyamoto, Takehiko; Wakimoto, Kazumasa; Kawada, Hitoshi; and Matsuura, Masahiro, 4,844,737, Cl. 75-42.000.
- Kawada, Jitsuji: *See—*
  - Tozawa, Hideaki; and Kawada, Jitsuji, 4,809,999, Cl. 280-281.100.
- Kawada, Junji, to Mitsubishi Denki Kabushiki Kaisha. Head positioning device. 4,837,650, 6-6-89, Cl. 360-106.000.
- Kawada, Kazuhide, to NEC Corporation. Microcomputer having Z-flag capable of detecting coincidence at high speed. 4,878,189, 10-31-89, Cl. 364-736.500.
- Kawada, Ken; and Ishikawa, Minoru, to Fuji Photo Film Co., Ltd. Image forming apparatus with microcapsule pressure rupture. 4,809,599, 3-7-89, Cl. 100-176.000.
- Kawada, Ken: *See—*
  - Nagumo, Akihiko; Ishikawa, Minoru; and Kawada, Ken, 4,799,085, Cl. 355-27.000.
  - Okuzawa, Tugio; and Kawada, Ken, 4,809,049, Cl. 355-28.000.
- Kawada, Kenji: *See—*
  - Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagshita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.
- Kawada, Mikio: *See—*
  - Otera, Junzo; Mandai, Tadakatsu; and Kawada, Mikio, 4,825,006, Cl. 568-32.000.
  - Otera, Junzo; Mandai, Tadakatsu; and Kawada, Mikio, 4,876,400, Cl. 568-824.000.
- Kawada, Mitsuru: *See—*
  - Imada, Isuke; Terao, Shinji; Kawada, Mitsuru; and Shiraishi, Mitsuru, 4,818,441, Cl. 260-396.00R.
- Kawada, Noriyuki: *See—*
  - Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, 4,879,788, Cl. 26-94.000.
- Kawada, Shigeki; Amemiya, Yoichi; Sogabe, Masatoyo; and Iwamatsu, Noboru, to Fanuc Ltd. AC servomotor and a method of manufacturing the same. 4,796,352, 1-10-89, Cl. 29-596.000.
- Kawada, Shigeru. Visor housing assembly and expandable sun visor having vertically slidable panel member with pivotal latch retaining means. 4,810,023, 3-7-89, Cl. 296-97.800.
- Kawada, Shinichi: *See—*
  - Hojo, Takeshi; Yamamoto, Kanshi; Kawada, Shinichi; Murabayashi, Kazushige; Akimoto, Mamoru; and Fukano, Michio, 4,879,918, Cl. 74-5.470.
- Kawada, Susumu: *See—*
  - Tamura, Kinichi; Kawada, Susumu; Sekine, Yoshitada; Abe, Kazuyoshi; Ishikawa, Ryosuke; and Yokota, Fumiki, 4,811,935, Cl. 269-34.000.
- Kawada, Toru: *See—*
  - Nishida, Fumihiko; Taniuchi, Osami; Yonetani, Hideaki; Kawada, Toru; and Yazaki, Tatsuo, 4,821,078, Cl. 355-75.000.
- Kawada, Toyoshi: *See—*
  - Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
- Kawada, Tsutomu: *See—*
  - Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, 4,866,670, Cl. 364-900.000.
- Kawada, Yasuo: *See—*
  - Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokio; Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, 4,798,992, Cl. 313-406.000.
- Kawada, Yukihiro; and Nakayama, Yoshiaki, to Fuji Photo Film Co., Ltd. Method and apparatus for automatically adjusting white balance. 4,883,360, 11-28-89, Cl. 356-402.000.
- Kawade, Yasuhiko: *See—*
  - Koesashi, Yuzo; Kawade, Yasuhiko; and Iwata, Yoshiharu, 4,859,123, Cl. 408-233.000.
- Kawagishi, Hideyuki: *See—*
  - Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.

  - Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.
- Kawagishi, Masao: *See—*
  - Fujiki, Norio; Ishikawa, Masahiro; Kawagishi, Masao; and Hayashi, Takatoshi, 4,866,376, Cl. 324-160.000.
  - Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,803,575, Cl. 360-94.000.
  - Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,809,113, Cl. 360-132.000.
  - Shiomi, Yoshinori; Kamiyama, Toshibumi; Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; and Matsui, Masahiko, 4,844,377, Cl. 242-198.000.
- Kawagishi, Toshio; and Nakazyo, Kiyoshi, to Fuji Photo Film Co., Ltd. Silver halide color photographic material containing a pyrazoloazole magenta coupler. 4,882,266, 11-21-89, Cl. 430-546.000.
- Kawagishi, Toshio: *See—*
  - Furutachi, Nobuo; Kawagishi, Toshio; and Nakazyo, Kiyoshi, 4,822,730, Cl. 430-558.000.
  - Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.
  - Noyori, Ryoji; Suzuki, Masaaki; Kawagishi, Toshio; and Kurozumi, Seizi, 4,845,282, Cl. 562-500.000.
- Kawagishi, Yoji; Narita, Shinichi; Kiriu, Takashi; and Yamanaka, Schunichiro, to Orient Chemical Industries, Ltd. Toner for developing electrostatic latent images. 4,826,749, 5-2-89, Cl. 430-110.000.
- Kawagoe, Jun: *See—*
  - Arakawa, Satoshi; Kitada, Akira; Yamazaki, Kikuo; Ohmiya, Kenji; and Kawagoe, Jun, 4,855,191, Cl. 428-690.000.
- Kawagoe, Kenji; Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawabata, Kazunobu, to Nissan Motor Company, Limited. Method and system for controlling automotive suspension system, particularly for controlling suspension characteristics in accordance with road surface conditions. 4,827,416, 5-2-89, Cl. 364-424.050.
- Kawagoe, Kenji: *See—*
  - Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawagoe, Kenji, 4,828,065, Cl. 180-142.000.
- Kawagoe, Mitsuhiro: *See—*
  - Kume, Satoru; Yoshida, Michiyasu; Kume, Tateo; Oshima, Hiroki; Kawagoe, Mitsuhiro; and Koga, Kazuo, 4,835,964, Cl. 60-285.000.
- Kawagoe, Nobukazu: *See—*
  - Yokota, Satoshi; Sugiyama, Masami; Kawagoe, Nobukazu; and Miyaura, Tomoko, 4,822,998, Cl. 250-226.000.
- Kawagoe, Shigeyuki: *See—*
  - Terada, Haruhiko; and Kawagoe, Shigeyuki, 4,845,890, Cl. 49-130.000.
- Kawagoe, Takahiro: *See—*
  - Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
  - Miyazaki, Tadaaki; Ogino, Takao; Masuda, Yoshitomo; and Kawagoe, Takahiro, 4,803,137, Cl. 429-194.000.
  - Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.
  - Ogino, Takao; Miyazaki, Tadaaki; Kawagoe, Takahiro; and Yoshio, Masaki, 4,863,817, Cl. 429-194.000.
- Kawagoe, Yasuyuki; Yamanishi, Kenichiro; and Yasunaga, Seiji, to Mitsubishi Denki Kabushiki Kaisha. Thin film deposition apparatus. 4,811,690, 3-14-89, Cl. 118-723.000.
- Kawagoshi, Hiroshi: *See—*
  - Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.
- Kawaguch, Nobuhisa: *See—*
  - Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igaras, Akira; and Kawaguch, Nobuhisa. 4,834,721, Cl. 604-266.000.
- Kawaguchi, Akira: *See—*
  - Sasaki, Takinori; Takenaka, Noriaki; Kawaguchi, Akira; and Tayama, Yukiharu, 4,838,807, Cl. 439-347.000.
- Kawaguchi, Hajime: *See—*
  - Ohshita, Takahiro; Higo, Tsutomu; Kosugi, Shigeru; Inumaru, Naoki; and Kawaguchi, Hajime, 4,823,740, Cl. 122-4.00D.
- Kawaguchi, Hideki: *See—*
  - Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.
- Kawaguchi, Hideo; and Takayanagi, Takashi, to Fuji Photo Film Co., Ltd. Liquid crystal display element and process for producing the same. 4,850,683, 7-25-89, Cl. 350-350.00R.
- Kawaguchi, Hideo: *See—*
  - Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, 4,826,902, Cl. 524-168.000.
  - Takayanagi, Takashi; and Kawaguchi, Hideo, 4,810,433, Cl. 264-22.000.
  - Takayanagi, Takashi; and Kawaguchi, Hideo, 4,842,380, Cl. 350-351.000.
- Kawaguchi, Hiroshi: *See—*
  - Konishi, Masataka; Saitoh, Kyoichiro; Ohkuma, Hiroaki; and Kawaguchi, Hiroshi, 4,868,117, Cl. 435-252.100.
  - Shibahara, Akihiro; Taguchi, Takehiko; Uehara, Akira; Shinohara, Koji; and Kawaguchi, Hiroshi, 4,880,318, Cl. 384-125.000.
- Kawaguchi, Hiroyuki, to Duplo Seizo Kabushiki Kaisa. Drive control for DC electric motor. 4,864,211, 9-5-89, Cl. 318-626.000.
- Kawaguchi, Hisao: *See—*
  - Nakatani, Hiroshi; Kawaguchi, Hisao; and Nakabu, Shigeo, 4,862,153, Cl. 340-719.000.
- Kawaguchi, Hitoshi: *See—*
  - Oe, Kunishige; Kawaguchi, Hitoshi; and Yoshikuni, Yuzo, 4,856,005, Cl. 372-20.000.
- Kawaguchi, Kanzi: *See—*
  - Watanabe, Osamu; Kawai, Mituo; and Kawaguchi, Kanzi, 4,857,120, Cl. 148-325.000.
- Kawaguchi, Kazushi: *See—*
  - Tabata, Akira; Miyajima, Motoshu; and Kawaguchi, Kazushi, 4,824,794, Cl. 437-33.000.
- Kawaguchi, Kazuyoshi: *See—*
  - Omura, Yoshiteru; Kawaguchi, Kazuyoshi; Tsukada, Kouji; Sugiyama, Susumu; Hayashi, Sadayuki; and Matsui, Masayuki, 4,833,929, Cl. 73-862.680.
- Kawaguchi, Kenji, to Kyoto Electronics Manufacturing Co., Ltd. Sampling method for oscillatory densimeter. 4,827,746, 5-9-89, Cl. 73-32.00A.
- Kawaguchi, Kiyoshi: *See—*
  - Yamada, Muneki; and Kawaguchi, Kiyoshi, 4,876,052, Cl. 264-148.000.
- Kawaguchi, Kojiro; and Furukawa, Shohei, to Hitachi Kiden Kogyo Kabushiki Kaisha. Linear motor-driven conveyor means. 4,800,818, 1-31-89, Cl. 104-290.000.
- Kawaguchi, Kouji: *See—*
  - Miyama, Hidetoshi; Sugimoto, Masanori; and Kawaguchi, Kouji, 4,889,968, Cl. 219-121.700.
- Kawaguchi, Kozo, to Tomy, Inc. Orthodontic coil spring and method of making the same. 4,849,032, 7-18-89, Cl. 148-11.50R.
- Kawaguchi, Kunihiro: *See—*
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.
- Kawaguchi, Ltd.: *See—*
  - Kosaka, Norindo; and Yamaguchi, Chikatoshi, 4,841,364, Cl. 358-101.000.
- Kawaguchi, Masahiko, to Murata Manufacturing Co., Ltd. LC Filter. 4,888,568, 12-19-89, Cl. 333-174.000.
- Kawaguchi, Masahiro: *See—*
  - Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, 4,808,083, Cl. 417-295.000.
  - Watanabe, Yasushi; Kawaguchi, Masahiro; Suzuki, Shinichi; and Nakai, Tatsuya, 4,838,740, Cl. 417-295.000.
  - Watanabe, Yasushi; Suzuki, Shinichi; Kawaguchi, Masahiro; and Nakai, Tatsuya, 4,842,490, Cl. 417-295.000.
  - Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, 4,844,703, Cl. 417-295.000.
- Kawaguchi, Masashi: *See—*
  - Endo, Yoshihiro; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, 4,880,661, Cl. 427-38.000.
  - Isaka, Kinishi; Kawaguchi, Masashi; and Uede, Hisashi, 4,818,913, Cl. 315-169.300.
  - Nakamura, Noriaki; Isaka, Kinichi; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, 4,814,237, Cl. 428-690.000.
  - Nakamura, Noriaki; Kawaguchi, Masashi; and Sonoyama, Yasuo, 4,855,641, Cl. 313-505.000.
- Kawaguchi, Mika: *See—*
  - Kato, Yoshiaki; Tanaka, Masashi; Tsujita, Mitsuji; Kimoto, Keizo; Nishikawa, Hirotsugu; and Kawaguchi, Mika, 4,882,253, Cl. 430-59.000.
- Kawaguchi, Nobuhisa: *See—*
  - Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igarashi, Akira; and Kawaguchi, Nobuhisa, 4,814,231, Cl. 428-425.500.
- Kawaguchi, Norihito: *See—*
  - Yoshizaki, Haruhiko; and Kawaguchi, Norihito, 4,814,364, Cl. 523-100.000.
- Kawaguchi, Seiji, to Apollo Seiko Ltd. Method for soldering arrayed terminals and an automatic soldering device. 4,805,830, 2-21-89, Cl. 228-179.000.
- Kawaguchi, Seiji, to Apollo Seiko Ltd. Wire stripping apparatus and an automatic wiring device which incorporates it. 4,860,427, 8-29-89, Cl. 29-564.400.
- Kawaguchi, Shinji: *See—*
  - Hosoda, Kenichiro; Kawaguchi, Shinji; Shinbo, Atsushi; and Yokota, Kiyoshi, 4,860,315, Cl. 375-30.000.
- Kawaguchi, Tadashi: *See—*
  - Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi;

Gotoh, Tetsuya; and Horiguchi, Shiro, 4,839,005, Cl. 204-129.460.

Kawaguchi, Taiichi: *See—*

Osawa, Shigenobu; Kawaguchi, Taiichi; Tamura, Makoto; and Shinohara, Hideyuki, 4,804,995, Cl. 355-3.0DD.

Kawaguchi, Takashi, to Seiko Epson Corporation. Power source control circuit for an analog electronic timepiece. 4,817,063, 3-28-89, Cl. 368-204.000.

Kawaguchi, Takashi; Fujita, Yoshiaki; and Kawai, Satoshi, to Nippon Piston Ring Co., Ltd. Method and device for examination of a joint of a ultrasonic joint inspection device and method. 4,817,420, 4-4-89, Cl. 73-119.00R.

Kawaguchi, Takayuki: *See—*

Iwakuma, Takeo; Kawaguchi, Takayuki; Yamashita, Toyoharu; Sasaki, Yasuhiko; and Shimazaki, Tamotu, 4,866,196, Cl. 560-012.000.

Masuda, Masami; Kawaguchi, Takayuki; and Nozawa, Yasumitsu, 4,804,868, Cl. 307-446.000.

Masuda, Masami; Nozawa, Yasumitsu; and Kawaguchi, Takayuki, 4,804,869, Cl. 307-446.000.

Kawaguchi, Takeo; Fujinaga, Shigeki; and Suzuki, Yoshiki, to Teijin Limited. Antiviral agent. 4,868,162, 9-19-89, Cl. 514-50.000.

Kawaguchi, Takeyuki; and Shiro, Takashi, to Teijin Limited. Method and kit having layered device for detecting biological component by interference color. 4,820,649, 4-11-89, Cl. 436-501.000.

Kawaguchi, Tomihisa; Ota, Akira; and Kawasaki, Akira. Method of preserving wine in a bottle and a wine preserving container. 4,850,480, 7-25-89, Cl. 206-205.000.

Kawaguchi, Toru, to Tomei Sangyo Kabushiki Kaisha. Hard contact lens material consisting of alkyl fumarate and silicon-alkyl fumarate copolymers. 4,868,250, 9-19-89, Cl. 526-242.000.

Kawaguchi, Toshiaki; Sasaki, Tsutomu; Fukumoto, Takaaki; Funada, Yutaka; Kubota, Isao; Hama, Masaharu; and Terada, Nobuyoshi, to Mitsubishi Denki Kabushiki Kaisha. Safety device for vessels of compressed gases. 4,834,137, 5-30-89, Cl. 137-557.000.

Kawaguchi, Toshikazu, to Minolta Camera Kabushiki Kaisha. Copying apparatus. 4,839,693, 6-13-89, Cl. 355-234.000.

Kawaguchi, Toshio: *See—*

Kinuno, Masanori; Saito, Hisao; Kousaka, Akira; and Kawaguchi, Toshio, 4,855,645, Cl. 315-39.710.

Kawaguchi, Toshiro; Sonoda, Takefumi; and Hashimoto, Kiyoshi, to UBE Industries, Ltd. Injection apparatus. 4,842,507, 6-27-89, Cl. 425-382.400.

Kawaguchi, Toshiyasu: *See—*

Ohta, Hironori; Kawaguchi, Toshiyasu; Mukaiyama, Takashi; Matsuzaki, Katsuhiko; Ebisawa, Junichi; Taneda, Naoki; Arai, Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kunii, Koushiro, 4,838,914, Cl. 65-2.000.

Kawaguchi, Toshiyuki: *See—*

Shinoda, Katsuro; Kawaguchi, Toshiyuki; Nakanishi, Kazumi; Oguri, Noriyasu; Harada, Hiroshi; and Nakajima, Isao, 4,810,836, Cl. 174-139.000.

Shinoda, Katsuro; Kawaguchi, Toshiyuki; Katsukawa, Hiroyuki; and Tanaka, Naoki, 4,833,726, Cl. 455-89.000.

Kawaguchi, Tsutomu; and Shimoda, Naoto, to Chugai Seiyaku Kabushiki Kaisha. Stable erythropoietin preparation and process for formulating the same. 4,806,524, 2-21-89, Cl. 514-8.000.

Kawaguchi, Tsutomu: *See—*

Shimoda, Naoto; and Kawaguchi, Tsutomu, 4,879,272, Cl. 514-8.000.

Kawaguchi, Yasunobu: *See—*

Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B

Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,800,744, Cl. 72-342.000.

Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,801,106, Cl. 242-159.000.

Kawaguchi, Yasutsugu; Fuji, Kiyoshi; Mitsuta, Takeshi; and Nagasawa, Kiyoshi, to Hitachi, Ltd. Method and apparatus for controlling air-conditioning apparatus. 4,810,943, 3-7-89, Cl. 318-434.000.

Kawaguchi, Yoshihisa: *See—*

Yamamoto, Taizo; Konishi, Hirokazu; Kawaguchi, Yoshihisa; and Ohnishi, Yoshizumi, 4,811,802, Cl. 177-1.000.

Kawaguchi, Yukio; and Kineri, Tobru, to TDK Corporation. Thermistor materials and elements. 4,890,087, 12-26-89, Cl. 338-22.00R.

Kawahara, Eiichiro; Ikejiri, Kenichi; Iino, Takashi; Iwasawa, Kenjiro; and Yamamoto, Noboru, to Honda Giken Kogyo Kabushiki Kaisha. Actuator with built-in pilot valve. 4,809,587, 3-7-89, Cl. 91-166.000.

Kawahara, Eiichiro; and Ikejiri, Kenichi, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulically operated continuously variable transmission. 4,856,279, 8-15-89, Cl. 60-489.000.

Kawanara, Eiichiro: *See—*

Ikejiri, Kenichi; Kawahara, Eiichiro; and Furumoto, Mitsumasa, 4,864,823, Cl. 60-488.000.

Yamamoto, Noboru; Furumoto, Mitsumasa; Kawahara, Eiichiro; and Ikehjiri, Kenichi, 4,838,024, Cl. 60-488.000.

Kawahara, Haruyuki; Tanaka, Katsumi; Ashiura, Yasuyuki; and Yoshimura, Motonobu, to Kawahara, Haruyuki; and Toho Titanium Co., Ltd. Endosseous implant having mesh pore structure. 4,842,517, 6-27-89, Cl. 433-173.000.

Kawahara, Hideo: *See—*

Ino, Juichi; Hishinuma, Akihiro; Nagayama, Hirotsugu; and Kawahara, Hideo, 4,882,183, Cl. 427-126.600.

Kawahara, Hironobu: *See—*

Kawasaki, Yoshinao; Kawahara, Hironobu; Kakehi, Yutaka; Hirobe, Kado; and Kudo, Katsuyoshi, 4,795,529, Cl. 156-643.000.

Kawahara, Hiroshi: *See—*

Izaki, Takeshi; and Kawahara, Hiroshi, 4,884,501, Cl. 100-176.000.

Ohara, Shuzo; and Kawahara, Hiroshi, 4,855,280, Cl. 503-214.000.

Kawahara, Katsushi: *See—*

Mochizuki, Kazuto; and Kawahara, Katsushi, 4,859,977, Cl. 336-65.000

Kawahara, Katsuyuki: *See—*

Katsuie, Masahiro; Abe, Michiyuki; Kawahara, Katsuyuki; and Nakamura, Taizo, 4,856,965, Cl. 417-19.000.

Kawahara, Kenji: *See—*

Kato, Koichi; Yamada, Takao; and Kawahara, Kenji, 4,798,886, Cl. 530-416.000.

Kawahara, Masafumi, to Sharp Kabushiki Kaisha. Monitor for blocked condition in tube for fluid infusion pump. 4,882,575, 11-21-89, Cl. 340-608.000.

Kawahara, Masahiro: *See—*

Saeki, Yasuharu; Watanabe, Takeshi; Ohwaki, Takayuki; Kawahara, Masahiro; and Miyake, Yasuo, 4,827,062, Cl. 514-690.000.

Kawahara, Masato: *See—*

Ushikubo, Takashi; Okayama, Hideaki; Kawahara, Masato; and Asabayashi, Issei, 4,884,858, Cl. 350-96.130.

Kawahara, Masayuki; Hotta, Hisashi; Watanabe, Toshiaki; and Otsuka, Shinya, to Toyo Seikan Kaisha, Ltd. Can provided with easily openable closure and process for production thereof. 4,828,136, 5-9-89, Cl. 220-270.000.

Kawahara, Nobuaki; Hoshizaki, Hiroki; Suzuki, Hirofumi; Kobayashi, Kiyomi; Ohkawa, Makoto; and Asano, Mitsuru, to Nippondenso Co., Ltd. Low temperature sintering ceramic material composition and process for producing the low temperature sintering ceramic. 4,829,029, 5-9-89, Cl. 501-108.000.

Kawahara, Nobuaki: *See—*

Hoshizaki, Hiroki; Oyobe, Kazuo; Suzuki, Hirofumi; Kawahara, Nobuaki; Niwa, Hitoshi; and Kageyama, Terutaka, 4,803,345, Cl. 219-553.000.

Kawahara, Sei: *See—*

Hamamura, Ken; Kawahara, Sei; and Goto, Mitsuhiro, 4,880,174, Cl. 425-185.000.

Kawahara, Shuichi: *See—*

Kawamura, Sadao; Iwashita, Kanau; Fuse, Tomeo; Kawahara, Shuichi; Sataka, Naoyuki; and Ito, Hidekuni, 4,834,223, Cl. 188-282.000.

Kawahara, Takanori: *See—*

Osawa, Kenji; Muramoto, Shiyouichi; Watanabe, Yoshio; Kawahara, Takanori; and Koizumi, Takaaki, 4,804,574, Cl. 428-209.000.

Kawahara, Takayuki: *See—*

Hori, Ryoichi; Itoh, Kiyoo; Kitsukawa, Goro; Kawajiri, Yoshiki; Watanabe, Takao; and Kawahara, Takayuki, 4,873,673, Cl. 365-230.060.

Watanabe, Takao; Kitukawa, Goro; Hori, Ryoichi; Itoh, Kiyoo; Kawajiri, Yoshiki; and Kawahara, Takayuki, 4,837,462, Cl. 307-446.000.

Kawahara, Takeshi: *See—*

Shinkawa, Kiyoshi; Kawahara, Takeshi; Hayakawa, Hideki; and Mori, Masaru, 4,799,162, Cl. 364-436.000.

Yamanaka, Torao; and Kawahara, Takeshi, 4,860,001, Cl. 340-825.200.

Kawahara, Tetsuo: *See—*

Ginnaga, Akihiro; Nishihara, Tsukasa; Kawahara, Tetsuo; Sasaki, Sadao; Mizokami, Hiroshi; and Sakoh, Mitsuo, 4,885,398, Cl. 530-396.000.

Kawahara, Yasunari; and Kamiyama, Hideyo, to Pioneer Electronic Corporation. Audio information reproducing apparatus. 4,847,[illegible], 7-11-89, Cl. 369-86.000.

Kawahara, Yoshiaki: *See—*

Saji, Yoshiro; Tada, Eichi; Toda, Hiroaki; and Kawahara, Yoshiaki, 4,803,452, Cl. 335-301.000.

Kawahara, Yoshiharu: *See—*

Nakano, Akira; Higashioka, Hiroshi; Nomura, Masaki; Kawahara, Yoshiharu; Yamashita, Ko; Sano, Yoshito; and Kase, [illegible], 4,861,612, Cl. 426-607.000.

Kawahara, Yoshihiro: *See—*

Nozaka, Kenkichi; Kawahara, Yoshihiro; Fukutaka, Takashi; and Horie, Fumiharu, 4,887,680, Cl. 180-53.300.

Kawahara, Yoshitaka: *See—*

Hara, Yasuo; Oashi, Ryuji; Kawahara, Yoshitaka; and Tamura, Mikio, 4,861,931, Cl. 585-363.000.

Kawahara, Yosihiro: *See—*

Nozaka, Kenkichi; Kawahara, Yosihiro; Kitamura, Yuji; Mori, Shigeru; and Takahashi, Sadayuki, 4,836,738, Cl. 414-607.000.

Nozaka, Kenkichi; Kawahara, Yosihiro; and Fukutaka, Takashi, 4,884,639, Cl. 172-47.000.

Kawahara, Yuji: *See—*

Karube, Yoshiyuki; and Kawahara, Yuji, 4,883,375, Cl. [illegible]

Kawahara, Yukito; Mukainakano, Hiroshi; and Machida, Satoshi, to Seiko Instruments & Electronics Ltd. Method of manufacturing semiconductor device having trapezoidal shaped substrate sections. 4,839,300, 6-13-89, Cl. 437-002.000.

Kawaharazaki, Takashi: *See—*

Asagiri, Katsuki; Nishimura, Yuji; Kawaharazaki, Takashi; and Yoshitsugu, Noritada, 4,850,610, Cl. 280-804.000.

Nishimura, Yuji; Kawaharazaki, Takashi; Tamura, Keiichi; Matsui, Kenji; Watanabe, Yasutaka; and Yoshitsugu, Noritada, 4,858,953, Cl. 280-807.000.

Kawahashi, Akira: *See—*

Demura, Hiroshi; Kawahashi, Akira; Hayashi, Kazumi; and Kokubu, Sadao, 4,799,769, Cl. 350-331.00R.

Kawahata, Sigeyuki; and Sugawara, Yoshitaka, to Hitachi, Ltd. Flip-flop circuit. 4,837,458, 6-6-89, Cl. 307-279.000.

Kawahata, Yoshihiro: *See—*

Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,808,584, Cl. 514-229.500.

Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,853,469, Cl. 544-99.000.

Kawahito, Akiyoshi: *See—*

Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.

Kawahito, Shiro; and Minato, Masanori, to Kao Corporation. Thermal transfer recording medium. 4,859,537, 8-22-89, Cl. 428-411.100.

Kawahuti, Junsei: *See—*

Nishina, Masaaki; and Kawahuti, Junsei, 4,803,260, Cl. 528-487.000.

Kawai Gakki Seisakusho Co., Ltd.: *See—*

Isashi, Hiroyuki, 4,794,840, Cl. 84-467.000.

Isashi, Hiroyuki, 4,827,826, Cl. 84-470.00R.

Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, to Yamada Chemical Co., Ltd. Divinyl compounds and chromogenic recording-material prepared by using thereof. 4,808,567, 2-28-89, Cl. 503-220.000.

Kawai, Hajime; Taniguchi, Masatoshi; and Tsunemitsu, Katsuhiko, to Yamada Chemical Co., Ltd. Heat-sensitive recording material. 4,814,320, 3-21-89, Cl. 503-220.000.

Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, to Yamada Chemical Co., Ltd. Divinyl compounds and chromogenic recording-material prepared by using thereof. 4,835,291, 5-30-89, Cl. 549-304.000.

Kawai, Hajime: *See—*

Fujino, Yoshiharu; Kawai, Hajime; and Tsunemitsu, Katsuhiko, 4,845,245, Cl. 549-304.000.

Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Maeyama, Yoshikazu, to Matsushita Electronics Corporation. Layout for stable high speed semiconductor memory device. 4,796,224, 1-3-89, Cl. 365-51.000.

Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Sakagami, Masahiko, to Matsushita Electronics Corporation. Semiconductor integrated circuit device including shift register having substantially equalized wiring between stages thereof. 4,821,299, 4-11-89, Cl. 377-69.000.

Kawai, Hideki: *See—*

Nagano, Hirosaku; Kawai, Hideki; and Akahori, Kiyokazu, 4,886,874, Cl. 528-353.000.

Nishimoto, Toshio; Kawai, Hideki; Fujii, Masaru; and Ohta, Kiyoto, 4,845,670, Cl. 365-78.000.

Kawai, Hidemi: *See—*

Murakami, Seiro; Tanimoto, Akikazu; Makinouchi, Susumu; Kawai, Hidemi; and Murakami, Masaichi, 4,860,374, Cl. 382-48.000.

Kawai, Hiromasa: *See—*

Kobayashi, Akihiro; Fujita, Toshiyuki; Saito, Takayuki; Kawai, Hiromasa; Hosoi, Yutaka; and Shibata, Hideaki, 4,868,261, Cl. 526-262.000.

Kawai, Hironao; Fukui, Shigetoshi; and Ikeda, Kenji, to Morimoto Mfg. Co., Ltd. Waistband sew-in device. 4,860,676, 8-29-89, Cl. 112-121.140.

Kawai, Hironobu; and Sawa, Hiroshi, to Hochiki Kabushiki Kaisha. Photoelectric smoke detector with permanently fixed insect net. 4,851,819, 7-25-89, Cl. 340-630.000.

Kawai, Hiroyuki; Shibukawa, Takeo; and Mandai, Fujiyo, to Yamaha Corporation. Electrical educational toy. 4,869,701, 9-26-89, Cl. 446-91.000.

Kawai, Hiroyuki; and Nakagawa, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Clock generator which generates a non-overlap clock having fixed pulse width and changeable frequency. 4,877,974, 10-31-89, Cl. 307-269.000.

Kawai, Hiroyuki; Nakajima, Shohachi; and Takeuchi, Tomio, to Kirin Beer Kabushiki Kaisha. Derivatives of 13-deoxycarminomycin. 4,888,418, 12-19-89, Cl. 536-6.400.

Kawai, Hiroyuki: *See—*

Umezawa, Hamao; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,833,241, Cl. 536-6.400.

Umezawa, Hamao, deceased; Tatsuta, Kuniaki; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,877,870, Cl. 536-6.400.

Kawai, Hisashi; Masunaga, Makoto; Sakata, Tsuguhide; Takei, Masahiro; and Nagasawa, Kenichi, to Canon Kabushiki Kaisha. Synchronizing pulse signal generation device. 4,851,910, 7-25-89, Cl. 358-154.000.

Kawai, Hisasi: *See—*

Igarashi, Toshihiko; Sakakibara, Yasuyuki; Abe, Seiko; Sekiguchi, Kiyonori; Izawa, Akihiro; and Kawai, Hisasi, 4,887,569, Cl. 123-300.000.

Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, 4,809,197, Cl. 364-550.000.

Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, 4,837,727, Cl. 364-551.010.

Kawai, Joji, to Mitsubishi Denki Kabushiki Kaisha. Memory unit for data tracing. 4,835,675, 5-30-89, Cl. 364-200.000.

Kawai, Kaiji: *See—*

Kimpara, Masaomi; Kawai, Kaiji; and Tobe, Yukiya, 4,874,425, Cl. 71-121.000.

Kawai, Katsunori; Suzuki, Shinichi; Hattori, Mitsuhiro; and Deguchi, Hiroyuki, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Pressure control valve assembly. 4,856,292, 8-15-89, Cl. 62-217.000.

Kawai, Kazuaki; Ishida, Hitoshi; and Yamauchi, Noriyoshi, to Ryobi Ltd. Gas venting arrangement in injection molding apparatus and method for venting gas in the injection molding apparatus. 4,852,634, 8-1-89, Cl. 164-457.000.

Kawai, Kazuhide, to Nippondenso Co., Ltd. Ignition coil unit for internal combustion engines. 4,834,056, 5-30-89, Cl. 123-634.000.

Kawai, Kazuhide: *See—*

Aiba, Yoshiro; Arakawa, Kazumi; Watanabe, Takashi, and Kawai, Kazuhide, 4,857,488, Cl. 501-89.000.

Kawai, Kazuo: *See—*

Nasu, Kenichi; Kawai, Kazuo; and Matsuo, Yoshihiro, 4,831,980, Cl. 123-196.00A.

Yokoi, Yoshihiko; Kawai, Kazuo; Onda, Youkichi; and Mochizuki, Masaki, 4,843,708, Cl. 29-407.000.

Kawai, Kenichi; Fukuma, Nobuo; Matsui, Akira; Futamura, Kenichiro; Asada, Eizi; and Fukuoka, Tatsuhiko, to Toyota Motor Corporation; and Taiho Kogyo Co., Ltd. Pb-Sn-Sb-In solder alloy. 4,869,871, 9-26-89, Cl. 420-559.000.

Kawai, Kenji; Ohtorii, Masakzu; Ueyama, Tsutomu; and Yoshida, Takumi, to Dainippon Screen Mfg. Co., Ltd. Method and apparatus for correcting snaking in a rollfilm feeding apparatus. 4,847,634, 7-11-89, Cl. 346-136.000.

Kawai, Kenji: *See—*

Ogawa, Toshiaki; Fujiwara, Nobuo; Kawai, Kenji; Shibano, Teruo; Morita, Hiroshi; and Nishioka, Kyusaku, 4,877,509, Cl. 204-298.000.

Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igarashi, Akira; and Kawaguchi, Nobuhisa, 4,814,231, Cl. 428-425.500.

Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igaras, Akira; and Kawaguch, Nobuhisa, 4,834,721, Cl. 604-266.000.

Kawai, Kimitoshi: *See—*

Czytko, Michael; Ishii, Kiyoshi; and Kawai, Kimitoshi, 4,882,277, Cl. 435-136.000.

Kawai, Kiyoji, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for controlling elevator at occurrence of earthquake. 4,809,817, 3-7-89, Cl. 187-107.000.

Kawai, Kiyoshi: *See—*

Sasaki, Toshio; Ebera, Takeshi; Kawai, Kiyoshi; and Shiga, Akinobu, 4,806,433, Cl. 502-115.000.

Kawai, Kiyoyuki: *See—*

Miyazaki, Toru; and Kawai, Kiyoyuki, 4,851,904, Cl. 358-105.000.

Yamada, Masahiro; and Kawai, Kiyoyuki, 4,870,661, Cl. 375-122.000.

Yasuki, Seijiro; and Kawai, Kiyoyuki, 4,870,482, Cl. 358-31.000.

Kawai, Kouji; Matsumoto, Eiichi; and Teramoto, Masahiko, to Nissan Motor Company, Ltd. Formed in place (FIP) gasket arrangement. 4,832,349, 5-23-89, Cl. 277-12.000.

Kawai, Makoto: *See—*

Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, 4,831,878, Cl. 73-313.000.

Hayashi, Chikahisa; Kawai, Makoto; and Hirose, Yoshikazu, 4,845,986, Cl. 73-290.00R.

Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kanai, Makoto, 4,868,355, Cl. 200-61.540.

Yagi, Shizuo; Hirosawa, Yoshiaki; Kawai, Makoto; Yamamoto, Yorihisa; Yoshikawa, Haruhiko; and Nakamura, Kenichi, 4,846,128, Cl. 123-425.000.

Yoshikawa, Haruhiko; and Kawai, Makoto, 4,875,450, Cl. 123-425.000.

Kawai, Masahide: *See—*

Sano, Yuji; Osawa, Michitaka; and Kawai, Masahide, 4,820,997, Cl. 330-252.000.

Kawai, Masaki, to Tokico Ltd. Gas separator system. 4,857,086, 8-15-89, Cl. 55-162.000.

Kawai, Masanori; Murakami, Kiyotaka; Kurogama, Tatsuji; and Watanabe, Mitsuru, to Konishiroku Photo Industry Co., Ltd. Moving type image recording apparatus. 4,819,083, 4-4-89, Cl. 358-294.000.

Kawai, Masao: *See—*

Harada, Yoshiharu; Taga, Yutaka; Fukumura, Kagenori; Hayakawa, Yoichi; and Kawai, Masao, 4,858,500, Cl. 74-866.000.

Kawai, Masashi: *See—*

Kato, Kaoru; Koma, Hachiro; and Kawai, Masashi, 4,832,117, Cl. 165-151.000.

Kawai, Michio: *See—*

Hori, Kimihiko; Nakamura, Koichi; Kawai, Michio; Motegi, Itsuro; Imokawa, Genji; and Takaishi, Naotake, 4,876,084, Cl. 424-62.000.

Kawai, Mikio; Miyagi, Harutoshi; and Ura, Mikio, to Nissan Motor Co., Ltd. Variable light transmittance glass board functional as electrochromic cell. 4,801,195, 1-31-89, Cl. 350-357.000.

Kawai, Mitsuo: *See—*

Tada, Kaoru; Hasunuma, Masahiko; and Kawai, Mitsuo, 4,854,978, Cl. 148-14.000.

Kawai, Mituo: *See—*

Fukasawa, Yoshiharu; Kawai, Mituo; Ishihara, Hideo; and Yamanobe, Takashi, 4,842,706, Cl. 204-298.000.

Kimura, Sakae; Yakabe, Touru; and Kawai, Mituo, 4,820,954, Cl. 313-270.000.

Watanabe, Osamu; Kawai, Mituo; and Kawaguchi, Kanzi, 4,857,120, Cl. 148-325.000.

Kawai Musical Instrument Mfg. Co., Ltd.: *See*—

Deutsch, Ralph, 4,800,794, Cl. 84-1.210.

Deutsch, Ralph; and Deutsch, Leslie J., 4,823,667, Cl. 84-1.160.

Ishida, Muneo; Yamashita, Mithuo; Onishi, Masanari; and Tanaka, Masahiro, 4,840,104, Cl. 84-437.000.

Kawai, Naoki; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; Ina, Toshikazu; and Kuno, Akira, to Nippondenso Co., Ltd.; and Nippon Soken, Inc. Vehicle seat with rotatable backrest. 4,822,093, 4-18-89, Cl. 296-65.100.

Kawai, Naoki; Hamamoto, Kouji; and Hosokawa, Tomiaki, to Matsushita Electric Industrial Co., Ltd. Reduced-spatter pulse arc welding machine for use with a consumable electrode. 4,889,969, 12-26-89, Cl. 219-130.510.

Kawai, Naoyuki: *See*—

Ohta, Kimihiro; Nakagawa, Tadashi; Kojima, Takeshi; Sakamoto, Tsunenori; and Kawai, Naoyuki, 4,855,013, Cl. 156-601.000.

Kawai, Nobufumi: *See*—

Yoshioka, Masanori; Hou, Hidemitsu; and Kawai, Nobufumi, 4,855,405, Cl. 530-300.000.

Kawai, Nobuo; and Miwa, Satoshi, to Kabushiki Kaisha Toshiba. Air conditioner with automatic selection and re-selection function for operating mode. 4,869,073, 9-26-89, Cl. 62-160.000.

Kawai, Nobuyasu: *See*—

Iwai, Kenji; Furuta, Seiya; Takigawa, Hiroshi; and Kawai, Nobuyasu, 4,825,522, Cl. 29-156.80R.

Kawai, Noriaki: *See*—

Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.

Kawai, Osamu; and Asano, Shuichi, to Nippon Seiko Kabushiki Kaisha. Passive seat belt system. 4,832,365, 5-23-89, Cl. 280-804.000.

Kawai, Osamu, to Nippon Seiko Kabushiki Kaisha. Passive seat belt system. 4,834,425, 5-30-89, Cl. 280-804.000.

Kawai, Osamu; and Mizumura, Shunzi, to Nippon Seiko Kabushiki Kaisha. Passive seat belt system. 4,838,577, 6-13-89, Cl. 280-804.000.

Kawai, Osamu; and Mizumura, Shunzi, to Nippon Seiko Kabushiki Kaisha. Passive seat belt device. 4,874,995, 10-17-89, Cl. 318-484.000.

Kawai, Osatomi; and Kikuchi, Junji, to Strapack Corporation. Strapping band guide unit in full automatic strapping machine. 4,867,053, 9-19-89, Cl. 100-26.000.

Kawai, Rie; Goto, Kanzen; and Morimoto, Kunio, to Hitachi, Ltd. Method of processing the data in banking terminal. 4,825,051, 4-25-89, Cl. 235-379.000.

Kawai, Ryoichi: *See*—

Kotani, Matahira; Morimoto, Hiroshi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,809,080, Cl. 358-256.000.

Kotani, Matahira; Matsumoto, Masafumi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,827,355, Cl. 358-296.000.

Kawai, Satoru: *See*—

Oki, Ken-ichi; Kawai, Satoru; Yanai, Ken-ichi; and Takahara, Kazuhiro, 4,818,981. Cl. 340-784.000.

Kawai, Satoshi: *See*—

Kawaguchi, Takashi; Fujita, Yoshiaki; and Kawai, Satoshi, 4,817,420, Cl. 73-119.00R.

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,806,965, Cl. 355-1.000.

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,884,095, Cl. 355-1.000.

Kawai, Shichio: *See*—

Kishimoto, Mikio; Nakazumi, Tetsuya; Kawai, Tomoji; and Kawai, Shichio, 4,803,132, Cl. 428-141.000.

Kawai, Shinichi; Fukazawa, Eiji; Miyashita, Hiroshi; and Shiiba, Yoshio, to Honda Giken Kogyo Kabushiki Kaisha. Conveyor system for use in automobile assembly line. 4,813,529, 3-21-89, Cl. 198-468.600.

Kawai, Shinichi, to Fujitsu Limited. Method for producing a semiconductor device having a silicon-on-insulator structure. 4,889,829, 12-26-89, Cl. 437-69.000.

Kawai, Shoichi; Konishi, Masayuki; and Katoh, Chieji, to Sharp Kabushiki Kaisha. Time display device. 4,884,254, 11-28-89, Cl. 368-21.000.

Kawai, Shunichi, to Aisin Seiki Kabushiki Kaisha. Shift acutator in automatic shift mechanism of geared transmissions. 4,821,607, 4-18-89, Cl. 74-866.000.

Kawai, Shunichi, to Aisin Seiki Kabushiki Kaisha. Throttle actuator in automatic shift mechanism of geared transmissions. 4,825,831, 5-2-89, Cl. 123-360.000.

Kawai, Sumio, to Olympus Optical Co., Ltd. Vibration wave motor. 4,871,937, 10-3-89, Cl. 310-323.000.

Kawai, Sumio: *See*—

Nakajima, Yukio; Miyasaka, Tetsuo; and Kawai, Sumio, 4,857,951, Cl. 354-400.000.

Kawai, Syohei: *See*—

Toyama, Mitsuaki; Ishihara, Tameaki; Kawai, Syohei; Kono, Keizo; and Shimoda, Nobuo, 4,823,187, Cl. 358-51.000.

Kawai, Syuji; Anzai, Seio; Ishii, Toshinori; Shirano, Kenji; Shimamura, Kunihiko; Kanemitsu, Toshimasa; and Matsumura, Keiji, to Kuraray Co., Ltd. Multilayered tube for draw molding and multilayered container utilizing the tube. 4,810,542, 3-7-89, Cl. 428-36.700.

Kawai, Tadahide: *See*—

Kamuro, Yasuo; Kawai, Tadahide; and Kakiuchi, Toshihito, 4,846,872, Cl. 71-86.000.

Kawai, Taiyo; Nakagawa, Norihisa; and Sano, Shin-ichi, to Toyota Jidosha Kabushiki Kaisha. Internal combustion engine with multiple intake valves and EGR arrangement. 4,856,473, 8-15-89, Cl. 123-308.000.

Kawai, Takashi, to Toyotomi Kogyo Co., Ltd. Combustion cylinder structure for oil burner. 4,850,855, 7-25-89, Cl. 431-201.000.

Kawai, Takashi: *See*—

Kawamura, Masanori; and Kawai, Takashi, 4,846,672, Cl. 431-201.000.

Kawai, Takayuki, to Yamaha Corporation. Level adjuster for a musical instrument. 4,848,207, 7-18-89, Cl. 84-403.000.

Kawai, Takumi: *See*—

Iijima, Tadahiko; Kawai, Takumi; Tennichi, Yasuhiro; and Yasuda, Sadao, 4,825,352, Cl. 364-140.000.

Kawai, Taneichi; Yasuda, Tomio; and Aoki, Kohji, to Aisin Seiki Kabushiki Kaisha. Harm preventing apparatus for vehicle. 4,876,641, 10-24-89, Cl. 364-424.050.

Kawai, Taneichi: *See*—

Imaizumi, Tomoaki; Kawai, Taneichi; Nishida, Kouji; and Murakami, Yuuichi, 4,860,002, Cl. 340-825.310.

Kawai, Tatsuya: *See*—

Ikada, Yoshito; Gen, Shokyu; Kawai, Tatsuya; and Matsuda, Takashi, 4,844,067, Cl. 128-335.500.

Kawai, Tomoji; Satoh, Hisao; and Ohta, Yoshiharu, to Nomura Micro Science Co., Ltd. Photocatalytic treatment of water for the preparation of ultra pure water. 4,863,608, 9-5-89, Cl. 210-638.000.

Kawai, Tomoji: *See*—

Kishimoto, Mikio; Nakazumi, Tetsuya; Kawai, Tomoji; and Kawai, Shichio, 4,803,132, Cl. 428-141.000.

Kawai, Toru: *See*—

Fujimura, Shoji; and Kawai, Toru, 4,802,282, Cl. 33-12.000.

Kawai, Toshikazu: *See*—

Kondo, Takeshi; Negishi, Junji; Goto, Yoshihiko; Minezaki, Matsue; and Kawai, Toshikazu, 4,849,557, Cl. 570-177.000.

Kondo, Takeshi; Kawai, Toshikazu; and Ohno, Hideki, 4,876,404, Cl. 570-145.000.

Nishimura, Yasunobu; Kawai, Toshikazu; and Sugimoto, Yoshikazu, 4,808,746, Cl. 558-314.000.

Nishimura, Yasunobu; Gotoh, Yoshihiko; and Kawai, Toshikazu, 4,845,279, Cl. 562-438.000.

Nishimura, Yasunobu; and Kawai, Toshikazu, 4,876,382, Cl. 560-109.000.

Kawai, Yasuhiro: *See*—

Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,849,633, Cl. 250-327.200.

Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,868,387, Cl. 250-327.200.

Kawai, Yasuo; Yazawa, Kazunaga; Suegara, Nobuo; and Shimohata, Hirotaka, to Kabushiki Kaisya Advance Kaihatsu Kenkyujo. Hypocholesterolemically and/or hypotriglyceridemically active products and their use. 4,797,278, 1-10-89, Cl. 424-93.000.

Kawai, Yasuo; and Yazawa, Kazunaga, to Kabushiki Kaisya Advance Kaihatsu Kenkyujo. Hypocholesterolemically active protein derived from streptococcus. 4,812,441, 3-14-89, Cl. 514-2.000.

Kawai, Yasuo; and Oshida, Yoshiaki, to Kabushiki Kaisya Advance Kaihatsu Kenkyujo. Hypocholesterolemically active RNA fraction. 4,824,945, 4-25-89, Cl. 536-27.000.

Kawai, Yasuo; and Yazawa, Kazunaga, to Kabushiki Kaisya Advance Kaihatsu Kenkyujo. Hypocholesterolemically and/or hypotriglyceridemically active RNA fractions. 4,833,129, 5-23-89, Cl. 514-44.000.

Kawai, Yasuo: *See*—

Kato, Yuzo; and Kawai, Yasuo, 4,857,742, Cl. 250-491.100.

Nishimoto, Yoshifumi; Okunuki, Masahiko; Kariya, Takao; Kawai, Yasuo; and Atsuta, Akio, 4,830,498, Cl. 356-400.000.

Kawai, Yoichi; Udagawa, Takatoshi; Imakita, Takeshi; and Yokota, Sachio, to Mitsui Toatsu Chemicals, Inc. Polyolefin resin compositions. 4,885,162, 12-5-89, Cl. 424-83.000.

Kawai, Yoshihiko; Koyama, Kazuaki; and Yasuda, Isao, to Sanyo Electric Co., Ltd. Magnetic head. 4,807,075, 2-21-89, Cl. 360-125.000.

Kawai, Yoshihiko; Koyama, Kazuaki; and Yasuda, Isao, to Sanyo Electric Co. Ltd. Magnetic head incorporating a glass composition of barium oxide and phosphorous pentaoxide. 4,811,147, 3-7-89, Cl. 360-120.000.

Kawai, Yoshikane: *See*—

Kikuchi, Kenichi; Kawai, Yoshikane; Satou, Makoto; and Ida, Hakumi, 4,832,364, Cl. 280-690.000.

Kawai, Yoshio; Endo, Kazue; and Yoshimura, Makoto, to Kowa Kagaku Kogyo Kabushiki Kaishe. Apparatus for treatment of cancer with photodiode. 4,822,335, 4-18-89, Cl. 604-20.000.

Kawai, Yoshio: *See*—

Sugiyama, Kazuhiro; and Kawai, Yoshio, 4,801,768, Cl. 200-5.00A.

Kawai, Yoshito; Kishida, Akira; Yokoama, Shiroh; Yokoyama, Ichiro; and Yokoyama, Goudai, to Kawasaki Steel Corp.; and Miyachi Co., Ltd. Laser beam machining device. 4,806,724, 2-21-89, Cl. 219-121.680.

Kawaike, Kazuhiko: *See*—

Doi, Motomichi; Izushi, Minetoshi; Kawaike, Kazuhiko; and Ueshin, Masayuki, 4,878,820, Cl. 418-203.000.

Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihiro; Kondo, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, to Hitachi, Ltd. Semiconductor IC with dielectric groove isolation. 4,819,054, 4-4-89, Cl. 357-49.000.

Kawajiri, Junichi, to Bridgestone Corporation. Pneumatic radial tire for motocross. 4,799,523, 1-24-89, Cl. 152-535.000.

Kawajiri, Kazuhiro: *See*—

Sunagawa, Hiroshi; Kawajiri, Kazuhiro; Nozaki, Nobuharu; Ikeda, Yuichi; and Takahashi, Kenji, 4,816,679, Cl. 250-327.200.

Tabei, Masatoshi; and Kawajiri, Kazuhiro, 4,802,001, Cl. 358-48.000.

Tabei, Masatoshi; and Kawajiri, Kazuhiro, 4,814,865, Cl. 358-48.000.

Tabei, Masatoshi; and Kawajiri, Kazuhiro, 4,821,088, Cl. 358-48.000.

Kawajiri, Tatsuya; Onodera, Hideo; Uchida, Shinichi; Aoki, Yukio; and Wada, Masahiro, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Catalyst for oxidation of olefin or tertiary alcohol and process for production thereof. 4,873,217, 10-10-89, Cl. 502-311.000.

Kawajiri, Yoshiki: *See*—

Hori, Ryoichi; Itoh, Kiyoo; Kitsukawa, Goro; Kawajiri, Yoshiki; Watanabe, Takao; and Kawahara, Takayuki, 4,873,673, Cl. 365-230.060.

Itoh, Kiyoo; Kawajiri, Yoshiki; Kimura, Katsutaka; Hori, Ryoichi; and Etoh, Jun, 4,796,234, Cl. 365-227.000.

Watanabe, Takao; Kitukawa, Goro; Hori, Ryoichi; Itoh, Kiyoo; Kawajiri, Yoshiki; and Kawahara, Takayuki, 4,837,462, Cl. 307-446.000.

Kawakami, Akinori: *See*—

Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.

Kawakami, Chikahisa: *See*—

Suzuki, Tsuneo; Kawakami, Chikahisa; and Ohashi, Hiroshi, 4,809,427, Cl. 29-603.000.

Kawakami, Chikuni, to Fuji Photo Film Co., Ltd. Apparatus for copying modulated video signals from recording medium to recording medium including color and chroma correction. 4,827,357, 5-2-89, Cl. 358-310.000.

Kawakami, Chikuni; and Shimanuki, Koji, to Fuji Photo Film Co., Ltd. Magnetic record erase circuit. 4,864,435, 9-5-89, Cl. 360-66.000.

Kawakami, Eigo: *See*—

Baba, Takeshi; Suda, Shigeyuki; Nose, Noriyuki; Kawakami, Eigo; Nakajima, Toshiyuki; and Kushibiki, Nobuo, 4,802,746, Cl. 350-418.000.

Kawakami, Haruko; Sekizawa, Hidekazu; and Yamamoto, Naofumi, to Kabushiki Kaisha Toshiba. Method for recording a color image. 4,803,496, 2-7-89, Cl. 346-76.0PH.

Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, to Kabushiki Kaisha Kobe Seiko Sho. Production of a taper rod. 4,800,744, 1-31-89, Cl. 72-342.000.

Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, to Kabushiki Kaisha Kobe Seiko Sho. Coil of tapered wire. 4,801,106, 1-31-89, Cl. 242-159.000.

Kawakami, Hiroaki: *See*—

Hyou, Yoshihiko; Ikeda, Takeshi; Kanda, Hitoshi; Mori, Hiromi; Kawakami, Hiroaki; and Kobayashi, Kuniko, 4,816,366, Cl. 430-137.000.

Kawakami, Hiroshi; and Narita, Takato, to Sony Corporation. Color video and audio recording and/or reproducing apparatus. 4,805,035, 2-14-89, Cl. 358-310.000.

Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,833,118, 5-23-89, Cl. 503-208.000.

Kawakami, Hiroshi; Shiratori, Harunori; Sugihara, Koichi; Watanabe, Atsushi; and Kishida, Fumio, to Toyota Jidosha Kabushiki Kaisha. Power-assisted steering system. 4,858,713, 8-22-89, Cl. 180-143.000.

Kawakami, Hiroshi; and Igarashi, Akira, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,885,271, 12-5-89, Cl. 503-214.000.

Kawakami, Hiroshi; Igarashi, Akira; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Heat-sensitive recording materials. 4,888,321, 12-19-89, Cl. 503-208.000.

Kawakami, Hiroshi: *See*—

Nakamura, Keiichi; Honaga, Susumu; Suzuki, Mikio; and Kawakami, Hiroshi, 4,805,714, Cl. 180-141.000.

Yamashita, Masashi; Sugihara, Koichi; and Kawakami, Hiroshi, 4,860,842, Cl. 180-140.000.

Kawakami, Kanji: *See*—

Fukuoka, Hirotsugu; Kawakami, Kanji; Aihara, Makoto; Suda, Mitsuo; Takeshita, Kouji; and Isono, Yukihiro, 4,861,398, Cl. 156-64.000.

Kawakami, Katsura; Shimazaki, Shigeo; Takayama, Satoshi; and Onodera, Chika, to Matsushita Electric Industrial Co., Ltd. Image processing apparatus. 4,860,109, 8-22-89, Cl. 358-400.000.

Kawakami, Katsura: *See*—

Gurd, John R.; and Kawakami, Katsura, 4,860,250, Cl. 364-900.000.

Kawakami, Kazushi, to Tazmo Co., Ltd. Substrate coating equipment. 4,889,069, 12-26-89, Cl. 118-50.000.

Kawakami, Keiichi; Takabatake, Mitsuo; and Chiba, Jiro, to Asahi Glass Company Ltd. Composition for ceramic substrate and substrate. 4,883,705, 11-28-89, Cl. 428-209.000.

Kawakami, Kenji: *See*—

Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,843,510, Cl. 360-132.000.

Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,881,137, Cl. 360-96.500

Ohyama, Masao; Yamamoto, Yoshinori; Horikawa, Kenichi; and Kawakami, Kenji, 4,816,953, Cl. 360-132.000.

Kawakami, Kinya; and Muraki, Takao, to Yokohama Rubber Co., Ltd., The. Rubber compositions. 4,822,844, 4-18-89, Cl. 524-496.000.

Kawakami, Kinya: *See*—

Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoaki, 4,799,284, Cl. 15-230.120.

Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoaki, 4,800,611, Cl. 15-308.000.

Kawakami, Kiyotada: *See*—

Takuma, Masao; and Kawakami, Kiyotada, 4,833,541, Cl. 358-227.000.

Kawakami, Makoto: *See*—

Nakamura, Yasuyuki; Hashimoto, Adio; Fujita, Toshiaki; and Kawakami, Makoto, 4,826,736, Cl. 428-613.000.

Kawakami, Masamichi: *See*—

Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.

Kawakami, Masanobu: *See*—

Cerami, Anthony; and Kawakami, Masanobu, 4,822,776, Cl. 514-21.000.

Kawakami, Minoru: *See*—

Nakao, Toru; Kawakami, Minoru; Morimoto, Yasuto; Takehara, Shuzo; and Tahara, Tetsuya, 4,843,075, Cl. 514-248.000.

Nakao, Toru; Kawakami, Minoru; Obata, Minoru; and Morita, Kenji, 4,849,421, Cl. 514-248.000.

Kawakami, Moriatsu, to Laurel Bank Machines Co., Ltd. Bill discriminating device. 4,823,393, 4-18-89, Cl. 382-7.000.

Kawakami, Moriatsu: *See*—

Uchida, Shinya; Kohzu, Kazuya; Fujii, Kiyoshi; and Kawakami, Moriatsu, 4,881,268, Cl. 382-7.000.

Kawakami, Seiho: *See*—

Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.

Kawakami, Setsuo: *See*—

Nakai, Kozo; Hori, Shinji; Mori, Kinji; Kawano, Katsumi; Kasashima, Hirokazu; and Kawakami, Setsuo, 4,831,512, Cl. 364-200.000.

Kawakami, Shigenobu; Endo, Keiji; Dohi, Hideyuki; and Sato, Atsushi, to Nippon Petrochemicals Company, Limited. Novel method for refining electrical insulating oil. 4,802,058, 1-31-89, Cl. 361-315.000.

Kawakami, Shigenobu: *See*—

Orikasa, Yuichi; Kojima, Shinji; Inoue, Takashi; Sato, Atsushi; Kawakami, Shigenobu; and Yamamoto, Kaoru, 4,804,729, Cl. 526-336.000.

Sato, Atsushi; Endo, Keiji; Kawakami, Shigenobu; Matsuzaka, Eiichi; and Narui, Satoshi, 4,803,238, Cl. 524-486.000.

Sato, Atsushi; Kawakami, Shigenobu; Endo, Keiji; and Dohi, Hideyuki, 4,870,221, Cl. 585-6.300.

Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, to Nippon CMK Corp. Printed wiring board. 4,859,805, 8-22-89, Cl. 174-68.500.

Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, to Nippon CMK Corp. Printed circuit board. 4,885,431, 12-5-89, Cl. 174-68.500.

Kawakami, Shin: *See*—

Machida, Hideo; Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,806,706, Cl. 174-68.500.

Kawakami, Shinji: *See*—

Misawa, Makoto; Kawakami, Shinji; and Hanada, Ryoji, 4,819,704, Cl. 152-209.00R.

Kawakami, Soichiro: *See*—

Nakagawa, Katsumi; Kawakami, Soichiro; Gofuku, Ihachiro; Hatanaka, Katsunori; Fukaya, Masaki; and Komatsu, Toshiyuki, 4,845,355, Cl. 250-211.00J.

Kawakami, Suguru: *See*—

Hikita, Sadayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,821,175, Cl. 364-200.000.

Hikita, Sakayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,811,207, Cl. 364-200.000.

Kawakami, Takamasa: *See*—

Izaki, Kansei; Kawakami, Takamasa; Hakkei, Kouichi; and Ando, Kazuhiro, 4,800,182, Cl. 501-92.000.

Kawakami, Takeshi: *See*—

Iwabuchi, Tadashi; and Kawakami, Takeshi, 4,836,769, Cl. 428-377.000.

Kawakami, Toshikazu: *See*—

Tanaka, Yoshiaki; Tanaka, Yashihiro; Kawakami, Toshikazu; and Yamagata, Tetsuo, 4,878,045, Cl. 340-556.000.

Kawakami, Toshiro, to Aisin Seiki Kabushiki Kaisha. Roots blower. 4,813,857, 3-21-89, Cl. 418-104.000.

Kawakami, Yasushi: *See*—

Shibata, Shinya; Hokusho, Takayasu; Tsunoda, Masakazu; and Kawakami, Yasushi, 4,823,140, Cl. 343-713.000.

Kawakami, Yoshihiko; Hamada, Yoshitsugu; Takahashi, Takeshi; and Yotsuyanagi, Junji, to Showa Denko Kabushiki Kaisha. Cover for a can-shaped container. 4,828,135, 5-9-89, Cl. 220-270.000.

Kawakami, Yoshiyuki, to Kabushiki Kaisha Toshiba. Printing head for a wire dot-matrix printer. 4,832,515, 5-23-89, Cl. 400-124.000.

Kawakami, Youichi, to Mitsubishi Denki Kabushiki Kaisha. Radar transponder. 4,885,588, 12-5-89, Cl. 342-51.000.

Kawakami, Yuichi: *See*—

Nishitani, Takao; and Kawakami, Yuichi, 4,811,268, Cl. 364-745.000.

Kawakami, Yuji: *See*—

Mori, Masaharu; Ueno, Hideo; Yamakawa, Kiyoshi; Kawakami, Yuji; and Sasaki, Ryoichi, 4,834,566, Cl. 400-697.000.

Kawakami, Yukichika; Iwasaki, Takao; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Highly crystallized molded polyarylene thioether and process for producing it. 4,810,566, 3-7-89, Cl. 428-220.000.

Kawakatsu, Akira, to Kabushiki Kaisha Toshiba. Reflection mirror for reflecting visible rays and for transmitting infrared rays from light source. 4,850,661, 7-25-89, Cl. 350-1.600.

Kawakatsu, Akira; Karino, Toshio; and Yuge, Yooji, to Kabushiki Kaisha Toshiba. Light diffusive coating, a method of forming the coating and a lamp having the coating. 4,869,927, 9-26-89, Cl. 427-106.000.

Kawakatsu, Akira, to Oki Electric Industry Co., Ltd. Method of fabricating a bipolar transistor. 4,873,200, 10-10-89, Cl. 437-31.000.

Kawakatsu, Ichiro: *See—*
Kawakatsui Ichiro, 4,830,826, Cl. 420-532.000.

Kawakatsu, Satoshi: *See—*
Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.
Ito, Tsukasa; Kawakatsu, Satoshi; Onishi, Akira; and Ishikawa, Masayo, 4,868,106, Cl. 435-7.000.

Kawakatsui Ichiro, to Matsuo Kogyo Kabushiki Kaisha; and Kawakatsu, Ichiro. Process of manufacturing high-strength high-elasticity aluminum alloys. 4,830,826, 5-16-89, Cl. 420-532.000.

Kawaken Fine Chemicals Co., Ltd.: *See—*
Saito, Hisashi; Ohnaka, Shinji; and Fukuda, Shigeo, 4,843,173, Cl. 562-531.000.

Kawaki, Takao; Kijima, Yasuhiko; Miyauchi, Yuh; Ukita, Eizi; Nakajima, Toru; and Masumoto, Mituhiko, to Mitsubishi Gas Chemical Co., Ltd. Molding material for optics. 4,888,401, 12-19-89, Cl. 525-468.000.

Kawaki, Takao: *See—*
Sugio, Akitoshi; Kawaki, Takao; Kobayashi, Makoto; Hayashi, Katsushige; and Watanabe, Masahito, 4,861,854, Cl. 528-125.000.

Kawakita, Hiroaki: *See—*
Takei, Terutaka; Morita, Shigeru; and Kawakita, Hiroaki, 4,887,686, Cl. 180-211.000.

Kawakita, Kenji: *See—*
Hiyama, Kunio; Kawakita, Kenji; and Takada, Osamu, 4,855,995, Cl. 370-86.000.
Sasaki, Hisao; Terada, Matsuaki; Matsui, Susumu; Kawakita, Kenji; Kashio, Jiro; Baba, Shiro; Akao, Yasushi; and Okochi, Toshio, 4,881,167, Cl. 364-200.000.
Takemoto, Toyoki; Kawakita, Kenji; and Sakai, Hiroyuki, 4,814,287, Cl. 437-62.000.

Kawakita, Kiyoshi: *See—*
Hibino, Eiichi; Kawakita, Kiyoshi; Yamamoto, Takami; Kinoshita, Kazunori; and Takase, Shigeki, 4,841,414, Cl. 361-424.000.

Kawakita, Takao: *See—*
Murai, Teruyuki; Hashimoto, Yoshihiro; and Kawakita, Takao, 4,866,888, Cl. 51-401.000.

Kawakita, Tsunehiro: *See—*
Imajo, Minoru; and Kawakita, Tsunehiro, 4,839,831, Cl. 364-550.000.

Kawakubo, Fumio; Yukimoto, Sadao; and Homma, Michihide, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Curable composition. 4,837,274, 6-6-89, Cl. 525-100.000.

Kawakubo, Kazuo: *See—*
Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, Katsushi; Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, Yoshikuni; Kasamura, Toshirou; and Honma, Toshio, 4,845,528, Cl. 355-210.000.

Kawakubo, Takamasa; and Koyama, Takao, to Mitsubishi Pencil Co., Ltd. Process for producing carbon heat generator. 4,863,649, 9-5-89, Cl. 264-29.600.

Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, Yoshihisa, to Mitsubishi Pencil Co., Ltd. Process for producing hard carbonaceous sheets. 4,882,102, 11-21-89, Cl. 264-29.300.

Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, Yoshihisa, to Mitsubishi Pencil Co., Ltd. Process for producing carbon product having coarse and dense structure. 4,882,103, 11-21-89, Cl. 264-29.500.

Kawamata, Seiji, to Ikegami Tsushinki Co., Ltd. Color television signal transmission system and improved-definition receiver for use in the system. 4,870,481, 9-26-89, Cl. 358-31.000.

Kawamata, Shigeya, to Mitsubishi Jukogyo Kabushiki Kaisha. Liquid type mass damper with elongated discharge tube. 4,872,649, 10-10-89, Cl. 267-136.000.

Kawamata, Syooichi: *See—*
Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.
Takahashi, Tadashi; Yamashita, Seizi; Miyashita, Kunio; and Kawamata, Syooichi, 4,818,939, Cl. 324-208.000.

Kawamata, Syozo: *See—*
Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Kora, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, 4,820,775, Cl. 525-247.000.

Kawamata, Yoshio; and Iwai, Kiyoshi, to Showa Sangyo Co., Ltd. Apparatus for extracting fats and oils. 4,857,279, 8-15-89, Cl. 422-268.000.

Kawamata, Yoshio, to Hitachi, Ltd. Raster operation device. 4,868,553, 9-19-89, Cl. 340-731.000.

Kawami, Shigeru; Tabu, Takashi; Sano, Shigeo; and Masuda, Nobuyuki, to Fujitsu Limited. Battery-feed circuit for exchange. 4,872,199, 10-3-89, Cl. 379-413.000.

Kawamma, Kouichi; Abe, Yukio; Higashi, Tatsuji; and Aotani, Yoshimasa, to Fuji Photo Film Co., Ltd. Light-sensitive composition. 4,837,128, 6-6-89, Cl. 430-281.000.

Kawamorita, Yoichi: *See—*
Hiro, Masaaki; Nakagawa, Masaru; Kawamorita, Yoichi; and Yamazaki, Koji, 4,860,898, Cl. 206-455.000.
Hiro, Masaaki; Kimura, Tomohiro; Yoshihara, Toshiyuki; Kawamorita, Yoichi; and Nakagawa, Masaru, 4,863,823, Cl. 430-58.000.

Kawamoto, Galen H.: *See—*
Yau, Leopoldo D.; and Kawamoto, Galen H., 4,837,185, Cl. 437-228.000.

Kawamoto, Haruki: *See—*
Hagikura, Hirofumi; and Kawamoto, Haruki, 4,878,001, Cl. 318-446.000.

Kawamoto, Hideo: *See—*
Kanaguchi, Masahiro; and Kawamoto, Hideo, 4,887,775, Cl. 242-68.100.
Kawada, Hideaki; and Kawamoto, Hideo, 4,814,923, Cl. 360-132.000.

Kawamoto, Hiroshi: *See—*
Okamura, Hisashi; and Kawamoto, Hiroshi, 4,828,974, Cl. 430-623.000.
Sato, Katsuyuki; Kawamoto, Hiroshi; and Yanagisawa, Kazumasa, 4,839,865, Cl. 365-201.000.
Shimohigashi, Katsuhiro; Masuda, Hiroo; Ikuzaki, Kunihiko; and Kawamoto, Hiroshi, 4,860,255, Cl. 365-189.000.
Shinoda, Takashi; Sakai, Kikuo; Ogata, Masahiro; Kawamoto, Hiroshi; Onishi, Yoshiaki, deceased; and Onishi, Junko, administratrix, 4,839,860, Cl. 365-104.000.

Kawamoto, Hiroyuki: *See—*
Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hatori, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.
Yokoi, Kazuaki; Yamada, Toshihiro; and Kawamoto, Hiroyuki, 4,795,686, Cl. 429-104.000.

Kawamoto Industrial Co., Ltd.: *See—*
Hiraki, Toshitsuyo, 4,794,679, Cl. 28-181.000.

Kawamoto, Isao: *See—*
Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Kasuhiko, Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, 4,868,159, Cl. 514-25.000.

Kawamoto, Keiji: *See—*
Minami, Syuji; Kawamoto, Keiji; Kasai, Tetsuji; Kuroiwa, Toshiaki; and Todo, Akira, 4,874,808, Cl. 524-291.000.

Kawamoto, Kenichi: *See—*
Kato, Masatake; Shiraishi, Akihiko; and Kawamoto, Kenichi, 4,833,498, Cl. 354-410.000.
Shiraishi, Akihiko; Kato, Masatake; and Kawamoto, Kenichi, 4,855,814, Cl. 358-29.000.

Kawamoto, Kinji: *See—*
Tsukamoto, Masao; Kawamoto, Kinji; and Uya, Masaru, 4,815,352, Cl. 84-1.010.

Kawamoto, Kunio: *See—*
Hatayama, Takayoshi; and Kawamoto, Kunio, 4,850,237, Cl. 74-462.000.

Kawamoto, Masaichi. Lagging-reinforced structure. 4,855,174, 8-8-89, Cl. 428-67.000.

Kawamoto, Masao, to Nippon Furnace Kogyo Kaisha Ltd. Radiant tube burner. 4,856,492, 8-15-89, Cl. 126-91.00A.

Kawamoto, Masao, to Nippon Furnace Kogyo Kaisha, Ltd. Radiant tube burner. 4,870,947, 10-3-89, Cl. 126-91.00A.

Kawamoto, Masuo: *See—*
Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, 4,814,833, Cl. 355-75.000.

Kawamoto, Michio; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Uno, Yasuhiro, to Honda Giken Kogyo Kabushiki Kaisha. Valve timing control device for use in internal combustion engine. 4,862,846, 9-5-89, Cl. 123-90 110.

Kawamoto, Mineo: *See—*
Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Tadokoro, Akio; Toba, Ritsuji; and Yoshimura, Toyofusa, 4,865,888, Cl. 427-443.100.
Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Tadokoro, Akio; and Yoshimura, Toyofusa, 4,876,177, Cl. 430-313.000.
Ozaki, Kiyoshi; Mori, Atsushi; Tsuda, Hideo; Kawamoto, Mineo; Murakami, Kanji; and Wajima, Motoyo, 4,820,549, Cl. 427-98.000.

Kawamoto, Mutsumi: *See—*
Iwatsuki, Tatsuya; Kawamoto, Mutsumi; and Kano, Takeshi, 4,862,768, Cl. 74-701.000.

Kawamoto, Mutumi; Yamada, Takashi; and Tatuta, Mitugu, to Aisin Warner Kabushiki Kaisha; and Kabushiki Kaisha Shinsangyokaihatsu. Four-wheel drive vehicle having antislip apparatus. 4,866,625, 9-12-89, Cl. 364-426.020.

Kawamoto, Ryuichi; Sakakibara, Shigeru; Wakahara, Kazuyuki; and Nebashi, Ikutoshi, to Inax Corporation; and Chubo Electric Power Co., Inc. Shower system. 4,869,427, 9-26-89, Cl. 236-12.120.

Kawamoto, Ryuici: *See—*
Sakakibara, Shigeru; and Kawamoto, Ryuici, 4,833,798, Cl. 4-524.000.

Kawamoto, Seiji: *See—*
Kamada, Keiichi; Kawamoto, Seiji; Yaegashi, Makoto; and Shiraishi, Shiro, 4,818,525, Cl. 424-81.000.

Kawamoto, Takamichi: *See—*
Ebata, Yoshihiro; Kouyama, Masanori; Tamari, Nobuyuki; and Kawamoto, Takamichi, 4,857,486, Cl. 501-21.000.

Kawamoto, Tetsumi: *See—*
Wakabayashi, Shuichi; Kawamoto, Tetsumi; Yamada, Toshiyuki; and Murayama, Yuko, 4,809,343, Cl. 382-27.000.

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Muroi, Tetsuya; Yasuda, Seigou; Kawamoto, Toshiki; and Fujimoto, Junichiroh, 4,833,713, Cl. 381-43.000.

Kawamoto, Yoshifumi: *See—*
Kaga, Toru; Kimura, Shinichiro; Kure, Tokuo; Kawamoto, Yoshifumi; and Sunami, Hideo, 4,873,203, Cl. 437-67.000.
Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshihiko; Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ichiro; Kaga, Toru; and Kure, Tokuo, 4,882,289, Cl. 437-52.000.
Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamoto, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Moriwaki, Nobuyuki; and Meguro, Satoshi, 4,853,894, Cl. 365-154.000.

Kawamoto, Yoshimichi: *See—*
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Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,823,898, Cl. 180-140.000.
Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,828,063, Cl. 180-140.000.
Yasuda, Toru; Kawamoto, Yoshimichi; Abe, Masaru; and Kohata, Takashi, 4,853,672, Cl. 340-465.000.

Kawamura, Akihisa: *See—*
Ishikawa, Seiichi; Matsumoto, Masahara; Satoh, Katsuaki; and Kawamura, Akihisa, 4,888,808, Cl. 351-103.000.

Kawamura, Akio: *See—*
Kasai, Yoichi, deceased; Kawamura, Akio; Nakanishi, Yoshimi; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, 4,883,452, Cl. 600-36.000.

Kawamura, Chiaki: *See—*
Kakuda, Masatoshi; Kawamura, Chiaki; and Baba, Hiroshi, 4,831,475, Cl. 360-97.030.

Kawamura Electric Industry Co., Ltd.: *See—*
Yokoyama, Makoto, 4,827,256, Cl. 340-825.070.

Kawamura Glass Manufacturing Co., Ltd.: *See—*
Kawamura, Morio, 4,849,003, Cl. 65-106.000.

Kawamura, Hideaki; and Takao, Sasaki, to Fanuc Ltd. Automatic programming system. 4,814,999, 3-21-89, Cl. 364-474.200.

Kawamura, Hideaki; Sasaki, Takao; and Matsumura, Teruyuki, to Fanuc Ltd. Method of revising NC program for four-axis lathes. 4,821,201, 4-11-89, Cl. 364-474.200.

Kawamura, Hideaki; and Otsuki, Toshiaki, to Fanuc Ltd. Interface unit for converting format. 4,827,446, 5-2-89, Cl. 364-900.000.

Kawamura, Hideaki; and Otsuki, Toshiaki, to Fanuc Ltd. Data input-/output system for application system in numerical control equipment. 4,837,684, 6-6-89, Cl. 364-474.110.

Kawamura, Hideaki; Matsumura, Teruyuki; and Mineshige, Takahiko, to Fanuc Ltd. NC data creation method. 4,855,898, 8-8-89, Cl. 364-194.000.

Kawamura, Hideaki; and Sasaki, Takao, to Fanuc Ltd. Numerical control unit. 4,862,380, 8-29-89, Cl. 364-474.110.

Kawamura, Hideo; and Tamai, Katsuyuki, to Isuzu Motors Limited. Energy recovery apparatus for turbo compound engine. 4,798,257, 1-17-89, Cl. 180-165.000.

Kawamura, Hideo; and Tamai, Katsuyuki, to Isuzu Motors Limited. Electric generator for use in turbocharger. 4,827,170, 5-2-89, Cl. 310-156.000.

Kawamura, Hideo; Tamai, Katsuyuki; Saito, Shigeki; and Yamanaka, Toshihiro, to Isuzu Motors Limited; and Hitachi, Ltd. Auxiliary apparatus for a turbocharged internal combustion engine. 4,833,887, 5-30-89, Cl. 60-608.000.

Kawamura, Hideo, to Isuzu Motors Limited. Device for controlling heater for motor vehicle. 4,836,444, 6-6-89, Cl. 237-2.00A.

Kawamura, Hideo; and Matsuoka, Hiroshi, to Isuzu Motors Limited. Heat-insulating engine structure and method of manufacturing the same. 4,838,235, 6-13-89, Cl. 123-668.000.

Kawamura, Hideo; and Matsuoka, Hiroshi, to Isuzu Motors Limited. Heat-insulating piston structure. 4,848,291, 7-18-89, Cl. 123-193.00P.

Kawamura, Hideo, to Izusu Motors, Ltd. Control system for turbocharger with rotary electric machine. 4,850,193, 7-25-89, Cl. 60-608.000.

Kawamura, Hideo, to Isuzu Motors Limited. Control system for quick heater. 4,858,825, 8-22-89, Cl. 237-2.00A.

Kawamura, Hideo; and Fukao, Tadashi, to Isuzu Motors Limited. Generator device. 4,864,174, 9-5-89, Cl. 310-156.000.

Kawamura, Hideo, to Isuzu Motors Limited. Heat insulating engine. 4,864,987, 9-12-89, Cl. 123-193.0CP.

Kawamura, Hideo, to Isuzu Motors Limited. Vehicle heating container apparatus. 4,871,113, 10-3-89, Cl. 237-2.00A.

Kawamura, Hideo, to Isuzu Motors Limited. Device for controlling turbocharger with electric rotary machine. 4,878,347, 11-7-89, Cl. 60-608.000.

Kawamura, Hideo, to Isuzu Motors Limited. Device for controlling turbocharger with electric rotary machine. 4,882,905, 11-28-89, Cl. 60-608.000.

Kawamura, Hideo, to Isuzu Motors Limited. Turbocharger. 4,884,406, 12-5-89, Cl. 60-605.300.

Kawamura, Hideo, to Isuzu Motors Limited. Exhaust energy recovery apparatus for engine. 4,886,978, 12-12-89, Cl. 290-52.000.

Kawamura, Hiroaki; Matsubara, Masanobu; Yoshioka, Osamu; and Inui, Tsuneo, to Toyo Kohan Co., Ltd. Surface treated steel sheet for welded can material. 4,816,348, 3-28-89, Cl. 428-629.000.

Kawamura, Hiroaki: *See—*
Kondo, Hitoshi; Kawamura, Hiroaki; Inagawa, Konosuke; Abe, Tetsuya; and Murakami, Yoshio, 4,844,323, Cl. 228-121.000.

Kawamura, Hironobu: *See—*
Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.

Kawamura, Hiroshi: *See—*
Watanabe, Yoshimi; Kawamura, Hiroshi; and Sohda, Chiharu, 4,802,871, Cl. 440-75.000.

Kawamura, Hirotaka; Ohtsu, Norio; and Utiumi, Shinichiro, to Ube Industries, Ltd. Method for stabilizing aqueous phosphoenolpyruvic acid solution. 4,889,943, 12-26-89, Cl. 558-71.000.

Kawamura, Hirotaka: *See—*
Hamasaki, Naotaka; Kawamura, Hirotaka; Ohtsu, Norio; Nakakoshi, Ichiro; Ataka, Kikuo; Oomori, Kiyosi; and Kouno, Masahiko, 4,874,882, Cl. 558-131.000.

Kawamura, Hirotoshi: *See—*
Yashiro, Hirokatsu; Ohno, Jiro; Matsuo, Yoshiteru; Nishikawa, Hiroshi; Yui, Katsuhiko; and Kawamura, Hirotoshi, 4,843,894, Cl. 73-865.500.

Kawamura, Hiroyuki: *See—*
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Kawamura, Hisato: *See—*
Ikeda, Hayato; Ohta, Kazuhiro; and Kawamura, Hisato, 4,880,361, Cl. 417-269.000.
Ikeda, Hayato; Kawamura, Hisato; and Ishihara, Shinichi, 4,886,424, Cl. 417-269.000.

Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, to Matsushita Electric Industrial Co., Ltd. Recording disc playback apparatus. 4,802,155, 1-31-89, Cl. 369-77.200.

Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, to Matsushita Electric Industrial Co., Ltd. Recording disc playback apparatus. 4,807,216, 2-21-89, Cl. 369-77.200.

Kawamura Institute of Chemical Res.: *See—*
Takehara, Sadao; Fujisawa, Toru; Arai, Yoshi; and Kurokawa, Jitsuo, 4,828,754, Cl. 252-299.650.

Kawamura, Jo: *See—*
Furukawa, Hisao; and Kawamura, Jo, 4,810,767, Cl. 526-279.000.

Kawamura, Katsumi: *See—*
Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.
Suzuki, Masami; Nishida, Hiroshi; Suzuki, Tomio; Kawamura, Katsumi; and Takahashi, Tsuyoshi, 4,812,934, Cl. 360-106.000.

Kawamura, Kazunori, to Hoya Corporation. Process for producing optical article having anti-reflection film. 4,855,180, 8-8-89, Cl. 428-328.000.

Kawamura, Kazushige, to Fuji Photo Film Co., Ltd. Image signal processing method and apparatus. 4,876,734, 10-24-89, Cl. 382-54.000.

Kawamura, Ken: *See—*
Shirai, Koji; and Kawamura, Ken, 4,878,096, Cl. 357-42.000.

Kawamura, Kimihide: *See—*
Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.

Kawamura, Kiyoshi: *See—*
Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.

Kawamura, Koichi: *See—*
Koike, Mitsuru; and Kawamura, Koichi, 4,810,618, Cl. 430-281.000.

Kawamura, Kouichi: *See—*
Higashi, Tatsuji; Kawamura, Kouichi; and Abe, Yukio, 4,826,753, Cl. 430-281.000.

Kawamura, Kunio; Taniguchi, Toshihiko; Oya, Tetsuro; Niwa, Masatake; Nakai, Masaaki; and Fujino, Akihiko, to Minolta Camera Kabushiki Kaisha. Camera. 4,853,726, 8-1-89, Cl. 354-289.100.

Kawamura, Kunio: *See—*
Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujino, Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamura, Kunio, 4,855,779, Cl. 354-412.000.
Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihiko; Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masatake, 4,847,651, Cl. 354-471.000.

Kawamura, Masaharu; Harada, Yoshihito; Kobayashi, Ryuichi; Suzuki, Masayuki; Ohara, Tsunemasa; and Tosaka, Yoichi, to Canon Kabushiki Kaisha. Camera. 4,799,074, 1-17-89, Cl. 354-173.100.

Kawamura, Masaharu, to Canon Kabushiki Kaisha. Auto-bracket device for camera. 4,812,870, 3-14-89, Cl. 354-412.000.

Kawamura, Masaharu; Sakurada, Nobuaki; Murakami, Hiroyasu; Shinoda, Nobuhiki; and Ito, Tadashi, to Canon Kabushiki Kaisha. Shutter speed display device for a camera. 4,821,056, 4-11-89, Cl. 354-289.100.

Kawamura, Masaharu, to Canon Kabushiki Kaisha. Information set device for camera. 4,837,596, 6-6-89, Cl. 354-442.000.

Kawamura, Masaharu, to Canon Kabushiki Kaisha. Auto-bracket device for camera. 4,862,205, 8-29-89, Cl. 354-412.000.

- Kawamura, Masaharu: *See*—
  - Amano, Kenichiro; Kiuchi, Masayoshi; Harada, Yoshihito; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,849,780, Cl. 354-289.120.
  - Harada, Yoshihito; Kiuchi, Masayoshi; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,868,598, Cl. 354-472.000.
  - Kobayashi, Ryuichi; Harada, Yoshihito; Kawamura, Masaharu; Kataoka, Hiroyuki; and Kumakura, Toshiyuki, 4,806,963, Cl. 354-415.000.
- Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teruo; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, to Dainippon Ink and Chemicals, Inc.; and Takara Shuzo Co., Ltd. Novel restriction endonuclease SplI and process for the production of the same. 4,886,756, 12-12-89, Cl. 435-199.000.
- Kawamura, Masahiko, to Kabushiki Kaisha Toshiba. Semiconductor integrated circuit devices and methods for testing same. 4,881,029, 11-14-89, Cl. 324-158.00R.
- Kawamura, Masahiko: *See*—
  - Takahashi, Akira; Kamimura, Testuro; Kawamura, Masahiko; Morikawa, Kiyoshi; and Onishi, Sei, 4,841,499, Cl. 369-38.000.
- Kawamura, Masahiro: *See*—
  - Tsuru, Yoshiyuki; Okamura, Toshiro; Okishima, Tetsuya; Ikeda, Masayoshi; and Kawamura, Masahiro, 4,842,899, Cl. 427-309.000.
- Kawamura, Masahisa: *See*—
  - Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, 4,856,277, Cl. 60-422.000.
  - Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, 4,866,936, Cl. 60-422.000.
- Kawamura, Masanori; and Kawai, Takashi, to Toyotomi Kogyo Co., Ltd. Combustion cylinder structure for oil burner. 4,846,672, 7-11-89, Cl. 431-201.000.
- Kawamura, Masanori: *See*—
  - Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mohri, Tetsuya; Hayashi, Masaki; Terashima, Hiroshi; Hirata, Fumio; and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.
- Kawamura, Masao; and Usui, Minoru. Apparatus and method for driving signal electrodes for liquid crystal display devices. 4,859,998, 8-22-89, Cl. 340-784.000.
- Kawamura, Masao: *See*—
  - Kato, Kunioki; Kawamura, Masao; Goda, Hiroshi; Sawada, Kiyoshi; and Hamatani, Kazuhiro, 4,853,158, Cl. 562-46.000
  - Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihisa; Kuroda, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, 4,819,054, Cl. 357-49.000.
  - Onoe, Akira; Kawamura, Masao; Kato, Kunioki; Yoshikawa, Masato; and Kagano, Hirokazu, 4,849,138, Cl. 562-125.000.
  - Suzuki, Michio; Kawamura, Masao; Kato, Kunioki; Takahashi, Masahide; Morishita, Tsuyoshi; Nakayama, Kazuyuki; and Nakatsuka, Akio, 4,835,317, Cl. 568-66.000.
  - Uchida, Akihisa; Okada, Daisuke; Takakura, Toshihiko; Ogiue, Katsumi; Tamaki, Yoichi; and Kawamura, Masao, 4,853,343, Cl. 437-33.000.
- Kawamura, Masataka; and Shimatani, Toshimichi, to Iwatsu Electric Co., Ltd. Time division multiplex data transmission method and apparatus. 4,805,165, 2-14-89, Cl. 370-84.000.
- Kawamura, Masataka: *See*—
  - Shibato, Kishio; and Kawamura, Masataka, 4,879,337, Cl. 524-504.000.
- Kawamura, Masunori: *See*—
  - Ichihashi, Tadashi; and Kawamura, Masunori, 4,838,683, Cl. 351-221.000.
  - Ichihashi, Tadashi; Kakizawa, Koichiro; and Kawamura, Masunori, 4,854,693, Cl. 351-221.000.
  - Ichihashi, Tadashi; and Kawamura, Masunori, 4,877,321, Cl. 351-214.000.
  - Ishikawa, Muneharu; Akiyama, Kouichi; Ito, Eiichi; Kawamura, Masunori; and Fujita, Akihiro, 4,830,494, Cl. 356-336.000.
- Kawamura, Minoru, to Sanshin Kogyo Kabushiki Kaisha. Remote control system for marine engine. 4,810,216, 3-7-89, Cl. 440-2.000.
- Kawamura, Minoru; and Inoue, Seiji, to Sanshin Kogyo Kabushiki Kaisha. Remote control system for marine engine. 4,817,466, 4-4-89, Cl. 74-858.000.
- Kawamura, Mitsuyoshi: *See*—
  - Akao, Shigeaki; Kawamura, Mitsuyoshi; and Kojima, Takio, 4,796,517, Cl. 92-187.000.
  - Akao, Shigeaki; Ishida, Noboru; and Kawamura, Mitsuyoshi, 4,872,431, Cl. 123-188.0AA.
  - Matsuura, Tooru; Ishida, Noboru; and Kawamura, Mitsuyoshi, 4,796,576, Cl. 123-90.430.
  - Narita, Yoshinori; and Kawamura, Mitsuyoshi, 4,873,952, Cl. 123-270.000.
  - Sato, Yasushi; Nagasaki, Shigeru; Taniguchi, Masato; Kagawa, Junichi; and Kawamura, Mitsuyoshi, 4,838,218, Cl. 123-188.0AA.
  - Taniguchi, Masato; Kawamura, Mitsuyoshi; Ishida, Noboru; and Ito, Masaya, 4,841,922, Cl. 123-90.510.
- Kawamura, Morio, to Kawamura Glass Manufacturing Co., Ltd. Glass-made lid for a cooking pan and the like and a method of manufacture thereof. 4,849,003, 7-18-89, Cl. 65-106.000.
- Kawamura, Munesaburo, to Kawamuraseichukogyo Co., Ltd. Chalk liner for sewing. 4,806,039, 2-21-89, Cl. 401-208.000.
- Kawamura, Naoto; and Enokida, Miyuki, to Canon Kabushiki Kaisha. Image processing method and apparatus therefor. 4,850,028, 7-18-89, Cl. 382-46.000.
- Kawamura, Naoto; Kitamura, Takashi; Ohta, Shinichi; and Nishigaki, Yuji, to Canon Kabushiki Kaisha. Dual beam recorder. 4,864,326, 9-5-89, Cl. 346-108.000.
- Kawamura, Naoto: *See*—
  - Dei, Katsuhito; Mita, Yoshinobu; Yoshida, Tadashi; and Kawamura, Naoto, 4,805,013, Cl. 358-80.000.
  - Nishigaki, Yuji; and Kawamura, Naoto, 4,870,483, Cl. 358-44.000.
  - Takahashi, Tohru; Kitajima, Nobuo; and Kawamura, Naoto, 4,853,752, Cl. 355-77.000.
- Kawamura, Norimasa: *See*—
  - Makihara, Novuo; Ono, Hiroshi; and Kawamura, Norimasa, 4,878,865, Cl. 440-66.000.
- Kawamura, Osamu: *See*—
  - Nakamura, Yoshikatsu; Kawamura, Osamu; and Shimomura, Souchi, 4,870,931, Cl. 123-90.390.
- Kawamura, Sadao; Iwashita, Kanau; Fuse, Tomeo; Kawahara, Shuichi; Sataka, Naoyuki; and Ito, Hidekuni. Valve structure for telescopic hydraulic damper. 4,834,223, 5-30-89, Cl. 188-282.000.
- Kawamura, Satoshi: *See*—
  - Miyazawa, Shyoichi; Kawamura, Satoshi; Tohyama, Shoichiro; Ishibashi, Akira; Kato, Kazutoshi; and Ideda, Junichi, 4,809,091, Cl. 360-48.000.
- Kawamura, Shigeharu; Obata, Yoshiharu; Fujimoto, Yuichi; and Kabashima, Kinya, to Kabushiki Kaisha Toshiba. Coupling means for aligning fiber optic bundles between X-ray image intensifier and image pickup tube. 4,825,067, 4-25-89, Cl. 250-213.0VT.
- Kawamura, Shin-ichi: *See*—
  - Kamitake, Takashi; Mizutani, Hiroyuki; and Kawamura, Shin-ichi, 4,862,501, Cl. 380-50.000.
- Kawamura, Shinichi; Sanemitsu, Yuzuru; Hamada, Tatsuhiro; and Yoshida, Ryo, to Sumitomo Chemical Company, Ltd. 4-substituted-2,6-diphenylpyridine compounds and herbicide containing the same as an active ingredient. 4,849,011, 7-18-89, Cl. 71-94.000.
- Kawamura, Shin'ichi: *See*—
  - Koshiba, Mitsunobu; Yamada, Keiichi; Harita, Yoshiyuki; Kawamura, Shin'ichi; and Furuto, Yuuji, 4,886,565, Cl. 156-345.000.
- Kawamura, Shinobu; and Nagai, Tadao, to TEAC Corporation. Erasing of information signal from an optical disk. 4,866,541, 9-12-89, Cl. 358-342.000.
- Kawamura, Shoichiro; Nakao, Tadashi; and Nozaka, Kenichi, to Kubota Ltd. Apparatus for controlling posture of work implement of loader. 4,825,568, 5-2-89, Cl. 37-118.00R.
- Kawamura, Shoji: *See*—
  - Ishimaru, Toshiaki; Kawamura, Shoji; and Matsutani, Shuji, 4,851,869, Cl. 354-195.100.
- Kawamura, Shuzo; and Inada, Kenichi, to Murata Kikai Kabushiki Kaisha. Winding-form inspecting apparatus for wound-yarn packages. 4,866,289, 9-12-89, Cl. 250-572.000.
- Kawamura, Shuzo, to Murata Kikai Kabushiki Kaisha. Package inspecting apparatus. 4,877,967, 10-31-89, Cl. 250-461.100.
- Kawamura, Shuzo; and Hirai, Yukio, to Murata Kikai Kabushiki Kaisha. Package support apparatus for automatic winder. 4,880,174, 11-14-89, Cl. 242-18.0DD.
- Kawamura, Shuzo: *See*—
  - Ueda, Yutaka; and Kawamura, Shuzo, 4,805,846, Cl. 242-36.000.
  - Ueda, Yutaka; Kawamura, Shuzo; Yamauchi, Toshio; and Ichiba, Yoshiyuki, 4,830,296, Cl. 242-18.00R.
- Kawamura, Sinobu: *See*—
  - Enami, Katsuya; Kawamura, Sinobu; Nagase, Fumio; and Aikawa, Shinichi, 4,811,140, Cl. 360-104.000.
- Kawamura, Takanobu; Oohashi, Tamihiro; and Chiku, Shinji, to Chisso Corporation. Molding resin composition. 4,843,125, 6-27-89, Cl. 525-98.000.
- Kawamura, Takao; and Miyatake, Tetsuya, to Nikkiso Co., Ltd. Transfusion apparatus. 4,820,268, 4-11-89, Cl. 604-67.000.
- Kawamura, Takao; and Nakayama, Yoshikazu, to Kyocera Corporation; and Kawamura, Takao. Electrophotographic sensitive member. 4,826,748, 5-2-89, Cl. 430-60.000.
- Kawamura, Takao; Miyamoto, Naooki; Ito, Hiroshi; Takemura, Hisashi; Ohkawa, Kazumasa; and Ishibitsu, Kokichi, to Kyocera Corporation; and Kawamura, Takao. Electrophotographic sensitive member with amorphous silicon carbide. 4,882,252, 11-21-89, Cl. 430-58.000.
- Kawamura, Takeyoshi, to Sanki Electronic Industry Co., Ltd. Simulating staticelectricity discharges. 4,875,133, 10-17-89, Cl. 361-220.000.
- Kawamura, Takumi: *See*—
  - Sato, Hirokazu; Goto, Yasuhiro; Horiuchi, Kazufumi; Michigishi, Yasuo; Nobutsugu, Hideo; and Kawamura, Takumi, 4,838,368, Cl. 177-25.180.
  - Yabuki, Ritsue; Ohe, Junya; and Kawamura, Takumi, 4,832,912, Cl. 420-586.000.
- Kawamura, Tatsuro: *See*—
  - Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Taketoshi, [illegible]; Yamazaki, Junichi; Hiruma, Eikyuu; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; [illegible]oka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.

- Kawamura, Tetsuchi: *See*—
  - Guesnet, Patrice; Kawamura, Tetsuchi; Savin, Gerard; Poncet, Sabine; and Castera, Charles, 4,880,552, Cl. 252-34.000.
- Kawamura, Tokimasa: *See*—
  - Maekawa, Hideya; and Kawamura, Tokimasa, 4,826,425, Cl. 425-586.000.
- Kawamura, Tomihiko: *See*—
  - Sugimori, Shuichi; Kawamura, Tomihiko; Matsuda, Tadashi; Nakano, Shintaro, deceased; Saiki, Sumito; and Habara, Hideaki, 4,801,386, Cl. 210-680.000.
  - Sugimori, Shuighi; and Kawamura, Tomihiko, 4,802,985, Cl. 210-502.100.
- Kawamura, Tsunenori: *See*—
  - Chigusa, Takehiko; Hashimoto, Hit[illegible]ni; Kawamura, Tsunenori; Fukushima, Kazunori; Kurokawa, Kiyoumi; and Miyazaki, Masakatsu, 4,848,321, Cl. 127-61.000.
- Kawamura, Yasuo: *See*—
  - Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, 4,837,217, Cl. 514-252.000.
  - Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,874,861, Cl. 544-229.000.
- Kawamura, Yoshiaki: *See*—
  - Mori, Yoji; Kawamura, Yoshiaki; Matsumoto, Hironori; and Takemura, Yasuhiko, 4,849,478, Cl. 525-211.000.
- Kawamura, Yoshihide; Tanibe, Hiroaki; Kurahashi, Itsuo; Seo, Hiroshi; and Nakajima, Saburo, to Fuji Spinning Co., Ltd. Process for producing granular porous chitosan. 4,833,237, 5-23-89, Cl. 536-20.000.
- Kawamura, Yoshihisa, to Nissan Motor Company, Limited. Cylinder combustion monitoring apparatus. 4,821,194, 4-11-89, Cl. 364-431.080.
- Kawamura, Yoshihisa: *See*—
  - Ikeura, Kenji; Kawamura, Yoshihisa; Nagano, Masami; and Suda, Seiji, 4,825,833, Cl. 123-435.000.
- Kawamura, Yoshihito: *See*—
  - Araki, Masatada; Kuroyama, Yutaka; Takeuchi, Yukihisa; Takagi, Makoto; Kawamura, Yoshihito; and Imura, Toru, 4,857,414, Cl. 428-612.000.
- Kawamura, Yoshinori: *See*—
  - Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,819, Cl. 29-157.10A.
- Kawamura, Yoshio: *See*—
  - Moriyama, Shigeo; Kurosaki, Toshiei; Terasawa, Tsuneo; Okazaki, Shinji; and Kawamura, Yoshio, 4,798,470, Cl. 356-401.000.
  - Ooyama, Mitsuo; Ando, Kimiaki; Kawamura, Yoshio; Saitou, Norio; Simura, Takanori; and Kohida, Hiroyuki, 4,820,928, Cl. 250-492.20B.
- Kawamura, Zengiro: *See*—
  - Kanda, Shoichi; and Kawamura, Zengiro, 4,810,786, Cl. 536-114.000.
- Kawamuraseichukogyo Co., Ltd.: *See*—
  - Kawamura, Munesaburo, 4,806,039, Cl. 401-208.000.
- Kawana, Frank S., to JAC Creative Foods, Inc. Crustacean forming process and apparatus. 4,855,158, 8-8-89, Cl. 426-643.000.
- Kawana, Frank S.; Suzuki, Teisuke; and Okada, Minoru. Process for preparing surimi products. 4,869,920, 9-26-89, Cl. 426-643.000.
- Kawana, Fujio; Kurokawa, Tsukasa; and Yoneki, Tadayuki, to Fuji Kikai Kogyo Co., Ltd. Zigzag folding apparatus for a form printing machine. 4,813,922, 3-21-89, Cl. 493-415.000.
- Kawana, Shigeyuki: *See*—
  - Nakano, Harumi; and Kawana, Shigeyuki, 4,845,351, Cl. 235-492.000.
- Kawanabe, Takao; Inoue, Morio; and Hongo, Mikio, to Hitachi, Ltd. Method for producing semiconductor devices and cutting fuses. 4,795,720, 1-3-89, Cl. 437-52.000.
- Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Hasebe, Hiroshi; and Yamada, Tessho, to Honda Giken Kogyo Kabushiki Kaisha; and NGK Spark Plug Co., Ltd. Method for controlling an oxygen concentration sensing device. 4,808,269, 2-28-89, Cl. 204-1.00T.
- Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Kubota, Shin'ichi; Matsumoto, Yukihiro; Arai, Yasuhisa; and Hosaka, Takefumi, to Honda Giken Kogyo Kabushiki Kaisha. Method of indicating a shift operation of a manual gearbox of a vehicle. 4,843,550, 6-27-89, Cl. 364-424.100.
- Kawanabe, Tomohiko; Asakura, Masahiko; Kimura, Katsuhiko; Seki, Yasunari; Matsuura, Kouji; and Hasebe, Hiroshi, to Honda Giken Kogyo Kabushiki Kaisha. Method of indicating a shift operation of a manual transmission gear of a vehicle. 4,868,756, 9-19-89, Cl. 364-442.000.
- Kawanabe, Tomohiko: *See*—
  - Asakura, Masahiko; Kawanabe, Tomohiko; Muroya, Minoru; Kubota, Shin'ichi; Kimura, Katsuhiko; Seki, Yasunari; and Matsuura, Kouji, 4,818,362, Cl. 204-406.000.
  - Asakura, Masahiko; Kawanabe, Tomohiko; and Kushida, Noritaka, 4,842,711, Cl. 204-406.000.
  - Asakura, Masahiko; Shiina, Takanori; Ueda, Masahiro; Kubota, Shinichi; Kawanabe, Tomohiko; Kushida, Noritaka; and Muroya, Minoru, 4,870,586, Cl. 364-431.060.
- Kawanabe, Yoshihiro; and Ida, Kazunaga, to Pioneer Electronic Corporation. Pulse width distortion correction circuit. 4,881,041, 11-14-89, Cl. 328-112.000.
- Kawanaka, Yoshikazu, to U.S. Philips Corporation. Remote control equipment for use with an audio system. 4,864,550, 9-5-89, Cl. 369-6.000.
- Kawanami, Kenichiro: *See*—
  - Kambayashi, Koji; Okamoto, Nobuyuki; and Kawanami, Kenichiro, 4,841,289, Cl. 340-703.000.
- Kawanami, Takao: *See*—
  - Kuwano, Hiroaki; Kawanami, Takao; Okudaira, Ken; and Tanaka, Akihiro, 4,843,855, Cl. 72-16.000.
  - Yoshiwara, Seishiro; Kawanami, Takao; Suzuki, Kenichi; and Kako, Yukihiro, 4,831,708, Cl. 29-423.000.
- Kawanishi, Hidenori; Yamamoto, Osamu; Miyauchi, Nobuyuki; Maei, Shigeki; and Hayashi, Hiroshi, to Sharp Kabushiki Kaisha. External resonator type semiconductor laser. 4,829,531, 5-9-89, Cl. 372-19.000.
- Kawanishi, Hidenori; Yamaguchi, Masahiro; Hayashi, Hiroshi; Morimoto, Taiji; and Kaneiwa, Shinji, to Sharp Kabushiki Kaisha. Semiconductor laser device having extended facet life. 4,879,725, 11-7-89, Cl. 372-48.000.
- Kawanishi, Hidenori: *See*—
  - Hayashi, Hiroshi; Maei, Shigeki; Yamamoto, Osamu; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,864,585, Cl. 372-92.000.
  - Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; and Kawanishi, Hidenori, 4,811,351, Cl. 372-50.000.
  - Miyauchi, Nobuyuki; Kawanishi, Hidenori; Maei, Shigeki; Yamamoto, Osamu; and Hayashi, Hiroshi, 4,860,305, Cl. 372-92.000.
  - Taneya, Mototaka; Matsumoto, Mitsuhiro; Kawanishi, Hidenori; and Matsui, Sadayoshi, 4,813,051, Cl. 372-150.000.
  - Yamamoto, Osamu; Maei, Shigeki; Hayashi, Hiroshi; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,811,350, Cl. 372-43.000.
- Kawanishi, Hiroshi: *See*—
  - Ouchi, Tomonori; Wakamatsu, Otsuro; Kawanishi, Hiroshi; and Yasui, Masao, 4,853,495, Cl. 178-18.000.
- Kawanishi, Naoyuki, to Fuji Photo Film Co., Ltd. Method and apparatus for applying a coating liquid to a moving web. 4,835,004, 5-30-89, Cl. 427-13.000.
- Kawanishi, Shozo; and Higuchi, Tadashi, to Yamato Scale Company, Limited. Loading and weighing structure for combination weighing machine. 4,874,048, 10-17-89, Cl. 177-25.180.
- Kawanishi, Toshiyuki; and Tabata, Yukio, to Ricoh Company, Ltd. Non-impact electrothermic recording method. 4,853,707, 8-1-89, Cl. 346-1.100.
- Kawano, Akio: *See*—
  - Yamaguchi, Ken; Kawano, Akio; Honma, Kenji; Sakuma, Tsutomu; and Ono, Keizi, 4,813,511, Cl. 180-219.000.
- Kawano, Atsushi: *See*—
  - Fukasawa, Junichi; Kato, Haruya; Iwaya, Katsumasa; Shimizu, Takako; and Kawano, Atsushi, 4,857,308, Cl. 424-63.000.
  - Kurata, Naoji; Sugita, Yoshio; Kobayashi, Keiji; and Kawano, Atsushi, 4,814,462, Cl. 548-444.000.
- Kawano, Hikaru; and Sato, Koji, to Musashi Engineering Kabushiki Kaisha; and Hitachi Denshi Engineering Kabushiki Kaisha. Counting and half-wrapping apparatus for banknotes with the function of discriminating the banknotes of different nominal values. 4,817,804, 4-4-89, Cl. 209-534.000.
- Kawano, Hiroshi: *See*—
  - Ikoma, Munehisa; Kawano, Hiroshi; Matsumoto, Isao; and Yanagihara, Nobuyuki, 4,837,119, Cl. 429-206.000.
- Kawano, Hiroto, to Mazda Motor Corporation. Fuel injection timing control apparatus of distributor injection pump for use in a diesel engine. 4,819,606, 4-11-89, Cl. 123-502.000.
- Kawano, Hisao; and Yamamoto, Kunio, to Fujitsu Limited. Remote maintenance system for a digital communication network. 4,870,638, 9-26-89, Cl. 370-13.000.
- Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, to Shinko Electric Co., Ltd.; and N.P.W. Technical Laboratory Co. Seam welder with feedback control to compensate for varying welding speed. 4,868,364, 9-19-89, Cl. 219-110.000.
- Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, to N.P.W. Technical Laboratory Co.; and Shinko Electric Co., Ltd. Seam welding apparatus with edge detection. 4,879,445, 11-7-89, Cl. 219-64.000.
- Kawano, Ikuo; Takiguchi, Tsuyoshi; Kimura, Norihisa; Yanagisawa, Yohei; Ashimi, Tokuji; and Yoshino, Hiroyuki, to Governor of Gunma-ken; and Nakamuraya Co., Ltd. Process for making meat products containing a konjac mannan gel. 4,876,103, 10-24-89, Cl. 426-574.000.
- Kawano, Junji: *See*—
  - Mitsushima, Susumu; Kawano, Junji; and Iwata, Satoshi, 4,845,514, Cl. 346-76.0PH.
- Kawano, Katsumi: *See*—
  - Koizumi, Minoru; Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Kasashima, Hirokazu; and Nakai, Kozo, 4,888,683, Cl. 364-200.000.
  - Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Koizumi, Minoru; Kasajima, Hirokazu; and Nakai, Kozou, 4,803,683, Cl. 371-19.000.
  - Nakai, Kozo; Hori, Shinji; Mori, Kinji; Kawano, Katsumi; Kasashima, Hirokazu; and Kawakami, Setsuo, 4,831,512, Cl. 364-200.000.
  - Orimo, Masayuki; Mori, Kinji; Suzuki, Yasuo; Koizumi, Minoru; Kawano, Katsumi; Kasajima, Hirokazu; and Nakai, Kozo, 4,797,885, Cl. 371-19.000.
  - Wachi, Isao; Mori, Kinji; Suzuki, Yasuo; Orimo, Masayuki; Kawano, Katsumi; Koizumi, Minoru; Nakai, Kozo; and Kasashima, Hirokazu, 4,837,762, Cl. 370-89.000.

Kawano, Katsunori: *See—*
Kobayashi, Uruo; Oki, Youji; and Kawano, Katsunori, 4,865,425, Cl. 350-345.000.

Kawano, Katsuo: *See—*
Arai, Takashi; Kawano, Katsuo; and Okajima, Hidekazu, 4,805,991, Cl. 350-255.000.
Arai, Takashi; and Kawano, Katsuo, 4,826,424, Cl. 425-542.000.

Kawano, Kyoichiro; Tsuji, Hiroki; and Murase, Teruo, to Fujitsu Limited. Electrical connector. 4,815,987, 3-28-89, Cl. 439-263.000.

Kawano, Masaki; Ogura, Kuniaki; Abe, Teruyoshi; and Takajo, Shigeaki, to Kawasaki Steel Corporation. Alloy steel powder for powder metallurgy. 4,804,409, 2-14-89, Cl. 75-246.000.

Kawano, Michiari; Higashimoto, Masayuki; Kashiwagi, Shigeo; Nakano, Jun; and Shimizu, Osamu, to Fujitsu Limited. Semiconductor device with a wiring layer having good step coverage for contact holes. 4,833,519, 5-23-89, Cl. 357-59.000.

Kawano, Minori; Ichinose, Tomoji; and Ferguson, James G. Cellular radio telephone enhancement circuit. 4,849,963, 7-18-89, Cl. 370-30.000.

Kawano, Minoru; Simizu, Katsumi; Isonaga, Eiji; and Kurata, Shigeo, to Ube Industries, Ltd. Process for producing N-aminohexamethyleneimine. 4,877,874, 10-31-89, Cl. 540-606.000.

Kawano, Mitsumo, to Kabushiki Kaisha Toshiba. Time constant automatic adjustment circuit for a filter circuit. 4,818,903, 4-4-89, Cl. 307-521.000.

Kawano, Mitsumo; and Terada, Tadashi, to Kabushiki Kaisha Toshiba. Oscillation circuit. 4,818,952, 4-4-89, Cl. 331-108.00R.

Kawano, Ryuji: *See—*
Fujita, Tomohiro; and Kawano, Ryuji, 4,889,395, Cl. 303-115.000.

Kawano, Shigeyoshi: *See—*
Fukayama, Yukio; Oshima, Taku; and Kawano, Shigeyoshi, 4,888,953, Cl. 60-6[illegible]7.000.
Ishiguro, Okikazu; Nishimura, Masakatsu; Nozawa, Shigeru; Kamogawa, Hiromi; and Kawano, Shigeyoshi, 4,836,991, Cl. 423-242.000.

Kawano, Takafumi: *See—*
Sakai, Yoshikatsu; Nakai, Yasuo; Miyabe, Asao; and Kawano, Takafumi, 4,881,160, Cl. 364-161.000.

Kawano, Tamenori; Nakazawa, Atsushi; Sumida, Kiyomi; and Nagano, Takasi, to Mazda Motor Corporation. Internal combustion engine piston with two compression rings having reduced oil consumption. 4,848,212, 7-18-89, Cl. 92-158.000.

Kawano, Toshiharu: *See—*
Fujita, Motoyoshi; Kunuki, Akikazu; Uemura, Noboru; Kotani, Tsutomu; Shunpei, Saeki; and Kawano, Toshiharu, 4,849,843, Cl. 360-1[illegible]8.000.

Kawano, Toshihiko: *See—*
Hisanaga, Yorisato; Shimokawa, Kazuhiro; Kawano, Toshihiko; Suita, Yasunori; and Yamashita, Tsuneo, 4,876,245, Cl. 514-29.000.
Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Yoshizawa, Toru; Kawano, Toshihiko; and Iwai, Hiroyuki, 4,810,790, Cl. 544-311.000.

Kawano, Toshihiro: *See—*
Yoshizawa, Misuzu; Uomi, Kazuhisa; Kawano, Toshihiro; Ono, Yuichi; and Kajimura, Takashi, 4,800,565, Cl. 372-45.000.

Kawano, Tsuyoshi: *See—*
Hashimoto, Yoshio; Kawano, Tsuyoshi; Hasuka, Kaname; and Otoino, Seiji, 4,861,682, Cl. 428-685.000.

Kawano, Yasuhiko: *See—*
Natsugari, Hideaki; Kawano, Yasuhiko; Morimoto, Akira; and Yoshioka, Kouichi, 4,851,422, Cl. 514-370.000.

Kawano, Yasuhiro, to Kawasumi Laboratories Inc. Sterilizing method. 4,867,739, 9-19-89, Cl. 604-4.000.

Kawara, Toshio: *See—*
Nadai, Tanekazu; and Kawara, Toshio, 4,889,528, Cl. 604-65.000.

Kawarabashi, Tsukasa; Tone, Shoichi; and Otoshima, Hiroo, to Murata Kikai Kabushiki Kaisha. Package feeding method and apparatus. 4,848,077, 7-18-89, Cl. 57-281.000.

Kawarabashi, Tsukasa, to Murata Kikai Kabushiki Kaisha. Two-for-one twisting machine. 4,878,342, 11-7-89, Cl. 57-58.490.

Kawarabashi, Tsukasa: *See—*
Ueda, Yutaka; Tone, Shoichi; and Kawarabashi, Tsukasa, 4,848,076, Cl. 57-281.000.

Kawarada, Akira: *See—*
Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.

Kawarada, Masayuki: *See—*
Nakashima, Hiroshi; Kawarada, Masayuki; and Fukuhara, Sanshirou, 4,836,429, Cl. 226-7.000.

Kawarai, Takeshi: *See—*
Ichimura, Shigeru; Nakasuna, Seiko; Kawarai, Takeshi; Nishiyama, Takanori; and Toyoshima, Shuji, 4,885,643, Cl. 358-335.000.

Kawasaki, Akihisa; Kotani, Toshihiro; Nakai, Ryusuke; Miyazawa, Shintaro; and Hoshikawa, Keigo, to Sumitomo Electric Industries, Ltd.; and Nippon Telegraph & Telephone Public Corporation. Process for pulling a single crystal. 4,863,554, 9-5-89, Cl. 156-617.100.

Kawasaki, Akira: *See—*
Kawaguchi, Tomihisa; Ota, Akira; and Kawasaki, Akira, 4,850,480, Cl. 206-205.000.

Kawasaki, Eiichiro; Kitagawa, Masao; Okabe, Hidemi; Tabata, Masaru; and Yamada, Minoru, to Kabushiki Kaisha Kobe Seiko Sho. Welding wire container. 4,869,367, 9-26-89, Cl. 206-409.000.

Kawasaki, Eishi: *See—*
Mizukoshi, Masahito; Kawasaki, Eishi; Miyajima, Takeshi; and Fukazawa, Takeshi, 4,881,056, Cl. 338-4.000.

Kawasaki, Glenn H.; and Woodbury, Richard, to ZymoGenetics, Inc. Method of expressing alpha-1-antitrypsin in yeast. 4,839,283, 6-13-89, Cl. 435-68.000.

Kawasaki, Harumi; and Hara, Masato, to Asahi Kogaku Kogyo K.K. Optical encoder with converging means. 4,883,955, 11-28-89, Cl. 250-231.0SE.

Kawasaki, Haruo: *See—*
Yukawa, Toshihide; Kawasaki, Haruo; Nakamura, Masao; Yamashita, Takashi; and Tsuji, Toshiaki, 4,820,861, Cl. 560-41.000.

Kawasaki, Hirofumi: *See—*
Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.

Kawasaki, Hiroshi, to Sharp Kabushiki Kaisha. Elastic member for supporting a key top in a push button switch construction. 4,814,561, 3-21-89, Cl. 200-517.000.

Kawasaki, Hiroshi: *See—*
Yamada, umito; Kawasaki, Hiroshi; and Satake, Masaki, 4,797,353, Cl. 430-434.000.
Yokota, Minoru; and Kawasaki, Hiroshi, 4,851,121, Cl. 210-500.360.

Kawasaki, Ikuya: *See—*
Hanawa, Makoto; Kawasaki, Ikuya; and Nishimukai, Tadahiko, 4,845,614, Cl. 364-200.000.

Kawasaki, Josho, to Mitsui Ocean Development & Engineering Co., Ltd. Overload prevention apparatus for jacking system of offshore structures. 4,885,698, 12-5-89, Cl. 364-506.000.

Kawasaki Jukogyo Kabushiki Kaisha: *See—*
Fujikawa, Tetsuzo; Yamaguchi, Yoichi; and Takahashi, Akira, 4,798,082, Cl. 73-117.300.
Fujikawa, Tetsuzo; Tomonaga, Keisuke; Tamba, Shinichi; Miyake, Hitomi; and Miyake, Hitomi, 4,862,981, Cl. 180-68.400.
Fujikawa, Tetsuzo; Hirata, Makizo; and Tamba, Shinichi, 4,889,089, Cl. 123-195.0HC.
Fujita, Yoshitada; Hanada, Sadashi; and Yamamoto, Yoshiaki, 4,884,938, Cl. 414-541.000.
Fujita, Yoshitada; and Hanada, Sadashi, 4,886,414, Cl. 414-786.000.
Hamamoto, Atsushi; and Ichiki, Mikio, 4,879,843, Cl. 49-158.000.
Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tomokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
Itoh, Yasuhiro; Sakamoto, Katsuji; and Miyabe, Hideki, 4,828,47[illegible], Cl. 425-143.000.
Kinouchi, Sosuke, 4,794,897, Cl. 123-198.00D.
Kinouchi, Sosuke; and Yoshitake, Hideto, 4,831,954, Cl. 114-163.000.
Kinouchi, Sosuke; and Sumitomo, Yukikazu, 4,846,307, Cl. 184-6.500.
Kondo, Yasunori, 4,804,295, Cl. 405-141.000.
Kosuge, Hideyoshi, 4,798,400, Cl. 280-796.000.
Kosuge, Hideyoshi, 4,832,399, Cl. 296-194.000.
Kosuge, Hideyoshi, 4,881,610, Cl. 180-68.200.
Maeda, Takuya; Murakami, Keikichi; Yamada, Tsutomu; Kishimoto, Mitsuharu; Yajima, Kenichi; and Takemura, Yoshihisa, 4,886,246, Cl. 266-157.000.
Miyake, Hitomi; and Nishimura, Shigeru, 4,870,928, Cl. 123-52.0MV.
Nagashima, Ikuo; Fukui, Jun; Gotoh, Hiroshi; Kaneko, Hiroki; Nozaki, Ken; and Ozawa, Takeo, 4,814,241, Cl. 429-199.000.
Nishiyama, Yukio; Fujioka, Junzo; Hino, Haruki; and Miyamura, Takuya, 4,834,036, Cl. 123-188.00A.
Nishiyama, Yukio; Miyashita, Takuya; Noda, Toshiharu; and [illegible], Susumu, 4,849,168, Cl. 420-418.000.
Okada, Yukio; Iwamura, Akira; and Akashi, Shuji, 4,795,666, Cl. 428-71.000.
Ono, Hiromi; and Shirai, Tetsuaki, 4,811,705, Cl. 123-195.0AC.
Onoue, Kazuhiko; and Kashiki, Hajime, 4,853,603, Cl. 318-568.150.
Sakaguchi, Akira; Uchibe, Hisashi; and Tange, Toshiyuki, 4,856,700, Cl. 228-5.100.
Sato, Masato; Nakamizo, Keiichi; and Mitadera, Takashi, 4,805,565, Cl. 123-90.600.
Soga, Katumasa; and Matsutani, Kazuo, 4,875,426, Cl. 114-123.000.
Sonoda, Akikazu; Fujita, Sinji; Sato, Masanobu; Tomono, Syoji; and Nakamura, Hisanori, 4,855,560, Cl. 219-86.250.
Takada, Toshiyuki; and Yamamoto, Hitoshi, 4,864,981, Cl. 123-90.270.
Tamba, Shinichi; and Fukui, Noboru, 4,801,343, Cl. 156-69.000.
Tamba, Shinichi; and Miyake, Hitomi, 4,873,945, Cl. 123-55.00R.
Tatebayashi, June; Takada, Tomoaki; Hayashi, Kimitaka; and Kumagai, Chikanori, 4,877,397, Cl. 432-106.000.
Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; [illegible], Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakashi, [illegible], Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.
Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,79[illegible], Cl. 228-146.000.
Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Kawasaki Kasei Chemicals Ltd.: *See—*
Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nasu, Katsuaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, Toshiyuki, 4,840,932, Cl. 502-202.000.
Matsuzaki, Katsumi; Usui, Kenji; and Ikemoto, Seishi, 4,795,604, Cl. 264-144.000.

Kawasaki, Kazuyuji: *See—*
Oe, Takanori; Kawasaki, Kazuyuji; Terasawa, Michio; Imayoshi, Tomonori; and Yasunaga, Yukihiro, 4,808,620, Cl. 514-303.000.

Kawasaki, Kazuyuki: *See—*
Oe, Takanori; Kawasaki, Kazuyuki; Terasawa, Michio; and Imayoshi, Tomonori, 4,808,593, Cl. 514-291.000.

Kawasaki, Keiichi; Takahashi, Kazuhisa; and Itoh, Yuji, to Canon Kabushiki Kaisha. Image recording apparatus with improved system for feeding and exhausting recording sheets. 4,796,035, 1-3-89, Cl. 346-108.000.

Kawasaki, Keiji; and Kato, Kiminari, to NGK Insulators, Ltd. Ceramic radial turbine rotor. 4,850,803, 7-25-89, Cl. 416-241.00B.

Kawasaki, Ken-ichiro: *See—*
Yokosawa, Seiichi; and Kawasaki, Ken-ichiro, 4,860,130, Cl. 360-77.020.

Kawasaki, Kenji: *See—*
Nishi, Yoshitsuga; Kawasaki, Kenji; Hayashi, Mutuo; and Yamagishi, Chitake, 4,818,511, Cl. 423-344.000.

Kawasaki, Kikuo; Yamamoto, Hitoshi; Fukuhara, Masanori; and Asanuma, Kenji, to Fuji Electric Company Ltd. Monitoring system. 4,814,754, 3-21-89, Cl. 340-706.000.

Kawasaki Kisen Kaisha: *See—*
Hamada, Hiroshi; Watanabe, Takamitsu; and Suzuki, Mitiharu, 4,801,042, Cl. 220-410.000.

Kawasaki, Kiyohiro, to Matsushita Electric Industrial Co., Ltd. Matrix address display apparatus having conductive lines and pads for repairing defects. 4,807,973, 2-28-89, Cl. 350-332.000.

Kawasaki, Koichi: *See—*
Honda, Hideyuki; Kawasaki, Koichi; and Sato, Hiroshi, 4,856,330, Cl. 73-204.250.

Kawasaki, Makoto: *See—*
Moriya, Mikio; Furukawa, Junichi; Kawasaki, Makoto; and Iesaka, Tsutomu, 4,795,285, Cl. 400-320.000.

Kawasaki, Masahiro; and Sato, Osamu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera having interchangeable lenses. 4,841,322, 6-20-89, Cl. 354-400.000.

Kawasaki, Masaki; and Mizukami, Kunio, to Kabushiki-Kaisha Yamau; and Onoda Cement Company Limited. Method for producing sulfur plates. 4,800,184, 1-24-89, Cl. 501-140.000.

Kawasaki, Masaki. Fitting structure of safety lamp to wheel. 4,847,735, 7-11-89, Cl. 362-72.000.

Kawasaki, Masaki, to Kabushiki-Kaisha Yamau. Method for producing concrete products provided with inlaid patterns. 4,889,666, 12-26-89, Cl. 264-22.000.

Kawasaki, Masami; Sanpei, Keiichi; and Nishida, Tetsuya, to Kubota Ltd. Cutter-trimmer of walk-behind type. 4,845,929, 7-11-89, Cl. 56-17.500.

Kawasaki, Masami: *See—*
Yoshinaga, Makoto; Iba, Yoichi; Miyahara, Noriyuki; Kawasaki, Masami; Morita, Terumasa; and Nagano, Takashi, 4,832,474, Cl. 350-529.000.

Kawasaki, Masayuki: *See—*
Nagahama, Masamitsu; Ohsawa, Masaaki; and Kawasaki, Masayuki, 4,824,271, Cl. 401-196.000.

Kawasaki, Mikio; Shiozawa, Hiroaki; Fukuouji, Kakujulo; and Ono, Kouji, to Konishiroku Photo Industry Co., Ltd. Light-sensitive silver halide photographic material. 4,840,888, 6-20-89, Cl. 430-567.000.

Kawasaki, Mikio: *See—*
Ono, Kouzi; and Kawasaki, Mikio, 4,847,187, Cl. 430-528.000.

Kawasaki, Minoru: *See—*
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,818,307, Cl. 148-414.000.
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,832,982, Cl. 427-53.100.

Kawasaki, Osamu; Inaba, Ritsuo; Tokushima, Akira; and Takeda, Katsu, to Matsushita Electric Industrial Co., Ltd. Ultrasonic motor with stator projections and at least two concentric rings of electrodes. 4,829,209, 5-9-89, Cl. 310-323.000.

Kawasaki, Osamu; Takeda, Katsu; Inaba, Ritsuo; and Fukada, Tetsuji, to Matsushita Electric Industrial Co., Ltd. Drive method for ultrasonic motor providing enhanced stability of rotation. 4,853,579, 8-1-89, Cl. 310-116.000.

Kawasaki, Osamu: *See—*
Taniguchi, Hideaki; Moriyama, Koichi; Kawasaki, Osamu; and Iwamoto, Ken-ichi, 4,796,049, Cl. 355-3.0FU.

Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, to Sanyo Electric Co., Ltd. Optical type pickup apparatus with lens holder supported by frame wires each having an end inserted into a frame hole. 4,811,320, 3-7-89, Cl. 369-45.000.

Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, to Sanyo Electric Co., Ltd. Electric mechanical transducer and optical type pickup apparatus driven by a magnetic field. 4,845,699, 7-4-89, Cl. 369-45.000.

Kawasaki, Ryoji: *See—*
Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,875,231, Cl. 379-61.000.
Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.

Kawasaki, Sadanobu; Yamauchi, Mineo; and Akada, Masanori, to Dai Nippon Insatsu Kabushiki Kaisha. Image receiving sheet and process for producing the same. 4,820,687, 4-11-89, Cl. 503-227.000.

Kawasaki, Satoshi; Arai, Mitsuhiro; and Namiki, Yasuomi, to Victor Company of Japan, Ltd. Rotary transformer with winding to cancel crosstalk. 4,827,360, 5-2-89, Cl. 360-64.000.

Kawasaki Seitetsu Kabushiki Kaisha: *See—*
Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime, Toshiyuki, 4,813,867, Cl. 431-353.000.

Kawasaki, Shinji; and Takahashi, Tomonori, to NGK Insulators, Ltd. Silicon carbide sintered body and method of producing the same. 4,855,263, 8-8-89, Cl. 501-92.000.

Kawasaki, Shoji: *See—*
Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.

Kawasaki, Shunsuke: *See—*
Kanazawa, Hirotaka; Kawasaki, Shunsuke; Furutani, Shigeki; and Miyoshi, Akihiko, 4,805,939, Cl. 280-91.000.

Kawasaki, Somei, to Canon Kabushiki Kaisha. Recording or reproducing apparatus. 4,868,691, 9-19-89, Cl. 360-68.000.

Kawasaki, Somei: *See—*
Takei, Masahiro; Sakata, Tsuguhide; Taguchi, Tomishige; and Kawasaki, Somei, 4,862,250, Cl. 358-12.000.

Kawasaki Steel Corporation: *See—*
Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,823,578, Cl. 72-47.000.
Coe, Thomas U.; and Yamazaki, Atsushi, 4,825,680, Cl. 72-359.000.
Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,829,799, Cl. 72-47.000.
Coe, Thomas U., 4,870,524, Cl. 360-135.000.
Coe, Thomas U., 4,887,179, Cl. 360-135.000.
Fujii, Kazuo, 4,800,004, Cl. 204-28.000.
Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,840,303, Cl. 228-164.000.
Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,854,493, Cl. 228-5.700.
Fukuda, Bunjiro; Sugiyama, Toshitomo; Sato, Keiji; and Honda, Atsuhito, 4,846,448, Cl. 266-103.000.
Funahashi, Yoshiko; Kamino, Yoshikazu; Matsumura, Yasuharu; and Harimaya, Senichi, 4,871,513, Cl. 422-56.000.
Furukawa, Kusuo; and Fujiwara, Teruo, 4,795,681, Cl. 428-600.000.
Furukawa, Kusuo, 4,798,772, Cl. 428-600.000.
Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo; and Takada, Yoshiyasu, 4,874,427, Cl. 75-26.000.
Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kusuo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.
Hashiguchi, Koichi; Tosaka, Akio; Irie, Toshio; and Takahashi, Isao, 4,830,686, Cl. 148-320.000.
Hishinuma, Itaru; Adachi, Akio; and Toyoshima, Ko, 4,823,585, Cl. 72-247.000.
I, Kanji; Kawasaki, Tatsuo; and Yasuhara, Eiko, 4,859,297, Cl. 204-145.00R.
Iida, Sachihiro, 4,798,367, Cl. 266-80.000.
Iida, Sachihiro, 4,838,526, Cl. 266-80.000.
Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuke; Ueda, Syuzo; and Karino, Seimei, 4,814,141, Cl. 420-109.000.
Inokuti, Yukio; and Ohkubo, Osamu, 4,863,581, Cl. 204-298.000.
Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.
Itoyama, Seiji; Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Bessho, Nagayasu; and Fujii, Tetsuya, 4,817,702, Cl. 164-432.000
Kawai, Yoshito; Kishida, Akira; Yokoama, Shiroh; Yokoyama, Ichiku; and Yokoyama, Goudai, 4,806,724, Cl. 219-121.680.
Kawano, Masaki; Ogura, Kuniaki; Abe, Teruyoshi; and Takajo, Shigeaki, 4,804,409, Cl. 75-246.000.
Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.
Kitamura, Tadanori; Shono, Hiroaki; and Kodama, Atsuki, 4,855,122, Cl. 423-447.100.
Kiyota, Yoshisato, 4,867,943, Cl. 419-23.000.
Koshida, Takahisa; Uchimura, Ryoji; and Ogasawara, Takeshi, 4,853,196, Cl. 423-290.000.
Kusaba, Takashi; Abe, Hideo; Torao, Akira; Furukawa, Kusuo; Yanagimoto, Takayuki; and Sasaki, Hiroaki, 4,841,611, Cl. 29-121.200.
Matsuda, Akira; and Kimura, Hajime, 4,804,444, Cl. 204-28.000.
Muko, Ryoichi; Mochizuki, Kazuo; Kimura, Hajime; Ichida, Toshio; and Kobayashi, Shigeru, 4,834,845, Cl. 204-28.000.
Murakami, Shinjiro, 4,806,223, Cl. 204-206.000.
Murakami, Shinjiro, 4,885,071, Cl. 204-206.000.
Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Oka, Hiromu; Ueda, Tsunehiro; Koshikawa, Takao; Kishimoto, Hideaki; and Shimokawa, Fumitaka, 4,806,163, Cl. 106-38.220.
Nikaido, Hideyuki; Takayuki, Naoi; Komori, Atsushi; and Nihei, Mitsuo, 4,852,383, Cl. 72-407.000.
Nishimoto, Shigeto; Fujimoto, Yoshiki; Inoue, Noriaki; and Harada, Shunji, 4,884,449, Cl. 73-660.000.
Ohiwa, Yoshitaka; Hiwasa, Shyoichi; and Take, Hideo, 4,835,701, Cl. 364-477.000.

Okada, Susumu; Imanaka, Makoto; Masui, Susumu; Obara, Takashi; Shinozaki, Masatoshi; and Tsunoyama, Kozo, 4,889,566, Cl. 148-2.000.

Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.

Otsuka, Kenichi; and Nitta, Minoru, 4,810,285, Cl. 75-0.50B.

Sakata, Kei; Hashiguchi, Koichi; and Okano, Shinobu, 4,857,117, Cl. 148-12.00C.

Sato, Kouki; Matsuyama, Junya; and Nishiyama, Noboru, 4,803,340, Cl. 219-146.100.

Sato, Susumu; Kurosawa, Mitsumasa; Suzuki, Hideo; Obara, Takashi; and Tsunoyama, Kozo, 4,818,299, Cl. 148-2.000.

Sato, Toru; Morito, Nobuyuki; and Kobayashi, Shinji, 4,809,768, Cl. 164-423.000.

Satoh, Susumu; Matsuoka, Saiji; Obara, Takashi; Tsunoyama, Kozo; and Irie, Toshio, 4,861,390, Cl. 148-12.00R.

Sekiguchi, Kunio; Kai, Hajime; Miyokawa, Masaru; and Ueda, Kenji, 4,850,211, Cl. 72-8.000.

Sone, Yuji; Wada, Kayoko; Kurahashi, Hayao; Nakai, Yoichi; Narutani, Tetsu; and Suzuki, Shigeharu, 4,859,287, Cl. 204-1.00T.

Takajo, Shigeaki, 4,824,734, Cl. 428-570.000.

Takeda, Kanji; Taguchi, Seiji; Nakai, Toshikazu; and Kato, Haruo, 4,842,253, Cl. 266-44.000.

Takeuchi, Yuko; Nakahara, Yuki; Kimura, Hajime; and Okano, Shinobu, 4,804,587, Cl. 428-623.000.

Tozawa, Hirokazu; Bessho, Nagayasu; Fujii, Tetsuya; Moriwaki, Saburo; Yasukawa, Noboru; and Kimura, Tomoaki, 4,825,935, Cl. 164-481.000.

Uchino, Kazuhiro; Watanabe, Toshio; Nakazato, Yoshio; Hoshino, Minoru; Yamamoto, Akira; and I, Kanji, 4,830,836, Cl. 423-139.000.

Wakui, Tadahiro; Yoshino, Kenji; Komatsu, Masafumi; Kumazawa, Yumiko; Yamagishi, Touru; and Izumi, Mitsuhiko, 4,851,497, Cl. 528-176.000.

Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; Ohno, Hironobu; Shioda, Isamu; and Nakazono, Yoji, 4,870,850, Cl. 72-164.000.

Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; and Ohno, Hironobu, 4,878,961, Cl. 148-128.000.

Yoshino, Kenji; Wakui, Tadahiro; Kumazawa, Yumiko; Izumi, Mitsuhiko; and Yamagishi, Touru, 4,839,128, Cl. 264-328.100.

Yoshioka, Keiichi; Watanabe, Kenji; and Kato, Yasushi, 4,885,215, Cl. 428-632.000.

Kawasaki Steel Techno-Research Corporation: *See—*

Saito, Keiji; Takizawa, Yoshiro; and Takagi, Isao, 4,798,704, Cl. 422-99.000.

Kawasaki, Takashi: *See—*

Tanji, Hiroaki; Suzuki, Masaharu; Nomura, Kenji; Watanabe, Shojiro; and Kawasaki, Takashi, 4,849,146, Cl. 264-81.000.

Kawasaki, Tatsuo: *See—*

I, Kanji; Kawasaki, Tatsuo; and Yasuhara, Eiko, 4,859,297, Cl. 204-145.00R.

Kawasaki, Tsutomu; and Kobayashi, Wataru, to Koken Co., Ltd. Apatite chromatography column system. 4,874,511, 10-17-89, Cl. 210-198.200.

Kawasaki, Tutomu: *See—*

Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.

Kawasaki, Yoshihiko: *See—*

Yamamoto, Yoshio; Kikuchi, Syuichi; Nakanishi, Kazuo; and Kawasaki, Yoshihiko, 4,843,811, Cl. 57-281.000.

Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, to Nippon Steel Corporation. Method and apparatus for manufacturing cold-rolled steel strip. 4,872,245, 10-10-89, Cl. 29-81.00A.

Kawasaki, Yoshinao; Kawahara, Hironobu; Kakehi, Yutaka; Hirobe, Kado; and Kudo, Katsuyoshi, to Hitachi, Ltd. Plasma treating method and apparatus therefor. 4,795,529, 1-3-89, Cl. 156-643.000.

Kawasaki, Yoshinari: *See—*

Katayama, Sakae; Katayama, Hirohiko; Mukai, Toshihiko; and Kawasaki, Yoshinari, 4,885,136, Cl. 422-15.000.

Kawasaki, Yoshinobu; Niikawa, Ryo; and Ikeda, Yuzi, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle body positioning apparatus. 4,796,346, 1-10-89, Cl. 29-700.000.

Kawasaki, Yoshinobu: *See—*

Fuse, Genzo; Miwa, Hiroshi; and Kawasaki, Yoshinobu, 4,875,823, Cl. 414-735.000.

Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, to Howa Machinery, Ltd. Method for piecing rovings and exchange roving bobbins in a ring spinning frame and working machine for carrying out this method. 4,799,353, 1-24-89, Cl. 57-281.000.

Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, to Howa Machinery Ltd. Roving bobbin exchanging method and apparatus for carrying out roving bobbin exchanging method. 4,841,720, 6-27-89, Cl. 57-281.000.

Kawasaki, Yoshio: *See—*

Fukuda, Tatemi; Kawasaki, Yoshio; Wakai, Masao; Negishi, Kenji; Ono, Isao; and Arita, Isao, 4,819,302, Cl. 19-262.000.

Kawasaki, Yosio; and Horibe, Tatutake, to Murata Kikai Kabushiki Kaisha. Automatic yarn end finding device for a spinning bobbin. 4,842,206, 6-27-89, Cl. 242-18.00R.

Kawasaki, Yushi, to Citizen Watch Co., Ltd. Double gimbal magnetic head supporting mechanism for a floppy disk drive. 4,841,396, 6-20-89, Cl. 360-104.000.

Kawasako, Yasuhiro: *See—*

Honda, Yasuo; Ohtsuka, Takenori; Sunada, Tomohiro; and Kawasako, Yasuhiro, 4,794,885, Cl. 123-52.00M.

Ohtsuka, Takenori; Honda, Yasuo; Sunada, Tomohiro; Kawasako, Yasuhiro; and Yamamoto, Tomoyuki, 4,848,280, Cl. 123-52.0MC

Kawasato, Takayuki: *See—*

Ando, Takumi; and Kawasato, Takayuki, 4,876,977, Cl. 112-445.000.

Sano, Yasuro; Koide, Akio; Hyodo, Toru; Kobayashi, Fumihiko; Kawasato, Takayuki; and Osanai, Yasuhiko, 4,878,444, Cl. 112-264.100.

Kawase, Akio: *See—*

Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, 4,831,712, Cl. 29-527.600.

Kawase, Dai: *See—*

Toizumi, Yasushi; and Kawase, Dai, 4,816,935, Cl. 360-66.000.

Kawase, Hideyuki: *See—*

Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.

Kawase, Hiromi. Hollow-cathode type metal ion laser. 4,821,2[illegible], 4-11-89, Cl. 372-87.000.

Kawase, Hiroshi, to Furukawa Aluminum Co., Ltd. Method of manufacturing extruded flat multihole aluminum tube for heat-exchanger. 4,852,233, 8-1-89, Cl. 29-157.30R.

Kawase, Jiro: *See—*

Mano, Tsutomu; Kawase, Jiro; Misu, Daisuke; and Ohyabu, Michio, 4,871,372, Cl. 8-410.000.

Kawase, Kaoru; Sakami, Hiroshi; and Iida, Shozo, to Agency of Industrial Science and Technology; and Ministry of International Trade and Industry. Method for production of finely porous article using smectite mineral as main component. 4,839,318, 6-13-89, Cl. 502-62.000.

Kawase, Masaaki: *See—*

Shamoto, Naoki; Suzuki, Hideo; Sugawara, Yasuyuki; Kawase, Masaaki; and Shinohara, Hiromichi, 4,836,639, Cl. 350-96.230.

Kawase, Masao: *See—*

Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimasa; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.

Kawase, Mayumi: *See—*

Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kuga, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Isao; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsutomu, 4,874,869, Cl. 548-309.000.

Kawase, Mitsuo: *See—*

Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tsuda, Akira, 4,872,439, Cl. 123-518.000.

Kawase, Ryuji: *See—*

Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; Ichiba, Masao; Tochihara, Fumituga; and Awajitani, Takahisa, 4,826,744, Cl. 429-206.000.

Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; and Ichiba, Masao, 4,880,435, Cl. 29-623.500.

Kawase, Seiji, to Kabushiki Kaisha Kenwood. FSK or am modulator with digital waveform shaping. 4,871,987, 10-3-89, Cl. 332-101.00.

Kawase, Seiji: *See—*

Asahi, Nobumitsu; Ikeda, Tetsuo; and Kawase, Seiji, 4,835,094, Cl. 363-157.000.

Kawase, Shigeru; Kinjo, Hisao; Mizuno, Yoshio; and Shudo, Kazuyuki, to Victor Company of Japan, Ltd. Apparatus for recording a video signal of consecutive fields on a pair of separated tracks. 4,86[illegible], 9-19-89, Cl. 358-313.000.

Kawase, Shinji; and Izumi, Toshiro, to Precision Fukuhara Works Ltd. Knitting machine parts. 4,831,847, 5-23-89, Cl. 66-123.000

Kawase, Tadamasa: *See—*

Senuma, Makoto; Kondoh, Shigeru; Kawase, Tadamasa; and Nakagawa, Yoshihiko, 4,879,118, Cl. 424-448.000.

Kawase, Takashi: *See—*

Okumura, Atsuo; Ujino, Masato; and Kawase, Takashi, 4,817,[illegible], Cl. 60-274.000.

Kawase, Toshihiro; and Sano, Sachiya, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Push-button switch with unlocking prevention assembly. 4,870,229, 9-26-89, Cl. 200-5.00B.

Kawase, Toshihiro; and Sano, Sachiya, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Switch having a visable indicator. 4,877,[illegible], 10-31-89, Cl. 200-308.000.

Kawase, Tsunezo; Koroku, Shuichiro; and Okada, Kunio, to Osaka Diamond Industrial Co., Ltd. Wire saw. 4,856,490, 8-15-89, Cl. 125-21.000.

Kawashima, Asahi: *See—*

Hashimoto, Koji; Yoshioka, Hideaki; Asami, Katsuhiko; and Kawashima, Asahi, 4,834,806, Cl. 148-4.000.

Hashimoto, Koji; Kanda, Toshihisa; Kawashima, Asahi; and Asami, Katsuhiko, 4,868,073, Cl. 429-40.000.

Hashimoto, Koji; Miura, Kimikado; Asami, Katsuhiko; and Kawashima, Asahi, 4,880,482, Cl. 148-403.000.

Kawashima, Hideaki: *See—*

Matsuno, Kazuhiro, deceased; Kobayashi, Toru; Miyoshi, Takeshi; and Kawashima, Hideaki, 4,797,493, Cl. 548-312.000.

Kawashima, Hidetoshi: *See—*

Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Kawashima, Hiromi; and Takeuchi, Atsushi, to Fujitsu Limited. High voltage detecting circuit. 4,812,680, 3-14-89, Cl. 307-350.000.

Kawashima, Hiromi: *See—*

Arakawa, Hideki; and Kawashima, Hiromi, 4,817,055, Cl. 365-189.000.

Kawashima, Hiroshi: *See—*

Ikeno, Masahiko; Kawashima, Hiroshi; and Kaneda, Osamu, 4,886,012, Cl. 118-667.000.

Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.

Okawa, Kazuyoshi; Moriya, Kazumasa; Kashiwazaki, Tomoyuki; Kawashima, Hiroshi; and Murakawa, Yoshitaka, 4,876,966, Cl. 104-290.000.

Yamawaki, Masao; and Kawashima, Hiroshi, 4,853,786, Cl. 358-213.290.

Kawashima, Hiroyuki: *See—*

Ikada, Yoshito; Gen, Shokyu; Ohi, Shigeo; Urabe, Yosuke; and Kawashima, Hiroyuki, 4,882,162, Cl. 424-444.000.

Kawashima, Hisakazu; Morita, Yoshiyasu; Nishihara, Minoru; Arai, Tetsuzo; and Fukui, Kunihiro, to Sumitomo Metal Industries, Ltd. Oil well pipe joint and manufacturing method therefor. 4,871,194, 10-3-89, Cl. 285-55.000.

Kawashima, Hisashi; Okada, Tsuguo; and Yamamoto, Haruhiko, to Fujitsu Limited. Apparatus for supplying cooling fluid. 4,865,123, 9-12-89, Cl. 165-104.330.

Kawashima, Isaku: *See—*

Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.

Kawashima, Kazuharu: *See—*

Fujii, Itsuo; Sato, Toshikazu; and Kawashima, Kazuharu, 4,822,639, Cl. 427-240.000.

Kawashima, Kazuhiro; Komoda, Norihisa; Harada, Shunichi; Mitsumori, Sadamichi; and Taniguchi, Kouichi, to Hitachi, Ltd. Planning support method and system. 4,839,803, 6-13-89, Cl. 364-403.000.

Kawashima, Kazumi: *See—*

Imai, Kiyoshi; Kawashima, Kazumi; and Ishida, Makoto, 4,796,089, Cl. 358-183.000.

Imai, Kiyoshi; and Kawashima, Kazumi, 4,816,915, Cl. 358-183.000.

Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, to Hitachi, Ltd. Variable displacement wobble plate compressor with capacity control valve. 4,815,943, 3-28-89, Cl. 417-222.000.

Kawashima, Kenichi; Suginuma, Atsushi; Takahashi, Yukio; Tojo, Kenji; and Takao, Kunihiko, to Hitachi, Ltd. Refrigerating system. 4,867,649, 9-19-89, Cl. 417-222.00S.

Kawashima, Kenichi: *See—*

Tojo, Kenji; Kawashima, Kenichi; Suefuji, Kazutaka; and Nakamura, Yozo, 4,861,245, Cl. 418-55.000.

Yasutake, Nobuyuki; Kai, Jun-ichi; Yasuda, Hiroshi; and Kawashima, Kenichi, 4,853,870, Cl. 364-490.000.

Kawashima, Kinji, to Sanyo Electric Co., Ltd.; and Kumagaya Seimitsu Co., Ltd. Motor with armature teeth and field magnet. 4,833,355, 5-23-89, Cl. 310-198.000.

Kawashima, Masahiro, to Olympus Optical Co., Ltd. Endoscope and a light guide thereof and a metrod for manufacturing the light guide. 4,796,604, 1-10-89, Cl. 128-6.000.

Kawashima, Masatoshi; Takechi, Makoto; and Odani, Hiroshi, to Hitachi, Ltd. LST logic circuit. 4,862,068, 8-29-89, Cl. 324-73.00R.

Kawashima, Masayuki: *See—*

Shimatani, Toshimichi; Kawata, Yoshihiro; Kawashima, Masayuki; and Omori, Hideharu, 4,815,099, Cl. 375-7.000.

Kawashima, Mitsuji: *See—*

Ishikawa, Masazumi; and Kawashima, Mitsuji, 4,796,041, Cl. 354-320.000.

Kawashima, Norio; and Haga, Hidemi. Paper feeder for a printer. 4,822,184, 4-18-89, Cl. 400-616.100.

Kawashima, Norio; and Haga, Hidemi. Paper feeder for a printer. 4,859,098, 8-22-89, Cl. 400-616.000.

Kawashima, Saburo: *See—*

Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,847,349, Cl. 528-125.000.

Ohta, Masahiro; Kawashima, Saburo; Snobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; and Yamaguchi, Akihiro, 4,883,718, Cl. 428-458.000.

Oikawa, Hideaki; Ohta, Masahiro; Kawashima, Saburo; Tamai, Shoji; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,797,466, Cl. 528-185.000.

Tamai, Shoji; Kawashima, Saburo; Ohta, Masahiro; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,795,798, Cl. 528-185.000.

Kawashima, Seiichi: *See—*

Fujita, Bunichi; and Kawashima, Seiichi, 4,847,516, Cl. 307-269.000.

Kawashima, Shoichiro, to Fujitsu Limited. Semiconductor memory circuit having a delay circuit. 4,866,675, 9-12-89, Cl. 365-194.000.

Kawashima, Sousuke, to Nippon Seiko Kabushiki Kaisha. Hydrostatic bearing utilizing a ferromagnetic fluid. 4,809,354, 2-28-89, Cl. 384-114.000.

Kawashima, Syunichiro: *See—*

Inoue, Osamu; and Kawashima, Syunichiro, 4,853,199, Cl. 423-594.000.

Kawashima, Takashi: *See—*

Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Kawashima, Takeshi: *See—*

Nishio, Hiroaki; and Kawashima, Takeshi, 4,850,575, Cl. 266-149.000.

Kawashima, Takuji: *See—*

Nakaya, Rintaro; Okamura, Noboru; Kawashima, Takuji; Saito, Minoru; Yanai, Nabuya; Toida, Tomohiro; and Yokota, Hajime, 4,797,389, Cl. 514-54.000.

Kawashima, Teruhisa: *See—*

Sugiura, Sadanobu; Tokunaga, Kunishige; and Kawashima, Teruhisa, 4,858,794, Cl. 222-606.000.

Kawashima, Toshio: *See—*

Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,798,832, Cl. 514-258.000.

Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,816,459, Cl. 514-258.000.

Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, to Sumimoto Metal Industries, Ltd.; and Sumitomo Heavy Industries, Ltd. Method of feeding material to hot forging machine. 4,823,577, 4-25-89, Cl. 72-24.000.

Kawashima, Yoshio: *See—*

Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,834,345, Cl. 266-105.000.

Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,881,987, Cl. 148-12.00B.

Kawashima, Yutaka; Satoh, Masakazu; Hatada, Yuichi; Hazato, Fumiko; Nakashima, Yoshimoto; and Sota, Kaoru, to Taisho Pharmaceutical Co., Ltd. 3-Oxoalkylidene-2-azetidinone derivatives. 4,803,266, 2-7-89, Cl. 540-200.000.

Kawashima, Yutaka: *See—*

Nagata, Kiyoshi; Tatsukawa, Junichi; Kawashima, Yutaka; and Kobayashi, Hisanori, 4,869,225, Cl. 123-509.000.

Kawashimo, Hiroshi; Nakagawa, Kouichi; and Shimomura, Kou, to Mitsubishi Denki Kabushiki Kaisha. Method of manufacturing aluminum bonding pad with PSG coating. 4,824,801, 4-25-89, Cl. 437-187.000.

Kawashimo, Norishige: *See—*

Matsubara, Kiyoshi; Yamaura, Tadashi; Kihara, Toshimasa; and Kawashimo, Norishige, 4,860,087, Cl. 357-68.000.

Kawashita, Fukunosuke, to Kabushiki Kaisha Yamahiro. Wood screw with chip removing portion. 4,874,278, 10-17-89, Cl. 411-386.000.

Kawaski, Shoji; Sato, Hisatomo; Shin, Masaaki; and Yamamoto, Takashi, to Mitsui Toatsu Chemicals, Incorporated. Heat fixing electrophotographic toner containing olefin wax. 4,849,316, 7-18-89, Cl. 435-106.600.

Kawasoe, Tatsuro: *See—*

Yamane, Akio; Kawasoe, Tatsuro; Tsukumo, Noriko; and Miyoshi, Kenichi, 4,876,335, Cl. 536-27.000.

Kawasumi Kagaku Kougiyou Kabushiki Kaisha: *See—*

Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, 4,879,340, Cl. 525-54.200.

Kawasumi, Ken-ichi; and Inada, Akio, to Hitachi, Ltd. Apparatus for treating surface of object with ultraviolet rays and reaction gas. 4,842,828, 6-27-89, Cl. 422-186.300.

Kawasumi Laboratories, Inc.: *See—*

Ishizaki, Makoto; Sato, Takateru; Tanaka, Soichi; and Kariu, Keiki, 4,839,055, Cl. 210-641.000.

Kawano, Yasuhiro, 4,867,739, Cl. 604-4.000.

Sugisaki, Yuzuru; Takada, Makoto; Tokuda, Kazuhiko; Suzuki, Yasuo; Oya, Takashi; Tomeba, Shoichi; and Yoshida, Shinichiro, 4,827,970, Cl. 137-486.000.

Kawasumi, Masaya; Kohzaki, Masao; Kojima, Yoshitsugu; Okada, Akane; and Kamigaito, Osami, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Process for producing composite material. 4,810,734, 3-7-89, Cl. 523-216.000.

Kawasumi, Satoshi; Sugiura, Yuzuru; Kondo, Hiroyuki; Miwa, Akihiko; and Suzuki, Kazuhiko, to Aisin Seiki Kabushiki Kaisha. Vacuum operated booster. 4,856,412, 8-15-89, Cl. 91-369.200.

Kawasumi, Yoshio: *See—*

Ogata, Takashi; Kato, Masanori; Kawasumi, Yoshio; Tominaga, Chikara; and Tanaka, Kanji, 4,874,436, Cl. 148-2.000.

Kawata Chuck Manufacturing Co. Ltd.: *See—*

Kawata, Yasuyuki, 4,884,474, Cl. 74-813.00L.

Kawata, Hatsumi: *See—*
Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.

Kawata, Hideaki; Azuma, Yusaku; Kuroki, Kenzi; and Shigematsu, Osamu, to Canon Kabushiki Kaisha. Automatic article feeding apparatus. 4,844,680, 7-4-89, Cl. 414-331.000.

Kawata, Hiroitsu: *See—*
Konno, Yutaka; Kawata, Hiroitsu; Aruga, Masayoshi; Sonobe, Takashi; and Mitomi, Mitsuo, 4,879,119, Cl. 424-449.000.

Kawata, Ichiro: *See—*
Okamoto, Takehiko; Ohmory, Akio; Sueoka, Akinori; Kawata, Ichiro; and Akasu, Hiroyuki, 4,874,522, Cl. 210-645.000.

Kawata, Itaru: *See—*
Shirafuji, Tamio; and Kawata, Itaru, 4,849,550, Cl. 568-899.000.
Shirafuji, Tamio; and Kawata, Itaru, 4,849,551, Cl. 568-913.000.

Kawata, Kazuhide; and Suzuki, Hiroyuki, to NEC Corporation. Synchronization signal generator without oscillator. 4,864,401, 9-5-89, Cl. 358-148.000.

Kawata, Kazuhide; and Suzuki, Hiroyuki, to NEC Corporation. Microcomputer capable of testing execution of a program with no branch. 4,870,573, 9-26-89, Cl. 364-200.000.

Kawata, Ken: *See—*
Ozaki, Hiroyuki; and Kawata, Ken, 4,876,184, Cl. 430-607.000.
Sato, Kozo; Ishikawa, Shunichi; and Kawata, Ken, 4,835,272, Cl. 544-158.000.
Yamamoto, Soichiro; and Kawata, Ken, 4,885,224, Cl. 430-138.000.

Kawata, Koichi: *See—*
Nishimura, Shigeru; Kuroda, Toshihisa; and Kawata, Koichi, 4,847,688, Cl. 358-125.000.
Sato, Takeo; Araki, Nobuhiro; Kawata, Koichi; Nomura, Noboru; Ueno, Atushi; and Yoshida, Shotaro, 4,861,148, Cl. 350-505.000.

Kawata, Kouzou: *See—*
Kurosawa, Ryoichi; and Kawata, Kouzou, 4,837,492, Cl. 318-661.000.

Kawata, Kyozo: *See—*
Hamashima, Yoshio; Minami, Kyoji; Kawata, Kyozo; Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; and Tujikawa, Masanori, 4,812,561, Cl. 540-222.000.

Kawata, Masami: *See—*
Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.

Kawata, Mitsuya, to Fujitsu Limited. Semiconductor integrated circuit device having gate array and memory and input-output buffer. 4,825,414, 4-25-89, Cl. 365-189.000.

Kawata, Noboru: *See—*
Takatsu, Kozo; and Kawata, Noboru, 4,837,000, Cl. 423-328.000.

Kawata, Osamu: *See—*
Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, 4,878,933, Cl. 65-29.000.

Kawata, Sadao, to Alps Electric Co., Ltd. Magnetoresistive sensor having protective dummy elements. 4,801,881, 1-31-89, Cl. 324-208.000.

Kawata, Sadao, to Alps Electric Co., Ltd. Method of manufacturing a magnetoresistive sensor. 4,860,432, 8-29-89, Cl. 29-602.100.

Kawata, Shosaku, to Nakanishi Dental Mfg. Co., Ltd. Apparatus for dental treatment provided with check valve in fluid passage. 4,797,098, 1-10-89, Cl. 433-98.000.

Kawata, Shouji; Miyake, Osamu; and Suzumura, Nobuyasu, to Aisin Seiki Kabushiki Kaisha. Speed control apparatus. 4,845,621, 7-4-89, Cl. 364-426.040.

Kawata, Tomoshi, to Kabushikigaisha Tokyo Kikai Seisakusho. Mesh roller for planography. 4,860,652, 8-29-89, Cl. 101-348.000.

Kawata, Tomoshi: *See—*
Ohno, Kinichiro; and Kawata, Tomoshi, 4,803,634, Cl. 364-478.000.

Kawata, Tsutomu: *See—*
Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Kawata, Yasunori; and Kanno, Fujio, to Yokogawa Electric Corporation. Manufacturing line control system. 4,870,590, 9-26-89, Cl. 364-468.000.

Kawata, Yasuyuki, to Kawata Chuck Manufacturing Co. Ltd. Device for indexing. 4,884,474, 12-5-89, Cl. 74-813.00L.

Kawata, Yoshihiro: *See—*
Shimatani, Toshimichi; Kawata, Yoshihiro; Kawashima, Masayuki; and Omori, Hideharu, 4,815,099, Cl. 375-7.000.
Takizawa, Toshimitsu; and Kawata, Yoshihiro, 4,833,550, Cl. 360-75.000.

Kawatani, Masafumi: *See—*
Sano, Tetsuo; Hohki, Tetsuo; Kodama, Eiji; Yoshida, Takumi; Kawatani, Masafumi; and Tsujinaka, Hisayuki, 4,799,175, Cl. 364-552.000.

Kawate, Keith W.: *See—*
Blankenship, Gene E.; Gonsalves, Edward M.; Kawate, Keith W.; Sacarisen, Stephen P.; Giolma, William H.; and Spanjol, Damir A., 4,827,242, Cl. 340-450.000.
Offiler, Stephen B.; Berg, Peter G.; and Kawate, Keith W., 4,866,365, Cl. 322-8.000.
Strott, Douglas B.; and Kawate, Keith W., 4,876,899, Cl. 73-862.330.

Kawate, Kiyoo: *See—*
Hayakawa, Mitsuaki; Tokoro, Hiroyoshi; and Kawate, Kiyoo, 4,821,077, Cl. 355-3.0FU.

Kawatetsu Kenzai Kogyo Co., Ltd.: *See—*
Kinoshita, Ryoji; Misawa, Keizou; Watanabe, Hideaki; Aoki, Hidehiko; Kurokawa, Toshio; and Ono, Hidefumi, 4,825,617, Cl. 52-573.000.

Kawatetsu Kenzai Kogyo Kabushiki Kaisha: *See—*
Imai, Katsuhiko, 4,872,779, Cl. 403-171.000.

Kawato, Humio: *See—*
Mizuno, Shinji; Kawato, Humio; Hanazawa, Kazuyoshi; Aoyama, Tatsuaki; and Ogasawara, Yoshinari, 4,875,911, Cl. 55-162.000.

Kawato, Yutaka: *See—*
Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.

Kawatobi, Tatsuo: *See—*
Furuhashi, Koshi; Miyazaki, Satoshi; Furuya, Masakazu; Kawatobi, Tatsuo; Kouyama, Sinichi; and Kashio, Jiro, 4,875,208, Cl. 370-94.100.
Taniguchi, Hidenobu; and Kawatobi, Tatsuo, 4,879,742, Cl. 379-111.000.

Kawatoko, Toraji: *See—*
Okuda, Masaharu; and Kawatoko, Toraji, 4,864,965, Cl. 118-323.000.

Kawatoko, Tsurayuki: *See—*
Shimizu, Horoshi; Katsura, Yoshihiko; Sakamoto, Hidenori; and Kawatoko, Tsurayuki, 4,866,702, Cl. 370-60.000.

Kawatsu, Hajime, to Ing. Shoji Co., Ltd. Crushing members used in pulverizers. 4,848,683, 7-18-89, Cl. 241-294.000.

Kawatsuki, Nobuhiro; Fujisawa, Katsuya; Matsuzaki, Ichiro; and Lesuki, Masao, to Kuraray Company, Ltd. Transmittance modulation photomask, process for producing the same, and process for producing diffraction gratings using the same. 4,842,969, 6-27-89, Cl. 430-5.000.

Kawatsura, Tohru: *See—*
Imamura, Takaharu; Tsuji, Hiroshi; Aruga, Chikao; and Kawatsura, Tohru, 4,828,598, Cl. 65-104.000.

Kawauchi, Akihiro: *See—*
Arakawa, Tadao; Hashimoto, Tsuguo; and Kawauchi, Akihiro, 4,858,562, Cl. 122-7.00R.

Kawauchi, Haruki: *See—*
Hanzawa, Yukihiko; Kawauchi, Haruki; Mikami, [illegible]; Tsuji, Akinobu; and Kurotobi, Yohji, 4,800,985, Cl. 181-229.000.

Kawauchi, Masataka; Sato, Mitsuyoshi; Innami, Tamio; and Kato, Takeshi, to Hitachi, Ltd. Transacting device. 4,820,909, 4-11-89, Cl. 235-379.000.

Kawauchi, Masataka: *See—*
Mochizuki, Akira; Kawauchi, Masataka; Takezawa, Kenichi; Matsuno, Jyunichi; Tanaka, Kihachiro; and Yoshida, [illegible], 4,870,258, Cl. 235-379.000.
Okayama, Masao; Kawauchi, Masataka; Iwakami, Hideo; and Hamada, Yasunori, 4,866,254, Cl. 235-379.000.

Kawauchi, Takehiko: *See—*
Itaya, Hiroshi; and Kawauchi, Takehiko, 4,845,691, Cl. 368-120.000.

Kawauchi, Yasunobu; and Handa, Koji, to Toshiba Machine Co., Ltd. Laser-beam, pattern drawing/inspecting apparatus. 4,810,095, 3-7-89, Cl. 356-394.000.

Kawauchi, Yasunobu: *See—*
Kasahara, Izumi; Kawauchi, Yasunobu; and Suzuki, [illegible], 4,868,395, Cl. 250-398.000.

Kawauchi, Yoshikazu: *See—*
Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Yoshida, Jun, 4,804,887, Cl. 313-495.000.
Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Yoshida, Jun, 4,812,716, Cl. 315-366.000.

Kawawa, Takaho: *See—*
Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, [illegible]; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.

Kawawada, Naoki: *See—*
Yamamoto, Hiroyoshi; Takesue, Toshiharu; and Kawawada, Naoki, 4,884,859, Cl. 350-96.150.

Kawazoe, Hideyo; Koguchi, Makoto; and Orimo, [illegible], to Furukawa Electric Co., Ltd., The. Burner for producing glass particles and method of making glass. 4,826,520, 5-2-89, Cl. [illegible]

Kawazoe, Kenji: *See—*
Asakura, Osamu; Uchikata, Yoshio; Kawazoe, Kenji; [illegible], Akihiko; Shibamiya, Yoshikazu; and Mizoguchi, [illegible], 4,887,096, Cl. 346-76.0PH.

Kawazoe, Michio. Tripod. 4,852,836, 8-1-89, Cl. 248-168.000.

Kawazoe, Takashi; Tsuchiya, Kiyoshi; and Ioka, Hideyuki, to [illegible] Electric Manufacturing Co., Ltd. Vehicle generator with [illegible] circuit damage prevention. 4,808,866, 2-28-89, Cl. 310-68.0D.

Kawazoye, Yutaka: *See—*
Vlamings, Frank P.; Kawazoye, Yutaka; Hansen, Erling; and Wessels, David W., 4,865,895, Cl. 428-98.000.

Kawazu, Ryuji: *See—*
Yamashita, Yoshio; Kawazu, Ryuji; Itoh, Toshio; Asano, [illegible]; and Kobayashi, Kenji, 4,801,518, Cl. 430-325.000.

Kawazura, Hiroshi: *See—*
Yamashita, Hiroyuki; Odate, Makoto; Iizuka, Hajime; [illegible], Hiroshi; Shiga, Yoshio; and Namekawa, Hiroshi, [illegible] Cl. 514-406.000.

Kawecki, Mark E., to Mars Incorporated. Method and apparatus for mounting components on a printed circuit board or similar mounting surface. 4,827,609, 5-9-89, Cl. 29-832.000.

Kawneer Company, Inc.: *See—*
Matthews, Thomas E., 4,841,700, Cl. 52-235.000.

Kawolics, Raymond P., to Meyer Company, The. Disposable valve with disk-like valve element. 4,881,664, 11-21-89, Cl. 222-153.000.

Kay Chemical Company: *See—*
Cockrell, John R., Jr.; and Thekkekandam, Joseph T., 4,877,459, Cl. 134-40.000.
Cockrell, John R., Jr., 4,877,691, Cl. 428-688.000.

Kay, D. Alan R.; and Wilson, William G. Methods of desulfurizing gases. 4,826,664, 5-2-89, Cl. 423-21.100.

Kay, D. Alan R.; and Wilson, William G. Method for the regeneration of sulfided cerium oxide back to a form that is again capable of removing sulfur from fluid materials. 4,857,280, 8-15-89, Cl. 423-21.100.

Kay, D. Alan R.; and Wilson, William G. Method for providing oxygen ion vacancies in lanthanide oxides. 4,885,145, 12-5-89, Cl. 423-230.000.

Kay, Deborah C.: *See—*
Banerjee, Chandra K.; Kay, Deborah C.; and Lehman, Richard L., 4,827,950, Cl. 131-335.000.

Kay, Ian T.: *See—*
Clough, John M.; and Kay, Ian T., 4,882,341, Cl. 514-332.000.
Turnbull, Michael D.; and Kay, Ian T., 4,797,398, Cl. 514-237.500.

Kay, John: *See—*
Cradden, Eric H.; and Kay, John, 4,827,248, Cl. 340-686.000.

Kay, John M.: *See—*
Wildgoose, Ronald; Kay, John M.; and Blewett, James A., 4,816,652, Cl. 235-379.000.

Kay, John W. D.; and Ford, Glen M., to Akzo N.V. Virus inactivating diluents used in immunoassays. 4,839,298, 6-13-89, Cl. 436-175.000.

Kay, Joseph B. Contact lens cleaning and disinfection. 4,826,658, 5-2-89, Cl. 422-30.000.

Kay, Joseph B., to Microspan Process Controls Limited. Testing apparatus. 4,884,463, 12-5-89, Cl. 73-865.800.

Kay, Nathan; McNab, Donald W.; and Moya, Edward J., to Photofinish Cosmetics Inc. Manually-operated fluid dispenser and associated closure cap. 4,874,117, 10-17-89, Cl. 222-487.000.

Kay, Nathan; McNab, Donald; and Moya, Edward, to Photofinish Cosmetics Inc. Manually-operated fluid dispenser and associated closure cap. 4,883,204, 11-28-89, Cl. 222-192.000.

Kay, Paul O., to Hollister Incorporated. Ostomy appliance coupling with viscoelastic liner. 4,808,173, 2-28-89, Cl. 604-339.000.

Kay, Paul O.: *See—*
Mohiuddin, Mahmood; Schneider, Barry L.; and Kay, Paul O., 4,889,534, Cl. 604-339.000.

Kay, Peter: *See—*
Griffin, Christopher; and Kay, Peter, 4,821,884, Cl. 206-557.000.

Kay, Peter D.; and McDonald, Keith, to Tioxide Group PLC. Emulsion paint. 4,874,806, 10-17-89, Cl. 524-204.000.

Kay, Robert E.; Chan, Hakchill; Ju, Fred; and Bray, Burton A., to Ford Aerospace & Communications Corporation. HgCdTe epitaxially grown on crystalline support. 4,846,926, 7-11-89, Cl. 156-612.000.

Kay, Robert L.: *See—*
LaBudde, Edward V.; and Kay, Robert L., 4,799,429, Cl. 102-393.000.

Kay, Stephen L.: *See—*
Gotfryd, Casimer; Kay, Stephen L.; Klotz, Hartland P.; and Wentzel, Robert M., 4,859,820, Cl. 200-408.000.

Kaya, Hiroshi; Tamura, Kozaburo; and Isoda, Takeshi, to Toa Nenryo Kogyo Kabushiki Kaisha. Method for producing nitride-base ceramics. 4,833,107, 5-23-89, Cl. 501-97.000.

Kaya, Hiroshi: *See—*
Akizuki, Ikuo; Kaya, Hiroshi; Okano, Shohei; Otake, Nobuo; Kumagai, Keiji; and Kaneko, Yoshihito, 4,837,193, Cl. 502-242.000.

Kaya, Toshio; and Fujimoto, Makoto, to Mitsui Petrochemical Industries, Ltd. Method of cutting an organic membrane. 4,797,177, 1-10-89, Cl. 156-630.000.

Kaya, Toshio; Fujimoto, Makoto; and Nakagawa, Hiroaki, to Mitsui Petrochemical Industries, Ltd. Method of producing films using a peeling jig. 4,828,640, 5-9-89, Cl. 156-248.000.

Kayaba Industry Co., Ltd.: *See—*
Asaoka, Masaharu, 4,860,788, Cl. 137-491.000.
Inagaki, Ikuo, 4,827,982, Cl. 137-636.100.
Inoue, Kiyoshi; and Nakazato, Masakazu, 4,825,753, Cl. 92-12.200.
Koiwai, Hideshi; and Sekikawa, Keiji, 4,858,651, Cl. 137-869.000.
Nakagomi, Yukinao, 4,836,087, Cl. 91-29.000.
Sekikawa, Keiji, 4,830,050, Cl. 137-599.200.
Takahashi, Yoneaki; and Sekikawa, Keiji, 4,836,245, Cl. 137-599.000.
Teruyama, Hideo; and Yano, Masaru, 4,859,161, Cl. 418-102.000.
Yano, Kenichi; Midorikawa, Hiroshi; Kamei, Toshiaki; and Shizume, Takeharu, 4,883,250, Cl. 248-638.000.

Kayaba Kogyo Kabushiki Kaisha: *See—*
Hano, Sunao; Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; and Yamanaka, Hiroshi, 4,865,348, Cl. 280-707.000.
Ishi, Masayoshi; and Fuji, Yasuhiro, 4,865,293, Cl. 254-2.00R.
Nishimoto, Yukio, 4,852,703, Cl. 188-284.000.
Nishiumi, Kenichi; and Watanabe, Hideomi, 4,812,802, Cl. 338-128.000.
Nomura, Shinnya; Toyoda, Toshiro; and Ikenoya, Kazuhisa, 4,839,591, Cl. 324-208.000.
Shibata, Nobuo; Suzuki, Toshio; Fujii, Takashi; Arai, Junichi; and Kato, Hisami, 4,805,929, Cl. 280-721.000.
Toiyama, Yoshiro, 4,842,238, Cl. 248-562.000.

Kayahara, Toshihiro: *See—*
Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.

Kayakawa, Hayashi: *See—*
Koshiba, Nobuharu; Momose, Keigo; and Kayakawa, Hayashi, 4,844,994, Cl. 429-60.000.

Kayakiri, Hiroshi: *See—*
Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; Kayakiri, Hiroshi; and Hashimoto, Masashi, 4,857,513, Cl. 514-76.000.
Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; and Kayakiri, Hiroshi, 4,889,851, Cl. 514-223.200.

Kayali, Nabil A., to NK Innovations, Inc. Adjustable drink holder. 4,887,784, 12-19-89, Cl. 248-311.200.

Kayama, Shigeki: *See—*
Munakata, Kazuhiko; and Kayama, Shigeki, 4,821,186, Cl. 364-405.000.

Kayamori, Wataru: *See—*
Suzuki, Sunao; and Kayamori, Wataru, 4,885,656, Cl. 361-86.000.

Kayane, Yutaka; Omura, Takashi; Tezuka, Yasuo; and Sone, Hideharu, to Sumitomo Chemical Company, Limited. Process for preparing phenyl- and naphthylazo-aminonaphthol sulphonic acids. 4,841,027, 6-20-89, Cl. 534-599.000.

Kayane, Yutaka; Otake, Katsumasa; and Tezuka, Yasuo, to Sumitomo Chemical Company, Limited. Reactive dye having both monochlorotriazinyl and vinylsulfone type reactive groups. 4,841,031, 6-20-89, Cl. 534-638.000.

Kayane, Yutaka; Sawamoto, Hirokazu; Omura, Takashi; Harada, Naoki; and Takeshita, Akira, to Sumitomo Chemical Company, Limited. Fiber reactive yellow dye of acetoacetonilide having vinyl sulfone-type reactive group. 4,843,149, 6-27-89, Cl. 534-632.000.

Kayane, Yutaka: *See—*
Ikeou, Shinei; Tokieda, Takemi; Yamauchi, Noriaki; Imada, Kunihiko; and Kayane, Yutaka, 4,832,698, Cl. 8-527.000.
Yamauchi, Noriaki; Imada, Kunihiko; and Kayane, Yutaka, 4,842,614, Cl. 8-564.000.

Kayano, Hiromichi: *See—*
Kida, Katsuaki; Kashihara, Akio; Ishii, Keizou; and Kayano, Hiromichi, 4,803,252, Cl. 526-297.000.

Kayano, Masahiro: *See—*
Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.

Kayano, Masanori: *See—*
Kurobe, Toshio; Kasai, Masayoshi; and Kayano, Masanori, 4,853,211, Cl. 424-44.000.

Kayanuma, Kazuo; and Sasaki, Kazuo, to Texas Instruments Incorporated. Electric fuel heating device. 4,870,249, 9-26-89, Cl. 219-206.000.

Kayanuma, Nobuaki; and Nagai, Toshinari, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system having improved exhaust emission characteristics. 4,809,501, 3-7-89, Cl. 60-274.000.

Kayanuma, Nobuaki: *See—*
Nagai, Toshinari; and Kayanuma, Nobuaki, 4,796,425, Cl. 60-274.000.

Kaydon Corporation: *See—*
Eakin, David F., 4,844,487, Cl. 277-221.000.

Kaye, Arthur, to British Aerospace Public Limited Company. Electrohydraulic actuator assembly. 4,872,310, 10-10-89, Cl. 60-567.000.

Kaye, Gordon E.: *See—*
Marshall, Howard B.; Kaye, Gordon E.; and Prohaska, Raymond J., 4,871,165, Cl. 272-132.000.

Kaye, John A., to A and A Realty Company. Fireplace starter composition. 4,878,922, 11-7-89, Cl. 44-502.000.

Kaye, Randy L., to Schlegel Corporation. Mounting arrangement for sealing strips. 4,818,014, 4-4-89, Cl. 296-146.000.

Kaye, Seymour; and Thompson, William R., to Loral Corporation. Alignment of double eccentric aiming system for solid state camera. 4,884,145, 11-28-89, Cl. 358-229.000.

Kaymar-Parkguard Inc.: *See—*
Hartwig, Klaus, 4,875,797, Cl. 404-9.000.

Kaymaram, Farid, to Magnetic Peripherals Inc. Reducing harmful runout in a rigid magnetic disk through use of shims. 4,875,118, 10-17-89, Cl. 360-99.120.

Kayner, Morris. Desktop organizer. 4,796,847, 1-10-89, Cl. 248-441.100.

Kayoh Technical Industry Co., Ltd.: *See—*
Matsunami, Hiromi, 4,869,760, Cl. 156-151.000.

Kayser, John P.: *See—*
Dombroski, Robert M.; and Kayser, John P., 4,834,218, Cl. 184-3.100.

Kayser, Larry S.: *See—*
Heynen, Jan; Kayser, Larry S.; and Mony, Georges E., 4,884,285, Cl. 375-25.000.

Kayser, Michael: *See—*
Franckowiak, Gerhard; Kayser, Michael; Schramm, Matthias; Thomas, Gunther; Gross, Rainer; Perzborn, Elisabeth; and Seuter, Friedel, 4,876,254, Cl. 514-252.000.
Franckowiak, Gerhard; Rosentreter, Ulrich; Perzborn, Elisabeth; Seuter, Friedel; Kayser, Michael; and Thomas, Gunther, 4,876,255, Cl. 514-252.000.

Franckowiak, Gerhard; Marhold, Albrecht; Bechem, Martin; Gross, Rainer; Kayser, Michael; Schramm, Matthias; and Thomas, Gunther, 4,886,816, Cl. 514-338.000.

Goldmann, Siegfried; Schramm, Matthias; Gross, Rainer; Thomas, Gunther; Bechem, Martin; and Kayser, Michael, 4,804,667, Cl. 514-302.000.

Kinast, Gunther; Schwenner, Eckhard; Kazda, Stanislav; Knorr, Andreas; and Kayser, Michael, 4,808,622, Cl. 514-356.000.

Kaysersberg S.A.: *See—*

Hoeft, Benoit, 4,888,913, Cl. 47-9.000.

Kayukawa, Shigehiro: *See—*

Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadamitsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.

Kaywood, Roy G.: *See—*

Arnold, Philip D.; and Kaywood, Roy G., 4,835,832, Cl. 29-523.000.

Arnold, Philip D.; and Kaywood, Roy G., 4,841,627, Cl. 29-720.000.

Kazahaya, Masahiro: *See—*

Valentin, Jean-Pascal; Maitre, Pierre; and Kazahaya, Masahiro, 4,879,450, Cl. 219-121.640.

Kazakov, Anatoly V.: *See—*

Senyagin, Georgy V.; and Kazakov, Anatoly V., 4,802,328, Cl. 57-9.000.

Kazama, Kouji, to Mitsubishi Denki Kabushiki Kaisha. System of disk device selector circuits for disk controller. 4,858,038, 8-15-89, Cl. 360-69.000.

Kazama, Saburo; and Tamura, Akira, to Hitachi Ltd. Rotary head apparatus with motor magnet and yoke surrounding motor stator coil. 4,875,110, 10-17-89, Cl. 360-64.000.

Kazama, Shigenori: *See—*

Kimura, Hitoshi; Kazama, Shigenori; Shirasaka, Akitoshi; Taki, Kiyoshi; and Manabe, Yukihiro, 4,879,325, Cl. 523-404.000.

Kazama, Toshinori: *See—*

Suzuki, Shoji; Kazama, Toshinori; Daitou, Hiroshi; Takeuchi, Yoshinori; and Yamaguchi, Yuzo, 4,814,906, Cl. 360-75.000.

Kazama, Toyoki; Aizawa, Koichi; Hara, Kenichi; Iijima, Toshiyuki; and Takano, Yukio, to Fuji Electric Co., Ltd. Electrophotographic photoreceptor comprising amorphous silicon and amorphous carbon buffer layer. 4,833,055, 5-23-89, Cl. 430-66.000.

Kazama, Toyoki: *See—*

Aizawa, Koichi; Kazama, Toyoki; Takano, Yukio; and Tamura, Yukihisa, 4,837,137, Cl. 430-65.000.

Kazama, Yasuo: *See—*

Takeuchi, Hirosato; Miyazaki, Osahiko; Kazama, Yasuo; and Kurihara, Naoya, 4,832,170, Cl. 198-346.100.

Kazama, Yoshiharu: *See—*

Takamine, Yoshio; Nakagawa, Takayuki; Kazama, Yoshiharu; Kinoshita, Yoshiaki; and Miyamoto, Shunsuke, 4,811,213, Cl. 364-200.000.

Kazami, Kazuyuki: *See—*

Ogawa, Hidehiro; and Kazami, Kazuyuki, 4,812,699, Cl. 310-316.000.

Wakabayashi, Hiroshi; Kazami, Kazuyuki; Sosa, Toshio; and Miyamoto, Hidenori, 4,825,235, Cl. 354-195.120.

Wakabayashi, Hiroshi; Kazami, Kazuyuki; Nakamura, Toshiyuki; Miyamoto, Hidenori; Tsukahara, Daiki; Machida, Kiyosada; and Katano, Yuji, 4,857,947, Cl. 354-195.100.

Kazami, Takeshi: *See—*

Hibi, Tadaaki; Sugiura, Miyoji; Kano, Hiromi; Kimura, Sigeyuki; and Kazami, Takeshi, 4,800,163, Cl. 435-287.000.

Kazan, Benjamin, to Xerox Corporation. High brightness vacuum fluorescent display (VFD) devices. 4,801,850, 1-31-89, Cl. 315-169.300.

Kazan, Benjamin; and Hagstrom, Stig B. M., to Xerox Corporation. Recording medium. 4,826,732, 5-2-89, Cl. 428-432.000.

Kazan, Benjamin; and Hagstrom, Stig B. M., to Xerox Corporation. Method of and system for atomic scale readout of recorded information. 4,829,507, 5-9-89, Cl. 369-126.000.

Kazan, Benjamin; and Hagstrom, Stig B. M., to Xerox Corporation. System for recording and readout of information at atomic scale densities and method therefor. 4,878,213, 10-31-89, Cl. 369-126.000.

Kazan, Howard; and Kohake, Ronald W., to International Business Machines Corp. Programmable P/C compatible communications card. 4,807,282, 2-21-89, Cl. 379-284.000.

Kazaoka, Kenichi; and Okazaki, Hiroshi, to Aisin Seiki Kabushiki Kaisha. Seat structure for vehicles. 4,850,644, 7-25-89, Cl. 297-325.000.

Kazar, Dennis, to Wells, William K., Jr. Ornamental light display apparatus. 4,870,325, 9-26-89, Cl. 315-178.000.

Kazarinov, Rudolf F.: *See—*

Alferness, Rodney C.; Henry, Charles H.; Kazarinov, Rudolf F.; Olsson, Nils A.; and Orlowsky, Kenneth J., 4,852,960, Cl. 350-96.190.

Kazawa, Tohru: *See—*

Amada, Eiichi; Shirasu, Hirotoshi; Takatori, Hiroshi; Kazawa, Tohru; Suzuki, Toshiro; Miyamoto, Takanori; and Kameyama, Tatsuya, 4,841,521, Cl. 370-31.000.

Kazawa, Yoshiaki: *See—*

Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.

Kazda, Stanislav: *See—*

Garthoff, Bernward; Gerold, Marcel; Hefti, Fridolin; Kazda, Stanislav; and Knorr, Andreas, 4,859,665, Cl. 514-221.000.

Kinast, Gunther; Schwenner, Eckhard; Kazda, Stanislav; Knorr, Andreas; and Kayser, Michael, 4,808,622, Cl. 514-356.000.

Schwenner, Eckhard; Stegelmeier, Hartmut; Kazda, Stanislav; and Knorr, Andreas, 4,861,782, Cl. 514-294.000.

Wehinger, Egbert; Meyer, Horst; Knorr, Andreas; and Kazda, Stanislav, 4,798,840, Cl. 514-356.000.

Wehinger, Egbert; Meyer, Horst; Bossert, Friedrich; Vater, Wulf; Towart, Robertson; Stoepel, Kurt; and Kazda, Stanislav, 4,849,433, Cl. 514-356.000.

Kazehara, Kenya: *See—*

Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Ueno, Yoshio, 4,842,965, Cl. 429-56.000.

Yoshimitsu, Kazumi, deceased; Sekido, Shintaro; Kazehara, Kenya; Kajita, Kozo; and Manabe, Toshikatsu, 4,888,255, Cl. 429-101.000.

Kazerooni, Homayoon, to University of Minnesota, Regents of the. Active compliant end-effector with force, angular position, and angular velocity sensing. 4,884,941, 12-5-89, Cl. 414-744.500.

Kazewych, Bohdan: *See—*

Hlavaty, David G.; and Kazewych, Bohdan, 4,827,669, Cl. 49-436.000.

Kazior, Thomas E.; and Durschlag, Mark S., to Raytheon Company. Simultaneous formation of via hole and tub structures for GaAs monolithic microwave integrated circuits. 4,807,022, 2-21-89, Cl. 357-81.000.

Kazla, Algis A.: *See—*

Fedaravichjus, Algimantas Y.; Kazla, Algis A.; Rimshyalis, Kiemensas K.; and Ragulskis, Kazimeras M., 4,841,629, Cl. 29-737.000.

Kazlauskas, Gasparas. Tube welder. 4,810,848, 3-7-89, Cl. 219-60.00A.

Kazlauskas, Gasparas. Cassette welding head apparatus. 4,857,69 15-89, Cl. 219-60.00A.

Kazlauskas, Romas J., to General Electric Company. Method for preparing optically active binaphthol and spirobiindanol. 4,879,42 11-7-89, Cl. 568-737.000.

Kazlauskas, Vidas P.: *See—*

Holen, James T.; and Kazlauskas, Vidas P., 4,883,761, Cl. 436-45.000.

Kazmaier, Guenther: *See—*

Goller, Ernst; Wurst, Dieter; Kazmaier, Guenther; and Fr Jochen, 4,858,446, Cl. 77-126.00R.

Kazmaier, Peter M.: *See—*

Loutfy, Rafik O.; Kazmaier, Peter M.; Hor, Ah-Mee; and Ber, Richard A., 4,808,506, Cl. 430-59.000.

Kazmerski, Lawrence L., to United States of America, Energy. Method and apparatus for analyzing the internal chemistry and compositional variations of materials and devices. 4,874,946, 10-17-89, Cl. 250-309.000.

Kazmierczak, Robert T.; MacLeay, Ronald E.; and Wicher, Jerome, to Pennwalt Corporation. Phenolic antioxidant hydrazides. 4,801,76 1-31-89, Cl. 564-158.000.

Kazmierczak, Robert T.: *See—*

MacLeay, Ronald E.; and Kazmierczak, Robert T., 4,824,884, Cl. 524-99.000.

Kazmierzak, Robert T.; and MacLeay, Ronald E., to Pennwalt Corporation. Polymer bound hindered amine light stabilizers. 4,857,59 8-15-89, Cl. 525-142.000.

Kazou, Mitsuaki: *See—*

Sakuma, Kazuhiro; Itoh, Hirohito; Kazou, Mitsuaki; and Kuramoto, Kenji, 4,854,169, Cl. 73-517.00B.

Kazovsky, Leonid G., to Bell Communications Research, Inc. Simultaneous transmission of LED and laser signals over single mode fiber. 4,824,201, 4-25-89, Cl. 380-96.160.

Kazuharu, Watabe: *See—*

Ryoichi, Kimura; Noriaki, Hattori; and Kazuharu, Watabe, 4,868,862, Cl. 379-58.000.

Kazuhiko, Takai, to Sanden Corporation. Automatic expansion valve for a refrigeration circuit. 4,840,039, 6-20-89, Cl. 62-244.000.

Kazui, Hidetaka; and Takano, Tomiyoshi, to Yoshida Kogyo K.K. Separable slide fastener. 4,878,275, 11-7-89, Cl. 24-436.000.

Kazumi, Jiro: *See—*

Tsujimoto, Shinichi; and Kazumi, Jiro, 4,834,503, Cl. 350-332.00

Kazumi, Takashi; Yano, Chitoshi; and Hayashi, Minoru, to Nippon Koki Co., Ltd. Gas-generating composition. 4,834,818, 5-30-89, Cl. 149-35.000.

Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Closed cycle gas refrigerator. 4,822,390, 4-18-89, Cl. 62-6.000.

Kazumoto, Yoshio; Furuishi, Yoshiro; and Kashiwamura, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Refrigerator. 4,856,283, 8-15-89, Cl. 62-6.000.

Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Gas cycle machine. 4,872,313, 10-10-89, Cl. 62-6.000.

Kazumoto, Yoshio: *See—*

Suganami, Takuya; and Kazumoto, Yoshio, 4,817,390, Cl. 62-6.00

Kazuno, Kenji: *See—*

Kise, Masahiro; Kitano, Masahiko; Ozaki, Masakuni; Kazuno, Kenji; Shirahase, Ichiro; Tomii, Yoshifumi; and Segawa, Jun, 4,843,070, Cl. 514-210.000.

Kise, Masahiro; Ozaki, Masakuni; Kazuno, Kenji; Tomii, Yoshifumi; Segawa, Jun; and Yasufuki, Shoji, 4,882,328, Cl. 514-236.200.

Kazuo, Horikawa: *See—*

Goto, Chiaki; and Kazuo, Horikawa, 4,829,175, Cl. 250-236.000

Kazusaka, Shoji: *See—*

Sakakino, Takahiro; Ohmori, Koji; Yoshimura, Takashi; Kazusaka, Shoji; and Sunagawa, Yoshitaka, 4,841,109, Cl. 200-302.100.

Kazuta, Bruce H., to 4N Developments Ltd. Power transmission apparatus. 4,800,768, 1-31-89, Cl. 74-63.000.

Kazyak, Lawrence P., to Ford Motor Company. Body panel mounting receptacles. 4,818,164, 4-4-89, Cl. 411-82.000.

Kazyak, Lawrence P.: *See—*

Dixon, James R.; Gentle, Derek F.; Janotik, Adam M.; Kazyak, Lawrence P.; Mansour, Tahir M.; Papadakis, Emmanuel P.; and Stroberg, Gordon G., 4,868,968, Cl. 29-460.000.

Kazz, Michael. Track shoe with a detachable spike plate by the use of plastic spikes. 4,875,300, 10-24-89, Cl. 36-134.000.

KB Alloys, Inc.: *See—*

Sigworth, Geoffrey K., 4,812,290, Cl. 420-552.000.

Sigworth, Geoffrey K., 4,873,054, Cl. 420-552.000.

KB Denver, Inc.: *See—*

Watkins, Richard R.; Brumit, Dale E.; and Coey, Thomas R., 4,845,319, Cl. 200-5.00A.

KB Electronics, Inc.: *See—*

Pertessis, John; and Knauer, Joseph, 4,804,901, Cl. 318-786.000.

KCL Corporation: *See—*

Branson, Mark, 4,796,300, Cl. 383-63.000.

Branson, Mark E., 4,863,286, Cl. 383-63.000.

KDC Corporation: *See—*

Kompanek, Harry W.; and Ming, Rickey H., 4,878,057, Cl. 341-34.000.

KDI American Products, Inc.: *See—*

Malek, Jack H.; and Markley, Stephen A., 4,800,046, Cl. 261-50.300.

Malek, Jack H., 4,863,328, Cl. 411-114.000.

KDL Technologies, Inc.: *See—*

Kron, Reuben E.; and Litt, Mitchell, 4,858,127, Cl. 364-413.070.

Ke, Charles H.: *See—*

Benjamin, Earl J.; Ke, Charles H.; Hynson, Richard B.; and Hsu, Chi Ming L., 4,847,104, Cl. 426-549.000.

Ke, Victor H.: *See—*

Tang, Jiunn-Yann; Brown, Regina A.; and Ke, Victor H., 4,861,604, Cl. 426-94.000.

Ke, Yeong-Sh. Door back hanging organizer device. 4,846,430, 7-11-89, Cl. 248-215.000.

Keal, John P.: *See—*

Waggener, William N., Sr.; and Keal, John P., 4,829,540, Cl. 375-1.000.

Keana, John F. W., to State of Oregon Acting by and Through the State Board of Higher Education on Behalf of the University of Oregon, The. Methods for circumventing the problem of free radial reduction associated with the use of stable nitroxide free radicals as contrast agents for magnetic reasonance imaging. 4,863,717, 9-5-89, Cl. 424-9.000.

Keane, Anthony: *See—*

Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Helm, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, 4,829,554, Cl. 379-58.000.

Keane, James, to Linnola Ltd. Formation of membrane-like material. 4,832,833, 5-23-89, Cl. 208-390.000.

Keane, Martin A., to Bally Manufacturing Corporation. Nonuniform probability reel stop mechanism for gaming machines. 4,858,932, 8-22-89, Cl. 273-143.00R.

Keane, Martin A.: *See—*

Englehardt, William H.; Keane, Martin A.; Svilans, Olgerts J.; and Krch, Russell W., 4,831,242, Cl. 235-382.000.

Keane, Michael, Jr.: *See—*

Gier, Thurman E.; Shannon, Robert D.; Sonnichsen, George C.; Corbin, David R.; and Keane, Michael, Jr., 4,806,689, Cl. 564-474.000.

Keane, Peter E.: *See—*

Verniere, Jean-Claude; Simiand, Jacques; and Keane, Peter E., 4,835,163, Cl. 514-312.000.

Keane, Stephen: *See—*

McNamara, William J.; and Keane, Stephen, 4,884,342, Cl. 30-162.000.

Keane, Thomas J. Combined gloss and color measuring instrument. 4,886,355, 12-12-89, Cl. 356-73.000.

Kearfott Guidance & Navigation Corporation: *See—*

Ferriss, Lincoln S.; and Weitzner, Mark A., 4,856,901, Cl. 356-350.000.

Friedland, Bernard, 4,888,705, Cl. 364-508.000.

Ljung, Bo H. G., 4,861,161, Cl. 356-350.000.

Ljung, Bo H. G.; and Stiles, John C., 4,865,452, Cl. 356-354.000.

Ljung, Bo H. G., 4,886,364, Cl. 356-350.000.

Shernoff, Donald I., 4,877,311, Cl. 356-350.000.

Kearnes, Thom; Wennerstrom, Joel; and Glover, William, to State Chemical Mfg. Co., The. Fragrance vapor dispenser mounting bracket. 4,857,240, 8-15-89, Cl. 261-26.000.

Kearney, Dolores C.: *See—*

Matz, Bruno; and Kearney, Dolores C., 4,816,199, Cl. 264-53.000.

Kearney, James E.: *See—*

Anderson, Philip M., III; Kearney, James E.; Suchomel, Michael; and Urbanski, Jeffrey C., 4,868,915, Cl. 340-825.310.

Kearney, John M., to Armstec, Inc. Device for facilitating loading of a shotgun. 4,862,621, 9-5-89, Cl. 42-87.000.

Kearney, Mark B.; and Koglin, Dennis M., to Delco Electronics Corporation. Differential voltage to current converter. 4,866,312, 9-12-89, Cl. 307-496.000.

Kearney, Mark B.: *See—*

Koglin, Dennis M.; and Kearney, Mark B., 4,883,992, Cl. 307-491.000.

Luettgen, Michael J.; Koglin, Dennis M.; Kearney, Mark B.; Hart, John M., Jr.; and Brown, Ronald E., 4,850,227, Cl. 73-708.000.

Kearney-National, Inc.: *See—*

Osborne, Anthony, 4,806,898, Cl. 337-146.000.

Kearney, Thomas G.; and Johnson, Charles K. Portable receptacle. 4,805,820, 2-21-89, Cl. 224-252.000.

Kearney & Trecker Corporation: *See—*

Watson, Robert C., 4,845,834, Cl. 29-568.000.

Kearns, Alvin L. Flow control and protector device for an outboard motor. 4,832,634, 5-23-89, Cl. 440-67.000.

Kearns, John J.; Tremblay, Paul A.; Robey, Raymond J.; and Sunder, Swaminathan, to Air Products and Chemicals, Inc. Process for purification of phospholipids. 4,814,111, 3-21-89, Cl. 260-403.000.

Kearns, Joyce M.; and Scarpellino, Richard, to General Foods Corporation. Microwave cooking. 4,795,649, 1-3-89, Cl. 426-243.000.

Kearns, Michael J.; and Comer, Michael J., to Boehringer Mannheim GmbH. Process for culturing biological material. 4,840,905, 6-20-89, Cl. 435-240.250.

Keasey, Alan: *See—*

Dennis, Robert W.; Dye, Charles J.; and Keasey, Alan, 4,839,096, Cl. 252-8.515.

Keasler, William E., Jr.: *See—*

Farrow, Cecil W.; Keasler, William E., Jr.; Maruscsak, Joseph; and Shaw, David G., 4,825,459, Cl. 379-3.000.

Keast, Alfred W. Stacking gates or doors. 4,852,300, 8-1-89, Cl. 49-102.000.

Keate, Christopher R., to Unisys Corporation. High-speed analog multiplier—absolute value detector. 4,833,639, 5-23-89, Cl. 364-841.000.

Keate, Christopher R.; and Arbanas, Glenn A., to Unisys Corporation. High frequency lock detecting circuit. 4,870,382, 9-26-89, Cl. 331-4.000.

Keate, Christopher R., to Unisys Corporation. Variable frequency rate receiver. 4,870,660, 9-26-89, Cl. 375-88.000.

Keate, Christopher R.; and Mac Thornock, Jeffrey. High speed multichannel phase detector. 4,887,042, 12-12-89, Cl. 328-133.000.

Keates, Richard H.; and Schneider, Richard T. Cornea contour mapping. 4,799,785, 1-24-89, Cl. 351-212.000.

Keates, Richard H.: *See—*

Schneider, Richard T.; and Keates, Richard H., 4,806,005, Cl. 350-557.000.

Schneider, Richard T.; and Keates, Richard H., 4,813,779, Cl. 351-226.000.

Keating, David: *See—*

Pilat, John; Keating, David; and Colella, Wayne, 4,873,652, Cl. 364-518.000.

Keating Environmental Service, Inc.: *See—*

Keating, Paul J., II; Barron, Alvah V.; Derman, Jay D.; and Bradley, William D., 4,815,398, Cl. 110-233.000.

Keating, Kenneth B.: *See—*

Graham, Arthur H.; and Keating, Kenneth B., 4,846,941, Cl. 204-44.600.

Graham, Arthur H.; and Keating, Kenneth B., 4,849,303, Cl. 428-670.000.

Keating, Kenneth P.: *See—*

Marquis, Edward T.; Sanderson, John R.; and Keating, Kenneth P., 4,845,251, Cl. 549-529.000.

Keating, Michael D. Pocket sized exercising appliance. 4,828,249, 5-9-89, Cl. 272-68.000.

Keating, Paul J., II; Barron, Alvah V.; Derman, Jay D.; and Bradley, William D., to Keating Environmental Service, Inc. Method and apparatus for detoxifying soils. 4,815,398, 3-28-89, Cl. 110-233.000.

Keating, Robert F.: *See—*

Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.

Keating, William; and Flanagan, John. Anti theft system for motor vehicles and the like. 4,805,722, 2-21-89, Cl. 180-287.000.

Keaton, Clyde D. Hydraulic continuous press with improved drive. 4,824,354, 4-25-89, Cl. 425-345.000.

Keaton, George H.: *See—*

Gebhardt, Edwin J.; Keaton, George H.; and Sinar, Michael M., 4,832,276, Cl. 242-78.100.

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Keats, Richard L.: *See—*

Auer, Robert T.; Keats, Richard L.; and Chung, Jore M., 4,889,514, Cl. 446-230.000.

Hoffman, Leo; Auer, Robert T.; Keats, Richard L.; Roener, Stephan; and Stern, Lawrence, 4,848,577, Cl. 206-467.000.

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Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Wil-

liams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
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Kebo, Reynold S., to Hughes Aircraft Company. Infrared afocal zoom telescope. 4,802,717, 2-7-89, Cl. 350-1.300.
Kebo, Reynold S., to Hughes Aircraft Company. Four mirror afocal wide field of view optical system. 4,804,258, 2-14-89, Cl. 350-505.000.
Keck, Arthur C., to General Electric Company. Terminal block assembly for a leadless motor. 4,851,725, 7-25-89, Cl. 310-71.000.
Keck, Donald B.; Lyons, Donald R.; and Nolan, Daniel A., to Corning Glass Works. Method of making low loss fiber optic coupler. 4,799,949, 1-24-89, Cl. 65-3.120.
Keck, Donald B., and Love, Walter F., to Ciba Corning Diagnostics Corp. Dielectric waveguide sensors and their use in immunoassays. 4,880,752, 11-14-89, Cl. 435-7.000.
Keck, Johannes: *See*—
Seydel, Joachim K.; Pieper, Helmut; Kruger, Gerd; Noll, Klaus; Keck, Johannes; and Lechner, Uwe, 4,829,058, Cl. 514-155.000.
Keck, Rick W.: *See*—
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Keck, Volkamr: *See*—
Wolf, Franz J.; Pletsch, Hubert; Weber, Otto; and Keck, Volkamr, 4,807,857, Cl. 267-140.300.
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Freier, Donald F.; Steffen, Jack W.; and Kecman, Michael M., 4,829,632, Cl. 16-114.00R.
Kecskes nee Ivan, Katalin: *See*—
Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
Kedbrant, Tommy, to Kedbrant, Tommy; Soderstrom, Bo; and Gerhartz, Bengt-Ake. Air supply device. 4,817,507, 4-4-89, Cl. 98-40.030.
Keddy, Rex J.: *See*—
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Kedjierski, Fred D., to World Electronics, Inc. Hybrid electronic radio repeater. 4,862,514, 8-29-89, Cl. 455-161.000.
Kedrin, Vladimir K.: *See*—
Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
Kedward, Eric C.: *See*—
Honey, Francis J.; Kedward, Eric C.; and Foster, John, 4,810,334, Cl. 204-16.000.
Kedzierski, Heinrich: *See*—
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Kee Equipment and Engineering: *See*—
Kee, Howard; and Goff, Frederick, 4,874,049, Cl. 177-59.000.
Kee, Howard; and Goff, Frederick, to Kee Equipment and Engineering. Automatic weighing method and apparatus. 4,874,049, 10-17-89, Cl. 177-59.000.
Kee, William C.; Brannigan, Patrick M.; and Clarke, Cornelius B., to Anner Research and Development Limited. Electrical connector. 4,857,008, 8-15-89, Cl. 439-352.000.
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Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, 4,828,617, Cl. 106-14.340.
Keeble, Frank, to Christopher David Dobson. Ion etching and chemical vapour deposition. 4,844,775, 7-4-89, Cl. 156-643.000.
Keeble, Peter J.: *See*—
Frost, Peter L. J.; Freeman, Robert A.; Warren, John A.; and Keeble, Peter J., 4,856,760, Cl. 254-134.400.
Keech, Dorothy A.: *See*—
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Keedy, Vincent W., Jr.; and Roth, Elwood A., to Du Pont de Nemours, E. I., and Company. Yarn crimping apparatus and control thereof. 4,866,822, 9-19-89, Cl. 28-250.000.
Keefe, James V., to Speedfam Corporation. Multilevel grinding apparatus and method. 4,821,459, 4-18-89, Cl. 51-109.00R.
Keefe, Walter D.; and Pomplin, John A., to Container Corporation of America. Container with integral interlocking cover. 4,809,908, 3-7-89, Cl. 229-150.000.
Keefer, Bowie G. Apparatus and process for pressure swing adsorption separation. 4,801,308, 1-31-89, Cl. 55-25.000.
Keefer, Bowie G. Gas phase chemical reactor. 4,816,121, 3-28-89, Cl. 204-156.000.
Keefer, Dennis R., to University of Tennessee Research Corporation. Laser fluorescence velocimeter. 4,807,990, 2-28-89, Cl. 356-28.500.
Keefer, Donald W., to Classic Corporation. Reinforced rail assembly for waterbeds. 4,879,775, 11-14-89, Cl. 5-400.000.
Keefer, Richard M., to Alcan International Limited. Container for microwave heating including means for modifying microwave heating distribution, and method of using same. 4,814,568, 3-21-89, Cl. 219-10.55E.
Keefer, Richard M., to Alcan International Limited. Package of material for microwave heating including container with stepped structure. 4,831,224, 5-16-89, Cl. 219-10.55E.
Keefer, Richard M., to Alcan International Limited. Microwave container and method of making same. 4,866,234, 9-12-89, Cl. 219-10.55E.
Keefer, Richard M., to Alcan International Limited. Microwave container with dielectric structure of varying properties and method of using same. 4,888,459, 12-19-89, Cl. 219-10.55E.
Keeffe, William M.; Waymouth, John F.; and Zaslavsky, Gregory, to GTE Products Corporation. Arc discharge lamp with electrodeless ultraviolet radiation starting source. 4,812,714, 3-14-89, Cl. 315-60.000.
Keeffe, William M.; Krasko, Zeya; Karlotski, Robert J.; and Morris, James C., to GTE Products Corporation. Metal-halide lamp having heat redistribution means. 4,859,899, 8-22-89, Cl. 313-25.000.
Keeffe, William M.; Karlotski, Robert J.; Kulik, Joseph S.; and [illegible] Simone P., to GTE Products Corporation. Double-enveloped lamp having a shield surrounding a light-source capsule within a thick walled outer envelope. 4,888,517, 12-19-89, Cl. 313-25.000.
Keeffe, William M.; and Krasko, Zeya K., to GTE Products Corporation. Metal halide discharge lamp with arc tube temperature equalizing means. 4,890,030, 12-26-89, Cl. 313-25.000.
Keeffe, William M.: *See*—
Krasko, Zeya K.; and Keeffe, William M., 4,825,127, Cl. 313-638.000.
White, Philip J.; Morris, James C.; and Keeffe, William M., 4,850,499, Cl. 220-2.10R.
White, Philip J.; Morris, James C.; and Keeffe, William M., 4,850,500, Cl. 220-2.10R.
Zaslavsky, Gregory; Barakitis, Nikolaos; and Keeffe, William M., 4,818,915, Cl. 315-60.000.
Keegan, Colm M. P.; Hawker, Michael J.; and Goodwin, Peter J., to Clayton Dewandre Co. Ltd. Master cylinder piston with floating sealing ring recuperation valve. 4,866,938, 9-19-89, Cl. 60-588.000.
Keegan, John J., Jr.: *See*—
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Keegan, Michael P.: *See*—
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Keegan, Timothy J., to Amdahl Corporation. Selectable timing circuit. 4,805,195, 2-14-89, Cl. 375-106.000.
Keehn, William T.: *See*—
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Keel, Beat G.; Tran, Tuan P.; Bonnie, Gene P.; and Schwarz, Edward L., to Magnetic Peripherals Inc. Thin film head with reduced cross section in the core for causing magnetic saturation in the leading gap throat area. 4,819,111, 4-4-89, Cl. 360-125.000.
Keel, Beat G.: *See*—
Schwarz, Edward L.; and Keel, Beat G., 4,800,454, Cl. 360-[illegible]
Keel, Jerry L.; Hines, Thomas M.; Davis, Glen; and Parks, William L., to Aves Electronics Inc. Environmental stress screening apparatus. 4,812,750, 3-14-89, Cl. 324-158.00F.
Keeler, Donald E.; Bombolevich, Edward; and Simocchi, Michael [illegible], to International Paper Company. Apparatus for indexing and feeding fitment web and related method. 4,846,915, 7-11-89, Cl. 156-[illegible]
Keeler, John H., to American Home Products Corporation. [illegible] directional doppler frequency domain output circuit. 4,888,[illegible], 12-19-89, Cl. 367-90.000.
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Keeley, James W.; and Barlow, George J., to Honeywell Bull Inc. Multiprocessor level change synchronization apparatus. 4,[illegible], 1-31-89, Cl. 364-200.000.
Keeley, James W.: *See*—
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Keelor, Richard O.: *See*—
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Crawford, Thomas C.; Keely, Stanley L.; Larson, David L.; Lombardino, Joseph G.; and Maciejko, James J., 4,874,757, Cl. 514-226.500.
Keem, John; and Im, Jun S., to Ovonic Synthetic Materials Company, Inc. Method of manufacturing, concentrating, and separating enhanced magnetic parameter material from other magnetic coproducts. 4,834,811, 5-30-89, Cl. 148-101.000.
Keem, John; Im, Jun S.; Tyler, John; Bergeron, Richard; Dennis, Kevin; and Hoeft, David, to Ovonic Synthetic Materials Company, Inc. Method of forming alloy particulates having controlled submicron crystallite size distributions. 4,867,785, 9-19-89, Cl. 75-0.50C.
Keen, Billy J., Jr.: *See*—
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Keen, Brian T.: *See*—
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Keen, Fred. Refillable toner cartridge and method of manufacture thereof. 4,816,877, 3-28-89, Cl. 355-123.000.
Keen, Joseph M.; and Schiller, David S., to Honeywell Inc. Fire alarm system. 4,881,060, 11-14-89, Cl. 340-511.000.
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Keenan, Douglas M., to Thomson Consumer Electronics, Inc. Multi-brand universal remote control. 4,866,434, 9-12-89, Cl. 340-825.720.
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Keenan, James P. Recoil assembly for pump guns. 4,837,961, 6-13-89, Cl. 42-72.000.
Keenan, Paul A.: *See*—
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Keenan, Paul C., III, to Du Pont de Nemours, E. I., and Company. Method and apparatus for calibrating optical sensors. 4,836,682, 6-6-89, Cl. 356-445.000.
Keene, Bruce W.: *See*—
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Keene, Donna L.; and Hicks, Darrell D., to Hoechst Celanese Corporation. Protective coatings of a cured hydroxystyrene mannich base and blocked polyisocyantes. 4,872,960, 10-10-89, Cl. 204-181.700.
Keene, Donna L.; and Hicks, Darrell D., to Hoechst Celanese Corporation. Poly(epoxide) coatings containing a mannich base of a hydroxystyrene containing polymer. 4,877,502, 10-31-89, Cl. 204-181.700.
Keene, Donna L.: *See*—
Rupp, Raymond W.; and Keene, Donna L., 4,822,862, Cl. 525-367.000.
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Keene, Howard B., to Figgie International, Inc. Baseball glove with a flexible heel construction. 4,847,915, 7-18-89, Cl. 2-19.000.
Keene, Joseph P.: *See*—
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Keene, Wayne H.; Dorschner, Terry A.; and Howell, James M., to Raytheon Company. Optical time delay apparatus. 4,813,766, 3-21-89, Cl. 350-337.000.
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Keener, Gary F.: *See*—
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Keener, Harold M.: *See*—
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Keener, Richard A.: *See*—
Rice, Verle L., and Keener, Richard A., 4,807,507, Cl. 83-783.000.
Rice, Verle L.; and Keener, Richard A., 4,819,703, Cl. 144-230.000.
Rice, Verle L.; and Keener, Richard A., 4,884,604, Cl. 144-84.000.
Keeny, Thomas R., to Molins Machine Company, Inc. Web director. 4,844,316, 7-4-89, Cl. 226-110.000.
Keep, Gerald T., to Eastman Kodak Company. Reinforced polyesters, article thereof and method of making low warpage articles. 4,874,809, 10-17-89, Cl. 524-449.000.
Keep, Gerald T., to Eastman Kodak Company. Process of making fused, oriented-grain polymeric materials. 4,879,081, 11-7-89, Cl. 264-101.000.
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Kees, George, Jr., to Codman & Shurtleff, Inc. Aneurysm clip. 4,796,625, 1-10-89, Cl. 128-325.000.
Kees, George, Jr., to Codman & shurtleff, Inc. Reinforcing closer for aneurysm clip. 4,827,930, 5-9-89, Cl. 128-325.000.
Kees, Kenneth L., to American Home Products Corporation. Tetrazoles and their use as hypoglycemic agents. 4,845,231, 7-4-89, Cl. 548-252.000.
Keesee, Robert W.: *See*—
Scaglione, Felice; Nelson, David A.; Keesee, Robert W.; and Morgan, Ronnie G., 4,868,002, Cl. 426-641.000.
Keesen, Heinz-Werner; and Hartnack, Wolfgang, to Deutsche Thomson-Brandt GmbH. Method for the transmission of a video signal. 4,814,871, 3-21-89, Cl. 358-133.000.
Keesen, Heinz-Werner; and Peters, Hartmut, to Deutsche AG fur Unterhaltungselectronic OHG. Process for the digital transmission of information. 4,839,724, 6-13-89, Cl. 358-138.000.
Keesen, Heinz-Werner; and Peters, Hartmut, to Deutsche Thomson-Brandt GmbH. Noise reduction system. 4,882,627, 11-21-89, Cl. 358-166.000.
Keesen, Heinz-Werner: *See*—
Platte, Hans-Joachim; Keesen, Heinz-Werner; Plantholt, Martin; Schutze, Herbert; and Haupt, Dieter, 4,864,409, Cl. 358-222.000.
Keesen, Werner; Hartnack, Wolfgang; and Westerkamp, Dietrich, to Deutsche Thomson-Brandt GmbH. Method for correcting television signals. 4,807,033, 2-21-89, Cl. 358-167.000.
Keesen, Werner: *See*—
Hartnack, Wolfgang; Keesen, Werner; and Schutze, Herbert, 4,860,097, Cl. 358-133.000.
Keesom, Hendrik J.: *See*—
Trinidad, John M.; Keesom, Hendrik J.; Buhrman, C. Wayne; and Heinrich, Dedina M., 4,868,851, Cl. 375-40.000.
Keeter, Kathy L.; and Keeter, Thomas L. Apparatus and process to separate and remove extraneous matter from a liquid stream. 4,832,854, 5-23-89, Cl. 210-788.000.
Keeter, Kathy L.; and Keeter, Thomas L. Apparatus and process to separate and remove extraneous matter from a liquid stream. 4,855,065, 8-8-89, Cl. 210-776.000.
Keeter, Thomas L.: *See*—
Keeter, Kathy L.; and Keeter, Thomas L., 4,832,854, Cl. 210-788.000.
Keeter, Kathy L.; and Keeter, Thomas L., 4,855,065, Cl. 210-776.000.
Keetley, Reginald G.: *See*—
Chevis, Robert W.; and Keetley, Reginald G., 4,854,126, Cl. 60-726.000.
Keevet Laboratories, Inc.: *See*—
DuBose, Ronald A., 4,850,997, Cl. 604-289.000.
Kefer, Volker; Kratzer, Werner; and Reitbacher, Franz, to Siemens Aktiengesellschaft. Device for measuring flow rate in a pipe. 4,829,831, 5-16-89, Cl. 73-861.020.
Kegal, Thomas M.: *See*—
DeCarlo, Joseph P.; and Kegal, Thomas M., 4,876,897, Cl. 73-861.040.
Kegasa, Hideo: *See*—
Hida, Tsuneo; Takizawa, Sumio; Ishii, Hakumi; Kegasa, Hideo; and Izawa, Minoru, 4,881,020, Cl. 318-626.000.
Kegasa, Koyo; Murai, Takafumi; Yamanaka, Osamu; and Fujii, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. PLL frequency synthesizer. 4,797,637, 1-10-89, Cl. 331-4.000.
Kegel, Andrew J.; Spencer, James R.; Smith, James S.; Rhodes, Russell H.; and Mullendore, James A., to GTE Products Corporation. Material for multiple component penetrators and penetrators employing same. 4,836,108, 6-6-89, Cl. 102-306.000.
Kegel, Mary A.; and Wallace, Donald L., to Miles Inc. Use of stabilizing agents in culture media for growing acid producing bacteria. 4,806,479, 2-21-89, Cl. 435-244.000.
Kegelman, Thomas B.: *See*—
Rizza, Robert S.; Fagen, Ben W., Jr.; Raymond, Michael W.; Feher, Peter; Milbard, Norman L.; and Kegelman, Thomas B., 4,862,198, Cl. 346-153.100.
Kegelman, Thomas D.; and Raymond, Michael W., to Moore Business Forms, Inc. AC corona enhancement for electrostatic imaging devices. 4,839,673, 6-13-89, Cl. 346-160.100.
Kegelman, Thomas D.: *See*—
Dean, Walter C., II; and Kegelman, Thomas D., 4,827,295, Cl. 346-160.100.
Dean, Walter C., II; Coburn, Richard J.; and Kegelman, Thomas D., 4,831,393, Cl. 346-160.100.
Kegerreis, James E.: *See*—
Clem, Kenneth R.; Heider, Kenneth J.; Kegerreis, James E.; and Shoukry, Ehsan I., 4,872,967, Cl. 208-65.000.
Keggenhoff, Berthold: *See*—
Sauer, Heinz; Dallmeyer, Hermann; Zarnack, Uwe J.; Keggenhoff, Berthold; and Weber, Bernd, 4,851,571, Cl. 560-347.000.
Kegler, Ernst; Svenka, Konrad; and Thierauf, Klaus, to Siemens Aktiengesellschaft. Write enable ring sensing arrangement for a magnetic tape reel. 4,803,569, 2-7-89, Cl. 360-60.000.
Kehl, Georg; and Schafer, Ernst-Dieter, to Robert Bosch GmbH. Brake pressure control valve. 4,796,667, 1-10-89, Cl. 137-629.000.
Kehl, Georg; and Siegel, Heinz, to Robert Bosch GmbH. Brake system. 4,832,417, 5-23-89, Cl. 303-114.000.

- Kehl, George: *See—*
  - Abbing, Andreas; Bertling, Hannes; Kehl, George; Mergenthaler, Robert; Rischen, Dietmar; Schafer, Ernst-Dieter; Schmitt, Edgar; and Siegel, Heinz, 4,882,976, Cl. 91-376.00R.
- Kehl, Ralf: *See—*
  - Buchmeier, Willi; Kehl, Ralf; and Schwab, Werner, 4,820,417, Cl. 210-638.000.
  - Schwab, Werner; and Kehl, Ralf, 4,834,951, Cl. 423-24.000.
- Keho Alta Industries Ltd.: *See—*
  - Gullickson, Zan, 4,877,090, Cl. 172-102.000.
- Kehoe, Gary S., to Nabisco Brands, Inc. Method for forming an edible product. 4,835,000, 5-30-89, Cl. 426-516.000.
- Kehoe, Gary S.: *See—*
  - Carroll, Thomas J.; and Kehoe, Gary S., 4,800,095, Cl. 426-548.000.
- Kehoe, John R.: *See—*
  - Johnstone, Norman E.; and Kehoe, John R., 4,853,085, Cl. 162-128.000.
- Kehoe, Peter J.: *See—*
  - Harmon, J. Paul; Kehoe, Peter J.; Rhodes, John D.; and Hash, Martin D., 4,853,717, Cl. 346-140.00R.
- Kehr, Clifton L.: *See—*
  - Braatz, James A.; and Kehr, Clifton L., 4,886,866, Cl. 528-59.000.
- Kehr, Wolfgang: *See—*
  - Hilscher, Jean-Claude; Kehr, Wolfgang; Sauer, Gerhard; Schneider, Herbert; and Wachtel, Helmut, 4,853,390, Cl. 514-288.000.
- Kehrbach, Wolfgang: *See—*
  - Schoen, Uwe; Kehrbach, Wolfgang; Hachmeister, Bernd; Buschmann, Gerd; and Kuehl, Ulrich G., 4,879,299, Cl. 514-286.000.
- Kehrberger, Achim: *See—*
  - Hennecke, Rudolf; and Kehrberger, Achim, 4,817,733, Cl. 173-2.000.
- Kehrer, Jurgen; and Schulz, Harald. to Alcatel N.V. Apparatus and method for entering setting commands in a computer-controlled interlocking system. 4,864,534, 9-5-89, Cl. 364-900.000.
- Kehrli, David W.; and Burrous, Allen J., to Schlegel Corporation. Self-draining panel threshold combination. 4,831,779, 5-23-89, Cl. 49-471.000.
- Kei, Mori; Mitsuyuki, Kikyo; and Kouiti, Yabuki, to Kurashiki Kako Co., Ltd. Method for manufacturing rubber vibration insulator using a halogen compound solution. 4,889,578, 12-26-89, Cl. 156-294.000.
- Kei Mori: *See—*
  - Mori, Kei; and Hara, Kazuyoshi, 4,843,530, Cl. 362-413.000.
- Keibler-Thompson Corp.: *See—*
  - Mancuso, Matthew A., 4,859,126, Cl. 409-293.000.
  - Mancuso, Matthew A., 4,874,274, Cl. 409-300.000.
- Keida, Yutaka, to Sumitomo Heavy Industries, Ltd. Material automatic feeding system for injection molding machines. 4,880,372, 11-14-89, Cl. 425-145.000.
- Keidar, Itzhak; Dromi, Asher; Tilman, Menahem; and Harel, Joseph. Container for cigarettes, and cardboard blank for use in making same. 4,886,161, 12-12-89, Cl. 206-246.000.
- Keihin Co., Ltd.: *See—*
  - Mitsuhashi, Yasuhiro, 4,881,129, Cl. 358-434.000.
- Keiichi, Uchida: *See—*
  - Arata, Yasuda; Masao, Kato; Masaaki, Yamabe; and Keiichi, Uchida, 4,822,909, Cl. 560-121.000.
- Keijiro, Hayashi, to Mizuno Corporation. Racket frame. 4,889,338, 12-26-89, Cl. 273-73.00G.
- Keiko, Yasuaki: *See—*
  - Nakamura, Kazuo; and Keiko, Yasuaki, 4,809,387, Cl. 15-119.00R.
- Keil, Gunter; Jakob, Franz; Warning, Klaus; and Herold, Friedrich, to Hoechst Aktiengesellschaft. Shaped structure of aromatic copolyamide from aromatic diamine mixture. 4,847,354, 7-11-89, Cl. 528-340.000.
- Keil, Karl-Heinz: *See—*
  - Bauer, Wolfgang; Keil, Karl-Heinz; Nagl, Gert; Kaiser, Manfred; Steinbach, Joachim; and Sternberger, Klaus, 4,810,254, Cl. 8-554.000.
  - Sternberger, Klaus; Keil, Karl-Heinz; Gevert, Dieter; and Navarrete, Oscar. 4,806,126, Cl. 8-543.000.
- Keil, Michael; Schirmer, Ulrich; Kolassa, Dieter; Kast, Juergen; Rademacher, Wilhelm; and Jung, Johann, to BASF Aktiengesellschaft. Cyclohexenone derivatives useful for regulating plant growth. 4,820,331, 4-11-89, Cl. 71-88.000.
- Keil, Michael; Spiegler, Wolfgang; Jahn, Dieter; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, to BASF Aktiengesellschaft. Cyclohexenone derivatives, preparation thereof and use thereof as herbicidal and plant growth regulator agents. 4,867,784, 9-19-89, Cl. 71-98.000.
- Keil, Michael: *See—*
  - Jahn, Dieter; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Jung, Johann; and Rademacher, Wilhelm, 4,812,160, Cl. 71-88.000.
  - Kast, Juergen; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,842,638, Cl. 71-88.000.
  - Kolassa, Dieter; Keil, Michael; Schirmer, Ulrich; Theobald, Hans; Becker, Rainer; Wuerzer, Bruno; and Meyer, Norbert, 4,880,456, Cl. 71-88.000.
- Keilhauer, Gerhard: *See—*
  - Brana, Miguel F.; Berlanga, Jose M. C.; Keilhauer, Gerhard; and Schlick, Erich, 4,874,863, Cl. 540-99.000.
- Keilholz, Heinz, to U.S. Philips Corporation. Circuit arrangement for synchronizing the units in the switching exchanges and repeaters of a time-division multiplex transmission system. 4,847,836, 7-11-89, Cl. 370-100.000.
- Keilpflug, Klaus: *See—*
  - Vollmer, Karl; and Keilpflug, Klaus, 4,805,681, Cl. 152-417.000.
- Keilty, Goldsmith & Boone: *See—*
  - Slade, Michael G., 4,863,384, Cl. 434-107.000.
- Keim, Karl-Heinz: *See—*
  - Muller, Heinrich; and Keim, Karl-Heinz, 4,801,305, Cl. 44-53.000.
- Keinan, Ehud: *See—*
  - Nudelman, Abraham; Herzig, Jaacov; and Keinan, Ehud, 4,855,417, Cl. 536-121.000.
- Keintz, Roger C.: *See—*
  - Steller, William S.; and Keintz, Roger C., 4,816,060, Cl. 71-92.000.
- Keiper, Francis P., Jr., to F. L. Jennings. Apparatus and method for detecting digital carrier synchronization problems. 4,821,287, 4-11-89, Cl. 375-10.000.
- Keiper Recaro GmbH & Co.: *See—*
  - Bertsch, Otto-Karl; and Amthor, Thomas, 4,832,408, Cl. 297-460.000.
  - Deegener, Elmar, 4,863,209, Cl. 246-65.100.
  - Kluting, Bernd, 4,836,607, Cl. 297-355.000.
  - Schmale, Gerhard, 4,804,226, Cl. 297-216.000.
  - Voss, Hans W.; Cremer, Heinz P.; Cwiertnia, Harald; and Potsch, Peter-Ulrich, 4,842,334, Cl. 297-338.000.
  - Walk, Hansjorg; and Wagener, Heinz J., 4,828,322, Cl. 297-362.000.
  - Walk, Hansjorg, 4,874,204, Cl. 297-362.000.
  - Werner, Heinz; and Kluting, Bernd, 4,832,405, Cl. 297-362.000.
  - Werner, Heinz, 4,836,606, Cl. 297-362.000.
- Keiper Recaro Incorporated: *See—*
  - White, Harry H;; and Ligensa, Karl, 4,872,726, Cl. 297-367.000.
- Keiper, Roman: *See—*
  - Lutz, Walter; and Keiper, Roman, 4,801.508, Cl. 428-483.000.
- Keipl, Stefan: *See—*
  - Annemaier, Dieter; Graf, Robert; and Keipl, Stefan, 4,816,312, Cl. 428-74.000.
- Keir, Alexander S.; and Berry, John C., to Digital Equipment Corporation. Capacitive boost circuit for extending hold up time. 4,811,190, 3-7-89, Cl. 363-60.000.
- Keirstead, William P.: *See—*
  - Huberman, Bernardo A.; Keirstead, William F.; and Singer, Stephanie, 4,835,732, Cl. 364-900.000.
- Keisei Medical Industrial Co., Ltd.: *See—*
  - Purcey, Larry J.; VanderHoff, Douglas A.; Vreeland, Robert H.; Nielsen, James P.; and Ueno, Iowa, 4,835,802, Cl. 5-453.000.
- Keiser, Heinz. Oscillating linear deflection device. 4,828,347, 5-9-89, Cl. 350-6.600.
- Keister, Don M., to Sterling Drug Inc. Method of regulating fertility in swine using epostane. 4,870,068, 9-26-89, Cl. 514-172.000.
- Keister, Pamela P.; Mead, Ralph T.; Muffoletto, Barry C.; Takeuchi, Ester S.; Ebel, Steven J.; Zelinsky, Michael A.; and Greenwood, John M., to Wilson Greatbatch Ltd. Non-aqueous lithium battery. 4,830,940, 5-16-89, Cl. 429-194.000.
- Keiswetter, Paul C. Co-extruded temporary seat cover for new vehicles. 4,884,839, 12-5-89, Cl. 297-219.000.
- Keitaro, Yonezawa: *See—*
  - Ichiro, Kitaura; Shuichi, Tamura; and Keitaro, Yonezawa, 4,830,337, Cl. 254-95.000.
- Keitatsu Co., Ltd.: *See—*
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- Keitel, Gerd: *See—*
  - Begehr, Dieter; Keitel, Gerd; and Burmeister, Rainer, 4,830,514, Cl. 374-178.000.
- Keiter, Alfred; and Sauer, Manfred, to AEG Olympia AG. Ribbon device for typewriters or similar office machines. 4,820,125, 4-11-89, Cl. 400-249.000.
- Keiter, Alfred: *See—*
  - Heins, Hans-Peter; Keiter, Alfred; and Jendricke, Hermann, 4,861,177, Cl. 400-208.000.
- Keith, David W.: *See—*
  - Pritchard, David E.; and Keith, David W., 4,886,964, Cl. 250-251.000.
- Keith, Dennis D.; Wei, Chung-Chen; and Weigele, Manfred, to Hoffmann-La Roche Inc. Methylene penam and derivatives thereof. 4,801,704, 1-31-89, Cl. 540-312.000.
- Keith, Dennis D.: *See—*
  - Albrecht, Harry A.; Konzelmann, Frederick M.; and Keith, Dennis D., 4,831,130, Cl. 540-363.000.
- Keith, Jerry M.; and Locht, Camille, to United States of America Health and Human Services. Pertussis toxin gene: cloning and expression of protective antigen. 4,883,761, 11-28-89, Cl. 435-320.000.
- Keith, John M., to Technology Inc. Method and apparatus for expanding compressed video data. 4,835,607, 5-30-89, Cl. 358-133.000.
- Keith, John M.: *See—*
  - Golin, Stuart J.; Simon, Allen H.; Astle, Brian; and Keith, John M., 4,868,653, Cl. 358-133.000.
  - Harney, Kevin; Keith, John M.; Sprague, David L.; and Astle, Brian, 4,816,913, Cl. 358-133.000.
  - Simon, Allen H.; Sprague, David L.; Keith, John M.; Patti, Michael F.; Harney, Kevin; Ryan, Lawrence D.; Fedele, Nicola J.; and Astle, Brian, 4,823,201, Cl. 358-133.000.
- Keith, John R. Front loading cleaning machine. 4,819,459, 4-11-89, Cl. 68-3.00R.
- Keith, M. Brent. Double drum batch washing machine. 4,829,792, 5-16-89, Cl. 68-27.000.
- Keith, Malcolm E.; and Cayley, Michael P., to Midaco Corporation. Combination pedestal and vacuum system. 4,794,740, 1-3-89, Cl. 51-273.000.

- Keith, Malcolm E.; and Cayley, Michael P., to Midaco Corporation. Pedestal vacuum system for grinder or other tool. 4,805,353, 2-21-89, Cl. 51-273.000.
- Keith, Malcolm E., to Midaco Corporation. Printing platform. 4,811,939, 3-14-89, Cl. 271-146.000.
- Keith, Malcolm E.; and Cayley, Michael P., to Midaco Corporation. Meat cutting machine. 4,829,634, 5-16-89, Cl. 17-24.000.
- Keith, Peter T.; and Voegele, Gerald G., to SciMed Life Systems, Inc. Non-over-the wire balloon catheter. 4,838,268, 6-13-89, Cl. 128-344.000.
- Keith, Roger H., to Minnesota Mining and Manufacturing Company. Shipping and handling container for two part composition. 4,860,888, 8-29-89, Cl. 206-223.000.
- Keith, Stephen M.: *See—*
  - Herbert, Rodney A.; and Keith, Stephen M., 4,851,343, Cl. 435-134.000.
- Keith, William J.; Parsons, Michael; Smith, Russell P.; Glenn, Christopher J.; and Bell, Stephen. Audiometer with interactive graphic display for children. 4,862,505, 8-29-89, Cl. 381-60.000.
- Keith, William L., to United States of America, Navy. Colinear fluctuating wall shear stress and fluctuating pressure transducer. 4,854,174, 8-8-89, Cl. 73-714.000.
- Keithley Instruments Inc.: *See—*
  - Sheridan, Terrence E., 4,843,619, Cl. 378-207.000.
- Keitzman, Benjamin. Surgical instrument for intraocular lens implantation. 4,856,511, 8-15-89, Cl. 128-303.00R.
- Keizo Shida: *See—*
  - Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.
- Kekesi, Sandor; Tamasi, Piroska; Pal, Veronika; Jancso, Sandor; Kristof nee Szvitil, Ilona; Bacsa, Gyorgy; and Kovacs nee Hadady, Katalin, to Biogal Gyogyszergyar. Composition for the treatment of acne. 4,803,069, 2-7-89, Cl. 424-74.000.
- Keklak, John, to Schlumberger Systems, Inc. Graphic display region defining technique. 4,809,201, 2-28-89, Cl. 364-518.000.
- Kelada, Nabih P.: *See—*
  - Lue-Hing, Cecil; and Kelada, Nabih P., 4,804,631, Cl. 436-109.000.
- Kelaita, Joseph B., Jr.; and Collin, Edwin J., to General Electric Company. Undervoltage release accessory for a circuit breaker interior. 4,801,907, 1-31-89, Cl. 335-20.000.
- Kelber, Jeffry A., to United States of America, Energy. Modification of polymeric surface for improved adhesion via electron beam exposure. 4,861,408, 8-29-89, Cl. 156-273.300.
- Kelbert, Serge: *See—*
  - Hampe, Patrick; and Kelbert, Serge, 4,837,261, Cl. 524-268.000.
- Kelch Corp.: *See—*
  - Blomquist, James E., 4,838,083, Cl. 73-320.000.
- Kelco/AIL International Limited: *See—*
  - Clare, Kenneth; and Hopkinson, Erle, 4,826,504, Cl. 8-561.000.
- Kelco International Limited: *See—*
  - Clare, Kenneth; McMullen, James H.; Findlay, Medeana; and Gaisford, Susan E., 4,853,244, Cl. 426-573.000.
  - Clare, Kenneth; and Gibson, William, 4,859,208, Cl. 8-557.000.
- Keldahl, Loren R.; and Lindquist, Dale C., to Conceptus, Inc. Incontinence appliance. 4,846,818, 7-11-89, Cl. 604-329.000.
- Keldany, Rachid, to Ametex AG. Profiled plastic band. 4,869,295, 9-26-89, Cl. 138-129.000.
- Kelderman, Gary L. Hydraulic lock for a flexible tool bar. 4,825,958, 5-2-89, Cl. 172-413.000.
- Kelderman, Herman F.; Fein, Michael E.; Loh, Alan E.; Adams, Arnold; and Neukermans, Armand P., to Tencor Instruments. Confocal measuring microscope with automatic focusing. 4,844,617, 7-4-89, Cl. 356-372.000.
- Kelemen, Livia: *See—*
  - Borris, Robert P.; Burg, Richard W.; Hensens, Otto D.; Huang, Leeyuan; Kelemen, Livia; and Mochales, Sagrario, 4,814,324, Cl. 514-26.000.
- Kelen, George J., to Del Mar Avionics. Micropotential analyzer—a Holter system with comprehensive analysis capability for very low amplitude electrocardiographic signals and method. 4,883,065, 11-28-89, Cl. 128-711.000.
- Keleny, Lloyd G.: *See—*
  - Dalquist, H. David; Jorgensen, Jorgen A.; Keleny, Lloyd G.; Nygren, Donald W.; and Taylor, John N., 4,796,776, Cl. 220-203.000.
- Keleti, Georg: *See—*
  - Youngner, Julius S.; Feingold, David S.; and Keleti, Georg, 4,842,855, Cl. 424-95.000.
- Kelgard, Erik. Method of operating carburetted dual-fuel engines with diesel pilot oil injection. 4,831,99[illegible], 5-23-89, Cl. 123-525.000.
- Kelham, Stephen F., to Imperial Chemical Industries PLC. Dechlorination of aqueous alkali metal chloride solution. 4,857,200, 8-15-89, Cl. 210-651.000.
- Kelkar, Krishnanand: *See—*
  - Shumate, William A.; Kindred, Daniel R.; Antonio, Franklin P.; Gardner, Steven H.; Kelkar, Krishnanand; Bilotta, Thomas R.; and Rogers, Steven L., 4,879,720, Cl. 371-43.000.
- Kelkenberg, Heike; and Ruback, Wulf, to Huls Aktiengesellschaft. Use of polyhydroxyalkylamine-N-N-dicarboxylic acids and their salts as builders in detergents and cleaning agents. 4,882,091, 11-21-89, Cl. 252-527.000.
- Kell, Douglas B.; and Todd, Robert W. Determination of biomass. 4,810,650, 3-7-89, Cl. 435-291.000.
- Kell, Georg: *See—*
  - Heise, Wolfgang; Kell, Georg; and Schuster, Rolf, 4,870,256, Cl. 219-542.000.
- Kell, Ralph W., to Goodyear Tire & Rubber Company, The. Crop gathering head and belt, sprocket and sheave therefor. 4,805,388, 2-21-89, Cl. 56-98.000.
- Kell, Robert E.: *See—*
  - Mendel, Frank C.; Fish, Dale R.; Tanski, William, Jr.; and Kell, Robert E., 4,863,157, Cl. 272-73.000.
- Kelledes, William L.; and O'Neil, Walter K., to Eaton Corporation. Torque transducer. 4,805,463, 2-21-89, Cl. 73-862.330.
- Kelleher, Peter J.: *See—*
  - Lam, Dominic M-K.; and Kelleher, Peter J., 4,871,350, Cl. 604-49.000.
- Kelleher, William J.: *See—*
  - Sorrentino, James V.; Kelleher, William J.; and Moye, Jeanne O., 4,808,410, Cl. 424-435.000.
- Kellems, Rodney E.; and Yeung, Cho-Yau, to Baylor College of Medicine. Amplification of adenosine deaminase genes in mammalian cells using adenosine, alanosine, uridine, and deoxycoformycin. 4,822,736, 4-18-89, Cl. 435-91.000.
- Kellen, James N.; and Taylor, Charles W., to Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive crosslinked by copolymerizable aromatic ketone monomers. 4,847,137, 7-11-89, Cl. 428-195.000.
- Keller, Bruce A.: *See—*
  - Ahlstrom, Mark L.; Keller, Bruce A.; and Storch, Randy S., 4,862,357, Cl. 364-407.000.
- Keller, Carl E. Stress gauge. 4,860,587, 8-29-89, Cl. 73-774.000.
- Keller-Crescent Co., Inc.: *See—*
  - Miller, Richard N., 4,795,081, Cl. 229-19.000.
- Keller, David J.: *See—*
  - Andersen, Delmar L.; Keller, David J.; and Streiff, Paul J., 4,851,243, Cl. 426-74.000.
  - Andersen, Delmar L.; Keller, David J.; and Streiff, Paul J., 4,888,194, Cl. 426-570.000.
- Keller, Dennis J.: *See—*
  - Hall, Dale R.; and Keller, Dennis J., 4,877,856, Cl. 528-44.790.
- Keller, Duane C. Orthodontic appliance. 4,815,968, 3-28-89, Cl. 433-7.000.
- Keller, Ewald: *See—*
  - Lorenz, Josef; Kicherer, Robert; and Keller, Ewald, 4,864,106, Cl. 219-543.000.
- Keller, Fred, Jr. Ceramic aggregate for roadway composition and method of producing same. 4,873,207, 10-10-89, Cl. 501-80.000.
- Keller, Frederick R.: *See—*
  - Jensen, Craig W.; Keller, Frederick R.; Morrow, Joel I.; and Roth, Eric A., 4,821,179, Cl. 364-200.000.
- Keller, Gary E.: *See—*
  - Solheim, John A.; and Keller, Gary E., 4,805,784, Cl. 211-94.000.
- Keller, Glenn; and Miner, Jay G., to Commodore-Amiga, Inc. Peripheral control circuitry for personal computer. 4,829,473, 5-9-89, Cl. 364-900.000.
- Keller, Guenter: *See—*
  - Gernhart, Peter; Hintz, Gerhart; Keller, Guenter; and Pohl, Andreas, 4,821,579, Cl. 73-856.000.
  - Jatho, Ralf; Hintz, Gerhart; and Keller, Guenter, 4,836,031, Cl. 73-800.000.
- Keller, Hans J.; and Villers, Fredrick, to ELTEC Instruments, Inc. Pyroelectric sensor with high sensitivity. 4,868,390, 9-19-89, Cl. 250-338.300.
- Keller, Hans-Peter: *See—*
  - De Coi, Beat; and Keller, Hans-Peter, 4,873,621, Cl. 364-150.000.
- Keller, Heimo; Keppler, Bernhard; Kruger, Uwe; and Linder, Rudolf. Metal complexes having an antineoplastic action and medicaments containing these complexes. 4,804,681, 2-14-89, Cl. 514-493.000.
- Keller, Heimo; and Keppler, Bernhard, to Asta Pharma Aktiengesellschaft. Medicament formulations containing ruthenium compounds with an antitumoral action. 4,843,069, 6-27-89, Cl. 514-184.000.
- Keller, Heinz; Lehner, Martin; Born, Reinhard; and Lotz, Hans-Georg, to Ferd. Ruesch AG. Device for the treatment of substances by UV radiation. 4,798,960, 1-17-89, Cl. 250-504.00R.
- Keller, Heinz J.; and Mueller, Johann R. Extension arrangement and station connecting method for a ring communication system. 4,862,158, 8-29-89, Cl. 340-825.050.
- Keller, Helmut. Method for treating herpes and chronic inflammatory intestinal tract disease. 4,889,716, 12-26-89, Cl. 424-195.100.
- Keller, Henry F.: *See—*
  - Bentley, Richard M.; Ripka, Chester D.; and Keller, Henry F., 4,807,588, Cl. 126-110.00R.
- Keller, Herbert, to Wilhelm Ruf KG. Electronic remote control means, especially for centrally controlled locking systems in motor vehicles. 4,847,614, 7-11-89, Cl. 340-825.560.
- Keller, Ingrid: *See—*
  - Schwengers, Dieter; and Keller, Ingrid, 4,824,946, Cl. 536-55.100.
- Keller, Jakob; and Sattelmayer, Thomas, to BBC Brown Boveri AG. Method and device for process heat generation. 4,867,674, 9-19-89, Cl. 431-351.000.
- Keller, Jakob: *See—*
  - Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, 4,838,783, Cl. 431-284.000.
  - Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, 4,850,194, Cl. 60-737.000.
  - Hellat, Jaan; and Keller, Jakob, 4,805,411, Cl. 60-733.000.
- Keller, James B.: *See—*
  - Bernstein, Debra; and Keller, James B., 4,878,193, Cl. 364-768.000.

Stewart, Robert E.; Natusch, Paul J.; Yu, Eugene L.; and Keller, James B., 4,858,173, Cl. 364-900.000.

Keller, Jay O.: *See—*
Bramlette, T. Tazwell; and Keller, Jay O., 4,805,318, Cl. 34-57.00A.

Keller, Jimmy L.; and Stark, Lloyd R. Radiator cap tool. 4,846,025, 7-11-89, Cl. 81-3.090.

Keller, John A.: *See—*
Jennings, Andrew T.; and Keller, John A., 4,796,178, Cl. 364-200.000.

Keller, John A., Jr.: *See—*
Doner, John P.; Horodysky, Andrew G.; and Keller, John A., Jr., 4,828,732, Cl. 252-32.70E.
Doner, John P.; Horodysky, Andrew G.; and Keller, John A., Jr., 4,828,734, Cl. 252-49.000.

Keller, John F., to Saturn Corporation. Plastic door handle. 4,834,433, 5-30-89, Cl. 292-336.300.

Keller, John H., Selwyn, Gary S.; and Singh, Jyothi, to International Business Machines Corporation. Plasma amplified photoelectron process endpoint detection apparatus. 4,846,920, 7-11-89, Cl. 156-345.000.

Keller, Josef; and Steuer, Werner, to Fichtel & Sachs AG. Connection device for gearshift cable. 4,798,098, 1-17-89, Cl. 74-470.000.

Keller, Karl: *See—*
Kunkel, Bernd; Keller, Karl; and Lutz, Reinhold, 4,819,486, Cl. 73-382.00R.

Keller, Karlfried: *See—*
Becker, Hermann; Lotz, Werner; and Keller, Karlfried, 4,810,252, Cl. 8-94.240.
Forster, Frank; Keller, Karlfried; Becker, Hermann, and Lotz, Werner, 4,822,372, Cl. 8-94.240.

Keller, Lewis: *See—*
Ward, Wendell; Kumar, Surinder; Mack, Melba; Keller, Lewis; and Fitzwater, Margaret, 4,808,422, Cl. 426-143.000.

Keller, Lewis C., to Frito-Lay, Inc. Method for producing expanded, farinaceous food product. 4,869,911, 9-26-89, Cl. 426-94.000.

Keller, Lewis C.; and Bowles, Cecil A., to Frito-Lay, Inc. Continuous production of pretzels. 4,880,653, 11-14-89, Cl. 426-549.000.

Keller, Louis J. Ice fishing device. 4,862,627, 9-5-89, Cl. 43-17.000.

Keller Machine Works: *See—*
McGehee, Ronald R., 4,846,967, Cl. 210-181.000.

Keller, Manfred, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Apparatus for the detection of filterable gas contaminants. 4,795,612, 1-3-89, Cl. 422-64.000.

Keller, Manfred: *See—*
Elser, Dieter; Hetzel, Helmut; and Keller, Manfred, 4,848,402, Cl. 137-625.230.

Keller, Marcella M. Water retriever. 4,869,118, 9-26-89, Cl. 73-864.630.

Keller, Michael, to Metabowerke GmbH & Co. Damping element, and its installation in a motor-driven hand tool. 4,800,965, 1-31-89, Cl. 173-162.200.

Keller, Michael: *See—*
Herold, Wolf-Dietrich; Grafwallner, Karl L.; and Keller, Michael, 4,839,566, Cl. 31-308.000.

Keller, Michael R.: *See—*
Pressnall, Dale W.; Keller, Michael R.; and Schwartz, Robert E., 4,798,150, Cl. 110-171.000.

Keller, Nelly: *See—*
Bridenne Alaux, Martine; Marquet-Ellis, Hubert; Keller, Nelly; and Folcher, Gerard, deceased, 4,857,294, Cl. 423-489.000.

Keller, Paul, to L. & C. Steinmuller GmbH. Tuyere for the introduction of a reaction medium into a hot gas. 4,848,248, 7-18-89, Cl. 110-182.500.

Keller, Paul M.: *See—*
Ellis, Ronald W.; Keller, Paul M., Lowe, Robert S.; and Davison, Andrew J., 4,812,559, Cl. 536-27.000.

Keller, Paul R. N.: *See—*
Cawley, Robin A.; and Keller, Paul R. N., 4,855,834, Cl. 358-183.000.

Keller, Peter: *See—*
Kaibel, Gerd; Hefner, Werner; Keller, Peter; and Drewitz, Werner, 4,859,286, Cl. 203-75.000.

Keller, Reinhold; Schlingmann, Merten; and Platen, Martin, to Hoechst Aktiengesellschaft. Process for the preparation of aspartame and agents for carrying it out. 4,883,900, 11-28-89, Cl. 560-41.000.

Keller, Reinhold: *See—*
Thiem, Joachim; Treder, Wolfgang; Keller, Reinhold; and Schlingmann, Merten, 4,859,590, Cl. 435-97.000.

Keller, Richard A.: *See—*
Demas, James N.; Jones, Wesley M., and Keller, Richard A., 4,845,368, Cl. 250-459.100.

Keller, Robert L. Tool for threading oversized rope through opening in an elastic strap. 4,881,434, 11-21-89, Cl. 81-426.000.

Keller, Roland: *See—*
Schneider, Wilhelm; and Keller, Roland, 4,798,270, Cl. 188-264.00G.

Keller, Ronald E., to Brunswick Corporation. Anti vapor lock carbureted fuel system. 4,844,043, 7-4-89, Cl. 123-516.000.

Keller, Russell D. Vented fuel tank cap and valve assembly. 4,796,777, 1-10-89, Cl. 220-203.000.

Keller, Russell W.: *See—*
Ballas, Thomas A.; Harbottle, William E.; and Keller, Russell W., 4,800,652, Cl. 33-552.000.

Keller, Samuel, to Shaneway, Inc. System and method for recovery of salvageable ferrous and non-ferrous metal components from incinerated waste materials, and a selective crusher therefor. 4,815,667, 3-28-89, Cl. 241-14.000.

Keller, Stephen A.: *See—*
Verret, Douglas P.; Smayling, Michael C.; Sachdeva, Abnah C. and Keller, Stephen A., 4,797,372, Cl. 437-034.000.

Keller, Urs: *See—*
Briner, Emil; Keller, Urs; and Stalder, Herbert, 4,854,118, Cl. 57-401.000.
Demuth, Robert; Hefti, Walter; Keller, Urs; and Hanselmann, Daniel, 4,848,686, Cl. 242-18.0DD.
Stalder, Herbert; Keller, Urs; Oeggerli, Werner; and Briner, Emil, 4,848,079, Cl. 57-401.000.

Keller, Ursula I.: *See—*
Schulz, Arthur C.; Bommaraju, Tilak V.; Kiszewski, Robert; and Keller, Ursula I., 4,810,345, Cl. 204-296.000.

Keller, Walter: *See—*
Kutz, Johannes; and Keller, Walter, 4,862,713 Cl. 68-21.000.

Keller, Walter L. Electronic data recorder apparatus and method. 4,835,546, 5-30-89, Cl. 346-33.00D.

Keller, Werner, to Stopinc Aktiengesellschaft. Refractory valve body and sliding closure unit incorporating the same. 4,875,606, 10-24-89, Cl. 222-600.000.

Keller, Wilhelm A. Dispenser for cartridges. 4,826,053, 5-2-89, Cl. 222-340.000.

Keller, Wilhelm A. Dispensing cartridge with delivery piston. 4,834,268, 5-30-89, Cl. 222-327.000.

Keller, Wolfgang, to Siemens Aktiengesellschaft. Induction heater for floating zone melting. 4,797,525, 1-10-89, Cl. 219-10.790.

Kellerman, David, to Digital Equipment Corporation. Micro-electronics devices and methods of manufacturing same. 4,865,875, 9-12-89, Cl. 427-96.000.

Kellerman, Richard: *See—*
Pond, Stephen F.; Kneezel, Gary A.; Lorenze, Robert V.; O'Horo, Michael P.; Maltz, Martin S.; and Kellerman, Richard, 4,860,[illegible], Cl. 346-76.0PH.

Kellett, George W., to Creative Products Resource Associates, Ltd. Hydrophilic foam pad for makeup removal. 4,806,572, 2-21-89, Cl. 521-112.000.

Kellett, George W.; and Murphy, Betty J., to Creative Products Resource Associates, Ltd. Brush incorporating a hydrophilic foam pad for hair cleaning and conditioning. 4,856,541, 8-15-89, Cl. 132-110.000.

Kellett, Rodney, to Cameron Iron Works USA, Inc. Annulus valve for concentric tubing hangers. 4,869,318, 9-26-89, Cl. 166-87.000.

Kelley, Arthur W., and Owens, William R., to Sundstrand Corporation. Inductive coupled power system. 4,833,337, 5-23-89, Cl. 307-11.000.

Kelley, Barry L.: *See—*
McCracken, John A.; and Kelley, Barry L., 4,887,178, Cl. 360-135.000.

Kelley, Charles D.: *See—*
Sarrine, Robert J.; Garsee, Henry A.; Kelley, Charles D.; and Guadagno, Philip A., 4,810,348 Cl. 204-299.00R.
Sarrine, Robert J.; Garsee, Henry A.; Kelley, Charles D.; and Guadagno, Philip A., 4,890,247, Cl. 364-571.040.

Kelley Company, Inc.: *See—*
Bennett, Mark A.; and Massey, Douglas H., 4,815,918, Cl. 414-401.000.
Carlson, Dennis L., 4,865,508, Cl. 414-401.000.
Erlandsson, Kjell I., 4,861,217, Cl. 414-401.000.

Kelley, David A.; Walters, Dan H.; and Stephenson, James G., to Progressive Dynamics, Inc. Light fixture. 4,872,099, 10-3-89, Cl. 362-295.000.

Kelley, David C.: *See—*
Lancaster, Gerald M.; Kelley, David C.; Cramm, Russell H.; and Neywick, Charles V., 4,847,155, Cl. 428-421.000.

Kelley, Donald E.: *See—*
Musco, Vincent A.; Kelley, Donald E.; and Hansen, Carl E., 4,857,101, Cl. 71-94.000.

Kelley, Donald J.: *See—*
Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark J.; Hodge, James D.; Waack, Richard; Kelley, Donald J.; Sams, Brian W.; and Gruber, William C., 4,861,646, Cl. 428-210.000.

Kelley, Donald R.: *See—*
Kennon, James A.; Islam, Shafidul; Popken, Jeffrey L.; Madden, Jerry B.; Fitzgerald, Susan S.; Kelley, Donald R.; and Bir, Philip A., 4,812,114, Cl. 425-116.000.

Kelley, Donald W. Cross-linking of olefin polymers. 4,837,272, 6-6-89, Cl. 525-59.000.

Kelley, Franklyn F. Enthalpic evaporative air conditioning device and heating. 4,815,297, 3-28-89, Cl. 62-91.000.

Kelley, James L., to Burroughs Wellcome Co. Pyrimidine compounds. 4,880,812, 11-14-89, Cl. 514-272.000.

Kelley, James L.: *See—*
Volpe, James R.; and Kelley, James L., 4,811,987, Cl. 297-440.000.
Volpe, James R.; and Kelley, James L., 4,877,292, Cl. 297-440.000.

Kelley, James O. Folding easel. 4,826,125, 5-2-89, Cl. 248-463.000.

Kelley, James O.; Stumpf, William E.; and Friedman, Frank A., to Herman Miller, Inc. Work space management system. 4,876,[illegible], 10-31-89, Cl. 52-239.000.

Kelley, James T.; and Barlow, James E. Cooling jacket. 4,831,[illegible], 5-23-89, Cl. 62-457.000.

Kelley, Jerry S. Reusable cold pack for medical usage. 4,865,[illegible], 9-12-89, Cl. 126-204.000.

Kelley, John; and Kelley, Timothy D., to LAD Technology, Inc. Heat activated dispenser for vaporizable materials. 4,849,181, 7-18-89, Cl. 422-109.000.

Kelley, John D., Jr.: *See—*
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Kelley, Joseph M., to International Dioxcide, Inc. Reaction product of polymer with chlorine dioxide. 4,829,129, 5-9-89, Cl. 525-326.900.

Kelley, Lonny R.: *See—*
Galloway, Jimmie G.; Kelley, Lonny R.; Ehrhardt, Mark E.; and Fowler, Tracy A., 4,846,780, Cl. 494-3.000.

Kelley, Louis E., to Instruments for Research and Industry I^{2}R, Inc. Electrostatically shielded laboratory balance. 4,821,821, 4-18-89, Cl. 177-181.000.

Kelley, Mark, to Unitrode Corporation. Linear integrated circuit voltage drop generator having a base-10-emitter voltage independent current source therein. 4,882,533, 11-21-89, Cl. 323-313.000.

Kelley, Paul R., to Collaborative Research, Inc. Method of inhibiting calculus formulation and improving dental hygiene. 4,828,821, 5-9-89, Cl. 424-49.000.

Kelley, Thomas F.; and Scott, Robert L., to Norfolk Scientific, Inc. Centrifuge system and fluid container therefor. 4,846,974, 7-11-89, Cl. 210-380.100.

Kelley, Thomas F., to Norfolk Scientific Inc. Partially transparent label. 4,884,827, 12-5-89, Cl. 283-81.000.

Kelley, Thomas J. Surfboard traction bar. 4,840,590, 6-20-89, Cl. 441-74.000.

Kelley, Timothy D.: *See—*
Kelley, John; and Kelley, Timothy D., 4,849,181, Cl. 422-109.000.

Kelley, Timothy H.: *See—*
Giannetti, John; Sleve, Jerry F.; and Kelley, Timothy H., 4,853,746, Cl. 355-48.000.

Kelley, William J.; and Hurtienne, Daniel G., to Mattel, Inc. Toy crib apparatus. 4,854,913, 8-8-89, Cl. 446-397.000.

Kelley, William L. Motor vehicle remote control system. 4,878,050, 10-31-89, Cl. 340-825.060.

Kelley, Winfield L. Air volume regulator valve. 4,796,803, 1-10-89, Cl. 236-49.000.

Kellis, Timothy M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fabrication of mercury switches. 4,795,659, 1-3-89, Cl. 427-123.000.

Kellison, Roger C. Internally supported retaining element and method of using. 4,869,467, 9-26-89, Cl. 256-64.000.

Kellison, Roger C. Seismic anchor. 4,875,808, 10-24-89, Cl. 405-244.000.

Kellman, George A.; Flower, Richard E.; and Kidder, Harvey L., to Eastman Kodak Company. Live fire target system. 4,799,688, 1-24-89, Cl. 273-371.000.

Kellner, Benedikt M. J.; and Scilla, Salvatore J., to International Business Machines Corporation. Method for reducing edge curl on green sheets. 4,808,365, 2-28-89, Cl. 264-343.000.

Kellner, Bernd. Vacuum solar collector. 4,881,521, 11-21-89, Cl. 126-438.000.

Kellner, Carl S.; and Rao, V. N. Mallikarjuna, to Du Pont de Nemours, E. I., and Company. Hydrodehalogenation of CF_3CHClF in the presence of supported Pd. 4,873,381, 10-10-89, Cl. 570-176.000.

Kellner, Hans-Jorg. Endoscope for removal of thrombi from pulmonary arterial vessels. 4,862,874, 9-5-89, Cl. 128-6.000.

Kellner, James L.: *See—*
Christiansen, Keith W.; and Kellner, James L., 4,851,176, Cl. 264-268.000.

Kellner, Katalin M.: *See—*
Takacs, Kalman; Ajzert, Ilona K.; Kellner, Katalin M.; Fleischer, Judit; Puskas, Mariann E.; and Rimai, Jozsef, 4,861,888, Cl. 546-150.000.

Kellner, Robert J.: *See—*
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Kellner, Steven: *See—*
Furno, Gregory S.; and Kellner, Steven, 4,816,813, Cl. 340-724.000.

Kellogg Brush Manufacturing Co.: *See—*
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Kellogg, George E., to General Motors Corporation. Shock resistant storage bin and pallet assembly. 4,887,537, 12-19-89, Cl. 108-55.100.

Kellom, Gary J. Fixture mount. 4,834,093, 8-8-89, Cl. 52-28.000.

Kellstadt, Charles E. Ladder engaged paint pan supporting device. 4,815,684, 3-28-89, Cl. 248-210.000.

Kellum, James: *See—*
McCormick, Walter A.; Langton, Douglas W.; Kellum, James; McKelvy, Steve; and Phillips, Greg, 4,817,934, Cl. 271-296.000.

Kelly, Carol; and Herrington, Linda. Plate stabilizer. 4,884,512, 12-5-89, Cl. 108-26.000.

Kelly, Clifford, to Siemens Aktiengesellschaft. Display data conversion. 4,845,488, 7-4-89, Cl. 340-721.000.

Kelly, David L.; and Needham, Jeffrey R., to Burke Company, The; and AMCA International Corporation. Eave truss and method for supporting and reinforcing a concrete or masonry wall and metal roof structure. 4,802,316, 2-7-89, Cl. 52-90.000.

Kelly, David L.: *See—*
Gillaspy, Kenton P.; and Kelly, David L., 4,872,634, Cl. 248-354.300.

Kelly, Donald J.: *See—*
Matson, Stephen L.; Lee, Eric K. L.; Friesen, Dwayne T.; and Kelly, Donald J., 4,824,443, Cl. 55-16.000.

Kelly, Donald V. Low sound, thermal & air penetration sliding window. 4,807,395, 2-28-89, Cl. 49-407.000.

Kelly, Eamonn W. J. Security posts. 4,862,656, 9-5-89, Cl. 52-165.000.

Kelly, Earl L., Jr.: *See—*
Flowers, Gilbert E.; Kelly, Earl L., Jr.; and Lynch, Henry E., 4,844,322, Cl. 228-119.000.

Kelly, Edmund J., to Sun Microsystems, Inc. Memory access system. 4,803,621, 2-7-89, Cl. 364-200.000.

Kelly, Edward C., to Assist Research Corp. Erection device. 4,856,499, 8-15-89, Cl. 128-79.000.

Kelly, Francis P.; Gibbens, Richard J.; Key, Peter B.; Turton, Paul A.; Stacey, Roger R.; and Whitehead, Martin J., to British Telecommunications public limited company. Routing of network traffic. 4,862,496, 8-29-89, Cl. 379-221.000.

Kelly-Fry, Elizabeth; and Morris, Steven T., to Indianapolis Center for Advanced Research. Multiple frequencies from single crystal. 4,872,346, 10-10-89, Cl. 73-627.000.

Kelly, George H., to J.A.C. Corporation. Closed system solvent stripping and reclaiming apparatus. 4,885,099, 12-5-89, Cl. 210-771.000.

Kelly, James D.; and Griffiths, David V., to Amersham International plc. Bone-seeking complexes of technetium-99m. 4,810,486, 3-7-89, Cl. 429-1.100.

Kelly, James D.: *See—*
Murray, Mark J.; and Kelly, James D., 4,801,542, Cl. 435-172.300.
Murray, Mark J.; and Kelly, James D., 4,845,075, Cl. 514-12.000.
Murray, Mark J.; and Kelly, James D., 4,849,407, Cl. 514-12.000.
Murray, Mark J.; and Kelly, James D., 4,889,919, Cl. 530-351.000.
Sadler, Peter J.; Harding, Charles T.; Kelly, James D.; and McEwen, Andrew B., 4,880,007, Cl. 128-653.000.

Kelly, James E.: *See—*
Dickerson, Robert E.; Kelly, James E.; Diehl, Donald R.; and Factor, Ronda E., 4,803,150, Cl. 430-502.000.

Kelly, James F.: *See—*
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Kelly, James H., to Pulaski Furniture Corporation. Memorialized case clocks. 4,879,701, 11-7-89, Cl. 368-136.000.

Kelly, Jessie, to Dow Chemical Company, The. Preparation of 2,3,4,6-tetrachloropyridine. 4,849,523, 7-18-89, Cl. 546-345.000.

Kelly, Joseph B., to PPG Industries, Inc. Flexible ring mold and method of use. 4,830,650, 5-16-89, Cl. 65-106.000.

Kelly, Joseph M.: *See—*
Sestanj, Kazimir; Wrobel, Jay E.; and Kelly, Joseph M., 4,843,062, Cl. 514-4.000.

Kelly, Kevin A.: *See—*
Puno, Rolando M.; and Kelly, Kevin A., 4,805,602, Cl. 128-69.000.

Kelly, Kieran B., to Hewlett-Packard Company. Method and apparatus for storing accessories inside a printing device. 4,808,021, 2-28-89, Cl. 400-717.000.

Kelly, Larry J. Hole repairing device. 4,848,056, 7-18-89, Cl. 52-514.000.

Kelly, Leonard, to Lamb, Helen M.; and Kelly, Moira F. Apparatus for the multisorting of scrap metals by x-ray analysis. 4,848,590, 7-18-89, Cl. 209-564.000.

Kelly, Leroy, to People's Telephone Cooperative, Inc. Network having a synchronizer for synchronization between a primary and a remote station. 4,860,287, 8-22-89, Cl. 370-108.000.

Kelly, Madelyn I.: *See—*
Kelly, Vincent M.; and Kelly, Madelyn I., 4,866,850, Cl. 33-366.000.

Kelly, Michael D., to United States of America, Energy. Process for forming exoergic structures with the use of a plasma. 4,806,384, 2-21-89, Cl. 427-34.000.

Kelly, Michael J.: *See—*
Attix, Douglas J.; Kelly, Michael J.; Mason, Fred L.; and Stinnett, Carlton E., 4,842,809, Cl. 376-261.000.
Couch, Nigel R.; Kelly, Michael J.; and Beton, Peter H., 4,801,982, Cl. 357-3.000.

Kelly, Michael W.; and Patterson, Laura B. Wrench socket. 4,817,475, 4-4-89, Cl. 81-121.100.

Kelly, Moira F.: *See—*
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Kelly, Patrick J., Jr.: *See—*
Cavallaro, Joseph L.; and Kelly, Patrick J., Jr., 4,872,811, Cl. 416-162.000.

Kelly, Patrick M.; Howlett, Robert E.; Pomeroy, Paul A.; and Alvarez, Dennis A., to USG Interiors, Inc. Corner bead structure. 4,876,837, 10-31-89, Cl. 52-287.000.

Kelly, Patrick M.: *See—*
Bosl, George F.; Kelly, Patrick M.; Alvarez, Dennis A.; Sauer, Gale; and Hocevar, Joseph A., 4,881,355, Cl. 52-738.000.

Kelly, Petrina M.; and Berrido, Colin, to S. C. Johnson & Son, Inc. Time-color indicators. 4,824,827, 4-25-89, Cl. 512-1.000.

Kelly, Robert E.; and Welch, Peter D., to International Business Machines Corporation. Method for hidden line removal. 4,847,789, 7-11-89, Cl. 364-522.000.

Kelly, Robert J.; and Kelly, Tadhg. Modem use monitor. 4,819,235, 4-4-89, Cl. 371-22.000.

Kelly, Robert J., to Allied-Signal Inc. Ridge regression signal processing for position-fix navigation systems. 4,876,550, 10-24-89, Cl. 342-451.000.

Kelly, Robert L.: *See—*
Parsons, George W.; Kelly, Robert L.; and Zlotnicki, Joseph M., 4,827,493, Cl. 378-119.000.

Kelly, Samuel T.; and Katchka, Jay R., to Robertshaw Controls Company. Fuel control valve construction, parts therefor, and methods of making the same. 4,830,039, 5-16-89, Cl. 137-66.000.

Kelly, Stephen: *See—*
  Buchecker, Richard; Fromm, Hans-Jurgen; Kelly, Stephen; and Schadt, Martin, 4,830,470, Cl. 350-350.00S.
Kelly, Steven M. Fabrication of modular electrical wiring tracks. 4,825,540, 5-2-89, Cl. 29-861.000.
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  Kelly, Robert J.; and Kelly, Tadhg, 4,819,235, Cl. 371-22.000.
Kelly, Terence C.: *See—*
  Buzby, Paul R.; Reid, Paul D.; Lopez, Edmond S.; and Kelly, Terence C., 4,809,933, Cl. 244-110.00C.
Kelly, Terence C., Sr., to Wickes Manufacturing Company. Mechanical coupling for tape. 4,824,049, 4-25-89, Cl. 244-110.00C.
Kelly, Thomas J. Adjustable engine stand. 4,809,963, 3-7-89, Cl. 269-296.000.
Kelly, Thomas J. Apparel holder. 4,811,852, 3-14-89, Cl. 211-119.000.
Kelly, Thomas K., to Berlex Laboratories, Inc. Container for tablets. 4,817,819, 4-4-89, Cl. 221-2.000.
Kelly, Thomas L. Single ply roof membrane securing system and method of making and using same. 4,860,514, 8-29-89, Cl. 52-410.000.
Kelly, Thomas L. Sealed roof deck wind vacuum transfer system. 4,888,930, 12-26-89, Cl. 52-410.000.
Kelly, Timothy J.: *See—*
  Harasin, Stephen J.; Hurley, Michael F.; Kelly, Timothy J.; Nalcppa, Kenneth J.; Nodelman, Neil H.; Schumacher, Donald W.; Slocum, Gregory H.; and Sounik, David F., 4,868,224, Cl. 521-124.000.
Kelly, Tom J., III, to Horizon Instruments, Inc. Tachometer, RPM processor, and method. 4,811,255, 3-7-89, Cl. 364-565.000.
Kelly, Vincent M.; and Kelly, Madelyn I. Clinometer with rolling liquid conductor. 4,866,850 9-19-89, Cl. 33-366.000.
Kelly, William R., III: *See—*
  Deresh, Lev; and Kelly, William R., III, 4,849,059, Cl. 204-44.400.
Kelly, William W., to Stanadyne Automotive Corp. Method and apparatus for regulating fuel injection timing and quantity. 4,884,549, 12-5-89, Cl. 123-506.000.
Kelly, William W.: *See—*
  Djordjevic, Ilija; Kelly, William W.; and Vanderpoel, Richard E., 4,811,715, Cl. 123-447.000.
Kelm, James S.: *See—*
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  Lievestro, Louis; Kelm, James S.; Ludwig, Arthur L.; Maclin, Harvey M.; and Wakeman, Thomas G., 4,796,423, Cl. 60-39.330.
Kelm, Otto. Self-aligning plunger tip. 4,842,039, 6-27-89, Cl. 164-312.000.
Kelm, Walter H., to Carboloy Inc. Indexable cutting tool. 4,848,199, 7-18-89, Cl. 82-159.000.
Kelm, Walter H.; and Newland, Paul W., to Carboloy Inc. Device for locking a tool holder to a tool block. 4,884,483, 12-5-89, Cl. 82-160.000.
Kelm, Walter H.: *See—*
  Haque, Sazzadul; Floyd, Thomas O.; Savas, Nick; and Kelm, Walter H., 4,875,812, Cl. 407-104.000.
Kelman, Arthur: *See—*
  Stevenson, Walter R.; and Kelman, Arthur, 4,820,699, Cl. 514-147.000.
Kelman, Charles D. Intraocular lens having roughened surface area. 4,808,181, 2-28-89, Cl. 623-6.000.
Kelman, Charles D. Laminate optic with interior Fresnel lens. 4,828,558, 5-9-89, Cl. 623-6.000.
Kelman, Charles D. Bipartite intraocular lens. 4,833,890, 5-30-89, Cl. 623-6.000.
Kelman, Charles D. Intraocular lens with multiple-fulcrum haptic. 4,863,465, 9-5-89, Cl. 623-6.000.
Kelman, Charles D. Corrective intraocular lens. 4,871,363, 10-3-89, Cl. 623-6.000.
Kelmar Energy Corporation: *See—*
  Kelmar, John J., 4,820,313, Cl. 44-622.000.
Kelmar, John J., to Kelmar Energy Corporation. Coal processing method and apparatus. 4,820,313, 4-11-89, Cl. 44-622.000.
Kelner, Gerald. Lightbulb assembly having latching retaining means. 4,803,396, 2-7-89, Cl. 313-318.000.
Kelsay, Royal E., III; and Hille, Arvin A., to Blount, Inc. Laminated guide bar for chain saws having foam core. 4,885,843, 12-12-89, Cl. 30-387.000.
Kelsey, Christopher G., to Geoflow International Pty. Limited. Valve. 4,842,245, 6-27-89, Cl. 251-212.000.
Kelsey, Christopher G.; and McKenzie, Ian R., to Geoflow International Pty. Limited. Valve and valve roller sealing. 4,858,887, 8-22-89, Cl. 251-212.000.
Kelsey, Christopher G., to Geoflow International Pty. Limited. Proportional flow control valve. 4,889,317, 12-26-89, Cl. 251-212.000.
Kelsey, Donald R., to Amoco Corporation. Substantially linear monomeric composition and liquid crystal polymeric compositions derived therefrom. 4,841,009, 6-20-89, Cl. 528-75.000.
Kelsey, Donald R., to Amoco Corporation. Co-reagent stabilization of poly(aryl ether sulfones) using sodium, lithium, alkaline earth or lanthanide metal salts. 4,855,388, 8-8-89, Cl. 528-125.000.
Kelsey, Donald R., to Amoco Corporation. Method for converting polyketals to polyaryletherketones in the presence of a metal salt. 4,882,397, 11-21-89, Cl. 525-471.000.
Kelsey, Donald R.: *See—*
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Kelsey, Frank. Utility pole and attachments formed by pultrusion of dielectric insulating plastic, such as glass fiber reinforced resin. 4,803,819, 2-14-89, Cl. 52-309.100.
Kelsey-Hayes Company: *See—*
  Atkins, Thomas M.; Tuck, Brian C.; Fuller, Edward N.; and Every, Peter, 4,865,399, Cl. 303-116.000.
  Atkins, Thomas M., 4,886,322, Cl. 303-109.000.
  Bruder, John R.; Sivulka, Gerald M.; and Tribe, Leonard T., 4,848,151, Cl. 73-308.000.
  Dornan, Arthur E., 4,819,493, Cl. 74-89.170.
  Evans, Anthony C., 4,823,920, Cl. 188-73.340.
  Evans, Anthony C.; and Last, Larry L., 4,854,423, Cl. 188-70.00R.
  Fuller, Edward N.; and Willi, Gary A., 4,828,335, Cl. 303-100.000.
  Jones, Brian H., 4,832,414, Cl. 301-63.0PN.
Kelso, John H. Firearm with removable trigger. 4,835,893, 6-6-89, Cl. 42-69.010.
Kelso, Robert G.: *See—*
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Kelson, Lance P.; Kelson, Ross J.; and Martin, Allan F., to Kelson, Lance P. Medical sampling needle removal and disposal device. 4,807,344, 2-28-89, Cl. 29-240.000.
Kelson, Lance P.; and Kelson, Ross J. Medical sampling needle remova and disposal device. 4,862,573, 9-5-89, Cl. 29-240.000.
Kelson, Ross J.: *See—*
  Kelson, Lance P.; Kelson, Ross J.; and Martin, Allan F., 4,807,34 Cl. 29-240.000.
  Kelson, Lance P.; and Kelson, Ross J., 4,862,573, Cl. 29-240.000.
Kelterborn, Jeffrey C.: *See—*
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  Harlos, Hartmut; and Kelting, Peter, 4,857,779, Cl. 707-542.00
Kelyman, John, to Beloit Corporation. Anaerobic digestion proces 4,846,975, 7-11-89, Cl. 210-603.000.
Kelz, Gerhard: *See—*
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Kelzer, Robert A. Scoring cutter. 4,856,400, 8-15-89, Cl. 83-885.00
Kem, Kenneth M., to Occidental Chemical Corporation. Organophosphorus compounds. 4,818,774, 4-4-89, Cl. 521-31.000.
Kem, Kenneth M., to Occidental Chemical Corporation. Extraction of polyvalent metals with organodiphosphonic acids. 4,836,956, 6-6-8 Cl. 252-631.000.
Kemble, Edward J. Manually operated bag closure device. 4,801,75 2-14-89, Cl. 24-30.50R.
Kembo B.V.: *See—*
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Kembo, Nobumitsu, to Hitachi, Ltd. Information output device having data buffer for performing both character positioning and character expansion/compression. 4,879,666, 11-7-89, Cl. 364-519.000.
Kembo, Yukio; Ikeda, Minoru; and Taniguchi, Motoya, to Hitachi, Ltd. X-ray exposure system. 4,803,712, 2-7-89, Cl. 378-034.000.
Kembo, Yukio; Komeyama, Yoshihiro; Ikeda, Minoru; and Inagaki, Akira, to Hitachi, Ltd. X-ray exposure apparatus. 4,825,453, 4-25-8 Cl. 378-34.000.
Kembo, Yukio: *See—*
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Kememy, George A., to Westinghouse Electric Corp. Electromagnetic launcher with improved rail energy recovery or dissipation. 4,858,513, 8-22-89, Cl. 89-8.000.
Kemeny, Gabor J.; and Wetzel, David L., to Bran & Luebbe GmbH. Optical analysis method and apparatus having programmable rapid random wavelength access. 4,883,963, 11-28-89, Cl. 250-339.00
Kemeny, George A.; and Deis, Daniel W., to Westinghouse Electric Corp. Electromagnetic launcher with post-firing energy recovery for slow or rapid fire operation. 4,841,181, 6-20-89, Cl. 310-12.00
Kemeny, Matthias D. Portable display system. 4,888,895, 12-26-89, Cl. 40-610.000.
Kemet Electronics Corporation: *See—*
  Su, Tsung-Yuan, 4,814,946, Cl. 361-523.000.
Kemi, Ryuichi; Takahashi, Kazuo; and Fujita, Itaru, to Canon Kabushiki Kaisha. Projection exposure apparatus. 4,825,247, 4-25-89, Cl. 355-55.000.
Kemira Oy: *See—*
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Kemker, Uwe: *See—*
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Kemlo, Kenneth G., to Broken Hill Proprietary Company Limited, The. Method and apparatus for identifying and classifying steel 4,818,936, 4-4-89, Cl. 324-232.000.
Kemman & Koch: *See—*
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Kemmann, Paul G., to Kemman & Koch. Adjustable backrest 4,810,033, 3-7-89, Cl. 297-284.000.
Kemmelmeyer, Werner. Filter means with a segmental construction 4,801,382, 1-31-89, Cl. 210-323.100.

Kemmer, Josef; and Lutz, Gerhard. Large-area, low capacitance semiconductor arrangement. 4,837,607, 6-6-89, Cl. 357-30.000.
Kemmer, Josef; and Lutz, Gerhard. Semiconductor element. 4,885,620, 12-5-89, Cl. 357-24.000.
Kemmer, Karl, to Koflach Sport Gesellschaft mbH & Co. KG. System for securing a foot or inner shoe in the toe or instep region of a shell. 4,823,485, 4-25-89, Cl. 36-119.000.
Kemmerling, Wolfgang: *See—*
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Kemori, Nobumasa; Ojima, Yasuo; and Kondo, Yasuhiro, to Sumitomo Metal Mining Company Ltd. Flash smelting furnace. 4,848,754, 7-18-89, Cl. 266-162.000.
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Kemp, Colin N.: *See—*
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Kemp, Daniel N., to Dow Corning Corporation. Fixed-volume trapped rubber molding apparatus. 4,812,115, 3-14-89, Cl. 425-405.200.
Kemp, Daniel N., to Dow Corning Corporation. Fixed-volume, trapped rubber molding method. 4,889,668, 12-26-89, Cl. 264-40.500.
Kemp, David T.; and Bray, Peter. Hearing faculty testing. 4,884,447, 12-5-89, Cl. 73-585.000.
Kemp, Deborah K., to NCR Corporation. Automatic prompting for cleaning of magnetic disk heads. 4,847,716, 7-11-89, Cl. 360-128.000.
Kemp, Dennis E., Jr.; and Bowers, David, to Woodex Bearing Company, Inc. Rotary shaft seal assembly. 4,809,992, 3-7-89, Cl. 277-63.000.
Kemp, Dennis E., Jr., to Basseches, Mark T., a part interest. Speed reduction drive. 4,861,319, 8-29-89, Cl. 474-69.000.
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Kemp, John E. G.; and Cross, Peter E., to Pfizer Inc. 4-Substituted-1-(4-alkylsulphonamidophenyl)piperazines as antiarrhythmic agents. 4,797,401, 1-10-89, Cl. 514-255.000.
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Kemp, Philip, to J. E. Morgan Knitting Mills, Inc. Insulating fabric and method of manufacture thereof. 4,797,311, 1-10-89, Cl. 428-92.000.
Kemp, Preston B., Jr.; Johnson, Walter A.; and Kopatz, Nelson E., to GTE Products Corporation. Process for producing tungsten heavy alloy sheet using hydrometallurgically produced tungsten heavy alloy. 4,800,064, 1-24-89, Cl. 419-36.000.
Kemp, Preston B., Jr.; and Holland, Robert J., Sr., to GTE Products Corporation. Coated metallic particles and process for producing same. 4,818,567, 4-4-89, Cl. 427-216.000.
Kemp, Preston B., Jr.; and Johnson, Walter A., to GTE Products Corporation. Iron group based and chromium based fine spherical particles. 4,836,850, 6-6-89, Cl. 75-251.000.
Kemp, Preston B., Jr.; and Holland, Robert J., Sr., to GTE Products Corporation. Apparatus for milling metal powder to produce high bulk density fine metal powders. 4,844,355, 7-4-89, Cl. 241-172.000.
Kemp, Preston B., Jr.; and Johnson, Walter A., to GTE Products Corporation. Process for producing tungsten heavy alloy sheet. 4,847,045, 7-11-89, Cl. 419-36.000.
Kemp, Preston B., Jr.; and Holland, Robert J., Sr., to GTE Products Corporation. Coated metallic particles and process for producing same. 4,873,148, 10-10-89, Cl. 428-570.000.
Kemp, Preston B., Jr.; and Johnson, Walter A., to GTE Products Corporation. Process for producing fine copper powder with enhanced sinterability. 4,880,170, 11-14-89, Cl. 241-5.000.
Kemp, Preston B., Jr.; and Johnson, Walter A., to GTE Products Corporation. Process for producing fine copper flakes. 4,884,754, 12-5-89, Cl. 241-5.000.
Kemp, Preston B., Jr.: *See—*
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Kemp, Richard A., to Shell Oil Company. Hydrotreating catalysts prepared from hydrogels. 4,810,684, 3-7-89, Cl. 502-211.000.
Kemp, Richard A., to Shell Oil Company. Hydrotreating catalysts prepared from hydrogels. 4,810,686, 3-7-89, Cl. 502-211.000.
Kemp, Richard A., to Shell Oil Company. Hydrotreating catalysts prepared from hydrogels. 4,810,687, 3-7-89, Cl. 502-211.000.
Kemp, Richard A., to Shell Oil Company. Hydrotreating catalysts prepared from hydrogels. 4,820,679, 4-11-89, Cl. 502-314.000.
Kemp, Richard A., to Shell Oil Company. Hydrotreating catalysts prepared from hydrogels. 4,820,680, 4-11-89, Cl. 502-314.000.
Kemp, Richard A., to Shell Oil Company. Hydrotreating with catalysts prepared from hydrogels. 4,832,826, 5-23-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Hydrotreating with catalysts prepared from hydrogels. 4,832,827, 5-23-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Hydrotreating with catalysts prepared from hydrogels. 4,832,828, 5-23-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Hydrotreating with catalysts prepared from hydrogels. 4,839,028, 6-13-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Process for hydrotreating hydrocarbon feeds. 4,853,108, 8-1-89, Cl. 208-216.00R.
Kemp, Richard A., to Shell Oil Company. Hydrotreating with wide-pore hydrogel-derived catalysts. 4,861,460, 8-29-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Process for hydrotreating hydrocarbon feeds. 4,880,522, 11-14-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Process for hydrotreating hydrocarbon feeds. 4,880,523, 11-14-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Process for hydrotreating hydrocarbon feeds. 4,880,524, 11-14-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Process for hydrotreating hydrocarbon feeds. 4,880,525, 11-14-89, Cl. 208-216.0PP.
Kemp, Richard A., to Shell Oil Company. Hydrotreating catalysts prepared from hydrogels. 4,880,526, 11-14-89, Cl. 208-217.000.
Kemp, Robert A.; Nelson, William I.; and Foley, Gary W., to General Chemical Corporation. Apparatus and method for transfer and slurrying or dissolving hydratable dry bulk chemicals. 4,884,925, 12-5-89, Cl. 406-109.000.
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  Sturgis, David H.; and Kemp, William W., 4,815,516, Cl. 164-5.000.
Kempe, Eberhard. Probe means for sampling volatile components from liquids or gases. 4,821,585, 4-18-89, Cl. 73-863.230.
Kempe, Frieder K. Method of pain reduction using radiation-shielding textiles. 4,825,877, 5-2-89, Cl. 128-846.000.
Kempe, Uwe; Dockner, Toni; Karn, Helmut; Bluemel, Thomas; Leyrer, Reinhold J.; and Loerzer, Thomas, to BASF Aktiengesellschaft. Preparation of hexaarylbisimidazoles. 4,866,183, 9-12-89, Cl. 548-336.000.
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  Luly, Jay R.; Plattner, Jacob J.; and Kempf, Dale J., 4,845,079, Cl. 514-18.000.
  Rosenberg, Saul H.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Luly, Jay R.; and Plattner, Jacob J., 4,857,507, Cl. 514-18.000.
Kempf, Helmut; and Kopp, Hans, to Georg Fischer Aktiengesellschaft. Vehicle wheel. 4,798,418, 1-17-89, Cl. 301-31.000.

Kempf, Jurgen: *See*—
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Kempf, Paul S., to Kempf, Paul Stuart; and Pilar Moreno Kempf Family Trust. Optical inspection method with side-viewing mirror. 4,795,237, 1-3-89, Cl. 350-320.000.
Kempf, Paul S., to Paul Stuart Kempf and Pilar Moreno Family Trust. 3-dimensional optical viewing system. 4,840,455, 6-20-89, Cl. 350-137.000.
Kempf, Paul Stuart: *See*—
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Kempf, Richard J., to Du Pont de Nemours, E. I., and Company. Process for preparing positive and negative images using photohardenable electrostatic master. 4,859,551, 8-22-89, Cl. 430-49.000.
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Kempkensteffen Heinz: *See*—
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Kemppi, Yrjo, to Nokia Mobira Oy. Method for locking to the user's card in a portable radio telephone. 4,868,846, 9-19-89, Cl. 379-144.000.
Kempter, Fritz E.; Matejcek, Franz; Neubach, Werner; and Busse, Gerd, to BASF Aktiengesellschaft. Low-Formaldehyde binders. 4,831,106, 5-16-89, Cl. 528-227.000.
Kempter, Fritz E.; Matejcek, Franz; Neubach, Werner; and Busse, Gerd, to BASF Aktiengesellschaft. Mineral and textile webs bonded with a cured resin mixture. 4,868,227, 9-19-89, Cl. 523-222.000.
Kempter, Meinrad; and Doering, Elko, to Lasarray Holding AG. Apparatus for and method of positioning and synchronizing a writing laser beam. 4,809,014, 2-28-89, Cl. 346-76.00L.
Kempter, Meinrad; and Glauser, Paul, to Lasarray Holding AG. Process and device to enhance system performance accuracy in a laser writing process. 4,871,896, 10-3-89, Cl. 219-121.600.
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 Frenzel, Bertram; Grenzendorfer, Dietmar; Kemter, Heinz; Wunsch, Wolfgang; and Zeisberg, Peter, 4,873,844, Cl. 66-84.00A.
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 Chen, Samuel J., 4,880,880, Cl. 525-163.000.
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 Dye, John F., 4,804,208, Cl. 285-26.000.
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 Gamm, Paul B., 4,800,910, Cl. 135-67.000.
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 Gross, James R., 4,852,563, Cl. 128-202.270.
 Huddleston, Elwyn; and Long, Karen C., 4,797,322, Cl. 428-355.000.
 Huddleston, Elwyn; Serra, Jerry M.; and Robe, Gary R., 4,801,346, Cl. 156-187.000.
 Jessup, James L., 4,798,581, Cl. 493-338.000.
 Kolstedt, Mark; and Dye, John F., 4,858,596, Cl. 128-24.00R.
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 McWhorter, Daniel M.; Gross, James R.; and Steigerwald, Carl J., 4,815,477, Cl. 128-766.000.
 Patel, Bhupendra C., 4,867,745, Cl. 604-158.000.
 Rosenberg, Helmut W. G., 4,850,375, Cl. 128-767.000.
 Sancaktar, Erol, 4,806,400, Cl. 428-35.900.
 Toth, Michael R.; and Buckley, Mary E., 4,804,379, Cl. 604-378.000.
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Kendall, James W., to Victor Pastushin. Pre-locked pull-type blind fastener. 4,826,372, 5-2-89, Cl. 411-43.000.
Kendall, James W., to Huck Manufacturing Company. Lock spindle blind bolt with lock collar providing pin stop support. 4,844,671, 7-4-89, Cl. 411-34.000.
Kendall, Jay. Plastic fishing spoon type lure. 4,854,071, 8-8-89, Cl. 43-42.330.
Kendall, Jerry A.; and Webb, David M., to Elfab Corporation. Compliant electrical connector pin. 4,878,861, 11-7-89, Cl. 439-751.000.
Kendall, Kenneth D., to Courtaulds Films & Packaging (Holdings) Lt Process of producing an oriented silicone resin coated polymeric fi 4,851,166, 7-25-89, Cl. 264-22.000.
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Kendall McGraw Laboratories, Inc.: *See*—
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Kendall, Robert C.: *See*—
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Kendall, Robert M.; Kennedy, Jeffrey M.; Minder, Andrew C.; and Tidball, Richard K., to Alzeta Corporation. Gas-fired bayonet-type heater. 4,809,672, 3-7-89, Cl. 126-91.00A.
Kendall, Robert T.; and Kendall, Robert T., Jr., to Aerospace Recovery System, Inc. Recovery system. 4,832,288, 5-23-89, Cl. 244-160.000.
Kendall, Robert T., Jr.: *See*—
 Kendall, Robert T.; and Kendall, Robert T., Jr., 4,832,288, Cl. 244-160.000.
Kendall, Scott W.; and Silvestri, George J., Jr., to Westinghouse Electric Corp. Steam chest crossties for improved turbine operation 4,847,039, 7-11-89, Cl. 376-297.000.
Kendall, Scott W.: *See*—
 Silvestri, George J., Jr., and Kendall, Scott W., 4,850,791, Cl. 415-38.000.
Kendall, Steven S., to Genesee Polymers Corporation. Backhoe hammer. 4,884,641, 12-5-89, Cl. 173-94.000.
Kenderi, Tibor. Apparatus for power spraying operating with flame 4,871,114, 10-3-89, Cl. 239-79.000.
Kendig, Albert R. Security enclosure and gate system. 4,8[illegible] 8-22-89, Cl. 49-360.000.
Kendig, John R.; Hibble, William R.; and Kiedrowski, James A., to Honeywell Inc. Magnetic isolating and pointing gimbal apparatus 4,803,413, 2-7-89, Cl. 318-648.000.
Kendrick, Larry E.: *See*—
 Hardy, Gerald D.; Hoffman, John P.; and Kendrick, Larry E., 4,852,657, Cl. 172-2.000.
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Kendrick, Paul N.: *See*—
 Kahn, Frederic J.; Kendrick, Paul N.; Leff, Jerry; Livoni, Lar J.; Loucks, Bryan E.; Stepner, David E.; and Witte, Kenne 4,818,098, Cl. 353-122.000.
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Kenehan, James G.: *See*—
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Kenichi, Mizuno, to Dai Nippon Printing Co., Ltd.; and Toshiba Automation Co., Ltd. Ink blade adjusting system with zero point mem 4,803,923, 2-14-89, Cl. 101-365.000.
Kenig, Nisan. Belt grinder attachment for powered rotary to 4,858,390, 8-22-89, Cl. 51-135.00R.
Kenig, Samuel: *See*—
 Garg, Sunil K.; and Kenig, Samuel, 4,863,767, Cl. 428-1.00.
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 Seiichi, Nakane; Sigeru, Nakamura; and Kenichi, Ikari, 4,8[illegible], Cl. 324-73.0PC.
Kenik, Frank W.; Jensen, Ronald J.; Bayer, James J.; Allgeyer, Dea F.; McCarthy, Richard R.; and Miceli, Thomas A., to Outboard Marine Corporation. Apparatus and method for parts asse 4,821,197, 4-11-89, Cl. 364-468.000.
Kenin, Michael; Reid, Kenneth R.; and Izzo, Peter G., to Eastman Kodak Company. Photoconductive member mounting mechan for an electrophotographic reproduction apparatus. 4,804,993, 2-14-89, Cl. 355-3.0BE.

Kennson, Walter D. No spray live skunk trap apparatus. 4,821,450, 4-18-89, Cl. 43-61.000.
Kenji, Ito: *See*—
 Fumio, Mizuno; and Kenji, Ito, 4,829,032, Cl. 501-137.000.
Kenji, Sakakibara: *See*—
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Kenji, Sasaki: *See*—
 Hashimoto, Masashi; Kenji, Sasaki; and Nomura, Masayoshi, 4,882,710, Cl. 365-189.050.
Kenjyo, Tadao, to Muroran Institute of Technology. Method of producing hydrogen electrode and use thereof in fuel cells. 4,800,139, 1-24-89, Cl. 429-42.000.
Kenkyusho, Rikagaku: *See*—
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Kenmochi, Kazuei, to Matsushita Electric Industrial Co., Ltd. Method for resin molding monitoring. 4,833,910, 5-30-89, Cl. 73-56.000.
Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, to Kawasaki Steel Corp. Method and apparatus for preliminary treatment of stainless steel for cold rolling. 4,885,042, 12-5-89, Cl. 148-12.00E.
Kenmotsu, Isami: *See*—
 Takahashi, Junji; and Kenmotsu, Isami, 4,853,924, Cl. 369-270.000.
Kenna, Robert V., to Howmedica, Inc. Prosthetic knee implantation. 4,825,857, 5-2-89, Cl. 128-92.0VW.
Kenna, Robert V., to Pfizer Hospital Products Group, Inc. Anterior cruciate ligament prosthesis. 4,828,562, 5-9-89, Cl. 623-13.000.
Kenna, Robert V., to Pfizer Hospital Products Group, Inc. Bone prosthesis with porous coating. 4,834,756, 5-30-89, Cl. 623-16.000.
Kennametal Inc.: *See*—
 Bartley, Donald L., 4,835,878, Cl. 33-637.000.
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 Beach, Wayne H.; Montgomery, Robert H.; and Burns, Lawrence R., 4,850,649, Cl. 299-92.000.
 Erickson, Robert A., 4,836,068, Cl. 82-160.000.
 Greenfield, Mark S.; Stiffler, Stephen P.; and Evans, Raymond D., 4,817,743, Cl. 175-411.000.
 Greenfield, Mark S.; and Conley, Edward V., 4,859,543, Cl. 428-552.000.
 Greenfield, Mark S., 4,886,710, Cl. 428-564.000.
 Mehrotra, Pankaj K.; and Billman, Elizabeth R., 4,801,510, Cl. 428-698.000.
 Mehrotra, Pankaj K.; Swiokla, Joyce L.; and Billman, Elizabeth R., 4,820,663, Cl. 501-87.000.
 Mehrotra, Pankaj K.; Peters, Klaus-Markus; and Swiokla, Joyce L., 4,826,791, Cl. 501-89.000.
 Mehrotra, Pankaj K.; Billman, Elizabeth R.; and North, Bernard, 4,852,999, Cl. 51-309.000.
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 Murray, Gerald D.; Gibson, Shelby R.; Carpenter, Keith J.; Carpenter, Kenneth E.; and Carpenter, Michael R., 4,854,784, Cl. 407-114.000.
 Niebauer, Kenneth L.; and Lockard, Thomas A., 4,834,592, Cl. 407-114.000.
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 Ramunas, Valdas S., 4,809,995, Cl. 279-1.00B.
 Ramunas, Valdas S., 4,850,762, Cl. 409-134.000.
 Ramunas, Valdas S., 4,850,765, Cl. 409-234.000.
 Royal, Harold J.; and Deemer, Randall E., 4,848,198, Cl. 82-1.110.
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 Whysong, Hubert H., 4,817,742, Cl. 175-410.000.
 Whysong, Hubert H., 4,821,819, Cl. 175-410.000.
Kennard, Edsel, Jr. Support for mixer buckets. 4,877,208, 10-31-89, Cl. 248-146.000.
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Kennard, Paul A.; Middleton, Joseph L.; Wu, Kuang-Tsan; and McNicol, John D., to Northern Telecom Limited. Method of quadrature-phase amplitude modulation. 4,855,692, 8-8-89, Cl. 332-17.000.
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 Middlin, Bruce; Locke, Norman; and Kennedy, Alan W., 4,840,710, Cl. 204-12.000.
Kennedy, Arvest G. Wing nut retainer and extractor. 4,822,226, 4-18-89, Cl. 411-342.000.
Kennedy, Billy E., to Robertshaw Controls Company. Vehicle engine coolant system and method of making the same. 4,848,652, 7-18-89, Cl. 236-34.500.
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Kennedy, Chandler J.: *See*—
 Barry, James D.; and Kennedy, Chandler J., 4,852,452, Cl. 89-1.110.
Kennedy, Christopher A., to United Technologies Corporation. Cooling means for augmentor liner. 4,848,081, 7-18-89, Cl. 60-261.000.
Kennedy, Christopher R.; and Newkirk, Marc S., to Lanxide Technology Company, LP. Method of making shaped ceramic composites. 4,824,622, 4-25-89, Cl. 264-59.000.
Kennedy, Christopher R.; Urquhart, Andrew W.; White, Danny R.; and Newkirk, Marc S., to Lanxide Technology Company, LP. Method for producing self-supporting ceramic bodies with graded properties. 4,882,306, 11-21-89, Cl. 501-87.000.
Kennedy, Christopher R.: *See*—
 Dwivedi, Ratnesh K.; and Kennedy, Christopher R., 4,806,508, Cl. 501-94.000.
 Kuszyk, Jack A.; and Kennedy, Christopher R., 4,874,569, Cl. 264-60.000.
 Lesher, H. Daniel; Kennedy, Christopher R.; White, Danny R.; and Urquhart, Andrew W., 4,847,220, Cl. 501-89.000.
Kennedy, Clinton R.; and Shih, Stuart S., to Mobil Oil Corporation. Manufacture of premium fuels. 4,846,959, 7-11-89, Cl. 208-97.000.
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Kennedy, Daniel. Spill proof cup. 4,869,390, 9-26-89, Cl. 220-90.400.
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Kennedy, David M.: *See*—
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Kennedy, Donald E.: *See*—
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Kennedy, Edward S.: *See*—
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Kennedy, Eugene D.; McAlister, Donald R.; and Tung, Albert E., to Monsanto Company. Fiber bed separator and process for removal of aerosols from high velocity gas without re-entrainment. 4,818,257, 4-4-89, Cl. 55-97.000.
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 Armour, Henry K.; Kennedy, G. Davon; Koppel, Gary A.; and Scott, William L., 4,814,439, Cl. 536-23.000.
Kennedy, George D. Dual-purpose water craft. 4,883,012, 11-28-89, Cl. 114-61.000.
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Kennedy, James C.; Lankelis, William M.; Puckett, Edward L.; and Young, Fred D., to Boeing Company, The. Ultrasonic inspection probe for laminated structures. 4,848,159, 7-18-89, Cl. 73-641.000.
Kennedy, James C.: *See*—
 Cook, James E.; Kennedy, James C.; and Young, Fred D., 4,807,476, Cl. 73-620.000.
Kennedy, James R.; and Ting, Edmund Y., to Grumman Aerospace Corporation. Method for diffusion bonding of metals and alloys using high energy source. 4,830,265, 5-16-89, Cl. 228-203.000.
Kennedy, James W., to David Kennedy (Engineers) Holdings Limited. Continuous towel cabinets. 4,848,854, 7-18-89, Cl. 312-38.000.
Kennedy, Jeffrey M.: *See*—
 Kendall, Robert M.; Kennedy, Jeffrey M.; Minden, Andrew C.; and Tidball, Richard K., 4,809,672, Cl. 126-91.00A.
Kennedy, John A., Jr.; and Hansen, Walter, to Dr.-Ing. Rudolf Hell GmbH. Laser diode output power stabilization in a laser imagesetter. 4,803,497, 2-7-89, Cl. 346-108.000.
Kennedy, John E.: *See*—
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 Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., 4,844,854, Cl. 264-235.000.
Kennedy, John M.; and Kennedy, William R. Head seal for a mine stopping. 4,820,081, 4-11-89, Cl. 405-132.000.
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 Hart, Richard A.; Newman, Leon A.; and Kennedy, John T., 4,807,232, Cl. 372-18.000.
 Hart, Richard A.; Newman, Leon A.; and Kennedy, John T., 4,807,233, Cl. 372-18.000.
 Hart, Richard A.; Newman, Leon A.; Heath, Archie D.; and Kennedy, John T., 4,807,234, Cl. 372-18.000.
Kennedy, John W.: *See*—
 Hardcastle, David; Higginson, John C.; and Kennedy, John W., 4,820,270, Cl. 604-96.000.

Kennedy, Joseph P., to University of Akron. Telechelic polymers made from sterically hindered binifers. 4,814,405, 3-21-89, Cl. 526-348.700.

Kennedy, Joseph P.; and Hongu, Yuji, to University of Akron. Amphiphilic polymers and method of making said polymers. 4,888,389, 12-19-89, Cl. 525-131.000.

Kennedy, Kurtis R.; and Childs, Lee R. Knitting machine stand. 4,836,492, 6-6-89, Cl. 248-676.000.

Kennedy, Melvin R.: *See—*
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Kennedy, Paul R.; Adams, Ernest C.; and Woenker, William E., to Chem-Elec, Inc. Blood plasma test method. 4,839,296, 6-13-89, Cl. 436-170.000.

Kennedy, Philip R. Implantable neural electrode. 4,852,573, 8-1-89, Cl. 128-642.000.

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Kennedy, Ralph, to Ampsco Corporation. Device for cutting a receptacle in pavement to receive a reflector. 4,797,025, 1-10-89, Cl. 404-90.000.

Kennedy, Ralph, to Ampsco Corporation. Steerable self-regulating concrete cutting saw. 4,848,845, 7-18-89, Cl. 299-39.000.

Kennedy, Richard A.; Zarabadi, Seyed R.; Anderson, Fred J.; and Stang, Marvin G., to Delco Electronics Corporation. Adaptive AM audio processor. 4,866,779, 9-12-89, Cl. 381-94.000.

Kennedy, Richard A.: *See—*
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  Marrah, Jeffrey J.; Manlove, Gregory J.; and Kennedy, Richard A., 4,882,548, Cl. 330-288.000.

Kennedy, Richard B.; and Widen, Jeffrey C., to Total Foam. Mixing device and method for its manufacture. 4,863,276, 9-5-89, Cl. 366-130.000.

Kennedy, Richard E.; and Friedrich, Earl R., to K Electronics, Inc. Tornado warning system. 4,812,825, 3-14-89, Cl. 340-601.000.

Kennedy, Robert: *See—*
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Kennedy, Robert D., to Ford Motor Company. Adjustable mounting bracket. 4,886,228, 12-12-89, Cl. 248-74.100.

Kennedy, Robert J. Dry land swimming training apparatus. 4,830,363, 5-16-89, Cl. 272-71.000.

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  Elliott, William A.; Greene, Richard A.; Kennedy, Robert P.; Poe, Robert P., Jr.; and Steece, William H., 4,873,762, Cl. 29-809.000.

Kennedy, Stephen T.: *See—*
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Kennedy, Steven, to Amoco Corporation. Railway lubricating oil. 4,820,431, 4-11-89, Cl. 252-56.00R.

Kennedy, Thomas P.; and Kabalka, George W., to University of Tennessee Research Corporation, The. Certain 3-substituted 2-alkyl benzofuran derivatives. 4,806,663, 2-21-89, Cl. 549-471.000.

Kennedy, Thomas P.; and Kabalka, George W., to University of Tennessee Research Corp., The. 3-substituted 2-alkyl indole derivatives. 4,831,156, 5-16-89, Cl. 548-494.000.

Kennedy, Thomas P.; and Kabalka, George W., to University of Tennessee Research Corporation. Certain 3-substituted 2-alkyl benzofuran derivatives. 4,851,554, 7-25-89, Cl. 549-471.000.

Kennedy Van Saun Corporation: *See—*
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Kennedy, William L., to Whirlpool Corporation. Single shaft agitate and spin drive for automatic washer. 4,803,855, 2-14-89, Cl. 68-23.700.

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Kennedy, William S., to Western Atlas International, Inc. Apparatus for generating seismic waves. 4,834,210, 5-30-89, Cl. 181-106.000.

Kennel, Elliot B.; Mahefkey, Edward T.; and Beam, Jerry E., to United States of America, Air Force. Lih thermal storage capsule/heat exchanger. 4,809,771, 3-7-89, Cl. 165-10.000.

Kennel, George W.; and Rollberg, Matthew J., to Dorr-Oliver Incorporated. Rake classifier. 4,853,115, 8-1-89, Cl. 209-173.000.

Kennel, Gerald R., to Riedel Omni Products, Inc. Tie-down system for railroad grade crossing. 4,846,401, 7-11-89, Cl. 238-7.000.

Kennel, Gordon. Combination infant seat and stroller. 4,872,693, 10-10-89, Cl. 280-30.000.

Kenner Parker Toys Inc.: *See—*
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Kenneth, F. Scott, to Wanamax Ventures, Inc. Cervical muscle exercising and testing apparatus. 4,845,987, 7-11-89, Cl. 73-379.000.

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Kenney, Andrew C.; Thompson, Philip W.; and Harris, John L., to Oros Systems Limited. Automatic chromatography apparatus. 4,802,981, 2-7-89, Cl. 210-198.200.

Kenney, Andrew C.; Thompson, Philip W.; and Harris, John L., to Oros Systems Limited. Automatic chromatography process. 4,861,488, 8-29-89, Cl. 210-656.000.

Kenney, Donald M., to International Business Machines Corporation. Semiconductor trench capacitor cell with merged isolation and node trench construction. 4,801,988, 1-31-89, Cl. 357-23.600.

Kenney, Donald M., to International Business Machines Corporation. Method of making a dynamic ram cell having shared trench storage capacitor with sidewall-defined bridge contacts and gate electrodes. 4,833,094, 5-23-89, Cl. 437-47.000.

Kenney, Donald M.: *See—*
  Cote, William J.; Kenney, Donald M.; Kerbaugh, Michael L.; Leach, Michael A.; Robinson, Jeffrey A.; and Sweetser, Robert W., 4,838,991, Cl. 156-643.000.

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Kenney, Robert D. Apparatus and method for flushing the crankcase of an internal combustion engine. 4,854,277, 8-8-89, Cl. 123-196.00A.

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  Walz, David K.; Howerton, Robert D.; Allen, Andrew W.; Mn, Theron C.; and Kenney, William H., 4,865,816, Cl. 422-123.00.

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  Bernard, Thomas E.; Sherwin, Gary W.; Kenney, William L., Jr.; and Lewis, Debra A., 4,883,063, Cl. 128-670.000.

Kenning, John H.: *See—*
  Renowden, Paul S.; Kenning, John H.; and Johnson, Ian S., 4,807,812, Cl. 239-132.000.

Kennis, Ludo E. J.; and Vandenberk, Jan, to Janssen Pharmaceutica N.V. 3-piperidinyl-substituted 1,2-benzisoxazoles and 1,2-benzisothiazoles. 4,804,663, 2-14-89, Cl. 514-258.000.

Kennis, Ludo E. J.: *See—*
  Janssens, Frans E.; Kennis, Ludo E. J.; Hens, Jozef F.; Torremans, Joseph L. G.; and Diels, Gaston S. M., 4,839,374, Cl. 514-394.00.

Kennon, James A.; Islam, Shafidul; Popken, Jeffrey L.; Medden, Jerry B.; Fitzgerald, Susan S.; Kelley, Donald R.; and Burr, Philip A., to Texas Instruments Incorporated. New IC molding process. 4,812,[illegible], 3-14-89, Cl. 425-116.000.

Kennon, James L.: *See—*
  Turner, James J.; McMillan, Guy H.; Pintelon, Joseph A. L.; Waryu, Joseph C.; Kennon, James L.; and Muller, Peter E., 4,886,013, Cl. 118-668.000.

Kenny, Brian P.; and Bowles, Roger A., to Tillotson Limited. Carburetor and valve mechanism. 4,877,560, 10-31-89, Cl. 261-35.000.

Kenny, Jonathan E.; and Woudenberg, Timothy, to Tufts University. Pulsed slit nozzle for generation of planar supersonic jets. 4,834,[illegible], 5-30-89, Cl. 239-99.000.

Kenny, Patrick M. Method and apparatus for removing submerged platforms. 4,799,829, 1-24-89, Cl. 405-195.000.

Kenny, Raymond J.: *See—*
  Mankins, William L.; Harris, Jerry A.; Hosier, James C.; and Kenny, Raymond J., 4,816,218, Cl. 420-584.00.

Kenny, Thomas J.: *See—*
  Crew, Albert W.; Neuner, James A.; Remley, Gilbert W.; Hager, Robert E.; Chambers, George M.; Delava, Eric A.; Wilson, Susan A.; Kenny, Thomas J.; and Sutherland, James I., 4,804,515, Cl. 376-216.000.

Kenny, Thomas L. Bicycle caliper brake adjusting tool. 4,824,[illegible], 4-25-89, Cl. 188-24.190.

KenoGard AB: *See—*
  Cameron, David G; Hudson, Harry R.; Lagerlund, Inger; and Pianka, Max, 4,888,330, Cl. 514-114.000.

Kenon, Willie L. Vehicle cover. 4,863,210, 9-5-89, Cl. 296-136.00.

Kenoun, Robert, to Motorola, Inc. Apparatus for sensor compensation. 4,798,093, 1-17-89, Cl. 73-708.000.

Kenrich Petrochemicals: *See—*
  Sugerman, Gerald; and Monte, Salvatore J., 4,816,522, Cl. 525-340.000.

Kensetsukiso Engineering Co., Ltd.: *See—*
  Yamada, Kunimitsu, 4,798,499, Cl. 405-286.000.

Kensey, Kenneth; and Nash, John, to Intravascular Surgical Instruments, Inc. Method and apparatus for forming a restriction in a vessel, duct or lumen. 4,795,438, 1-3-89, Cl. 604-22.000.

Kensey, Kenneth, to Kensey Nash Corporation. Method and apparatus for sealing an opening in tissue of a living being. 4,852,568, 8-1-89, Cl. 128-325.000.

Kensey Nash Corporation: *See—*
  Kensey, Kenneth, 4,852,568, Cl. 128-325.000.
  Nash, John; and Michels, Mark, 4,811,735, Cl. 128-305.00.

Kensler, Terry T.: *See—*
  Behme, Robert J.; Kensler, Terry T.; and Mikolasek, Douglas G., 4,810,789, Cl. 544-230.000.

Kensuke, Asada: *See—*
  Yasushi, Mikura; Kensuke, Asada; and Hajime, Toguchi, 4,812,[illegible], Cl. 530-351.000.

Kent Adhesive Products Co.: *See—*
  Barnett, Charles J., 4,879,149, Cl. 428-41.000.
  Barnette, C. Joseph, 4,861,636, Cl. 428-41.000.

Kent, Alexander G.; and MacAlpine, Derek K., to BP Chemicals Limited. Process for the production of isobutylbenzene from an isobutenylcyclohexene. 4,827,070, 5-2-89, Cl. 585-430.000.

Kent, Alexander G.; Lawrenson, Malcolm J.; and Macalpine, Derek K., to BP Chemicals Limited. Process for the production of 2,3-dimethylbutene-1 from propene. 4,835,328, 5-30-89, Cl. 585-329.000.

Kent, Alexander G., to BP Chemicals Limited. Production of formate salts. 4,879,070, 11-7-89, Cl. 562-550.000.

Kent, Alexander G.: *See—*
  Anderson, Jeffrey J.; Drury, David J.; Hamlin, John E.; and Kent, Alexander G., 4,855,496, Cl. 562-609.000.

Kent, Allan R.; Stewart, Robert E.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; and Metz, Donald R., to Digital Equipment Corporation. Computer interconnect coupler employing crossbar switching. 4,845,722, 7-4-89, Cl. 370-58.000.

Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagame, Steven P.; and Kirk, Robert C., to Digital Equipment Corporation. Computer interconnect coupler for clusters of data processing devices. 4,887,076, 12-12-89, Cl. 340-825.160.

Kent Company, The: *See—*
  Wiese, Martin, 4,841,595, Cl. 15-352.000.
  Wray, Charles C., Jr., 4,866,565, Cl. 361-215.000.

Kent, Dale W.; and Berger, Thomas W., to Minnesota Mining and Manufacturing Company. Treatment of hazardous material with vapor suppressing, persistent, water-containing, polymeric air foam. 4,795,590, 1-3-89, Cl. 252-307.000.

Kent, David E.: *See—*
  Barrett, John P.; Schulz, Daniel R.; Kent, David E.; deFasselle, Robert J.; and Zega, Henry E., 4,870,986, Cl. 137-119.000.

Kent, David L.; and Khan, Rashid N., to Systems Integration Technology, Inc. Laser strain extensometer for material testing. 4,869,110, 9-26-89, Cl. 73-800.000.

Kent Design & Mfg., Inc.: *See—*
  VanNoord, Andrew J., 4,887,725, Cl. 21-41.000.

Kent, Gail H. Pad holder. 4,838,886, 6-13-89, Cl. 604-392.000.

Kent, George M., to Plato Products, Inc. Soldering iron tip. 4,830,260, 5-16-89, Cl. 228-54.000.

Kent, George M., to Plato Products, Inc. Desoldering aid and method. 4,858,820, 8-22-89, Cl. 228-264.000.

Kent, George W., Jr. Fish scaling apparatus and process. 4,875,255, 10-24-89, Cl. 17-64.000.

Kent, John D.: *See—*
  Craig, Philip A.; Haeling, Richard T.; Kent, John D.; and Schmoker, Duane S., 4,800,062, Cl. 376-272.000.

Kent, John S.: *See—*
  Hsiao, Charles H.; and Kent, John S., 4,803,079, Cl. 424-468.000.

Kent, Keith. Self-adhesive, drag reducing polymeric coating. 4,839,456, 6-13-89, Cl. 528-33.000.

Kent, Michael J.: *See—*
  Gall, Russell A.; Clements, Don A.; and Kent, Michael J., 4,871,094, Cl. 222-386.000.
  Guerra, Diane R.; Kent, Michael J.; and Clements, Don A., 4,865,189, Cl. 206-221.000.

Kent, Michael S.: *See—*
  Parsons, Thomas O.; Thompson, Kenneth C.; and Kent, Michael S., 4,865,064, Cl. 135-68.000.

Kent-Moore Corporation: *See—*
  DeMarteleare, David L.; and Lindquist, Craig B., 4,845,998, Cl. 73-862.230.
  Dunham, Byron J.; Murray, Gary P.; and Bulla, Don A., 4,879,546, Cl. 340-632.000.
  Manz, Kenneth W.; Shirley, Roger D.; Parks, Richard D.; and Hickman, Dennis W., 4,805,416, Cl. 62-292.000.
  Manz, Kenneth W.; and Shirley, Roger D., 4,809,520, Cl. 62-292.000.
  Murray, Gary P.; Lower, Ralph; Dunham, Byron J.; and Bulla, Don A., 4,798,055, Cl. 62-127.000.
  Punches, Robert J.; Murray, Gary P.; and Shirley, Roger D., 4,878,356, Cl. 62-149.000.

Kent, Roger S. Display member. 4,864,752, 9-12-89, Cl. 40-477.000.

Kent Scientific: *See—*
  Collier, Richard J., 4,799,498, Cl. 128-774.000.

Kent, Sherwood. Foam-honeycomb article and method. 4,857,380, 8-15-89, Cl. 428-117.000.

Kent, Stephen B. H.: *See—*
  Bridgham, John; Geiser, Timothy G.; Hunkapiller, Michael W.; Kent, Stephen B. H.; Marriott, Mark P.; Ramstad, Paul O.; and Nordman, Eric S., 4,816,513, Cl. 525-54.110.
  Neurath, Alexander R.; Kent, Stephen B. H.; and Strick, Nathan, 4,803,156, Cl. 435-7.000.
  Neurath, Alexander R.; and Kent, Stephen B. H., 4,847,080, Cl. 424-89.000.
  Neurath, Alexander R.; and Kent, Stephen B. H., 4,861,588, Cl. 424-89.000.

Kent, Steven, to Colgate-Palmolive Company. Adjustable toothbrush. 4,875,248, 10-24-89, Cl. 15-143.00R.

Kent, Van A.; Behr, William R.; and Kirby, Larry H., to Dow Chemical Company, The. Removal of hydrogen sulfide from fluid streams with minimum production of solids. 4,830,838, 5-16-89, Cl. 423-226.000.

Kent, Van A.; Kirby, Larry H.; and Behr, William R., to Dow Chemical Company, The. Process for selectively removing sulfur dioxide. 4,834,959, 5-30-89, Cl. 423-242.000.

Kentec, Inc.: *See—*
  Kennedy, George W., 4,867,367, Cl. 227-120.000.

Kentek Information Systems, Inc.: *See—*
  Fukae, Kensuke; and Kaieda, Shozo, 4,814,798, Cl. 346-160.000.
  Fukae, Kensuke; and Kaieda, Shozo, 4,825,245, Cl. 355-3.0SH.
  Fukae, Kensuke; and Kaieda, Shozo, 4,829,337, Cl. 355-296.000.
  Fukae, Kensuke; and Kaieda, Shozo, 4,841,334, Cl. 355-271.000.

Kenten, John H.: *See—*
  Boss, Michael A.; Kenten, John H.; Emtage, John S.; and Wood, Clive R., 4,816,397, Cl. 435-68.000.

Kentex Information Systems, Inc.: *See—*
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Kentinental Engineering Limited: *See—*
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Kentrox Industries, Inc.: *See—*
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Kenward, Gary W.: *See—*
  Scotton, Geoffrey R.; and Kenward, Gary W., 4,829,519, Cl. 371-5.000.

Kenworthy, David M. A.; Bridgstock, Eric; and Dunkey, Edwin A. W., to Fusion Plastics Limited. Method of making electroweldable sockets. 4,797,993, 1-17-89, Cl. 29-613.000.

Kenworthy, David M. A.: *See—*
  Bridgstock, Eric; Glaves, Brian; Kenworthy, David M. A.; and Bilton, David A., 4,795,877, Cl. 219-109.000.

Kenworthy, Gordon; Mitchell, Colin H.; and Hawkins, Keith S., to National Nuclear Corporation Ltd. Liquid metal cooled nuclear reactors. 4,879,089, 11-7-89, Cl. 376-399.000.

Kenworthy, Milton J.; and King, Robert C., to General Electric Company. Dispensing arrangement for pressurized air. 4,852,355, 8-1-89, Cl. 60-751.000.

Kenyeres, Istvan; and Koch, Lehel, to Innofinance Altalanos Innovacios Penzintezet. Process for contacting gases with liquids. 4,840,751, 6-20-89, Cl. 261-36.100.

Kenyon, Anthony. Dispensing and deposit machine. 4,819,866, 4-11-89, Cl. 232-43.300.

Kenyon, Arthur, to Red Wing Shoe Company, Inc. Walking shoe with padded collar. 4,856,209, 8-15-89, Cl. 36-114.000.

Kenyon, Douglas A.: *See—*
  Gudmundson, Gunnar G.; Hebert, Martin E.; Hadank, Walter R.; Crochetiere, Raymond H.; and Kenyon, Douglas A., 4,821,061, Cl. 355-40.000.

Kenyon, Ian R.; Russell, Peter J.; and Taylor, Thomas, to Lever Brothers Company. Wash-softener containing amine on a crystal-growth-modified carbonate carrier. 4,882,074, 11-21-89, Cl. 252-8.800.

Kenyon, Kenneth H.: *See—*
  Kulibert, Gregory S.; and Kenyon, Kenneth H., 4,816,355, Cl. 429-174.000.

Kenyon, Maynard A., 2nd, to General Foods Corporation. Tamper-evident container. 4,813,559, 3-21-89, Cl. 215-230.000.

Kenyon, Maynard A., 2nd, to General Foods Corporation. Cup and closure system. 4,832,201, 5-23-89, Cl. 206-515.000.

Kenyon, Rebecca A.: *See—*
  Brooks, Norman D.; Kenyon, Rebecca A.; and Vanevenhoven, Peter W., 4,797,275, Cl. 424-78.000.

Kenyon, Richard L.: *See—*
  Duenes, Patricia; Kenyon, Richard L.; Scapes, John N.; Schild, Eugene H.; and Strong, Arthur P., 4,831,833, Cl. 62-140.000.

Kenyon, Ronald W.: *See—*
  Brierley, David; Kenyon, Ronald W.; and Ridyard, Denis R. A., 4,881,943, Cl. 8-662.000.

Kenyon, Stephen C.; Simkins, Laura J.; and Sebastian, Richard L., to Broadcast Data Systems Limited Partnership. Broadcast information classification system and method. 4,843,562, 6-27-89, Cl. 364-487.000.

Kenyon, Stephen C.: *See—*
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Kenyon, William E. Head restraint for vehicles. 4,869,448, 9-26-89, Cl. 248-118.000.

Kenzelmann, Frederick J.: *See—*
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Kenzelmann, Joseph E.; and Kenzelmann, Frederick J., to Automatic Electrolock, Inc. Electromagnetic garage door locking apparatus. 4,819,379, 4-11-89, Cl. 49-280.000.

Keogh, Raymond J.: *See—*
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  Swiggett, Brian E.; Morino, Ronald; Keogh, Raymond J.; Crowell, Jonathan C.; Szenczy, George; Schoenberg, Andrew J.; and Friedrich, Marju L., 4,859,807, Cl. 174-68.500.

Keoshkerian, Barkev: *See—*
  Ong, Beng S.; Keoshkerian, Barkev; and Murti, Dasarao K., 4,835,081, Cl. 430-59.000.
  Winnik, Francoise M.; and Keoshkerian, Barkev, 4,877,451, Cl. 106-23.000.

Keown, Robert W.: *See—*
  Daly, Mary M.; Keown, Robert W.; and Knorr, Dietrich W., 4,808,707, Cl. 536-3.000.

Kephart, Alan R.; and Alberts, Alfred H., to United States of America, Energy. Electrochemical polishing of notches. 4,806,216, 2-21-89, Cl. 204-129.500.
Kepiro, Joseph. Exercise device. 4,881,732, 11-21-89, Cl. 272-73.000.
Kepler, James F.: *See—*
  Borth, David E.; and Kepler, James F., 4,887,050, Cl. 331-34.000.
Kepley, Charles F. Camouflage device for hunter's seat. 4,81 ,441, 3-21-89, Cl. 135-90.000.
Keplinger, Klaus; Wagner, Hildebert; and Kreutzkamp, Barbara, to Keplinger, Klaus. Oxindole alkaloids having properties stimulating the immunologic system. 4,844,901, 7-4-89, Cl. 424-195.100.
Kepner, Al N.: *See—*
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Keppler, Bernhard: *See—*
  Keller, Heimo; Keppler, Bernhard; Kruger, Uwe; and Linder, Rudolf, 4,804,681, Cl. 514-493.000.
  Keller, Heimo; and Keppler, Bernhard, 4,843,069, Cl. 514-184.000.
Keppler, Charles N. Appliance paging system. 4,797,656, 1-10-89, Cl. 340-539.000.
Keppler, Rainer, to Manutec Gesellschaft fur Automatisierungs- und Habungssysteme GmbH. Gantry arrangement for an industrial robot. 4,802,377, 2-7-89, Cl. 74-422.000.
Keppler, Rainer; and Kleemann, Robert, to Manutec Gesellschaft fur Automatisierungs-und Handhabungssysteme mbH. Robot joint arrangement. 4,846,015, 7-11-89, Cl. 74-665.0GC.
Kepplinger, Werner, to Deutsche Voest-Alpine Industrieanlagenbau GmbH. Process of dezincifying a material flow when operating a pig-iron production plant. 4,878,943, 11-7-89, Cl. 75-25.000.
Kepplinger, Werner: *See—*
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  von Bogdandy, Ludwig; Kepplinger, Werner; Stift, Kurt; Papst, Gero; and Hauk, Rolf, 4,861,369, Cl. 75-38.000.
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  Collins, Thomas J.; and Graham, Thomas G., 4,827,504, Cl. 379-399.000.
  Collins, Thomas J., 4,882,647, Cl. 361-119.000.
  Lynch, Daniel; and Hogan, James P., 4,864,598, Cl. 379-6.000.
  Perry, Steven B., 4,796,290, Cl. 379-27.000.
  Perry, Steven B., 4,807,277, Cl. 379-102.000.
  Steenton, George R.; and Marks, Rick R., 4,863,398, Cl. 439-538.000.
  Ward, Donald A.; and Steenton, George R., 4,863,393, Cl. 439-188.000.
Ker, Eric L.; and Griffin, Joseph R., to General Motors Corporation. Heated solid electrolyte oxygen sensor and securing element therefor. 4,824,550, 4-25-89, Cl. 204-427.000.
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  Nakamura, Masahiro; Murata, Tomohiro; Komoda, Norihisa; Kera, Kazuo; Tsuchitani, Kenji; and Matsumoto, Kuniaki, 4,802,094, Cl. 364-468.000.
Kerai, Manji R. K. Infinitely variable rotary resistor assembly. 4,801,914, 1-31-89, Cl. 338-162.000.
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  Bayerlein, Friedrich; Keramaris, Nikolaos; Kottmair, Nikolaus; Kuhn, Manfred; and Maton, Michel M., 4,840,811, Cl. 426-430.000.
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Kerb, Ulrich; Nishino, Yukishige; and Henderson, David, to Schering Aktiengesellschaft. 1-methyl-15α-(1-oxyalkyl)androsta-1,4-diene-3,17-diones, processes for their production, and pharmaceutical preparations containing them. 4,871,725, 10-3-89, Cl. 514-177.000.
Kerbart, Yves, to Schlumberger Technology Corporation. Procedure for measuring the rate of penetration of a drill bit. 4,843,875, 7-4-89, Cl. 73-151.500.
Kerbaugh, Michael L.; Koburger, Charles W., III; Lasky, Jerome B.; Parries, Paul C.; and White, Francis R., to International Business Machines Corporation. Method of self-aligning a trench isolation structure to an implanted well region. 4,799,990, 1-24-89, Cl. 156-636.000.
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Kerber, Hermann: *See—*
  Becker, Heinz D.; Bederke, Klaus; Dahm, Ralf; Kerber, Hermann; Sadowski, Fritz; and Stephan, Werner, 4,855,342, Cl. 524-31.000.
  Bederke, Klaus; Brock, Thomas; Kerber, Hermann; and Rupieper, Paul, 4,839,414, Cl. 524-507.000.
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Kerby, Thomas D. Method and apparatus for indexing and labeling electronic disks. 4,837,652, 6-6-89, Cl. 360-133.000.
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  Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,806,645, Cl. 546-13.000.
  Hermecz, Istvan; Kereszturi, Geza; Vasvavi, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Szuts, Tamas; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,871,849, Cl. 544-229.000.
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Kerff, Karlheinz, to Kernforschungszentrum Karlsruhe GmbH. Neutron and/or gamma radiation detecting system. 4,829,185, 5-9-89, Cl. 250-361.00R.
Kerfoot, Branch P. Fluid-flow drag reducers. 4,829,929, 5-16-89, Cl. 114-243.000.
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Kerherve, Jean-Pierre; and Queromes, Armel. Method for forming a coated substrate. 4,812,332, 3-14-89, Cl. 427-168.000.
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Kerimis, Dimitrios; and Muller, Hanns P., to Bayer Aktiengesellschaft. Process for the preparation of polyisocyanates containing isocyanurate groups. 4,837,321, 6-6-89, Cl. 544-193.000.
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  Kerins, George C.; and Kerins, James, 4,844,498, Cl. 280-504.000.
Keritsis, George, to Carboloy Inc. Modular locking system. 4,829,8 5-16-89, Cl. 82-158.000.
Keritsis, George, to Carboloy Inc. Milling cutter. 4,848,976, 7-18-89, Cl. 407-41.000.
Keritsis, George, to Carboloy Inc. Apparatus for securing a cutting tool in a tool holder and machine tools employing the same. 4,86 9-12-89, Cl. 279-1.00N.
Keritsis, Gus D.: *See—*
  Tamol, Ronald A.; Nepomuceno, Jose G.; Keritsis, Gus D.; Bennett, George H.; Thesing, Richard A.; Winterson, Warren D.; and Nichols, Walter A., 4,874,000, Cl. 131-375.000.
Kerkay, Julius. Crossed immunoelectrophoretic technique for predicting Down's syndrome occurrence. 4,818,708, 4-4-89, Cl. 436-516.000.
Kerkenaar, Antonius, to Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek. Method for controlling vascular withering diseases in plants, especially dutch elm disease. 4,814,331, 3-21-89, Cl. 514-231.500.

Kerkhoff, Alois-Bernhard; Wanka, Rudolf; and Storbeck, Wolfgang, to Felix Schoeller, Jr. GmbH & Co. KG. Waterproof photographic paper support. 4,808,267, 2-28-89, Cl. 162-13.000.
Kerkhoff, Alois-Bernhard: *See—*
  Merz, Heinz-Otto; Kerkhoff, Alois-Bernhard; and Storbeck, Wolfgang, 4,820,582, Cl. 428-328.000.
Kerkhoff, Ewald F. Antibacklash gears including rack and pinion gears. 4,879,920, 11-14-89, Cl. 74-465.000.
Kerkhoffs, Pieter L.; and Boesten, Wilhelmus H. J., to Stamicarbon B.V. Process for the preparation of L-alpha-amino acid and d-alpha-amino acid amide. 4,880,737, 11-14-89, Cl. 435-106.000.
Kerle, Edward J.: *See—*
  Gauchel, James V.; Wilson, Edward L.; Kerle, Edward J.; and Beaver, Terry R., 4,822,439, Cl. 156-285.000.
Kerler, Rudolf: *See—*
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Kerlin, Gregg W.: *See—*
  Baker, William T., Jr.; Buffum, Charles M.; Jolissaint, Charles H.; and Kerlin, Gregg W., 4,805,209, Cl. 379-96.000.
Kerlin, Harold W.: *See—*
  Fleming, David F.; Kerlin, Harold W.; Pauza, William V.; and Sheesley, Wilmer L., 4,884,982, Cl. 439-620.000.
Kerlin, James R.: *See—*
  Rome, Terry L.; and Kerlin, James R., 4,826,467, Cl. 474-14.000.
Kerman, Michael L., to Cartex Corporation. Acoustical barrier for vehicles. 4,800,984, 1-31-89, Cl. 181-290.000.
Kermelk, Werner: *See—*
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Kern, Alfred: *See—*
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Kern, David W.: *See—*
  Fioravanti, Kenneth J.; Kern, David W.; and Stelts, Philip D., 4,869,749, Cl. 75-58.000.
Kern, Donald W.: *See—*
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Kern, Edward C., Jr.: *See—*
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Kern Engineering & Mfg. Corp.: *See—*
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Kern, Ernest E.: *See—*
  Menger, William M.; Kern, Ernest E.; Allen, Kermit; Karkalits, O. C.; Wise, Donald L.; and Leuschner, Alfred P., 4,845,034, Cl. 435-167.000.
Kern, Francis G., to New York University; and Basilico, Claudio. Murine host-vector system capable of amplifying and expressing transfected genes. 4,839,284, 6-13-89, Cl. 435-68.000.
Kern, Gerald N., to Kern, Gerald N. Anti-fungal methods and agent. 4,885,310, 12-5-89, Cl. 514-547.000.
Kern, Hans, to Grunbeck Wasseraufbereitung GmbH. Metering pump. 4,865,525, 9-12-89, Cl. 417-307.000.
Kern, Hans: *See—*
  Arens, Hans; Kern, Hans; and Haslberger, Richard, 4,800,918, Cl. 137-488.000.
Kern, Heiner; and Heller, Rudolf, to Contraves AG. Tape wheel for weft thread insertion at a weaving machine. 4,865,084, 9-12-89, Cl. 139-449.000.
Kern, Ingo. Storage container for a paint roller. 4,802,576, 2-7-89, Cl. 206-225.000.
Kern, Jeffrey A., to General Electric Company. Temperature sensor assembly for an automatic surface unit. 4,812,624, 3-14-89, Cl. 219-450.000.
Kern, Karle O., Jr., to Dana Corporation. Preloaded steering ball joint assembly and method. 4,875,794, 10-24-89, Cl. 403-132.000.
Kern, Mark T.: *See—*
  Hodges, Steven E.; and Kern, Mark T., 4,864,146, Cl. 250-504.00R.
Kern, Peter; Bayer, Gerhard; and Solf, Johannes, to SWG Schraubenwerk Gaisbach GmbH & Co. KG. Pliers-type hand tool. 4,829,858, 5-16-89, Cl. 81-415.000.
Kern, Robert F.: *See—*
  Crockett, Robert N.; Kern, Robert F.; Miller, Arnold G.; Norris, Richard E.; Poisson, Michael W., Jr.; and Wagner, Robert E., 4,837,680, Cl. 364-200.000.
Kern, Ronald D., to Colgate-Palmolive Co. Fabric softening and antistatic particulate wash cycle laundry additive containing cationic/anionic surfactant complex on bentonite. 4,882,076, 11-21-89, Cl. 252-8.800.
Kern, Ronald M.: *See—*
  Flannagan, William J.; Kern, Ronald M.; Kulakowski, John E.; and Wagner, Robert E., 4,827,462, Cl. 369-32.000.
Kern, Siegfried; and Glaser, Otmar, to Frako, Kondensatoren-und Apparatebau GmbH. Method and circuit arrangement for measuring in-phase and quadrature components of current in an electrical alternating current power supply. 4,814,696, 3-21-89, Cl. 324-142.000.
Kern, Walter P., to Teradyne, Inc. Probe for testing electronic components. 4,812,745, 3-14-89, Cl. 324-158.00P.
Kernal, Dickie L., to Otis Engineering Corporation. Coil spring supported sealing element and device. 4,809,989, 3-7-89, Cl. 277-30.000.
Kern + Dolliner Konstruktionen GmbH: *See—*
  Dolliner, Josef, 4,862,717, Cl. 72-7.000.
Kerndt, Rickie S.: *See—*
  Recktenwald, Diether J.; Kerndt, Rickie S.; Loken, Michael R.; and Chen, Chia H., 4,867,908, Cl. 252-408.100.
Kerner, Bernhard: *See—*
  Friedrich-Fiechtl, Jurgen-Dietrich; Kerner, Bernhard; Holzapfel, Jurgen; Puschmann, Martin; Kimura, Tokusuke; and Kurosu, Fumio, 4,835,257, Cl. 530-387.000.
Kerner, Horst, to Lindauer Dornier Gesellschaft mbH. Guide mechanism for a weft thread inserting gripper rod in shuttleless looms. 4,807,671, 2-28-89, Cl. 139-449.000.
Kerner, James M.; Palmer, Carl; Reed, Michael A.; and Pagendarm, John J., to Kerner, James M.; Palmer, Carl; and Toffel, Paul, a part interest. Thermoelectric heating and/or cooling system using liquid for heat exchange. 4,833,888, 5-30-89, Cl. 62-3.300.
Kernforschungeszentrum Karlsruhe G.m.b.H.: *See—*
  Mattheck, Claus; and Kremer, Siegfried, 4,803,970, Cl. 124-23.00R.
Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung: *See—*
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  Divisek, Jiri; and Schmitz, Heinz, 4,857,153, Cl. 204-16.000.
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  Godziemba-Maliszewski, Jerzy, 4,851,299, Cl. 428-606.000.
  Ibach, Harald; Brachmann, Heinz-Dieter; and Lehwald, Sieghart, 4,845,361, Cl. 250-305.000.
  Junkermann, Wolfgang, 4,814,605, Cl. 250-227.000.
  Keller, Manfred, 4,795,612, Cl. 422-64.000.
  Pilwat, Gunter; and Rudolph, Jochen, 4,887,434, Cl. 62-55.500.
  Prince, Kevin C., 4,871,915, Cl. 250-372.000.
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  Range, Jochen; Hohlein, Bernd; Niessen, Hans; Vau, Volker; Schiebahn, H. J. R.; Hoffmann, Horst; and Vorwerk, Manfred, 4,839,391, Cl. 518-712.000.
  Ringel, Helmut; Frommelt, Wolfgang; Hein, Kurt; and Messler, Martin, 4,816,041, Cl. 55-62.000.
  Struck, Bernd D.; Neumeister, Herbert; and Naoumidis, Aristides, 4,873,121, Cl. 427-77.000.
  Wolters, Johannes-Peter; and Escherich, Karl-Heinz, 4,836,443, Cl. 236-92.00C.
  Zimmer, Erich; Langen, Hans; and Scharf, Kurt, 4,859,368, Cl. 252-629.000.
Kernforschungszentrum Karlsruhe GmbH: *See—*
  Braun, Hartmut; and Vogg, Hubert, 4,873,065, Cl. 423-210.000.
  Cerff, Karlheinz; Giraud, Helmut; and Krieg, Gunther, 4,849,637, Cl. 250-345.000.
  Dietrich, Manfred; Dustmann, Cord-Heinrich; Schmaderer, Franz; and Wahl, Georg F. H., 4,828,054, Cl. 204-192.240.
  Dulmann, Hans-Georg; and Marnsteg, Hans, 4,865,803, Cl. 376-314.000.
  Ehrfeld, Wolfgang; and Munchmeyer, Dietrich, 4,797,211, Cl. 210-321.840.
  Ehrfeld, Wolfgang; Hagmann, Peter; Mohr, Jurgen; and Munchmeyer, Dietrich, 4,872,888, Cl. 55-16.000.
  Faubel, Werner; and Ali, Sameh A., 4,826,604, Cl. 210-661.000.
  Furrer, Jurgen; Jannakos, Konstantin; and Potgeter, Georg, 4,826,518, Cl. 55-484.000.
  Gompper, Klaus, 4,824,607, Cl. 252-631.000.
  Gusten, Hans; Ache, Hans-Joachim; Rinke, Monika; and Wirth, Hermann O., 4,876,029, Cl. 252-301.170.
  Halbritter, Jurgen; and Baumgartner, Hartmut, 4,857,360, Cl. 427-62.000.
  Henrich, Edmund; and Weirich, Friedheim, 4,844,715, Cl. 55-44.000.
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  Kerff, Karlheinz, 4,829,185, Cl. 250-361.00R.
  Kolarik, Zdenek; and Schuler, Robert, 4,839,101, Cl. 252-627.000.
  Ohlmeyer, Manfred; and Benzel, Martin, 4,810,476, Cl. 423-239.000.
  Penzhorn, Ralf-Dieter; and Yoshida, Hiroshi, 4,875,945, Cl. 376-146.000.
  Petrich, Georg; and Schmieder, Helmut, 4,871,478, Cl. 252-627.000.
  Reinhardt, Karl H.; Dittmer, Helmut; and Gandress, Jurgen, 4,849,179, Cl. 422-89.000.
  Rinke, Monika; and Guesten, Hans, 4,853,937, Cl. 372-53.000.
  Schmaderer, Franz; Wahl, Georg F.; Dustmann, Cord-Heinrich; Fitzer, Erich; Brennfleck, Karl; and Dietrich, Manfred, 4,849,288, Cl. 428-366.000.
  Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, 4,880,986, Cl. 250-484.100.
Kernforschungszentrum Karlsruhe GmbH and Pipetronix GmbH: *See—*
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Kernon, John D.; Langley, Kenneth R.; and Thatcher, Mark R., to Rolls-Royce plc. Rotor assembly. 4,854,821, 8-8-89, Cl. 416-95.000.
Kernstorschungzentrum Karlsruhe GmbH: *See—*
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Kero, Ernst, to Plannja AB. Profiled sheet for building purposes. 4,862,666, 9-5-89, Cl. 52-630.000.

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Kerr, Earnest M.: *See*—
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Kerr, George T.: *See*—
LaPierre, Rene B.; Partridge, Randall D.; Reischman, Paul T.; and Kerr, George T., 4,840,930, Cl. 502-79.000.
Kerr Glass Manufacturing Corporation: *See*—
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Kerr, Howard A.: *See*—
Bowers, Thomas E.; Frey, Alan E.; Kerr, Howard A.; Russell, Larry A.; and Stone, Roger E., 4,885,738, Cl. 370-58.100.
Kerr, Howard T.; Buchanan, Michael E.; and Valentine, Kenneth H., to Martin Marietta Energy Systems, Inc. Method and device for identifying different species of honeybees. 4,876,721, 10-24-89, Cl. 358-56.000.
Kerr, Kyle E. N.: *See*—
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Kerr Machinery Corporation: *See*—
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Kerr Manufacturing Company: *See*—
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Kerr-McGee Chemical Corporation: *See*—
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Riggs, Olen L., Jr., 4,874,4[illegible]4, Cl. 134-3.000.
Kerr-McGee Corporation: *See*—
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Kerr Measurement Systems, Inc.: *See*—
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Kerr, Paul R.; Pettit, Paul H., Jr.; and Ewing, William S., to PPG Industries, Inc. Powder coating curing system containing a beta-hydroxyalkylamide. 4,889,890, 12-26-89, Cl. 525-113.000.
Kerr, Reginald J.; and Suo-Anttila, Tapio, to Hitek-Proteck Systems Incorporated. Taut wire intrusion detection system. 4,829,287, 5-9-89, Cl. 340-541.000.
Kerr, Robert C.; and Murray, John H., to Milliken Research Corporation. Dust control mat with non-cleated borders. 4,886,692, 12-12-89, Cl. 428-82.000.
Kerr, Stanton W. Transmission device for plumbing snakes. 4,819,292, 4-11-89, Cl. 15-104.330.
Kerr, Walter B.: *See*—
Eder, Matthias; and Kerr, Walter B., 4,802,334, Cl. 60-261.000.
Kerr, Wayne L., to Kerr Measurement Systems, Inc. Method for determining cable length in a well bore. 4,852,263, 8-1-89, Cl. 33-133.000.
Kerrey, John S., to Westinghouse Electric Corp. Method and apparatus for securing structural tubes in nuclear reactor fuel assemblies. 4,859,408, 8-22-89, Cl. 376-450.000.
Kerrigan, Barry E.: *See*—
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Kerry Foods, Inc.: *See*—
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Kerschbaum, Walter: *See*—
Werner, Johannes; Kerschbaum, Walter; and Heinrich, Rolf, 4,886,023, Cl. 123-197.0AC.
Werner, Johannes; Kerschbaum, Walter; and Heinrich, Rolf, 4,889,090, Cl. 123-197.0AC.
Kerschenbaum, Barry: *See*—
Kerschenbaum, Sidney; Kerschenbaum, Barry; and Kerschenbaum, Charles, 4,800,741, Cl. 70-13.000.
Kerschenbaum, Charles: *See*—
Kerschenbaum, Sidney; Kerschenbaum, Barry; and Kerschenbaum, Charles, 4,800,741, Cl. 70-13.000.
Kerschenbaum, Sidney; Kerschenbaum, Barry; and Kerschenbaum, Charles. Electrically and manually operable door lock with convenient backset selection. 4,800,741, 1-31-89, Cl. 70-13.000.
Kerscher, Lorenz; Siedel, Joachim; Ziegenhorn, Joachim; and Pautz, Brigitte, to Boehringer Mannheim GmbH. Process and reagent for the specific determination of HDL cholesterol in serum or plasma. 4,851,335, 7-25-89, Cl. 435-11.000.
Kerschner, Ronald K.; and Bullock, Michael L., to Hewlett-Packard Company. Board fixturing system. 4,818,933, 4-4-89, Cl. 324-158.00F.
Kersenbrock, Michael D., to Tektronix, Inc. Event distribution and combination system. 4,801,813, 1-31-89, Cl. 307-40.000.
Kersey, Alan D., to Sachs/Freeman Associates, Inc. Method and apparatus for increasing the unambiguous sensing range in an interferometric fiber gyroscope. 4,874,244, 10-17-89, Cl. 356-350.000.
Kersey, Alan D.; and Dandridge, Anthony, to United States of America, Navy. Serial interferometric fiber-optic sensor array. 4,889,986, 12-26-89, Cl. 250-227.[illegible]
Kersey, Bill: *See*—
Slobodzian, Greg; Kersey, Bill; and [illegible], Brent, 4,820,95[illegible], Cl. 315-51.000.
Kersey, Kevin T., to D. H. Technology, Inc. Dot matrix print head assembly. 4,886,381, 12-12-89, Cl. 400-124.000.
Kersh, Douglas W.: *See*—
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Kershaw, Alex. Security device for electric appliances. 4,865,557, 9-12-89, Cl. 439-133.000.
Kershaw, Charles H., to I.V.P. Co. Fiber optic transducer with fiber-to-fiber edge coupling. 4,839,515, 6-13-89, Cl. 250-227.000.
Kershaw, Frederic R. Shellfish lure. 4,833,815, 5-30-89, Cl. 43-42.70.
Kershaw, Jacqueline A., to Shell Oil Company. Composition containing epoxy resin and alkyl hindered polyaromatic diamine and monoaromatic amine curing agents. 4,874,833, 10-17-89, Cl. 528-90.000.
Kershaw Manufacturing Co., Inc.: *See*—
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Whitaker, John B., Jr., 4,848,426, Cl. 144-133.00B.
Whitaker, John B., Jr., 4,850,123, Cl. 37-104.000.
Whitaker, John B., Jr., 4,882,860, Cl. 37-191.00A.
Kershaw, Peter; Meixner, Beo; and Olmstead, Gordon, to Magna International Inc. Double stage taumel gear reduction unit. 4,884,844, 12-5-89, Cl. 297-362.000.
Kershner, Carl J.; and Burgess, Edward T., to Femto-Tech, Inc. Phase shifted feedback electrometer for pulsed ion chamber. 4,827,224, 5-2-89, Cl. 330-294.000.
Kershner, Carl J.; and Burgess, Edward T., to Femto-Tech, Inc. Open grid pulsed ion chamber operating in the linear ion collection region. 4,859,854, 8-22-89, Cl. 250-374.000.
Kershner, Dennis L.: *See*—
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Kershner, Larry D.; Reineke, Charles E.; Sarkar, Nitis; and Wilson, Larry R., to Dow Chemical Company, The. Water-insoluble, crosslinked, sulfonated aromatic polyamide. 4,824,916, 4-25-89, Cl. 525-420.000.
Kershner, Larry D., to Dow Chemical Company, The. Method for reducing the available calories in a food composition. 4,849,242, 7-18-89, Cl. 426-601.000.
Kershner, Stephen W. Contact for strip line switch. 4,808,129, 2-28-89, Cl. 439-856.000.
Kerslake, James L. Can draining implement. 4,860,647, 8-29-89, Cl. 100-234.000.
Kerstan, Felix: *See*—
Becker-Ross, Helmut; Florek, Stefan; Kerstan, Felix; Moebius, Guenther; and Sanders, Horst, 4,856,898, Cl. 356-328.000.
Kerstein, Melvin, to Bell & Howell Co. Idler release pulley lever mechanism for document transport. 4,861,018, 8-29-89, Cl. 271-274.000.
Kersten, Jean; and Lecomte, Leon, to Baxter International Inc. Polyolefin film for steam sterilizable flexible containers. 4,828,892, 5-9-89, Cl. 428-35.200.
Kersten, Lars: *See*—
Muschelknautz, Edgar; Becker, Ernst; Bartsch, Adalbert; Kersten, Lars; Gospos, Georg; and Berndt, Gerhard, 4,871,147, Cl. 266-182.000.
Kersten, Mark A.: *See*—
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Kersten, Peter: *See*—
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Kersten, Ralf: *See*—
Bauch, Hartmut; Krause, Peter; Jost, Ulrike; Kersten, Ralf; Paquet, Volker; and Siefert, Wolfgang, 4,859,222, Cl. 65-3.120.
Siefert, Wolfgang; and Kersten, Ralf, 4,851,025, Cl. 65-31.000.
Kersten, Reinhard; Kuhlmorgen, Karl J.; and Kuhl, Egbert, to U.S. Philips Corporation. Method of controlling the supply of power to electrical loads with a minimum of switching surges. 4,871,96[illegible], 10-3-89, Cl. 323-267.000.
Kersten, Reinhard: *See*—
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Kersting, R. James, to Rampart Packaging Inc. Retortable container with exterior modified polystyrene cap layer. 4,798,750, 1-17-89, Cl. 428-36.700.
Kersting, R. James, to Rampart Packaging Inc. Method of blow molding on thermoforming a plastic hardskin/softcore multilayer sheet material. 4,810,457, 3-7-89, Cl. 264-544.000.
Kertesz, Claude; Koehly, Gerard; Josso, Frank; and Bernard, Andre, to Commissariat a l'Energie Atomique. Block for containing and storing radioactive waste and process for producing such a block. 4,839,1[illegible], 6-13-89, Cl. 252-628.000.
Kertesz, Ferenc: *See*—
Anthonsen, Reiner; Kertesz, Ferenc; and Sack, Wieland, 4,84[illegible], Cl. 162-135.000.
Kertesz nee Szabo, Marianna: *See*—
Bohus, Peter; Dibari, Ferenc; Kertesz nee Szabo, Marianna; Ker[illegible]nya, Istvan; Buria, Peter; Szulagyi, Janos; Meszaros, Jen[illegible]
Eifert, Gyula; Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos, Laszlo, 4,806,151, Cl. 71-111.000.
Kerth, Donald A.: *See*—
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Kerth, Juergen: *See*—
Zolk, Ralf; Kerth, Juergen; and Hemmerich, Rainer, 4,857,613, Cl. 526-128.000.
Kertis, Robert A.; and Smith, Douglas D., to National Semiconductor Corporation. BiCMOS voltage reference generator. 4,820,967, 4-11-89, Cl. 323-314.000.
Kertis, Robert A.; Smith, Douglas D.; and Bowman, Terrance L., to National Semiconductor Corporation. Low-power bipolar-CMOS interface circuit. 4,855,624, 8-8-89, Cl. 307-475.000.
Kerttula, Reima, to Valmet Paper Machinery Inc. Drawing a web through a multi-cylinder drying section. 4,888,883, 12-26-89, Cl. 34-116.000.
Kertzman, Harvey Z. Sealing apparatus for automobile radiators. 4,825,937, 5-2-89, Cl. 165-13.000.
Kertzman, Jack, to Perma Pure Products, Inc. Connector construction for fluid drying tube. 4,808,201, 2-28-89, Cl. 55-158.000.
Kertzscher, Ernst. Torque tools. 4,811,638, 3-14-89, Cl. 81-177.200.
Kervagoret, Gilbert, to Bendix France. Clutch-disengaging hydraulic actuators preventing wheel slip. 4,809,50[illegible], 3-7-89, Cl. 60-566.000.
Kervagoret, Gilbert, to Bendix France. Pressure servo regulator. 4,819,695, 4-11-89, Cl. 137-625.650.
Kervagoret, Gilbert, to Bendix France. Controlled bypass and flow-control valve unit for hydraulic power steering system. 4,825,751, 5-2-89, Cl. 91-420.000.
Kervagoret, Gilbert, to Bendix France. Rotary hydraulic distributor for a servo mechanism. 4,844,118, 7-4-89, Cl. 137-625.210.
Kervagoret, Gilbert, to Bendix France. Hydraulic brake circuit for motor vehicle, having a dual circuit in the form of a cross and a wheel anti-lock device. 4,852,952, 8-1-89, Cl. 303-110.000.
Kervagoret, Gilbert: *See*—
De La Broise, Marc; Tanguy, Christian; and Kervagoret, Gilbert, 4,886,321, Cl. 303-92.000.
Kervistin, Robert, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". System for adjusting radial clearance between rotor and stator elements. 4,849,895, 7-18-89, Cl. 364-431.020.
Kerwin, Gregory J.: *See*—
Christensen, Thomas C.; Coker, Jonathan D.; Cunningham, Earl A.; Jaworski, Richard C.; Kerwin, Gregory J.; Palmer, Dean C.; and Roepke, Jeffrey R., 4,821,125, Cl. 360-31.000.
Kerwin, Michael A., to Mackin, F. Gerald, a part interest. Adaptor to convert a chain saw to a circular saw. 4,850,109, 7-25-89, Cl. 30-122.000.
Kerwin, Michael J., to Sherwood Medical Company. Medical suction device with air vent and fixed restrictor. 4,813,926, 3-21-89, Cl. 604-118.000.
Kerwin, Robert D.: *See*—
Miller, Thomas W.; and Kerwin, Robert D., 4,821,037, Cl. 342-383.000.
Kerzhentsev, Mikhail A.: *See*—
Ismagilov, Zinfer R.; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.
Kerzich, Anthony A.; and McClure, Douglas M., to Cadillac Rubber & Plastics, Inc. Tubing angle bend assembly clip. 4,889,168, 12-26-89, Cl. 138-10[illegible].000.
Kerzner, Mark G., to Halliburton Logging Services Inc. Dipmeter processing technique. 4,853,855, 8-1-89, Cl. 364-422.000.
KES Industries Inc.: *See*—
Rumpf, Arthur H., 4,829,687, Cl. 40-606.000.
Kesel, Thomas A.; and Paszko, Robert M., to Ford Motor Company. Release linkage for door latch. 4,796,934, 1-10-89, Cl. 292-336.300.
Keshani, Khosrow. Multi-year calendar. 4,863,193, 9-5-89, Cl. 283-2.000.
Keshavan, Madapusi K.; Underwood, Lance D.; Kar, Naresh J.; Oldham, Thomas W.; Roth, Cary A.; and Armstrong, Brian J., to Smith International, Inc. Hard facing for milled tooth rock bits. 4,836,307, 6-6-89, Cl. 175-374.000.
Keshlear, William M.: *See*—
Moyer, William C.; Cruess, Michael W.; Keshlear, William M.; and Zolnerowsky, John, 4,800,489, Cl. 364-200.000.
Kesicki, Edward A.: *See*—
Stolowitz, Mark L.; Dixit, Vyas M.; and Kesicki, Edward A., 4,861,726, Cl. 436-89.000.
Keskey, William H.; and Schuetz, James E., to Dow Chemical Company, The. Solid state thermosensitive polymer compositions. 4,816,518, 3-28-89, Cl. 525-204.000.
Keskey, William H.; and Meath, Kenneth R., to Dow Chemical Company, The. Latexes as binders for cast ceiling tiles. 4,861,822, 8-29-89, Cl. 524-559.000.
Keskey, William H.: *See*—
Beyersdorf, Robert S.; and Keskey, William H., 4,863,979, Cl. 524-14.000.
Kesler, Gregory J.: *See*—
Schnell, Kenneth R.; and Kesler, Gregory J., 4,874,905, Cl. 174-65.00R.
Kesler, John K.; McCown, Robert J.; and Shia, John J., to ENSCO Inc. Apparatus and method for the field measurement of bearing lubricant and seal integrity testing. 4,875,366, 10-24-89, Cl. 73-118.100.
Kesler, Vibert L.: *See*—
Ferre, F. Budd; Sims, Rowell; Bowen, Wesley G.; and Kesler, Vibert L., 4,880,026, Cl. 137-234.600.
Kesling, Christopher K., to TP Orthodontics, Inc. Combination edgewise bracket. 4,842,512, 6-27-89, Cl. 433-8.000.
Kesling, Haven S., Jr.; Cannarsa, Michael J.; and Sun, Hsiang-Ning, to Arco Chemical Technology, Inc. Melt processable aliphatic polycarbonate terpolymers. 4,851,507, 7-25-89, Cl. 528-405.000.
Kesling, Haven S., Jr.: *See*—
Cannarsa, Michael J.; Kesling, Haven S., Jr.; Hostetler, Donald E.; Cooper, Terence A.; and Sun, Hsiang-Ning, 4,833,036, Cl. 428-412.000.
Hostetler, Donald E.; Cannarsa, Michael J.; Kesling, Haven S., Jr.; and Sun, Hsiang-Ning, 4,853,462, Cl. 528-494.000.
Shawl, Edward T.; and Kesling, Haven S., Jr., 4,871,871, Cl. 560-344.000.
Shawl, Edward T.; and Kesling, Haven S., Jr., 4,873,364, Cl. 560-344.000.
Shawl, Edward T.; Kesling, Haven S., Jr.; and Liotta, Frank J., Jr., 4,883,908, Cl. 560-344.000.
Kesling, Peter C., to TP Orthodontics, Inc. Edgewise bracket. 4,799,882, 1-24-89, Cl. 433-8.000.
Kesling, Peter C., to TP Orthodontics, Inc. Uprighting spring. 4,842,514, 6-27-89, Cl. 433-21.000.
Kesling, Peter C., to TP Orthodontics, Inc. Edgewise bracket with Sved shaped slot and control means. 4,859,179, 8-22-89, Cl. 433-8.000.
Kesling, Peter C., to TP Orthodontics, Inc. Bracket for permitting tipping and limiting uprighting. 4,877,398, 10-31-89, Cl. 433-8.000.
Kesner, Leo: *See*—
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Kess, Helmut, to Siemens Aktiengesellschaft. PIN diode switch. 4,883,984, 11-28-89, Cl. 307-256.000.
Kess, Helmut: *See*—
Meissner, Ralph; and Kess, Helmut, 4,801,885, Cl. 324-318.000.
Kessel, Carl R.; and Bany, Stephen W., to Minnesota Mining and Manufacturing Company. Silicone release compositions. 4,822,687, 4-18-89, Cl. 428-447.000.
Kessel, David, to Wayne State University. Hematoporphyrin derivative and method of preparation and purification. 4,861,876, 8-29-89, Cl. 540-145.000.
Kessel, Donald E. Cage for marking the bottoms of doors preparatory to cutting the same. 4,794,700, 1-3-89, Cl. 33-194.000.
Kessel, Gerd: *See*—
Gerum, Eduard; Hefter, Erik; Kessel, Gerd; and Weissflog, Manfred, 4,869,557, Cl. 303-3.000.
Kessel, Rudi: *See*—
Krejci, Heinrich; and Kessel, Rudi, 4,872,897, Cl. 65-128.000.
Kesselman, David A. Magnetic lock. 4,815,304, 3-28-89, Cl. 70-34.000.
Kesselman, David A. Tamper deterrent assembly. 4,883,295, 11-28-89, Cl. 292-307.00R.
Kesselman, David A.: *See*—
Bremer, Paul W.; and Kesselman, David A., 4,838,264, Cl. 128-303.00B.
Kesselman, Morris; Purkaystha, Abdur R.; and Cahill, James, to Rorer Pharmaceutical Corporation. Stabilization of multivitamin/trace elements formulations. 4,804,535, 2-14-89, Cl. 424-141.000.
Kessels, Hendricus W. H. M.: *See*—
Notermans, Ronald M. W.; Verhelst, Paulus W. E.; Lapoutre, Charles; and Kessels, Hendricus W. H. M., 4,843,571, Cl. 364-519.000.
Kessels, Henricus M. M.; and Velzel, Christiaan H. F., to U.S. Philips Corporation. Optical record carrier scanning apparatus with scanning beam focus error detection. 4,800,547, 1-24-89, Cl. 369-45.000.
Kessels, Henricus M. M., to U.S. Philips Corporation. Arrangement for optically measuring the profile of a radiation reflecting surface. 4,808,003, 2-28-89, Cl. 356-376.000.
Kessels, Henricus M. M.: *See*—
Velzel, Christiaan H. F.; and Kessels, Henricus M. M., 4,850,67[illegible], Cl. 350-162.170.
Kessi, Erich, to Sprecher & Schuh AG. High voltage measurement transformer for suspension from a high voltage switching apparatus. 4,808,910, 2-28-89, Cl. 323-358.000.
Kessie, Robert W., to United States of America, Energy. Electrolytic cell with reference electrode. 4,888,102, 12-19-89, Cl. 204-231.000.
Kessler, Christoph: *See*—
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Grosskopf, Rudiger; and Kessler, Christoph, 4,863,858, Cl. 435-91.000.
Kessler, David: *See*—
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Kurtz, Andrew F.; Whiting, Bruce R.; Boutet, John C.; Milch, James R.; Gasper, John; and Kessler, David, 4,868,383, Cl. 250-228.000.
Kessler, Emerich. Protective cover for swimming pool pump and filter assemblies. 4,811,767, 3-14-89, Cl. 150-154.000.
Kessler, Galvin W., to Halliburton Logging Services, Inc. Motor driven spinner flow meter. 4,827,765, 5-9-89, Cl. 73-155.000.
Kessler, Gerald. Silent tambour slats. 4,846,247, 7-11-89, Cl. 160-235.000.
Kessler, Gerald. Low friction plastic weatherstrip. 4,860,495, 8-29-89, Cl. 49-498.000.
Kessler, Hans: *See*—
Schwarz, Wolfgang; Herkert, Bernhard; and Kessler, Hans, 4,826,707, Cl. 427-177.000.

Schwarz, Wolfgang; Herkert, Bernhard; and Kessler, Hans, 4,844,009, Cl. 118-718.000.

Kessler, Harold D., to Haynes International, Inc. Air-annealing method for the production of seamless titanium alloy tubing. 4,802,930, 2-7-89, Cl. 148-12.70B.

Kessler, Hartmut, to Siemens Aktiengesellschaft. Electrical capacitors having low capacitance tolerances and method for the manufacture thereof. 4,841,411, 6-20-89, Cl. 361-323.000.

Kessler, Heinrich, to Siemens Aktiengesellschaft. Integrated circuit configuration and method for monitoring a co-integrated oscillator. 4,816,776, 3-28-89, Cl. 331-49.000.

Kessler, Henry J.: *See—*

Horansky, John; Schult, John H., Jr.; and Kessler, Henry J., 4,823,237, Cl. 362-64.000.

Kessler, Jurgen: *See—*

Wildemann, Willi; Morgen, Helmut; Fuhrmann, Castor; Siemann, Martin; Kessler, Jurgen; and Freitag, Herbert, 4,867,317, Cl. 267-64.120.

Kessler, Klaus: *See—*

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Kessler, Louis G.: *See—*

McClelland, Michael; and Kessler, Louis G., 4,808,525, Cl. 435-91.000.

Kessler, Manfred; and Hoper, Jens. Arrangement for stabilizing a gas-reference electrode. 4,808,292, 2-28-89, Cl. 204-403.000.

Kessler, Milton. Racket game for beach and kit therefor. 4,844,478, 7-4-89, Cl. 273-411.000.

Kessler, Milton: *See—*

Kessler, Ronald N.; Ullman, Myron; and Kessler, Milton, 4,796,399, Cl. 52-177.000.

Ullman, Myron E.; and Kessler, Milton, 4,822,326, Cl. 493-77.000.

Kessler, Newlin W.; and Willis, Ray D., to Tuboscope Inc. Coupling assembly for tubular articles 4,856,828, 8-15-89, Cl. 285-334.100.

Kessler, Rod K.: *See—*

Rumney, Roger; and Kessler, Rod K., 4,813,597, Cl. 239-2.200.

Kessler, Ronald M. Linerless plastic closures. 4,850,497, 7-25-89, Cl. 215-329.000.

Kessler, Ronald N.; Ullman, Myron; and Kessler, Milton, to Boardman Molded Products, Inc. Combination walk-off and fatigue mat. 4,796,399, 1-10-89, Cl. 52-177.000.

Kessler, Sebastian W., Jr., to Varian Associates, Inc. Method of diffusion bonding and densifying material. 4,851,057, 7-25-89, Cl. 148-131.000.

Kessler, Sebastian W., Jr., to Varian Associates, Inc. Method of diffusion bonding and densifying material of a heater element for an electron beam tube. 4,869,420, 9-26-89, Cl. 228-115.000.

Kessoku, Hirobumi: *See—*

Watanabe, Junji; and Kessoku, Hirobumi, 4,803,516, Cl. 355-4.000.

Kestel, Frederick J. Rotary hoe tool. 4,871,031, 10-3-89, Cl 172-544.000.

Kesten, Arthur S.; and Khalifa, H. Ezzat, to United Technologies Corporation. Liquid fueled hydrogen heater. 4,850,859, 7-25-89, Cl. 431-328.000.

Kesten, Martin: *See—*

Diehl, Werner K.; and Kesten, Martin, 4,846,900, Cl. 148-125.000.

Kester, Jeffrey A.; Moos, Walter H.; and Thomas, Anthony J., to Warner-Lambert Company. Method of treating senile cognitive decline with N'-substituted aminopyridine adrenergic agents. 4,855,308, 8-8-89, Cl. 514-332.000.

Kester, John J.: *See—*

Volkmann, Curtis L.; Kester, John J.; and Stevens, Gregory A., 4,861,407, Cl. 156-272.800.

Kester, Wayne A.: *See—*

Sabol, John S., Jr.; and Kester, Wayne A., 4,842,762, Cl. 252-109.000.

Kesterson, James W.: *See—*

Adjei, Akwete L.; Johnson, Edwin S.; and Kesterson, James W., 4,851,211, Cl. 424-40.000.

Kesti, Michael R.: *See—*

Johnson, Brion; Kesti, Michael R.; and Reynolds, Keith Y., 4,890,163, Cl. 358-181.000.

Kesting, Lorenz. Prefabricated part for constructing a building air-conditioned via its walls. 4,856,238, 8-15-89, Cl. 52-90.000.

Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handermann, Alan C.; Cruse, Clint A.; and Malon, Raymond F., to Permea, Inc. Process for forming asymmetric gas separation membranes having graded density skins. 4,871,494, 10-3-89, Cl. 264-41.000

Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handerman, Alan C.; Cruse, Clint A.; and Malon, Raymond F., to Permea, Inc. Asymmetric gas separation membranes having graded density skins. 4,880,441, 11-14-89, Cl. 55-16.000.

Kestner, Mark O., to Chemicoal, Inc. Method for suppressing dust from bulk materials. 4,836,945, 6-6-89, Cl. 252-88.000.

Keswick, Paul: *See—*

Frederick, Bruce; and Keswick, Paul, 4,888,739, Cl. 365-221.000

Keswick, Paul D.: *See—*

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Banerjee, Pradip; and Keswick, Paul D., 4,829,471, Cl. 364-900.000.

Banerjee, Pradip; and Keswick, Paul D., 4,837,746, Cl. 365-189.050.

Ketcham, Kenneth E.; Barry, John; and Hofius, David V., to Ketcham, Kenneth E.; and Barry, John. Sports protection garment. 4,870,706, 10-3-89, Cl. 2-2.000.

Ketcham, Mark G.; and Walker, Donald C., to Huron Products Corporation. Swivelable quick connector. 4,869,534, 9-26-89, Cl. 285-24.000.

Ketcham, Thomas D., to Corning Incorporated. Spherical particles having narrow size distribution made by ultrasonic vibration. 4,871,489, 10-3-89, Cl. 264-9.000.

Ketcham, Thomas D.: *See—*

Chyung, Kenneth; Gadkaree, Kishor P.; Ketcham, Thomas D.; and Wusirika, Raja R., 4,804,643, Cl. 501-104.000.

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Ketelaar, Edward, Jr.: *See—*

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Ketelhut, William J.; and Konrad, Charles E., to GE Fanuc Automation North America, Inc. Distributed input/output system. 4,870,564, 9-26-89, Cl. 364-200.000.

Ketema, Inc.: *See—*

Almagor, David; and Peters, John M., 4,862,427, Cl. 367-101.000.

Ketenhofen, Timothy J.: *See—*

Ungpiyakul, Tanakon; Morgan, Arch D.; Thomas Douglas C.; Ketenhofen, Timothy J.; Marver, Douglas J.; Couture-Dorschner, Laurie; and Pomplun, William S., 4,837,715, Cl 364-552.000.

Keter Plastic, Ltd.: *See—*

Shisgal, Ben Z.; and Ermoza, Ehud, 4,844,189, Cl. 177-211.000.

Ketkar, Anil B.: *See—*

Chen, Nai Y.; Huh, Billy K.; Ketkar, Anil B.; and Venkat, Chaya, 4,871,444, Cl. 208-46.000.

Ketkar, Suhas N.: *See—*

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Ketner, David S.: *See—*

Thompson, Kenneth J.; Foster, Wayne G.; Rosenquist, Joel C.; and Ketner, David S., 4,822,448, Cl. 156-538.000.

Ketner, Eugene N. Pressure compensating flow control device 4,887,637, 12-19-89, Cl. 137-504.000.

Keto, Gary A.: *See—*

Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., 4,885,739, Cl 370-58.100.

Ketonen, Lauri K. Jib-mounted suspension device for a timber harvester. 4,881,582, 11-21-89, Cl. 144-3.00D.

Ketonen, Lauri K. Feeder apparatus for timber harvesters. 4,883,159, 11-28-89, Cl. 198-626.000.

Kett, David J., to Whirlpool Corporation. Exhaust duct cooling system for built-in gas oven. 4,865,010, 9-12-89, Cl. 126-21.00R.

Kettell, John; and Whitmarsh, David L., to GKN Sheepbridge Limited. Friction element for clutch. 4,846,329, 7-11-89, Cl. 192-107.00M.

Kettenring, Gunther, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Rotary transmission device for a plurality of cables between two restrictedly rotatable structures. 4,874,138, 10-17-89, Cl. 242-54.00R.

Ketterer, Scott R.: *See—*

Boudreau, Louis H.; and Ketterer, Scott R., 4,878,665, Cl. 273-34.00R.

Ketterl, Georg: *See—*

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Ketterson, Andrew A.: *See—*

Morkoc, Hadis; Klem, John; Masselink, William T.; Henderson, Timothy S.; and Ketterson, Andrew A., 4,827,320, Cl 357-22.000.

Ketterson, John B.; Bogacz, Slawomir A.; and Wong, George K., to Northwestern University. Charged particle high frequency laser 4,817,124, 3-28-89, Cl. 378-119.000.

Ketterson, John B.: *See—*

Murduck, James M.; Lepetre, Yves J.; Schuller, Ivan K.; and Ketterson, John B., 4,844,989, Cl. 428-698.000.

Kettlety, Richard A.; and Peters, James P., Jr., to Westvaco Corporation. Apparatus for spray shower maintenance. 4,867,870, 9-19-89, Cl 210-139.000.

Kettner, Andreas: *See—*

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Clauss, Heinz; Drexel, Peter; Gosdowski, Gerhard; Kettner, Andreas; Leisner, Ernst; and Schwarze, Udo, 4,831,290, Cl 310-12.000.

Kettner, Konrad K., to Cooper Industries, Inc. Reversible twin-chambered compressed-air motor. 4,822,264, 4-18-89, Cl. 418-150.000.

Kettner, Roland; Liermann, Norbert; and Lubcke, Torsten, to Mobil Oil Corporation. Process for the reduction of the sulfur content in a gaseous stream. 4,857,297, 8-15-89, Cl. 423-576.800.

Keul, Helmut: *See—*

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Keunen, Martinus H.; and de Bakker, Pieter J. A., to Ultra-Centrifuge Nederland N.V. Centrifuge for separating liquids. 4,824,429, 4-25-89, Cl. 494-16.000.

Keung, Jay K.: *See—*

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Keup, Petra: *See—*

Soldanski, Heinz; Holdt, Bernd-Dieter; Keup, Petra; and Meier-Krug, Ursula, 4,834,900, Cl. 252-88.000.

Keur, Michael R.: *See—*

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Keur, Robert I.: *See—*

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Keuro Maschinenbau GmbH & Co., KG: *See—*

Stolzer, Armin, 4,823,662, Cl. 83-150.000.

Stolzer, Armin, 4,881,634, Cl. 198-372.000.

Keutenedjian, Ubirajara. Infra-red and ultra-violet air purifying apparatus. 4,806,768, 2-21-89, Cl. 250-436.000.

Keuter, Dale H., to Eastern Iowa Pork. Wire mesh flooring. 4,796,563, 1-10-89, Cl. 119-28.000.

Keuth, Rainer: *See—*

Greb, Manfred; and Keuth, Rainer, 4,829,640, Cl. 28-255.000.

Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo, to Richter Gedeon Vegyeszeti Gyar Rt. 2-Halogenated-8- and 1,8-substituted ergolenes. 4,859,682, 8-22-89, Cl. 514-288.000.

Keve, Tibor: *See—*

Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Bogsch, Erik; Kassai nee Zieger, Anna; Trischler, Ferenc; Szepesi, Gabor; and Gazdag, Maria, 4,816,587, Cl. 544-346.000.

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Kewaunee Scientific Corporation: *See—*

Poblete, Rudolph G.; Rindoks, Kurt; and Frederick, James R., 4,856,420, Cl. 98-115.300.

Kewin, Daniel. Tubular core assemblies for rolls of paper or other sheet material. 4,874,139, 10-17-89, Cl. 242-68.600.

Kewin, Daniel D. Packaging for paper rolls (uniform wrap system). 4,858,762, 8-22-89, Cl. 206-414.000.

Kewin, Daniel D., to Sonoco Products Company. Non-returnable newsprint carrier system. 4,875,636, 10-24-89, Cl. 242-68.600.

Kewpie Kabushiki Kaisha: *See—*

Doi, Eiji, 4,863,008, Cl. 198-433.000.

Kobayashi, Hideaki, 4,849,137, Cl. 260-403.000.

Shigematsu, Yasuhiko; and Hasegawa, Mineo, 4,847,015, Cl. 260-403.000.

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Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., 4,868,863, Cl. 379-98.000.

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Key Concepts, Inc.: *See—*

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Key Filters, Inc.: *See—*

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Key Innovations Limited: *See—*

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Key, James C.: *See—*

Honeycutt, LeRoy, III; Key, James C.; and Moody, Herbert, III, 4,828,012, Cl. 164-479.000.

Key, John R. Toothbrush. 4,800,608, 1-31-89, Cl. 15-167.100.

Key, Kenneth W. Pipe joint gland reinforcing structure. 4,874,192, 10-17-89, Cl. 285-337.000.

Key Manufacturing Group, Inc.: *See—*

Toth, John A., 4,813,835, Cl. 411-429.000.

Toth, John A., 4,850,776, Cl. 411-429.000.

Key, Peter B.: *See—*

Kelly, Francis P.; Gibbens, Richard J.; Key, Peter B.; Turton, Paul A.; Stacey, Roger R.; and Whitehead, Martin J., 4,862,496, Cl. 379-221.000.

Key Pharmaceuticals, Inc.: *See—*

Bodor, Nicholas; and Loftsson, Thorsteinn, 4,885,174, Cl. 424-449.000.

Hsiao, Charles; and Chou, Chi T., 4,863,743, Cl. 424-476.000.

Loftsson, Thorsteinn; and Bodor, Nicholas, 4,859,707, Cl. 514-625.000.

KEY-TECH, Inc.: *See—*

Durand, David, 4,863,757, Cl. 427-47.000.

Key Technology, Inc.: *See—*

Ferguson, W. Sheldon; Paulson, Howard E.; and Ruthven, Robert E., 4,830,180, Cl. 198-836.000.

Key, Ted G. Method and apparatus for conveying carbon black which inhibits the build-up of carbon black fines on conveying surfaces. 4,834,647, 5-30-89, Cl. 432-11.000.

Key, Ted G. Method and apparatus for the receiving of carbon black pellets for weighing prior to injection into a mixer which inhibits the accumulation of carbon black fines on internal surfaces. 4,889,219, 12-26-89, Cl. 193-25.00R.

Key, William D.: *See—*

Forkert, Maurice J.; and Key, William D., 4,831,866, Cl. 73-3.000.

Keybold Aktiengesellschaft: *See—*

Limp, Hans, deceased, 4,847,564, Cl. 324-460.000.

Keycom Electronic Publishing: *See—*

Winter, Peter M.; Ray, Thomas R.; and Burkhardt, Mary E., 4,814,972, Cl. 364-200.000.

Keyel, Richard E.: *See—*

Hildebrandt, Donald W.; and Keyel, Richard E., 4,851,218, Cl. 424-84.000.

Keyes, Brian R.: *See—*

Chadwick, Kirk M.; Halm, Roland L.; and Keyes, Brian R., 4,888,435, Cl. 556-469.000.

Keyes, Denis E.; and Aronoff, Marvin S., to E. R. Squibb & Sons, Inc. Means for disposal of articles by flushing and ostomy pouches particularly suited for such disposal. 4,830,187, 5-16-89, Cl. 206-524.700.

Keyes, Marion A., IV; and Thompson, William L., to Babcock & Wilcox Company, The. Holographic operator display for control systems. 4,834,473, 5-30-89, Cl. 350-3.600.

Keyes, Marion A., IV: *See—*

Abromaitis, Andre T.; and Keyes, Marion A., IV, 4,803,052, Cl. 422-91.000.

Dziubakowski, Donald J.; Keyes, Marion A., IV; and Shaffer, Jeremiah J., 4,861,233, Cl. 417-201.000.

Keyes Offshore, Inc.: *See—*

Reneau, Raymond P., 4,837,390, Cl. 435-1.000.

Keyes, Ventonia L.: *See—*

Wallace, Terry A.; Keyes, Ventonia L.; and Hopkins, Harry C., 4,846,257, Cl. 165-39.000.

Keymed (Medical and Industrial Equipment Limited): *See—*

Oxford, Colin G.; Parker, George C.; and Gray, Roger L., 4,822,154, Cl. 350-572.000.

Keys, John B.; and Rieker, David A., to NCR Corporation. Dynamic RAM refresh circuit with DMA access. 4,884,234, 11-28-89, Cl. 364-900.000.

Keys, John B.: *See—*

Rohulich, John J.; and Keys, John B., 4,797,932, Cl. 381-104.000.

Keys, Kenneth B. Air inlet and automatic pressure adjustment device for a tire. 4,869,306, 9-26-89, Cl. 152-427.000.

Keys, Kenneth B. Air inlet and automatic pressure adjustment device for a tire. 4,883,107, 11-28-89, Cl. 152-431.000.

Keys, William C.: *See—*

Sue, Horace O.; Guttman, Richard T.; Pendley, David M.; and Keys, William C., 4,812,674, Cl. 307-116.000.

Keyser, Dean, to Harris Corporation. Automatic retransmission with pilot tone. 4,829,588, 5-9-89, Cl. 455-21.000.

Keyser, Frank T., to Liquid Container Corporation. Apparatus for in-mold labeling of a blow molded article. 4,834,641, 5-30-89, Cl. 425-503.000.

Keyser, Joachim: *See—*

Zapka, Werner; Kempf, Jurgen; Keyser, Joachim; and Asch, Karl, 4,855,197, Cl. 430-5.000.

Keyser, Stephen R.; and Vadney, David, to Mobil Oil Corporation. Method and apparatus for severing three dimensional thermoplastic articles. 4,844,852, 7-4-89, Cl. 264-153.000.

Keystone Camera Corporation: *See—*

Zawodny, Arthur; and Fridman, Vladimir, 4,839,678, Cl. 354-217.000.

Keystone Foods Corporation: *See—*

Fiske, Roger L.; King, John J.; and Adams, David G., 4,827,692, Cl. 53-244.000.

Keystone International Inc.: *See—*

Bickford, Cleo M.; Powell, Walter W.; and Sample, Larry A., 4,848,397, Cl. 137-509.000.

Bickford, Cleo M.; Powell, Walter W.; and Sample, Larry A., 4,865,074, Cl. 137-489.000.

Bickford, Cleo M.; Powell, Walter W.; and Sample, Larry A., 4,870,989, Cl. 137-489.000.

Lee, Richard B., 4,862,910, Cl. 137-270.000.

Scobie, William B., 4,817,213, Cl. 29-527.600.

Scobie, William B.; and Yohner, Paul A., 4,828,221, Cl. 251-308.000.

Scobie, William B.; and Kusmer, Daniel P., 4,846,212, Cl. 137-240.000.

Scobie, William B.; and Kusmer, Daniel P., 4,846,225, Cl. 137-862.000.

Scobie, William B.; and Calvin, Douglas G., 4,846,441, Cl. 251-307.000.

Keystone Retaining Wall Systems, Inc.: *See—*

Forsberg, Paul J., 4,802,320, Cl. 52-585.000.

Forsberg, Paul J., 4,825,619, Cl. 52-562.000.

KeyTek Instrument Corp.: *See—*

Richman, Peter L., 4,843,515, Cl. 361-58.000.

Zugravu, George, 4,803,594, Cl. 361-230.000.

Keyworth, Donald A., to Tenneco Oil Company. Method for removing sulfur compounds from C_6 and lower alkanes. 4,816,139, 3-28-89, Cl. 208-190.000.

Kezar, Hollis S., III: *See—*

De Lucca, George V.; Kezar, Hollis S., III; and O'Brien, John P., 4,833,238, Cl. 536-20.000.

De Lucca, George V.; Kezar, Hollis S., III; and O'Brien, John P., 4,857,403, Cl. 428-364.000.

Kezerian, Charles: *See—*

Baker, Don R.; Brownell, Keith H.; and Kezerian, Charles, 4,797,416, Cl. 514-485.000.

Baker, Don R.; Brownell, Keith H.; and Kezerian, Charles, 4,880,831, Cl. 514-485.000.

Kezes, C. Albert; Schmidt, F. Walter; and Buehler, Amsey, to NCS Diagnostics, Inc. Swab retaining vial cap and method of use. 4,803,998, 2-14-89, Cl. 128-759.000.

KFA Kernforschungsanlage Juelich GmbH: *See—*

Overath, Horst, 4,834,872, Cl. 210-151.000.

KFA Kernforschungsanlage Julich GmbH: *See—*

Schelten, Jakob; and Kurz, Ulrich, 4,866,279, Cl. 250-396.00R.

KGT Giessereitechnik GmbH: *See—*

Bardenheuer, Peter, 4,842,256, Cl. 266-197.000.

Khachatoorian, Armineh: *See—*

Joyce, James J.; and Khachatoorian, Armineh, 4,863,867, Cl. 435-287.000.

- Khairulin, Sergei R.: *See—*
  - Ismagilov, Zinfer R; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.
- Khalafalla, Aida S., to Medtronic, Inc. Cardiac assist device. 4,813,952, 3-21-89, Cl. 623-3.000.
- Khaled, M. Abu; Benington, Frederick; and Morin, Richard D., to Research Corporation. Pteridine derivatives and method of treating leukemia employing same. 4,820,706, 4-11-89, Cl. 514-249.000.
- Khalek, Salim, to Satamatic. Control process and device for liquid crystal display. 4,811,005, 3-7-89, Cl. 340-715.000.
- Khalid, Syed J.: *See—*
  - Roberts, William C., Jr.; and Khalid, Syed J., 4,809,500, Cl. 60-235.000.
- Khalifa, H. Ezzat: *See—*
  - Kesten, Arthur S.; and Khalifa, H. Ezzat, 4,850,859, Cl. 431-328.000.
- Khalifa, Mohamed A., to Schlumberger Industries, Inc. Flow rectifier for vortex flowmeter. 4,841,781, 6-27-89, Cl. 73-861.220.
- Khalifa, Mohamed A., to Schlumberger Industries, Inc. Vortex flowmeter transducer. 4,864,868, 9-12-89, Cl. 73-861.240.
- Khalifa, Ramzi A.: *See—*
  - Handley, John M.; and Khalifa, Ramzi A., 4,858,409, Cl. 52-489.000.
- Khalighi, Bahram; and Rask, Rodney B., to General Motors Corporation. Variable swirl inlet port. 4,827,883, 5-9-89, Cl. 123-308.000.
- Khalil, Carlos N.; and Franco, Zadson de, to Petroleo Brasileiro S.A. - Petrobras. Continuous process of hydraulic fracturing with foam. 4,846,277, 7-11-89, Cl. 166-280.000.
- Khalil, Gamal-Eddin; Gouterman, Martin P.; and Green, Edmond, to Abbott Laboratories. Method for measuring oxygen concentration. 4,810,655, 3-7-89, Cl. 436-138.000.
- Khambay, Bhupinder P. S.: *See—*
  - Elliott, Michael; Janes, Norman F.; and Khambay, Bhupinder P. S., 4,874,781, Cl. 514-463.000.
- Khan, Abdus S.: *See—*
  - Gostic, William J.; Khan, Abdus S.; and Murphy, Kenneth S., 4,878,965, Cl. 148-404.000.
- Khan, Amanullah, to Wadley Technologies, Inc. Monoclonal antibodies to novel melanoma-associated antigens. 4,851,510, 7-25-89, Cl. 530-387.000.
- Khan, Asrar A.: *See—*
  - Adams, Mark J.; Crisman, Elton M., Jr.; and Khan, Asrar A., 4,795,906, Cl. 250-341.000.
- Khan, Aurangzeb K., to Tandem Computers Incorporated. TTL-to-ECL input translator/driver circuit. 4,806,800, 2-21-89, Cl. 307-475.000.
- Khan, Aurangzeb K., to Tandem Computers Incorporated. True TTL output translator-driver with true ECL tri-state control. 4,857,776, 8-15-89, Cl. 307-475.000.
- Khan, Karrar A.; and Lampard, John F., to Boots Company plc, The. Therapeutic compositions. 4,806,358, 2-21-89, Cl. 424-466.000.
- Khan, M. M. Taqui; and Bhardwaj, R. Chandra, to Council of Scientific & Industrial Research. Process for the photocatalytic decomposition of water into hydrogen and oxygen. 4,889,604, 12-26-89, Cl. 204-157.500.
- Khan, M. Rashid, to United States of America, Energy. Decaking of coal or oil shale during pyrolysis in the presence of iron oxides. 4,886,521, 12-12-89, Cl. 44-607.000.
- Khan, Mirza M. T.; Bhardwaj, Ramesh C.; and Bhardwaj, Chhaya, to Council of Scientific & Industrial Research. Process for the photocatalytic decomposition of water into hydrogen and oxygen. 4,802,963, 2-7-89, Cl. 204-157.500.
- Khan, Mohammad K.: *See—*
  - Kim, Sang U.; and Khan, Mohammad K., 4,859,938, Cl. 324-158.00D.
- Khan, Rashid N.: *See—*
  - Kent, David L.; and Khan, Rashid N., 4,869,110, Cl. 73-800.000.
- Khan, Riaz A.: *See—*
  - Rathbone, Elner B.; Mufti, Khizar S.; Khan, Riaz A.; Cheetham, Peter S. J.; Hacking, Andrew J.; and Dordick, Jonathan S., 4,826,962, Cl. 536-122.000.
- Khan, Sadath U.; and Phillips, Reginald, to Warner-Lambert Company. Sustained release formulations. 4,851,233, 7-25-89, Cl. 424-480.000.
- Khan, Sadath U.: *See—*
  - Phillips, Reginald; Bikkina, Krishnayya; and Khan, Sadath U., 4,816,264, Cl. 424-468.000.
- Khan, Sarbuland. Diaper with removable absorbent pad. 4,834,737, 5-30-89, Cl. 604-385.200.
- Khan, Tasadduq; Caron, Pierre; and Raffestin, Jean-Louis, to Office National d'Etudes et de Recherches Aerospatiales. Nickel-based monocrystalline superalloy, in particular for the blades of a turbomachine. 4,837,384, 6-6-89, Cl. 148-3.000.
- Khanarian, Garo; and Haas, David R., to Hoechst Celanese Corp. Frequency doubling polymeric waveguide. 4,865,406, 9-12-89, Cl. 350-96.120.
- Khanarian, Garo: *See—*
  - Gillberg-LaForce, Gunilla E.; and Khanarian, Garo, 4,828,758, Cl. 252-582.000.
  - Leslie, Thomas M.; and Khanarian, Garo, 4,869,847, Cl. 252-299.010.
- Khandogin, Vladimir I.: *See—*
  - Spiridonov, Jury A.; Khandogin, Vladimir I.; and Ivanov-Tsyganov, Anatoly I., 4,816,986, Cl. 363-132.000.
- Khandwala, Bhupendra J.; Young, Jorge A.; and Kalustian, Sarkis V., to Casi-Rusco, Inc. Card reader for security system. 4,816,658, 3-28-89, Cl. 235-382.000.
- Khanna, Dinesh: *See—*
  - Mueller, Werner H.; and Khanna, Dinesh, 4,822,868, Cl. 528-208.000.
- Khanna, Dinesh N.: *See—*
  - Mueller, Werner H.; Khanna, Dinesh N.; and Vora, Rohitkumar H., 4,803,147, Cl. 430-288.000.
  - Mueller, Werner H.; and Khanna, Dinesh N., 4,845,183, Cl. 528-185.000.
  - Mueller, Werner H.; and Khanna, Dinesh N., 4,866,155, Cl. 528-191.000.
  - Vora, Rohitkumar H.; Khanna, Dinesh N.; and Fontaine, Suzanne, 4,877,653, Cl. 427-385.500.
- Khanna, Pyare; and Pearlman, Fred, to Syntex (U.S.A.) Inc. Serum pretreatment in digoxin immunoassay. 4,798,804, 1-17-89, Cl. 436-94.000.
- Khanna, Pyare, to Syntex (U.S.A.) Inc. Amine stabilized aminoglycoside formulations. 4,816,391, 3-28-89, Cl. 435-7.000.
- Khanna, Pyare; and Schulkamp, Kirk, to Syntex (U.S.A.) Inc. Glucose-6-phosphate dehydrogenase conjugates useful in polyiodothyronine assays. 4,847,195, 7-11-89, Cl. 435-7.000.
- Khanna, Pyare: *See—*
  - Ullman, Edwin F.; Khanna, Pyare; and Peries, Rohan, 4,857,453, Cl. 435-7.000.
  - Weng, Litai; Calderhead, David; Khanna, Pyare; and Ullman, Edwin F., 4,879,215, Cl. 435-7.000.
- Khanna, Pyare L.; Chang, Chiu C.; and Ullman, Edwin F., to Syntex (U.S.A) Inc. Method for the determination of peroxidase using fluorogenic substrates. 4,857,455, 8-15-89, Cl. 435-7.000.
- Khanna, S. M.; Willemin, J. F.; and Dandliker, R., to Columbia University in the City of New York, The Trustees of. Heterodyne interferometer. 4,834,111, 5-30-89, Cl. 128-774.000.
- Khanna, Satish C., to Ciba-Geigy Corporation. Solid, stable dosage forms with an elastic film coating. 4,798,724, 1-17-89, Cl. 424-480.000.
- Khanna, Satish C.; and Ruttimann, Theresa, to Ciba-Geigy Corporation. Oral therapeutic system having systemic action. 4,857,336, 8-15-89, Cl. 424-473.000.
- Khanna, Satish K.: *See—*
  - Williams, Roger M.; Bankston, Clyde P.; Cole, Terry; Khanna, Satish K.; Jeffries-Nakamura, Barbara; and Wheeler, Bob L. 4,820,596, Cl. 429-50.000.
- Khanna, Yash P., to Allied-Signal Inc. Process for production of quasi-random copolymers from homopolymers. 4,861,838, 8-29-89, Cl. 525-432.000.
- Khanna, Yash P.; Bhattacharjee, Himangshu R.; Kumar, Rakesh; Williams, Jon I.; and Sibilia, John P., to Allied-Signal Inc. Method of blow molding polyamides. 4,876,127, 10-24-89, Cl. 428-35.700.
- Kharchenko, Alexandr K.: *See—*
  - Paton, Boris E.; Lebedev, Vladimir K.; Kuchuk-Yatsenko, Sergei I.; Sakharnov, Vasily A.; Kharchenko, Alexandr K.; and Unigovsky, Mikhail R., 4,885,450, Cl. 219-101.000.
- Khare, Ashok E., to National Forge Company. Roller caster shell steel 4,861,549, 8-29-89, Cl. 420-109.000.
- Khare, Ashok K., to National Forge Company. Process for producing large section, large mass forged sleeves from large diameter ingots of alloy 625 and from hot isostatically pressed preforms of alloy 625 powder. 4,818,301, 4-4-89, Cl. 148-11.50N.
- Khariton, Khaim: *See—*
  - Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,849,547, Cl. 568-639.000.
  - Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, 4,871,882, Cl. 568-639.000.
- Kharkovsky Aviatsionny Institut: *See—*
  - Bozhko, Valery P.; Yatsenko, Sergei V.; Strizhenko, Vitaly E.; Losev, Alexei V.; Pleshkov, Viktor I.; and Junash, Viktor M., 4,796,867, Cl. 266-51.000.
  - Bozhko, Valery P.; Losev, Alexei V.; Strizhenko, Vitaly; Pleshkov, Viktor I.; and Levityansky, Ivan A., 4,796,868, Cl. 266-51.000.
  - Bozhko, Valery P.; Losev, Alexei V.; Takoriants, Mateos P.; Pleshkov, Viktor I.; Strizhenko, Vitaly E.; Levityansky, Ivan A.; Filippov, Boris L.; and Kononenko, Tamara I., 4,802,654, Cl. 266-51.000.
- Kharkovsky Aviatsionny Institut Imeni N.E. Zhukovskogo: *See—*
  - Bozhko, Valery P.; Strizhenko, Vitaly E.; Kushnarenko, Sergei G.; Losev, Alexei V.; and Kononenko, Vadim G., deceased. 4,826,541, Cl. 148-9.00R.
- Khasat, Nitya P.; and Patnaik, Birendra K., to Hercules Incorporated. Use of a cationic polymerization initiator in the preparation of thermoset polymer. 4,835,230, 5-30-89, Cl. 526-221.000.
- Khasina, Eleonora I.: *See—*
  - Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.
- Khatri, Hiralal N.; Fleming, Michael P.; and Schloemer, George C., to Syntex Inc. Process for preparing (+)-2,3-dihydro-1H-pyrrolo[1,2-a]pyrrole-1,7-dicarboxylates. 4,835,288, 5-30-89, Cl. 548-453.000.
- Khatri, Hiralal N.: *See—*
  - Fleming, Michael P.; Khatri, Hiralal N.; and Schloemer, George C., 4,849,526, Cl. 548-453.000.
  - Fleming, Michael P.; Schloemer, George C.; and Khatri, Hiralal N., 4,874,871, Cl. 548-543.000.
  - Fleming, Michael P.; Khatri, Hiralal N.; and Schloemer, George C., 4,874,872, Cl. 548-531.000.

- Khatri, Lakho L.: *See—*
  - Yokoyama, Wallace H.; Fraser, Mark S.; and Khatri, Lakho L., 4,814,195, Cl. 426-633.000.
- Khattab, Mohamed A.: *See—*
  - Butcher, Ronald S.; and Khattab, Mohamed A., 4,802,420, Cl. 105-355.000.
- Khattak, Chandra P.; White, Vernon E.; Schmid, Frederick; and Wohlgemuth, John H., to Ghemini Technologies. Gallium arsenide crystal growth. 4,840,699, 6-20-89, Cl. -//.000.
- KHD Humboldt Wedag AG: *See—*
  - Schnabel, Hans G.; Unkelbach, Karl-Heinz; Marinescu, Marlene; and Marinescu, Nicolae, 4,834,871, Cl. 209-219.000.
- Khe, Nguyen C.; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, to Dainippon Ink and Chemicals, Inc. Infrared-sensitive electrophotoconductive element comprising an anthanthrone, a phthalocyanine and an oxadiazole compound in admixture. 4,868,079, 9-19-89, Cl. 430-72.000.
- Kheder, Joseph: *See—*
  - Drachnik, Kenneth J.; Kheder, Joseph; and Aspey, S. Alan, 4,855,024, Cl. 204-147.000.
- Khelghatian, Habet M.: *See—*
  - Arzoumanidis, Gregory G.; Karayannis, Nicholas M.; Khelghatian, Habet M.; Lee, Sam S.; and Johnson, Bryce V., 4,866,022, Cl. 502-120.000.
- Khilkevich, Vitaly A.: *See—*
  - Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasilnikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A., 4,817,120, Cl. 378-45.000.
- Khinchuk, Gregory. Impinging-jet fuel injection nozzle. 4,796,816, 1-10-89, Cl. 239-501.000.
- Khinchuk, Henry, to GTE Valenite Corporation. Apparatus for linear measurements. 4,881,324, 11-21-89, Cl. 33-555.100.
- Khinkis, Mark J.; Patel, Jitendra G.; and Sandstrom, William A., to Institute of Gas Technology. Two stage combustion. 4,854,249, 8-8-89, Cl. 110-342.000.
- Khinkis, Mark J., to Institute of Gas Technology. Vertical shaft melting furnace and method of melting. 4,877,449, 10-31-89, Cl. 75-20.00R.
- Khinkus, Alexandr S.: *See—*
  - Barab-Tarle, Matus E.; Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Soifer, Romen D.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,804,914, Cl. 324-226.000.
  - Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Barab-Tarle, Matus E.; Gamarnik, Iosif I.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,829,397, Cl. 361-149.000.
- Khlusov, Vladimir B.: *See—*
  - Bogdanov, Vasily S.; Netesin, Alexandr D.; Miroshnichenko, Ivan I.; Bogdanov, Nikolai S.; Khlusov, Vladimir B.; Platonov, Viktor S.; and Shevchenko, Ivan N., 4,867,322, Cl. 241-72.000.
- Khoe, Giok D., to U.S. Philips Corp. Monomode optical transmission fibre having a tapered end portion provided with a lens and method of manufacturing such a fibre. 4,824,195, 4-25-89, Cl. 350-96.180.
- Khoe, Giok D., to U.S. Philips Corp. Device for optically coupling a radiation source to an optical transmission fiber. 4,830,453, 5-16-89, Cl. 350-96.180.
- Khoi, Danny J., to Materiel at Auxiliaire de Signalisation et de Controle Pour L'Automation - Auxitrol. Apparatus for measuring the level of a liquid, in particular a flammable liquid. 4,821,570, 4-18-89, Cl. 73-309.000.
- Khoja, Mirza A.; and Wogoman, Frank W., to Miles, Inc. Reagent test strip reading instrument. 4,820,491, 4-11-89, Cl. 422-63.000.
- Khojasteh, Mahmoud: *See—*
  - Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, 4,849,501, Cl. 528-353.000.
- Kholmovsky, Alexandr S.: *See—*
  - Natalevich, Alexandr N.; Bondarenko, Alexei G.; Skoibeda, Anatoly T.; Trofimov, Leonid G.; Yatsuk, Alexandr A.; Kholmovsky, Alexandr S.; and Nikonchuk, Andrei N., 4,867,661, Cl. 425-34.200.
- Khono, Tool: *See—*
  - Sato, Kimiaki; and Khono, Tool, 4,839,868, Cl. 365-230.060.
- Khonsari, Ali M.; Chen, Jamin; Suciu, George D.; Fisher, William B.; and Crescentini, Lamberto, to Luminus Company, The; and Allied Corporation, part interest to each. Production of high purity phenol by steam distillation. 4,851,086, 7-25-89, Cl. 203-38.000.
- Khonsari, Ali M.: *See—*
  - Suciu, George D.; Khonsari, Ali M.; and Chen, Jamin, 4,857,151, Cl. 203-82.000.
- Khorin, Vladimir N.: *See—*
  - Masovich, Felix Z.; Khorin, Vladimir N.; Starichnev, Vladimir V.; and Turkin, Vladimir V., 4,861,111, Cl. 299-43.000.
- Khosah, Robinson P.; Novak, John W.; Weaver, Douglas G.; Fraser-Milla, Karen R.; and Burr, Richard R., to Aluminum Company of America. Supercritical fluid chromatography packing material. 4,816,159, 3-28-89, Cl. 210-635.000.
- Khosah, Robinson P.; Novak, John W.; Weaver, Douglas G.; Fraser-Milla, Karen R.; and Burr, Richard R., to Aluminum Company of America. Supercritical fluid chromatography packing material containing alumina. 4,880,543, 11-14-89, Cl. 210-635.000.
- Khoshkish, Kamran. Door sign device. 4,854,061, 8-8-89, Cl. 40-495.000.
- Khoshkish, Kamran. Door sign device. 4,881,335, 11-21-89, Cl. 40-449.000.
- Khosravi, Christopher H.: *See—*
  - Gal, Laszlo V.; Arraut, Fernando W.; and Khosravi, Christopher H., 4,839,541, Cl. 307-481.000.
- Khosravi, Parviz: *See—*
  - Dziura, Walter H.; Fusco, Angelo; and Khosravi, Parviz, 4,882,824, Cl. 29-33.200.
- Khosropour, Mostafa M., to Nelson Industries, Inc. Apparatus for measuring the vibrational characteristics of a muffler. 4,887,460, 12-19-89, Cl. 73-118.100.
- Khosrovi, Aman; Lou, Perry W.; and Chang, Ki S., to Texas Instruments, Incorporated. Process and device for refreshing an array of dynamic memory cells during precharge of the column lines. 4,831,594, 5-16-89, Cl. 365-222.000.
- Khoury, Issam A.: *See—*
  - Harley, A. Dale; Duquette, Lawrence G.; Khoury, Issam A.; and Kohatsu, Iwao, 4,816,072, Cl. 106-287.180.
- Khoury, John M.; and Trosino, James M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Squaring circuits in MOS integrated circuit technology. 4,835,421, 5-30-89, Cl. 307-491.000.
- Khowaylo, Alex: *See—*
  - Averill, Robert G.; and Khowaylo, Alex, 4,798,610, Cl. 623-22.000.
- Khromov, Gennady L.: *See—*
  - Babaian, Eduard A.; Gerasimova, Galina A.; Davydov, Anatoly B.; Utyamyshev, Rustam I.; Khromov, Gennady L.; Metelitsa, Vladimir I.; Vikhert, Anatoly M.; Savvateev, Konstantin L.; Piotrovsky, Vladimir K.; and Novikova, Elizaveta B., 4,842,854, Cl. 424-81.000.
- Khromovskikh, Oleg S.: *See—*
  - Ivchenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., 4,808,375, Cl. 420-548.000.
- Khuddus, Mo A., to Ethyl Corporation. Halogenated bis-imide flame retardants. 4,871,863, 10-3-89, Cl. 548-462.000.
- Khudenko, Boris M.: *See—*
  - Gitman, Gregory M.; and Khudenko, Boris M., 4,861,262, Cl. 431-5.000.
- Khurana, Neeraj, to Hypervision. Image emission microscope with improved image processiag capability. 4,811,090, 3-7-89, Cl. 358-93.000.
- Khurgin, Boris. Ice detector with movable feeler. 4,873,510, 10-10-89, Cl. 340-580.000.
- Khurgin, Boris. Two-resistor ice detector. 4,882,574, 11-21-89, Cl. 340-581.000.
- Khurgin, Boris, to Devis Ltd. Apparatus for processing cut flowers or similar articles. 4,885,898, 12-12-89, Cl. 53-513.000.
- Khurshid, Anwar: *See—*
  - Fergeson, Allen D.; Khurshid, Anwar; and Rouse, David M., 4,805,170, Cl. 370-89.000.
- Khusro, Mohammed M., to Polaroid Corporation. Robot arm member relative movement sensing apparatus. 4,818,173, 4-4-89, Cl. 414-735.000.
- Khusro, Mohammed M.: *See—*
  - Arpiarian, Archie H.; and Khusro, Mohammed M., 4,818,174, Cl. 414-735.000.
- Khutoretsky, Garri M.; Fridman, Vladimir M.; Zagorodnaya, Galina A.; Maximov, Leonid V.; and Tjurin, Jury G., to Leningradskoe Proizvodstvennoe Electromashinostroitelnoe Obiedinenie Electrosila. Dynamoelectric machine rotor with superconducting winding. 4,820,945, 4-11-89, Cl. 310-52.000.
- Khutoretsky, Garri M.; Tjurin, Jury G.; Yakovlev, Viktor S.; and Varshavsky, Vladimir D. Rotor of electric machine with superconducting field winding. 4,862,022, 8-29-89, Cl. 310-52.000.
- Khutoretsky, Garri M.; Tjurin, Jury G.; and Yakovlev, Viktor S., to Leningradskoe Proizvodstvennoe Electromashinostroitelnoe Obiedinenie Electrosila. Rotor of an electric machine. 4,864,171, 9-5-89, Cl. 310-52.000.
- Khutoretsky, Garri M.; Tjurin, Jury G.; Varshavsky, Vladimir D.; Zagorodnaya, Galina A.; and Fridman, Vladimir M., to Leningradskoe Proizvodstvennoe Electromashinostroitelnoe Obiedinenie Electrosila Imeni S.M. Kirova. Rotor of a cryogenic dynamoelectric machine. 4,876,469, 10-24-89, Cl. 310-52.000.
- Khutoryansky: *See—*
  - Tutt, Timothy T.; Westmeyer, Mark; and Khutoryansky, 4,872,064, Cl. 358-464.000.
- Ki Yip Chemical Works Limited: *See—*
  - Lam, Chun B. M., 4,826,428, Cl. 431-291.000.
- Kia, Hamid G., to General Motors Corporation. Method of molding a laminated foamable sheet. 4,798,763, 1-17-89, Cl. 428-285.000.
- Kia Motors Corporation: *See—*
  - Hong, Bahk, 4,807,932, Cl. 297-346.000.
  - Hong, Bahk, 4,840,427, Cl. 297-346.000.
- Kiang, Joseph K.; Tsou, Patrick K. C.; and Vogdes, Christine E., to Raychem Corporation. Method of producing high strength fibers. 4,853,164, 8-1-89, Cl. 264-22.000.
- Kiang, Juliann G.: *See—*
  - Wei, Edward T.; and Kiang, Juliann G., 4,801,612, Cl. 514-12.000.
- Kiang, Patty H.: *See—*
  - Romberg, Val. G.; Kiang, Patty H.; and Curry, Wayne T., 4,808,453, Cl. 428-36.800.
  - Romberg, Val G.; Kiang, Patty H.; Curry, Wayne T.; and Pfister, Ralph E., 4,882,210, Cl. 428-34.700.
- Kiankhooy-Fard, Paul: *See—*
  - Marrington, S. Paul; Kiankhooy-Fard, Paul; Zecos, Paul; and Rudaw, Geoffrey, 4,868,832, Cl. 371-66.000.

- Kibbel, Horst: *See—*
  - Herzog, Hans-Joest; Jorke, Helmut; and Kibbel, Horst, 4,843,028, Cl. 437-81.000.
  - Jorke, Helmut; and Kibbel, Horst, 4,806,502, Cl. 437-106.000.
- Kibblewhite, Ian E., to SPS Technologies, Inc. Ultrasonic load indicating member. 4,846,001, 7-11-89, Cl. 73-761.000.
- Kibler, Holly S.: *See—*
  - Berry, W. Wes; Schmeda, Rae A.; and Kibler, Holly S., 4,808,317, Cl. 210-660.000.
- Kibler, Vincent J.: *See—*
  - Pritchard, Francis E.; and Kibler, Vincent J., 4,844,111, Cl. 137-71.000.
- Kiblinger, Elliott C., II: *See—*
  - Bruchez, Raymond J., Jr.; Eichhorn, Gunther; and Kiblinger, Elliott C., II, 4,799,623, Cl. 239-265.410.
- Kich, Rolf: *See—*
  - Tatomir, Paul J.; Hammond, Martin B.; and Kich, Rolf, 4,802,234, Cl. 333-211.000.
- Kicherer, Robert; Schreder, Felix; Reif, Stefan; and Schneider, Uwe, to E.G.O. Elektro-Gerate Bianc U. Fischer. Electric hotplate and apparatus for the connection thereof. 4,818,846, 4-4-89, Cl. 219-458.000.
- Kicherer, Robert; Essig, Willi; and Mannuss, Siegfried, to E.G.O. Elektro-Gerate Blanc u. Fischer. Electric switching device, operable for power control. 4,829,279, 5-9-89, Cl. 337-94.000.
- Kicherer, Robert; Schreder, Felix; and Reif, Stefan, to E.G.O. Elektro-Gerate Blanc u. Fischer. Electric hotplate, apparatus and method for fitting a cover plate thereto. 4,861,969, 8-29-89, Cl. 219-458.000.
- Kicherer, Robert, to E.G O. Elektro-Gerate Blanc u. Fischer. Electric hotplate and apparatus for the connection thereof. 4,871,902, 10-3-89, Cl. 219-458.000.
- Kicherer, Robert: *See—*
  - Goessler, Gerhard; Wilde, Eugen; and Kicherer, Robert, 4,845,340, Cl. 219-464.000.
  - Lorenz, Josef; Kicherer, Robert; and Keller, Ewald, 4,864,106, Cl. 219-543.000.
- Kichikawa, Toshimichi: *See—*
  - Oohashi, Tuneyoshi; Takemori, Satoshi; Kichikawa, Toshimichi; Kuwabara, Kouji; and Sugawara, Hiroyuki, 4,818,892, Cl. 307-106.000.
- Kichline, Timothy J. Portable electric smoke detector/alarm flashlight. 4,862,148, 8-29-89, Cl. 340-628.000.
- Kickstop Limited: *See—*
  - Ward, Alan S., 4,867,493, Cl. 292-202.000.
- Kickuth, Reinhold W. Installation for purifying liquids using a through-flow-controlled aquatic plant-containing filter bed. 4,855,040, 8-8-89, Cl. 210-109.000.
- Kiczek, Edward F., to Air Products and Chemicals, Inc. Method and apparatus for cooling fruit to a select temperature. 4,866,950, 9-19-89, Cl. 62-374.000.
- Kiczek, Edward F.: *See—*
  - Davis, Lester W., Jr.; Geosits, John P.; Juedes, Dennis L.; and Kiczek, Edward F., 4,859,173, Cl. 431-175.000.
- Kida, Akinari; Fukutomi, Naoki; Tsubomatsu, Yoshiaki; and Yasuoka, Takuya, to Hitachi Chemical Company, Ltd. Process for producing high-density wiring board. 4,830,691, 5-16-89, Cl. 156-631.000.
- Kida, Eiji: *See—*
  - Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.
- Kida, Haruyasu: *See—*
  - Sagi, Nobuo; Izumi, Tsugio; Kida, Haruyasu; and Maeda, Hirokazu, 4,839,192, Cl. 426-607.000.
- Kida, Hideo: *See—*
  - Samejima, Kazuo; Tsuchihashi, Hironori; Sato, Tsuyoshi; Hamada, Toshihiko; Kida, Hideo; and Kasamatsu, Kiyoto, 4,882,898, Cl. 56-208.000.
- Kida, Hironobu: *See—*
  - Okuma, Kuniaki; Maezawa, Ikuo; Koizumi, Hideharu; Tanaka, Masato; and Kida, Hironobu, 4,832,176, Cl. 198-418.100.
- Kida, Hiroyuki; and Maejima, Hideo, to Hitachi, Ltd. Microprogram control system. 4,835,679, 5-30-89, Cl. 364-200.000.
- Kida, Katsuaki; Kashihara, Akio; Ishii, Keizou; and Kayano, Hiromichi, to Nippon Paint Co., Ltd. Particles of crosslinked polymer prepared by emulsion polymerization in the absence of dispersion stabilizer. 4,803,252, 2-7-89, Cl. 526-297.000.
- Kida, Kenji, to Komori Printing Machinery Co., Ltd. Sheet turn-over apparatus for sheet-fed rotary printing press. 4,823,695, 4-25-89, Cl. 101-230.000.
- Kida, Masaaki; Kitabata, Isako; Kubotsu, Kazuhisa; and Sakata, Yoshitsugu, to Wako Pure Chemical Industries, Ltd. Novel functionallized liposomes and a process for production thereof. 4,861,597, 8-29-89, Cl. 424-450.000.
- Kida, Masaaki: *See—*
  - Sakata, Yoshitsugu; Hashidume, Kazunari; Iwata, Tsutomu; Mukai, Toyoharu; and Kida, Masaaki, 4,879,383, Cl. 544-37.000.
- Kida, Masashi: *See—*
  - Kabe, Kazuyuki; Takahashi, Ken; Kida, Masashi; and Harada, Saichi, 4,800,941, Cl. 152-531.000.
  - Suzuki, Yoshihiko; Kida, Masashi; Ahagon, Akihiro; Saitoh, Yuichi; and Yamaguchi, Youichi, 4,826,911, Cl. 524-526.000.
- Kida, Shinji: *See—*
  - Satoh, Yoshiyuki; Kida, Shinji; Kimura, Hiroshi; and Otsuki, Masaaki, 4,828,739, Cl. 252-49.600.
- Kida, Shuji; Kaneko, Yutaka; Kadokura, Kenji; Yoshimoto, Shinji; and Masuda, Kosaku, to Konishiroku Photo Industry Co., Ltd. Silver halide photographic material. 4,839,264, 6-13-89, Cl. 430-505.000.
- Kida, Shuji: *See—*
  - Miura, Norio; Kida, Shuji; Nakagawa, Satoshi; and Kimura, Toshihiko, 4,865,961, Cl. 430-553.000.
- Kida, Takashi: *See—*
  - Kobari, Osamu; and Kida, Takashi, 4,824,364, Cl. 432-30.000.
- Kida, Yasuji: *See—*
  - Tanaka, Takashi; Imura, Satoshi; and Kida, Yasuji, 4,882,438, Cl. 548-407.000.
- Kida, Yasushi: *See—*
  - Okamoto, Kenji; and Kida, Yasushi, 4,885,787, Cl. 382-54.000.
- Kidani, Yoshinori; and Noji, Masahide, to Kidani, Yoshinori. Platinum-flavin anti-tumor complexes. 4,797,485, 1-10-89, Cl. 544-225.000.
- Kidani, Yoshinori; and Noji, Masahide, to Kidani, Yoshinori. Platinum (IV) complexes. 4,845,124, 7-4-89, Cl. 514-492.000.
- Kidani, Yoshinori; and Noji, Masahide, to Kidani, Yoshinori. Novel platinum-steroid complexes. 4,879,379, 11-7-89, Cl. 540-3.000.
- Kidawara, Atsushi; Nishikori, Toshiaki; Kanno, Masahide; Yabe, Hisao; Katoh, Shinichi; Ikuno, Yuji; and Nakamura, Takeaki, to Olympus Optical Co., Ltd. Multiple characteristic endoscope light source for frame sequential color imaging, mosaic color imaging and fiber image guide scopes. 4,862,258, 8-29-89, Cl. 358-98.000.
- Kidawara, Atsushi: *See—*
  - Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.
  - Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.
- Kidd Creek Mines Ltd.: *See—*
  - Borst, Nico; Talbot, Marc D.; and Scott, James D., 4,882,027, Cl. 204-286.000.
- Kidd, Daniel R., to Nationwide Industries, Inc. Novel space-saving carrier for containers. 4,850,478, 7-25-89, Cl. 206-147.000.
- Kidd, Dennis R.: *See—*
  - Gardner, Lloyd E.; and Kidd, Dennis R., 4,888,316, Cl. 502-20.000.
- Kidd, Jennifer: *See—*
  - Staples, Linton D.; Norman, Robert I.; Davey, Robert B.; Hastings, Catherine; Kidd, Jennifer; and Rachmat, Jatni, 4,882,137, Cl. 424-423.000.
- Kidd, Jonathan, to General Electric Company, p.l.c., The. Electrical circuit. 4,828,877, 5-9-89, Cl. 427-96.000.
- Kidd, Richard L., to General Motors Corporation. Door trim panel assembly. 4,848,829, 7-18-89, Cl. 296-152.000.
- Kidd, Richard W.: *See—*
  - Garg, Diwaker; Klucher, Beth A.; Dyer, Paul N.; Kidd, Richard W.; and Ceccarelli, Christopher, 4,874,642, Cl. 427-249.000.
- Kidde Consumer Durables Corporation: *See—*
  - Compton, Wayne W., 4,856,103, Cl. 362-340.000.
- Kidde Holding, Inc.: *See—*
  - DiSesa, Frank, 4,819,827, Cl. 220-318.000.
- Kidde, Inc.: *See—*
  - Pearlman, Sheldon; Fridland, Anatoly; and Martin, Gunther J., 4,799,239, Cl. 375-88.000.
  - Willson, James R., 4,802,507, Cl. 137-613.000.
- Kidde Industries, Inc.: *See—*
  - Hade, Donald C., Jr.; and Backer, Robert D., 4,809,472, Cl. 52-118.000.
- Kidde Recreational Products Inc.: *See—*
  - DeVale, Donald P.; Brejcha, Robert J.; and Lantz, Gregory W., 4,836,556, Cl. 273-376.000.
- Kidder, Harvey L.: *See—*
  - Kellman, George A.; Flower, Richard E.; and Kidder, Harvey L., 4,799,688, Cl. 273-371.000.
- Kidder, Kenneth B.; Landis, William R.; and Patton, Paul B., to Honeywell Inc. Anti-bounce logic for critical loads. 4,858,885, 8-22-89, Cl. 251-129.010.
- Kidder, Kenneth B.: *See—*
  - Adams, Wilmer L.; Kidder, Kenneth B.; and Landis, William R., 4,835,670, Cl. 364-184.000.
  - Bartels, James I.; Patton, Paul B.; Kidder, Kenneth B.; and Gaskell, Alfred J., 4,880,376, Cl. 431-12.000.
- Kidder, William L.: *See—*
  - Thornborough, Raymond J.; Probert, Walter L.; Wachs, Dennis L.; Strobel, Donald H.; and Kidder, William L., 4,817,131, Cl. 379-107.000.
  - Thornborough, Raymond J.; Probert, Walter L.; Wachs, Dennis L.; Strobel, Donald H.; and Kidder, William L., 4,866,761, Cl. 379-107.000.
- Kiddie Products, Inc.: *See—*
  - Caranica, Gloria, 4,850,927, Cl. 446-369.000.
  - Nowak, Ralph M.; Ashton, Harold; and Hornbostel, Earlene, 4,822,051, Cl. 273-157.00R.
- Kiddiecorp., Inc.: *See—*
  - Anabtawi, Anan A.; and Logan, Keith M., 4,810,859, Cl. 219-535.000.
- Kidera, Kenji: *See—*
  - Takeda, Takashi; Omori, Katsumi; Ohkuma, Toshiyuki; Kidera, Kenji; Nakagawa, Shigeru; and Hirose, Tetsuzo, 4,818,148, Cl. 405-234.000.

- Kidman, Gene E.; and Gardner, William E., to NutraSweet Company, The. Recovery of L-amino acid isomers from their racemic mixtures. 4,847,409, 7-11-89, Cl. 562-401.000.
- Kidman, L. La Vere. Dispensing hanger for rolls of serially connected sheets. 4,858,840, 8-22-89, Cl. 242-55.200.
- Kidnie, Kevin M.: *See—*
  - Chou, Hsin-Hsin; Elmasry, Mohamed A.; Chang, Jeffrey C.; and Kidnie, Kevin M., 4,822,643, Cl. 427-256.000.
- Kido, Kazuyuki; and Horiuchi, Harumi, to Group-N Corporation. Synchronization of plural video reproducing systems. 4,805,036, 2-14-89, Cl. 358-335.000.
- Kido, Keishiro; Saito, Yoshio; Koizumi, Takashi; and Seshimoto, Osamu, to Fuji Photo Film Co., Ltd. Dual pipette device. 4,801,434, 1-31-89, Cl. 422-100.000.
- Kido, Keishiro; and Tezuka, Sigeru, to Fuji Photo Film Co., Ltd. Liquid depositing device and method. 4,869,114, 9-26-89, Cl. 73-864.240.
- Kido, Keishiro; and Saito, Yoshio, to Fuji Photo Film Co., Ltd. Pipette device. 4,873,059, 10-10-89, Cl. 422-100.000.
- Kido, Koichi; Shibayama, Kenji; Isobe, Yutaka; Tsuruta, Masahiko; and Yamada, Hiroshi, to Victor Company of Japan Ltd. Magnetic recording/reproducing apparatus which accomodates different tape types. 4,811,122, 3-7-89, Cl. 360-25.000.
- Kido, Koichi: *See—*
  - Nishimoto, Naomichi; Okauchi, Takeshi; and Kido, Koichi, 4,841,383, Cl. 360-33.100.
- Kido, Kunio: *See—*
  - Tanaka, Shinsaku; and Kido, Kunio, 4,800,451, Cl. 360-74.200.
  - Tanaka, Shinsaku; and Kido, Kunio, 4,802,029, Cl. 360-74.100.
- Kido, Shigeru: *See—*
  - Saitoh, Izumi; Kido, Shigeru; Sasaki, Yoshio; and Shinohara, Syuichiro, 4,874,830, Cl. 526-318.400.
- Kido, Tooru, to NEC Corporation. DC supply having low and high constant voltages for powering a polarity inverter controller. 4,864,213, 9-5-89, Cl. 323-222.000.
- Kido, Yoshinobu; and Yamada, Toshihiro, to Mazda Motor Corporation. Shift indicator system for vehicle. 4,853,673, 8-1-89, Cl. 340-439.000.
- Kido, Yoshinobu: *See—*
  - Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Shimomura, Setsuhiro; Ohtani, Hichirou; and Tamura, Shigeru, 4,846,133, Cl. 123-494.000.
  - Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Inada, Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, 4,864,855, Cl. 73-204.210.
- Kidoguchi, Isao: *See—*
  - Taguchi, Tsunemasa; Kidoguchi, Isao; and Nanba, Hirokuni, 4,866,007, Cl. 437-108.000.
- Kidoh, Masaro: *See—*
  - Nojiri, Hitoshi; Kitai, Katuhiro; Ohnari, Yoshihide; Kidoh, Masaro; and Yamamoto, Tsuneo, 4,808,468, Cl. 428-220.000.
- Kidokoro, Susumu: *See—*
  - Nagata, Hideyuki; Kidokoro, Susumu; Morota, Masao; and Tajima, Eiichi, 4,844,757, Cl. 156-62.000.
- Kidron, Ben-Zion: *See—*
  - Tamir, Ilana; Kidron, Ben-Zion; Wang, Lynn; and Inbar, Michael, 4,883,765, Cl. 436-71.000.
- Kidwell, Michael H.: *See—*
  - Studebaker, Robert H.; Teach, Ted L.; and Kidwell, Michael H., 4,888,890, Cl. 37-103.000.
- Kiechel, Jean-Rene; Acezat-Mispelter, Francoise; and Plas, Danielle, to Yamanouchi Pharmaceutical Co., Ltd. Nasal compositions. 4,885,305, 12-5-89, Cl. 514-356.000.
- Kieckhafer, Roger M.; Finn, Alan M.; and Walter, Chris J., to Allied-Signal Inc. Task scheduler for a fault tolerant multiple node processing system. 4,805,107, 2-14-89, Cl. 364-200.000.
- Kieckhafer, Roger M.: *See—*
  - Finn, Alan M.; Kieckhafer, Roger M.; and Walter, Chris J., 4,816,989, Cl. 364-200.000.
- Kieczykowski, Gerard R.: *See—*
  - Wattley, Ruth V.; and Kieczykowski, Gerard R., 4,820,818, Cl. 540-586.000.
- Kiedaisch, Randall A., to Manville Corporation. Display carton. 4,815,609, 3-28-89, Cl. 206-606.000.
- Kiedrowski, James A.: *See—*
  - Kendig, John R.; Hibble, William R.; and Kiedrowski, James A., 4,803,413, Cl. 318-648.000.
- Kief, Horst. Sailing provisions including release to prevent capsizing. 4,854,255, 8-8-89, Cl. 114-39.100.
- Kiefel, Bernhard: *See—*
  - Abou-Aly, Mohamed; Bohnacker, Eberhard; Kiefel, Bernhard; Gerhardy, Reinhard; Friedrich, Reinhard; and Krauter, Erich, 4,816,192, Cl. 261-130.000.
- Kiefer, Dale A.: *See—*
  - Booth, Charles R.; and Kiefer, Dale A., 4,804,849, Cl. 250-459.100.
- Kiefer, Dieter; and Grommes, Helmut, to Deutsche Babcock Werke Aktiengesellschaft. Bowl-mill crusher. 4,860,962, 8-29-89, Cl. 241-117.000.
- Kiefer, Klaus, Jurgen and Straten, Gunter: *See—*
  - Straten, Gunter, 4,843,719, Cl. 33-27.020.
- Kiefer, Laura A.: *See—*
  - Elliott, David L.; and Kiefer, Laura A., 4,867,896, Cl. 252-94.000.
- Kiefer, Walter J.; and Cross, Michael R., to Kiefers, Ltd. Torque indicator. 4,808,976, 2-28-89, Cl. 340-665.000.
- Kiefer, Werner, to Schott Glaswerke. Borosilicate glass. 4,870,034, 9-26-89, Cl. 501-66.000.
- Kiefers, Ltd.: *See—*
  - Kiefer, Walter J.; and Cross, Michael R., 4,808,976, Cl. 340-665.000.
- Kieffer, Kenneth D.: *See—*
  - Pham, Hieu T.; Ng, Yee S.; Kieffer, Kenneth D.; Tschang, Pin S.; and Zeise, Eric K., 4,831,395, Cl. 346-160.000.
  - Tschang, Pin S.; Pham, Hieu T.; and Kieffer, Kenneth D., 4,885,597, Cl. 364-519.000.
- Kieffer, Thomas M.; and Gaasedelen, David J., to Connect Computer Company, Inc. Method and apparatus used in mounting expansion cards. 4,858,162, 8-15-89, Cl. 364-708.000.
- Kiehl, Richard A.: *See—*
  - Capasso, Federico; French, Harry T.; Gossard, Arthur C.; Hutchinson, Albert L.; Kiehl, Richard A.; and Sen, Sustana, 4,849,799, Cl. 357-34.000.
- Kiehlbauch, Richard A.; and Tsaur, Sheng-Liang, to S.C. Johnson & Son, Inc. Resin-fortified emulsion polymers and methods of preparing the same. 4,839,413, 6-13-89, Cl. 524-460.000.
- Kiehmaschinen GmbH: *See—*
  - Paraskevas, Elefterios, 4,879,892, Cl. 72-290.000.
- Kiehn, Robert M.: *See—*
  - Gorman, Michael A.; Sterling, Mark H.; Kiehn, Robert M.; and Wood, Lowell T., 4,834,484, Cl. 350-96.180.
  - Gorman, Michael A.; Sterling, Mark H.; Kiehn, Robert M.; and Wood, Lowell T., 4,842,393, Cl. 350-432.000.
- Kiejzik, Paul. Multi-channel transparent film jacket. 4,866,864, 9-19-89, Cl. 40-159.000.
- Kiekert GmbH & Co. Kommanditgesellschaft: *See—*
  - Kleefeldt, Frank, 4,834,435, Cl. 292-341.120.
  - Kleefeldt, Frank; Brackmann, Horst; and Bartel, Peter, 4,837,567, Cl. 340-825.310.
  - Kleefeldt, Frank, 4,869,536, Cl. 292-210.000.
  - Kleefeldt, Frank, 4,883,298, Cl. 292-341.120.
  - Schuler, Rolf, 4,821,521, Cl. 60-716.000.
- Kiekhaefer, John H.; Perko, Jack E.; Hetzer, Joseph S.; and Harris, Frank W., to W. H. Brady Co. Pultruded fiber reinforced plastic marking devices. 4,812,343, 3-14-89, Cl. 428-35.600.
- Kiel, Bernd: *See—*
  - Deike, Karl-Heinz; Kiel, Bernd; and Konig, Heinz-Werner, 4,817,660, Cl. 137-116.000.
- Kiel Corporation: *See—*
  - Pellizzari, Paolo; and Perry, Richard, 4,853,697, Cl. 341-23.000.
- Kiel, Johnathan L., to United States of America, Air Force. Method of prevention of oxidative injury to cells. 4,870,002, 9-26-89, Cl. 435-2.000.
- Kiel, Johnathan L., to United States of America, Air Force. Method of inhibiting the activity of peroxidases and stimulating tumor growth. 4,871,770, 10-3-89, Cl. 514-567.000.
- Kiel, Reinhard: *See—*
  - Rietschel, Wolfgang; Kiel, Reinhard; Kahlert, Wolfgang; and Kuhlmann, Winfried, 4,868,124, Cl. 435-311.000.
- Kieli, Michael, to Thomas & Betts Corporation. Optical fiber modulator. 4,810,051, 3-7-89, Cl. 350-96.150.
- Kielman, Bradley: *See—*
  - Hensley, David E., and Kielman, Bradley, 4,865,024, Cl. 128-80.00C.
- Kielmeyer, Ronald F., Jr., to Motorola, Inc. Wide band voltage controlled R-C oscillator for use with MMIC technology. 4,873,497, 10-10-89, Cl. 331-108.00B.
- Kielmeyer, William H.; Rohweder, Theodore R.; and Ray, Richard J., Jr., to Manville Corporation. Fiber glass board and method of manufacture. 4,835,045, 5-30-89, Cl. 428-284.000.
- Kielmeyer, William H., to Johns-Manville Corporation. Loose-fill insulation. 4,842,928, 6-27-89, Cl. 428-288.000.
- Kielpikowski, David P., to Kimberly-Clark Corporation. Elasticized waist integration member for disposable absorbent garments. 4,808,176, 2-28-89, Cl. 604-385.200.
- Kielpikowski, David P.; Uitenbroek, Duane G.; and Proxmire, Deborah L., to Kimberly-Clark Corporation. Disposable garment having elastic outer cover and integrated absorbent insert structure. 4,834,738, 5-30-89, Cl. 604-385.200.
- Kielpikowski, David P.; and Uitenbroek, Duane G., to Kimberly-Clark Corporation. Method of making a breathable elastic fabric composite and personal article incorporating same. 4,842,596, 6-27-89, Cl. 604-385.200.
- Kiely, Donald E.; and Lin, Tsu-Hsing, to Research Corporation Technologies, Inc. Polyhydroxypolyamides and process for making same. 4,833,230, 5-23-89, Cl. 528-230.000.
- Kiely, John S.: *See—*
  - Blankley, C. John; Hodges, John C.; Kiely, John S.; and Klutchko, Sylvester R., 4,812,462, Cl. 514-303.000.
  - Blankley, C. John; Hodges, John C.; Kiely, John S.; and Klutchko, Sylvester R., 4,816,463, Cl. 514-293.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,199, Cl. 514-411.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,200, Cl. 514-418.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.,

Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,205, Cl. 514-456.000.

Carethers, Mary E.; Centenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,874,758, Cl. 514-226.500.

Kiendl, Helmut: *See—*

Roth, Martin; and Kiendl, Helmut, 4,880,188, Cl. 244-173.000.

Kienel, Gerhard: *See—*

Bauer, Volker; Feuerstein, Albert; Hartig, Klaus; Kienel, Gerhard, Lammermann, Helmuth; and Zirkel, Wolfgang, 4,828,872, Cl. 427-39.000.

Kiener, Volker; Nonn, Guenther; Seid, Bernhard; Schewski, Harald; and Buellmeyer, Karl, to BASF Aktiengesellschaft. Continuous preparation of solutions of low viscosity solvents and high viscosity, pasty products. 4,871,373, 10-3-89, Cl. 23-306.000.

Kieninger, Walter, to Entwicklungszentrum fur Zerspanungstechnik. Cutter head. 4,848,977, 7-18-89, Cl. 407-39.000.

Kienitz, Ulrich; and Schiewe, Christian, to VEB Messgeraetewerk Erich Weiner Magdeburg, Betrieb des Kombinates. Method for the contactless measuring of temperature with a multi-channel pyrometer. 4,821,219, 4-11-89, Cl. 364-571.030.

Kienitz, Ulrich, to VEB Messgeraetewerk "Erich Weinert" Magdeburg, Betrieb des Kombinates VEB EAW Berlin-Treptow. Pyrometric measurement procedure and multi-channel pyrometer. 4,880,314, 11-14-89, Cl. 374-129.000.

Kienle, Gunther W.: *See—*

Bowers, David L.; and Kienle, Gunther W., 4,802,485, Cl. 128-633.000.

Kienzle Apparate GmbH: *See—*

Hauger, Josef; and Tauchert, Klaus, 4,810,118, Cl. 400-212.000.

Herrmann, Lothar; Kaiser, Bernhard; and Wokock, Ortwin, 4,807,737, Cl. 194-293.000.

Kier, Robert E.: *See—*

Knowles, Vernon L.; and Kier, Robert E., 4,823,212, Cl. 360-77.080.

Kieras, Ronald E.: *See—*

Kremer, Leon V.; and Kieras, Ronald E., 4,848,947, Cl. 401-206.000.

Kieronski, John P., to Gilreath, Donald R. Pneumatic tube carrier system and method. 4,820,086, 4-11-89, Cl. 406-112.000.

Kierstan, Marek P. J.: *See—*

Baines, David A.; Filby, Paul K.; and Kierstan, Marek P. J., 4,886,659, Cl. 424-63.000.

Kierstead, Bruce E., to Square D Company. Apparatus and method for calibrating a motor monitor by reading and storing a desired value of the power factor. 4,864,287, 9-5-89, Cl. 340-648.000.

Kierstead, Mark S.: *See—*

Baer, Thomas M.; and Kierstead, Mark S., 4,872,177, Cl. 372-75.000.

Kiersz, Donna F.; and Parysek, Karen D., to Union Carbide Corporation. Air separation method with integrated gas turbine. 4,806,136, 2-21-89, Cl. 62-18.000.

Kierzkowski, Frank J.; and Ross, John R., to Peerless Manufacturing Company. Moisture separator. 4,854,950, 8-8-89, Cl. 55-213.000.

Kies, Anton M.; van den Nieuwelaar, Harry C.; and Bowmer, Geoff M., to Erico International Corporation. Method for rolling tapered threads on bars. 4,819,469, 4-11-89, Cl. 72-89.000.

Kies, Anton M.; van den Nieuwelaar, Harry C.; and Bowmer, Geoff M., to Erico International Corporation. Tapered rolled thread bar joint. 4,870,848, 10-3-89, Cl. 72-89.000.

Kies, James L. Ice bike. 4,828,280, 5-9-89, Cl. 280-12.140.

Kiesche, Eric A.; and Crabtree, Samuel B., to Combustion Engineering, Inc. Control system for a rotation station for remotely installing a mechanical tube plug. 4,873,753, 10-17-89, Cl. 29-157.30R.

Kiesche, Eric A.: *See—*

Southerland, Tommy J.; Hinds, Eugene L.; Brown, Timothy L.; and Kiesche, Eric A., 4,804,814, Cl. 219-69.00V.

Kieschke, Hans G.: *See—*

Van Rens, Piet C. J.; Van Der Avoort, Henricus J. M.; and Kieschke, Hans G., 4,868,453, Cl. 313-402.000.

Kiesel, Rolf, to Patent Treuhand Gesellschaft fur elektrische Gluhlampen mbH. Halogen incandescent lamp structure. 4,801,845, 1-31-89, Cl. 313-579.000.

Kieser, Jorg; Lotz, Hans G.; Dittmer, Gonde; and Sellschopp, Michael, to Leybold Aktiengesellschaft. Apparatus for injecting microwave energy by means of an open microwave guide. 4,847,460, 7-11-89, Cl. 219-10.55A.

Kieser, Manfred; and Stahlecker, Otto, to Merck Patent Gesellschaft mit beschrankter Haftung. Readily dispersible nacreous pigment preparation. 4,814,020, 3-21-89, Cl. 106-499.000.

Kieser, Wolfgang, to Elopak A/S. Sealing of container closure. 4,860,902, 8-29-89, Cl. 206-631.300.

Kiesewetter, Dieter: *See—*

Bretschneider, Gerd; and Kiesewetter, Dieter, 4,802,600, Cl. 220-1.500.

Kiesinger, Werner: *See—*

Zaugg, Paul; and Kiesinger, Werner, 4,819,684, Cl. 137-112.000.

Kiesling, Douglas A.: *See—*

Bertram, Francis; and Kiesling, Douglas A., 4,846,742, Cl. 440-61.000.

Kiessling, Michael: *See—*

Aichert, Hans; Stephan, Herbert; Stumpp, Hermann; Dietrich, Walter; and Kiessling, Michael, 4,821,791, Cl. 164-506.000.

Kievsky Inzhenerno-Stroitelny Institut: *See—*

Azamatov, Ramil A.; Zamitter, Mikhail N.; Zema, Evgeny M.; Nedorezov, Vladimir A.; and Oblovatsky, Anatoly K., 4,886,292, Cl. 280-718.000.

Kievsky Politekhnichesky Institut: *See—*

Gershuni, Alexandr N.; Maisotsenko, Valery S.; Zaripov, Vladlen K.; and Semena, Mikhail G., 4,842,052, Cl. 165-104.110.

Kiewit, David A., to A. C. Nielsen Company. Method and apparatus for determining channel reception of a receiver. 4,876,736, 10-24-89, Cl. 455-2.000.

Kiffel, William G.; and Tyson, Therese M., to S. C. Johnson & Son, Inc. Hair reviver composition containing film-forming amino acids. 4,837,012, 6-6-89, Cl. 424-70.000.

Kiffmeyer, Vernon A., to Commercial Shearing, Inc. End-of-stroke bypass valve in piston for impact relief in hydraulic tilt and trim cylinder. 4,825,752, 5-2-89, Cl. 91-422.000.

Kiga, Hidetaka: *See—*

Naito, Susumu; Abe, Koichi; Kiga, Hidetaka; and Onda, Yuzi, 4,801,737, Cl. 560-139.000.

Kiger, Carrie A. Gardening glove with attached fingertip cups. 4,867,246, 9-19-89, Cl. 172-370.000.

Kiger, Virginia S.: *See—*

Savas, Peter G.; Kiger, Virginia S.; and Boudreau, Ronald R., 4,800,020, Cl. 210-359.000.

Savas, Peter G.; and Kiger, Virginia S., 4,859,336, Cl. 210-416.100.

Kiger, William E.; and Cox, Jimmy A., to Westinghouse Electric Corp. Reconditioned milling tool and method of making same. 4,832,540, 5-23-89, Cl. 407-34.000.

Kignell, Jean-Erik. Process for chemicals and energy recovery from waste liquors. 4,808,264, 2-28-89, Cl. 162-30.100.

Kigre, Inc.: *See—*

Myers, John D., 4,875,920, Cl. 65-30.140.

Rapp, Charles F., 4,849,002, Cl. 65-30.130.

Kiguchi, Isamu, deceased: *See—*

Kakimoto, Yukihiko; Sawada, Masayuki; Kajimoto, Yoshiaki; and Kiguchi, Isamu, deceased, 4,875,909, Cl. 55-40.000.

Kiguchi, Kuniko, legal representative: *See—*

Kakimoto, Yukihiko; Sawada, Masayuki; Kajimoto, Yoshiaki; and Kiguchi, Isamu, deceased, 4,875,909, Cl. 55-40.000.

Kihara, Hiroyuki; and Ogawa, Isaoi, to Seiko Seiki Kabushiki Kaisha. Internal grinding machine. 4,845,895, 7-11-89, Cl. 51-33.00W.

Kihara, Hiroyuki; and Mitaki, Kazuya, to Citizen Watch Co., Ltd. Sensor signal processor. 4,879,669, 11-7-89, Cl. 364-550.000.

Kihara, Hisashi, to Pioneer Electronic Corporation. Binaural correlation coefficient correcting apparatus. 4,817,162, 3-28-89, Cl. 381-97.000.

Kihara, Jyunichi, to Kabushiki Kaisha Toshiba. System for continuous DMA transfer of virtually addressed data blocks. 4,797,812, 1-10-89, Cl. 364-200.000.

Kihara, Kunio: *See—*

Yasukawa, Eiki; Kihara, Kunio; and Tsuboi, Mayumi, 4,798,771, Cl. 429-192.000.

Kihara, Nobuyoshi: *See—*

Shimeki, Yasuharu; Matsushima, Hiroshi; Ohtsu, Masamitsu; and Kihara, Nobuyoshi, 4,809,087, Cl. 360-19.100.

Kihara, Noriaki; Mukaiyama, Teruaki; Ishitoku, Takeshi; and Takahashi, Katsuya, to Mitsui Petrochemical Industries, Ltd. Cyanoguanidine derivative and process for preparation thereof. 4,814,500, 3-21-89, Cl. 564-104.000.

Kihara, Noriaki: *See—*

Hashimoto, Isao; Tomino, Ikuo; Kato, Houji; Kihara, Noriaki; and Mukaiyama, Teruaki, 4,808,726, Cl. 548-342.000.

Tan, Hiroaki; Kato, Koji; Imuta, Junichi; and Kihara, Noriaki, 4,886,910, Cl. 564-215.000.

Tan, Hiroaki; Yokoyama, Keiichi; and Kihara, Noriaki, 4,886,912, Cl. 564-240.000.

Kihara, Taku, to Sony Corporation. Registration adjusting apparatus for a color television camera using a plurality of pick-up tubes. 4,835,594, 5-30-89, Cl. 358-51.000.

Kihara, Taku, to Sony Corp. Aperture correction circuit. 4,855,829, 8-8-89, Cl. 358-162.000.

Kihara, Taku, to Sony Corp. Aperture correction circuit. 4,876,599, 10-24-89, Cl. 358-162.000.

Kihara, Taku: *See—*

Ohta, Yoshiyuki; and Kihara, Taku, 4,875,044, Cl. 341-87.000.

Kihara, Teruo: *See—*

Kashiwai, Mikio; and Kihara, Teruo, 4,869,120, Cl. 74-12.000.

Kihara, Tomohiko: *See—*

Tsuda, Kazuhiro; Kihara, Tomohiko; and Suzuki, Kaoru, 4,862,003, Cl. 250-363.020.

Kihara, Toshimasa: *See—*

Matsubara, Kiyoshi; Yamaura, Tadashi; Kihara, Toshimasa; and Kawashimo, Norishige, 4,860,087, Cl. 357-68.000.

Kihara, Yoshinori: *See—*

Weigand, Eckehard; Kihara, Yoshinori; and Honda, Masaru, 4,853,417, Cl. 521-131.000.

Kihara, Yuji, to Mitsubishi Denki Kabushiki Kaisha. Input buffer circuit of a MOS memory device. 4,805,153, 2-14-89, Cl. 365-230.000.

Kihira, Hiroshi; Ito, Satoshi; Murata, Tomomi; Sakamoto, Shunji; and Yamamoto, Kazuo, to Nippon Steel Corporation. Method and apparatus for diagnosing degradation of coating film on metal material. 4,806,849, 2-21-89, Cl. 324-65.0CR.

Kihira, Hiroshi: *See—*

Matsuoka, Kazumi; Kihira, Hiroshi; Ito, Satoshi; and Murata, Tomomi, 4,861,453, Cl. 204-404.000.

Oka, Tomoki; Kihira, Hiroshi; Matsuoka, Kazumi; and Ito, Satoshi, 4,800,165, Cl. 436-6.000.

Kihira, Koichi: *See—*

Yukitomo, Kazuo; Anan, Yoshiaki; Hattori, Masaichi; Arakawa, Kaneyasu; Hanaki, Akira; and Kihira, Koichi, 4,801,770, Cl. 200-61.270.

Kihlmire, William M.: *See—*

Chyba, Joseph A.; Kihlmire, William M.; and Blackburn, Theodore J., 4,838,530, Cl. 269-15.000.

Kiha, John P. Inflatable tent. 4,819,389, 4-11-89, Cl. 52-2.000.

Kijek, James E.; Brown, Keith C.; and Murphy, Bryan P., to Clairol Incorporated. Hair dye coupler and process for making. 4,838,894, 6-13-89, Cl. 8-412.000.

Kijima, Eiichi: *See—*

Takei, Yoshiaki; Kijima, Eiichi; Goto, Satoshi; and Nomori, Hiroyuki, 4,835,080, Cl. 430-58.000.

Kijima, Takao; Ando, Fumitaka; and Koyama, Toshihide, to Mazda Motor Corporation. Automobile sub-frame structure. 4,826,203, 5-2-89, Cl. 280-690.000.

Kijima, Takao; and Edahiro, Takeshi, to Mazda Motor Corporation. Vehicle suspension supporting construction. 4,874,165, 10-17-89, Cl. 280-690.000.

Kijima, Takao: *See—*

Tomoda, Atsuo; Kijima, Takao; Yamada, Muneharu; and Itoh, Takaaki, 4,821,830, Cl. 180-140.000.

Kijima, Takashi; Matsui, Jyun; Sera, Takaaki; Kobayashi, Takayuki; Takakusa, Shunji; and Ogata, Hiroshi, to Asahi Glass Company Ltd. Glass substrate for a magnetic disc and process for its production. 4,833,001, 5-23-89, Cl. 428-141.000.

Kijima, Tetsuo: *See—*

Ohara, Sosaburo; Ikeda, Atsushi; Shinohara, Seigo; and Kijima, Tetsuo, 4,880,557, Cl. 252-174.150.

Kijima, Toshio; Tezuka, Tokuya; Doi, Yoji; Yamashita, Shuiichi; Namba, Shigetoh; and Arie, Tsutomu, to Tochigi Prefecture. *Pseudomonas gladioli* and a process for biologically controlling fusarium diseases using *Pseudomonas gladioli* pv. gladioli. 4,880,745, 11-14-89, Cl. 435-253.300.

Kijima, Yasuhiko: *See—*

Ishiki, Tomiya; Kijima, Yasuhiko; Ito, Akira; and Ishii, Kenji, 4,843,170, Cl. 560-261.000.

Kawaki, Takao; Kijima, Yasuhiko; Miyauchi, Yuh; Ukita, Eizi; Nakajima, Toru; and Masumoto, Mituhiko, 4,888,401, Cl. 525-468.000.

Kikel, Keith R., to Wall, Dean H. Multiple bit handtool. 4,848,197, 7-18-89, Cl. 81-440.000.

Kikkawa, Katsumasa: *See—*

Abe, Toshiyuki; Kikkawa, Katsumasa; Gonda, Michihiro; Sensui, Hideyuki; and Kanasugi, Mikiko, 4,839,334, Cl. 503-221.000.

Kikkawa, Kazuhiro: *See—*

Nakamura, Hideo; Miura, Toshiharu; and Kikkawa, Kazuhiro, 4,821,753, Cl. 134-59.000.

Kikkawa, Sadanobu: *See—*

Morimitsu, Toshihiko; Kikkawa, Sadanobu; and Omura, Takashi, 4,837,310, Cl. 534-638.000.

Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, 4,841,032, Cl. 534-642.000.

Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, 4,841,033, Cl. 534-642.000.

Omura, Takashi; Kikkawa, Sadanobu; Morimitsu, Toshihiko; Harada, Naoki; and Miyamoto, Tetsuya, 4,873,321, Cl. 534-642.000.

Kikkawa, Steven. Injury resistant needle and blood collection tube holder. 4,871,355, 10-3-89, Cl. 604-198.000.

Kikkawa, Takamaro, to NEC Corporation. Integrated circuit device with an improved interconnection line. 4,816,895, 3-28-89, Cl. 357-71.000.

Kikkoman Corporation: *See—*

Akao, Takeshi; Sakai, Morihiko; Ohsaki, Katsumichi; and Yamada, Muneki, 4,851,115, Cl. 210-189.000.

Ariga, Toshiaki; Koshiyama, Ikunori; and Fukushima, Danji, 4,797,421, Cl. 514-844.000.

Hashimoto, Hikotaka; and Kobayashi, Kunio, 4,888,190, Cl. 426-231.000.

Iwasaki, Atsushi; Ohta, Hideaki; Oda, Katsumi; Tsukada, Naoshi; and Sekine, Kiyoshi, 4,848,678, Cl. 241-65.000.

Motai, Hiroshi; Fukushima, Yaichi; Osaki, Katsumichi; Okamura, Katutoshi; and Imai, Kazutaka, 4,797,358, Cl. 435-176.000.

Tsuji, Ryohei; and Takahashi, Mitsuo, 4,851,241, Cl. 426-56.000.

Kiko, Frederick J.; and Kummer, George. Channel unit interface circuit. 4,852,160, 7-25-89, Cl. 379-405.000.

Kikuchi, Akio, to Nifco, Inc. Fastener for fastening elongate object. 4,840,334, 6-20-89, Cl. 248-73.000.

Kikuchi, Akira: *See—*

Yoshizawa, Masahiro; Kikuchi, Akira; Wada, Kou; Fujinami, Minpei; and Shimazu, Nobuo, 4,851,768, Cl. 324-158.00R.

Kikuchi, Atsushi: *See—*

Kuragano, Tetsuzo; and Kikuchi, Atsushi, 4,819,192, Cl. 364-522.000.

Nishimura, Toshimichi; and Kikuchi, Atsushi, 4,803,650, Cl. 364-825.000.

Kikuchi, Eiichi: *See—*

Deya, Eiki; Yanahira, Shuichi; Abiko, Kenkichi; and Kikuchi, Eiichi, 4,873,229, Cl. 514-54.000.

Kikuchi, Eiji: *See—*

Ichinose, Kiyohiro; Toyama, Niichi; Yamamoto, Tohru; Kikuchi, Eiji; and Fukuda, Masao, 4,830,882, Cl. 427-421.000.

Kikuchi, Hidehiko: *See—*

Mose, Tadao; Hirata, Akio; Saito, Suzuo; and Kikuchi, Hidehiko, 4,818,890, Cl. 290-52.000.

Kikuchi, Hideo; Tsutsumi, Sadao; and Kaneko, Akira, to Fujitsu Limited. Method of logic design of integrated circuit. 4,823,278, 4-18-89, Cl. 364-491.000.

Kikuchi, Hideya; and Ikeuchi, Hiroshi, to Diesel Kiki Co., Ltd. Burglarproof system for automotive vehicles. 4,855,710, 8-8-89, Cl. 340-426.000.

Kikuchi, Hideya: *See—*

Aoki, Hachiro; Kobayashi, Tadashi; Kuronuma, Junya; and Kikuchi, Hideya, 4,881,926, Cl. 474-25.000.

Kikuchi, Hiroaki; Asano, Kenichi; Tanno, Okikazu; and Goda, Naofumi, to Mitsubishi Denki Kabushiki Kaisha. Method and apparatus for encoding transmitting and receiving image by pulse code modulation. 4,809,067, 2-28-89, Cl. 358-135.000.

Kikuchi, Hiroaki: *See—*

Hashimoto, Hideo; Kuroda, Hideo; Kikuchi, Hiroaki; and Murakami, Tokumichi, 4,811,265, Cl. 364-730.000.

Kubo, Tsutomu; Asano, Kenichi; Kikuchi, Hiroaki; and Suzuki, Mitsuyoshi, 4,837,632, Cl. 358-222.000.

Kikuchi, Hiroshi; and Itaya, Takashi, to Oki Electric Industry Co., Ltd. Continuous sheet guide mechanism. 4,815,877, 3-28-89, Cl. 400-616.100.

Kikuchi, Hiroshi; Watanabe, Shyoichi; and Ohta, Yukio, to Oki Electric Industry Co., Ltd. Printer with improved pinch roller actuating mechanism. 4,830,527, 5-16-89, Cl. 400-637.200.

Kikuchi, Hiroshi; Tanuma, Jiro; Obara, Kazuki; and Yoshida, Kazuyoshi, to Oki Electric Industry Co., Ltd. Thermal transfer recording device. 4,851,861, 7-25-89, Cl. 346-76.0PH.

Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; Uchida, Takao; and Asaka, Toshiyuki, to Oki Electric Industry Co., Ltd. IC card connecting mechanism. 4,857,005, 8-15-89, Cl. 439-140.000.

Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; and Asaka, Toshiyuki, to Oki Electric Industry Co., Ltd. Wire-dot printing head with adjustable spring force. 4,869,605, 9-26-89, Cl. 400-124.000.

Kikuchi, Hiroshi: *See—*

Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.

Kojima, Seiji; Ikeda, Masakiyo; Kikuchi, Hiroshi; and Kashiwayanagi, Yuzo, 4,798,743, Cl. 427-255.000.

Mizutani, Minoru; Hayashi, Kuniharu; Kikuchi, Hiroshi; and Chiba, Naoki, 4,823,038, Cl. 310-257.000.

Kikuchi, Hitoshi: *See—*

Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,593, Cl. 65-18.400.

Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,594, Cl. 65-18.400.

Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,595, Cl. 65-18.400.

Kikuchi, Jun: *See—*

Fujii, Toshifumi; and Kikuchi, Jun, 4,809,097, Cl. 360-9.100.

Kikuchi, Junji: *See—*

Kawai, Osatomi; and Kikuchi, Junji, 4,867,053, Cl. 100-26.000.

Kikuchi, Juro, to Olympus Optical Co., Ltd. Zoom finder. 4,812,023, 3-14-89, Cl. 350-427.000.

Kikuchi, Juro, to Olympus Optical Co., Ltd. Zoom view finder. 4,854,680, 8-8-89, Cl. 350-423.000.

Kikuchi, Juro: *See—*

Aoki, Norihiko; and Kikuchi, Juro, 4,883,346, Cl. 350-423.000.

Kikuchi, Kaoru: *See—*

Yamamoto, Isao; Iida, Akio; and Kikuchi, Kaoru, 4,846,643, Cl. 425-7.000.

Kikuchi, Katsuaki: *See—*

Nakamura, Tomio; Kikuchi, Katsuaki; and Inagaki, Takeshi, 4,797,184, Cl. 204-59.00R.

Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.

Kikuchi, Katsuji, to Nitto Kohki Co., Ltd. Biasing force adjusting apparatus for electromagnetically driven reciprocating pump. 4,838,771, 6-13-89, Cl. 417-417.000.

Kikuchi, Katsuji; Nakao, Haruki; and Mori, Tamotsu, to Nitto Kohki Co., Ltd. Electromagnetically reciprocating apparatus with adjustable bounce chamber. 4,854,833, 8-8-89, Cl. 417-417.000.

Kikuchi, Katsumi: *See—*

Okabe, Yoshimi; and Kikuchi, Katsumi, 4,856,353, Cl. 73-865.800.

Kikuchi, Katsuya; and Kato, Haruo, to Kabushiki Kaisha Toshiba. Color image processing system. 4,819,077, 4-4-89, Cl. 358-98.000.

Kikuchi, Katsuya, to Kabushiki Kaisha Toshiba. X-ray diagnostic apparatus. 4,823,370, 4-18-89, Cl. 378-99.000.

Kikuchi, Kazuo, to Alps Electric Co., Ltd. Portable image scanner having movement detection means and a window for transmitting light to the viewer. 4,847,484, 7-11-89, Cl. 250-221.000.

Kikuchi, Kazuo: *See—*

Suzuki, Motoyuki; and Kikuchi, Kazuo, 4,800,444, Cl. 358-294.000.

Kikuchi, Kazuto, to Sanden Corporation. Coupling mechanism for a compressor. 4,859,156, 8-22-89, Cl. 417-319.000.

Kikuchi, Keiichi: *See—*

Tanaka, Noriatsu; Tokunaga, Masami; Tanaka, Tsuyoshi; Koyama, Satoshi; and Kikuchi, Keiichi, 4,840,837, Cl. 428-216.000.

Kikuchi, Kenichi; Kawai, Yoshikane; Satou, Makoto; and Ishii, Hakumi, to Toyota Jidosha Kabushiki Kaisha. Rear suspension for vehicle. 4,832,364, 5-23-89, Cl. 280-690.000.

Kikuchi, Kenichi, to Olympus Optical Co., Ltd. Electronic endoscope apparatus having isolated patient and secondary circuitry. 4,853,772, 8-1-89, Cl. 358-98.000.

Kikuchi, Kenichi: *See*—

- Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.
- Kimura, Kenji; and Kikuchi, Kenichi, 4,845,554, Cl. 358-98.000.
- Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.
- Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
- Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.

Kikuchi, Kiyoji, to Kabushiki Kaisha Toshiba. Automatic sheet feeder movable between active and inactive positions. 4,854,757, 8-8-89, Cl. 400-605.000.

Kikuchi, Kiyoshi; and Mori, Akio, to Kabushiki Kaisha Toshiba. Computer system with multiwindow presentation manager. 4,819,189, 4-4-89, Cl. 364-521.000.

Kikuchi, Koji; Matsumi, Takatomo; and Takimoto, Kazutoshi, to Sharp Kabushiki Kaisha. Progress indicator for a washing machine. 4,803,854, 2-14-89, Cl. 68-12.00R.

Kikuchi, Kosuke, to Kabushiki Kaisha Teisan Industries. Die casting apparatus. 4,844,146, 7-4-89, Cl. 164-154.000.

Kikuchi, Kousuke: *See*—

- Ban, Keisuke; Sato, Masakazu; Fujito, Bakugo; and Kikuchi, Kousuke, 4,884,621, Cl. 164-4.100.

Kikuchi, Kunio: *See*—

- Katsumoto, Takehiko; and Kikuchi, Kunio, 4,798,517, Cl. 415-131.000.

Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, to Tokyo Keiki Co., Ltd. Applicator for use in hyperthermia. 4,841,989, 6-27-89, Cl. 128-804.000.

Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, to Tokyo Keiki Co., Ltd. Applicator for use in hyperthermia. 4,841,990, 6-27-89, Cl. 128-804.000.

Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, to Tokyo Keiki Co., Ltd. Heating apparatus for hyperthermia. 4,860,770, 8-29-89, Cl. 128-804.000.

Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, to Tokyo Keiki Co., Ltd. Heating apparatus for hyperthermia. 4,873,995, 10-17-89, Cl. 128-804.000.

Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, to Tokyo Keiki Co. Ltd. Hyperthermia device. 4,884,580, 12-5-89, Cl. 128-804.000.

Kikuchi, Makoto: *See*—

- Mizuno, Hiroko; Kikuchi, Makoto; Tamata, Shin; Izumida, Tatsuo; and Baba, Tsutomu, 4,804,498, Cl. 252-628.000.
- Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,826,621, Cl. 252-299.610.
- Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Takeshita, Fusayuki; Kikuchi, Makoto; and Furukawa, Kenji, 4,882,083, Cl. 252-299.610.
- Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,882,086, Cl. 252-299.610.

Kikuchi, Masakatsu: *See*—

- Nishikawa, Kazuhiro; Kikuchi, Masakatsu; and Shimomura, Masuo, 4,826,239, Cl. 296-218.000.

Kikuchi, Nobuaki; Fukuyama, Hirohisa; Hirabayashi, Tamio; and Imai, Kouichi, to Imai, Kouichi; and Matsushita Electric Works, Limited. Kitchen unit for physically handicapped persons. 4,799,743, 1-24-89, Cl. 312-228.000.

Kikuchi, Nobuaki: *See*—

- Ono, Shuichi; Yahagi, Masahiro; Itagaki, Shuichi; and Kikuchi, Nobuaki, 4,861,736, Cl. 501-137.000.

Kikuchi, Riichi: *See*—

- Takayama, Kazuo; Yabe, Eiji; Takagi, Kenichi; Fukui, Ryota; and Kikuchi, Riichi, 4,841,197, Cl. 315-111.810.

Kikuchi, Rokuro: *See*—

- Tani, Tatsuhiro; Ishiguri, Masaaki; Kikuchi, Rokuro; and Ohyama, Akio, 4,821,412, Cl. 29-882.000.

Kikuchi, Sadatoshi: *See*—

- Yagino, Masamori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, 4,841,120, Cl. 219-216.000.

Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, to Sanden Corporation. Wobble plate compressor with variable displacement mechanism. 4,865,523, 9-12-89, Cl. 417-222.000.

Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, to Sanden Corporation. Wobble plate type compressor with variable displacement mechanism. 4,878,817, 11-7-89, Cl. 417-222.00S.

Kikuchi, Sei: *See*—

- Higuchi, Teruo; Terauchi, Kiyoshi; Takai, Kazuhiko; Kikuchi, Sei; and Kobayashi, Hideto, 4,875,834, Cl. 417-269.000.

Kikuchi, Shinichi: *See*—

- Kato, Hideo; Iwahashi, Hiroshi; Asano, Masamichi; Narita, Akira; and Kikuchi, Shinichi, 4,804,929, Cl. 331-57.000.

Kikuchi, Shoji: *See*—

- Tanigawa, Junichi; and Kikuchi, Shoji, 4,865,553, Cl. 439-31.000.
- Tanigawa, Junichi; and Kikuchi, Shoji, 4,877,409, Cl. 439-31.000.

Kikuchi, Shuichi, to Ricoh Company, Ltd. Small-size zoom lens of widely variable magnification. 4,861,145, 8-29-89, Cl. 350-427.000.

Kikuchi, Shunichi: *See*—

- Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, 4,879,632, Cl. 361-386.000.

Kikuchi, Sumio, to Hitachi, Ltd. Compile method using copy propagation of a variable. 4,843,545, 6-27-89, Cl. 364-300.000.

Kikuchi, Syuichi: *See*—

- Yamamoto, Yoshio; Kikuchi, Syuichi; Nakanishi, Kazuo; and Kawasaki, Yoshihiko, 4,843,811, Cl. 57-281.000.

Kikuchi, Takashi; Amemiya, Naomi; Tsuchida, Masami; Suzuki, Shiro; and Tanabe, Masashi, to Pioneer Electronic Corporation. Program selection for a digital audio disk. 4,817,075, 3-28-89, Cl. 369-47.000.

Kikuchi, Takashi: *See*—

- Noguchi, Takeshi; Kikuchi, Takashi; and Takano, Kazuya, 4,858,733, Cl. 188-267.000.
- Noguchi, Takeshi; Takano, Kazuya; and Kikuchi, Takashi, 4,877,225, Cl. 267-140.100.

Kikuchi, Tatsuro: *See*—

- Nakatani, Seiichi; Yuhaku, Satoru; Okinaka, Hideyuki; Ishida, Toru; Makino, Osamu; and Kikuchi, Tatsuro, 4,863,683, Cl. 419-10.000.

Kikuchi, Tokio: *See*—

- Namiki, Ko; and Kikuchi, Tokio, 4,864,858, Cl. 73-457.000.

Kikuchi, Toshiaki; Kinugawa, Masumi; and Kamai, Kenichurou, to Nippondenso Co., Ltd. Air-Fuel ratio control system for internal combustion engine. 4,805,578, 2-21-89, Cl. 123-489.000.

Kikuchi, Toshiaki; and Mochizuki, Toshihiro, to Murakami Kaimeido Co., Ltd. Actuator unit housing for rearview mirror. 4,815,837, 3-28-89, Cl. 350-637.000.

Kikuchi, Toshihiro: *See*—

- Oishi, Shingo; and Kikuchi, Toshihiro, 4,795,395, Cl. 446-175.000.
- Takiguchi, Takao; Matsumoto, Masakazu; and Kikuchi, Toshihiro, 4,798,777, Cl. 430-59.000.

Kikuchi, Toshitsugu: *See*—

- Fujita, Tsutomu; Togawa, Yoshiaki; Yasui, Seimei; and Kikuchi, Toshitsugu, 4,870,429, Cl. 346-137.000.
- Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.

Kikuchi, Toul: *See*—

- Kojima, Mitsumasa; Saito, Takayuki; Kikuchi, Toul; Uchimura, Shun-ichiro; Satou, Hidetaka; and Makino, Daisuke, 4,847,358, Cl. 528-353.000.

Kikuchi, Uhee: *See*—

- Nozaki, Hiroyoshi; and Kikuchi, Uhee, 4,849,598, Cl. 219-10.410.

Kikuchi, Yasuhiro: *See*—

- Tamura, Gakuzo; Yoda, Koji; Kikuchi, Yasuhiro; and Yamasaki, Makari, 4,849,351, Cl. 435-68.000.

Kikuchi, Yasuo, to Sanden Corporation. Device for protecting a compressor from damage. 4,794,763, 1-3-89, Cl. 62-228.100.

Kikuchi, Yasushi; and Matsuzawa, Hideki, to Fuji Photo Film Co., Ltd. Magnetic disk cleaning method and apparatus. 4,889,564, 12-26-89, Cl. 134-21.000.

Kikuchi, Yukio: *See*—

- Aoki, Kazumi; Kikuchi, Yukio; and Fukui, Tsuyoshi, 4,815,302, Cl. 62-378.000.

Kikuchi, Yushichi: *See*—

- Enjoji, Susumu; Kikuchi, Yushichi; and Hara, Kiyoshi, 4,807,634, Cl. 128-660.010.
- Machida, Kaoru; Suzuki, Akifumi; Kikuchi, Yushichi; and Takano, Masayuki, 4,794,930, Cl. 128-662.030.
- Machida, Kaoru; Suzuki, Akifumi; Takano, Masayuki; and Kikuchi, Yushichi, 4,867,169, Cl. 128-662.030.

Kikuchi, Yutaka; Nagashima, Nao; and Kiso, Junko, to Canon Kabushiki Kaisha. Image processing apparatus. 4,807,044, 2-21-89, Cl. 358-280.000.

Kikuchi, Yutaka: *See*—

- Endo, Noboru; Kikuchi, Yutaka; Yamatsuta, Kiichi; and Goto, Shoji, 4,822,525, Cl. 252-629.000.
- Ishikawa, Tadashi; and Kikuchi, Yutaka, 4,838,534, Cl. 271-10.000.

Kikuda, Shigeru; and Miyamoto, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Dynamic random access memory having storage gate electrode grounding means. 4,879,679, 11-7-89, Cl. 365-149.000.

Kikui, Hitoshi: *See*—

- Okumura, Takuzo; Okada, Toyokazu; and Kikui, Hitoshi, 4,803,014, Cl. 252-585.000.
- Okumura, Takuzo; Okada, Toyokazu; and Kikui, Hitoshi, 4,859,039, Cl. 350-398.000.

Kikukawa, Hiroyasu; Shimoda, Eiji; Sakai, Mari; and Kitada, Fumiko. Process for selectively separating gaseous mixtures containing water vapor. 4,875,908, 10-24-89, Cl. 55-16.000.

Kikukawa, Hiroyuki: *See*—

- Kurokawa, Yuji; Yoshikawa, Masataka; Kato, Takao; Kikukawa, Hiroyuki; and Muto, Yukiyoshi, 4,804,280, Cl. 400-17.000.
- Kurokawa, Yuji; Kikukawa, Hiroyuki; Shimizu, Hiroshi; and Inagi, Tsutomu, 4,849,908, Cl. 364-518.000.

Kikukawa, Kenji: *See*—

- Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.

Kikukawa, Takesi: *See*—

- Omura, Yutaka; and Kikukawa, Takesi, 4,831,253, Cl. 250-229.000.

Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Camera system with plural interchangeable accessories sharing a common serial data bus. 4,816,853, 3-28-89, Cl. 354-412.000.

Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Camera system. 4,878,751, 11-7-89, Cl. 354-410.000.

Kikukawa, Yoshiiku: *See*—

- Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,855, Cl. 354-415.000.
- Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,884,094, Cl. 354-412.000.

Kikumoto, Ryoji: *See*—

- Tobe, Akihiro; Fujimori, Shinichiro; Yamazaki, Tomoshi; Sugano, Mamoru; Kikumoto, Ryoji; and Nitta, Issei, 4,814,507, Cl. 564-336.000.

Kikunaga, Shoji: *See*—

- Katoh, Hiroshi; Taguchi, Hiromi; and Kikunaga, Shoji, 4,890,177, Cl. 360-107.000.

Kikuno, Mitsutoyo; Hirono, Tatsuo; Nakashima, Yoshihiro; and Yoshino, Hirobumi, to Ricoh Company, Ltd. Copying system having copying and service program modes. 4,799,081, 1-17-89, Cl. 355-14.00C.

Kikuta, Hiroshi: *See*—

- Fukumori, Kunihiko; and Kikuta, Hiroshi, 4,853,269, Cl. 428-43.000.

Kikuta, Junji; Kudo, Masayuki; Yamagata, Tetsuo; and Nakajima, Yoshiyuki, to Honda Giken Kogyo Kabushiki Kaisha. Constant vehicle speed retaining device for motorcycle. 4,848,502, 7-18-89, Cl. 180-179.000.

Kikuta, Mitsuhiro: *See*—

- Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kanai, Makoto, 4,868,355, Cl. 200-61.540.

Kikuta, Shigeru, to Hirose Electric Co., Ltd. Surface mount type electrical connector. 4,802,860, 2-7-89, Cl. 439-79.000.

Kikuta, Toshio: *See*—

- Yoshida, Seikoh; Kikuta, Toshio; and Kashiwayanagi, Yuzo, 4,853,066, Cl. 156-616.400.

Kikuta, Yoshikazu: *See*—

- Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, 4,803,138, Cl. 429-194.000.

Kikuya, Satoshi: *See*—

- Konishi, Akio; Kikuya, Satoshi; Zaitsu, Osamu; and Yoshio, Hideaki, 4,803,574, Cl. 360-85.000.
- Zaitsu, Osamu; and Kikuya, Satoshi, 4,807,077, Cl. 360-132.000.

Kikuyama, Hirohisa: *See*—

- Ohmi, Tadahiro; Miki, Nobuhiro; and Kikuyama, Hirohisa, 4,795,582, Cl. 252-79.300.

Kilb, Manfred; and Degen, Klaus D., to Christoph Emmerich GmbH & Co. KG. Closed gastight battery, in particular nickel-cadmium. 4,882,242, 11-21-89, Cl. 429-154.000.

Kilbane, Farrell M.; and Dunbar, F. Curtiss, to Armco Inc. Oxidation resistant ferrous base foil. 4,797,329, 1-10-89, Cl. 428-623.000.

Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C.; and Gibson, Alan F., to Armco Inc. Hot dip aluminum coated chromium alloy steel. 4,800,135, 1-24-89, Cl. 428-653.000.

Kilbane, Farrell M.; Coleman, Richard A.; Dunbar, Frank C.; and Gibson, Alan F., to Armco Inc. Hot dip aluminum coated chromium alloy steel. 4,883,723, 11-28-89, Cl. 428-653.000.

Kilbarger, James E. Continuous brine leakage monitoring system for a production oil well. 4,848,456, 7-18-89, Cl. 166-113.000.

Kilbride, Cuthbert J., to Canray Incorporated. Heating panel assembly. 4,880,394, 11-14-89, Cl. 439-404.000.

Kilburg, Francis J.: *See*—

- Tsao, Chich-Hsing A.; Hwang, Yeongming; Kilburg, Francis J.; and Dietrich, Fred J., 4,847,625, Cl. 343-700.0MS.

Kildegaard, Ejvind: *See*—

- Haumann, Klaus; and Kildegaard, Ejvind, 4,888,855, Cl. 17-1.00A.

Kile, Edwin N.; Irwin, Gary W.; and Hartness, Samuel S., to Kile Technology Corporation. Line regulated ballast circuit. 4,862,039, 8-29-89, Cl. 315-194.000.

Kile Technology Corporation: *See*—

- Kile, Edwin N.; Irwin, Gary W.; and Hartness, Samuel S., 4,862,039, Cl. 315-194.000.

Kile, Walter F.; and Dickinson, Edwin L. Measurement method and apparatus. 4,864,731, 9-12-89, Cl. 33-832.000.

Kilham, Peter. Bendable coiled wire bird perch. 4,841,910, 6-27-89, Cl. 119-26.000.

Kilham, Peter. Bendable coiled wire bird perch assembly. 4,846,111, 7-11-89, Cl. 119-51.00R.

Kilian, Karl-Heinz: *See*—

- Bersch, Horst; Kilian, Karl-Heinz; and Weigel, Hans U., 4,855,021, Cl. 204-28.000.

Kilim, Rafael. Mould sets for plastics moulding machines. 4,888,252, 12-19-89, Cl. 428-582.000.

Kilk, Erik; Smith, David A.; and Schmidt, Alan W., to Hewlett-Packard Company. Method and apparatus for aiding manual instrument settings by displaying estimates of future measurement results. 4,890,236, 12-26-89, Cl. 364-485.000.

Killa, Marlene C., to Ecolab Inc. Solid cast warewashing composition and process for preparing the same. 4,846,989, 7-11-89, Cl. 252-99.000.

Killat, George R.; and Tomalia, Donald A., to Dow Chemical Company, The. Ion exchange/chelation resins containing dense star polymers having ion exchange or chelate capabilities. 4,871,779, 10-3-89, Cl. 521-28.000.

Killat, George R.: *See*—

- Robbins, Lanny A.; and Killat, George R., 4,808,350, Cl. 261-96.000.

Killat, Ulrich R. P.: *See*—

- Kruger, Johann E. W.; Killat, Ulrich R. P.; and Jasmer, Wolfgang E., 4,868,812, Cl. 370-56.000.

Killermann, Otmar: *See*—

- Schulze, Joachim; Adler, Klaus; Selig, Manfred; Bail, Peter; Marquardt, Klaus; Killermann, Otmar; and Hannebaum, Manfred, 4,859,751, Cl. 526-200.000.

Killestijn, Cornelis, to Skillpack B.V. Closing device for a holder and diaphragm for such a device. 4,798,302, 1-17-89, Cl. 215-271.000.

Killgoar, Paul C., Jr.: *See*—

- Theodore, Ares N.; and Killgoar, Paul C., Jr., 4,853,428, Cl. 524-49.000.
- Theodore, Ares N.; and Killgoar, Paul C., Jr., 4,861,819, Cl. 524-491.000.

Killian, Edmund F.; and Berliner, Wallace H., to Waldes Truarc, Inc. Method and apparatus for making a bowed external spring retaining ring of the E-shaped type. 4,798,075, 1-17-89, Cl. 72-327.000.

Killian, Edmund F.; and Berliner, Wallace H., to Waldes Truarc, Inc. Bowed external spring retaining ring of the E-shaped type. 4,886,408, 12-12-89, Cl. 411-519.000.

Killian, Friedrich, to Audi AG. Wheel suspension for steered wheels of motor vehicles. 4,863,188, 9-5-89, Cl. 280-675.000.

Killian, Henry R., to Conbraco Industries, Inc. Apparatus for coupling a valve and rotary actuator. 4,887,634, 12-19-89, Cl. 137-315.000.

Killian, Kevin M., to Allied-Signal Inc. Fiber optic accelerometer using closed feedback relation to vary pathlength. 4,876,447, 10-24-89, Cl. 250-227.000.

Killian, Thomas M.; and Wisneski, Tony J., to Kimberly-Clark Corporation. Composite elastomeric polyether block amide nonwoven web. 4,820,572, 4-11-89, Cl. 428-227.000.

Killilea, William R.: *See*—

- Hong, Glenn T.; Killilea, William R.; and Thomason, Terry B., 4,822,497, Cl. 210-721.000.

Killinger, Bernd, to Komet Stahlhalter- und Werkzeugfabrik Robert Breuning GmbH. Drilling tool for drilling in solid metal material, in particular for drilling in plate stacks. 4,889,456, 12-26-89, Cl. 408-224.000.

Killingstad, Tore, to A/S Grorud Jernvarefabrik. Screw operated ajustably positioned hinge leaf. 4,825,507, 5-2-89, Cl. 16-241.000.

Killion, Mead C., to Etymotic Research, Inc. Earplug with improved audibility. 4,852,683, 8-1-89, Cl. 181-130.000.

Killion, Robert F.: *See*—

- Wolfe, Michael J.; and Killion, Robert F., 4,812,265, Cl. 261-70.000.

Killon Extruders, Inc.: *See*—

- Luker, Keith W., 4,828,780, Cl. 264-171.000.

Killop, James T., to Anderson-Cook, Inc. Method and apparatus for cold sizing a round workpiece having multiple diameters. 4,829,800, 5-16-89, Cl. 72-108.000.

Killop, James T.; and Anderson, Carl E., to Anderson-Cook, Inc. Rack assembly for forming splines in thin-wall member. 4,852,375, 8-1-89, Cl. 72-88.000.

Killough, Dorothy. Baby recreational floating device. 4,799,910, 1-24-89, Cl. 441-131.000.

Killpatrick, Joseph E.; and Sanders, Glen A. Readout apparatus for a laser angular rate sensor. 4,871,253, 10-3-89, Cl. 356-350.000.

Killpatrick, Joseph E.: *See*—

- Callaghan, Stephen P.; Killpatrick, Joseph E.; and Sewell, Wesley C., 4,826,320, Cl. 356-350.000.

Killus, Martin: *See*—

- Stoll, Thomas; Killus, Martin; and Mak, Gerd, 4,856,104, Cl. 364-470.000.

Kilmer, Dan L.: *See*—

- Levy, Lloyd; and Kilmer, Dan L., 4,796,122, Cl. 360-98.010.
- Levy, Lloyd; Kilmer, Dan L.; and Maher, Kevin P., 4,797,762, Cl. 360-99.060.
- Levy, Lloyd; Warner, Michael W.; and Kilmer, Dan L., 4,797,763, Cl. 360-104.000.

Kilminster, Kenneth N.: *See*—

- Hoke, David; and Kilminster, Kenneth N., 4,849,328, Cl. 430-553.000.
- Krishnamurthy, Sundaram; Johnston, Brian H.; Kilminster, Kenneth N.; Vogel, David C.; and Buckland, Paul R., 4,853,319, Cl. 430-387.000.

Kilo-Wate, Inc.: *See*—

- Snead, Edwin DeS., 4,800,972, Cl. 177-163.000.

Kilo-Watt-Ch-Dog, Inc.: *See—*
Pertessis, John; and Knauer, Joseph, 4,804,901, Cl. 318-786.000.

Kilpatrick, William. Multi-tip pen and holder. 4,826,338, 5-2-89, Cl. 401-35.000.

Kilper, John J., to Alvey, Inc. Chain lubricator. 4,877,111, 10-31-89, Cl. 184-15.100.

Kilwin, Thomas C., to Unidynamics Corporation. Internal overload clutch assembly. 4,828,095, 5-9-89, Cl. 192-150.000.

Kim, Bang M.; and Giles, Harold F., Jr., to General Electric Company. Reinforced composite and method of manufacture. 4,859,524, 8-22-89, Cl. 428-236.000.

Kim, Bong J.: *See—*
Chang, Moon H.; Kim, Bong J.; Kim, Sung K.; and Kim, Woan J., 4,835,267, Cl. 540-226.000.

Kim, Bonggi: *See—*
Us, Natasha; Kim, Bonggi; and Berg, John E., 4,824,803, Cl. 437-192.000.

Kim, Boris F.; and Bohandy, Joseph, to Johns Hopkins University, The. Image classifier. 4,799,270, 1-17-89, Cl. 382-27.000.

Kim, Boris F.; Bohandy, Joseph; Moorjani, Kishin; and Adrian, Frank J., to Johns Hopkins University, The. Novel technique using magnetic field dependent phase detection for detection of superconductivity. 4,851,762, 7-25-89, Cl. 324-71.600.

Kim, Byoung-Chul: *See—*
Kim, Kwang-Ung; Kim, Byoung-Chul; and Hong, Soon-Man, 4,886,837, Cl. 521-85.000.

Kim, Byoung Y.; Sorin, Wayne V.; and Shaw, Herbert J., to Leland Stanford Junior University, The Board of Trustees of the. Fiber optic mode selector. 4,828,350, 5-9-89, Cl. 350-96.150.

Kim, Byoung Y.; Shaw, Herbert J.; Engan, Helege E.; and Blake, James N., to Leland Stanford Junior University, The Board of Trustees of the. Fiber optic inter-mode coupling single side band frequency shifter. 4,832,437, 5-23-89, Cl. 350-96.150.

Kim, Byoung Y.; and Shaw, Herbert J., to Leland Stanford Junior University, The Board of Trustees of the. Phase reading fiber optic interferometer. 4,836,676, 6-6-89, Cl. 356-350.000.

Kim, Byoung Y.; Carrara, Sidney L. A.; and Shaw, Herbert J., to Leland Stanford Junior University, The Board of Trustees of the. Fiber optic rotation sensor utilizing high birefringence fiber and having reduced intensity type phase errors. 4,881,817, 11-21-89, Cl. 356-350.000.

Kim, Byung N. Barbecue cooker with smoke and collection system. 4,827,903, 5-9-89, Cl. 126-299.00R.

Kim, Byung Y.; Jung, Tae S.; and Hwang, Sang K., to SamSung Electronics Co., Ltd. Precharge circuit for use in a semiconductor memory device. 4,852,064, 7-25-89, Cl. 365-203.000.

Kim, Byung-Youn; Park, Yong-Bo; and Jung, Tae-Sung, to Samsung Electronics Co., Ltd. CMOS input buffer stable for the variation of a power supplying voltage. 4,890,051, 12-26-89, Cl. 323-313.000.

Kim, Chang D.: *See—*
Biber, Herbert E.; Kim, Chang D.; and Pfister, Larry E., 4,822,457, Cl. 204-28.000.

Kim, Charles C. Self-sealing nozzle. 4,846,378, 7-11-89, Cl. 222-479.000.

Kim, Chi-Woo: *See—*
Thompson, James C.; Even, Uzi J.; and Kim, Chi-Woo, 4,839,511, Cl. 250-211.00R.

Kim, Chul-Jin: *See—*
Song, Dong-Il; Kim, Chul-Jin; and Min, Byung-Min, 4,831,435, Cl. 358-140.000.

Kim, Daniel S. Y. Dental measuring instrument. 4,843,720, 7-4-89, Cl. 33-812.000.

Kim, Dong H., to American Home Products Corporation. 2,3,11,12-substituted-5,6,8,9,14,14a-hexahydroisoquino-[1,2-b][3]benzazepines. 4,849,420, 7-18-89, Cl. 514-214.000.

Kim, Dongsung R.; and Kronies, Reinhard K., to Unisys Corporation. Specialized parity detection system for wide memory structure. 4,809,278, 2-28-89, Cl. 371-51.000.

Kim, Dongsung R.; and Kronies, Reinhard K., to Unisys Corporation. Enhanced parity detection for wide ROM/PROM memory structure. 4,809,279, 2-28-89, Cl. 371-51.000.

Kim, Douglas S. T.: *See—*
Chun-Hoi, Lo; and Kim, Douglas S. T., 4,824,416, Cl. 446-298.000.

Kim, Du H.: *See—*
Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seog C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.

Kim, Ernest M.; and Peter, Jack, to Tacan Corporation. Two spherical lens optical coupler. 4,842,391, 6-27-89, Cl. 350-96.180.

Kim, Eun S.: *See—*
Muller, Richard S.; and Kim, Eun S., 4,816,125, Cl. 204-192.180.

Kim, Gil H.: *See—*
Hwang, Ki J.; Gong, Yeong D.; and Kim, Gil H., 4,822,779, Cl. 514-94.000.

Kim, Gil-Soon, to Samsung Electron Devices Co., Ltd. Computer monitor. 4,847,539, 7-11-89, Cl. 315-383.000.

Kim, Hae J., to KMB Industries, Corp. Photograph keeping box. 4,854,464, 8-8-89, Cl. 220-22.000.

Kim, Hak M.: *See—*
Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seog C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.

Kim, Han J.: *See—*
Wingert, Philip C.; Brecher, Charles; Kim, Han J.; and Kang, Shinhoo, 4,817,695, Cl. 148-431.000.

Kim, Heung-Tai, to B. F. Goodrich Company, The. Feed unit for an extruder. 4,863,366, 9-5-89, Cl. 425-376.100.

Kim, Hong C.: *See—*
Bristowe, William W.; and Kim, Hong C., 4,816,526, Cl. 525-422.000.

Kim, Hongzoon; Saunders, Edward C.; and Miller, Harris, to Olin Hun Specialty Products Inc. Color developer composition. 4,882,264, 11-21-89, Cl. 430-467.000.

Kim, Hyun S., to Airway Industries, Inc. Garment carrier. 4,825,985, 5-2-89, Cl. 190-111.000.

Kim, Hyung B.: *See—*
O'Sullivan, Maurice S.; Kim, Hyung B.; So, Vincent C.; and Vella, Paul J., 4,859,018, Cl. 350-96.160.

Kim, Hyung S.: *See—*
Cecchi, Delbert R.; Kim, Hyung S.; Mitby, John S.; Swan, David P.; Stanisic, Balsha R.; and Wu, Philip T., 4,866,308, Cl. 307-475.000.

Kim, Hyunsoo: *See—*
Marshek, Kurt M.; and Kim, Hyunsoo, 4,841,783, Cl. 73-862.490.

Kim, Il Y. Plastic pan assembly for use in air conditioners and refrigerators. 4,823,558, 4-25-89, Cl. 62-272.000.

Kim, Il Y. Plastic pan assembly for use in air conditioners and refrigerators. 4,862,704, 9-5-89, Cl. 62-272.000.

Kim, Il Y. Drainage pan for liquid waste containers. 4,862,909, 9-5-89, Cl. 137-150.000.

Kim, Il Y. Trash container to be chemical sprayed. 4,872,585, 10-10-89, Cl. 220-334.000.

Kim, Ilyoung: *See—*
Hechtman, Charles D.; and Kim, Ilyoung, 4,795,920, Cl. 307-270.000.

Kim, In; and Kim, Seo. Colloid-active synthetic detergent and process for its manufacture. 4,865,773, 9-12-89, Cl. 252-548.000.

Kim, In O.; and Lee, Sang G., to Korea Advanced Institute of Science and Technology. Process for the preparation of 3-(4'-bromobiphenyl-4-yl)tetralin-1-one. 4,873,363, 10-10-89, Cl. 568-319.000.

Kim, In S. Method for winding coils of single-phase induction electromotor. 4,807,821, 2-28-89, Cl. 242-7.030.

Kim, In S. Overload relay with adjustable threshold indicator. 4,879,626, 11-7-89, Cl. 361-93.000.

Kim, In Suk. Arc-free electromagnetic contactor. 4,802,051, 1-31-89, Cl. 361-13.000.

Kim, Jae S.: *See—*
Dyck, Rudolph H.; and Kim, Jae S., 4,876,586, Cl. 357-30.000.

Kim, Jae W. Fire-resistant material, noncombustible material for treating interior building material and processes for their production. 4,810,741, 3-[illegible]-89, Cl. 524-405.000.

Kim, Jin H., to Siemens Medical Laboratories, Inc. Doppler velocity processing method and apparatus. 4,800,891, 1-31-89, Cl. 128-661.090.

Kim, Jin-Seak, to Samsung Electronics Co., Ltd. Speaking fire alarm system. 4,816,809, 3-28-89, Cl. 340-692.000.

Kim, Jong-ahn: *See—*
Ahn, Jung-ku; Kim, Jong-ahn; Paik, Jong-Kwan; and Gong, Hee Chul, 4,870,507, Cl. 358-316.000.

Kim, Jong H., to Gold Star Co., Ltd. Picture stabilizing circuit for generating a forced synchronizing signal. 4,849,830, 7-18-89, Cl. 360-10.100.

Kim, Jongchol: *See—*
Wellinga, Peter; and Kim, Jongchol, 4,828,864, Cl. 426-550.000.

Kim, Jung B.: *See—*
Choi, Tai J., 4,802,435, Cl. 114-360.000.

Kim, Jung W. Apparatus for keeping a spare car key in a fuel tank cap. 4,829,796, 5-16-89, Cl. 70-168.000.

Kim, Keum M., to Daewoo Electronics Co., Ltd. Oil feeding means incorporated in a horizontal type rotary compressor. 4,828,446, 5-9-89, Cl. 418-88.000.

Kim, Klim A.: *See—*
Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Anyt At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.

Kim, Kwan Y.; Lee, Yee; and Belt, James S., to Owens-Corning Fiberglas Corporation. Method and apparatus for heating mineral fibers. 4,831,746, 5-23-89, Cl. 34-23.000.

Kim, Kwang-Shick. Shovel for placer mining. 4,822,090, 4-18-89, Cl. 294-49.000.

Kim, Kwang-Ung; Kim, Byoung-Chul; and Hong, Soon-Man, to Korea Advanced Institute of Science & Technology. Process for preparing rigid polyvinyl chloride stractured foams having superior surface characteristics. 4,886,837, 12-12-89, Cl. 521-85.000.

Kim, Kyoung S., to Upjohn Company, The. Novel beta-lactams containing amino acid substituents. 4,883,869, 11-28-89, Cl. 540-355.000.

Kim, Kyung-Hee. Music candle. 4,804,323, 2-14-89, Cl. 431-253.000.

Kim, Kyungshik; and Wilkinson, Owen, to Anelva Corporation. Discharge reaction apparatus utilizing dynamic magnetic field. 4,829,215, 5-9-89, Cl. 315-111.410.

Kim, Kyusik. Induction lift flying saucer. 4,824,048, 4-25-89, Cl. 244-12.200.

Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., to General Electric Company. Method of making mo/tiw or w/tiw ohmic contacts to silicon. 4,845,050, 7-4-89, Cl. 437-192.000.

Kim, Manjin J.; Griffing, Bruce F.; Wilson, Ronald H.; Williams, Arlene G.; and Stoli, Robert W., to General Electric Company. Active area planarization with self-aligned contacts. 4,849,377, 7-18-89, Cl. 437-228.000.

Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., to General Electric Company. Ohmic contacts and interconnects to silicon and method of making same. 4,871,617, 10-3-89, Cl. 428-450.000.

Kim, Mark S.; and Berge, Gary L., to Williams Electronics Games, Inc. Two and four position target assembly. 4,822,046, 4-18-89, Cl. 273-127.00R.

Kim, Mee S.: *See—*
Kim, Yun S.; and Kim, Mee S., 4,868,942, Cl. 7-164.000.

Kim, Michelle Y.: *See—*
Dahan, Yitzhak; and Kim, Michelle Y., 4,862,411, Cl. 364-952.000.

Kim, Myeong S. Handle assembly for a cooking container. 4,794,666, 1-3-89, Cl. 16-114.00A.

Kim, Myun H. Tear strip opening device. 4,795,035, 1-3-89, Cl. 206-616.000.

Kim, Myun H. Container with an opening device comprising a guide strip and tear band. 4,877,139, 10-31-89, Cl. 206-617.000.

Kim, Myung S.; Kang, Hyun S.; Lim, Soon K.; and Park, Hee K., to Samsung Semiconductor & Telecommunication Co., Ltd. Fabrication method of bipolar transistor. 4,874,712, 10-17-89, Cl. 437-31.000.

Kim, Nam H.; and Hawks, Timothy, to Precision Navigation, Incorporated. Digital compass and magnetometer having a sensor coil wound on a high permeability isotropic core. 4,851,775, 7-25-89, Cl. 324-247.000.

Kim, Noshik, to Bell Communications Research, Inc. Adaptive concentration communication network ISDN access. 4,821,264, 4-11-89, Cl. 370-110.100.

Kim, Oh-Kil, to United States of America, Navy. Conductive polymers of transition-metal complexes coordinated by a diamino-dichalcogenbenzene compound. 4,861,859, 8-29-89, Cl. 528-210.000.

Kim, Peter: *See—*
Covington, John B.; Marriott, Vic B.; Venable, Larry G.; and Kim, Peter, 4,816,380, Cl. 430-311.000.

Kim, Raymond K., to Babcock & Wilcox Company, The. Pulverized coal flow control system. 4,830,287, 5-16-89, Cl. 241-19.000.

Kim, See W. Arm-bending apparatus for toys. 4,810,227, 3-7-89, Cl. 446-354.000.

Kim, Sai H.: *See—*
Choi, Tai J., 4,802,435, Cl. 114-360.000.

Kim, Sang H. Vacuum advance regulator for a spark ignition engine. 4,796,585, 1-10-89, Cl. 123-409.000.

Kim, Sang H.: *See—*
Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seog C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.

Kim, Sang U., to Intel Corporation. Signature analysis technique for defect characterization of CMOS static RAM cell failures. 4,835,458, 5-30-89, Cl. 324-73.00R.

Kim, Sang U.; and Khan, Mohammad K., to Intel Corporation. Novel technique to detect oxydonor generation in IC fabrication. 4,859,938, 8-22-89, Cl. 324-158.00D.

Kim, Sea-Chung; Maury, Alvaro; and Stinebaugh, William H., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of making devices having thin dielectric layers. 4,814,291, 3-21-89, Cl. 437-101.000.

Kim, Seo: *See—*
Kim, In; and Kim, Seo, 4,865,773, Cl. 252-548.000.

Kim, Seo W.: *See—*
Park, Ho J.; Kim, Seo W.; Jin, Jung I.; and Lee, Suck H., 4,816,552, Cl. 528-271.000.

Kim, Seung K.: *See—*
Jung, Sang H.; and Kim, Seung K., 4,874,887, Cl. 560-124.000.

Kim, Si M.: *See—*
Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seog C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.

Kim, Simon M. Gas laser discharge tube. 4,807,242, 2-21-89, Cl. 372-87.000.

Kim, Soon Y. Ladder leveling attachment. 4,807,720, 2-28-89, Cl. 182-205.000.

Kim, Soonih; Takeda, Kazuhisa; and Sasatani, Setei, to Ono Pharmaceutical Co., Ltd. Pharmaceutical compositions comprising esters or amides as active ingredients. 4,889,723, 12-26-89, Cl. 424-450.000.

Kim, Sun H., to Biomeasure, Inc. Antiviral compounds. 4,814,335, 3-21-89, Cl. 514-257.000.

Kim, Sun H., to Biomeasure, Inc. CCK antagonists. 4,814,463, 3-21-89, Cl. 548-495.000.

Kim, Sun H., to Biomeasure, Inc. Immunomodulators and method of making same. 4,871,870, 10-3-89, Cl. 560-039.000.

Kim, Sung B. Combination lock. 4,827,743, 5-9-89, Cl. 70-214.000.

Kim, Sung-Du. Timepiece with random-numbered dial. 4,833,661, 5-23-89, Cl. 368-80.000.

Kim, Sung K.: *See—*
Chang, Moon H.; Kim, Bong J.; Kim, Sung K.; and Kim, Woan J., 4,835,267, Cl. 540-226.000.
Witiak, Donald T.; Kim, Sung K.; Feller, Dennis R.; and Romstedt, Karl J., 4,845,121, Cl. 514-455.000.

Kim, Taewook: *See—*
Jeon, Eijin; Lee, Wooil; Yoon, Kwangjun; and Kim, Taewook, 4,831,881, Cl. 73-768.000.

Kim, William C., to Research and Education Institute, Inc. Harbor-UCLA Medical Center. Pelvic disruption reduction enabling device. 4,815,455, 3-28-89, Cl. 128-92.00Z.

Kim, Woan J.: *See—*
Chang, Moon H.; Kim, Bong J.; Kim, Sung K.; and Kim, Woan J., 4,835,267, Cl. 540-226.000.

Kim, Yeong-U; and Zaremski, Donald R., to Allegheny Ludlum Corporation. Method for processing cold-rolled stainless-steel sheet and strip. 4,824,536, 4-25-89, Cl. 294-145.00R.

Kim, Young-Oil; and Han, Jae-Kwang, to Korea Advanced Institute of Science and Technology. Ultra-low temperature alloy and process for manufacturing the same. 4,847,046, 7-11-89, Cl. 420-76.000.

Kim, Young H., to Du Pont de Nemours, E. I., and Company. Method for making polyamide anion solutions. 4,824,881, 4-25-89, Cl. 524-82.000.

Kim, Young H., to Du Pont de Nemours, E. I., and Company. Hyperbranched polyarylene. 4,857,630, 8-15-89, Cl. 528-397.000.

Kim, Young J.: *See—*
Lee, Chang H.; and Kim, Young J., 4,886,207, Cl. 236-12.120.

Kim, Young K. Automatic water-supplying flowerpot utilizing the capillary action and its water-supplying control method. 4,885,869, 12-12-89, Cl. 47-66.000.

Kim, Young R.: *See—*
Cremins, John F.; Kim, Young R.; Malin, Michael J.; and Sclafani, Louis D., 4,801,549, Cl. 436-63.000.

Kim, Young-Won: *See—*
Mahajan, Yashwant R.; Kim, Young-Won; and Froes, Francis H., 4,851,193, Cl. 420-550.000.

Kim, Yun S.; and Kim, Mee S. Measuring envelope opener device having a stamp dispenser. 4,868,942, 9-26-89, Cl. 7-164.000.

Kimak, Daniel, to Emogene Kimak. Diverter valve. 4,862,524, 9-5-89, Cl. 4-192.000.

Kimata, Kei; Yamamoto, Ken; Yasui, Makoto; and Furutani, Katsumi, to NTN Toyo Bearing Co., Ltd. Auto-tensioner for belt. 4,863,417, 9-5-89, Cl. 474-101.000.

Kimata, Masafumi, to Mitsubishi Denki Kabushiki Kaisha. Elimination of KTC noise in a charge coupled device. 4,803,709, 2-7-89, Cl. 377-58.000.

Kimata, Masafumi, to Mitsubishi Denki Kabushiki Kaisha. Solid-state image sensor. 4,808,834, 2-28-89, Cl. 250-578.000.

Kimata, Masafumi; and Tsubouchi, Natsuro, to Mitsubishi Denki Kabushiki Kaisha. Charge-coupled device having channel region with alternately changing potential in a direction perpendicular to charge transfer. 4,809,048, 2-28-89, Cl. 357-24.000.

Kimata, Masafumi; Yamawaki, Masao; and Asai, Sotoju, to Mitsubishi Denki Kabushiki Kaisha. Solid state image sensing device and a method of manufacturing the same. 4,831,426, 5-16-89, Cl. 357-24.000.

Kimata, Masafumi: *See—*
Tsubouchi, Natsuro; and Kimata, Masafumi, 4,853,348, Cl. 437-203.000.

Kimball, Charles H.: *See—*
Fernandez, Emilio A.; Bezos, Angel P.; and Kimball, Charles H., 4,840,056, Cl. 73-1.00H.

Kimball International, Inc.: *See—*
Schneider, Stanley A.; and Knust, John G., 4,871,061, Cl. 206-326.000.

Kimball, James F. Three wheeled vehicle with combined power transmission and steering system. 4,823,895, 4-25-89, Cl. 180-6.480.

Kimball, John: *See—*
Solomon, Merrill; and Kimball, John, 4,847,890, Cl. 379-6.700.
Solomon, Merrill; and Kimball, John, 4,878,239, Cl. 379-67.000.

Kimball, Keesey H. Swivel vise. 4,807,861, 2-28-89, Cl. 269-75.000.

Kimbara, Hidenori: *See—*
Gaku, Morio; and Kimbara, Hidenori, 4,820,855, Cl. 558-167.000.

Kimbel, Kirk L.: *See—*
Campbell, Richard W.; and Kimbel, Kirk L., 4,824,723, Cl. 428-332.000.
Paul, William C.; and Kimbel, Kirk L., 4,804,566, Cl. 428-35.000.

Kimber, Douglas A.: *See—*
DeBruler, Dennis L.; Hafer, Edward H.; Hiller, Thomas L.; Johnson, James M., Jr.; Kimber, Douglas A.; McHarg, Christopher O.; Pector, Scott W.; and Pierce, David A., 4,821,259, Cl. 370-60.000.

Kimber, Robert A.: *See—*
Quarve, Vernon; McCormick, Dennis; and Kimber, Robert A., 4,848,164, Cl. 73-861.770.

Kimberlin, Dan R., to General Motors Corporation. Active vehicle suspension apparatus with suspension velocity responsive actuator unloading. 4,863,002, 9-5-89, Cl. 188-318.000.

Kimberlin, Denver K., to Engineering Enterprises, Inc. Bladder pump assembly. 4,886,432, 12-12-89, Cl. 417-478.000.

Kimberly-Clark Corporation: *See—*
Bernardin, Leo J., 4,838,885, Cl. 604-385.100.
Boland, Leona G.; Zehner, Georgia L.; and Stevens, Robert A., 4,834,736, Cl. 604-385.200.
Braun, Ralph V.; Brown, Christine H.; Fitting, Steven W.; Garrett, Lance J., Jr.; Law, David C.; and Weber, Robert E., 4,818,600, Cl. 428-290.000.
Braun, Ralph V.; Garrett, Lance; Phelan, Robert J.; and Yeo, Richard S., 4,828,556, Cl. 604-365.000.
Brooker, Ronald W.; Cohen, Bernard; and Jackson, David M., 4,797,318, Cl. 428-283.000.
Cochrane, Faith E.; Smith, Michael J.; and Litvay, John D., 4,874,465, Cl. 162-111.000.
Cotton, James D., 4,836,368, Cl. 206-205.000.
Damico, Joyce A.; and Weber, Rebecca J., 4,886,512, Cl. 609-385.200.
Daponte, Diego H., 4,803,117, Cl. 428-228.000.
Daponte, Diego H.; Fox, Norman K.; and Funk, Robert A., 4,818,597, Cl. 428-284.000.
Daponte, Diego H., 4,863,779, Cl. 428-152.000.

Datta, Paul J.; Anderson, Gary C.; and Kressner, Bernhardt E., 4,801,494, Cl. 428-283.000.
Enloe, Kenneth M., 4,846,823, Cl. 604-385.200.
Enloe, Kenneth M.; Gavronski, Paul A.; and McMorrow, Bonnie L., 4,846,825, Cl. 604-385.100.
Fahrenkrug, Anne M.; Winters, Cathy L.; and Logsdon, Nanette J., 4,847,134, Cl. 428-138.000.
Fay, James E., III; and Gierke, Carl J., 4,810,255, Cl. 44-14.000.
Fay, James E., III; and Olszewski, James, 4,810,256, Cl. 44-14.000.
Fay, James E., III; Hrubecky, Frederick J.; Mills, Doris A.; Gierke, Carl J.; Heikkinen, Wilbert; Williams, Kory D.; and Lang, James I., 4,834,774, Cl. 44-14.000.
Frick, Richard H.; Kons, Hugo L.; and Morris, Marion C., 4,802,636, Cl. 242-67.10R.
Frost, Johnathan E.; Hsu, Eric T.; Jackson, David M.; Olsen, Thomas G.; and Popp, Robert L., 4,883,549, Cl. 156-161.000.
Gerndt, Robert J., 4,819,397, Cl. 52-406.000.
Gibbs, Lesley L.; and Morell, Charles J., 4,823,427, Cl. 15-247.000.
Goggans, Gary L.; Everhart, Cherie H.; Chester, Stephen O.; Frost, J. Eric; and Ozbirn, Monica V., 4,801,482, Cl. 428-68.000.
Guthrie, David W., 4,810,571, Cl. 428-286.000.
Hampl, Vladimir, Jr.; Fields, Robert D.; and Bullwinkel, Edward P., 4,805,644, Cl. 131-365.000.
Hansen, Richard E.; Rippl, Carl G.; Midkiff, David G.; and Neuwirth, Joseph G., 4,865,855, Cl. 426-124.000.
Honer, Douglas E., 4,808,263, Cl. 162-4.000.
Hossain, Shafi U.; and Smith, Kenneth R., 4,828,912, Cl. 428-289.000.
Hudson, Robert L., 4,822,666, Cl. 428-224.000.
Huntoon, Andrew E.; and Roessler, Thomas H., 4,834,733, Cl. 604-361.000.
Huntoon, Andrew E.; Roessler, Thomas H.; and Enloe, Kenneth M., 4,850,990, Cl. 604-385.200.
Idris, Carletta-Grier, 4,869,271, Cl. 128-853.000.
Jackson, David M.; and Vogler, William H., 4,865,221, Cl. 221-48.000.
Kielpikowski, David P., 4,808,176, Cl. 604-385.200.
Kielpikowski, David P.; Uitenbroek, Duane G.; and Proxmire, Deborah L., 4,834,738, Cl. 604-385.200.
Kielpikowski, David P.; and Uitenbroek, Duane G., 4,842,596, Cl. 604-385.200.
Killian, Thomas M.; and Wisneski, Tony J., 4,820,572, Cl. 428-227.000.
Kronzer, Frank J., 4,863,781, Cl. 428-200.000.
Kuenn, Cary K.; and Westbrook, Daniel S., 4,824,689, Cl. 427-2.000.
Lassen, Frederich O.; Cesco-Cancian, Anna M.; and Huffman, Dawn M., 4,804,380, Cl. 604-385.100.
Lassen, Frederich O.; Peerenboom, Robert J.; and Schultz, Cheri L., 4,846,824, Cl. 604-385.100.
Lau, Jark C., 4,818,464, Cl. 264-510.000.
Lennon, Patrick G., 4,857,044, Cl. 604-14.000.
Linker, Paul M., III; and Lachapell, Ruth A., 4,834,739, Cl. 604-385.100.
Lippert, Mary E.; Enloe, Kenneth M.; Koch, Debra J.; Roessler, Thomas H.; and Pazdernik, Patrick A., 4,861,652, Cl. 428-284.000.
Lloyd, William D., 4,814,099, Cl. 252-91.000.
Lloyd, William D., 4,865,755, Cl. 252-91.000.
Lloyd, William D.; and Nuttal, David A., 4,885,202, Cl. 428-171.000.
MacDonald, J. Gavin; and Nohr, Ronald S., 4,879,232, Cl. 435-179.000.
Mason, Stanley I., Jr.; and Handler, Michael D., 4,865,597, Cl. 604-385.100.
Mason, Stanley I., Jr.; and Handler, Michael D., 4,886,513, Cl. 604-385.100.
Maycock, William E.; Nohr, Ronald S.; and MacDonald, J. Gavin, 4,859,759, Cl. 528-27.000.
Meyer, Stephen C.; Lance, Roger L.; Hetzler, Connie L.; Dunkerly, Cedric A., II; Roessler, Thomas H.; Zenker, David L.; and Sciaraffa, Michael A., 4,798,603, Cl. 604-378.000.
Morell, Lori A.; and Wessel, Joyce A., 4,823,404, Cl. 2-69.000.
Morman, Michael T., 4,806,598, Cl. 525-63.000.
Morman, Michael T.; Greene, Sharon L.; Pazos, Jose F.; and Rodriguez, Augusto, 4,820,577, Cl. 428-228.000.
Morman, Michael T., 4,828,911, Cl. 428-288.000.
Nohr, Ronald S.; and MacDonald, J. Gavin, 4,857,251, Cl. 264-103.000.
Oakley, Barbara A., 4,864,740, Cl. 36-44.000.
Oshefsky, Daniel J.; and Rajala, Gregory J., 4,863,542, Cl. 156-160.000.
Pazos, Jose F.; Greene, Sharon L.; and Rodriguez, Augusto, 4,847,141, Cl. 428-226.000.
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Proxmire, Deborah L.; Endres, Dan D.; Wilson, John C.; Johnson, Lynn A.; Zehner, Georgia L.; Boland, Leona G.; and Stevens, Robert A., 4,872,871, Cl. 604-394.000.
Radwanski, Fred R.; Trimble, Lloyd E.; Smith, Roland C.; and Connor, Linda A., 4,879,170, Cl. 428-233.000.
Rajala, Gregory J.; and King, Lon M., 4,861,399, Cl. 156-66.000.
Raley, John M., 4,846,813, Cl. 604-385.100.
Sallee, Lorry F.; and Thorson, Russell E., 4,801,485, Cl. 428-198.000.
Sallee, Lorry F.; and Thorson, Russell E., 4,846,827, Cl. 604-385.200.
Shipp, Peter W., Jr., 4,818,585, Cl. 428-198.000.
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Kimbrough, Richard, to Brookside Products Limited. Apparatus for securing shoe laces. 4,805,270, 2-21-89, Cl. 24-117.000.
Kimbrough, Scott S.; Chalasani, Rao M.; and Hallman, Steven J., to General Motors Corporation. Closed-loop four wheel steering system having dual response rate rear steering. 4,828,061, 5-9-89, Cl. 180-79.100.
Kimbrough, Scott S.; and Hallman, Steven J., to General Motors Corporation. Four wheel steering system with closed-loop feedback and open-loop feedforward. 4,842,089, 6-27-89, Cl. 180-79.100.
Kimchi, Yochai: *See*—
Hen, Tamar; and Kimchi, Yochai, 4,821,755, Cl. 134-72.000.
Kime, James W. Storage container. 4,832,193, 5-23-89, Cl. 206-372.000.
Kime, James W. Storage container. 4,846,346, 7-11-89, Cl. 206-372.000.
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Kimenis, Agris A.: *See*—
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Makarova, Natalya V.; Biseniex, Egils A.; Uldrikis, Yan R.; Dubur, Gunar Y.; Veveris, Maris M.; and Kimenis, Agris A., 4,845,109, Cl. 514-356.000.
Kimes, Robert H. Toilet for disabled persons. 4,882,791, 11-28-89, Cl. 4-254.000.
Kimisawa, Toshihide, to Nifco Inc. Device for mounting window pane. 4,840,001, 6-20-89, Cl. 52-208.000.
Kimituka, Akira: *See*—
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Kimizu, Ryuichi, to Omron Tateisi Electronics Co. Payment making terminal device. 4,797,540, 1-10-89, Cl. 235-383.000.
Kimizu, Ryuichi, to Omron Tateisi Electronics Co. Card authorization terminal. 4,874,932, 10-17-89, Cl. 235-379.000.

Kimizuka, Junichi; Ushio, Yukihide; Seto, Kaoru; Hori, Kenjiro; and Inuyama, Toshihiko, to Canon Kabushiki Kaisha. Safety apparatus for detecting an abnormality of power control element. 4,882,782, 11-21-89, Cl. 361-100.000.
Kimizuka, Junichi: *See*—
Inuyama, Toshihiko; Kimizuka, Junichi; Kusano, Akihisa; Sato, Kaoru; and Soya, Takashi, 4,890,288, Cl. 372-31.000.
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Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., 4,869,676, Cl. 439-79.000.
Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., 4,875,865, Cl. 439-101.000.
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Kimmel, Donald S., to Westinghouse Electric Corp. Volt-per-hertz protection apparatus. 4,847,723, 7-11-89, Cl. 361-78.000.
Kimmel, Heinrich; Montag, Bernhard; and Gumbrecht, Walter, to Siemens Aktiengesellschaft. Chemically sensitive component. 4,853,694, 9-5-89, Cl. 422-86.000.
Kimmel, Milton J., to International Business Machines Corp. System of reconfigurable pipelines of generalized neighborhood function morphic image processors. 4,811,413, 3-7-89, Cl. 382-41.000.
Kimmel, Milton J., to International Business Machines Corporation. Configurable parallel pipeline image processing system. 4,850,027, 7-18-89, Cl. 382-49.000.
Kimmelshue, Michael J. Quick cooling insert. 4,816,048, 3-28-89, Cl. 62-4.000.
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Harwood, Jon W.; and Kimmet, Mark S., 4,836,330, Cl. 181-282.000.
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Kinock, Fred M.; and Phillips, John H., to Air Products and Chemicals, Inc. Apparatus and process for improved detection limits in mass spectrometry. 4,855,594, 8-8-89, Cl. 250-282.000.
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Kimoto, Masaaki, to Kimoto Sign Co. Ltd. Luminous gas-discharge sign panel. 4,852,285, 8-1-89, Cl. 40-542.000.
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Kimpara, Mamoru, to Yamaha Corporation. Electronic musical instrument. 4,862,784, 9-5-89, Cl. 84-622.000.
Kimpara, Masaomi; Kawai, Kaiji; and Tobe, Yukiya, to American Cyanamid Company. Stable aqueous suspension concentrate compositions. 4,874,425, 10-17-89, Cl. 71-121.000.
Kimpel, Rolf-Dieter, to Siemens Aktiengesellschaft. Electromagnetic relay. 4,803,589, 2-7-89, Cl. 361-210.000.
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Kimura, Akinori; and Yoda, Akira, to Fuji Photo Film Co., Ltd. Method of and apparatus for developing electrophotographic film using liquid developer. 4,875,080, 10-17-89, Cl. 355-246.000.
Kimura, Akio: *See*—
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Kimura, Akira; Kashiwabara, Hiroshi; and Fujiyama, Hirohisa, to Nippon Steel Corporation. Process for automatic fusion welding of rails. 4,841,116, 6-20-89, Cl. 219-73.100.
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Kimura, Asa: *See*—
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Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo. Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.
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Kimura, Atsuyoshi; Nakamura, Sadayuki; and Saito, Makoto, to Daido Tokushuko Kabushiki Kaisha. Free cutting steel. 4,806,304, 2-21-89, Cl. 420-84.000.
Kimura, Atsuyoshi; and Nakamura, Sadayuki, to Daido Tokushuko Kabushiki Kaisha. Free-cutting Ti alloy. 4,810,465, 3-7-89, Cl. 420-417.000.
Kimura, Atsuyoshi; and Shibata, Noriyoshi, to Daido Tokushuko Kabushiki Kaisha. Austenitic free cutting stainless steels. 4,837,108, 6-6-89, Cl. 420-41.000.
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Kimura, Etsuji; Hasegawa, Nozomu; and Nishiyama, Yutaka, to Mitsubishi Kinzoku Kabushiki Kaisha. Process for preparing compound metal oxides. 4,886,777, 12-12-89, Cl. 505-1.000.
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Kimura, Fumio, to Computer Services Corporation. Binary encoding method for data read from optical record and device therefor. 4,819,222, 4-4-89, Cl. 369-124.000.
Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Hayashi, Koji; Ikeguchi, Masahiko; and Yoshida, Tsunezo, to Ishihara Sangyo Kaisha Ltd. Thiophenesulfonamide compounds, and herbicidal compositions containing them. 4,822,402, 4-18-89, Cl. 71-90.000.
Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Shimoharada, Hiroshi; Yoshida, Tsunezo; and Ikeguchi, Masahiko, to Ishihara Sangyo Kaisha Ltd. Isothiazoles as intermediates for herbicidal sulfonamides. 4,835,282, 5-30-89, Cl. 548-213.000.
Kimura, Fumio; Takahashi, Shunzo; and Hamasaki, Yukio, to Computer Services Corporation. Method and device for reading out optically recorded data and compensating for a drastic change in the position of a line to be read. 4,855,981, 8-8-89, Cl. 369-44.000.
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Takeuchi, Yuko; Nakahara, Yuki; Kimura, Hajime; and Okano, Shinobu, 4,804,587, Cl. 428-623.000.

Kimura, Haruo; Ishidate, Takeo; and Goto, Masao, to Oki Electric Industry Co., Ltd. Bill depositing/dispensing apparatus. 4,883,183, 11-28-89, Cl. 209-534.000.

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Kimura, Haruyoshi; Hiraiwa, Yoshitaka; Shiokawa, Hiroyuki; Nagata, Hiroshi; and Inoue, Yukio, to Kurosaki Refractories Co., Ltd. Process of making a casting nozzle. 4,867,932, 9-19-89, Cl. 264-29.100.

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Kimura, Hidetoshi, to Bridgestone Corporation. Apparatus for attaching belt-like materials. 4,844,768, 7-4-89, Cl. 156-361.000.

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Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000.

Kimura, Hiroshi; and Takagi, Akira, to Toshiba Silicone Co., Ltd. Surface-treated poly methyl silsequoxane powder. 4,871,616, 10-3-89, Cl. 428-407.000.

Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, to Hitachi, Ltd. Torque detecting apparatus. 4,874,053, 10-17-89, Cl. 180-79.100.

Kimura, Hiroshi: *See—*

Hayashi, Kentaro; and Kimura, Hiroshi, 4,870,639, Cl. 370-60.000.

Hisajima, Masahiko; Kimura, Hiroshi; Shigemura, Yutaka; Yada, Isao; Irie, Yoichiro; Morimoto, Kiyoshi; and Nagashima, Takashi, 4,879,578, Cl. 355-234.000.

Iguchi, Seiya; Noguchi, Takeshi; Kimura, Hiroshi; and Aihara, Masayo, 4,800,160, Cl. 435-177.000.

Nakajima, Mutsuo; Kuboyama, Hisaharu; Komiyama, Tadashi; Kimura, Hiroshi; and Yoshida, Kenji, 4,831,162, Cl. 549-534.000.

Ogawa, Shinji; Iguchi, Seiya; Kimura, Hiroshi; and Ohmori, Yoh, 4,837,371, Cl. 548-497.000.

Satoh, Yoshiyuki; Kida, Shinji; Kimura, Hiroshi; and Otsuki, Masaaki, 4,828,739, Cl. 252-49.600.

Kimura, Hiroyuki, to Canon Kabushiki Kaisha. Camera. 4,816,852, 3-28-89, Cl. 354-173.100.

Kimura, Hiroyuki; and Syoji, Mitsuo, to Pioneer Electronic Corporation. Automatic station searcher. 4,833,728, 5-23-89, Cl. 455-166.000.

Kimura, Hiroyuki; Kobori, Yasunori; Hamma, Kentaro; Omata, Takashi; and Oki, Katsunori, to Hitachi, Ltd. Control circuit for video printer. 4,855,840, 8-8-89, Cl. 358-296.000.

Kimura, Hiroyuki: *See—*

Shiraishi, Mikio; Gotoh, Toshihiko; Hamma, Kentaro; Kimura, Hiroyuki; Kobori, Yasunori; and Tomatsuri, Koichi, 4,844,770, Cl. 156-387.000.

Sugai, Yoshiro; and Kimura, Hiroyuki, 4,800,434, Cl. 358-190.000.

Kimura, Hisao: *See—*

Ukaji, Shiroh; Kimura, Hisao; Urata, Kenji; and Kaneda, Toshio, 4,859,824, Cl. 219-69.150.

Kimura, Hisashi, to Sony Corp. Television apparatus incorporating receiver and video tape recorder in a common cabinet. 4,831,449, 5-16-89, Cl. 358-198.000.

Kimura, Hitoshi; Kazama, Shigenori; Shirasaka, Akitoshi; Taki, Kiyoshi; and Manabe, Yukihiro, to Nissan Motor Co., Ltd.; and Shinto Paint Co., Ltd. Paint composition for cation electrodeposition painting. 4,879,325, 11-7-89, Cl. 523-404.000.

Kimura, Hitoshi: *See—*

Ohkubo, Toshiki; and Kimura, Hitoshi, 4,845,417, Cl. 318-696.000.

Kimura, Ippo; Okumura, Naoyuki; Aruga, Tomoe; and Arai, Yoshio, to Seiko Epson Corporation. Magnetic head supporting mechanism. 4,882,644, 11-21-89, Cl. 360-104.000.

Kimura, Isao: *See—*

Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Kozo; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, 4,873,070, Cl. 423-345.000.

Kimura, Junji: *See—*

Ito, Ryoichi; Iwai, Koji; Nishida, Tsuyoshi; and Kimura, Junji, 4,883,024, Cl. 123-41.700.

Kimura, Junzo; and Nakao, Toshiyuki, to Aisin Seiki Kabushiki Kaisha. Bias ratio levelling apparatus of a worm gear type differential. 4,878,400, 11-7-89, Cl. 74-715.000.

Kimura, Kaoru; and Tamura, Tatsuya, to Hashimoto Forming Industry Co., Ltd. Molding member and method of producing same. 4,865,676, 9-12-89, Cl. 156-244.120.

Kimura, Kaoru; Nishi, Masanori; and Minami, Yoshikatsu, to Kabushiki Kaisha Yaskawa Denki Seisakusho. Locus interpolation device. 4,884,189, 11-28-89, Cl. 364-474.310.

Kimura, Kaoru: *See—*

Hiraiwa, Akihiko; Ito, Kenji; and Kimura, Kaoru, 4,818,325, Cl. 156-315.000.

Ito, Kenji; and Kimura, Kaoru, 4,822,426, Cl. 106-189.000.

Sato, Mitsuyoshi; Hiraiwa, Akihiko; and Kimura, Kaoru, 4,806,380, Cl. 427-1.000.

Sato, Mitsuyoshi; Okamura, Takumi; and Kimura, Kaoru, 4,837,260, Cl. 524-261.000.

Yoshida, Tadao; and Kimura, Kaoru, 4,808,708, Cl. 536-27.000.

Kimura, Katsuhiko: *See—*

Asakura, Masahiko; Kawanabe, Tomohiko; Muroya, Minoru; Kubota, Shin'ichi; Kimura, Katsuhiko; Seki, Yasunari; and Matsuura, Kouji, 4,818,362, Cl. 204-406.000.

Kawanabe, Tomohiko; Asakura, Masahiko; Kimura, Katsuhiko; Seki, Yasunari; Matsuura, Kouji; and Hasebe, Hiroshi, 4,868,756, Cl. 364-442.000.

Kimura, Katsutaka: *See—*

Etoh, Jun; Shimohigashi, Katsuhiro; Miyazawa, Kazuyuki; Kimura, Katsutaka; and Akiba, Takesada, 4,873,672, Cl. 365-218.000.

Itoh, Kiyoo; Kawajiri, Yoshiki; Kimura, Katsutaka; Hori, Ryoichi; and Etoh, Jun, 4,796,234, Cl. 365-227.000.

Miyazawa, Kazuyuki; Shimohigashi, Katsuhiro; Etoh, Jun; and Kimura, Katsutaka, 4,811,299, Cl. 365-201.000.

Kimura, Kazuhiro: *See—*

Harada, Masahide; and Kimura, Kazuhiro, 4,870,160, Cl. 355-246.000.

Kimura, Kazuhisa: *See—*

Hashimoto, Kiyoshi; Kimura, Kazuhisa; and Hatakeyama, Takashi, 4,803,502, Cl. 346-140.00R.

Kimura, Kazuo: *See—*

Ishizaka, Yasuo; Watanabe, Noboru; Kimura, Kazuo; and Imaoka, Eiichiro, 4,798,765, Cl. 428-336.000.

Matsui, Toru; and Kimura, Kazuo, 4,843,227, Cl. 250-201.000.

Kimura, Kazuya; Nakamoto, Akira; and Hasegawa, Jun, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Method for controlling displacement of a variable displacement wobble plate type compressor. 4,838,766, 6-13-89, Cl. 417-222.000.

Kimura, Keiichi, to Kimura Kohki Co., Ltd. Flow control valve. 4,805,667, 2-21-89, Cl. 137-630.140.

Kimura, Keiichi, to Kimura Kohki Kabushiki Kaisha. Valve apparatus. 4,832,311, 5-23-89, Cl. 251-118.000.

Kimura, Keita; Takatsu, Norihiko; and Yamamoto, Tetsuya, to Nikon Corporation. Exposure control device in an electronic still camera. 4,890,166, 12-26-89, Cl. 358-228.000.

Kimura, Kenji; and Tsuji, Kiyoshi, to Olympus Optical Co., Ltd. Video image processing apparatus for emphasizing color of an image by expanding hue and saturation. 4,814,859, 3-21-89, Cl. 358-22.000.

Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, to Olympus Optical Co., Ltd. Video endoscope system for use with different sizes of solid state devices. 4,816,909, 3-28-89, Cl. 358-98.000.

Kimura, Kenji; and Kikuchi, Kenichi, to Olympus Optical Co., Ltd. Automatic light adjusting system for an endoscope using an externally fitter camera. 4,845,554, 7-4-89, Cl. 358-98.000.

Kimura, Kenji, to Olympus Optical Co. Ltd. Video endoscope apparatus with automatic focusing control. 4,846,155, 7-11-89, Cl. 128-6.000.

Kimura, Kenji; and Tsuji, Kiyoshi, to Olympus Optical Co., Ltd. Video image processing apparatus for emphasizing color of an image by enhancing saturation. 4,860,091, 8-22-89, Cl. 358-22.000.

Kimura, Kenji; and Tsuji, Kiyoshi, to Olympus Optical Co., Ltd. Video camera apparatus and video endoscope apparatus with means for compensating image errors caused by differing cable lengths. 4,860,095, 8-22-89, Cl. 358-98.000.

Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, to Olympus Optical Co., Ltd. Endoscope light source apparatus. 4,885,635, 12-5-89, Cl. 358-98.000.

Kimura, Kenji: *See—*

Hibino, Hiroki; Kimura, Kenji; and Eino, Teruo, 4,853,773, Cl. 358-98.000.

Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.

Hibino, Hiroki; and Kimura, Kenji, 4,866,516, Cl. 358-98.000.

Hosoya, Takamasa; and Kimura, Kenji, 4,799,104, Cl. 358-98.000.

Tsuji, Kiyoshi; Kimura, Kenji; and Okada, Yoshihiro, 4,884,134, Cl. 358-98.000.

Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.

Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,999, Cl. 313-414.000.

Kimura, Kikuo: *See—*

Hyogo, Yukihiro; Kimura, Kikuo; Iida, Satoshi; and Arai, Kazuya, 4,822,965, Cl. 200-333.000.

Ogawa, Kikuo; and Kimura, Kikuo, 4,799,893, Cl. 439-76.000.

Kimura, Kiyoshi, to Alps Electric Co., Ltd. Coordinate input apparatus including a detection circuit to determine proper stylus position. 4,818,826, 4-4-89, Cl. 178-19.000.

Kimura, Kiyoshi, to Alps Electric Co., Ltd. High precision coordinate input device using sequentially driven conductors in an input plane and stored correction values. 4,818,851, 4-4-89, Cl. 235-472.000.

Kimura, Kiyoshi, to Alps Electric Co., Ltd. Guide apparatus with rotating elements for ensuring perpendicular scanning movements of a hand-operated image scanner. 4,831,459, 5-16-89, Cl. 358-293.000.

Kimura, Kiyoshi; Kise, Masahiro; Morita, Iwao; Tomita, Toshio; and Tsuda, Masami, to Nippon Shinyaku Co., Ltd. Certain antihypertensive 1,4-dihydro-6-methyl-5-phosphonic acid-4-aryl-3-carboxylic acid-2-cyano diesters. 4,857,515, 8-15-89, Cl. 514-89.000.

Kimura, Kiyoshi; Ueda, Fusao; and Ogasawara, Takashi, to Nippon Shinyaku Co., Ltd. 2,4-diamino-6-substituted-phenyl-S-triazines as nootropic agents. 4,873,242, 10-10-89, Cl. 514-242.000.

Kimura, Kiyoshi; Ueda, Fusao; and Tamura, Masaru, to Nippon Shinyaku Co., Ltd. 2-amino-4-nicotinoylamino-6-aryl-s-triazines as nootropic agents. 4,874,762, 10-17-89, Cl. 514-242.000.

Kimura, Kiyoshi; Ogasawara, Takashi; and Mushiroi, Takeshi, to Nippon Shinyaku Co., Ltd. Histidylprolineamide derivatives. 4,877,784, 10-31-89, Cl. 514-227.800.

Kimura, Kohei: *See—*

Murai, Atsushi; Terano, Minoru; Kimura, Kohei; and Inoue, Masuo, 4,839,321, Cl. 502-127.000.

Murai, Atsushi; Terano, Minoru; Kimura, Kohei; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,847,227, Cl. 502-127.000.

Terano, Minoru; Soga, Hirokazu; and Kimura, Kohei, 4,829,037, Cl. 502-112.000.

Kimura Kohki Co., Ltd.: *See—*

Kimura, Keiichi, 4,805,667, Cl. 137-630.140.

Kimura Kohki Kabushiki Kaisha: *See—*

Kimura, Keiichi, 4,832,311, Cl. 251-118.000.

Kimura, Koichi; Ogura, Toshihiko; Aotsu, Hiroaki; Ikegami, Mitsuru; and Kawabara, Tadashi, to Hitachi, Ltd. Memory circuit for graphic images. 4,868,781, 9-19-89, Cl. 364-900.000.

Kimura, Koichi: *See—*

Aotsu, Hiroaki; Ogura, Toshihiko; Kimura, Koichi; Kuwabara, Tadashi; and Makaya, Yuuichi, 4,849,907, Cl. 364-518.000.

Kimura, Koichiro: *See—*

Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masato, 4,796,244, Cl. 369-38.000.

Kimura, Kouichi: *See—*

Shibata, Kenichi; Kimura, Kouichi; Hara, Tomohiko; and Takagi, Tatsuo, 4,849,382, Cl. 501-95.000.

Kimura, Kouji; Mitsuyuki, Hiroshi; Yamamoto, Akihiko; and Satoh, Yutaka, to Hitachi, Ltd. Word processor provided with an automatic tabset means. 4,850,726, 7-25-89, Cl. 400-279.000.

Kimura, Kozo, to Sharp Kabushiki Kaisha. Failure alarm device for an appliance. 4,843,378, 6-27-89, Cl. 340-635.000.

Kimura, Kuniaki: *See—*

Sakuuchi, Toshio; and Kimura, Kuniaki, 4,822,016, Cl. 270-58.000.

Suzuki, Masayuki; Hara, Shinichi; Kimura, Kuniaki; Ono, Takeo; Nakamura, Munekazu; and Ohguchi, Yoshihiro, 4,855,123, Cl. 423-562.000.

Kimura, Kunio: *See—*

Takao, Masatoshi; Kimura, Kunio; Kurumizawa, Toshimitsu; and Nagata, Kenichi, 4,847,132, Cl. 428-64.000.

Kimura, Mareo: *See—*

Matsumoto, Shinichi; Miyoshi, Naoto; Muraki, Hideaki; Sobukawa, Hideo; Fukui, Masayuki; Kimura, Mareo; and Shinjoh, Hirofumi, 4,843,056, Cl. 502-302.000.

Kimura, Masahiro: *See—*

Satoh, Tomiyoshi; Kimura, Masahiro; and Takahashi, Hidenobu, 4,864,440, Cl. 360-99.020.

Kimura, Masaki: *See—*

Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, 4,831,143, Cl. 544-335.000.

Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, 4,866,199, Cl. 560-65.000.

Kimura, Masao: *See—*

Okada, Yoshimi; Kimura, Masao; and Okubo, Kazuo, 4,841,216, Cl. 322-10.000.

Kimura, Masashi, to Kabushiki Kaisha Toshiba. Image forming apparatus capable of detecting original-image density. 4,811,056, 3-7-89, Cl. 355-68.000.

Kimura, Masatoshi; Okuda, Hiroshi; Fujikawa, Yujiro; and Inomata, Tatsuaki, to Prima Meat Packers, Ltd. Research and Development Center. Packaging food in raised state. 4,796,411, 1-10-89, Cl. 53-453.000.

Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, to Hitachi, Ltd. Method of fabricating semiconductor devices which include vertical elements and control elements. 4,814,288, 3-21-89, Cl. 437-59.000.

Kimura, Masatoshi, to Mitsubishi Denki Kabushiki Kaisha. Connecting mechanism for memory card. 4,889,495, 12-26-89, Cl. 439-60.000.

Kimura, Masatoshi: *See—*

Mukai, Seiichi; Kimura, Masatoshi; and Morita, Shohachi, 4,886,873, Cl. 528-353.000.

Nagai, Yasuo; Shimizu, Isao; Kimura, Masatoshi; Kaneko, Kenji; Okabe, Takeaki; and Sakamoto, Koozoo, 4,885,628, Cl. 357-68.000.

Sasaki, Sachio; Wanou, Masahiro; Kimura, Masatoshi; and Nakajima, Junzo, 4,804,994, Cl. 355-3.0DD.

Kimura, Masayuki; Hosaka, Kunio; Takeda, Shigehumi; and Mitsuhashi, Hiroshi, to Tsumura Juntendo, Inc. Novel biphenyl derivative and preparation and use thereof. 4,849,448, 7-18-89, Cl. 514-464.000.

Kimura, Masoyoshi: *See—*

Aiga, Tadao; and Kimura, Masoyoshi, 4,883,677, Cl. 426-420.000.

Kimura, Michio: *See—*

Fukagai, Toshio; Kimura, Michio; Ohta, Masafumi; and Hashimoto, Mitsuru, 4,830,942, Cl. 430-58.000.

Seki, Kenji; Hashimoto, Junichiroh; Kimura, Michio; Yamanami, Hirofumi; Mochizuki, Satomi; and Aiso, Izumi, 4,871,635, Cl. 430-60.000.

Kimura, Mikio: *See—*

Horikoshi, Kuniaki; Kimura, Mikio; Sone, Mototaka; and Yamazaki, Kunikatsu, 4,832,918, Cl. 422-186.180.

Kimura, Minao: *See—*

No, Shinichiro; and Kimura, Minao, 4,815,781, Cl. 294-88.000.

No, Shinichiro; and Kimura, Minao, 4,828,304, Cl. 294-2.000.

Kimura, Misao, to Harada Kogyo Kabushiki Kaisha. Clutch system for motor driven telescopic antenna. 4,866,458, 9-12-89, Cl. 343-903.000.

Kimura, Mitsuru; and Nakakita, Shoji, to NEC Corporation. Method of manufacturing a multichip package with increased adhesive strength. 4,874,721, 10-17-89, Cl. 437-209.000.

Kimura, Mitsutoshi; and Baba, Masaharu, to Kabushiki Kaisha Toshiba. Light detector having light sensor and light indicator, and control circuit thereof. 4,886,961, 12-12-89, Cl. 250-205.000.

Kimura, Motohiko, to Kabushiki Kaisha Toshiba. Expandable and contractible arms. 4,818,175, 4-4-89, Cl. 414-730.000.

Kimura, Mutsumi: *See—*

Shimizume, Kazutoshi; and Kimura, Mutsumi, 4,821,293, Cl. 375-81.000.

Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.

Kimura, Naomasa, to Honda Giken Kogyo Kabushiki Kaisha. Mechanical quantity sensor element. 4,872,350, 10-10-89, Cl. 73-779.000.

Kimura, Naoya: *See—*

Hagiwara, Yoshichi; Kimura, Naoya; and Emori, Kenji, 4,865,954, Cl. 430-323.000.

Kimura, Nobuo, to Mazda Motor Corporation. Method of and apparatus for adjusting the weight of a workpiece. 4,812,090, 3-14-89, Cl. 409-132.000.

Kimura, Nobutake: *See—*

Konishi, Takao; Sugimori, Giichi; Kato, Kazuyoshi; Kimura, Nobutake; and Shibata, Kenji, 4,837,018, Cl. 424-92.000.

Kimura, Norihisa: *See—*

Kawano, Ikuo; Takiguchi, Tsuyoshi; Kimura, Norihisa; Yanagisawa, Yohei; Ashimi, Tokuji; and Yoshino, Hiroyuki, 4,876,103, Cl. 426-574.000.

Kimura, Norio: *See—*

Sakata, Tsuguhide; Kimura, Norio; and Takei, Masahiro, 4,823,197, Cl. 358-310.000.

Sakata, Tsuguhide; Kimura, Norio; Taguchi, Tomishige; and Takei, Masahiro, 4,847,703, Cl. 360-48.000.

Sakata, Tsuguhide; Taguchi, Tomishige; Kimura, Norio; Tsuruno, Kunio; and Suzuki, Yasutomo, 4,878,131, Cl. 360-37.100.

Kimura, Noriyuki: *See—*

Enoki, Shigekazu; Sawayama, Noboru; Katoh, Shunji; and Kimura, Noriyuki, 4,885,223, Cl. 430-122.000.

Kimura, Okitoshi; Ohsawa, Toshiyuki; Kabata, Toshiyuki; Nishihara, Hiroshi; and Aramaki, Kunitsugu, to Ricoh Company, Ltd.; and Aramaki, Kunitsugu. Semiconductive or conductive polymers, method of producing the same and batteries using the polymers as active materials. 4,837,096, 6-6-89, Cl. 429-213.000.

Kimura, Okitoshi; Kabata, Toshiyuki; and Ohsawa, Toshiyuki, to Ricoh Company, Ltd. Composite electrode comprising a bonded body of aluminum and electroconductive polymer and electric cell using such a composite electrode. 4,886,572, 12-12-89, Cl. 156-633.000.

Kimura, Rokusaburo; Watari, Yoshie; Nakayama, Satoshi; and Naruse, Haruhiko, to Matsushita Electric Works, Ltd. Bedsore-preventing air mattress controller. 4,825,486, 5-2-89, Cl. 5-453.000.

Kimura, Rokusaburo; Watari, Yoshie; and Makayama, Satoshi, to Matsushita Electric Works, Ltd. Electromagnetic air pump. 4,859,152, 8-22-89, Cl. 417-63.000.

Kimura, Ryoji: *See—*

Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.

Kimura, Saburo: *See—*

Toyonaga, Yufuko; Kimura, Suzushi; Ueda, Masaaki; Tabata, Osamu; and Kimura, Saburo, 4,859,496, Cl. 427-53.100.

Kimura, Sakae; Yakabe, Touru; and Kawai, Mituo, to Kabushiki Kaisha Toshiba. Indirectly heated cathode structure for electron tubes. 4,820,954, 4-11-89, Cl. 313-270.000.

Kimura, Shigenobu, to Yamaha Corporation. Digital-to-analog converting circuit. 4,818,996, 4-4-89, Cl. 341-144.000.

Kimura, Shigeru: *See—*

Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Toru; Suto, Seiichi; and Seto, Takao, 4,808,812, Cl. 250-216.000.

Kimura, Shin-ichiro: *See—*

Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshihiko; Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ichiro; Kaga, Toru; and Kure, Tokuo, 4,882,289, Cl. 437-52.000.

Kimura, Shinichi, to Sharp Kabushiki Kaisha. Heating apparatus for maintaining a solution at a predetermined temperature. 4,886,955, 12-12-89, Cl. 219-494.000.

Kimura, Shinichi: *See—*

Gotou, Hidemi; and Kimura, Shinichi, 4,804,278, Cl. 400-54.000.

Mawatari, Masaaki; Itoh, Tetsuo; Tsuchikawa, Syuji; and Kimura, Shinichi, 4,839,425, Cl. 525-92.000.

  - Nagai, Hisao; Nakagawa, Yuzi; Oomura, Katsurou; and Kimura, Shinichi, 4,814,388, Cl. 525-322.000.
- Kimura, Shinichiro: *See—*
  - Kaga, Toru; Kimura, Shinichiro; Kure, Tokuo; Kawamoto, Yoshifumi; and Sunami, Hideo, 4,873,203, Cl. 437-67.000.
  - Sunami, Hideo; Kimura, Shinichiro; and Kaga, Toru, 4,873,560, Cl. 357-23.600.
- Kimura, Shiro. Tubular container for centrifugal separation. 4,861,477, 8-29-89, Cl. 210-359.000.
- Kimura, Shiuji, to Teikoku Kako Co., Ltd.; and Kimura, Shiuji. Method for protecting metallic surfaces from corrosion. 4,812,174, 3-14-89, Cl. 148-251.000.
- Kimura, Shuichi; and Hanajima, Mitsuru, to Sony Corporation. Disc reproducing apparatus. 4,825,431, 4-25-89, Cl. 369-50.000.
- Kimura, Shuichi, to Sony Corporation. Access control apparatus. 4,868,819, 9-19-89, Cl. 369-32.000.
- Kimura, Sigeyuki: *See—*
  - Hibi, Tadaaki; Sugiura, Miyoji; Kano, Hiromi; Kimura, Sigeyuki; and Kazami, Takeshi, 4,800,163, Cl. 435-287.000.
- Kimura, Soosaku; Itoh, Masaya; and Okabe, Takeshi, to Citizen Watch Co., Ltd. Grinding head for a grinding machine. 4,811,525, 3-14-89, Cl. 51-166.0MH.
- Kimura, Susumu: *See—*
  - Ohashi, Hiroshi; Fujioka, Toshiyuki; Kusunoki, Masahiro; Kimura, Susumu; and Takekado, Shigeru, 4,811,143, Cl. 360-105.000.
- Kimura, Suzushi: *See—*
  - Toyonaga, Yufuko; Kimura, Suzushi; Ueda, Masaaki; Tabata, Osamu; and Kimura, Saburo, 4,859,496, Cl. 427-53.100.
- Kimura, Tadashi; Inaba, Tsutomu; Sugihara, Masahiro; and Kobayashi, Norihide, to Mitsubishi Denki Kabushiki Kaisha. Scroll-type compressor with oil passageway in thrust bearing. 4,824,344, 4-25-89, Cl. 418-55.000.
- Kimura, Tadashi: *See—*
  - Kobayashi, Norihide; Inaba, Tsutomu; Kimura, Tadashi; and Sugihara, Masahiro, 4,874,302, Cl. 418-55.000.
  - Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; Inaba, Tsutomu; Nakamura, Toshiyuki; and Kimura, Tadashi, 4,840,549, Cl. 418-55.000.
- Kimura, Takaaki: *See—*
  - Tanaka, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; Murofushi, Toshiaki; and Kimura, Takaaki, 4,797,340, Cl. 430-109.000.
- Kimura, Takao: *See—*
  - Nakajima, Yoshio; Kimura, Takao; and Nagaoka, Yoshinobu, 4,882,108, Cl. 264-54.000.
  - Wagatsuma, Makoto; Yamamoto, Fumio; Kimura, Takao; Shuto, Yoshito; and Yamakawa, Shinzo, 4,801,186, Cl. 350-96.300.
- Kimura, Takashi; Yatomi, Toshiya; and Edakubo, Hiroo, to Canon Kabushiki Kaisha. Tape loading device having pair of tape guide post units on pair of rotatable members. 4,873,591, 10-10-89, Cl. 360-85.000.
- Kimura, Takashi; Kato, Takao; and Endo, Kazuo, to Kabushiki Kaisha Toshiba. Field-effect transistor. 4,879,582, 11-7-89, Cl. 357-23.120.
- Kimura, Takashi: *See—*
  - Nagaoka, Tomoo; and Kimura, Takashi, 4,855,850, Cl. 360-99.120.
  - Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.
  - Yamada, Tsuneo; Sakashita, Tsutomu; Tomono, Hiroshi; Kimura, Takashi; Maehara, Yasuhiro; and Yasumoto, Kunio, 4,802,356, Cl. 72-184.000.
  - Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi: Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.
- Kimura, Takayoshi; Ojima, Yasuo; and Mori, Yoshiaki, to Sumitomo Metal Mining Company Limited. Flash smelting furnace. 4,798,532, 1-17-89, Cl. 432-210.000.
- Kimura, Takayoshi; Ojima, Yasuo; and Mori, Yoshiaki, to Sumitomo Metal Mining Company Limited. Method for operation of flash smelting furnace. 4,824,362, 4-25-89, Cl. 432-13.000.
- Kimura, Takeo; Seki, Yoshiatsu; Ohkoda, Mitsuru; and Hosaka, Makoto, to Mitsubishi Kinzoku Kabushiki Kaisha. Apparatus for hanging and handling plate members. 4,851,098, 7-25-89, Cl. 204-198.000.
- Kimura, Tamio: *See—*
  - Akutsu, Yoshinori; Nakano, Takaharu; Saho, Takahiro; Ohtake, Nobumasa; Yasuda, Hirofumi; and Kimura, Tamio, 4,839,443, Cl. 525-474.000.
- Kimura, Tatsuo, to Nittan Company, Ltd. Envirnmental abnormality detection apparatus. 4,797,664, 1-10-89, Cl. 340-693.000.
- Kimura, Tatsuya: *See—*
  - Sugimura, Akira; and Kimura, Tatsuya, 4,847,856, Cl. 372-96.000.
- Kimura, Tetsuo, to Canon Kabushiki Kaisha. Recording apparatus having a rotatable cover including a guide for guiding a non-continuous record sheet to a recording head and having another guide for guiding a continuous record sheet having holes therein to the recording head. 4,826,335, 5-2-89, Cl. 400-605.000.
- Kimura, Tetsuo, to Nittan Company, Ltd. Environmental abnormality alarm apparatus. 4,831,361, 5-16-89, Cl. 340-506.000.
- Kimura, Tetsuo; and Kobayashi, Akihiro, to Nittan Company, Limited. Alarm apparatus. 4,887,072, 12-12-89, Cl. 340-691.000.
- Kimura, Tohru: *See—*
  - Isobe, Mitsuo; and Kimura, Tohru, 4,833,652, Cl. 365-201.000.
- Kimura, Tokunori, to Kabushiki Kaisha Toshiba. Three-dimensional image processing apparatus. 4,835,688, 5-30-89, Cl. 364-413.220.
- Kimura, Tokusuke: *See—*
  - Friedrich-Fiechtl, Jurgen-Dietrich; Kerner, Bernhard; Holzapfel, Jurgen; Puschmann, Martin; Kimura, Tokusuke; and Kurosu, Fumio, 4,835,257, Cl. 530-387.000.
- Kimura, Tomoaki, to Hitachi, Ltd. Rolling installation for and rolling method of continuous cast strip. 4,846,254, 7-11-89, Cl. 164-476.000.
- Kimura, Tomoaki: *See—*
  - Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839,949, Cl. 29-132.000.
  - Tozawa, Hirokazu; Bessho, Nagayasu; Fujii, Tetsuya; Moriwaki, Saburo; Yasukawa, Noboru; and Kimura, Tomoaki, 4,825,935, Cl. 164-481.000.
- Kimura, Tomohiro: *See—*
  - Hiro, Masaaki; Kimura, Tomohiro; Yoshihara, Toshiyuki; Kawamorita, Yoichi; and Nakagawa, Masaru, 4,863,823, Cl. 430-58.000.
  - Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and Hisamura, Masafumi, 4,877,701, Cl. 430-59.000.
  - Ishikawa, Reiji; and Kimura, Tomohiro, 4,803,337, Cl. 219-121.850.
  - Yoshihara, Toshiyuki; and Kimura, Tomohiro, 4,855,202, Cl. 430-58.000.
- Kimura, Toru: *See—*
  - Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ueshimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eikichi; Harasda, Masakatsu; Aoki, Masahiro; and Kimura, Toru, 4,869,754, Cl. 106-404.000.
- Kimura, Toshiaki: *See—*
  - Chiba, Yuji; Ando, Kenji; Sugata, Masao; Sugata, Hiroyuki; Kimura, Toshiaki; and Osabe, Kuniji, 4,875,810, Cl. 406-14.000.
  - Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.
  - Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.
  - Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.
- Kimura, Toshihiko: *See—*
  - Fujiwhara, Mitsuto; Uchida, Takashi; and Kimura, Toshihiko, 4,871,655, Cl. 430-519.000.
  - Masukawa, Toyoaki; Tsuda, Yasuo; Ninomiya, Hidetaka; Nakayama, Noritaka; and Kimura, Toshihiko, 4,818,672, Cl. 430-558.000.
  - Miura, Norio; Kida, Shuji; Nakagawa, Satoshi; and Kimura, Toshihiko, 4,865,961, Cl. 430-553.000.
- Kimura, Toshinari: *See—*
  - Muratani, Takuro; Kobayashi, Hideo; and Kimura, Toshinari, 4,862,104, Cl. 331-1.00A.
- Kimura, Toshio: *See—*
  - Todo, Akira; Kimura, Toshio; and Kurisu, Masayoshi, 4,834,819, Cl. 156-73.100.
- Kimura, Toshiyuki; Aoyagi, Yoshio; and Endo, Fumio, to Pioneer Electronic Corporation. Disk playing method for disk player. 4,855,979, 8-8-89, Cl. 369-33.000.
- Kimura, Toshiyuki; Aoyagi, Yoshio; and Endo, Fumio, to Pioneer Electronic Corporation. Disk playing method for disk player. 4,882,719, 11-21-89, Cl. 369-32.000.
- Kimura, Toshiyuki: *See—*
  - Aoyagi, Yoshio; Kimura, Toshiyuki; and Saito, Yoshinori, 4,829,498, Cl. 369-45.000.
  - Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  - Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
  - Kiyoura, Kazuhiro; Endo, Fumio; Kimura, Toshiyuki; Aoyagi, Yoshio; and Nakamura, Kazunari, 4,841,506, Cl. 369-32.000.
  - Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nasu, Katsuaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, Toshiyuki, 4,840,932, Cl. 502-202.000.
  - Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumu; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.
- Kimura, Tsuneo: *See—*
  - Arai, Masatoshi; and Kimura, Tsuneo, 4,845,259, Cl. 556-440.000.
- Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,862,358, 8-29-89, Cl. 364-413.000.
- Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,862,360, 8-29-89, Cl. 364-413.010.
- Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,868,746, 9-19-89, Cl. 364-413.130.
- Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,868,749, 9-19-89, Cl. 364-413.130.
- Kimura, Tsutomu; Hishinuma, Kazuhiro; and Shiraishi, Misashi, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,871,913, 10-3-89, Cl. 250-327.500.
- Kimura, Tsutomu; and Watanabe, Yukio, to Fuji Photo Film Co., Ltd. Method of and apparatus for recording and reading out radiation image information. 4,873,441, 10-10-89, Cl. 250-327.200.
- Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal detecting method in autoradiography. 4,884,200, 11-28-89, Cl. 364-413.130.
- Kimura, Tsutomu: *See—*
  - Fukai, Nobutaka; Kimura, Tsutomu; and Matsuda, Terumi, 4,849,630, Cl. 250-327.200.
  - Goto, Sachio; Kobayashi, Hideo; Yasumori, Akira; Kimura, Tsutomu; and Hayashi, Hiroshi, 4,830,825, Cl. 420-486.000.
  - Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, 4,831,461, Cl. 358-296.000.
  - Saotome, Shigeru; Kimura, Tsutomu; and Nakajima, Nobuyoshi, 4,861,994, Cl. 250-327.200.
  - Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,837,733, Cl. 364-413.130.
  - Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,852,050, Cl. 364-414.000.
  - Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, 4,888,695, Cl. 364-413.130.
  - Yoshimura, Ryoichi; and Kimura, Tsutomu, 4,806,758, Cl 250-327.200.
- Kimura, Tutomu, to Tokyo Electric Co., Ltd. Dot printer. 4,813,797, 3-21-89, Cl. 400-124.000.
- Kimura, Yasuko: *See—*
  - Osawa, Yasuhisa; and Kimura, Yasuko, 4,800,243, Cl. 200-514.000.
- Kimura, Yasuo, to NEC Corporation. Method and apparatus for detecting a track and focus errors in an optical head. 4,841,508, 6-20-89, Cl. 361-45.000.
- Kimura, Yasuo: *See—*
  - Sengyoji, Kazuo, Sakai, Jun; Hayashi, Shigeyuki; Suzuki, Makoto; and Kimura, Yasuo, 4,875,074, Cl. 355-27.000.
- Kimura, Yoshiharu, to TOA Nenryo Kogyo Kabushiki Kaisha. Co-poly (imide ether) copolymer from diaminated polyalkyleneglycol. 4,857,079, 8-15-89, Cl. 55-16.000.
- Kimura, Yoshiharu: *See—*
  - Narumiya, Shuh; Hayaishi, Osamu; Kimura, Yoshiharu; and Tsuboshima, Masami, 4,812,457, Cl. 514-226.200.
- Kimura, Yoshihiko: *See—*
  - Yamada, Morio; and Kimura, Yoshihiko, 4,880,041, Cl. 141-167.000.
  - Yasuda, Koichi; and Kimura, Yoshihiko, 4,802,874, Cl. 445-4.000.
- Kimura, Yoshihiro: *See—*
  - Ishiwatari, Masaaki; Tsutsumi, Yuji; Ogusu, Yoshiyuki; and Kimura, Yoshihiro, 4,857,304, Cl. 424-59.000.
  - Watanabe, Seiji; Handa, Akio; Hosoya, Eiji; Ishiwatari, Makoto; Kimura, Yoshihiro; and Shibukawa, Takerou, 4,828,017, Cl. 165-41.000.
- Kimura, Yoshikatsu: *See—*
  - Morimoto, Takeshi; Sanada, Yasuhiro; Ohashi, Shinichi; and Kimura, Yoshikatsu, 4,862,328, Cl. 361-502.000.
- Kimura, Yoshikazu. Sheets for use in correspondence. 4,885,198, 12-5-89, Cl. 428-77.000.
- Kimura, Yoshikazu: *See—*
  - Mizobuchi, Shotaro; Sasaki, Katsumi; and Kimura, Yoshikazu, 4,806,080, Cl. 417-353.000.
  - Mizobuchi, Shotaro; Kanamori, Toshiya; Sasaki, Katsumi; Chiba, Katsutoshi; and Kimura, Yoshikazu, 4,820,949, Cl. 310-90.000.
  - Yoshida, Yasuo; and Kimura, Yoshikazu, 4,845,304, Cl. 568-433.000.
- Kimura, Yoshimasa: *See—*
  - Kamiyama, Akira; Kimura, Yoshimasa; and Hosoya, Yukiteru, 4,806,025, Cl. 384-202.000.
- Kimura, Yoshio: *See—*
  - Okamoto, Shosuke; Okada, Yoshio; Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro; Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.
- Kimura, Yoshiyuki: *See—*
  - Sato, Yuji; Kono, Hiromi; Tanoue, Akifumi; and Kimura, Yoshiyuki, 4,884,201, Cl. 364-424.100.
- Kimura, Youichi: *See—*
  - Tanaka, Tsuneo; Iwasa, Mikio; Kimura, Youichi; and Nakamura, Akira, 4,823,908, Cl. 181-175.000.
- Kimura, Yuhji: *See—*
  - Izumi, Kouji; Eguti, Hirotoshi; Ohta, Eiichi; Kimura, Yuhji; and Ebi, Yutaka, 4,836,034, Cl. 73-862.040.
- Kimura, Yuichi: *See—*
  - Yamamoto, Yoshiharu; and Kimura, Yuichi, 4,850,663, Cl. 350-6.800.
- Kimura, Yuji: *See—*
  - Sugie, Kazuo; Sainen, Yoshimasa; Kimura, Yuji; and Nishiyama, Tadashi, 4,866,782, Cl. 382-22.000.
- Kimura, Yukio; Yoshino, Toshikazu; and Hayashi, Ryutaro, to Pioneer Electronic Corporation. Optical disk and process for producing the same. 4,853,260, 8-1-89, Cl. 427-240.000.
- Kimura, Yukio: *See—*
  - Hayashi, Ryutaro; Kimura, Yukio; and Yoshino, Toshikazu, 4,847,827, Cl. 369-284.000.
- Kimura, Yutaka: *See—*
  - Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,796,208, Cl. 364-559.000.
  - Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,887,215, Cl. 364-431.040.
- Kimyacioglu, Mehmet K., to Exar Corporation. Wideband 0–90 degrees adjustable phase shifter. 4,866,397, 9-12-89, Cl. 330-252.000.
- Kin, Inc.: *See—*
  - Wade, James D., 4,876,773, Cl. 27-23.100.
- Kin, Lai, to Windmere Corporation. Hair curling system. 4,881,559, 11-21-89, Cl. 132-226.000.
- Kinack, Vincent S.; and Spector, George. Metal flake grease gun. 4,809,816, 3-7-89, Cl. 184-105.200.
- Kinaga, Yoshimasa; Murofushi, Shigeo; and Seko, Kenji, to Kansai Paint Company, Limited. Curable compositions. 4,833,207, 5-23-89, Cl. 525-276.000.
- Kinaga, Yoshimasa: *See—*
  - Kondo, Toshio; and Kinaga, Yoshimasa, 4,883,571, Cl. 204-180.600.
- Kinanen, Ilmari; Kanerva, Heikki; and Tammisalo, Erkki, to Orion-Yhtyma Oy. Method and apparatus for radiography of the dental, jaw, and skull regions. 4,852,134, 7-25-89, Cl. 378-38.000.
- Kinard, Michael D.; Panuska, Andrew J.; Reynolds, Mickey R.; Santana, Manuel R.; and Webster, George H., to American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Technologies, Inc. Optical fiber cable. 4,844,575, 7-4-89, Cl. 350-96.230.
- Kinas, Charles T.: *See—*
  - Crayton, John W.; Kinas, Charles T.; and Sinn, Scott G., 4,864,284, Cl. 340-635.000.
- Kinashi, Hiroshi: *See—*
  - Masuda, Zitsuo; Kinashi, Hiroshi; Tsujimoto, Yoshiharu; and Hirai, Masashi, 4,847,652, Cl. 355-274.000.
  - Tsujimoto, Yoshiharu; Kinashi, Hiroshi; Yui, Yuhi; Noguchi, Teruhiko; and Kawabata, Itaru, 4,827,306, Cl. 355-3.0CH.
- Kinast, Eric K.: *See—*
  - Sapp, Edwin R.; and Kinast, Eric K., 4,848,904, Cl. 356-319.000.
- Kinast, Gunther; Schwenner, Eckhard; Kazda, Stanislav; Knorr, Andreas; and Kayser, Michael, to Bayer Aktiengesellschaft. Circulation active methionine-substituted 1,4-dihydropyridines. 4,808,622, 2-28-89, Cl. 514-356.000.
- Kinast, Gunther; Schuller, Matthias; and Schroder, Theo, to Bayer Aktiengesellschaft. 3-Amino-4,5-dihydroxypiperidines, process for their preparation and their use. 4,871,747, 10-3-89, Cl. 514-315.000.
- Kinast, Robert A.: *See—*
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,866,431, Cl. 340-825.020.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,558, Cl. 340-825.020.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,562, Cl. 340-825.440.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,860, Cl. 379-57.000.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,870,410, Cl. 340-825.020.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,875,039, Cl. 340-825.440.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,876,538, Cl. 340-825.260.
  - Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,878,051, Cl. 340-825.440.
- Kinbara, Hidenori: *See—*
  - Gaku, Morio; and Kinbara, Hidenori, 4,820,769, Cl. 525-113.000.
  - Gaku, Morio; and Kinbara, Hidenori, 4,871,811, Cl. 525-148.000.
- Kinbara, Hiroji: *See—*
  - Goshima, Takahiro; Hattori, Yoshiyuki; Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, 4,799,048, Cl. 340-626.000.
- Kinbara, Kouji, to NEC Corporation. Method of fabricating a multichip package. 4,840,924, 6-20-89, Cl. 437-189.000.
- Kinbara, Minoru; and Toyoda, Hiroaki, to Aisin Seiki Kabushiki Kaisha. Temperature responsive blade shroud-disk for thermostatic water pump. 4,828,455, 5-9-89, Cl. 415-131.000.
- Kinberg, Benjamin. Irridescent drawing or sketching device. 4,801,266, 1-31-89, Cl. 434-85.000.
- Kincaid, Harry R.; and Riggs, Walter S., to IRD Mechanalysis, Inc Vibration transducer mounting. 4,858,470, [illegible]-22-89, Cl. 73-654.000.
- Kincaid, Larry: *See—*
  - Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, 4,822,214, Cl. 406-86.000.
  - Aidlin, Samuel S.; Aidlin, Stephen H.; and Kincaid, Larry, 4,886,567, Cl. 156-423.000.
- Kincaid, Thomas G.: *See—*
  - Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
- Kincheloe, Dan. Roll cage for personal motorized vehicles. 4,813,706, 3-21-89, Cl. 280-756.000.

- Kincheloe, Dan. Motorcycle safety apparel. 4,825,469, 5-2-89, Cl. 2-2.000.
- Kincsessy, Judit: *See—*
  - Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko ; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
- Kindberg, Bengt A., to Larsson, Bjorn, a part interest. Beam and method for the production thereof. 4,819,400, 4-11-89, Cl. 52-693.000.
- Kindberg, Erik; and Lythcke-Jorgensen, Jan, to Aktieselskabet Laur. Knudsen Nordisk Elektricitets Selskab. Electric switch. 4,808,777, 2-28-89, Cl. 200-323.000.
- Kindel, Leslie M.; and Rai, Iqbal S., to Motor Wheel Corporation. Wheel for a track laying vehicle. 4,878,716, 11-7-89, Cl. 305-21.000.
- Kindermann, Richard, to ANT Nachrichtentechnik GmbH. Method of removing the primary protective coating from an optical waveguide. 4,827,676, 5-9-89, Cl. 51-281.00R.
- Kindig, Alan L.: *See—*
  - Frye, Dale J.; Kindig, Alan L.; Lindberg, Kenneth M.; and Stander, Robert J., 4,882,807, Cl. 16-225.000.
- Kindig, James K., to Genesis Research Corporation. Method and composition for decreasing emissions of sulfur oxides and nitrogen oxides. 4,824,441, 4-25-89, Cl. 44-604.000.
- Kindig, Omer L., to Da-Lite Screen Co., Inc. Easel with improved sheet material retainer. 4,826,124, 5-2-89, Cl. 248-452.000.
- Kindle, Betty J.: *See—*
  - Claar, James A.; Thomas, Stephen J.; and Kindle, Betty J., 4,798,746, Cl. 427-407.100.
- Kindleben, Gerd: *See—*
  - Guldner, Ralf; Lasberg, Ingo; Wittmann, Kurt; and Kindleben, Gerd, 4,836,975, Cl. 376-272.000.
- Kindlein, Irmgard: *See—*
  - Reim, Ingeborg; Pohl, Gerhard; Gotzke, Wolfgang; Wahnberger, Dieter; Postel, Lothar; Kindlein, Irmgard; Vatter, Rudolf; and Greschke, Manfred, 4,794,678, Cl. 28-107.000.
- Kindler, Andrew; and Higley, Lin R., to Hughes Aircraft Company. Method for forming a gas-permeable and ion-permeable membrane. 4,865,930, 9-12-89, Cl. 429-192.000.
- Kindler, George U. P.: *See—*
  - Callsen, Georg H.; and Kindler, George U. P., 4,876.905, Cl. 73-866.500.
- Kindler, Gerhard, to Inventio AG. Position control method and apparatus for an elevator drive. 4,887,695, 12-19-89, Cl. 187-116.000.
- Kindler, Hubert: *See—*
  - Schwaben, Hans-Dieter; Echte, Adolf; Bueschl, Rainer; Schlichtmann, Rainer; Klaerner, Peter; and Kindler, Hubert, 4,839,418, Cl. 525-53.000.
- Kindred, Daniel R.: *See—*
  - Shumate, William A.; Kindred, Daniel R.; Antonio, Franklin P.; Gardner, Steven H.; Kelkar, Krishnanand; Bilotta, Thomas R.; and Rogers, Steven L., 4,879,720, Cl. 371-43.000.
- Kindred, Walter M.: *See—*
  - Bailey, James A.; and Kindred, Walter M., 4,848,017, Cl. 40-576.000.
- Kindred, William B. Modeling compound forming toy. 4,815,961, 3-28-89, Cl. 425-544.000.
- Kindschuh, Dennis P.: *See—*
  - Alexander, Richard B.; and Kindschuh, Dennis P., 4,806,840, Cl. 320-20.000.
- Kindt-Larsen, Ture; Heaton, John C.; and Rastrelli, Edmund C., to Vistakon, Inc. Method of forming shaped hydrogel articles including contact lenses. 4,889,664, 12-26-89, Cl. 264-2.600.
- Kindt, Lawrence J.; and Gartner, Ellis M., to W. R. Grace & Co.-Conn. Rice hull ash concrete admixture. 4,829,107, 5-9-89, Cl. 524-3.000.
- Kindt, Lawrence J.: *See—*
  - Rosenberg, Arnold M.; Gaidis, James M.; and Kindt, Lawrence J., 4,888,058, Cl. 106-98.000.
- Kindt, Stefan: *See—*
  - Burghardt, Hartmut; Jahns, Juergen; and Kindt, Stefan, 4,871,222, Cl. 350-96.140.
- Kindtler, Jens W.: *See—*
  - Jensen, Leif H.; Sauerberg, Per; Watjen, Frank; and Kindtler, Jens W., 4,837,241, Cl. 514-340.000.
- Kineret Engineering: *See—*
  - Sturman, Oded E.; Grill, Benjamin; and Harrison, Lynn, 4,857,842, Cl. 324-225.000.
- Kinergy Corporation: *See—*
  - Dumbaugh, George D., 4,844,289, Cl. 222-161.000.
- Kineri, Tobru: *See—*
  - Kawaguchi, Yukio; and Kineri, Tobru, 4,890,087, Cl. 338-22.00R.
- Kinet, Daniel: *See—*
  - Cherbuy, Bernard; Kinet, Daniel; and Estavoyer, Jacques, 4,831,386, Cl. 346-74.200.
- Kinetic Technology, Inc.: *See—*
  - Evans, Joseph M.; and Moore, E. Rex, 4,841,955, Cl. 128-52.000.
- Kinetico, Inc.: *See—*
  - Brown, Keith E., 4,804,465, Cl. 210-136.000.
  - Kirman, Lyle E.; and Seufer, Kenneth C., Jr., 4,863,612, Cl. 210-662.000.
  - Prior, William C.; Ellis, III: George S.; and Crozier, David W., 4,889,623, Cl. 210-190.000.
- Kinetics Technology International: *See—*
  - Tsai, Frank W., 4,879,020, Cl. 208-130.000.
- Kinetics Technology International B.V.: *See—*
  - Visser, Leo; and Laghate, Ashok S., 4,816,138, Cl. 208-179.000.
- King, Brian M. Sound reproduction systems. 4,843,625, 6-27-89, Cl. 381-98.000.
- King, Chi-Hsin R.: *See—*
  - Schnettler, Richard A.; and King, Chi-Hsin R., 4,803,278, Cl. 546-278.000.
- King, Christine A.: *See—*
  - Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Newman, Alec T., 4,853,234, Cl. 426-77.000.
  - Newman, Alec T.; Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Gibbs, Andrew R., 4,873,915, Cl. 99-289.00R.
- King, Clive G.; Padilla, John A.; and Sproulle, Richard J., to Welding Institute, The. Friction welding. 4,811,887, 3-14-89, Cl. 228-2.000.
- King, Daniel P. Closure check. 4,813,100, 3-21-89, Cl. 16-49.000.
- King, Darwin D.: *See—*
  - Dee, Richard H.; Rea, Laurence L.; King, Darwin D.; and Rue, Guy F., 4,849,250, Cl. 427-48.000.
- King, David E., to C & D Engineering Company. Knurling machine and the like. 4,873,856, 10-17-89, Cl. 72-121.000.
- King, David L.; Cooper, Michael D.; and Faber, Michael A., to Catalytica Inc. Acid catalyzed process. 4,868,343, 9-19-89, Cl. 568-697.000.
- King, David M.; and Padley, Frederick B., to Unilever Patent Holdings BV. Substitute milk fat compositions. 4,876,107, 10-24-89, Cl. 426-601.000.
- King, David R.; Lee, Mark S.; and Decker, Richard W., to Westinghouse Electric Corp. Printed circuit boards and method for manufacturing printed circuit boards. 4,847,446, 7-11-89, Cl. 174-68.500.
- King, David W.; and Gibson, Peter J., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Majesty's Government of the. Wide track vehicle. 4,825,969, 5-2-89, Cl. 180-9.100.
- King, David W.: *See—*
  - Allan, Arthur R.; and King, David W., 4,850,458, Cl. 188-134.000.
- King, Dean J.: *See—*
  - Wilkinson, William R.; Webber, Marion G.; and King, Dean J., 4,887,790, Cl. 249-52.000.
- King, Desmond F.: *See—*
  - Hsieh, C. Richard; King, Desmond F.; Pettersen, Frederick A.; and Shargay, Cathleen A., 4,875,996, Cl. 208-157.000.
- King, Donald W.: *See—*
  - Suciu-Foca, Nicole; and King, Donald W., 4,816,404, Cl. 435-240.270.
  - Suciu-Foca, Nicole; and King, Donald W., 4,818,689, Cl. 435-7.000.
- King, Douglass A., to Hoover Company, The. Movable hand grip with actuation. 4,845,803, 7-11-89, Cl. 15-339.000.
- King, Edward: *See—*
  - Burns, Richard; Defendorf, James; King, Edward; and McCarthy, Cornelius, 4,875,773, Cl. 356-328.000.
- King, Edward T.: *See—*
  - Ting, Loi-Lou; Chui, Granger K.; and King, Edward T., 4,856,466, Cl. 123-90.330.
- King, Ethmer W.; Kircher, Robert C., Jr.; and Yotsuuye, David S., to Boeing Company, The. Aircraft descent guide system and method for creating descent guidance information. 4,825,374, 4-25-89, Cl. 364-433.000.
- King, Feather W.: *See—*
  - Liebthal, Siegfried G. V.; and King, Feather W., 4,810,987, Cl. 335-302.000.
- King, Francis D., to Beecham Group, p.l.c. Certain pharmaceutically useful ureas. 4,797,387, 1-10-89, Cl. 514-212.000.
- King, Francis D.; and Joiner, Karen A., to Beecham Group p.l.c. 1-Azabicyclo[3,2,2]nonane derivatives having 5-HT receptor antagonist activity. 4,798,829, 1-17-89, Cl. 514-214.000.
- King, Francis D., to Beecham Group, p.l.c. Heterocyclic ureas and carbonates useful as pharmaceuticals. 4,808,588, 2-28-89, Cl. 514-212.000.
- King, Francis D., to Beecham Group p.l.c. Pharmaceutically useful esters and amides. 4,822,795, 4-18-89, Cl. 514-214.000.
- King, Francis D.; Hadley, Michael S.; and Martin, Roger T., to Beecham Group p.l.c. Azabicyclic benzamide derivatives. 4,826,839, 5-2-89, Cl. 514-214.000.
- King, Francis D., to Beecham Group, p.l.c. Benzamides and benzoates having anti-emetic activity. 4,853,376, 8-1-89, Cl. 514-161.000.
- King, Francis D.; Martin, Roger T.; and Watts, Eric A., to Beecham Group p.l.c. N-('-B-hydroxyethylpiperid-4-yl esters and amides. 4,853,394, 8-1-89, Cl. 514-329.000.
- King, Francis D., to Beecham Group p.l.c. 4-amino-5-chloro-2-methoxy-n-(6-(1-azabicyclo[3,2,1]octyl)benzamide. 4,857,647, 8-15-89, Cl. 546-112.000.
- King, Francis D.; and Joiner, Karen A., to Beecham Group p.l.c. Certain 2,3-dihydro-indole-1-carboxamido-N-[8-azabicyclo(3.2.1)octan-3-yl]derivatives having 5-HT-antagonist activity. 4,871,744, 10-3-89, Cl. 514-299.000.
- King, Francis D., to Beecham Group p.l.c. Certain heterocyclic N-substituted carboxamides. 4,882,327, 11-21-89, Cl. 514-219.000.
- King, Francis D.; Hadley, Michael S.; and Martin, Roger T., to Beecham Group p.l.c. Azabicyclic intermediates. 4,883,874, 11-28-89, Cl. 544-47.000.
- King, Francis D., to Beecham Group p.l.c. Indazolyl carboxylic acid amides useful for treating migraine clusters headache, trigeminal neuralgia or emesis. 4,886,808, 12-12-89, Cl. 514-299.000.
- King, Gary R., to King, Richard D. Impregnated corrugted sheets for packing boxes and method of manufacture. 4,826,714, 5-2-89, Cl. 428-34.200.

- King, George C.; and Read, Frank H. Charged particle optical systems having therein means for correcting aberrations. 4,823,003, 4-18-89, Cl. 250-305.000.
- King, Guy L.; and Schneider, William C., to United States of America, Administrator, National Aeronautics and Space Administration. Double swivel toggle release. 4,864,910, 9-12-89, Cl. 89-1.140.
- King, Harvey M., to Brown, Robert A., Jr. Method and apparatus for handling fuel. 4,798,191, 1-17-89, Cl. 123-557.000.
- King, Homer F.: *See—*
  - King, Michael; and King, Homer F., 4,881,787, Cl. 312-42.000.
- King, Howard E.: *See—*
  - Wong, Jimmy L. Y.; and King, Howard E., 4,860,020, Cl. 343-828.000.
- King, Hurley D.: *See—*
  - Goers, John W. F.; King, Hurley D.; Lee, Chyi; Coughlin, Daniel J.; Alvarez, Vernon L.; Rodwell, John D.; and McKearn, Thomas J., 4,867,973, Cl. 424-85.910.
- King Industries, Inc.: *See—*
  - Blank, Werner J., 4,820,830, Cl. 560-158.000.
  - Calbo, Leonard J., Jr.; and Gallacher, Lawrence V., 4,888,441, Cl. 560-198.000.
- King Instrument Corporation: *See—*
  - Woodley, George M.; McGrail, Richard A.; Powers, Stephen J.; and Ross, William W., 4,858,841, Cl. 242-56.00R.
- King, James A., to J. I. Case Company. Engine component heating and cooling assembly. 4,858,565, 8-22-89, Cl. 123-41.310.
- King, James C.: *See—*
  - Pratt, Richard J.; and King, James C., 4,806,396, Cl. 428-4.000.
- King, James J.: *See—*
  - Frank, James P.; and King, James J., 4,834,679, Cl. 439-709.000.
- King, James L., to A.O. Smith Corporation. Fault detector for electric motor and control. 4,808,865, 2-28-89, Cl. 310-71.000.
- King, James L., to General Electric Company. Lanced strip, dynamoelectric machine, core, and stationary assembly. 4,868,439, 9-19-89, Cl. 310-217.000.
- King, Jeffrey F.; Matthews, Charles W.; and Batman, Eric S., to Ethyl Corporation. Phenol alkylation process. 4,870,216, 9-26-89, Cl. 568-789.000.
- King, Jeffrey F.: *See—*
  - Wiker, Steven L.; Matthews, Charles W; and King, Jeffrey F., 4,870,215, Cl. 568-789.000.
- King, Jerry, to Koch Industries, Inc. Fragrance composition and method. 4,849,400, 7-18-89, Cl. 512-2.000.
- King Jim Co., Ltd.: *See—*
  - Ishii, Kuniaki, 4,844,261, Cl. 206-444.000.
  - Mizutani, Satoshi, 4,867,479, Cl. 281-48.000.
  - Ohminato, Kiyoshi, 4,815,882, Cl. 402-34.000.
  - Osono, Katsuo, 4,820,075, Cl. 402-79.000.
- King, John B., to Pace Technologies, Inc. Wetland crossing bridge assembly. 4,825,494, 5-2-89, Cl. 14-73.000.
- King, John J.: *See—*
  - Fiske, Roger I.; King, John J.; and Adams, David G., 4,827,692, Cl. 53-244.000.
- King, John P.: *See—*
  - Friedman, Joseph S.; King, John P.; and Pride, Joseph P., III, 4,888,593, Cl. 342-387.000.
- King, Karl P. Multi-layered target. 4,810,561, 3-7-89, Cl. 428-195.000.
- King, Kenneth R.: *See—*
  - Symonds, Darrell; King, Kenneth R.; and Smith, William N., 4,796,939, Cl. 294-67.100.
- King, Kevin K.: *See—*
  - Eden, J. Gary; King, Kevin K.; and Tavitian, Viken, 4,843,030, Cl. 437-88.000.
- King, L. Tony, to Komax Systems, Inc. Dual viscosity mixer. 4,808,007, 2-28-89, Cl. 366-337.000.
- King, L. Tony, to Komax Systems, Inc. Rotary mixer. 4,886,368, 12-12-89, Cl. 366-150.000.
- King, Lael D., to Electronic Control Systems, Inc. Vehicle speed regulating system. 4,867,261, 9-19-89, Cl. 180-179.000.
- King, Lael D., to Electronic Control Systems, Inc. Vehicle speed limiting system. 4,887,684, 12-19-89, Cl. 180-179.000.
- King, Lawrence A.; and Andrews, Peter J., to Texas Instruments Incorporated. Differential amplifier with low noise offset compensation. 4,884,039, 11-28-89, Cl. 330-253.000.
- King, Lisa: *See—*
  - Wilson, Stephen; and King, Lisa, 4,851,204, Cl. 425-305.000.
- King, Lloyd L.: *See—*
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- King, Marvin: *See—*
  - Naiman, Charles S.; King, Marvin; and Greenebaum, Michael, 4,836,672, Cl. 356-5.000.
- King, Michael; and King, Homer F., to H. King and Associates. Package storage, display and dispensing apparatus. 4,881,787, 11-21-89, Cl. 312-42.000
- King, Michael F., to General Motors Corporation. Shift inhibit valve for a transmission control. 4,858,501, 8-22-89, Cl. 74-868.000.
- King, Michael I. H.: *See—*
  - Kalnitsky, Alexander; King, Michael I. H.; and Hadaway, Robert A., 4,868,618, Cl. 357-23.500.
- King, Michael J.; Flynn, Robert A.; and Torrez, Henry, to Oliver Rubber Company. Method and apparatus for replacing sidewall of tire. 4,869,759, 9-26-89, Cl. 156-96.000.
- King, Mynor. Combination chair and luggage carrier. 4,824,167, 4-25-89, Cl. 297-129.000.
- King, Patrick D., to Flo-Con Systems, Inc. Injection valve components and method. 4,799,649, 1-24-89, Cl. 266-45.000.
- King, Patrick D., to Flo-Con Systems, Inc. Injection valve components and method. 4,824,079, 4-25-89, Cl. 266-44.000.
- King, Peter J.: *See—*
  - Hendry, Dennis J.; and King, Peter J., 4,824,374, Cl. 434-22.000.
- King, Raymond E. J.: *See—*
  - Baker, Ian M.; and King, Raymond E. J., 4,845,540, Cl. 357-24.000.
- King, Richard D.; and Brockway, Barbara E., to University of Reading of Whiteknights House, The. Treatment of wool materials. 4,834,765, 5-30-89, Cl. 8-128.300.
- King, Richard D.: *See—*
  - King, Gary R., 4,826,714, Cl. 428-34.200.
- King, Richard T. Spacer element for multiglazed windows and windows using the element. 4,835,926, 6-6-89, Cl. 052-171.000.
- King, Robert C.: *See—*
  - Kenworthy, Milton J.; and King, Robert C., 4,852,355, Cl. 60-751.000.
- King, Robert D., to General Electric Company. Combined electric starter and alternator system using a permanent magnet synchronous machine. 4,862,009, 8-29-89, Cl. 290-22.000.
- King, Robert E. Stabilized binary tree protocol. 4,796,023, 1-3-89, Cl. 340-825.020.
- King, Roswell E., III; and Petty, Herbert E., to Union Carbide Corporation. Method for crosslinking reactive polyolefins via a rhodium catalyzed hydrosilation reaction using polyorganosiloxane crosslinkers. 4,831,081, 5-16-89, Cl. 525-105.000.
- King, Russell A.: *See—*
  - Brown, John R.; Graham, Nigel K.; and King, Russell A., 4,842,037, Cl. 164-45.000.
- King-Seeley Thermos Company: *See—*
  - Hanagan, Joseph J.; and Raymer, Doyle, 4,817,583, Cl. 126-41.00R.
  - Lanzani, Emanucle, 4,856,712, Cl. 239-106.000.
  - Lind, LeRoy, 4,822,996, Cl. 250-222.100.
  - Mrugala, Ronald J.; Raymer, Doyle; Negandhi, Dipak J.; and Latzko, Robert L., 4,881,380, Cl. 62-389.000.
- King, Shaylor E., to QMP, Inc. Seat arm rest assembly. 4,807,935, 2-28-89, Cl. 297-417.000.
- King-Smith, Anthony D.: *See—*
  - Dyson, Clive M.; King-Smith, Anthony D.; and Yassate, Mohamad H., 4,858,233, Cl. 371-9.000.
  - Yassaie, Mohamad H.; King-Smith, Anthony D.; and Dyson, Clive M., 4,835,725, Cl. 364-736.000.
- King, Stanley S. T., to Dow Chemical Company, The. Oxidative coupling of methyl-substituted benzenes. 4,814,537, 3-21-89, Cl. 585-428.000.
- King, Stella W.: *See—*
  - Baldwin, John J.; Ponticello, Gerald S.; Remy, David C.; Claremon, David A.; and King, Stella W., 4,803,286, Cl. 514-431.000.
- King, Stephen H.: *See—*
  - Breen, Thomas J.; and King, Stephen H., 4,817,310, Cl. 40-299.000.
- King, Stephen P.; and Hughes, Christopher I., to Westland Group plc. Method and apparatus for reducing vibration of a helicopter fuselage. 4,819,182, 4-4-89, Cl. 364-508.000.
- King, Stephen W., to Union Carbide Corporation. Heterogeneous alkoxylation using anion-bound metal oxides. 4,873,017, 10-10-89, Cl. 252-183.110.
- King, Steven E.: *See—*
  - Lim, Chun B.; Chaney, Richard; Jih, Felix; Johnson, Tim; and King, Steven E., 4,808,826, Cl. 250-363.00R.
- King, Taudevin & Gregson (Holdings) Limited: *See—*
  - Argent, Ronald D., 4,831,633, Cl. 373-32.000.
  - Roberts, David; and Stuart, Johnson H., 4,820,328, Cl. 65-134.000.
- King, Waldon O.; and McShane, Michael E., to King, Waldon O.; McShane, Michael E.; and Donovan, Richard T. Thermodynamic electronic actuator for building heating/air conditioning system. 4,863,099, 9-5-89, Cl. 236-46.00R.
- King, William B.: *See—*
  - Hrametz, Andrew A.; and King, William B., 4,852,401, Cl. 73-155.000.
- King, William L., to Samsonite Corporation. Garment bag support hook. 4,858,867, 8-22-89, Cl. 248-214.000.
- King, William L.; Elles, Daniel G.; and Koontz, David A., to Samsonite Corporation. Packing system for luggage case. 4,863,018, 9-5-89, Cl. 206-290.000.
- King, William L., Jr.: *See—*
  - Hainsworth, Thomas E.; and King, William L., Jr., 4,802,096, Cl. 364-461.000.
- King, William M.: *See—*
  - Tang, Man-Wing; King, William M.; and Wensley, C. Glen, 4,855,048, Cl. 210-500.300.
- Kinge, Nigel; Sanderson, Neil E.; and Mills, David J., to VG Instruments Group Limited. Mass spectrometer including cooling for the ion collection amplifiers. 4,883,957, 11-28-89, Cl. 250-283.000.
- Kingery, Charles N.; and Sullivan, John D., Jr., to United States of America, Army. Blast focusing method and apparatus. 4,815,385, 3-28-89, Cl. 102-320.000.
- Kingham, James R. Fixture and method of laying shingles on the surface of a roof or vertical wall. 4,860,518, 8-29-89, Cl. 52-748.000.
- Kinghorn, Alan D.; Compadre, Cesar M.; and Pezzuto, John M., to Board of Trustees, University of Illinois. Low cariogenic sweetening agents. 4,808,409, 2-28-89, Cl. 424-439.000.
- Kinghorn, Mark D., Jr. Seal for floating roof. 4,811,859, 3-14-89, Cl. 220-224.000.

- Kinghorn, Robert E. Method and apparatus for repairing submerged liners. 4,867,608, 9-19-89, Cl. 405-188.000.
- Kingman, Donald D.: *See—*
  - Holt, J. Birch; Kingman, Donald D.; and Bianchini, Gregory M., 4,877,759, Cl. 501-96.000.
- Kingman, John E. E.: *See—*
  - Gard, Michael F.; Kingman, John E. E.; and Klein, James D., 4,837,518, Cl. 324-368.000.
- Kingport International Corporation: *See—*
  - Gerch, Edward L., 4,805,748, Cl. 190-103.000.
  - Gerch, Edward L., 4,805,749, Cl. 190-111.000.
  - Gerch, Edward L.; and Rosenfeld, Warner D., 4,819,796, Cl. 206-291.000.
  - Gerch, Edward L.; and Rosenfeld, Warner D., 4,830,154, Cl. 190-103.000.
  - Gerch, Edward L., 4,860,563, Cl. 70-456.00R.
- Kings Electronics Co., Inc.: *See—*
  - Rosenfeld, Seymour; and Antonini, Gino, 4,810,206, Cl. 439-325.000.
  - Salvador, Victor L.; and Triunfo, John A., 4,804,344, Cl. 439-877.000.
- Kingsbury, Jeffrey M., to Sola USA, Inc. Method of molding using gated dies. 4,839,110, 6-13-89, Cl. 264-2.200.
- Kingsbury, Jeffrey M.: *See—*
  - Spector, David P.; and Kingsbury, Jeffrey M., 4,836,960, Cl. 264-2.200.
- Kingsbury, Philip C. O.; and Follansbee, Roger V., to Automation Facilities Limited. Microfloppy disc drive head cleaner. 4,868,699, 9-19-89, Cl. 360-128.000.
- Kingsford, Kenji A., to Mace Corporation. Torque lock fitting arrangement. 4,799,717, 1-24-89, Cl. 285-341.000.
- Kingsford, Kenji A., to Mace Corporation. Double shield fitting. 4,871,196, 10-3-89, Cl. 285-138.000.
- Kingsford, Ted I., to Plough, Inc. Loose make-up powder container. 4,832,060, 5-23-89, Cl. 132-293.000.
- Kingsley, Christopher, to VLSI Technology, Inc. Method of positioning two modules having angled edges. 4,872,103, 10-3-89, Cl. 364-153.000.
- Kingsley, George; and Shallice, Christopher, to CF Systems Corporation. Mixing apparatus. 4,848,918, 7-18-89, Cl. 366-262.000.
- Kingsley, I. Stephen, to Cusinecrafts, Inc. Rapid nonfermentative pickling process. 4,844,929, 7-4-89, Cl. 426-326.000.
- Kingsley Nominees Pty. Ltd.: *See—*
  - Bayly, Peter K., 4,836,688, Cl. 366-342.000.
- Kingsley, Richard J., to Saturn Corporation. Vehicular rain skirts. 4,817,976, 4-4-89, Cl. 280-154.000.
- Kingsley, Richard J., to Saturn Corporation. Vehicle exterior sun visor. 4,842,320, 6-27-89, Cl. 296-95.100.
- Kingston, Robert H.; and Leonberger, Frederick J., to Massachusetts Institute of Technology. Spatial light modulator. 4,865,427, 9-12-89, Cl. 350-355.000.
- Kingston, Samuel C., to Unisys Corporation. Variable rate rectangular matched filter. 4,808,939, 2-28-89, Cl. 328-167.000.
- Kingston, Samuel C., to Unisys Corporation. Digital phase shifter. 4,841,552, 6-20-89, Cl. 377-43.000.
- Kingston, Samuel C.; and Zscheile, John W., Jr., to Unisys Corporation. Coherent pseudonoise code tracking loop. 4,852,121, 7-25-89, Cl. 375-1.000.
- Kingston, Samuel C.: *See—*
  - Lundquist, Alan E.; Kingston, Samuel C.; Spencer, Billie M.; and Zscheile, John W., Jr., 4,817,113, Cl. 375-1.000.
- Kingston Technologies, Inc.: *See—*
  - Thakore, Yatin B.; Swanson, Karen L.; and Stoy, Vladimir A., 4,828,705, Cl. 210-636.000.
- Kingston, William. Multi-cycle sea bed traversing system. 4,860,487, 8-29-89, Cl. 43-102.000.
- Kini, M. Vittal; Myers, Mark S.; and Shenoy, Sunil, to Intel Corporation. Methods and circuits for checking integrated circuit chips having programmable outputs. 4,821,271, 4-11-89, Cl. 371-68.000.
- Kini, M. Vittal: *See—*
  - Honeck, Karl-Heinz; Johnson, David; Neugebauer, Manfred; Teutsch, Walter; Kini, M. Vittal; and Stacey, Steven C., 4,800,532, Cl. 365-226.000.
- Kiniry, Sam. Trash bag support device. 4,848,709, 7-18-89, Cl. 248-101.000.
- Kiniwa, Hideaki: *See—*
  - Kusano, Hiroshi; Kiniwa, Hideaki; Shimura, Akihiro; and Annaka, Masahiko, 4,851,382, Cl. 502-401.000.
- Kinjo, Hisao: *See—*
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  - Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, 4,886,721, Cl. 430-59.000.
- Kinka, Mikio: *See—*
  - Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.
  - Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
  - Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.
  - Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.
  - Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.
- Kinkead, Clifford W. Water cooling tower and water level control system therefor. 4,836,239, 6-6-89, Cl. 137-413.000.
- Kinkel, Joachim: *See—*
  - Blaschke, Gottfried; Fraenkel, Werner; Broker, Werner; and Kinkel, Joachim, 4,882,048, Cl. 210-198.200.
- Kinkel, John F., to Hughes Aircraft Company. Phase lock loop with switchable filter for acquisition and tracking modes. 4,855,689, 8-8-89, Cl. 331-17.000.
- Kinkel, Peter J., III: *See—*
  - Kinkel, Stephen W.; and Kinkel, Peter J., III, 4,828,312, Cl. 296-37.600.
- Kinkel, Stephen W.; and Kinkel, Peter J., III, to Superior Industries International, Inc. Collapsible security storage apparatus for truck beds. 4,828,312, 5-9-89, Cl. 296-37.600.
- Kinkelaar, Edmund W.: *See—*
  - Pekar, Howard G.; Kinkelaar, Edmund W.; and Gira, Gerald T., 4,849,264, Cl. 427-388.100.
- Kinki Denki Co., Ltd.: *See—*
  - Tomita, Masao, 4,821,139, Cl. 361-124.000.
- Kinlen, Patrick J.; and Heider, John E., to Monsanto Company. Solid state indicator electrode and method of making same. 4,818,365, 4-4-89, Cl. 204-433.000.
- Kinlen, Patrick J.: *See—*
  - Bashkin, James K.; and Kinlen, Patrick J., 4,857,167, Cl. 204-435.000.
- Kinnaird, Michael G.: *See—*
  - Burke, John J.; Roelofs, Robert R.; and Kinnaird, Michael G., 4,835,149, Cl. 514-168.000.
- Kinnan, Frank R., to Underground Technologies, Inc. Device for detecting and measuring the tension on a cable. 4,842,207, 6-27-89, Cl. 242-54.00R.
- Kinnan, Frank R., to Underground Technologies, Inc. Self-propelled subsoil penetrating tool system. 4,858,703, 8-22-89, Cl. 175-19.000.
- Kinnan, Frank R., to Underground Technologies, Inc. Service cable for a subsoil penetrating tool and method of preventing rotation of the cable when in use. 4,866,214, 9-12-89, Cl. 174-47.000.
- Kinnan, Frank R., to Conductron Corporation. Cable sealing device and method. 4,886,939, 12-12-89, Cl. 174-77.00R.
- Kinnard, J. R.; and Oliver, Dennis N., to International Business Machines Corporation. Power supply for electroluminescent panel. 4,859,911, 8-22-89, Cl. 315-169.300.
- Kinne, Arnold L. Carpenters hammer double jolt. 4,831,901, 5-23-89, Cl. 81-25.000.
- Kinneberg, Peter A.; and Armer, Thomas A., to Shell Oil Company. Laminar structures prepared with polyketone structural adhesives. 4,871,618, 10-3-89, Cl. 428-461.000.
- Kinneberg, Peter A.; Armer, Thomas A.; van Breen, Adriaan W.; Barton, Roger E. C.; and Klei, Ebel, to Shell Oil Company. Polyketone-based structural adhesive. 4,880,904, 11-14-89, Cl. 528-392.000.
- Kinnebrew, Earl, II; and Palmer, Paul D., Sr., to Rhema Enterprises Inc. Thread dyeing apparatus and method. 4,875,348, 10-24-89, Cl. 68-200.000.
- Kinnebrew, Earl, II; and Palmer, Paul D., Sr., to Rhema Enterprises Inc. Thread dyeing apparatus and method. 4,886,515, 12-12-89, Cl. 8-149.000.
- Kinner, James. Flywheel resurfacing method and apparatus. 4,825,596, 5-2-89, Cl. 51-281.0SF.
- Kinnersley, Alan M.; Scott, Taylor C., III; Yopp, John H.; and Whitten, George H., to CPC International Inc. Method for regulating plant growth. 4,813,997, 3-21-89, Cl. 71-66.000.
- Kinnersley, Alan M.: *See—*
  - Danzig, Morris J.; and Kinnersley, Alan M., 4,799,953, Cl. 71-98.000.
  - Danzig, Morris J.; and Kinnersley, Alan M., 4,806,149, Cl. 71-100.000.
- Kinney, Alan C.: *See—*
  - Mulreany, Patrick A.; Kinney, Alan C.; and Presley, Donald C., 4,838,856, Cl. 604-65.000.
- Kinney, Jerry N., to PPG Industries, Inc. Method of preparing an asbestos diaphragm. 4,806,214, 2-21-89, Cl. 204-98.000.
- Kinney, Jerry N., to PPG Industries, Inc. Method of preparing an asbestos diaphragm. 4,869,793, 9-26-89, Cl. 204-98.000.
- Kinney, Jerry N., to PPG Industries, Inc. Method of preparing an asbestos diaphragm. 4,879,009, 11-7-89, Cl. 204-98.000.
- Kinney, John W., Jr.; and Graham, John W., to Astro Met Associates, Inc. Ceramic composition. 4,839,049, 6-13-89, Cl. 210-510.100.
- Kinney, Ohler L., Jr.; and Houx, James R., Jr., to Marley Cooling Tower Company, The. Plastic fill sheet for water cooling tower with air guiding spacers. 4,801,410, 1-31-89, Cl. 261-112.200.
- Kinney, Ohler L., Jr.; and Bugler, Thomas W., III, to Marley Cooling Tower Company, The. Multi-level film fill industrial cross flow water cooling tower. 4,826,636, 5-2-89, Cl. 261-23.100.
- Kinney, Sam E.: *See—*
  - DeVore, Richard A.; and Kinney, Sam E., 4,888,017, Cl. 623-10.000.

- Kinney, Terrance R.; Emo, Stephen M.; and Poorman, Richard N., to Allied-Signal Inc. Optical spectral analyzer. 4,852,079, 7-25-89, Cl. 370-3.000.
- Kinney, Terrance R.; and Arnett, Eric M., to Allied-Signal Inc. Method to decode relative spectral data. 4,857,726, 8-15-89, Cl. 250-226.000.
- Kinney, Terrance R.: *See—*
  - Emo, Stephen M.; and Kinney, Terrance R., 4,843,232, Cl. 250-225.000.
- Kinney, William A.; and Lee, Nancy E., to American Home Products Corporation. 2-Pyridinecarbothioamides and pharmaceutical compositions comprising the same. 4,873,238, 10-10-89, Cl. 514-227.800.
- Kinney, William A.; Failli, Amadeo A.; and Mir, Ghulam N., to American Home Products Corporation. 2-pyridinecarbothioamides and pharmaceutical compositions comprising the same useful as anti ulcer agents. 4,886,821, 12-12-89, Cl. 514-357.000.
- Kinnick, John F.; and Kozlowski, Chester P., to Dominion Tool & Die Company, Inc. Wheel/tire load simulating apparatus. 4,886,101, 12-12-89, Cl. 157-1.220.
- Kinnunen, Jorma, to Oy Wartsila AB. Paper web cut-off device. 4,827,820, 5-9-89, Cl. 83-587.000.
- Kinny, David L.: *See—*
  - Rice, Frank L.; and Kinny, David L., 4,869,231, Cl. 126-214.00R.
- Kino, Gordon S.; and Corle, Timothy R., to Leland Stanford Junior University, The Board of Trustees of the. Variable focus optical system and method using electro-optic material. 4,861,975, 8-29-89, Cl. 250-201.000.
- Kino, Gordon S.: *See—*
  - Risk, William P.; and Kino, Gordon S., 4,872,738, Cl. 350-96.290.
- Kino, Masayoshi, to Yamaha Corporation. System for selecting accompaniment patterns in an electronic musical instrument. 4,864,908, 9-12-89, Cl. 84-638.000.
- Kino, Takuya: *See—*
  - Tamaki, Yoji; Kino, Takuya; Ito, Takashi; and Nakamura, Akihiko, 4,860,461, Cl. 34-68.000.
- Kino, Yoshihiro: *See—*
  - Matsui, Isamu; Uchida, Hiroshi; Otojima, Hirao; and Kino, Yoshihiro, 4,880,176, Cl. 242-35.60E.
- Kinomura, Keisuke; Kitazawa, Sadaya; Takata, Yasushi; and Sakakibara, Toshiyuki, to Nippon Fine Chemical Co., Ltd. Glycosidation catalust and process for preparing glycoside derivatives. 4,874,852, 10-17-89, Cl. 536-18.600.
- Kinoshita, Akira: *See—*
  - Sugaiwa, Takayuki; Kinoshita, Akira; and Sawada, Kiyoshi, 4,842,971, Cl. 430-64.000.
- Kinoshita, Akiyo: *See—*
  - Nakae, Yoshio; Kinoshita, Akiyo; and Tanaka, Koichi, 4,811,521, Cl. 51-5.00D.
- Kinoshita, Atsufumi; and Tamai, Hiroshi, to Kokusan Denki Co., Ltd. Ignition system for internal combustion engine. 4,809,661, 3-7-89, Cl. 123-418.000.
- Kinoshita, Fumio: *See—*
  - Kano, Yuji; Okamura, Tsurusaburo; Fukushi, Seiji; and Kinoshita, Fumio, 4,848,599, Cl. 222-402.000.
- Kinoshita, Futoru: *See—*
  - Kobayashi, Motonobu; Kinoshita, Futoru; Mitsui, Kiichiro; and Inoue, Akira, 4,854,123, Cl. 60-274.000.
- Kinoshita, Haruhisa, to Oki Electric Industry Co., Ltd. Dry process apparatus. 4,842,707, 6-27-89, Cl. 204-298.000.
- Kinoshita, Haruo: *See—*
  - Koguchi, Toshio; and Kinoshita, Haruo, 4,814,244, Cl. 430-30.000.
- Kinoshita, Hideaki: *See—*
  - Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.
- Kinoshita, Hiroshi: *See—*
  - Iwaki, Masato; Okamoto, Ikuo; Ushijima, Kenji; and Kinoshita, Hiroshi, 4,823,642, Cl. 74-860.000.
  - Obara, Haruki; Aso, Toshiyuki; and Kinoshita, Hiroshi, 4,816,636, Cl. 219-69.00W.
  - Obara, Haruki; Aso, Toshiyuki; Kinoshita, Hiroshi; and Ishibashi, Tamotsu, 4,818,848, Cl. 219-69.120.
  - Ohba, Toshihiro; Kinoshita, Hiroshi; Kanatani, Yoshiharu; and Uede, Hisashi, 4,801,920, Cl. 340-781.000.
- Kinoshita, Hiroyuki: *See—*
  - Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.
- Kinoshita, Hisao: *See—*
  - Watanabe, Yoshihisa; Takeda, Makoto; Kinoshita, Hisao; and Fujishima, Akiko, 4,849,496, Cl. 528-271.000.
- Kinoshita, Humiaki, to Murata Manufacturing Co., Ltd. DC cutting circuit. 4,800,343, 1-24-89, Cl. 333-24.00C.
- Kinoshita, Hutoru: *See—*
  - Kobayashi, Motonobu; Inoue, Akira; Hagi, Mitsuharu; Nagai, Tsuyoshi; and Kinoshita, Hutoru, 4,814,153, Cl. 423-213.200.
- Kinoshita, Junichi; Morinaga, Motoyasu; Furuyama, Hideto; and Hirayama, Yuzo, to Kabushiki Kaisha Toshiba. Semiconductor light-emitting device and method of manufacturing the same. 4,870,468, 9-26-89, Cl. 357-17.000.
- Kinoshita, Junichi: *See—*
  - Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
- Kinoshita, Katsunori: *See—*
  - Fukuoka, Yoshioki; Hamajima, Kazuo; Takaba, Michioki; Suzuki, Yoshimi; Seki, Shinpei; Kinoshita, Katsunori; and Mizuno, Akihiro, 4,867,299, Cl. 198-435.000.
- Kinoshita, Katsuyuki; Koishi, Musubu; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Streak camera unit with elliptical deflection. 4,801,796, 1-31-89, Cl. 250-213.0VT.
- Kinoshita, Kazumi: *See—*
  - Takato, Kenji; Kinoshita, Kazumi; Tojo, Toshiro; and Yamamoto, Yuzo, 4,827,503, Cl. 379-373.000.
  - Tojo, Toshiro; Takato, Kenji; Kinoshita, Kazumi; and Yamamoto, Yuzo, 4,862,309, Cl. 361-56.000.
- Kinoshita, Kazunori: *See—*
  - Hibino, Eiichi; Kawakita, Kiyoshi; Yamamoto, Takami; Kinoshita, Kazunori; and Takase, Shigeki, 4,841,414, Cl. 361-424.000.
  - Ito, Katsuo; Kinoshita, Kazunori; and Tsuji, Kazuhiro, 4,816,613, Cl. 174-35.00R.
- Kinoshita, Kazuto: *See—*
  - Ueno, Toru; Fukuoka, Youichi; Baba, Seiichi; Miyoshi, Kaoru; and Kinoshita, Kazuto, 4,871,910, Cl. 250-560.000.
- Kinoshita, Keichi: *See—*
  - Johdai, Akiyoshi; Kinoshita, Keichi; Kubota, Kazuyuki; Matsui, Toshio; Yamada, Hirokazu; and Ohta, Masaya, 4,814,825, Cl. 355-14.0SH.
  - Johdai, Akiyoshi; Kinoshita, Keichi; and Matsui, Toshio, 4,852,867, Cl. 270-53.000.
- Kinoshita, Kenji: *See—*
  - Yaginuma, Satoshi; Awata, Masashi; Takada, Masaki; and Kinoshita, Kenji, 4,801,697, Cl. 536-4.100.
- Kinoshita, Kiyoshi, to Kabushiki Kaisha Toshiba. Multiprocessor system and control method therefor. 4,812,973, 3-14-89, Cl. 364-200.000.
- Kinoshita, Kiyoshi, to Kabushiki Kaisha Toshiba. Multiprocessor system and control method therefor. 4,866,597, 9-12-89, Cl. 364-200.000.
- Kinoshita, Masafumi; Maeda, Shuichi; and Urabe, Akira, to Dainippon Ink and Chemicals, Inc. Powdery copolymers of vinyl ester-ethylene. 4,870,118, 9-26-89, Cl. 523-207.000.
- Kinoshita, Masafumi: *See—*
  - Asada, Toshiyuki; Kubo, Seitoku; Nakamura, Shinya; Kinoshita, Masafumi; and Kuroda, Takaaki, 4,879,921, Cl. 74-467.000.
- Kinoshita, Masaharu: *See—*
  - Shikata, Toshio; Tokoro, Hirokazu; Nishimura, Takanobu; Kinoshita, Masaharu; and Masuda, Norio, 4,867,803, Cl. 148-3.000.
- Kinoshita, Masahide; Tajima, Hatsuo; Hoshika, Norihisa; Tajika, Hiroshi; and Hosoi, Atsushi, to Canon Kabushiki Kaisha. Developing apparatus using magnetic particles and toner particles. 4,887,131, 12-12-89, Cl. 355-253.000.
- Kinoshita, Masahide: *See—*
  - Tajima, Hatsuo; Hosoi, Atsushi; Hoshika, Norihisa; Tajika, Hiroshi; and Kinoshita, Masahide, 4,873,551, Cl. 355-251.000.
- Kinoshita, Masao: *See—*
  - Kato, Shuichiro; Kinoshita, Yoshihiro; and Kinoshita, Masao, 4,830,100, Cl. 165-104.140.
- Kinoshita, Masayasu: *See—*
  - Asano, Kazuo; Takai, Toshihiro; and Kinoshita, Masayasu, 4,826,421, Cl. 425-403.100.
- Kinoshita, Masayoshi: *See—*
  - Kobayashi, Yoshio; Tojo, Chiaki; and Kinoshita, Masayoshi, 4,796,547, Cl. 110-263.000.
- Kinoshita, Michitaka: *See—*
  - Kondo, Hiroki; Saito, Hiroaki; Katsumata, Makoto; and Kinoshita, Michitaka, 4,812,138, Cl. 439-865.000.
- Kinoshita, Mikio; Ohta, Wasaburo; and Miyabori, Toru, to Ricoh Company, Ltd. Apparatus for forming a thin film. 4,876,984, 10-31-89, Cl. 118-723.000.
- Kinoshita, Mikio: *See—*
  - Ohta, Wasaburo; Katuragawa, Tadao; and Kinoshita, Mikio, 4,854,265, Cl. 118-723.000.
- Kinoshita, Mitsuo; Ito, Tetsuo; Mikawa, Hiroji; and Chino, Koichi, to Hitachi, Ltd. Method and apparatus for controlling centrifugal thin film dryer. 4,872,948, 10-10-89, Cl. 159-6.200.
- Kinoshita, Mitsuo: *See—*
  - Gamo, Gotaro; and Kinoshita, Mitsuo, 4,843,203, Cl. 219-69.120.
- Kinoshita, Naoyoshi; Higashi, Toshikazu; Matsuuchi, Yasuyuki; Hatta, Yoshihiko; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying apparatus capable of forming a composite image of an outline image and a normal image. 4,866,474, 9-12-89, Cl. 355-218.000.
- Kinoshita, Naoyoshi: *See—*
  - Miyamoto, Hirohisa; and Kinoshita, Naoyoshi, 4,890,138, Cl. 355-246.000.
- Kinoshita, Osamu, to Kabushiki Kaisha Toshiba. Semiconductor laser driving device for stabilizing the optical output thereof. 4,884,280, 11-28-89, Cl. 372-38.000.
- Kinoshita, Ryoji; Misawa, Keizou; Watanabe, Hideaki; Aoki, Hidehiko; Kurokawa, Toshio; and Ono, Hidefumi, to Kawatetsu Kenzai Kogyo Co., Ltd.; and Miyoshi Shokai Co., Ltd. Fire-resistant open joint structure and its method. 4,825,617, 5-2-89, Cl. 52-573.000.
- Kinoshita, Sakan: *See—*
  - Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.
- Kinoshita, Seiichiro, to NEC Corporation. Vector data processing system comprising an I/O control for each vector data processor and another I/O control for at least one other vector data processor. 4,860,245, 8-22-89, Cl. 364-900.000.

Kinoshita, Shigeo; Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kanai, Takao; and Yokoi, Syouichiro, to Clarion Co., Ltd. Pinch roller driving mechanism. 4,828,158, 5-9-89, Cl. 226-182.000.
Kinoshita, Shigeo: *See—*
Kanai, Takao; Yamaguchi, Katsumi; Kinoshita, Shigeo; Yoshikawa, Kikuo; and Yokoi, Syouichiro, 4,835,636, Cl. 360-96.500.
Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kinoshita, Shigeo; Kanai, Takao; and Yokoi, Syouichiro, 4,872,075, Cl. 360-85.000.
Kinoshita, Tadayoshi: *See—*
Nikaido, Masaru; Ouchi, Yoshiaki; Kinoshita, Tadayoshi; Watanabe, Reiko; and Sugai, Shinzo, 4,835,548, Cl. 346-76.0PH.
Kinoshita, Taizo; Tanaka, Satoshi; Tanaka, Hirotoshi; Kotera, Nobuo; and Nagata, Minoru, to Hitachi, Ltd. Amplifying circuit. 4,881,044, 11-14-89, Cl. 330-253.000.
Kinoshita, Taizo: *See—*
Kotera, Nobuo; Yamashita, Kiichi; Kinoshita, Taizo; Tanaka, Hirotoshi; Tanaka, Satoshi; and Nagata, Minoru, 4,857,769, Cl. 307-450.000.
Tanaka, Hirotoshi; Tanaka, Satoshi; Kinoshita, Taizo; Kotera, Nobuo; and Nagata, Minoru, 4,825,145, Cl. 323-315.000.
Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, 4,847,550, Cl. 323-313.000.
Kinoshita, Takao; and Maeda, Masaya, to Canon Kabushiki Kaisha. Image recording system. 4,801,956, 1-31-89, Cl. 354-3.000.
Kinoshita, Takao, to Canon Kabushiki Kaisha. Charge transfer device. 4,811,068, 3-7-89, Cl. 357-24.000.
Kinoshita, Takao; and Sakai, Shinji, to Canon Kabushiki Kaisha. Image sensor with an image section and a black level detection section for producing image signals to be stored and read out from a storage section. 4,811,105, 3-7-89, Cl. 358-213.240.
Kinoshita, Takao; Tojo, Akihiko; and Suga, Akira, to Canon Kabushiki Kaisha. Image sensing element and image sensing apparatus for recording a still image. 4,870,495, 9-26-89, Cl. 358-213.280.
Kinoshita, Takao; and Tojo, Akihiko, to Canon Kabushiki Kaisha. Image-pickup device and system capable of outputting either combined (high band) or separate (low band) signals. 4,887,160, 12-12-89, Cl. 358-213.260.
Kinoshita, Takao: *See—*
Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita, Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, 4,825,295, Cl. 358-254.000.
Suga, Akira; Kinoshita, Takao; Sakai, Shinji; and Tojo, Akihiko, 4,821,105, Cl. 358-213.190.
Kinoshita, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Pinion stopper for engine starter motor. 4,818,889, 4-4-89, Cl. 290-48.000.
Kinoshita, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Starter. 4,860,604, 8-29-89, Cl. 74-7.00E.
Kinoshita, Takatoshi: *See—*
Yamanaka, Katsuhisa; Furukawa, Tokinobu; Shindoh, Hirohiko; Kaneyuki, Yukio; Kinoshita, Takatoshi; and Ishibe, Masahiko, 4,801,433, Cl. 422-228.000.
Kinoshita, Tatsuo: *See—*
Nambu, Masao; Kinoshita, Tatsuo; and Watase, Mineo, 4,808,353, Cl. 264-28.000.
Kinoshita, Tokuho: *See—*
Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuho; Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, 4,798,992, Cl. 313-406.000.
Kinoshita, Tsuneo; and Sato, Kazuyuki, to Kabushiki Kaisha Toshiba. Monolithic semi-custom LSI. 4,839,820, 6-13-89, Cl. 364-491.000.
Kinoshita, Yasushi: *See—*
Okamoto, Tatsuo; Kotani, Hideo; Oono, Takio; Watabe, Kiyoto; Kinoshita, Yasushi; and Nishikawa, Yoshikazu, 4,872,050, Cl. 357-71.000.
Kinoshita, Yoshiaki: *See—*
Takamine, Yoshio; Nakagawa, Takayuki; Kazama, Yoshiharu; Kinoshita, Yoshiaki; and Miyamoto, Shunsuke, 4,811,213, Cl. 364-200.000.
Kinoshita, Yoshihiro: *See—*
Kato, Shuichiro; Kinoshita, Yoshihiro; and Kinoshita, Masao, 4,830,100, Cl. 165-104.140.
Kinoshita, Yoshiko: *See—*
Akiyama, Akihiko; Higuchi, Kazuo; Okuhara, Hisakazu; Tabata, Hiroshi; and Kinoshita, Yoshiko, 4,864,086, Cl. 200-61.530.
Kinoshita, Yoshio, to NSK-Warner Kabushiki Kaisha. One-way sprag clutch and assembly method of sprags in retainer. 4,809,831, 3-7-89, Cl. 192-41.00A.
Kinoshita, Yoshio, to NSK-Warner Kabushiki Kaisha. Retainer for one-way clutch. 4,882,941, 11-28-89, Cl. 192-45.100.
Kinoshita, Yukihiko: *See—*
Furukawa, Sunao; Yoshimoto, Tadashi; Ajisawa, Yukiyoshi; Ikeguchi, Seiichi; and Kinoshita, Yukihiko, 4,857,524, Cl. 514-227.500.
Kinoshita, Yusuke: *See—*
Mori, Seiji; Sonoda, Toshinari; and Kinoshita, Yusuke, 4,856,486, Cl. 123-572.000.
Kinosky, David S., to Minnesota Mining and Manufacturing Company. Corrosion resistant silver and copper surfaces. 4,873,139, 10-10-89, Cl. 428-341.000.
Kinota, Hiroshi: *See—*
Kandatsu, Kiyoshi; Yamazaki, Makoto; and Kinota, Hiroshi, 4,880,948, Cl. 200-151.000.
Kinoto, Takao: *See—*
Sato, Kazuo; Kinoto, Takao; Mio, Shigeru; and Yanai, Toshiaki, 4,835,290, Cl. 549-264.000.
Kinouchi, Sosuke, to Kawasaki Jukogyo Kabushiki Kaisha. Engine control system of marine outboard engine. 4,794,897, 1-3-89, Cl. 123-198.00D.
Kinouchi, Sosuke; and Yoshitake, Hideto, to Kawasaki Jukogyo Kabushiki Kaisha. Fin tab device for marine vessels. 4,831,954, 5-23-89, Cl. 114-163.000.
Kinouchi, Sosuke; and Sumitomo, Yukikazu, to Kawasaki Jukogyo Kabushiki Kaisha. Separate lubricating system of two cycle engine. 4,846,307, 7-11-89, Cl. 184-6.500.
Kinpara, Keiji: *See—*
Yokogawa, Fumihiko; Hirano, Hiroyuki; and Kinpara, Keiji, 4,872,155, Cl. 369-59.000.
Kinsara, Ahmed M.: *See—*
Cocking, Edward C. D.; Power, John B.; and Kinsara, Ahmed M., 4,863,863, Cl. 435-172.200.
Kinsel, Jane F.: *See—*
Sheth, Bhogilal B.; Gilbert, Sheri A.; and Kinsel, Jane F., 4,867,979, Cl. 424-195.100.
Kinseley, Peter B.; Kipperman, Stuart R.; and Russo, John A., to Chesebrough-Pond's Inc. Article for removing nail polish from a nail. 4,800,904, 1-31-89, Cl. 132-73.500.
Kinseley, Peter B., to Chesebrough-Pond. Pegboard holder device. 4,863,131, 9-5-89, Cl. 248-220.400.
Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., to Hewlett-Packard Company. Apparatus with torsionally stressed conductors routed through a hollow articulated hinge. 4,825,395, 4-25-89, Cl. 364-708.000.
Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., to Hewlett-Packard Company. Method of interconnecting assemblies using torsionly stressed conductors routed through a hollow articulated hinge. 4,878,293, 11-7-89, Cl. 29-850.000.
Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., to Hewlett-Packard Company. Flexible printed circuit assembly with torsionly rotated conductors. 4,885,430, 12-5-89, Cl. 174-254.000.
Kinsey, Darrell; and Kinsey, David. Outboard boat motor support device. 4,842,239, 6-27-89, Cl. 248-640.000.
Kinsey, David: *See—*
Kinsey, Darrell; and Kinsey, David, 4,842,239, Cl. 248-640.000.
Kinsey, Joe L., Jr.: *See—*
Gibbons, Charles E.; Kinsey, Joe L., Jr.; and Whillock, Allan A. 4,806,399, Cl. 428-34.200.
Kinsey, John S.: *See—*
Mathai, C. V.; Rathbun, Lyle A.; and Kinsey, John S., 4,854,50 Cl. 239-3.000.
Kinsky, Ivan. Vehicle land navigating device. 4,800,501, 1-24-89, Cl. 364-453.000.
Kinsley, John P.: *See—*
Ostrowsky, Efrem M.; and Kinsley, John P., 4,887,747, Cl. 222-556.000.
Kinslow, Joseph C.: *See—*
Meyer, Bernard H.; Kinslow, Joseph C.; Arch, Paul E.; and Mont D. Harper, 4,853,445, Cl. 526-190.000.
Kinsman, Grant: *See—*
Duley, Walter W.; and Kinsman, Grant, 4,857,699, Cl. 219-121.85.
Duley, Walter W.; and Kinsman, Grant, 4,877,939, Cl. 219-121.76.
Duley, Walter W.; and Kinsman, Grant, 4,879,449, Cl. 219-121.66.
Kinsolving, Clyde R.: *See—*
Georgiev, Vassil S.; Kinsolving, Clyde R.; and Mack, Robert A. 4,845,122, Cl. 514-472.000.
Kinson, Philip L.; and Faber, Edward M., to B. F. Goodrich Company, The. Glass fiber reinforced poly(vinyl chloride) blend with improved heat distortion and tensile strength. 4,870,126, 9-26-89, Cl. 524-521.000.
Kintz, Karl A.: *See—*
Liang, Rong-Chang; Kintz, Karl A.; O'Connor, Joseph G.; and Adair, Paul C., 4,877,767, Cl. 503-212.000.
Kinugasa, Hirofumi: *See—*
Kashima, Yoshio; Kinugasa, Hirofumi; Yoshida, Yasuo; and Iwanaga, Teruo, 4,817,447, Cl. 73-865.600.
Kinugasa, Junji: *See—*
Sakurahara, Kazuo; Kinugasa, Junji; and Kawabe, Tsuyoshi 4,846,116, Cl. 123-41.740.
Kinugasa, Masanori; Tanaka, Fuminari; Shigehara, Hiroshi; and Ohta, Hirokata, to Kabushiki Kaisha Toshiba. Insulated gate type field effect transistor. 4,821,084, 4-11-89, Cl. 357-45.000.
Kinugasa, Toshiro: *See—*
Todaka, Yoshihiro; Kinugasa, Toshiro; Noda, Masaru; and Aizawa, Iwao, 4,835,617, Cl. 358-213.130.
Kinugasa, Toshiyuki: *See—*
Ando, Yoshio; Ishige, Yoshiki; Kinugasa, Toshiyuki; and Sato, Shoji, 4,882,002, Cl. 156-310.000.
Furuya, Tamio; Tazaki, Yuichi; Kinugasa, Toshiyuki; Ishige, Yoshiki; and Tsuchimoto, Yuichi, 4,841,618, Cl. 29-423.000.
Kinugawa, Kiyoshi: *See—*
Shibata, Ryoichi; Kinugawa, Kiyoshi; Iimura, Tsutomu; and Sawano, Yasuo, 4,888,464, Cl. 219-216.000.
Kinugawa, Kiyoshige: *See—*
Mano, Hiroyuki; Tachiuchi, Tsuguji; Kinugawa, Kiyoshige; and Tanaka, Shinji, 4,855,728, Cl. 340-805.000.
Kinugawa, Masaaki, to Kabushiki Kaisha Toshiba. Short channel CMOS on 110 crystal plane. 4,857,986, 8-15-89, Cl. 357-42.000.

Kinugawa, Masumi: *See—*
Kikuchi, Toshiaki; Kinugawa, Masumi; and Kamai, Kenichirou, 4,805,578, Cl. 123-489.000.
Kinugawa Rubber Industrial Co., Ltd.: *See—*
Sakuma, Hiroshi; and Sakamaki, Yuuji, 4,848,035, Cl. 49-491.000.
Kinugawa, Seiichi, to Sharp Kabushiki Kaisha. Method of mounting electronic parts onto single-sided printed wiring board. 4,841,633, 6-27-89, Cl. 29-837.000.
Kinukawa, Masahiko: *See—*
Nakano, Hiroshi; Takeuchi, Toyoaki; Tsunoda, Toshiyuki; and Kinukawa, Masahiko, 4,878,746, Cl. 350-507.000.
Kinukawa, Tatsuji: *See—*
Suzuki, Junichiro; and Kinukawa, Tatsuji, 4,839,315, Cl. 501-87.000.
Kinuno, Masanori; Saito, Hisao; Kousaka, Akira; and Kawaguchi, Toshio, to Kabushiki Kaisha Toshiba. Magnetron for microwave oven. 4,855,645, 8-8-89, Cl. 315-39.710.
Kinzbach, Jeffrey: *See—*
Pawlak, Janusz Z.; and Kinzbach, Jeffrey, 4,863,750, Cl. 426-438.000.
Kinzel, Peter: *See—*
Haberle, Norman; Reutter, Anneliese; and Kinzel, Peter, 4,847,285, Cl. 514-425.000.
Kinzer, Daniel M., to International Rectifier Corporation. High power MOSFET and integrated control circuit therefor for high-side switch application. 4,866,495, 9-12-89, Cl. 357-23,400.
Kinzer, Daniel M., to International Rectifier Corporation. Bidirectional MOSFET switching circuit with single gate bias. 4,888,504, 12-19-89, Cl. 307-570.000.
Kinzer, Darryl W.: *See—*
Adams, Paul E.; and Kinzer, Darryl W., 4,876,374, Cl. 558-109.000.
Kinzer, Kevin E., to Minnesota Mining and Manufacturing Company. Orientied microporous film. 4,867,881, 9-19-89, Cl. 210-490.000.
Kinzig, Charles M.: *See—*
Gleason, John G.; Hoffstein, Sylvia T.; Kinzig, Charles M.; Mong, Seymour; and Sarau, Henry M., 4,871,771, Cl. 514-570.000.
Kinzler, Gernot; and Layher, Gerhard, to J. M. Voith GmbH. Headbox for the production of fibrous stock webs. 4,812,209, 3-14-89, Cl. 162-343.000.
Kinzler, Hans; and Kotowicz, Aleksander, to Siemens Aktiengesellschaft. Apparatus having a mechanical key and a transmitter for actuation of a lock system. 4,888,970, 12-26-89, Cl. 70-456.00R.
Kioka, Mamoru; Sugi, Masahiro; Toyota, Akinori; and Kashiwa, Norio, to Mitsui Petrochemical Industries, Ltd. Low-crystalline propylene random copolymer composition, process for production thereof, and polypropylene composite laminated structure. 4,822,840, 4-18-89, Cl. 525-240.000.
Kioka, Mamoru; and Kashiwa, Norio, to Mitsui Petrochemical Industries, Ltd. Process for producing solid catalyst for polymerization of olefins. 4,874,734, 10-17-89, Cl. 502-104.000.
Kioka, Mamoru: *See—*
Kashiwa, Norio; Toyota, Akinori; and Kioka, Mamoru, 4,841,003, Cl. 526-125.000.
Kioritz Corporation: *See—*
Araki, Tsuneo, 4,832,151, Cl. 181-211.000.
Baba, Toru, 4,805,306, Cl. 30-276.000.
Baba, Toru, 4,817,289, Cl. 30-276.000.
Baba, Toru, 4,819,333, Cl. 30-276.000.
Baba, Toru, 4,882,843, Cl. 30-276.000.
Hirayama, Koji; and Aiyama, Fumihiko, 4,875,384, Cl. 74-500.500.
Iida, Giichi; and Tsuboike, Yoshihiko, 4,809,502, Cl. 60-316.000.
Iida, Giichi; and Kodama, Taketomo, 4,884,535, Cl. 123-179.00P.
Ishigo, Naomoto, 4,850,233, Cl. 74-6.000.
Kamata, Yoshikiyo; and Fukuoka, Takashi, 4,817,923, Cl. 267-63.00A.
Koga, Hiroaki, 4,888,034, Cl. 55-260.300.
Masuda, Isao; Fukuoka, Takashi; and Kobayashi, Fujio, 4,873,946, Cl. 123-65.0PD.
Masuda, Yoshihiko; and Murakosi, Masanobu, 4,874,437, Cl. 148-150.000.
Nagai, Noboru; Hashimoto, Yoshisato; Tsuboike, Yoshihiko; and Kaito, Noboru, 4,872,308, Cl. 50-316.000.
Nagashima, Akira; and Sasaki, Fujio, 4,809,438, Cl. 30-390.000.
Nagashima, Akira, 4,813,139, Cl. 30-123.400.
Nagashima, Akira, 4,819,589, Cl. 123-52.00M.
Nagashima, Akira; and Kobayashi, Fujio, 4,830,212, Cl. 220-5.00A.
Nagashima, Akira, 4,835,866, Cl. 30-381.000.
Nagashima, Akira, 4,835,868, Cl. 30-386.000.
Nagashima, Akira; and Akaike, Junichi, 4,843,718, Cl. 30-138.000.
Nagashima, Akira, 4,847,999, Cl. 30-123.400.
Nagashima, Akira; and Ishii, Keisuke, 4,866,921, Cl. 56-257.000.
Ohkanda, Masao, 4,889,215, Cl. 192-48.100.
Saito, Yasuo; Ozaki, Tadashi; and Masuda, Isao, 4,838,116, Cl. 74-595.000.
Satoh, Masatoshi, 4,843,805, Cl. 56-202.000.
Sonoda, Satoshi, 4,811,718, Cl. 123-517.000.
Kipe, H. Kenneth. Milking plant and sorting system. 4,854,268, 8-8-89 Cl. 119-14.030.
Kiper, James B. Sailboat construction. 4,856,445, 8-15-89, Cl. 114-39.100.
Kipfelsberger, Albert. Power screwdriver with torque limiter. 4,887,499, 12-19-89, Cl. 81-470.000.
Kipling, Kent K., to Firestone Tire & Rubber Company, The. Method for applying elastomeric material onto a drum. 4,874,443, 10-17-89, Cl. 156-64.000.
Kipling, Kent K.: *See—*
Mick, Ronald L., Jr.; Kipling, Kent K.; and Edler, Fred G., 4,824,001, Cl. 156-64.000.
Kipnis, Lyubov S.: *See—*
Vasilevskis, Janis; De Deken, Jacques C.; Saxton, Robert J.; Wentrcek, Paul R.; Fellmann, Jere D.; and Kipnis, Lyubov S., 4,853,357, Cl. 502-165.000.
Kipp, Robert M.: *See—*
Kruka, Vitold R.; Kipp, Robert M.; and Cadena, Edward R., 4,837,751, Cl. 367-154.000.
Kippax, John W., and Rathmell, Colin, to Davy McKee (London) Limited. Process for the production of dialkyl maleates. 4,795,824, 1-3-89, Cl. 560-204.000.
Kippenberg, Horst; Moser, Thomas; and Otto, Klaus, to Siemens Aktiengesellschaft. Filler layer electrical component and method for the manufacture thereof. 4,889,760, 12-26-89, Cl. 428-192.000.
Kippenberg, Horst: *See—*
Moser, Thomas; Otto, Klaus; Kippenberg, Horst; Ramler, Johann; and Unterlass, Josef, 4,797,780, Cl. 361-321.000.
Otto, Klaus; Moser, Thomas; Kippenberg, Horst; and Ross, Erich, 4,829,399, Cl. 361-321.000.
Kippenham, Dean O.: *See—*
Leung, Ka-Ngo; Gordon, Keith C.; Kippenham, Dean O.; Purgalis, Peter; Moussa, David; Williams, Malcom D.; Wilde, Stephen B.; and West, Mark W., 4,795,940, Cl. 313-346.00R.
Kipperman, Stuart R.: *See—*
Kinseley, Peter B.; Kipperman, Stuart R.; and Russo, John A., 4,800,904, Cl. 132-73.500.
Kipphan, Helmut; Jeschke, Willi; Ott, Hans; and Graf, Jean-Pierre, to Heidelberger Druckmaschinen AG. Electronic device for determining a register error in multi-color printing machines. 4,856,903, 8-15-89, Cl. 356-400.000.
Kipphardt, Helmut: *See—*
Franke, Joachim; Goyert, Wilheim; and Kipphardt, Helmut, 4,889,908, Cl. 521-115.000.
Kipross, Stanley, to Hulett Aluminium Limited. Framework structure for windows and doors. 4,860,517, 8-29-89, Cl. 52-656.000.
Kira, Akihiko: *See—*
Matsushita, Takao; Kira, Akihiko; and Ametani, Minoru, 4,865,677, Cl. 156-353.000.
Kira, Kazuaki, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Artificial vessel and process for preparing the same. 4,834,746, 5-30-89, Cl. 623-1.000.
Kira, Kazuaki, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Artificial vessel and process for preparing the same. 4,857,069, 8-15-89, Cl. 623-1.000.
Kira, Kazuaki, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Artificial vessel. 4,871,361, 10-3-89, Cl. 623-1.000.
Kira, Toru; Miyauchi, Teiichi; Nakai, Kiyohito; Shiiba, Kengo; and Yoshikawa, Mitsuhiko, to Sharp Kabushiki Kaisha. Thin film yoke-type magnetoresistive head. 4,803,581, 2-7-89, Cl. 360-113.000.
Kira, Toru; Yamasaki, Hidenori; and Yoshikawa, Mitsuhiko, to Sharp Kabushiki Kaisha. Method of manufacturing thin film magnetic head. 4,816,946, 3-28-89, Cl. 360-110.000.
Kiraiwa, Kouji: *See—*
Sakurada, Koichi; Kiraiwa, Kouji; Ando, Yoshihira; and Kudo, Yoshiro, 4,863,680, Cl. 376-444.000.
Kirayoglu, Birol, to Du Pont de Nemours, E. I., and Company. Laminated fabric for protective clothing. 4,869,947, 9-26-89, Cl. 428-198.000.
Kirbach, Eberhard; and Sykes, David A., to Forintek Canada Corp. Circular saw blade guide and vibration damper. 4,854,207, 8-8-89, Cl. 83-823.000.
Kirby, Aaron A.: *See—*
Severance, Marcus W.; and Kirby, Aaron A., 4,856,219, Cl. 43-17.500.
Kirby, Daniel P.: *See—*
Anderson, Herbert R., Jr.; Divakaruni, Renuka S.; Dynys, Joseph M.; Kandetzke, Steven M.; Kirby, Daniel P.; Master, Raj N.; and Casey, Jon A., 4,885,038, Cl. 156-89.000.
Kirby, Danny: *See—*
Phillips, Eddie; Harville, Dyle; Lee, Mildred; Kirby, Danny; Ellison, Kathleen; Smithy, Mary J.; McNutt, Eugene; Gholston, Yvonne; Brewer, Jim; and McClure, Charles, 4,887,774, Cl. 242-58.600.
Kirby, David, to Lutron Electronics Co., Inc. Wall mounted electrical switch. 4,816,628, 3-28-89, Cl. 200-419.000.
Kirby, David W.: *See—*
Rocci, Joseph A.; Crosetto, Joha; Earle, Kent L.; and Kirby, David W., 4,797,604, Cl. 324-65.00R.
Kirby, Edward, to Labinal Components and Systems, Inc. Variable insertion force contact. 4,813,881, 3-21-89, Cl. 439-74.000.
Kirby, Emery L., Jr. Object support for attachment to a cylindrically shaped support member. 4,878,642, 11-7-89, Cl. 248-311.200.
Kirby, James; and Enos, George. Napkin folder. 4,865,579, 9-12-89, Cl. 493-458.000.
Kirby, Jane P.; Borders, Donald B.; Lee, May D.; Maiese, William M.; Testa, Raymond T.; and Labeda, David P., to American Cyanamid Company. Antibiotic LL-C19004. 4,870,019, 9-26-89, Cl. 435-252.100.
Kirby, John P.; and Paglia, Richard, to Polaroid Corporation. Ultrasonic transducer for use in a corrosive/abrasive environment. 4,872,148, 10-3-89, Cl. 367-172.000.
Kirby, Larry H.: *See—*
Kent, Van A.; Behr, William R.; and Kirby, Larry H., 4,830,838, Cl. 423-226.000.

Kent, Van A.; Kirby, Larry H.; and Behr, William R., 4,834,959, Cl. 423-242.000.
Kirby, Richard H., to Burnham Corporation. Pre-formed insulating reversing chamber for modified scotch boiler or the like. 4,838,210, 6-13-89, Cl. 122-149.000.
Kirby, Robert: *See—*
Christiansen, Hermann, 4,884,917, Cl. 405-80.000.
Howard, Keith; Sherrill, Jim; Kirby, Robert; and Malone, Bill A., 4,848,567, Cl. 206-332.000.
Kirby, Steven B.: *See—*
Rogers, Roxanne R.; Kirby, Steven B.; Simon, Theodore; and Matthiesen, Sharon, 4,882,494, Cl. 250-363.090.
Kirby, Thomas S. Bar hanger for hanging conduits or the like. 4,805,855, 2-21-89, Cl. 248-58.000.
Kirby, William A. Telephone intercom device. 4,868,847, 9-19-89, Cl. 379-160.000.
Kirch, Lawrence S.: *See—*
Davies, Philip D. T.; and Kirch, Lawrence S., 4,838,998, Cl. 203-96.000.
Kirch, Michel, to Kuhn S.A. Soil working machine having a rotor driven around an oblique axis. 4,838,359, 6-13-89, Cl. 172-123.000.
Kirch, Peter: *See—*
Stock, Werner; Baier, Manfred; Kaspar, Klaus P.; and Kirch, Peter, 4,885,255, Cl. 436-512.000.
Kirchanski, Stefan J.; and Wardwell, Kathleen, to Ortho Pharmaceutical Corporation. Method for quantitating and differentiating white blood cells. 4,882,284, 11-21-89, Cl. 436-63.000.
Kirchberger, Klaus: *See—*
Sichart, Frithjof V.; Hollstein, Christian; and Kirchberger, Klaus, 4,852,097, Cl. 371-37.000.
Kirchberger, Peter; and Blaimschein, Gottfried, to GFM Gesellschaft fur Fertigungstechnik und Maschinenbau Gesellschaft m.b.H. Clamping device for fising a disklike rotary cutter to a toolholder. 4,863,322, 9-5-89, Cl. 409-232.000.
Kirchen, Michael: *See—*
Lonardi, Emile; Kirchen, Michael; and Kremer, Victor, 4,827,689, Cl. 52-749.000.
Kircher, Albert, Jr.: *See—*
Wennerstrum, Scott; and Kircher, Albert, Jr., 4,882,851, Cl. 34-60.000.
Kircher, Dieter; von Gruenberg, Hubertus; and Blum, Klaus-Dieter, to Alfred Teves GmbH. Brake system with anti-lock control and/or traction slip control as well as braking pressure modulator for such a brake system. 4,838,622, 6-13-89, Cl. 303-115.000.
Kircher, Klaus: *See—*
Scholl, Thomas; Serini, Volker; Rathmann, Dietrich; Savage, Ross; and Kircher, Klaus, 4,797,435, Cl. 524-89.000.
Kircher, Robert C., Jr.: *See—*
King, Ethmer W.; Kircher, Robert C., Jr.; and Yotsuuye, David S., 4,825,374, Cl. 364-433.000.
Kirchgessner, David A.; and Lorrain, Jeffrey M., to United States of America, America Environmental Protection Agency. Lignosulfonate-modified calcium hydroxide for SO2 control during furnace injection. 4,882,309, 11-21-89, Cl. 502-401.000.
Kirchgessner, Hilmar: *See—*
Engelberger, Raimund; Harmsen, Siegfried; Kirchgessner, Hilmar; and Schneider, Josef, 4,886,415, Cl. 415-119.000.
Kirchgessner, James A.: *See—*
Alvarez, Antonio R.; and Kirchgessner, James A., 4,803,175, Cl. 437-31.000.
Kirchheiner, Rolf: *See—*
Rockel, Manfred; Wallis, Ernst; Kohler, Michael; Heubner, Ulrich; and Kirchheiner, Rolf, 4,876,065, Cl. 420-582.000.
Kirchhofer, Hubert; and Mayer, Andreas, to BBC Brown Boveri AG. Pressure wave supercharger. 4,808,082, 2-28-89, Cl. 417-64.000.
Kirchhofer, Hubert: *See—*
El-Nashar, Ibrahim; Jaussi, Francois; Kirchhofer, Hubert; Komauer, Christian; Mayer, Andreas; Perevuznik, Josef; and Spinnler, Fritz, 4,796,595, Cl. 123-559.200.
Kirchhofer, Rolf; and Schad, Hanspeter, to BBC Brown Boveri AG. Arrangement for time-resolved optical backscatter measurement at optical waveguides. 4,804,264, 2-14-89, Cl. 356-44.000.
Kirchhoff, Bernd: *See—*
Haak, Wolfgang; Kirchhoff, Bernd; and Binder, Ulrich, 4,813,480, Cl. 165-120.000.
Kirchhoff, Hartmut: *See—*
Pekruhn, Wolfgang; Kaiser, Ralf; and Kirchhoff, Hartmut, 4,887,092, Cl. 346-1.100.
Kirchhoff, Robert A., to Dow Chemical Company, The. N-Substituted arylcyclo butenyl-maleimides. 4,826,997, 5-2-89, Cl. 548-546.000.
Kirchhoff, Robert A.: *See—*
Bruza, Kenneth J.; and Kirchhoff, Robert A., 4,795,827, Cl. 564-329.000.
Bruza, Kenneth J.; and Kirchhoff, Robert A., 4,825,001, Cl. 564-328.000.
Kirchhuebel, Rainer: *See—*
Gehrung, Hartmut; Krastel, Hermann; and Kirchhuebel, Rainer, 4,798,458, Cl. 351-242.000.
Spitznas, M.; Veit, Wolfgang; and Kirchhuebel, Rainer, 4,856,872, Cl. 350-255.000.
Kirchler, Manfred. Apparatus for producing whipped cream. 4,816,190, 3-28-89, Cl. 261-37.000.
Kirchler, Manfred. Cooling holder for hand-held whipped cream dispenser. 4,884,721, 12-5-89, Cl. 222-146.600.
Kirchmayr, Karl; Miko, Hans-Jurgen; Watzka, Bruno; Studinka, Josef; and Schmitt-Henco, Carl, to Ametex AG. Mixture for manufacture of shaped elements and its use. 4,797,161, 1-10-89, Cl. 106-98.000.
Kirchmayr, Rudolf; and Rutsch, Werner, to Ciba-Geigy Corporation. Acid-curable composition containing a masked curing catalyst, and a process for its preparation. 4,831,177, 5-16-89, Cl. 558-52.000.
Kirchmayr, Rudolf: *See—*
Rutsch, Werner; Kirchmayr, Rudolf; Husler, Rinaldo; and Dieliker, Kurt, 4,795,766, Cl. 522-44.000.
Kirchner, Dietrich A. H. Large container for pourable, pasty and sludge-like materials and a method of using the same. 4,813,200, 3-21-89, Cl. 52-249.000.
Kirchner, Heinrich: *See—*
Gaebel, Heinz-Ulrich; Kirchner, Heinrich; Maxa, Vladimir; and Winter, Udo, 4,795,951, Cl. 318-293.000.
Kirchner, James R.; Meyer, Dennis A.; and Kluck, Arlen L., to Koch Materials Company. Detachable liquid distribution unit. 4,828,429, 5-9-89, Cl. 404-111.000.
Kirchner, Kurt: *See—*
Rehm, Hans J.; and Kirchner, Kurt, 4,871,673, Cl. 435-262.000.
Kirchner, Marcel; Kubach, Hans; and Hascher-Reichl, Asta, to Robert Bosch GmbH. Electromagnetically actuatable valve. 4,795,098, 1-3-89, Cl. 239-585.000.
Kirchner Peter D.; Warren, Alan C.; Woodall, Jerry M.; and Wright, Steven L., to International Business Machines Corporation. Compound semiconductor interface control. 4,843,450, 6-27-89, Cl. 357-52.000.
Kirchner, Peter D.; Marks, Ronald F.; Pettit, George D.; Woodall, Jerry M.; and Wright, Steven L., to International Business Machines Corporation. Semiconductor electro-optical conversion. 4,860,086, 8-22-89, Cl. 357-16.000.
Kirchner, Peter D.: *See—*
Fowler, Alan B.; Freeouf, John L.; Kirchner, Peter D.; Warren, Alan C.; and Woodall, Jerry M., 4,811,077, Cl. 357-52.000.
Kirchner, Reinhard: *See—*
Kulisch, Ulrich; and Kirchner, Reinhard, 4,866,653, Cl. 364-748.000.
Kirchner, Stephen J.: *See—*
Chatterjee, Ranjit; and Kirchner, Stephen J., 4,869,897, Cl. 424-47.000.
Kirchnerova, Jitka; Skeaff, James M.; and Bale, Christopher W., to Canadian Patents and Development Limited/Societe Canadienne des Brevets et d'Exploitation Limitee. Solid state arsenic probe for use in pyrometallurgical processes. 4,842,698, 6-27-89, Cl. 204-1.00T.
Kirchoefer, Steven W., to United States of America, Navy. Quantum well electron barrier diode. 4,814,837, 3-21-89, Cl. 357-4.000.
Kirckof, Steven S.: *See—*
Baker, Dennis L.; Kirckof, Steven S.; Morse, Dan J.; and Piotrowski, Chester, 4,850,716, Cl. 374-160.000.
Kiri, Motosada; and Matsuoka, Takeshi, to Shimadzu Corporation. Radiation image detecting apparatus. 4,868,393, 9-19-89, Cl. 250-370.150.
Kiri, Motosada: *See—*
Oka, Syotaro; Kita, Junichi; Kuyama, Hiroki; and Kiri, Motosada, 4,867,850, Cl. 204-15.000.
Kiriake, Masaharu, to Murata Kikai Kabushiki Kaisha. Yarn kind changing process for a spinning winder. 4,844,357, 7-4-89, Cl. 242-18.00R.
Kiriake, Masaharu; and Tone, Shoichi, to Murata Kikai Kabushiki Kaisha. Bobbin transfer system. 4,845,937, 7-11-89, Cl. 57-281.000.
Kiriake, Masaharu, to Murata Kikai Kabushiki Kaisha. Tray transfer device. 4,875,572, 10-24-89, Cl. 198-744.000.
Kiriake, Masaharu: *See—*
Ueda, Yutaka; Ikeda, Isamu; Kiriake, Masaharu; and Nakada, Kazuhiko, 4,809,919, Cl. 242-35.50R.
Ueda, Yutaka; and Kiriake, Masaharu, 4,854,453, Cl. 209-583.000.
Kiribayashi, Shinichi: *See—*
Mizuno, Tooru; and Kiribayashi, Shinichi, 4,835,447, Cl. 315-169.100.
Kiribuchi, Shin-ichiro, to People Co., Ltd. Indoor jungle gym assembly. 4,815,727, 3-28-89, Cl. 272-1.00R.
Kirigakubo, Minoru; Nakazawa, Hitoshi; and Yamazaki, Kyuya, to Honda Giken Kogyo Kabushiki Kaisha. Applicator robot and apparatus having member for picking up and transporting workpiece. 4,821,673, 4-18-89, Cl. 118-319.000.
Kirihara, Seishin: *See—*
Usami, Kenichi; Kirihara, Seishin; Morimoto, Tadaoki; Doi, Hiroyuki; and Okada, Michiya, 4,802,894, Cl. 48-77.000.
Kirihara, Tomoo; Nakagawa, Ippei; Seki, Yoshinobu; and Honda Yutaka, to Mitsubishi Nuclear Fuel Company, Ltd. Process of separation of hafnium from zirconium by molten salt electrolysis. 4,857,155, 8-15-89, Cl. 204-61.000.
Kirihata, Shinji; Araki, Tsunehiko; Yorifuji, Yuuki; Hori, Takashi; Matsuda, Hiroshi; and Himezawa, Hidekazu, to Matsushita Electric Works, Ltd. Person-number detecting system. 4,849,737, 7-18-89, Cl. 340-567.000.
Kirihata, Yoshiko: *See—*
Kannagi, Reiji; Shigeta, Katsuyoshi; Ito, Yukishige; Kirihata, Yoshiko; and Ogawa, Tomoya, 4,885,358, Cl. 530-387.000.
Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., to Mosebach Manufacturing Company. Tapped resistor grid assembly. 4,837,549, 6-6-89, Cl. 338-279.000.
Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., to Mosebach Manufacturing Company. Center ventilated resistor grid. 4,847,585, 7-11-89, Cl. 338-58.000.

Kirillov, Jury B.: *See—*
Belykh, Sergei I.; Davydov, Anatoly B.; Moschensky, Anatoly D.; Kanshin, Nikolai N.; Kovalenko, Igor L.; Kirillov, Jury B.; Osipov, Gennady I.; and Utyamyshev, Rustam I., 4,875,479, Cl. 128-335.500.
Kirimoto, Tetsuo: *See—*
Nomoto, Kohei; Kirimoto, Tetsuo; and Kondo, Michimasa, 4,864,490, Cl. 364-157.000.
Kirin- Amgen Inc.: *See—*
Souza, Lawrence M., 4,810,643, Cl. 435-68.000.
Kirin Beer Kabushiki Kaisha: *See—*
Fukuchi, Hiroyuke; Nishiyama, Masatoshi; and Sugawara, Yukio, 4,831,250, Cl. 250-223.00B.
Fukuchi, Hiroyuki, 4,866,263, Cl. 250-223.00B.
Hattori, Masahiro; and Nanba, Yasuyuki, 4,832,173, Cl. 198-377.000.
Horino, Morikatsu; Kawabe, Manabu; and Yagi, Yoshiaki, 4,869,396, Cl. 222-54.000.
Kawai, Hiroyuki; Nakajima, Shohachi; and Takeuchi, Tomio, 4,888,418, Cl. 536-6.400.
Sakakibara, Masayuki; and Nii, Yasushi, 4,803,301, Cl. 562-471.000.
Sakakibara, Masayuki; Munezuka, Yuzi; and Kato, Shinichiro, 4,833,156, Cl. 514-424.000.
Umezawa, Hamao; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,833,241, Cl. 536-6.400.
Umezawa, Hamao; Umezawa, Kazuo; Odagawa, Atsuo; Kataoka, Shiro; and Nakajima, Shohachi, 4,855,414, Cl. 536-6.400.
Umezawa, Hamao, deceased; Tatsuta, Kuniaki; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,877,870, Cl. 536-6.400.
Kirin Brewery Company Limited: *See—*
Okamura, Katsutoshi; Esaki, Yasuo; Matsuzawa, Koichi; and Asano, Katsuhiko, 4,880,650, Cl. 426-330.400.
Kirino, Fumiyoshi: *See—*
Takayama, Shinji; Kirino, Fumiyoshi; and Sugita, Yutaka, 4,838,962, Cl. 148-304.000.
Kiriseko, Tadashi; and Iijima, Nobuo, to Fujitsu Limited. Methods for identifying semiconductor wafer with bar code pattern thereon and methods for manufacturing semiconductor device. 4,825,093, 4-25-89, Cl. 250-566.000.
Kiritani, Yoshiharu: *See—*
Yamamoto, Minoru; and Kiritani, Yoshiharu, 4,813,813, Cl. 405-146.000.
Kiriu, Takashi; and Arakawa, Motoomi, to Orient Chemical Industries, Ltd. Toner for developing electrostatic latent images and complex compounds containing aluminum usable therein. 4,845,003, 7-4-89, Cl. 430-110.000.
Kiriu, Takashi: *See—*
Kawagishi, Yoji; Narita, Shinichi; Kiriu, Takashi; and Yamanaka, Schunichiro, 4,826,749, Cl. 430-110.000.
Tada, Akihiro; Kiriu, Takashi; and Arakawa, Motoomi, 4,855,208, Cl. 430-110.000.
Kiriu, Yoshio: *See—*
Kaneko, Sigeru; and Kiriu, Yoshio, 4,821,172, Cl. 364-200.000.
Kosuge, Hiroshi; and Kiriu, Yoshio, 4,888,774, Cl. 371-38.100.
Kiriyama, Jiro, to Kabushuikigaisha Kiriyama Shinkenzai. Continuous nail for automatic nailing machine. 4,826,381, 5-2-89, Cl. 411-443.000.
Kiriyama, Katsumi: *See—*
Sato, Katsuji; Takenaka, Hiroo; and Kiriyama, Katsumi, 4,829,530, Cl. 372-9.000.
Kiriyama, Masaru: *See—*
Okita, Kumakazu; Abe, Toshiaki; and Kiriyama, Masaru, 4,880,577, Cl. 264-22.000.
Kiriyama, Shigeru: *See—*
Inoue, Saihachi; Kiriyama, Shigeru; and Imada, Kazuhiro, 4,818,453, Cl. 264-41.000.
Kiriyama, Syunichi: *See—*
Kubo, Eiichi; Nagaoka, Koichi; Miyahara, Yoshiki; Kiriyama, Syunichi; and Mishima, Yasunobu, 4,874,666, Cl. 428-398.000.
Kiriyama, Tsutomu: *See—*
Yamamoto, Michio; Kiriyama, Tsutomu; Sasaki, Noriaki; Sakamoto, Yoshitaka; and Ishimaru, Kenji, 4,885,057, Cl. 162-9.000.
Kirjanov, Alexander S.; and Bannigan, Vincent W., Jr., to Crompton & Knowles Corporation. Method for improving the lightfasteness of nylon dyeings using copper sulfonates. 4,813,970, 3-21-89, Cl. 8-442.000.
Kirjanov, Alexander S.; and Hoecklin, Dieter, to Crompton & Knowles Corporation. Stainblocker and fluorocarbon oil repellents. 4,857,392, 8-15-89, Cl. 428-267.000.
Kirjanov, Alexander S.; and Herlant, Michel A., to Crompton & Knowles Corporation. Sulfomethylated stain blocking agents. 4,877,538, 10-31-89, Cl. 252-8.700.
Kirjanov, Alexander S.: *See—*
Herlant, Michel A.; Kirjanov, Alexander S.; and Bannigan, Vincent W., Jr., 4,865,885, Cl. 427-322.000.
Kirk, Barrie E.: *See—*
Borthwick, David A.; Kirk, Barrie E.; Evans, Derek N.; Biggadike, Keith; and Stephenson, Leslie, 4,857,531, Cl. 514-262.000.
Kirk, Bill L. Door threshold poison bait station apparatus and method. 4,807,392, 2-28-89, Cl. 43-131.000.
Kirk, Chester E. Multi-mode CPM physiotherapy foot manipulating device. 4,842,265, 6-27-89, Cl. 128-25.00B.
Kirk, David L., to Honeywell Inc. Apparatus for substantially syncronizing the timing subsystems of the physical modules of a local area network. 4,890,222, 12-26-89, Cl. 364-200.000.
Kirk, Donald R.: *See—*
Jolitz, Randal J.; and Kirk, Donald R., 4,804,696, Cl. 524-68.000.
Kirk, Frank A.: *See—*
Hall, Alan J.; Kirk, Frank A.; Patterson, Alan M.; and Paxton, Peter M., 4,818,450, Cl. 264-39.000.
Kirk, Karl D. (Skip), III: *See—*
Ouriel, Kenneth; Kirk, Karl D. (Skip), III; and Spranger, Douglas M., 4,846,800, Cl. 60.4-4.000.
Kirk, Richard A., to Crosfield Electronics Limited. Color video image enhancement. 4,803,548, 2-7-89, Cl. 358-36.000.
Kirk, Richard A.; Lee, Peter R.; Hart, Peter B.; Chilton, George A. A.; and Cobb, Alan J., to Plessey Overseas Limited. Method of alignment of LED chips. 4,884,086, 11-28-89, Cl. 346-155.000.
Kirk, Richard A.: *See—*
Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., 4,857,944, Cl. 346-154.000.
Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., 4,888,603, Cl. 346-160.000.
Kirk, Robert C.: *See—*
Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagame, Steven P.; and Kirk, Robert C., 4,887,076, Cl. 340-825.160.
Kirk, Ronald L.: *See—*
Hammond, Scott H.; Kirk, Ronald L.; and Francis, Eric R., 4,884,021, Cl. 324-142.000.
Kirk, Shane K.: *See—*
Wu, Stephen H. W.; Kirk, Shane K.; Perry, Kenneth P.; Smith, E. Phillip; Chang, Yeong-Ho; and Jenkins, Waylon L., 4,837,004, Cl. 424-438.000.
Kirk, Thomas G.: *See—*
Kotyk, Wayne M.; Kirk, Thomas G.; Wilson, Robert J.; and Wilson, James N., 4,825,146, Cl. 324-58.50B.
Kirk, William F.; Wass, Anthony C. L.; Baum, Eric A.; Tansey, Ian P.; and Meredith, William G., to Riker Laboratories, Inc. Powder inhalation device. 4,860,740, 8-29-89, Cl. 128-203.150.
Kirkendall, Vern S. Low-bed service cart. 4,796,909, 1-10-89, Cl. 280-651.000.
Kirkendall, Vern S. Insulated beverage box carrier. 4,812,054, 3-14-89, Cl. 383-110.000.
Kirker, Garry W.; and Varghese, Philip, to Mobil Oil Corporation. Production of lubricating oils by hydrocracking. 4,812,222, 3-14-89, Cl. 208-89.000.
Kirker, Garry W.: *See—*
Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., 4,810,361, Cl. 208-213.000.
Absil, Robert P. L.; Angevine, Philip J.; Chester, Arthur W.; and Kirker, Garry W., 4,873,216, Cl. 502-211.000.
Angevine, Philip J.; Chu, Pochen; Degnan, Thomas F.; and Kirker, Garry W., 4,834,869, Cl. 208-213.000.
Landis, Michael E.; Aufdembrink, Brent A.; Chu, Pochen; Johnson, Ivy D.; Kirker, Garry W.; Page, Nancy M.; and Rubin, Mae K., 4,859,648, Cl. 502-242.000.
Kirkland, Joseph J.; and Kohler, Jurgen, to Du Pont de Nemours, E. I., and Company. Porous silica microspheres having a silanol enriched surface. 4,874,518, 10-17-89, Cl. 210-502.100.
Kirkland, Joseph J.: *See—*
Glajch, Joseph L.; and Kirkland, Joseph J., 4,847,159, Cl. 428-447.000.
Kirkland, Wyatt S. Spin-blast tool with rotational velocity restraint. 4,819,388, 4-11-89, Cl. 51-411.000.
Kirkman, John W., to Master Machine Corporation. Fastener driving gun. 4,804,127, 2-14-89, Cl. 227-10.000.
Kirkman, W. Worth: *See—*
Tsuchiya, Paul F.; and Kirkman, W. Worth, 4,823,111, Cl. 340-825.050.
Kirkos Development, Ltd.: *See—*
Bennett, William E., 4,807,485, Cl. 74-5.100.
Kirkpatrick, Edward: *See—*
Nichols, John L.; Wang, David; Kirkpatrick, Edward; Viehweg, Clark M.; Morton, Edwin S.; and Hua, Van T., 4,860,112, Cl. 358-400.000.
Kirkpatrick, George R. D.; and Trescott, John R., to Sitgo Corporation. Folding wheelchair. 4,826,196, 5-2-89, Cl. 280-650.000.
Kirkpatrick, Glen S.: *See—*
Shestag, Lowell N.; Zscheile, John W., Jr.; Lundquist, Alan E.; and Kirkpatrick, Glen S., 4,827,269, Cl. 343-766.000.
Kirkpatrick, Hugh J.; Lee, Thomas J.; and Lee, James M. Drywall Cutting tool. 4,870,757, 10-3-89, Cl. 30-344.000.
Kirkpatrick, John D.: *See—*
Brittain, Perry N.; and Kirkpatrick, John D., 4,818,314, Cl. 156-87.000.
Kirkpatrick, Steven J.: *See—*
Neilson, Diane H. R.; Work, Sara L. R.; Whaley, Edward L.; Kirkpatrick, Steven J.; and McCarthy, James P., 4,857,351, Cl. 426-533.000.
Kirkup, Michael P.; and Boland, Amy S., to Schering Corporation. 6-(Hydroxyethyl)-2-(heterocyclylthio)-penem-3-carboxylates. 4,806,637, 2-21-89, Cl. 540-310.000.
Kirkup, Michael P.; and McCombie, Stuart W., to Schering Corporation. Intermediate compounds for preparing penems and carbapenems. 4,876,365, 10-24-89, Cl. 549-215.000.
Kirkup, Michael P.: *See—*
McCombie, Stuart W.; Kirkup, Michael P.; and Boland, Amy Sommese, 4,882,429, Cl. 540-357.000.

- Kirkwood, David F.: *See—*
  - Ross, Anne M.; and Kirkwood, David F., 4,795,584, Cl. 252-174.230.
- Kirkwood, Malcolm E.: *See—*
  - Macdonald, Fraser J.; and Kirkwood, Malcolm E., 4,867,290, Cl. 192-3.280.
- Kirkwood, Robert L.: *See—*
  - Gold, Archie; Kirkwood, Robert L.; and West, Steven L., 4,816,832, Cl. 342-14.000.
- Kirmaier, Norbert L.: *See—*
  - Reis, August K.; Kirmaier, Norbert L.; and Schoberl, Meinolf H. A., 4,822,472, Cl. 204-302.000.
- Kirman, Lyle E.; and Seufer, Kenneth C., Jr., to Kinetico, Inc. Apparatus and method for recovering materials from process baths. 4,863,612, 9-5-89, Cl. 210-662.000.
- Kirn, Manfred: *See—*
  - Grammer, Werner; and Kirn, Manfred, 4,850,154, Cl. 51-209.00R.
- Kirner, John F.: *See—*
  - Cabrera, Alejandro L.; Kirner, John F.; Miller, Robert A.; Pierantozzi, Ronald; and Armor, John N., 4,822,642, Cl. 427-255.100.
  - Cabrera, Alejandro L.; Kirner, John F.; and Pierantozzi, Ronald, 4,869,929, Cl. 427-249.000.
- Kirox, Inc.: *See—*
  - McElroy, James G., 4,854,853, Cl. 431-115.000.
- Kirpatrick, John A.: *See—*
  - Budrean, John D.; and Kirpatrick, John A., 4,870,846, Cl. 72-77.000.
- Kirpich, Aaron S., to General Electric Company. Thaw flow control for liquid heat transport systems. 4,800,952, 1-31-89, Cl. 165-104.110.
- Kirrstetter, Reiner: *See—*
  - Lattrell, Rudolf; Durckheimer, Walter; and Kirrstetter, Reiner, 4,845,087, Cl. 514-202.000.
- Kirry, Kenneth R.; and Visconti, Joseph V. Mail delivery signaling device. 4,798,326, 1-17-89, Cl. 232-34.000.
- Kirsanova-Belova, Elena V.: *See—*
  - Azarevich, Gennady M.; Akimov, Boris I.; and Kirsanova-Belova, Elena V., 4,805,431, Cl. 72-70.000.
- Kirsch, Gary E.: *See—*
  - Mott, Keith C.; Kirsch, Gary E.; Barringer, H. Paul; and Tung, Lawrence Y., 4,817,962, Cl. 277-1.000.
- Kirsch, Howard C.: *See—*
  - Cheney, Glen T.; Kirsch, Howard C.; Nelson, James T.; and Stefany, James H., 4,887,135, Cl. 357-23.600.
- Kirsch, Jerry: *See—*
  - Kirsch, Kerry F.; Tindall, Robert J.; and Kirsch, Jerry, 4,816,911, Cl. 358-256.000.
- Kirsch, Jurgen: *See—*
  - Hocker, Jurgen; Rottmaier, Ludwig; Reinking, Klaus; Kirsch, Jurgen; and Fullmann, Heinz-Josef, 4,798,686, Cl. 252-500.000.
- Kirsch, Kerry F.; Tindall, Robert J.; and Kirsch, Jerry, to Kirsch Technologies, Inc. Handling process and information station. 4,816,911, 3-28-89, Cl. 358-256.000.
- Kirsch, Sander. Massage apparatus. 4,832,006, 5-23-89, Cl. 128-57.000.
- Kirsch Technologies, Inc.: *See—*
  - Kirsch, Kerry F.; Tindall, Robert J.; and Kirsch, Jerry, 4,816,911, Cl. 358-256.000.
  - Tindall, Robert J., 4,839,745, Cl. 358-336.000.
- Kirsche, Horst: *See—*
  - Held, Manfred; and Kirsche, Horst, 4,799,427, Cl. 102-215.000.
- Kirschen, David G. Anti-claustrophobic glasses. 4,804,261, 2-14-89, Cl. 351-158.000.
- Kirschenhofer, Karl: *See—*
  - Schwerdt, Paul; and Kirschenhofer, Karl, 4,813,601, Cl. 239-91.000.
- Kirschenstein, Reinhard: *See—*
  - Klemmer, Wolfram; and Kirschenstein, Reinhard, 4,797,744, Cl. 358-164.000.
- Kirschner, Ann S., to Surprises, Inc. Toy packaging. 4,836,437, 6-6-89, Cl. 229-8.000.
- Kirschner, Jonathan; Smazik, Kenneth G.; and Paisley, Gary V., to Coca-Cola Company, The. Postmix juice dispensing system. 4,860,923, 8-29-89, Cl. 222-1.000.
- Kirschner, Jonathan; Smazik, Kenneth G.; and Paisley, Gary V., to Coca-Cola Company, The. Postmix juice dispensing system. 4,886,190, 12-12-89, Cl. 222-57.000.
- Kirschner, Jonathan: *See—*
  - Credle, William S., Jr.; and Kirschner, Jonathan, 4,836,414, Cl. 222-1.000.
- Kirschner, Mark J.: *See—*
  - Bandyopadhyay, Nikhiles; Tamhankar, Satish S.; and Kirschner, Mark J., 4,888,037, Cl. 65-32.200.
- Kirschner, Mitchell I.; and Dorow, William H., to K.V. Pharmaceutical Co. Fibre formulations. 4,869,908, 9-26-89, Cl. 424-468.000.
- Kirschner, Mitchell I.: *See—*
  - Hermelin, Marc S.; Kirschner, Mitchell I.; and Paradissis, George N., 4,844,906, Cl. 424-454.000.
- Kirschner, Thomas J., Jr.; and Walsh, John J., to Morton Thiokol, Inc. Head end control and steering system: using a forward end maneuvering gas generator. 4,817,377, 4-4-89, Cl. 60-225.000.
- Kirsh, Richard L.; and Ravin, Louis J., to SmithKline Beckman Corporation. Polyene antibiotic emulsion formulation. 4,831,018, 5-16-89, Cl. 514-31.000.
- Kirsinas, Peter: *See—*
  - Bulanda, John; and Kirsinas, Peter, 4,805,278, Cl. 29-33.00M.
- Kirson, Yoram; and Marom, Itsak, to State of Israel, Ministry of Defence Armament Development Authority. Stabilized line-of-sight aiming system for use with fire control systems. 4,885,977, 12-12-89, Cl. 89-41.050.
- Kirsop, Brian H.; and Brocklehurst, Timothy F., to Agricultural & Food Research Council. Method for improving the shelf life of a foodstuff. 4,837,037, 6-6-89, Cl. 426-303.000.
- Kirst, Herbert A.: *See—*
  - Debono, Manuel; Kirst, Herbert A.; and Leeds, James P., 4,820,694, Cl. 514-30.000.
  - Debono, Manuel; and Kirst, Herbert A., 4,820,695, Cl. 514-30.000.
- Kirst, Thomas H.: *See—*
  - Weiler, Rolf; Bach, Uwe; Kirst, Thomas H.; and Paschke, Klaus, 4,807,725, Cl. 188-71.800.
- Kirstein, Gerhard, to Zahnraderfabrik Renk AG. Control circuit for motor vehicles. 4,814,990, 3-21-89, Cl. 364-426.030.
- Kirstein, Gerhard, to Renk Aktiengesellschaft. Automated control system for traction vehicles. 4,850,249, 7-25-89, Cl. 74-844.000.
- Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Santel, Hans-Joachim; and Schmidt, Robert R., to Bayer Aktiengesellschaft. Herbicidal acylated sulphonylguanidines. 4,802,910, 2-7-89, Cl. 71-93.000.
- Kirsten, Rolf: *See—*
  - Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
- Kirsten, Ulrich: *See—*
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- Kirtland, David A.: *See—*
  - Adler, David W.; Kirtland, David A.; and Manka, Ronald S., 4,811,284, Cl. 364-900.000.
- Kirtland, Howard W.: *See—*
  - DeLaurier, William S.; Kirtland, Howard W.; and Mount, Gordon L., 4,844,690, Cl. 415-148.000.
- Kirtley, James M.; and Lamb, Kevin S., to Kirtley, James M. Radio controlled safety stop system for forklift trucks. 4,849,735, 7-18-89, Cl. 340-539.000.
- Kiryu, Koji: *See—*
  - Takeuchi, Kenji; Kiryu, Koji; and Tanaka, Kazuyuki, 4,846,016, Cl. 74-710.500.
- Kiryu, Masakazu; Koinuma, Hiroyuki; and Suzuki, Kiminobu, to Kabushiki Kaisha Toshiba. Reference potential generating circuit. 4,833,342, 5-23-89, Cl. 307-296.100.
- Kiryu, Masao: *See—*
  - Okamoto, Shingo; Kiryu, Masao; and Yoshida, Atsushi, 4,812,336, Cl. 427-257.000.
- Kis, Gyorgy: *See—*
  - Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis, Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.
- Kis, Ludwig, to Textilmaschinenfabrik Dr. Ernst Fehrer Aktiengesellschaft. Apparatus for needling a nonwoven web. 4,856,152, 8-15-89, Cl. 28-114.000.
- Kis Photo Industrie: *See—*
  - Simon, Jean-Pierre, 4,857,274, Cl. 422-72.000.
  - Simon, Jean-Pierre, 4,865,810, Cl. 422-72.000.
- Kis-Tamas, Laszlo : *See—*
  - Solymos, Andras; Barsi, Karoly; Kis-Tamas, Laszlo ; Forrai, Istvan; Dorombozi, Laszlo ; and Lukonits, Otto , 4,799,738, Cl. 299-11.000.
- Kisak, David. Receiver apparatus for spread spectrum communication systems. 4,888,787, 12-19-89, Cl. 375-1.000.
- Kisak, James L.: *See—*
  - Gilmore, Charles B.; Kisak, James L.; Oberst, Jeffrey P.; Wood, John D.; and Baloh, Frank J., 4,803,042, Cl. 376-272.000.
- Kisaka, Yoshiyuki: *See—*
  - Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyuki; Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohgaki, Mitsuaki, 4,839,207, Cl. 428-64.000.
- Kisalus, John C., to Nalco Chemical Company. Use of triphenylphosphine as an ethylene furnace antifoulant. 4,835,332, 5-30-89, Cl. 585-650.000.
- Kisalus, John C.: *See—*
  - Kaplan, Morris; and Kisalus, John C., 4,842,716, Cl. 208-48.0AA
- Kisanuki, Hisayuki, to Toyoda Gosei Co., Ltd. Glass run connecting corner piece. 4,817,336, 4-4-89, Cl. 49-476.000.
- Kisanuki, Hisayuki; and Yamada, Masami, to Toyoda Gosei Co., Ltd. Door glass plate weather strip for vehicle. 4,843,759, 7-4-89, Cl. 49-480.000.
- Kisanuki, Hisayuki: *See—*
  - Onishi, Kunikazu; Kisanuki, Hisayuki; and Naito, Takeshi, 4,864,774, Cl. 49-440.000.
- Kischkel, Ditmar: *See—*
  - Wegener, Ingo; Meffert, Alfred; and Kischkel, Ditmar, 4,820,448, Cl. 252-533.000.
- Kise, Masahiro; Kitano, Masahiko; Ozaki, Masakuni; Kazuno, Kenji; Shirahase, Ichiro; Tomii, Yoshifumi; and Segawa, Jun, to Nippon Shinyaku Co., Ltd. Substituted thiazetoquinoline-3-carboxylic acids and pharmaceutically acceptable salts thereof. 4,843,070, 6-27-89, Cl. 514-210.000.
- Kise, Masahiro; Ozaki, Masakuni; Kazuno, Kenji; Tomii, Yoshifumi; Segawa, Jun; and Yasufuki, Shoji, to Nippon Shinyaku Co. Ltd. Thiazetidine derivatives. 4,882,328, 11-21-89, Cl. 514-236.200.
- Kise, Masahiro: *See—*
  - Kimura, Kiyoshi; Kise, Masahiro; Morita, Iwao; Tomita, Toshio; and Tsuda, Masami, 4,857,515, Cl. 514-89.000.

- Kiselev, Viktor M., to Ukrainsky Nauchno-Issledovatelsky Institut Prirodnykh Gazov "Ukrniigaz" . Mass-transfer apparatus. 4,820,456, 4-11-89, Cl. 261-111.000.
- Kiselev, Viktor M., to Ukrainsky-Nauchno-Issledovatelsky Institut Prirodnykh Gazov "Ukrniigaz" . Contact-and-separating element. 4,838,906, 6-13-89, Cl. 55-238.000.
- Kiselev, Vladimir G.: *See—*
  - Fedorov, Svyatoslav N.; Pashinova, Nadezhda F.; Anisimov, Sergei I.; Degtev, Evgeny I.; Zakharov, Dmitry V.; Karavaev, Alexandr A.; Kiselev, Vladimir G.; Juzhelevsky, July A.; and Sokolov, Sergei V., 4,863,462, Cl. 623-6.000.
- Kiselevsky, Boris A.: *See—*
  - Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; Oleinik, Viktor N.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chajuk, Igor A.; Lipatov, Jury S.; Veselovsky, Roman A.; and Kiselevsky, Boris A., 4,865,673, Cl. 156-156.000.
- Kiselman, Mark L.: *See—*
  - Ledyashov, Oleg A.; Petrov, Stanislav F.; Goryainov, Stanislav P.; Kiselman, Mark L.; Laptev, Anatoly M.; and Mishin, Viktor I., 4,809,779, Cl. 166-173.000.
- Kisenwether, David L.: *See—*
  - Cauri, John O.; DeSiena, Bernard A.; Johnson, Chris G.; and Kisenwether, David L., 4,795,119, Cl. 248-222.200.
- Kiser, Donald L., to Grain Processing Corporation. Removal of water from aqueous alcohol mixtures. 4,868,346, 9-19-89, Cl. 568-916.000.
- Kiser, Randall: *See—*
  - Challberg, Sharon S.; and Kiser, Randall, 4,822,742, Cl. 435-310.000.
- Kiser, T. Kay; Nelson, Erik K.; and Saccocio, Edward J., to Mead Corporation, The. High resolution full color exposure device using an electronically generated mask. 4,811,089, 3-7-89, Cl. 358-75.000.
- Kiser, Thomas E., to Professional Supply, Inc. Regulation of atmospheric conditions within a confined space. 4,850,264, 7-25-89, Cl. 98-1.500.
- Kish, John K.: *See—*
  - Schwartz, Ronald S.; Kish, John K.; Jellum, Jeffery J.; and Organick, Allen B., 4,827,770, Cl. 73-324.000.
- Kish, John W.; Alcorn, John S.; and Burleson, David B., to Lanier Business Products, Inc. Operating system independent virtual memory computer system. 4,868,738, 9-19-89, Cl. 364-200.000.
- Kish, Leslie G.: *See—*
  - Scalzo, Augustine J.; and Kish, Leslie G., 4,850,196, Cl. 60-740.000.
- Kishbaugh, Dennis L.: *See—*
  - Mottur, George P.; Kishbaugh, Dennis L.; Cope, Hilbert J., Jr.; and Cooper, Edward W., 4,844,930, Cl. 426-438.000.
- Kishi, Atsuo; and Mizukami, Masao, to Hitachi, Ltd. Compressor of rotary vane type. 4,795,325, 1-3-89, Cl. 418-87.000.
- Kishi, Etsuro: *See—*
  - Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
- Kishi, Fumio: *See—*
  - Sawada, Takeshi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, 4,835,069, Cl. 428-694.000.
- Kishi, Hajimu; Matsui, Mitsuo; and Aramaki, Hitoshi, to Fanuc Ltd. Machine tool for tracer controlled machinery and numerical controlled machinery. 4,803,633, 2-7-89, Cl. 364-474.030.
- Kishi, Hajimu; Sakakibara, Shinsuke; and Ishikawa, Haruyuki, to Fanuc Ltd. Automatic welding machine torch movement control system. 4,831,235, 5-16-89, Cl. 219-125.120.
- Kishi, Hajimu; Takegahara, Takashi; and Yukutomo, Masashi, to Fanuc Ltd. Method of reconfiguration of storage areas in an apparatus for creating NC tapes. 4,841,432, 6-20-89, Cl. 364-191.000.
- Kishi, Hajimu; Tanaka, Kunio; Yukutomo, Masashi; and Matsumura, Teruyuki, to Fanuc Ltd. Numerical control unit file protection system. 4,884,211, 11-28-89, Cl. 364-474.220.
- Kishi, Hiroshi: *See—*
  - Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, 4,809,130, Cl. 361-321.000.
  - Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, 4,809,131, Cl. 361-321.000.
- Kishi, Hiroyasu; and Arai, Hiromi, to Sanyo Electric Co., Ltd. Sync detection circuit. 4,814,878, 3-21-89, Cl. 358-148.000.
- Kishi, Hiroyasu; and Arai, Hiromi, to Sanyo Electric Co., Ltd. Vertical driving pulse generating circuit. 4,845,563, 7-4-89, Cl. 358-158.000.
- Kishi, Kazushi; Umebayashi, Seiki; Tani, Eiji; and Kobayashi, Kazuo, to Agency of Industrial Science and Technology. Process for producing high strength βsialon-silicon carbide composite. 4,816,428, 3-28-89, Cl. 501-89.000.
- Kishi, Masahichi; Seki, Seizo; and Kanmuri, Noboru, to Nippon Telegraph & Telephone Public Corporation. Wireless transmission system for PM modulation signal. 4,799,257, 1-17-89, Cl. 380-9.000.
- Kishi, Masakiti: *See—*
  - Hashiguchi, Yoshiyuki; Kishi, Masakiti; and Yagyu, Takehiko, 4,870,143, Cl. 526-70.000.
- Kishi, Masamichi; and Sugawa, Hiroya, to Minolta Camera Kabushiki Kaisha. Microfilm reader scanner capable of editing image. 4,807,041, 2-21-89, Cl. 358-256.000.
- Kishi, Masamichi: *See—*
  - Hirota, Yoshihiko; and Kishi, Masamichi, 4,839,719, Cl. 38-75.000.
- Kishi, Matsuo: *See—*
  - Suzuki, Teruo; Kishi, Matsuo; Muraishi, Katsuyoshi; Ogawa, Kenichi; and Takashio, Hiroshi, 4,863,805, Cl. 428-558.000.
- Kishi, Mitsuhiro; and Nagasawa, Yokichi. Earth-working machine. 4,797,060, 1-10-89, Cl. 414-687.000.
- Kishi, Norimasa: *See—*
  - Ohkawara, Masaru; and Kishi, Norimasa, 4,870,594, Cl. 364-474.240.
  - Saitoh, Hiroshi; Noso, Kazunori; Kurami, Kunihiko; and Kishi, Norimasa, 4,819,169, Cl. 364-424.020.
- Kishi, Noriyuki, to Honda Giken Kogyo Kabushiki Kaisha. Method of controlling valve operation in an internal combustion engine. 4,887,561, 12-19-89, Cl. 123-90.160.
- Kishi, Noriyuki: *See—*
  - Inoue, Kazuo; Kubota, Osamu; Kishi, Noriyuki; and Katoh, Atsushi, 4,848,086, Cl. 60-602.000.
  - Otobe, Yutaka; and Kishi, Noriyuki, 4,876,995, Cl. 123-90.120.
- Kishi, Takaaki: *See—*
  - Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, 4,821,153, Cl. 361-505.000.
  - Tezuka, Junichi; Kishi, Takaaki; and Murata, Yasuto, 4,851,902, Cl. 358-101.000.
- Kishi, Takao, to NEC Corporation. Instruction address producing unit capable of accessing an instruction segment of an extended size. 4,864,493, 9-5-89, Cl. 364-200.000.
- Kishi, Tomomi: *See—*
  - Izumi, Akira; Kishi, Tomomi; and Niwa, Hideo, 4,840,417, Cl. 294-65.500.
- Kishi, Toru; and Saito, Takashi, to Victor Company of Japan, Limited. Thermal deformation controlled enclosure for a disk drive system. 4,825,316, 4-25-89, Cl. 360-97.020.
- Kishi, Toru: *See—*
  - Takahashi, Kenichiroh; Inaba, Ritsuo; Sugano, Nobukazu; Harao, Horiyuki; Matsuyama, Yukihiro; Tanoue, Hiromi; and Kishi, Toru, 4,888,514, Cl. 310-316.000.
- Kishi, Toshiaki; and Tamotsu, Miura, to Honda Giken Kogyo Kabushiki Kaisha. Rear fender assembly for a motorcycle. 4,815,555, 3-28-89, Cl. 180-227.000.
- Kishi, Yasuo; Inoue, Hiroshi; and Tanaka, Hiroyuki, to Sanyo Electric Co., Ltd. Photovoltaic device. 4,795,500, 1-3-89, Cl. 136-244.000.
- Kishi, Yasuo: *See—*
  - Murata, Kenji; and Kishi, Yasuo, 4,808,242, Cl. 136-244.000.
  - Murata, Kenji; and Kishi, Yasuo, 4,851,658, Cl. 250-211.00R.
- Kishi, Yuji: *See—*
  - Ishizaka, Yoshirou; Naganuma, Hiroshi; Sato, Kenji; Kishi, Yuji; Ishida, Yoshihisa; and Goto, Kiyokazu, 4,872,320, Cl. 62-255.000.
- Kishi, Yutaka: *See—*
  - Yasuda, Kazuhito; and Kishi, Yutaka, 4,840,916, Cl. 437-3.000.
- Kishibata, Kazuo; and Sawaguchi, Naozi, to Kabushiki Kaisha Okawara Seisakusho; and Freund Industrial Co., Ltd. Fluidized-bed granulating apparatus. 4,834,299, 5-30-89, Cl. 241-5.000.
- Kishida, Akira: *See—*
  - Kawai, Yoshito; Kishida, Akira; Yokoama, Shiroh; Yokoyama, Ichiku; and Yokoyama, Goudai, 4,806,724, Cl. 219-121.680.
  - Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.
- Kishida. Daisuke; and Sasaki, Saburo, to Ricoh Company, Ltd. Exposure control device for a camera. 4,878,081, 10-31-89, Cl. 354-414.000.
- Kishida, Fumio: *See—*
  - Kawakami, Hiroshi; Shiratori, Harunori; Sugihara, Koichi; Watanabe, Atsushi; and Kishida, Fumio, 4,858,713, Cl. 180-143.000.
- Kishida, Hideaki: *See—*
  - Kano, Yukio; Yoshikawa, Kuniyuki; Kishida, Hideaki; Ito, Hiroshi; and Maeda, Mitsutoshi, 4,839,525, Cl. 250-560.000.
- Kishida, Hideo, to Dai Nippon Insatsu Kabushiki Kaisha. Lenticular lens screen. 4,859,027, 8-22-89, Cl. 350-128.000.
- Kishida, Katsuhiro: *See—*
  - Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.
- Kishida, Kazuo; Toyooka, Yutaka; and Kimura, Atsushi, to Mitsubishi Rayon Co., Ltd. Process for the preparation of maleimide copolymers and thermoplastic resin composition using the same. 4,804,706, 2-14-89, Cl. 525-66.000.
- Kishida, Kazuo; Toyooka, Yutaka; and Mikami, Yoshiyuki, to Mitsubishi Rayon Company Limited. Process for producing a low gloss thermoplastic resin. 4,877,844, 10-31-89, Cl. 525-316.000.
- Kishida, Kozo; Shishiuchi, Hiromi; and Mimura, Takao, to Seiko Epson Corporation. Printer for monochrome and color printing. 4,867,587, 9-19-89, Cl. 400-216.200.
- Kishida, Masahiko: *See—*
  - Akiyama, Hiroyuki; Sudo, Yoshimi; Kishida, Masahiko; and Nishida, Mitsuru, 4,806,293, Cl. 264-53.000.
- Kishida, Nobuhiro: *See—*
  - Maruhashi, Yoshitsugu; Iida, Setsuko; Sugisaki, Takashi; Mizutani, Yohji; and Kishida, Nobuhiro, 4,803,036, Cl. 264-526.000.
  - Takakusaki, Nobuyuki; Mizutani, Yohji; Kishida, Nobuhiro; and Hosokawa, Manabu, 4,850,850, Cl. 425-526.000.
- Kishida, Satoru; Sakashita, Kazuhiro; and Tomioka, Ichiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit device. 4,864,579, 9-5-89, Cl. 371-22.300.
- Kishida, Satoru: *See—*
  - Sakashita, Kazuhior; Kishida, Satoru; and Hanibuchi, Toshiaki, 4,825,439, Cl. 371-15.000.
  - Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; Tomioka, Ichiro; and Arakawa, Takahiko, 4,856,002, Cl. 371-21.000.
  - Tomioka, Ichiro; Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; and Arakawa, Takahiko, 4,870,345, Cl. 371-22.300.

Kishida, Seiichiro; and Sato, Minoru, to Fuji Photo Film Co., Ltd. Silver halide photographic material and method for preparation thereof. 4,814,264, 3-21-89, Cl. 430-567.000.

Kishida, Seiichiro; and Sato, Minoru, to Fuji Photo Film Co., Ltd. Method for preparing silver halide photographic emulsions. 4,886,272, 12-19-89, Cl. 430-569.000.

Kishida, Tsuyoshi: *See—*

Odaka, Hiroshi; and Kishida, Tsuyoshi, 4,858,780, Cl. 220-359.000.

Kishida, Yoshihiro: *See—*

Sasada, Shigeru; Nagata, Shinichi; Hirosawa, Makoto; and Kishida, Yoshihiro, 4,861,983, Cl. 250-235.000.

Kishigami, Hidechika: *See—*

Tokumaru, Takeji; and Kishigami, Hidechika, 4,807,175, Cl. 364-760.000.

Kishima, Masayoshi: *See—*

Hirakui, Hidemasa; and Kishima, Masayoshi, 4,820,093, Cl. 410-107.000.

Hirakui, Hidemasa; and Kishima, Masayoshi, 4,820,094, Cl. 410-107.000.

Kishima, Noboru; and Matsumoto, Akio, to Toto Ltd. Method of producing porous material having open pores. 4,797,425, 1-10-89, Cl. 521-64.000.

Kishima, Noboru; and Matsumoto, Akio, to Toto Ltd. Method of producing porous material having open pores. 4,828,771, 5-9-89, Cl. 264-41.000.

Kishimoto, Akihiko: *See—*

Kobayashi, Hirokazu; and Kishimoto, Akihiko, 4,889,893, Cl. 525-189.000.

Kishimoto, Fukutaro: *See—*

Fukunaga, Tokio; Kishimoto, Fukutaro; Sato, Mitsuru; Yabuuchi, Kazuyoshi; Tomita, Haruhiko; and Maeno, Kazuo, 4,795,605, Cl. 376-142.000.

Kishimoto, Hideaki: *See—*

Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Oka, Hiromu; Ueda, Tsunehiro; Koshikawa, Takao; Kishimoto, Hideaki; and Shimokawa, Fumitaka, 4,806,163, Cl. 106-38.220.

Kishimoto, Hideo; Sugita, Keizo; and Yoshitoshi, Makoto, to Nippon Telegraph and Telephone Corporation. Digital code decoding apparatus. 4,815,107, 3-21-89, Cl. 375-96.000.

Kishimoto, Juji, to Canon Kabushiki Kaisha. Electronic dictionary. 4,811,273, 3-7-89, Cl. 364-900.000.

Kishimoto, Junichi: *See—*

Hayashi, Minoru; Kobari, Koichi; Sato, Kimiharu; and Kishimoto, Junichi, 4,833,996, Cl. 102-530.000.

Kishimoto, Kanji: *See—*

Koyari, Yukio; Sogame, Eiji; Kishimoto, Kanji; and Kakuma, Yojiro, 4,879,874, Cl. 60-259.000.

Kishimoto, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Stand-alone transmission controller. 4,855,998, 8-8-89, Cl. 370-86.000.

Kishimoto, Kazuo: *See—*

Yamamoto, Katsuyuki; Itoh, Kazutoyo; Kishimoto, Kazuo; and Yamashita, Wakio, 4,815,921, Cl. 414-331.000.

Kishimoto, Ken: *See—*

Saito, Kazuo; Saito, Toshihiko; and Kishimoto, Ken, 4,840,558, Cl. 431-1.000.

Kishimoto, Masashi; Asami, Ken; and Sakai, Kazunori, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Apparatus for controlling hydraulic pressure to be applied to effect braking of wheels. 4,805,104, 2-14-89, Cl. 364-426.010.

Kishimoto, Mikio; Nakazumi, Tetsuya; Kawai, Tomoji; and Kawai, Shichio, to Hitachi Maxell, Ltd. Magnetic recording medium. 4,803,132, 2-7-89, Cl. 428-141.000.

Kishimoto, Mikio: *See—*

Kitahata, Shinichi; and Kishimoto, Mikio, 4,851,276, Cl. 428-141.000.

Kishimoto, Minoru, to Mazda Motor Corp. Transmission synchronizer. 4,823,631, 4-25-89, Cl. 74-339.000.

Kishimoto, Mitsuharu: *See—*

Maeda, Takuya; Murakami, Keikichi; Yamada, Tsutomu; Kishimoto, Mitsuharu; Yajima, Kenichi; and Takemura, Yoshihiko, 4,886,246, Cl. 266-157.000.

Kishimoto, Mituru: *See—*

Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, 4,815,419, Cl. 123-41.420.

Kishimoto Sangyo Company Ltd.: *See—*

Moriwaki, Takeshi; and Tsutsui, Kenji, 4,831,074, Cl. 524-494.000.

Kishimoto, Satoshi: *See—*

Nakamura, Norimasa; and Kishimoto, Satoshi, 4,878,217, Cl. 370-77.000.

Kishimoto, Shinichi: *See—*

Inoue, Kazushige; Yamamoto, Hiroshi; Hyodo, Hiroshi; and Kishimoto, Shinichi, 4,876,204, Cl. 436-46.000.

Tsuji, Toshiaki; and Kishimoto, Shinichi, 4,810,816, Cl. 560-41.000.

Kishimoto, Shinji: *See—*

Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,840,180, Cl. 128-661.080.

Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,850,366, Cl. 128-661.080.

Tamano, Satoshi; Ito, Yukio; Kishimoto, Shinji; and Sato, Yutaka, 4,830,016, Cl. 128-661.090.

Kishimoto, Shinzo; Nishikawa, Toshihiro; Abe, Akira; and Nakajima, Junya, to Fuji Photo Film Co., Ltd. Method for processing a silver halide color photographic material including a hydrolyzable type dir coupler including bleaching and bleach-fixing processing. 4,798,784, 1-17-89, Cl. 430-382.000.

Kishimoto, Shinzo; and Ohno, Shigeru, to Fuji Photo Film Co., Ltd. Method for processing silver halide color photographic light-sensitive material. 4,845,017, 7-4-89, Cl. 430-393.000.

Kishimoto, Shinzo: *See—*

Abe, Akira; Kishimoto, Shinzo; and Ogawa, Yasuhisa, 4,822,725, Cl. 430-393.000.

Aida, Shunichi; Yagihara, Morio; Kishimoto, Shinzo; and Fujimoto, Hiroshi, 4,849,324, Cl. 430-445.000.

Fujita, Yoshihiro; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Kishimoto, Shinzo, 4,853,318, Cl. 430-380.000.

Sakanoue, Kei; Ichijima, Seiji; and Kishimoto, Shinzo, 4,812,389, Cl. 430-382.000.

Kishimoto, Shoji; Matsuo, Taisuke; and Ochiai, Michihiko, to Takeda Chemical Industries, Ltd. 1-sulfo-2-oxozetidine derivatives and their product ion. 4,822,788, 4-18-89, Cl. 514-210.000.

Kishimoto, Shoji; Tomimatsu, Kiminori; and Sendai, Michiyuki, to Takeda Chemical Industries, Ltd. Cephem compounds. 4,833,134, 5-23-89, Cl. 514-206.000.

Kishimoto, Shoji: *See—*

Yoshimura, Yoshinobu; Hashimoto, Naoto; and Kishimoto, Shoji, 4,826,834, Cl. 514-207.000.

Kishimoto, Tadao; Isobe, Toshifumi; Maruyama, Hiroyuki; and Yokobori, Jun, to Konishiroku Photo Industry Co., Ltd. Color image-forming apparatus for producing overlapped monochrome images. 4,806,973, 2-21-89, Cl. 355-4.000.

Kishimoto, Tadao: *See—*

Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, 4,849,829, Cl. 358-451.000.

Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, 4,878,110, Cl. 358-75.000.

Kishimoto, Toshiaki: *See—*

Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.

Kishimoto, Yoshinobu; Ando, Takashi; and Kudo, Harumi, to Matsushita Electric Industrial Co., Ltd. Cassette loading apparatus. 4,866,551, 9-12-89, Cl. 360-96.500.

Kishimoto, Yoshinobu: *See—*

Ando, Takashi; Makino, Yoshihiro; Kishimoto, Yoshinobu; and Asaoka, Tetsuki, 4,831,472, Cl. 360-96.500.

Kishimoto, Yoshio: *See—*

Ono, Kiyoshi; Sakurai, Yasuo; Kishimoto, Yoshio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Matsuda, Tetsuaki; and Kobayashi, Junichi, 4,822,670, Cl. 428-317.300.

Kishimoto, Yuji; and Uchinami, Masanobu, to Mitsubishi Denki Kabushiki Kaisha. Engine speed control method. 4,884,540, 12-5-89, Cl. 123-339.000.

Kishine, Nobuyuki; Hirakura, Megumu; and Imamura, Tetsuya, to KAO Corporation. Protective structure for jacket for rotatable magnetic recording media. 4,811,152, 3-7-89, Cl. 360-133.000.

Kishino, Hidenori: *See—*

Takeuchi, Hiroyuki; and Kishino, Hidenori, 4,804,919, Cl. 324-309.000.

Kishino, Kazuo; Tanaka, Takao; Shigenobu, Michio; Hirabayashi, Hiromitsu; Hibi, Takashi; and Kusaka, Kensaku, to Canon Kabushiki Kaisha. Elastic roller with internal openings for use with image forming apparatus. 4,823,689, 4-25-89, Cl. 100-155.00R.

Kishino, Kimishiro: *See—*

Kamei, Masaharu; Negishi, Tsutomu; Nishikawa, Masaru; and Kishino, Kimishiro, 4,855,133, Cl. 424-84.000.

Kishino, Kuniaki: *See—*

Nakamura, Tamiya; Bamba, Hiroshi; Furuhashi, Toru; Ozeki, Takaaki; Kishino, Kuniaki; and Inagaki, Toshihiko, 4,845,710, Cl. 370-110.100.

Kishino, Takao; and Mizohata, Tadashi, to Futaba Denshi Kogyo Kabushiki Kaisha. Fluorescent display device. 4,841,194, 6-20-89, Cl. 313-496.000.

Kishio, Toshiaki: *See—*

Yada, Yukihiko; and Kishio, Toshiaki, 4,884,380, Cl. 52-208.000.

Kishiro, Osamu; Kasai, Atsushi; Nozawa, Seiichi; and Kamata, Hiroshi, to Mitsubishi Chemical Industries Limited. Wholly aromatic polyester and process for its production. 4,857,626, 8-15-89, Cl. 528-176.000.

Kishishita, Hiroshi: *See—*

Endo, Yoshihiro; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, 4,880,661, Cl. 427-38.000.

Nakamura, Noriaki; Isaka, Kinichi; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, 4,814,237, Cl. 428-690.000.

Kishishita, Keiji: *See—*

Okada, Masaki; and Kishishita, Keiji, 4,800,726, Cl. 60-614.000.

Kishishita, Ryutaro. Slot machine. 4,874,173, 10-17-89, Cl. 273-143.00R.

Kishishita, Ryutaro. Tokenless slot machine system. 4,880,237, 11-14-89, Cl. 273-138.00A.

Kishita, Takehisa; Nagashima, Toshiharu; and Murakami, Takeshi, to Konishiroku Photo Industry Co., Ltd. Manufacturing process for silver halide photographic emulsion. 4,847,190, 7-11-89, Cl. 430-569.000.

Kishitani, Keisuke: *See—*

Morita, Izuru; Kishitani, Keisuke; Kajitani, Masayoshi; Tozawa, Shoji; Satoh, Masanori; Otabe, Kisaburo; and Onda, Mamoru, 4,884,398, Cl. 60-274.000.

Kishitani, Yoriko: *See—*

Hiejima, Kiyoshi; Uehashi, Hiroyuki; Kishitani, Yoriko; and Kojima, Toshitada, 4,864,088, Cl. 219-10.55B.

Kishiye, Takao: *See—*

Shinkai, Hiroshi; and Kishiye, Takao, 4,829,082, Cl. 514-458.000.

Kishizawa, Yuji: *See—*

Kato, Yukio; Nishimura, Sadanori; and Kishizawa, Yuji, 4,831,891, Cl. 74-745.000.

Kishore, Vimal: *See—*

Latman, Neal S.; Kishore, Vimal; and Bruot, Brent C., 4,795,747, Cl. 514-182.000.

Kishuyakushiume Kabushiki Kaisha: *See—*

Nakashima, Todomu, 4,806,365, Cl. 426-17.000.

Kisida, Hirosi; Nishida, Sumio; and Hatakoshi, Makoto, to Sumitomo Chemical Company, Limited. Nitrogen-containing heterocyclic compounds, and use as insecticide. 4,847,259, 7-11-89, Cl. 514-274.000.

Kisida, Hirosi: *See—*

Nishida, Sumio: Matsuo, Noritada; Hatakoshi, Makoto; and Kisida, Hirosi, 4,879,292, Cl. 514-241.000.

Kiske, Siegfried, to Dragerwerk Aktiengesellschaft. Method and apparatus for determining a measurable variable. 4,821,568, 4-18-89, Cl. 73-204.170.

Kiskinova, Maya: *See—*

Yates, John T., Jr.; Griffin, Gregory L.; and Kiskinova, Maya, 4,877,584, Cl. 422-88.000.

Kisler, Semyon, to Polaroid Corporation. Method and apparatus for establishing a uniform charge on a substrate. 4,810,432, 3-7-89, Cl. 264-22.000.

Kisler, Semyon, to Polaroid Corporation. Bath-fed electrostatic coating applicator and method. 4,810,522, 3-7-89, Cl. 427-31.000.

Kisler, Semyon, to Polaroid Corporation. High potential brush polarizer. 4,825,334, 4-25-89, Cl. 361-212.000.

Kisler, Semyon, to Polaroid Corporation. Method and apparatus for electrically controlling coating layer dimensions. 4,826,703, 5-2-89, Cl. 427-14.100.

Kisling, Douglas L.: *See—*

Bonner, George; Rodriguez, Milo R.; and Kisling, Douglas L., 4,808,069, Cl. 415-160.000.

Kislovski, Andre, to Hasler AG. Inductive, electrically-controllable component. 4,853,611, 8-1-89, Cl. 323-335.000.

Kiso, Eijiro, to Kabushiki Kaisha Kiso Seisakusho. Grinding machine for drill bits. 4,848,036, 7-18-89, Cl. 51-96.000.

Kiso, Junko: *See—*

Kikuchi, Yutaka; Nagashima, Nao; and Kiso, Junko, 4,807,044, Cl. 358-280.000.

Kiso, Osamu: *See—*

Kakimoto, Hirofumi; Kiso, Osamu; and Shimada, Shinya, 4,803,112, Cl. 428-161.000.

Kiso, Yoshiaki: *See—*

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,841,067, Cl. 548-344.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,853,463, Cl. 530-323.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,857,650, Cl. 548-336.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,863,904, Cl. 514-18.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,870,183, Cl. 546-210.000.

Kiso, Yoshihisa; Matsunaga, Yuuichi; and Imagawa, Masao, to Mitsui Petrochemical Industries, Ltd. Preparation of cyclic carbonates. 4,880,942, 11-14-89, Cl. 549-228.000.

Kisoda, Akira; Suzuki, Hiroshi; Hosaka, Tomiharu; and Hasegawa, Masanaru, to Matsushita Electric Industrial Co., Ltd. Method for producing magnetic recording medium. 4,808,437, 2-28-89, Cl. 427-130.000.

Kisojiban Consultants Co., Ltd.: *See—*

Sakai, Katsuo; Muromachi, Tadahiko; and Sakai, Yukio, 4,806,153, Cl. 73-151.000.

Kisou, Masaaki: *See—*

Takeuchi, Motohiko; and Kisou, Masaaki, 4,807,034, Cl. 358-167.000.

Takeuchi, Motohiko; and Kisou, Masaaki, 4,833,537, Cl. 358-167.000.

Kispert, Klaus; and Stolz, Robert, to SKF GmbH. Roller bearing executing swivel motions with device for the synchronous guidance of the bearing cage. 4,884,902, 12-5-89, Cl. 384-550.000.

Kispert, Klaus: *See—*

Schroder, Horst; Kispert, Klaus; Stolz, Robert; and Jacob, Werner, 4,856,917, Cl. 384-550.000.

Kiss, Akos; Kleinschmit, Peter; Volker, Werner; and Halbritter, Gunter, to Degussa Aktiengesellschaft. Luminescing glasses. 4,806,268, 2-21-89, Cl. 252-331.40F.

Kiss, Akos; Kleinschmit, Peter; Hanich, Juergen; Halbritter, Guenter; and Horst, Jenny, to Degussa Aktiengesellschaft. Methods of preparing encapsulated pigments. 4,874,433, 10-17-89, Cl. 106-450.000.

Kiss, Andras S.: *See—*

Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.

Kiss, Bela: *See—*

Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo , 4,859,682, Cl. 514-288.000.

Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.

Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; and Laszlovszky, Istvan, 4,874,765, Cl. 514-255.000.

Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.

Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.

Toth, Edit; Kiss, Bela; Turley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,866,062, Cl. 514-255.000.

Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,868,184, Cl. 514-255.000.

Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, 4,810,709, Cl. 514-283.000.

Kiss, Charles R.; and Huang, Shu-Jen W., to Nalco Chemical Company. Paint detackification. 4,800,217, 1-24-89, Cl. 525-163.000.

Kiss, Eva: *See—*

Abraham, Gizella; Horvath, Tibor; Toldy, Lajos; Borvendeg, Janos; Csanyi, Endre; Kiss, Eva; nee Hermann, Ilona S.; and Tory, Kalman, 4,806,685, Cl. 564-324.000.

Kiss, Gunter H. Process for the manufacture of molded parts from fibrous material and fiber matting for the manufacture of molded parts. 4,828,913, 5-9-89, Cl. 428-283.000.

Kiss, Gyorgy: *See—*

Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.

Kiss, Istvan: *See—*

Timar, Tibor; Zsupan, Kalman; Repasi, Janos; Borsos nee Safranek, Iren; Kiss, Istvan; Fodor, Andras; and Maroy, Peter, 4,866,089, Cl. 514-456.000.

Kiss, Laszlo A.: *See—*

Stutz, William A.; Kiss, Laszlo A.; and Rizzi, Joseph D., 4,888,607, Cl. 354-323.000.

Kiss, Michael Z. Signalling apparatus for hearing impaired persons. 4,853,674, 8-1-89, Cl. 340-407.000.

Kissei Pharmaceutical Co., Ltd.: *See—*

Furukawa, Sunao; Yoshimoto, Tadashi; Ajisawa, Yukiyoshi; Ikeguchi, Seiichi; and Kinoshita, Yukihiko, 4,857,524, Cl. 514-227.500.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,841,067, Cl. 548-344.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,853,463, Cl. 530-323.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,857,650, Cl. 548-336.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,863,904, Cl. 514-18.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,870,183, Cl. 546-210.000.

Kurashina, Yoshikazu; Miyata, Hiroshi; and Momose, Den-ichi, 4,877,795, Cl. 514-306.000.

Kissel, Ralph R.: *See—*

Currie, James R.; Kissel, Ralph R.; Oliver, Charles E.; Smith, Earnest C.; Redmon, John W.; Wallace, Charles C.; and Swanson, Charles P., 4,821,425, Cl. 33-520.000.

Kissel, Thomas; Reinhardt, Jurg; and Schrank, Henriette, to Sandoz Ltd. Interleukin therapy. 4,863,740, 9-5-89, Cl. 424-450.000.

Kissener, Wolfram; Franke, Joachim; Fiege, Helmut; and Wedemeyer, Karlfried, to Bayer Aktiengesellschaft. Process for the preparation of N,N-diaryl-ureas. 4,820,871, 4-11-89, Cl. 564-55.000.

Kissick, Lloyd P. Coin caddy attachment for vending machine. 4,846,333, 7-11-89, Cl. 194-344.000.

Kissinger, Gaylord M., to General Electric Company. Process for preparing bisphenol-A. 4,847,433, 7-11-89, Cl. 568-727.000.

Kissinger, Gaylord M., to General Electric Company. Process for preparation and purification of bisphenols. 4,876,391, 10-24-89, Cl. 568-724.000.

Kissinger, Gaylord M., to General Electric Company. Process for color stabilization of bisphenol-A. 4,876,395, 10-24-89, Cl. 568-728.000.

Kissinger, Paula A.: *See—*

Assini, John E.; Kissinger, Paula A.; and Taylor, Lance S., 4,865,555, Cl. 439-82.000.

Kissling, Bruno; and Robinson, Tibor, to Sandoz Ltd. Composition useful for aftertreating dyeings, printings and optical brightenings:

epihaldhydrin-ammonia reaction product and allylamine polymer. 4,838,896, 6-13-89, Cl. 8-554.000.

- Kissling, Rene; and Staubli, Werner, to Schurter AG. Electrical shockproof fuse holder. 4,826,454, 5-2-89, Cl. 439-621.000.
- Kissman, Kenneth: *See—*
  - Rabideau, Brian; Laughlin, William D.; Kissman, Kenneth; and Nicowski, Anthony T., 4,885,771, Cl. 379-354.000.
- Kissner, Robert J.: *See—*
  - Wosaba, Charles L., II; Hamilton, Peter W.; and Kissner, Robert J., 4,871,345, Cl. 493-59.000.
- Kistenich, Johann; and Volk, Christian, to Osterreichische Salen-Kunststoffwerk GmbH. Pipe joint connecting plastic pipes and process of making such joint. 4,842,305, 6-27-89, Cl. 285-21.000.
- Kistler Instrumente Aktiengesellschaft: *See—*
  - Engeler, Paul; and Wolfer, Peter, 4,843,887, Cl. 73-730.000.
  - Wolfer, Peter; Schaffner, Georges; and Schmid, Jean-Jacques, 4,800,760, Cl. 73-862.680.
- Kistner, David: *See—*
  - Bianchi, Raymond A.; Kistner, David; Oswald, Joseph; and Phelps, Elmer B., 4,852,662, Cl. 173-119.000.
- Kistner, David R., to Sota Technology, Inc. Article of manufacture and method for encasing same. 4,880,680, 11-14-89, Cl. 428-74.000.
- Kistrup, Holger; Benczur-Urmossy, Gabor; and Haschka, Friedrich, to Deutsche Automobilgesellschaft mbH. Process for electroless metallization of sheetlike textile substrates. 4,835,015, 5-30-89, Cl. 427-306.000.
- Kisumi, Shintaro: *See—*
  - Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
- Kiszelly, Eniko : *See—*
  - Petocz, Lujza; Simonyi, Istvan Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.
- Kiszewski, Robert: *See—*
  - Schulz, Arthur C.; Bommaraju, Tilak V.; Kiszewski, Robert; and Keller, Ursula I., 4,810,345, Cl. 204-296.000.
- Kit, Malon; and Kit, Saul, to NovaGene, Inc.; and Baylor College of Medicine. Thymidine kinase deletion mutants of bovine herpesvirus-1, vaccines against infectious bovine rhinotracheitis containing same and methods for the production and use of same. 4,824,667, 4-25-89, Cl. 424-89.000.
- Kit, Saul: *See—*
  - Kit, Malon; and Kit, Saul, 4,824,667, Cl. 424-89.000.
- Kita, Akihisa: *See—*
  - Sakaguchi, Masaaki; Kita, Akihisa; and Wakatsuki, Keisuke, 4,863,110, Cl. 242-56.00R.
- Kita, Akio, to Oki Electric Industry Co., Ltd. MIS FET and process of fabricating the same. 4,873,557, 10-10-89, Cl. 357-23.100.
- Kita, Hiroshi: *See—*
  - Ueno, Ryuzo; Ueno, Ryuji; Kita, Hiroshi; Kato, Ichie; Tabata, Akihiko; and Hironaka, Takashi, 4,868,203, Cl. 514-423.000.
- Kita, Hiroyuki: *See—*
  - Ebihara, Norio; Sasaki, Takayuki; Kita, Hiroyuki; and Ohsawa, Yoshihito, 4,864,402, Cl. 358-160.000.
- Kita, Hisanao: *See—*
  - Wada, Takeshi; Kita, Hisanao; Karatsu, Yoshinori; and Akutsu, Yoji, 4,794,688, Cl. 29-599.000.
- Kita, Junichi: *See—*
  - Oka, Syotaro; Kita, Junichi; Kuyama, Hiroki; and Kiri, Motosada, 4,867,850, Cl. 204-15.000.
- Kita, Kazuyuki: *See—*
  - Funatsu, Chuhei; and Kita, Kazuyuki, 4,853,700, Cl. 342-30.000.
  - Kita, Yasuo; and Kita, Kazuyuki, 4,813,340, Cl. 91-488.000.
- Kita, Keiko: *See—*
  - Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teruo; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, 4,886,756, Cl. 435-199.000.
  - Obayashi, Akira; Hiraoka, Nobutsugu; Kita, Keiko; and Nakajima, Hiroshi, 4,808,531, Cl. 435-195.000.
- Kita, Kenji: *See—*
  - Yokota, Takayoshi; Horiya, Shigekazu; and Kita, Kenji, 4,848,973, Cl. 405-263.000.
- Kita, Masahiro: *See—*
  - Negishi, Kiyoshin; Negoro, Ikuo; and Kita, Masahiro, 4,870,434, Cl. 346-160.000.
  - Negoro, Ikuo; and Kita, Masahiro, 4,890,140, Cl. 355-290.000.
  - Takeda, Naohiro; Otani, Yuzo; Kita, Masahiro; and Okajima, Nariaki, 4,795,672, Cl. 428-216.000.
- Kita, Mikio: *See—*
  - Takada, Tetsuo; Kita, Mikio; and Yonemochi, Kenzo, 4,795,294, Cl. 411-457.000.
- Kita, Nobuyuki; and Imai, Masanori, to Fuji Photo Film Co., Ltd. Photosensitive composition comprising a polymer with maleimide group in side chain and a diazo resin. 4,845,009, 7-4-89, Cl. 430-176.000.
- Kita, Nobuyuki: *See—*
  - Higashi, Tatsuji; and Kita, Nobuyuki, 4,877,719, Cl. 430-326.000.
  - Sugiyama, Masami; Kita, Nobuyuki; and Tasaka, Yoshihiro, 4,884,221, Cl. 364-526.000.
  - Urabe, Yoshihiko; Higashi, Tatsuji; Takahashi, Hiroshi; and Kita, Nobuyuki, 4,874,686, Cl. 430-272.000.
- Kita, Noriyasu; and Goto, Kiyoshi, to Konishiroku Photo Industry Co., Ltd. Light-sensitive composition. 4,840,869, 6-20-89, Cl. 430-191.000.
- Kita, Ryusuke: *See—*
  - Ohhara, Soji; Nishigaki, Satoshi; Tsuchimoto, Shuhei; and Kita, Ryusuke, 4,828,876, Cl. 427-76.000.
- Kita, Seiji: *See—*
  - Hasegawa, Kenji; Matsui, Kyaji; Kita, Seiji; Kubo, Seiichiro; and Iida, Seiichi, 4,795,444, Cl. 604-218.000.
- Kita, Sumio: *See—*
  - Katsuta, Yuji; Kita, Sumio; Takano, Sakuharu; and Kamada, Hiroshi, 4,797,946, Cl. 382-61.000.
  - Katsuta, Yuji; Kita, Sumio; and Takano, Sakuharu, 4,829,453, Cl. 364-521.000.
- Kita, Yasuo; and Sugawara, Ryosuke, to Shimadzu Corporation. Hydromechanical transmission. 4,813,306, 3-21-89, Cl. 74-687.000.
- Kita, Yasuo; and Kita, Kazuyuki, to Shimadzu Corporation. Rotary fluid energy translating device. 4,813,340, 3-21-89, Cl. 91-488.000.
- Kita, Yasuo. Casing and cover for fluid energy converter. 4,867,042, 9-19-89, Cl. 92-58.000.
- Kita, Yasushi; and Moroi, Shirou, to Central Glass Company, Limited. Method of producing ultrafine particles of graphite fluoride. 4,859,444, 8-22-89, Cl. 423-439.000.
- Kita, Yuichi; Nakagawa, Koichi; Sakamoto, Kentaro; Fukui, Akio; Baba, Masao; and Nakagawa, Yoichi, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Method for production of maleimides. 4,851,547, 7-25-89, Cl. 548-548.000.
- Kita, Yuki: *See—*
  - Aso, Toshiyuki; and Kita, Yuki, 4,833,291, Cl. 219-69.120.
- Kita, Yuuki: *See—*
  - Aso, Toshiyuki; Kita, Yuuki; and Watanabe, Sadahiro, 4,857,688, Cl. 219-69.140.
- Kitabata, Isako: *See—*
  - Kida, Masaaki; Kitabata, Isako; Kubotsu, Kazuhisa; and Sakata, Yoshitsugu, 4,861,597, Cl. 424-450.000.
- Kitabatake, Makoto; Setsune, Kentaro; and Wasa, Kiyotaka, to Matsushita Electric Industrial Co., Ltd. Optical valve. 4,796,982, 1-10-89, Cl. 350-356.000.
- Kitabatake, Makoto; and Wasa, Kiyotaka, to Matsushita Electric Industrial Co., Ltd. Method for deposition of hard carbon film. 4,844,785, 7-4-89, Cl. 204-192.110.
- Kitabatake, Makoto: *See—*
  - Hirochi, Kumiko; Kitabatake, Makoto; and Yamazaki, Osamu, 4,877,677, Cl. 428-216.000.
- Kitabatake, Michiharu; and Tominaga, Akira, to Kansai Paint Co., Ltd. Coating resin composition. 4,883,830, 11-28-89, Cl. 523-414.000.
- Kitabatake, Senji: *See—*
  - Dombou, Munehiko; Tomioka, Isao; Kitabatake, Senji; and Nakejima, Hiroshi, 4,886,749, Cl. 435-89.000.
- Kitabatake, Yaosuo: *See—*
  - Nakamura, Tadashi; Kitabatake, Yaosuo; Takahashi, Yoshiaki; and Maeda, Kazuya, 4,859,560, Cl. 430-137.000.
- Kitabayashi, Eiichi: *See—*
  - Iwamura, Hichihiro; and Kitabayashi, Eiichi, 4,856,687, Cl. 224-169.000.
- Kitabayashi, Katsuhiko: *See—*
  - Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.
- Kitabayashi, Masayuki; and Tanaka, Michio, to Bando Chemical Industries, Ltd. Toothed belt and power transmission device using the same. 4,878,886, 11-7-89, Cl. 474-204.000.
- Kitada, Akira; and Iwasaki, Nobuyuki, to Fuji Photo Film Co., Ltd. Radiographic intensifying screen and radiation image producing method. 4,835,396, 5-30-89, Cl. 250-483.100.
- Kitada, Akira: *See—*
  - Arakawa, Satoshi; Kitada, Akira; Yamazaki, Kikuo; Ohmiya, Kenji; and Kawagoe, Jun, 4,855,191, Cl. 428-690.000.
- Kitada, Fumihiko: *See—*
  - Okamoto, Kenzo; and Kitada, Fumihiko, 4,798,970, Cl. 307-119.000.
  - Okamoto, Kenzo; and Kitada, Fumihiko, 4,833,285, Cl. 219-10.55F.
  - Okamoto, Kenzo; and Kitada, Fumihiko, 4,875,721, Cl. 292-29.000.
- Kitada, Fumiko: *See—*
  - Kikukawa, Hiroyasu; Shimoda, Eiji; Sakai, Mari; and Kitada, Fumiko, 4,875,908, Cl. 55-16.000.
- Kitada, Hideki; Takahashi, Masami; Yagi, Toshiyuki; Sukeda, Masaki; and Nakayama, Tadashi, to Takiron Co., Ltd. Chlorine-containing resin molding and material for use therewith. 4,808,642, 2-28-89, Cl. 524-87.000.
- Kitada, Masahiro; Tanabe, Hideo; Shimizu, Noboru; Kamo, Yoshihisa; Nakamura, Hitoshi; and Takeura, Tooru, to Hitachi, Ltd. Soft-film bias type magnetoresitive device. 4,814,919, 3-21-89, Cl. 360-113.000.
- Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo; Takeura, Tooru; and Momata, Kazuhiro, to Hitachi, Ltd. Magnetoresistive magnetic head including zirconium sheet film. 4,841,399, 6-20-89, Cl. 360-113.000.
- Kitada, Masahiro: *See—*
  - Kamo, Yoshihisa; and Kitada, Masahiro, 4,816,948, Cl. 360-113.000.
- Kitada, Nobuhiko: *See—*
  - Matsumoto, Shinichi; Kitada, Nobuhiko; and Tanaka, Akihiro, 4,814,319, Cl. 503-216.000.
- Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha; and Nippon Jidosha Engineering Kabushiki Kaisha. Engine cooling apparatus. 4,815,419, 3-28-89, Cl. 123-41.420.

- Kitada, Taizou: *See—*
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
- Kitada, Yasutaka: *See—*
  - Inkyo, Mitsugi; Tahara, Takashi; and Kitada, Yasutaka, 4,834,301, Cl. 241-33.000.
- Kitada, Yoshimi: *See—*
  - Okushima, Hiromi; Narimatsu, Akihiro; Kobayashi, Makio; Furuya, Rikizo; and Kitada, Yoshimi, 4,822,797, Cl. 514-252.000.
- Kitade, Susumu, to Omron Tateisi Electronics Co. Transaction processing apparatus having a plurality of bank account numbers. 4,851,650, 7-25-89, Cl. 235-379.000.
- Kitagaki, Kanshiro; Ebihara, Keiko; Morioka, Shigeo; Nakamura, Takao; and Okada, Taizo, to Sato Pharmaceutical Co., Ltd. External preparation composition. 4,886,667, 12-12-89, Cl. 424-195.100.
- Kitagaki, Kazukuni; and Ohto, Takeshi, to Kabushiki Kaisha Toshiba. Coder/decoder for time compressed integration system. 4,858,004, 8-15-89, Cl. 358-133.000.
- Kitagaki, Takashi: *See—*
  - Yamamoto, Yasuo; Inaba, Akira; and Kitagaki, Takashi, 4,859,364, Cl. 252-512.000.
- Kitagawa, Atusi: *See—*
  - Kuwabara, Hedeki; Kitagawa, Atusi; and Kanbe, Masato, 4,822,542, Cl. 264-50.000.
- Kitagawa, Hiroshi, to Kabushiki Kaisha Kawai Gakki Seisakusho. Electronic musical instrument. 4,840,099, 6-20-89, Cl. 84-1.010.
- Kitagawa, Hiroshi, to Kabushiki Kaisha Kawai Gakki Seisakusho. Electronic musical instrument. 4,876,935, 10-31-89, Cl. 84-627.000.
- Kitagawa, Hitomi: *See—*
  - Hanaki, Kenichi; Kitagawa, Hitomi; Tominaga, Takayuki; and Hattori, Tadashi, 4,847,215, Cl. 437-100.000.
- Kitagawa Industries Company, Ltd.: *See—*
  - Fujimoto, Nobuaki, 4,856,151, Cl. 24-453.000.
  - Fujioka, Akio, 4,882,561, Cl. 336-65.000.
  - Matsui, Kazuhiro, 4,813,642, Cl. 248-221.300.
  - Matsui, Kazuhiro, 4,825,185, Cl. 336-92.000.
  - Matsui, Kazuhiro, 4,873,505, Cl. 336-92.000.
  - Nakano, Yoshihito, 4,885,559, Cl. 336-92.000.
- Kitagawa Iron Works Co., Ltd.: *See—*
  - Shiraki, Hisashi; Nagahisa, Toshio; Takeda, Kiyonori; and Harada, Takeshi, 4,832,853, Cl. 210-781.000.
- Kitagawa, Jun; Hijikata, Toshihiko; and Ishikawa, Kazuo, to NGK Insulators, Ltd. Ceramic honeycomb filter for purifying exhaust gases. 4,857,089, 8-15-89, Cl. 55-523.000.
- Kitagawa, Keishi: *See—*
  - Yamamura, Ryuji; Tsuboi, Mikio; Kitagawa, Keishi; and Abe, Masaru, 4,828,695, Cl. 210-198.200.
- Kitaga [illegible] Matsuno, Shigehiro; and Toda, Kazuaki, to Ube-Nitto Kasei Co., Ltd. Method of forming the spacer of an optical fiber cable. 4,814,133, 3-21-89, Cl. 264-174.000.
- Kitagawa, Masahiko; Tomomura, Yoshitaka; Yamaue, Satoshi; and Nakajima, Shigeo, to Sharp Kabushiki Kaisha. Method for the growth of a compound semiconductor crystal. 4,869,776, 9-26-89, Cl. 156-610.000.
- Kitagawa, Masao: *See—*
  - Kawasaki, Eiichiro; Kitagawa, Masao; Okabe, Hidemi; Tabata, Masaru; and Yamada, Minoru, 4,869,367, Cl. 206-409.000.
- Kitagawa, Masaru: *See—*
  - Tamaki, Satoshi; Kitagawa, Masaru; Tsuda, Hirokazu; Nishizawa, Susumu; Kakeya, Nobuhara; and Kitao, Kazuhiko, 4,847,286, Cl. 514-456.000.
- Kitagawa, Masatoshi: *See—*
  - Ishihara, Shinichiro; Kitagawa, Masatoshi; and Hirao, Takashi, 4,800,174, Cl. 437-101.000.
  - Oishi, Konosuke; Tsukada, Masamichi; Kitagawa, Masatoshi; Okumoto, Toyoharu; and Tobe, Hayato, 4,867,562, Cl. 356-312.000.
- Kitagawa, Masayuki; and Tanaka, Makoto, to Daiichi Seiyaku Co., Ltd. Benzopyran derivatives. 4,841,076, 6-20-89, Cl. 549-401.000.
- Kitagawa, Sadao: *See—*
  - Fujii, Masaki; Gotoh, Shiroh; and Kitagawa, Sadao, 4,833,210, Cl. 525-332.100.
- Kitagawa, Satoshi: *See—*
  - Nagai, Satoru; Imahashi, Kazuo; Nagaya, Yoshio; Yoshida, Shigeo; Kitagawa, Satoshi; and Miyazawa, Takatoshi, 4,822,541, Cl. 264-42.000.
  - Yoshida, Shigeo; Kitagawa, Satoshi; Harada, Shozo; Koide, Tetsuya; and Hasegawa, Manabu, 4,797,319, Cl. 428-312.400.
- Kitagawa, Seizo; and Narita, Mitsuru, to Fuji Electric Co., Ltd. Photosensitive body for electrophotography with protective and intermediate layers. 4,880,717, 11-14-89, Cl. 430-58.000.
- Kitagawa, Tohru, to Tokyo Electric Co., Ltd. Load cell type, weight-measuring device. 4,796,212, 1-3-89, Cl. 364-571.030.
- Kitagawa, Tohru; and Nishiyama, Yoshihisa, to Tokyo Electric Co., Ltd. Method and apparatus for adjusting resistors in load-cell scale. 4,821,822, 4-18-89, Cl. 177-211.000.
- Kitagawa, Tohru: *See—*
  - Sakai, Shunji; Kitagawa, Tohru; Suzuki, Kunikazu; and Watanabe, Naohiro, 4,875,099, Cl. 358-213.110.
- Kitagawa, Tooru: *See—*
  - Teshima, Toshio; Kitagawa, Tooru; Suzuki, Mikio; Masaoka, Toshio; Mori, Takashi; and Okimoto, Kazutaka, 4,852,633, Cl. 164-437.000.
- Kitagawa, Toshiharu: *See—*
  - Takita, Masaaki; Tsuru, Yoshikazu; Kitagawa, Toshiharu; and Nomura, Yoshikazu, 4,881,831, Cl. 400-120.000.
- Kitagawa, Tsuneo: *See—*
  - Takano, Yoshiaki; Sogame, Masakazu; and Kitagawa, Tsuneo, 4,796,055, Cl. 355-14.0SH.
- Kitagawa, Yosuke: *See—*
  - Shimizu, Goro; Hayashi, Yoshimi; and Kitagawa, Yosuke, 4,826,550, Cl. 156-166.000.
- Kitagawa, Yuichi; Yamada, Haruo; and Saito, Akira, to Asahi Kasei Kogyo Kabushiki Kaisha. Rubber for tire treads and compositions thereof. 4,835,209, 5-30-89, Cl. 524-507.000.
- Kitagawa, Yukio: *See—*
  - Ishimitsu, Keiichi; Imagawa, Hiroyuki; Yamada, Tomio; Matsuda, Michihiko; and Kitagawa, Yukio, 4,882,431, Cl. 540-603.000.
- Kitagishi, Kozomu: *See—*
  - Hoshi, Hiroaki; and Kitagishi, Kozomu, 4,886,959, Cl. 250-201.000.
- Kitagishi, Nozomu; Nakayama, Hiroki; Suda, Shigeyuki; Hattori, Jun; and Horiuchi, Akihisa, to Canon Kabushiki Kaisha. Variable focal length objective. 4,842,386, 6-27-89, Cl. 350-427.000.
- Kitagishi, Nozomu; and Yamazaki, Shoichi, to Canon Kabushiki Kaisha. Optical system for deflecting image. 4,844,602, 7-4-89, Cl. 350-500.000.
- Kitagishi, Nozomu; and Hattori, Jun, to Canon Kabushiki Kaisha. Optical system having gradient-index lens and method for correcting aberrations. 4,859,040, 8-22-89, Cl. 350-413.000.
- Kitagishi, Nozomu: *See—*
  - Matsushita, Takashi; Takahashi, Sadatoshi; Kitagishi, Nozomu; Ikemori, Keiji; and Tanaka, Tsunefumi, 4,865,434, Cl. 350-430.000.
  - Sato, Yasuhisa; Kitagishi, Nozomu; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, 4,842,395, Cl. 350-519.000.
  - Suda, Shigeyuki; Hattori, Jun; Kitagishi, Nozomu; Nakayama, Hiroki; and Horiuchi, Akihisa, 4,810,070, Cl. 350-413.000.
  - Takahashi, Sadatoshi; Ikemori, Keiji; Kitagishi, Nozomu; Tanaka, Tsunefumi; Matsushita, Takashi; and Momiyama, Kikuo, 4,830,477, Cl. 350-428.000.
- Kitaguchi, Hiroshi; Izumi, Shigeru; and Suzuki, Satoshi, to Hitachi, Ltd. Semiconductor radiation detector. 4,879,466, 11-7-89, Cl. 250-370.140.
- Kitaguchi, Hiroshi: *See—*
  - Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,824,759, Cl. 430-203.000.
  - Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,845,018, Cl. 430-203.000.
- Kitaguchi, Saburo: *See—*
  - Miyasaka, Akihiro; Ogawa, Hiroyuki; Homma, Hiroyuki; Kitaguchi, Saburo; Morimoto, Hiroshi; and Araki, Satoshi, 4,844,863, Cl. 419-8.000.
- Kitahama, Masanori: *See—*
  - Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.
- Kitahama, Satoshi: *See—*
  - Ikeda, Hayato; Kitahama, Satoshi; and Onomura, Hiroshi, 4,836,754, Cl. 417-269.000.
- Kitahara, Haruo, to Shinano Tokki Corporation. Rotational noise reduction structure in dc motor with rotor magnets. 4,839,546, 6-13-89, Cl. 310-51.000.
- Kitahara, Hidehiko: *See—*
  - Maruyama, Takashi; Watanabe, Osamu; Kitahara, Hidehiko; Fujimori, Tomoo; Soya, Akihiko; and Ootsuki, Katsuhiko, 4,816,859, Cl. 354-400.000.
- Kitahara, Hiroaki: *See—*
  - Takahashi, Nobuyuki; and Kitahara, Hiroaki, 4,825,808, Cl. 118-719.000.
- Kitahara, Hisashi: *See—*
  - Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takatori, Kazuhiro, 4,887,461, Cl. 73-118.100.
- Kitahara, Koichi: *See—*
  - Takagi, Yosuke; Ohata, Yu; Kitahara, Koichi; and Kuramoto, Tsuyoshi, 4,879,584, Cl. 357-43.000.
- Kitahara, Makoto, to Canon Kabushiki Kaisha. Automatic document feeder for automatically feeding a plurality of stacks of originals. 4,819,023, 4-4-89, Cl. 355-14.0SH.
- Kitahara, Makoto: *See—*
  - Honjo, Takeshi; Kitahara, Makoto; Suzuki, Yasumichi; and Takahata, Naomi, 4,866,536, Cl. 358-494.000.
- Kitahara, Michio: *See—*
  - Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.
- Kitahara, Naoto; Tanidokoro, Hiroaki; Hirama, Masahiro; Shinohara, Yoshinori; and Hikita, Kazuyasu, to Mitsubishi Mining and Cement Co., Ltd. Multi-layered ceramic capacitor. 4,835,656, 5-30-89, Cl. 361-321.000.
- Kitahara, Naoto: *See—*
  - Hirama, Masahiro; Tanidokoro, Hiroaki; Kitahara, Naoto; Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,868,711, Cl. 361-321.000.
- Kitahara, Tadashi, to Hamamatsu Photonics Kabushiki Kaisha. Ultrasonic laser modulator. 4,845,719, 7-4-89, Cl. 372-26.000.

- Kitahara, Takahiro: *See—*
  - Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, 4,810,766, Cl. 526-279.000.
  - Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, 4,832,712, Cl. 55-158.000.
- Kitahara, Takeshi: *See—*
  - Mitsuhashi, Masato; and Kitahara, Takeshi, 4,853,848, Cl. 364-200.000.
- Kitahara, Tetsugoro, to Kabushiki Kaisha Tiger Machine Seisakusho. Concrete block molding machine. 4,795,334, 1-3-89, Cl. 425-88.000.
- Kitahara, Toshio: *See—*
  - Ootani, Masaru; Kojima, Masami; and Kitahara, Toshio, 4,820,825, Cl. 548-496.000.
  - Otani, Masaru; Kojima, Masami; and Kitahara, Toshio, 4,820,869, Cl. 562-554.000.
- Kitahata, Kohjiro: *See—*
  - Fukuzuka, Toshio; Shimogori, Kazutoshi; Torii, Yasushi; Kitahata, Kohjiro; and Hosoda, Takuo, 4,851,054, Cl. 148-12.00F.
- Kitahata, Shinichi; and Kishimoto, Mikio, to Hitachi Maxell, Ltd. Magnetic recording medium and method for producing the same. 4,851,276, 7-25-89, Cl. 428-141.000.
- Kitahira, Takashi: *See—*
  - Furukawa, Mitsuhiko; Kitahira, Takashi; Tanaka, Sakae; and Misumi, Kiyohito, 4,874,725, Cl. 501-89.000.
  - Wada, Toshiaki; Katsuyama, Yoshiaki; Furukawa, Mitsuhiko; Kitahira, Takashi, Miyahara, Michito; Misumi, Kiyohito; and Shiroyama, Masaharu, 4,859,638, Cl. 501-58.000.
- Kitai, Katuhiro: *See—*
  - Nojiri, Hitoshi; Kitai, Katuhiro; Ohnari, Yoshihide; Kidoh, Masaro; and Yamamoto, Tsuneo, 4,808,468, Cl. 428-220.000.
- Kitajima, Akira: *See—*
  - Akiba, Kouji; Kitajima, Akira; and Arai, Yoshio, 4,800,285, Cl. 250-554.000.
  - Aria, Yoshio; Akiba, Kouji; and Kitajima, Akira, 4,819,733, Cl. 169-61.000.
  - Nagashima, Tetsuya; Matsushita, Eiji; Yuchi, Sadataka; and Kitajima, Akira, 4,884,222, Cl. 364-550.000.
  - Nakanishi, Tsutomu; Kitajima, Akira; Fuwa, Yoshiaki; and Adachi, Yasaburo, 4,796,018, Cl. 340-691.000.
- Kitajima, Hajime: *See—*
  - Ikemoto, Isao; Kanemitsu, Shinji; Mizutani, Morikazu; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,809,033, Cl. 355-3.0SH.
  - Mizutani, Morikazu; Onoda, Shigeyoshi; Ikemoto, Isao; Kanemitsu, Shinji; and Kitajima, Hajime, 4,806,977, Cl. 355-8.000.
  - Sootome, Sumitoshi; Mizutani, Morikazu; Ikemoto, Isao; Kanemitsu, Shinji; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,875,075, Cl. 355-50.000.
- Kitajima, Masao: *See—*
  - Akiyoshi, Yutaka; Kondo, Asaji; and Kitajima, Masao, 4,870,005, Cl. 435-7.000.
  - Iwata, Yuzo; Makiuchi, Hajime; and Kitajima, Masao, 4,884,213, Cl. 364-497.000.
  - Yazawa, Kenichiro; Seshimoto, Osamu; Kitajima, Masao; and Kondo, Asaji, 4,877,579, Cl. 422-56.000.
- Kitajima, Nobuo: *See—*
  - Takahashi, Tohru; Kitajima, Nobuo; and Kawamura, Naoto, 4,853,752, Cl. 355-77.000.
- Kitajima, Tadayuki; Asakawa, Toshiyuki; Naito, Masataka; Matsuo, Kazuhiro; and Murayama, Toshiaki, to Canon Kabushiki Kaisha. Sheet sorting device. 4,854,571, 8-8-89, Cl. 271-293.000.
- Kitajima, Tatsuya: *See—*
  - Mashimo, Satoshi; Kitajima, Tatsuya; Tanaka, Masayuki; and Kuramoto, Shinji, 4,852,625, Cl. 152-511.000.
- Kitajima, Yamato; and Hayashi, Yuji, to Minolta Camera Kabushiki Kaisha. Density measuring device for originals in an enlarging/reducing projector. 4,884,100, 11-28-89, Cl. 355-68.000.
- Kitajima, Yamato: *See—*
  - Takeda, Katsuhiko; Yoshida, Kazuyuki; and Kitajima, Yamato, 4,816,875, Cl. 355-67.000.
- Kitakado, Ryuji: *See—*
  - Hoki, Tetsuo; Sano, Tetsuo; Kitakado, Ryuji; Sezaki, Yoshinori; Hotta, Tomiji; and Yano, Hironobu, 4,797,939, Cl. 382-8.000.
  - Onishi, Hiroyuki; Sano, Tetsuo; Hoki, Tetsuo; Kodama, Eiji; Tsujinaka, Hisayuki; and Kitakado, Ryuji, 4,803,734, Cl. 382-8.000.
- Kitakami, Osamu; Fujiwara, Hideo; and Maro, Tsuyoshi, to Hitachi Maxell, Ltd. Magnetic recording medium and process for preparing the same. 4,828,919, 5-9-89, Cl. 428-336.000.
- Kitakami, Osamu: *See—*
  - Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
- Kitami, Kunko: *See—*
  - Kumagai, Teruo; Horiba, Tatsuo; Kamo, Tomoichi; Takeuchi, Seiji; Iwamoto, Kazuo; Kitami, Kunko; and Tamura, Kohki, 4,810,597, Cl. 429-22.000.
- Kitami, Tetsu; Igarashi, Shigeru; and Ono, Katuya, to Yokohama Rubber Co., Ltd., The. Process for producing hoses. 4,802,938, 2-7-89, Cl. 156-149.000.
- Kitami, Tetsu; and Mito, Jun, to Yokohama Rubber Co., Ltd., The. Air conditioning hose. 4,862,923, 9-5-89, Cl. 138-125.000.
- Kitami, Tetsu; and Mito, Jun, to Yokohama Rubber Co., Ltd., The. Hose for refrigerating systems. 4,880,036, 11-14-89, Cl. 138-137.000.
- Kitami, Tetsu; and Mito, Jun, to Yokohama Rubber Co., Ltd., The. Hose for transport of refrigerant fluids and fuel oils. 4,881,576, 11-21-89, Cl. 138-125.000.
- Kitami, Tetsu: *See—*
  - Ozawa, Osamu; and Kitami, Tetsu, 4,826,925, Cl. 525-331.800.
- Kitami, Yasuo; Tezuka, Hidenori; and Watanabe, Syuji, to Honda Giken Kogyo Kabushiki Kaisha. Variable-speed driving device. 4,846,768, 7-11-89, Cl. 474-86.000.
- Kitami, Yasuo: *See—*
  - Miyano, Hideyo; and Kitami, Yasuo, 4,854,271, Cl. 123-52.0MV
- Kitamori, Nobuyuki: *See—*
  - Izuhara, Seiji; Kitamori, Nobuyuki; and Maeno, Masaya, 4,868,180, Cl. 514-251.000.
- Kitamori, Takehiko; Fujimori, Haruo; and Suzuki, Kazumichi, to Hitachi, Ltd. Method of and apparatus for simultaneous determination. 4,808,828, 2-28-89, Cl. 250-458.100.
- Kitamoto, Akira: *See—*
  - Nishiyama, Masanobu; Nishimura, Haruo; Nakano, Katsuji; Ozaki: Tatsuo; and Kitamoto, Akira, 4,856,854, Cl. 312-38.000.
- Kitamoto, Manabu, to Kabushiki Kaisha Toshiba. Multi-type air conditioner system with oil level control for parallel operated compressor therein. 4,870,831, 10-3-89, Cl. 62-84.000.
- Kitamoto, Manabu, to Kabushiki Kaisha Toshiba. Multi-type air conditioner system with starting control for parallel operated compressors therein. 4,876,859, 10-31-89, Cl. 62-117.000.
- Kitamoto, Tatsuji; Yokoyama, Katsuya; and Sekiguchi, Takuji, to Fuji Photo Film Co., Ltd.; and Nippon Hoso Kyokai. Method of and system for driving magnetic tape. 4,875,610, 10-24-89, Cl. 226-10.000.
- Kitamoto, Tatsuji: *See—*
  - Yamazaki, Nobuo; and Kitamoto, Tatsuji, 4,876,022, Cl. 252-62.560.
- Kitamura, Arata: *See—*
  - Nakanishi, Masaru; Kitamura, Arata; Sakurai, Masashi; and Asanuma, Masaaki, 4,821,135, Cl. 360-132.000.
- Kitamura, Atsushi; and Okushima, Shigeru, to Fuji Kagakushi Kogyo Co., Ltd.; and Kitamura, Atsushi. Method for manufacture of a mutli-color ink ribbon including ink migration barrier. 4,867,588, 9-19-89, Cl. 400-240.200.
- Kitamura, Atsushi; and Yoshimoto, Mayumi, to Kitamura, Atsushi. Methods for the manufacture of cylindrical photosensitive resin structures and cylindrical printing plates. 4,868,090, 9-19-89, Cl. 430-271.000.
- Kitamura, Chigusa: *See—*
  - Soyama, Yoshikazu; Yamazaki, Kazunori; and Kitamura, Chigusa, 4,822,423, Cl. 106-5.000.
  - Yamazaki, Kazunori; Soyama, Yoshikazu; Tanaka, Muneo; and Kitamura, Chigusa, 4,820,509, Cl. 424-61.000.
- Kitamura, Fumio, to Kitamura Kiden Co., Ltd. Method and apparatus for manufacturing wound core. 4,842,208, 6-27-89, Cl. 242-56.200.
- Kitamura. Fumio; and Tajima, Toshitsugu, to Kitamura Kiden., Ltd. Negative feedback power supply apparatus. 4,866,366, 9-12-89, Cl. 323-247.000.
- Kitamura, Fumio: *See—*
  - Gomi, Takayuki; and Kitamura, Fumio, 4,844,312, Cl. 226-21.000.
  - Sasaki, Hiromitsu; Kitamura, Fumio; and Koike, Akiharu, 4,848,684, Cl. 242-1.000.
- Kitamura, Hajime; and Iida, Tamaki, to Shin-Etsu Chemical Co., Ltd. Coating blade for microtome and method for the preparation thereof. 4,839,195, 6-13-89, Cl. 427-38.000.
- Kitamura, Hajime: *See—*
  - Amano, Tadashi; Watanabe, Junichi; and Kitamura, Hajime. 4,845,174, Cl. 526-62.000.
- Kitamura, Haruo: *See—*
  - Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko, Kato, Yuichi; Hirasuka, Ryuichi, Mizukoshi, Daijiro, Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
- Kitamura, Hideaki: *See—*
  - Yamaguchi, Katsuya; and Kitamura, Hideaki, 4,809,082, Cl. 358-283.000.
- Kitamura, Hiroki: *See—*
  - Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenchi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.
- Kitamura, Hiroshi; and Yamagata, Seiichi, to Toray Industries, Inc. Artificial fur. 4,798,748, 1-17-89, Cl. 428-15.000.
- Kitamura, Hiroyuki; and Ota, Yoshihiko, to Victor Company of Japan, Ltd. Color video signal transmission system. 4,805,034, 2-14-89, Cl. 358-310.000.
- Kitamura, Ikuo: *See—*
  - Okamura, Kazuo; Kitamura, Ikuo; Aomi, Hideki; Koyama, Satoshi; Tokunaga, Katsushi; Shibuya, Yoshiyuki; and Daimon, Shiego. 4,842,759, Cl. 252-62.510.
- Kitamura, Jun: *See—*
  - Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.
- Kitamura, Katsumi: *See—*
  - Izumida, Satoshi; Kitamura, Katsumi; Kurita, Masaru; and Tanaka Yasuo, 4,834,458, Cl. 297-459.000.
  - Izumida, Satoshi; and Kitamura, Katsumi, 4,883,320, Cl. 297-452.000.
- Kitamura, Kazumi: *See—*
  - Takayama, Naoto; Tsunekawa, Yuzo; and Kitamura, Kazumi, 4,802,554, Cl. 184-14.000.
- Kitamura, Kenji: *See—*
  - Nakahara, Shuichi; Koide, Toru; Kaimori, Michinobu; Kitamura, Kenji; and Matsumoto, Satoshi, 4,843,670, Cl. 8-151.000.
- Kitamura Kiden Co., Ltd.: *See—*
  - Gomi, Takayuki; and Kitamura, Fumio, 4,844,312, Cl. 226-21.000.
  - Kitamura, Fumio, 4,842,208, Cl. 242-56.200.
  - Sasaki, Hiromitsu; Kitamura, Fumio; and Koike, Akiharu, 4,848,684, Cl. 242-1.000.
- Kitamura Kiden., Ltd: *See—*
  - Kitamura, Fumio; and Tajima, Toshitsugu, 4,866,366, Cl. 323-247.000.
- Kitamura, Koichiro, to Kitamura Machinery Co., Ltd. Apparatus for separating oily cutting liquid 4,797,205, 1-10-89, Cl. 210-86.000.
- Kitamura, Koichiro, to Kitamura Machinery Co., Ltd. Automatic tool changer. 4,799,308, 1-24-89, Cl. 29-568.000.
- Kitamura, Koichiro, to Kitamura Machinery Co., Ltd. Machine tool with index means. 4,809,422, 3-7-89, Cl. 29-568.000.
- Kitamura Machinery Co., Ltd.: *See—*
  - Kitamura, Koichiro, 4,797,205, Cl. 210-86.000.
  - Kitamura, Koichiro, 4,799,308, Cl. 29-568.000.
  - Kitamura, Koichiro, 4,809,422, Cl. 29-568.000.
- Kitamura, Mamoru: *See—*
  - Fujii, Noriaki; Kitamura, Mamoru; and Yamada, Akira, 4,798,946, Cl. 235-492.000.
- Kitamura, Masami: *See—*
  - Nakamura, Katsuji; Kitamura, Masami; and Iwanaga, Kouichi, 4,829,226, Cl. 320-35.000.
- Kitamura, Masato: *See—*
  - Noyori, Ryoji; Kitamura, Masato; Takaya, Hidemasa; Kumobayashi, Hidenori; and Akutagawa, Susumu, 4,851,537, Cl. 546-146.000.
- Kitamura, Masuo; Takagi, Mitsuhiro; and Nakamura, Masaaki, to Matsushita Electric Works, Ltd. Bracket for mounting wiring devices. 4,857,669, 8-15-89, Cl. 174-53.000.
- Kitamura, Mitsuo: *See—*
  - Kodaka, Kazuyuki; Kitamura, Mitsuo; and Motegi, Mitsuhiro, 4,871,121, Cl. 242-54.00R.
- Kitamura, Noboru; and Komatsubara, Norio, to NSK-Warner Kabishiki Kaisha. Double-notched sprag outer retainer. 4,854,435, 8-8-89, Cl. 192-41.00A.
- Kitamura, Norihiko; and Ohnishi, Akimoto, to Nippon Zoki Pharmaceutical Co., Ltd. Novel pyrimidopyrimidine derivative, process for producing it and pharmaceutical composition. 4,886,807, 12-12-89, Cl. 514-258.000.
- Kitamura, Norihiko: *See—*
  - Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, 4,808,587, Cl. 514-258.000.
  - Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, 4,808,618, Cl. 514-258.000.
- Kitamura, Norio: *See—*
  - Eguchi, Kiyohisa; Kitamura, Norio; Okamura, Terumasa; and Ohta, Jouji, 4,834,891, Cl. 252-28.000.
- Kitamura, Satoshi; Tobita, Takashi; Kanazawa, Motoki; and Shiozaki, Masahiro, to Nisso Petrochemical Industries Co., Ltd. Process for producing macrocyclic ester compounds. 4,803,288, 2-7-89, Cl. 549-267.000.
- Kitamura, Shegehiro; Asano, Masao; Shimizu, Yoshiaki; and Abe, Takao, to Konishiroku Photo Industry Co., Ltd. Thermal transfer recording medium. 4,818,591, 4-4-89, Cl. 428-216.000.
- Kitamura, Shigeharu; and Sugita, Kazuhiko, to Mitsubishi Denki Kabushiki Kaisha. Passenger conveyor guide arrangement. 4,805,763, 2-21-89, Cl. 198-332.000.
- Kitamura, Shigeharu, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for driving a passenger conveyor. 4,809,841, 3-7-89, Cl. 198-330.000.
- Kitamura, Shiro; Koizumi, Junji; and Yamada, Kiyoshi, to Godai Embody Co., Ltd.; and Fuji Photo Film Co., Ltd. Optical measuring head. 4,816,670, 3-28-89, Cl. 250-227.000.
- Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; Kume, Takanori; Nega[illegible] Hideo; and Ikeda, Tsuneta, to Sumitomo Chemical Company, [illegible]ed. Insect pest-repelling film or sheet. 4,826,729, 5-2-89, Cl. 4[illegible]00.
- Kitamura, [illegible]ji; Nakae, Kiyohiko; Kotani, Kozo; and Nakatsuji, Yoshihiro, to Sumitomo Chemical Company, Limited. Selective light transmittable film having excellent anti-fogging and infrared ray reflective properties. 4,828,345, 5-9-89, Cl. 350-1.600.
- Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Kume, Takanori, to Sumitomo Chemical Company, Limited. Breathable film and process for production of the same. 4,829,096, 5-9-89, Cl. 521-79.000.
- Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, to Sumitomo Chemical Company, Limited; and Sumitomo Metal Industries, Ltd. Vibration-damping material. 4,883,717, 11-28-89, Cl. 428-458.000.
- Kitamura, Tadanori; Shono, Hiroaki; and Kodama, Atsuki, to Nitto Boseki Co., Ltd.; and Kawasaki Steel Corporation. Method for producing chopped strands of carbon fibers. 4,855,122, 8-8-89, Cl. 423-447.100.
- Kitamura, Takashi: *See—*
  - Iimuro, Shigeru; Kitamura, Takashi; and Morimoto, Yoshio, 4,798,654, Cl. 203-94.000.
  - Kawamura, Naoto; Kitamura, Takashi; Ohta, Shinichi; and Nishigaki, Yuji, 4,864,326, Cl. 346-108.000.
- Kitamura, Takayuki: *See—*
  - Kohno, Masahiro; Obata, Akira; Kitamura, Takayuki; and Okazaki, Kakuma, 4,856,765, Cl. 267-166.000.
- Kitamura, Terukiyo: *See—*
  - Murakami, Hideto; and Kitamura, Terukiyo, 4,840,255, Cl. 188-73.350.
- Kitamura, Toshiaki; Onishi, Katsumi; and Oinaga, Yuji, to Fujitsu Limited. Microprogram control system. 4,812,970, 3-14-89, Cl. 364-200.000.
- Kitamura, Toshiaki; and Onishi, Katsumi, to Fujitsu Limited. Microprogram control system. 4,870,567, 9-26-89, Cl. 364-200.000.
- Kitamura, Wahei: *See—*
  - Okikawa, Susumu; Mikino, Hiroshi; Suzuki, Hiromichi; Kitamura, Wahei; and Sakamoto, Daiji, 4,845,543, Cl. 357-67.000.
- Kitamura, Yasuhiro, to Kyocera Corporation. Artificial hip joint. 4,840,630, 6-20-89, Cl. 623-22.000.
- Kitamura, Yoshiaki; and Goto, Kinji, to Kitamuragokin Ind. Co., Ltd. Mixing bibcock. 4,883,090, 11-28-89, Cl. 137-625.410.
- Kitamura, Yoshinori: *See—*
  - Fujioka, Atsushi; Morimura, Atsushi; Kitamura, Yoshinori; and Matsuoka, Hiroki, 4,843,476, Cl. 358-228.000.
- Kitamura, Yuji; and Nakatsukasa, Ichiro, to Sanyo Electric Co., Ltd. Gate array arrangement. 4,811,073, 3-7-89, Cl. 357-45.000.
- Kitamura, Yuji: *See—*
  - Nozaka, Kenkichi; Kawahara, Yosihiro; Kitamura, Yuji; Morita, Shigeru; and Takahashi, Sadayuki, 4,836,738, Cl. 414-607.000.
- Kitamura, Yukinori: *See—*
  - Ogura, Setsuo; Kamegaki, Kazuyuki; Yamazaki, Kouichi; Miyazaki, Hideo; Kitamura, Yukinori; and Mayuzumi, Shirou, 4,857,987, Cl. 357-45.000.
- Kitamura, Yutaka; and Aso, Hiroaki, to Mitsubishi Denki Kabushiki Kaisha. Vehicle mounted A.C. generator. 4,818,906, 4-4-89, Cl. 310-58.000.
- Kitamura, Yutaka; and Kaneyuki, Kazutoshi, to Mitsubishi Denki Kabushiki Kaisha. Anti-vibration mounting for vehicle alternator. 4,849,665, 7-18-89, Cl. 310-68.00D.
- Kitamura, Yutaka; and Aso, Hiroaki, to Mitsubishi Denki Kabushiki Kaisha. Block-mounted water cooled ac generator. 4,870,307, 9-26-89, Cl. 310-54.000.
- Kitamuragokin Ind. Co., Ltd.: *See—*
  - Kitamura, Yoshiaki; and Goto, Kinji, 4,883,090, Cl. 137-625.410.
- Kitani, Hiroaki: *See—*
  - Yoshitake, Junichi; Kitani, Hiroaki; Kashiwa, Norio; Muranaka, Takeshi; Tominari, Kenichi; and Nagamatsu, Shigeki, 4,798,866, Cl. 525-191.000.
- Kitani, Shigehisa; Sasai, Atsuyoshi; and Shimizu, Hirokimi, to Canon Kabushiki Kaisha. Light communication equipment. 4,856,090, 8-8-89, Cl. 455-607.000.
- Kitaninon Electric Wire Co., Ltd.: *See—*
  - Onodera, Fumio; Uchimi, Hiroshi; and Koseki, Toshio, 4,883,671, Cl. 425-122.000.
- Kitanishi, Ryoji, to Tandy Electronics Japan, Ltd. Index device for automatic information retrieval. 4,800,584, 1-24-89, Cl. 379-355.000.
- Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, to Minolta Camera Kabushiki Kaisha. Electro-optical light shutter device. 4,854,678, 8-8-89, Cl. 350-356.000.
- Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, to Minolta Camera Kabushiki Kaisha. Electro-optical light shutter device and printer apparatus using same. 4,887,104, 12-12-89, Cl. 350-355.000.
- Kitano, Hirohisa: *See—*
  - Matsubara, Ken; Iino, Shuji; and Kitano, Hirohisa, 4,804,833, Cl. 250-211.00J.
- Kitano, Kisei; and Goto, Yasuyuki, to Chisso Corporation. 2-(trans-4-alkylcyclohexyl)-5-alkoxypyrimidines. 4,824,596, 4-25-89, Cl. 252-299.610.
- Kitano, Kisei; Ushioda, Makoto; Uchida, Manabu; and Suzuki, Toshiharu, to Chisso Corporation. Liquid crystal composition. 4,877,548, 10-31-89, Cl. 252-299.630.
- Kitano, Kisei; Uchida, Manabu; Ushioda, Makoto; and Suzuki, Toshiharu, to Chisso Corporation. Liquid crystal compound. 4,880,562, 11-14-89, Cl. 252-299.630.
- Kitano, Kisei: *See—*
  - Yoshida, Naoyuki; Kitano, Kisei; and Ogawa, Tetsuya, 4,874,546, Cl. 252-299.610.
- Kitano, Kissho; Duvdevani, Ilan; and Schulz, Donald N., to Exxon Research and Engineering Company. Method for controlling viscosity of organic liquid and compositions. 4,880,436, 11-14-89, Cl. 44-7.300.
- Kitano, Kouji: *See—*
  - Sonobe, Hisao; Makino, Junichi; Oho, Shigeru; Matsumoto, Masahiro; Kitano, Kouji; and Araki, Hiroshi, 4,796,993, Cl. 356-350.000.
- Kitano, Kyozo; and Sekiguchi, Shizuo, to Lion Corporation. Process for the preparation of saturated/unsaturated mixed fatty acid ester sulfonates. 4,816,188, 3-28-89, Cl. 260-400.000.
- Kitano, Mamoru, to Mitsubishi Denki Kabushiki Kaisha. Displaying device for elevator. 4,832,157, 5-23-89, Cl. 187-1.00R.
- Kitano, Masaharu; and Eguchi, Hiromi, to Kyushu University. Device for measuring water flow rate in plant stem. 4,817,427, 4-4-89, Cl. 73-204.160.
- Kitano, Masahiko: *See—*
  - Kise, Masahiro; Kitano, Masahiko; Ozaki, Masakuni; Kazuno, Kenji; Shirahase, Ichiro; Tomii, Yoshifumi; and Segawa, Jun, 4,843,070, Cl. 514-210.000.
- Kitano, Masao; Ueno, Tsunemasa; Kojima, Kouichi; and Morimoto, Yutaka, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Method for production of dithiodialdehyde. 4,853,486, 8-1-89, Cl. 568-22.000.

Kitano, Masaru, to Nissan Motor Co., Ltd. Sealing structure around intercooler. 4,831,981, 5-23-89, Cl. 123-198.00E.
Kitano, Mikio: *See—*
  Naruse, Kazuo; Kitano, Mikio; and Tobita, Hideaki, 4,802,616, Cl. 228-4.100.
Kitano, Nobuhiro: *See—*
  Iwao, Tetsuya; Toyoda, Yoshiaki; Wakimura, Kazuo; Kitano, Nobuhiro; and Tanaka, Masao, 4,810,482, Cl. 423-347.000.
Kitano, Seiichi; Fukatani, Yasunobu; and Asada, Masaaki, to Kabushiki Kaisha Daikin Seisakusho. Clutch brake. 4,807,730, 2-28-89, Cl. 192-13.00R.
Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, to Kabushiki Kaisha Daikin Seisakusho. Load transmission lever for pull-type clutch. 4,848,550, 7-18-89, Cl. 192-99.00A.
Kitano, Seiichi; and Yamaguchi, Toshiki, to Kabushiki Kaisha Daikin Seisakusho. Clutch disc. 4,852,711, 8-1-89, Cl. 192-107.00C.
Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, to Kabushiki Kaisha Daikin Seisakusho. Clutch. 4,856,634, 8-15-89, Cl. 192-70.300
Kitano, Takafumi: *See—*
  Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.
  Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,845,228, Cl. 546-339.000.
Kitano, Toshihiko, to NEC Corporation. Guided-wave acoustooptic spectrum analyzer. 4,801,872, 1-31-89, Cl. 324-77.00K.
Kitao, Ikuo: *See—*
  Fukuma, Yasufumi; Kitao, Ikuo; and Kato, Yasuo, 4,859,051, Cl. 351-211.000.
  Kato, Yasuo; Horiguchi, Kiwami; Wada, Shinji; and Kitao, Ikuo, 4,848,895, Cl. 351-211.000.
Kitao, Kazuhiko: *See—*
  Tamaki, Satoshi; Kitagawa, Masaru; Tsuda, Hirokazu; Nishizawa, Susumu; Kakeya, Nobuhara; and Kitao, Kazuhiko, 4,847,286, Cl. 514-456.000.
Kitao, Nobuo; and Shimomura, Yoshimasa, to Tsubakimoto Chain Co. Carrier for cables and the like. 4,833,876, 5-30-89, Cl. 59-78.100.
Kitao, Satoshi: *See—*
  Nakano, Eiichi; Masuda, Tsutomu; Koyama, Yasuji; and Kitao, Satoshi, 4,865,979, Cl. 435-172.300.
Kitao, Shigetaka: *See—*
  Matsuzawa, Toshio; Murakado, Toru; Aimoto, Hiroshi; Kitao, Shigetaka; and Yoshida, Nobuo, 4,844,321, Cl. 228-107.000.
Kitao, Teijiro; Yamaguchi, Tetsuhiko; Murofushi, Katsumi; Futagami, Masato; Nagato, Nobuyuki; and Imamura, Kunio, to Showa Denko Kabushiki Kaisha. Fluoran derivatives and recording material containing the same. 4,833,256, 5-23-89, Cl. 549-227.000.
Kitao, Teijiro: *See—*
  Araki, Shingo; Tsuchiya, Kikuo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,843,058, Cl. 503-209.000.
  Tsuchiya, Kikuo; Araki, Shingo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,885,270, Cl. 503-209.000.
Kitao, Yuichi: *See—*
  Nakata, Masaru; and Kitao, Yuichi, 4,798,260, Cl. 180-253.000.
Kitaoh, Katsutoshi, to Sumitomo Rubber Industries, Ltd. Golf ball. 4,802,674, 2-7-89, Cl. 273-235.00A.
Kitaoh, Katsutoshi; and Hamada, Akihiko, to Sumitomo Rubber Industries, Ltd. Method of coating a golf ball. 4,871,589, 10-3-89, Cl. 427-322.000.
Kitaoka, Hirokazu: *See—*
  Hashimoto, Masanori; Yamamoto, Takeshi; Kawachi, Toru; Kuwashima, Junji; and Kitaoka, Hirokazu, 4,885,168, Cl. 424-95.000.
Kitaoka, Seiya; and Hanya, Masao, to Seikosha Co., Ltd. Alarm stop device for a timepiece. 4,799,204, 1-17-89, Cl. 368-263.000.
Kitaoka, Shuji, to Kabushiki Kaisha Toshiba. Secondary electron measuring circuit. 4,829,240, 5-9-89, Cl. 324-158.00R.
Kitaoka, Susumu; Andoh, Haruo; and Hirata, Junichi, to Hitachi Maxell, Ltd. Cobalt-containing iron oxide magnetic particles and method for the preparation of the same. 4,857,417, 8-15-89, Cl. 428-694.000.
Kitaoka, Tateki: *See—*
  Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, 4,798,585, Cl. 604-93.000.
Kitasagami, Hiroo: *See—*
  Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,827,327, Cl. 357-71.000.
  Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,875,087, Cl. 357-71.000.
Kitasei, Yasuji, to Honda Giken Kogyo Kabushiki Kaisha. Storage device on motorcycle. 4,802,682, 2-7-89, Cl. 180-219.000.
Kitasin, Tatuhisa: *See—*
  Mose, Tadao; Andoh, Yasuhiro; and Kitasin, Tatuhisa, 4,876,637, Cl. 363-37.000.
Kitatani, Katsugi; and Hoshi, Satoshi, to Fuji Photo Film Co., Ltd. Electroconductive composition and electrophotographic photoreceptor using the same comprising bisazo compounds. 4,871,637, 10-3-89, Cl. 430-77.000.
Kitatani, Katsugi; and Hoshi, Satoshi, to Fuji Photo Film Co., Ltd. Tetrakisazo photoconductive composition and electrophotographic photoreceptor using the same. 4,882,249, 11-21-89, Cl. 430-56.000.
Kitate Sangyo Co., Inc.: *See—*
  Yamaguchi, Isaburo, 4,836,773, Cl. 431-325.000.

Kitaue, Masaaki, to Nippon Air Brake Co., Ltd. Optical master controller having plural tracks each with plural emitter detector pairs. 4,795,902, 1-3-89, Cl. 250-231.0SE.
Kitaue, Masaaki, to Nippon Air Brake Co., Ltd. Control command system for railway vehicles. 4,865,278, 9-12-89, Cl. 246-182.00A.
Kitaue, Masaaki: *See—*
  Hata, Yasuhisa; and Kitaue, Masaaki, 4,812,148, Cl. 55-162.000.
Kitaura, Kazuhiko; Ugawa, Satoru; and Ogawa, Kouzi, to Nissan Motor Co., Ltd. Weatherstrip for vehicle closures. 4,819,381, 4-11-89, Cl. 49-493.000.
Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Data transmission system for a camera. 4,816,855, 3-28-89, Cl. 354-415.000.
Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Data transmission system for a camera. 4,884,094, 11-28-89, Cl. 354-412.000.
Kitaura, Mashio: *See—*
  Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,853, Cl. 354-412.000.
  Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,878,751, Cl. 354-410.000.
Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, to Fujisawa Pharmaceutical Company, Ltd. Peptide, process for preparation thereof and use thereof. 4,801,580, 1-31-89, Cl. 514-18.000.
Kitaura, Yoshihiko; Ito, Fumitaka; Stevens, Rodney W.; and Asai, Nobuko, to Pfizer Inc. Antiallergy and antiinflammatory agents. 4,835,166, 5-30-89, Cl. 514-339.000.
Kitayama, Hidehiro. Eye mask. 4,872,217, 10-10-89, Cl. 2-15.000.
Kitayama, Hiroshi: *See—*
  Sakai, Takashi; Kitayama, Hiroshi; Yamamoto, Masamitu; and Mino, Takashi, 4,826,433, Cl. 433-136.000.
Kitayama, Hiroyuki: *See—*
  Mouri, Akihiro; Kitayama, Hiroyuki; Kaneko, Shuzo; Takahashi, Tohru; Enari, Masahiko; Kuno, Mitsutoshi; and Toyono, Tsutomu, 4,818,078, Cl. 350-350.00S.
  Tsuboyama, Akira; Kitayama, Hiroyuki; and Taniguchi, Osamu, 4,846,560, Cl. 350-350.00S.
  Yoshinaga, Kazuo; Katagiri, Kazuharu; Tsuboyama, Akira; Kitayama, Hiroyuki; Shinjo, Kenji; and Hioki, Chieko, 4,882,085, Cl. 252-299.610.
Kitayama, Isao: *See—*
  Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
Kitayama, Mikito: *See—*
  Oda, Yukio; and Kitayama, Mikito, 4,829,103, Cl. 523-220.000.
Kitayama, Ryuichi; Komiya, Katsuo; and Kato, Yoshio, to Tosoh Corporation. Packing material for liquid chromatography. 4,830,921, 5-16-89, Cl. 428-406.000.
Kitayama, Shiro: *See—*
  Shida, Yoshiaki; Kitayama, Shiro; and Nishikawa, Tomio, 4,859,415, Cl. 420-417.000.
Kitayama, Yoshinobu, to Sumitomo Electric Industries, Ltd. Composite overhead stranded conductor. 4,840,453, 6-20-89, Cl. 350-96.230.
Kitayama, Yoshinobu, to Sumitomo Electric Industries, Ltd. Composite fiber-optic overhead ground wire. 4,865,415, 9-12-89, Cl. 350-96.230
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  Hashihara, Hideharu; and Kitayama, Yu, 4,811,411, Cl. 382-41.000
Kitayama, Zenzo: *See—*
  Miyagawa, Yukio; Kitayama, Zenzo; Ishiguro, Ikuo; and Suzuki, Yoshimasa, 4,863,526, Cl. 148-3.000.
Kitazaki, Toshiro: *See—*
  Morita, Masasuke; Shimada, Toshio; and Kitazaki, Toshiro, 4,847,799, Cl. 364-709.120.
Kitazaki, Yasuaki: *See—*
  Maeda, Kunio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Yamada, Takafumi; Nakata, Terumi; and Sato, Hiroo, 4,814,227, Cl. 428-353.000.
  Ono, Kiyoshi; Sakurai, Yasuo; Kishimoto, Yoshio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Matsuda, Tetsuaki; and Kobayashi, Junichi, 4,822,670, Cl. 428-317.300.
Kitazaki, Yasushi: *See—*
  Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.
Kitazato Institute, The: *See—*
  Omura, Satoshi; Nakagawa, Akira; and Iwai, Yuzuru, 4,886,884, Cl. 546-36.000.
Kitazato, Naohisa: *See—*
  Kojima, Yuichi; and Kitazato, Naohisa, 4,853,780, Cl. 358-136.000
Kitazawa, Eiichi: *See—*
  Yoshioka, Takao; Kitazawa, Eiichi; Yamazaki, Mitsuo; and Iizuka, Yoshio, 4,871,762, Cl. 514-439.000.
Kitazawa, Hisasi, to Tamagawa Seiki Kabushiki Kaisha. Analog triangular wave output encoder. 4,795,901, 1-3-89, Cl. 250-231.0SE.

Kitazawa, Kozo: *See—*
  Yamamoto, Yuzo; Nagamori, Hiroyuki; and Kitazawa, Kozo, 4,797,183, Cl. 204-16.000.
Kitazawa, Sadaya: *See—*
  Kinomura, Keisuke; Kitazawa, Sadaya; Takata, Yasushi; and Sakakibara, Toshiyuki, 4,874,852, Cl. 536-18.600.
Kitazawa, Seiichi: *See—*
  Sato, Yoneji; Hoshino, Masato; Kitazawa, Seiichi; and Yasuda, Tadashi, 4,888,269, Cl. 430-280.000.
Kitazawa, Shooji: *See—*
  Ono, Takashi; and Kitazawa, Shooji, 4,884,239, Cl. 365-185.000.
Kitazawa, Susumu: *See—*
  Numakura, Takashi; Numakura, Iwao; and Kitazawa, Susumu, 4,811,108, Cl. 358-298.000.
  Numakura, Takashi; Numakura, Iwao; and Kitazawa, Susumu, 4,833,546, Cl. 358-283.000.
Kitazawa, Takayuki: *See—*
  Tanaka, Shinsaku; Arata, Tadao; and Kitazawa, Takayuki, 4,802,037, Cl. 360-96.500.
Kitazawa, Yasuho; and Ishiguro, Kazuyoshi, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Buckle apparatus. 4,885,825, 12-12-89, Cl. 24-639.000.
Kitazume, Kiyoshi; Nakamura, Yasuharu; Ochiai, Hiromichi; and Nozaki, Hisashi, to Kabushikikaisha Kibun. Method of making soybean milk. 4,885,185, 12-5-89, Cl. 426-598.000.
Kitazume, Masahiro: *See—*
  Homma, Kazuya; Nogi, Hiroshi; Yamada, Koichi; Kitazume, Masahiro; Uzawa, Masamitsu; and Aoki, Makoto, 4,878,754, Cl. 356-376.000.
Kitchen, Garret. Fuel spill prevention valve. 4,886,087, 12-12-89, Cl. 137-68.100.
Kitchen, George H., III; Kitchen, Nancy E.; McCleery, Neil B.; and Builes, Eduardo, to International Lubrication and Fuel Consultants, Inc. Fluid detector. 4,823,116, 4-18-89, Cl. 340-603.000.
Kitchen, John A., to John A. Kitchen Ltd. Pulse combustion apparatus. 4,832,598, 5-23-89, Cl. 432-103.000.
Kitchen, John C., to American Foreign Industries, Inc. Marine horn installation. 4,825,800, 5-2-89, Cl. 116-4.000.
Kitchen, John P., to Hoover Group, Inc. Box spring assembly with a grid structure formed of both basic and spring wire. 4,805,883, 2-21-89, Cl. 267-103.000.
Kitchen, Michael R.: *See—*
  Wilson, Harold R.; Lim, Hoei B.; Gingrich, Bryan R.; and Kitchen, Michael R., 4,862,659, Cl. 52-221.000.
Kitchen, Nancy E.: *See—*
  Kitchen, George H., III; Kitchen, Nancy E.; McCleery, Neil B.; and Builes, Eduardo, 4,823,116, Cl. 340-603.000.
Kitchen, Stephen: *See—*
  Lyttle, William J.; and Kitchen, Stephen, 4,827,424, Cl. 364-470.000.
Kitchens, James L., to S.T.C., Inc. Fail-safe thermostat for vehicular cooling systems. 4,883,225, 11-28-89, Cl. 236-34.500.
Kitchens, William B. A.C.-D.C. Spike eliminating bandpass filter. 4,845,580, 7-4-89, Cl. 361-91.000.
Kitchin, John; Cherry, Peter C.; Pipe, Adrian J.; Crame, Andrew J.; and Borthwick, Alan D., to Glaxo Group Limited. Heterocyclic amino compounds. 4,880,801, 11-14-89, Cl. 514-215.000.
Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; Finn, Peter J.; and Fisher, Michael G., to Minnesota Mining and Manufacturing Company. Photographic color proofing apparatus. 4,814,827, 3-21-89, Cl. 355-37.000.
Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; and Finn, Peter J., to Minnesota Mining and Manufacturing Company. Continuous tone color imaging using laser or light emitting diode sources. 4,824,770, 4-25-89, Cl. 430-363.000.
Kite, Dolores N. Card file mirror. 4,889,419, 12-26-89, Cl. 350-600.000.
Kite, J. Sellers: *See—*
  Moyer, James D.; Neuhauser, John K.; Conaghan, Thomas B.; and Kite, J. Sellers, 4,822,060, Cl. 277-166.000.
Kite, Joseph S., III; and Tresslar, Marie C., to Bentley-Harris Manufacturing Company, The. Vibration abrasive resistant fabric covering. 4,836,080, 6-6-89, Cl. 87-9.000.
Kite, Joseph S., III, to Bentley-Harris Manufacturing Company, The. Abrasion resistant sleeve for flat substrates. 4,862,922, 9-5-89, Cl. 138-119.000.
Kite, Joseph S., III: *See—*
  Tresslar, Marie C.; Kite, Joseph S., III; Piotrowski, Michael J.; and Conaghan, Thomas B., 4,870,887, Cl. 87-9.000.
Kite, Nicholas J.: *See—*
  Dierick, Tony F. J.; Kite, Nicholas J.; and Moran, Michael J., 4,857,029, Cl. 446-220.000.
Kitechnology B.V.: *See—*
  Barnoach, Itzhak, 4,887,847, Cl. 285-52.000.
Kiten, Hiroshi: *See—*
  Iida, Takashi; Tsumazawa, Hiroyuki; Itoh, Masatoshi; and Kiten, Hiroshi, 4,847,650, Cl. 354-400.000.
Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Nagashima, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasumi; Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Meka, Masahiko; and Tomeoka, Masaru, to Mitsubishi Jukogyo Kabushiki Kaisha. Laser beam welding apparatus for an inner circumferential surface of a tube. 4,839,495, 6-13-89, Cl. 219-121.630.
Kithany, Subhash S., to Owens-Corning Fiberglas Corporation. Refractory metal substrate and coatings therefor. 4,812,372, 3-14-89, Cl. 428-664.000.

Kitlas, Paul F.: *See—*
  Hewitt, Richard P.; Shoemaker, Timothy A.; and Kitlas, Paul F., 4,808,958, Cl. 336-136.000.
Kitner, William M. Terrain vehicle stabilizer. 4,815,756, 3-28-89, Cl. 280-755.000.
Kitney, Howard R.: *See—*
  Leggett, Henry H.; and Kitney, Howard R., 4,886,115, Cl. 166-77.000.
Kito, Koji: *See—*
  Onozawa, Makoto; Kito, Koji; and Osawa, Michitaka, 4,823,052, Cl. 315-408.000.
Kito, Masahiro; Mori, Katsuhiro; and Mitsumoto, Takashi, to Aisin Seiki Kabushiki Kaisha. Heat exchanger for recovering heat from exhaust gases. 4,798,242, 1-17-89, Cl. 165-103.000.
Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho; and Toyota Jidosha Kabushiki Kaisha. Transmission operating apparatus for automatic transmission. 4,880,092, 11-14-89, Cl. 192-4.00A.
Kito, Tomohisa; Yabuta, Katsuhisa; and Hattori, Yoshinori, to NGK Spark Plug, Co., Ltd. Turbine rotor. 4,878,812, 11-7-89, Cl. 416-241.00B.
Kito, Tsutomu; Nakasuji, Norikazu; Kataoka, Takashi; Inagaki, Hiroshi; and Shibahashi, Yutaka. Reversible heat sensitive recording composition. 4,865,648, 9-12-89, Cl. 106-21.000.
Kito, Yasutami: *See—*
  Iwasa, Masao; Kito, Yasutami; and Mori, Masayuki, 4,870,334, Cl. 318-432.000.
Kito, Yoshikazu; Ishikawa, Toshihiko; and Tatematsu, Susumu, to Hoshizaki Electric Co., Ltd. Ice dispenser. 4,817,827, 4-4-89, Cl. 222-238.000.
Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, to Hoshizaki Electric Co., Ltd. Ice dispenser. 4,846,381, 7-11-89, Cl. 222-638.000.
Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, to Hoshizaki Electric Co., Ltd. Auger-type ice making machine. 4,850,202, 7-25-89, Cl. 62-195.000.
Kitoh, Kyosuke: *See—*
  Koyama, Noritoshi; Ikeuchi, Takayuki; Araki, Seiichi; Kitoh, Kyosuke; and Ida, Katsumi, 4,839,389, Cl. 514-724.000.
Kitoh, Norimitsu: *See—*
  Kumada, Akira; Murata, Michihiro; Itoh, Nobuhiro; and Kitoh, Norimitsu, 4,833,390, Cl. 320-2.000.
Kitoh, Osamu; and Ohashi, Masahiko, to Toyota Jidosha Kabushiki Kaisha; and Iida Industry Co., Ltd. Thermosetting foaming sealer. 4,874,650, 10-17-89, Cl. 428-68.000.
Kitokovsky, Alexander P., to TRW Vehicle Safety Systems Inc. Tongue assembly. 4,878,271, 11-7-89, Cl. 24-194.000.
Kitora, Takatsugu; and Taki, Youichirou, to Mitsubishi Denki Kabushiki Kaisha. TTL circuit having improved pulldown circuit. 4,814,645, 3-21-89, Cl. 307-456.000.
Kitou, Makoto: *See—*
  Kokaku, Yuuichi; and Kitou, Makoto, 4,863,557, Cl. 156-643.000.
Kitrell, John V. Visual signal device for a bicycle. 4,852,970, 8-1-89, Cl. 350-99.000.
Kitrell, John V. Fender mounted visual signal device for a bicycle. 4,852,971, 8-1-89, Cl. 350-99.000.
Kitson, Melanie; and Williams, Peter S., to BP Chemicals Limited. Alcohols production by hydrogenation of carboxylic acids. 4,804,791, 2-14-89, Cl. 568-885.000.
Kitson, Melanie; and Williams, Peter S., to BP Chemicals Limited. Catalyst for the production of an alcohol and/or a carboxylic acid ester by hydrogenation of a carboxylic acid. 4,826,795, 5-2-89, Cl. 502-184.000.
Kitsuda, Yoshihiro: *See—*
  Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
  Tsukamoto, Katsuya; Masamoto, Kyoji; Fujii, Yasuhiro; and Kitsuda, Yoshihiro, 4,851,855, Cl. 343-700.0MS.
Kitsukawa, Goro; Watanabe, Takao; Hori, Ryoichi; and Itoh, Kiyoo, to Hitachi, Ltd. Semiconductor memory having amplifier including bipolar transistor. 4,853,899, 8-1-89, Cl. 365-207.000.
Kitsukawa, Goro: *See—*
  Hori, Ryoichi; Itoh, Kiyoo; Kitsukawa, Goro; Kawajiri, Yoshiki; Watanabe, Takao; and Kawahara, Takayuki, 4,873,673, Cl. 365-230.060.
Kitsukawa, Mariko: *See—*
  Matsuo, Kohtaro; Ezaki, Youichirou; Tobe, Akihiro; Yamazaki, Satoshi; Enda, Kozue; and Kitsukawa, Mariko, 4,883,822, Cl. 514-680.000.
Kitsuki, Tomohito: *See—*
  Fujikura, Yoshiaki; Kitsuki, Tomohito; Fujita, Manabu; and Toi, Nao, 4,839,340, Cl. 512-9.000.
Kitt, Martin P., to Ihly Industries, Inc. Method and apparatus for forming outwardly projecting beads on cylindrical objects. 4,870,847, 10-3-89, Cl. 72-84.000.
Kitta, Hideaki, to Yamaha Hatsudoki Kabushiki Kaisha. Exhaust control device of engine. 4,817,374, 4-4-89, Cl. 60-313.000.
Kitta, Hideaki: *See—*
  Sakurai, Tadashi; Fuchigami, Wataru; and Kitta, Hideaki, 4,795,420, Cl. 60-313.000.
Kittaka, Hirokazu; Nishizaki, Akihiko; and Ichijo, Toshihiro, to Nitto Boseki Co., Ltd. Method of manufacturing fiber-reinforced resin pipe. 4,849,150, 7-18-89, Cl. 264-258.000.

Kittaka, Toshihiko; Ando, Akira; and Sakabe, Yukio, to Murata Manufacturing Co., Ltd. Chip type piezoelectric device. 4,876,476, 10-24-89, Cl. 310-320.000.

Kittel, Arthur, to AEG Olympia Aktiengesellschaft. Ribbon cassette having line forming means for typewriters or office machines of similar construction. 4,813,796, 3-21-89, Cl. 400-18.000.

Kittel, Florenz. Apparatus for acting on glass sheets. 4,834,275, 5-30-89, Cl. 225-97.000.

Kittel, Friedrich; and Kolb, Dieter, to Fichtel & Sachs AG. Friction clutch with interlocking flywheel and clutch cover. 4,811,826, 3-14-89, Cl. 192-70.130.

Kittel, Friedrich; Lutz, Dieter; Nagler, Franz; Oppitz, Horst; and Gasper, Gerhard, to Sachs Systemtechnik GmbH. Control device, in particular for a motor-vehicle friction clutch. 4,852,419, 8-1-89, Cl. 74-89.140.

Kitterman, John F.: *See—*
  Sockwell, C. Leon; Kitterman, John F.; Kitterman, Kent B.; and Koenig, Richard F., 4,830,436, Cl. 298-8.00R.

Kitterman, Kent B.: *See—*
  Sockwell, C. Leon; Kitterman, John F.; Kitterman, Kent B.; and Koenig, Richard F., 4,830,436, Cl. 298-8.00R.

Kitterman, Lawrence R.; and Rohr, Robert D., to Seaquist Closures, a division of Pittway Corporation. Closure with open lid retainer. 4,881,668, 11-21-89, Cl. 222-482.000.

Kittila, Ilmari, to Karjasuo Oy. Vacuum heat exchange apparatus for ventilation of buildings, in particularly of animal sheds. 4,846,261, 7-11-89, Cl. 165-54.000.

Kittle, Paul A., to Rusmar Incorporated. Method of providing a barrier between a substrate and the atmosphere and compositions therefor. 4,874,641, 10-17-89, Cl. 427-244.000.

Kittler, Wilfred C., to Andus Corporation. Surface treatment of polymers. 4,802,967, 2-7-89, Cl. 204-192.140.

Kittler, Wilfred C., to Andus Corporation. Surface treatment of polymers. 4,865,711, 9-12-89, Cl. 204-192.140.

Kittner, Peter: *See—*
  Holzner, Gunter; Kittner, Peter; and Blake, Anthony, 4,880,649, Cl. 426-302.000.

Kittrell, James M.: *See—*
  Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,859,513, Cl. 428-34.200.
  Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,880,701, Cl. 428-34.200.
  Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,888,222, Cl. 428-34.200.

Kitts, Jacques B., to Cardgard Ltd. Security device. 4,853,676, 8-1-89, Cl. 340-543.000.

Kittscher, Peter, to Henkel Kommanditgesellschaft auf Aktien. Dispensing storage container and assembly for laundry treatment material. 4,883,203, 11-28-89, Cl. 222-143.000.

Kitukawa, Goro: *See—*
  Watanabe, Takao; Kitukawa, Goro; Hori, Ryoichi; Itoh, Kiyoo; Kawajiri, Yoshiki; and Kawahara, Takayuki, 4,837,462, Cl. 307-446.000.

Kitz Corporation: *See—*
  Gomi, Chikashi, 4,801,158, Cl. 285-52.000.
  Kanemaru, Tonaharu, 4,846,221, Cl. 137-614.170.

Kitzing, Walter: *See—*
  Horn, Jurgen; and Kitzing, Walter, 4,886,133, Cl. 177-211.000.

Kitzinger, Frank; and Labuc, Vladimir M., to Noranda Inc. Ultrasonic mine survey probe. 4,845,990, 7-11-89, Cl. 73-597.000.

Kitzinger, Frank; Sprott, David; and Menard, Michel, to Noranda, Inc. Accelerometer for blast monitoring. 4,884,250, 11-28-89, Cl. 367-180.000.

Kitzsteiner, Friedrich: *See—*
  Zeller, Rudolf; and Kitzsteiner, Friedrich, 4,884,348, Cl. 33-502.000.

Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, to Hitachi Ltd.; and Hitachi VLSI Engineering Corp. Information processing apparatus. 4,809,206, 2-28-89, Cl. 364-724.010.

Kiuchi, Eiichi, to NEC Corporation. Moving target detector signal processor enabling selected video output with smooth amplitude. 4,839,655, 6-13-89, Cl. 342-93.000.

Kiuchi, Harunaga: *See—*
  Murata, Hiroyuki; Chiji, Masahiro; Tanaka, Takeshi; Kuwahara, Tadao; Kiuchi, Harunaga; and Cho, Masamichi, 4,834,298, Cl. 241-5.000.
  Murata, Hiroyuki; Tanaka, Takeshi; Hino, Chouji; Kiuchi, Harunaga; and Chiji, Masahiro, 4,871,119, Cl. 241-189.00R.

Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, to Kabushikikaisha Kibun; and Kabushikikaisha Kibun Foodchemifa. Process for the production of a food material. 4,806,367, 2-21-89, Cl. 426-46.000.

Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, to Kabushikikaisha Kibun; and Kabushikikiaisha Kibun Foodchemifa. Process for producing food material. 4,877,622, 10-31-89, Cl. 426-46.000.

Kiuchi, Kazuo: *See—*
  Takahara, Hideyuki; and Kiuchi, Kazuo, 4,885,267, Cl. 501-134.000.

Kiuchi, Masashi: *See—*
  Nakahara, Toshiaki; Ohsaki, Ichiro; Ushiyama, Hisayuki; Kiuchi, Masashi; Yamazaki, Masuo; Goseki, Yasuhide; and Ochi, Hisayuki, 4,797,344, Cl. 430-138.000.

Kiuchi, Masayoshi: *See—*
  Amano, Kenichiro; Kiuchi, Masayoshi; Harada, Yoshihito; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,849,780, Cl. 354-289.120.
  Fukuda, Tsuyoshi; Suzuki, Masayuki; and Kiuchi, Masayoshi, 4,843,420, Cl. 354-479.000.
  Harada, Yoshihito; Kiuchi, Masayoshi; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,868,598, Cl. 354-472.000.
  Kiyohara, Syuichi; Suzuki, Nobuyuki; and Kiuchi, Masayoshi, 4,849,783, Cl. 354-442.000.

Kiuchi, Norihiro: *See—*
  Tazawa, Isao; Kiuchi, Norihiro; Segawa, Hideo; Tominaga, Chikara; and Murakami, Kenji, 4,816,748, Cl. 324-65.00R.

Kiuchi, Seiji: *See—*
  Sakaguchi, Masaaki; and Kiuchi, Seiji, 4,828,196, Cl. 242-67.10R.
  Sakaguchi, Masaaki; Usui, Mitsunobu; Chikamasa, Hiroshi; Wakatsuki, Keisuke; and Kiuchi, Seiji, 4,844,370, Cl. 242-67.10R.
  Tsuruta, Masao; Kiuchi, Seiji; Honjyoh, Akira; Oishi, Kengo; and Suzuki, Osamu, 4,841,403, Cl. 360-132.000.

Kiuchi, Takashi: *See—*
  Someya, Shinzo; Akahira, Rokuro; Horino, Hiroshi; Ohnaka, Michihiro; and Kiuchi, Takashi, 4,798,618, Cl. 71-92.000.

Kiuchi, Takeo; and Sakurai, Hidetoshi, to Honda Giken Kogyo Kabushiki Kaisha. Method and apparatus for controlling the solenoid current of a solenoid valve which controls the amount of suction of air in an internal combustion engine. 4,875,447, 10-24-89, Cl. 123-339.000.

Kiuchi, Takeo: *See—*
  Yasuoka, Akimasa; Kiuchi, Takeo; and Iwata, Takahiro, 4,819,596, Cl. 123-339.000.

Kiuchi, Toyoo, to NEC Corporation. Data processing apparatus. 4,827,405, 5-2-89, Cl. 364-200.000.

Kivi, Jouni: *See—*
  Koskimies, Salme; Rantanen, Leena, Kivi, Jouni; and Halme, Erkki, 4,816,610, Cl. 585-514.000.

Kiwi, John: *See—*
  Gratzel, Michael; Kiwi, John; and Thampi, Krishnan R., 4,847,231, Cl. 502-74.000.

Kiwi Research & Development Corp.: *See—*
  Rushing, John A., Harris, Sam; and Penney, Ross S., 4,815,677, Cl. 244-33.000.

Kiy, Burghardt: *See—*
  Rohrbach, Wolfgang; Grafenstein, Georg; Beer, Wilhelm; Kiy, Burghardt; and Monetha, Eugen, 4,865,149, Cl. 180-148.000.

Kiya, Nobuyuki; Toriyama, Shuji; and Saiki, Yoshiharu, to Fanuc Ltd. Signal tracing control system for PMC. 4,812,964, 3-14-89, Cl. 364-140.000.

Kiya, Nobuyuki; and Neko, Noriaki, to Fanuc Ltd. Injection molding machine which allows process monitoring. 4,823,274, 4-18-89, Cl. 364-476.000.

Kiya, Nobuyuki; and Maeda, Kimio, to Fanuc Ltd. Numerical control method for machining an arc on the curved surface of a cylinder using interpolation of linear and angular data. 4,878,171, 10-31-89, Cl. 364-474.290.

Kiya, Nobuyuki; and Sakamoto, Keiji, to Fanuc Ltd. Injection control apparatus for injection molding machine. 4,887,012, 12-12-89, Cl. 318-434.000.

Kiya, Nobuyuki; Toriyama, Shuji; and Saiki, Yoshiharu, to Fanuc Ltd. Parameter initializing method for a programmable machine controller. 4,887,220, 12-12-89, Cl. 364-474.110.

Kiyake, Junji: *See—*
  Morita, Kiyomi; Kiyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,570, Cl. 123-472.000.

Kiyama, Masao: *See—*
  Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,806,429, Cl. 428-403.000.
  Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,851,292, Cl. 428-403.000.

Kiyama, Nobuo: *See—*
  Kurisu, Shingo; Omori, Shunji; Takenaka, Hiroyuki; Egawa, Tsuneo; Mitsunaga, Takuro; and Kiyama, Nobuo, 4,799,836, Cl. 409-138.000.

Kiyohara, Akio: *See—*
  Sakai, Yasushi; Fujii, Tetsuo; Saito, Michio; Munekata, Motoaki; and Kiyohara, Akio, 4,870,146, Cl. 526-237.000.

Kiyohara, Hiroshi: *See—*
  Mori, Nobuo; Takeuchi, Terumasa; and Kiyohara, Hiroshi, 4,805,516, Cl. 91-503.000.

Kiyohara, Kazuto; Funabashi, Yoshiyuki; and Shimomura, Naoko, to Konica Corporation. Base for reflection-photographic elements. 4,847,149, 7-11-89, Cl. 428-332.000.

Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, to Konica Corporation; and Kanebo Ltd. Process for producing polyester resin composition. 4,877,819, 10-31-89, Cl. 523-200.000.

Kiyohara, Shuichi: *See—*
  Hayakawa, Shingo; and Kiyohara, Shuichi, 4,870,443, Cl. 354-432.000.

Kiyohara, Syuichi; Suzuki, Nobuyuki; and Kiuchi, Masayoshi, to Canon Kabushiki Kaisha. Information setting apparatus for a camera. 4,849,783, 7-18-89, Cl. 354-442.000.

Kiyohara, Takehiko; and Terasawa, Koji, to Canon Kabushiki Kaisha. Ink-jet printer with cap means. 4,819,012, 4-4-89, Cl. 346-140.00R.

Kiyohara, Takehiko, to Canon Kabushiki Kaisha. Ink jet recording apparatus with an ink tank-carriage configuration for increasing useable space. 4,878,069, 10-31-89, Cl. 346-140.00R.

Kiyokane, Jerrilyn C., to Namkung Promotions, Inc. Advertising device. 4,804,133, 2-14-89, Cl. 229-8.000.

Kiyokawa, Hiroshi: *See—*
  Fujii, Setsuro; Kawamura, Hiroyuki; Kiyokawa, Hiroshi; and Yamada, Satoshi, 4,824,834, Cl. 514-246.000.

Kiyokawa, Morio; and Fujimoto, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Dual language numerical controller. 4,797,811, 1-10-89, Cl. 364-200.000.

Kiyokawa, Morio; and Fujimoto, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Numerical control program editing and storage in RAM and ROM. 4,825,382, 4-25-89, Cl. 364-474.010.

Kiyokawa, Shin, to Misato Plaheat Mfg. Ltd. Fish culturing method and sac-fry pond for use in practicing same. 4,803,949, 2-14-89, Cl. 119-3.000.

Kiyomiya, Masayuki: *See—*
  Ichikawa, Haruo; Kanno, Ryoichi; and Kiyomiya, Masayuki, 4,887,531, Cl. 101-216.000.

Kiyomiya, Yutaka; Yamaguchi, Yasumasa; Ushigome, Masahiro; and Murata, Hiroshi, to Nitto Chemical Industry Co., Ltd. Process for producing 2,6-dichlorobenzonitrile. 4,883,897, 11-28-89, Cl. 558-327.000.

Kiyomoto, Masayuki: *See—*
  Yokoshima, Minoru; Ohkubo, Tetsuo; Hattori, Hideaki; and Kiyomoto, Masayuki, 4,843,111, Cl. 522-42.000.

Kiyomoto, Naoshi: *See—*
  Mochida, Yoshihiro; Sugimoto, Takeyuki; Shirahama, Ichiro; and Kiyomoto, Naoshi, 4,850,710, Cl. 356-367.000.

Kiyomoto Tekko Kabushiki Kaisha: *See—*
  Iwasaki, Yoshihiko, 4,818,447, Cl. 261-122.000.
  Iwasaki, Yoshihiko; and Noguchi, Toyosaburo, 4,857,350, Cl. 426-506.000.

Kiyonaga, Kazuo; Litz, Lawrence M.; and Bergman, Thomas J., to Union Carbide Corporation. Gas dispersion process and system. 4,867,918, 9-19-89, Cl. 261-76.000.

Kiyono, Masahi: *See—*
  Abe, Tomoaki; Kiyono, Masahi; and Takao, Mitsunori, 4,866,620, Cl. 364-431.050.

Kiyono, Masashi; Abe, Tomoaki; and Takao, Mitsunori, to Nippondenso Co., Ltd. Internal combustion engine control system. 4,796,591, 1-10-89, Cl. 123-492.000.

Kiyono, Masashi; Takeuchi, Kanji; Abe, Tomoaki; and Takao, Mitsunori, to Nippondenso Co., Ltd. Throttle valve control apparatus. 4,854,283, 8-8-89, Cl. 123-361.000.

Kiyono, Masashi: *See—*
  Abe, Tomoaki; Takao, Mitsunori; and Kiyono, Masashi, 4,805,576, Cl. 123-479.000.
  Abe, Tomoaki; Kiyono, Masashi; and Takao, Mitsunori, 4,817,576, Cl. 123-519.000.
  Abe, Tomoaki; Takao, Mitsunori; and Kiyono, Masashi, 4,850,325, Cl. 123-479.000.
  Matsuzawa, Toshio; Minagawa, Kazuji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kamio, Shigeru; Maeda, Katsuya; and Takao, Mitsunori, 4,838,226, Cl. 123-399.000.

Kiyono, Shinji: *See—*
  Ono, Hiroshi; Kasuga, Takaharu; Kiyono, Shinji; and Fujita, Yoshihiro, 4,825,003, Cl. 568-490.000.
  Ueno, Tomoyuki; Honda, Tadatoshi; Jimbo, Takashi; Kotani, Makoto; Terada, Kazuhiro; and Kiyono, Shinji, 4,831,158, Cl. 544-508.000.

Kiyono, Shunichi, to NSK-Warner Kabushiki Kaisha. Lip suitable for use with guide rail of passive seat belt system. 4,795,192, 1-3-89, Cl. 280-804.000.

Kiyono, Shunichi, to Nippon Seiko Kabushiki Kaisha. Guide rail lip for passive seat belt system. 4,834,426, 5-30-89, Cl. 280-804.000.

Kiyooka, Hiroshi, to Canon Kabushiki Kaisha. Control apparatus. 4,814,969, 3-21-89, Cl. 364-186.000.

Kiyooka, Katsumi, to Komatsu Zenoah Co. Dust collector. 4,817,230, 4-4-89, Cl. 15-330.000.

Kiyooka, Katsumi: *See—*
  Ueno, Tetsuo; and Kiyooka, Katsumi, 4,815,430, Cl. 123-195.00R.
  Ueno, Tetsuo; and Kiyooka, Katsumi. 4,821,691, Cl. 123-185.00B.

Kiyosawa, Junichi, to Asics Corporation. Sports shoe. 4,878,301, 11-7-89, Cl. 36-69.000.

Kiyoshi, Inoue, to Inoue Japax Research Incorporated. Wire-cut electric discharge machine in which two adjoining segments of a common electrode effect machining. 4,803,326, 2-7-89, Cl. 219-69.00W.

Kiyoshi, Nakatani; Numata, Satoshi; Kodaka, Kenji; Oda, Kengo; Shiraishi, Shiro; and Udagawa, Takatoshi, to Mitsui Toatsu Chemicals, Inc. 1,4-diaryl alkane derivatives having insecticidal and acaricidal activity. 4,814,340, 3-21-89, Cl. 514-345.000.

Kiyoshige, Masanori: *See—*
  Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Kiyosumi, Fumio, to Oki Electric Industry Co. Ltd. Dram having pip capacitor inside a trench. 4,855,952, 8-8-89, Cl. 365-149.000.

Kiyota, Takao: *See—*
  Kajihara, Junichi; Kiyota, Takao; and Hayashi, Hiroshi, 4,880,915, Cl. 530-413.000.

Kiyota, Yoshisato, to Kawasaki Steel Corporation. Starting material for injection molding of metal powder and method of producing sintered parts. 4,867,943, 9-19-89, Cl. 419-23.000.

Kiyoura, Kazuhiro; Endo, Fumio; Kimura, Toshiyuki; Aoyagi, Yoshio; and Nakamura, Kazunari, to Pioneer Electronic Corporation. Random playing method for disk player. 4,841,506, 6-20-89, Cl. 369-32.000.

Kiyoura, Tadamitsu; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, to Mitsui Toatsu Chemicals, Incorporated. Manufacturing process of chlorine. 4,822,589, 4-18-89, Cl. 423-502.000.

Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, to Mitsui Toatsu Chemicals, Incorporated. Production process of chlorine. 4,828,815, 5-9-89, Cl. 423-502.000.

Kizaki, Masatoshi: *See—*
  Sano, Hiroyuki; and Kizaki, Masatoshi, 4,865,865, Cl. 426-602.000.
  Sano, Hiroyuki; Kizaki, Masatoshi; and Iwanaga, Yukiya, 4,883,683, Cl. 426-582.000.

Kizaki, Mikio: *See—*
  Nagase, Masaomi; Ito, Yoshiyasu; Kizaki, Mikio; Matsuno, Kiyotaka; Tsukamoto, Keisuke; and Kobayashi, Fumiaki, 4,879,673, Cl. 364-571.010.

Kizaki, Seiichi, to Casio Computer Co., Ltd. Liquid crystal composition. 4,846,999, 7-11-89, Cl. 252-299.630.

Kizaki, Takeo: *See—*
  Tanino, Katsumi; Nakazawa, Yukio; and Kizaki, Takeo, 4,808,326, Cl. 252-62.540.

Kizawa, Takashi: *See—*
  Adachi, Minoru; and Kizawa, Takashi, 4,886,377, Cl. 384-49.000.

Kiziah, Floyd G. Adjustable closet floor flange. 4,827,539, 5-9-89, Cl. 4-252.00R.

Kizler, Wolfgang: *See—*
  Schopf, Hans-J; Kizler, Wolfgang; Dahm, Wolfram; and Thom, Rudolf, 4,817,454, Cl. 74-572.000.

Kizu, Soujiro: *See—*
  Sashou, Hidehiko; and Kizu, Soujiro, 4,858,027, Cl. 358-311.000.

Kjelgaard, Tom, to Roby Teknik Aktiebolag. Packing container. 4,884,695, 12-5-89, Cl. 206-631.200.

Kjelleberg, Staffan; and Ronnow, Peter, to Chemical Dynamics Sweden AB. Method of detaching micro-flora and compositions therefor. 4,859,656, 8-22-89, Cl. 514-54.000.

Kjellin, Per G.; and Persson, Carl G. A., to Aktiebolaget Draco. Method and pharmaceutical preparation for treating chronic obstructive airway disease and cardiac disease, and intermediates for the preparation of therapeutically active xanthine derivatives. 4,804,664, 2-14-89, Cl. 514-263.000.

Kjosness, David P.; and Marriott, Joe E., to Hewlett-Packard Company. Coaxial switching system with switched shields and crosstalk suppression. 4,876,520, 10-24-89, Cl. 333-12.000.

KLA Instruments Corporation: *See—*
  Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
  Davidson, Mark, 4,818,110, Cl. 356-358.000.
  Jamieson, John; and Hsu, May M., 4,845,373, Cl. 250-548.000.
  Rosenberg, Larry; Chadwick, Curt H.; and Brudny, Alex, 4,889,676, Cl. 204-255.000.
  Specht, Donald F.; Wihl, Tim S.; Young, Scott A.; Hager, James J., Jr.; and Lutzker, Matthew B., 4,805,123, Cl. 364-559.000.
  Tsai, Bin-ming B.; and Babian, Fred E., 4,845,558, Cl. 358-106.000.

Klaar, Karlo; Spielau, Paul; and Kuhnel, Werner, to Dynamit Nobel Aktiengesellschaft. Laminate of fiber-reinforced, crosslinked polypropylene. 4,833,005, 5-23-89, Cl. 428-224.000.

Klaar, Karlo: *See—*
  Breitscheidel, Hans-Ulrich; Klaar, Karlo; and Spielau, Paul, 4,826,552, Cl. 156-221.000.

Klaassen, Dirk B. M.: *See—*
  De Leeuw, Dagobert M.; Klaassen, Dirk B. M.; and Mutsaers, Cornelis A. H. A., 4,859,902, Cl. 313-474.000.

Klaassen, Francois M., to U.S. Philips Corporation. Integrated circuit comprising complementary field effect transistors. 4,799,092, 1-17-89, Cl. 357-23.120.

Klaassen, Klaas B.: *See—*
  Jove, Stephen A.; Klaassen, Klaas B.; Nomura, Calvin S.; and vanPeppen, Jacobus C. L., 4,879,610, Cl. 360-67.000.

Klabin, Mauricio, to Mec-Prec Mecanica de Precisao Industria e Comercio Ltda. Safe for collecting public telephone tokens. 4,889,279, 12-26-89, Cl. 232-15.000.

Klabius, James J.; and Givens, John K., to Seal-Dry/USA, Inc. Heat sealing table assembly. 4,795,520, 1-3-89, Cl. 156-380.400.

Klabunde, Kenneth J., to Kansas State University Research Foundation. Method of coating substrates with solvated clusters of metal particles. 4,877,647, 10-31-89, Cl. 427-123.000.

Klabunde, Ulrich; Newitt, Edward J.; and Tebbe, Frederick N., to Du Pont de Nemours, E. I., and Company. Gas phase preparation of aluminum nitride. 4,865,830, 9-12-89, Cl. 423-412.000.

Kladders, Heinrich, to Boehringer Ingelheim KG. Powdered pharmaceutical inhaler. 4,889,114, 12-26-89, Cl. 128-203.150.

Klaenhammer, Todd R.; and Sanozky-Dawes, Rosemary B., to North Carolina State University. pTN1060, a conjugal plasmid and derivatives thereof that confer phage resistance to group N streptococci. 4,883,756, 11-28-89, Cl. 435-252.300.

Klaerner, Peter: *See—*
  Schwaben, Hans-Dieter; Echte, Adolf; Bueschl, Rainer; Schlichtmann, Rainer; Klaerner, Peter; and Kindler, Hubert, 4,839,418, Cl. 525-53.000.

- Klaes, Gerald F.: *See—*
  - Devis, Edward H.; Klaes, Gerald F.; Harris, Jack L.; and Douglass, Paul L., 4,885,928, Cl. 72-410.000.
- Klaeser, Richard; and Blatz, Glenroy G., to H.G. Weber & Co., Inc. Patch applicator vacuum cylinder for web material. 4,838,982, 6-13-89, Cl. 156-520.000.
- Klafter, Richard D.: *See—*
  - Park, Kyung T.; and Klafter, Richard D., 4,807,482, Cl. 73-862.680.
- Klagsbrun, Michael, to Children's Medical Center Corporation, The. Method of purifying endothelial cell growth factors using immobilized heparin. 4,882,275, 11-21-89, Cl. 435-68.000.
- Klahn, Francis C.; Werner, Charles E.; and Fasnacht, Floyd A., Jr., to Babcock & Wilcox Company, The. Remotely installed, operated and removed manipulator for steam generator. 4,804,038, 2-14-89, Cl. 165-11.200.
- Klaiber, Eberhard, to Krone Aktiengesellschaft. Connector bank for telecommunication devices. 4,822,306, 4-18-89, Cl. 439-709.000.
- Klaiber, Eberhard: *See—*
  - Gerke, Dieter; Biederstedt, Lutz; and Klaiber, Eberhard, 4,822,300, Cl. 439-417.000.
- Klaiber, Thomas: *See—*
  - Kunzer, Adolf; and Klaiber, Thomas, 4,852,429, Cl. 74-866.000.
- Klainer, Stanley M.; Harris, J. Milton; and Goswami, Kisholoy, to ST&E, Inc. Modular fiber optic chemical sensor. 4,824,206, 4-25-89, Cl. 350-96.290.
- Klainer, Stanley M., to ST&E, Inc. Fiber optic which is an inherent chemical sensor. 4,846,548, 7-11-89, Cl. 350-96.290.
- Klainman, Alex, to Scitex Corporation Ltd. Device for stabilization of beam intensity distribution in laser scanners. 4,834,520, 5-30-89, Cl. 350-584.000.
- Klajnscek, Leslie J., to Johnson & Johnson Consumer Products, Inc. Liquid detergent compositions with phosphate ester solubilizers. 4,836,949, 6-6-89, Cl. 252-135.000.
- Klam, Rudiger; Muhlberger, Rupert; and Stadler, Karl, to Patent Treuhand Gesellschaft fur elektrische Gluhlampen mbH. Halogen incandescent lamp with high reliability filament connection, and method of manufacture. 4,812,710, 3-14-89, Cl. 313-579.000.
- Klamer, Albert: *See—*
  - Lugtmeier, Lubbertus; and Klamer, Albert, 4,889,184, Cl. 166-80.000.
- Klamer, Roelof: *See—*
  - Kaper, Louris; Klamer, Roelof; and Noomer, Pieter J., 4,877,631, Cl. 426-422.000.
- Klammer, Josef; and Grosschadl, Werner. Hot water storage tank. 4,874,104, 10-17-89, Cl. 220-4.00B.
- Klan, Walter: *See—*
  - Schmidt, Manfred; Sommerfeld, Claus-Dieter; Prolingheuer, Christoph; and Klan, Walter, 4,857,560, Cl. 521-103.000.
- Klang, Kathy A. Book cover. 4,846,500, 7-11-89, Cl. 281-34.000.
- Klank, Otto; Schroder, Ernst; and Voessing, Walter, to Deutsche Thomson-Brandt GmbH. Transmission system. 4,821,260, 4-11-89, Cl. 370-77.000.
- Klann, Horst. Spring compressor for large coil springs. 4,809,951, 3-7-89, Cl. 254-10.500.
- Klann, Horst. Device for pressing in and pulling off bearings or sleeves, in particular for axle bearings and/or wheel flange hubs on motor vehicles. 4,870,740, 10-3-89, Cl. 29-263.000.
- Klann, Joerg: *See—*
  - Kuhlmann, Werner; Spaeth, Werner; Waitl, Guenter; and Klann, Joerg, 4,857,746, Cl. 250-551.000.
- Klansek, William. Bow hanger. 4,889,307, 12-26-89, Cl. 248-690.000.
- Klapheke, James W.: *See—*
  - Knego, Frank M.; Cox, Fred D.; and Klapheke, James W., 4,805,560, Cl. 119-51.120.
- Klapper, Kenneth K.: *See—*
  - Boatwright, David A.; Duncan, Robert; and Klapper, Kenneth K., 4,837,419, Cl. 219-125.110.
  - Yeo, Denis; Duncan, Robert; and Klapper, Kenneth K., 4,845,331, Cl. 219-72.000.
- Klapproth, Kenneth H.; Blimmel, William C.; and Dinse, Merle L., to United Technologies Corporation. Stator assembly for an axial flow rotary machine. 4,856,963, 8-15-89, Cl. 415-190.000.
- Klapprott, Daniel H.: *See—*
  - Coyne, Thomas S.; Klapprott, Daniel H.; Lutkin, Eric A.; Mitchell, Frances E.; Riggin, Ute H.; Steichen, Dale S.; and Thompson, Suzanne M., 4,865,759, Cl. 252-186.420.
- Klar, Erhard; and Elattar, Azza, to SCM Metal Products, Inc. Preparation of a catalyst for composition for the production of organohalosilanes. 4,824,984, 4-25-89, Cl. 556-472.000.
- Klar, Erhard; Svilar, Mark; and Berry, David F., to SCM Metal Products, Inc. Infiltrated powder metal part having improved impact strength tensile strength and dimensional control and method for making same. 4,861,373, 8-29-89, Cl. 75-244.000.
- Klaric, Dinko. Movement resistive locking mechanism. 4,815,178, 3-28-89, Cl. 24-606.000.
- Klaric, Dinko. Lock actuator with movement limiting means. 4,815,179, 3-28-89, Cl. 24-606.000.
- Klaric, Dinko, to Space Display Systems Pty. Ltd. Connecting devices for structural elements. 4,883,395, 11-28-89, Cl. 411-55.000.
- Klarquist, Thomas D.: *See—*
  - O'Brien, Dennis J.; Hanson, Paul G.; Klarquist, Thomas D.; Nepple, Bruce C.; Park, Michael C.; and Rosas, Robin R., 4,885,763, Cl. 379-67.000.
- Klarstrom, Dwaine L., to Haynes International, Inc. Chemical reactor for nitric acid. 4,889,696, 12-26-89, Cl. 422-211.000.
- Klarstrom, Dwaine L.: *See—*
  - Rothman, Michael F.; Klarstrom, Dwaine L.; and Lai, George Y., 4,853,185, Cl. 420-584.000.
- Klaser, John J., to Litton Systems, Inc. Method of making a multilayer printed circuit board having screened-on resistors. 4,870,746, 10-3-89, Cl. 29-620.000.
- Klashka, John A.; Kaufman, Sidney L.; Kowal, Krzysztof A.; Lewis, Richard P.; Raisbeck, Susan L.; and McNamara, John L., Jr., to Honeywell Bull Inc. Universal peripheral controller self-configuring bootloadable ramware. 4,803,623, 2-7-89, Cl. 364-200.000.
- Klashka, John A.: *See—*
  - Lewis, Richard P.; and Klashka, John A., 4,831,523, Cl. 364-200.000.
- KLASI, Nirmal S.: *See—*
  - Kalsi, Nirmal S., 4,841,954, Cl. 148-36.000.
- Klass, Jeffrey M.; Reed, Paul A.; and Rimawi, Isam, to Texas Instruments Incorporated. Predecode and multiplex in addressing electrically programmable memory. 4,818,900, 4-4-89, Cl. 307-450.000.
- Klassen, David J., to Ford Motor Company. Control system and method for controlling actual fuel delivered by individual fuel injectors. 4,869,222, 9-26-89, Cl. 123-489.000.
- Klatt, Richard J. Location marking stake. 4,852,512, 8-1-89, Cl. 116-209.000.
- Klatt, Robert W., to Hughes Aircraft Company. Method and apparatus for scanning thermal images. 4,873,442, 10-10-89, Cl. 250-334.000.
- Klatt, Wayne, to 374928 Alberta Limited. Gaswell dehydrate valve. 4,823,880, 4-25-89, Cl. 166-373.000.
- Klatte, Bernd; Ferme, Vencenzo; Herrmann, Fritz; Hebborn, Hans-Gerd; and Poliwczyk, Oskana, to E. R. Squibb & Sons, Inc. Dispensing device for radionuclide generators. 4,801,047, 1-31-89, Cl. 222-163.000.
- Klatzer, Stefan: *See—*
  - Janus, Jonny; Vaubel, Gert; Klatzer, Stefan; and Beckmann, Gunter, 4,817,696, Cl. 152-540.000.
- Klaudt, Milton D.: *See—*
  - Mitchell, Roy O.; Klaudt, Milton D.; and Ullom, Kathleen F. M., 4,876,484, Cl. 315-94.000.
- Klaue, Kaj, to Synthes (U.S.A.). Intramedullary nail. 4,817,591, 4-4-89, Cl. 128-92.0YZ.
- Klaue, Kaj, to Synthes (U.S.A.). Osteosynthetic compression plate. 4,838,252, 6-13-89, Cl. 128-92.0YP.
- Klauke, Erich: *See—*
  - Fuchs, Rainer; Maurer, Fritz; Priesnitz, Uwe; Riebel, Hans-Jochem; and Klauke, Erich, 4,845,249, Cl. 549-455.000.
  - Gehring, Reinhold; Klauke, Erich; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., 4,882,437, Cl. 548-362.000.
  - Schwamborn, Michael; Klauke, Erich; Schmidt, Robert R.; Santel, Hans-Joachim; and Strang, Robert H., 4,877,443, Cl. 71-92.000.
  - Sirrenberg, Wilhelm; Klauke, Erich; Zoebelein, Gerhard; Becker, Benedikt; and Stendel, Wilhelm, 4,826,988, Cl. 548-125.000.
- Klaus, Franz, to Franz Klaus Union Armaturen Pumpen GmbH & Co. Magnetic pump drive. 4,869,654, 9-26-89, Cl. 417-360.000.
- Klaus, Helmut: *See—*
  - Becker, Werner; Klaus, Helmut; and Lause, Heinz, 4,815,794, Cl. 305-14.000.
- Klaus, Hermann: *See—*
  - Dummer, Gerhard; Haselwarter, Klaus; Klaus, Hermann; Schmidhammer, Ludwig; and Strasser, Rudolf, 4,822,932, Cl. 570-226.000.
- Klaus, Langer: *See—*
  - Rainer, Naderer; Lothar, Buxbaum; and Klaus, Langer, 4,801,579, Cl. 514-18.000.
- Klaus, Michael, to Hoffmann-La Roche Inc. Aromatic acid derivatives. 4,808,631, 2-28-89, Cl. 514-561.000.
- Klaus, Michael; Loeliger, Peter; and Weiser, Harald, to Hoffmann-La Roche Inc. Heterocyclic rodenticidal compounds, compositions containing the compounds, and methods of use. 4,816,476, 3-28-89, Cl. 514-443.000.
- Klaus, Michael; Loeliger, Peter; Mohr, Peter; and Weiss, Ekkehard, to Hoffmann-La Roche Inc. Novel tetrahydronaphthalene and indane derivatives. 4,870,219, 9-26-89, Cl. 570-189.000.
- Klaus, Michael; and Weiss, Ekkehard, to Hoffmann-La Roche Inc. Tetrahydronaphthalene and indane derivatives. 4,876,349, 10-24-89, Cl. 546-350.000.
- Klaus, Robert: *See—*
  - Larson, Sherman L.; Del Prato, Daniel J.; and Klaus, Robert, 4,809,392, Cl. 15-312.00R.
- Klausen, Arne I., to Thune-Eureka A/S. Process for bleaching cellulose pulp, a plant for preforming said process, and a screw press for use with said process and plant. 4,838,995, 6-13-89, Cl. 162-18.000.
- Klausener, Alexander: *See—*
  - Baasner, Bernd; Klausener, Alexander; and Ooms, Pieter, 4,888,430, Cl. 548-247.000.
  - Fengler, Gerd; Klausener, Alexander; Buysch, Hans-Josef; Mardin, Mithat; and Pelster, Bernhard, 4,861,878, Cl. 544-48.000.
  - Ooms, Pieter; Klausener, Alexander; Baasner, Bernd; Becker, Benedikt; Behrenz, Wolfgang; and Homeyer, Bernhard, 4,868,198, Cl. 514-406.000.
- Klausner, Cynthia F.: *See—*
  - Baker, Gregory L.; and Klausner, Cynthia F., 4,824,522, Cl. 156-643.000.
  - Baker, Gregory L.; Bowden, Murrae J. S.; Gozdz, Antoni S.; and Klausner, Cynthia F., 4,863,834, Cl. 430-286.000.
- Klaussner, Hans-Jurgen. Apparatus for stripping electrical conductors. 4,796,491, 1-10-89, Cl. 81-9.510.

- Klausz, Remy, to Thomson-CGR. Method for adjusting the gray scale in the reproduction of digitized images and a system for carrying out said method. 4,852,002, 7-25-89, Cl. 364-413.130.
- Klausz, Remy, to Thomson-CGR. Digital imaging system with grey scale setting, especially for the display of blood vessels. 4,827,492, 5-2-89, Cl. 378-99.000.
- Klaveness, Jo: *See—*
  - Jacobsen, Trond; and Klaveness, Jo, 4,863,715, Cl. 424-9.000.
- Klawuhn, Manfred: *See—*
  - Kullen, Albrecht; Klawuhn, Manfred; Hickel, Sigrun; and Franke, Wolfgang, 4,842,416, Cl. 366-314.000.
- Klayman, Arnold I., to Hughes Aircraft Company. Extended imaging split mode loudspeaker system. 4,819,269, 4-4-89, Cl. 381-24.000.
- Klayman, Arnold I., to Hughes Aircraft Company. Loudspeaker system with wide dispersion baffle. 4,836,329, 6-6-89, Cl. 181-155.000.
- Klayman, Arnold I., to Hughes Aircraft Company. Stereo synthesizer. 4,841,572, 6-20-89, Cl. 381-17.000.
- Klayman, Arnold I., to Hughes Aircraft Company. Stero enhancement and directivity servo. 4,866,774, 9-12-89, Cl. 381-1.000.
- Klazinga, Aan H., to Shell Oil Company. Process for the preparation of modified zeolites. 4,874,729, 10-17-89, Cl. 502-61.000.
- Klazinga, Aan H., to Shell Oil Company. Process for the preparation of modified zeolites. 4,874,730, 10-17-89, Cl. 502-61.000.
- Klazinga, Aan H.: *See—*
  - Boxhoorn, Gosse; and Klazinga, Aan H., 4,829,044, Cl. 502-348.000.
- Klco, Kenneth S., to Domtar, Inc. Stabilizing road base composition and method for preparing same. 4,836,856, 6-6-89, Cl. 404-76.000.
- Klearfold, Inc.: *See—*
  - Herrin, Melvin B., 4,846,775, Cl. 493-95.000.
  - Herrin, Melvin B.; and Mazurek, Richard, 4,858,756, Cl. 206-45.340.
- Klebe, Gerhard: *See—*
  - Saupe, Thomas; Klebe, Gerhard; Schirmer, Ulrich; Paul, Gerhard; Kober, Reiner; Wuerzer, Bruno; Berghaus, Rainer; Meyer, Norbert; and Westphalen, Karl-Otto, 4,881,969, Cl. 71-94.000.
- Kleber Industrie: *See—*
  - Bechu, Jean-Pierre, 4,819,565, Cl. 105-11.000.
  - de fontenay, Etienne, 4,834,350, Cl. 267-140.100.
- Kleber, Kurt. Device for the production of crumple pleat crease patterns in fabric webs. 4,833,762, 5-30-89, Cl. 26-69.00R.
- Kleber, Rolf: *See—*
  - Jaeckel, Lothar; Kleber, Rolf; and Mees, Bernhard, 4,883,495, Cl. 8-115.600.
- Kleber, Wolfgang: *See—*
  - Bauch, Helmut; Kleber, Wolfgang; and Auerbach, Dieter, 4,798,338, Cl. 239-692.000.
- Klebl, Wolfram; Bruenn, Rainer; and Staschewski, Harry, to Kabelmetal Electro GmbH. Color coding light wave conductors. 4,881,489, 11-21-89, Cl. 118-672.000.
- Klebusch, Jurgen D. E.: *See—*
  - Hillger, Wolfgang; and Klebusch, Jurgen D. E., 4,829,824, Cl. 73-614.000.
- Klecka, Mark D.: *See—*
  - Morganstein, Sanford J.; Mehta, Bakulesh A.; Krakau, Herbert B.; Milsted, Neil F. N.; and Klecka, Mark D., 4,809,321, Cl. 379-211.000.
- Kleckner, John R. Ventilating support for roof insulation. 4,805,367, 2-21-89, Cl. 52-408.000.
- Klee, David J., to Air Products and Chemicals, Inc. Method and apparatus for gas flow control in a cryogenic freezer. 4,800,728, 1-31-89, Cl. 62-63.000.
- Klee, David J., to Air Products and Chemicals, Inc. Spiral cryogenic freezer. 4,866,946, 9-19-89, Cl. 62-63.000.
- Klee, Helmut; Haas, Hans; Kowalski, Werner; and Dahmen, Theo, to Hoechst Aktiengesellschaft. Process for making a granular product containing sodium triphosphate. 4,800,055, 1-24-89, Cl. 264-118.000.
- Klee, Mareike K.; and Brand, Hans-Wolfgang, to U.S. Philips Corporation. Method of manufacturing powdered barium titanate. 4,859,448, 8-22-89, Cl. 423-598.000.
- Klee, Rudolf-Jurgen: *See—*
  - Kolbe, Joachim; Kummeler, Ferdinand; Miessen, Ralf; and Klee, Rudolf-Jurgen, 4,863,478, Cl. 8-115.600.
- Kleeb, Thomas R.; and Wishon, Berhl E., to Dresser Industries, Inc. Lightweight fused silica refractory compositions. 4,874,726, 10-17-89, Cl. 501-124.000.
- Kleeberg, Wolfgang; Hacker, Heinz; Huber, Jurgen; Wilhelm, Dieter; and Laupenmuhlen, Heinz K., to Siemens Aktiengesellschaft. Epoxy resin molding compounds. 4,812,490, 3-14-89, Cl. 523-443.000.
- Kleefeldt, Frank, to Kiekert GmbH & Co. Kommanditgesellschaft. Bolt assembly for motor-vehicle door latch. 4,834,435, 5-30-89, Cl. 292-341.120.
- Kleefeldt, Frank; Brackmann, Horst; and Bartel, Peter, to Kiekert GmbH & Co. Kommanditgesellschaft. Security system for a motor vehicle. 4,837,567, 6-6-89, Cl. 340-825.310.
- Kleefeldt, Frank, to Kiekert GmbH & Co. Kommanditgesellschaft. Vehicle door latch with secondary fork. 4,869,536, 9-26-89, Cl. 292-210.000.
- Kleefeldt, Frank, to Kiekert GmbH & Co. Kommanditgesellschaft. Bolt assembly for motor-vehicle door latch. 4,883,298, 11-28-89, Cl. 292-341.120.
- Kleeman, Axel: *See—*
  - Drauz, Karl-Heinz; Kleeman, Axel; Prescher, Gunter; and Ritter, Gebhard, 4,825,011, Cl. 568-771.000.
- Kleeman, Thomas E.: *See—*
  - Willits, Samuel P.; Kleeman, Thomas E.; and Willits, Steven F., 4,804,325, Cl. 434-22.000.
  - Willits, Samuel P.; Kleeman, Thomas E.; and Mohan, William L., 4,809,188, Cl. 364-469.000.
- Kleemann, Axel; Klenk, Herbert; Huthmacher, Klaus; and Most, Dieter, to Degussa Aktiengesellschaft. Method of preparing m-trifluoromethylphenyl acetonitrile. 4,824,987, 4-25-89, Cl. 558-348.000.
- Kleemann, Axel; Klostermann, Kurt; Leuchtenberger, Wolfgang; Moerck, Rudi E.; and Karrenbauer, Michael, to Degussa Aktiengesellschaft. Process for the isolation of L-amino acids. 4,827,029, 5-2-89, Cl. 562-559.000.
- Kleemann, Axel: *See—*
  - Giray, Guenes; Huthmacher, Klaus; Kleemann, Axel; and Lied, Thomas, 4,800,044, Cl. 260-399.000.
  - Schmidt, Manfred; Prescher, Guenter; Prescher, Gunter; and Kleemann, Axel, 4,845,252, Cl. 549-531.000.
- Kleemann, Heinz-Werner: *See—*
  - Wagner, Adalbert; Kleemann, Heinz-Werner; Ruppert, Dieter; and Scholkens, Bernward, 4,855,286, Cl. 514-19.000.
- Kleemann, Karl-Heinz: *See—*
  - Trager, Heiner; Kleemann, Karl-Heinz; Reifferscheid, Karl J.; and Gumbinger, Dieter H., 4,867,227, Cl. 164-59.100.
- Kleemann, Robert: *See—*
  - Keppler, Rainer; and Kleemann, Robert, 4,846,015, Cl. 74-665.0GC.
- Kleemann, Stephan; and Ehret, Werner, to Benckiser-Knapsack GmbH. Process for the preparation of vinyldiphosphonic acid and salts thereof. 4,828,766, 5-9-89, Cl. 260-502.40P.
- Kleemann, Stephan G.; and Claus, Guenter, to Benckiser-Knapsack GmbH. Copper-containing polymers, a process for their preparation and their use as fungicides. 4,851,557, 7-25-89, Cl. 556-110.000.
- Kleen, Berend: *See—*
  - Charton, Rene; and Kleen, Berend, 4,859,942, Cl. 324-208.000.
- Kleentek Industrial Co., Ltd.: *See—*
  - Sasaki, Akira; Uchiyama, Shinji; and Nagata, Yoshihisa, 4,810,387, Cl. 210-634.000.
- Klees, David A.; Hoganson, Robert B.; and Data, Harry L., to AMSTED Industries Incorporated. Rope with fiber core and method of forming same. 4,887,422, 12-19-89, Cl. 57-220.000.
- Klees, Garry W., to Boeing Company, The. Plug-type exhaust nozzle having a variable centerbody and translating shroud. 4,802,629, 2-7-89, Cl. 239-265.190.
- Klees, Robert M.: *See—*
  - Eisner, William; Hoban, Thomas W.; Klees, Robert M.; and Smith, Richard L., 4,823,139, Cl. 342-15.000.
- Klefbeck, Robert J. Energy efficient cork extractor. 4,836,060, 6-6-89, Cl. 81-3.290.
- Kleffner, Hans W.: *See—*
  - Orth, Winfried; Weiss, Wolfgang; and Kleffner, Hans W., 4,865,620, Cl. 8-420.000.
- Klei, Ebel: *See—*
  - Kinneberg, Peter A.; Armer, Thomas A.; van Breen, Adriaan W.; Barton, Roger E. C.; and Klei, Ebel, 4,880,904, Cl. 528-392.000.
  - Van Broekhoven, Johannes A. M.; Drent, Eit; Klei, Ebel; and Nozaki, Kenzie, 4,868,282, Cl. 528-392.000.
  - Van Broekhoven, Johannes A. M.; Drent, Eit; Klei, Ebel; and Nozaki, Kenzie, 4,880,903, Cl. 528-392.000.
- Kleijn, Jan B.: *See—*
  - Edelman, Arie B. C.; Kleijn, Jan B.; de Haas, Maarten A.; and Hoogendoorn, Thomas M., 4,838,955, Cl. 148-2.000.
- Kleijn, Willem B.: *See—*
  - Bronson, Edward C.; Hartwell, Walter T.; Kleijn, Willem B.; and Prezas, Dimitrios P., 4,797,926, Cl. 381-36.000.
- Kleijne, Theodoor A., to NCR Corporation. Security device for sensitive data. 4,807,284, 2-21-89, Cl. 380-3.000.
- Kleijne, Theodoor A.; de Bruin, Johannes A. J.; and Goossens, Jan B., to NCR Corporation. Data security device for protecting stored data. 4,811,288, 3-7-89, Cl. 365-52.000.
- Kleim, Karl-Heinz; and Uebel, Lutz, to Man Gutehoffnungshutte GMBH. Multi-unit rail vehicle for commuter traffic. 4,867,072, 9-19-89, Cl. 105-133.000.
- Klein, Andre: *See—*
  - Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Truchot, Jean-Marc, 4,849,083, Cl. 204-206.000.
  - Colin, Gerard R.; Klein, Andre; Leclercq, Alain; and Mara, Patrick, 4,806,222, Cl. 204-206.000.
- Klein, Arno, to Labex GmbH. Suspension system for folding door. 4,852,628, 8-1-89, Cl. 160-199.000.
- Klein, Dan. Textile or fabric and method of production. 4,814,585, 3-21-89, Cl. 219-545.000.
- Klein, Darin D.: *See—*
  - Klein, Darrel J., 4,833,869, Cl. 56-220.000.
- Klein, Darrel J., to Klein, Darin D. Grain deflector for combine harvester. 4,833,869, 5-30-89, Cl. 56-220.000.
- Klein, David C. Test tube cassette system and cassettes for use therein. 4,877,134, 10-31-89, Cl. 206-443.000.
- Klein, Edmond: *See—*
  - Stevance, Jean; Klein, Edmond; and Lleti, Georges, 4,847,571, Cl. 331-96.000.
- Klein, Edward. Modular communications jack lock. 4,870,640, 10-3-89, Cl. 70-57.000.
- Klein, Elmer M.: *See—*
  - Campisi, Carl; Kaliszek, Andrew; Klein, Elmer M.; Schmid, Richard G.; and Bradfish, Thomas J., 4,817,272, Cl. 29-741.000.

Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, to Chrysler Motors Corporation. Lens structure for a combined radio/audio tape cassette player or the like. 4,874,110, 10-17-89, Cl. 220-241.000.

Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, to Chrysler Motors Corporation. Lens structure for a vehicle radio or the like. 4,884,870, 12-5-89, Cl. 350-319.000.

Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, to Chrysler Motors Corporation. Lens structure for a combined radio/audio tape cassette player or the like. 4,884,872, 12-5-89, Cl. 350-321.000.

Klein, Frederick F.; and Mutone, Gioacchino A., to United States of America, Energy. Digital gate pulse generator for cycloconverter control. 4,819,148, 4-4-89, Cl. 363-161.000.

Klein, Frederick F., to United States of America, Energy. Digital slip frequency generator and method for determining the desired slip frequency. 4,819,179, 4-4-89, Cl. 364-484.000.

Klein, Gerald I.: *See—*

Stitzer, Steven N.; Adam, John D.; and Klein, Gerald I., 4,845,439, Cl. 333-17.200.

Klein, Gerald R. Apparatus for conditioning artificial flies and leaders. 4,796,372, 1-10-89, Cl. 43-4.000.

Klein, Gerhard; and Arlt, Dieter, to Bayer Aktiengesellschaft. Diisocyanates and their use for the preparation of polyurethanes. 4,835,239, 5-30-89, Cl. 528-44.000.

Klein, Gerhard: *See—*

Halpaap, Reinhard; Klein, Gerhard; Richter, Roland; Muller, Hanns P.; Pedain, Josef; and Kreuder, Hans-Joachim, 4,851,531, Cl. 544-222.000.

Reiners, Jurgen; Podszun, Wolfgang; Winkel, Jens; Suling, Carlhans; and Klein, Gerhard, 4,879,402, Cl. 560-26.000.

Klein, Han-Christof, to Alfred Teves GmbH. Brake slip-controlled dual circuit vehicle brake system. 4,848,848, 7-18-89, Cl. 303-115.000.

Klein, Hans-Christof, to Alfred Teves GmbH. Vehicular hydraulic brake system for an automotive vehicle with hydraulic level adjustment at one wheel axle. 4,807,940, 2-28-89, Cl. 303-100.000.

Klein, Hans-Christof, to Alfred Teves GmbH. Braking pressure modulator. 4,822,114, 4-18-89, Cl. 303-115.000.

Klein, Hans-Christof, to Alfred Teves GmbH. Brake system for automotive vehicles. 4,828,331, 5-9-89, Cl. 303-31.000.

Klein, Hans-Christof; and Drott, Peter, to Alfred Teves GmbH. Power steering device for parking. 4,838,376, 6-13-89, Cl. 180-142.000.

Klein, Hans-Christof, to Alfred Teves GmbH. Brake cylinder-piston slave unit seal having radial roll-back protrusion for piston spring back retract. 4,858,516, 8-22-89, Cl. 92-240.000.

Klein, Hans-Christof, to Alfred Teves GmbH. Brake-slip-controlled automotive vehicle brake system. 4,869,559, 9-26-89, Cl. 303-110.000.

Klein, Hans-Christof; and Lohberg, Peter, to Alfred Teves GmbH. Thermally checking the state or the condition of a hydraulic fluid. 4,869,596, 9-26-89, Cl. 374-27.000.

Klein, Hans-Christof: *See—*

Belart, Juan; and Klein, Hans-Christof, 4,819,996, Cl. 303-114.000.

Klein, Hans J.: *See—*

Hodl, Otto; and Klein, Hans J., 4,863,150, Cl. 269-56.000.

Klein, Hans-Wilhelm: *See—*

Aicher, Max; Jungwirth, Dieter; Klein, Hans-Wilhelm; and Russwurm, Dieter, 4,877,463, Cl. 148-12.00B.

Klein, Harold S.; and Lehman, Marcus S., to Liberty Diversified Industries. Split back mail sorter. 4,795,042, 1-3-89, Cl. 211-186.000.

Klein, Henry: *See—*

Kondziolka, Stanley; and Klein, Henry, 4,885,700, Cl. 364-519.000.

Kondziolka, Stanley F.; and Klein, Henry, 4,882,688, Cl. 364-519.000.

Klein, Herbert: *See—*

Steinleitner, Gunther; Mennicke, Stefan; Feindler, Philbert; Klein, Herbert; and Maldonado-Zagal, Sigisfredo, 4,853,303, Cl. 429-104.000.

Klein, Horst: *See—*

Rocholl, Hans; and Klein, Horst, 4,833,975, Cl. 92-63.000.

Rocholl, Hans; and Klein, Horst, 4,865,166, Cl. 188-196.00D.

Klein, Howard P.; and Brennan, Michael E., to ARCO Chemical Technology, Inc. Urea catalyst for preparation of sucrose polyols useful for rigid polyurethane foams. 4,820,810, 4-11-89, Cl. 536-4.100.

Klein, Howard P.; and Cuscurida, Michael, to Texaco Chemical Company. Preparation of polyoxyalkylene glycol amines. 4,888,446, 12-19-89, Cl. 564-478.000.

Klein, Igal: *See—*

Grunwald, John J.; Klein, Igal; and Whitmore, Bryan, 4,800,132, Cl. 428-560.000.

Klein, Itzhak: *See—*

Bodenheimer, Joseph S.; Klein, Itzhak; and Levi, Yehuda L., 4,806,013, Cl. 356-133.000.

Klein, James D., to Atlantic Richfield Company. Telluric noise cancellation in induced polarization prospecting. 4,812,766, 3-14-89, Cl. 324-362.000.

Klein, James D.: *See—*

Gard, Michael F.; Kingman, John E. E.; and Klein, James D., 4,837,518, Cl. 324-368.000.

Klein, James E., to Hughes Aircraft Company. Optical sensing system. 4,864,137, 9-5-89, Cl. 250-343.000.

Klein, Jean-Claude: *See—*

Meyer, Fernand; and Klein, Jean-Claude, 4,809,348, Cl. 382-49.000.

Klein, Jean M.: *See—*

Oberle, Edmond M.; and Klein, Jean M., 4,848,482, Cl. 172-54.500.

Oberle, Edmond M.; and Klein, Jean M., 4,856,598, Cl. 172-54.500.

Klein, Jeffrey L.; Poon, Stephen S.; Swenson, Mark S.; and Madan, Sudhir K., to Motorola, Inc. Method of forming layered polysilicon filled contact by doping sensitive endpoint etching. 4,829,024, 5-9-89, Cl. 437-189.000.

Klein, Jerome R.: *See—*

Streifer, William; Scifres, Donald R.; and Klein, Jerome R., 4,862,802, Cl. 102-201.000.

Klein, Joachim; Behrens, Wolfgang; and Kunz, Markwart, to Sueddeutsche Zucker-Aktiengesellschaft. Isomaltamines and their N-acyl derivatives, methods for their production, and their uses as surfactants and monomers. 4,843,154, 6-27-89, Cl. 536-4.100.

Klein, Joachim; Vorlop, Klaus-Dieter; and Becke, Jurgen W., to Dr. W. Ingold AG. Measuring probe for determining volatile consitituents in a liquid medium. 4,869,873, 9-26-89, Cl. 422-51.000.

Klein, Joseph T.: *See—*

Effland, Richard C.; and Klein, Joseph T., 4,806,554, Cl. 514-338.000.

Effland, Richard C.; and Klein, Joseph T., 4,840,972, Cl. 514-313.000.

Effland, Richard C.; Klein, Joseph T.; Davis, Larry; and Olsen, Gordon E., 4,868,190, Cl. 514-278.000.

Effland, Richard C.; and Klein, Joseph T., 4,880,822, Cl. 514-339.000.

Hamer, R. Russell; Effland, Richard C.; and Klein, Joseph T., 4,800,203, Cl. 514-248.000.

Hamer, R. Russell L.; Effland, Richard C.; and Klein, Joseph T., 4,883,794, Cl. 514-248.000.

Klein, Klaus; Pollmann, Kurt; Schettler, Helmut; Schulz, Uwe; Wagner, Otto M.; and Zuehlke, Rainer, to International Business Machines Corporation. Method for physical VLSI-chip design. 4,890,238, 12-26-89, Cl. 364-491.000.

Klein, Klaus: *See—*

Mauch, Richard; and Klein, Klaus, 4,834,615, Cl. 415-213.100.

Klein, Klausjorg: *See—*

Saatweber, Dietrich; Patzschke, Hans-Peter; Hendrikx, Georg; and Klein, Klausjorg, 4,865,704, Cl. 204-181.700.

Klein, Lutz; Panofski, Ernst; Eckstein, Gerd-Otto; Schmidt, Hans; and Plischke, Josef, to Patent Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. Method of making a discharge vessel for compact low-pressure discharge lamps. 4,801,323, 1-31-89, Cl. 65-108.000.

Klein, Lutz; and Panofski, Ernst, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen mbH. Method of making a unitary tubular generally U-shaped discharge vessel, particularly for compact fluorescent lamps. 4,830,648, 5-16-89, Cl. 65-54.000.

Klein, Lutz; Panofski, Ernst; and Kastl, Roland, to Patent Treuhand Gesellschaft fur elektrische Gluhlampen mbH. Multiple-tube compact low-pressure discharge fluorescent lamp. 4,853,591, 8-1-89, Cl. 313-493.000.

Klein, Mathew M. Assembly of clip and door frame members. 4,809,469, 3-7-89, Cl. 52-32.000.

Klein Meuleman, Peter; and La Vos, Peter G., to Oce-Nederland B.V. Printing device having a rotatable image-receiving support. 4,860,035, 8-22-89, Cl. 346-157.000.

Klein, Michael: *See—*

Kaltbeitzel, Gunter; Klein, Michael; Renner, Martin; and Wolk, Joachim, 4,881,229, Cl. 371-20.400.

Klein, Michael V.: *See—*

Sacco, Bruno; Gallitzendorfer, Josef; Klein, Michael V.; Janz, Gerhard; and Ernst, Alfred, 4,805,962, Cl. 297-454.000.

Klein, Nathan: *See—*

Willer, Rodney L.; Cunkle, Glen T.; and Klein, Nathan, 4,878,968, Cl. 149-45.000.

Klein, Peter: *See—*

Banziger, Fritz A.; and Klein, Peter, 4,799,263, Cl. 381-94.000.

Beckhaus, Heiko; Witt, Harro; and Klein, Peter, 4,857,281, Cl. 423-531.000.

Klein, Richard J., to [illegible]tton Industrial Automation Systems, Inc. Tool head changer and drive mechanism. 4,847,978, 7-18-89, Cl. 29-568.000.

Klein, Richard K.: *See—*

Dixit, Pankaj; Sliwa, Jack; Klein, Richard K.; Sander, Craig S.; and Farnaam, Mohammad, 4,884,123, Cl. 357-71.000.

Klein, Richard S. Endoscope for preventing patient contamination. 4,809,678, 3-7-89, Cl. 128-4.000.

Klein, Robert. Drying center. 4,856,206, 8-15-89, Cl. 34-151.000.

Klein, Roy W.: *See—*

Arcilesi, Donald A.; and Klein, Roy W., 4,814,205, Cl. 427-305.000.

Klein, Rudi: *See—*

Schinkel, Ingo; and Klein, Rudi, 4,830,918, Cl. 428-349.000.

Klein, Rudolf, to C. Voigt Sohne GmbH & Co. Coating method. 4,857,368, 8-15-89, Cl. 427-393.000.

Klein, Schanzlin & Becker Aktiengesellschaft: *See—*

Bauer, Gerd H.; Gorisch, Armin; Hartmuller, Herbert; Meyer, Gerhard; Nicklas, Alexander; Prokasky, Detlef; and Schill, Jurgen, 4,799,857, Cl. 415-185.000.

Bauer, Gerd H.; Feldle, Gunter; Hartmuller, Herbert; Luhn, Ernst; Nicklas, Alexander; and Schuster, Oliver, 4,828,457, Cl. 415-182.100.

Heumann, Anton, 4,806,078, Cl. 416-186.00R.

Kalvoda, Franz X., 4,834,559, Cl. 384-118.000.

Klein, Scott I.: *See—*

Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,857,517, Cl. 514-161.000.

Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,859,683, Cl. 514-299.000.

Klein, Siegfried, to Commissariat a L'Energie Atomique; and Klein, Siegfried. Visual apparatus. 4,842,400, 6-27-89, Cl. 351-158.000.

Klein, Siegfried, to Klein, Siegfried; and Commissariat a l'Energie Atomique. Wide pass band elastic wave omnidirectional transducer. 4,862,430, 8-29-89, Cl. 367-168.000.

Klein, Sigismund; and Schulz, Reiner, to Siemens Aktiengesellschaft. X-ray detector system. 4,856,041, 8-8-89, Cl. 378-147.000.

Klein Tools Corporation: *See—*

Theros, Brian S., 4,872,551, Cl. 206-349.000.

Klein Tools Inc.: *See—*

Simpson, David H., 4,884,589, Cl. 135-117.000.

Klein, Wilfried. Sprinkler or fire-extinguishing nozzle. 4,800,961, 1-31-89, Cl. 169-37.000.

Klein, Willem: *See—*

Rook, Cornelis; and Klein, Willem, 4,856,976, Cl. 425-320.000.

Rook, Cornelis; and Klein, Willem, 4,886,633, Cl. 264-219.000.

Kleinberg, Israel; and Sreebny, Leo M., to Research Foundation of State University of New York, The. Salivary stimulant. 4,820,506, 4-11-89, Cl. 424-40.000.

Kleinberg, Larry K., to Storz Instrument Company. Documentation illumination module. 4,856,873, 8-15-89, Cl. 350-502.000.

Kleinberg, Leonard L., to United States of America, National Aeronautics and Space Administration. Crystal oscillators using negative voltage gain, single pole response amplifiers. 4,862,114, 8-29-89, Cl. 331-158.000.

Kleinberg, Leonard L., to United States of America, Administrator, National Aeronautics and Space Administration. Reflection oscillators employing series resonant crystals'. 4,873,498, 10-10-89, Cl. 331-116.0FE.

Kleinberg, Marvin H.: *See—*

Gotman, Alexander S., 4,869,139, Cl. 81-475.000.

Gotman, Alexander S., 4,874,275, Cl. 411-5.000.

Kleinberg, Robert L.; Dudley, Donald G.; Chew, Weng C.; and Clark, Brian, to Schlumberger Technology Corporation. Apparatus for microinductive investigation of earth formations. 4,845,433, 7-4-89, Cl. 324-338.000.

Kleinberg, Robert L.; Clark, Brian; Chew, Weng C.; and Mariani, David, to Schlumberger Technology Corp. Induction well logging apparatus with transformer coupled phase sensitive detector. 4,857,852, 8-15-89, Cl. 324-339.000.

Kleinberg, William T.: *See—*

Thorogood, Robert M.; and Kleinberg, William T., 4,869,883, Cl. 423-219.000.

Kleindienst GmbH Firma: *See—*

Eck, Werner, 4,856,302, Cl. 68-27.000.

Kleine, Herbert, to Gewerkschaft Eisenhutte Westfalia GmbH. Propulsion systems for mineral mining machines. 4,819,989, 4-11-89, Cl. 299-43.000.

Kleine-Homann, Walter, to Huls Aktiengesellschaft. Preparation of pure 2,2-dimethyl-1,3-propanediol. 4,814,509, 3-21-89, Cl. 568-854.000.

Kleine-Moellhoff, Peter: *See—*

Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,814,146, Cl. 422-179.000.

Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,859,428, Cl. 422-179.000.

Kleine, Peter; and Wechsler, Klaus, to Siemens Aktiengesellschaft. Housing for a chip card reader. 4,884,710, 12-5-89, Cl. 220-4.00R.

Kleine, Peter: *See—*

Awakowicz, Erwin; and Kleine, Peter, 4,819,266, Cl. 379-454.000.

Kleine, Volker: *See—*

Rolker, Jurgen; Doerfler, Peter; Kleine, Volker; and Meyknecht, Johannes, 4,825,198, Cl. 340-605.000.

Kleine, Werner, to Gebruder Heller GmbH. Werkzeugfabrik. Drill bit for hand drills. 4,840,519, 6-20-89, Cl. 408-226.000.

Kleine, Willi; Frey, Werner; and Daweritz, Albrecht, to Wacker-Chemie GmbH. Polymerization reactor provided with coating that suppresses polymer deposit formation. 4,880,885, 11-14-89, Cl. 526-62.000.

Kleinebenne, Dieter, to Ernest Kleinebenne. Pedal-driven vehicle. 4,846,489, 7-11-89, Cl. 280-261.000.

Kleineberg, Wolfgang: *See—*

Scheurenbrand, Dieter; Wawra, Helmut; and Kleineberg, Wolfgang, 4,842,006, Cl. 137-202.000.

Wawra, Helmut; Scheurenbrand, Dieter; and Kleineberg, Wolfgang, 4,799,509, Cl. 137-587.000.

Kleineisel, Gustav, to Linde Aktiengesellschaft. Assembly of a primary power source and several axial piston pumps flanged on it. 4,854,826, 8-8-89, Cl. 417-269.000.

Kleinekathofer, Wolfgang: *See—*

Buhl, Horst; Kleinekathofer, Wolfgang; and Tank, Eggert, 4,811,701, Cl. 123-188.0AA.

Kleinemas, Harald. Levelling device for producing a smooth surface. 4,810,128, 3-7-89, Cl. 404-97.000.

Kleiner, Frank: *See—*

Eckhardt, Volker; Dicke, Hans-Rudolf; Hammerschmidt, Erich; Bottenbruch, Ludwig; Kleiner, Frank; and Blank, Heinz-Ulrich, 4,835,243, Cl. 528-176.000.

Kleiner, Hans-Jerg; and Weiss, Erwin, to Hoechst Aktiengesellschaft. Process for the preparation of bifunctional tertiary aromatic phosphine oxides. 4,816,605, 3-28-89, Cl. 568-14.000.

Kleiner, Hans-Jerg, to Hoechst Aktiengesellschaft. Process for the preparation of alkanephosphonous acids. 4,839,105, 6-13-89, Cl. 260-502.40R.

Kleiner, Hans-Jerg, to Hoechst Aktiengesellschaft. Process for the preparation of aminocarbonylmethanoic acids of phosphorus. 4,886,628, 12-12-89, Cl. 56-15.000.

Kleiner, Hans-Jerg, to Hoechst Aktiengesellschaft. Process for the preparation of aromatic phosphorus-chlorine compounds. 4,889,661, 12-26-89, Cl. 562-815.000.

Kleiner, Hans-Jerg: *See—*

Brindopke, Gerhard; Walz, Gerd; Waldmann, Karl; Schon, Manfred; and Kleiner, Hans-Jerg, 4,871,822, Cl. 526-271.000.

Gerdau, Thomas; Kleiner, Hans-Jerg; and Pawlowski, Georg, 4,859,795, Cl. 564-12.000.

Pawlowski, Georg; and Kleiner, Hans-Jerg, 4,839,254, Cl. 430-175.000.

Pawlowski, Georg; Kleiner, Hans-Jerg; and Gerdau, Thomas, 4,859,562, Cl. 430-175.000.

Weiss, Erwin; and Kleiner, Hans-Jerg, 4,847,419, Cl. 568-14.000.

Kleiner, Horst: *See—*

Klie, Wolfgang; Fischer, Wolfgang; Tomforde, Johann; Kleiner, Horst; and Ellenrieder, Gunther, 4,826,226, Cl. 293-120.000.

Kleiner, Julian: *See—*

Parker, Lorne A.; Hanrahan, Steven R.; and Kleiner, Julian, 4,851,931, Cl. 360-15.000.

Kleiner, Lothar; and Matthiesen, Martin, to Raychem Corporation. Electrical devices containing conductive polymers. 4,800,253, 1-24-89, Cl. 219-553.000.

Kleinerman, Ben. Simultaneous audio and video transmission with restricted bandwidth. 4,849,811, 7-18-89, Cl. 358-133.000.

Kleinerman, George J.; and Woodcock, John M., to Porvair Limited. Gloves. 4,888,829, 12-26-89, Cl. 2-167.000.

Kleinert, Walter: *See—*

Mueller, Michael; and Kleinert, Walter, 4,835,196, Cl. 523-334.000.

Kleinevoss, Albert; and Kopia, Jochen, to Didier-Werke AG. Composite refractory member. 4,842,172, 6-27-89, Cl. 222-600.000.

Kleinewefers GmbH: *See—*

Hutter, Egon; and Hartwich, Gerhard, 4,867,055, Cl. 100-173.000.

Pav, Josef, 4,805,279, Cl. 29-116.200.

Pav, Josef; and Wenzel, Reinhard, 4,813,349, Cl. 100-162.00B.

Pav, Josef; and Wenzel, Reinhard, 4,827,584, Cl. 29-116.200.

Pav, Josef; and Wenzel, Reinhard, 4,848,119, Cl. 72-20.000.

Svenka, Peter; and Rauf, Richard, 4,852,209, Cl. 15-308.000.

Kleinfeld, Neil D.: *See—*

Pensavecchia, Frank; Morrison, John R.; and Kleinfeld, Neil D., 4,828,416, Cl. 400-624.000.

Kleinhammer, Gerd: *See—*

Haug, Harald; Kleinhammer, Gerd; and Mattersberger, Johann, 4,843,001, Cl. 435-7.000.

Kleinhans, Josef, to Robert Bosch GmbH. Circuit arrangement with a flow-measuring probe operated in a bridge circuit. 4,807,470, 2-28-89, Cl. 73-204.150.

Kleinhans, Kenneth L., to Brunswick Corporation. Automatic priming system for a marine engine. 4,803,963, 2-14-89, Cl. 123-187.50R.

Kleinhans, Siegfried, to Siemens Aktiengesellschaft. Refiner for processing fiber material. 4,813,621, 3-21-89, Cl. 241-261.200.

Kleinhans, Siegfried, to Siemens Aktiengesellschaft. Electric machine with a closed cooling loop. 4,845,394, 7-4-89, Cl. 310-64.000.

Kleinholz, Edward O. Pneumatic fastener-driving tool and method. 4,867,366, 9-19-89, Cl. 227-66.000.

Kleinhuizen, David W. Soil grading apparatus with sifting and transporting capability. 4,886,124, 12-12-89, Cl. 172-32.000.

Kleinke, Kenneth E.: *See—*

Schuelke, David J.; Barnard, Randy H., III; and Kleinke, Kenneth E., 4,832,152, Cl. 181-290.000.

Kleinlein, Herbert; Bratenstein, Ernst; and Gartner, Friedrich. Magnetic-tape apparatus. 4,814,912, 3-21-89, Cl. 360-96.300.

Kleinman, Bennett; Kleinman, Calvin; and Coe, Robert P., to Bennett X-Ray Corp. Auto-setting of KV in an x-ray machine after selection of technic factors. 4,819,258, 4-4-89, Cl. 378-111.000.

Kleinman, Calvin: *See—*

Kleinman, Bennett; Kleinman, Calvin; and Coe, Robert P., 4,819,258, Cl. 378-111.000.

Kleinman, Edward M. Methods and apparatus for shaping workpieces. 4,848,428, 7-18-89, Cl. 144-372.000.

Kleinman, Hynda K.; and Martin, George R., to United States of America, Health and Human Services. Reconstituted basement membrane complex with biological activity. 4,829,000, 5-9-89, Cl. 435-240.230.

Kleinnibbelink, Frits. Alpine skiing training device. 4,846,463, 7-11-89, Cl. 272-97.000.

Kleinsasser, Alan W.: *See—*

Jackson, Thomas N.; Kleinsasser, Alan W.; and Woodall, Jerry M., 4,860,067, Cl. 357-16.000.

Kleinschmidt, Alfred: *See—*

Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.

Kleinschmidt, Eric W.; Kloss, Thomas M., Jr.; and Bell, William R., to Gila River Products, Inc. Materials for laminating flexible printed circuits. 4,861,648, 8-29-89, Cl. 428-40.000.

Kleinschmidt, Johann O., to Union Special, GmbH. Device to stop lubricant flow on a feed dog carrier of a sewing machine. 4,809,628, 3-7-89, Cl. 112-323.000.

Kleinschmidt, Lothar; Wallroth, Carl-Friedrich; and Waschmann, Michael, to Dragerwerk Aktiengesellschaft. Device for controlling respirating gas in an anaesthesia or respiratory apparatus. 4,846,169, 7-11-89, Cl. 128-205.240.

- Kleinschmidt, Peter: *See—*
  - Reinehr, Ulrich; Druschke, Frank; and Kleinschmidt, Peter, 4,810,449, Cl. 264-182.000.
- Kleinschmit, Einhard: *See—*
  - Gutfleisch, Siegfried; Hopsch, Gerhard; and Kleinschmit, Einhard, 4,886,481, Cl. 464-162.000.
- Kleinschmit, Peter: *See—*
  - Baacke, Michael; Deller, Klaus; Kleinschmit, Peter; and Koberstein, Edgar, 4,861,937, Cl. 585-640.000.
  - Deschler, Ulrich; Michel, Rudolf; Kleinschmit, Peter; and Wolff, Siegfried, 4,835,297, Cl. 556-427.000.
  - Deschler, Ulrich; Hellwig, Georg; Michel, Rudolf; Kleinschmit, Peter; and Wolff, Siegfried, 4,837,322, Cl. 544-209.000.
  - Kiss Akos; Kleinschmit, Peter; Volker, Werner; and Halbritter, Gunter, 4,806,268, Cl. 252-331.40F.
  - Kiss, Akos; Kleinschmit, Peter; Hanich, Juergen; Halbritter, Guenter; and Horst, Jenny, 4,874,433, Cl. 106-450.000.
  - Lotze, Marion; and Kleinschmit, Peter, 4,889,769, Cl. 428-432.000.
  - Panster, Peter; Koenig, Karl-Heinz; Schopenhauer-Gehrmann, Elske; and Kleinschmit, Peter, 4,851,492, Cl. 528-9.000.
  - Panster, Peter; Grethe, Horst; and Kleinschmit, Peter, 4,855,470, Cl. 556-421.000.
- Kleinschroth, Karl-Heinz: *See—*
  - Queiser, Horst; Meininger, Siegfried; Kleinschroth, Karl-Heinz; and Bege, Dietmar, 4,847,007, Cl. 252-628.000.
- Kleinstuber, John F.: *See—*
  - Damus, Diane; and Kleinstuber, John F., 4,856,912, Cl. 383-4.000.
- Kleis, Hansjorg: *See—*
  - Schnebel, Gerhard; Kleis, Hansjorg; and Gfrorer, Ralf, 4,835,451, Cl. 318-696.000.
- Kleiser, Charles M.; and Gala, Mahen S., to SPS Technologies, Inc. Blind fastener installation tool and modified fastener. 4,807,498, 2-28-89, Cl. 81-56.000.
- Kleist, Robert A.: *See—*
  - Gutierrez, Antonio; and Kleist, Robert A., 4,839,070, Cl. 252-51.50A.
  - Gutierrez, Antonio; Lundberg, Robert D.; Kleist, Robert A.; and Bloch, Ricardo, 4,839,071, Cl. 252-51.50A.
  - Gutierrez, Antonio; and Kleist, Robert A., 4,839,072, Cl. 252-51.50A.
  - Gutierrez, Antonio; Emert, Jacob; Kleist, Robert A.; and Waddoups, Malcolm, 4,839,073, Cl. 252-51.50A.
- Kleitz, Jean-Pierre; and Mertzeisen, Piere H. A., to BASF Aktiengesellschaft. Conductive foams. 4,888,134, 12-19-89, Cl. 252-511.000.
- Kleiven, Atle: *See—*
  - Haughland, Tor-Avid; Kleiven, Atle; and Selvaer, Ole K., 4,860,264, Cl. 367-17.000.
- Klekamp, Mark S.: *See—*
  - Feldman, Fred; Klekamp, Mark S.; Hrinda, Michael E.; Shaw, Arthur B.; and Chandra, Sudhish, 4,876,241, Cl. 514-2.000.
- Klekotka, James E.; and Dilley, David L., to Motorola, Inc. High speed programmable frequency divider and PLL. 4,856,032, 8-8-89, Cl. 377-47.000.
- Kleks, Jonathan A., to TRW Inc. Switched impedance comparator. 4,814,642, 3-21-89, Cl. 307-350.000.
- Klem, David C., to Epsilon Technology, Inc. Apparatus and method for automated wafer handling. 4,813,732, 3-21-89, Cl. 294-103.100.
- Klem, John: *See—*
  - Morkoc, Hadis; Klem, John; Masselink, William T.; Henderson, Timothy S.; and Ketterson, Andrew A., 4,827,320, Cl. 357-22.000.
- Klem, Robert E.: *See—*
  - Harvey, Richard D.; and Klem, Robert E., 4,799,964, Cl. 106-436.000.
- Klemann, Lawrence P.; and Finley, John W., to Nabisco Brands, Inc. Low calorie fat mimetics comprising carboxy/carboxylate esters. 4,830,787, 5-16-89, Cl. 260-410.000.
- Klemann, Lawrence P.; Finley, John W.; and Scimone, Anthony, to Nabisco Brands, Inc. Synthesis of sucrose polyester. 4,877,871, 10-31-89, Cl. 536-124.000.
- Klemann, Lawrence P.: *See—*
  - Huhn, Stephen D.; Given, Peter S., Jr.; and Klemann, Lawrence P., 4,888,195, Cl. 426-601.000.
- Klemarczyk, Philip, to Loctite Corporation. Curable siloxane maleimide composition. 4,806,608, 2-21-89, Cl. 526-262.000.
- Klemens, Harald, to Heilmeier & Weinlein, Fabrik fur Oel-Hydraulik GMBH & Co. KG. Switching valve having hydraulic self-holding properties. 4,848,390, 7-18-89, Cl. 137-116.000.
- Klement, Ekkehard; Schneider, Hartmut; Karstensen, Holger; and Zrschizky, Helmut, to Siemens Aktiengesellschaft. Birefringent optical waveguide structure having a strip waveguide buried in a cladding layer and the method of manufacturing. 4,889,401, 12-26-89, Cl. 350-96.120.
- Klement, Ekkehard: *See—*
  - Karstensen, Holger; and Klement, Ekkehard, 4,871,224, Cl. 350-96.150.
- Klement, Johann: *See—*
  - Hammerl, Gunter; Lintner, Kurt; Krautscheid, Josef; and Klement, Johann, 4,870,546, Cl. 362-92.000.
- Klemic, Frank, Jr. Concrete anchor bolt setting device. 4,872,298, 10-10-89, Cl. 52-127.100.
- Klemm, Eberhard: *See—*
  - Papenhagen, Dieter; Klemm, Eberhard; and Steilner, Aurel, 4,846,012, Cl. 74-512.000.
- Klemm, Ernest J.: *See—*
  - Edman, Walter W.; and Klemm, Ernest J., 4,798,722, Cl. 424-72.000.
- Klemm, Gunter, to Ing. Gunter Klemm Spezialunternehmen fur Bohrtechnik. Superposed drilling device. 4,840,238, 6-20-89, Cl. 175-92.000.
- Klemm, Manfred: *See—*
  - Koch, Klaus; and Klemm, Manfred, 4,839,485, Cl. 219-10.55A.
- Klemm, Robert E.; and Lehnhardt, Gary D., to Construction Forms, Inc. Semi-liquid cementitious spray nozzle apparatus. 4,796,814, 1-10-89, Cl. 239-430.000.
- Klemmensen, Ramon L., to Amana Refrigeration, Inc. Shut-off mechanism for ice maker. 4,872,318, 10-10-89, Cl. 62-137.000.
- Klemmensen, Ramon L.: *See—*
  - Goetz, Glenn E.; Prunty, Jeffrey L.; and Klemmensen, Ramon L., 4,843,835, Cl. 62-285.000.
- Klemmer, Herbert: *See—*
  - Senft, Ernst; Klemmer, Herbert; and Schefscik, Nikolaus, 4,822,228, Cl. 411-519.000.
  - Senft, Ernst; Klemmer, Herbert; Uhl, Ullrich; Naumann, Emil; and Schefcsik, Nikolaus, 4,889,007, Cl. 74-506.000.
- Klemmer, Robert A.; and Wright, Steven F., to Molex Incorporated. Component feeder apparatus and method for vision-controlled robotic placement system. 4,810,154, 3-7-89, Cl. 414-222.000.
- Klemmer, Wolfram; and Kirschenstein, Reinhard, to Robert Bosch GmbH. Method and circuit for nonlinear transmission-processing of a video signal. 4,797,744, 1-10-89, Cl. 358-164.000.
- Klemmer, Wolfram: *See—*
  - Eschelbach, Harald; and Klemmer, Wolfram, 4,879,593, Cl. 358-51.000.
- Klemola, Aarno; and Tuovinen, Juhani, to Yhtyneet Paperitehtaat Oy Jylhavaara. Method for the production of vanillin. 4,847,422, 7-11-89, Cl. 568-438.000.
- Klemow, Jerry R. Spark plug wire hanger device. 4,863,020, 9-5-89, Cl. 206-328.000.
- Klendworth, Douglas: *See—*
  - McDaniel, Max P.; Klendworth, Douglas; Norwood, Donald D.; Hsieh, Eric T.; and Boggs, Elizabeth A., 4,820,785, Cl. 526-105.000.
- Klenk, Adolf; Hollenberg, Detlef; and Hoeffkes, Horst, to Henkel Kommanditgesellschaft auf Aktien. Hair permanent-waving method and aftertreatment composition. 4,834,971, 5-30-89, Cl. 424-70.000.
- Klenk, Herbert: *See—*
  - Kleemann, Axel; Klenk, Herbert; Huthmacher, Klaus; and Mox, Dieter, 4,824,987, Cl. 558-348.000.
- Klenk, Walter, to Maschinenfabrik Muller-Weingarten AG. Method and apparatus for damping pressure peaks occurring at the end of the mold filling phase in pressure casters. 4,832,109, 5-23-89, Cl. 164-312.000.
- Klenter, Otto; and Burk, Klaus, to Hoechst Aktiengesellschaft. End wall of moldable material for a wound roll. 4,877,133, 10-31-89, Cl. 206-416.000.
- Klenter, Otto; and Burk, Klaus, to Hoechst Aktiengesellschaft. End wall of moldable material for a wound roll. 4,884,690, 12-5-89, Cl. 206-416.000.
- Kleppe, John A.: *See—*
  - Nuspl, Steven P.; Szmania, Edmund P.; Kleppe, John A.; and Norton, Peter R., 4,848,924, Cl. 374-119.000.
- Kleppinger, Lerue C., Jr.: *See—*
  - Johnson, William G.; and Kleppinger, Lerue C., Jr., 4,830,343, Cl. 267-44.000.
- Klersy, Patrick J.: *See—*
  - Pryor, Roger W.; Klersy, Patrick J.; Piontkowski, Jerry A.; and Formigoni, Napoleon P., 4,804,490, Cl. 252-62.3BT.
- Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased (by Meikle, Diane L., heir); Monte, William T.; and Pearson, Norman R., to Dow Chemical Company, The. Substituted 1,2,4-triazolo[1,5-a]pyrimidine-2-sulfonamides, compositions containing them, and their utility as herbicides. 4,818,273, 4-4-89, Cl. 71-90.000.
- Kleschick, William A., to Dow Chemical Company, The. Sulfonamides derived from substituted 2-amino-1,2,4-triazolo (1,5-a) pyrimidines and compositions and methods of controlling undesired vegetation. 4,822,404, 4-18-89, Cl. 71-92.000.
- Kleschick, William A.; Secor, Jacob; and Holmsen, Theodore W., to Dow Chemical Company, The. Herbicidal method with improved crop tolerance. 4,874,421, 10-17-89, Cl. 71-9.00H.
- Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased (by Meikle, Diane, heir); Monte, William T.; and Pearson, Norman R., to Dow Chemical Company, The. Substituted 1,2,4-triazolo[1,5-a]pyrimidine-2-sulfonyl chlorides. 4,886,883, 12-12-89, Cl. 544-263.000.
- Kleschick, William A.: *See—*
  - Pearson, Norman R.; Bartley, Shannon L.; and Kleschick, William A., 4,799,952, Cl. 71-92.000.
- Klesius, Phillip H.; and Cross, Debra A., to United States of America, Agriculture. In-vivo stimulation, collection, and modification of peritoneal macrophage. 4,878,895, 11-7-89, Cl. 604-49.000.
- Klesse, Christoph: *See—*
  - Jung, Werner; Klesse, Christoph; and Sievers, Axel, 4,880,889, Cl. 526-323.000.
- Klesse, Wolfgang; Auer, Heinz-Jochen; and Quis, Peter, to Rohm GmbH. Method for making foundry sand containing a resin binder. 4,847,309, 7-11-89, Cl. 523-139.000.

- Klesse, Wolfgang: *See—*
  - Rauch, Hubert; Klesse, Wolfgang; Lehmann, Klaus; and Mager, Theodor, 4,816,558, Cl. 528-501.000.
- Klessing, Klaus: *See—*
  - Chatterjee, Shyam S.; and Klessing, Klaus, 4,855,320, Cl. 514-473.000.
- Kletecka, George; Lai, John T.; and Son, Pyong-Nae, to B. F. Goodrich Company, The. Stabilized gamma-irradiated polypropylene and sterilizable articles thereof. 4,797,438, 1-10-89, Cl. 524-100.000.
- Kletschka, Harold D. Angioplasty device and method of using the same. 4,794,928, 1-3-89, Cl. 128-344.000.
- Kletschka, Harold D. Rotary pump. 4,844,707, 7-4-89, Cl. 417-420.000.
- Klett, Michael W.; and Das, Balbhadra, to PPG Industries, Inc. Polymeric compositions having flame retardant properties. 4,806,620, 2-21-89, Cl. 528-244.000.
- Kleuters, Wilhelm J.: *See—*
  - Van Rosmalen, Gerard E.; and Kleuters, Wilhelm J., 4,870,508, Cl. 358-342.000.
- Klevan, Leonard; Gebeyehu, Gulilat; and Rao, Prasad Y., to Life Technologies, Inc. Nucleotide analogs for nucleic acid labeling and detection. 4,828,979, 5-9-89, Cl. 435-6.000.
- Klevan, Stewart. Folding toothbrush. 4,850,074, 7-25-89, Cl. 15-185.000.
- Klevecz, Robert R. Method for preventing frost damage to plants. 4,834,899, 5-30-89, Cl. 252-70.000.
- Kleven Loland A/S: *See—*
  - Loland, Magnus, 4,833,976, Cl. 92-86.500.
- Kleven, Lowell A.: *See—*
  - Corpron, Gary P.; Kleven, Lowell A.; and Johnson, Lawrence A., 4,806,016, Cl. 356-373.000.
- Klever, Manfred; and Rott, Karl-Heinz, to Gutbrod-Werke GmbH. Lawn mower combination. 4,823,542, 4-25-89, Cl. 56-17.500.
- Klewsaat, Dean G., to Colgate-Palmolive Co. Cationic/anionic surfactant complex antistatic and fabric softening emulsion for wash cycle laundry applications. 4,888,119, 12-19-89, Cl. 252-8.750.
- Kley, Victor B. Electrical illumination and detecting apparatus. 4,806,776, 2-21-89, Cl. 250-560.000.
- Kleyer, Siegfried, to Leybold-Aktiengesellschaft. Band coating apparatus. 4,864,967, 9-12-89, Cl. 118-718.000.
- Kleykamp, Donald L. Railroad hatch cover having an integral hold-down bar therefor. 4,840,126, 6-20-89, Cl. 105-377.000.
- Kleylein, Horst. Handle for athletic equipment. 4,828,261, 5-9-89, Cl. 273-75.000.
- Kleynjans, Joseph P. H., to Eriks Holding N.V. Combined dock seal and shelter. 4,799,342, 1-24-89, Cl. 52-173.0DS.
- Kleynjans, Joseph P. H.; Kalempa, Walenty; and Pealer, Dominic J., to Eriks Holding N.V. Hydraulic lip actuator for dock leveler. 4,823,421, 4-25-89, Cl. 14-71.300.
- Klibaner, Michael: *See—*
  - Kamarei, Ahmad R.; Klibaner, Michael; and Peton, Denise, 4,879,312, Cl. 514-560.000.
- Klibanov, Alexander M.; and Dordick, Jonathan S., to Massachusetts Institute of Technology. Enzymatic temperature change indicator. 4,826,762, 5-2-89, Cl. 435-28.000.
- Klie, Wolfgang; Fischer, Wolfgang; Tomforde, Johann; Kleiner, Horst; and Ellenrieder, Gunther, to Daimler-Benz Aktiengesellschaft. Bumper for a motor vehicle. 4,826,226, 5-2-89, Cl. 293-120.000.
- Kliem, Erhard; Weber, Guenter; and Kunz, Alfred, to Linde Aktiengesellschaft. Separation of a mixture of sulfur and alkaline solution and apparatus therefor. 4,876,079, 10-24-89, Cl. 423-578.00R.
- Kliene, Ronald Ian: *See—*
  - Wilson, Keith Andrew; and Kliene, Ronald Ian, 4,877,562, Cl. 264-22.000.
- Klienhuzen, David W.: *See—*
  - Meyer, Dennis W.; and Klienhuzen, David W., 4,827,706, Cl. 56-400.050.
- Klier, Benno: *See—*
  - Blumberg, Willy; Schutt, Hans J.; Mette, Ulrich; Barbet, Karl H.; Busse, Fritz; and Klier, Benno, 4,812,073, Cl. 403-134.000.
- Klier, Kamil; Herman, Richard G.; and Vedage, Gamimi, to Lehigh University. Catalyst and method for producing methanol. 4,843,101, 6-27-89, Cl. 518-713.000.
- Klier, Shimon; and Novik, Ofer, to Klier, Shimon. Light transmissive insulation apparatus. 4,815,442, 3-28-89, Cl. 126-415.000.
- Klifa Fahrzeugteile GmbH & Co.: *See—*
  - Friedrichs, K. Gerd, 4,827,589, Cl. 29-156.40R.
  - Friedrichs, Karl G., 4,826,468, Cl. 474-101.000.
- Kligerman, Alan E. Carton for containing a plurality of items for transport, storage and display. 4,886,160, 12-12-89, Cl. 206-44.00R.
- Kligman, Albert M. Methods for treatment of sundamaged human skin with retinoids. 4,877,805, 10-31-89, Cl. 514-381.000.
- Kligman, Albert M. Methods for treatment of sundamaged human skin with retinoids. 4,888,342, 12-19-89, Cl. 514-419.000.
- Kligman, Albert M.; Mezick, James A.; and Capetola, Robert J., to Ortho Pharmaceutical Corporation. Prevention of glucocorticoid-induced skin atrophy. 4,889,847, 12-26-89, Cl. 514-171.000.
- Kliklok Corporation: *See—*
  - Bacon, Forrest C.; and Pribbernow, Dale E., 4,887,679, Cl. 177-245.000.
  - Edwards, Robert B.; Dalrymple, Bruce H.; Long, Lawrence H.; Meisner, Paul; Bacon, Forrest C.; Pribbernow, Dale E.; and Warner, William L., 4,821,820, Cl. 177-25.180.
  - Harston, John C.; and Ford, Colin P., 4,881,934, Cl. 493-315.000.
- Klim, William T.: *See—*
  - DePietro, Mark A.; Klim, William T.; Ashworth, Robert H.; and Thiele, Robert E., 4,860,812, Cl. 160-135.000.
- Kliman, Gerald B.; Brynsvold, Glen V.; and Jahns, Thomas M., to General Electric Company. Winding for linear pump. 4,859,885, 8-22-89, Cl. 310-11.000.
- Kliman, Gerald B.; and Jones, Donald W., to General Electric Company. Electromagnetic motor/actuator. 4,859,974, 8-22-89, Cl. 335-229.000.
- Kliman, Gerald B.: *See—*
  - Schulz, Max W., Jr.; Grabkowski, Stephen E.; and Kliman, Gerald B., 4,808,932, Cl. 324-545.000.
- Klimczak, William N., to Hughes Aircraft Company. Deterministic thinned aperture phased antenna array. 4,797,682, 1-10-89, Cl. 343-844.000.
- Klimeck, Hugo; Knorr, Volker; and Wilken, Gerhard, to Gebr. Eickhoff Maschinenfabrik u. Eisengiesserei mbH. Rack assembly for advancing a winning machine. 4,813,747, 3-21-89, Cl. 299-43.000.
- Klimek, Joseph P., to United States of America, Army. Bakeable evacuative container assembly for hot isostatic pressing. 4,813,124, 3-21-89, Cl. 29-607.000.
- Kliment, Charles K.: *See—*
  - Gould, Francis E.; Kliment, Charles K.; and Seems, George E., 4,810,543, Cl. 428-35.700.
- Klimesch, Roger G.; Bleckmann, Gerhard; Farwerck, Karl-Peter; Goertz, Hans-Helmut; and Schlemmer, Lothar, to BASF Aktiengesellschaft. Continuous method of tableting. 4,880,585, 11-14-89, Cl. 264-141.000.
- Klimesch, Roger G.: *See—*
  - Goertz, Hans-Helmut; Klimesch, Roger G.; Laemmerhirt, Klaus; Lang, Siegfried; Sanner, Axel; and Spengler, Reinhard, 4,801,460, Cl. 424-465.000.
- Klimets, Sergei N.: *See—*
  - Milov, Vladimir N.; Loginov, Anatoly A.; Ostrenko, Nikolai S., deceased; Gorsky, Viktor I.; Demyanovich, Nikolai A.; Davletkhanov, Rifkhat B.; Klimets, Sergei N.; Dokshin, Gennady P.; Telyatnikov, Jury A.; Yarkin, Vladislav I.; Ostrenko, Ekaterina A., administrator; Chevalkova, Inna E., administrator; and Stebakova, Alla E., administrator, 4,817,700, Cl. 164-259.000.
- Klimetzek, Volker: *See—*
  - Lockhoff, Oswald; Hayauchi, Yutaka; Stadler, Peter; Stunkel, Klaus G.; Streissle, Gert; Paessens, Arnold; Klimetzek, Volker; Zeiler, Hans-Joachim; Metzger, Karl G.; Kroll, Hein-Peter; Brunner, Helmut; and Schaller, Klaus, 4,855,283, Cl. 514-8.000.
- Klimmer, Josef W.: *See—*
  - Hagerer, Paul; Glaser, Fritz; Klimmer, Josef W.; and Kunze, Reinhard, 4,875,889, Cl. 460-1.000.
  - Hall, James W.; Popelier, Maurice A.; Klimmer, Josef W.; West, Neil L.; and Peters, Loren W., 4,884,994, Cl. 460-66.000.
- Klimov, Alexander S.: *See—*
  - Schadin, Lev V.; and Klimov, Alexander S., 4,878,983, Cl. 156-415.000.
- Klimov, Sergei B.: *See—*
  - Churkin, Vladimir G.; Negrutsky, Sergei B.; Klimov, Sergei B.; and Negrutsky, Boris F., 4,856,414, Cl. 92-83.000.
- Klimpel, Richard R.; and Hansen, Robert D., to Dow Chemical Company, The. Froth flotation method. 4,797,202, 1-10-89, Cl. 209-166.000.
- Klimpel, Richard R.; and Hansen, Robert D., to Dow Chemical Company, The. Collector compositions for the froth flotation of mineral values. 4,822,483, 4-18-89, Cl. 209-167.000.
- Klimpel, Richard R.; Hansen, Robert D.; and Fazio, Michael J., to Dow Chemical Company, The. Pyrite depressants useful in the separation of pyrite from coal. 4,826,588, 5-2-89, Cl. 209-167.000.
- Klimpel, Richard R.; and Hansen, Robert D., to Dow Chemical Company, The. Pyrite depressants useful in the separation of pyrite from coal. 4,830,740, 5-16-89, Cl. 209-167.000.
- Klimpel, Richard R.: *See—*
  - Hansen, Robert D.; and Klimpel, Richard R., 4,808,301, Cl. 209-167.000.
  - Hansen, Robert D.; and Klimpel, Richard R., 4,820,406, Cl. 209-166.000.
- Klimpke, Dirk. Multineedle automatic sewing machine. 4,821,660, 4-18-89, Cl. 112-164.000.
- Klimt, Ulrich: *See—*
  - Thiel, Rudolf; Klimt, Ulrich; and Kast, Helmut, 4,856,620, Cl. 188-72.400.
  - Thiel, Rudolf; Klimt, Ulrich; and Zaviska, Dalibor, 4,858,728, Cl. 188-73.310.
- Klimt, Zdenek: *See—*
  - Andersson, Lars; and Klimt, Zdenek, 4,857,687, Cl. 219-10.570.
- Kline, Bruce R.: *See—*
  - Spillman, William B., Jr.; Rudd, Robert E., III; Ellinger, Michael E.; Patriquin, Douglas R.; and Kline, Bruce R., 4,863,274, Cl. 356-364.000.
  - Spillman, William B., Jr.; Rudd, Robert E., III; Ellinger, Sylvester M.; Patriquin, Douglas R.; and Kline, Bruce R., 4,874,245, Cl. 356-364.000.
- Kline, Edmund G.: *See—*
  - Yanusko, David P.; McMillan, Harold C.; and Kline, Edmund G., 4,882,971, Cl. 89-33.020.
- Kline, James P.: *See—*
  - Michel, John M.; and Kline, James P., 4,850,346, Cl. 128-206.150.
- Kline, James R.; and Hunka, Robert S., to Acutherm, Ltd. Thermally-powered active master and passive satellite air diffuser system. 4,821,955, 4-18-89, Cl. 236-49.300.
- Kline, Loren H.: *See—*
  - Woodcock, William F.; and Kline, Loren H., 4,796,593, Cl. 123-518.000.

- Woodcock, William F.; Ruhig, William E., Jr.; and Kline, Loren H., 4,887,578, Cl. 123-519.000.
- Kline, Regis F.: *See—*
  - Duncan, Thomas F.; and Kline, Regis F., 4,812,366, Cl. 428-528.000.
- Klinedinst, Keith A.; and Clark, William D. K., to Whittaker Technical Products, Inc. Electrochemical cell. 4,844,997, 7-4-89, Cl. 429-196.000.
- Klinedinst, Paul W.; and Smeltzer, Thomas, to Graham Engineering Corporation. Blow molded bottle extraction, trimming and discharge apparatus. 4,834,643, 5-30-89, Cl. 425-537.000.
- Klinedinst, Paul W.; and Smeltzer, Thomas, to Graham Engineering Corporation. Blow molded bottle extraction, trimming and discharge apparatus. 4,886,443, 12-12-89, Cl. 425-537.000.
- Klinedinst, Paul W.: *See—*
  - Johnston, Brian J.; and Klinedinst, Paul W., 4,840,366, Cl. 271-9.000.
- Kling Heinz, Alberto. Rotor for a wind-driven generator. 4,822,247, 4-18-89, Cl. 416-189.000.
- Kling, John P., to AMP Incorporated. Electrical circuit component assembly for circuit boards. 4,821,005, 4-11-89, Cl. 333-167.000.
- Kling, John P., to AMP Incorporated. Planar pi-network filter assembly having capacitors formed on opposing surfaces of an inductive member. 4,853,659, 8-1-89, Cl. 333-184.000.
- Kling, Joseph L., III: *See—*
  - Renfro, Wesley E., 4,862,915, Cl. 137-556.000.
- Kling, Lothar: *See—*
  - von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,870,077, Cl. 514-254.000.
  - von der Saal, Wolfgang; Holck, Jens-Peter; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,882,342, Cl. 514-338.000.
- Kling, Michael R., to GTE Products Corporation. Glow discharge starter containing boron. 4,837,483, 6-6-89, Cl. 313-619.000.
- Kling, Peter N.: *See—*
  - Hankvist, Bo A.; Kling, Peter N.; and Spongh, Rolf T., 4,881,688, Cl. 239-691.000.
- Kling, Thomas J.: *See—*
  - Elsen, Jeffrey M.; Debney, Martin F.; and Kling, Thomas J., 4,869,950, Cl. 428-198.000.
- Klingauf, Fred: *See—*
  - Pommer, Ernst-Heinrich; Scherer, Maria; Klingauf, Fred; and Herger, Gabriele, 4,863,734, Cl. 424-195.100.
- Klingbeil, Klaus-Jurgen; and Woyciel, Horst, to Inventio AG. Elevator drive control apparatus for smooth start-up. 4,828,075, 5-9-89, Cl. 187-115.000.
- Klingbeil, Klaus-Jurgen, to Inventio AG. Stopping control for an elevator. 4,844,205, 7-4-89, Cl. 187-116.000.
- Klingberg, Anders: *See—*
  - Hellsten, Martin; and Klingberg, Anders, 4,828,687, Cl. 209-166.000.
- Klingberg, Sven; and Persson, Sixten. Safety box for safeguarding documents and the like. 4,852,502, 8-1-89, Cl. 109-25.000.
- Klingbiel, August G., to Oneac Corporation. Tap switching protection circuit. 4,860,145, 8-22-89, Cl. 361-18.000.
- Klinge, Svein. Pleated knit fabric. 4,888,964, 12-26-89, Cl. 66-193.000.
- Klingel, Hans. CO_2 laser. 4,796,272, 1-3-89, Cl. 372-87.000.
- Klingel, Hans, to Trumpf GmbH & Co. Punch press with rotary ram and method of operating same. 4,869,141, 9-26-89, Cl. 83-49.000.
- Klingelhofer, Ulrich: *See—*
  - Bruckner, Gunther; Hiller, Wolfgang; Klingelhofer, Ulrich; and Radtke, Manfred, 4,833,845, Cl. 52-126.600.
- Klingelnberg Sohne: *See—*
  - Gudow, Karlheinz, 4,865,494, Cl. 408-13.000.
- Klingels, Hermann, to MTU Motoren- und Turbinen-Union Munchen GmbH. Gas turbine propulsion unit with a gas generator. 4,876,849, 10-31-89, Cl. 60-39.161.
- Klingen, Jurgen: *See—*
  - Darvell, Wayne K.; Konsti, Patricia R.; Klingen, Jurgen; and Kreckel, Karl W., 4,855,170, Cl. 428-40.000.
- Klingenbeck, Klaus; and Schittenhelm, Rudolf, to Siemens Aktiengesellschaft. Method and apparatus for non-contacting identification of the temperature distribution in an examination subject. 4,798,209, 1-17-89, Cl. 128-653.000.
- Klingenbeck, Klaus; and Regn, Judith, to Siemens Aktiengesellschaft. Method and apparatus for identifying the distribution of the dielectric constants in an object. 4,805,627, 2-21-89, Cl. 128-653.000.
- Klingensmith, G. Bruce, to Shell Oil Company. Polymerization process. 4,822,871, 4-18-89, Cl. 528-392.000.
- Klingenstein, Walter: *See—*
  - Fink, Roland; and Klingenstein, Walter, 4,799,624, Cl. 239-412.000.
- Klinger, Gary M.; Reichenbach, Thomas G.; and Watanabe, Shunso F., to Ford Motor Company. Control system for motor vehicle suspension unit. 4,809,179, 2-28-89, Cl. 364-424.050.
- Klinger, Heinz: *See—*
  - Ammon, Wilfried V.; Hensel, Wolfgang; and Klinger, Heinz, 4,851,628, Cl. 219-10.430.
- Klinger, Lori J., to W. R. Grace & Co. Radiation curable liquid (meth) acrylated polymeric hydrocarbon maleate prepolymers and formulations containing same. 4,857,434, 8-15-89, Cl. 430-286.000.
- Klingert, Bernd: *See—*
  - Lang, Robert W.; and Klingert, Bernd, 4,886,879, Cl. 540-486.000.
- Klingle, Reinhard; and Manner, Reinhard, to Degussa Aktiengesellschaft. Method of compressing pyrogenically prepared silicic acid. 4,877,595, 10-31-89, Cl. 423-335.000.
- Klingman, Ken A.: *See—*
  - Nyberg, Eric D.; Klingman, Ken A.; Curtis, Jeff; and Stewart, Ray F., 4,888,098, Cl. 204-1.00R.
- Klink, Jerome P.; and Glaser, Hellmut I., to Owen-Corning Fiberglas Corporation. Glass fiber bulk strand roving. 4,802,331, 2-7-89, Cl. 57-246.000.
- Klink, Josef; and Maier, Ulrich, to Daimler-Benz Aktiengesellschaft. Tilt-adjustable seat cushion for a vehicle seat. 4,838,509, 6-13-89, Cl. 248-393.000.
- Klink, Josef: *See—*
  - Barros, Manuel; Rampel, Hans; Dinkel, Emil; Klink, Josef; and Maier, Ulrich, 4,834,456, Cl. 297-403.000.
  - Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Gedig, Alfred; Klink, Josef; and Koucky, Antonin, 4,805,481, Cl. 74-528.000.
  - Konzmann, Rainer; Ohlhausen, Otto; Schmitt, Joachim; Koucky, Antonin; and Klink, Josef, 4,886,317, Cl. 297-417.000.
- Klink, Jurgen: *See—*
  - Hess, Andreas; Klink, Jurgen; and Zimmermann, Friedrich, 4,829,382, Cl. 358-228.000.
- Klink, Norbert: *See—*
  - Prein, Franz; Wiegand, Jurgen; Frey, Peter; and Klink, Norbert, 4,890,035, Cl. 313-633.000.
- Klink, Rainer: *See—*
  - Henkel, Eberhard; Dolabdjian, Barkew; Helger, Roland; Klink, Rainer; and Wurzburg, Uwe, 4,857,640, Cl. 536-4.100.
- Klink, William. Tennis racket grip. 4,848,746, 7-18-89, Cl. 273-73.00J.
- Klinkau Besitzges. mbH: *See—*
  - Klinkau, Werner; and Stanik, Reinmund, 4,832,840, Cl. 210-228.000.
- Klinkau, Werner; and Stanik, Reinmund, to Klinkau Besitzges. mbH. Membrane filter plate having improved bending characteristics of the membrane. 4,832,840, 5-23-89, Cl. 210-228.000.
- Klinke, Christian: *See—*
  - Moser, Winfried; and Klinke, Christian, 4,878,381, Cl. 73-118.100.
- Klinke, Roland: *See—*
  - Hosticka, Bedrich J.; Klinke, Roland; and Pfleiderer, Hans-Joerg, 4,843,341, Cl. 330-253.000.
- Klinkenberg, Hubert E., to Dana Corporation. Ball nut and means for attaching a mounting flange thereto. 4,864,884, 9-12-89, Cl. 74-459.000.
- Klinkenberg, Pamela M.: *See—*
  - Zimmel, John M.; Klinkenberg, Pamela M.; Bunnelle, William L.; and Knutson, Keith C., 4,871,803, Cl. 525-89.000.
- Klinker, Walter: *See—*
  - Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, 4,824,185, Cl. 303-110.000.
  - Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, 4,824,186, Cl. 303-110.000.
- Klinkhamer, Arend J.: *See—*
  - Pals, Jan A.; and Klinkhamer, Arend J., 4,831,425, Cl. 357-24.000.
- Klinkowstein, Robert E.; and Shefer, Ruth, to Science Research Laboratory, Inc. Electrostatic ion accelerator. 4,812,775, 3-14-89, Cl. 328-233.000.
- Klinkowstein, Robert E.: *See—*
  - Shefer, Ruth; Klinkowstein, Robert E.; and Petrasso, Richard, 4,887,604, Cl. 128-654.000.
- Klinksiek, Bernd: *See—*
  - Wirth, Wolfgang; Niessen, Heinz J.; and Klinksiek, Bernd, 4,814,167, Cl. 424-78.000.
- Klinner, Wilfred E., to National Research Development Corporation. Apparatus and method for briquetting fibrous crop or like materials. 4,798,529, 1-17-89, Cl. 425-289.000.
- Klinner, Wilfred E., to National Research Development Corporation. Crop harvesting apparatus and methods. 4,843,806, 7-4-89, Cl. 56-364.000.
- Klintenstedt, Kjell; and Lantz, Christer, to Alfa-Laval Separation AB. Method of sensing and indicating errors in a dosing circuit. 4,800,367, 1-24-89, Cl. 340-526.000.
- Klip, Evert J.: *See—*
  - Daamen, Jacobus J. H. G.; De Haan, Peter J.; and Klip, Evert J., 4,838,972, Cl. 156-175.000.
- Klipa, Dennis K.; and Dewald, James R., to Dow Chemical Company, The. Catalyst for dehydrohalogenation. 4,886,922, 12-12-89, Cl. 570-193.000.
- Klipper, Aron: *See—*
  - Ladan, Uri; Karton, Boaz; and Klipper, Aron, 4,840,105, Cl. 89-1.130.
- Klitsner, Daniel B., to Discovery Toys, Inc. Jump chute marble race toy. 4,874,342, 10-17-89, Cl. 446-168.000.
- Kljucaricek, Peter: *See—*
  - Fenoglio, Charles; Kljucaricek, Peter; Pernick, Jeffrey; and Schaedel, Fred C., 4,879,018, Cl. 204-56.100.
- Kljuev, Mikhail M.: *See—*
  - Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
- Kljuzhin, Evgeny A.: *See—*
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- Klober GmbH & Co.: *See—*
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- Klober, Johannes, to Hans Klober KG. Roofing slab. 4,803,816, 2-14-89, Cl. 52-219.000.
- Klober, Johannes: *See—*
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- Klobucar, W. Dirk, to Ethyl Corporation. Eugenoxy containing polyfluoroalkoxyphosphazene composition. 4,849,494, 7-18-89, Cl. 528-168.000.
- Klocke, Donald J.: *See—*
  - Krishnamurthy, Sowmithri; and Klocke, Donald J., 4,849,194, Cl. 423-328.000.
- Klocke, Hartmut: *See—*
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- Klockenbusch, Heinrich: *See—*
  - Tiggesbaumker, Peter; Durr, Manfred; Wurr, Jurgen; Krutzner, Karl; Rother, Wolfgang; Menzel, Karl; Schaberg, Frank; Klockenbusch, Heinrich; Unland, Georg; and Driemeier, Gunter, 4,808,108, Cl. 432-14.000.
- Klocker, Otto: *See—*
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- Klockler, Robert: *See—*
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- Klockner-Becorit GmbH: *See—*
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- Klockner Cra Technologie GmbH: *See—*
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- Klockner Ferromatik Desma GmbH: *See—*
  - Graf, Hans-Joachim; and Koliwer, Wolfgang, 4,854,841, Cl. 425-119.000.
  - Landwehr, Reinhard; and Rebers, Gunter, 4,801,256, Cl. 425-119.000.
  - Landwehr, Reinhard; and Rebers, Gunter, 4,873,049, Cl. 264-513.000.
  - Pontius, Klaus; and Settinger, Manfred, 4,805,803, Cl. 222-52.000.
  - Pontius, Klaus; and Settinger, Manfred, 4,883,645, Cl. 422-133.000.
  - Proll, Manfred; and Rebers, Gunter, 4,810,178, Cl. 425-112.000.
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- Klockner-Humboldt-Deutz AG: *See—*
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  - Rubin, Gerhard; and Bleckmann, Hugo, 4,840,315, Cl. 241-24.000.
  - Strauss, Werner; Timmermann, Helmut; Hasse, Werner; and Weiffen, Karl-Heinz, 4,832,835, Cl. 209-455.000.
- Klockner-Humboldt Deutz Aktiengesellschaft: *See—*
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- Klockner, Jurgen: *See—*
  - Seidel, Jurgen; Rosenthal, Dieter; and Klockner, Jurgen, 4,881,396, Cl. 72-247.000.
- Klockner, Karl-Heinz: *See—*
  - Bitschkus, Horst; Hofmann, Manfred; Klockner, Karl-Heinz; Nelles, Uwe; and Siewert, Gunther, 4,852,864, Cl. 267-219.000.
- Kloeckner CRA Technologie GmbH: *See—*
  - Brotzmann, Karl; Fassbinder, Hans-Georg; and Turner, Richard E., deceased, 4,798,624, Cl. 75-38.000.
  - Brotzmann, Karl; Moodie, Jonathan P.; and Turner, Richard E., deceased, 4,861,368, Cl. 75-25.000.
  - Fassbinder, Hans-Georg; Moodie, Jonathan P.; and Turner, Trenna R., 4,849,015, Cl. 75-26.000.
- Kloeckner-Humboldt-Deutz AG: *See—*
  - Bauer, Lothar; Strusch, Wolfgang; Hartmann, Ernst-Siegfried; Schleiermacher, Herbert; and Wahnschaffe, Juergen, 4,834,030, Cl. 123-41.720.
  - Hilker, Dieter; and Krause, Horst-Herbert, 4,794,884, Cl. 123-41.790.
  - Hoecker, Manfred, 4,881,506, Cl. 123-503.000.
  - Houben, Hans; and Haas, Eckhard, 4,831,917, Cl. 92-176.000.
  - Krause, Horst-Herbert; and Lemme, Werner, 4,834,046, Cl. 123-364.000.
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  - Richardt, Karl-Heinz, 4,854,290, Cl. 123-556.000
  - von Allwoerden, Wilhelm; and Maier, Martin, 4,800,710, Cl. 56-17.200.
  - Wahnschaffe, Jurgen; Hartmann, Ernst-Siegfried; and Schleiermacher, Herbert, 4,834,029, Cl. 123-41.420.
  - Witt, Arnold; and Skrivanek, Alfred, 4,819,775, Cl. 192-41.00A.
  - Witt, Arnold, 4,838,028, Cl. 60-736.000.
- Kloepfer, Mary A. Blood test strip. 4,883,764, 11-28-89, Cl. 436-63.000.
- Kloepper, Paul A. Surgical leg stressing device. 4,854,313, 8-8-89, Cl. 128-882.000.
- Kloess, Scott R.: *See—*
  - Fannin, Wayne V.; Kruckemeyer, William C.; and Kloess, Scott R., 4,828,229, Cl. 267-64.250.
- Kloft, Manfred; Zerrer, Gerhard; and Unger, Helmut, to Andreas Stihl. Brushcutter. 4,864,728, 9-12-89, Cl. 30-276.000.
- Kloften & Kloften A/S: *See—*
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- Kloker, Werner: *See—*
  - Buysch, Hans-Josef; and Kloker, Werner, 4,812,591, Cl. 560-140.000.
  - Meier, Helmut-Martin; Kloker, Werner; and Sickert, Armin, 4,868,320, Cl. 556-408.000.
- Klomp, Johannes T.: *See—*
  - Van Roosmalen, Johannes T. C.; Fastenau, Robert H. J.; Koorneef, Jacob; Baan Hofman, Matthijs J.; and Klomp, Johannes T., 4,829,211, Cl. 313-402.000.
- Kloots, Jacobus; and Van Der Bel, Frans G., to Luxtec Corporation. Head mounted illumination and camera assembly. 4,797,736, 1-10-89, Cl. 358-93.000.
- Klop, Willem: *See—*
  - Teunissen, Antonius J. J. M.; Klop, Willem; and Delahaye, Hubertus J. A. V., 4,880,929, Cl. 544-242.000.
- Klopfenstein, Brent A.; and Lang, David J., to Sundstrand Corporation. No-back mechanism. 4,834,225, 5-30-89, Cl. 192-7.000.
- Klopfenstein, Brent A.: *See—*
  - Metcalf, Jeffrey D.; and Klopfenstein, Brent A., 4,867,295, Cl. 192-141.000.
  - Metcalf, Jeffrey D.; and Klopfenstein, Brent A., 4,884,401, Cl. 60-403.000.
- Klopfenstein, King L.: *See—*
  - Bergholt, Steve P.; Klopfenstein, King L.; and Hutter, David B., 4,850,443, Cl. 177-188.000.
- Klopocki, Jan: *See—*
  - Doerffer, Jerzy W.; Rowinski, Lech; Niepieklo, Andrzej; Klopocki, Jan; and Siwek, Boguslaw, 4,822,311, Cl. 441-87.000.
- Klopotek, Peter, to Lambda Physik. Circuit for the preionization and main discharge of a pulsed gas laser. 4,797,888, 1-10-89, Cl. 372-38.000.
- Klopp, Stephen W.: *See—*
  - Uttecht, Gary W.; Hoover, Danny E.; and Klopp, Stephen W., 4,800,981, Cl. 181-104.000.
- Kloppenburg, Ernst, to AEG Olympia Aktiengesellschaft. Plotting mechanism mounted on a ribbon cassette for typewriters or office machines. 4,842,427, 6-27-89, Cl. 400-18.000.
- Kloppenburg, Ernst, to AEG Olympia AG. Method and apparatus for producing a speed control voltage for direct current motors in typewriters or similar office machines. 4,859,918, 8-22-89, Cl. 388-815.000.
- Klopping, Jeffrey N.: *See—*
  - Brinker, Gary D.; Klopping, Jeffrey N.; and Fintel, Eric D., 4,825,376, Cl. 364-473.000.
  - Joehlin, Stanley W.; and Klopping, Jeffrey N., 4,807,144, Cl. 364-473.000.
- Klos, Klaus-Peter: *See—*
  - Kurze, Werner; and Klos, Klaus-Peter, 4,820,388, Cl. 204-44.200.
- Klos, Waltraud: *See—*
  - Spaeth, Werner; Waitl, Guenther; Kuhlmann, Werner; Althaus, Hans-Ludwig; Birkmann, Rolf; Klos, Waltraud; and Schubert, Axel, 4,875,750, Cl. 350-96.180.
  - Waitl, Guenther; Geim, Karl; Althaus, Hans-Ludwig; and Klos, Waltraud, 4,810,277, Cl. 65-4.210.
- Klose, Bernhard: *See—*
  - Naumann, Johannes; Tappert, Hans-Jurgen; Schrader, Klaus; Klose, Bernhard; and Dietrich, Bob, 4,809,590, Cl. 92-125.000.
- Klose, Hans-Ulrich: *See—*
  - Frerichs, Udo; Boltze, Carsten; Rach, Heinz-Dieter; and Klose, Hans-Ulrich, 4,865,532, Cl. 425-11.000.
- Klose, Karl W., to Cooper Tire & Rubber Company. Apparatus for applying tread stock to a tire carcass. 4,820,373, 4-11-89, Cl. 156-405.100.
- Klose, Reinhard; and Schroter, Jurgen, to Deutsche Telephonwerke und Kabelindustrie AG. Method of making conference call connections in computer-controlled digital telephone exchanges. 4,809,262, 2-28-89, Cl. 370-62.000.
- Klose, Sigmar: *See—*
  - Edelmann, Hermann; Pasch, Anton; Klose, Sigmar; Haar, Hans-Peter; and Mann, Karlheinz, 4,814,144, Cl. 422-102.000.
- Klose, Uwe: *See—*
  - Oppelt, Arnulf; Klose, Uwe; Ladebeck, Ralf; and Hentschel, Dietmar, 4,801,884, Cl. 324-309.000.
- Klosin, John J., to Homac Mfg. Company. Submerisible insulated splice assemblies. 4,837,409, 6-6-89, Cl. 174-88.00R.
- Klosin, John J.; and Venezia, J. William, to Homac Mfg. Company. Flat cable and sealing element. 4,859,812, 8-22-89, Cl. 174-135.000.
- Klosowski, Jerome M.; and Meddaugh, Michael D., to Dow Corning Corporation. Method of improving shelf life of silicone elastomeric sealant. 4,871,827, 10-3-89, Cl. 528-17.000.
- Klosowski, Jerome M.; and Meddaugh, Michael D., to Dow Corning Corporation. Method of improving shelf life of silicone elastomeric sealant. 4,888,404, 12-19-89, Cl. 528-15.000.
- Klosowski, Jerome M.: *See—*
  - Dietlein, John E.; and Klosowski, Jerome M., 4,797,446, Cl. 524-860.000.
  - Kamis, Russell P.; Klosowski, Jerome M.; and Lower, Loren D., 4,888,380, Cl. 524-588.000.
- Kloss, John W.: *See—*
  - Skala, Dennis P.; and Kloss, John W., 4,836,029, Cl. 73-799.000.
- Kloss, Thomas M., Jr., to Gila River Products, Inc. Stratiform press pads and methods for use thereof in laminating flexible printed circuits. 4,857,400, 8-15-89, Cl. 428-334.000.
- Kloss, Thomas M., Jr.: *See—*
  - Kleinschmidt, Eric W.; Kloss, Thomas M., Jr.; and Bell, William R., 4,861,648, Cl. 428-40.000.

Klossner, David J.: *See—*
Haller, Melita A.; and Klossner, David J., 4,848,131, Cl. 72-399.000.
Klosterboer, Robert A., to American Microsystems, Inc. Temperature compensating driver for a liquid crystal display. 4,807,972, 2-28-89, Cl. 350-331.00T.
Klosterhalfen, Hartwig: *See—*
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Klosterhaus, Edwin G.; and Feindel, Robert E., to TRW Inc. Rack and pinion steering gear with intermediate take-off. 4,887,683, 12-19-89, Cl. 180-148.000.
Klosterman, James E. Simplified adjustable ski binding structure. 4,871,186, 10-3-89, Cl. 280-611.000.
Klosterman, Larry. Tie length measuring device. 4,845,857, 7-11-89, Cl. 33-613.000.
Klostermann, Gerd: *See—*
Budecker, Ludwig; and Klostermann, Gerd, 4,843,193, Cl. 200-84.00C.
Klostermann, Heinrich F., to Medical Electronic Imaging Corporation. X-ray tubes. 4,811,375, 3-7-89, Cl. 378-131.000.
Klostermann, Heinrich F., to Medical Electronic Imaging Corporation. Air-cooled X-ray tube. 4,884,292, 11-28-89, Cl. 378-127.000.
Klostermann, Kurt: *See—*
Kleemann, Axel; Klostermann, Kurt; Leuchtenberger, Wolfgang; Moerck, Rudi E.; and Karrenbauer, Michael, 4,827,029, Cl. 562-559.000.
Kloth, Bernhard: *See—*
Eibner, Robert; Jaschkowitz, Michael; Kloth, Bernhard; Kohl, Wilhelm; and Merks, Siegfried, 4.863,051, Cl. 215-261.000.
Klothen, Irving, to American Cyanamid Company. Non-dusting antibiotic, anticoccidial premix compositions and a process for their manufacture. 4,824,829, 4-25-89, Cl. 514-27.000.
Klothen, Irving: *See—*
Toothill, Richard B.; Klothen, Irving; and Schaaf, Mimi Y., 4,816,480, Cl. 514-460.000.
Kloti, Karl: *See—*
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Klotz, Arthur: *See—*
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Klotz, Dale B., to Rockwell International Corporation. Wide range linear automatic gain control amplifier. 4,816,772, 3-28-89, Cl. 330-254.000.
Klotz, Erhard P. A.: *See—*
Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,853,947, Cl. 378-99.000.
Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,888,794, Cl. 378-41.000.
Klotz, Hartland P.: *See—*
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Klotzer, Sieghart: *See—*
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Klotzer, Wilhelm; Link, Helmut; Mussner, Renate; Schiestl, Werner; and Singewald, Nicolas, to Hoffmann-La Roche Inc. Antimicrobial 1,3-disubstituted/imidazolium salts. 4,814,332, 3-21-89, Cl. 514-235.800.
Klotzer, Wilhelm: *See—*
Link, Helmut; Montavon, Marc; Karpitschka, Eva M.; Klotzer, Wilhelm; and Mussner, Renate, 4,831,151, Cl. 514-398.000.
Kloucek, Franz; Larsson, Per-Olof; and Vogt, Ernst, to BBC Brown Boveri AG. Method for manufacturing a laminar bond and apparatus for conducting the method. 4,832,253, 5-23-89, Cl. 228-123.000.
Kloucek, Franz, to BBC Brown Boveri AG. Method for manufacturing semiconductor components. 4,856,702, 8-15-89, Cl. 228-123.000.
Kloucek, Franz; Larsson, Per-Olof; and Vogt, Ernst, to BBC Brown Boveri AG. Apparatus for manufacturing a laminar bond. 4,875,613, 10-24-89, Cl. 228-44.300.
Klowak, Bernard G., to James River Corporation. Fibrous tape base material. 4,834,838, 5-30-89, Cl. 162-109.000.
Klowak, Bernard G., to James River-Norwalk, Inc. High bulk, embossed fiber sheet material and apparatus and method of manufacturing the same. 4,849,054, 7-18-89, Cl. 162-109.000.
KLR Machines, Inc.: *See—*
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Klucher, Beth A.: *See—*
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Kluck, Arlen L.: *See—*
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Klucz, Francis M.; and Brunet, Normand A. Tools for pulling propellers and bearing carriers from outboard units. 4,864,709, 9-12-89, Cl. 29-259.000.
Klueger, Sigmund: *See—*
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Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, 4,884,870, Cl. 350-319.000.
Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, 4,884,872, Cl. 350-321.000.
Kluender, Harold C.; Woessner, Warren D.; and Biddlecom, William G., to Miles Inc. Methods of inhibitng gastric secretion with prostaglandin derivatives. 4,833,157, 5-23-89, Cl. 514-530.000.
Klueppel, Hans-Juergen; Ploeger, Walter; Rutzen, Horst; and Lehmann, Rudolf, to Henkel Kommanditgesellschaft auf Aktien. Oral and dental hygiene preparations. 4,820,507, 4-11-89, Cl. 424-54.000.
Klueppel, Hans-Juergen: *See—*
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Klueppel, Klemens: *See—*
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Klug, Kenneth R. P.; and Klug, Robert J., to Sierra Laboratories, Inc. Method of applying adhesive to a male external urinary collection device. 4,846,909, 7-11-89, Cl. 156-232.000.
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Klug, Robert J.: *See—*
Klug, Kenneth R. P.; and Klug, Robert J., 4,846,909, Cl. 156-232.000.
Klug, Werner: *See—*
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Kluga, Benjamin. Circle cutter employing base, swivel handle, and pivot bar with adjustable knife. 4,858,322, 8-22-89, Cl. 30-310.000.
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Kluge, Heinz: *See—*
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Klumpp, Thomas F.: *See—*
McNally, Robert G.; and Klumpp, Thomas F., 4,808,319, Cl. 210-741.000.
Klun, Thomas P.; Lu, David D.; and Robbins, Aida F., to Minnesota Mining and Manufacturing Company. Radiation-curable protective coating composition. 4,855,184, 8-8-89, Cl. 428-425.100.
Klupfel, Olaf; and Birkenfeld, Richard, to Mollers Maschinenfabrik GmbH. Apparatus for production of a heat shrinkable foil enclosed package unit. 4,845,918, 7-11-89, Cl. 53-170.000.
Kluppel, Klemens; and Stubs, Albert, to Atlas Fahrzeugtechnik GmbH. Arrangement for the generation of a trigger pulse. 4,807,137, 2-21-89, Cl. 364-431.040.
Kluppel, Klemens: *See—*
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Klusmier, Lawrence A.; Clarke, Hans T.; and Gatto, Gary, to Helix Technology Corporation. Cryogenic refrigerator having a convection system to cool a hermetic compressor. 4,831,828, 5-23-89, Cl. 62-6.000.
Klusowski, Hans-Jurgen: *See—*
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Blankley, C. John; Hodges, John C.; Kiely, John S.; and Klutchko, Sylvester R., 4,816,463, Cl. 514-293.000.
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Kluth, Joachim: *See—*
Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.

Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Eue, Ludwig, 4,840,661, Cl. 71-90.000.
Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Santel, Hans-Joachim; and Schmidt, Robert R., 4,802,910, Cl. 71-93.000.
Wroblowsky, Heinz-Jurgen; Kluth, Joachim; Tietjen, Klaus-Gunther; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,874,420, Cl. 71-93.000.
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Kluttermann, Jurgen, to Trutzschler GmbH & Co. KG. Sliver coiler for a carding machine. 4,815,171, 3-28-89, Cl. 19-159.00R.
Kluttz, Robert Q., to Shell Oil Company. Polyketone stabilization. 4,795,774, 1-3-89, Cl. 524-246.000.
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Klygis, Mindaugas J., to Illinois Tool Works, Inc. Carrier devices and packages of containers. 4,848,565, 7-18-89, Cl. 206-150.000.
Klym, Kyle. Building system with interlocking blocks. 4,854,103, 8-8-89, Cl. 52-593.000.
KM-Engineering AG. *See—*
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KM Werkzeugmaschinen GmbH: *See—*
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KMK Karl Magerle Lizenz AG: *See—*
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KMW Group, Inc., The: *See—*
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Staheli, Paul; and Knabenhans, Fritz, 4,797,979, Cl. 19-105.000.
Knaffl, Berislav; Knapp, Peter; Rufer, Alfred-Christophe; Zurcher, Urs; and Gotaas, Birger, to BBC Brown Boveri AG. Static converter circuit and method for controlling it. 4,800,481, 1-24-89, Cl. 363-70.000.
Knak, Torben; and Ludvig, Naess, to Norpol Technic A/S. Safety clutch. 4,810,017, 3-7-89, Cl. 294-82.270.
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Knapp, Alan G.; Lamport, Daphne L.; Washington, Derek; and Woodhead, Alfred W., to U.S. Philips Corporation. Display tube. 4,879,496, 11-7-89, Cl. 315-366.000.
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Knapp, Alfons; Roland, Robert D.; and Hutto, Joe D., to Masco Corporation of Indiana. Faucet valve with anti-siphon back flow preventer. 4,805,661, 2-21-89, Cl. 137-218.000.
Knapp, Alfons, to Masco Corporation. Compact cartridge for a single handle faucet valve. 4,838,304, 6-13-89, Cl. 137-454.600.
Knapp, Alfons, to Masco Corporation. Faucet valve with noise reducing slots and blades in preclosing apertures. 4,854,347, 8-8-89, Cl. 137-625.400.
Knapp, Alfons, to Masco Corporation. Silicon carbide valve elements. 4,856,758, 8-15-89, Cl. 251-368.000.
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Knapp, Gunter; and Schalk, Andreas, to Anton Paar KG. Method and apparatus for producing an hf-induced noble-gas plasma. 4,877,999, 10-31-89, Cl. 315-248.000.
Knapp, Hans J., to Alcatel N.V. Facility for monitoring the operation of a signal lamp. 4,808,982, 2-28-89, Cl. 340-641.000.
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Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,807,846, Cl. 251-129.150.
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Knapp, Karl E.: *See—*
Elias, Eric; and Knapp, Karl E., 4,873,118, Cl. 427-39.000.
Knapp, Malcolm H.; and Sonder, Gerhard, to General Electric Company. System for displacing a power pack from a vehicle. 4,796,721, 1-10-89, Cl. 180-294.000.
Knapp, Malcolm H., to General Electric Company. Bearing support. 4,872,767, 10-10-89, Cl. 384-99.000.
Knapp, Paul A. Brake bleeder valve apparatus having integral check valve and method for bleeding brakes. 4,804,017, 2-14-89, Cl. 137-614.160.
Knapp, Peter: *See—*
Knaffl, Berislav; Knapp, Peter; Rufer, Alfred-Christophe; Zurcher, Urs; and Gotaas, Birger, 4,800,481, Cl. 363-70.000.
Knapp, Stephen L. Simple, high performance digital data transmission system and method. 4,841,549, 6-20-89, Cl. 375-111.000.
Knapp, Todd K.; and Jergenson, Ronny D., to RTE Corporation. Two component operating handle for a primary circuit breaker. 4,804,807, 2-14-89, Cl. 200-331.000.
Knapp, Todd K.; Mikulecky, Harvey W.; and Reicher, Paul R., to Cooper Industries, Inc. Connection mechanism for connecting a cable connector to a bushing. 4,820,183, 4-11-89, Cl. 439-310.000.
Knappe, Bernhard, to FAG Kugelfischer Georg Schafer (KGaA). Cage for antifriction bearings. 4,844,628, 7-4-89, Cl. 384-510.000.
Knappe, Peter H.: *See—*
Holland, Eric C.; Lesan, Fredrick K.; and Knappe, Peter H., 4,855,058, Cl. 210-652.000.
Knappe, Wolfgang-Reinhold: *See—*
Rothe, Anselm; Knappe, Wolfgang-Reinhold; and Trasch, Heinz-Friedrich, 4,820,489, Cl. 422-56.000.
Knappwost, Adolf, to Neutralith Antikaries GmbH & Co. KG. Agent for increasing the pH value of dental plaque and process for its preparation. 4,847,086, 7-11-89, Cl. 424-687.000.

Knapton, Edward; and Vincent, Ernest, to Visual Technology Incorporated. Video terminal for use in graphics and alphanumeric applications. 4,803,476, 2-7-89, Cl. 340-750.000.
Knauer, Alfred; and Projahn, Ulrich, to Robert Bosch GmbH. Pilot burner for an apparatus for burning off solid particles in the exhaust gas of internal combustion engines. 4,858,432, 8-22-89, Cl. 60-303.000.
Knauer, Alfred; Leonhard, Rolf; Projahn, Ulrich; and Stolper, Wolfgang, to Robert Bosch GmbH. Pilot burner for an apparatus for burning off solid particles in the exhaust gas of internal combustion engines. 4,858,433, 8-22-89, Cl. 60-303.000.
Knauer, Allen R. Method for restoring and maintaining metal markers. 4,800,101, 1-24-89, Cl. 427-142.000.
Knauer GmbH Maschinenfabrik: *See—*
Steier, Klaus F.; Holthaus, Erich W.; and Kargl, Hermann, 4,830,597, Cl. 425-456.000.
Knauer, Hans-Jurgen: *See—*
Kuppers, Helmuth; and Knauer, Hans-Jurgen, 4,797,201, Cl. 209-127.400.
Knauer, Joseph: *See—*
Pertessis, John; and Knauer, Joseph, 4,804,901, Cl. 318-786.000.
Knauer, Karl, to Siemens Aktiengesellschaft. Ripple-carry adder. 4,839,849, 6-13-89, Cl. 364-784.000.
Knauer, Michael J.: *See—*
Dyer, Richard A.; Knauer, Michael J.; Rabenberg, Berle E.; Bentley, Arthur C.; and Keelor, Richard O., 4,828,257, Cl. 272-129.000.
Knauer, Paul E.; and Cleven, Ronald D., to Magnavox Government and Industrial Electronics Company. Alternating current plasma display panel. 4,827,186, 5-2-89, Cl. 313-485.000.
Knauer, Peter, to Man Roland Druckmaschinen AG. Printing machine cylinder holder arrangement. 4,807,527, 2-28-89, Cl. 101-216.000.
Knauer, Scott C., to American Telephone and Telegraph Company, AT&T Bell Laboratories. High speed cosine transform. 4,829,465, 5-9-89, Cl. 364-725.000.
Knauer, Wolfgang, to Hughes Aircraft Company. Carrier gas cluster source for thermally conditioned clusters. 4,833,319, 5-23-89, Cl. 250-251.000.
Knauer, Wolfgang, to Hughes Aircraft Company. Cluster source for nonvolatile species, having independent temperature control. 4,856,457, 8-15-89, Cl. 118-666.000.
Knauer, Wolfgang, to Hughes Aircraft Company. Cluster beam apparatus utilizing cold cathode cluster ionizer. 4,886,969, 12-12-89, Cl. 250-427.000.
Knauf, Vic: *See—*
Hiatt, William R.; Sheehy, Raymond E.; Shewmaker, Christine K.; Kridl, Jean C.; and Knauf, Vic, 4,801,540, Cl. 435-172.300.
Knauf, Werner; Waltersdorfer, Anna; Sagenmuller, Alfons; Stier, Hubert; and Lourens, Jan, to Hoechst Aktiengesellschaft. Compositions for combating pests containing macrocyclic lactones. 4,857,510, 8-15-89, Cl. 514-30.000.
Knauf, Werner: *See—*
Koch, Volker; Fuss, Andreas; Bonin, Werner; Knauf, Werner; and Waltersdorfer, Anna, 4,855,309, Cl. 514-346.000.
Shubert, Hans H.; Salbeck, Gerhard; Luders, Walter; and Knauf, Werner, 4,864,027, Cl. 546-14.000.
Knaul, Per; Schelhorn, Fritz; and Witte, Roland, to B.A.T. Cigarettenfabriken GmbH. Apparatus for cleaning of an endless conveyor belt. 4,860,883, 8-29-89, Cl. 198-495.000.
Knaus, Dennis A.: *See—*
Bambara, John D.; Flathers, Charles E., Jr.; Knaus, Dennis A.; and Palmieri, Gregory G., 4,836,814, Cl. 441-65.000.
Knauss, Hermann, to E.G.O. Elektro-Gerate Blanc u. Fischer. Electric continuous flow heater for liquid containers. 4,825,043, 4-25-89, Cl. 219-298.000.
Knauss, Richard J.; and Michael, David J., to Dresser Industries, Inc. Basic refractory shapes. 4,847,222, 7-11-89, Cl. 501-104.000.
Knauss, Richard J.: *See—*
Macey, Christopher L.; and Knauss, Richard J., 4,833,109, Cl. 501-120.000.
Knausz, Dezso; Csakvari, Bela; Gebhardt, Istvan; Meszticzky, Aranka; Kolos, Zsuzsanna; Rohonczy, Janos; Szederkenyi, Ferenc; Ujszaszy, Kamtan; and Volford, Janos, to Eotvos Lorand Tudomanyegyetem. Trimethylsilylcarbamates and a process for the preparation thereof. 4,831,173, 5-16-89, Cl. 556-420.000.
Knavish, Leonard A.; and Haskins, David R., to PPG Industries, Inc. Multi-stage process and apparatus for refining glass or the like. 4,798,616, 1-17-89, Cl. 65-135.000.
Kneafsey, Brendan J.; Rooney, John M.; and MacAogain, Conor F., to Loctite (Ireland) Limited. Method and device for activating chemical compositions. 4,867,817, 9-19-89, Cl. 156-73.100.
Kneafsey, Brendan J.: *See—*
McDonnell, Patrick F.; and Kneafsey, Brendan J., 4,869,772, Cl. 156-314.000.
Knebel, Joachim: *See—*
Besecke, Sigmund; Knebel, Joachim; Schroeder, Guenter; and Ude, Werner, 4,889,909, Cl. 528-125.000.
Knecht, Heinz; and Ackermann, Norbert, to Boge AG. Adjustable shock absorber. 4,802,561, 2-7-89, Cl. 188-318.000.
Knecht, Heinz; and Preukschat, Alfred, to Boge AG. Hydraulic adjustable shock absorber. 4,850,460, 7-25-89, Cl. 188-299.000.
Knecht, Heinz; and Ackermann, Norbert, to Boge AG. Adjustable vibration damper. 4,880,086, 11-14-89, Cl. 188-299.000.
Knecht, Hugo; and Luscher, Rene, to Ciba-Geigy Corporation. Apparatus for the production of photographic copies. 4,864,355, 9-5-89, Cl. 355-27.000.
Knecht, John A.; and Chenoweth, Darrell L., to United States of America, Navy. Automatic classification of images. 4,881,270, 11-14-89, Cl. 382-17.000.
Knecht, Klaus: *See—*
Fick, Peter; and Knecht, Klaus, 4,814,138, Cl. 376-463.000.
Musiol, Werner; Knecht, Klaus; and Henzel, Norbert, 4,847,042, Cl. 376-316.000.
Knecht, Peter; Schulte, Thomas R.; and Drnevich, Raymond F., to Union Carbide Corporation. Process for injection of oxidant and liquid into a well. 4,834,178, 5-30-89, Cl. 166-261.000.
Knecht, Thomas A.; Ruf, James; and Schulte, John P., to Rosemount Inc. Pressure transducer with stress isolation for hard mounting. 4,800,758, 1-31-89, Cl. 73-727.000.
Knecht, Thomas A.; Frick, Roger L.; and Bruesehoff, Steven M., to Rosemount Inc. Differential pressure sensor. 4,833,920, 5-30-89, Cl. 73-717.000.
Knee, Michael J.: *See—*
Wells, Nicholas D.; Knee, Michael J.; and Sandbank, Charles P., 4,862,264, Cl. 358-138.000.
Kneebone, Ken L.: *See—*
Bramhall, Dan E.; and Kneebone, Ken L., 4,821,648, Cl. 105-377.000.
Kneeland, J. Bruce: *See—*
Hyde, James S.; Froncisz, Wojciech; Jesmanowicz, Andrzej; and Kneeland, J. Bruce, 4,866,387, Cl. 324-318.000.
Kneer, Franz X., to Gebruder Weiss K.G. Arrangement for the essentially uniform level placement of bulk material in an upright circular cylindrical vessel. 4,820,108, 4-11-89, Cl. 414-301.000.
Kneezel, Gary A.; Drake, Donald J.; and Fisher, Almon P., to Xerox Corporation. Fluid handling device with filter and fabrication process therefor. 4,864,329, 9-5-89, Cl. 346-140.00R.
Kneezel, Gary A.: *See—*
Deshpande, Narayan V.; Ims, Dale R.; Hermanson, Herman A.; Kneezel, Gary A.; and Markham, Roger G., 4,831,390, Cl. 346-140.00R.
Pond, Stephen F.; Kneezel, Gary A.; Lorenze, Robert V.; O'Horo, Michael P.; Maltz, Martin S.; and Kellerman, Richard, 4,860,030, Cl. 346-76.0PH.
Knego, Frank M.; Cox, Fred D.; and Klapheke, James W. Automatic pet feeding device. 4,805,560, 2-21-89, Cl. 119-51.120.
Kneib, Kristine N.: *See—*
Batzer, John L.; and Kneib, Kristine N., 4,856,030, Cl. 375-106.000.
Kneib, Rudi: *See—*
Heimbrodt, Klaus-J.; Simon, Dieter; Feichtiger, Dieter; Kneib, Rudi; Weikert, Gunther; Schneider, Wolfgang; Hoffmann, Ruediger; and Reinhard, Theodor, 4,827,976, Cl. 137-606.000.
Holzhauer, Horst; Weikert, Gunther; Kneib, Rudi; Polic, Marko; Robitschko, Peter; and Reinhard, Theodor, 4,866,416, Cl. 340-426.000.
Leschke, Harald; Baumert, Heinz; and Kneib, Rudi, 4,821,668, Cl. 116-28.00R.
Robitschko, Peter; Kneib, Rudi; and Polic, Marko, 4,805,233, Cl. 455-346.000.
Kneifel, Klemens; Peinemann, Klaus-Viktor; and Waldemann, Rudolf, to GKSS Forschungszentrum Geesthacht GmbH. Method of manufacturing an integral asymmetrical membrane. 4,818,452, 4-4-89, Cl. 264-41.000.
Kneifel, R. W., II: *See—*
Stone, Kirby L.; Kneifel, R. W., II; and Brockman, John P., 4,799,981, Cl. 156-64.000.
Kneisel, Charles S.: *See—*
Herbert, Glenn M.; Kneisel, Charles S.; McDonald, Russell; Povio, Raymond A.; and Zirilli, Michele D., 4,887,805, Cl. 271-94.000.
Kneisel, Joseph P. Roof planking with multi beaded gasket strip. 4,862,665, 9-5-89, Cl. 52-539.000.
Knell, Harvey A.: *See—*
Degeeter, Robert L.; and Knell, Harvey A., 4,854,813, Cl. 414-723.000.
Knelson, Benjamin V. Centrifugal separator. 4,846,781, 7-11-89, Cl. 494-27.000.
Knepper, Hans-Reinhard. Process and installation for the automatic control of a utility vehicle. 4,878,003, 10-31-89, Cl. 318-587.000.
Knepper, James A., to International Business Machines Corporation. Roll release mechanism. 4,872,661, 10-10-89, Cl. 271-273.000.
Knepper, Paul A. Method for the prevention of ocular hypertension, treatment of glaucoma and treatment of ocular hypertension. 4,812,448, 3-14-89, Cl. 514-178.000.
Knerr, Allan R.: *See—*
Lindvay, Michael W.; Knerr, Allan R.; and Sollner, George H., 4,849,465, Cl. 524-736.000.
Knerr, Edwin R.; Hart, Robert; and Cowan, William S., to National Oil Well (U.K.) Limited. Wellhead connection of hydraulic control lines. 4,852,611, 8-1-89, Cl. 137-595.000.
Knerr, Michael P.: *See—*
Bowlin, William P.; Knerr, Michael P.; and Ballance, Jeffrey D., 4,879,659, Cl. 364-468.000.
Knestele, Leopold. Shampooing apparatus for carpets and the like. 4,884,310, 12-5-89, Cl. 15-3.000.
Knetzger, Robert C., to NeoToy Partnership. Gaming method and apparatus. 4,871,176, 10-3-89, Cl. 273-237.000.
Knez, Jordan. Apparatus for treating round objects. 4,881,287, 11-21-89, Cl. 15-21.00A.
Knezek, Karen L.: *See—*
Dorn, Gordon L.; Fleming, William H.; and Knezek, Karen L., 4,847,128, Cl. 435-34.000.

Knibbe, Engel J., to U.S. Philips Corporation. Picture pick-up device including a solid-state sensor and operating with a signal interference reduction. 4,825,292, 4-25-89, Cl. 358-213.240.
Knibbeler, Charles L. C. M., to U.S. Philips Corporation. Method of and arrangement for adjusting the transfer characteristic to two listening position in a space. 4,888,809, 12-19-89, Cl. 381-103.000.
Knibbs, Richard H.: *See—*
Gutman, Richard G.; Knibbs, Richard H.; and Williams, Gwilym H., 4,832,841, Cl. 210-232.000.
Knibbs, Simon: *See—*
Gray, Nigel; Knibbs, Simon; Finlay, Patrick A.; and Crocker, Robert L., 4,870,970, Cl. 128-660.090.
KNICA Corporation: *See—*
Kobayashi, Kazuhiro; Kurematsu, Masayuki; Koboshi, Shigeharu; Goto, Nobutaka; and Takabayashi, Naoki, 4,874,530, Cl. 210-718.000.
Knickerbocker, Edward N.: *See—*
Krupp, Stephen P.; Knickerbocker, Edward N.; and Bieser, John O., 4,842,922, Cl. 428-198.000.
Knickerbocker, Harry W. Camouflage system and material. 4,868,019, 9-19-89, Cl. 428-17.000.
Knickerbocker, Kelly L.: *See—*
Baumbaugh, Alan E.; and Knickerbocker, Kelly L., 4,809,232, Cl. 365-221.000.
Kniebel, Charles J.; Schieffer, Virgil; and Bredt, Robert C., to Horton Industries, Inc. Rotational control apparatus. 4,877,117, 10-31-89, Cl. 192-85.00A.
Kniepkamp, Larry E., to Marsh Company. Valve and nozzle system for ink jet printing apparatus. 4,819,009, 4-4-89, Cl. 346-75.000.
Knierim, Daniel G.: *See—*
Kareem, Arif; Walker, George S.; and Knierim, Daniel G., 4,843,309, Cl. 324-121.00R.
Olisar, Ronald A.; and Knierim, Daniel G., 4,873,456, Cl. 307-272.100.
Knierim, David L., to Tektronix, Inc. Method and circuit for computing reciprocals. 4,823,301, 4-18-89, Cl. 364-761.000.
Kniese, Arnd: *See—*
Aab, Hans W.; and Kniese, Arnd, 4,821,877, Cl. 206-338.000.
Kniese, Wolfgang; and Schempp, Otto, to Winchester Electronics. High density edgecard connector system. 4,806,103, 2-21-89, Cl. 439-60.000.
Kniest, James N.; and Campbell, Dean D., to Ultrasonic Arrays, Inc. Automatic calibration method for thickness gauges. 4,823,590, 4-25-89, Cl. 73-1.00J.
Knietzsch, Hans-Dieter; and Wesner, Gerhard, to VDO Adolf Schindling AG. Pointer for an indicating instrument. 4,848,264, 7-18-89, Cl. 116-332.000.
Kniffin, M. John: *See—*
Chudy, John S.; Kniffin, M. John; and McNeil, D. Yvonne, 4,833,898, Cl. 62-51.100.
Kniffler, Norbert, to Messerschmitt-Bolkow-Blohm GmbH. Sensor element with a memory for abnormal changes of the incident light intensity. 4,846,559, 7-11-89, Cl. 350-342.000.
Knifton, John F.; and Grice, Neal J., to Texaco Chemical Company. Method for one-step synthesis of methyl t-butyl ether. 4,822,921, 4-18-89, Cl. 565-698.000.
Knifton, John F., to Texaco Chemical Company. Method for one-step synthesis of methyl t-butyl ether. 4,827,048, 5-2-89, Cl. 568-698.000.
Knifton, John F., to Texaco Chemical Company. Method for production of phenol/acetone from cumene hydroperoxide. 4,870,217, 9-26-89, Cl. 568-798.000.
Knifton, John F.; and Grice, Neal J., to Texaco Chemical Company. Method for production of phenol/acetone from cumene hydroperoxide. 4,876,397, 10-24-89, Cl. 568-798.000.
Knifton, John F.: *See—*
Sung, Rodney L.; Behrens, Milton D.; Caggiano, Michael A.; Knifton, John F.; Larkin, John M.; and Zimmerman, Robert L., 4,810,261, Cl. 44-62.000.
Knight, Alan C.: *See—*
Hartman, Frederick N.; and Knight, Alan C., 4,824,511, Cl. 156-306.600.
Knight, Barry T.: *See—*
Hibbard, Billy B.; Mann, Joe A.; Koeleveld, Frans P. P.; Potepan Agnes K.; White, Richard E.; Knight, Barry T.; and Bryant, Howard H., 4,837,281, Cl. 525-234.000.
Knight, D. Gordon; and Benyon, William, to Northern Telecom Limited. Growth of semi-insulating indium phosphide by liquid phase epitaxy. 4,849,373, 7-18-89, Cl. 437-129.000
Knight, David John: *See—*
Knight, May, 4,802,518, Cl. 144-193.00R.
Knight, Douglas G.; and Benyon, William, to Northern Telecom Limited. Interrupted liquid phase epitaxy process. 4,859,628, 8-22-89, Cl. 437-133.000.
Knight, Edwin L.: *See—*
Clough, Arthur H.; Knight, Edwin L.; and Borbone, Joseph A., 4,831,782, Cl. 51-48.00R.
Clough, Arthur H.; and Knight, Edwin L., 4,850,146, Cl. 51-50.00R.
Clough, Arthur H.; and Knight, Edwin L., 4,858,387, Cl. 51-34.00E.
Knight, Eldon L. Circuit with memory for detecting intermittent changes in resistance, current, voltage, continuity, power interruption, light, and temperature. 4,862,142, 8-29-89, Cl. 340-522.000.
Knight, Eric A. Physical training accessory. 4,854,572, 8-8-89, Cl. 272-70.000.
Knight, Ernest, Jr.: *See—*
Fahey, Diana; and Knight, Ernest, Jr., 4,803,163, Cl. 435-68.000.
Knight, George M., to Lockheed Corporation. Compact wave antenna system. 4,847,627, 7-11-89, Cl. 343-705.000.
Knight, George W.: *See—*
Sawyer, Lawrence H.; and Knight, George W., 4,830,907, Cl. 428-225.000.
Sawyer, Lawrence H.; and Knight, George W., 4,880,691, Cl. 428-225.000.
Knight, Glenn L., Jr.: *See—*
Nash, Dudley O.; Knight, Glenn L., Jr.; and Bertke, James H., 4,840,026, Cl. 60-271.000.
Knight, Harold W.; and Hale, David E. Game call. 4,888,903, 12-26-89, Cl. 43-1.000.
Knight, John B.; and Rodway, Raymond B., to Knight, John B. Bicycle stand. 4,846,353, 7-11-89, Cl. 211-22.000.
Knight, John D.; Shapiro, Robert D.; Banks, Frank H.; Mitchell, Andrew; Sunray, Barry S.; and DeFrancesco, Robert A., to Scully, Robert. Residential fuel-oil level reporting and alarm system. 4,845,486, 7-4-89, Cl. 340-618.000.
Knight, Linda C.: *See—*
Maurer, Alan H.; Knight, Linda C.; and Siegel, Jeffrey A., 4,867,963, Cl. 424-9.000.
Knight, Margaret A., to Xerox Corporation. Sheet collection devices and sheet processors utilizing same. 4,824,091, 4-25-89, Cl. 271-178.000.
Knight, May, to Knight, David John. Log cutting machine. 4,802,518, 2-7-89, Cl. 144-193.00R.
Knight-Mechadyne Limited: *See—*
Russell, Peter J., 4,821,603, Cl. 74-715.000
Knight, Michael J., to Knight Technology Ltd. Microcomputer with software protection. 4,823,308, 4-18-89, Cl. 364-900.000.
Knight, Michael R., to Dal-Tex Specialty & Mfg. Co. Nut apparatus. 4,820,096, 4-11-89, Cl. 411-169.000.
Knight, Onis A., Jr., to Container Corporation of America. Container top closure arrangement. 4,830,282, 5-16-89, Cl. 229-135.000.
Knight, Patricia M.; Portnoy, Vladimir; Christ, F. Richard; Alosio, Alan E.; Van Gent, Stanley L.; and Paul, Lyle E., to Allergan, Inc. Staking ring for soft IOL. 4,834,751, 5-30-89, Cl. 623-6.000.
Knight, Patricia M.: *See—*
Kaufman, Herbert E.; Knight, Patricia M.; and Buchen, Shelley, 4,860,885, Cl. 206-5.100.
Knight, Paul: *See—*
Dunstan, Harvey J.; Harfield, John G.; Knight, Paul; and Podgorney, Harvey J., 4,797,624, Cl. 328-114.000.
Knight, Peter C.: *See—*
Evans, Elfed H.; and Knight, Peter C., 4,818,424, Cl. 252-91.000.
Evans, Elfed H.; and Knight, Peter C., 4,820,441, Cl. 252-174.180.
Knight, Richard B. D., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Analogue to digital converter of the multi-slope type. 4,857,933, 8-15-89, Cl. 341-168.000.
Knight, Robert C.; and Haws, Gerald W., to Marathon Oil Company. Bottom hole shut in tool. 4,804,042, 2-14-89, Cl. 166-184.000.
Knight, Robert J.: *See—*
Shantz, Ronald B.; and Knight, Robert J., 4,832,769, Cl. 156-73.500.
Knight, Roger W.: *See—*
Newman, Oliver M. G.; Bond, Alan M.; and Knight, Roger W., 4,804,443, Cl. 204-1.00T.
Knight Technology Ltd.: *See—*
Knight, Michael J., 4,823,308, Cl. 364-900.000.
Knight, Thomas F.: *See—*
Holloway, John T.; Moon, David A.; Cannon, Howard I.; Knight, Thomas F.; Edwards, Bruce E.; and Weinreb, Daniel L., 4,887,235, Cl. 364-900.000.
Nestler, Eric; and Knight, Thomas F., 4,799,055, Cl. 340-710.000.
Knight, Thomas F., Jr., to Symbolics, Inc. System and method for parallel processing with mostly functional languages. 4,825,360, 4-25-89, Cl. 364-200.000.
Knight, Val R. Charcoal water filter/strainer. 4,798,672, 1-17-89, Cl. 210-282.000.
Knight, William R.: *See—*
Trueba, Kenneth E.; Knight, William R.; and Nielsen, Niels J., 4,882,595, Cl. 346-140.00R.
Knighton, Nigel J.: *See—*
Storrow, Alan J.; and Knighton, Nigel J., 4,879,634, Cl. 361-388.000.
Knights, Douglas. Garden scoop. 4,796,938, 1-10-89, Cl. 294-55.000.
Knijpstra, Hette, to Knijpstra Konstruktie B. V. Amusement device having a rotatable, swivelling and tiltable rigid gondola. 4,807,869, 2-28-89, Cl. 272-28.00R.
Knijpstra Konstruktie B. V.: *See—*
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Knipe, Charles D.; and Mather, Edward L., to BICC Public Limited Company. Optical cable. 4,798,443, 1-17-89, Cl. 350-96.230.
Knipp, Herbert; and Schulz, Wolfgang, to Huels Aktiengesellschaft. Foamable, gelable and heat vulcanizable composition of matter for the the manufacture of latex foam. 4,870,112, 9-26-89, Cl. 521-70.000.
Knippitsch, Stefan: *See—*
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- Knirck, Jeffrey G.: *See—*
  - Cameron, John F.; Knirck, Jeffrey G.; and Wise, Lawrence A., 4,839,679, Cl. 354-234.100.
- Knirsch, Franco; Soudaz, Anna M.; and Genova, Alessandro, to Ing. C. Olivetti & C., S.p.A. Ink for an ink jet printer. 4,836,852, 6-6-89, Cl. 106-22.000.
- Knisch, Konrad, to Robot Foto und Electronic GmbH & Co. KG. Traffic monitoring device. 4,866,438, 9-12-89, Cl. 340-936.000.
- Kniskern, Peter J.: *See—*
  - Ellis, Ronald W.; Hagopian, Arpi; and Kniskern, Peter J., 4,816,564, Cl. 530-350.000.
  - Marburg, Stephen; Kniskern, Peter J.; and Tolman, Richard L., 4,882,317, Cl. 514-54.000.
- Kniskern, Robert J.; Dygert, Timothy W.; Chesney, Casey; and Blomenberg, Timothy, to Sci-Agra, Inc. Reflected light detecting apparatus and method. 4,868,901, 9-19-89, Cl. 250-222.200.
- Knispel, Joel; and Wright, Geoffrey, to Neurosonics, Inc. Method and apparatus for translating the EEG into music to induce and control various psychological and physiological states and to control a musical instrument. 4,883,067, 11-28-89, Cl. 128-732.000.
- Kniss, Helmut; and Schmidt, Wolfgang, to Robert Bosch GmbH. Circuit arrangement for evaluating the signals of an inductive sensor. 4,866,298, 9-12-89, Cl. 307-268.000.
- Kniss, Kraig S.: *See—*
  - Schroer, William L.; and Kniss, Kraig S., 4,834,267, Cl. 222-185.000.
- Knit-Rite, Inc.: *See—*
  - Smith, William B., Field, Martha M.; Pierce, Lawrence, Jr.; and Dalbey, Jeffrey C., 4,840,635, Cl. 623-36.000.
- Knitig, Gerald M., to Franklin, Willie Loree, a part interest. Rope grip apparatus. 4,830,340, 5-16-89, Cl. 254-391.000.
- Knitsch, Gerhard: *See—*
  - Mente, Kurt; and Knitsch, Gerhard, 4,818,466, Cl. 264-555.000.
  - Mente, Kurt; and Knitsch, Gerhard, 4,847,035, Cl. 264-555.000.
- Knittel, Helmut; Bauer, Roland; Liedek, Egon; and Etzrodt, Guenter, to BASF Lacke & Farben Aktiengesellschaft. Thermostable rutile mixed phase pigments. 4,844,741, 7-4-89, Cl. 106-436.000.
- Knittel, Helmut: *See—*
  - Wienand, Henning; Ostertag, Werner; Schwidetzky, Christoph; and Knittel, Helmut, 4,851,049, Cl. 106-479.000.
- Knitter, Veronica. Flavored saliva absorber and method of manufacture. 4,813,872, 3-21-89, Cl. 433-136.000.
- Knitzer, Peter. Soft drink advertising device. 4,883,187, 11-28-89, Cl. 215-1.00R.
- Knobbe, Alan J.: *See—*
  - Sharpless, John; Knobbe, Alan J.; White, Kenneth A.; and Crum, Gerald W., 4,819,879, Cl. 239-691.000.
  - Wacker, Robert L.; Shuster, Donald E.; Sharpless, John; Knobbe, Alan J.; and Murphy, James C., 4,887,770, Cl. 239-703.000.
- Knobbe, Edward T.: *See—*
  - Wreede, John E.; and Knobbe, Edward T., 4,808,500, Cl. 430-1.000.
- Knobel, Thomas M.; Walker, Mary K.; and Maschmeyer, Donald M., to Dow Chemical Company, The. Organic composition containing a fluoroalkyl sulfonic acid salt. 4,806,571, 2-21-89, Cl. 521-107.000.
- Knobel, Thomas M.; and Walker, Mary A., to Dow Chemical Company, The. Oxynitrate additive for polyurethane foams. 4,814,358, 3-21-89, Cl. 521-123.000.
- Knobel, Thomas M.; and Walker, Mary A., to Dow Chemical Company, The. Oxynitrate additive for polyurethane foams. 4,826,883, 5-2-89, Cl. 521-123.000.
- Knobel, Thomas M.; and Walker, Mary A., to Dow Chemical Company, The. Oxynitrate additive for polyurethane foams. 4,863,975, 9-5-89, Cl. 521-123.000.
- Knobel, Thomas M.: *See—*
  - Saavedra, Jose V.; Hunter, Douglas L.; Sims, Steve A.; Maschmeyer, Donald M.; and Knobel, Thomas M., 4,861,805, Cl. 521-105.000.
- Knoblauch, Karl; Tarnow, Ferdinand; and Heimbach, Heinrich, to Bergwerksverband GmbH. Process for producing carbon molecular sieves. 4,880,765, 11-14-89, Cl. 502-432.000.
- Knoblauch, Karl: *See—*
  - Richter, Ekkehard; Juntgen, Harald; Schmidt, Hans-Jurgen; and Knoblauch, Karl, 4,855,116, Cl. 423-239.000.
- Knobloch, Gerrit: *See—*
  - Meier, Hans-Rudolf; and Knobloch, Gerrit, 4,857,572, Cl. 524-289.000.
- Knobloch, Hans. Method for operating an internal combustion engine. 4,794,891, 1-3-89, Cl. 123-90.110.
- Knobloch, Osbert; and Muller, Manfred, to Krupp Polysius AG. Method and apparatus for crushing brittle material for grinding. 4,875,628, 10-24-89, Cl. 241-24.000.
- Knobloch, Robert R.: *See—*
  - Erickson, David J., II; Naylor, Michael G.; and Knobloch, Robert R., 4,842,530, Cl. 439-98.000.
- Knoblock, Glenn A.; and Scolten, Brian L., to Steelcase Inc. Slip connector for weight actuated height adjustors. 4,872,635, 10-10-89, Cl. 248-406.200.
- Knoch, Martin; Reul, Helmut; and Rau, Gunter, to B. Braun Melsungen AG. Cardiac valve prosthesis. 4,799,930, 1-24-89, Cl. 623-2.000.
- Knoch, Martin; Reul, Helmut; and Rau, Gunter, to B. Braun Melsungen AG. Cardiac valve prosthesis. 4,846,830, 7-11-89, Cl. 623-2.000.
- Knoche, Christoph: *See—*
  - Bucking, Heinz L.; Knoche, Christoph; and Sieweke, Wilhelm, 4,832,106, Cl. 164-98.000.
- Knoche, Ronald: *See—*
  - Beisswenger, Hans; Knoche, Ronald; and Frank, Wolfgang, 4,817,563, Cl. 122-4.00D.
- Knoche, Thomas A.: *See—*
  - Monroe, James C.; Roberts, Stephen E.; and Knoche, Thomas A., 4,829,583, Cl. 382-13.000.
- Knochel, John R.: *See—*
  - Medcalf, Ralph F., Jr.; Visscher, Martha O.; Knochel, John R.; and Dahlgren, Richard M., 4,820,447, Cl. 252-117.000.
- Knochel, Reinhard; and Kohler, Jurgen, to U.S. Philips Corporation. Microwave component. 4,806,941, 2-21-89, Cl. 343-700.0MS.
- Knode, Charles R.: *See—*
  - Cowley, Terry W.; Faulk, Allen R., Jr.; and Knode, Charles R., 4,828,798, Cl. 422-62.000.
- Knodel, Bryan D., to CBI Research Corporation. Direct contact evaporator/freezer. 4,838,039, 6-13-89, Cl. 62-330.000.
- Knodel, Gunter; and Lees, Wolfgang, to Getrag Getriebe- und Zahnradfabrik GmbH. Synchronizing mechanism for clutches. 4,817,773, 4-4-89, Cl. 192-53.00F.
- Knodel, Gunter; and Henzler, Helga, to Getrag Getriebe- und Zahnradfabrik GmbH. Synchronizing mechanism for shifting clutches. 4,836,348, 6-6-89, Cl. 192-53.00F.
- Knodel, Paul: *See—*
  - Gotz, Rainer; Pfeiffer, Gerhard; Knodel, Paul; Scheid, Willi; and Clusserath, Ludwig, 4,827,988, Cl. 141-167.000.
- Knodle, Daniel W.; Mace, Leslie E.; and Labuda, Lawrence L., to Cascadia Technology Corporation. Gas analyzers. 4,859,858, 8-22-89, Cl. 250-504.00R.
- Knodle, Daniel W.; and Crone, William E., to Cascadia Technology Corporation. Gas analyzers. 4,859,859, 8-22-89, Cl. 250-504.00R.
- Knodler, Reinhard: *See—*
  - Harbach, Friedrich; Knodler, Reinhard; Krapf, Rudolf; Mernicke, Stefan; and Weiler, Ludwig, 4,800,143, Cl. 429-153.000.
- Knodt, Ruediger W., to Xerox Corporation. Machine-operator interface methods. 4,799,083, 1-17-89, Cl. 355-14.00R.
- Knoedler, Christina M.: *See—*
  - Heiblum, Mordehai; Knoedler, Christina M.; and Thomas, David C., 4,833,517, Cl. 357-34.000.
- Knoedler, Roy E.; Morton, Kenneth P.; and Schroer, Charles E., to Cosco, Inc. Collapsible walker. 4,799,700, 1-24-89, Cl. 280-87.051.
- Knoefler, Wolfram: *See—*
  - Kurze, Peter; Krysmann, Waldemar; Knoefler, Wolfram; and Graf, Hans-Ludwig, 4,846,837, Cl. 623-16.000.
- Knoell, Hartwig: *See—*
  - Ding, Kurt; Knoell, Hartwig; Wenzl, Josef; and Biebl, Hermann, 4,804,905, Cl. 324-61.00P.
  - Ding, Kurt; Knoell, Hartwig; Wenzl, Josef; and Biebl, Hermann, 4,823,071, Cl. 324-61.00R.
- Knoell, Helmut: *See—*
  - Pennewiss, Horst; Jost, Heinz; and Knoell, Helmut, 4,822,508, Cl. 252-56.00R.
  - Pennewiss, Horst; Jost, Heinz; and Knoell, Helmut, 4,867,894, Cl. 252-56.00R.
- Knoell, Peter P.: *See—*
  - Hopkins, John W.; and Knoell, Peter P., 4,852,336, Cl. 56-202.000.
- Knoepke, John R.: *See—*
  - Jackson, Charles R.; Rellis, Daniel, Jr.; Pielet, Howard M.; Bhattacharya, Debanshu; Frank, Larry A.; Dasgupta, Purnendu; and Knoepke, John R., 4,852,632, Cl. 164-437.000.
  - Moscoe, Gerald F.; Matervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,828,014, Cl. 164-437.000.
  - Moscoe, Gerald F.; Mastervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,860,819, Cl. 164-437.000.
  - Peters, Anthony T.; Fosnacht, Donald R.; and Knoepke, John R., 4,848,755, Cl. 266-216.000.
  - Peters, Anthony T., Fosnacht, Donald R.; and Knoepke, John R., 4,849,167, Cl. 420-129.000.
- Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, to Bayer Aktiengesellschaft. Cycloaliphatic diisocyanates optionally in the form of isomer mixtures and a process for their production. 4,879,408, 11-7-89, Cl. 560-330.000.
- Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, to Bayer Aktiengesellschaft. Cycloaliphatic diisocyanates optionally in the form of isomeric mixtures and a process for their preparation. 4,879,409, 11-7-89, Cl. 560-330.000.
- Knofler, Wolfram: *See—*
  - Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Loewicke, Gerold; Knofler, Wolfram; and Graf, Hans-Ludwig, 4,832,602, Cl. 433-220.000.
- Knogler, Wolfgang: *See—*
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- Knogo Corporation: *See—*
  - Cooper, Michael N., 4,870,391, Cl. 340-572.000.
- Knoll AG: *See—*
  - Brana, Miguel F.; Berlanga, Jose M. C.; Keilhauer, Gerhard; and Schlick, Erich, 4,874,863, Cl. 540-99.000.
- Knoll, Arthur S.: *See—*
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- Knoll, Berta: *See—*
  - Knoll, Jozsef; Harmath, Sandor; Nagy, Janos; and Knoll, Berta, 4,859,766, Cl. 530-380.000.

- Knoll, Donald W.; Shelton, David L.; and Szymczak, Thomas J., to S. C. Johnson & Son, Inc. Local treatment of dandruff, seborrheic dermatitis, and psoriasis. 4,822,604, 4-18-89, Cl. 424-70.000.
- Knoll, Erwin: *See—*
  - Beer, Michael; Hofbauer, August; and Knoll, Erwin, 4,798,181, Cl. 123-188.0GC.
- Knoll, Frank J.: *See—*
  - Fawcett, Timothy G.; Harris, William C., Jr.; Newman, Robert A.; Whiting, Lawrence F.; and Knoll, Frank J., 4,821,303, Cl. 378-80.000.
- Knoll, Frank S.; and Jackson, Arnold H., to Carpco, Inc. Particle feeding apparatus. 4,849,099, 7-18-89, Cl. 209-127.100.
- Knoll, Frederick L., to Boeing Company, The. Method for consolidating composite materials. 4,859,267, 8-22-89, Cl. 156-273.700.
- Knoll, Glenn F.; Strange, Donald R.; and Bennett, Matthew C., Jr., to Siemens Gammasonics, Inc. Radiation signal processing system. 4,817,038, 3-28-89, Cl. 364-413.240.
- Knoll, Glenn F.: *See—*
  - Henderson, Timothy M.; and Knoll, Glenn F., 4,795,910, Cl. 250-483.100.
- Knoll, Helmut: *See—*
  - Husslein, Julius; Wittauer, Gunther; Knoll, Helmut; and Dandl, Robert, 4,798,938, Cl. 219-395.000.
- Knoll International, Inc.: *See—*
  - Armstrong, Eric J.; and McClanahan, David D., 4,883,330, Cl. 312-195.000.
  - Hannah, Bruce R.; Eldon, James B.; Armstrong, Eric J.; Smith, Harold A.; and Campbell, Philip J., 4,826,123, Cl. 248-248.000.
  - Morrison, Andrew I.; Rozier, Charles; and Reuter, Robert, 4,828,513, Cl. 439-527.000.
- Knoll, Jozsef; Harmath, Sandor; Nagy, Janos; and Knoll, Berta, to Richter Gedeon Vegyeszeti Gyar Rt. Purified appetite-regulating substances of biological orgin, their antibodies, immunocomplexes of the appetite—regulating substances formed with the antibodies and processes for preparing same. 4,859,766, 8-22-89, Cl. 530-380.000.
- Knoll, Jozsef; Birkmayer, Walter; Kalloy, Katalin; Marton, Jeno; and Ecsery, Zoltan, to Chinoin Gyogyszer Es Vegyeszeti Termekek Gyara RT. Synergistic pharmaceutical compositions, their production and use. 4,880,833, 11-14-89, Cl. 514-565.000.
- Knoll, Manfred: *See—*
  - Lauberg, Dietrich; Blinne, Gerd; Ittemann, Peter; Heinz, Gerhard; Seiler, Erhard; and Knoll, Manfred, 4,798,855, Cl. 523-435.000.
- Knoll, Peter; Konig, Winfried; and Rapps, Peter, to Robert Bosch GMBH. System of navigation for vehicles. 4,888,699, 12-19-89, Cl. 364-449.000.
- Knoll, William C.: *See—*
  - Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased; Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., 4,802,859, Cl. 439-74.000.
- Knoll, William D. Beach rap. 4,846,205, 7-11-89, Cl. 135-106.000.
- Knolle, Jochen: *See—*
  - Breipohl, Gerhard; Knolle, Jochen; Konig, Wolfgang; and Scholkens, Bernward, 4,861,755, Cl. 514-11.000.
- Knollenberg, Robert G., to Particle Measuring Systems, Inc. Particle size detection device having high sensitivity in high molecular scattering environment. 4,798,465, 1-17-89, Cl. 356-336.000.
- Knoop, Donald E.; and Paustian, John K., to Whirlpool Corporation. Automatic water level control system for an automatic washer. 4,835,991, 6-6-89, Cl. 68-12.00R.
- Knoop, Heinz-Peter, to Martor-Ragentax E.H. Beermann KG. Utility knife having a sliding blade holder. 4,805,304, 2-21-89, Cl. 30-162.000.
- Knoop, Heinz-Peter, to Martor-Argentax E.H. Beermann KG. Hollow-handle utility knife replaceable blade. 4,835,865, 6-6-89, Cl. 30-162.000.
- Knop, Hans-Georg; and Schulz-Hennig, Jorg, to Dr. Ing. Rudolf Hell GmbH. Diaphragm arrangement for opto-electronic scanning of originals. 4,812,913, 3-14-89, Cl. 358-285.000.
- Knop, Klaus; Wolters, Gunter; and Kubiak, Helmut, to Man Gutehoffnungshuette GmbH. Process for gasifying coal. 4,852,996, 8-1-89, Cl. 48-197.00R.
- Knop, Reinhard, to Jagenberg Aktiengesellschaft. Device for coating a web of material. 4,836,134, 6-6-89, Cl. 118-413.000.
- Knopf, Edward J. Beverage filter dispenser. 4,805,801, 2-21-89, Cl. 221-210.000.
- Knopf, Robert J.; and Theiling, Louis F., Jr., to UOP. Alkoxylation using calcium catalysts and products therefrom. 4,820,673, 4-11-89, Cl. 502-167.000.
- Knopf, Robert J.; and Theiling, Louis F., Jr., to Union Carbide Chemicals and Plastics Company Inc. Alkoxylation using calcium catalysts and products therefrom. 4,886,917, 12-12-89, Cl. 568-623.000.
- Knopf, Ulrich C.; and Sieber, Joseph, to Agrogen Stiftung. Apparatus for cooling and deep freezing samples of biological material enclosed in vessels. 4,799,358, 1-24-89, Cl. 62-3.000.
- Knopfhart, Peter K.: *See—*
  - Marker, Edwin M.; Thacker, Paul F.; and Knopfhart, Peter K., 4,855,110, Cl. 422-102.000.
- Knopp, Axel: *See—*
  - Fuhrmann, Castor; Hosan, Hans-Josef; Knopp, Axel; and Wurges, Gerd, 4,830,432, Cl. 297-304.000.
- Knopp, Kelly G.; and Lasater, Allen S., to Phillips Petroleum Company. Passivation of metal contaminated cracking catalysts. 4,816,134, 3-28-89, Cl. 208-113.000.
- Knopp, Kelly G.: *See—*
  - Kahlwes, William C.; and Knopp, Kelly G., 4,843,050, Cl. 502-41.000.
- Knops, Hans-Joachim; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; and Reinecke, Paul, to Bayer Aktiengesellschaft. Fungicidal substituted cyclopropyl oxime ethers. 4,797,412, 1-10-89, Cl. 514-383.000.
- Knorr, Andreas: *See—*
  - Bender, Wolfgang; Henning, Rolf; Knorr, Andreas; and Stasch, Johannes-Peter, 4,818,748, Cl. 514-16.000.
  - Garthoff, Bernward; Gerold, Marcel; Hefti, Fridolin; Kazda, Stanislav; and Knorr, Andreas, 4,859,665, Cl. 514-221.000.
  - Kinast, Gunther; Schwenner, Eckhard; Kazda, Stanislav; Knorr, Andreas; and Kayser, Michael, 4,808,622, Cl. 514-356.000.
  - Meyer, Horst; Schwenner, Eckhard; and Knorr, Andreas, 4,885,303, Cl. 514-332.000.
  - Schwenner, Eckhard; Stegelmeier, Hartmut; Kazda, Stanislav; and Knorr, Andreas, 4,861,782, Cl. 514-294.000.
  - Wehinger, Egbert; Meyer, Horst; Knorr, Andreas; and Kazda, Stanislav, 4,798,840, Cl. 514-356.000.
- Knorr-Bremse AG: *See—*
  - Gerum, Eduard; Hefter, Erik; Kessel, Gerd; and Weissflog, Manfred, 4,869,557, Cl. 303-3.000.
  - Hintner, Josef, 4,801,179, Cl. 303-22.200.
  - Wirth, Xaver, 4,795,005, Cl. 188-153.00R.
- Knorr, Charles: *See—*
  - Hertrich, Steffen; Ness, Friedrich; and Knorr, Charles, 4,800,851, Cl. 123-90.460.
- Knorr, Dietrich W.: *See—*
  - Daly, Mary M.; Keown, Robert W.; and Knorr, Dietrich W., 4,808,707, Cl. 536-3.000.
- Knorr, Harald; and Salbeck, Gerhard, to Hoechst Aktiengesellschaft. Process for the preparation of ortho-substituted arylcarboximidoesters. 4,843,167, 6-27-89, Cl. 558-6.000.
- Knorr, Siegfried G., to Colby Instruments, Inc. Programmable mechanical delay line. 4,843,355, 6-27-89, Cl. 333-160.000.
- Knorr, Volker: *See—*
  - Klimeck, Hugo; Knorr, Volker; and Wilken, Gerhard, 4,813,747, Cl. 299-43.000.
- Knorr, Winfried, to Minnesota Mining and Manufacturing Company. Support helix for a radially expanded resilient sleeve. 4,871,599, 10-3-89, Cl. 428-36.900.
- Knorreck, Peter, to Robert Bosch GmbH. Device for securing control magnets on injection pumps for diesel fuel. 4,854,282, 8-8-89, Cl. 123-357.000.
- Knosp, Helmut: *See—*
  - Frank, Christian; and Knosp, Helmut, 4,854,082, Cl. 51-109.00R.
- Knospins, Alfred. Method of securing mat adhesives to dentures. 4,867,681, 9-19-89, Cl. 433-180.000.
- Knotek, Otto: *See—*
  - Munz, Wolf-Dieter; Hensel, Bernd; Scherer, Michael; and Knotek, Otto, 4,871,434, Cl. 204-192.160.
- Knoth, Joachim; Schneider, Harald; and Schwenke, Heinrich, to GKSS Forschungszentrum Geesthacht GmbH. Arrangement for the non-destructive measurement of metal traces. 4,847,882, 7-11-89, Cl. 378-44.000.
- Knoth, Werner-Dieter; and Nebelung, Hermann H., to Emhart Industries, Inc. Manufacturing containers out of glass. 4,813,995, 3-21-89, Cl. 65-230.000.
- Knothe, Erich; Melcher, Franz-Josef; Maaz, Gunther; Dardat, Klaus; and Sodler, Walter, to Sartorius GmbH. Balance with wind guard. 4,798,250, 1-17-89, Cl. 177-181.000.
- Knothe, Erich; Maaz, Gunther; and Handwerk, Volker, to Sartorius GmbH. Drying balance with temperature control. 4,798,252, 1-17-89, Cl. 177-245.000.
- Knothe, Erich; Melcher, Franz-Josef; and Oldendorf, Christian, to Sartorius GmbH. Method for storing data in an electrically erasable memory for carrying out this method. 4,811,293, 3-7-89, Cl. 365-189.000.
- Knothe, Erich; and Melcher, Franz-Josef, to Sartorius GmbH. Precision balance with scale on top. 4,884,645, 12-5-89, Cl. 177-180.000.
- Knott, Gilbert L.: *See—*
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- Knott, Howard C.: *See—*
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- Knott, Robert F.: *See—*
  - Blytas, George C.; and Knott, Robert F., 4,861,447, Cl. 204-181.800.
- Knott, Ronald P.: *See—*
  - Gjertsen, Robert K.; Knott, Ronald P.; and Sparrow, James A., 4,888,151, Cl. 376-327.000.
- Knott, Russell J., Sr. Crawfish harvesting boat. 4,817,553, 4-4-89, Cl. 114-255.000.
- Knotts, Thomas A., to Hewlett-Packard Company. Gigahertz rate integrated circuit package incorporating semiconductive MIS power-line substrate. 4,801,996, 1-31-89, Cl. 357-68.000.
- Knouse, Bobby W. Patient moving method. 4,868,938, 9-26-89, Cl. 5-81.00B.
- Knowles, Carl H., to Metrologic Instruments, Inc. Ultra-compact, hand-held laser scanner. 4,805,175, 2-14-89, Cl. 372-24.000.
- Knowles, Carter L. Gun magazine loader. 4,888,902, 12-26-89, Cl. 42-90.000.
- Knowles, Charlene G. Catamenial appliance. 4,799,929, 1-24-89, Cl. 604-331.000.
- Knowles, Jack V. Light weight thermal insulation material product and process. 4,803,107, 2-7-89, Cl. 428-68.000.
- Knowles, Richard A.: *See—*
  - Enoch, Jay M.; and Knowles, Richard A., 4,798,456, Cl. 351-222.000.

- Knowles, Steve; and Smith, William W., to Olin Corporation. Hybrid electrothermal/electromagnetic arcjet thruster and thrust-producing method. 4,866,929, 9-19-89, Cl. 60-202.000.
- Knowles, Steven C., to Olin Corporation. Non-erosive arcjet starting control system and method. 4,805,400, 2-21-89, Cl. 60-203.100.
- Knowles, Steven C.: *See—*
  - Smith, William W.; and Knowles, Steven C., 4,800,716, Cl. 60-203.100.
  - Smith, William W.; and Knowles, Steven C., 4,882,465, Cl. 219-121.480.
- Knowles, Vernon L.; and Kier, Robert E., to Hewlett-Packard Company. Sampled servo code format and system for a disc drive. 4,823,212, 4-18-89, Cl. 360-77.080.
- Knowles, William J.: *See—*
  - Dattagupta, Nanibhushan; and Knowles, William J., 4,808,520, Cl. 435-6.000.
- Knowlton, Glenn C. Method and apparatus for applying liquid acid to a surface. 4,834,803, 5-30-89, Cl. 134-3.000.
- Knowlton, James R., to Eastman Kodak Company. Video reproduction apparatus having automatic black and white calibration. 4,802,024, 1-31-89, Cl. 360-36.100.
- Knowlton, Paul: *See—*
  - Gallagher, Thomas A.; Knowlton, Paul; and Patarini, Leon, 4,880,131, Cl. 220-83.000.
- Knowlton, Robert E., to C-I-L Inc. Natural gas storage and retrieval system. 4,805,674, 2-21-89, Cl. 141-47.000.
- Knox, Arthur C., Jr.; and Witsken, Anthony. Wet grinding machine. 4,813,617, 3-21-89, Cl. 241-46.060.
- Knox, Carl E.: *See—*
  - Barber, John H.; Brown, Curtis L.; Duncan, Vernon R.; Knox, Carl E.; and Owen, Roderick D., 4,821,193, Cl. 364-431.020.
- Knox, Darryl T. Book mark. 4,838,198, 6-13-89, Cl. 116-239.000.
- Knox-Holmes, Brent: *See—*
  - Diprose, Michael F.; Williams, Edward E.; and Knox-Holmes, Brent, 4,869,016, Cl. 43-124.000.
- Knox, Lawrence D.; and Tsals, Izrail, to Caterpillar Inc. Method of bonding a magnetostrictive sheet to a shaft. 4,858,818, 8-22-89, Cl. 228-164.000.
- Knox, Renior L. Theft protection purse. 4,804,122, 2-14-89, Cl. 224-220.000.
- Knox, Richard C.: *See—*
  - Terwilliger, Donald N.; and Knox, Richard C., 4,858,938, Cl. 279-57.000.
- Knox, Walter H., III; and Layne, Ronald E., to Reynolds Metals Company. Plastics film laminates. 4,851,272, 7-25-89, Cl. 428-35.200.
- Knox, Walter H., III; and Layne, Ronald E., to Reynolds Metals Company. Plastics film laminants. 4,863,770, 9-5-89, Cl. 428-35.700.
- Knox, Walter H., III: *See—*
  - Caldwell, Janice D.; and Knox, Walter H., III, 4,880,697, Cl. 428-35.400.
- KNP Papier B.V.: *See—*
  - de Wilde, Etienne F.; and Broens, Hubertus W., 4,849,108, Cl. 210-603.000.
- Knuchel, Pierre; and Nollez, Jacques, to Bendix France. Leakage device for the drainage of a diaphragm accumulator. 4,877,055, 10-31-89, Cl. 137-568.000.
- Knud Simonsen Industries Limited: *See—*
  - Norrie, Lyle W., 4,829,637, Cl. 17-51.000.
  - Norrie, Lyle W., 4,838,036, Cl. 62-63.000.
- Knudsen, Christian W.: *See—*
  - Stahl, Charles R.; Gibson, Michael A.; and Knudsen, Christian W., 4,876,780, Cl. 29-157.400.
- Knudsen, Christopher G.; Michaely, William J.; James, Donald R.; and Chin, Hsiao-Ling M., to Stauffer Chemical Company. Certain 4-oxo-3-benzoylvalerolactones and thiolactones. 4,808,733, 2-28-89, Cl. 549-292.000.
- Knudsen, Christopher G., to Stauffer Chemical Company. 3-chloro-2-(2′-substituted benzoyl)-cyclohex-2-enone intermediate compounds. 4,837,352, 6-6-89, Cl. 558-396.000.
- Knudsen, Christopher G., to Stauffer Chemical Company. Certain 2-(2-substituted benzoyl)-4-(substituted imino, oximino or carbonyl)-1,3-cyclohexanediones. 4,838,932, 6-13-89, Cl. 71-98.000.
- Knudsen, Christopher G., to Stauffer Chemical Company. Method of controlling undesirable vegetation utilizing certain 3-(substituted thio)-2-benzoyl-cyclohex-2-enones. 4,854,966, 8-8-89, Cl. 71-103.000.
- Knudsen, Christopher G., to ICI Americas Inc. Certain 3-(substituted benzoyl)-3:2:1-bicyclooctan-2,4-diones. 4,869,748, 9-26-89, Cl. 71-123.000.
- Knudsen, Erik. Scissor mechanism in particular for lift tables. 4,858,482, 8-22-89, Cl. 74-110.000.
- Knudsen, Finn B.: *See—*
  - Patino, Hugo; Heard, George E.; Knudsen, Finn B.; and Gress, H. Stephen, 4,885,184, Cl. 426-592.000.
- Knudsen, James K.; and Perry, David M., to Minnesota Mining and Manufacturing Company. Recording head and support arm for stretched surface recording medium. 4,809,104, 2-28-89, Cl. 360-104.000.
- Knudsen, James K.: *See—*
  - Skuratovsky, Eugene; and Knudsen, James K., 4,871,908, Cl. 250-227.000.
- Knudsen, Martin: *See—*
  - Lindgren, Hakan; Olsson, Jan O.; Knudsen, Martin; and Ronningen, Knut, 4,854,960, Cl. 65-346.000.
- Knudsen, Philip D.; and Walsh, Daniel P., to Polyonics Corporation. Process for coating at least one surface of a polyimide sheet with copper. 4,832,799, 5-23-89, Cl. 204-22.000.
- Knudsen, Philip D.: *See—*
  - Walsh, Daniel P.; and Knudsen, Philip D., 4,868,071, Cl. 428-626.000.
- Knudslien, Don. Fence structure. 4,844,424, 7-4-89, Cl. 256-26.000.
- Knudson, Curtis L.; Rindt, John R.; and Farnum, Sylvia A. Ionic liquefaction process. 4,846,963, 7-11-89, Cl. 208-408.000.
- Knudson, Gary A. Apparatus for making panels. 4,811,587, 3-14-89, Cl. 72-181.000.
- Knudson, Milburn I., Jr., to E.C.C. America Inc. Controlled release composition and method. 4,849,006, 7-18-89, Cl. 71-64.110.
- Knudson, Robert M., to MacMillan Bloedel Limited. Veneer clipper. 4,794,962, 1-3-89, Cl. 144-357.000.
- Knudson, Robert M.; and Gnatowski, Marek J., to MacMillan Bloedel Limited. Chemically treated wood particle board. 4,879,083, 11-7-89, Cl. 264-122.000.
- Knudson, Robert M.; and Ehrenfellner, Hubert, to MacMillan Bloedel Limited. Edge stabilized wood composite panel. 4,879,160, 11-7-89, Cl. 428-192.000.
- Knus, Jean A.: *See—*
  - Mast, Fred; and Knus, Jean A., 4,865,456, Cl. 356-446.000.
- Knusaga Corporation: *See—*
  - Musser, James G.; and Beebe, J. Ted, 4,865,377, Cl. 296-65.100.
- Knust, John G.: *See—*
  - Schneider, Stanley A.; and Knust, John G., 4,871,061, Cl. 206-326.000.
- Knutsen, Neil W., to Allen-Bradley Company, Inc. Programmable controller with self testing I/O structure. 4,839,852, 6-13-89, Cl. 364-900.000.
- Knutson, Keith C.: *See—*
  - Zimmel, John M.; Klinkenberg, Pamela M.; Bunnelle, William L.; and Knutson, Keith C., 4,871,803, Cl. 525-89.000.
- Knutson, Timothy J.: *See—*
  - Baran, Paul; and Knutson, Timothy J., 4,835,463, Cl. 324-123.00R.
- Knutson, Victoria P., to Board of Regents, The University of Texas System. Insulin-binding peptides and uses thereof. 4,888,414, 12-19-89, Cl. 530-303.000.
- Knutti, James W.; Allen, Henry V.; Petersen, Kurt E.; and Kowalski, Carl R., to Tactile Perceptions, Inc. Method of making a semiconductor transducer. 4,861,420, 8-29-89, Cl. 156-633.000.
- Knutti, James W.: *See—*
  - Ingle, Lloyd D.; Allen, Henry V.; and Knutti, James W., 4,884,221, Cl. 364-550.000.
- Kny, Hermann: *See—*
  - Rusek, Milos; and Kny, Hermann, 4,833,255, Cl. 548-490.000.
- Ko, An-Nan: *See—*
  - Lin, Trong-Goang; Ho, Ling-Wen; Ko, An-Nan; and Peng, Yeong-Ju, 4,876,398, Cl. 568-804.000.
- Ko, Harvey W., to Johns Hopkins University, The. Non-invasive electromagnetic technique for monitoring time-trends of physiological changes at a particular location in the brain. 4,819,648, 4-11-89, Cl. 128-653.000.
- Ko, Harvey W.; and Skura, Joseph P., to Johns Hopkins University, The. Electromagnetic non-invasive measurement and monitoring system for osteoporosis. 4,850,372, 7-25-89, Cl. 128-734.000.
- Ko, Harvey W.; Hart, Lynn W.; and Skura, Joseph P., to Johns Hopkins University, The. Electromagnetic bone healing sensor using a multi-coil sensor array. 4,860,756, 8-29-89, Cl. 128-653.000.
- Ko, Heungchan, to Samsung Electronics Co., Ltd. High frequency disper[illegible] device in a microwave oven. 4,808,784, 2-28-89, Cl. 219-10.55R.
- Ko, Jae B., to Gesellschaft zur Forderung der Spektrochemie und angewandten Spektrochemie e.V. Glow-discharge lamp and its application. 4,830,492, 5-16-89, Cl. 356-313.000.
- Ko, Kenneth K.; Miller, Jesse D., Jr.; Shelly, Wayne R.; and Von Stetten, Susan M., to Armstrong World Industries, Inc. Charge dissipative floor tiles. 4,826,912, 5-2-89, Cl. 524-567.000.
- Ko, Kenneth K.: *See—*
  - Bohrn, Walter J.; Brubaker, Richard A.; Garman, Shelly N.; Ho feld, Lewis K.; Ko, Kenneth K.; and Tymon, Thomas M., 4,877,484, Cl. 162-103.000.
  - Eshleman, James M.; and Ko, Kenneth K., 4,872,910, Cl. 106-3.000.
- Ko, Su-sen; and Fanselow, Dan L., to Minnesota Mining and Manufacturing Company. Tissue or mucus sampling device. 4,877,037, 10-31-89, Cl. 128-756.000.
- Ko, Wai-Shing: *See—*
  - Young, William A.; Ko, Wai-Shing; Davidson, Curtis R.; and Whitehurst, Thomas, 4,873,469, Cl. 315-155.000.
- Ko, Wen C.: *See—*
  - Peltzer, Douglas L.; Bechtel, Richard L.; Ko, Wen C.; and Liggett, William T., 4,836,861, Cl. 136-246.000.
- Ko, Wen-Hsiung; and Yeh, Gong-Jong. Precision impedance variation measurement circuit. 4,820,971, 4-11-89, Cl. 324-61.00R.
- Ko, Yer-Lee. Process for improving the color of prawns, shrimp and lobsters. 4,877,633, 10-31-89, Cl. 426-506.000.
- Ko, Yoon S.: *See—*
  - Venner, Jozef G.; and Ko, Yoon S., 4,816,242, Cl. 423-447.600.
- Koa Oil Company, Limited: *See—*
  - Noguchi, Kosaku; Tanaka, Honami; Yamazaki, Heima; and Ohmoto, Yoshiharu, 4,828,682, Cl. 208-131.000.
- Koaizawa, Hisashi: *See—*
  - Tamura, Junichi; Hara, Ryoichi; Abe, Fumihiko; and Koaizawa, Hisashi, 4,884,290, Cl. 378-83.000.
- Koashi, Katsue; and Yokota, Hiroshi, to Kurashiki Boseki Kabushiki Kaisha. Spectroscopic method and apparatus for measuring sugar concentrations. 4,883,953, 11-28-89, Cl. 250-226.000.

- Koatsu Gas Kogyo Co., Ltd.: *See—*
  - Ogawa, Souichi; Sugioka, Takao; and Inoue, Masaru, 4,828,931, Cl. 428-596.000.
  - Saji, Yoshiro; and Tada, Eiichi, 4,797,646, Cl. 335-301.000.
  - Saji, Yoshiro; Tada, Eichi; Toda, Hiroaki; and Kawahara, Yoshiaki, 4,803,452, Cl. 335-301.000.
- Koba, Hiroyuki: *See—*
  - Kobayashi, Kenichi; Koba, Hiroyuki; and Nakamura, Naoto, 4,818,919, Cl. 315-371.000.
- Koba, Keiichiro; Utsunomiya, Taizo; Saitow, Yoshiaki; Iwanaga, Katsusuke; Matsue, Michihiko; and Nishitani, Noriaki, to Mitsui Mining Company, Limited. Continuous process for producing long α-alumina fibers. 4,812,271, 3-14-89, Cl. 264-63.000.
- Koba, Masayoshi: *See—*
  - Awane, Katunobu; Koba, Masayoshi; Miyajima, Toshiaki; and Maekawa, Masashi, 4,801,351, Cl. 156-603.000.
  - Kakimoto, Seizo; Kudo, Jun; and Koba, Masayoshi, 4,855,014, Cl. 156-620.720.
- Koba, Yoshinori, to Meinan Machinery Works, Inc. Apparatus for tenderizing veneer sheets. 4,796,680, 1-10-89, Cl. 144-2.00R.
- Koba, Yoshinori, to Meinan Machinery Works, Inc. Veneer tenderizing device. 4,850,404, 7-25-89, Cl. 144-2.00R.
- Kobale, Manfred: *See—*
  - Feller, Heinrich; Mammach, Peter; and Kobale, Manfred, 4,835,441, Cl. 313-553.000.
- Kobara, Motonori, to Kuroda Seiko Company Limited. Tap holder. 4,810,138, 3-7-89, Cl. 408-139.000.
- Kobari, Katsuo; Ota, Naoto; Suzuki, Naoyuki; and Kanamori, Yuji, to Fanuc Ltd. Terminal for connecting electronic components. 4,863,389, 9-5-89, Cl. 439-83.000.
- Kobari, Katsuo; Takekoshi, Yoshitaka; and Taniguchi, Mitsuyuki, to Fanuc Ltd. Pulse encoder. 4,882,529, 11-21-89, Cl. 318-602.000.
- Kobari, Koichi: *See—*
  - Hayashi, Minoru; Kobari, Koichi; Sato, Kimiharu; and Kishimoto, Junichi, 4,833,996, Cl. 102-530.000.
- Kobari, Osamu; and Kida, Takashi, to Toho Development Engineering Co., Ltd. Non-ferrous metal smelting furnace. 4,824,364, 4-25-89, Cl. 432-30.000.
- Kobari, Toshiaki: *See—*
  - Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.
- Kobashi, Ichiro: *See—*
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,804,047, Cl. 172-91.000.
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,805,704, Cl. 172-91.000.
- Kobashi, Kiyoshi: *See—*
  - Hayashi, Kotaro; Ito, Sumio; and Kobashi, Kiyoshi, 4,875,336, Cl. 60-286.000.
- Kobashi Kogyo Co., Ltd.: *See—*
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,804,047, Cl. 172-91.000.
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,805,704, Cl. 172-91.000.
- Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, to Kobashi Kogyo Co., Ltd. Rotary mower and tilling device. 4,804,047, 2-14-89, Cl. 172-91.000.
- Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, to Kobashi Kogyo Co., Ltd. Rotary tilling device. 4,805,704, 2-21-89, Cl. 172-91.000.
- Kobashi, Toshiyuki; and Naka, Hideo, to Japan Exlan Company Limited. Transparent aqueous tin compound solution. 4,873,352, 10-10-89, Cl. 556-105.000.
- Kobashi, Toshiyuki: *See—*
  - Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; Takao, Seiji; and Takagi, Jun, 4,865,790, Cl. 264-131.000.
  - Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; and Takao, Seiji, 4,871,501, Cl. 264-211.220.
- Kobasic, Timothy J. Multipurpose chair structure. 4,836,938, 6-6-89, Cl. 224-155.000.
- Kobata, Kiyoshi: *See—*
  - Imanishi, Kiyokazu; Watanabe, Wataru; and Kobata, Kiyoshi, 4,809,105, Cl. 360-104.000.
- Kobata, Tomokazu; and Matsui, Yosuke, to Bando Chemical Industries, Ltd. Electrophotographic light-sensitive material. 4,889,785, 12-26-89, Cl. 430-59.000.
- Kobata, Yoshihiro, to Canon Kabushiki Kaisha. Printer. 4,854,753, 8-8-89, Cl. 400-144.200.
- Kobatake, Hiroyuki, to NEC Corporation. Read only semiconductor memory having multiple bit cells. 4,847,808, 7-11-89, Cl. 364-104.000.
- Kobatake, Hiroyuki; and Jinbo, Toshikatsu, to NEC Corporation. Control circuit for multipurpose input terminal. 4,876,462, 10-24-89, Cl. 307-246.000.
- Kobayahsi, Nobuki: *See—*
  - Kano, Taisaku; Kobayahsi, Nobuki; and Ichihara, Yoshinobu, 4,806,600, Cl. 525-306.000.
- Kobayakawa, Koji: *See—*
  - Yamamoto, Takemi; Kobayakawa, Koji; Sasaki, Ichiro; Komiya, Ryohei; Sago, Akira; Takagi, Izumi; Sakai, Jun; and Matsumoto, Yumio, 4,851,881, Cl. 335-27.000.
- Kobayakawa, Kouji, to Brother Kogyo Kabushiki Kaisha. Color image recording apparatus. 4,875,061, 10-17-89, Cl. 346-157.000.
- Kobayakawa, Masaki; Takasaki, Yo; and Saeki, Hiroshi, to NEC Corporation. Chip-less flat display panel. 4,816,716, 3-28-89, Cl. 313-496.000.
- Kobayashi, Akifumi: *See—*
  - Nakamura, Katsumi; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,795, Cl. 29-214.000.
  - Nakamura, Katsumi; Koide, Shigeyuki; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,796, Cl. 29-214.000.
- Kobayashi, Akihiro; Fujita, Toshiyuki; Saito, Takayuki; Kawai, Hiromasa; Hosoi, Yutaka; and Shibata, Hideaki, to Hitachi Chemical Company, Ltd. Optical resin material. 4,868,261, 9-19-89, Cl. 526-262.000.
- Kobayashi, Akihiro: *See—*
  - Kimura, Tetsuo; and Kobayashi, Akihiro, 4,887,072, Cl. 340-691.000.
  - Suzuki, Takashi; and Kobayashi, Akihiro, 4,823,118, Cl. 340-693.000.
- Kobayashi, Akio; Kouyama, Toshitaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Transparent and little colored polyarylenethioether primary melt molding, preparation and utilization thereof. 4,801,416, 1-31-89, Cl. 264-177.100.
- Kobayashi, Akio: *See—*
  - Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.
- Kobayashi, Akira: *See—*
  - Inagaki, Shintaro; and Kobayashi, Akira, 4,800,288, Cl. 250-578.000.
  - Moriyama, Atsuo; Akashi, Yoichi; Sekiuchi, Kazunori; Nagakura, Toshio; and Kobayashi, Akira, 4,864,632, Cl. 455-3.000.
  - Tanihara, Masao; Oka, Kiichiro; Yamada, Hideaki; Kobayashi, Akira; Nakashima, Toshihide; Omura, Yoshiaki; and Takakura, Koichi, 4,889,917, Cl. 530-324.000.
- Kobayashi, Atsuo; Yamada, Takuma; and Akao, Kiyoshi, to Dainippon Screen Mfg. Co., Ltd. Surface treatment method and apparatus thereof. 4,830,888, 5-16-89, Cl. 427-430.100.
- Kobayashi, Atsushi; Suzuki, Takashi; and Kosugi, Yasuhiko, to Seiko Epson Corporation. Image forming apparatus. 4,860,058, 8-22-89, Cl. 355-27.000.
- Kobayashi, Chuzo: *See—*
  - Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; Ohnishi, Hiroshi; and Yamaguchi, Shigeru, 4,830,508, Cl. 366-152.000.
  - Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Yamaguchi, Shigeru, 4,872,763, Cl. 366-160.000.
  - Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Ohnishi, Hiroshi, 4,880,142, Cl. 222-56.000.
- Kobayashi, Eiji: *See—*
  - Murakata, Chikara; Sato, Akira; Kasai, Masaji; Kobayashi, Eiji; Morimoto, Makoto; and Akinaga, Shiro, 4,877,776, Cl. 514-43.000.
- Kobayashi, Fujio: *See—*
  - Masuda, Isao; Fukuoka, Takashi; and Kobayashi, Fujio, 4,873,946, Cl. 123-65.0PD.
  - Nagashima, Akira; and Kobayashi, Fujio, 4,830,212, Cl. 220-5.00A.
- Kobayashi, Fumiaki: *See—*
  - Nagase, Masaomi; Ito, Yoshiyasu; Kizaki, Mikio; Matsuno, Kiyotaka; Tsukamoto, Keisuke; and Kobayashi, Fumiaki, 4,879,673, Cl. 364-571.010.
- Kobayashi, Fumihiko: *See—*
  - Hyodo, Tohru; and Kobayashi, Fumihiko, 4,867,088, Cl. 112-453.000.
  - Sano, Yasuro; Koide, Akio; Hyodo, Toru; Kobayashi, Fumihiko; Kawasato, Takayuki; and Osanai, Yasuhiko, 4,878,444, Cl. 112-264.100.
- Kobayashi, Fumio: *See—*
  - Hori, Yasuaki; and Kobayashi, Fumio, 4,850,625, Cl. 292-336.300.
- Kobayashi, Fumiuki: *See—*
  - Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, 4,872,606, Cl. 228-121.000.
- Kobayashi, Fumiyuki: *See—*
  - Ohki, Nobuaki; Sengoku, Norio; and Kobayashi, Fumiyuki, 4,884,170, Cl. 361-414.000.
  - Soga, Tasao; Goda, Marahiro; Nakano, Fumio; Kushima, Tadao; Ushifusa, Nobuyuki; Kobayashi, Fumiyuki; and Sawahata, Mamoru, 4,825,284, Cl. 357-80.000.
  - Takenaka, Takaji; Watanabe, Hideki; and Kobayashi, Fumiyuki, 4,836,434, Cl. 228-179.000.
  - Zushi, Shizuo; Miyamoto, Mitsuo; Gou, Hiroshi; Kobayashi, Fumiyuki; and Ogata, Tetsuo, 4,837,663, Cl. 361-384.000.
- Kobayashi, Goro: *See—*
  - Yomogida, Toshihiko; Yamashita, Tsuyoshi; Yamamoto, Shigeo; Tobita, Hideaki; Nakamura, Hisanori; and Kobayashi, Goro, 4,881,220, Cl. 370-16.000.
- Kobayashi, Haruo; Yoshizaki, Akira; Hoda, Takeo; and Kashima, Masataka, to Minolta Camera Kabushiki Kaisha. Automatic film information reading method and device. 4,853,721, 8-1-89, Cl. 354-21.000.
- Kobayashi, Haruo: *See—*
  - Ootsuka, Hiroshi; Tominaga, Shinji; Kobayashi, Haruo; Matsushita, Shuzo; Hoda, Takeo; and Mukai, Hiromu, 4,862,206, Cl. 354-414.000.
- Kobayashi, Herbert S.; Lichtenberg, Christopher L.; Shores, Paul W.; and Cunningham, Allen R., to United States of America, National Aeronautics and Space Administration. Method and apparatus for

measuring frequency and phase difference. 4,818,999, 4-4-89, Cl. 342-59.000.

Kobayashi, Herbert S.: *See—*
  Shores, Paul W.; Griffin, John W.; and Kobayashi, Herbert S., 4,860,014, Cl. 342-105.000.

Kobayashi, Hideaki, to Hitachi. Ltd. Method of and apparatus for recovering exhaust gas energy of internal combustion engine. 4,805,409, 2-21-89, Cl. 60-597.000.

Kobayashi, Hideaki; and Obata, Takeshi, to Hitachi, Ltd. Spindle apparatus directly driven by electric motor. 4,833,873, 5-30-89, Cl. 57-100.000.

Kobayashi, Hideaki, to Kewpie Kabushiki Kaisha. Process for producing lysophospholipids containing substantially no lysophospholipids except LPC. 4,849,137, 7-18-89, Cl. 260-403.000.

Kobayashi, Hideaki: *See—*
  Obata, Takeshi; and Kobayashi, Hideaki, 4,876,847, Cl. 57-100.000.

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, to Kuraray Co., Ltd.; and Kuraray Plasmon Data Systems Co., Ltd. Optical recording medium. 4,816,841, 3-28-89, Cl. 346-76.00L.

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, to Kuraray Co., Ltd.; and Kuraray Plasmon Data Systems Co., Ltd. Production of optical recording medium. 4,840,873, 6-20-89, Cl. 430-273.000.

Kobayashi, Hideki; Honma, Hiroshi; and Hamada, Mitsuo, to Toray Silicone Company, Ltd. Unitary molded silicone rubber product from two different silicone rubbers and a method for their manufacture. 4,842,943, 6-27-89, Cl. 428-447.000.

Kobayashi, Hideki, to Toray Silicone Co., Ltd. Fluidity improver for positively-charging resin powder. 4,845,004, 7-4-89, Cl. 430-110.000.

Kobayashi, Hideki; and Ohnishi, Masayuki, to Toray Silicone Co., Ltd. Method for modifying the surface of finely divided silica. 4,849,022, 7-18-89, Cl. 106-490.000.

Kobayashi, Hideki: *See—*
  Hanada, Mikio; and Kobayashi, Hideki, 4,827,691, Cl. 53-151.000.

Kobayashi, Hideo; and Arai, Yoshio, to Tachi-S Co., Ltd. Head rest adjusting device. 4,840,428, 6-20-89, Cl. 297-408.000.

Kobayashi, Hideo: *See—*
  Goto, Sachio; Kobayashi, Hideo; Yasumori, Akira; Kimura, Tsutomu; and Hayashi, Hiroshi, 4,830,825, Cl. 420-486.000.
  Ishida, Yoshihiro; Yoshida, Akira; and Kobayashi, Hideo, 4,883,969, Cl. 250-427.000.
  Muratani, Takuro; Kobayashi, Hideo; and Kimura, Toshinari, 4,862,104, Cl. 331-1.00A.
  Tanaka, Yasuhiko; Iwai, Fumio; Kobayashi, Hideo; and Komatsuzaki, Hiroshi, 4,829,328, Cl. 354-173.100.

Kobayashi, Hideto; and Terauchi, Kiyoshi, to Sanden Corporation. Slant plate type compressor with variable displacement mechanism. 4,874,295, 10-17-89, Cl. 417-222.000.

Kobayashi, Hideto: *See—*
  Higuchi, Teruo; Terauchi, Kiyoshi; Takai, Kazuhiko; Kikuchi, Sei; and Kobayashi, Hideto, 4,875,834, Cl. 417-269.000.

Kobayashi, Hidetoshi: *See—*
  Abe, Akira; Mihayashi, Keiji; Kobayashi, Hidetoshi; and Kato, Hirohiko, 4,840,877, Cl. 430-350.000.
  Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.
  Itoh, Isamu; Ono, Mitsunori; Kobayashi, Hidetoshi; and Yamakawa, Kazuyoshi, 4,831,152, Cl. 548-224.000.
  Okamura, Hisashi; Kobayashi, Hidetoshi; Nishikawa, Toshihiro; and Tamoto, Koji, 4,863,841, Cl. 430-555.000.
  Ozawa, Takashi; and Kobayashi, Hidetoshi, 4,874,688, Cl. 430-546.000.
  Sakanoue, Kei; and Kobayashi, Hidetoshi, 4,865,959, Cl. 430-548.000.
  Takita, Hitoshi; Kimura, Fumihiko; Noda, Sakuo; Mukaida, Yutaka; Nitta, Toyohiko; and Kobayashi, Hidetoshi, 4,841,097, Cl. 560-144.000.

Kobayashi, Hideyuki: *See—*
  Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,806,367, Cl. 426-46.000.
  Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,877,622, Cl. 426-46.000.

Kobayashi, Hiroaki; and Deguchi, Yukichi, to Toray Industries, Inc. Biaxially oriented poly-p-phenylene sulfide film. 4,831,112, 5-16-89, Cl. 528-388.000.

Kobayashi, Hiroaki: *See—*
  Itoh, Nobuaki; Kobayashi, Hiroaki; and Mizouchi, Masanori, 4,849,287, Cl. 428-337.000.

Kobayashi, Hirohiko: *See—*
  Iriuchijima, Shinobu; Kobayashi, Hirohiko; Masuda, Takahito; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,855,311, Cl. 514-373.000.

Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, to Trio Kabushiki Kaisha; and Nippon Hoso Kyokai. Time division multiplexing system for N channels in a frame unit base. 4,825,436, 4-25-89, Cl. 370-102.000.

Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, to Trio Kabushiki Kaisha; and Nippon Hoso Kyokai. Frequency synthesizer suited for use in a time division multiplexing system. 4,845,436, 7-4-89, Cl. 328-14.000.

Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, to Trio Kabushiki Kaisha; and Nippon Hoso Kyokai. Method and apparatus for multiplexing of input signals having differing frequencies and demultiplexing same. 4,873,684, 10-10-89, Cl. 370-102.000.

Kobayashi, Hirokazu; and Kishimoto, Akihiko, to Toray Industries. Polyphenylene sulfide resin composition and a process for producing it. 4,889,893, 12-26-89, Cl. 525-189.000.

Kobayashi, Hirokazu: *See—*
  Miyamoto, Yukihiko; Kobayashi, Hirokazu; and Suzuki, Syoichi, 4,884,267, Cl. 370-100.100.

Kobayashi, Hiromichi: *See—*
  Miura, Kenichi; and Kobayashi, Hiromichi, 4,879,596, Cl. 358-88.000.

Kobayashi, Hiromu: *See—*
  Yoshimura, Shushichi; Ishizu, Makoto; Kobayashi, Hiromu; and Yamazaki, Hozo, 4,808,395, Cl. 423-447.300.

Kobayashi, Hironobu: *See—*
  Sohma, Kenichi; Azuhata, Shigeru; Narato, Kiyoshi; Inada, Tooru; Kobayashi, Hironobu; Arashi, Norio; and Miyadera, Hiroshi, 4,820,046, Cl. 356-328.000.
  Yamaki, Hidenori; Kobayashi, Hironobu; and Minari, Akio, 4,830,390, Cl. 280-280.000.

Kobayashi, Hironori: *See—*
  Tsurumaru, Michiko; Suzuki, Yukio; Tsutsumi, Fumihiro; Ashina, Masato; and Kobayashi, Hironori, 4,846,936, Cl. 204-1.00T.

Kobayashi, Hiroo; Fujino, Hitoshi; Yagi, Tadashi; Adachi, Nobukazu; Hayakawa, Yasuyoshi; and Setoriyama, Takeshi, to Canon Kabushiki Kaisha. Image forming apparatus comprising a main assembly having a top frame adapted to swing open and closed with respect to a bottom frame and having process cartridge detachably mounted in the main assembly. 4,873,548, 10-10-89, Cl. 355-200.000.

Kobayashi, Hiroo: *See—*
  Fujino, Hitoshi; Sawada, Takamasa; Kobayashi, Hiroo; Ohuchi, Osamu; Yagi, Tadashi; and Hayakawa, Yasuyoshi, 4,888,620, Cl. 355-211.000.

Kobayashi, Hiroshi, to Kabushiki Kaisha Sankodo. Band clamping device for luggage carrier. 4,795,204, 1-3-89, Cl. 294-156.000

Kobayashi, Hiroshi; and Obayashi, Hiroaki, to Nissan Motor Co., Ltd. Ultrasonic rangefinder. 4,796,726, 1-10-89, Cl. 181-123.000.

Kobayashi, Hiroshi; and Ohbayashi, Hiroaki, to Nissan Motor Company, Limited. System for detecting load applied to suspension. 4,800,751, 1-31-89, Cl. 73-118.100.

Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; and Akedo, Jun, to Ricoh Company, Ltd.; Kobayashi, Hiroshi; and Machida, Haruhiko. Method of measuring the amount of movement of an object having uniformly periodic structure. 4,823,001, 4-18-89, Cl. 250-231.0SE.

Kobayashi, Hiroshi; Suda, Shinji; and Hongo, Katsunobu, to Mitsubishi Denki Kabushiki Kaisha. Data transmission system. 4,833,467, 5-23-89, Cl. 340-825.640.

Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; Akedo, Jun; Harigaya, Makoto; and Ide, Yasushi, to Ricoh Company, Ltd.; Kobayashi, Hiroshi; and Machida, Haruhiko. Method of manufacturing masked semiconductor laser. 4,840,922, 6-20-89, Cl. 437-129.000

Kobayashi, Hiroshi; Yamamoto, Shuji; Sato, Osamu; and Nagahata, Kouji, to Matsushita Electric Industrial Co., Ltd. Method of manufacturing electric carpet via induction heating. 4,846,916, 7-11-89, Cl. 156-274.600.

Kobayashi, Hiroshi; Machida, Haruhiko; Harigaya, Makoko; Ide, Yasushi; and Akedo, Jun, to Ricoh Company, Ltd.; Kobayashi, Hiroshi; and Machida, Haruhiko. Method of manufacturing masked semiconductor laser. 4,855,256, 8-8-89, Cl. 437-129.000.

Kobayashi, Hiroshi; and Ichikawa, Toshiro, to Nissan Motor Company, Limited; and Atsugi Motor Parts Company, Limited. Electrostatic capacity-type stroke sensor and dielectric material therefor 4,862,063, 8-29-89, Cl. 324-61.00P.

Kobayashi, Hiroshi; Kobayashi, Masae; and Machida, Haruhiko, to Techno-Frontier Ltd. Cooking utensil. 4,872,445, 10-10-89, Cl. 126-376.000.

Kobayashi, Hiroshi: *See—*
  Haruyama, Hideaki; and Kobayashi, Hiroshi, 4,811,338, Cl. 370-85.000.
  Hongo, Katsunobu; Suda, Shinji; Kobayashi, Hiroshi; and Shichinohe, Daisuke, 4,814,741, Cl. 340-825.650.
  Kosaka, Norifumi; and Kobayashi, Hiroshi, 4,807,071, Cl. 360-105.000.
  Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, 4,814,833, Cl. 355-75.000.
  Toyomoto, Kazuo; Terada, Eigo; Kobayashi, Hiroshi; and Kageura, Yoshiaki, 4,844,719, Cl. 55-16.000.
  Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.

Kobayashi, Hirotada: *See—*
  Hasegawa, Masatake; Kobayashi. Hirotada; Sunazuka, Hideo; Yoshino, Akira; Matsuda, Takao; and Shingo, Yoshioki, 4,869,848, Cl. 252-609.000.

Kobayashi, Hiroya: *See—*
  Tsubakimoto, Tsuneo; Tahara, Hideyuki; Kobayashi, Hiroya; Hirata, Tsuyoshi; and Ito, Hiroshi, 4,870,120, Cl. 524-5.000.
  Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.

Kobayashi, Hiroyasu: *See—*
  Nakao, Kouichi; Toki, Akira; Morisue, Kazushige; and Kobayashi, Hiroyasu, 4,887,073, Cl. 340-693.000.

Kobayashi, Hiroyuki, to Hitachi, Ltd. Electron beam control apparatus for use in transmission electron microscope. 4,851,674, 7-25-89, Cl. 250-311.000.

Kobayashi, Hiroyuki; and Kamimura, Shoji, to Hitachi, Ltd. Electron-microscopic image viewing system. 4,866,273, 9-12-89, Cl. 250-311.000.

Kobayashi, Hiroyuki: *See—*
  Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.

Kobayashi, Hisaaki: *See—*
  Suganuma, Heiroku; Taneichi, Shoshiro; Kobayashi, Hisaaki; and Matsunaga, Tadayo, 4,810,055, Cl. 350-96.340.

Kobayashi, Hisamine; and Izuhara, Katsuhiro, to Tipton Manufacturing Corporation. Rotating barrel finishing method under heavy resultant force. 4,807,403, 2-28-89, Cl. 51-313.000.

Kobayashi, Hisanori: *See—*
  Kaga, Hideki; and Kobayashi, Hisanori, 4,798,522, Cl. 417-363.000.
  Matsumura, Toshimi; Omori, Norio; and Kobayashi, Hisanori, 4,814,997, Cl. 364-431.050.
  Nagata, Kiyoshi; Tatsukawa, Junichi; Kawashima, Yutaka; and Kobayashi, Hisanori, 4,869,225, Cl. 123-509.000.

Kobayashi, Hisao; and Mochizuki, Kousuke, to Aderans Co., Ltd. Wig. 4,799,502, 1-24-89, Cl. 132-53.000.

Kobayashi, Hisao; and Mochizuki, Kosuke, to Aderans Co., Ltd. Wig base and method of producing same. 4,817,641, 4-4-89, Cl. 132-201.000.

Kobayashi, Hisao: *See—*
  Ide, Katsuyuki; Kobayashi, Hisao; and Aoike, Nanjou, 4,839,564, Cl. 315-169.400.

Kobayashi, Hisataka; Araki, Fujio; and Ohtani, Yoshihiro, to Nippon Seiki Co., Ltd. Instrument with crossed-coil type movable magnet. 4,890,057, 12-26-89, Cl. 324-140.00D.

Kobayashi, Hisatoshi: *See—*
  Asai, Susumu; Sugimoto, Haruhide; Fujisaki, Masaru; Shigetomi, Tadatoshi; and Kobayashi, Hisatoshi, 4,887,687, Cl. 180-219.000.

Kobayashi, Ichiji; and Sakata, Motohide, to Mizota Industrial Co., Ltd. Pumping system for gates. 4,877,537, 10-31-89, Cl. 210-747.000.

Kobayashi, Ippei: *See—*
  Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
  Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.
  Yamazaki, Shunpei; Suzuki, Kunio, Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
  Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.

Kobayashi, Isamu: *See—*
  Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Moriuchi, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.

Kobayashi, Izumi: *See—*
  Takematsu, Tetsuo; Nishii, Masahiro; and Kobayashi, Izumi, 4,844,731, Cl. 71-93.000.

Kobayashi, Jiro: *See—*
  Imamura, Kazunori; Hayano, Fuminori; Kakizaki, Yukio; and Kobayashi, Jiro, 4,803,373, Cl. 250-561.000.

Kobayashi, Jun, to Hitachi, Ltd. Magnetic recording/reproducing apparatus. 4,796,108, 1-3-89, Cl. 360-37.100.

Kobayashi, Junichi: *See—*
  Ono, Kiyoshi; Sakurai, Yasuo; Kishimoto, Yoshio; Miyasaka, Hiroyasu; Kitazaki. Yasuaki; Matsuda, Tetsuaki; and Kobayashi, Junichi, 4,822.670, Cl. 428-317.300.
  Yano, Seinosuke; Okamura, Yoshihiro; Kaku, Katsuo; and Kobayashi, Junichi, 4,826,543, Cl. 148-12.00F.

Kobayashi, Junji: *See—*
  Arai, Hisao; Sonehara, Keisuke; Yasumura, Satoshi; and Kobayashi, Junji, 4,854,145, Cl. 70-258.000.
  Takeno, Yasuo; Tokoro, Hiroyoshi; Kobayashi, Junji; Yamada, Masato; Harada, Toshimitsu; and Hosoya, Kensei, 4,796,561, Cl. 118-657.000.

Kobayashi, Jyunichi, to Hitachi, Ltd. Soldered structure of fine wire, and method of and apparatus for soldering fine wire. 4,877,936, 10-31-69, Cl. 219-85.220.

Kobayashi, Kaoru: *See—*
  Tanatani, Akira; Abiru, Yasumasa; Sato, Nobumasa; and Kobayashi, Kaoru, 4,845,141, Cl. 524-261.000.

Kobayashi, Katsuhiko, to Tokyo Kogaku Kikai Kabushiki Kaisha. Working distance alignment optical system for ophthalmological instrument. 4,834,527, 5-30-89, Cl. 351-208.000.

Kobayashi, Katsuhiko; and Takahashi, Susumu, to Tokyo Kogaku Kikai Kabushiki Kaisha. Fixation sight apparatus for ophthalmologic instrument. 4,848,899, 7-18-89, Cl. 351-243.000.

Kobayashi, Katsuhiko: *See—*
  Katsuragi, Kenjiro; Kobayashi, Katsuhiko; and Torii, Yoshitaka, 4,817,620, Cl. 128-648.000.

Kobayashi, Katsumi: *See—*
  Iwaya, Shoichi; Masumura, Hitoshi; Takahashi, Hiroki, Ohkawara, Masaaki; Kobayashi, Katsumi; and Ito, Takashi, 4,809,442, Cl. 34-10.000.

Kobayashi, Katsuyuki: *See—*
  Mori, Shigeki; Kobayashi, Katsuyuki; Taniishi, Shinnosuke; and Yamamoto, Kousuke, 4,887,245, Cl. 367-129.000.
  Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, 4,886,943, Cl. 178-18.000.

Kobayashi, Kazuhiko: *See—*
  Okudaira, Shigenori; Irie, Takefumi; Uchida, Hiroshi; Fukasawa, Eiichi; Kobayashi, Kazuhiko; and Yamaguchi, Masanori, 4,877,445 Cl. 75-0.50B.

Kobayashi, Kazuhiro; Koboshi, Shigeharu; Kuse, Satoru; and Ishikawa, Masao, to Konishiroku Photo Industry Co., Ltd. Method for processing a light-sensitive silver halide color photographic material using at least one silver halide emulsion layer and at least one of a cyan coupler and magneta coupler. 4,837,139, 6-6-89, Cl. 430-542.000.

Kobayashi, Kazuhiro; Kurematsu, Masayuki; Koboshi, Shigeharu; Goto, Nobutaka; and Takabayashi, Naoki, to KNICA Corporation. Method for treating photographic processing waste solution. 4,874,530, 10-17-89, Cl. 210-718.000.

Kobayashi, Kazuhiro: *See—*
  Richards, Charles; and Kobayashi, Kazuhiro, 4,838,673, Cl. 351-44.000.

Kobayashi, Kazunaga: *See—*
  Sawano, Hiroyuki; Suzuki, Hideo; Sugawara, Yasuyuki; Kobayashi, Kazunaga; and Sato, Nobuyasu, 4,812,014, Cl. 350-96.290.

Kobayashi, Kazunari, to Olympus Optical Co., Ltd. Light control device for endoscope. 4,868,645, 9-19-89, Cl. 358-98.000.

Kobayashi, Kazunari: *See—*
  Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.
  Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Kobayashi, Kazuo; Nakayama, Takeshi; and Terada, Yasushi, to Mitsubishi Denki Kabushiki Kaisha. Data integrity verifying circuit for electrically erasable and programmable read only memory (EEPROM). 4,811,294, 3-7-89, Cl. 365-189.000.

Kobayashi, Kazuo; Togashi, Mitsuo; and Fukuda, Satoshi, to Matsushita Graphic Communication Systems, Inc. Past record correcting/-reading apparatus. 4,812,667, 3-14-89, Cl. 250-578.000.

Kobayashi, Kazuo; Terada, Yasushi; and Nakayama, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Nonvolatile semiconductor memory device. 4,813,018, 3-14-89, Cl. 365-185.000.

Kobayashi, Kazuo; Fukazawa, Masashi; and Ishikawa, Shinji, to Nippon Mektron, Ltd. Novel perfluoropolyether and process for producing the same. 4,859,299, 8-22-89, Cl. 204-157.920.

Kobayashi, Kazuo: *See—*
  Kishi, Kazushi; Umebayashi, Seiki; Tani, Eiji; and Kobayashi, Kazuo, 4,816,428, Cl. 501-89.000.
  Noguchi, Ichiro; Kobayashi, Kazuo; Sawada, Toru; Okita, Masao; Takayama, Yasunari; and Kozumi, Kazuo, 4,831,479, Cl. 360-105.000.
  Ohkita, Masao; Kobayashi, Kazuo; Gunji, Kunihiko; Sugawara, Tadami; Shigenai, Osamu; and Fuke, Takamichi, 4,796,118, Cl. 360-105.000.
  Terada, Yasushi; Nakayama, Takeshi; Kobayashi, Kazuo; and Noguchi, Kenji, 4,805,151, Cl. 365-189.000.
  Terada, Yasushi; Nakayama, Takeshi; and Kobayashi, Kazuo, 4,858,194, Cl. 365-203.000.

Kobayashi, Kazuomi; and Nakano, Minoru, to Bridgestone Corporation. Pneumatic radial tire. 4,865,103, 9-12-89, Cl. 152-536.000.

Kobayashi, Kazushi: *See—*
  Kubota, Kazumi; Kobayashi, Kazushi; and Ogura, Toshihiko, 4,872,131, Cl. 364-736.000.

Kobayashi, Kazutomo; and Fukuoka, Hideyuki, to NEC Corporation. Method for controlling data flow. 4,839,891, 6-13-89, Cl. 370-94.000.

Kobayashi, Kazuyoshi; Koyama, Teruo; and Fukuda, Takitaro, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Steering gear mechanism. 4,794,809, 1-3-89, Cl. 74-422.000.

Kobayashi, Kazuyoshi: *See—*
  Kagami, Toshihiko; Kobayashi, Kazuyoshi; Asakawa, Eiji; Osada, Atushi; Hara, Kozo; and Abe, Yasuji, 4,859,993, Cl. 340-674.000.

Kobayashi, Kazuyuki, to Mitsubishi Jukogyo Kabushiki Kaisha. Control device for a vertical shaft type engine. 4,860,608, 8-29-89, Cl. 74-501.600.

Kobayashi, Keiji; and Urabe, Takashi, to Toshiba Silicone Co., Ltd. Release coating-forming composition. 4,841,006, 6-20-89, Cl. 528-15.000.

Kobayashi, Keiji: *See—*
  Kurata, Naoji; Sugita, Yoshio; Kobayashi, Keiji; and Kawano, Atsushi, 4,814,462, Cl. 548-444.000.

Kobayashi, Keiki: *See—*
  Kaiwa, Ryoichi; Kudo, Michiyoshi; Kobayashi, Keiki; Suganuma, Yuichiro; and Adachi, Naotomo, 4,881,258, Cl. 379-58.000.

Kobayashi, Kengo: *See—*

Ito, Toshihiko; Mogami, Masayuki; and Kobayashi, Kengo, 4,795,785, Cl. 525-288.000.

Kobayashi, Kenichi; Koba, Hiroyuki; and Nakamura, Naoto, to Kabushiki Kaisha Toshiba. Color picture tube apparatus. 4,818,919, 4-4-89, Cl. 315-371.000.

Kobayashi, Kenichi; and Mori, Shinichi, to Yokohama Rubber Co., Ltd., The. Pneumatic tire for high speed driving. 4,848,431, 7-18-89, Cl. 152-548.000.

Kobayashi, Kenichi: *See—*

Fujii, Hiroaki; and Kobayashi, Kenichi, 4,852,110, Cl. 372-44.000.

Matsui, Shougo; and Kobayashi, Kenichi, 4,809,341, Cl. 382-8.000.

Kobayashi, Kenichiro: *See—*

Kameda, Kazuyoshi; Kaji, Koichi; Yahiro, Hiroshi; and Kobayashi, Kenichiro, 4,881,069, Cl. 340-735.000.

Kobayashi, Kenji, to Endo Manufacturing Co., Ltd. Head structure for gold clubs. 4,852,880, 8-1-89, Cl. 273-169.000.

Kobayashi, Kenji, to Endo Manufacturing Co., Ltd. Golf club. 4,854,580, 8-8-89, Cl. 273-77.00A.

Kobayashi, Kenji; Kaneko, Ichiro; Kobayashi, Masahiro; and Nakano, Shinji, to Kurita Water Industries, Ltd.; and Otsuka Chemical Co., Ltd. Iron dispersant for boiler water. 4,877,535, 10-31-89, Cl. 210-701.000.

Kobayashi, Kenji: *See—*

Ito, Toshio; Sakata, Miwa; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, 4,845 143, Cl. 525-328.800.

Kaifu, Katsuaki; Kosuge, Maki; Yamashita, Yoshio; Asano, takateru; and Kobayashi, Kenji, 4,889,795, Cl. 430-326.000.

Yamashita, Yoshio; Kawazu, Ryuji; Itoh, Toshio; Asano, Takateru; and Kobayashi, Kenji, 4,801,518, Cl. 430-325.000.

Kobayashi, Kenzo; and Tachibana, Hideto, to Furukawa Electric Co., Ltd, The; and Sony Chemicals Corporation. Reinforced connection for a chemical connector and method of constructing therefor. 4,846,709, 7-11-89, Cl. 439-161.000.

Kobayashi, Kenzo: *See—*

Yagi, Takeshi; and Kobayashi, Kenzo, 4,888,792, Cl. 375-39.000.

Kobayashi, Kesanao; Ohba, Hisao; and Toyama, Tadao, to Fuji Photo Film Co., Ltd. Developing method for photosensitive material. 4,837,131, 6-6-89, Cl. 430-302.000.

Kobayashi, Kimito: *See—*

Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.

Kobayashi, Kinzo; and Nakayama, Shinichi, to Tokico Ltd. Disc brake having shield portions for shielding a boot. 4,836,339, 6-6-89, Cl. 188-73.100.

Kobayashi, Kiyomi: *See—*

Kawahara, Nobuaki; Hoshizaki, Hiroki; Suzuki, Hirofumi; Kobayashi, Kiyomi; Ohkawa, Makoto; and Asano, Mitsuru, 4,829,029, Cl. 501-108.000.

Kobayashi, Kiyonori; Kamiya, Masakazu; Kagiyama, Junji; and Hyodo, Motoi, to Aisin Seiki Kabushiki Kaisha. Torque variation absorbing device. 4,887,485, 12-19-89, Cl. 74-574.000.

Kobayashi, Kiyonori: *See—*

Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,857,032, Cl. 464-68.000.

Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,876,917, Cl. 74-574.000.

Kagiyama, Junji; Kobayashi, Kiyonori; and Kamiya, Masakazu, 4,850,932, Cl. 464-68.000.

Kobayashi, Kiyoshi, to Kabushiki Kaisha Hoky. Cleaner. 4,811,449, 3-14-89, Cl. 15-231.000.

Kobayashi, Kiyoshi, to Kabushiki Kaisha Hoky. Floor cleaner. 4,845,797, 7-11-89, Cl. 15-41.00R.

Kobayashi, Kiyotaka; Tabei, Masatoshi; Arashi, Madoka; and Mizobuchi, Yuzo, to Fuji Photo Film Co., Ltd. Sensitivity compensating method for solid-state image pickup element used in electronic still camera. 4,825,293, 4-25-89, Cl. 358-228.000.

Kobayashi, Kiyotaka; Shizukuishi, Makoto; and Tabei, Masatoshi, to Fuji Photo Film Co., Ltd. Solid color pickup apparatus. 4,829,368, 5-9-89, Cl. 358-41.000.

Kobayashi, Kiyotaka: *See—*

Takamura, Mashashi; Kobayashi, Kiyotaka; Sato, Tokuji; and Naka, Yoji, 4,868,593, Cl. 354-403.000.

Kobayashi, Kiyoteru: *See—*

Arima, Hideaki; and Kobayashi, Kiyoteru, 4,866,493, Cl. 357-23.500.

Kobayashi, Kohji: *See—*

Shimizu, Motoharu; Minegishi, Masayoshi; Yamada, Nobuyuki; and Kobayashi, Kohji, 4,820,592, Cl. 428-692.000.

Kobayashi, Koichi; Shinomiya, Masaki; Kobayashi, Tsutomu; Higashikawa, Masahiro; and Ukegawa, Shin, to Matsushita Electric Works, Ltd. Electrodeless discharge lamp device. 4,864,194, 9-5-89, Cl. 315-248.000.

Kobayashi, Koji, to Mitsuba Electric Mfg., Co., Ltd. Dc motor with rotor slots closely spaced. 4,827,172, 5-2-89, Cl. 310-216.000.

Kobayashi, Koji, to Kowa Company Ltd. Color video projecting apparatus using acousto-optical deflector. 4,833,528, 5-23-89, Cl. 358-53.000.

Kobayashi, Koji, to Kowa Company Ltd. Color video generating apparatus using acousto-optical deflector. 4,835,601, 5-30-89, Cl. 358-53.000.

Kobayashi, Koji, to Yamatake-Honeywell Co., Ltd. Data transmission system using sending right request signal transferred through loop transmission path. 4,860,000, 8-22-89, Cl. 340-825.500.

Kobayashi, Koji, to Kowa Company Ltd. Light beam deflector. 4,872,746, 10-10-89, Cl. 350-358.000.

Kobayashi, Koji: *See—*

Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobayashi, Koji; Fujino, Ikuo; Hagiwara, Hiroshi; and Ogino, Seiichi, 4,855,609, Cl. 290-48.000.

Kobayashi, Kougi: *See—*

Saen, Haruo; and Kobayashi, Kougi, 4,870,227, Cl. 174-117.0FF.

Saen, Haruo; and Kobayashi, Kougi, 4,873,411, Cl. 219-93.000.

Kobayashi, Kouichi: *See—*

Ooe, Haruki; and Kobayashi, Kouichi, 4,851,871, Cl. 354-435.000.

Kobayashi, Kouichirou: *See—*

Mutoh, Kiyoyuki; Satoh, Kazushi; and Kobayashi, Kouichirou, 4,855,381, Cl. 528-23.000.

Kobayashi, Kouji; Miki, Nobuaki; and Suzuki, Akira, to Aisin AW Co., Ltd. Solenoid-operated pressure control valve. 4,838,313, 6-13-89, Cl. 137-625.650.

Kobayashi, Kouji; Suzuki, Akira; and Miki, Nobuaki, to Aisin Aw Co., Ltd. Pressure control valve. 4,838,518, 6-13-89, Cl. 251-129.160.

Kobayashi, Kouji, to Kowa Company Ltd. Ophthalmic examination apparatus. 4,854,692, 8-8-89, Cl. 351-221.000.

Kobayashi, Kouji: *See—*

Miki, Nobuaki; Suzuki, Akira; and Kobayashi, Kouji, 4,838,517, Cl. 251-129.160.

Kobayashi, Kozo, to Nakamichi Corporation. Glitch occurence prevention circuit for a digital/analog converter. 4,814,740, 3-21-89, Cl. 341-118.000.

Kobayashi, Kuniko: *See—*

Hyosu, Yoshihiko; Ikeda, Takeshi; Kanda, Hitoshi; Mori, Hiromi; Kawakami, Hiroaki; and Kobayashi, Kuniko, 4,816,366, Cl. 430-137.000.

Mori, Hiromi; Matsunaga, Satoshi; Kobayashi, Kuniko; Hyosu, Yoshihiko; and Imai, Eiichi, 4,804,610, Cl. 430-137.000.

Kobayashi, Kunimitsu, to Hoya Corporation. Collimator optical system for effecting elliptical-to-circular conversion. 4,810,069, 3-7-89, Cl. 350-413.000.

Kobayashi, Kunio: *See—*

Hashimoto, Hikotaka; and Kobayashi, Kunio, 4,888,190, Cl. 426-231.000.

Kobayashi, Kyoji; Kaneko, Noboru; Konishi, Kiyoshi; and Furuya, Takeo, to Jidosha Denki Kogyo Kabushiki Kaisha. Actuator and an automatic car-speed controller. 4,865,151, 9-12-89, Cl. 180-179.000.

Kobayashi, Kyoji: *See—*

Suzuki, Kouichi; Kobayashi, Kyoji; and Konishi, Kiyoshi, 4,829,437, Cl. 364-426.040.

Kobayashi, Makio: *See—*

Okushima, Hiromi; Narimatsu, Akihiro; Kobayashi, Makio; Furuya, Rikizo; and Kitada, Yoshimi, 4,822,797, Cl. 514-252.000.

Kobayashi, Makoto, to Canon Kabushiki Kaisha. Data communication apparatus. 4,833,705, 5-23-89, Cl. 379-93.000.

Kobayashi, Makoto: *See—*

Ezaki, Mitsuo; Kobayashi, Makoto; and Izumi, Tsuguo, 4,808,334, Cl. 252-314.000.

Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.

Machida, Junji; Ohtani, Junji; Sano, Eiichi; Anno, Masahiro; Kohn, Toshitaro; Tanigami, Yukio; and Kobayashi, Makoto, 4,822,7[illegible], Cl. 430-106.600.

Sugio, Akitoshi; Kawaki, Takao; Kobayashi, Makoto; Hayashi, Katsushige; and Watanabe, Masahito, 4,861,854, Cl. 528-125.000.

Kobayashi, Mamoru; and Nishimura, Makoto, to Tokico Ltd. Control circuit for electric motor. 4,833,372, 5-23-89, Cl. 318-696.000.

Kobayashi, Mamoru: *See—*

Fukasawa, Hideyuki; Kobayashi, Mamoru; and Wanami, Masahiro, 4,871,110, Cl. 228-245.000.

Kobayashi, Masaaki; Takeuchi, Akihiro; Yamanishi, Kazuhiro; Miki, Sukeichi; and Nagaoka, Yoshitomi, to Matsushita Electric Industrial Co., Ltd. Apparatus for high-density minimal crosstalk recording and reproducing of terminance and chrominance signals using a magnetic tape. 4,811,119, 3-7-89, Cl. 358-328.000.

Kobayashi, Masaaki; Yamanishi, Kazuhiro; Takeuchi, Akihiro; and Nagaoka, Yoshitomi, to Matsushita Electric Industrial Co., Ltd. Magnetic tape recording/reproducing apparatus. 4,873,583, 10-10-89, Cl. 358-310.000.

Kobayashi, Masaaki: *See—*

Honjo, Masahiro; Takeuchi, Akihiro; Ochi, Atsuo; Aki, Shinichi; Nakagawa, Yukio; and Kobayashi, Masaaki, 4,812,783, Cl. 331-20.000.

Morioka, Yoshihiro; Kobayashi, Masaaki; and Nagaoka, Yoshitomi, 4,811,117, Cl. 358-310.000.

Morioka, Yoshihiro; Kobayashi, Masaaki; Takeuchi, Akihiro; Nagaoka, Yoshitomi; Gentsu, Noriaki; and Nagasaki, Sakoe, 4,864,421, Cl. 358-310.000.

Ochi, Atsuo; Kobayashi, Masaaki; Takeuchi, Akihiro; and Yamanishi, Kazuhiro, 4,864,424, Cl. 358-328.000.

Takeuchi, Akihiro; Kobayashi, Masaaki; Yamanishi, Kazuhiro and Ochi, Atsuo, 4,807,050, Cl. 358-328.000.

Kobayashi, Masae: *See—*

Kobayashi, Hiroshi; Kobayashi, Masae; and Machida, Haruhiko, 4,872,445, Cl. 126-376.000.

Kobayashi, Masaharu; and Arai, Takao, to Hitachi, Ltd. PCM recording and playback with variable read and write speeds. 4,823,207, 4-18-89, Cl. 360-32.000.

Kobayashi, Masaharu, to NEC Corporation. Integrated circuit semiconductor device having improved wiring structure. 4,825,276, 4-25-89, Cl. 357-45.000.

Kobayashi, Masahiro; Matsushita, Akitake; Nakamura, Hitoshi; Tanaka, Shinji; and Furuya, Shuji, to Toshiba Corporation; and Ishikawajima-Harima Heavy Industries Co., Ltd. Method of enhancing residual compressive stress in double metallic tubes. 4,796,653, 1-10-89, Cl. 137-341.000.

Kobayashi, Masahiro: *See—*

Kobayashi, Kenji; Kaneko, Ichiro; Kobayashi, Masahiro; and Nakano, Shinji, 4,877,535, Cl. 210-701.000.

Tagai, Hideo; Kobayashi, Masahiro; Niwa, Shigeo; Takeuchi, Hiroyasu; and Ono, Mikiya, 4,820,573, Cl. 428-228.000.

Kobayashi, Masakazu; Harashima, Konomi; and Ariyama, Hiroichi, to Kyowa Vacuum Engineering, Ltd. Method and apparatus for freeze drying. 4,802,286, 2-7-89, Cl. 34-15.000.

Kobayashi, Masakazu; Asaumi, Shingo; and Tanaka, Hatsuyuki, to Tokyo Ohka Kogyo Co., Ltd. Method for rinse treatment of a substrate. 4,824,762, 4-25-89, Cl. 430-258.000.

Kobayashi, Masakazu; Asaumi, Shingo; Yokota, Akira; and Nakane, Hisashi, to Tokyo Ohka Kogyo Co., Ltd. Containing an arylsulfonic acid, a phenol and a naphalenic solvent. 4,844,832, 7-4-89, Cl. 252-143.000.

Kobayashi, Masakazu: *See—*

Hayashi, Takatoshi; Fujiki, Norio; Tanaka, Yoichiro; Nishimoto, Takashi; and Kobayashi, Masakazu, 4,871,993, Cl. 340-439.000.

Saito, Kazumasa; Maezawa, Hiroyuki; Kobayashi, Masakazu; and Futamura, Yoshihiko, 4,831,525, Cl. 364-300.000.

Kobayashi, Masaki; and Itoh, Yoshio, to Oki Electric Industry Co., Ltd. Adaptive digital filter for determining a transfer equation of an unknown system. 4,811,261, 3-7-89, Cl. 364-724.190.

Kobayashi, Masaki, to Oki Electric Industry Co., Ltd. Adaptive digital filter and an echo canceler incorporating the same. 4,852,036, 7-25-89, Cl. 364-724.190.

Kobayashi, Masaki; and Itoh, Yoshio, to Oki Electric Industry Co., Ltd. Adaptive digital filter. 4,868,775, 9-19-89, Cl. 364-724.190.

Kobayashi, Masaki; Itoh, Yoshio; and Kusaka, Hiroji, to Oki Electric Industry Co., Ltd.; and Kusaka, Hiroji. Spread spectrum communications system. 4,879,726, 11-7-89, Cl. 375-1.000.

Kobayashi, Masaki; and Ohta, Minemasa, to Pioneer Electronic Corporation; and Pioneer Video Corporation. Device for measuring angular deviation of flat plate. 4,888,491, 12-19-89, Cl. 250-561.000.

Kobayashi, Masaki: *See—*

Matsunaga, Takao; Nakajima, Kazuo; and Kobayashi, Masaki, 4,802,555, Cl. 184-15.100.

Kobayashi, Masanori; Matsuura, Isao; Wakatsuki, Akira; and Shida, Yu, to Sumitomo Chemical Company, Limited. Polyvinyl chloride resin composition for powder molding. 4,861,816, 8-29-89, Cl. 524-204.000.

Kobayashi, Masanori, to Kuron Corporation. Electric blind. 4,878,528, 11-7-89, Cl. 160-168.100.

Kobayashi, Masanori, to Fujitsu Limited. Process for cleaning and protecting semiconductor substrates. 4,883,775, 11-28-89, Cl. 437-225.000.

Kobayashi, Masao; Iwamura, Takuro; and Tabei, Kazuhiko, to Mitsubishi Kinzoku Kabushiki Kaisha. Mold member and rapidly solidifying water cooled rotary roll member. 4,830,086, 5-16-89, Cl. 164-418.000.

Kobayashi, Masao. Production apparatus to form the solid state food material completely wrapped and sealed with the clayish state food material into globular shape. 4,854,842, 8-8-89, Cl. 425-133.100.

Kobayashi, Masao: *See—*

Akutsu, Hidetoshi; Iwamura, Takuro; and Kobayashi, Masao, 4,872,048, Cl. 357-67.000.

Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, 4,824,998, Cl. 560-205.000.

Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, 4,873,391, Cl. 585-639.000.

Iwamura, Takuro; and Kobayashi, Masao, 4,886,641, Cl. 420-470.000.

Kato, Masaaki; Uno, Tetsuya; Kobayashi, Masao; and Osuga, Naoto, 4,874,890, Cl. 560-205.000.

Oh-Kita, Motomu; Kato, Masaaki; and Kobayashi, Masao, 4,803,302, Cl. 562-534.000.

Oh-Kita, Motomu; Taniguchi, Yoshiyuki; Kato, Masaaki; and Kobayashi, Masao, 4,816,603, Cl. 562-538.000.

Wudl: Fred; Heeger, Alan; Ikenoue, Yoshiaki; and Kobayashi, Masao, 4,795,242, Cl. 350-357.000.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Club-head. 4,798,384, 1-17-89, Cl. 273-172.000.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Golf club head. 4,809,982, 3-7-89, Cl. 273-167.00E.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Construction of a club-head for a golf club. 4,811,949, 3-14-89, Cl. 273-171.000.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Golf club head. 4,811,950, 3-14-89, Cl. 273-171.000.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Grip for a golf club shaft. 4,819,939, 4-11-89, Cl. 273-81.00R.

Kobayashi, Masashi, to Maruman Golf, Co., Ltd. Golf club head. 4,824,110, 4-25-89, Cl. 273-78.000.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Golf club. 4,830,377, 5-16-89, Cl. 273-186.00A.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Club head for an iron-type golf club. 4,836,550, 6-6-89, Cl. 273-167.00H.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Head of wood type golf club. 4,838,555, 6-13-89, Cl. 273-167.00A.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Construction of portion connecting golf club-head and golf club shaft. 4,854,583, 8-8-89, Cl. 273-80.800.

Kobayashi, Masashi, to Maruman Golf Co., Ltd. Golf club. 4,871,174, 10-3-89, Cl. 273-164.000.

Kobayashi, Masataka: *See—*

Komine, Isamu; Kobayashi, Masataka; and Ariga, Shiro, 4,852,407, Cl. 73-597.000.

Kobayashi, Masato, to Alps Electric Co., Ltd. Method of molding case for push-button switch. 4,803,030, 2-7-89, Cl. 264-278.000.

Kobayashi, Masatsune: *See—*

Eida, Tsuyoshi; Shioya, Makoto; and Kobayashi, Masatsune, 4,867,789, Cl. 106-22.000.

Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, 4,841,037, Cl. 534-815.000.

Kobayashi, Masayuki; and Takiguchi, Masahiro, to Nissan Motor Co., Ltd.; and Japan Automatic Transmission Co., Ltd. Shift control arrangement for automatic transmission. 4,881,429, 11-21-89 Cl. 74-867.000.

Kobayashi, Michio, to Jidosha Kiki Co., Ltd. Coupling structure for shells of booster. 4,794,849, 1-3-89, Cl. 92-98.00D.

Kobayashi, Michio; and Senoh, Kazunori, to Jidosha Kiki Co., Ltd. Vacuum booster enclosure. 4,811,653, 3-14-89, Cl. 92-98.00D.

Kobayashi, Michio: *See—*

Shimamura, Morihiko; Satoh, Satoru; and Kobayashi, Michio, 4,882,975, Cl. 91-376.00R.

Kobayashi, Mikio; and Ueno, Akira, to Ricoh Company, Ltd. Electronic flash photographing system. 4,887,120, 12-12-89, Cl. 354-416.000.

Kobayashi, Mikio: *See—*

Araki, Kunihiko; Kobayashi, Mikio; Terui, Hiroshi; and Nishida, Tohru, 4,835,558, Cl. 354-156.000.

Inoue, Senya; Ono, Akira; Kobayashi, Mikio; and Yokoo, Hiroshi, 4,871,693, Cl. 501-9.000.

Kobayashi, Minoru: *See—*

Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; and Kobayashi, Minoru, 4,838,946, Cl. 134-7.000.

Kobayashi, Mitsuo; and Nomura, Hiroaki, to Brother Kogyo Kabushiki Kaisha. Automatic tool changing apparatus. 4,833,772, 5-30-89, Cl. 29-568.000.

Kobayashi, Mitsuo, to Nippo Kabushiki Kaisha. Document stand. 4,877,212, 10-31-89, Cl. 248-444.100.

Kobayashi, Mitsuo: *See—*

Watanabe, Kikuo; Kobayashi, Mitsuo; Hirose, Noboru; and Sato, Keiichi, 4,813,122, Cl. 29-568.000.

Kobayashi, Mitsuru: *See—*

Miyazawa, Hideo; Andoh, Ikuhiro; Koyama, Hiromichi; and Kobayashi, Mitsuru, 4,797,119, Cl. 439-395.000.

Kobayashi, Motoki, to Oki Electric Industry Co., Ltd. Method of fabricating a semiconductor device. 4,810,669, 3-7-89, Cl. 437-67.000.

Kobayashi, Motonobu; Inoue, Akira; Hagi, Mitsuharu; Nagai, Tsuyoshi; and Kinoshita, Hutoru, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Method of cleaning exhaust gases. 4,814,153, 3-21-89, Cl. 423-213.200.

Kobayashi, Motonobu; Kinoshita, Futoru; Mitsui, Kiichiro; and Inoue, Akira, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Method for removal of nitrogen oxides from exhaust gas of diesel engine. 4,854,123, 8-8-89, Cl. 60-274.000.

Kobayashi, Naoki; Sugiura, Hideo; and Horikoshi, Yoshiji, to Nippon Telegraph and Telephone Corporation. Method for forming thin films of compound semiconductors by flow rate modulation epitaxy. 4,829,022, 5-9-89, Cl. 437-107.000.

Kobayashi, Naoki; and Ohi, Sankichi, to Asahi Chemical Synthetic Co., Ltd.; and Melt Technical & Research Co., Ltd. Apparatus for intermittent application of a coating. 4,846,098, 7-11-89, Cl. 118-300.000.

Kobayashi, Naoki: *See—*

Horio, Motohiko; Kobayashi, Naoki; and Kaneko, Kouji, 4,814,876, Cl. 358-160.000.

Sasaki, Hidemi; Kaneko, Kiyotaka; and Kobayashi, Naoki, 4,835,635, Cl. 360-96.500.

Sasaki, Hidemi; and Kobayashi, Naoki, 4,835,639, Cl. 360-99.060.

Sasaki, Hidemi; and Kobayashi, Naoki, 4,860,136, Cl. 360-99.050.

Sasaki, Hidemi; and Kobayashi, Naoki, 4,864,446, Cl. 360-106.000.

Kobayashi, Naoya; Ohnishi, Makoto; and Kokuryo, Yoshiro, to Hitachi, Ltd.; and Hitachi Denshi Kabushiki Kaisha. Maximum likelihood decoder. 4,823,346, 4-18-89, Cl. 371-43.000.

Kobayashi, Noboru, to Yamaha Hatsudoki Kabushiki Kaisha. Marine vessel with internal combustion engine having an exhaust pipe. 4,824,409, 4-25-89, Cl. 440-47.000.

Kobayashi, Nobuo; Tanimoto, Iwao; Watanabe, Atsushi; and Shinto, Hiroaki, to Toyota Jidosha Kabushiki Kaisha. Rack-and-pinion type steering gear for automotive vehicles. 4,800,770, 1-31-89, Cl. 74-422.000.

Kobayashi, Nobuo: *See—*

Mochizuki, Hiroyuki; Kobayashi, Nobuo; Tamaki, Shigenori; Iwase, Takahiro; Masuda, Naofumi; and Taguchi, Yoshio, 4,806,388, Cl. 427-46.000.

Okayama, Hideaki; Matoba, Akio; Kobayashi, Nobuo; Asabayashi, Issei; Nagai, Kiyoshi; and Shibuya, Ryoko, 4,846,542, Cl. 350-96.150.

Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.

Tamaki, Shigenori; Machizuki, Hiroyuki; Kobayashi, Nobuo; Iwase, Takahiro; and Masuda, Naofumi, 4,806,387, Cl. 427-46.000.

Umehara, Kiyoshi; Yamamoto, Hisaomi; Kobayashi, Nobuo; and Imai, Tsutomu, 4,839,099, Cl. 252-607.000.

Yamaguchi, Hidehiko; Minami, Kouich; and Kobayashi, Nobuo, 4,813,905, Cl. 446-438.000.

Yamaguchi, Hidehiko; Minami, Kouichi; and Kobayashi, Nobuo, 4,878,873, Cl. 446-321.000.

Kobayashi, Nobutaka: *See—*

Aoyagi, Takuo; Kobayashi, Nobutaka; and Sasaki, Tadashi, 4,832,484, Cl. 356-41.000.

Kobayashi, Nobutoshi, to Nippon Scientific Co., Ltd.; and Kusumoto Chemicals Co., Ltd. Plastic mold decapsuling apparatus. 4,826,556, 5-2-89, Cl. 156-345.000.

Kobayashi, Nobuyoshi; Hara, Nobuo; Iwata, Seiichi; and Yamamoto, Naoki, to Hitachi, Ltd. Semiconductor device having electrodes and or interconnections of refractory metal film containing silicon oxide. 4,807,015, 2-21-89, Cl. 357-67.000.

Kobayashi, Norihide; Inaba, Tsutomu; Kimura, Tadashi; and Sugihara, Masahiro, to Mitsubishi Denki Kabushiki Kaisha. Scroll compressor with oil feeding passages in thrust bearing. 4,874,302, 10-17-89, Cl. 418-55.000.

Kobayashi, Norihide: *See—*

Kimura, Tadashi; Inaba, Tsutomu; Sugihara, Masahiro; and Kobayashi, Norihide, 4,824,344, Cl. 418-55.000.

Matsugi, Tetsuzo; Inaba, Tsutomu; and Kobayashi, Norihide, 4,795,324, Cl. 418-55.000.

Nakamura, Toshiyuki; Inaba, Tsutomu; Suzuki, Yasuyuki; and Kobayashi, Norihide, 4,824,343, Cl. 418-55.000.

Kobayashi, Norihisa: *See—*

Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Seto, Toru; Mitsuoka, Shigeaki; Morii, Atsushi; and Kobayashi, Norihisa, 4,857,276, Cl. 422-171.000.

Kobayashi, Norio; and Yoshimoto, Satoshi, to Brother Kogyo Kabushiki Kaisha. Driving device for step motor. 4,820,963, 4-11-89, Cl. 318-696.000.

Kobayashi, Osamu, to Fujitsu Limited. Amplifier having a cascade circuit. 4,806,877, 2-21-89, Cl. 330-253.000.

Kobayashi, Osamu; and Hayashi, Hiroshi, to Kabushiki Kaisha Nippon Coinco. Bill validator having constant spring bill accumulation mechanism. 4,809,966, 3-7-89, Cl. 271-181.000.

Kobayashi, Osamu; and Akagawa, Masaki, to Nippon Conlux Co., Ltd. Money discriminating apparatus. 4,850,468, 7-25-89, Cl. 194-207.000.

Kobayashi, Osamu; and Gotch, Kunihiko, to Fujitsu Limited. Voltage level setting circuit. 4,859,871, 8-22-89, Cl. 307-264.000.

Kobayashi, Osamu; Yukimoto, Koji; and Mikami, Mitsugu, to Kabushiki Kaisha Nippon Conlux. Coin separator. 4,874,347, 10-17-89, Cl. 453-5.000.

Kobayashi, Osamu; and Yukimoto, Koji, to Kabushiki Kaisha Nippon Conlux. A coin separator having a projecting wall for augmenting the separation of coins of different diameters. 4,878,573, 11-7-89, Cl. 194-338.000.

Kobayashi, Osamu; Hayashi, Hiroshi; and Yamagishi, Ryoji, to Kabushiki Kaisha Nippon Coinco. Bill validator. 4,880,096, 11-14-89, Cl. 194-206.000.

Kobayashi, Osamu; Sugimoto, Osamu; Furuya, Yonezou; Ishida, Takeshi; Tanaka, Masanori; and Ishii, Jun, to Nippon Conlux Co., Ltd. Coin discriminating apparatus. 4,881,630, 11-21-89, Cl. 194-203.000.

Kobayashi, Osamu; Furuya, Yonezou; Isida, Takeshi; and Mikami, Mitsugu, to Kabushiki Kaisha Nippon Coinco. Device and method for managing amount of stored coins. 4,883,158, 11-28-89, Cl. 194-217.000.

Kobayashi, Osamu; Miyagi, Satoshi; and Hanabusa, Kazuyoshi, to TDK Corporation. Coil means. 4,888,571, 12-19-89, Cl. 336-65.000.

Kobayashi, Osamu: *See—*

Hayashi, Yukichi; Furuya, Yonezo; Fukuda, Ichiroh; Akagawa, Masaki; and Kobayashi, Osamu, 4,850,469, Cl. 194-318.000.

Kousaka, Kunimitsu; Gotoh, Kunihiko; and Kobayashi, Osamu, 4,835,417, Cl. 307-362.000.

Kobayashi Pharmaceutical Co., Ltd.: *See—*

Takakura, Tetsuya; Asano, Kenzi; and Sugahara, Kazuyuki, 4,801,548, Cl. 435-301.000.

Kobayashi, Reiichi, to NEC Home Electronics Ltd. Digital color demodulator. 4,799,102, 1-17-89, Cl. 358-23.000.

Kobayashi, Ryoichi: *See—*

Fujino, Yasunori; Sugiura, Noboru; and Kobayashi, Ryoichi, 4,836,176, Cl. 123-640.000.

Kobori, Shigeyuki; Yamada, Kazuji; Kobayashi, Ryoichi; Miyazaki, Atsushi; and Suzuki, Seikou, 4,802,952, Cl. 156-634.000.

Miyazaki, Atsushi; and Kobayashi, Ryoichi, 4,813,272, Cl. 73-708.000.

Urushiwara, Noriyoshi; Sugiura, Noboru; Fujino, Yasunori; and Kobayashi, Ryoichi, 4,854,292, Cl. 123-630.000.

Kobayashi, Ryuichi; Harada, Yoshihito; Kawamura, Masaharu; Kataoka, Hiroyuki; and Kumakura, Toshiyuki, to Canon Kabushiki Kaisha. Aperture decision system for flash photographing. 4,806,963, 2-21-89, Cl. 354-415.000.

Kobayashi, Ryuichi, to Canon Kabushiki Kaisha. Camera having autofocus device. 4,887,117, 12-12-89, Cl. 354-400.000.

Kobayashi, Ryuichi: *See—*

Amano, Kenichiro; Kiuchi, Masayoshi; Harada, Yoshihito; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,849,780, Cl. 354-289.120.

Arakawa, Kazuhiko; and Kobayashi, Ryuichi, 4,864,344, Cl. 354-400.000.

Harada, Yoshihito; Kiuchi, Masayoshi; Kobayashi, Ryuichi; and Kawamura, Masaharu, 4,868,598, Cl. 354-472.000.

Kawamura, Masaharu; Harada, Yoshihito; Kobayashi, Ryuichi; Suzuki, Masayuki; Ohara, Tsunemasa; and Tosaka, Yoichi, 4,799,074, Cl. 354-173.100.

Kobayashi, Ryuji: *See—*

Murata, Shizuo; Emoto, Naoyoshi; Furukawa, Kenji; Kunimune, Kouichi; Kobayashi, Ryuji; and Tanaka, Masami, 4,864,008, Cl. 528-125.000.

Kobayashi, Saburo: *See—*

Kageyama, Hidehei; Mitsuya, Yoshihide; and Kobayashi, Saburo, 4,836,703, Cl. 401-65.000.

Kobayashi, Sadao; Ishihara, Yuji; Sato, Katsuyuki; and Ijichi, Kouichi, to Seibulite International Kabushiki Kaisha. Double layer pavement marking sheet material. 4,876,141, 10-24-89, Cl. 428-217.000.

Kobayashi, Satoru. Anchor retrieving device. 4,836,126, 6-6-89, Cl. 114-297.000.

Kobayashi, Satoru. Anchor. 4,848,261, 7-18-89, Cl. 114-299.000.

Kobayashi, Satoru, to NEC Corporation. Dual port memory circuit. 4,855,959, 8-8-89, Cl. 365-239.000.

Kobayashi, Satoshi; and Kato, Koji, to Nissan Motor Co., Ltd.; Nissan Shatai Company, Limited; Ohi Seisakusho Co., Ltd.; and Fuji Kiko Co., Ltd. Automatic transmission shift control device. 4,884,668, 12-5-89, Cl. 192-4.00A.

Kobayashi, Satoshi: *See—*

Awane, Misao; Hara, Seiji;; and Kobayashi, Satoshi, 4,834,231, Cl. 194-217.000.

Hara, Seiji; and Kobayashi, Satoshi, 4,803,682, Cl. 371-12.000.

Kobayashi, Seiichi: *See—*

Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, 4,833,160, Cl. 514-424.000.

Kobayashi, Seiji; and Ohsato, Kiyoshi, to Sony Corporation. Optical recording and reproducing apparatus including a disc extraction area for power setting a laser. 4,796,250, 1-3-89, Cl. 369-54.000.

Kobayashi, Seiji; and Nishida, Norio, to Sony Corporation. Tracking servo uses tangent function to determine tracking error signal. 4,853,918, 8-1-89, Cl. 369-44.000.

Kobayashi, Seishichi: *See—*

Imazu, Katsuhiro; Horiguchi, Makoto; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Taira, Kazuo; and Ueno, Hiroshi, 4,863,063, Cl. 220-458.000.

Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa, 4,805,795, Cl. 220-75.000.

Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru, Matsuno, Kenji; and Ishibashi, Kazuhisa, 4,840,304, Cl. 228-214.000.

Kobayashi, Seizo; Usui, Katumi; Mizoe, Takashi; Yamaoka, Noboru; and Matsuura, Kazuo, to Nippon Oil Company, Limited. Thermoplastic elastomer compositions. 4,822,855, 4-18-89, Cl. 525-194.000.

Kobayashi, Seizo: *See—*

Sano, Akira; Kobayashi, Seizo; Matsuura, Kazuo; Yokoyama, Shigeki; and Kamiya, Takeshi, 4,879,076, Cl. 264-28.000.

Kobayashi, Setsuo; Nakazawa, Tsugio; Yoshie, Yasumasa; Abiko, Yasushi; and Kameda, Kinya, to Daiichi Seiyaku Co., Ltd. Antiasthmatic agent. 4,874,772, 10-17-89, Cl. 514-341.000.

Kobayashi, Shigeo; Yoshida, Osamu; Saito, Haruo; Shigeta, Tsutomu; Nara, Hiroshi; Abe, Shinji; and Yamamoto, Kiyoharu, to Oki Electric Industry Co., Ltd. Work following apparatus and method for press working. 4,805,439, 2-21-89, Cl. 72-419.000.

Kobayashi, Shigeo; and Nishida, Takashi, to Toyo Boseki Kabushiki Kaisha. Thermoplastic polymer composition. 4,871,799, 10-3-89, Cl. 525-64.000.

Kobayashi, Shigeo: *See—*

Fujimoto, Susumu; and Kobayashi, Shigeo, 4,806,588, Cl. 524-505.000.

Kobayashi, Shigeru: *See—*

Muko, Ryoichi; Mochizuki, Kazuo; Kimura, Hajime; Ichida, Toshio; and Kobayashi, Shigeru, 4,834,845, Cl. 204-28.000.

Okada, Kunio; and Kobayashi, Shigeru, 4,800,976, Cl. 180-142.000.

Kobayashi, Shigetoshi; and Chiba, Terunobu, to Clarion Co., Ltd. Automobile electronic device. 4,829,595, 5-9-89, Cl. 455-346.000.

Kobayashi, Shigetoshi, to Clarion Co., Ltd. Multi-stage push button switch device. 4,877,925, 10-31-89, Cl. 200-5.00A.

Kobayashi, Shigetoyo: *See—*

Nomura, Hironori; Taiji, Shimakawa; Shinohara, Junji; Kobayashi, Shigetoyo; and Yamamoto, Hiroki, 4,838,969, Cl. 156-160.000.

Kobayashi, Shigeyoshi; Munekata, Seiji; Unoki, Masao; and Iwamoto, Toshio, to Asahi Glass Company Ltd. Light-transmitting fiber of glass core and clad of cured copolymer of fluoroolefin and alkyl ether. 4,804,246, 2-14-89, Cl. 350-96.340.

Kobayashi, Shigeyoshi; Yaba, Susumu; and Takigawa, Tomoya, to Asahi Glass Company, Ltd. Gas feeding nozzle for a chemical vapor deposition apparatus. 4,880,163, 11-14-89, Cl. 239-422.000.

Kobayashi, Shingo: *See—*

Kato, Takeo; Kobayashi, Shingo; Takagi, Kazuo; Watanabe, Masahiro; and Kaneko, Kiyoshi, 4,881,173, Cl. 364-431.070.

Kobayashi, Shinichi, to NEC Corporation. RF power control circuit. 4,853,612, 8-1-89, Cl. 323-354.000.

Kobayashi, Shinichi: *See—*

Arakawa, Hajime; Yamaoka, Osamu; Kobayashi, Shinichi; Okumura, Kunio; and Morishita, Kanichi, 4,814,938, Cl. 361-302.000.

Kobayashi, Shinji; and Sasaki, Tomio, to Ricoh Company, Ltd. Image reading apparatus having a plurality of image sensors. 4,827,350, 5-2-89, Cl. 358-280.000.

Kobayashi, Shinji: *See—*

Sato, Toru; Morito, Nobuyuki; and Kobayashi, Shinji, 4,809,768, Cl. 164-423.000.

Kobayashi, Shinma, to Nissan Shatai Company, Limited. Automatic air conditioning system for an automotive vehicle. 4,819,715, 4-11-89, Cl. 165-16.000.

Kobayashi, Shintaro: *See—*

Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; and Kobayashi, Shintaro, 4,826,360, Cl. 406-51.000.

Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.

Kobayashi, Shiro; Itoh, Masahiko; and Minato, Akira, to Hitachi, Ltd. Resin packaged semiconductor device having a protective layer made of a metal-organic matter compound. 4,82[illegible],148, 4-11-89, Cl. 361-392.000.

Kobayashi, Shoei; Wada, Takuya; and Yamamura, Shinichi. Apparatus for recording and/or reproducing optical cards. 4,852,101, 7-25-89, Cl. 371-40.000.

Kobayashi, Shogo; Tsumuraya, Kenichi; and Horie, Kazuhiro, to Seikosha Co., Ltd. Printer. 4,815,876, 3-28-89, Cl. 400-603.100.

Kobayashi, Shohei: *See—*

Miyazaki, Yasuhiro; Okada, Hiroo; Tsurukawa, Toshio; and Kobayashi, Shohei, 4,819,220, Cl. 369-45.000.

Kobayashi, Shoichi; and Arahira, Masaomi, to Director of National Food Research Institute Ministry of Agriculture, Forestry and Fisheries. Heterogeneous multiple-branched cyclodextrin and method for the preparation thereof. 4,871,840, 10-3-89, Cl. 536-103.000.

Kobayashi, Shozou: *See—*

Fujiwara, Tetsuo; Fuji, Hiroshi; Iwaki, Takashi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,843,604, Cl. 369-116.000.

Tsuji, Kentaro; Fujiwara, Tsuneo; Maeda, Shigemi; Yamaguchi, Taeshi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,868,922, Cl. 360-51.000.

Kobayashi, Shuhei: *See—*

Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, 4,798,758, Cl. 428-213.000.

Kobayashi, Shuji: *See—*

Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, 4,831,712, Cl. 29-527.600.

Kobayashi, Shunji: *See—*

Okumura, Tsunemasa; and Kobayashi, Shunji, 4,821,388, Cl. 29-159.010.

Kobayashi, Shunsuke, to Fuji Photo Film Co., Ltd. Liquid crystal display element having alignment film formed of plasma-polymerized acetonitrile. 4,812,018, 3-14-89, Cl. 350-341.000.

Kobayashi, Souji, to Taseto Co., Ltd. Back-fire preventive unit in a gas cutting torch. 4,806,096, 2-21-89, Cl. 431-346.000.

Kobayashi, Souji, to Taseto Co., Ltd. Gas cutting torch. 4,818,220, 4-4-89, Cl. 431-264.000.

Kobayashi, Sumio; Tokashiki, Mutsuo; Tomita, Hiroyuki; Okawa, Tadashi; and Sugai, Hiroshi, to Hitachi, Ltd. Rotating speed measuring apparatus having a corrector for low and high speeds using angle and frequency transducers. 4,808,933, 2-28-89, Cl. 324-163.000.

Kobayashi, Susumu; and Satoh, Kazumasa, to Terumo Corporation. Portable pump for infusing medicine into a living body. 4,840,620, 6-20-89, Cl. 604-246.000.

Kobayashi, Syoji, to Koito Manufacturing Co., Ltd. Car number plate lamp. 4,868,723, 9-19-89, Cl. 362-80.000.

Kobayashi, Tadashi; Suzuki, Katsumi; and Nakamura, Naomasa, to Kabushiki Kaisha Toshiba. Optical recording medium. 4,803,660, 2-7-89, Cl. 365-113.000.

Kobayashi, Tadashi, to Canon Kabushiki Kaisha. Opto-magnetic recording medium having three exchange-coupled magnetic layers. 4,842,956, 6-27-89, Cl. 428-611.000.

Kobayashi, Tadashi, to Kabushiki Kaisha Toshiba. Information storage medium and method of erasing information. 4,860,274, 8-22-89, Cl. 369-100.000.

Kobayashi, Tadashi, to Canon Kabushiki Kaisha. Opto-magnetic recording medium having three exchange-coupled magnetic layers. 4,871,614, 10-3-89, Cl. 428-336.000.

Kobayashi, Tadashi: *See—*

Aoki, Hachiro; Kobayashi, Tadashi; Kuronuma, Junya; and Kikuchi, Hideya, 4,881,926, Cl. 474-25.000.

Takayanagi, Hiroshi; Kobayashi, Tadashi; Masuda, Takayoshi; and Shinoda, Hosei, 4,859,763, Cl. 528-357.000.

Yasuma, Jun-ichi; Kobayashi, Tadashi; and Ishikawa, Masakuni, 4,839,509, Cl. 235-482.000.

Kobayashi, Taeko, to Zokeisha Publications, Ltd. Amusement and instructional device. 4,865,574, 9-12-89, Cl. 446-72.000.

Kobayashi, Takao: *See—*

Chiba, Kazuo; Ohishi, Yoshiaki; Migita, Jituo; Mochizuki, Hajime; and Kobayashi, Takao, 4,883,950, Cl. 235-440.000.

Kobayashi, Takashi: *See—*

Fukatsu, Tsutomu; Hori, Taizou; Masui, Toshiyuki; Kobayashi, Takashi; Wakui, Tetsuya; and Takahashi, Koji, 4,853,803, Cl. 360-72.200.

Tanaka, Yukitaka; Omura, Hisao; Irinatsu, Yuuichi; Kobayashi, Takashi; and Noguchi, Aiko, 4,873,109, Cl. 426-607.000.

Kobayashi, Takatoshi; and Ohya, Takahiro, to KAO Corporation. Process for producing highly absorptive resin. 4,806,578, 2-21-89, Cl. 523-402.000.

Kobayashi, Takatoshi: *See—*

Hosokawa, Yasunori; and Kobayashi, Takatoshi, 4,812,486, Cl. 521-139.000.

Nakanishi, Minoru; Sakurai, Akira; Kobayashi, Takatoshi; Meiwa, Zenbei; and Abe, Norihiro, 4,850,991, Cl. 604-387.000.

Kobayashi, Takayuki: *See—*

Kijima, Takashi; Matsui, Jyun; Sera, Takaaki; Kobayashi, Takayuki; Takakusa, Shunji; and Ogata, Hiroshi, 4,833,001, Cl. 428-141.000.

Kobayashi, Takehiro: *See—*

Emura, Masaharu; and Kobayashi, Takehiro, 4,824,046, Cl. 242-220.000.

Uetsuki, Haruo; Kobayashi, Takehiro; and Makino, Kounoshin, 4,821,975, Cl. 242-84.52B.

Yasuoka, Norio; Kobayashi, Takehiro; Hikida, Nobuharu; Hatakeyama, Yasuyuki; Aoto, Yoshiyuki; and Itogawa, Jiro, 4,885,766, Cl. 379-105.000.

Kobayashi, Takeo; and Numako, Norio, to Asahi Optical Co. Ltd. Display device for indicating the setting of a zoom lens. 4,855,782, 8-8-89, Cl. 354-475.000.

Kobayashi, Takeo: *See—*

Nakajima, Masao; Kobayashi, Takeo; and Yonehara, Shigeki, 4,830,908, Cl. 428-246.000.

Kobayashi, Takeshi; and Asai, Junichi, to Seiko Seiki Kabushiki Kaisha. Variable-capacity gas compressor. 4,824,330, 4-25-89, Cl. 417-295.000.

Kobayashi, Takeshi; Nagasaka, Kohji; and Sejimo, Yoshimi, to Walbro Far East, Inc. Apparatus for supplying start-fuel in the internal combustion engine for a portable type working machine. 4,862,847, 9-5-89, Cl. 123-187.50R.

Kobayashi, Takeshi; Nagasaka, Kohji; and Sejimo, Yoshimi, to Walbro Far East, Inc. Apparatus for supplying start-fuel in the internal combustion engine for a portable type working machine. 4,862,848, 9-5-39, Cl. 123-187.50R.

Kobayashi, Takeshi; and Asai, Junichi, to Seiko Seiki Kabushiki Kaisha. Gas compressor of variable volume. 4,881,878, 11-21-89, Cl. 417-295.000.

Kobayashi, Takeshi; and Asai, Junichi, to Seiko Seiki Kabushiki Kaisha. Gas compressor of variable volume. 4,887,943, 12-19-89, Cl. 417-295.000.

Kobayashi, Takeshi: *See—*

Nagasaka, Kohji; Kobayashi, Takeshi; and Sejimo, Yoshimi, 4,796,578, Cl. 123-378.000.

Nagasaka, Kohji; Kobayashi, Takeshi; and Sejimo, Yoshimi, 4,796,583, Cl. 123-378.000.

Sato, Yuichi; Tsunekawa, Tokuichi; Hiramatsu, Akira; Katsuma, Makoto; Yamada, Shigeki; and Kobayashi, Takeshi, 4,833,544, Cl. 358-287.000.

Kobayashi, Takuichi: *See—*

Kataoka, Hiroshi; Kunitomo, Tetsunosuke; and Kobayashi, Takuichi, 4,834,882, Cl. 210-321.600.

Kobayashi, Takumi: *See—*

Kurei, Hiroshi; Arai, Akihiro; and Kobayashi, Takumi, 4,860,043, Cl. 354-286.000.

Suwa, Yoshihide; Kobayashi, Takumi; Ishigouoka, Hiroshi; and Ono, Miyoko, 4,867,990, Cl. 426-8.000.

Kobayashi, Tatsuhiko; Goto, Sohei; and Okauchi, Ken, to Konishiroku Photo Industry Co., Ltd. Positive image forming method. 4,868,089, 9-19-89, Cl. 430-203.000.

Kobayashi, Tatsuji: *See—*

Kobayashi, Tsutomu; Otsuka, Kiichiro; Kubota, Eiji; and Kobayashi, Tatsuji, 4,818,863, Cl. 250-288.000.

Kobayashi, Tatsunobu: *See—*

Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, Tatsuo; Kobayashi, Tatsunobu; and Katou, Kouki, 4,817,410, Cl. 72-199.000.

Kobayashi, Tatsuo: *See—*

Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.

Kobayashi, Tatsuya: *See—*

Yoshikawa, Masao; Kobayashi, Tatsuya; and Saito, Takashi, 4,831,408, Cl. 346-157.000.

Kobayashi, Tatuhiro; Ebata, Yasuhiko; Matsumi, Hideki; Fukui, Seiji; and Ukai, Koichi, to Matsushita Electric Industrial Co., Ltd. Wind direction deflection blade mounting apparatus. 4,813,345, 3-21-89, Cl. 98-94.200.

Kobayashi, Tatuya: *See—*

Yoshikawa, Masao; and Kobayashi, Tatuya, 4,887,102, Cl. 346-157.000.

Kobayashi, Teiji; Tomishima, Yoshio; Yamamoto, Taizo; and Nojima, Yasuhiro, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for suspension polymerization of vinyl chloride in a reactor equipped with a reflux condenser and a modified brumaging impeller. 4,849,482, 7-18-89, Cl. 526-78.000.

- Kobayashi, Teruaki: *See—*
  - Nagai, Keiichi; Tokinaga, Daizo; Imai, Kazumichi; Yasuda, Kenji; Takahashi, Satoshi; and Kobayashi, Teruaki, 4,824,778, Cl. 435-7.000.
- Kobayashi, Teruo, to Toyoda Gosei Co., Ltd. Method of making a steering wheel. 4,811,472, 3-14-89, Cl. 29-159.00B.
- Kobayashi, Tetsuhiko: *See—*
  - Haruta, Masatake; and Kobayashi, Tetsuhiko, 4,839,327, Cl. 502-243.000.
- Kobayashi, Tetsuo; and Hayakawa, Masaharu, to Mitsubishi Denki Kabushiki Kaisha. Magnetic tape recording and/or reproducing apparatus with slow motion effect 4,890,169, 12-26-89, Cl. 360-10.300.
- Kobayashi, Tetsuo: *See—*
  - Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.
  - Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo; Takeura, Tooru; and Momata, Kazuhiro, 4,841,399, Cl. 360-113.000.
- Kobayashi, Tetsuro: *See—*
  - Kawabata, Misao; and Kobayashi, Tetsuro, 4,796,683, Cl. 152-209.00R.
- Kobayashi, Tetsuya: *See—*
  - Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
- Kobayashi, Tetuo, to Nippon Cable System, Inc. Mechanism for automatically regulating tension of wires employed in a window regulator. 4,813,304, 3-21-89, Cl. 74-501.50R.
- Kobayashi, Tetuo; and Hirai, Shoichi, to Nippon Cable System, Inc. Driving device employed in a window regulator. 4,840,080, 6-20-89, Cl. 74-501.50R.
- Kobayashi, Tetuo; and Yamane, Mitsuo, to Brother Kogyo Kabushiki Kaisha. Method of preparing dry transfer sheets by printing via ink ribbon. 4,870,427, 9-26-89, Cl. 346-1.100.
- Kobayashi, Tohru: *See—*
  - Itoh, Hiroyuki; Yagyu, Masayoshi; Yamada, Toshio; Osanai, Masaru; Masaki, Akira; Usami, Mitsuo; Kobayashi, Tohru; and Hamamoto, Masato, 4,868,420, Cl. 307-441.000.
- Kobayashi, Tokuzo; and Watanabe, Iwao, to O M Kiki Co., Ltd. Free-access floor. 4,850,163, 7-25-89, Cl. 52-126.600.
- Kobayashi, Tomie: *See—*
  - Asami, Toshiaki; Ikeda, Takayuki; Mogi, Toru; and Kobayashi, Tomie, 4,834,134, Cl. 137-493.300.
- Kobayashi, Tomio: *See—*
  - Kubota, Makoto; Kumura, Tatsuo; Saito, Junichi; Kobayashi, Tomio; and Sato, Heikichi, 4,819,113, Cl. 360-126.000.
- Kobayashi, Toru: *See—*
  - Matsuno, Kazuhiro, deceased; Kobayashi, Toru; Miyoshi, Takeshi; and Kawashima, Hideaki, 4,797,493, Cl. 548-312.000.
- Kobayashi, Toshiaki: *See—*
  - Tanaka, Masato; Kobayashi, Toshiaki; and Sakakura, Toshiyasu, 4,820,823, Cl. 548-200.000.
- Kobayashi, Toshifumi, to Mitsubishi Denki Kabushiki Kaisha. Power on reset pulse generating circuit sensitive to rise time of the power supply. 4,818,904, 4-4-89, Cl. 307-594.000.
- Kobayashi, Toshiharu: *See—*
  - Shirai, Toshio; Ando, Makoto; Unno, Keisuke; and Kobayashi, Toshiharu, 4,819,102, Cl. 360-17.000.
- Kobayashi, Toshihiro, to Aisin Seiki Kabushiki Kaisha. Acceleration detecting device. 4,848,157, 7-18-89, Cl. 73-517.00R.
- Kobayashi, Toshiki: *See—*
  - Oikawa, Toshihiro; Tanai, Tsuneo; Yamada, Noriyuki; Saka, Tsutomu; and Kobayashi, Toshiki, 4,883,027, Cl. 123-90.160.
- Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, to Aisin Seiki Kabushiki Kaisha. Belt having embedded wires interlaced across lengthwise surfaces of shafts. 4,861,323, 8-29-89, Cl. 474-260.000.
- Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, to Aisin Seiki Kabushiki Kaisha. Belt having embedded wires interlaced across lengthwise surfaces of shafts. 4,883,448, 11-28-89, Cl. 474-260.000.
- Kobayashi, Toshio, to Asahi Corporation. Toy game apparatus. 4,802,668, 2-7-89, Cl. 273-1.0GE.
- Kobayashi, Toshio, to Ashai Corporation. Action toy game apparatus. 4,826,160, 5-2-89, Cl. 273-1.0GE.
- Kobayashi, Toshio, to Ashai Corporation. Action toy game apparatus. 4,826,176, 5-2-89, Cl. 273-354.000.
- Kobayashi, Toshio; Otomo, Shigekazu; Nakatani, Ryoichi; and Kumasaka, Noriyuki, to Hitachi, Ltd. Magnetic film and magnetic head using the same. 4,858,049, 8-15-89, Cl. 360-126.000.
- Kobayashi, Toshio, to Asahi Corporation. Action toy game apparatus. 4,880,231, 11-14-89, Cl. 273-1.0GD.
- Kobayashi, Toshio, to Asahi Corporation. Toy-game apparatus. 4,883,273, 11-28-89, Cl. 273-110.000.
- Kobayashi, Toshio: *See—*
  - Kaneko, Katsutoshi; Kobayashi, Toshio; and Watari, Mitsuru, 4,878,972, Cl. 156-78.000.
  - Kushida, Keiko; Takeuchi, Hiroshi; Kobayashi, Toshio; Takagi, Kazumasa; and Susa, Kenzo, 4,803,392, Cl. 310-311.000.
  - Otake, Hiromasa; and Kobayashi, Toshio, 4,828,473, Cl. 425-145.000.
  - Sakamoto, Keiji; and Kobayashi, Toshio, 4,831,317, Cl. 318-599.000.
  - Susa, Kenzo; Takagi, Kazumasa; Kobayashi, Toshio; Takayama, Takanobu; and Ohta, Norio, 4,876,144, Cl. 428-336.000.
  - Suzuki, Migaku; and Kobayashi, Toshio, 4,805,275, Cl. 28-104.000.
  - Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Kobayashi, Toshio, 4,840,829, Cl. 428-131.000.
- Kobayashi, Toshiro, to Kurimoto, Ltd. Manufacturing process of toughened bainitic nodular graphite cast iron. 4,867,804, 9-19-89, Cl. 148-3.000.
- Kobayashi, Toshitaka: *See—*
  - Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,581, Cl. 428-412.000.
  - Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,755, Cl. 525-285.000.
  - Harada, Hidetoshi; Chihara, Satoshi; Suginaka, Yutaka; Suido, Shigeko; and Kobayashi, Toshitaka, 4,840,814, Cl. 426-580.000.
- Kobayashi, Toshiyuki: *See—*
  - Eguchi, Hitoshi; Akiyama, Tsutomu; Kobayashi, Toshiyuki; Okada, Michio; Takahashi, Minoru; and Osawa, Yukio, 4,847,528, Cl. 310-239.000.
- Kobayashi, Toyohiko: *See—*
  - Yamada, Nobuo; and Kobayashi, Toyohiko, 4,885,274, Cl. 512-16.000.
- Kobayashi, Toyohiro; Otsuka, Nobuo; Thompson, Peter; and Stratton, Larry J., to Mitsubishi Denki Kabushiki Kaisha. Air conditioning system. 4,795,088, 1-3-89, Cl. 236-49.000
- Kobayashi, Toyohiro; Otsuka, Nobuo; and Thompson, Peter, to Mitsubishi Denki Kabushiki Kaisha. Duct type air conditioning system 4,811,897, 3-14-89, Cl. 236-49.000.
- Kobayashi, Toyoko: *See—*
  - Yoshinaga, Kazuo; Katagiri, Kazuharu; Kobayashi, Toyoko; and Shinjo, Kenji, 4,876,027, Cl. 252-299.650
- Kobayashi, Tsuneki: *See—*
  - Tokoro, Hiroyoshi; Kobayashi, Tsuneki; Hosoya, Kenei; Nobumori, Shogo; and Hayakawa, Mitsuaki, 4,806,979, Cl. 355-14.0SH.
- Kobayashi, Tsutomu, to Jeol Ltd. Ion source for mass spectrometer 4,810,878, 3-7-89, Cl. 250-288.000.
- Kobayashi, Tsutomu; Otsuka, Kiichiro; Kubota, Eiji; and Kobayashi, Tatsuji, to JEOL Ltd. Ion source for use in a mass spectrometer 4,818,863, 4-4-89, Cl. 250-288.000.
- Kobayashi, Tsutomu: *See—*
  - Kobayashi, Koichi; Shinomiya, Masaki; Kobayashi, Tsutomu; Higashikawa, Masahiro; and Ukegawa, Shin, 4,864,194, Cl. 315-248.000.
- Kobayashi, Uruo; Oki, Youji; and Kawano, Katsunori, to Stanley Electric Co., Ltd. Power source device for driving liquid crystal 4,865,425, 9-12-89, Cl. 350-345.000.
- Kobayashi, Wataru: *See—*
  - Izumi, Takayuki; Komine, Kikuji; and Kobayashi, Wataru, 4,810,437, Cl. 264-29.200.
  - Kawasaki, Tsutomu; and Kobayashi, Wataru, 4,874,511, Cl. 210-198.200.
- Kobayashi, Yakayuki: *See—*
  - Winkler, Robert; Sala, Siro; Kobayashi, Yakayuki; and Yokota, Shinjiro, 4,830,707, Cl. 159-47.100.
- Kobayashi, Yasuhiko: *See—*
  - Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.
- Kobayashi, Yasuhiro: *See—*
  - Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,861,323, Cl. 474-260.000.
  - Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,883,448, Cl. 474-260.000.
  - Mitsuta, Toru; Wada, Yutaka; and Kobayashi, Yasuhiro, 4,831,546, Cl. 364-512.000.
- Kobayashi, Yasuhito: *See—*
  - Iwase, Yoshiki; and Kobayashi, Yasuhito, 4,812,919, Cl. 358-310.000.
  - Iwase, Yoshiki; and Kobayashi, Yasuhito, 4,873,581, Cl. 358-310.000.
- Kobayashi, Yasuo, to NEC Corporation. Semiconductor memory with improved write function. 4,858,188, 8-15-89, Cl. 365-189.050.
- Kobayashi, Yasuo; and Endo, Masahiko, to Yazaki Corporation. Waterproof connecting structure for connector. 4,861,282, 8-29-89, Cl. 439-540.000.
- Kobayashi, Yasuo: *See—*
  - Okumura, Senji; Kobayashi, Yasuo; Sugiura, Ryuzo; and Ikeda, Masatoshi, 4,821,316, Cl. 379-156.000.
  - Yamaguchi, Takashi; and Kobayashi, Yasuo, 4,825,110, Cl. 307-530.000.
- Kobayashi, Yoichi: *See—*
  - Kan, Tatsuhiko; Kobayashi, Yoichi; Sonoike, Yoshiko; Terashima, Tsuneo; and Mutai, Masahiko, 4,859,488, Cl. 426-658.000.
- Kobayashi, Yoneji: *See—*
  - Ezaki, Hiroshi; Kobayashi, Yoneji; and Iida, Katsumi, 4,874,171, Cl. 273-77.00A.
- Kobayashi, Yoshiaki: *See—*
  - Hisatsune, Fumiyuki; Fujii, Hiroshi; Yamagata, Shinji; and Kobayashi, Yoshiaki, 4,866,226, Cl. 200-147.00B.
  - Kaneko, Tadashi; Kobayashi, Yoshiaki; and Arai, Mitsutaka, 4,828,951, Cl. 430-47.000.
- Kobayashi, Yoshiharu, to Mitsubishi Denki Kabushiki Kaisha. Flat motor with simplified detector rotor mounting. 4,827,175, 5-2-89, Cl. 310-268.000.
- Kobayashi, Yoshihiko: *See—*
  - Umezawa, Hamao; Umezawa, Sumio; Tsuchiya, Tsutomu; and Kobayashi, Yoshihiko, 4,845,082, Cl. 514-41.000.
  - Umezawa, Sumio; Tsuchiya, Tsutomu; Takeuchi, Tomio; Umezawa, Kazuo; Takahashi, Yoshiaki; Shitara, Tetsuo; Kobayashi, Yoshihiko; and Takagi, Yasushi, 4,873,225, Cl. 514-41.000.
- Kobayashi, Yoshikazu, to Nippon Columbia Kabushikikaisha. Recording disc with sync information disposed in radial alignment. 4,825,304, 4-25-89, Cl. 358-342.000.
- Kobayashi, Yoshikazu: *See—*
  - Sasa, Takeya; Kobayashi, Yoshikazu; and Makishima, Reichi, 4,875,720, Cl. 285-249.000.
- Kobayashi, Yoshiki: *See—*
  - Mishima, Tadaaki; Kanasaki, Morio; Takatoo, Masao; Fujiwara, Kazunori; and Kobayashi, Yoshiki, 4,823,194, Cl. 358-282.000.
- Kobayashi, Yoshimitsu: *See—*
  - Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyuki; Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohgaki, Mitsuaki, 4,839,207, Cl. 428-64.000.
- Kobayashi, Yoshinobu; Itou, Tosio; and Inoue, Takayuki, to Mitsubishi Petrochemical Co., Ltd. Polyphenylene ether resin composition. 4,879,360, 11-7-89, Cl. 525-396.000.
- Kobayashi, Yoshinobu, to Sumitomo Electric Industries, Ltd. Integrated circuit for controlling the loads of automobile circuitry. 4,882,502, 11-21-89, Cl. 307-247.100.
- Kobayashi, Yoshinobu. Method of making drills, endmills and other rotating-and-cutting tools. 4,887,496, 12-19-89, Cl. 76-108.00R.
- Kobayashi, Yoshinori; Tamura, Naoyuki; Sakai, Takanobu; and Yoshida, Yoshinori, to Mitsui Petrochemical Industries, Ltd. Very soft polyolefin spunbonded nonwoven fabric. 4,810,556, 3-7-89, Cl. 428-152.000.
- Kobayashi, Yoshio; Tojo, Chiaki; and Kinoshita, Masayoshi, to Hitachi Zosen Corporation. Fine particle dispersing device for mixing reactant with combustion gas. 4,796,547, 1-10-89, Cl. 110-263.000.
- Kobayashi, Yoshio: *See—*
  - Araki, Kazuo; Matsumoto, Seiji; Kobayashi, Yoshio; and Fukushima, Hisao, 4,847,034, Cl. 264-550.000.
- Kobayashi, Yuhei: *See—*
  - Ohtsuki, Tadashi; Henmi, Fumiaki; and Kobayashi, Yuhei, 4,845,696, Cl. 369-13.000.
- Kobayashi, Yuichi; and Saito, Satoshi, to Pentel Kabushiki Kaisha. Marking ink composition. 4,822,417, 4-18-89, Cl. 106-23.000.
- Kobayashi, Yuichi: *See—*
  - Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuichi, 4,800,839, Cl. 118-691.000.
  - Kameyama, Toshiaki; and Kobayashi, Yuichi, 4,872,660, Cl. 271-9.000.
- Kobayashi, Yukihiro: *See—*
  - Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.
- Kobayashi, Yukimori: *See—*
  - Okabe, Yoshio; Kobayashi, Yukimori; Ishikawa, Makoto; Kamiya, Tamotsu; and Atsumi, Tomiaki, 4,798,563, Cl. 474-110.000.
  - Shirai, Eiji; Okabe, Yoshio; and Kobayashi, Yukimori, 4,858,572, Cl. 123-90.120.
- Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, to Showa Denko Kabushiki Kaisha; and Hitachi, Ltd. Nonaqueous secondary battery. 4,803,138, 2-7-89, Cl. 429-194.000.
- Kobayashi, Yukio: *See—*
  - Kondo, Hitoshi; Sasaki, Makoto; and Kobayashi, Yukio, 4,803,248, Cl. 525-211.000.
  - Tsuchiya, Shozo; Sasaki, Makoto; and Kobayashi, Yukio, 4,849,486, Cl. 525-152.000.
- Kobayashi, Yukoh. Portable mailing scale. 4,799,560, 1-24-89, Cl. 177-148.000.
- Kobayashi, Yutaka: *See—*
  - Satake, Yoshikatsu; Kaneko, Takashi; Kobayashi, Yutaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya. 4,886,871, Cl. 528-226.000.
  - Yazawa, Yoshiaki; Kobayashi, Yutaka; Fukami, Akira; and Nagano, Takahiro, 4,819,043, Cl. 357-23.300.
- Kobbing, Heinz; and Gebhard, Hermann, to Fraunhofer Gesellschaft zur Forderung der angewandten Forschung e.V. Reflection light bearer system with self-testing feature. 4,797,548, 1-10-89, Cl. 250-221.000.
- Kobe, Joze; Gnidovec, Joze; and Zupet, Pavle, to KRKA. Process for preparing 9-(2-hydroxyethoxymethyl)-guanine. 4,826,981, 5-2-89, Cl. 544-276.000.
- Kobel, Hans; Sanglier, Jean-Jacques; Tscherter, Hans; and Bolliger, Georg, to Sandoz Ltd. Ergot cyclic peptide alkaloids having a venotonizing effect, useful for treating orthostatic hypotension. 4,804,660, 2-14-89, Cl. 514-250.000.
- Kober, Heinrich: *See—*
  - Gerum, Johannes; Kober, Heinrich; and Meckel, Walter, 4,869,965, Cl. 428-425.900.
- Kober, Jurgen: *See—*
  - Brandenstein, Manfred; and Kober, Jurgen, 4,878,885, Cl. 474-135.000.
- Kober, Karl E.; and Krolak, Lawrence J., to Mobil Oil Corporation. Automatic t-shirt rack/bag system. 4,830,317, 5-16-89, Cl. 248-97.000.
- Kober, Reiner: *See—*
  - Saupe, Thomas; Klebe, Gerhard; Schirmer, Ulrich; Paul, Gerhard; Kober, Reiner; Wuerzer, Bruno; Berghaus, Rainer; Meyer, Norbert; and Westphalen, Karl-Otto, 4,881,969, Cl. 71-94.000.
- Kober, Reinhard: *See—*
  - Hagens, Hajo; Kober, Reinhard; and Oberhausen, Wolfgang, 4,830,303, Cl. 242-67 10R.
- Koberstein, Edgar: *See—*
  - Baacke, Michael; Deller, Klaus; Kleinschmit, Peter; and Koberstein, Edgar, 4,861,937, Cl. 585-640.000.
  - Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,814,146, Cl. 422-179.000.
  - Brand, Reinhold; Engler, Bernd; Kleine-Moellhoff, Peter; and Koberstein, Edgar, 4,859,428, Cl. 422-179.000.
  - Domesle, Rainer; Engler, Bernd; Koberstein, Edgar; and Volker, Herbert, 4,828,807, Cl. 423-213.700.
- Kobiki, Yasuhiro: *See—*
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,804,047, Cl. 172-91.000.
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,805,704, Cl. 172-91.000.
- Kobilan, Errol D. Protective housing structure for underground devices. 4,872,575, 10-10-89, Cl. 220-3.300.
- Kobinata, Motochika, to AB Tetra Pak. Strip tape for a food product packaging container. 4,796,800, 1-10-89, Cl. 229-5.700.
- Kobinger, Walter: *See—*
  - Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.
  - Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.
  - Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, 4,871,735, Cl. 514-213.000.
- Kobirumaki, Ryo: *See—*
  - Oto, Ikuo; Hyakutake, Hayato; and Kobirumaki. Ryo, 4,886,730, Cl. 430-137.000.
- Kobishi Electric Co., Ltd.: *See—*
  - Iwata, Keisuke; and Kojima, Yoshikazu, 4,885,572, Cl. 340-425.500.
- Kobiyama, Hiroshi: *See—*
  - Osada, Masahiro; Tanuma, Toshihiko; Yoshida, Takashi; and Kobiyama, Hiroshi, 4,851,758, Cl. 322-63.000.
- Kobiyama, Mitsuyuki: *See—*
  - Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.
- Koble, Robert L., Jr. Evaporative cooler pump apparatus. 4,856,971, 8-15-89, Cl. 417-423.800.
- Koble, Roland: *See—*
  - Becker, Karl; Berger, Alfred; Iwansky, Joachim; Koble, Roland; and Back, Karl, 4,865,467, Cl. 384-273.000.
- Koblenzer, Heinz; Hosel, Peter; Staudinger, Franz; and Franke, Klaus, to LPW Reinigungstechnik GmbH; and Robert Bosch GmbH. Method of cleaning workpieces with a liquid solvent. 4,844,743, 7-4-89, Cl. 134-11.000.
- Kobler, Armin: *See—*
  - Schreiber, Max; and Kobler, Armin. 4,803,941, Cl. 112-83.000.
- Kobler, Ingo; and Hartung, Georg, to M.A.N. Roland Druckmaschinen AG. Printing machine inker system. 4,805,530, 2-21-89, Cl. 101-350.000.
- Kobler, Ingo; and Petersen, Godber, to MAN Roland Druckmaschinen AG. Paper handling apparatus for receiving adjacently positioned paper sheets, transporting and depositing the sheets, spread-apart, in a receiving system. 4,807,865, 2-28-89, Cl. 270-54.000.
- Kobler, Ingo, to Man - Roland Druckmaschinen AG. Printing cylinder sleeve application apparatus and method. 4,823,693, 4-25-89, Cl. 101-218.000.
- Kobler, Ingo; and Petersen, Godber, to MAN Roland Druckmaschinen AG. Transport system for paired sheet elements. 4,828,242, 5-9-89, Cl. 270-54.000.
- Kobler, Ingo, to M.A.N. Roland Druckmaschinen AG. Holding and tensioning system for a cover layer on a printing machine cylinder. 4,833,986, 5-30-89, Cl. 101-415.100.
- Kobler, Ingo; and Petersen, Godber, to MAN Roland Druckmaschinen AG. Apparatus for receiving and transporting folded sheets or sheet packages. 4,840,365, 6-20-89, Cl. 270-54.000.
- Kobler, Ingo, to M.A.N. Roland Druckmaschinen AG. Adjustable bearing arrangement for a printing machine cylinder. 4,856,425, 8-15-89, Cl. 101-212.000.
- Kobler, Robert J., to AMP Incorporated. Insert means for effective seal of electrical connector and method of assembly therefor. 4,795,372, 1-3-89, Cl. 439-607.000.
- Kobler, Robert J.; Laudig, Ronald C.; and Smith, Tracy L., to AMP Incorporated. Coaxial connector in a housing block. 4,846,711, 7-11-89, Cl. 439-63.000.
- Koblischek, Peter; and Nicklau, Rudolf, to Koblischek, Peter. Machine supports made from acrylic concrete. 4,826,127, 5-2-89, Cl. 248-679.000.
- Koblish, Theodore R.: *See—*
  - Mancini, Alfred A.; Sager, James W.; and Koblish, Theodore R., 4,798,330, Cl. 239-8.000.

- Kobliska, Robert J.; and Li, Eric K., to Akashic Memories Corporation. Protective layer for magnetic disk. 4,861,662, 8-29-89, Cl. 428-408.000.
- Kobold, Klaus. Flow monitor with non-rotatable mounting. 4,827,092, 5-2-89, Cl. 200-81.90M.
- Kobori, Hiromichi, to Kabushiki Kaisha Toshiba. Magnetooptic recording and erasing head which performs biasing, tracking and focusing. 4,868,802, 9-19-89, Cl. 369-13.000.
- Kobori, Keiichi: *See—*
  - Taniguchi, Yasuro; Sasaki, Ko; Ueki, Mitsuo; and Kobori, Keiichi, 4,830,930, Cl. 428-547.000.
- Kobori, Masao; Takita, Norio; and Fukushima, Hideaki, to Tokyo Electric Co., Ltd. Original reading apparatus. 4,835,619, 5-30-89, Cl. 358-294.000.
- Kobori, Masao; Takita, Norio; and Fukushima, Hideaki, to Tokyo Electric Co., Ltd. Recording medium feeding apparatus. 4,866,531, 9-12-89, Cl. 358-256.000.
- Kobori, Shigeyuki; Yamada, Kazuji; Kobayashi, Ryoichi; Miyazaki, Atsushi; and Suzuki, Seikou, to Hitachi, Ltd. Method for manufacturing semiconductor absolute pressure sensor units. 4,302,952, 2-7-89, Cl. 156-634.000.
- Kobori, Takuji; Kanayama, Hiroo; Sakamoto, Mitsuo; Yamada, Shunichi; and Kamagata, Shuichi, to Kajima Corporation. Method of controlling building against earthquake. 4,799,339, 1-24-89, Cl. 52-1.000.
- Kobori, Tomohiro: *See—*
  - Ohasi, Hiroyuki; Takami, Toru; Koyama, Noritoshi; Kogure, Yoshio; Ida, Katsumi; Iijima, Kazumi; and Kobori, Tomohiro, 4,840,970, Cl. 514-690.000.
- Kobori, Yasunori: *See—*
  - Kimura, Hiroyuki; Kobori, Yasunori; Hamma, Kentaro; Omata, Takashi; and Oki, Katsunori, 4,855,840, Cl. 358-296.000.
  - Shiraishi, Mikio; Gotoh, Toshihiko; Hamma, Kentaro; Kimura, Hiroyuki; Kobori, Yasunori; and Tomatsuri, Koichi, 4,844,770, Cl. 156-387.000.
- Kobori, Yasuo: *See—*
  - Yokoo, Hidejiro; Maruyama, Toshishiro; Toshima, Yasuhide; and Kobori, Yasuo, 4,842,640, Cl. 71-92.000.
- Kobos, Robert K.: *See—*
  - Eveleigh, John William d.; and Kobos, Robert K., 4,885,250, Cl. 435-181.000.
- Koboshi, Shigeharu; and Kurematsu, Masayuki, to Konishiroku Photo Industry Co., Ltd. Method of processing a silver halide photographic light-sensitive material. 4,797,352, 1-10-89, Cl. 430-421.000.
- Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kon, Masahiko, to Konishiroku Photo Industry Co., Ltd. Method of storing photographic processing solution in a package having specific oxygen permeability. 4,814,260, 3-21-89, Cl. 430-464.000.
- Koboshi, Shigeharu; Kuse, Satoru; Kurematsu, Masayuki; and Goto, Nobutaka, to Konica Corporation. Processing apparatus for disc films. 4,839,682, 6-13-89, Cl. 354-312.000.
- Koboshi, Shigeharu: *See—*
  - Ishikawa, Masao; Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kuse, Satoru, 4,797,351, Cl. 430-387.000.
  - Kobayashi, Kazuhiro; Koboshi, Shigeharu; Kuse, Satoru; and Ishikawa, Masao, 4,837,139, Cl. 430-542.000.
  - Kobayashi, Kazuhiro; Kurematsu, Masayuki; Koboshi, Shigeharu; Goto, Nobutaka; and Takabayashi, Naoki, 4,874,530, Cl. 210-718.000.
  - Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,845,015, Cl. 430-372.000.
  - Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,855,217, Cl. 430-372.000.
  - Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,859,575, Cl. 430-428.000.
  - Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,863,837, Cl. 430-372.000.
  - Kuse, Satoru; and Koboshi, Shigeharu, 4,828,970, Cl. 430-393.000.
- Kobow, Wolfgang: *See—*
  - Krieger, Karl, deceased; Reinelt, Werner; and Kobow, Wolfgang, 4,852,852, Cl. 251-78.000.
- Kobrehel, Gabrijela: *See—*
  - Djokic, Slobodan; Lopotar, Nevenka; Kobrehel, Gabrijela; Krnjevic, Hrvoje; and Carevic, Olga, 4,886,792, Cl. 514-183.000.
- Kobrinski, Haim, to Bell Communications Research, Inc. Cross-connection of wavelength-division-multiplexed high speed optical channels. 4,821,255, 4-11-89, Cl. 370-3.000.
- Kobrinski, Haim: *See—*
  - Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,834,483, Cl. 350-96.160.
  - Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,873,681, Cl. 370-3.000.
- Kobryn, Ronald J.; and Gaskins, Justin, to Hubbard, L. James; and Hubbard, Virginia M. Print hammer mechanism. 4,852,481, 8-1-89, Cl. 101-93.480.
- Koburger, Charles W., III: *See—*
  - Kerbaugh, Michael L.; Koburger, Charles W., III; Lasky, Jerome B.; Parries, Paul C.; and White, Francis R., 4,799,990, Cl. 156-636.000.
- Kobus, Paul, Jr., to Computerized Data Ssytems for Mfg., Inc. Software usage authorization system with key for decrypting/re-encrypting/re-transmitting moving target security codes from protected software. 4,864,494, 9-5-89, Cl. 364-200.000.
- Kobus, Robert C.; and West, Todd A. Boat seat. 4,843,999, 7-4-89, Cl. 114-363.000.
- Kobushi, Kazuhiro: *See—*
  - Kameyama, Shuichi; Komeda, Tadao; Kobushi, Kazuhiro; and Sakai, Hiroyuki, 4,839,302, Cl. 437-31.000.
- Kobylarz, Edward G.: *See—*
  - Blancato, Arthur J.; and Kobylarz, Edward G., 4,823,416, Cl. 4-255.000.
- Kobylarz, Lawrence P., to May & Scofield, Inc. Gear selector indicator adjustment mechanism. 4,821,593, 4-18-89, Cl. 74-475.000.
- Kocal, Joseph A., to UOP Inc. Motor fuel alkylation process utilizing a surfactant containing catalyst to reduce hydrofluoric acid requirements. 4,795,728, 1-3-89, Cl. 502-162.000.
- Kocal, Joseph A., to UOP. Motor fuel alkylation process utilizing a surfactant containing catalyst to reduce hydrofluoric acid requirements. 4,835,333, 5-30-89, Cl. 585-724.000.
- Kocal, Joseph A.: *See—*
  - Martindale, David C.; Kocal, Joseph A.; and Chao, Tai-Hsiang, 4,795,845, Cl. 585-415.000.
- Kocell, Stephen B.: *See—*
  - Pearl, David S., II; Webb, Louis H., III; and Kocell, Stephen B., 4,846,670, Cl. 431-346.000.
- Koch, Adolf, to Sport-Service-Lorinser Sportliche Autoausrustung GmbH. Multipart rim. 4,838,616, 6-13-89, Cl. 301-10.00R.
- Koch, Agnes E., legal representative: *See—*
  - Koch, Earl E., deceased; and Voler, Franja F., 4,815,262, Cl. 56-13.600.
  - Koch, Earl E., deceased; Voler, Franja F.; and Howell, Edmund O., 4,838,014, Cl. 56-13.600.
- Koch, Alfred: *See—*
  - Coppi, Bruno; Koch, Alfred; Lanzavecchia, Lorenzo; and Rauch, Jon, 4,851,180, Cl. 376-142.000.
- Koch, Alfred E.; and Koch, Robert C. Golf swing training device. 4,854,585, 8-8-89, Cl. 273-193.00B.
- Koch, Andreas; Lagadec, Roger; and Pelloni, Daniele, to Willi Studer, AG. Method and apparatus for converting an input scanning sequence into an output scanning sequence. 4,825,398, 4-25-89, Cl. 364-724.100.
- Koch, Charles J.: *See—*
  - Owades, Joseph L.; and Koch, Charles J., 4,837,034, Cl. 426-16.000.
- Koch, Claude V., to Paragon Electric Company, Inc. Split housing timer mechanism having separating cover with snap-lock fastener. 4,822,964, 4-18-89, Cl. 200-303.000.
- Koch, Daniel: *See—*
  - Nicolet, Richard; and Koch, Daniel, 4,890,111, Cl. 342-51.000.
- Koch, Debra J.: *See—*
  - Lippert, Mary E.; Enloe, Kenneth M.; Koch, Debra J.; Roessler, Thomas H.; and Pazdernik, Patrick A., 4,861,652, Cl. 428-284.000.
- Koch, Dietmar: *See—*
  - Stuecker, Erwin; Hofer, Gerhard; Koch, Dietmar; and Guenes, Uenal, 4,881,030, Cl. 324-209.000.
- Koch, Donald E.: *See—*
  - Gottesman, Jeffrey L.; Dempsky, Mark A.; Koch, Donald E.; and Rattan, Dev R., 4,878,048, Cl. 340-825.010.
- Koch, Donald G.: *See—*
  - Hayford, Michael J.; and Koch, Donald G., 4,854,688, Cl. 350-571.000.
- Koch, Earl E., deceased (by Koch, Agnes E., legal representative); and Voler, Franja F., to Ford New Holland, Inc. Disc cutterbar construction. 4,815,262, 3-28-89, Cl. 56-13.600.
- Koch, Earl E., deceased (by Koch, Agnes E., legal representative); Voler, Franja F.; and Howell, Edmund O., to Ford New Holland, Inc. Disc cutter rotor assembly. 4,838,014, 6-13-89, Cl. 56-13.600.
- Koch, Eckhard M.: *See—*
  - Betz, Walter; Koch, Eckhard M.; Plachetta, Christoph; Blinne, Gerd; and Hahn, Karl, 4,866,115, Cl. 524-135.000.
- Koch Engineering Company, Inc.: *See—*
  - Berven, O. Jeffrey; and Meyer, James M., 4,816,191, Cl. 261-97.000.
- Koch, Erich: *See—*
  - Schubert, Klaus; Schmidt, Werner; Watzek, Gerhard; Koch, Erich; John, Herbert; and Kraus, Wolfgang, 4,813,736, Cl. 296-190.000.
- Koch, Frank J., to Beamish, Linda Koch. Spring wire fastener and method of using same. 4,859,127, 8-22-89, Cl. 411-16.000.
- Koch, Franz P.: *See—*
  - Chehab, Firdausia; and Koch, Franz P., 4,888,977, Cl. 73-38.000.
- Koch, Frederick W.; Evans, Gail A.; Dorer, Casper J., Jr.; and Del Paggio, Alan A., to Lubrizol Corporation, The. Metal complexes of mannich bases with a schiff base. 4,816,038, 3-28-89, Cl. 44-68.000.
- Koch, Friedrich: *See—*
  - Budde, Klaus; Koch, Friedrich; and Quella, Ferdinand, 4,876,322, Cl. 526-242.000.
- Koch, Friedrich-Otto: *See—*
  - Grosse, Heinz; Koch, Friedrich-Otto; Peeck, Adolf; and Wernemann, Werner, 4,823,847, Cl. 138-143.000.
- Koch, Gerhard; and Holzle, Roland, to Kaefele, KG. Hinge, in particular for furniture. 4,817,241, 4-4-89, Cl. 16-238.000.
- Koch, Heinz: *See—*
  - Alt, Claus-Christian; Gobel, Rudolf; Koch, Heinz; Niechoj, Wolfgang; Grossmann, Theodor; and Deffner, Felix, 4,877,258, Cl. 277-212.0FB.
- Koch, Helmut: *See—*
  - Krause, Hans; Ross, Rudi; and Koch, Helmut, 4,872,769, Cl. 384-226.000.
- Koch, Herbert: *See—*
  - Leiter, Herbert; Koch, Herbert; Hund, Andreas; and Reinheimer, Guenter, 4,837,595, Cl. 354-412.000.

- Koch, Herbert A., to Ciba-Geigy Corporation. Detection of fungi and/or algae with stilbene having at least 4 sulpho groups. 4,820,637, 4-11-89, Cl. 435-29.000.
- Koch, Horst; Bach, Helmut; and Jaeckel, Klaus-Peter, to BASF Aktiengesellschaft. Coating plate cylinders or sleeves with a continuous photosensitive recording layer. 4,869,997, 9-26-89, Cl. 430-300.000.
- Koch, Horst; and Ziegler, Walter, to BASF Aktiengesellschaft. Light sensitive recording element having a photopolymerizable relief-forming layer containing an ethylene terpolymer. 4,877,715, 10-31-89, Cl. 430-271.000.
- Koch, Horst: *See—*
  - Hoffmann, Gerhard; Koch, Horst; and Schulz, Guenther, 4,849,307, Cl. 430-271.000.
- Koch Industries, Inc.: *See—*
  - King, Jerry, 4,849,400, Cl. 512-2.000.
- Koch, James K.: *See—*
  - Mackanic, James C.; Lelko, Dawn M.; Shugart, Steven A.; and Koch, James K., 4,881,906, Cl. 439-83.000.
- Koch, Jochim; and Franz, Wolfgang, to Dragerwerk Aktiengesellschaft. Radiation arrangement. 4,832,029, 5-23-89, Cl. 128-376.000.
- Koch, Jochim, to Dragerwerk Aktiengesellschaft. Method and apparatus for enriching respiratory gas with oxygen and delivering it to a patient. 4,844,059, 7-4-89, Cl. 128-205.120.
- Koch, Jochim; Geier, Michael; and Franz, Wolfgang, to Dragerwerk Aktiengesellschaft. Incubator for infants. 4,846,783, 7-11-89, Cl. 600-22.000.
- Koch, Juergen: *See—*
  - Eggersdorfer, Manfred; Henkelmann, Jochem; Heinz, Gerhard; and Koch, Juergen, 4,835,242, Cl. 528-125.000.
  - Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; and Henkelmann, Jochem, 4,837,296, Cl. 528-125.000.
  - Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; Henkelmann, Jochem; Muenstedt, Helmut; and Ittemann, Peter, 4,867,912, Cl. 528-125.000.
- Koch, Karl C.; Petronio, Carlo F.; and Einolf, Charles W., Jr., to Westinghouse Electric Corp. Fiber optic receiver. 4,817,208, 3-28-89, Cl. 455-619.000.
- Koch, Karl-Heinz; Meininghaus, Fritz; Kopineck, Hermann J.; and Tappe, Wilhelm, to Hoechst Stahl Aktiengesellschaft. Spectral analysis device on a converter. 4,818,106, 4-4-89, Cl. 356-318.000.
- Koch, Klaus; and Klemm, Manfred, to Herman Berstorff Maschinenbau GmbH. Apparatus for the uniform and rapid heating of foodstuffs. 4,839,485, 6-13-89, Cl. 219-10.55A.
- Koch, Klaus P.: *See—*
  - Breyer, Karl-Hermann; and Koch, Klaus P., 4,825,091, Cl. 250-560.000.
- Koch, Lehel: *See—*
  - Kenyeres, Istvan; and Koch, Lehel, 4,840,751, Cl. 261-36.100.
- Koch Materials Company: *See—*
  - Kirchner, James R.; Meyer, Dennis A.; and Kluck, Arlen L., 4,828,429, Cl. 404-111.000.
- Koch, Max, to Komax AG. Transport system for electrical cables. 4,858,311, 8-22-89, Cl. 29-857.000.
- Koch Membrane Systems, Inc.: *See—*
  - Mir, Leon, 4,849,106, Cl. 210-490.000.
- Koch, Otto: *See—*
  - Seiter, Wolfgang; and Koch, Otto, 4,849,125, Cl. 252-109.000.
- Koch, Paul H. Fiber optic christmas tree. 4,878,157, 10-31-89, Cl. 362-123.000.
- Koch, Rainer, to Lingl GmbH & Co. KG. Method and apparatus for cutting columnar articles. 4,803,905, 2-14-89, Cl. 83-13.000.
- Koch, Robert, to Hubner Gummi- und Kunststoff GmbH. Airport passenger ramp. 4,817,223, 4-4-89, Cl. 14-71.100.
- Koch, Robert C.: *See—*
  - Koch, Alfred E.; and Koch, Robert C., 4,854,585, Cl. 273-193.00B.
- Koch, Robert J.: *See—*
  - Mackin, Michael H.; and Koch, Robert J., 4,809,677, Cl. 600-22.000.
- Koch, Roger. Method and apparatus for linear braking and chair with linear brake. 4,842,234, 6-27-89, Cl. 248-429.000.
- Koch, Ronald J.: *See—*
  - Gruber, Robert J.; Knapp, John F.; Koch, Ronald J.; and Floyd, Lawrence, Jr., 4,837,101, Cl. 430-109.000.
- Koch, Rudolf, to Siemens Aktiengesellschaft. Switched Current source. 4,841,222, 6-20-89, Cl. 323-311.000.
- Koch, Rudolf: *See—*
  - Frey, Otto; and Koch, Rudolf, 4,883,492, Cl. 623-23.000.
  - Stuhmer, Karl-Gerhart; Frey, Otto; and Koch, Rudolf, 4,795,466, Cl. 623-13.000.
- Koch, Russell W.; and Snyder, Douglas D., to Firestone Tire & Rubber Company, The. Tire repair by "patch only" method. 4,798,640, 1-17-89, Cl. 156-95.000.
- Koch Supplies, Inc.: *See—*
  - Lockard, Thomas A., 4,837,896, Cl. 17-35.000.
- Koch, Ulf: *See—*
  - Volk, Heinrich; and Koch, Ulf, 4,802,409, Cl. 101-111.000.
- Koch, Vernon F.; Fahnlander, John G.; and Wanninger, Lester A., to National Computer Systems, Inc. Overprint registration system for printing a customized survey form and scannable form therefor. 4,857,715, 8-15-89, Cl. 235-456.000.
- Koch, Volker; Fuss, Andreas; Bonin, Werner; Knauf, Werner; and Waltersdorfer, Anna, to Hoechst Aktiengesellschaft. Pyridine derivatives, agents containing same, and the use thereof as pesticides. 4,855,309, 8-8-89, Cl. 514-346.000.
- Koch, Werner, to Bruckner Apparatebau GmbH. Method and apparatus for the treatment of continuously moving tubular fabric in the wet state. 4,835,992, 6-6-89, Cl. 68-13.00R.
- Koch, Werner; and Schuierer, Manfred, to Bruckner Apparatebau GmbH. Method for wet processing of tubular textile material. 4,843,669, 7-4-89, Cl. 8-151.000.
- Koch, Werner, to Sandoz, Ltd. Disazo compounds having two 4,8 Disulfonaphthyl-2 diazo component radicals and two triazine 1,3,5 triazine rings linked by a piperazinylene radical. 4,866,163, 9-12-89, Cl. 534-634.000.
- Koch, Werner: *See—*
  - Schuierer, Manfred; and Koch, Werner, 4,799,367, Cl. 68-13.00R.
- Koch, Wilhelm: *See—*
  - Held-Elbert, Gabriele; Kaiser, Wolfgang; Koch, Wilhelm; and Schmutzler, Werner, 4,839,920, Cl. 379-377.000.
- Koch, William F.: *See—*
  - Bachmann, Lothar; and Koch, William F., 4,821,507, Cl. 60-39.182.
  - Bachmann, Lothar; and Koch, William F., 4,823,836, Cl. 137-601.000.
- Koch, William R.: *See—*
  - Wang, Shoou-I; and Koch, William R., 4,869,894, Cl. 423-650.000.
- Koch, Wolfgang: *See—*
  - Schwirtlich, Ingo; Woditsch, Peter; and Koch, Wolfgang, 4,877,596, Cl. 423-348.000.
- Kochan, Branislav R. Telephone receiver adaptor. 4,827,506, 5-2-89, Cl. 379-433.000.
- Kochanek, Wolfgang: *See—*
  - Schlaefer, Dieter; Kochanek, Wolfgang; and Leutner, Bernd, 4,837,002, Cl. 423-641.000.
- Kochanowsky, Eugene W.: *See—*
  - McBride, William B.; Wilson, William R., Jr.; Tomlinson, John C.; McCarthy, John A.; Kochanowsky, Eugene W.; Hendricks, Jefferson D.; and Houle, Arthur J., 4,857,921, Cl. 340-912.000.
- Kochendorfer, Heinrich: *See—*
  - Burger, Karl-Heinz; Collmer, Rosemarie; Fimpel, Walter; Gieseler, Klaus; Kochendorfer, Heinrich; and Steegmuller, Helmut, 4,815,584, Cl. 198-463.300.
- Kocher & Beck OHG Gravieranstalt und Rotationsstanzenbau: *See—*
  - Doslik, Peter; and Sommer, Werner, 4,848,190, Cl. 76-4.000.
- Kocher, Erich J., to Vilter Manufacturing Corporation. Valve body comprising sheet metal hemispheres and method for making same. 4,801,125, 1-31-89, Cl. 251-367.000.
- Kocher, Erich J., to Vilter Manufacturing Corporation. Liquid level control for refrigeration system. 4,865,073, 9-12-89, Cl. 137-412.000.
- Kocher, Mark J.: *See—*
  - Cieri, Joseph J.; Kocher, Mark J.; Gareis, Ronald E.; Holet, Kenneth M.; and Tuso, Michael J., 4,872,136, Cl. 364-900.000.
- Kochert, Wilfried; and Langfeldt, Folkhart, to Computergesellschaft Konstanz. Method and circuit arrangement for editing slanting characters, particularly handwritten characters. 4,845,768, 7-4-89, Cl. 382-46.000.
- Kochi, Hiromi; Fukunaga, Kenji; Itagaki, Takaharu; and Ito, Tsuyoshi, to Mitsubishi Kasei Corporation; and MANAC Incorporated. Method for rendering a flammable polymer material flame-resistant. 4,857,576, 8-15-89, Cl. 524-409.000.
- Kochi, Hiromu: *See—*
  - Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,804,752, Cl. 540-227.000.
  - Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,871,860, Cl. 548-195.000.
  - Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,877,873, Cl. 544-227.000.
- Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, to Hitachi Ltd.; and Hitachi Video Engineering, Inc. Rotary magnetic head cylinder device for suppressing vibrations ofa magnetic tape. 4,833,562, 5-23-89, Cl. 360-130.240.
- Kochi, Masanori: *See—*
  - Ibe, Makoto; and Kochi, Masanori, 4,823,218, Cl. 360-104.000.
- Kochi, Mutsuyuki: *See—*
  - Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
- Kochi, Tadashi; and Sakamoto, Naotaka, to Stanley Electric Co., Ltd. Replaceable headlamp assembly. 4,819,133, 4-4-89, Cl. 362-61.000.
- Kochi, Tetsuya: *See—*
  - Maekawa, Tohru; Ueda, Satoshi; Takigawa, Hiroshi; Kochi, Tetsuya; and Goto, Junjiro, 4,795,907, Cl. 250-352.000.
- Kochi, Yasuhisa, to Mazda Motor Corporation. Open-top vehicle body. 4,838,604, 6-13-89, Cl. 296-180.500.
- Kochiev, Valery K.: *See—*
  - Ksovreli, Robinzon I.; Didebulidze, Alexandr K.; Kochiev, Valery K.; and Gasseev, Amiran F., 4,885,487, Cl. 310-36.000.
- Kochilla, Richard J.; and Esterle, Otto J., to Corrpro Companies, Inc. Cathodic protection system. 4,798,657, 1-17-89, Cl. 204-147.000.
- Kochinke, Frank: *See—*
  - Baker, Richard W.; Kochinke, Frank; and Huang, Carl, 4,839,174, Cl. 424-447.000.
- Kochiwa, Kenichi: *See—*
  - Mitsuyasu, Kiyoshi; Kanda, Motoya; Takeno, Kazuta; and Kochiwa, Kenichi, 4,849,312, Cl. 429-217.000.
- Kochmann, Heike; Lechner, Georg; Muller, Jurgen; and Scholz, Norbert, to Agfa-Gevaert Aktiengesellschaft. Device for producing

- photographic exposure of images appearing on the screen. 4,872,030, 10-3-89, Cl. 354-76.000.
- Kochs Adler Aktiengesellschaft: *See—*
  - Fischer, Jochen, 4,817,543, Cl. 112-121.120.
  - Lohe, Rainer, 4,829,922, Cl. 112-310.000.
  - Scholl, Hans; and Schulze, Wolfram, 4,869,185, Cl. 112-147.000.
  - Upmeier, Egon; and Fischer, Jochen, 4,809,627, Cl. 112-121.120.
  - Vogt, Siegfried; Upmeier, Egon; and Schulze, Wolfram, 4,813,362, Cl. 112-121.120.
- Kochte, Werner W.: *See—*
  - Bryant, David R.; Kochte, Werner W.; and Trombly, Edward E., 4,846,024, Cl. 81-3.090.
- Kochy, Fritz; Neumann, Bernhard; and Horn, Rolf. Rear seat for motor vehicles. 4,889,386, 12-26-89, Cl. 297-359.000.
- Koci, Wayne G.: *See—*
  - Lesniak, John M.; Boardman, Franklin; Koci, Wayne G.; and McCann, James E., 4,826,880, Cl. 521-53.000.
- Koci, Zdenek, to Ciba-Geigy Corporation. Vat dye and sulfur dye compositions. 4,886,549, 12-12-89, Cl. 106-19.000.
- Kocide Chemical Corporation: *See—*
  - Brinkman, Norman C., 4,808,406, Cl. 424-140.000.
- Kocjancic, Bogdan: *See—*
  - Hohmann, Wolfgang; Schopf, Peter-Michael; Gerkhardt, Klaus; and Kocjancic, Bogdan, 4,824,366, Cl. 433-32.000.
- Kock, Hans-Jakob; Winkler, Ekhard; Baur, Richard; Finkelmann, Heino; and Schafheutle, Markus, to BASF Aktiengesellschaft. Amphiphilic 4-alkoxypolyethoxybenzoates, their preparation and their use. 4,801,734, 1-31-89, Cl. 560-73.000.
- Kock, Hans-Jakob, to BASF Aktiengesellschaft. Wholly aromatic liquid-crystalline polycondensates. 4,831,103, 5-16-89, Cl. 528-176.000.
- Kock, Hans-Jakob; Hisgen, Bernd; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, to BASF Aktiengesellschaft. Wholly aromatic thermotropic polyesters. 4,861,858, 8-29-89, Cl. 528-193.000.
- Kock, Hans-Jakob: *See—*
  - Hisgen, Bernd; Kock, Hans-Jakob; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,801,676, Cl. 528-170.000.
  - Hisgen, Bernd; and Kock, Hans-Jakob, 4,816,555, Cl. 528-176.000.
- Kock, Ronald W.: *See—*
  - Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gosselin, Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, 4,885,182, Cl. 426-482.000.
- Kock, Werner: *See—*
  - Fischer, Karl; Kock, Werner; and Tuider, Wolfgang, 4,858,051, Cl. 360-137.000.
- Kock, Wulf; and Laboureur, Michael, to Dornier System GmbH. Apparatus for making noble metal/non-noble metal composite powder. 4,804,167, 2-14-89, Cl. 266-200.000.
- Kock, Wulf; and Wagner, Wolfgang, to Dornier System GmbH. Preparation of a suspension in preparation of powder making. 4,824,600, 4-25-89, Cl. 252-313.100.
- Kocks Technik GmbH & Co.: *See—*
  - Holthoff, Helmut, 4,827,751, Cl. 72-236.000.
  - Holthoff, Helmut; and Moltner, Hermann, 4,879,924, Cl. 74-799.000.
  - Moltner, Hermann; and Holthoff, Helmut, 4,848,185, Cl. 74-674.000.
  - Staat, Karlhans; and Moltner, Hermann, 4,798,071, Cl. 72-97.000.
  - Staat, Karlhans; and Moltner, Hermann, 4,827,749, Cl. 72-96.000.
- Kocot, Joseph R.: *See—*
  - Hubbard, David W.; and Kocot, Joseph R., 4,848,492, Cl. 177-210.0FP.
- Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, to Kozponti Banyaszati Fejlesztesi Intezet; and Heves Megyei Tanacsi Epitoipari Vallalat. Actuating device for pipe-chamber feeders of hydraulic transport equipment. 4,865,492, 9-12-89, Cl. 406-109.000.
- Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, to Heves Megyei Tanacsi Epitoipari Vallalat; and Kozponyi Banyaszati Fejlesztesi Intezet, a part interest. Actuating device for pipe-chamber feeders of hydraulic transport equipments. 4,869,460, 9-26-89, Cl. 251-62.000.
- Kocsis nee Bagyi, Maria: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
- Kocurek, Gary G.: *See—*
  - Chandler, Mark A.; Goggin, David J.; Horne, Patrick J.; Kocurek, Gary G.; and Lake, Larry W., 4,864,845, Cl. 73-38.000.
- Koczab, Jean P. Absorbent pad, particularly for articles of hygiene. 4,826,498, 5-2-89, Cl. 604-383.000.
- Koczak, Michael J.; and Kumar, K. Sharvan, to Drexel University. In situ process for producing a composite containing refractory material 4,808,372, 2-28-89, Cl. 420-457.000.
- Koczak, Michael J.: *See—*
  - Frazier, William E.; and Koczak, Michael J., 4,834,942, Cl. 420-552.000.
- Koda, Akio: *See—*
  - Shibanuma, Tadao; Nakano, Kohji; Nagano, Noriaki; Murakami, Yukiyasu; Hara, Ryuichiro; Koda, Akio; and Yamazaki, Atsuki, 4,845,211, Cl. 540-224.000.
- Koda, Nubuo J.: *See—*
  - Grinberg, Jan; Koda, Nubuo J.; Reif, Philip G.; Bleha, William P.; Welkowsky, Murray S.; and Ledebuhr, Arno G., 4,826,293, Cl. 350-331.00R.
- Koda, Toyomasa: *See—*
  - Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.
- Koda, Walter; Meyerhoefer, Carl; Miller, David C.; Pendleton, Thomas J.; and Smith, Maria-Teresa, to Mobil Oil Corporation. Step-on wastebasket. 4,865,214, 9-12-89, Cl. 220-263.000.
- Koda, Walter: *See—*
  - Berliner, William; and Koda, Walter, 4,854,911, Cl. 446-376.000.
- Kodachi, Hideo: *See—*
  - Hashimoto, Hitoshi; Fujita, Tsutomu; Ryukawa, Eiji; and Kodachi, Hideo, 4,819,311, Cl. 29-40.000.
- Kodachi, Toru; and Usami, Jun, to NGK Insulators, Ltd. Oxygen analyzer. 4,857,164, 8-15-89, Cl. 204-406.000.
- Kodachi, Toru; and Usami, Jun, to NGK Insulators, Ltd. Oxygen concentration measuring device. 4,875,990, 10-24-89, Cl. 204-408.000.
- Kodachi, Toru: *See—*
  - Usami, Jun; and Kodachi, Toru, 4,851,103, Cl. 204-406.000.
- Kodachi, Yasutomo: *See—*
  - Higuchi, Shigetaka; Noguchi, Isao; Kurita, Shuji; and Kodachi, Yasutomo, 4,819,322, Cl. 29-605.000.
- Kodai, Shiyojiro: *See—*
  - Ohashi, Masato; and Kodai, Shiyojiro, 4,879,153, Cl. 428-76.000.
- Kodai, Shiyoojiro: *See—*
  - Ohashi, Masato; and Kodai, Shiyoojiro, 4,889,749, Cl. 428-13.000.
- Kodaira, Kazuhiko: *See—*
  - Noishiki, Yasuharu; Kodaira, Kazuhiko; Furuse, Masayasu; and Miyata, Teruo, 4,806,595, Cl. 525-54.200.
- Kodaira, Mitsuhiko; and Shiraga, Tokio, to Hitachi, Ltd. Address translation apparatus. 4,835,734, 5-30-89, Cl. 364-900.000.
- Kodaira, Takanori: *See—*
  - Miyawaki, Makoto; Ogawa, Yukio; Kodaira, Takanori; and Hirohata, Michio, 4,811,060, Cl. 350-255.000.
- Kodaka, Kazuyuki; Kitamura, Mitsuo; and Motegi, Mitsuhiro, to Fujitsu Limited. Method and tank for storing a submarine optical cable. 4,871,121, 10-3-89, Cl. 242-54.00R.
- Kodaka, Kenji: *See—*
  - Kiyoshi, Nakatani; Numata, Satoshi; Kodaka, Kenji; Oda, Kengo; Shiraishi, Shiro; and Udagawa, Takatoshi, 4,814,340, Cl. 514-345.000.
- Kodama, Akinori; and Takahashi, Takeshi, to Showa Denko Kabushiki Kaisha. Scored container top. 4,877,149, 10-31-89, Cl. 220-267.000.
- Kodama, Atsuki: *See—*
  - Kitamura, Tadanori; Shono, Hiroaki; and Kodama, Atsuki, 4,855,122, Cl. 423-447.100.
- Kodama, Eiji: *See—*
  - Onishi, Hiroyuki; Sano, Tetsuo; Hoki, Tetsuo; Kodama, Eiji; Tsujinaka, Hisayuki; and Kitakado, Ryuji, 4,803,734, Cl. 382-8.000.
  - Sano, Tetsuo; Hohki, Tetsuo; Kodama, Eiji; Yoshida, Takumi; Kawatani, Masafumi; and Tsujinaka, Hisayuki, 4,799,175, Cl. 364-552.000.
- Kodama, Fumio: *See—*
  - Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, 4,798,758, Cl. 428-213.000.
- Kodama, Hiroyuki; Mangyo, Katsumi; and Ichimura, Takeo, to Nikon Corporation. Optical light weight glass. 4,812,423, 3-14-89, Cl. 501-55.000.
- Kodama, Hisashi: *See—*
  - Okabe, Yoshio; Arai, Fumio; and Kodama, Hisashi, 4,798,180, Cl. 123-90.580.
- Kodama, Kazumasa: *See—*
  - Eto, Kunihiko; Takeuchi, Shiro; Mori, Yutaka; Tanooka, Shigeo; Kodama, Kazumasa; and Matsumoto, Tsutomu, 4,858,134, Cl. 364-424.050.
- Kodama, Kazuo: *See—*
  - Takahashi, Kazutomo; Kodama, Kazuo; and Saotome, Minoru, 4,806,577, Cl. 523-445.000.
- Kodama, Masao: *See—*
  - Morita, Izuru; Kajitani, Masayoshi; Kodama, Masao; and Takano, Masanobu, 4,866,932, Cl. 60-288.000.
- Kodama, Minekazu: *See—*
  - Hani, Kiyoshi; Takei, Takako; Kodama, Minekazu; and Watanabe, Takahiko, 4,885,058, Cl. 162-145.000.
- Kodama, Mitsuhiro: *See—*
  - Fuyama, Seiji; Mori, Tokio; Kodama, Mitsuhiro; Minato, Takashi; and Takaoka, Yasuhiro, 4,843,547, Cl. 364-405.000.
  - Takemae, Shigeru; and Kodama, Mitsuhiro, 4,837,903, Cl. 28-254.000.
- Kodama, Naoki: *See—*
  - Sato, Toshihiro; Toyooka, Takashi; Kodama, Naoki; Takeuchi, Teruaki; Takeshita, Masatoshi; and Suzuki, Ryo, 4,837,741, Cl. 365-12.000.
- Kodama, Nobumi: *See—*
  - Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Hori, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, 4,807,193, Cl. 365-205.000.
- Kodama, Satoru: *See—*
  - Asahina, Takashi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; Kodama, Satoru; and Tsujimoto, Masaharu, 4,870,896, Cl. 99-348.000.
- Kodama, Seiki; Murase, Shigenobu; Matsuo, Haruyuki; Maruhashi, Hideki; Murata, Shigemi; and Miyaji, Hidetoshi, to Mitsubishi Denki Kabushiki Kaisha. Distributor for internal combustion engine. 4,852,541, 8-1-89, Cl. 123-617.000.
- Kodama, Seiki; and Murata, Shigemi, to Mitsubishi Denki Kabushiki Kaisha. Signal generating rotor of a distributor for an internal combustion engine and a method of producing the same. 4,887,572, 12-19-89, Cl. 123-414.000.
- Kodama, Shinya: *See—*
  - Ishida, Kyoso; and Kodama, Shinya, 4,876,876, Cl. 72-348.000.
- Kodama, Taketomo: *See—*
  - Iida, Giichi; and Kodama, Taketomo, 4,884,535, Cl. 123-179.00P.
- Kodama, Toshikazu; and Sato, Koji, to Kabushiki Kaisha Toshiba. Surface acoustic wave transducer. 4,866,325, 9-12-89, Cl. 310-313.00B.
- Kodama, Tuneo: *See—*
  - Kurisu, Toru; and Kodama, Tuneo, 4,878,462, Cl. 123-90.170.
- Kodama, Yasumasa: *See—*
  - Sasaki, Takayuki; Ueno, Katsuhiko; Ichimura, Eiichi; and Kodama, Yasumasa, 4,816,928, Cl. 360-35.100.
- Kodama, Yoshihiro: *See—*
  - Maeda, Masao; and Kodama, Yoshihiro, 4,847,010, Cl. 530-216.000.
- Kodama, Yukinori; Mochizuki, Hirohiko; Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, to Fujitsu Limited; and Fujitsu VLSI Limited. Semiconductor memory device having a CMOS sense amplifier. 4,799,197, 1-17-89, Cl. 365-205.000.
- Kodama, Yukinori: *See—*
  - Nakano, Masao; Mochizuki, Hirohiko; Ohira, Tsuyoshi; Kodama, Yukinori; and Nomura, Hidenori, 4,807,192, Cl. 365-193.000.
  - Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,821,232, Cl. 365-189.000.
  - Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,870,617, Cl. 365-190.000.
- Kodama, Yukio: *See—*
  - Takahashi, Mitsuo; Oyama, Fusami; and Kodama, Yukio, 4,805,721, Cl. 180-248.000.
  - Yoshioka, Hajime; Kodama, Yukio; Shigemura, Sadato; Funada, Tohru; and Morimoto, Satoshi, 4,855,019, Cl. 204-16.000.
- Kodama, Yutaka; and Hirasawa, Junichi, to Ricoh Co., Ltd. Ozone removing device. 4,853,735, 8-1-89, Cl. 355-215.000.
- Kodama, Yutaka: *See—*
  - Hirasawa, Junichi; Kodama, Yutaka; Komada, Kenya; and Adachi, Takefumi, 4,866,482, Cl. 355-260.000.
  - Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimura, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, 4,887,133, Cl. 355-321.000.
- Kodani, Masateru: *See—*
  - Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,808,416, Cl. 424-497.000.
  - Ueda, Yoshio; Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,871,549, Cl. 424-494.000.
- Kodato, Setsuo, to Anritsu Corporation. Thin film conductor which contains silicon and germanium as major components and method of manufacturing the same. 4,835,059, 5-30-89, Cl. 428-432.000.
- Kodato, Shinichi: *See—*
  - Takamura, Norio; Oda, Kuniyuki; Kodato, Shinichi; Yamaguchi, Isao; and Yano, Koji, 4,853,404, Cl. 514-406.000.
- Koden, Mitsuhiro; Tanaka, Hirohisa; and Yano, Kohzo, to Sharp Kabushiki Kaisha. Thin film transistor. 4,843,438, 6-27-89, Cl. 357-04.000.
- Koden, Mitsuhiro, to Sharp Kabushiki Kaisha. Liquid-crystal display device. 4,857,907, 8-15-89, Cl. 340-784.000.
- Koden, Mitsuhiro, to Sharp Kabushiki Kaisha. Thin-film transistor. 4,862,234, 8-29-89, Cl. 357-23.700.
- Kodera, Hiroji, to Kabushiki Kaisha Kodera Denshi Seisakusho. Automatic wire decorticating and cutting method and apparatus. 4,802,512, 2-7-89, Cl. 140-149.000.
- Kodera, Hiroji, to Kabushiki Kaisha Kodera Denshi Seisakusho. Automatic wire cutting and stripping method and apparatus. 4,827,592, 5-9-89, Cl. 29-426.400.
- Kodera, Kimio: *See—*
  - Kasai, Kikuo; Kodera, Kimio; and Maki, Mitsuo, 4,798,310, Cl. 221-87.000.
- Kodo, Toshikazu; and Tanaka, Shinichi, to Matsushita Electric Industrial Co., Ltd. Disk-type storage medium recording/reproducing apparatus. 4,875,202, 10-17-89, Cl. 369-32.000.
- Kodric, Andrej A. Wind turbine. 4,818,181, 4-4-89, Cl. 416-196.00A.
- Koe, Shigeki: *See—*
  - Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.
- Koebernick, Hubert: *See—*
  - Lebuhn, Rolf; Feldmann, John; and Koebernick, Hubert, 4,797,478, Cl. 536-18.500.
- Koechner, Walter, to Fibertek, Inc. Contactless current probe based on electron tunneling. 4,870,352, 9-26-89, Cl. 324-158.00D.
- Koegel, Keith S.: *See—*
  - Fleak, David S.; Koegel, Keith S.; Long, William B.; Moist, Stanford C., Jr.; and Nauman, Warren D., 4,875,877, Cl. 439-497.000.
- Koegel, Robert J.; and Rabins, Leonard, to Honeywell Bull Inc. Apparatus for controlling system accesses having multiple command level conditional rotational multiple port servicing priority hierarchy. 4,821,177, 4-11-89, Cl. 364-200.000.
- Koegl, Rudolph A. A.: *See—*
  - Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
- Koehler, Andreas M., to President and Fellows of Harvard College. Beam redirecting. 4,812,658, 3-14-89, Cl. 250-396.00R.
- Koehler, Charles W.; and VanOmmering, Gerrit, to Ford Aerospace & Communications Corporation. Heat conducting sleeve. 4,828,022, 5-9-89, Cl. 165-185.000.
- Koehler, Clarence. Color match predictability system and method. 4,887,906, 12-19-89, Cl. 356-402.000.
- Koehler, Elmer: *See—*
  - McGurk-Burleson, Erin; Koehler, Elmer; and Packham, Victor, 4,811,734, Cl. 128-305.000.
  - McGurk-Burleson, Erin; Koehler, Elmer; and Packham, Victor S., 4,850,354, Cl. 128-305.000.
  - McGurk-Burleson, Erin; Koehler, Elmer; Packham, Victor; Thimsen, James A.; Whipple, Terry L.; and Caspari, Richard B., 4,867,157, Cl. 128-305.000.
- Koehler, Georg, to Siemens Aktiengesellschaft. Shock wave generator for an apparatus for non-contacting disintegration of calculi in the body of a life form. 4,796,608, 1-10-89, Cl. 128-24.00A.
- Koehler, Gerald C.: *See—*
  - Rigazio, Anthony W.; and Koehler, Gerald C., 4,857,758, Cl. 307-140.000.
- Koehler, Hermann; Dockner, Toni; and Karn, Helmut, to BASF Aktiengesellschaft. Preparation of 1-alkylimidazoles. 4,864,030, 9-5-89, Cl. 548-343.000.
- Koehler, Hermann: *See—*
  - Dockner, Toni; Kempe, Uwe; and Koehler, Hermann, 4,803,283, Cl. 548-339.000.
- Koehler, Joseph P. Reflector for dental or medical light. 4,837,668, 6-6-89, Cl. 362-297.000.
- Koehler, Juergen, to Konvekta, GmbH. Heat exchanger apparatus having heat exchanger pipes and sheetmetal plates. 4,836,277, 6-6-89, Cl. 165-151.000.
- Koehler, Paul C., to Pall Corporation. Seamless porous metal article and method of making. 4,822,692, 4-18-89, Cl. 428-547.000.
- Koehler, Paul C., to Pall Corporation. Seamless porous metal article and method of making. 4,828,930, 5-9-89, Cl. 428-547.000.
- Koehler, Philip G.; Kramer, Richard; and Patterson, Richard S., to University of Florida. Cockroach growth regulating composition and method. 4,857,532, 8-15-89, Cl. 514-262.000.
- Koehler, Richard F.: *See—*
  - Hsieh, Bing R.; Gruber, Robert J.; and Koehler, Richard F., 4,851,318, Cl. 430-137.000.
- Koehly, Gerad; Madic, Charles; and Saulze, Jean-Louis, to Commissariat a l'Energie Atomique. Process for eliminating the chloride ions present in contaminated solid wastes, such as incineration ashes contaminated by actinides. 4,869,794, 9-26-89, Cl. 204-130.000.
- Koehly, Gerard: *See—*
  - Kertesz, Claude; Koehly, Gerard; Josso, Frank; and Bernard, Andre , 4,839,102, Cl. 252-628.000.
- Koehn, Terry J., to Ideal Industries, Inc. Crimp tool. 4,829,805, 5-16-89, Cl. 72-410.000.
- Koehnke, Gregory H.: *See—*
  - Koehnke, Raechelle K.; and Koehnke, Gregory H., 4,807,613, Cl. 128-155.000.
- Koehnke, Raechelle K.; and Koehnke, Gregory H. Bandage and shield. 4,807,613, 2-28-89, Cl. 128-155.000.
- Koehnlein, Ernst: *See—*
  - Schlag, Johannes; Koehnlein, Ernst; Bauer, Peter; Koessler, Ludwig; and Hausz, Alfred F., 4,876,147, Cl. 428-379.000.
- Koei Chemical Co., Ltd.: *See—*
  - Nabata, Toshinari, 4,812,566, Cl. 540-533.000.
  - Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, 4,810,794, Cl. 546-251.000.
- Koeleman, Gerardus A. J.: *See—*
  - Hendriks, Johannes S.; Koeleman, Gerardus A. J.; and Seelen, Franciscus J. H., 4,830,353, Cl. 271-117.000.
- Koeleveld, Frans P. P.: *See—*
  - Hibbard, Billy B.; Mann, Joe A.; Koeleveld, Frans P. P.; Potepan, Agnes K.; White, Richard E.; Knight, Barry T.; and Bryant, Howard H., 4,837,281, Cl. 525-234.000.
  - Hibbard, Billy B.; Mann, Joe A.; and Koeleveld, Frans P. P., 4,866,109, Cl. 524-5.000.
- Koelle, Alfred R.; Speirs, Donald F.; and Hendrick, Peter L., to Amtech Corporation. Rapid signal validity checking apparatus. 4,864,158, 9-5-89, Cl. 307-231.000.
- Koelle, Alfred R.: *See—*
  - Landt, Jeremy A.; Koelle, Alfred R.; and Eckhardt, David A., 4,888,591, Cl. 342-44.000.
- Koelling, Dieter, to Siemens Aktiengesellschaft. Electromagnetic relay. 4,851,802, 7-25-89, Cl. 335-274.000.
- Koelmans, Norbert, to Siemens Aktiengesellschaft. Surveillance radar system. 4,797,676, 1-10-89, Cl. 342-176.000.
- Koelsch, Lester M. Submersible bearing assembly. 4,881,829, 11-21-89, Cl. 384-448.000.
- Koelsch, Raphael. Arrangement for determining the number of persons and a direction within a space to be monitored or a pass-through. 4,847,485, 7-11-89, Cl. 250-221.000.
- Koen, Myron J.: *See—*
  - Halbert, Joel M.; and Koen, Myron J., 4,807,147, Cl. 364-487.000.

Koenck, Steven E., to Norand Corporation. Battery conditioning system having communication with battery parameter memory means in conjunction with battery conditioning. 4,885,523, 12-5-89, Cl. 320-21.000.
Koenders, Bernardus M.: *See—*
  Maatman, Hendrik; and Koenders, Bernardus M., 4,835,223, Cl. 525-432.000.
Koeneman, Robert M.; Miller, Benjamin D.; and Jablonski, Thaddeus M., to Remcor Products Company. Control system for icemaker and ice dispenser and method. 4,803,847, 2-14-89, Cl. 62-68.000.
Koenhen, Dirk M.: *See—*
  Roesink, Hendrik D. W.; Smolders, Cornelis A.; Mulder, Marcellinus H. V.; and Koenhen, Dirk M., 4,798,847, Cl. 521-50.000.
Koenig & Bauer Aktiengesellschaft: *See—*
  Bayerlein, Friedrich K.; Leuerer, Dietrich R. K.; and Rindfleisch, Karl H., 4,812,842, Cl. 340-825.720.
  Bolza-Schunemann, Hans Berhard; and Grosshauser, Heinrich K., 4,833,984, Cl. 101-220.000.
  Felkl, Heinz W.; and Antoni, Karlheinz, 4,864,931, Cl. 101-415.100.
  Grosshauser, Heinrich K.; and Schneider, Georg, 4,848,229, Cl. 101-382.100.
  Michalik, Horst B., 4,861,019, Cl. 271-315.000.
  Wieland, Erich G., 4,821,643, Cl. 101-230.000.
  Wieland, Erich G., 4,827,626, Cl. 33-614.000.
  Wieland, Erich G., 4,829,898, Cl. 101-483.000.
  Wieland, Erich G., 4,833,989, Cl. 101-410.000.
  Wieland, Erich G.; and Dorsam, Willi R. L., 4,862,800, Cl. 101-415.100.
Koenig, David G., to OI-NEG TV Products, Inc. Package assembly for glass funnel parts. 4,860,894, 8-29-89, Cl. 206-421.000.
Koenig, David W.: *See—*
  Day, Donal F.; and Koenig, David W., 4,820,640, Cl. 435-211.000.
Koenig, Erl, to Goodman, Donald, a part interest. Electrical circuit for inductance conductors, transformers and motors. 4,806,834, 2-21-89, Cl. 318-523.000.
Koenig, Horst: *See—*
  Rosay, Philip A.; Thyes, Marco; Franke, Albrecht; Koenig, Horst; Lehmann, Hans D.; Gries, Josef; Friedrich, Ludwig; and Lenke, Dieter, 4,873,246, Cl. 514-252.000.
Koenig, Jean-Jacques: *See—*
  Jarreau, Francois-Xavier; and Koenig, Jean-Jacques, 4,885,280, Cl. 514-26.000.
Koenig, Karl-Heinz: *See—*
  Panster, Peter; Koenig, Karl-Heinz; Schopenhauer-Gehrmann, Elske; and Kleinschmit, Peter, 4,851,492, Cl. 528-9.000.
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Koenig, Peter: *See—*
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Koenig, Peter M.: *See—*
  Langsetmo, Peder K.; Inoue, Masayuki; Douglas, Robert A.; Koenig, Peter M.; and Halasz, Alex, 4,810,099, Cl. 366-168.000.
Koenig, Raymond A.; and Haertel, Gunter H., to Dow Chemical Company, The. Method for increasing the functionality of an epoxy resin. 4,795,791, 1-3-89, Cl. 525-523.000.
Koenig, Richard F.: *See—*
  Sockwell, C. Leon; Kitterman, John F.; Kitterman, Kent B.; and Koenig, Richard F., 4,830,436, Cl. 298-8.00R.
Koenig, Robert G., to Cleveland Machine Controls, Inc. Web tension transducer apparatus. 4,796,474, 1-10-89, Cl. 73-862.650.
Koenig, Timothy A., to Minnesota Mining and Manufacturing Company. Process for coating electrical bus bars and the like. 4,885,187, 12-5-89, Cl. 427-58.000.
Koenig, Wilhelm; Lang, Thomas; and Trumpp, Gerhard, to Siemens Aktiengesellschaft. Broadband signal switching equipment. 4,839,643, 6-13-89, Cl. 340-825.910.
Koenig, William J.: *See—*
  Blinken, Robert J.; Blinken, Robert J., Jr.; Garner, Merle D.; Koenig, William J.; and Oliver, Billy B., 4,796,293, Cl. 379-202.000.
Koenigkramer, Rusty E.: *See—*
  Bauer, Richard D.; Buzzell, John G.; and Koenigkramer, Rusty E., 4,849,322, Cl. 430-285.000.
Koenigs, Philip E.: *See—*
  Mason, Richard A.; and Koenigs, Philip E., 4,805,256, Cl. 15-320.000.
Koenigsberg, William D., to GTE Laboratories Incorporated. X-ray apparatus. 4,827,494, 5-2-89, Cl. 378-138.000.
Koenitzer, Bernd A.: *See—*
  Feimer, Joseph L.; Koenitzer, Bernd A.; and Schucker, Robert C., 4,828,773, Cl. 264-45.500.
  Feimer, Joseph L.; Koenitzer, Bernd A.; and Schucker, Robert C., 4,879,044, Cl. [illegible]0-654.000.
Koepff, Peter; Muller, Alexander; Schreiber, Reinhard; Turowski, Angelika; and Braumer, Klaus, to Deutsche Gelatine-Fabriken Stoess & Co. GmbH. Agents for the treatment of arthroses. 4,804,745, 2-14-89, Cl. 530-356.000.
Koepke, Jeffery W.; Hsieh, Wen-Ching; and Bostich, June M., to Union Oil Company of California. Process for producing petroleum sulfonates. 4,847,018, 7-11-89, Cl. 562-33.000.
Koepke, Jeffery W., and Abdo, Suheil F., to Union Oil Company of California. Hydrocarbon conversion. 4,871,445, 10-3-89, Cl. 208-89.000.
Koepke, Jeffery W.; and Delaney, Dennis D., to Union Oil Company of California. Process for purifying an aqueous, hydrogen sulfide-scrubbing solution. 4,883,601, 11-28-89, Cl. 210-710.000.
Koeplin-Gall, Sandra: *See—*
  Schild, Ronald H.; Koeplin-Gall, Sandra; and Broxterman, Gregory C., 4,872,999, Cl. 210-754.000.
Koepnick, Paul J.: *See—*
  Grutter, William G.; and Koepnick, Paul J., 4,832,502, Cl. 366-279.000.
Koepp, O. William, Jr. Lightweight cradle davit lift for an inflatable boat. 4,864,951, 9-12-89, Cl. 114-44.000.
Koeppe, Siegmar, to Siemens Aktiengesellschaft. Monolithic integrated circuit comprising circuit branches parallel to one another. 4,799,096, 1-17-89, Cl. 357-42.000.
Koeppe, Siegmar, to Siemens Aktiengesellschaft. Method for simulating a fault in a logic circuit and a simulation model for the implementation of the method. 4,852,093, 7-25-89, Cl. 371-23.000.
Koeppe, Siegmar, to Siemens Aktiengesellschaft. Method for simulating an open fault in a logic circuit comprising field effect transistors and simulation models for implementing the method. 4,868,825, 9-19-89, Cl. 371-23.000.
Koerber, Clement J., Sr.; Gallant, Dennis J.; and Foster, L. Dale, to Hill-Rom Company, Inc. Safety control system for a hospital bed. 4,882,566, 11-21-89, Cl. 340-825.690.
Koerber, Keith G.: *See—*
  Effenberger, John A.; Koerber, Keith G.; Latorra, Michael N.; and Petriello, John V., 4,883,716, Cl. 428-421.000.
Koerner, Charles B., to ITT Corporation. Doppler shift generator apparatus. 4,876,546, 10-24-89, Cl. 342-15.000.
Koerner, Gotz; Weitemeyer, Christian; and Wewers, Dietmar, to Th. Goldschmidt AG. Method for the preparation of SiH-containing organopolysiloxanes. 4,816,541, 3-28-89, Cl. 528-10.000.
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  Fink, Hans-Ferdi; Koerner, Gotz; Berger, Roland; and Weitemeyer, Christian, 4,824,983, Cl. 556-454.000.
  Gruning, Burghard; Holtschmidt, Ulrich; Koerner, Gotz; and Rossmy, Gerd, 4,844,980, Cl. 428-405.000.
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Koerner, John E.: *See—*
  Carr, Albert A.; Koerner, John E.; Dage, Richard C.; Li, Tung; and Hay, David A., 4,868,194, Cl. 514-318.000.
Koerner, Robert M.; Lord, Arthur E., Jr.; and Brugger, John E., to Drexel University. Method of removing contaminants from contaminated soil in situ. 4,842,448, 6-27-89, Cl. 405-258.000.
Koerner, Volkmar, to MBB GmbH. Selective coating of and coating removal from metal parts particularly construction parts for aircraft. 4,808,238, 2-28-89, Cl. 134-38.000.
Koerner, Walter J. Method of weighing equines. 4,823,894, 4-25-89, Cl. 177-25.140.
Koernig, Wolfgang: *See—*
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Koesashi, Yuzo; Kawade, Yasuhiko; and Iwata, Yoshikazu, to Mitsubishi Kinzoku Kabushiki Kaisha. Insert boring tool. 4,859,123, 8-22-89, Cl. 408-233.000.
Koese, Gerrit C. Multi-spindel drilling machine. 4,872,788, 10-10-89, Cl. 408-46.000.
Koeske, Ronald E.: *See—*
  Haba, Anthony R., Jr.; Clough, S. Craig; Koeske, Ronald E.; and Maxwell, Richard P., Jr., 4,815,190, Cl. 29-430.000.
Koessler, Ludwig: *See—*
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Koester, Claus: *See—*
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  Koester, William L.; and Koester, Daniel L., 4,826,066, Cl. 227-120.000.
Koester, Eberhard: *See—*
  Dust, Matthias; Neumann, Peter; Schefczik, Ernst; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus-Dieter; Kuppelmaier, Harald; and Koester, Eberhard, 4,876,356, Cl. 548-419.000.
Koester, Frank, to A Collaberation of 3 Designers. Door assembly. 4,813,192, 3-21-89, Cl. 52-207.000.
Koester, Klaus: *See—*
  Richtler, Hans-Joachim; Kreutzer, Udo; Carduck, Franz-Josef; Koester, Klaus; and Harth, Hubert, 4,874,552, Cl. 260-400.000.
Koester, Rita; von Rybinski, Wolfgang; and Ploog, Uwe, to Henkel Kommanditgesellschaft auf Aktien. Alkyl sulfosuccinates based on alkoxylated fatty alcohols as collectors for non-sulfidic ores. 4,814,070, 3-21-89, Cl. 209-166.000.
Koester, Vaughn J.: *See—*
  Hanson, Charles M.; Koester, Vaughn J.; and Fallstrom, Robert D., 4,884,137, Cl. 358-108.000.
Koester, William L.; and Koester, Daniel L. Staple insertion apparatus. 4,826,066, 5-2-89, Cl. 227-120.000.

Koethe, Peter: *See—*
  Engel, Georg; Hartmann, Hans-Heinrich; Koethe, Peter; Svagr, Alexandr; and Onderka, Bernd, 4,864,836, Cl. 72-225.000.
Kortj., John R. Line connector. 4,845,877, 7-11-89, Cl. 43-7.000.
Koetsch, Paul W.: *See—*
  Korb, William B.; and Koetsch, Paul W., 4,813,144, Cl. 30-90.300.
Koetzsch, Hans-Joachim: *See—*
  Vahlensieck, Hans-Joachim; and Koetzsch, Hans-Joachim, 4,824,982, Cl. 556-451.000.
Koezuka, Hiroshi: *See—*
  Hyodo, Kenji; Koezuka, Hiroshi; and MacDiarmid, Alan G., 4,873,556, Cl. 357-8.000.
Koezuka, Junji: *See—*
  Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, 4,857,499, Cl. 502-326.000.
Koezuka, Tetsuo; Tsukahara, Hiroyuki; and Nakashima, Masato, to Fujitsu Limited. Pattern matching method and apparatus. 4,805,224, 2-14-89, Cl. 382-8.000.
Koffel, William K.: *See—*
  Hsia, Edward S.; Starkweather, John H.; and Koffel, William K., 4,798,515, Cl. 415-115.000.
Koffler, Nickodemus J.; and Schoch, Ronald J. Plant protector. 4,829,707, 5-16-89, Cl. 47-28.00R.
Koffron, Robert J., to Tetron, Inc. Vortex inhibitor for molten metal discharge. 4,871,148, 10-3-89, Cl. 266-230.000.
Koffskey, John M.: *See—*
  Hartness, Thomas S.; and Koffskey, John M., 4,830,173, Cl. 198-442.000.
Koffsky, Robert M.; and Pedersen, Finn S., to Affald International Inc. Waste disposal apparatus. 4,809,915, 3-7-89, Cl. 241-36.000.
Koffsky, Robert M.; and Pedersen, Finn S., to Affald International Inc. Waste disposal apparatus. 4,889,290, 12-26-89, Cl. 241-36.000.
Koflach Sport Gesellschaft mbH & Co. KG: *See—*
  Hensler, Adolf, 4,864,745, Cl. 36-120.000.
  Kemmer, Karl, 4,823,485, Cl. 36-119.000.
Kofod, Finn. Cleaning tool, especially for dental use. 4,854,870, 8-8-89, Cl. 433-166.000.
Kofod, Mogens, to Minnesota Mining and Manufacturing Company. Fiber optic fan-out module. 4,884,862, 12-5-89, Cl. 350-96.200.
Kofod, Mogens: *See—*
  Rao, Ram A.; Kofod, Mogens; Puchammer, Julius; and Galiotti, George, 4,875,754, Cl. 350-96.200.
Kofol, J. Stephen; and Schroepfer, Daniel A. Electronically steerable antenna. 4,885,592, 12-5-89, Cl. 343-754.000.
Kofuji, Masatoshi, to NEC Corporation. Cache memory circuit for processing a read request during transfer of a data block. 4,835,678, 5-30-89, Cl. 364-200.000.
Koga, Eizi: *See—*
  Nakanishi, Takehisa; Koga, Eizi; and Fukada, Isao, 4,876,372, Cl. 549-529.000.
Koga, Hidetaka; Kurosawa, Ikuo; Yamazaki, Atsushi; Takahashi, Kouji; Naoe, Fumihiro; Takemura, Motoi; and Kurotaki, Naoyuki, to Isuzu Motors Limited. Multiple disc clutch apparatus. 4,862,769, 9-5-89, Cl. 74-710.500.
Koga, Hidetaka, to Isuzu Motors Ltd. Automatic change gear control means. 4,884,667, 12-5-89, Cl. 192-3.550.
Koga, Hiroaki, to Kioritz Corporation. Choke device for internal combustion engine. 4,888,034, 12-19-89, Cl. 55-260.000.
Koga, Hirofumi; and Koyanagi, Katsumi, to Omron Tateisi Electronics Co. Switching current and a relay device employed therein. 4,855,612, 8-8-89, Cl. 307-140.000.
Koga, Hirofumi: *See—*
  Agatahama, Shunichi; Koga, Hirofumi; Sato, Ryuichi; Sagawa, Hiroyuki; and Matsuoka, Kazushige, 4,831,348, Cl. 335-80.000.
  Sagawa, Hiroyuki; Koga, Hirofumi; Agatahama, Shunichi; Okumura, Hideyuki; Matsuoka, Kazushige; and Sato, Ryuichi, 4,814,944, Cl. 361-403.000.
Koga, Hiroshi; Mori, Takashi; Dan, Takashi; and Akima, Michitaka, to Chugai Seiyaku Kabushiki Kaisha. Xanthone derivatives and process for producing the same. 4,816,479, 3-28-89, Cl. 514-455.000.
Koga, Hisashi: *See—*
  Sakamoto, Yuzo; Koga, Hisashi; and Saito, Shoichi, 4,831,477, Cl. 360-99.060.
Koga, Hitoshi; Iwata, Kazuo; Nishimoto, Masushi; and Hashimoto, Mikio, to Mitsui Petrochemical Industries, Ltd. Amorphous polyester compositions and uses thereof. 4,849,293, 7-18-89, Cl. 428-447.000.
Koga, Kazuo: *See—*
  Kume, Satoru; Yoshida, Michiyasu; Kume, Tateo; Oshima, Hiroki; Kawagoe, Mitsuhiro; and Koga, Kazuo, 4,835,964, Cl. 60-285.000.
Koga, Keiichiro: *See—*
  Yamasaki, Norikazu; and Koga, Keiichiro, 4,797,887, Cl. 371-43.000.
Koga, Keiji: *See—*
  Yamamoto, Ikuro; and Koga, Keiji, 4,834,213, Cl. 181-210.000.
Koga, Keisuke: *See—*
  Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, 4,870,289, Cl. 250-548.000.
Koga, Kenji: *See—*
  Chida, Katsunori; Tomita, Sigeo; and Koga, Kenji, 4,831,288, Cl. 307-633.000.
Koga, Kouhei: *See—*
  Nakamura, Yoshinori; Koga, Kouhei; Kosuge, Satoru; and Fukunishi, Yoshihiro, 4,797,084, Cl. 425-533.000.
  Nakamura, Yoshinori; Koga, Kouhei; Kosuge, Satoru; and Fukunishi, Yoshihiro, 4,846,661, Cl. 425-522.000.
Koga, Kunimasa; Fujikawa, Shigeaki; and Fukui, Yuko, to Suntory Limited. Natural blue dye composition and colorant using the same prepared by reacting taurine and genipin. 4,878,921, 11-7-89, Cl. 8-646.000.
Koga, Kunio; Shima, Koji; and Samejima, Mutsumi, to Daicel Chemical Industries, Ltd. Process for the recovery of acetic acid. 4,883,912, 11-28-89, Cl. 562-608.000.
Koga, Mamoru: *See—*
  Mochizuki, Takanori; Toda, Kenzo; Koga, Mamoru; Togawa, Yoshiyuki; Takayama, Shinitiro; and Imai, Katsuyuki, 4,804,450, Cl. 204-299.00R.
Koga, Masahiro: *See—*
  Tanaka, Toshio; Hazato, Atsuo; Kurozumi, Seizi; and Koga, Masahiro, 4,841,091, Cl. 558-441.000.
Koga, Nobuhito: *See—*
  Yamaya, Norimasa; Koga, Nobuhito; and Baba, Kenichi, 4,816,516, Cl. 525-180.000.
  Yamaya, Norimasa; Koga, Nobuhito; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,831,102, Cl. 528-170.000.
  Yamaya, Norimasa; Koga, Nobuhito; and Baba, Kenichi, 4,847,311, Cl. 524-413.000.
Koga, Noriyuki; and Hosoya, Masakatsu, to Sony Corp. Mode change mechanism for tape recorders. 4,831,660, 5-16-89, Cl. 360-90.000.
Koga, Noriyuki: *See—*
  Ida, Mitsuru; and Koga, Noriyuki, 4,799,116, Cl. 360-74.100.
  Ida, Mitsuru; and Koga, Noriyuki, 4,839,759, Cl. 360-96.300.
Koga, Ritsuo, to Plus Corporation. Portable transfer apparatus. 4,802,014, 1-31-89, Cl. 358-296.000.
Koga, Shinichiro; Miyamoto, Masaaki; and Nakanishi, Hidemi, to Mitsubishi Chemical Industries Limited. Process for producing polyamide. 4,810,753, 3-7-89, Cl. 525-183.000.
Koga, Shinichiro; Matsuno, Akira; Sakata, Katsuyuki; Ohtani, Yoshiaki; and Akihara, Isao, to Mitsubishi Chemical Industries Ltd. Polycarbonate preparation with controlled amounts of carbon tetrachloride. 4,839,458, 6-13-89, Cl. 528-196.000.
Koga, Shiro: *See—*
  Suzuki, Hitoshi; Hara, Kozo; Koga, Shiro; and Morita, Shigeru, 4,860,363, Cl. 381-89.000.
Koga, Tomio: *See—*
  Ushimaru, Koichi; Hamakawa, Tomoaki; and Koga, Tomio, 4,874,774, Cl. 514-356.000.
Koga, Toshio; and Ohki, Junichi, to NEC Corporation. Data compression using orthogonal transform and vector quantization. 4,851,906, 7-25-89, Cl. 358-133.000.
Koga, Toshio: *See—*
  Iinuma, Kazumoto; Koga, Toshio; Furukawa, Akihiro; Okubo, Sakae; Hashimoto, Hideo; and Mukawa, Naoki, 4,802,006, Cl. 358-135.000.
  Kaneko, Masahide; Matsuda, Kiichi; Mukawa, Naoki; and Koga, Toshio, 4,805,017, Cl. 358-105.000.
Koga, Yasunori: *See—*
  Miyazaki, Yasumichi; and Koga, Yasunori, 4,798,989, Cl. 310-328.000.
Koga, Yoichi: *See—*
  Kuwamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, 4,883,606, Cl. 252-32.500.
Koga, Yoichiro: *See—*
  Yoshimi, Satoshi; and Koga, Yoichiro, 4,888,927, Cl. 52-303.000.
Koga, Youichiro: *See—*
  Yoshimi, Satoshi; and Koga, Youichiro, 4,860,506, Cl. 52-144.000.
Koga, Yuji: *See—*
  Iwase, Takayuki; Sakanobe, Minoru; and Koga, Yuji, 4,883,376, Cl. 400-83.000.
Kogaito, Kikuo: *See—*
  Fujimoto, Masakazu; and Kogaito, Kikuo, 4,846,259, Cl. 165-1.000.
Kogame, Kunio: *See—*
  Makimura, Masaru; and Kogame, Kunio, 4,833,012, Cl. 428-288.000.
Kogame, Yoshikazu: *See—*
  Katayama, Kazuhiko; Hamaguchi, Shigeki; Kogame, Yoshikazu; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,814,506, Cl. 564-292.000.
Kogan, Grigory, to National Semiconductor Corporation. Refresh cell for a random access memory. 4,805,152, 2-14-89, Cl. 365-222.000.
Kogan, Grigory, to National Semiconductor Corp. Vertical punch-through cell. 4,809,051, 2-28-89, Cl. 357-24.000.
Kogane, Mikio; and Otake, Katsumi, to Fuji Photo Film Co., Ltd. Photographic printer for making elemental prints. 4,866,476, 9-12-89, Cl. 355-40.000.
Kogane, Mikio: *See—*
  Nishimura, Mizuho; Watase, Nobuo; Sakaguchi, Yasunobu; and Kogane, Mikio, 4,862,779, Cl. 83-123.000.
Koganebuchi, Mutsuo: *See—*
  Sasaki, Setsuo; Iwaya, Shoichi; Taguchi, Teruo; Tanaka, Seizou; Satoh, Takeyoshi; and Koganebuchi, Mutsuo, 4,811,161, Cl. 361-302.000.
Koganei Ltd.: *See—*
  Mita, Tatsumi, 4,798,128, Cl. 92-59.000.
  Nanbu, Masahiro; and Suda, Hiroyuki, 4,848,727, Cl. 251-129.160.
Kogawa, Takashi: *See—*
  Kametani, Masatsugu; Sugiyama, Kengo; Kogawa, Takashi; and Hanada, Takeshi, 4,803,613, Cl. 364-132.000.

- Kogej, Boris; and Potocnik, Joze, to Kolektor P. O. Method of manufacturing commutators. 4,872,255, 10-10-89, Cl. 29-597.000.
- Kogel, Henry G.: *See—*
  - Regan, James B.; Ikovich, George J.; Carlsen, James A.; Juelich, Richard J.; and Kogel, Henry G., 4,878,452, Cl. 114-293.000.
- Kogelnik, Hans-Joachim: *See—*
  - Haas, Peter; and Kogelnik, Hans-Joachim, 4,797,430, Cl. 521-164.000.
  - Wolf, Klaus-Dieter; and Kogelnik, Hans-Joachim, 4,833,176, Cl. 521-160.000.
- Kogelschatz, Ulrich: *See—*
  - Eliasson, Baldur; Erni, Peter; Hirth, Michael; and Kogelschatz, Ulrich, 4,837,484, Cl. 313-634.000.
- Koger, Friedrich: *See—*
  - Holzberger, Vinzenz; and Koger, Friedrich, 4,798,518, Cl. 415-211.000.
- Koger, Hein S.: *See—*
  - Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Gareth T.; Robertson, Brian W.; and Watts, Peter D., 4,886,750, Cl. 435-136.000.
- Kogi, Kentaro: *See—*
  - Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.
  - Yamada, Shin-ichi; Goto, Takao; Mashiko, Toshihisa; Kogi, Kentaro; Oguchi, Yukiko; and Narita, Senichi, 4,874,760, Cl. 514-234.200.
- Kogiso, Harumi; and Akachi, Keiji, to Toyoda Gosei Co., Ltd.; and Fuji Jukogyo Kabushiki Kaisha. Water removing structure of roof weather strip. 4,827,670, 5-9-89, Cl. 49-476.000.
- Kogiso, Takashi: *See—*
  - Ito, Shunji; Ito, Kanehiro; Kogiso, Takashi; and Kurachi, Yoshio, 4,858,746, Cl. 198-465.400.
- Kogita, Hidekazu: *See—*
  - Torii, Nozomu; Mori, Keiji; and Kogita, Hidekazu, 4,832,477, Cl. 350-637.000.
- Kogler, Kent J.: *See—*
  - Murarka, Narayan P.; Kogler, Kent J.; Bartholomew, Craig S.; Betz, Howard T.; and Harris, Richard J., 4,837,044, Cl. 427-10.000.
- Kogler, Peter; Scheiber, Berthold; Martin, Wulf; and Wrulich, Herwig, to Voest-Alpine Aktiengesellschaft. Shield advancing machine. 4,805,963, 2-21-89, Cl. 299-33.000.
- Koglin, Dennis M.; and Kearney, Mark B., to Delco Electronics Corporation. Temperature compensated voltage generator. 4,883,992, 11-28-89, Cl. 307-491.000.
- Koglin, Dennis M.: *See—*
  - Kearney, Mark B.; and Koglin, Dennis M., 4,866,312, Cl. 307-496.000.
  - Luettgen, Michael J.; Koglin, Dennis M.; Kearney, Mark B.; Hart, John M., Jr.; and Brown, Ronald E., 4,850,227, Cl. 73-708.000.
- Kogo, Katsuyuki, to Sumitomo Electric Industries, Ltd. Transcutaneous blood gas sensor. 4,809,698, 3-7-89, Cl. 128-632.000.
- Kogo, Katsuyuki: *See—*
  - Miyagawa, Yuichi; Yoneda, Kiwamu; Kuwa, Kazuhiro; and Kogo, Katsuyuki, 4,854,153, Cl. 73-1.00G.
- Kogo, Masanori; and Ino, Yoshihiro, to Tokin Corporation. Large capacity information storage apparatus using a plurality of magnetic disk units. 4,849,838, 7-18-89, Cl. 360-69.000.
- Kogo, Yasuo: *See—*
  - Ogawa, Hiroyasu; Kogo, Yasuo; Takahashi, Shuji; and Suzuki, Yasuo, 4,883,712, Cl. 428-367.000.
- Koguchi, Kiichiro: *See—*
  - Tsuchida, Masami; Suzuki, Shiro; Koguchi, Kiichiro; Takahashi, Tokihiro; and Sato, Takayuki, 4,887,170, Cl. 360-15.000.
- Koguchi, Makoto: *See—*
  - Kawazoe, Hideyo; Koguchi, Makoto; and Orimo, Katsumi, 4,826,520, Cl. 65-3.120.
- Koguchi, Minoru: *See—*
  - Obitsu, Takeo; Ohnishi, Yutaka; Yoshinaka, Shinji; Koguchi, Minoru; Yanagita, Mitsuhiro; Hirai, Nobuyuki; and Tanaka, Toshiyuki, 4,826,806, Cl.. 503-217.000.
- Koguchi, Toshio; and Kinoshita, Haruo, to NEC Corporation. Method of forming resist pattern on substrate. 4,814,244, 3-21-89, Cl. 430-30.000.
- Koguchi, Youji: *See—*
  - Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,594, Cl. 65-18.400.
- Kogure, Eriko; Nakamura, Makoto; and Kumazawa, Toshiaki, to Olympus Optical Co., Ltd. Measurement method of peroxidase activity. 4,855,229, 8-8-89, Cl. 435-28.000.
- Kogure, Hiroshi: *See—*
  - Tokunaga, Masaaki; Kogure, Hiroshi; Meguro, Noriaki; and Hagi, Chitoshi, 4,814,139, Cl. 419-12.000.
- Kogure, Kyuya; and Masaki, Mitsuo, to Nippon Chemiphar Co., Ltd. Process for protection of brain cells. 4,804,657, 2-14-89, Cl. 514-218.000.
- Kogure, Kyuya; and Masaki, Mitsuo, to Nippon Chemiphar Co., Ltd. Process for protection of brain cells. 4,835,155, 5-30-89, Cl. 514-255.000.
- Kogure, Masaaki; Mitekura, Yoshihiro; Matsuyama, Naoki; and Shinguryo, Satoshi, to Ricoh Company, Ltd. Wide screen display device using an endless belt. 4,857,908, 8-15-89, Cl. 340-785.000.
- Kogure, Mitutosi; Nakamura, Yuka; Tamura, Makoto; and Itaya, Keiji, to Kabushiki Kaisha Toshiba. Fixing device including a heat roller having a device for heating a region of the roller corresponding to the width of an image forming medium. 4,801,968, 1-31-89, Cl. 355-3.0FU.
- Kogure, Mitutosi; Nakamura, Yuka; and Tamura, Makoto, to Kabushiki Kaisha Toshiba. Toner image fixing apparatus. 4,813,372, 3-21-89, Cl. 118-60.000.
- Kogure, Shigeru: *See—*
  - Aoyama, Akira; Kogure, Shigeru; and Sugimoto, Mamoru, 4,801,499, Cl. 428-336.000.
- Kogure, Toshiharu: *See—*
  - Hanami, Osamu; Nomura, Shinichi; and Kogure, Toshiharu, 4,868,805, Cl. 369-53.000.
- Kogure, Yasuo, to Hoya Corporation. Reference corrected color sensor. 4,886,366, 12-12-89, Cl. 356-406.000.
- Kogure, Yasuo: *See—*
  - Kiyoura, Tadamitsu; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,822,589, Cl. 423-502.000.
  - Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,828,815, Cl. 423-502.000.
- Kogure, Yoshikazu: *See—*
  - Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.
- Kogure, Yoshio: *See—*
  - Fujita, Takashi; Hihara, Toshio; Kogure, Yoshio; Sekioka, Riyouichi; and Nakamura, Noboru, 4,872,881, Cl. 8-549.000.
  - Ohasi, Hiroyuki; Takami, Toru; Koyama, Noritoshi; Kogure, Yoshio; Ida, Katsumi; Iijima, Kazumi; and Kobori, Tomohiro, 4,840,970, Cl. 514-690.000.
- Kogyo Gizyutsuin: *See—*
  - Hayashi, Yutaka; Kojima, Yoshikazu; Kamiya, Masaaki; and Tanaka, Kojiro, 4,821,236, Cl. 365-185.000.
- Koh, Chang-Am. Doll of rush stalks. 4,854,912, 8-8-89, Cl. 446-373.000.
- Koh-I-Noor Rapidograph, Inc.: *See—*
  - Zur, Reinhard, 4,833,490, Cl. 346-139.00R.
- Koh, Makoto: *See—*
  - Nakagawa, Kazushige; Koh, Makoto; Sera, Kyoji; Ozeki, Tadashi; and Iwasaki, Masahiro, 4,872,394, Cl. 91-506.000.
- Kohachi, Nomura: *See—*
  - Hagiwara, Michiaki; Menjiu, Akira; Kohachi, Nomura; Masaru, Kataoka; Yoshinao, Yamada; and Miyuri, Sasaki, 4,806,179, Cl. 148-403.000.
- Kohake, Edward; and Butler, John T. Railroad switch stand. 4,824,054, 4-25-89, Cl. 246-406.000.
- Kohake, Ronald W.: *See—*
  - Kazan, Howard; and Kohake, Ronald W., 4,807,282, Cl. 379-284.000.
- Kohama, Hajime: *See—*
  - Ishii, Takashi; Kohama, Hajime; Yabe, Hisao; Yano, Akira; and Noto, Shinsuke, 4,822,662, Cl. 428-131.000.
  - Ishii, Takashi; Kohama, Hajime; and Yabe, Hisao, 4,853,284, Cl. 428-335.000.
  - Mizunoya, Nobuyuki; Kohama, Hajime; and Sugiura, Yasuyuki, 4,849,292, Cl. 428-433.000.
- Kohama, Mitsuyoshi; and Ogishima, Tetsuo, to Honda Giken Kogyo Kabushiki Kaisha. Body covers for motorcycle. 4,818,012, 4-4-89, Cl. 296-78.100.
- Kohama, Takayuki; and Kojima, Hideo, to Sanshin Industry Co., Ltd. Method and apparatus for manufacturing hollow cylindrical guide roller for magnetic recording tape. 4,882,924, 11-28-89, Cl. 72-254.000.
- Kohama, Takuji; Minagawa, Fumiyasu; Shinjo, Goro; Tsuda, Shigenori; and Maeda, Kazuyuki, to Sumitomo Chemical Company, Limited. Poison bait for control of noxious insects. 4,834,977, 5-30-89, Cl. 424-405.000.
- Kohama, Tokio: *See—*
  - Goto, Hiroyuki; Kohama, Tokio; Nishio, Yoshitaka; Obayashi, Hideki; and Horie, Kazuyuki, 4,796,584, Cl. 123-403.000.
  - Obayashi, Hideki; Nishio, Yoshitaka; Kohama, Tokio; and Goto, Hiroyuki, 4,858,568, Cl. 123-52.00M.
- Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, to Tokyo Ohka Kogyo Co., Ltd. Positive-working photosensitive quinone diazide composition with alkali insoluble dye and alkali soluble dye. 4,882,260, 11-21-89, Cl. 430-191.000.
- Kohara, Hidekatsu: *See—*
  - Asaumi, Shingo; Kohara, Hidekatsu; Tanaka, Hatsuyuki; and Nakayama, Toshimasa, 4,804,612, Cl. 430-192.000.
  - Tanaka, Hatsuyuki; Kohara, Hidekatsu; Sato, Yoshiyuki; Asaumi, Shingo; Nakayama, Toshimasa; Yokota, Akira; and Nakane, Hisashi, 4,833,067, Cl. 430-331.000.
  - Tanaka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, 4,873,177, Cl. 430-326.000.
  - Tanka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, 4,820,621, Cl. 430-331.000.
- Kohara, Masanobu; and Shibata, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device having a mos transistor and superposed capacitor. 4,799,093, 1-17-89, Cl. 357-23.600.
- Kohara, Tadanao; and Ueki, Satoshi, to Toa Nenryo Kogyo Kabushiki Kaisha. Catalyst for olefin polymerization. 4,870,042, 9-26-89, Cl. 502-114.000.
- Kohara, Tadanao; and Ueki, Satoshi, to Toa Nenryo Kogyo Kabushiki Kaisha. Catalyst for olefin polymerization. 4,871,704, 10-3-89, Cl. 502-114.000.

- Kohara, Tadanao: *See—*
  - Tochinai, Chiaki; Kohara, Tadanao; Budo, Sadayoshi; Masuda, Hiroaki; and Yoshida, Takayoshi, 4,845,182, Cl. 525-89.000.
- Kohara, Yoshiaki; and Shinkoda, Kazuya, to Mitsui Toatsu Chemicals, Incorporated. Photosetting resin composition. 4,854,666, 8-8-89, Cl. 350-96.340.
- Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, to Hitachi, Ltd. Method and apparatus for operating vacuum cleaner. 4,880,474, 11-14-89, Cl. 134-21.000.
- Kohashi, Hitoshi; Shizuka, Nobuhiko; and Kadoma, Yoshihito, to Nippon Oil and Fats Co., Ltd. Aqueous rust inhibitor composition. 4,888,132, 12-19-89, Cl. 252-393.000.
- Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Thermal printer using a thermally transferable ink sheet. 4,819,010, 4-4-89, Cl. 346-76.0PH.
- Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Thermal transfer sheet. 4,826,717, 5-2-89, Cl. 428-143.000.
- Kohashi, Tadao, to Matsushita Electric Industrial Co., Ltd. Method and apparatus for printing ink by dissolving colorant with solvent deposited on a drum. 4,833,530, 5-23-89, Cl. 358-75.000.
- Kohashi, Toru: *See—*
  - Hirose, Hideaki; Yoshida, Shigeru; and Kohashi, Toru, 4,832,092, Cl. 141-1.000.
- Kohata, Mitsuhiro: *See—*
  - Ishida, Mamoru; Inaki, Shunichi; Akiyama, Yoshikazu; and Kohata, Mitsuhiro, 4,883,766, Cl. 437-40.000.
- Kohata, Takashi: *See—*
  - Abe, Masaru; Kohata, Takashi; and Kawamoto, Yoshimichi, 4,836,577, Cl. 280-773.000.
  - Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,823,898, Cl. 180-140.000.
  - Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,828,063, Cl. 180-140.000.
  - Yasuda, Toru; Kawamoto, Yoshimichi; Abe, Masaru; and Kohata, Takashi, 4,853,672, Cl. 340-465.000.
- Kohatsu, Iwao: *See—*
  - Chang, Kuo Y.; Kohatsu, Iwao; and Garrou, Philip E., 4,806,658, Cl. 549-368.000.
  - Harley, A. Dale; Duquette, Lawrence G.; Khoury, Issam A.; and Kohatsu, Iwao, 4,816,072, Cl. 106-287.180.
- Kohayakawa, Hirokazu; Hirahara, Takuho; and Yamamoto, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Closed type rotary compressor with rotating member to prevent back pressure on discharge valve. 4,826,409, 5-2-89, Cl. 418-63.000.
- Kohayakawa, Hiromasa: *See—*
  - Itaya, Keiji; and Kohayakawa, Hiromasa, 4,876,576, Cl. 355-285.000.
- Kohayakawa, Yoshimi; and Matsumoto, Kazuhiro, to Canon Kabushiki Kaisha. Apparatus for measuring the refractive power of an eye. 4,820,037, 4-11-89, Cl. 351-211.000.
- Kohayakawa, Yoshimi, to Canon Kabushiki Kaisha. Non-contact eye pressure meter. 4,825,873, 5-2-89, Cl. 128-648.000.
- Kohayakawa, Yoshimi, to Canon Kabushiki Kaisha. Lens meter. 4,826,315, 5-2-89, Cl. 356-125.000.
- Kohayakawa, Yoshimi; and Numajiri, Yasuyuki, to Canon Kabushiki Kaisha. Laser applying apparatus. 4,830,483, 5-16-89, Cl. 351-221.000.
- Kohda, Katsuhiro: *See—*
  - Arakawa, Satoshi; and Kohda, Katsuhiro, 4,845,369, Cl. 250-484.100.
- Kohda, Kenji: *See—*
  - Toyama, Tsuyoshi; Kohda, Kenji; and Koyama, Toshihiro, 4,827,452, Cl. 365-200.000.
- Kohda, Toichi: *See—*
  - Yatsuda, Hiromi; Takeuchi, Yoshihiko; Kohda, Toichi; and Yoshikawa, Shokichiro, 4,878,036, Cl. 333-195.000.
- Kohen, Chaim; and Berliner, Itzhak, to Kohen, Chaim. Voice changer. 4,823,380, 4-18-89, Cl. 379-387.000.
- Kohga, Daiju: *See—*
  - Takeuchi, Hiroshi; Kohga, Daiju; and Yuki a, Yasuo, 4,856,919, Cl. 400-18.000.
- Kohgakusha Engineering Co., Ltd.: *See—*
  - Miyoshi, Takashi, 4,828,390, Cl. 356-373.000.
- Kohge, Shinichi: *See—*
  - Kozuka, Hajime; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,886,136, Cl. 180-79.100.
  - Morishita, Mitsuharu; and Kohge, Shinichi, 4,837,690, Cl. 364-424.050.
  - Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,838,074, Cl. 73-118.100.
  - Morishita, Mitsuharu; and Kohge, Shinichi, 4,849,889, Cl. 364-424.050.
  - Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,856,323, Cl. 73-118.100.
  - Morishita, Mitsuharu; and Kohge, Shinichi, 4,862,366, Cl. 364-424.050.
  - Morishita, Mitsuharu; and Kohge, Shinichi, 4,869,333, Cl. 180-79.100.
  - Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,875,367, Cl. 73-118.100.
  - Tatemoto, Minoru; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,830,137, Cl. 180-79.100.
- Kohguchi, Kenji: *See—*
  - Baba, Isao; Kondo, Takeo; Yanagisawa, Leiichi; and Kohguchi, Kenji, 4,872,045, Cl. 357-13.000.
- Kohida, Hiroyuki: *See—*
  - Ooyama, Mitsuo; Ando, Kimiaki; Kawamura, Yoshio; Saitou, Norio; Simura, Takanori; and Kohida, Hiroyuki, 4,820,928, Cl. 250-492.20B.
- Kohigashi, Minoru; Shiraki, Toshihiko; and Tsujimoto, Akito, to Koyo Seiko Co., Ltd. Bearing sealing device. 4,854,749, 8-8-89, Cl. 384-482.000.
- Kohin, Margaret, to Litton Systems, Inc. Short wavelength pass filter having a metal mesh on a semiconducting substrate. 4,871,220, 10-3-89, Cl. 350-1.700.
- Kohjin Co., Ltd.: *See—*
  - Mizutani, Tomoji; Isozaki, Hideo; Hirata, Makoto; and Fukushima, Hitoshi, 4,801,652, Cl. 525-240.000.
  - Mukohyama, Hideaki; Oka, Hiroshi; and Shibusawa, Kenji, 4,886,840, Cl. 522-96.000.
  - Suzuki, Jiro, 4,861,883, Cl. 544-277.000.
- Kohketsu, Susumu: *See—*
  - Nakazawa, Norio; Matsura, Yoshimasa; Takemoto, Tetsuo; and Kohketsu, Susumu, 4,794,758, Cl. 60-602.000.
  - Nakazawa, Norio; Matsura, Yoshimasa; Takemoto, Tetsuo; and Kohketsu, Susumu, 4,825,523, Cl. 29-156.80R.
- Kohl, Albert: *See—*
  - Grau, Werner; Kohl, Albert; Kovacs, Jenoe; Balz, Werner; and Muenzer, Wulf, 4,842,896, Cl. 427-131.000.
- Kohl, Gerhard; and Christiansen, Mogens B., to Asea Brown Boveri AG. Apparatus for supplying voltage to component assemblies. 4,883,427, 11-28-89, Cl. 439-64.000.
- Kohl, Gretchen S.; and McGee, James, to Dow Corning Corporation. Method of inhibiting the discoloration of emulsions and discoloration resistant emulsion compositions. 4,888,368, 12-19-89, Cl. 524-92.000.
- Kohl, Helmut: *See—*
  - Friesen, Heinz-Jurgen; Grenner, Gerd; Pauly, Hans-Erwin; Kohl, Helmut; Habenstein, Klaus; and Stark, Joseph, 4,861,711, Cl. 436-7.000.
- Kohl, James E.; and Watrous, Donald L., to Pacific Bell. System for detecting and locating defective crosspoint switches. 4,860,334, 8-22-89, Cl. 379-16.000.
- Kohl, James E.; Wildi, Eric J.; Scott, Robert S.; Pattanaya, Deva N.; and Adler, Michael S., to Pacific Bell. High-voltage pull-up device. 4,868,620, 9-19-89, Cl. 357-23.120.
- Kohl, James E.: *See—*
  - Scott, Robert S.; and Kohl, James E., 4,795,917, Cl. 307-270.000.
- Kohl. James W.; and Belcher, Mark D., to Donaldson Company, Inc. Articulatable fume exhauster trunk. 4,860,644, 8-29-89, Cl. 98-115.400.
- Kohl, Peter: *See—*
  - Lohrberg, Karl; and Kohl, Peter, 4,839,013, Cl. 204-258.000.
- Kohl, Vance L.; and Schlosser, Charles E., to Manitowoc Company, Inc., The. Harvest cycle refrigerant control system. 4,878,361, 11-7-89, Cl. 62-352.000.
- Kohl, Wilhelm: *See—*
  - Eibner, Robert; Jaschkowitz, Michael; Kloth, Bernhard; Kohl, Wilhelm; and Merks, Siegfried, 4,863,051, Cl. 215-261.000.
- Kohlbach, Fred R., to Bowater Packaging Limited. Device and a method for the air-free filling of receptacles, in particular flexible bags. 4,832,096, 5-23-89, Cl. 141-114.000.
- Kohlbauer, Ronald G., to Honeywell Inc. Dual output magnetic sensor. 4,821,560, 4-18-89, Cl. 73-117.300.
- Kohle, Michael R.; and Priebe, Durward H., to CTS Corporation. Method of making vented seal for electronic components and an environmentally protected component. 4,881,320, 11-21-89, Cl. 29-841.000.
- Kohlensaeurewerk Deutschland GmbH: *See—*
  - Gruenhoff, Ulrich; and Schneider, Bernhard, 4,874,615, Cl. 426-15.000.
- Kohler, Andrea: *See—*
  - Kaiser, Heinz; Kohler, Andrea; and Ruhl, Werner J., 4,866,995, Cl. 73-864.410.
- Kohler, Arnold: *See—*
  - Gerisch, Peter; and Kohler, Arnold, 4,854,806, Cl. 414-495.000.
- Kohler Coating Machinery Corporation, The: *See—*
  - Kohler, Herbert B., 4,863,087, Cl. 226-197.000.
- Kohler Company: *See—*
  - Bader, Mark S.; and Miller, Robert L., 4,838,908, Cl. 55-385.100.
  - Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., 4,849,590, Cl. 200-147.00R.
  - Freier, Donald P.; Steffen, Jack W.; and Kecman, Michael M., 4,829,632, Cl. 16-114.00R.
  - Freville, Robert; and Segor, Philip, 4,796,310, Cl. 4-199.000.
  - Gaffney, Thomas E.; and Wahlen, Patrick S., 4,823,409, Cl. 4-192.000.
  - Gaffney, Thomas E.; and Wahlen, Patrick S., 4,886,210, Cl. 239-193.000.
  - Grimstad, Ronald N.; and Daly, Michael F., 4,878,255, Cl. 4-236.000.
  - Heinrich, Martin W.; and Fischer, Donald R., 4,871,922, Cl. 290-1.00B.
  - Iqbal, Muhammad; and Buccicone, Dana F., 4,821,765, Cl. 137-270.000.
  - Iqbal, Muhammad, 4,874,006, Cl. 137-119.000.
- Kohler, Dieter: *See—*
  - Schnepp-Pesch, Wolfram; Lindenberg, Josef; and Kohler, Dieter, 4,817,631, Cl. 128-753.000.

Kohler, Donald, to Wilfried Pavel Maschinenbau. Control device on a packaging machine for single or multiple packaging of hanging articles of clothing. 4,878,336, 11-7-89, Cl. 53-500.000.

Kohler, Dora. Carrier device for immunological assay. 4,822,565, 4-18-89, Cl. 422-57.000.

Kohler General Corporation: *See—*

Rosenthal, Bruce C., 4,874,996, Cl. 318-567.000.

Rosenthal, Bruce C.; Zill, Kevin L.; Claerbaut, Kevin R.; Berglund, David M.; and Grover, Kenneth L., 4,878,524, Cl. 144-356.000.

Kohler, Gernot: *See—*

Nagele, Dieter; Kohler, Gernot; and Bittihn, Rainer, 4,816,359, Cl. 429-213.000.

Kohler, Helmut, to LuK Lamellen und Kupplungsbau GmbH. Friction clutch and method of making a diaphragm spring therefor. 4,828,092, 5-9-89, Cl. 192-89.00B.

Kohler, Herbert B., to Kohler Coating Machinery Corporation, The. Guide apparatus for elongated flexible web. 4,863,087, 9-5-89, Cl. 226-197.000.

Kohler, Joachim: *See—*

Greiche, Joussef; Hartmann, Peter; and Kohler, Joachim, 4,859,459, Cl. 424-71.000.

Hartmann, Peter; and Kohler, Joachim, 4,844,886, Cl. 424-62.000.

Kohler, Jurgen: *See—*

Kirkland, Joseph J.; and Kohler, Jurgen, 4,874,518, Cl. 210-502.100.

Knochel, Reinhard; and Kohler, Jurgen, 4,806,941, Cl. 343-700.0MS.

Kohler, Karl; and Reith, Dirk V., to Messerschmitt-Bolkow-Blohm GmbH. On-board water supply. 4,871,452, 10-3-89, Cl. 210-167.000.

Kohler, Karl-Ulrich: *See—*

Lax, Hermann; and Kohler, Karl-Ulrich, 4,819,840, Cl. 222-606.000.

Kohler, Lothar: *See—*

Egloff, Anton; Kohler, Lothar; and Bianchi, Franco, 4,807,670, Cl. 139-448.000.

Kohler, Manfred; Ohngemach, Jorg; Wehner, Gregor; and Gehlhaus, Jurgen, to Merck Patent Gesellschaft mit Beschrankter Haftung. Photoinitiators for photopolymerization of unsaturated systems. 4,861,916, 8-29-89, Cl. 568-337.000.

Kohler, Michael: *See—*

Rockel, Manfred; Wallis, Ernst; Kohler, Michael; Heubner, Ulrich; and Kirchheiner, Rolf, 4,876,065, Cl. 420-582.000.

Kohler, Norbert: *See—*

Zaitoun, Alain; and Kohler, Norbert, 4,842,071, Cl. 166-295.000.

Kohler, Rembert: *See—*

Wild, Georg; Kohler, Rembert; Weibelzahl, Manfred; Haushofer, Martin; and Messner, Johann, 4,837,671, Cl. 363-35.000.

Kohler, Richard E. Fire truck ladder support. 4,844,490, 7-4-89, Cl. 280-4.000.

Kohler, Rolf; Schmidt, Peter J.; and Schmitt, Manfred, to Robert Bosch GmbH. Method and apparatus for controlling the operating characteristic quantities of an internal combustion engine. 4,827,937, 5-9-89, Cl. 123-486.000.

Kohler, Rolf-Dieter: *See—*

Hagen, Helmut; Eichenauer, Ulrich; Kohler, Rolf-Dieter; Plath, Peter; Liese-Sauer, Thomas; Eicken, Karl; Wuerzer, Bruno; and Meyer, Norbert, 4,804,404, Cl. 71-94.000.

Hagen, Helmut; Kohler, Rolf-Dieter; and Dupuis, Jacques, 4,845,226, Cl. 546-180.000.

Plath, Peter; Eicken, Karl; Zeeh, Bernd; Eichenauer, Ulrich; Hagen, Helmut; Kohler, Rolf-Dieter; Meyer, Norbert; and Wuerzer, Bruno, 4,808,212, Cl. 71-94.000.

Plath, Peter; Eicken, Karl; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; Meyer, Norbert; and Wuerzer, Bruno, 4,832,731, Cl. 71-92.000.

Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, 4,857,103, Cl. 71-94.000.

Kohler, Rudolf: *See—*

Leitz, Hermann; Krayer, Erich; and Kohler, Rudolf, 4,875,564, Cl. 192-45.100.

Kohler, Saskia: *See—*

Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.

Kohler, Sigurd: *See—*

Loy, Helmut M.; Eich, Armin; and Kohler, Sigurd, 4,814,663, Cl. 313-39.000.

Kohler, Tilmann L. Fluid dispensing apparatus. 4,877,158, 10-31-89, Cl. 222-400.800.

Kohler, Tilo, to Miller, Richard L. Dry cleaning equipment utilizing perchlorethylene recovery process. 4,874,472, 10-17-89, Cl. 202-169.000.

Kohler, Uwe: *See—*

Mayer, Ernst; Geheeb, Norbert; and Kohler, Uwe, 4,876,996, Cl. 123-90.510.

Kohler, Wilfried: *See—*

Behre, Horst; Blnak, Heinz U.; Kohler, Wilfried; Muller, Nikolaus; and Schnegg, Peter, 4,859,372, Cl. 562-74.000.

Kohler, Winfried R.; Wagner, Herbert; and Fischer, Wolfgang, to Teroson GmbH. Process for molding and vulcanizing tires and other rubber articles. 4,863,650, 9-5-89, Cl. 264-39.000.

Kohlhase, Armin; Birkmaier, Georg; and Wienerroither, Friedrich, to Siemens Aktiengesellschaft. Apparatus for applying thin layers onto a substrate. 4,865,713, 9-12-89, Cl. 204-298.000.

Kohlhase, Webster, to Davidson Textron Inc. Pour hole closer, straight in type, for use with injection foam molding system. 4,873,032, 10-10-89, Cl. 264-39.000.

Kohlheb, Robert; and Rautenbach, Robert, to Amafilter Membrantechnik GmbH. Separator cell for pressure filtering and reverse osmosis. 4,861,476, 8-29-89, Cl. 210-321.760.

Kohlhepp, Frederick F.: *See—*

Ott, Bruce S.; Haus, Joseph; and Kohlhepp, Frederick F., 4,808,615, Cl. 514-89.000.

Kohli, Dilip; and Sandor, George N. Rotary linear actuator for use in robotic manipulators. 4,806,068, 2-21-89, Cl. 414-735.000.

Kohlpaintner, Georg; and Bienert, Horst, to Webasto AG Fahrzeugtechnik. Sliding and lifting roof for vehicles. 4,883,311, 11-28-89, Cl. 296-213.000.

Kohlstadt, Hans-Peter, to Henkel Kommanditgesellschaft auf Aktien. Low viscosity, pregelable rubber-based adhesives. 4,824,512, 4-25-89, Cl. 156-334.000.

Kohlstette, Werner; Schottler, Peter; and Siegmann, Friedhelm, to Westfalia Separator AG. Method of for producing citrus juices with low final percentages of pulp. 4,828,865, 5-9-89, Cl. 426-599.000.

Kohlstette, Werner: *See—*

Bruning, Paul; and Kohlstette, Werner, 4,810,374, Cl. 210-104.000.

Kohm, Thomas S., to Kollmorgen Corporation. Multilayer printed wiring boards. 4,804,575, 2-14-89, Cl. 428-209.000.

Kohmoto, Misao: *See—*

Izumi, Toshiaki; Noguchi, Kiyoshi; Shimizu, Hisae; and Kohmoto, Misao, 4,816,933, Cl. 360-55.000.

Kohmoto, Mitsuo; and Matsuo, Yohichi, to NEC Corporation. Air cooling equipment for electronic systems. 4,797,783, 1-10-89, Cl. 361-384.000.

Kohmoto, Osamu: *See—*

Yajima, Kohichi; Kohmoto, Osamu; and Yoneyama, Tetuhito, 4,836,868, Cl. 148-302.000.

Kohmura, Isao; Senga, Takao; Furukawa, Akira; Yamamoto, Hirokazu; Nakatani, Mamoru; and Yamada, Jun, to Mitsubishi Paper Mills, Ltd. Method of developing electronic photograph with liquid developer and cleaning excess thereof. 4,879,197, 11-7-89, Cl. 430-119.000.

Kohmura, Kisaburo; Nishi, Haruo; and Takagi, Masanari, to Nissen Corporation. Steam sterilizing apparatus. 4,830,278, 5-16-89, Cl. 99-468.000.

Kohmura, Yohji: *See—*

Yabuki, Kazuyuki; Kohmura, Yohji; Iwasaki, Mitsuo; and Yasuda, Hiroshi, 4,827,999, Cl. 152-451.000.

Kohn, Ellen: *See—*

Stober, Reinhard; Kohn, Ellen; and Bischoff, Dietmar, 4,822,851, Cl. 525-61.000.

Kohn, Erhard; and Hofmann, Karl R., to Siemens Corporate Research & Support, Inc. Modulation doped high electron mobility transistor with n-i-p-i structure. 4,855,797, 8-8-89, Cl. 357-22.000.

Kohn, Eva M.: *See—*

Schmidt, Manfred; Rupp, Walter; Schneider, Gerhart; and Kohn, Eva M., 4,842,776, Cl. 260-512.00C.

Kohn, Heinz-Gerhard: *See—*

Lehmann, Hans-Dieter; and Kohn, Heinz-Gerhard, 4,863,603, Cl. 210-489.000.

Kohn, Joachim; and Langer, Robert S., to Massachusetts Institute of Technology. Biocompatible, bioerodible, hydrophobic, implantable polyimino carbonate article. 4,806,621, 2-21-89, Cl. 528-211.000.

Kohn, Joachim B.; Langer, Robert S.; Niemi, Steven M.; and Fox, James G., to Massachusetts Institute of Technology. Biodegradable polymeric drug delivery system with adjuvant activity. 4,863,735, 9-5-89, Cl. 424-422.000.

Kohn, Rachel S., to Hoechst Celanese Corporation. Ultrathin polyimide polymer films and their preparation. 4,880,699, 11-14-89, Cl. 428-333.000.

Kohn, Robin J., to Henkels & McCoy, Inc. Apparatus for burying pipe under water. 4,844,658, 7-4-89, Cl. 405-159.000.

Kohne, Bernd: *See—*

Praefcke, Klaus; Kohne, Bernd; and Stephan, Werner, 4,877,220, Cl. 252-299.610.

Kohne, David E. Method for detection, identification and quantitation of non-viral organisms. 4,851,330, 7-25-89, Cl. 435-6.000.

Kohne, Hans: *See—*

Nandi, Kumaresh; Fischer, Helga; Herrmann, Wilfried; Kohne, Hans; Lahr, Wolfgang; Schmersahl, Hein U.; and Walch, Hatto, 4,855,300. Cl. 514-264.000.

Kohne, Maurice H.: *See—*

Ballinger, Forrest H.; and Kohne, Maurice H., 4,868,538, Cl. 340-933.000.

Kohnen, Friederun;. Cover for an open container, whose content is to be heated in a microwave oven. 4,797,523, 1-10-89, Cl. 219-10.55E.

Kohnen, Klaus; and Niermann, Hans, to Krupp-Koppers GmbH. Heat exchanger for gases under high pressure. 4,807,698, 2-28-89, Cl. 165-145.000.

Kohnen, Klaus; Niermann, Hans; and Pohl, Hans C., to Krupp Koppers GmbH. Arrangement for gasifying finely divided particularly solid fuel under high pressure. 4,818,252, 4-4-89, Cl. 48-67.000.

Kohnen, Klaus; Niermann, Hans; and Ullrich, Norbert, to Krupp-Koppers GmbH. Device for gasifying finely divided fuels under increased pressure. 4,818,253, 4-4-89, Cl. 48-67.000.

Kohnke, Ole B., to Ambu International A/S. Manikin for practicing artificial respiration. 4,801,268, 1-31-89, Cl. 434-265.000.

Kohno, Akiomi: *See—*

Yamada, Toshihiro; and Kohno, Akiomi, 4,871,107, Cl. 228-121.000.

Yamamoto, Akihiko; Kohno, Akiomi; Yamada, Toshihiri; Satou, Motohiro; Taguchi, Keiji; and Yokoi, Kazuaki, 4,854,495, Cl. 228-124.000.

Kohno, Akiyoshi; and Teranishi, Nobukazu, to NEC Corporation. Solid-state color imaging apparatus having color filters with corrected transmission characteristics. 4,845,548, 7-4-89, Cl. 358-47.000.

Kohno, Eiji: *See—*

Hamaguchi, Hiroshi; Ohshima, Tetsuji; Kohno, Eiji; Takaishi, Hideo; Mabuchi, Tsutomu; and Okawa, Katsumasa, 4,863,504, Cl. 71-92.000.

Kohno, Hideki: *See—*

Matsui, Shigeru; Onodera, Takashi; Sekihara, Kensuke; Shiono, Hidemi; and Kohno, Hideki, 4,797,616, Cl. 324-309.000.

Murakami, Yoshiki; Yamamoto, Etsuji; Yabusaki, Masao; and Kohno, Hideki, 4,875,013, Cl. 324-318.000.

Yabusaki, Masao; Yamamoto, Etsuji; Murakami, Yoshiki; and Kohno, Hideki, 4,825,163, Cl. 324-318.000.

Yamamoto, Etsuji; Ogura, Yukiko; and Kohno, Hideki, 4,853,636, Cl. 324-309.000.

Kohno, Hiroji; Moritani, Kohji; Sato, Toshiaki; Yamauchi, Junnosuke; and Okaya, Takuji, to Kuraray Co., Ltd. Polymer composition and textile sizing agent made therefrom. 4,835,198, 5-30-89, Cl. 524-47.000.

Kohno, Hiroji: *See—*

Tokumo, Masateru; Shirakawa, Kinichi; Koyakumaru, Takatoshi; Okaya, Takuji; Onishi, Hiroyuki; and Kohno, Hiroji, 4,824,696, Cl. 427-208.600.

Kohno, Hiroshige: *See—*

Takeda, Satoru; Hayashi, Toshihiro; and Kohno, Hiroshige, 4,854,843, Cl. 425-437.000.

Kohno, Junichi; Okauchi, Ken; Goto, Sohei; Iwagaki, Masaru; and Komamura, Tawara, to Konishiroku Photo Industry Co., Ltd. Thermally developable light-sensitive material containing a development restrainer compound. 4,837,141, 6-6-89, Cl. 430-559.000.

Kohno, Katsumi: *See—*

Aoki, Tokuei; Kudo, Junichiro; and Kohno, Katsumi, 4,798,767, Cl. 428-412.000.

Kohno, Kyoji: *See—*

Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.

Kohno, Masahiro; Obata, Akira; Kitamura, Takayuki; and Okazaki, Kakuma, to Japan Aircraft Mfg. Co., Ltd.; and Japan Aircraft Mfg., Co., Ltd. Spring apparatus. 4,856,765, 8-15-89, Cl. 267-166.000.

Kohno, Masami, to Ishida Scales Mfg. Co. Ltd. Combinatorial weighing apparatus. 4,858,708, 8-22-89, Cl. 177-25.180.

Kohno, Michio; Murakami, Eiichi; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Surface examining apparatus for detecting the presence of foreign particles on the surface. 4,795,911, 1-3-89, Cl. 250-572.000.

Kohno, Michio; Ina, Hideki; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Optical device capable of maintaining pupil imaging. 4,830,499, 5-16-89, Cl. 356-400.000.

Kohno, Michio; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Surface inspecting device for detecting the position of foreign matter on a substrate. 4,831,274, 5-16-89, Cl. 250-563.000.

Kohno, Michio; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Optical device having a variable geometry filter usable for aligning a mask or reticle with a wafer. 4,865,455, 9-12-89, Cl. 356-400.000.

Kohno, Michio: *See—*

Murakami, Eiichi; Kohno, Michio; and Suzuki, Akiyoshi, 4,886,975, Cl. 250-572.000.

Suzuki, Akiyoshi; and Kohno, Michio, 4,871,257, Cl. 356-400.000.

Kohno, Osamu: *See—*

Sugimoto, Mamoru; Kohno, Osamu; Ikeno, Yoshimitsu; Sadakata, Nobuyuki; Aoki, Shin'ya; and Nakagawa, Mikio, 4,885,273, Cl. 505-1.000.

Kohno, Satoru: *See—*

Ohsaka, Yohnosuke; and Kohno, Satoru, 4,864,040, Cl. 549-511.000.

Kohno, Teruhisa; and Hashida, Koichi, to Sumitomo Electric Industries, Ltd. Brake pressure control system. 4,834,469, 5-30-89, Cl. 303-119.000.

Kohno, Yoshiki: *See—*

Shinzawa, Akira; and Kohno, Yoshiki, 4,812,262, Cl. 252-567.000.

Kohno, Yoshio: *See—*

Yoneda, Masahiro; Hatanaka, Masahiro; Kohno, Yoshio; Satoh, Shinichi; Oda, Hidekazu; and Moriizumi, Koichi, 4,887,137, Cl. 357-23.600.

Kohno, Yuichiro; and Hara, Akio, to Sumitomo Electric Industries Ltd. Stick of composite materials and process for preparation thereof. 4,880,707, 11-14-89, Cl. 428-565.000.

Kohono, Akiomi: *See—*

Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, 4,872,606, Cl. 228-121.000.

Kohr, William J.: *See—*

Goeddel, David V.; Kohr, William J.; Pennica, Diane; and Vehar, Gordon A., 4,853,330, Cl. 435-226.000.

Kohri, Shumpei: *See—*

Watanabe, Kazuo; Kohri, Shumpei; and Araki, Shigeo, 4,802,128, Cl. 365-203.000.

Kohri, Toshitaro; and Machida, Junji, to Minolta Camera Kabushiki Kaisha. Binder type carrier. 4,868,082, 9-19-89, Cl. 430-106.600.

Kohri, Toshitaro: *See—*

Machida, Junji; Ohtani, Junji; Sano, Eiichi; Anno, Masahiro; Kohri, Toshitaro; Tanigami, Yukio; and Kobayashi, Makoto, 4,822,708, Cl. 430-106.600.

Ohtani, Junji; Sano, Eiichi; and Kohri, Toshitaro, 4,822,709, Cl. 430-106.600.

Sano, Eiichi; Ohtani, Junji; and Kohri, Toshitaro, 4,847,176, Cl. 430-106.600.

Kohsaka, Hideo; and Oue, Yoshihiko, to Sumitomo Chemical Company, Limited. Propargyl amide precursor to 1-propargyl-2,4-dioxoimidazolidine. 4,827,020, 5-2-89, Cl. 560-159.000.

Kohsaka, Hiroji: *See—*

Kojima, Mitoku; Kohsaka, Hiroji; and Matsui, Hisao, 4,814,143, Cl. 422-83.000.

Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, to Fujisawa Pharmaceutical Co., Ltd. Method of treating tumors using tetracyclo compounds. 4,861,774, 8-29-89, Cl. 514-299.500.

Kohsaka, Masanobu: *See—*

Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi, Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.

Okamoto, Masanori; Uchida, Itsuo; Umehara, Kazuyoshi; Kohsaka, Masanobu; and Imanaka, Hiroshi, 4,797,417, Cl. 514-473.000.

Kohsaka, Yohji: *See—*

Ouchi, Chiaki; Kohsaka, Yohji; Suenaga, Hiroyoshi; Sakuyama, Hideo; and Takatori, Hideo, 4,799,975, Cl. 148-12.70B.

Kohsaka, Yoshiaki, to Kabushiki Kaisha Toshiba. Motor speed control apparatus. 4,864,200, 9-5-89, Cl. 388-812.000.

Kohsaka, Yoshio: *See—*

Ishida, Katsuyuki; Torita, Fumio; and Kohsaka, Yoshio, 4,835,994, Cl. 68-174.000.

Ishida, Katsuyuki; Torita, Fumio; and Kohsaka, Yoshio, 4,837,883, Cl. 8-159.000.

Kohshin Seimitsu Kikai Kabushiki Gaisha: *See—*

Ando, Manabu, 4,876,974, Cl. 112-240.000.

Kohsiek, Cord H., to U.S. Philips Corp. Current-mirror arrangement. 4,812,734, 3-14-89, Cl. 323-312.000.

Kohtaroh, Fujita; Toshio, Wachi; and Hitomi, Nakano, to Sakai Chemical Industry Co., Ltd. Passivators used in catalytic cracking of hydrocarbons. 4,830,731, 5-16-89, Cl. 208-113.000.

Kohtoku, Yasuhiko; Kunisawa, Teturo; and Takahashi, Takuji, to Ube Industries, Ltd. Method for producing sialon powders. 4,812,298, 3-14-89, Cl. 423-327.000.

Kohtoku, Yasuhiko; and Nakayasu, Tetsuo, to UBE Industries, Ltd. Process for producing α-Sialon powder. 4,845,059, 7-4-89, Cl. 501-98.000.

Kohus, Louis M.; and Mariol, John V., to KohusMariol, Inc. Two piece booster seat with multiple seat heights. 4,798,412, 1-17-89, Cl. 297-250.000.

Kohus, Louis M.; Mariol, John V.; and Rice, David W., to Mariol, James F. Baby swing support assembly. 4,822,033, 4-18-89, Cl. 272-86.000.

Kohus, Louis M.; Mariol, John V.; and Saint, David, to Graco Metal Products Inc. Collapsible stroller with stowable tray. 4,856,809, 8-15-89, Cl. 280-644.000.

KohusMariol, Inc.: *See—*

Kohus, Louis M.; and Mariol, John V., 4,798,412, Cl. 297-250.000.

Kohut, James K.; and Tabor, Richard A., to Chrysler Motors Corporation. Fastener for cable strap. 4,795,116, 1-3-89, Cl. 248-73.000.

Kohut, Robert J.: *See—*

Ferren, Bran; Harrison, Charles F.; Hope, Clinton B.; and Kohut, Robert J., 4,827,387, Cl. 362-284.000.

Kohut, William, to H. C. Spinks Clay Company Inc. Clay slurry. 4,812,427, 3-14-89, Cl. 501-148.000.

Kohut, William, to H. C. Spinks Clay Company Inc. Process for preparing a clay slurry. 4,812,428, 3-14-89, Cl. 501-148.000.

Kohut, William, to H. C. Spinks Clay Company Inc. Ball clay slurry. 4,880,759, 11-14-89, Cl. 501-148.000.

Kohya, Hidehiko: *See—*

Shibata, Akihiro; Matsuda, Hideaki; Kohya, Hidehiko; and Katori, Tatsuhiko, 4,814,436, Cl. 536-17.100.

Kohyama, Masaki; Muranaka, Takeshi; Fukui, Kunisuke; and Kashiwa, Norio, to Mitsui Petrochemical Industries, Ltd. Random 1-butene copolymer. 4,801,672, 1-31-89, Cl. 526-348.200.

Kohyama, Mitsuaki; Yoshida, Naruhito; and Takagi, Osamu, to Kabushiki Kaisha Toshiba. Developing apparatus having one-component developing agent. 4,836,135, 6-6-89, Cl. 118-653.000.

Kohyama, Mitsuaki, to Kabushiki Kaisha Toshiba. Recording apparatus and method. 4,841,335, 6-20-89, Cl. 355-245.000.

Kohzaki, Masao: *See—*

Kawasumi, Masaya; Kohzaki, Masao; Kojima, Yoshitsugu; Okada, Akane; and Kamigaito, Osami, 4,810,734, Cl. 523-216.000.

Kohzu, Hideaki: *See—*

Itoh, Tadatsugu; Kohzu, Hideaki; and Hosono, Yasuhiro, 4,823,174, Cl. 357-34.000.

Kohzu, Kazuya: *See—*

Uchida, Shinya; Kohzu, Kazuya; Fujii, Kiyoshi; and Kawakami, Moriatsu, 4,881,268, Cl. 382-7.000.

Koibuchi, Shigeru; Isobe, Asao; Makino, Daisuke; and Takeda, Yutaka, to Hitachi Chemical Company Ltd.; and Hitachi, Ltd. Process for

producing a pattern with negative-type photosensitive composition. 4,801,519, 1-31-89, Cl. 430-331.000.
Koichi, Igarashi: *See—*
Yoshio, Taniyama; Koichi, Igarashi; and Ryuji, Marumoto, 4,849,350, Cl. 435-68.000.
Koichi, Watanabe: *See—*
Taisuke, Irie; Junichi, Kotegawa; Koichi, Watanabe; and Satoshi, Hukuda, 4,835,066, Cl. 428-659.000.
Koichi, Yasushi; Mizuishi, Haruzi; Funaki, Mutuko; and Fujioka, Tetsuya, to Ricoh Company, Ltd. Corona wire cleaning device utilizing a position detection system. 4,885,466, 12-5-89, Cl. 250-324.000.
Koichi, Yasushi: *See—*
Satoh, Tsumori; and Koichi, Yasushi, 4,885,612, Cl. 355-305.000.
Koide, Akio: *See—*
Hanyu, Susumu; and Koide, Akio, 4,862,816, Cl. 112-456.000.
Sano, Yasuro; Koide, Akio; Hyodo, Toru; Kobayashi, Fumihiko; Kawasato, Takayuki; and Osanai, Yasuhiko, 4,878,444, Cl. 112-264.100.
Koide, Kiichiro: *See—*
Murakami, Shoji; Koide, Kiichiro; Inoue, Kyoichi; Hiranuma, Satoshi; and Osada, Toshihiko, 4,831,466, Cl. 360-67.000.
Koide, Makoto. Method of making squeezing roll and squeezing equipment. 4,866,826, 9-19-89, Cl. 29-148.40D.
Koide, Mitsuo: *See—*
Ishiguro, Yasuo; Kato, Yoshito; Takeda, Fumiaki; Koide, Mitsuo; Kuno, Toshitaka, and Nakano, Masaru, 4,831,316, Cl. 318-568.130.
Koide, Shigeyuki: *See—*
Nakamura, Katsumi; Koide, Shigeyuki; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,796, Cl. 29-214.000.
Koide, Takeharu: *See—*
Katayama, Nobuaki; Sasaki, Kan; Koide, Takeharu; and Takimura, Keisuke, 4,802,383, Cl. 74-711.000.
Koide, Tetsuya: *See—*
Yoshida, Shigeo; Kitagawa, Satoshi; Harada, Shozo; Koide, Tetsuya; and Hasegawa, Manabu, 4,797,319, Cl. 428-312.400.
Koide, Tohru: *See—*
Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.
Koide, Toru: *See—*
Nakahara, Shuichi; Koide, Toru; Kaimori, Michinobu; Kitamura, Kenji; and Matsumoto, Satoshi, 4,843,670, Cl. 8-151.000.
Koide, Toshikazu; Ida, Shuichiro; Yoshinaka, Toshio; Nagano, Shuji; and Haga, Shoji, to Toyota Jidosha Kabushiki Kaisha. Electric control apparatus for transfer device in part-time four-wheel drive vehicle. 4,854,414, 8-8-89, Cl. 180-249.000.
Koik, Victor E.: *See—*
Carpentier, Alain; Koik, Victor E.; and Lane, Ernest, 4,865,600, Cl. 623-2.000.
Koike, Akiharu: *See—*
Sasaki, Hiromitsu; Kitamura, Fumio; and Koike, Akiharu, 4,848,684, Cl. 242-1.000.
Koike, Akio: *See—*
Koshimura, Katsumi; and Koike, Akio, 4,860,369, Cl. 381-188.000.
Koike, Atsushi: *See—*
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,797,299, Cl. 430-65.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,797,336, Cl. 430-57.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,798,776, Cl. 430-39.000.
Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,808,504, Cl. 430-31.000.
Honda, Mitsuru; Murai, Keiichi; Ogawa, Kyosuke; and Koike, Atsushi, 4,834,501, Cl. 350-321.000.
Koike, Atsuyoshi; Ikeda, Shuji; and Nagasawa, Kouichi, to Hitachi, Ltd. Semiconductor device sram to prevent out-diffusion. 4,803.534, 2-7-89, Cl. 357-71.000.
Koike, Eiji: *See—*
Sasaki, Migaku; Koike, Eiji; Ohtomo, Toshio; and Hirose, Jun, 4,796,605, Cl. 600-22.000.
Koike, Eishi, to Ozen Corporation. Pull string mechanism in a pull string type sound reproducing device. 4,800,305, 1-24-89, Cl. 369-67.000.
Koike, Eishi, to Ozen Corporation. Device for measuring the speed of a moving object. 4,801,880, 1-31-89, Cl. 324-178.000.
Koike, Eishi; and Nozawa, Kazumi, to Ozen Corporation. Phonograph for a record disk having a plurality of sound grooves. 4,811,322, 3-7-89, Cl. 369-65.000.
Koike, Eishi, to Ozen Corporation. Simplified sound reproducing device capable of reproducing a plurality of record discs. 4,823,332, 4-18-89, Cl. 369-63.000.
Koike, Eishi, to Ozen Corporation. Simplified sound reproducing device having a means for preventing collision between a reproducing stylus and a record disc. 4,827,465, 5-2-89, Cl. 369-67.000.
Koike, Eishi, to Ozen Corporation. Index carrier for indexing and reproducing a plurality of record discs and a simplified sound reproducing device incorporating thereof. 4,862,444, 8-29-89, Cl. 369-67.000.
Koike, Eishi; and Yusa, Yasuhiko, to Ozen Corporation. Sound reproducing device for playing a record disc having a plurality of recorded grooves. 4,876,678, 10-24-89, Cl. 369-31.000.
Koike, Fuji, to Loyal Kogyo Kabushiki Kaisha. Device to be used as spool for knitting yarn and also as weight for giving tension thereto. 4,832,282, 5-23-89, Cl. 242-129.720.
Koike, Funio: *See—*
Hamakawa, Yoshihiro; Koike, Funio; and Miyagishi, Tetsuya, 4,820,915, Cl. 250-211.00J.
Koike, Hidemi: *See—*
Sakudo, Noriyuki; Tokiguchi, Katsumi; Koike, Hidemi; Okada, Osami; Saito, Norio; and Ozasa, Susumu, 4,801,847, Cl. 315-5.410.
Koike, Hideo, to A. O. Smith Corporation. Gauge for monitoring the dimensions of a structural member. 4,805,309, 2-21-89, Cl. 33-147.00L.
Koike, Hirofumi; Endo, Yukio; and Mitsuhashi, Tadashi, to Citizen Watch Co., Ltd. Optical scanner. 4,856,858, 8-15-89, Cl. 350-6.600.
Koike, Hitoshi, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Catalyst basket for denitration for use in an exhaust gas passage. 4,879,099, 11-7-89, Cl. 422-177.000.
Koike, Keiji: *See—*
Ogawa, Yasuo; Noji, Nobuharu; and Koike, Keiji, 4.843,837, Cl. 62-324.100.
Koike, Kengo: *See—*
Yoshida, Hiroshi; Shimano, Shizuo; Mochizuki, Seiji; Koike, Kengo; Nakagawa, Taizo; and Konishi, Kenji, 4,804,762, Cl. 514-336.000.
Koike, Kihachiro: *See—*
Yoshimura, Yoshikazu; and Koike, Kihachiro, 4,838,810, Cl. 439-358.000.
Yoshimura, Yoshikazu; and Koike, Kihachiro, 4,838,812, Cl. 439-610.000.
Koike, Kiyokazu, to Nippon Seiko Kabushiki Kaisha. Webbing retractor. 4,809,926, 3-7-89, Cl. 242-107.40B.
Koike, Kiyokazu, to Nippon Seiko Kabushiki Kaisha. Retractor permitting forcible lock release. 4,830,309, 5-16-89, Cl. 242-107.40A.
Koike, Kiyoshi; Fujita, Takuo; and Morita, Rikushi, to Hamamatsu Photonics Kabushiki Kaisha. Apparatus for measuring density of vertebrae or the like. 4,845,747, 7-4-89, Cl. 378-208.000.
Koike, Kiyoshi; Tsuchiya, Hiroshi; and Hayakawa, Tsuyoshi, to Hamamatsu Photonics Kabushiki Kaisha. Radiation dose measuring method and apparatus with nuclide discrimination function. 4,862,004, 8-29-89, Cl. 250-369.000.
Koike, Masaaki: *See—*
Yoshida, Junichi; Sugano, Shinichi; and Koike, Masaaki, 4,887,188, Cl. 361-413.000.
Koike, Masahiro; Takahashi, Fuminobu; Ogura, Satoshi; and Yamada, Izumi, to Hitachi, Ltd. Picture display apparatus. 4,831,598, 5-16-89, Cl. 367-7.000.
Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, to Canon Kabushiki Kaisha. Image forming apparatus. 4,799,084, 1-17-89, Cl. 355-14.0SH.
Koike, Michiro: *See—*
Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-7.000.
Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.
Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.
Koike, Mitsumaro: *See—*
Uchiyama, Futoshi; Tsukamoto, Koichi; Kurashige, Tomoyoshi; Furusawa, Kaoru; and Koike, Mitsumaro, 4,836,417, Cl. 222-63.000.
Koike, Mitsuru; and Kawamura, Koichi, to Fuji Photo Film Co., Ltd. Photopolymerizable composition. 4,810,618, 3-7-89, Cl. 430-281.000.
Koike, Mitsuru: *See—*
Seko, Kiyoshi; Soe, Kazuhiko; Koike, Mitsuru; and Iida, Yoshitaka, 4,833,884, Cl. 60-567.000.
Koike, Naomasa: *See—*
Hiraishi, Shigetoshi; Koike, Naomasa; Kondo, Kazuyoshi; and Fuchigami, Mitsuru, 4,874,740, Cl. 503-201.000.
Kosaka, Takao; Miyauchi, Masahiro; Koike, Naomasa; and Higuchi, Masahiro, 4,889,841, Cl. 503-209.000.
Koike, Norio, to Kabushiki Kaisha Toshiba. Method for forming light absorbing pattern using photoresist composition on phosphor screens of color picture tubes wherein composition includes azide compound and diazo formaldehyde phosphate. 4,857,428, 8-15-89, Cl. 430-25.000.
Koike, Norio: *See—*
Akimoto, Hajime; Ando, Harushisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, 4,814,848, Cl. 357-24.000.
Ando, Haruhisa; Nakai, Masaaki; Ono, Hideyuki; Ozaki, Toshifumi; Ohba, Shinya; and Koike, Norio, 4,862,487, Cl. 377-58.000.
Koike Sanso Kogyo Co.: *See—*
Nakano, Etsuo; Furujo, Akira; and Iizuka, Tetsuya, 4,803,405, Cl. 315-111.210.
Koike, Satoshi: *See—*
Nanba, Sinzi; Mizuno, Toru; Koike, Satoshi; and Goto, Tukasa, 4,832,427, Cl. 350-3.720.
Koike, Shinji: *See—*
Yamazawa, Yasushi; Kondo, Katsumi; Tsuchiya, Yasuhiro; Koike, Shinji; and Terada, Masaki, 4,821,598, Cl. 74-552.000.

Koike, Shiro: *See—*
Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi; Gotoh, Tetsuya; and Horiguchi, Shiro, 4,839,005, Cl. 204-129.460.
Koike, Shoji; Iwata, Kazuo; and Tomida, Yasuko, to Canon Kabushiki Kaisha. Ink for use in ink jet and ink jet printing method using the same. 4,849,770, 7-18-89, Cl. 346-1.100.
Koike, Shoji; and Tomida, Yasuko, to Canon Kabushiki Kaisha. Ink for ink-jet recording and ink-jet recording process using the same. 4,853,036, 8-1-89, Cl. 106-20.000.
Koike, Shoji: *See—*
Tomida, Yasuko; and Koike, Shoji, 4,838,938, Cl. 106-22.000.
Koike, Shunji: *See—*
Itaya, Hisao; Okada, Toshihiko; Hata, Morishige; Koike, Shunji; and Onishi, Takahiro, 4,853,776, Cl. 358-106.000.
Koike, Tadashi: *See—*
Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, 4,859,569, Cl. 430-270.000.
Koike, Takashi; and Taguchi, Michihiro, to Sanshin Kogyo Kabushiki Kaisha. Trim angle control device for marine propulsion motors. 4,813,896, 3-21-89, Cl. 440-61.000.
Koike, Takashi, to Sanshin Kogyo Kabushiki Kaisha. Shift assisting device for marine propulsion unit. 4,843,914, 7-4-89, Cl. 74-858.000.
Koike, Takashi, to Sanshin Kogyo Kabushiki Kaisha. Inclination detector adjusting device for vessel propulsion unit. 4,855,733, 8-8-89, Cl. 340-870.190.
Koike, Takashi, to Sanshin Kogyo Kabushiki Kaisha. Marine engine protection device. 4,861,291, 8-29-89, Cl. 440-1.000.
Koike, Takashi, to Sanshin Kogyo Kabushiki Kaisha. Trim angle sensor for marine propulsion device. 4,865,568, 9-12-89, Cl. 440-2.000.
Koike, Tetsuya: *See—*
Inagaki, Hiromi; Matsuura, Kazuo; Koike, Tetsuya; Suenaga, Toshihiko; Yorita, Masaru; and Izawa, Masaki, 4,811,933, Cl. 267-140.100.
Koike, Toshifumi: *See—*
Tokisue, Hiromitsu; Tsumaki, Nobuo; and Koike, Toshifumi, 4,874,273, Cl. 406-88.000.
Koike, Yoshiharu: *See—*
Endo, Juro; Murakami, Shiro; Takada, Yukiharu; and Koike, Yoshiharu, 4,835,640, Cl. 360-103.000.
Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Morishima, Hajime; and Matsuyama, Kenji, to Banyu Pharmaceutical Co., Ltd. 5-substituted amino-4-hydroxy-pentanoic acid derivatives and their use. 4,851,387, 7-25-89, Cl. 514-17.000.
Koike, Yuzuru; and Tsukimura, Kiyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Fuel supply control method for internal combustion engines. 4,819,604, 4-11-89, Cl. 123-492.000.
Koike, Yuzuru: *See—*
Noguchi, Kunio; Koike, Yuzuru; and Toshimits, Kazushige, 4,877,006, Cl. 123-589.000.
Koine, Richard, to Rheinmetall GmbH. Externally driven automatic weapon. 4,796,512, 1-10-89, Cl. 89-11.000.
Koinuma, Hiroyuki: *See—*
Kiryu, Masakazu; Koinuma, Hiroyuki; and Suzuki, Kiminobu, 4,833,342, Cl. 307-296.100.
Koinuma, Toshiaki: *See—*
Atsuta, Toshikatsu; Hirotaka, Shiroshita; Shinzawa, Fumio; Matsuo, Eiki; and Koinuma, Toshiaki, 4,834,514, Cl. 350-429.000.
Koinuma, Yasumi: *See—*
Murata, Yoshishige; Koinuma, Yasumi; Amaya, Naoyuki; Otsu, Takayuki; and Nisimura, Masafumi, 4,855,374, Cl. 526-261.000.
Koishi, Keiji, to NEC Corporation. Dynamic semiconductor memory with improved sensing scheme. 4,811,302, 3-7-89, Cl. 365-222.000.
Koishi, Kenji; and Matsuo, Tamotsu, to Matsushita Electric Industrial Co., Ltd. Optical recording and reproducing apparatus with abnormality detector. 4,800,548, 1-24-89, Cl. 369-54.000.
Koishi, Kenji; Kubota, Shinji; and Ishibashi, Kenzo, to Matsushita Electric Industrial Co., Ltd. Semiconductor laser control circuit. 4,845,720, 7-4-89, Cl. 372-31.000.
Koishi, Masumi; Sawada, Manabu; Igarashi, Nobuyuki; and Arikawa, Akira, to Toyo Ink Manufacturing Co., Ltd. Toner for electrophotography. 4,835,082, 5-30-89, Cl. 430-109.000.
Koishi, Masumi: *See—*
Ito, Takeo; Takeuchi, Hajime; Hashimoto, Minoru; Fukaya, Toshio; and Koishi, Masumi, 4,880,666, Cl. 427-128.000.
Koishi, Musubu; Mizushima, Yoshihiko; and Kan, Hirofumi, to Hamamatsu Photonics Kabushiki Kaisha. Ultrafast continuous imaging apparatus. 4,875,093, 10-17-89, Cl. 358-83.000.
Koishi, Musubu: *See—*
Kinoshita, Katsuyuki; Koishi, Musubu; and Tsuchiya, Yutaka, 4,801,796, Cl. 250-213.0VT.
Mizushima, Yoshihiko; Tsuchiya, Yutaka; Koishi, Musubu; and Takeshima, Akira, 4,827,317, Cl. 356-73.100.
Koishi, Tetsuo: *See—*
Tanigawa, Motoshi; Dohi, Hidehiko; Nishimura, Takashi; Ichikawa, Kouji; and Koishi, Tetsuo, 4,877,071, Cl. 152-165.000.
Koishi, Toshio: *See—*
Imai, Yoshio; Kakimoto, Masaaki; Maruyama, Yutaka; and Koishi, Toshio, 4,806,618, Cl. 528-125.000.
Maeda, Kazuhiko; and Koishi, Toshio, 4,835,048, Cl. 428-323.000.
Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, 4,861,835, Cl. 525-200.000.
Teshima, Shinichi; Katsuta, Shigeki; Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, 4,842,369, Cl. 350-96.340.
Koiso, Junichi; Hashimoto, Takayoshi; and Shida, Toshio, to Konishiroku Photo Industry Company Ltd. Toner collecting device. 4,819,578, 4-11-89, Cl. 118-652.000.
Koiso, Takashi; and Fujii, Satoshi, to Sumitomo Electric Industries, Ltd. Surface treatment method for improving corrosion resistance of ferrous sintered parts. 4,799,970, 1-24-89, Cl. 148-6.200.
Koistinen, Pauli A. T.; and Tolonen, Seppo T., to A. Ahlstrom Corporation. Method for coating a pump impeller. 4,817,856, 4-4-89, Cl. 228-176.000.
Koitabashi, Noribumi: *See—*
Nakamura, Shunji; Hirabayashi, Hiromitsu; Araya, Junji; and Koitabashi, Noribumi, 4,851,960, Cl. 361-225.000.
Koitabashi, Takatoshi, to Sanden Corporation. Electromagnetic clutch. 4,804,075, 2-14-89, Cl. 192-84.00C.
Koitabashi, Takeshi: *See—*
Shirai, Isamu; Ujiie, Susumu; and Koitabashi, Takeshi, 4,819,778, Cl. 192-84.00T.
Koitabashi, Toshimitsu: *See—*
Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo; and Takada, Yoshiyasu, 4,874,427, Cl. 75-26.000.
Koito Manufacturing Co., Ltd.: *See—*
Arima, Yoshiharu, 4,849,861, Cl. 362-61.000.
Kobayashi, Syoji, 4,868,723, Cl. 362-80.000.
Komatsu, Haruo; and Yamada, Atsushi, 4,811,179, Cl. 362-256.000.
Kondo, Hiroyuki; Harada, Tadashi; and Uchida, Kihachiro, 4,871,331, Cl. 439-736.000.
Machida, Tsutomu; Mochizuki, Toshiyasu; and Sasaki, Masaru, 4,862,330, Cl. 362-61.000.
Matsumura, Naoki; and Mochizuki, Toshiyasu, 4,845,600, Cl. 362-80.000.
Mochizuki, Hideharu; and Toki, Junji, 4,843,531, Cl. 362-421.000.
Okuma, Shigeki; and Hagiwara, Masato, 4,811,903, Cl. 239-284.200.
Sakagawa, Hiroaki; and Satsukawa, Hideaki, 4,868,725, Cl. 362-231.000.
Shibata, Hiroki; Toda, Atsushi; Takahashi, Kazuki; and Wada, Kiyoshi, 4,860,601, Cl. 73-865.800.
Shinoda, Takahisa, 4,868,486, Cl. 323-324.000.
Sugasawa, Masatoshi; and Okuma, Shigeki, 4,817,648, Cl. 134-57.00R.
Yamada, Atsushi; and Hagiwara, Masaki 4,816,968, Cl. 362-80.000.
Koito Seisakusho Co., Ltd.: *See—*
Fujino, Yuuji; and Endoh, Masayasu, 4,831,502, Cl. 362-61.000.
Hirozumi, Yasuo; Kanematsu, Susumu; Numajiri, Yasuyoshi; Watanabe, Mikio; and Okano, Mitsuhiro, 4,879,491, Cl. 313-318.000.
Kanematsu, Susumu; and Ishii, Kenji, 4,812,703, Cl. 313-318.000.
Komatsu, Haruo; and Suzuki, Takashi, 4,878,391, Cl. 74-89.200.
Miyauchi, Shizuya; and Wada, Kiyoshi, 4,833,573, Cl. 362-71.000.
Miyauchi, Shizuya; and Wada, Kiyoshi, 4,868,720, Cl. 362-69.000.
Miyauchi, Shizuya; and Wada, Kiyoshi, 4,875,141, Cl. 362-61.000.
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Miyazawa, Kenji, 4,831,506, Cl. 362-284.000.
Nakamura, Yasuhiro, 4,843,523, Cl. 362-69.000.
Nino, Naohi, 4,851,968, Cl. 362-61.000.
Nino, Naohi, 4,862,329, Cl. 362-61.000.
Nino, Naohi, 4,885,669, Cl. 362-346.000.
Ohishi, Kazutami, 4,839,785, Cl. 362-418.000.
Ohishi, Kazutami, 4,841,419, Cl. 362-226.000.
Ohshio, Hirohiko; Makita, Horoyuki; Nagasawa, Hidehiko; Kurosawa, Yoshiki; and Koyanagi, Yoshinobu, 4,862,337, Cl. 362-294.000.
Okamoto, Noboru; and Shida, Hiroshi, 4,831,501, Cl. 362-61.000.
Okano, Mitsuhiro, 4,864,183, Cl. 313-318.000.
Otaka, Nobuo, 4,855,877, Cl. 362-61.000.
Watanabe, Saburo, 4,857,794, Cl. 313-113.000.
Watanabe, Shinji; and Saijo, Akira, 4,845,598, Cl. 362-61.000.
Watanabe, Shinji; and Saijo, Akira, 4,881,152, Cl. 362-61.000.
Koivukangas, John P.; and Noponen, Seppo V. Adapter for brain surgery. 4,834,089, 5-30-89, Cl. 128-303.00R.
Koivukunnas, Pekka: *See—*
Westergard, Sivert; and Koivukunnas, Pekka, 4,858,553, Cl. 118-126.000.
Koiwai, Hideshi; and Sekikawa, Keiji, to Kayaba Industry Co. Ltd. Control valve for construction equipment. 4,858,651, 8-22-89, Cl. 137-869.000.
Koizumi, Akira: *See—*
Ichikawa, Yoshiaki; Senoh, Makoto; Tsuchita, Kenji; Koizumi, Akira; and Iwama, Kunihiko, 4,824,633, Cl. 376-268.000.
Koizumi, Haruyuki; Sato, Hideki; Hashizume, Shinichi; and Omae, Koichi, to Omron Tateisi Electronics Co. Coordinate inputting system with provision for erroneous input detection. 4,819,194, 4-4-89, Cl. 364-556.000.
Koizumi, Haruyuki: *See—*
Sato, Hideki; Koizumi, Haruyuki; Hashizume, Shinichi; and Omae, Koichi, 4,801,767, Cl. 178-18.000.
Koizumi, Hideaki: *See—*
Maeda, Akira; Sano, Koichi; Yokoyama, Tetsuo; Koizumi, Hideaki; and Mizuno, Hirotaka, 4,875,012, Cl. 324-309.000.
Sano, Koichi; Sato, Shinichi; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,803,431, Cl. 324-306.000.
Sano, Koichi; Yokoyama, Tetsuo; Takeda, Ryuzaburo; Ozawa, Yasuhiko; Sato, Shinichi; and Koizumi, Hideaki, 4,844,077, Cl. 128-653.000.
Sano, Koichi; Yamagata, Shimbu; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,870,362, Cl. 324-312.000.

Takeda, Ryuzaburo; Koizumi, Hideaki; and Ishizuka, Toshihiro, 4,814,709, Cl. 324-309.000.
Takeda, Ryuzaburo; Koizumi, Hideaki; and Miyamoto, Yoshiyuki, 4,889,127, Cl. 128-653.000.
Koizumi, Hideharu: *See—*
Okuma, Kuniaki; Maezawa, Ikuo; Koizumi, Hideharu; Tanaka, Masato; and Kida, Hironobu, 4,832,176, Cl. 198-418.100.
Koizumi, Hiroyasu: *See—*
Suzuki, Masaomi; and Koizumi, Hiroyasu, 4,871,894, Cl. 219-93.000.
Koizumi, Hisao; and Oishi, Yoshihisa, to Kabushiki Kaisha Toshiba. Storage type electric water heater having a closed circulation loop provided with a bubble pump. 4,818,845, 4-4-89, Cl. 219-314.000.
Koizumi, Junji: *See—*
Kitamura, Shiro; Koizumi, Junji; and Yamada, Kiyoshi, 4,816,670, Cl. 250-227.000.
Koizumi, Katsuyuki: *See—*
Suwa, Hisashi; Sato, Seiji; Matsubara, Susumu; Yano, Eiji; and Koizumi, Katsuyuki, 4,853,804, Cl. 360-85.000.
Koizumi, Kikuo: *See—*
Kubota, Misao; Sugai, Osamu; Goto, Tetsuo; Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, 4,830,747, Cl. 210-203.000.
Koizumi, Kiyoshi: *See—*
Maeyama, Takuzo; Nii, Kenichi; Shimojo, Shigeru; Iwamoto, Keiichi; Torichigai, Masaaki; and Koizumi, Kiyoshi, 4,879,973, Cl. 122-379.000.
Okabe, Yoshimi; Iwamoto, Keiichi; Torichigai, Masaaki; Kaneko, Shozo; Ichinari, Joji; and Koizumi, Kiyoshi, 4,872,347, Cl. 73-634.000.
Koizumi, Masaaki: *See—*
Shindo, Takuji; Naito, Hiromitsu; Kondo, Masayoshi; Fukuyama, Takashi; Koizumi, Masaaki; and Fukada, Nobuo, 4,886,559, Cl. 148-421.000.
Koizumi, Masaru: *See—*
Uzuda, Tetsuji; Kuramoto, Takashi; Onga, Takeo; Suzuki, Teruo; Koizumi, Masaru; and Kondo, Takeo, 4,882,622, Cl. 358-80.000.
Koizumi, Michio: *See—*
Kunita, Masao; Koizumi, Michio; and Ohsawa, Seiichi, 4,852,480, Cl. 101-93.050.
Koizumi, Minoru; Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Kasashima, Hirokazu; and Nakai, Kozo, to Hitachi, Ltd. Method and apparatus for loading programs in a distributed processing system. 4,888,683, 12-19-89, Cl. 364-200.000.
Koizumi, Minoru: *See—*
Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Koizumi, Minoru; Kasajima, Hirokazu; and Nakai, Kozou, 4,803,683, Cl. 371-19.000.
Orimo, Masayuki; Mori, Kinji; Suzuki, Yasuo; Koizumi, Minoru; Kawano, Katsumi; Kasajima, Hirokazu; and Nakai, Kozo, 4,797,885, Cl. 371-19.000.
Wachi, Isao; Mori, Kinji; Suzuki, Yasuo; Orimo, Masayuki; Kawano, Katsumi; Koizumi, Minoru; Nakai, Kozo; and Kasashima, Hirokazu, 4,837,762, Cl. 370-89.000.
Koizumi, Mitsuyoshi; and Ohshima, Yoshimasa, to Hitachi, Ltd. Detection of surface particles by dual semiconductor lasers having stable illumination intensities. 4,814,596, 3-21-89, Cl. 250-205.000.
Koizumi, Noboru; and Yamazaki, Kazuya, to Matsushita Electric Industrial Co., Ltd. Permanent magnet type demagnetizing head. 4,882,559, 11-21-89, Cl. 335-284.000.
Koizumi, Norihiko: *See—*
Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko. 4,881,084, Cl. 346-1.100.
Kan, Fumitaka, deceased; Koizumi, Norihiko; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; Mishina, Shinya; and Tanioka, Hiroshi, 4,855,763, Cl. 346-160.100.
Koizumi, Norimichi: *See—*
Tomita, Kenichi; Suetsugu, Masaru; Fukuda, Minoru; Higashi, Takao; and Koizumi, Norimichi, 4,829,187, Cl. 250-474.100.
Koizumi, Osamu: *See—*
Chamberlin, Davis W.; Leonard, Vurnen J.; and Koizumi, Osamu, 4,879,621, Cl. 360-133.000.
Koizumi, Sachio; and Ichihara, Terutoshi, to Hitachi, Ltd.; and Hitachi Nisshin Electronics Co., Ltd. Method of producing dark heater. 4,844,942, 7-4-89, Cl. 427-111.000.
Koizumi, Sachio: *See—*
Takakura, Hiroshi; and Koizumi, Sachio, 4,886,995, Cl. 313-344.000.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, to Sharp Kabushiki Kaisha. Tape recorder mode selector device for plural cassette tapes. 4,797,759, 1-10-89, Cl. 360-92.000.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, to Sharp Kabushiki Kaisha. Tape recorder including device to prevent improper operation of recording operation. 4,807,058, 2-21-89, Cl. 360-60.000.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, to Sharp Kabushiki Kaisha. Tape cassette loading device. 4,809,098, 2-28-89, Cl. 360-92.000.
Koizumi, Satoru, to Sharp Kabushiki Kaisha. Two stage reel mechanism for tape recorder. 4,815,675, 3-28-89, Cl. 242-194.000.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, to Sharp Kabushiki Kaisha. Automatic cassette tape recorder stop mechanism for use with a plurality of tapes. 4,843,492, 6-27-89, Cl. 360-74.100.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, to Sharp Kabushiki Kaisha. Cassette tape recorder for multiple cassette tapes. 4,879,613, 11-7-89, Cl. 360-92.000.
Koizumi, Shigeru: *See—*
Nagata, Teruhide; and Koizumi, Shigeru, 4,869,548, Cl. 296-221.000.
Koizumi, Shinsaku, to Kabushiki Kaisha Kawai Gakki Seisakusho. Action-supporting arrangement in piano. 4,821,618, 4-18-89, Cl. 84-250.000.
Koizumi, Tadashi; Yokota, Seiji; Matsumura, Shigeo; and Inoue, Yoshiaki, to Neturen Company Limited. Apparatus for producing superfine particle. 4,881,722, 11-21-89, Cl. 266-176.000.
Koizumi, Takaaki: *See—*
Osawa, Kenji; Muramoto, Shiyouichi; Watanabe, Yoshio; Kawahara, Takanori; and Koizumi, Takaaki, 4,804,574, Cl. 428-209.000.
Koizumi, Takashi: *See—*
Kido, Keishiro; Saito, Yoshio; Koizumi, Takashi; and Seshimoto, Osamu, 4,801,434, Cl. 422-100.000.
Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, 4,797,193, Cl. 204-416.000.
Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, 4,832,817, Cl. 204-401.000.
Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, 4,882,544, Cl. 324-511.000.
Koizumi, Takehiro; and Matsuzawa, Hideo, to Shell Oil Company. Lubricating grease. 4,802,999, 2-7-89, Cl. 252-18.000.
Koizumi, Tasuko: *See—*
Iwasaki, Yoshiki; Satoh, Shizuyoshi; Urushibata, Kenichi; Koizumi, Tasuko; Tago, Noriyuki; and Muta, Fusao, 4,864,318, Cl. 343-720.000.
Koizumi, Tatsuya: *See—*
Onodera, Kagetoshi; Koizumi, Tatsuya; Kato, Toshiyuki; Sotani, Junji; Momo, Masauki; and Furuya, Shuichi, 4,873,127, Cl. 427-376.800.
Sotani, Junji; Koizumi, Tatsuya; Endo, Shiro; Mashino, Nobuyoshi; and Seo, Susumu, 4,803,343, Cl. 219-326.000.
Koizumi, Tetsuro; and Kamei, Masato, to Kamei Machine Project Co., Ltd. Wire winding machine for stator cores. 4,836,461, 6-6-89, Cl. 242-1.10R.
Koizumi, Tetsuro; and Kamei, Masato, to Kamei Machine Project Co., Ltd. Wire winder for a stator. 4,844,356, 7-4-89, Cl. 242-11.00R.
Koizumi, Toshiaki; Kase, Masao; Otaki, Masatsugu; Yamashita, Masakazu; Tanaka, Kenji; and Matsuura, Ryo, to Pioneer Electronic Corporation. Front loading disc player. 4,845,700, 7-4-89, Cl. 369-75.200.
Koizumi, Tosio: *See—*
Hirabayashi, Michio; Koizumi, Tosio; and Shibao, Kiyotada, 4,860,436, Cl. 29-622.000.
Koizumi, Yutaka: *See—*
Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syozoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
Kojak, George. Sliding bolt lock for gates. 4,802,351, 2-7-89, Cl. 70-56.000.
Koji, Ito: *See—*
Toshio, Kamimura; and Koji, Ito, 4,852,853, Cl. 251-129.070.
Toshio, Kamimura; and Koji, Ito, 4,869,288, Cl. 137-494.000.
Toshio, Kamimura; and Koji, Ito, 4,877,052, Cl. 137-512.300.
Koji, Masashi, to Hoshin Kagaku Sangyosho Co., Ltd. Photo-CVD apparatus. 4,836,140, 6-6-89, Cl. 118-722.000.
Kojima, Akikazu: *See—*
Iwanami, Shigeki; Inagaki, Mitsuo; Sasaya, Hideaki; Tanaka, Taro; and Kojima, Akikazu, 4,886,423, Cl. 417-222.000.
Kojima, Akio: *See—*
Harada, Osamu; Kojima, Akio; Ikeda, Souhei; Watanabe, Yoshihisa; and Tsuji, Yoshihisa, 4,803,871, Cl. 73-104.000.
Sawai, Kiichi; Kurono, Masayasu; Awaya, Juichi; Kojima, Akio; and Ninomiya, Hideaki, 4,889,715, Cl. 424-80.000.
Suzuki, Tetsuro; Yoshikawa, Masao; and Kojima, Akio, 4,874,481, Cl. 204-59.00R.
Kojima, Akira: *See—*
Kurumatani, Harumichi; Nakao, Takashi; Nakano, Kazunori; and Kojima, Akira, 4,869,928, Cl. 427-206.000.
Otani, Sugio; Ota, Michiya; and Kojima, Akira, 4,866,157, Cl. 528-230.000.
Kojima, Atsushi: *See—*
Hirano, Takashi; and Kojima, Atsushi, 4,854,694, Cl. 351-224.000.
Yokoyama, Tatsuro; Mori, Haruki; Arita, Masanobu; and Kojima, Atsushi, 4,868,292, Cl. 536-18.500.
Kojima, Atsuyuki: *See—*
Antoku, Fujio; Yoshigi, Mayumi; Saji, Ikutaro; Kojima, Atsuyuki; and Ishizumi, Kukuo, 4,812,461, Cl. 514-278.000.
Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
Ishizumi, Kikuo; Antoku, Fujio; Maruyama, Isamu; and Kojima, Atsuyuki, 4,843,078, Cl. 514-253.000.
Kojima, Chiaki; and Shimizu, Hidetoshi, to Sony Corporation. Hologram recording medium. 4,842,968, 6-27-89, Cl. 430-1.000.
Kojima, Fumio; Tachiiri, Yoshikazu; and Kato, Yoshihisa, to Aisan Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Tube connecting unit. 4,874,174, 10-17-89, Cl. 285-82.000.

Kojima, Fumiyo: *See—*
Nakamura, Yoko; Kojima, Fumiyo; and Yoshino, Hirobumi, 4,876,571, Cl. 355-210.000.
Kojima, Hajime: *See—*
Matsumura, Syuusuke; Kojima, Hajime; and Miyano, Takahiro, 4,867,223, Cl. 164-46.000.
Kojima, Hideo: *See—*
Kohama, Takayuki; and Kojima, Hideo, 4,882,924, Cl. 72-254.000.
Shirakura, Osamu; Kojima, Hideo; Ouchi, Kiyohisa; and Ishimaru, Sueaki, 4,812,480, Cl. 514-557.000.
Kojima, Hidetaka: *See—*
Tanaka, Yasutaka; Kojima, Hidetaka; and Tsuji, Yasuo, 4,843,172, Cl. 562-406.000.
Kojima, Hiromu: *See—*
Fukahori, Yoshihide; Kojima, Hiromu; and Ogino, Akihiko, 4,830,927, Cl. 428-495.000.
Kojima, Hiroshi: *See—*
Ando, Makoto; and Kojima, Hiroshi, 4,802,738, Cl. 350-257.000.
Hara, Hideo; Maehara, Tadashi; Eshima, Masahazu; Morita, Hirofumi; and Kojima, Hiroshi, 4,815,514, Cl. 152-531.000.
Kojima, Hiroyasu: *See—*
Uramoto, Joshin; Suzuki, Koichi; Oyama, Takuji; and Kojima, Hiroyasu, 4,885,068, Cl. 204-192.110.
Kojima, Hisano; and Hirabayashi, Michio, to Idec Izumi Corporation. Push switch and method of production thereof. 4,843,197, 6-27-89, Cl. 200-406.000.
Kojima, Hisao. Apparatus for removing foreign substances in gas. 4,878,925, 11-7-89, Cl. 55-235.000.
Kojima, Hisao: *See—*
Watanabe, Naoto; Tanaka, Akira; Matsumoto, Takayuki; Ohmura, Yutaka; and Kojima, Hisao, 4,873,760, Cl. 29-714.000.
Kojima, Hisashi, to Technoplas, Inc. Ultrahigh speed injection molding method. 4,797,236, 1-10-89, Cl. 264-40.100.
Kojima, Hisashi; and Miyagi, Tatsuo, to Technoplas Inc. Method for supervision of injection molding by use of waveform of internal die pressure. 4,889,667, 12-26-89, Cl. 264-40.100.
Kojima, Junpei: *See—*
Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Kora, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, 4,820,775, Cl. 525-247.000.
Kojima, Katsumi; and Miki, Ryota, to Nippon Air Brake Co., Ltd. Braking force holding device for an air brake system. 4,802,563, 2-7-89, Cl. 192-13.00A.
Kojima, Kazuhiko: *See—*
Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, 4,816,860, Cl. 354-402.000.
Kojima, Kazuo, to Uniden Corporation of America. Telephone handset cradle mounting. 4,797,916, 1-10-89, Cl. 379-454.000.
Kojima, Kazuo: *See—*
Miyamoto, Keiji; Nakamura, Atsushi; Satoh, Tsuneo; Kojima, Kazuo; and Morita, Masayuki, 4,822,989, Cl. 235-492.000.
Kojima, Keiji; Torii, Shunichi; and Sakata, Akiharu, to Hitachi, Ltd. Vector processor for processing database without special tags for vector elements. 4,885,678, 12-5-89, Cl. 364-200.000.
Kojima, Keiji: *See—*
Takahashi, Masami; Tatsukawa, Eiji; Torii, Shunichi; and Kojima, Keiji, 4,839,799, Cl. 364-200.000.
Kojima, Keisuke; Kyuma, Kazuo; Noda, Susumu; Kameya, Masaaki; Ohta, Jun; and Hammanaka, Koichi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser device. 4,888,783, 12-19-89, Cl. 372-44.000.
Kojima, Keisuke: *See—*
Noda, Susumu; Kojima, Keisuke; and Kyuma, Kazuo, 4,847,844, Cl. 372-45.000.
Tokuda, Yasunori; Fujiwara, Kenzo; Tsukada, Noriaki; Kojima, Keisuke; Nomura, Yoshinori; and Matsui, Teruhito, 4,817,110, Cl. 372-45.000.
Kojima, Kenji: *See—*
Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuichi, 4,800,839, Cl. 118-691.000.
Kojima, Kiyotsugu; and Yamagata, Kouiichi, to Shimadzu Corporation. Pressure incubator. 4,833,089, 5-23-89, Cl. 435-313.000.
Kojima, Kouichi: *See—*
Kitano, Masao; Ueno, Tsunemasa; Kojima, Kouichi; and Morimoto, Yutaka, 4,853,486, Cl. 568-22.000.
Kojima, Makoto; Misaki, Hirozumi; and Okada, Yasuyuki, to Matsushita Electric Industrial Co., Ltd. Integrated high voltage generating system. 4,839,787, 6-13-89, Cl. 363-60.000.
Kojima, Makoto: *See—*
Okada, Yasuyuki; Kojima, Makoto; and Misaki, Hirozumi, 4,825,018, Cl. 323-351.000.
Sakuramoto, Takahumi; Kojima, Makoto; Asoshina, Eishi; and Tominaga, Takashi, 4,830,819, Cl. 419-8.000.
Kojima, Masaaki: *See—*
Mikami, Tsutomu; and Kojima, Masaaki, 4,800,336, Cl. 324-426.000.
Kojima, Masahiro: *See—*
Sakurai, Tadashi; and Kojima, Masahiro, 4,816,739, Cl. 323-272.000.
Kojima, Masami: *See—*
Ootani, Masaru; Kojima, Masami; and Kitahara, Toshio, 4,820,825, Cl. 548-496.000.
Otani, Masaru; Kojima, Masami; and Kitahara, Toshio, 4,820,869, Cl. 562-554.000.
Kojima, Masanori, to Mitsubishi Denki Kabushiki Kaisha. Signal processing system using a compressor and an expander. 4,862,118, 8-29-89, Cl. 333-14.000.
Kojima, Masao: *See—*
Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,823,834, Cl. 137-596.140.
Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,875,500, Cl. 137-596.180.
Kojima, Masayasu; and Hayashi, Chihiro, to Sumitomo Metal Industries, Ltd. Metal case for housing an IC and a manufacturing method therefor. 4,852,736, 8-1-89, Cl. 206-328.000.
Kojima, Mitoku; Kohsaka, Hiroji; and Matsui, Hisao, to Horiba, Ltd. Exhaust-gas analyzing device. 4,814,143, 3-21-89, Cl. 422-83.000.
Kojima, Mitsumasa; Saito, Takayuki; Kikuchi, Toul; Uchimura, Shunichiro; Satou, Hidetaka; and Makino, Daisuke, to Hitachi Chemical Company, Ltd. Process for producing polyamide acid having siloxane bonds and polyimide having siloxane bonds and isoindoloquinazolinedione rings. 4,847,358, 7-11-89, Cl. 528-353.000.
Kojima, Mitsuru: *See—*
Minamoto, Masaya; Kojima, Mitsuru; Sagara, Toshiharu; and Takeda, Yorio, 4,808,443, Cl. 427-407.100.
Kojima, Osamu: *See—*
Shimomura, Yozo; Mori, Kinya; and Kojima, Osamu, 4,871,805, Cl. 525-98.000.
Kojima Press Industry Co., Ltd.: *See—*
Maeda, Yoshihiro; Morisaka, Manabu; and Matsumoto, Hisayoshi, 4,848,627, Cl. 224-275.000.
Yanagida, Kouichi; Kano, Shinichiro; Gotou, Takeshi; and Hirose, Takashi, 4,874,062, Cl. 181-250.000.
Kojima, Sadao, to Kaiyo Kogyo Kabushiki Kaisha. Local water cleaning method for use in consecutive water areas. 4,879,046, 11-7-89, Cl. 210-747.000.
Kojima, Seiji; Ikeda, Masakiyo; Kikuchi, Hiroshi; and Kashiwayanagi, Yuzo, to Furukawa Electric Co., Ltd., The. Vapor deposition method for the GaAs thin film. 4,798,743, 1-17-89, Cl. 427-255.000.
Kojima, Setsuo: *See—*
Miura, Shinsuke; Ishizuka, Susumu; and Kojima, Setsuo, 4,857,792, Cl. 310-323.000.
Kojima, Shigeru: *See—*
Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,086, Cl. 353-79.000.
Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,087, Cl. 353-79.000.
Kojima, Shin-ichi; and Okano, Takashi, to Pioneer Electronic Corporation. Method and system for retrieving video information from a non-CAV type recording disk in special reproduction modes. 4,814,897, 3-21-89, Cl. 358-342.000.
Kojima, Shinji: *See—*
Orikasa, Yuichi; Kojima, Shinji; Inoue, Takashi; Sato, Atsushi; Kawakami, Shigenobu; and Yamamoto, Kaoru, 4,804,729, Cl. 526-336.000.
Kojima, Shozo: *See—*
Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, 4,820,668, Cl. 501-134.000.
Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, 4,820,669, Cl. 501-134.000.
Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, to Yamanouchi Pharmaceutical Co., Ltd. Certain pyridyl or imidazol-1-yl-alkyleneoxy-(or amino)phenoxy-alkanoates having lipid lowering activity. 4,795,753, 1-3-89, Cl. 514-345.000.
Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, to Yamanouchi Pharmaceutical Co., Ltd. Certain pyridinyl or imidazolinyl-4-thiazolyl-phenoxy alkanoic acid derivatives having lipid lowering activity. 4,798,838, 1-17-89, Cl. 514-342.000.
Kojima, Tadashi: *See—*
Ishiyama, Shozo; Kojima, Tadashi; and Banno, Makoto, 4,830,475, Cl. 350-427.000.
Nishikawa, Meisei; Inagawa, Jun; Inagaki, Takeshi; Kaneshige, Toshihiko; Hayashi, Yasuhiro; and Kojima, Tadashi, 4,860,272, Cl. 369-48.000.
Kojima, Takaaki; and Okumura, Mitsuhiro, to Konishiroku Photo Industry Co., Ltd. Rapidly processable silver halide photographic light-sensitive material. 4,839,270, 6-13-89, Cl. 430-583.000.
Kojima, Takaaki: *See—*
Ohbayashi, Keiji; Okumura, Mitsuhiro; Kojima, Takaaki; and Tanaka, Shigeo, 4,818,671, Cl. 430-550.000.
Kojima, Takahito: *See—*
Yagi, Hideaki; Kojima, Takahito; and Horii, Katsuhiko, 4,801,211, Cl. 374-28.000.
Kojima, Takao; Ishiguro, Hiroyuki; Kawachi, Yoshiki; and Yamada, Tetsusyo, to NGK Spark Plug Co., Ltd. Plate-like ceramic heater. 4,806,739, 2-21-89, Cl. 219-543.000.
Kojima, Takao; and Yamada, Tetsusyo, to NGK Spark Plug Co., Ltd. Reinforced plate-like sintered bodies. 4,840,854, 6-20-89, Cl. 428-698.000.
Kojima, Takao; Ishiguro, Hiroyuki; and Kami, Yoshihide, to NGK Spark Plug Co., Ltd. Apparatus for sensing air-fuel ratio. 4,863,584, 9-5-89, Cl. 204-425.000.

- Kojima, Takashi: *See—*
  - Takeda, Kenji; Ishikawa, Ken; Kanetake, Tatsuo; Kojima, Takashi; and Itsubo, Akira, 4,863,763, Cl. 427-355.000.
- Kojima, Takeshi, to T. Chatani & Co., Ltd. Surface illuminating apparatus. 4,860,171, 8-22-89, Cl. 362-31.000.
- Kojima, Takeshi: *See—*
  - Ohta, Kimihiro; Nakagawa, Tadashi; Kojima, Takeshi; Sakamoto, Tsunenori; and Kawai, Naoyuki, 4,855,013, Cl. 156-601.000.
- Kojima, Taketoshi: *See—*
  - Noto, Hiroshi; Hayashida, Nobuyuki; Kojima, Taketoshi; Ito, Makoto; and Kambayashi, Osamu, 4,885,580, Cl. 341-23.000.
- Kojima, Takio; and Taniguchi, Masato, to NGK Spark Plug Co., Ltd. Poppet valve made of ceramics. 4,881,500, 11-21-89, Cl. 123-188.0AA.
- Kojima, Takio: *See—*
  - Akao, Shigeaki; Kawamura, Mitsuyoshi; and Kojima, Takio, 4,796,517, Cl. 92-187.000.
  - Akao, Shigeaki; Taniguchi, Masato; and Kojima, Takio, 4,803,766, Cl. 29-156.40R.
- Kojima, Tamotsu: *See—*
  - Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; and Naito, Hiroshi, 4,801,954, Cl. 346-140.00R.
  - Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; and Naito, Hiroshi, 4,801,955, Cl. 346-140.00R.
- Kojima, Tatsuo: *See—*
  - Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, Tatsuo; Kobayashi, Tatsunobu; and Katou, Kouki, 4,817,410, Cl. 72-199.000.
- Kojima, Tetsuro: *See—*
  - Hirano, Shigeo; Kojima, Tetsuro; Yamamoto, Mitsuru; Inoue, Noriyuki; and Heki, Tatsuo, 4,859,579, Cl. 430-598.000.
  - Inoue, Noriyuki; Heki, Tatsuo; and Kojima, Tetsuro, 4,871,653, Cl. 430-409.000.
- Kojima, Tosaku: *See—*
  - Hasegawa, Hiroshi; Sugimoto, Koichi; Yano, Takeshi; Netsu, Tositada; Tani, Mitsukiyo; and Kojima, Tosaku, 4,875,618, Cl. 228-179.000.
- Kojima, Toshikuni: *See—*
  - Tsuchiya, Sohji; Kojima, Toshikuni; Kudoh, Yasuo; Yoshimura, Susumu; Hoshii, Yasunari; and Itoh, Hirohiko, 4,828,738, Cl. 252-62.200.
  - Yoshimura, Susumu; Tsuchiya, Ohji; Kudoh, Yasuo; and Kojima, Toshikuni, 4,864,472, Cl. 361-525.000.
- Kojima, Toshitada: *See—*
  - Hiejima, Kiyoshi; Uehashi, Hiroyuki; Kishitani, Yoriko; and Kojima, Toshitada, 4,864,088, Cl. 219-10.55B.
- Kojima, Yasuhiko; and Tamamura, Sadao, to Kojima, Yasuhiko. Process for producing a biologically active substance and compositions containing the same. 4,871,540, 10-3-89, Cl. 424-195.100.
- Kojima, Yasuhiko; Pilot, John; and Waxman, Burton H., to Polychrome Corp.; and Dainippon Ink & Chemicals, Inc. High contrast dot enhancing compositions and photographic products and methods for their use. 4,882,261, 11-21-89, Cl. 430-264.000.
- Kojima, Yasuhiro, to Kabushiki Kaisha Kito. Operating device for electric hoist. 4,844,421, 7-4-89, Cl. 254-270.000.
- Kojima, Yasushi: *See—*
  - Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi; Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, 4,823,235, Cl. 361-424.000.
- Kojima, Yasutaka; and Watanabe, Yuhki, to Akiyama Printing Machinery Manfacturing Corp.; and Kamo Denki Research Institute Ltd. Apparatus for matching register marks and punching U-holes for press plate. 4,833,985, 5-30-89, Cl. 101-401.100.
- Kojima, Yoshihide: *See—*
  - Asano, Kazuo; Oku, Masahiro; Idei, Mitsushige; and Kojima, Yoshihide, 4,867,218, Cl. 152-454.000.
- Kojima, Yoshikazu: *See—*
  - Hayashi, Yutaka; Kojima, Yoshikazu; Kamiya, Masaaki; and Tanaka, Kojiro, 4,821,236, Cl. 365-185.000.
  - Iwata, Keisuke; and Kojima, Yoshikazu, 4,885,572, Cl. 340-425.500.
- Kojima, Yoshimi: *See—*
  - Hayakawa, Takashi; Nojima, Hideo; Kojima, Yoshimi; Narikawa, Shiro; Matsuyama, Toshiro; Imada, Eiji; and Ehara, Shaw, 4,853,309, Cl. 430-65.000.
  - Matsuyama, Toshiro; Kojima, Yoshimi; and Ehara, Shaw, 4,851,256, Cl. 427-39.000.
  - Sugimura, Hiroshi; Imada, Eiji; Kojima, Yoshimi; and Tsuchimoto, Shuhei, 4,883,733, Cl. 430-54.000.
- Kojima, Yoshitaka: *See—*
  - Doi, Masayuki; Asahi, Naotatsu; Kojima, Yoshitaka; Kanamaru, Hisanobu; and Aoyama, Susumu, 4,873,150, Cl. 428-627.000.
- Kojima, Yoshitsugu: *See—*
  - Kawasumi, Masaya; Kohzaki, Masao; Kojima, Yoshitsugu; Okada, Akane; and Kamigaito, Osami, 4,810,734, Cl. 523-216.000.
  - Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-445.000.
- Kojima, Yoshiyuki: *See—*
  - Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, 4,814,338, Cl. 514-275.000.
  - Tokunaga, Yukio; Kojima, Yoshiyuki; Maeno, Shinichiro; Sawai, Nobumitsu; and Saso, Yasuo, 4,866,064, Cl. 514-258.000.
  - Yonekura, Norihisa; Yumita, Takashi; Nezu, Yukio; Kojima, Yoshiyuki; Maeno, Shin-ichiro; and Yaguchi, Shigeharu, 4,871,751, Cl. 514-345.000.
- Kojima, Yuichi; and Kitazato, Naohisa, to Sony Corp. Method and apparatus for predictive coding. 4,853,780, 8-1-89, Cl. 358-136.000.
- Kojima, Yuji: *See—*
  - Fujiwara, Yoshiro; Endo, Michiko; Kojima, Yuji; Wakatsuki, Noboru; Hirano, Akira; and Komenou, Kazunari, 4,810,965, Cl. 324-208.000.
- Kojima, Yutaka; and Omori, Takashi, to Jujo Paper Co., Ltd. Recording sheet for ink jet printers. 4,830,911, 5-16-89, Cl. 428-342.000.
- Kojima, Yutaka: *See—*
  - Umemura, Toshikazu; Maeda, Kenji; Kojima, Yutaka; Izumida, Toshiaki; and Tanabe, Kou, 4,845,193, Cl. 528-502.000.
- Kojimoto, Susumu; Nii, Fumio; and Mori, Toshio, to Sumitiomo Chemical Company, Limited. Coated seeds. 4,802,305, 2-7-89, Cl. 47-57.600.
- Kojin Co., Ltd.: *See—*
  - Kamijo, Masayasu; Katsuta, Shinichiro; and Wada, Takeo, 4,806,206, Cl. 162-145.000.
- Kojo, Hidehiko: *See—*
  - Kanai, Hiroshi; Oka, Joji; and Kojo, Hidehiko, 4,826,895, Cl. 523-443.000.
- Kojo, Takeshi, to Matsushita Electronics Corporation. Semiconductor integrated circuit. 4,860,083, 8-22-89, Cl. 357-51.000.
- Kok, Kenneth D.: *See—*
  - Bartilson, Benjamin M.; Kok, Kenneth D.; and Pettenski, Thomas A., 4,848,165, Cl. 73-864.710.
- Kok, Piet: *See—*
  - Claeys, Daniel A.; Timmerman, Daniel M.; Rutges, Antonius A.; Michiels, Eddy A.; Vanmaele, Luc J.; and Kok, Piet, 4,820,608, Cl. 430-213.000.
- Kokabu, Masaaki: *See—*
  - Kurita, Yasuo; Kokabu, Masaaki; and Uemoto, Katsunori, 4,809,953, Cl. 254-250.000.
- Kokabu, Misao; Nakamura, Hitoshi; Fujimura, Takashi; and Hayashi, Nobuyasu, to Hitachi Ltd.; and Hitachi Device Engineering Co., Ltd. Exposure apparatus. 4,841,315, 6-20-89, Cl. 354-1.000.
- Kokado, Masayuki, to Fujitsu Limited. ECL circuit having an improved emitter follower output circuit. 4,877,977, 10-31-89, Cl. 307-455.000.
- Kokai, Jozsef: *See—*
  - Balina, Istvan; Kokai, Jozsef; Boro, Lajos; and Torba, Lajos, 4,858,451, Cl. 70-202.000.
- Kokaku, Yuuichi; and Kitou, Makoto. Pattern forming process and thin-film magnetic head formed by said process. 4,863,557, 9-5-89, Cl. 156-643.000.
- Kokan Kako Co., Ltd.: *See—*
  - Fukazawa, Kazuhito, 4,864,978, Cl. 123-32.00M.
  - Fukazawa, Kuzuhito, 4,831,824, Cl. 60-322.000.
  - Nakamura, Masanobu, 4,820,241, Cl. 464-183.000.
  - Nakamura, Masanobu, 4,827,585, Cl. 29-156.40R.
  - Nakamura, Masanobu, 4,840,053, Cl. 72-58.000.
  - Nakamura, Masanobu, 4,882,825, Cl. 29-156.40R.
- Kokan Mining Co., Ltd.: *See—*
  - Fukushima, Tsutomu; Nakao, Tsugio; Yamashita, Kazue; Komuro, Takao; and Nishi, Katsuhiro, 4,889,697, Cl. 423-140.000.
- Kokawa, Masashi, to Horiba, Ltd. Gap switch. 4,853,939, 8-1-89, Cl. 372-81.000.
- Kokayeff, Peter; and Abdo, Suheil F., to Union Oil Company of California. Desulfurization and isomerization of N-paraffins. 4,827,076, 5-2-89, Cl. 585-737.000.
- Kokayeff, Peter; and Abdo, Suheil F., to Union Oil Company of California. Ni/Cu absorbent/catalyst for desulfurization and isomerization of n-paraffins. 4,886,935, 12-12-89, Cl. 585-737.000.
- Kokelenberg, Hendrik E.; and Jansen, Benedictus J., to Agfa-Gevaert N.V. Development of photographic silver halide emulsion materials. 4,810,623, 3-7-89, Cl. 430-448.000.
- Koken Co., Ltd.: *See—*
  - Fujioka, Keiji; Sato, Shigeji; Sasaki, Yoshio; Miyata, Teruo; Furuse, Masayasu; and Naito, Hiromi, 4,849,141, Cl. 264-207.000.
  - Kawasaki, Tsutomu; and Kobayashi, Wataru, 4,874,511, Cl. 210-198.200.
  - Namiki, Tetsuro; Furuse, Masayasu; Kuroyanagi, Yoshimitsu; Miyata, Teruo; and Suzuki, Takashi, 4,840,937, Cl. 514-21.000.
  - Noishiki, Yasuharu; Kodaira, Kazuhiko; Furuse, Masayasu; and Miyata, Teruo, 4,806,595, Cl. 525-54.200.
  - Noishiki, Yasuharu; and Miyata, Teruo, 4,833,200, Cl. 525-54.200.
  - Tajima, Tomoyuki, 4,810,495, Cl. 424-95.000.
  - Yoshizato, Katsutoshi; Taira, Toshio; and Miyata, Teruo, 4,883,487, Cl. 623-15.000.
- Koketsu, Masahiko: *See—*
  - Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Ozawa, Hiroshi; Mitani, Takahiko; Jomori, Takahito; Koketsu, Masahiko; Michishita, Hisashi; and Sawai, Kiichi, 4,868,189, Cl. 514-274.000.
- Kokholm, Finn: *See—*
  - Christiansen, Torben F.; and Kokholm, Finn, 4,874,501, Cl. 204-415.000.
- Koki, Nakatsuka, to Mitsubishi Denki Kabushiki Kaisha. Radar system. 4,796,031, 1-3-89, Cl. 342-148.000.
- Kokkeler, Franciscus; Fioroli, Mario; Risman, Per O. G.; Vigano, Liliana; and Idebro, Mats G., to U.S. Philips Corporation. Microwave oven with improved defrosting mode. 4,841,111, 6-20-89, Cl. 219-10.55B.

- Kokkeler, Franciscus: *See—*
  - Vigano, Liliana; Kokkeler, Franciscus; and Fioroli, Mario, 4,857,685, Cl. 219-10.55F.
- Kokkonen, Seppo; Qvintus, Harri; and Ruuskanen, Erkki, to Enso-Gutzeit OY. Packing arrangement for sealing the surface of a rotary drum like object. 4,795,170, 1-3-89, Cl. 277-106.000.
- Kokogawa, Tohru: *See—*
  - Niki, Kenichi; Kokogawa, Tohru; Ishizu, Akira; and Takasago, Hayato, 4,887,030, Cl. 324-158.00P.
- Kokoku Rubber Industry Company Limited: *See—*
  - Tanaga, Shigenori; and Iida, Hideo. 4,847,586, Cl. 338-114.000.
- Kokoku Rubber Technologies Inc.: *See—*
  - Iida, Hideo, 4,821,013, Cl. 338-114.000.
- Kokolis, George P.; and McCoy, Kevin P., to Texaco Inc.; and Texaco Canada Resources. Solvent flooding with a horizontal injection well and drive fluid in gas flooded reservoirs. 4,794,987, 1-3-89, Cl. 166-274.000.
- Kokolis, George P.; and McCoy, Kevin P., to Texaco Inc.; and Texaco Canada Resources. Solvent flooding with a horizontal injection well in gas flooded reservoirs. 4,834,179, 5-30-89, Cl. 166-268.000.
- Kokolis, George P.: *See—*
  - McCoy, Kevin P.; and Kokolis, George P., 4,838,350, Cl. 166-274.000.
- Kokosa, Richard A.: *See—*
  - Allred, Jimmie B., III; Kokosa, Richard A.; Kranter, Allan I.; and Newman, Richard W., 4,836,189, Cl. 128-6.000.
- Kokoszka, John J.: *See—*
  - Battista, Richard A.; Bennett, James G., Jr.; Kokoszka, John J.; and Tungate, Freddie L., 4,851,591, Cl. 568-804.000.
- Kokta, Bohuslav, to Stake Technology Ltd. Process for preparing pulp for paper making. 4,798,651, 1-17-89, Cl. 162-22.000.
- Kokta, Milan R., to Union Carbide Corporation. Processes for enhancing fluorescence of TI:A1203 tunable laser crystals. 4,836,953, 6-6-89, Cl. 252-301.40F.
- Kokturk, Uygur: *See—*
  - Najjar, Mitri S.; Corbeels, Roger J.; and Kokturk, Uygur, 4,851,151, Cl. 252-373.000.
- Kokubo, Hiroshi; and Tsuboi, Kinji, to Tokyu Car Corporation; and Kokubo, Hiroshi. Data reader. 4,883,949, 11-28-89, Cl. 235-449.000.
- Kokubo, Hiroyasu; Chiba, Tohru; and Sekigawa, Fujio, to Shin-Etsu Chemical Co., Ltd. Method for the preparation of a coated solid medicament. 4,837,033, 6-6-89, Cl. 424-494.000.
- Kokubo, Ichiro; Kourida, Kazuhiko; Hashimoto, Shunichi; Mimura, Kazuhiro; and Shibata, Zenichi, to Kabushiki Kaisha Kobe Seiko Sho. High strength hot rolled steel sheet for wheel rims. 4,880,480, 11-14-89, Cl. 148-320.000.
- Kokubo, Kakuro: *See—*
  - Ishikawa, Kiyoe; Kokubo, Kakuro; Kurokawa, Hitoshi; Hosogai, Daijiro; and Takenaka, Hirokazu, 4,799,622, Cl. 239-102.200.
- Kokubo, Masaru: *See—*
  - Amada, Eiichi; Yamakido, Kazuo; Kozaki, Takahiko; Nishita, Shigeo; and Kokubo, Masaru, 4,796,296, Cl. 379-410.000.
- Kokubo, Tadayoshi: *See—*
  - Kawabe, Yasumasa; Uenishi, Kazuya; and Kokubo, Tadayoshi, 4,863,828, Cl. 430-191.000.
  - Matsuda, Nobuaki; Kokubo, Tadayoshi; Aoai, Toshiaki; Umehara, Akira; and Aotani, Yoshimasa, 4,842,986, Cl. 430-270.000.
  - Uenishi, Kazuya; Kokubo, Tadayoshi; and Kawabe, Yasumasa, 4,871,645, Cl. 430-192.000.
- Kokubo, Takashi: *See—*
  - Morioka, Kazuo; Kokubo, Takashi; Imazeki, Youichi; and Murayama, Hideharu, 4,847,710, Cl. 360-72.200.
- Kokubo, Yasushi; Suzuki, Keisuke; and Mori, Seiichiro, to JEOL Ltd. Control system using external computer for electron microscope. 4,871,912, 10-3-89, Cl. 250-311.000.
- Kokubo, Yoshihiro; and Susaki, Wataru, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser apparatus. 4,797,895, 1-10-89, Cl. 372-43.000.
- Kokubu, Masakazu: *See—*
  - Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,831,401, Cl. 354-319.000.
  - Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,843,412, Cl. 354-275.000.
- Kokubu, Nobuaki, to Canon Kabushiki Kaisha. Communication terminal device. 4,860,110, 8-22-89, Cl. 358-400.000.
- Kokubu, Nobuaki, to Canon Kabushiki Kaisha. Data communication system. 4,868,758, 9-19-89, Cl. 364-464.010.
- Kokubu, Nobuaki: *See—*
  - Hisada, Katsutoshi; Kokubu, Nobuaki; Sakurai, Shigeki; Murata, Yukio; and Okano, Tatsuo, 4,799,110, Cl. 358-261.300.
- Kokubu, Sadao. Optical switch device employing a fluorescent substance with a radioactive element as a light source. 4,795,900, 1-3-89, Cl. 250-221.000.
- Kokubu, Sadao, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Photo-coupler with delay function using a fluorescent substance as the delay means. 4,829,192, 5-9-89, Cl. 250-551.000.
- Kokubu, Sadao, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Image processing apparatus. 4,833,540, 5-23-89, Cl. 358-225.000.
- Kokubu, Sadao, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Automobile tire pneumatic pressure controlling apparatus. 4,844,138, 7-4-89, Cl. 152-417.000.
- Kokubu, Sadao. Photo-coupler switch with delay function using a fluorescent substance as the delay means. 4,847,508, 7-11-89, Cl. 250-551.000.
- Kokubu, Sadao, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Optical switch device employing fluorescent substance in combination with a radioactive element as a light source. 4,871,909, 10-3-89, Cl. 250-229.000.
- Kokubu, Sadao: *See—*
  - Demura, Hiroshi; Kawahashi, Akira; Hayashi, Kazumi; and Kokubu, Sadao, 4,799,769, Cl. 350-331.00R.
  - Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, 4,820,022, Cl. 350-331.00R.
- Kokumai, Motohiro: *See—*
  - Takatori, Hiroshi; Kokumai, Motohiro; and Shinozuka, Tatsuko, 4,868,874, Cl. 379-411.000.
- Kokura, Makoto: *See—*
  - Yoshida, Kageo; Nittani, Osamu; Ito, Toshinobu; Kokura, Makoto; and Hirano, Kouzi, 4,842,743, Cl. 210-634.000.
- Kokura, Yasuhide: *See—*
  - Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,965, Cl. 355-45.000.
  - Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,966, Cl. 355-45.000.
- Kokuryo, Hitoshi: *See—*
  - Tamada, Masuo; Kokuryo, Hitoshi; Tamura, Shinsuke; and Ozaki, Hiroshi, 4,879,645, Cl. 364-200.000.
- Kokuryo, Yoshiki; Kataoka, Sachiro; Inaba, Tomokazu; Terunuma, Kazuyoshi; and Asano, Toshiharu, to Nissan Motor Company, Ltd.; and Kokusan Kinzoku Kogyo Kabushiki Kaisha. Control system for vehicular passive seat belt arrangement. 4,839,532, 6-13-89, Cl. 307-10.300.
- Kokuryo, Yoshiro: *See—*
  - Kobayashi, Naoya; Ohnishi, Makoto; and Kokuryo, Yoshiro, 4,823,346, Cl. 371-43.000.
- Kokuryu, Yuji: *See—*
  - Nishiki, Hiroyuki; and Kokuryu, Yuji, 4,840,408, Cl. 285-62.000.
- Kokusai Denki Kabushiki Kaisha: *See—*
  - Sasaki, Kanemi, 4,890,079, Cl. 333-206.000.
  - Yamaguchi, Hiroyuki; and Yokoyama, Naomi, 4,802,240, Cl. 455-343.000.
- Kokusai Denshin Denwa Co., Ltd.: *See—*
  - Furukawa, Yasuo; Yamazaki, Katsuyuki; Hosaka, Takemi; and Fukui, Akira, 4,797,931, Cl. 351-56.000.
  - Hatori, Yoshinori; Nishiwaki, Mitsuo; and Mukawa, Naoki, 4,807,028, Cl. 358-133.000.
  - Hatori, Yoshinori; Kato, Yoichi; Ohta, Mutsumi; and Kosugi, Yasuhiro, 4,837,618, Cl. 358-135.000.
  - Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.
  - Kaneko, Masahide; Matsuda, Kiichi; Mukawa, Naoki; and Koga, Toshio, 4,805,017, Cl. 358-105.000.
  - Matsuzaki, Akira; Ejiri, Yoshihiro; Nakai, Taiichiro; and Yamaguchi, Yoshiro, 4,805,547, Cl. 114-221.00A.
  - Oda, Hidenori; and Yano, Hiroaki, 4,843,382, Cl. 340-825.060.
  - Tamura, Yasuaki; and Mochizuki, Kiyofumi, 4,805,977, Cl. 350-96.160.
  - Wada, Masahiro; Yamaguchi, Hirohisa; and Yamamoto, Hideo, 4,827,339, Cl. 358-136.000.
  - Yamasaki, Norikazu; and Koga, Keiichiro, 4,797,887, Cl. 371-43.000.
  - Yatsuzuka, Yohtaro, 4,811,396, Cl. 381-30.000.
- Kokusai Denshin Denwa Kabushiki Kaisha: *See—*
  - Akiba, Shigeyuki; Usami, Masashi; Noda, Yukio; and Suzuki, Masatoshi, 4,796,274, Cl. 372-96.000.
  - Kakuda, Yoshiaki; Wakahara, Yasushi; and Norigoe, Masamitsu, 4,802,162, Cl. 371-15.000.
  - Matsumoto, Shuichi; and Murakami, Hitomi, 4,802,004, Cl. 358-133.000.
  - Matsumoto, Shuichi; and Murakami, Hitomi, 4,875,095, Cl. 358-133.000.
  - Muratani, Takuro; Kobayashi, Hideo; and Kimura, Toshinari, 4,862,104, Cl. 331-1.00A.
  - Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,811,353, Cl. 372-45.000.
  - Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,820,655, Cl. 437-129.000.
  - Nohara, Mitsuo; and Takahata, Fumio, 4,870,642, Cl. 370-75.000.
  - Nomoto, Shinichi; Mizuguchi, Yoshihiko; and Watanabe, Fumio, 4,811,029, Cl. 343-779.000.
  - Ryu, Shiro; and Mochizuki, Kiyofumi. 4,888,817, Cl. 455-619.000.
  - Sakai, Kazuo; Matsushima, Yuichi; and Utaka, Katsuyuki, 4,795,225, Cl. 350-96.130.
  - Shinbori, Osamu; Mimura, Yoshinori; Tokiwa, Hideharu; and Nakai, Tetsuya, 4,810,054, Cl. 350-96.210.
  - Shiokawa, Takayasu; Yasukawa, Koji; and Karasawa, Yoshio, 4,853,702, Cl. 342-363.000.
  - Suzuki, Masatoshi; Akiba, Shigeyuki; Tanaka, Hideaki; and Kushiro, Yukitoshi, 4,811,352, Cl. 372-45.000.
  - Suzuki, Masatoshi; Noda, Yukio; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,837,526, Cl. 332-7.510.
  - Tanaka, Shinsuke; Imamura, Nobutake; and Ota, Chuichi, 4,814,238, Cl. 428-692.000.
  - Usami, Masashi; Akiba, Shigeyuki; Utaka, Katsuyuki; and Matsushima, Yuichi, 4,815,090, Cl. 372-50.000.
  - Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, 4,805,975, Cl. 350-96.130.

- Utaka, Katsuyuki; Akiba, Shigeyuki; and Matsushima, Yuichi, 4,826,291, Cl. 350-320.000.
- Utaka, Katsuyuki, 4,829,535, Cl. 372-50.000.
- Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, 4,852,108, Cl. 372-20.000.
- Utaka, Katsuyuki; Sakai, Kazuo; Matsushima, Yuichi; and Akiba, Shigeyuki, 4,874,216, Cl. 350-96.190.
- Yamazaki, Katsuyuki, 4,841,522, Cl. 370-64.000.

Kokusai Gijutsu Kaihatsu Kabushiki Kaisha: *See—*
- Nakauchi, Shunsaku, 4,798,068, Cl. 70-276.000.
- Ueno, Yasuo, 4,834,690, Cl. 464-84.000.

Kokusan Denki Co., Ltd.: *See—*
- Kinoshita, Atsufumi; and Tamai, Hiroshi, 4,809,661, Cl. 123-418.000.

Kokusan Kinzoku Kogyo Company, Ltd.: *See—*
- Kataoka, Sachiro; and Tsutsumi, Shunsaku, 4,835,407, Cl. 307-10.500.

Kokusan Kinzoku Kogyo Kabushiki Kaisha: *See—*
- Akutsu, Shoji, 4,866,433, Cl. 340-825.310.
- Akutsu, Shouji, 4,811,013, Cl. 340-825.310.
- Akutsu, Shouji, 4,835,533, Cl. 340-825.310.
- Kokuryo, Yoshiki; Kataoka, Sachiro; Inaba, Tomokazu; Terunuma, Kazuyoshi; and Asano, Toshiharu, 4,839,532, Cl. 307-10.300.
- Namazue, Hirotoshi; and Akutsu, Shouji, 4,827,744, Cl. 70-252.000.
- Namazue, Hirotoshi, 4,858,453, Cl. 70-278.000.

Kolacek, Ivo. Adjustable stop member. 4,877,359, 10-31-89, Cl. 409-218.000.

Kolakowski, Manfred: *See—*
- Streubel, Hans; Golla, Rainer; and Kolakowski, Manfred, 4,811,779, Cl. 164-418.000.

Kolar, Richard A., to Surface Technology, Inc. Resilient, wear-and weather-resistant composite surface material. 4,800,119, 1-24-89, Cl. 428-283.000.

Kolarik, Zdenek; and Schuler, Robert, to Kernforschungszentrum Karlsruhe GmbH. Process for improving the effectiveness of the removal of zirconium from a nuclear fuel and or fissionable material solution. 4,839,101, 6-13-89, Cl. 252-627.000.

Kolassa, Dieter; Keil, Michael; Schirmer, Ulrich; Theobald, Hans; Becker, Rainer; Wuerzer, Bruno; and Meyer, Norbert, to BASF Aktiengesellschaft. Cyclohexenone derivatives, their preparation and their use for controlling undesirable plant growth. 4,880,456, 11-14-89, Cl. 71-88.000.

Kolassa, Dieter: *See—*
- Jahn, Dieter; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Jung, Johann; and Rademacher, Wilhelm, 4,812,160, Cl. 71-88.000.
- Kast, Juergen; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,842,638, Cl. 71-88.000.
- Keil, Michael; Schirmer, Ulrich; Kolassa, Dieter; Kast, Juergen; Rademacher, Wilhelm; and Jung, Johann, 4,820,331, Cl. 71-88.000.
- Keil, Michael; Spiegler, Wolfgang; Jahn, Dieter; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,867,784, Cl. 71-98.000.

Kolavcic, Pavel; Sobel, Jarl; and Ornholmer, Lars, to Asea Brown Boveri AB. Compensation for sensitivity drift in magnetoelastic force transducers. 4,887,471, 12-19-89, Cl. 73-862.690.

Kolb, Albrecht: *See—*
- Goertz, Hans-Helmut; Straub, Ferdinand; Sanner, Axel; Kolb, Albrecht; Raubenheimer, Hans-Juergen; and Vogel, Friedrich, 4,841,066, Cl. 548-335.000.

Kolb, Bruno: *See—*
- Gonner, Winfried; Kolb, Bruno; and Machata, Gottfried, 4,818,489, Cl. 422-84.000.

Kolb, Dieter: *See—*
- Kittel, Friedrich; and Kolb, Dieter, 4,811,826, Cl. 192-70.130.

Kolb, Erich: *See—*
- Wiesenberger, Alfred; Marr, Rolf; Kolb, Erich; Schildmann, Jens A.; and Weisrock, Reinhard, 4,867,997, Cl. 426-387.000.

Kolb, Eugen, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Folding top for passenger cars. 4,838,601, 6-13-89, Cl. 296-128.000.

Kolb, Eugen, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Tensioning arrangement for the top cover of a motor vehicle. 4,840,419, 6-20-89, Cl. 296-108.000.

Kolb, Kenneth W. Splatter shield for conventional paint roller. 4,821,362, 4-18-89, Cl. 15-248.00A.

Kolb, Lawrence M.: *See—*
- Buccola, Charles; and Kolb, Lawrence M., 4,8[illegible]3,450, Cl. 340-506.000.

Kolb, Michael: *See—*
- Gerhart, Fritz; and Kolb, Michael, 4,847,401, Cl. 558-378.000.

Kolb, Richard P.: *See—*
- Friedle, Dennis J.; Kolb, Richard P.; and Lieb, M. Jeremy, 4,838,822, Cl. 440-86.000.
- Friedle, Dennis J.; Kolb, Richard P.; and McLeod, Kenneth M., 4,880,403, Cl. 440-88.000.

Kolb, Robert E., to Minnesota Mining and Manufacturing Company. Fluoroelastomer composition with organo-onium compounds. 4,882,390, 11-21-89, Cl. 525-326.300.

Kolb, Roland; and Weber, Jurg, to BBC Brown Boveri AG. Spiral displacement machine with concave circular arcs sealingly engaging circular steps. 4,861,244, 8-29-89, Cl. 418-15.000.

Kolb, Ronald E., to Eastman Kodak Company. Continuous ink jet printer having orifice plate flexure stimulation. 4,827,285, 5-2-89, Cl. 346-75.000.

Kolb, Walter, to Wolf-Gerate GmbH. Battery operated motor drive for small appliances. 4,876,490, 10-24-89, Cl. 318-17.000.

Kolb, Walter: *See—*
- Leidinger, Gustav; Proll, Gunther; and Kolb, Walter, 4,852,660, Cl. 172-795.000.

Kolbatz, Klaus-Peter. Method of and apparatus for the acoustic signalling of cases of drowning in swimming pools. 4,853,691, 8-1-89, Cl. 340-566.000.

Kolbe, Gunther: *See—*
- Eckstein, Wolfgang; and Kolbe, Gunther, 4,805,608, Cl. 128-202.260.

Kolbe, Joachim; Kummeler, Ferdinand; Miessen, Ralf; and Klee, Rudolf-Jurgen, to Bayer Aktiengesellschaft. Dressing agent for synthetic fibers. 4,863,478, 9-5-89, Cl. 8-115.600.

Kolbenschmidt Aktiengesellschaft: *See—*
- Baureis, Hans-Paul; Bickle, Wolfgang; and Lankreijer, Wilhelm, 4,836,695, Cl. 384-276.000.
- Becker, Karl; Berger, Alfred; Iwansky, Joachim; Koble, Roland; and Back, Karl, 4,865,467, Cl. 384-273.000.
- Bickle, Wolfgang, 4,812,367, Cl. 428-332.000.
- Braus, Jurgen; Baureis, Hans-Paul; and Bickle, Wolfgang, 4,847,135, Cl. 428-138.000.
- Essig, Gunder; and Bordt, Manfred, 4,809,652, Cl. 123-193.00P.
- Mielke, Siegfried; and Seitz, Norman, 4,831,918, Cl. 92-222.000.
- Mielke, Siegfried, 4,880,330, Cl. 403-152.000.
- Steidle, Werner, 4,887,519, Cl. 92-228.000.
- Strasser, Erwin, 4,829,955, Cl. 123-193.0CP.
- Werner, Heribert; Grothe, Klaus; and Kreuzer, Martin, 4,836,57[illegible], Cl. 280-731.000.

Kolberg, Kenneth D.: *See—*
- Wilhelm, John J.; Kolberg, Kenneth D.; Cole, William G.; and Calhoun, Gregory L., 4,831,703, Cl. 29-157.40R.

Kolbig, Kunigunde: *See—*
- Eck, Herbert; Fleischmann, Gerald; Prasse, Alfred; and Kolbig, Kunigunde, 4,874,638, Cl. 427-222.000.

Kolbus GmbH & Co. KG: *See—*
- Kampen, Jan-Dieter; and Schroder, Karl-Friedrich, 4,889,461, Cl. 412-19.000.
- Rathert, Horst, 4,801,036, Cl. 270-58.000.

Kolchakov, Kiril H.: *See—*
- Zapryanov, Yordan D.; Boyadjiev, Dimcho I.; Mladenov, Desko I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadin B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michail P.; and Kolev, Kolyo E., 4,814,993, Cl. 364-442.000.

Kolcraft Products, Inc.: *See—*
- Johnson, Edward M., 4,886,315, Cl. 297-250.000.

Kolczynski, Ronald: *See—*
- Wu, Hai-Ping; and Kolczynski, Ronald, 4,823,298, Cl. 364-735.000.

Kold Plast A/S: *See—*
- Pontoppidan, Eskild, 4,813,570, Cl. 220-306.000.

Kolecki, Norman S.; Rarick, Thomas L.; and Fox, Harry W., Jr., to Picker International, Inc. Electronic control for light weight, portable x-ray system. 4,823,250, 4-18-89, Cl. 363-71.000.

Kolektor P. O.: *See—*
- Kogej, Boris; and Potocnik, Joze, 4,872,255, Cl. 29-597.000.

Kolene Corporation: *See—*
- Cole, John M., 4,818,303, Cl. 148-20.000.

Kolesar, Edward S., Jr., to United States of America, Air Force. Ion detection using a differential resistance measurement of an ion exchange membrane. 4,871,427, 10-3-89, Cl. 204-1.00T.

Kolesar, Michael J.; and Bois, Philip J., to Digital Equipment Corporation. Surface mount technology repair station and method for repair of surface mount technology circuit boards. 4,817,851, 4-4-89, Cl. 228-119.000.

Kolesar, Robert R.; and Rickard, J. Terry, to United States of America, Navy. Ocean location marking using film forming polymers. 4,809,638, 3-7-89, Cl. 116-26.000.

Koleske, Joseph V.; and Kwiatkowski, George T., to Union Carbide Corporation. Photocopolymerizable compositions based on hydroxyl-containing organic materials and substituted cycloaliphatic monoepoxide reactive diluents. 4,812,488, 3-14-89, Cl. 522-31.000.

Koleske, Joseph V.; and McCarthy, Neil J., Jr., to Union Carbide Corporation. Blends of epoxides and monoepoxides. 4,814,361, 3-21-89, Cl. 522-170.000.

Koleske, Joseph V., to Union Carbide Corporation. Photocopolymerizable compositions based on epoxy and hydroxyl-containing organic materials having primary hydroxyl content. 4,818,776, 4-4-89, Cl. 522-31.000.

Koleske, Joseph V.; and Kwiatkowski, George T., to Union Carbide Corporation. Blends, of cyclic vinyl ether containing compounds and epoxides. 4,840,978, 6-20-89, Cl. 522-169.000.

Koleske, Joseph V.; Smith, Donald F., Jr.; and Weber, Robert J., Jr., to Union Carbide Corporation. (N-substituted carbamoyloxyalkanoyloxyalkyl acrylate polymers and compositions made therefrom. 4,847,329, 7-11-89, Cl. 525-162.000.

Koleske, Joseph V.; and Kwiatkowski, George T., to Union Carbide Corporation. Photocopolymerizable compositions based on epoxy and hydroxyl-containing organic materials and substituted cycloaliphatic monoepoxide reactive diluents. 4,874,798, 10-17-89, Cl. 522-31.000.

Kolesky, Johan. Digit nail cleaning device. 4,800,606, 1-31-89, Cl. 15-97.00R.

Kolev, Kolyo E.: *See—*
- Zapryanov, Yordan D.; Boyadjiev, Dimcho I.; Mladenov, Desko I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadin B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michail P.; and Kolev, Kolyo E., 4,814,993, Cl. 364-442.000.

Kolff, Willem J., to University of Utah Research Foundation. Ventricular assist device and method of manufacture. 4,838,889, 6-13-89, Cl. 623-3.000.

Kolganov, Gennady S.; Volkov, Stanislav S.; Rudnev, Jury A.; Mizin, Vladimir G.; and Ivashina, Evgeny N., to Nauchno-Proizvodstvennoe Obiedinenie "Tulachermet". Method of melting in an oxygen converter. 4,818,281, 4-4-89, Cl. 75-51.500.

Kolibas, James A., to Nordson Corporation. Circulating and dead end color changer with improved valves and manifolds. 4,830,055, 5-16-89, Cl. 137-884.000.

Kolimorgen Corporation: *See—*
- Schultz, Roy D.; England, Thomas R.; and Altizer, A. Clark, 4,868,970, Cl. 29-596.000.

Koln, Bernd; and Grun, Rudiger, to Ludwig Riedhammer Gmbh. Tunnel kiln. 4,884,969, 12-5-89, Cl. 432-133.000.

Kolinske, Edmund C.; and Uuskallio, Arvo F., to Briggs & Stratton Corporation. Engine speed control cable clip attachment. 4,889,006, 12-26-89, Cl. 74-502.400.

Koliwer, Wolfgang: *See—*
- Graf, Hans-Joachim; and Koliwer, Wolfgang, 4,854,841, Cl. 425-119.000.

Kolkmann, Friedrich; and Jodden, Klaus, to Hoechst Aktiengesellschaft. Process for removing metallic constituents from dust obtained during the electrothermal production of yellow phosphorus. 4,889,702, 12-26-89, Cl. 423-323.000.

Koll, Jochen; Muller, Friedhelm; Bieber, Werner; Konig, Joachim; Eckstein, Udo; and Theidel, Hans, to Bayer Aktiengesellschaft. Paper-coating slips containing fluorescent brighteners. 4,888,128, 12-19-89, Cl. 252-301.230.

Koll, Juhan, to Berol Kemi AB. Promoted nickel and/or cobalt catalyst, its use, and process performed in its presence. 4,855,505, 8-8-89, Cl. 564-398.000.

Koll, Juhan, to Berol Kemi AB. Process for preparing a ruthenium-promoted, halogen-containing nickel and/or cobalt catalyst and a catalyst prepared by the process. 4,863,890, 9-5-89, Cl. 502-230.000.

Koll, Larry F.: *See—*
- Clarkson, Curtis W.; and Koll, Larry F., 4,846,442, Cl. 251-328.000.

Koll, Laurel A.; and Watts, John E. Apparatus and methods for directing spray nozzles. 4,842,195, 6-27-89, Cl. 239-1.000.

Kollanyi, Miklos J.; and Buchanan, Frankie P., to GTE Communication Systems Corporation. Laser driver circuit. 4,809,286, 2-28-89, Cl. 372-38.000.

Kollarits, Richard V., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for direct color printing. 4,816,846, 3-28-89, Cl. 346-157.000.

Kolle, Erich: *See—*
- Maisel, Manfred; Kolle, Erich; and Hauenstein, Gerhard, 4,837,850, Cl. 455-58.000.

Kolle, Jack J., to United States of America, Air Force. Highly reliable method of rapidly generating pressure pulses for demolition of rock. 4,863,220, 9-5-89, Cl. 299-16.000.

Kollegger, Martin. Tool for center-punching and scribing workpieces. 4,823,468, 4-25-89, Cl. 30-368.000.

Koller, Beverly H.: *See—*
- Orr, Harry T.; and Koller, Beverly H., 4,835,098, Cl. 435-6.000.

Koller, David C.: *See—*
- Gruchalla, Michael E.; and Koller, David C., 4,797,628, Cl. 330-54.000.

Koller, Ernst; and Wolfbeis, Otto S. Pyrenesulfonic acids useful in fluorescent lipid probes. 4,844,841, 7-4-89, Cl. 562-55.000.

Koller, Floyd G., to Auto-Valve, Inc. Drain valve. 4,880,029, 11-14-89, Cl. 137-329.060.

Koller, Gerhard, to Ing. h.c.F. Porsche Aktiengesellschaft. Camshaft for an internal combustion engine. 4,821,693, 4-18-89, Cl. 123-193.00H.

Koller, Gregory V.; and Koller, Harold A. Portable cushioned floor system. 4,860,516, 8-29-89, Cl. 52-480.000.

Koller, Harold A.: *See—*
- Koller, Gregory V.; and Koller, Harold A., 4,860,516, Cl. 52-480.000.

Koller, Josef: *See—*
- Beffa, Fabio; and Koller, Josef, 4,799,933, Cl. 8-404.000.
- Pustener, Alois; Back, Gerhard; and Koller, Josef, 4,818,246, Cl. 8-437.000.

Koller Manufacturing Corporation: *See—*
- Carroll, William M., 4,819,890, Cl. 242-199.000.
- Carroll, William M., 4,845,820, Cl. 29-173.000.
- Carroll, William M., 4,878,632, Cl. 242-199.000.

Koller, Roland; and Dittrich, Horst, to Karl Storz GmbH & Co. Instrument for insertion into an endoscope shaft. 4,852,550, 8-1-89, Cl. 128-4.000.

Koller, Werner. Dental sleeve and its use. 4,838,790, 6-13-89, Cl. 433-219.000.

Kollerup, Finn; and Daugulis, Andrew J., to Queen's University at Kingston. Process for extractive fermentation. 4,865,973, 9-12-89, Cl. 435-43.000.

Kolleth, Horst; and Wieczorek, Andreas, to Voest-Alpine Aktiengesellschaft. Loading device, in particular bucket-wheel excavator. 4,805,756, 2-21-89, Cl. 198-314.000.

Kollin, Joel S., to Massachusetts Institute of Technology. Time multiplexed auto-stereoscopic three-dimensional imaging system. 4,853,769, 8-1-89, Cl. 358-88.000.

Kollmann, James D., to Brunswick Corporation. Fuel injector. 4,834,291, 5-30-89, Cl. 239-408.000.

Kollmorgen Corporation: *See—*
- Bryne, John V.; and McMullin, Francis, 4,887,465, Cl. 73-313.000.
- Cornelius, Paul A.; Hochstrasser, Robin M.; Kallenbach, Neville R.; Rubin, Harvey; and Todaro, George J., 4,880,512, Cl. 204-157.610.
- Duffy, John; Paunovic, Milan; Christian, Stephen M.; and McCormack, John F., 4,814,197, Cl. 427-8.000.
- Kohm, Thomas S., 4,804,575, Cl. 428-209.000.
- Kravetz, Alan G., 4,795,254, Cl. 356-243.000.
- McMullin, Francis, 4,820,961, Cl. 318-587.000.
- McMullin, Francis, 4,866,468, Cl. 318-254.000.

Kollmorgen Technologies Corporation: *See—*
- England, Thomas R., 4,797,592, Cl. 310-154.000.
- Frisch, David C.; Manzione, Louis T.; Poelzing, Gerhard W.; and Weber, Wilhelm, 4,837,129, Cl. 430-319.000.
- McMullin, Francis; Byrne, John V.; and Murray, Aengus, 4,853,604, Cl. 318-653.000.
- Morino, Ronald; Swiggett, Brian E.; Keogh, Raymond J.; and Crowell, Jonathan C., 4,818,322, Cl. 156-272.800.
- Swiggett, Brian E.; Morino, Ronald; Keogh, Raymond J.; Crowell, Jonathan C.; Szenczy, George; Schoenberg, Andrew J.; and Friedrich, Marju L., 4,859,807, Cl. 174-68.500.

Kollross, Gunter. Process and device for segmenting a length of sausage, produced in an automatic filling machine, into a plurality of sausages separable or separated from one another. 4,847,951, 7-18-89, Cl. 17-33.000.

Kolmar Cosmetics (Europa) AG: *See—*
- Loeliger, Arnold, 4,863,301, Cl. 401-82.000.

Kolmar Laboratories Inc.: *See—*
- Berg, Richard D.; Murphy, John H.; and Casperson, Stephen, 4,814,165, Cl. 424-63.000.
- Murphy, John H.; Curtis, Ernest S.; and Horton, Donald D., 4,820,518, Cl. 424-401.000.

Kolmayer, Andre: *See—*
- Thomazet, Joel; and Kolmayer, Andre, 4,804,516, Cl. 376-439.000.

Kolmes, Nathaniel H.; and Plemmons, Harold F. Wire wrapped yarn for protective garments. 4,838,017, 6-13-89, Cl. 57-210.000.

Kolner, Brian H.: *See—*
- Nazarathy, Moshe; Dolfi, David W.; and Kolner, Brian H., 4,843,586, Cl. 364-822.000.

Kolobow, Theodor, to United States of America, Health and Human Services. Method for improved use of heart/lung machine. 4,889,137, 12-26-89, Cl. 128-898.000.

Kolodesh, Michael S.; Toms, Douglas; and Pierson, Bruce A., to Procter & Gamble Company, The. Method of and apparatus for separating juice sacs from the sectional membranes of a fruit meat section. 4,873,106, 10-10-89, Cl. 426-481.000.

Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gosselin, Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, to Procter & Gamble Company, The. Method of and apparatus for extracting juice and meat from a fruit. 4,885,182, 12-5-89, Cl. 426-482.000.

Kolodner, Paul R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for measuring the temperature profile of a surface. 4,819,658, 4-11-89, Cl. 128-736.000.

Kolodny, Gerald M.; and Cohen, Howard I., to Sudbury Systems, Inc. Remote typing system. 4,856,069, 8-8-89, Cl. 381-52.000.

Kolody, Robert E. Dual beverage dispenser. 4,832,231, 5-23-89, Cl. 222-144.500.

Kolodziej, Helmut, to Statomat-Globe Maschienenfabrik GmbH. Unloading method and apparatus for a cable finishing system. 4,875,571, 10-24-89, Cl. 198-431.000.

Kolodziej, Helmut: *See—*
- Muskulus, Willi; Kolodziej, Helmut; and Nitsch, Helmut, 4,852,249, Cl. 29-825.000.

Kolomayets, George: *See—*
- Robards, Chester F., Jr.; and Kolomayets, George, 4,846,461, Cl. 272-72.000.

Kolomeets, Sergei D.; Krivoshlykov, Alexei J.; Ostafiev, Vladimir A.; and Tymchik, Grigory S. Cutting process control system for CNC metal cutting machine tools. 4,866,360, 9-12-89, Cl. 318-577.000.

Kolon Industries, Inc.: *See—*
- Park, Ho J.; Kim, Seo W.; Jin, Jung I.; and Lee, Suck H., 4,816,552, Cl. 528-271.000.
- Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seog C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.

Kolonia, Robert A. Interchangeable hand tool and handle therefor. 4,841,597, 6-27-89, Cl. 16-114.00R.

Kolonics, Zoltan: *See—*
- Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.

Kolonko, Kenneth J.: *See—*
- Bennett, S. John; Barnes, Michael W.; and Kolonko, Kenneth J., 4,853,051, Cl. 149-19.400.

Kolos, Zsuzsanna: *See—*
- Knausz, Dezso; Csakvari, Bela; Gebhardt, Istvan; Meszticzky, Aranka; Kolos, Zsuzsanna; Rohonczy, Janos; Szederkenyi, Ferenc; Ujszaszy, Kamian; and Volford, Janos, 4,831,173, Cl. 556-420.000.

Kolowski, Michael A.: *See—*
- Gasowski, Chester J.; Kolowski, Michael A.; Smithkey, John C.; and Ford, Thomas L., 4,854,361, Cl. 152-552.000.

Goergen, Rene ; Hitzky, Leo J.; Miller, Frederick W.; Galante, Richard L.; Waibel, Terry J.; Kolowski, Michael A.; and Hopkins, William M., 4,823,855, Cl. 152-209.00R.

Kolp, Robert J.: *See—*

Lee, Leighton, II; and Kolp, Robert J., 4,804,468, Cl. 210-232.000.

Kolp, Robert J., Jr.; Anderson, Stephen E.; and Dickey, Jeffrey C., to Lee Company, The. High-pressure pin plug. 4,867,333, 9-19-89, Cl. 220-234.000.

Kolpak, Miroslav M., to Atlantic Richfield Company. Three phase fluid flow measuring system. 4,852,395, 8-1-89, Cl. 73-61.10R.

Kolpe, Vasant V.: *See—*

Ahlberg, Carl S.; Chamberlin, Davis W.; Bushong, Jerold W.; Oliveira, Robert J.; and Kolpe, Vasant V., 4,880,076, Cl. 181-130.000.

Kolstad, Robert A., to MDT Corporation. Germicidal iodophor composition. 4,867,897, 9-19-89, Cl. 252-106.000.

Kolstedt, Mark; and Dye, John F., to Kendall Company, The. Portable sequential compression device. 4,858,596, 8-22-89, Cl. 128-24.00R.

Kolterman, Kristine M.: *See—*

Anderson, Charles C.; Kolterman, Kristine M.; and Turner, Sam R., 4,795,692, Cl. 430-283.000.

Koltermann, Horst: *See—*

Otzipka, Willi; Koltermann, Horst; Leipnitz, Michael; and Zeuge, Gunter, 4,802,081, Cl. 369-136.000.

Kolton, Chester; and Spater, Stuart S., to B & G Plastics, Inc. Hanger for supporting plural garments. 4,884,726, 12-5-89, Cl. 223-91.000.

Kolts, John H.; and Kukes, Simon G., to Phillips Petroleum Company. Catalytic oxidation of carbon monoxide. 4,808,394, 2-28-89, Cl. 423-437.000.

Kolts, John H., to Phillips Petroleum Company. Catalyst for oxidation of carbon monoxide and process for preparing the catalyst. 4,818,745, 4-4-89, Cl. 502-327.000.

Kolts, John H.; and Delzer, Gary A., to Phillips Petroleum Company. Composition of matter and method for conversion of C_3 and C_4 hydrocarbons. 4,829,041, 5-9-89, Cl. 502-303.000.

Kolts, John H., to Phillips Petroleum Company. Oxidation of carbon monoxide and catalyst composition therefor. 4,830,844, 5-16-89, Cl. 423-437.000.

Kolts, Juri: *See—*

Burnette, Colin; and Kolts, Juri, 4,866,999, Cl. 73-87.000.

Koluvek, Roland H., to Rosemount Inc. Three wire amplifier circuit with diagnostic capabilities. 4,829,253, 5-9-89, Cl. 324-438.000.

Kolvites, Albert; and Brancher, Rodney E., to InterMetro Industries Corporation. Shelf support system having a triangular support post. 4,811,670, 3-14-89, Cl. 108-107.000.

Kolvites, Albert: *See—*

Welch, Robert J.; Kolvites, Albert; and White, Robert M., 4,875,696, Cl. 280-47.340.

Kolwert, Alois: *See—*

Herwig, Jens; Kolwert, Alois; Sutter, Hubert; and Woltjes, Dieter, 4,882,393, Cl. 525-330.200.

Kolze, Barbara J.: *See—*

Kolze, Lawrence A.; and Kolze, Barbara J., 4,863,098, Cl. 236-12.120.

Kolze, Lawrence A.; and Kolze, Barbara J. Flow modulating control valve assembly. 4,863,098, 9-5-89, Cl. 236-12.120.

Kolzer, Klaus K. Reinforcing material. 4,820,575, 4-11-89, Cl. 428-240.000.

Koma, Hachiro: *See—*

Kato, Kaoru; Koma, Hachiro; and Kawai, Masashi, 4,832,117, Cl. 165-151.000.

Komabashiri, Takamichi; Mitani, Toragoro; Yamauchi, Hiroaki; and Yasui, Hideo, to Kanegafuchi Chemical Industry Co., Ltd. Method of cleaning the interior of polymerization reactor. 4,863,524, 9-5-89, Cl. 134-22.190.

Komabashiri, Takamichi: *See—*

Yamauchi, Hiroaki; Mitani, Toragoro; and Komabashiri, Takamichi, 4,795,800, Cl. 528-229.000.

Yasui, Hideo; Mitani, Toragoro; and Komabashiri, Takamichi, 4,805,650, Cl. 134-57.00R.

Komada, Hajime: *See—*

Honda, Zenjiro; Komada, Hajime; and Karakane, Hiroki, 4,824,573, Cl. 210-640.000.

Komada, Kenya: *See—*

Hirasawa, Junichi; Kodama, Yutaka; Komada, Kenya; and Adachi, Takefumi, 4,866,482, Cl. 355-260.000.

Komai, Kensaku; and Imanishi, Yoshiaki, to Sharp Kabushiki Kaisha. Electronic cash register. 4,829,429, 5-9-89, Cl. 364-405.000.

Komai, Kensaku: *See—*

Ohnishi, Souichi; Toda, Tadahiro; Komai, Kensaku; and Sugihara, Masuo, 4,807,186, Cl. 364-900.000.

Toda, Tadahiro; Ohnishi, Souichi; Komai, Kensaku; and Sugihara, Masuo, 4,851,994, Cl. 364-200.000.

Komai, Koichi: *See—*

Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, 4,826,902, Cl. 524-168.000.

Komai, Takahiko, to Mitsuboshi Belting Ltd. Power transmission belt. 4,869,711, 9-26-89, Cl. 474-263.000.

Komai, Takao: *See—*

Enomoto, Toshihiko; Nakashima, Yasuo; Watanabe, Takashi; Komai, Takao; and Mochizuki, Tatsuya, 4,887,436, Cl. 62-155.000.

Komai, Yukio; and Oda, Keijiro, to Toyo Tire & Rubber Company Limited. Radial tire. 4,858,666, 8-22-89, Cl. 152-556.000.

Komaki, Hiroshi: *See—*

Iemura, Takusuke; Gotoh, Takeshi; and Komaki, Hiroshi, 4,821,887, Cl. 211-1.500.

Komamura, Tawara; and Ohya, Hidenobu, to Konica Corporation. Thermally developable light-sensitive material. 4,847,188, 7-11-89, Cl. 430-545.000.

Komamura, Tawara; Ikeuchi, Satoru; Iwagaki, Masaru; Sasaki, Takashi; and Ishikawa, Wataru, to Konishiroku Photo Industry Co., Ltd. Method of forming color diffusion transfer image by heat development. 4,871,647, 10-3-89, Cl. 430-201.000.

Komamura, Tawara: *See—*

Iwagaki, Masaru; Masukawa, Toyoaki; Komamura, Tawara; Ishikawa, Wataru; and Hoshino, Kimie, 4,840,870, Cl. 430-201.000.

Kohno, Junichi; Okauchi, Ken; Goto, Sohei; Iwagaki, Masaru; and Komamura, Tawara, 4,837,141, Cl. 430-559.000.

Komanduri, Ranga, to General Electric Company. Polycrystalline diamond and CBN cutting tools. 4,797,138, 1-10-89, Cl. 51-293.000.

Komanecky, Richard J., to Foseco International Limited. Tap hole plugs for metallurgical vessels. 4,828,226, 5-9-89, Cl. 266-45.000.

Komano, Hiroshi, to Tokyo Ohka Kogyo Co., Ltd. Positive photosensitive o-quinone diazide composition with benzotriazole carboxylic acid or alkyl ester. 4,847,178, 7-11-89, Cl. 430-191.000.

Komaransky, Anthony J.; and Armington, Raymond Q., to Ranpak Corp. Method and mechanism for producing cushioning dunnage product. 4,839,210, 6-13-89, Cl. 428-77.000.

Komarneni, Sridhar; and Roy, Rustum, to United States of America, Energy. Process for cesium decontamination and immobilization. 4,808,318, 2-28-89, Cl. 210-682.000.

Komarneni, Sridhar: *See—*

Roy, Rustum; and Komarneni, Sridhar, 4,829,031, Cl. 501-134.000.

Komaroff, Iwan: *See—*

Kaczynski, Bernhard; Schmitt, Alfred; Eblen, Ewald; and Komaroff, Iwan, 4,821,696, Cl. 123-298.000.

Komaru, Masaki: *See—*

Badono, Shinji; Komaru, Masaki; and Tomoda, Toshimasa, 4,817,122, Cl. 378-88.000.

Tomoda, Toshimasa; Badono, Shinji; and Komaru, Masaki, 4,885,759, Cl. 378-53.000.

Komasaki, Hisayuki: *See—*

Akasaka, Hidemichi; Komasaki, Hisayuki; and Arai, Takayuki, 4,801,539, Cl. 435-101.000.

Komata, Shinji. Power transmission device. 4,889,518, 12-26-89, Cl. 464-102.000.

Komathu, Kathuzi, to Citizen Watch Co., Ltd. Method of molding a protective cover on a pin grid array. 4,822,550, 4-18-89, Cl. 264-263.000.

Komatsu, Chizu: *See—*

Suzuki, Toshihiro; and Komatsu, Chizu, 4,831,199, Cl. 570-208.000.

Komatsu Dresser Company: *See—*

Betlinski, Glenn M.; and Voss, Dennis A., 4,844,217, Cl. 192-4.20A.

Deli, Jack M.; Nagorzanski, Al J.; Karpiel, Harvey B.; and Pass, Marino J., 4,844,195, Cl. 180-9.500.

Karlak, Daniel L., 4,817,731, Cl. 172-464.000.

Komatsu Electronic Metals Co., Ltd.: *See—*

Maruya, Shinji; Yatsurugi, Yoshifumi; and Togashi, Kazuya, 4,857,270, Cl. 420-578.000.

Komatsu, Fumio; Miyoshi, Motosuke; and Okumura, Katsuya, to Kabushiki Kaisha Toshiba. Apparatus and method for controlling irradiation of an electron beam at a fixed position in an electron beam tester system. 4,807,159, 2-21-89, Cl. 364-524.000.

Komatsu, Fumito; Tezuka, Tuneo; Toyama, Akiyoshi; and Iwasaki, Kiyoharu, to Kabushiki Kaisha Sankyo Seiko Seisakusho. Magnetic tape drive machine. 4,796,120, 1-3-89, Cl. 360-96.500.

Komatsu, Fumito; Oguchi, Yuzo; Toyama, Akiyoshi; and Iwasaki, Kiyoharu, to Kabushiki Kaisha Sankyo Seiki Seisakusho. Disk-type recording and reproducing apparatus. 4,802,040, 1-31-89, Cl. 360-78.040.

Komatsu, Haruo; and Yamada, Atsushi, to Koito Manufacturing Co., Ltd. Display device. 4,811,179, 3-7-89, Cl. 362-256.000.

Komatsu, Haruo; and Suzuki, Takashi, to Koito Seisakusho Co., Ltd. Motion translating mechanism for use as a window regulator or the like. 4,878,391, 11-7-89, Cl. 74-89.200.

Komatsu, Hideki: *See—*

Morikawa, Akihiko; Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Oshima, Noboru; Hamada, Tatsuro; Fukuoka, Hiromi; Komatsu, Hideki; and Fujimaki, Tatsuo, 4,835,216, Cl. 525-77.000.

Komatsu, Hirokazu: *See—*

Nojiri, Akio; Komatsu, Hirokazu; Shishikura, Hidehito; and Horiguchi, Masao, 4,832,770, Cl. 156-78.000.

Komatsu, Hiroshi, to Nissan Motor Co., Ltd. Compact turbine housing. 4,802,820, 2-7-89, Cl. 415-201.000.

Komatsu, Hirotake, to Nippon Gakki Seizo Kabushiki Kaisha; and Komatsu, Hirotake. High speed, low power consumption pickup head position control device in an optical type disc reproducing device. 4,803,675, 2-7-89, Cl. 369-32.000.

Komatsu, Ikuo: *See—*

Okamoto, Eisaku; and Komatsu, Ikuo, 4,882,964, Cl. 84-611.000.

Komatsu, Isamu: *See—*

Hoshi, Nobuyoshi; Anzai, Masayasu; Komatsu, Isamu; and Akimaru, Susumu, 4,822,702, Cl. 430-42.000.

Kumasaka, Takao; Mitsuya, Teruaki; Komatsu, Isamu; Fujiwara, Shigetaka; and Shimazaki, Yuzuru, 4,862,828, Cl. 118-656.000.

Komatsu, Junichi; Fujikawa, Toshiaki; and Mizuno, Koji, to Sharp Kabushiki Kaisha. Programmable system for inputting & Processing data using visually perceptible data entry frames. 4,807,123, 2-21-89, Cl. 364-200.000.

Komatsu, Kazunari: *See—*

Onaga, Kazuo; Tanaka, Katsuyuki; and Komatsu, Kazunari, 4,816,800, Cl. 338-34.000.

Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, to Fuji Photo Film Co., Ltd. Method for preparing a magnetic recording medium. 4,844,946, 7-4-89, Cl. 427-48.000.

Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, to Fuji Photo Film Co., Ltd. Method of producing magnetic recording medium. 4,874,633, 10-17-89, Cl. 427-48.000.

Komatsu, Kazuyoshi: *See—*

Narimatsu, Osamu; Ito, Michiyasu; Komatsu, Kazuyoshi; and Shibata, Yasuhiro, 4,853,286, Cl. 428-343.000.

Komatsu, Keiro; and Fujiwara, Masahiko, to NEC Corporation. Device and method for providing optical bistability with free carrier recombination centers introduced into an optical guide surrounding semiconductor layer portion. 4,795,241, 1-3-89, Cl. 350-354.000.

Komatsu, Keisaku; Yamada, Takashi; and Ohwatari, Toshimi, to Kaken Kogyo, Co., Ltd. Paint peeling composition and paint peeling method. 4,844,833, 7-4-89, Cl. 252-174.130.

Komatsu, Keisaku; Ohwatari, Toshimi; and Yamada, Takashi, to Kaken Kogyo, Co., Ltd. Paint peeling composition. 4,867,900, 9-19-89, Cl. 252-174.230.

Komatsu, Kenichi; Tawara, Kiyoshi; Nishihara, Eitaro and Fujimoto, Seiji, to Kabushiki Kaisha Toshiba. Database system. 4,817,050, 3-28-89, Cl. 364-900.000.

Komatsu, Kenichi, to Kabushiki Kaisha Toshiba. Linear photo sensing device. 4,887,139, 12-12-89, Cl. 357-30.000.

Komatsu, Koichi: *See—*

Mukai, Masato; and Komatsu, Koichi, 4,802,269, Cl. 29-149.50C.

Komatsu, Kosuke: *See—*

Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.

Komatsu, Ltd.: *See—*

Bengtsson, Bengt G.; Larsson, Ove; and Lenschow, Per, 4,815,911, Cl. 414-7.000.

Komatsu, Masafumi: *See—*

Wakui, Tadahiro; Yoshino, Kenji; Komatsu, Masafumi; Kumazawa, Yumiko; Yamagishi, Touru; and Izumi, Mitsuhiko, 4,851,497, Cl. 528-176.000.

Komatsu, Masashi: *See—*

Okada, Reiichi; Komatsu, Masashi; Asanuma, Shin; and Hiratsuka, Noriko, 4,830,616, Cl. 433-217.100.

Komatsu, Masato; Baba, Isao; Narukawa, Kiyotada; Yamamoto, Noboru; and Kanai, Tsuyoshi, to Tonen Sekiyukagaku Kabushiki Kaisha. Method of manufacture of thermoplastic elastomer compounds. 4,801,651, 1-31-89, Cl. 525-195.000.

Komatsu, Masato; Baba, Isao; and Yamamoto, Noboru. Method of production of thermoplastic elastomer compounds. 4,871,796, 10-3-89, Cl. 524-474.000.

Komatsu, Masato; Baba, Isao; Mikami, Takashi; Narukawa, Kiyotada; and Kanai, Tsuyoshi, to Toa Nenryo Kogyo Kabushiki Kaisha. Method for preparation of thermoplastic resin composition. 4,873,288, 10-10-89, Cl. 525-194.000.

Komatsu, Michio, to NEC Corporation. Semiconductor device isolated by a pair of field oxide regions. 4,853,340, 8-1-89, Cl. 437-20.000.

Komatsu, Michiyasu: *See—*

Komeya, Katsutoshi; Hashimoto, Masahiro; Nishida, Katsutoshi; and Komatsu, Michiyasu, 4,879,263, Cl. 501-97.000.

Komatsu, Mikio: *See—*

Yabe, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Minoru; Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsugu; Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 343-700.0MS.

Komatsu, Minoru. Vibration tester for screws. 4,862,746, 9-5-89, Cl. 73-572.000.

Komatsu, Moriyuki: *See—*

Mizutani, Junichi; Muroi, Ryoichi; Hayashi, Chikahisa; Sano, Yoshio; and Komatsu, Moriyuki, 4,843,477, Cl. 358-248.000.

Komatsu, Nobuhiro, to Mazda Motor Corporation. Steering assembly supporting structure of a motor vehicle. 4,826,234, 5-2-89, Cl. 296-70.000.

Komatsu, Nobuyuki: *See—*

Ushima, Yoshiyuki; Mizoguchi, Shozo; and Komatsu, Nobuyuki, 4,809,765, Cl. 164-122.100.

Komatsu, Noriko: *See—*

Tsuru, Sumiaki; Mori, Shoichi; Komatsu, Noriko; and Fujii, Shigeo, 4,865,733, Cl. 210-266.000.

Komatsu, Norimasa, to Alps Electric Co., Ltd. Magnetic head adjusting device for a double cassette tape player. 4,847,714, 7-11-89, Cl. 360-109.000.

Komatsu, Norimasa, to Alps Electric Co., Ltd. Double cassette tape player. 4,862,301, 8-29-89, Cl. 360-92.000.

Komatsu Seiren Co., Ltd.: *See—*

Murakami, Shuichi; and Shimano, Yasunao, 4,840,817, Cl. 427-45.100.

Komatsu, Shigeru. Dental implant. 4,802,847, 2-7-89, Cl. 433-176.000.

Komatsu, Shigeru, to Kabushiki Kaisha Toshiba. Method of making a bipolar semiconductor device. 4,824,799, 4-25-89, Cl. 437-162.000.

Komatsu, Shigeru, to Kabushiki Kaisha Toshiba. Semiconductor device and a method of manufacturing the same. 4,879,252, 11-7-89, Cl. 437-31.000.

Komatsu, Shigeru, to Kabushiki Kaisha Toshiba. Semiconductor device and a method of manufacturing the same. 4,882,290, 11-21-89, Cl. 437-31.000.

Komatsu, Shigeru; and Inoue, Hiroshi, to Tokyo Shibaura Denki Kabushiki Kaisha. Method of manufacturing a bipolar transistor. 4,888,306, 12-19-89, Cl. 437-162.000.

Komatsu, Shuichi: *See—*

Ikegawa, Sumio; Komatsu, Shuichi; Arai, Shinji; Ashida, Sumio; and Yasuda, Nobuaki, 4,839,861, Cl. 365-113.000.

Ikegawa, Sumio; Hori, Akio; Komatsu, Shuichi; Arai, Shinji; and Yasuda, Nobuaki, 4,855,992, Cl. 369-275.000.

Komatsu, Takashi; and Terada, Eiichi, to Idemitsu Petrochemical Co., Ltd. Halogenated copoly carbonate end capped with pentahalaphenoxy group. 4,831,100, 5-16-89, Cl. 528-198.000.

Komatsu, Takashi; and Terada, Eiichi, to Idemitsu Petrochemical Co., Ltd. Polycarbonate end capped with pentahalophenoxy group. 4,888,410, 12-19-89, Cl. 528-198.000.

Komatsu, Teruo: *See—*

Sato, Hideki; Komatsu, Teruo; and Sugiura, Yoshinori, 4,800,401, Cl. 346-108.000.

Komatsu, Toshiyasu: *See—*

Yoshida, Kazuo; Hirose, Kenji; Komatsu, Toshiyasu; Shimoyama, Kazuaki; and Tsuji, Yoshihito, 4,829,948, Cl. 123-90.160.

Komatsu, Toshiyuki; Hirai, Yutaka; Nakagawa, Katsumi; and Fukuda, Tadaji, to Canon Kabushiki Kaisha. CVD process for forming an image forming member for electrophotography. 4,830,946, 5-16-89, Cl. 430-128.000.

Komatsu, Toshiyuki: *See—*

Fukuda, Tadaji; Hirai, Yutaka; Nakagawa, Katsumi; and Komatsu, Toshiyuki, 4,818,656, Cl. 430-65.000.

Inoue, Eiichi; Shimizu, Isamu; and Komatsu, Toshiyuki, 4,877,709, Cl. 430-128.000.

Nakagawa, Katsumi; Komatsu, Toshiyuki; Hirai, Yutaka; Omata, Satoshi; Osada, Yoshiyuki; and Nakagiri, Takashi, 4,814,842, Cl. 357-23.700.

Nakagawa, Katsumi; Komatsu, Toshiyuki; Seitoh, Shinichi; and Hatanaka, Katsunori, 4,827,345, Cl. 358-213.270.

Nakagawa, Katsumi; Kawakami, Soichiro; Gofuku, Ihachiro; Hatanaka, Katsunori; Fukaya, Masaki; and Komatsu, Toshiyuki, 4,845,355, Cl. 250-211.00J.

Komatsu, Yasuaki: *See—*

Tanaka, Hideshi; Yagi, Kazuyuki; Tanimoto, Shigeru; Komatsu, Yasuaki; Yanagawa, Koichi; and Kuboyama, Yoichi, 4,885,528, Cl. 324-57.00R.

Komatsu, Yasuhiro, to Hosiden Electronics Co., Ltd. Pin plug with an optical fiber. 4,802,728, 2-7-89, Cl. 350-96.200.

Komatsu, Yasuhiro, to Hosiden Electronics Co., Ltd. Electrical connector. 4,810,203, 3-7-89, Cl. 439-326.000.

Komatsu, Yasuhiro, to Hosiden Electronics Co., Ltd. Multipin connector. 4,810,210, 3-7-89, Cl. 439-610.000.

Komatsu, Yasuhiro, to Hosiden Electronics Co., Ltd. Shielded connector socket for connection with a multipin connector plug. 4,854,895, 8-8-89, Cl. 439-610.000.

Komatsu, Yasuhiro, to Hosiden Electronics Co., Ltd. Connector. 4,859,199, 8-22-89, Cl. 439-267.000.

Komatsu, Yasuhiro: *See—*

Tahara, Yoshiyuki; Koyama, Hiroyasu; Komatsu, Yasuhiro; Kubota, Reiko; and Takahashi, Toshihiro, 4,857,529, Cl. 514-255.000.

Komatsu, Yasuji: *See—*

Yoshimura, Narihiko; Komatsu, Yasuji; and Tomizawa, Hirotaka, 4,886,613, Cl. 252-79.000.

Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, 4,886,614, Cl. 252-79.000.

Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, 4,889,650, Cl. 252-79.000.

Komatsu, Yoji: *See—*

Sakimori, Hideharu; Komatsu, Yoji; Ida, Daijiro; and Takahashi, Seiji, 4,845,821, Cl. 29-213.100.

Sakimori, Hideharu; Komatsu, Yoji; Ito, Masahiro; and Ohkuma, Nobuyoshi, 4,887,341, Cl. 29-156.40R.

Komatsu, Yukinari; and Nakamura, Katsuyuki, to Asahi Kasei Kogyo Kabushiki Kaisha. Process for production of a carbon filament. 4,816,289, 3-28-89, Cl. 423-447.300.

Komatsu, Yukio: *See—*

Saitoh, Yoshihiro; Kondoh, Minoru; and Komatsu, Yukio, 4,855,656, Cl. 318-587.000.

Komatsu Zenoah Co.: *See—*

Ebinuma, Takanori; Kato, Hiroshi; and Sakurai, Mituko, 4,798,182, Cl. 123-195.00R.

Kiyooka, Katsumi, 4,817,230, Cl. 15-330.000.

Matsunaga, Takao; Nakajima, Kazuo; and Kobayashi, Masaki, 4,802,555, Cl. 184-15.100.

Ueno, Tetsuo; and Kiyooka, Katsumi, 4,815,430, Cl. 123-195.00R.

Ueno, Tetsuo; and Kiyooka, Katsumi, 4,821,691, Cl. 123-185.00B.

Komatsubara, Hirofumi: *See—*

Kozawa, Tadashi; Natsume, Naohiro; Komatsubara, Hirofumi; Takaku, Yasunori; Kato, Kiyoshi; and Harada, Seiichi, 4,854,830, Cl. 417-365.000.

Yamada, Yutaka; Kozawa, Tadashi; Natsume, Naohiro; and Komatsubara, Hirofumi, 4,872,806, Cl. 415-55.500.

Komatsubara, Kiichi; Tanuma, Seiichi; Okabe, Katsuya; and Katsuyama, Toshio, to Hitachi, Ltd. Intercalation compound and generator of coherent radiation using the same. 4,887,273, 12-12-89, Cl. 372-41.000.

Komatsubara, Norio: *See—*
Kitamura, Noboru; and Komatsubara, Norio, 4,854,435, Cl. 192-41.00A.
Komatsubara, Takeo: *See—*
Yamane, Ryozo; Kurihara, Takashi; Kaise, Hiroshi; Komatsubara, Takeo; and Sunaga, Takashi, 4,800,013, Cl. 208-19.000.
Komatsubara, Toshio; and Matsuo, Mamoru, to Sky Aluminium Co., Ltd. Production process for aluminum-alloy rolled sheet. 4,808,247, 2-28-89, Cl. 148-2.000.
Komatsubara, Toshio; Muramatsu, Toshiki; and Matsuo, Mamoru, to Sky Aluminium Co., Ltd. Aluminum-alloy rolled sheet and production method therefor. 4,838,958, 6-13-89, Cl. 148-11.50A.
Komatsuzaki, Hiroshi: *See—*
Fujita, Yoshihiro; Komatsuzaki, Hiroshi; Shoji, Masao; Noguchi, Yukio; Hirai, Masayoshi; and Ohno, Kazunori, 4,887,109, Cl. 354-222.000.
Tanaka, Yasuhiko; Iwai, Fumio; Kobayashi, Hideo; and Komatsuzaki, Hiroshi, 4,829,328, Cl. 354-173.100.
Yokota, Mitsuo; and Komatsuzaki, Hiroshi, 4,868,590, Cl. 354-195.100.
Komatsuzaki, Shigeki: *See—*
Uematsu, Takao; Suzuki, Hiroshi; Komatsuzaki, Shigeki; and Nakano, Fumio, 4,803,000, Cl. 252-32.500.
Komatsuzaki, Yasuo, to Texas Instruments Incorporated. Semiconductor heat-treating apparatus. 4,823,480, 4-25-89, Cl. 34-218.000.
Komatu, Atuyoshi: *See—*
Shinozawa, Yusaku; Komatu, Atuyoshi; Okada, Masahiro; Yamada, Hiroshi; and Fujita, Masatoshi, 4,809,529, Cl. 72-31.000.
Komatu, Tomio: *See—*
Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.
Komauer, Christian: *See—*
El-Nashar, Ibrahim; Jaussi, Francois; Kirchhofer, Hubert; Komauer, Christian; Mayer, Andreas; Perevuznik, Josef; and Spinnler, Fritz, 4,796,595, Cl. 123-559.200.
Komax AG: *See—*
Koch, Max, 4,858,311, Cl. 29-857.000.
Komax Systems, Inc.: *See—*
King, L. Tony, 4,808,007, Cl. 366-337.000.
King, L. Tony, 4,886,368, Cl. 366-150.000.
Kombinat "Korabostroene": *See—*
Mihailov, Mihail V., 4,852,643, Cl. 165-113.000.
Komeda, Tadao: *See—*
Kameyama, Shuichi; Komeda, Tadao; Kobushi, Kazuhiro; and Sakai, Hiroyuki, 4,839,302, Cl. 437-31.000.
Takemoto, Toyoki; Komeda, Tadao; Yamada, Haruyasu; and Fujita, Tsutomu, 4,826,780, Cl. 437-37.000.
Komendowski, Henry: *See—*
Weiler, Gerhard H.; and Komendowski, Henry, 4,865,777, Cl. 261-122.000.
Komeno, Junji: *See—*
Kasai, Kazumi; Itoh, Hiromi; Tanaka, Hitoshi; Oh-hori, Tatsuya; and Komeno, Junji, 4,883,020, Cl. 118-719.000.
Komenou, Kazunari: *See—*
Fujiwara, Yoshiro; Endo, Michiko; Kojima, Yuji; Wakatsuki, Noboru; Hirano, Akira; and Komenou, Kazunari, 4,810,965, Cl. 324-208.000.
Suzuki, Toshihiro; Todokoro, Yasuyuki; and Komenou, Kazunari, 4,877,717, Cl. 430-321.000.
Komet Stahlhalter- und Werkzeugfabrik Robert Breuning GmbH: *See—*
Killinger, Bernd, 4,889,456, Cl. 408-224.000.
Kometani, Kiichi: *See—*
Karasawa, Hiroo; Kometani, Kiichi; and Okita, Kiyomi, 4,879,328, Cl. 524-109.000.
Komeya, Katsutoshi; Hashimoto, Masahiro; Nishida, Katsutoshi; and Komatsu, Michiyasu, to Kabushiki Kaisha Toshiba. Sliding member of high strength and high abrasion resistance. 4,879,263, 11-7-89, Cl. 501-97.000.
Komeya, Seiji; and Hara, Mitsuhiro, to Kajima Press Industry Co., Ltd. Container device used in a vehicle. 4,852,932, 8-1-89, Cl. 296-37.900.
Komeyama, Yoshihiro: *See—*
Kembo, Yukio; Komeyama, Yoshihiro; Ikeda, Minoru; and Inagaki, Akira, 4,825,453, Cl. 378-34.000.
Komfortventilation Teknik AB: *See—*
Dellrud, Rolf; and Hagstrom, Ulf, 4,850,333, Cl. 126-25.00A.
Kominami, Shinya: *See—*
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Kominami, Yasuo: *See—*
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Kominato, Kazunori: *See—*
Nishijima, Nobuyuki; Kominato, Kazunori; and Matsuda, Hiroaki, 4,808,800, Cl. 235-58.0CF.
Komine, Hiroaki: *See—*
Iguchi, Kazuo; Soejima, Tetsuo; Amemiya, Shigeo; and Komine, Hiroaki, 4,850,047, Cl. 455-612.000.
Komine, Hitoshi; and Chino, Kiyozumi, to Uro Denshin Kogyo Kabushiki Kaisha. Shield case for television signal branch distributor. 4,810,830, 3-7-89, Cl. 174-35.0GC.
Komine, Isamu; Kobayashi, Masataka; and Ariga, Shiro, to Nippon Kokan Kabushiki Kaisha. Method and apparatus for determining length of pipe utilizing sound waves. 4,852,407, 8-1-89, Cl. 73-597.000.
Komine, Isamu: *See—*
Miyazaki, Takao; Yamada, Yoshiro; and Komine, Isamu, 4,872,758, Cl. 356-381.000.
Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, 4,874,955, Cl. 250-550.000.
Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, 4,881,126, Cl. 358-160.000.
Komine, Kikuji: *See—*
Izumi, Takayuki; Komine, Kikuji; and Kobayashi, Wataru, 4,810,437, Cl. 264-29.200.
Komine, Ryuichi; and Sano, Osamu, to Koyo Seiko Co., Ltd. Hydraulic reaction controlling apparatus for power steering system. 4,848,500, 7-18-89, Cl. 180-142.000.
Komine, Shigeo: *See—*
Ejiri, Kiyomi; and Komine, Shigeo, 4,828,903, Cl. 428-141.000.
Iida, Shinobu; Fujiyama, Masaaki; Komine, Shigeo; and Yamada, Keisuke, 4,888,212, Cl. 427-130.000.
Matsufuji, Akihiro; and Komine, Shigeo, 4,839,225, Cl. 428-336.000.
Komine, Takashi: *See—*
Nakamura, Yoichi; Yamamoto, Shirushi; Komine, Takashi; Yokota, Akira; and Nakane, Hisashi, 4,797,348, Cl. 430-326.000.
Komine, Tomio: *See—*
Kajioka, Yasuo; Okada, Akira; Komine, Tomio; and Shimizu, Satoru, 4,848,960, Cl. 404-112.000.
Kominek, Jiri; Zehentgruber, Otto; and Salzbrunn, Wolfgang, to Vogelbusch Gesellschaft m.b.H. Arrangement for growing permanent forms of microorganisms. 4,868,122, 9-19-89, Cl. 435-285.000.
Kominiak, Andrew A.: *See—*
Borgstrom, Alan D.; Stepniak, Frank M.; and Kominiak, Andrew A., 4,863,392, Cl. 439-185.000.
Komischke, Karl-Heinz, to Schmalbach-Lubeca AG. Closure for receptacles for receiving free-flowing filling material. 4,860,934, 8-29-89, Cl. 222-534.000.
Komiya, Hirokazu: *See—*
Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanaka, Akira, 4,872,439, Cl. 123-518.000.
Komiya, Jujiro, to Shinwa Sangyo Co., Ltd. Counter-flow square type cooling tower. 4,804,503, 2-14-89, Cl. 261-153.000.
Komiya, Katsuo; and Kato, Yoshio, to Tosoh Corporation. Packing material and process for its production. 4,835,058, 5-30-89, Cl. 428-405.000.
Komiya, Katsuo: *See—*
Kitayama, Ryuichi; Komiya, Katsuo; and Kato, Yoshio, 4,830,921, Cl. 428-406.000.
Komiya, Katsuyuki, to Mazda Motor Corporation. Vehicle suspension mechanism. 4,798,397, 1-17-89, Cl. 280-690.000.
Komiya, Kiyoshi: *See—*
Sano, Yasuo; Morisue, Yasuhiro; Komiya, Kiyoshi; and Nakamura, Yoshimasa, 4,831,111, Cl. 528-363.000.
Komiya, Kyosuke: *See—*
Yokota, Masahisa; Shimizu, Atsushi; Komiya, Kyosuke; Yamataka, Kazunori; and Nonura, Tadanori, 4,855,377, Cl. 528-25.000.
Komiya, Ryohei: *See—*
Yamamoto, Takemi; Kobayakawa, Koji; Sasaki, Ichiro; Komiya, Ryohei; Sago, Akira; Takagi, Izumi; Sakai, Jun; and Matsumoto, Yumio, 4,851,881, Cl. 335-27.000.
Yamamoto, Takemi; Komiya, Ryohei; Hatta, Naoyuki; Matsumoto, Yumio; and Sunda, Fumihiro, 4,870,444, Cl. 355-1.000.
Komiya, Yoshinori: *See—*
Mogi, Takao; Yuzawa, Keiji; Komiya, Yoshinori; Suematsu, Masayuki; and Tagami, Fujio, 4,843,289, Cl. 318-600.000.
Suzuki, Masakazu; Suematsu, Masayuki; and Komiya, Yoshinori, 4,858,006, Cl. 358-139.000.
Komiya, Yoshiyuki, to Nippon Thompson Co., Ltd. Dust-free rolling contact bearing assembly. 4,867,578, 9-19-89, Cl. 384-15.000.
Komiya, Yukiatsu; Ishida, Masao; Hirai, Koji; and Okaya, Takuji, to Kuraray Co., Ltd. Polyamideimide elastomer and production thereof. 4,816,544, 3-28-89, Cl. 528-73.000.
Komiya, Yutaka, to Canon Kabushiki Kaisha. Image reproducing equipment. 4,812,910, 3-14-89, Cl. 358-282.000.
Komiya, Yutaka: *See—*
Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
Miyata, Masanori; Komiya, Yutaka; Nakamura, Shinichi; Hirose, Masayuki; Mori, Toshihiko; and Nakayama, Tomobumi, 4,825,250, Cl. 355-14.00R.
Komiyama, Hiroshi: *See—*
Inoue, Hakuai; and Komiyama, Hiroshi, 4,842,832, Cl. 423-211.000.
Komiyama, Makoto: *See—*
Hirai, Hidefumi; Komiyama, Makoto; and Hara, Susumu, 4,864,071, Cl. 585-829.000.
Hirai, Hidefumi; Komiyama, Makoto; and Otaki, Michitaka, 4,888,248, Cl. 438-403.000.
Komiyama, Noboru; Oguma, Masayuki; and Miyamoto, Noriko, to Lion Corporation. Denture adhesive. 4,804,412, 2-14-89, Cl. 106-35.000.
Komiyama, Tadashi: *See—*
Nakajima, Mutsuo; Kuboyama, Hisaharu; Komiyama, Tadashi; Kimura, Hiroshi; and Yoshida, Kenji, 4,831,162, Cl. 549-534.000.
Komizo, Yuichi: *See—*
Murayama, Junichiro; and Komizo, Yuichi, 4,839,242, Cl. 428-660.000.

K.G. Coles & Co. Pty. Limited: *See—*
Coles, Kenneth G., 4,841,870, Cl. 104-44.000.
Kommanditgesellschaft Speiko Dr. Speier GmbH. & Co. NACHF.: *See—*
Schricker, Hanns; and Bialy, Heinz-Dieter, 4,830,614, Cl. 433-79.000.
Komoda, Hideaki: *See—*
Hirota, Hozumi; Shimasaki, Yukihiro; Komoda, Hideaki; and Ota, Ikuo, 4,803,133, Cl. 428-695.000.
Torii, Hideo; Aoki, Masaki; Komoda, Hideaki; Aoki, Nobuyuki; Ota, Ikuo; and Ochiai, Keiichi, 4,886,714, Cl. 428-694.000.
Komoda, Norihisa: *See—*
Kawashima, Kazuhiro; Komoda, Norihisa; Harada, Shunichi; Mitsumori, Sadamichi; and Taniguchi, Kouichi, 4,839,803, Cl. 364-403.000.
Nakamura, Masahiro; Murata, Tomohiro; Komoda, Norihisa; Kera, Kazuo; Tsuchitani, Kenji; and Matsumoto, Kuniaki, 4,802,094, Cl. 364-468.000.
Tsushima, Isao; Komoda, Norihisa; Yagi, Masao; and Kusuzaki, Tetsuo, 4,852,001, Cl. 364-401.000.
Komoda, Tadanori, to NGK Insulators, Ltd. Porous ceramic filter. 4,810,273, 3-7-89, Cl. 55-487.000.
Komoda, Tomohisa; Ishizuka, Mamoru; Tsuchimoto, Shuhei; and Yoshikawa, Mitsuhiko, to Sharp Kabushiki Kaisha. Perpendicular magnetic recording medium. 4,824,539, 4-25-89, Cl. 204-192.200.
Komoda, Tsutomu: *See—*
Saitou, Norio; Okumura, Masahide; Komoda, Tsutomu; and Ooyama, Mitsuo, 4,829,444, Cl. 364-468.000.
Komori, Akihiro; and Hirano, Muneyoshi, to Yoshida Kogyo K. K. Screen unit with built-in blind. 4,877,076, 10-31-89, Cl. 160-107.000.
Komori, Akihiro; and Hirano, Muneyoshi, to Yoshida Kogyo K. K. Sash assembly with built-in blind. 4,884,613, 12-5-89, Cl. 160-107.000.
Komori, Atsushi: *See—*
Nikaido, Hideyuki; Takayuki, Naoi; Komori, Atsushi; and Nihei, Mitsuo, 4,852,383, Cl. 72-407.000.
Komori Currency Technology UK Ltd.: *See—*
Rendell, Michael R., 4,843,959, Cl. 101-301.000.
Komori, Hideo: *See—*
Yarita, Takao; Komori, Hideo; Ogasawara, Koji; and Takami, Hiroaki, 4,877,061, Cl. 139-224.00R.
Komori, Hirohito: *See—*
Taniuchi, Akira; Komori, Hirohito; and Niwa, Koichi, 4,883,843, Cl. 525-327.600.
Komori, Hiroshi: *See—*
Fujimura, Yoshisaburo; Kataoka, Kenzo; Yuba, Akira; and Komori, Hiroshi, 4,826,431, Cl. 433-29.000.
Komori, Itaru: *See—*
Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.
Komori, Kazuhiro: *See—*
Kosa, Yasunobu; and Komori, Kazuhiro, 4,818,718, Cl. 437-52.000.
Okuyama, Kousuke; Uchida, Ken; Kusuyama, Kouichi; Meguro, Satoshi; Katto, Hisao; and Komori, Kazuhiro, 4,818,716, Cl. 437-49.000.
Sugiura, June; and Komori, Kazuhiro, 4,872,041, Cl. 357-23.500.
Komori, Keiji; Ohta, Masaru; Sawada, Takashi; and Matsuo, Masaaki, to Toyo Ink Mfg. Co., Ltd. Opaquing method and apparatus thereof. 4,835,576, 5-30-89, Cl. 355-40.000.
Komori, Ken-ichi, to Sanyo Electric Co., Ltd. Parts mounting apparatus. 4,858,308, 8-22-89, Cl. 29-740.000.
Komori Printing Machinery Co., Ltd.: *See—*
Hoshi, Toshio, 4,846,064, Cl. 101-419.000.
Kida, Kenji, 4,823,695, Cl. 101-230.000.
Komori, Tatsuo; and Sugiyama, Hiroyuki, 4,836,103, Cl. 101-231.000.
Komori, Tatsuo, 4,848,265, Cl. 118-46.000.
Kota, Toshio, 4,815,413, Cl. 118-46.000.
Kusaka, Akehiro, 4,805,893, Cl. 271-258.000.
Motohashi, Chuzabro, 4,844,441, Cl. 271-240.000.
Nozawa, Kenji, 4,838,160, Cl. 101-183.000.
Ohyoshi, Hisaaki; and Saito, Nobuaki, 4,861,016, Cl. 271-215.000.
Saito, Nobuaki, 4,831,929, Cl. 101-230.000.
Sugiyama, Hiroyuki; Komori, Tatsuo; and Takamatsu, Hiroshi, 4,833,988, Cl. 101-349.000.
Watanabe, Hideo, 4,841,859, Cl. 101-233.000
Watanabe, Hideo; and Kurata, Yoshiaki, 4,874,247, Cl. 356-402.000.
Komori, Seiichi; and Muramatsu, Toyojiro, to Kowa Co., Ltd.; and Teika Seiyaku Co., Ltd. Wound-healing preparations. 4,844,898, 7-4-89, Cl. 424-150.000.
Komori, Shinji; Takata, Hidehiro; Tamura, Toshiyuki; and Asai, Fumiyasu, to Mitsubishi Denki Kabushiki Kaisha. Hand-shake type data transfer control circuit. 4,882,704, 11-21-89, Cl. 364-900.000.
Komori, Shinji: *See—*
Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.
Komori, Tadaaki: *See—*
Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.
Komori, Takashi; Asahi, Masahiko; and Suzuki, Toshiyuki, to Kao Corporation. Cosmetic. 4,839,162, 6-13-89, Cl. 424-63.000.
Komori, Tatsuo; and Sugiyama, Hiroyuki, to Komori Printing Machinery Co., Ltd. Cylinder apparatus of sheet-fed rotary press. 4,836,103, 6-6-89, Cl. 101-231.000.
Komori, Tatsuo, to Komori Printing Machinery Co., Ltd. Printing apparatus having coating function. 4,848,265, 7-18-89, Cl. 118-46.000.
Komori, Tatsuo: *See—*
Sugiyama, Hiroyuki; Komori, Tatsuo; and Takamatsu, Hiroshi, 4,833,988, Cl. 101-349.000.
Komori, Toshiyuki: *See—*
Egi, Hiroshi; and Komori, Toshiyuki, 4,835,525, Cl. 340-578.000.
Komori, Yukimichi: *See—*
Kubodera, Akiko; Tanaka, Touichi; and Komori, Yukimichi, 4,888,163, Cl. 424-1.100.
Komorita, Kazuo; and Onodera, Kaoru, to Konishiroku Photo Industry Co., Ltd. Silver halide photographic light-sensitive material. 4,837,143, 6-6-89, Cl. 430-621.000.
Komorita, Kazuo; and Onodera, Kaoru, to Konishiroku Photo Industry Co., Ltd. Silver halide color photographic light-sensitive material comprising a specific combination of color couplers. 4,863,840, 9-5-89, Cl. 430-505.000.
Komoriya, Akira: *See—*
Packard, Beverly; Edidin, Michael; and Komoriya, Akira, 4,889,916, Cl. 525-54.100.
Komoro, Hidemasa: *See—*
Izumida, Yukihiro; Shirai, Shoji; Komoro, Hidemasa; Majima, Kazuo; and Yamaguchi, Akio, 4,833,364, Cl. 313-414.000.
Shirai, Shoji; Komoro, Hidemasa; Takahashi, Yoshiaki; Fukushima, Masakazu; and Majima, Kazuo, 4,833,365, Cl. 313-414.000.
Komorowski, Jacek S., to Litens Automotive Partnership. Belt tensioner with releasable belt load damping. 4,824,421, 4-25-89, Cl. 474-135.000.
Komoto, Akira, to Shimadzu Corporation. Electronic balance. 4,799,561, 1-24-89, Cl. 177-229.000.
Komoto, Mitsuo; Matsuo, Youichi; and Sano, Toshifumi, to NEC Corporation. Liquid cooling system for integrated circuit chips. 4,854,377, 8-8-89, Cl. 165-80.400.
Komoto, Mitsuo: *See—*
Ichimura, Yoshiaki; Ishizuka, Shinichi; Komoto, Mitsuo; and Umesato, Shoji, 4,880,399, Cl. 439-689.000.
Ichimura, Yoshiaki; Takegawa, Katumi; Mizusawa, Yoshinori; Komoto, Mitsuo; and Umesato, Shoji, 4,887,974, Cl. 439-259.000.
Noda, Atsuhito; Ichimura, Yoshiaki; Komoto, Mitsuo; and Umesato, Shoji, 4,832,611, Cl. 439-70.000.
Komoto, Nobuo: *See—*
Arita, Masanobu; Arai, Kiyoshi; Komoto, Nobuo; Hirose, Setsuko; and Sekine, Takeshi, 4,822,822, Cl. 514-655.000.
Komoto, Shigeo; McConnell, Oliver J.; and Cross, Sue S., to Harbor Branch Oceanographic Institution, Inc. Antiviral furanoditerpenoids. 4,801,607, 1-31-89, Cl. 514-468.000.
Komoto, Shigeo; and Gunawardana, Y. A., to Harbor Branch Oceanographic Institution, Inc. Alkaloid compounds, and pharmaceutical compositions containing them. 4,868,191, 9-19-89, Cl. 514-280.000.
Komoto, Yasuhiko, to NEC Corporation. Microprogram controller for detecting the occurrence of an interrupt request or a termination of a string instruction. 4,885,682, 12-5-89, Cl. 364-200.000.
Komp, Karl-Heinz; and Walczak, Bruno, to Schumag AG. Method for straight-line drawing of round material. 4,805,434, 2-21-89, Cl. 72-282.000.
Kompanek, Harry W.; and Ming, Rickey H., to KDC Corporation. Typewriter keyboard. 4,878,057, 10-31-89, Cl. 341-34.000.
Kompis, Ivan: *See—*
Jolidon, Synese; Locher, Rita; Kompis, Ivan; Weiss, Ekkehard; and Wyss, Pierre-Charles, 4,806,541, Cl. 514-254.000.
Komura, Akihiko: *See—*
Hotta, Yoshio; Ohnuma, Kenji; and Komura, Akihiko, 4,802,740, Cl. 350-341.000.
Komura, Fuminobu: *See—*
Kato, Makoto; Homma, Koichi; Komura, Fuminobu; and Furuya, Toshihiro, 4,803,358, Cl. 250-310.000.
Komura, Masahiko; and Ohno, Masafumi, to Rinnai Corporation. Operation apparatus. 4,802,841, 2-7-89, Cl. 431-47.000.
Komura, Masaru: *See—*
Hirahara, Hideaki; Takabe, Tatsuo; Ishida, Kazuya; Saijo, Hiromitsu; Matsuda, Shinya; and Komura, Masaru, 4,814,820, Cl. 355-300.000.
Komura, Shuji: *See—*
Fujii, Masanori; Komura, Shuji; and Oogami, Shunsuke, 4,855,204, Cl. 430-106.000.
Komurasaki, Keiichi; and Hayashi, Hideyuki, to Mitsubishi Denki Kabushiki Kaisha. Setting device for vehicle generator. 4,835,428, 5-30-89, Cl. 310-68.00D.
Komurasaki, Satoshi, to Mitsubishi Denki Kabushiki Kaisha. Electronic ignition apparatus including ignition-noise making signal generator. 4,862,863, 9-5-89, Cl. 123-645.000.
Komurasaki, Satoshi, to Mitsubishi Denki Kabushiki Kaisha. Vibration detecting device. 4,869,095, 9-26-89, Cl. 73-35.000.

Komurasaki, Satoshi: *See—*
  Fujimoto, Takanori; Hara, Toshiro; and Komurasaki, Satoshi, 4,856,479, Cl. 123-425.000.
Komurasaki, Satosi, to Mitsubishi Denki Kabushiki Kaisha. Ignition timing control apparatus for an internal combustion engine. 4,840,158, 6-20-89, Cl. 123-419.000.
Komurasaki, Takeshi: *See—*
  Nakajima, Tomohiro; and Komurasaki, Takeshi, 4,869,582, Cl. 350-631.000.
Komuro, Hirokazu; and Ikeda, Masami, to Canon Kabushiki Kaisha. Liquid jet recording head. 4,873,622, 10-10-89, Cl. 346-140.00R.
Komuro, Hirokazu; and Ikeda, Masami, to Canon Kabushiki Kaisha. Method of manufacturing a liquid jet recording head. 4,881,318, 11-21-89, Cl. 29-827.000.
Komuro, Hirokazu, to Canon Kabushiki Kaisha. Method of preparing a substrate for ink jet head and method of preparing an ink jet head. 4,889,587, 12-26-89, Cl. 156-643.000.
Komuro, Hirokazu: *See—*
  Shiozaki, Atsushi; Komuro, Hirokazu; Sato, Koichi; and Masuda, Kazuaki, 4,860,033, Cl. 346-140.00R.
  Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,804,974, Cl. 346-76.0PH.
  Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,845,513, Cl. 346-76.0PH.
  Sugata, Masao; Masaki, Tatsuo, deceased; Hirasawa, Shinichi; Komuro, Hirokazu; and Yano, Yasuhiro, 4,847,639, Cl. 346-140.00R.
  Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,851,808, Cl. 338-308.000.
  Sugata, Masao; Masaki, Tatsuo, deceased; Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, 4,870,388, Cl. 338-308.000.
Komuro, Katsumi, to AMP Incorporated. Electrical connector applicator. 4,825,530, 5-2-89, Cl. 29-566.300.
Komuro, Katsumi, to AMP Incorporated. Harness-receiving apparatus. 4,838,407, 6-13-89, Cl. 198-406.000.
Komuro, Katsumi, to AMP Incorporated. Method and apparatus for making a harness. 4,881,321, 11-21-89, Cl. 29-861.000.
Komuro, Kenichi: *See—*
  Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu. 4,796,151, Cl. 361-171.000.
  Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, 4,884,207, Cl. 364-431.030.
Komuro, Shuichi: *See—*
  Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.
Komuro, Takao: *See—*
  Fukushima, Tsutomu; Nakao, Tsugio; Yamashita, Kasane; Komuro, Takao; and Nishi, Katsuhiro, 4,889,697, Cl. 423-140.000.
Komuro, Toshihiko, to Canon Kabushiki Kaisha; and Canon Seiki Kabushiki Kaisha. Speed reducer. 4,825,727, 5-2-89, Cl. 74-801.000.
Komuro, Yoshihiro: *See—*
  Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
Kon, Makoto: *See—*
  Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Sizuo; and Ichihara, Yoshiyuki, 4,814,895, Cl. 358-229.000.
  Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Shizuo; and Ichihara, Yoshiyuki, 4,835,600, Cl. 358-51.000.
Kon, Masahiko: *See—*
  Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kon, Masahiko, 4,814,260, Cl. 430-464.000.
Kon, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hino, Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, to Dainippon Pharmaceutical Co., Ltd. Substituted benzamide derivatives, for enhancing gastrointestinal motility. 4,870,074, 9-26-89, Cl. 514-233.800.
Kon, Tetsuaki: *See—*
  Moriyama, Nobuhiro; Kon, Tetsuaki; and Nagai, Aisaku, 4,851,682, Cl. 250-338.300.
Konagaya, Yoshiaki; Tanaka, Tooru; Takaine, Masami; and Tsubouchi, Toshihiro, to Japan Oxygen Co., Ltd. Process for treating combustible exhaust gases containing silane and the like. 4,801,437, 1-31-89, Cl. 423-210.000.
Konagaya, Yukio: *See—*
  Shimura, Ryochi; and Konagaya, Yukio, 4,833,021, Cl. 428-336.000.
Konai, Yutaka; Nakamura, Tadashi; Tanonaka, Takayuki; Yoshida, Kazuo; and Machida, Yoshihisa, to Kureha Kagaku Kogyo Kabushiki Kaisha. Preparation process of 4,4-dihydroxybiphenyl. 4,804,788, 2-14-89, Cl. 568-730.000.
Konai, Yutaka; Yoshida, Kazuo; and Hino, Masatoshi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Oxidation process of aromatic compounds. 4,825,007, 4-25-89, Cl. 568-815.000.
Konai, Yutaka: *See—*
  Matsuda, Toshiharu; Sasakawa, Atsushi; Hayashi, Shoichiro; and Konai, Yutaka, 4,873,366, Cl. 562-416.000.
  Tanonaka, Takayuki; Yamauchi, Takashi; Enari, Hiroyuki; and Konai, Yutaka, 4,814,521, Cl. 568-741.000.
Konak, A. Riza; and Bridle, Michael K., to Exxon Production Research Company. Method for treating a produced hydrocarbon-containing fluid. 4,869,830, 9-26-89, Cl. 210-708.000.
Konaka, Yukio, to Shibuya Kogyo Co. Ltd. Carton erecting apparatus. 4,871,348, 10-3-89, Cl. 493-315.000.
Konan Electric Co., Ltd.: *See—*
  Himeno, Toshio; Shimizu, Hitoshi; and Shinkai, Satoshi, 4,882,977, Cl. 92-5.00R.
Koncz, Istvan: *See—*
  Megyeri, Mihaly; Koncz, Istvan; Tiszai, Gyorgy; Paal, Tibor; and Szittar, Antal, 4,844,155, Cl. 166-261.000.
Konczak, Heinz: *See—*
  Rokos, Hartmut; Konczak, Heinz; and Forth, Wolfgang, 4,837,229, Cl. 514-517.000.
Konczykowska, Agnieszka: *See—*
  Mulawka, Jan; Konczykowska, Agnieszka; and Bon, Michel, 4,841,263, Cl. 333-173.000.
Konda, Hiroshi: *See—*
  Ohe, Junzo; and Konda, Hiroshi, 4,804,968, Cl. 343-713.000.
Kondis, Tom, to Silberline Manufacturing Co., Inc. Inhibitive treatment for aluminum pigments. 4,808,231, 2-28-89, Cl. 106-404.000.
Kondo, Akio, to Casio Computer Co., Ltd. Intelligent-type IC card containing IC circuit and battery. 4,827,111, 5-2-89, Cl. 235-380.000.
Kondo, Akira: *See—*
  Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Arai, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.
Kondo, Asaji: *See—*
  Akiyoshi, Yutaka; Kondo, Asaji; and Kitajima, Masao, 4,870,005, Cl. 435-7.000.
  Yazawa, Kenichiro; Seshimoto, Osamu; Kitajima, Masao; and Kondo, Asaji, 4,877,579, Cl. 422-56.000.
Kondo, Edward S.: *See—*
  Puritch, George S.; and Kondo, Edward S., 4,859,689, Cl. 514-358.000.
Kondo, Eiji: *See—*
  Asaka, Junichiro; Fujiwara, Tamio; Fujiwara, Takashi; Kuwajima, Goro; Kondo, Eiji; and Shin, Masaru, 4,886,748, Cl. 435-69.700.
Kondo, Harufusa: *See—*
  Ando, Hideki; Kondo, Harufusa; and Machida, Hirohisa, 4,811,267, Cl. 364-736.000.
Kondo, Haruyoshi: *See—*
  Kozuka, Kazuhiro; Ozasa, Toshihiro; Takahashi, Hideaki; and Kondo, Haruyoshi, 4,869,094, Cl. 73-2.600.
  Takahashi, Hideaki; Kondo, Haruyoshi; and Saji, Keiichi, 4,844,788, Cl. 204-406.000.
Kondo, Heihati: *See—*
  Ito, Hidekuni; and Kondo, Heihati, 4,819,773, Cl. 188-322.150.
Kondo, Hidehiro, to Aisin-Warner Limited. Vehicular automatic transmission control system. 4,833,945, 5-30-89, Cl. 74-866.000.
Kondo, Hidehiro; and Miki, Nobuaki, to Aisin-Warner Limited. Vehicular automatic transmission control system with gear shift inhibitor. 4,846,020, 7-11-89, Cl. 74-866.000.
Kondo, Hiroatsu; and Iwasaki, Arihiko, to I.M. Electronics Co. Ltd. Apparatus for discriminating paper moneys and stacking the same. 4,807,736, 2-28-89, Cl. 194-206.000.
Kondo, Hiroatsu, to I.M. Electronics Co., Ltd. Stacking apparatus for bank notes. 4,809,967, 3-7-89, Cl. 271-181.000.
Kondo, Hiroatsu; and Iwasaki, Akihiko, to I.M. Electronics Co. Ltd. Apparatus for discriminating paper money and stacking the same. 4,834,230, 5-30-89, Cl. 194-206.000.
Kondo, Hiroatsu; Ozawa, Toshiaki; Nakajima, Hiroharu; and Ueda, Hiroyuki, to Canon Kabushiki Kaisha. Carriage mechanism providing movement of a print wheel motor. 4,865,476, 9-12-89, Cl. 400-144.200.
Kondo, Hiroatsu: *See—*
  Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,846,593, Cl. 400-157.300.
  Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,880,325, Cl. 400-249.000.
Kondo, Hirohito, to Kyocera Corporation. Light beam scanning device. 4,818,046, 4-4-89, Cl. 350-6.800.
Kondo, Hiroki; Saito, Hiroaki; Katsumata, Makoto; and Kinoshita, Michitaka, to Yazaki Corporation. Connector terminal. 4,812,138, 3-14-89, Cl. 439-865.000.
Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Egashira, Noritaka; Iwata, Tamami; and Satake, Naoto, to Kanzaki Paper Manufacturing Co., Ltd.; and Dai Nippon Insatsu Kabushiki Kaisha. Image-receiving sheet for thermal transfer printing. 4,837,200, 6-6-89, Cl. 503-227.000.
Kondo, Hirosato: *See—*
  Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,808,584, Cl. 514-229.500.
  Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,853,469, Cl. 544-99.000.
Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, to Yoshida Kogyo K. K. Prefabricated window unit with air conditioning system. 4,796,519, 1-10-89, Cl. 98-97.000.
Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, to Yoshida Kogyo K. K. Duct mounting structure for prefabricated curtain wall with air conditioning system. 4,821,475, 4-18-89, Cl. 52-235.000.
Kondo, Hiroshi: *See—*
  Ohe, Junzo; and Kondo, Hiroshi, 4,804,966, Cl. 343-712.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,804,967, Cl. 343-712.000.

  Ohe, Junzo; and Kondo, Hiroshi, 4,806,942, Cl. 343-713.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,811,024, Cl. 343-712.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,811,025, Cl. 343-712.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,811,330, Cl. 455-277.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,816,837, Cl. 343-713.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,819,001, Cl. 345-712.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,821,042, Cl. 343-712.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,823,141, Cl. 343-713.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,823,142, Cl. 343-713.000.
  Ohe, Junzo; and Kondo, Hiroshi, 4,845,505, Cl. 343-712.000.
Kondo, Hiroyuki; Harada, Tadashi; and Uchida, Kihachiro, to Yazaki Corporation; and Koito Manufacturing Co., Ltd. Bulb socket for wedged-base bulb. 4,871,331, 10-3-89, Cl. 439-736.000.
Kondo, Hiroyuki: *See—*
  Kawasumi, Satoshi; Sugiura, Yuzuru; Kondo, Hiroyuki; Miwa, Akihiko; and Suzuki, Kazuhiko, 4,856,412, Cl. 91-369.200.
  Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.
Kondo, Hitoshi; Sasaki, Makoto; and Kobayashi, Yukio, to Bridgestone Corporation; and Nippon Oil Co., Ltd. Rubber compositions. 4,803,248, 2-7-89, Cl. 525-211.000.
Kondo, Hitoshi; and Kageyama, Masao, to Unitika Ltd. Reagent for measuring amylase activity and measuring method thereof. 4,812,398, 3-14-89, Cl. 435-14.000.
Kondo, Hitoshi; and Hata, Koichi, to Aisin Seiki Kabushiki Kaisha. Device for liquefying a gas. 4,824,454, 4-25-89, Cl. 62-37.000.
Kondo, Hitoshi; Kawamura, Hiroaki; Inagawa, Konosuke; Abe, Tetsuya; and Murakami, Yoshio, to Nihon Shinku Gijutsu Kabushiki Kaisha; and Japan Atomic Energy Research Institute. Method for joining ceramics. 4,844,323, 7-4-89, Cl. 228-121.000.
Kondo, Hitoshi: *See—*
  Imahori, Kazutomo; Kondo, Hitoshi; Nakajima, Hiroshi; and Iwasaki, Tatsuo, 4,882,276, Cl. 435-89.000.
  Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,886,623, Cl. 252-299.650.
Kondo, Isao: *See—*
  Hayakawa, Tsuyoshi; Yamauchi, Satoru; Watanabe, Isato; and Kondo, Isao, 4,796,239, Cl. 368-88.000.
Kondo, Itsuo: *See—*
  Ogasawara, Takayuki; Wakasa, Akinori; Hosokawa, Hideki; Machida, Minoru; and Kondo, Itsuo, 4,809,654, Cl. 123-271.000.
Kondo, Jiro: *See—*
  Saiki, Goro; Kondo, Jiro; Takeda, Koichi; Maki, Mutsuo; and Ooki, Tutomu, 4,812,166, Cl. 75-0.50C.
  Saiki, Goro; and Kondo, Jiro, 4,832,929, Cl. 423-346.000.
  Saiki, Goro; and Kondo, Jiro, 4,847,060, Cl. 423-346.000.
  Saiki, Goro; and Kondo, Jiro, 4,869,886, Cl. 423-346.000.
Kondo, Kaoru: *See—*
  Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kajuyosi; Umeda, Masahiro; Kondo, Kaoru; and Kaji, Yosifumi, 4,809,885, Cl. 222-174.000.
Kondo, Katsumi; Tsuchiya, Yasuhiro; Yamazawa, Yasushi; Terada, Masaki; Aoki, Tosio; Niimi, Takatsune; Yamamoto, Takashi; and Matsuba, Kunihiro, to Toyota Jidosha Kabushiki Kaisha. Method for production of fiber reinforced plastic structure. 4,849,027, 7-18-89, Cl. 156-166.000.
Kondo, Katsumi: *See—*
  Gunji, Yasuhiro; Okada, Sadayuki; Isogai, Masato; Kondo, Katsumi; Ibamoto, Masahiko; Kuwabara, Kazuhiro; and Kanke, Atsushi, 4,836,657, Cl. 350-350.00S.
  Ohwada, Junichi; and Kondo, Katsumi, 4,818,077, Cl. 350-350.00S.
  Yamazawa, Yasushi; Kondo, Katsumi; Tsuchiya, Yasuhiro; Koike, Shinji; and Terada, Masaki, 4,821,598, Cl. 74-552.000.
Kondo, Kazuhiko: *See—*
  Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.
Kondo, Kazuhiro; Suzuki, Toshiro; and Miyamoto, Takanori, to Hitachi, Ltd. Voice and data multiplexer system. 4,809,271, 2-28-89, Cl. 370-110.100.
Kondo, Kazuhiro: *See—*
  Miyamoto, Takanori; Nakabayashi, Sumie; Suzuki, Yoshiro; Kondo, Kazuhiro; and Niina, Shinichi. 4,864,608, Cl. 379-409.000.
Kondo, Kazumi: *See—*
  Abiko, Atsushi; Fujioka, Takafumi; Nakagawa, Kazuyuki; and Kondo, Kazumi, 4,845,100, Cl. 514-253.000.
  Tamada, Shigeharu; Fujioka, Takafumi; Ogawa, Hidenori; Teramoto, Shuji; and Kondo, Kazumi, 4,886,809, Cl. 514-312.000.
Kondo, Kazuo; Sukegawa, Tsuneyuki; and Morikawa, Asao, to NGK Spark Plug Co., Ltd. Method of connecting metal conductor to ceramic substrate. 4,801,067, 1-31-89, Cl. 228-123.000.
Kondo, Kazuo; Shiromizu, Hisaharu; Morikawa, Asao; and Sukegawa, Tsuneyuki, to NGK Spark Plug Co. Process for producing multilayer circuit board. 4,810,528, 3-7-89, Cl. 427-96.000.
Kondo, Kazuo; Morikawa, Asao; and Iwata, Hiroshi, to NGK Spark Plug Co., Ltd. High density multilayer wiring board and the manufacturing thereof. 4,837,408, 6-6-89, Cl. 174-68.500.
Kondo, Kazuo; Kurachi, Tatsunori; and Okuyama, Masahiko, to NGK Spark Plug Co., Ltd. Glaze compositions for ceramic substrates. 4,839,313, 6-13-89, Cl. 501-14.000.
Kondo, Kazuo; and Kurachi, Tatsunori, to NGB Spark Plug Co., Ltd. Method of manufacturing a thermal printing head having a partially-glazed ceramic substrate. 4,861,625, 8-29-89, Cl. 427-126.200.
Kondo, Kazuo; Morikawa, Asao; Iwata, Hiroshi; and Shibata, Yoshimasa, to NGK Spark Plug Co., Ltd. High-density wiring multilayered substrate. 4,871,608, 10-3-89, Cl. 428-209.000.
Kondo, Kazuo: *See—*
  Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.
Kondo, Kazuyoshi: *See—*
  Hiraishi, Shigetoshi; Koike, Naomasa; Kondo, Kazuyoshi; and Fuchigami, Mitsuru, 4,874,740, Cl. 503-201.000.
Kondo, Kenji; and Rai, Yasuhiko, to NEC Corporation. Semiconductor memory device having improved precharge scheme. 4,817,057, 3-28-89, Cl. 365-203.000.
Kondo, Kenji: *See—*
  Satomi, Mitsuo; Kuroe, Akio; Sawai, Eisuke; Higashionji, Masaru; Sakakima, Hiroshi; and Kondo, Kenji, 4,841,401, Cl. 360-125.000.
Kondo, Kenshi, to Nihon Den-Netsu Keiki Co., Ltd. Soldering apparatus. 4,848,642, 7-18-89, Cl. 228-37.000.
Kondo, Kenshi, to Nihon Den-Netsu Keiki Co., Ltd. Device for transferring printed circuit board. 4,874,081, 10-17-89, Cl. 198-803.900.
Kondo, Kenshi, to Nihon Den-Netsu Keiki Co., Ltd. Soldering apparatus. 4,876,437, 10-24-89, Cl. 219-388.000.
Kondo, Kenshi, to Nihon Den-Netsu Keiki Co., Ltd. Soldering apparatus. 4,889,273, 12-26-89, Cl. 228-8.000.
Kondo, Kideya: *See—*
  Yokoyama, Yoichi; Hamaguchi, Hiroaki; Kondo, Kideya; Kunimoto, Youichi; and Yano, Manabu, 4,855,701, Cl. 335-230.000.
Kondo, Kiyoshi; Matsui, Kiyohide; Negishi, Akira; and Takahatake, Yuriko, to Sagami Chemical Research Center. Process for preparing dihalovinylcyclopropanecarboxylates. 4,833,266, 5-23-89, Cl. 560-124.000.
Kondo, Kiyosi: *See—*
  Asano, Yasuhisa; Nakazawa, Akiko; Terashima, Shiro; Kondo, Kiyosi; Endo, Kaori; Hirai, Kenji; and Numao, Naganori, 4,849,345, Cl. 435-106.000.
Kondo, Kohichi, to Aisin Seiki Kabushiki Kaisha. Antiskid control system. 4,831,532, 5-16-89, Cl. 364-426.020.
Kondo, Koichi; and Suzuki, Nobuhiro, to Takeda Chemical Industries, Ltd. Immunochemical assay of carcinoembryonic antigen and reagent therefor. 4,816,390, 3-28-89, Cl. 435-7.000.
Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Ishida, Nobumasa; and Ishikawa, Junji, to Nippondenso Co., Ltd. Electroless copper plating solution. 4,814,009, 3-21-89, Cl. 106-1.230.
Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Isida, Nobumasa; and Isikawa, Junji, to Nippondenso Co., Ltd. Electroless copper plating solution and process for electrolessly plating copper. 4,834,796, 5-30-89, Cl. 106-1.230.
Kondo, Kozo: *See—*
  Tomoshige, Shozo; Obara, Hideto; Kondo, Kozo; Otomura, Keiichiro; and Yano, Soichiro, 4,832,924, Cl. 423-7.000.
Kondo, Kuniharu, to NGK Insulators, Ltd. A ceramic filter for semi-ultrafiltration. 4,874,516, 10-17-89, Cl. 210-490.000.
Kondo, Kuniharu: *See—*
  Urayama, Yuji; Kondo, Kuniharu; and Nakatsukasa, Takeshi, 4,806,861, Cl. 324-212.000.
Kondo, Kunio: *See—*
  Yamamoto, Takeshi; Kondo, Kunio; Yoshimura, Hiroshi; Wada, Yoshihiro; and Wada, Fusazo, 4,876,139, Cl. 428-200.000.
Kondo, Makio: *See—*
  Ozeki, Yoshiaki; Kondo, Makio; and Taniguchi, Hayashi, 4,811,113, Cl. 358-261.100.
Kondo, Makoto: *See—*
  Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.
Kondo, Masafumi: *See—*
  Hayakawa, Toshiro; Suyama, Takahiro; Kondo, Masafumi; Takahashi, Kohsei; and Yamamoto, Saburo, 4,841,533, Cl. 372-45.000.
  Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,845,724, Cl. 372-45.000.
  Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,852,111, Cl. 372-46.000.
  Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,860,297, Cl. 372-45.000.
  Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,887,274, Cl. 372-45.000.
  Suyama, Takahiro; Takahashi, Kohsei; Yamamoto, Saburo; Hayakawa, Toshiro; and Kondo, Masafumi, 4,807,235, Cl. 372-19.000.
  Suyama, Takahiro; Hayakawa, Toshiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,835,783, Cl. 372-46.000.
  Suyama, Takahiro; Takahashi, Kosei; Kondo, Masafumi; and Hayakawa, Toshiro, 4,862,470, Cl. 372-45.000.
Kondo, Masahide: *See—*
  Hamada, Akio; Tsujii, Gen; Fuse, Genzo; and Kondo, Masahide, 4,841,113, Cl. 219-110.000.
Kondo, Masahiro: *See—*
  Miyake, Akio; Kondo, Masahiro; and Fujino, Masahiko, 4,864,022, Cl. 540-222.000.

Nakagawa, Hiroaki; Kondo, Masahiro; and Ohishi, Noriake, 4,812,279, Cl. 264-311.000.
Kondo, Masaki: *See—*
  Hosoda, Masahiro; Sasaki, Kazuaki; Kondo, Masaki; and Yamamoto, Saburo, 4,860,299, Cl. 372-46.000.
Kondo, Masami: *See—*
  Fujitani, Makoto; Hirabayashi, Masashi; Honda, Hideo; Machida, Hiroshi; Kondo, Masami; and Onoda, Sachio, 4,884,956, Cl. 418-15.000.
Kondo, Masatsune; Ogura, Kiyoshi; and Kuramoto, Koiti, to Sumitomo Naugatuck Co., Ltd. Heat resistant copolymer composition. 4,877,833, 10-31-89, Cl. 525-64.000.
Kondo, Masayoshi: *See—*
  Shindo, Takuji; Naito, Hiromitsu; Kondo, Masayoshi; Fukuyama, Takashi; Koizumi, Masaaki; and Fukada, Nobuo, 4,886,559, Cl. 148-421.000.
Kondo, Michimasa: *See—*
  Nomoto, Kohei; Kirimoto, Tetsuo; and Kondo, Michimasa, 4,864,490, Cl. 364-157.000.
Kondo, Michitada; Minai, Masayoshi; Kai, Seiichi; Higashii, Takayuki; and Ueda, Yuji, to Sumitomo Chemical Company, Limited. Process for producing 2-aceylfuran derivatives. 4,812,585, 3-14-89, Cl. 549-483.000.
Kondo, Mikio: *See—*
  Morimoto, Makoto; and Kondo, Mikio, 4,795,908, Cl. 250-353.000.
Kondo, Mitsuru: *See—*
  Kanda, Nobuo; Abe, Yukihiro; and Kondo, Mitsuru, 4,803,193, Cl. 503-209.000.
  Yonese, Naoki; Okamoto, Tosaku; and Kondo, Mitsuru, 4,828,957, Cl. 430-138.000.
Kondo, Mitsushige: *See—*
  Shikama, Shinsuke; Kondo, Mitsushige; and Toide, Eiichi, 4,797,545, Cl. 250-201.000.
  Shikama, Shinsuke; Toide, Eiichi; and Kondo, Mitsushige, 4,811,329, Cl. 369-116.000.
  Shikama, Shinsuke; Kondo, Mitsushige; and Tiode, Eiichi, 4,823,335, Cl. 369-112.000.
  Toide, Eiichi; Shikama, Shinsuke; and Kondo, Mitsushige, 4,817,072, Cl. 369-44.000.
Kondo, Morio: *See—*
  Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.
Kondo, Naohiko; Hanai, Mineo; Miyagawa, Yoshiaki; Mochizuki, Ikuo; Ito, Yuji; and Iwase, Takatoshi, to Nippondenso Co., Ltd. Method of and apparatus for forming filter element. 4,834,700, 5-30-89, Cl. 493-463.000.
Kondo, Nobuaki; and Ishimaru, Kiichiro, to Nissan Motor Co., Ltd.; and Ikeda Bussan Co., Ltd. Method of molding skin-covered foamed plastic article. 4,829,644, 5-16-89, Cl. 29-91.100.
Kondo, Nobuaki; and Yamazaki, Shinichi, to Nissan Motor Co., Ltd.; and Toyo Tire & Rubber Co., Ltd. Seat cushion with portions with different compression characteristics. 4,837,881, 6-13-89, Cl. 5-464.000.
Kondo, Nobuaki, to Nissan Motor Co., Ltd. Latch device for foldable backrest of automotive seat. 4,881,767, 11-21-89, Cl. 292-224.000.
Kondo, Nobuhiro: *See—*
  Takagi, Kinshi; and Kondo, Nobuhiro, 4,795,309, Cl. 415-138.000.
Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, to Ishihara Sangyo Kaisha Ltd.; and Green Cross Corporation, The. Readily absorbable pharmaceutical composition. 4,849,425, 7-18-89, Cl. 514-274.000.
Kondo, Noriaki: *See—*
  Takami, Akio; Minoha, Ken; Nasu, Mineji; Sekiya, Toshifumi; Matsuura, Toshitaka; Mizutani, Akio; and Kondo, Noriaki, 4,825,683, Cl. 73-1.00G.
Kondo, Norio: *See—*
  Hagimoto, Hakumi; Kashima, Yutaka; Kondo, Norio; and Inoue, Masami, 4,797,031, Cl. 405-133.000.
Kondo, Ryohei; Harashima, Ikuo; and Sunouchi, Daigo, to Sanden Corporation. Automatic coffee vending machine being able to serve a straight coffee and a blended coffee selectively. 4,815,633, 3-28-89, Cl. 222-129.400.
Kondo, Ryuji, to Fuji Photo Film Co., Ltd. Image sensor having reduced fixed-noise output using flip flop circuit. 4,821,104, 4-11-89, Cl. 358-213.180.
Kondo, Ryuji: *See—*
  Miida, Takashi; Kondo, Ryuji; Murayama, Jin; Tabei, Masatoshi; and Ozaki, Nozomu, 4,849,639, Cl. 250-201.000.
  Murayama, Jin; Miida, Takashi; and Kondo, Ryuji, 4,803,706, Cl. 377-63.000.
  Shizukuishi, Makoto; and Kondo, Ryuji, 4,841,348, Cl. 357-30.000.
  Shizukuishi, Makoto; Mutoh, Hideki; and Kondo, Ryuji, 4,866,002, Cl. 437-34.000.
  Yatsuda, Yuji; Hagiwara, Takaaki; Kondo, Ryuji; Minami, Shinichi; and Itoh, Yokichi, 4,851,364, Cl. 437-42.000.
Kondo, Sadaaki: *See—*
  Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
Kondo, Shigeki, to Mitsubishi Denki Kabushiki Kaisha. Automatic transmission control device. 4,889,015, 12-26-89, Cl. 74-866.000.
Kondo, Shigeo; Yasuda, Naoshi; Nagata, Masaki; and Sotomura, Tadashi, to Japan Synthetic Rubber Co., Ltd.; and Matsushita Electric Industrial Co., Ltd. Structure suitable for solid electrochemical elements. 4,810,599, 3-7-89, Cl. 429-191.000.
Kondo, Shigeo: *See—*
  Nagata, Masaki; Yasuda, Naoshi; Kondo, Shigeo; and Sotomura, Tadashi, 4,828,945, Cl. 429-191.000.
Kondo, Shinichi; Katakura, Kageyoshi; Ogawa, Toshio; Umemura, Shin'ichiro; and Ikeda, Hiroshi, to Hitachi Ltd.; and Hitachi Medical Corp. Ultrasonic beam former. 4,841,491, 6-20-89, Cl. 367-103.000.
Kondo, Shinichi: *See—*
  Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Ken; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.
  Machinami, Tomoya; Nakamura, Takeshi; Nishihata, Ken; Kondo, Shinichi; and Takeuchi, Tomio, 4,889,926, Cl. 536-6.400.
  Okami, Yoshiro; Kondo, Shinichi; Ikeda, Daishiro; and Umezawa, Hamao, deceased, 4,795,743, Cl. 514-36.000.
  Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.
Kondo, Shiro, to Alps Electric Co., Ltd. Connector device. 4,838,803, 6-13-89, Cl. 439-164.000.
Kondo, Shizuo: *See—*
  Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.
Kondo, Shunichi: *See—*
  Katumata, Shoji; and Kondo, Shunichi, 4,811,720, Cl. 123-527.000.
Kondo, Susumu; and Moriya, Tetsuo, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Method of producing highly absorbent resins. 4,826,917, 5-2-89, Cl. 525-59.000.
Kondo, Susumu; Moriya, Tetsuo; and Aoyama, Hiroshi, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Process for production of highly water-absorbent resin. 4,880,886, 11-14-89, Cl. 526-80.000.
Kondo, Takahisa; and Sekimoto, Masami, to Star Rubber Kogyo Kabushiki Kaisha. Method for producing tape for putting on disposable diaper. 4,834,820, 5-30-89, Cl. 156-73.300.
Kondo, Takashi, to Kabushiki Kaisha Toshiba. Line figure connecting apparatus. 4,855,933, 8-8-89, Cl. 364-518.000.
Kondo, Takashi: *See—*
  Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, 4,816,86 Cl. 354-402.000.
  Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; and Kondo, Takashi, 4,843,456, Cl. 358-29.000.
Kondo, Takayuki; and Morishita, Muneki, to Omron Tateisi Electronics Co. Card reader. 4,861,974, 8-29-89, Cl. 235-475.000.
Kondo, Takayuki: *See—*
  Yaguchi, Akio; and Kondo, Takayuki, 4,856,955, Cl. 414-278.000.
Kondo, Takehisa: *See—*
  Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-78.00B.
Kondo, Takeo: *See—*
  Baba, Isao; Kondo, Takeo; Yanagisawa, Leiichi; and Kohgachi, Kenji, 4,872,045, Cl. 357-13.000.
  Uzuda, Tetsuji; Kuramoto, Takashi; Onga, Takeo; Suzuki, Terao; Koizumi, Masaru; and Kondo, Takeo, 4,882,622, Cl. 358-80.000.
Kondo, Takeshi; Negishi, Junji; Goto, Yoshihiko; Minezaki, Masue; and Kawai, Toshikazu, to Central Glass Company, Limited. Preparation of trifluoromethyltoluene from halomethylbenzotrifluoride. 4,849,557, 7-18-89, Cl. 570-177.000.
Kondo, Takeshi; Kawai, Toshikazu; and Oshio, Hideki, to Central Glass Company, Limited. Preparation of dichlorotrifluoromethyltoluenes including novel isomers. 4,876,404, 10-24-89, Cl. 570-145.000.
Kondo, Takeshi: *See—*
  Maruyama, Kakuji; Kondo, Takeshi; and Okubo, Yoshimitsu, 4,856,298, Cl. 66-40.000.
  Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.
Kondo, Takumi: *See—*
  Onogi, Yasuharu; Oka, Akinori; Nagatomo, Masakatsu; Kondo, Takumi; and Mizumoto, Kouji, 4,840,834, Cl. 428-211.000.
Kondo, Tatsuhiko; Seo, Kenzo; Itoh, Shinetsu; Kanazawa, Masaru; and Okada, Kiyotaka, to Nippon Hoso Kyokai. Signal processing filter for an image projection device utilizing an oil film. 4,807,040, 2-21-89, Cl. 358-233.000.
Kondo, Tatsuhiko: *See—*
  Kumada, Junji; Mitsuhashi, Tetsuo; Okano, Fumio; Ishida, Jun'ichi; Oketani, Takashi; and Kondo, Tatsuhiko, 4,864,400, Cl. 358-148.000.
Kondo, Teruhisa: *See—*
  Matsuo, Koichiro; Maekawa, Kazuhiro; and Kondo, Teruhisa, 4,888,242, Cl. 428-408.000.
Kondo, Tetsujiro, to Sony Corporation. High efficiency encoding system. 4,802,005, 1-31-89, Cl. 358-135.000.
Kondo, Tetsujiro; and Fujimori, Yashuhiro, to Sony Corp. High efficiency coding apparatus. 4,845,560, 7-4-89, Cl. 358-133.000.
Kondo, Tetsujiro, to Sony Corporation. Decoding apparatus. 4,890,161, 12-26-89, Cl. 358-135.000.
Kondo, Tetsuro: *See—*
  Yamada, Tomiharu; Shizuta, Atsushi; Shirata, Tomonori; and Kondo, Tetsuro, 4,805,581, Cl. 123-519.000.
Kondo, Tetsuya, to Sony Corporation. Current generating circuit. 4,874,964, 10-17-89, Cl. 307-270.000.

Kondo, Tetsuya: *See—*
  Otsu, Ichiro; Kanno, Sueo; Sato, Sinichi; and Kondo, Tetsuya, 4,822,924, Cl. 568-812.000.
Kondo, Thomas J.; Kusbel, James F.; and Philp, John D., to Three Phoenix Company. Handling apparatus for magnetic recording disks. 4,826,019, 5-2-89, Cl. 209-538.000.
Kondo, Thomas J.; Kusbel, James F.; and Philp, John D., to Three Phoenix Company. Handling apparatus for magnetic recording disks. 4,836,916, 6-6-89, Cl. 209-538.000.
Kondo, Thomas J.; Kusbel, James F.; and Philp, John D., to Three Phoenix Company. Apparatus and method for handling a flexible disk for testing. 4,863,039, 9-5-89, Cl. 209-538.000.
Kondo, Tokuzo. Permanent wave solution. 4,832,948, 5-23-89, Cl. 424-72.000.
Kondo, Tomonobu: *See—*
  Chigami, Makoto; Ogihara, Sumio; Hoaki, Hiroshi; Kondo, Tomonobu; and Okamura, Masao, 4,840,823, Cl. 428-35.500.
Kondo, Toru, to Ikeda Bussan Co., Ltd. Lock mechanism. 4,838,513, 6-13-89, Cl. 248-503.100.
Kondo, Toshiharu, to Sony Corp. Luminance signal forming circuit. 4,833,527, 5-23-89, Cl. 358-32.000.
Kondo, Toshiharu: *See—*
  Nakamura, Satoshi; and Kondo, Toshiharu, 4,827,331, Cl. 358-29.000.
Kondo, Toshikatsu: *See—*
  Ando, Takayuki; Ishiguro, Kazuyoshi; Matsui, Kenji; Yamashita, Tatsuo; and Kondo, Toshikatsu, 4,878,692, Cl. 280-804.000.
Kondo, Toshio, to Aisin Seiki Kabushiki Kaisha. Disk brake assembly. 4,865,163, 9-12-89, Cl. 188-73.370.
Kondo, Toshio, to Aisin Seiki Kabushiki Kaisha. Disc brake assembly. 4,878,564, 11-7-89, Cl. 188-73.310.
Kondo, Toshio, to Aisin Seiki Kabushiki Kaisha. Disk brake assembly. 4,881,62, 11-21-89, Cl. 188-73.380.
Kondo, Toshio; and Kinaga, Yoshimasa, to Kansai Paint Co., Ltd. Process for preparing a printed-circuit board. 4,883,571, 11-28-89, Cl. 204-180.600.
Kondo, Toshio: *See—*
  Seko, Kenji; and Kondo, Toshio, 4,845,012, Cl. 430-287.000.
  Tamura, Hiroshi; Hiromasa, Shunichiro; and Kondo, Toshio, 4,821,726, Cl. 123-498.000.
  Yamada, Hirotada; Ina, Yoshifumi; Kondo, Toshio; and Kato, Katsushi, 4,827,897, Cl. 123-497.000.
Kondo, Toshiro, to Mazda Motor Corporation. Automotive rear suspension system. 4,807,901, 2-28-89, Cl. 280-701.000.
Kondo, Toshiro; Kanada, Eiji; and Nishinoiri, Hiroshi, to Mitsubishi Paper Mills. Ltd. Deleting fluid for printing plates and method for deletion. 4,837,122, 6-6-89, Cl. 430-204.000.
Kondo, Toshiro: *See—*
  Inoue, Hitoshi; Kondo, Toshiro; Takata, Naoto; and Edahiro, Takeshi, 4,819,959, Cl. 280-660.000.
  Shimoe, Hiroo; Kondo, Toshiro; and Kameshima, Tetsuya, 4,834,416, Cl. 280-688.000.
  Tomosada, Kenji; Kondo, Toshiro; Yamamoto, Tadanobu; and Hashino, Hiroshi, 4,875,704, Cl. 280-695.000.
Kondo, Tsuneyuki; and Sato, Yasuhiro, to Toray Industries, Incorporated. Liquid developer for electrostatic latent image. 4,818,657, 4-4-89, Cl. 430-114.000.
Kondo, Yasuaki: *See—*
  Kurono, Masayasu; Suzuki, Tsunemasa; Kondo, Yasuaki; Hamase, Kenji; Usui, Toshinao; Suzuki, Tomoo; Fukushima, Masato; and Sawai, Kiichi, 4,824,855, Cl. 514-356.000.
  Kurono, Masayasu; Baba, Yutaka; Mitani, Takahiko; Onishi, Masao; Kondo, Yasuaki; and Sawai, Kiichi, 4,857,521, Cl. 514-206.000.
  Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
  Kurono, Masayasu; Unno, Ryoichi; Matsumoto, Yukiharu; Kondo, Yasuaki; Mitani, Takahiko; Jomori, Takahito; Michishita, Hisashi; and Sawai, Kiichi, 4,870,062, Cl. 514-63.000.
Kondo, Yasuhiro: *See—*
  Kemori, Nobumasa; Ojima, Yasuo; and Kondo, Yasuhiro, 4,848,754, Cl. 266-162.000.
Kondo, Yasunori, to Kawasaki Jukogyo Kabushiki Kaisha. Shielded tunnel excavator. 4,804,295, 2-14-89, Cl. 405-141.000.
Kondo, Yojiro: *See—*
  Wasa, Yasuhiro; Kondo, Yojiro; and Miura, Tokuki, 4,800,978, Cl. 180-168.000.
Kondo, Yoshiaki: *See—*
  Yagi, Hirokazu; Maeda, Shiro; and Kondo, Yoshiaki, 4,813,647, Cl. 251-129.050.
Kondo, Yoshitaka: *See—*
  Kosho, Akira; Matsuki, Hideaki; Shiratori, Hidefumi; Sawada, Shosaku; and Kondo, Yoshitaka, 4,821,402, Cl. 29-568.000.
Kondo, Yoshiyuki; Sahara, Hiroshi; and Hidejima, Yasuhiro, to Sony Corporation. Aircraft service system with a central control system for attendant call lights and passenger reading lights. 4,835,604, 5-30-89, Cl. 358-86.000.
Kondo, Yoshiyuki: *See—*
  Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.
  Tagawa, Koichi; Matsuzaki, Atsushi; Toyoshima, Masakatsu; and Kondo, Yoshiyuki, 4,866,515, Cl. 358-86.000.
Kondo, Yozo; Mori, Mitsuhiro; Sato, Morihiko; Chikusa, Toshikazu; and Ito, Hitoshi, to Toyo Soda Manufacturing Co., Ltd. Manufacturing method of polyolefin. 4,804,726, 2-14-89, Cl. 526-124.000.
Kondo, Yozo: *See—*
  Ishikawa, Tomohiro; and Kondo, Yozo, 4,818,809, Cl. 528-364.000.
Kondoh, Akimitsu: *See—*
  Shimada, Shigeru; Kondoh, Akimitsu; and Miyazaki, Atsuo, 4,811,244, Cl. 364-521.000.
Kondoh, Eiki; Morinaga, Shigeki; Yaginuma, Takao; and Asai, Takeshi, to Hitachi, Ltd.; and Hitachi Engineering Co., Ltd. Elementary function arithmetic unit. 4,888,721, 12-19-89, Cl. 364-736.000.
Kondoh, Hiroshi, to Hewlett-Packard Company. Wideband (DC-50 GHz) MMIC FET variable matched attenuator. 4,837,530, 6-6-89, Cl. 333-81.00A.
Kondoh, Hisao: *See—*
  Nishizawa, Jun-ichi; and Kondoh, Hisao, 4,837,608, Cl. 357-38.000.
  Nishizawa, Jun-ichi; and Kondoh, Hisao, 4,870,028, Cl. 437-6.000.
Kondoh, Minoru: *See—*
  Saitoh, Yoshihiro; Kondoh, Minoru; and Komatsu, Yukio, 4,855,656, Cl. 318-587.000.
Kondoh, Mitsunori: *See—*
  Obama, Masao; Kondoh, Mitsunori; and Wakabayashi, Kunio, 4,831,893, Cl. 74-479.000.
Kondoh, Shigeru: *See—*
  Senuma, Makoto; Kondoh, Shigeru; Kawase, Tadamasa; and Nakagawa, Yoshihiko, 4,879,118, Cl. 424-448.000.
Kondoh, Shiroh: *See—*
  Fujitani, Yoshiyasu; Muraki, Hideaki; and Kondoh, Shiroh, 4,801,620, Cl. 518-715.000.
Kondoh, Tadami: *See—*
  Suzuki, Isao; Hirabayashi, Kazuo; Kondoh, Tadami; and Nishijima, Hiroaki, 4,861,934, Cl. 585-415.000.
Kondoh, Tosiyuki: *See—*
  Gotoh, Tetsuya; Kondoh, Tosiyuki; and Aoyagi, Mutsuo, 4,816,386, Cl. 430-495.000.
Kondoh, Yoshitaka: *See—*
  Sumi, Akiyasu; Yoshida, Shigeru; Kurosawa, Akira; Takahashi, Tohru; Kondoh, Yoshitaka; and Chigira, Tatsuo, 4,806,813, Cl. 310-254.000.
Kondou, Harufusa; and Ando, Hideki, to Mitsubishi Denki Kabushiki Kaisha. Arithmetic and logic operating unit. 4,810,995, 3-7-89, Cl. 340-146.200.
Kondou, Harufusa; and Ando, Hideki, to Mitsubishi Denki Kabushiki Kaisha. Arithmetic unit with alternate mark inversion (AMI) coding. 4,860,235, 8-22-89, Cl. 364-716.000.
Kondou, Harufusa; and Kuranaga, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Programmable logic array having a changeable logic structure. 4,876,466, 10-24-89, Cl. 307-465.000.
Kondou, Mitsushige: *See—*
  Kono, Keizo; Kondou, Mitsushige; Tsubouchi, Natsuro; Hine, Shiro; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,859,033, Cl. 350-320.000.
  Shikama, Shinsuke; Toide, Eiichi; Kondou, Mitsushige; and Iwata, Kazuo, 4,888,760, Cl. 369-122.000.
Kondou, Tsutomu, to Mitsubishi Chemical Industries Limited; and Nikken Chemicals Company, Limited. Method of dehydrating foods in melted erythritol. 4,840,804, 6-20-89, Cl. 426-103.000.
Kondou, Tsutomu, to Mitsubishi Kasei Corporation; and Nikken Chemicals Company, Limited. Meso-erythritol hard candy and process for producing the same. 4,883,685, 11-28-89, Cl. 426-658.000.
Kondou, Tsutomu, to Mitsubishi Kasei Corporation; and Nikkon Chemicals Company, Limited. Surface-modified meso-erythritol composition. 4,886,677, 12-12-89, Cl. 426-548.000.
Kondou, Tsutomu, to Mitsubishi Kasei Corporation; and Nikken Chemicals Company, Limited. Fermented milk. 4,888,183, 12-19-89, Cl. 426-34.000.
Kondou, Yuzuru: *See—*
  Ukai, Norio; and Kondou, Yuzuru, 4,813,294, Cl. 74-388.0PS.
Kondow, Kiyohiro: *See—*
  Yoshida, Susumu; Takahashi, Hiroshi; Aoki, Hisashi; Kondow, Kiyohiro; and Mayuzumi, Tetsuya, 4,826,752, Cl. 430-155.000.
Kondow, Masahiko; Satoh, Shin; Minagawa, Shigekazu; Ohishi, Akio; and Kajimura, Takashi, to Hitachi, Ltd. Semiconductor laser device. 4,841,531, 6-20-89, Cl. 372-43.000.
Kondrashkin, Vitaly A.: *See—*
  Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
Kondraske, George V., to Board of Regents, The University of Texas System. Sensor conditioning method and apparatus. 4,873,655, 10-10-89, Cl. 364-553.000.
Kondratenko, Leonid A.: *See—*
  Baldenko, Dmitry F.; Kondratenko, Leonid A.; and Semenets, Valery I., 4,823,889, Cl. 175-107.000.
Kondziolka, Stanley; and Klein, Henry, to Demco Bingo Inc. Computer-controlled method and apparatus for making bingo cards. 4,885,700, 12-5-89, Cl. 364-519.000.
Kondziolka, Stanley F.; and Klein, Henry, to Demco Bingo Inc. Computer-controlled method and apparatus for making bingo cards. 4,882,688, 11-21-89, Cl. 364-519.000.

Kone Elevator GmbH: *See—*
  de Jong, Johannes; and Perttula, Jouko, 4,805,741, Cl. 188-1.110.
  Ekholm, Ralf, 4,838,385, Cl. 187-101.000.
  Hakala, Harri, 4,841,426, Cl. 363-37.000.
  Kahkipuro, Matti; Sten, Urpo; Nummi, Pekka; and Hytti, Pekka, 4,799,139, Cl. 363-95.000.
  Kahkipuro, Matti; Makinen, Heimo; and Perttula, Jouko, 4,880,082, Cl. 187-134.000.
  Kulju, Hannu; and Varri, Alpo O., 4,800,386, Cl. 342-61.000.
  Kulju, Hannu; and Kontturi, Risto, 4,870,663, Cl. 367-94.000.
  Ovaska, Seppo; and Ekholm, Ralf, 4,844,204, Cl. 187-101.000.
  Sissala, Mikko, 4,865,157, Cl. 187-1.00R.
  Winkler, Hugo; and De Jong, Johannes, 4,819,765, Cl. 187-88.000.
Kone Oy: *See—*
  Jussila, Olavi, 4,831,294, Cl. 310-63.000.
  Rantanen, Raimo; Huhta, Pentti; and Winqvist, Hans-Erik, 4,871,039, Cl. 198-532.000.
  Rossi, Hannu, 4,811,820, Cl. 188-71.600.
Konecny, James W.; Huston, Rodney L.; and Vyse, Gerrard N., to Stratoflex, Inc. Releasable quick connect fitting. 4,872,710, 10-10-89, Cl. 285-81.000.
Konejukka Oy: *See—*
  Sassi, Kari, 4,825,990, Cl. 192-41.00R.
Konet, Keith A.: *See—*
  Noguchi, Kazuo; and Konet, Keith A., 4,832,541, Cl. 407-114.000.
Koneval, Donald J.; Pollnow, Harold J.; and Molus, Richard J., Sr., to Allen-Bradley Company, Inc. Enclosure for electrical sensor. 4,825,710, 5-2-89, Cl. 73-866.500.
Kong, Alan, to Nifco Inc. Piston cylinder type oil damper. 4,796,732, 1-10-89, Cl. 188-282.000.
Kong, Alan, to Nifco, Inc. Buckle having external finger grip. 4,831,694, 5-23-89, Cl. 24-625.000.
Kong-Chan, Josephine L. Y., to Procter & Gamble Company, The. Reduced calorie and reduced fat chocolate confectionery compositions. 4,810,516, 3-7-89, Cl. 426-548.000.
Kong, Cheung T. Liquid dispensing apparatus. 4,830,226, 5-16-89, Cl. 222-205.000.
Kong, Dennis T.: *See—*
  Hubbard, William M.; and Kong, Dennis T., 4,835,768, Cl. 370-106.000.
Kong, Jin Y. Roller skating board. 4,865,342, 9-12-89, Cl. 280-87.042.
Kong, King-Leung, to Chung, Andrew Ho. Speech recognition system. 4,829,572, 5-9-89, Cl. 381-41.000.
Kong, Samuel K.; Jiang, William Y.; and Chan, Wallace C. W., to Advanced Micro Devices, Inc. Differential line driver with short circuit protection. 4,884,165, 11-28-89, Cl. 361-98.000.
Kongo, Takeshi: *See—*
  Hisatake, Michio; Kongo, Takeshi; and Sasako, Hidenori, 4,869,184, Cl. 112-121.120.
  Orii, Akira; and Kongo, Takeshi, 4,841,206, Cl. 388-828.000.
Konhauser, Peter; and Sprenger, Jurgen, to J. Wagner GmbH. Device for atomizing a liquid. 4,844,347, 7-4-89, Cl. 239-296.000.
Koni B.V.: *See—*
  de Vos, Jacob, 4,825,792, Cl. 114-90.000.
Konica Corporation: *See—*
  Arai, Tomio; and Kuru, Hiroshi, 4,801,980, Cl. 355-14.00D.
  Fujii, Yozo; and Saito, Taku, 4,796,059, Cl. 355-57.000.
  Fujiwhara, Mitsuto; Uchida, Takashi; and Kimura, Toshihiko, 4,871,655, Cl. 430-519.000.
  Hattori, Tsuyoshi; Tanaka, Masanao; and Matsuzaka, Syoji, 4,873,576, Cl. 358-224.000.
  Hirabayashi, Shigeto; and Sato, Hirokazu, 4,882,267, Cl. 430-546.000.
  Hiratsuka, Seiichiro; Yoshino, Kunihisa; Haneda, Satoshi; and Shoji, Hisashi, 4,841,337, Cl. 355-157.000.
  Hirose, Kimimoto; and Hasegawa, Yasuhiro, 4,823,223, Cl. 360-132.000.
  Hiroshima, Wataru, 4,863,035, Cl. 206-620.000.
  Hoshino, Yasushi, 4,855,781, Cl. 354-468.000.
  Ikariya, Toshiyuki; Takahashi, Kiyohiko; Shibazaki, Osamu; and Sakamoto, Nori, 4,834,310, Cl. 242-74.000.
  Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; and Matsubara, Akitoshi, 4,882,258, Cl. 430-108.000.
  Ishiguro, Shu; and Isobe, Ryosuke, 4,835,049, Cl. 428-323.000.
  Ishisaka, Akira; and Ota, Kohei, 4,828,374, Cl. 350-432.000.
  Isoguchi, Seiichi; Murai, Yoshio; Takayama, Jun; and Nagaishi, Katsuya, 4,881,127, Cl. 358-213.190.
  Itaya, Masahiko; Fuma, Hiroshi; and Fujimori, Toshiro, 4,822,711, Cl. 430-120.000.
  Iwahashi, Haruo; and Nakazawa, Kazuhiro, 4,797,707, Cl. 355-14.00R.
  Kaneko, Tadashi; Kobayashi, Yoshiaki; and Arai, Mitsutaka, 4,828,951, Cl. 430-47.000.
  Kaneko, Tadashi; Shirose, Meizo; and Yamamoto, Yoko, 4,885,222, Cl. 430-102.000.
  Kaneko, Yutaka, 4,880,733, Cl. 430-551.000.
  Kiyohara, Kazuto; Funabashi, Yoshiyuki; and Shimomura, Naoko, 4,847,149, Cl. 428-332.000.
  Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.
  Koboshi, Shigeharu; Kuse, Satoru; Kurematsu, Masayuki; and Goto, Nobutaka, 4,839,682, Cl. 354-312.000.
  Komamura, Tawara; and Ohya, Hidenobu, 4,847,188, Cl. 430-545.000.
  Koshizuka, Kunihiro; and Abe, Takao, 4,840,848, Cl. 428-413.000.
  Koshizuka, Kunihiro; and Abe, Takao, 4,882,218, Cl. 428-216.000.
  Koyama, Noboru; Ishiguro, Shu; and Isobe, Ryosuke, 4,818,606, Cl. 428-323.000.
  Makino, Masamori, 4,814,881, Cl. 358-167.000.
  Masukawa, Toyoaki; Ninomiya, Hidetaka; and Iizuka, Hiroyuki, 4,840,883, Cl. 430-553.000.
  Matsunawa, Masahiko; and Yamamoto, Hiroyuki, 4,841,361, Cl. 358-80.000.
  Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,864,357, Cl. 355-32.000.
  Miura, Norio; Kida, Shuji; Nakagawa, Satoshi; and Kimura, Toshihiko, 4,865,961, Cl. 430-553.000.
  Morita, Shizuo; Hayakawa, Kazushi; Ito, Kunio; Matsuo, Shunji; Fukuchi, Masakazu; and Hatakeyama, Noboru, 4,878,091, Cl. 355-260.000.
  Nakayama, Haruki, 4,873,542, Cl. 354-400.000.
  Nishijima, Toyoki, 4,868,100, Cl. 430-550.000.
  Ogi, Keiji; Kamitakahara, Atsushi; Sakamoto, Eiichi; and Isozaki, Nariko, 4,868,102, Cl. 430-598.000.
  Okamoto, Yukio, 4,860,063, Cl. 355-208.000.
  Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, 4,830,958, Cl. 430-567.000.
  Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, 4,863,844, Cl. 430-569.000.
  Sakai, Eiichi; Okuyama, Yuki; Fujimaki, Yoshihide; Yamazaki, Toshinori; and Ikeuchi, Satoru, 4,868,078, Cl. 430-67.000.
  Sawamura, Masataka; and Hoshino, Yasushi, 4,823,157, Cl. 354-403.000.
  Sawamura, Masataka, 4,825,240, Cl. 354-484.000.
  Seto, Yutaka; Suzuki, Shigehiro; Suzuki, Tomohiro; Fujita, Atsushi; Tai, Akira; and Yoshino, Masahiro, 4,881,103, Cl. 355-251.000.
  Shoji, Hisashi; Haneda, Satoshi; and Yoshino, Kunihisa, 4,884,149, Cl. 358-300.000.
  Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,847,189, Cl. 430-567.000.
  Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,861,702, Cl. 430-564.000.
  Tachibana, Kimie; Kaneko, Yutaka; and Ishii, Fumio, 4,873,183, Cl. 430-550.000.
  Takada, Shun; Murai, Kazuhiro; and Onodera, Kaoru, 4,820,614, Cl. 430-505.000.
  Takahashi, Yoshiharu, 4,827,302, Cl. 354-403.000.
  Tamaki, Kiyoshi; Kudoh, Koichi; Etoh, Yoshihiko; and Take, Yoshiaki, 4,888,262, Cl. 430-58.000.
  Tanaka, Shigeo; Okumura, Mitsuhiro; Kajiwara, Makoto; and Miyoshi, Masanobu, 4,863,846, Cl. 430-572.000.
  Tsuchino, Hisanori; Kano, Akiko; Nakano, Kuniaki; and Shimada, Fumio, 4,825,085, Cl. 250-484.100.
  Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Shingo; and Kawabe, Kuniyasu, 4,863,824, Cl. 430-109.000.
  Ura, Hiroaki; and Shiozawa, Takao, 4,878,657, Cl. 271-9.000.
  Watanabe, Satoshi, 4,885,672, Cl. 363-21.000.
  Yamada, Yoshitaka; and Iwamura, Masao, 4,804,619, Cl. 430-505.000.
  Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,806,965, Cl. 355-1.000.
  Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,884,095, Cl. 355-1.000.
  Yoshida, Eiji; Suzuki, Akio; Nagasaki, Satoru; Arai, Masumi; Metoki, Iku; and Sakuma, Haruhiko, 4,801,526, Cl. 430-567.000.
  Yoshida, Kazuhiro; and Takamuki, Yasuhiko, 4,879,207, Cl. 430-564.000.
Konica Technosearch Corporation: *See—*
  Kaneko, Yutaka; Kadokura, Kenzi; Nishijima, Toyoki; and Onodera, Kaoru, 4,863,842, Cl. 430-551.000.
Konicek, Michael G.: *See—*
  Mack, Daniel R.; and Konicek, Michael G., 4,816,418, Cl. 436-518.000.
Konicke, Michael L.; Veitengruber, James E.; and Loesch, James G., to Boeing Company, The. Integrated primary flight display. 4,860,007, 8-22-89, Cl. 340-173.000.
Konietzni, H. J.; Wolter, B.; and Zok, E., to AEG-Elotherm GmbH. Method for the electrochemical processing of workpieces. 4,814,052, 3-21-89, Cl. 204-129.200.
Konig, Axel; and de Buzzaccarini, Francesco, to Procter & Gamble Company, The. Textile treatment compositions. 4,806,255, 2-21-89, Cl. 252-8.800.
Konig, Bondewyn W.: *See—*
  Riethorst, Waander; Konig, Bondewyn W.; van Aken, Willem G.; Bantjes, Adriaan; Beugeling, Tom; and Te Booy, Marcelinus P. W. M., 4,883,598, Cl. 210-656.000.
Konig, Heinz-Werner: *See—*
  Deike, Karl-Heinz; Kiel, Bernd; and Konig, Heinz-Werner, 4,817,660, Cl. 137-116.000.
Konig, Helmut, to J.M. Voith GmbH. Cleaning arrangement for suspensions. 4,849,096, 7-18-89, Cl. 209-211.000.
Konig, Herbert; and Stahle, Gerhard, to Zinser Textilmaschinen GmbH. Method and means for controlling the drafting of sliver in a draw frame. 4,812,993, 3-14-89, Cl. 364-470.000.
Konig, Herbert; and Stahle, Gerhard, to Zinser Textilmaschinen GmbH. Method and apparatus for controlling the drafting of sliver in a drawing frame. 4,819,301, 4-11-89, Cl. 19-240.000.

Konig, Herbert; and Stahle, Gerhard, to Zinser Textilmaschinen GmbH. Apparatus for controlling the sliver drafting arrangement in a textile draw frame. 4,864,694, 9-12-89, Cl. 19-240.000.
Konig, Joachim: *See—*
  Koll, Jochen; Muller, Friedhelm; Bieber, Werner; Konig, Joachim; Eckstein, Udo; and Theidel, Hans, 4,888,128, Cl. 252-301.230.
  Probst, Joachim; Baumgen, Heinz; Bomer, Bruno; Konig, Joachim; and Mottweiler, Renke, 4,806,591, Cl. 524-820.000.
Konig, Johan W.: *See—*
  Van Veen, Jacobus J. F.; Konig, Johan W.; Ter Kuile, Willem M.; and Van Dijk, Cornelis, 4,889,427, Cl. 356-445.000.
Konig, Johannes; and Reuter, Martin, to Gewerkschaft Eisenhutte Westfalia GmbH. Power supply arrangement for electro-hydraulic control systems in mining and civil engineering. 4,882,501, 11-21-89, Cl. 307-11.000.
Konig, Johannes: *See—*
  Troa, Uwe; Kussel, Willy; Reuter, Martin; and Konig, Johannes, 4,870,364, Cl. 324-418.000.
Konig, Klaus; and Barnes, James M., to Bayer Aktiengesellschaft. Polyether-polycarbonate diols and processes for their production and use. 4,808,691, 2-28-89, Cl. 528-76.000.
Konig, Klaus; and Heitkamper, Peter, to Bayer Aktiengesellschaft. Diisocyanates, a process for their production and their use in the production of polyurethane plastics. 4,888,125, 12-19-89, Cl. 252-182.210.
Konig, Klaus: *See—*
  Dietrich, Manfred; Pedain, Josef; Konig, Klaus; and Hohlein, Peter, 4,803,246, Cl. 525-124.000.
  Pedain, Josef; Sonntag, Michael; and Konig, Klaus, 4,801,675, Cl. 528-73.000.
  Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,835,224, Cl. 525-453.000.
  Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,843,107, Cl. 521-155.000.
  Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,843,108, Cl. 521-155.000.
  Woynar, Helmut; Konig, Klaus; Pedain, Josef; and Slack, William E., 4,837,359, Cl. 560-335.000.
Konig, Martin: *See—*
  Jehle, Franz; Konig, Martin; and Wolfle, Erwin, 4,881,077, Cl. 342-26.000.
Konig, Winfried: *See—*
  Knoll, Peter; Konig, Winfried; and Rapps, Peter, 4,888,699, Cl. 364-449.000.
Konig, Wolfgang: *See—*
  Brepohl, Gerhard; Knolle, Jochen; Konig, Wolfgang; and Scholkens, Bernward, 4,861,755, Cl. 514-11.000.
  Volk, Alexander; and Konig, Wolfgang, 4,806,641, Cl. 544-183.000.
Konigstein, Dietrich: *See—*
  Garbe, Heyno; Hansen, Diethard; and Konigstein, Dietrich, 4,845,378, Cl. 307-106.000.
  Hansen, Diethard; and Konigstein, Dietrich, 4,837,581, Cl. 343-703.000.
Konijn, Gerrit, to Shell Oil Company. Gas/liquid contacting apparatus. 4,880,451, 11-14-89, Cl. 55-237.000.
Konik, Bernd: *See—*
  von Entress-Fursteneck, Wolfgang; Schleicher, Ulrich; and Konik, Bernd, 4,809,613, Cl. 102-473.000.
Koning, Gerrit; and Schroeppel, Edward A., to Telectronics N.V. Apparatus and method for adjusting heart/pacer rate relative to cardiac pO_2 obtain a required cardiac output. 4,827,933, 5-9-89, Cl. 128-419.0PG.
Konings, Frank J.: *See—*
  de Jaeger, Nikolaas C. J.; Monbaliu, Marcel J.; Noppe, Marcus J. M.; and Konings, Frank J., 4,837,168, Cl. 436-533.000.
Konings, Johan W. M. E.: *See—*
  Farhangi, Hassan; and Konings, Johan W. M. E., 4,841,513, Cl. 369-59.000.
Konings, Willem N.; and van Boven, Aart, to Rijksuniversiteit te Groningen. Dipeptidase, its isolation from lactic acid bacteria, antibodies against the dipeptidase, the use of the dipeptidase and of the antibodies against it. 4,888,284, 12-19-89, Cl. 435-183.000.
Koninklijke Emballage Industrie Van Leer BV: *See—*
  Fuller, Anthony T. B.; and Jones, Arthur N., 4,848,649, Cl. 229-123.200.
  Koudstaal, Willem; Thomas, Alan; and Lewis, Jeffrey L., 4,806,021, Cl. 383-40.000.
Koninsky, Peter M.; and D'Ariano, Emilio F., to General Electric Company. Switch-mode power supply with dynamic adjustment of current sense magnitude. 4,811,184, 3-7-89, Cl. 363-17.000.
Konishi, Akihiko; Mizukami, Masamichi; and Shimuta, Masanori, to Mitsubishi Gas Chemical Co., Ltd. Method for treating contact lenses. 4,836,859, 6-6-89, Cl. 134-1.000.
Konishi, Akio; Kikuya, Satoshi; Zaitsu, Osamu; and Yoshio, Hideaki, to Matsushita Electric Industrial Co., Ltd. Arrangement of recording and/or reproducing apparatus. 4,803,574, 2-7-89, Cl. 360-85.000.
Konishi, Akira; and Wakano, Teruo, to Dai-Ichi Seiko Co., Ltd. Semiconductor device and its manufacture. 4,823,234, 4-18-89, Cl. 361-386.000.
Konishi Chemical Industry Co., Ltd.: *See—*
  Ogata, Eiji; Ono, Koji; and Nate, Nobuyuki, 4,820,831, Cl. 568-33.000.
Konishi Co., Ltd.: *See—*
  Miura, Ryuichi; and Nakao, Toshinobu, 4,861,401, Cl. 156-94.000.
Konishi, Haruo: *See—*
  Fukuoka, Kazuhiro; and Konishi, Haruo, 4,828,657, Cl. 204-44.400.
Konishi, Hideki: *See—*
  Imahashi, Toru; Maruyama, Naoyuki; Konishi, Hideki; and Saito, Muneo, 4,844,611, Cl. 356-246.000.
Konishi, Hirokazu: *See—*
  Yamamoto, Taizo; Konishi, Hirokazu; Kawaguchi, Yoshihisa; and Ohnishi, Yoshizumi, 4,811,802, Cl. 177-1.000.
  Yamamoto, Taizo; and Konishi, Hirokazu, 4,884,602, Cl. 141-242.000.
Konishi, Junkichi; Tsukada, Kenichi; Sekiguchi, Tomoyoshi; Kouda, Masanori; and Suzuki, Minoru, to Nissan Motor Company, Limited; and Atsugi Motor Parts Company, Limited. Mounting structure for vehicle height sensor. 4,838,563, 6-13-89, Cl. 280-840.000.
Konishi, Junkichi; and Shiraishi, Yasuhiro, to Nissan Motor Company, Limited. Height control system in automotive suspension system with feature of capability of height adjustment in lock condition of drive wheel and power train. 4,877,263, 10-31-89, Cl. 280-707.000.
Konishi, Junkichi: *See—*
  Kouda, Masanori; Sekiguchi, Tomoyoshi; Ikeda, Yukio; Taniguchi, Minoru; Shiraishi, Yasuhiro; and Konishi, Junkichi, 4,826,205, Cl. 280-703.000.
Konishi, Katsuo: *See—*
  Yamada, Masamichi; Kurebayashi, Masaaki; Saito, Masakatsu; Yanagihara, Hitoshi; Konishi, Katsuo; and Tsuchiya, Toshio, 4,799,118, Cl. 360-125.000.
Konishi, Katsutoshi: *See—*
  Ueda, Hideaki; Yuge, Shizuo; and Konishi, Katsutoshi, 4,800,144, Cl. 430-58.000.
Konishi, Keiichi: *See—*
  Isozumi, Shuzoo; and Konishi, Keiichi, 4,862,027, Cl. 310-99.000.
  Morishita, Akira; Konishi, Keiichi; and Tanaka, Toshinori, 4,859,895, Cl. 310-261.000.
  Tanaka, Toshinori; Isozumi, Shuzoo; and Konishi, Keiichi, 4,886,306, Cl. 290-48.000.
Konishi, Kenji: *See—*
  Yoshida, Hiroshi; Shimano, Shizuo; Mochizuki, Seiji; Koike, Kengo; Nakagawa, Taizo; and Konishi, Kenji, 4,804,762, Cl. 514-336.000.
Konishi, Kenjiro; and Obata, Ken, to Furukawa Electric Co., Ltd., The. Electrical connector device with a number of terminals. 4,806,123, 2-21-89, Cl. 439-595.000.
Konishi, Kiyoshi: *See—*
  Kobayashi, Kyoji; Kaneko, Noboru; Konishi, Kiyoshi; and Furuya, Takeo, 4,865,151, Cl. 180-179.000.
  Suzuki, Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,845,622, Cl. 364-426.040.
  Suzuki, Kouichi; Kobayashi, Kyoji; and Konishi, Kiyoshi, 4,829,437, Cl. 364-426.040.
  Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,835,696, Cl. 364-426.040.
Konishi, Kunihiko: *See—*
  Kato, Yasuyoshi; Konishi, Kunihiko; Matsuda, Toshiaki; Ito, Meiji; Kamiguchi, Taiji; Teshima, Nobue; and Akama, Hiroshi, 4,798,813, Cl. 502-60.000.
Konishi, Masahiro: *See—*
  Miyake, Isumi; Kaneko, Kiyotaka; Konishi, Masahiro; Horio, Motohiko; and Ogata, Kazutsugu, 4,802,020, Cl. 358-342.000.
  Okada, Kazuo; and Konishi, Masahiro, 4,858,032, Cl. 360-91.000.
Konishi, Masami: *See—*
  Saito, Tomotaka; Murakami, Hiroaki; Fukushima, Yuhji; and Konishi, Masami, 4,814,639, Cl. 307-303.000.
Konishi, Masashi: *See—*
  Aoki, Masahiko; Konishi, Masashi; Matsuda, Yasuhiro; and Okazaki, Naoto, 4,829,179, Cl. 250-309.000.
Konishi, Masataka; Tomita, Koji; Oka, Masahisa; and Numata, Kenichi, to Bristol-Myers Company. Peptide antibiotics. 4,833,076, 5-23-89, Cl. 435-29.000.
Konishi, Masataka; Saitoh, Kyoichiro; Ohkuma, Hiroaki; and Kawaguchi, Hiroshi, to Bristol-Myers Company. BBM-1675, a new antitumor antibiotic complex. 4,868,117, 9-19-89, Cl. 435-252.100.
Konishi, Masataka: *See—*
  Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,833,079, Cl. 435-148.000.
  Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,883,758, Cl. 435-253.500.
  Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji; Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, 4,870,165, Cl. 536-6.400.
  Tenmyo, Osamu; Ohkuma, Hiroaki; and Konishi, Masataka, 4,803,224, Cl. 514-563.000.
Konishi, Masayuki: *See—*
  Kawai, Shoichi; Konishi, Masayuki; and Katoh, Chieji, 4,884,254, Cl. 368-21.000.
Konishi, Michio: *See—*
  Sato, Masakazu; Ban, Keisuke; Fujito, Bakugo; and Konishi, Michio, 4,846,252, Cl. 164-120.000.
Konishi, Minoru: *See—*
  Hasumoto, Toshiharu; Kashiwada, Kunio; Konishi, Minoru; and Fujishiro, Nobuo, 4,874,403, Cl. 55-55.000.
Konishi, Morikazu; and Takizawa, Masaaki, to Sony Corporation. Ion beam gun wherein the needle emitter is surrounded by a tubular nozzle so as to produce an increased ion beam. 4,831,308, 5-16-89, Cl. 313-362.100.

Konishi, Motofumi: *See—*

Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.

Konishi, Nobukiyo: *See—*

Matsuo, Masaaki; Tsuji, Kiyoshi; and Konishi, Nobukiyo, 4,866,091, Cl. 514-471.000.

Konishi, Ryoji, to Teikoku Seiyaku Kabushiki Kaisha. Sustained release dosage form for use with tissues of the oral cavity. 4,889,720, 12-26-89, Cl. 424-448.000.

Konishi, Ryusaku, to Nippon Zoki Pharmaceutical Co., Ltd. Adhesive bandage. 4,858,604, 8-22-89, Cl. 128-156.000.

Konishi, Satoru: *See—*

Hirao, Shozo; Usui, Hiroaki; Ohta, Yoshihiro; Nakai, Takashi; Ishikawa, Hiroyuki; and Konishi, Satoru, 4,857,365, Cl. 427-297.000.

Uchida, Susumu; and Konishi, Satoru, 4,820,238, Cl. 464-15.000.

Konishi, Satoshi; Nagasaki, Takanori; Yokogawa, Nobuhisa; and Naruse, Yuji, to Japan Atomic Energy Research Institute. Active metal bed. 4,859,427, 8-22-89, Cl. 422-159.000.

Konishi, Shoji: *See—*

Okouchi, Haruo; and Konishi, Shoji, 4,795,630, Cl. 424-49.000.

Konishi, Takao; Sugimori, Giichi; Kato, Kazuyoshi; Kimura, Nobutake; and Shibata, Kenji, to Shionogi & Co., Ltd.; and Nisshin Flour Milling Co., Ltd. Vaccines for fowl colibacillosis. 4,837,018, 6-6-89, Cl. 424-92.000.

Konishi, Takeshi: *See—*

Fukutomi, Hisao; Tuchiya, Takanori; Yamamoto, Takeshi; Konishi, Takeshi; and Hamasaki, Iseo, 4,796,943, Cl. 296-65.100.

Katoh, Hideyuki; Tanaka, Nobutaka; Yamamoto, Takeshi; Konishi, Takeshi; and Umeda, Morio, 4,831,710, Cl. 29-434.000.

Konishi, Tomoo, to Tektronix, Inc.; and Sony-Tektronix, Corporation. Timing jitter measurement display. 4,800,571, 1-24-89, Cl. 375-10.000.

Konishi, Tomoo, to Tektronix, Inc.; and Sony-Tektronix, Corporation. Chrominance to luminance delay and gain measurement display. 4,816,897, 3-28-89, Cl. 358-10.000.

Konishi, Toshiharu; Ushiro, Hiroyuki; and Moriyama, Takaaki, to Nitto Electric Industrial Co., Ltd. Double-coated adhesive tape. 4,844,973, 7-4-89, Cl. 428-286.000.

Konishi, Toshiharu: *See—*

Sakuramoto, Takahumi; Asoshina, Eishi; Tominaga, Takashi; Ijichi, Ichiro; [illegible]amei, Kiyohiro; and Konishi, Toshiharu, 4,797,251, Cl. 419-9.000.

Konishi, Toshio: *See—*

Taniguchi, Kotaro; Konishi, Toshio; Shimura, Takehiko; Tanimoto, Shigekazu; and Nedzu, Shigeru, 4,879,085, Cl. 264-564.000.

Konishi, Yasuhiro; Fujishima, Kazuyasu; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; and Dosaka, Katsumi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device with active pull up. 4,809,230, 2-28-89, Cl. 365-189.000.

Konishi, Yasuhiro: *See—*

Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.

Konishi, Yoshiharu: *See—*

Kano, Mitsunari; Konishi, Yoshiharu; and Matsuda, Toshihiko, 4,872,000, Cl. 340-706.000.

Konishi, Yoshihiro; and Fujimoto, Haruaki, to Uniden Corporation. Microwave directional coupler. 4,823,097, 4-18-89, Cl. 333-116.000.

Konishi, Yoshihiro; Konno, Kenichi; and Awai, Ikuo, to Uniden Corporation. Resonant wave filter. 4,837,535, 6-6-89, Cl. 333-210.000.

Konishi, Yoshimune: *See—*

Haseda, Satoshi; Tsuzuki, Yoshihiko; Konishi, Yoshimune; and Suzuki, Motoshi, 4,836,319, Cl. 180-142.000.

Konishi, Yoshinori: *See—*

Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.

Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.

Konishiroku Photo Industry Co., Ltd.: *See—*

Abe, Yoshinori; and Matsunawa, Masahiko, 4,833,531, Cl. 358-77.000.

Arai, Norikazu, 4,889,417, Cl. 350-432.000.

Azuma, Masashi; Narushima, Tuneo; and Ishihara, Takashi, 4,795,613, Cl. 422-64.000.

Brandt, Alan E.; and Uemura, Morito, 4,797,356, Cl. 435-7.000.

Fujita, Hisao, 4,802,721, Cl. 350-6.800.

Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,825,246, Cl. 355-4.000.

Fuma, Hiroshi; Itaya, Masahiko; and Fujimori, Toshiro, 4,814,818, Cl. 355-3.0DD.

Hamada, Fumio; and Shimazaki, Hiroshi, 4,818,667, C 430-502.000.

Hamada, Fumio; Yamada, Yoshitaka; and Yamashita, Kiyotos 4,833,069, Cl. 430-496.000.

Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, 4,803,51 Cl. 355-4.000.

Haneda, Satoshi; Shoji, Hisashi; and Fuma, Hiroshi, 4,814,797, C 346-157.000.

Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, 4,841,33 Cl. 355-251.000.

Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa Masahiko; Morita, Sizuo; and Ichihara, Yoshiyuki, 4,814,895, C 358-229.000.

Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa Masahiko; Morita, Shizuo; and Ichihara, Yoshiyuki, 4,835,60 Cl. 358-51.000.

Hasegawa, Tai; Monnai, Jun; and Matsuzaki, Masatoshi, 4,816,84 Cl. 346-76.0PH.

Hiramoto, Tsutomu; Fukasawa, Satoshi; Kubodera, Taka Hirose, Kimimoto; Shinozaki, Sohji; and Yasufuku, Yoshitaka 4,832,301, Cl. 248-359.00H.

Hiratsuka, Seiichiro; Haneda, Satoshi; and Shoji, Hisashi, 4,797,31 Cl. 430-35.000.

Hiratsuka, Seiichiro; Haneda, Satoshi; and Shoji, Hisashi, 4,803,51 Cl. 355-4.000.

Hiratsuka, Seiichiro; Matsunawa, Masahiko; and Abe, Yoshinor 4,803,558, Cl. 358-283.000.

Hiratsuka, Seiichiro; and Matsunawa, Masahiko, 4,841,377, C 358-283.000.

Hirota, Fumiyuki; Miwa, Tadashi; and Yamada, Yasushi, 4,869,41 Cl. 271-3.100.

Hoshino, Yasushi; and Makino, Masamori, 4,839,677, C 354-195.100.

Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hata Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Ka 4,840,886, Cl. 430-558.000.

Inoue, Katsuyo, 4,859,061, Cl. 356-359.000.

Ishikawa, Masao; Koboshi, Shigeharu; Miyaoka, Kazuyoshi; an Kuse, Satoru, 4,797,351, Cl. 430-387.000.

Ishiyama, Shozo; Kojima, Tadashi; and Banno, Makoto, 4,832,4 Cl. 350-427.000.

Isozaki, Shin; and Yagi, Michio, 4,807,070, Cl. 360-104.000.

Itaya, Masahiko; Niitsuma, Tetsuya; and Okamoto, Syu 4,843,425, Cl. 355-261.000.

Ito, Tsukasa; Kawakatsu, Satoshi; Onishi, Akira; and Ishika Masayo, 4,868,106, Cl. 435-7.000.

Iwagaki, Masaru; Masukawa, Toyoaki; Komamura, Tawa Ishikawa, Wataru; and Hoshino, Kimie, 4,840,870, C 430-201.000.

Iwagaki, Masaru; Sasaki, Takashi; Kumamura, Tawara; Is Fumio; and Koshizuka, Kunihiro, 4,840,882, Cl. 430-505.00

Kageyama, Takashi; and Yoshida, Makoto, 4,870,920, C 118-103.000.

Kajiwara, Makoto; and Onodera, Kaoru, 4,830,955, C 430-505.000.

Kamitakahara, Atushi; and Ogi, Keiji, 4,840,879, Cl. 430-406.00

Kanai, Kunio; and Yamamoto, Toshiyuki, 4,860,044, C 354-321.000.

Katsumura, Nobuo, 4,829,171, Cl. 250-201.000.

Kawai, Masanori; Murakami, Kiyotaka; Kurogama, Tatsuji; an Watanabe, Mitsuru, 4,819,083, Cl. 358-294.000.

Kawasaki, Mikio; Shiozawa, Hiroaki; Fukuouji, Kakuji; an Ono, Kouji, 4,840,888, Cl. 430-567.000.

Kida, Shuji; Kaneko, Yutaka; Kadokura, Kenji; Yoshimoto, Shi and Masuda, Kosaku, 4,839,264, Cl. 430-505.000.

Kishimoto, Tadao; Isobe, Toshifumi; Maruyama, Hiroyuki; an Yokobori, Jun, 4,806,973, Cl. 355-4.000.

Kishita, Takehisa; Nagashima, Toshiharu; and Murakami, Take 4,847,190, Cl. 430-569.000.

Kita, Noriyasu; and Goto, Kiyoshi, 4,840,869, Cl. 430-191.000.

Kitamura, Shegehiro; Asano, Masao; Shimizu, Yoshiaki; and Ab Takao, 4,818,591, Cl. 428-216.000.

Kobayashi, Kazuhiro; Koboshi, Shigeharu; Kuse, Satoru; an Ishikawa, Masao, 4,837,139, Cl. 430-542.000.

Kobayashi, Tatsuhiko; Goto, Sohei; and Okauchi, Ken, 4,865,9 Cl. 430-203.000.

Koboshi, Shigeharu; and Kurematsu, Masayuki, 4,797,352, C 430-421.000.

Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kon, Masahik 4,814,260, Cl. 430-464.000.

Kohno, Junichi; Okauchi, Ken; Goto, Sohei; Iwagaki, Masaru; an Komamura, Tawara, 4,837,141, Cl. 430-559.000.

Koiso, Junichi; Hashimoto, Takayoshi; and Shida, Tosh 4,819,578, Cl. 118-652.000.

Kojima, Takaaki; and Okumura, Mitsuhiro, 4,839,270, C 430-583.000.

Komamura, Tawara; Ikeuchi, Satoru; Iwagaki, Masaru; Sasak Takashi; and Ishikawa, Wataru, 4,871,647, Cl. 430-201.000.

Komorita, Kazuo; and Onodera, Kaoru, 4,837,143, Cl. 430-421.00

Komorita, Kazuo; and Onodera, Kaoru, 4,863,840, Cl. 430-505.00

Koshizuka, Kunihiro; Inaba, Yoshihiro; Abe, Takao; and Mach Tatsuichi, 4,828,922, Cl. 428-412.000.

Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,845,015, C 430-372.000.

Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,855,217, Cl. 430-372.000.

Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,859,575, Cl. 430-428.000.

Kurematsu, Masayuki; and Koboshi, Shigeharu, 4,863,837, Cl. 430-372.000.

Kuru, Hiroshi; and Arai, Tomio, 4,833,506, Cl. 355-208.000.

Kuse, Satoru; and Koboshi, Shigeharu, 4,828,970, Cl. 430-393.000.

Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, 4,849,829, Cl. 358-451.000.

Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, 4,878,110, Cl. 358-75.000.

Masukawa, Toyoaki; Tsuda, Yasuo; Ninomiya, Hidetaka; Nakayama, Noritaka; and Kimura, Toshihiko, 4,818,672, Cl. 430-558.000.

Matsubara, Akitoshi; Ikeuchi, Satoru; Akimoto, Kunio; and Takizawa, Yoshio, 4,795,689, Cl. 430-99.000.

Matsubara, Akitoshi; and Tamaki, Kiyoshi, 4,845,006, Cl. 430-99.000.

Matsuzaki, Masatoshi, 4,843,409, Cl. 346-76.0PH.

Miyake, Toru; and Nakano, Yasushi, 4,812,358, Cl. 428-323.000.

Miyoshi, Masanobu; Kajiwara, Makoto; Onodera, Kaoru; and Sakamoto, Eiichi, 4,839,263, Cl. 430-384.000.

Mogi, Michio, 4,829,931, Cl. 118-60.000.

Myokan, Isao, 4,795,887, Cl. 219-543.000.

Nagoshi, Mitsuru, 4,803,525, Cl. 355-55.000.

Nakamura, Issei; and Matsumoto, Kazumasa, 4,844,977, Cl. 428-328.000.

Nakane, Nobu; Maruyama, Noriharu; and Hakamada, Haruo, 4,837,601, Cl. 355-28.000.

Nakanishi, Kazuhiro; and Hoshino, Yasushi, 4,821,059, Cl. 354-400.000.

Niki, Hiroshi; Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,879,595, Cl. 358-80.000.

Ogi, Keiji; and Tosaka, Yasuo, 4,863,838, Cl. 430-378.000.

Obbayashi, Keiji; Chino, Shigeo; Okumura, Mitsuhiro; and Onodera, Kaoru, 4,797,350, Cl. 430-380.000.

Obbayashi, Keiji; Okumura, Mitsuhiro; Kojima, Takaaki; and Tanaka, Shigeo, 4,818,671, Cl. 430-550.000.

Ohta, Tatsuo; Watanabe, Hideo; and Inaba, Mayumi, 4,835,061, Cl. 428-469.000.

Ono, Kouzi; and Kawasaki, Mikio, 4,847,187, Cl. 430-528.000.

Owada, Susumu; Kamegamori, Masayuki; and Kosugi, Akira, 4,841,330, Cl. 355-245.000.

Saito, Taku; and Fujii, Yozo, 4,806,989, Cl. 355-55.000.

Sakamoto, Eiichi; Kaneko, Yutaka; Ninomiya, Hidetaka; Kamio, Takashi; Ezaki, Atsuo; Akamatsu, Hideo; and Haraga, Hideaki, 4,871,658, Cl. 430-551.000.

Sasaki, Masao; and Onodera, Kaoru, 4,795,696, Cl. 430-512.000.

Shirai, Miyuki; and Nogami, Akira, 4,874,683, Cl. 430-114.000.

Shoji, Hisashi; Haneda, Satoshi; and Hiratsuka, Seiichiro, 4,839,692, Cl. 355-211.000.

Song, Hubert, 4,825,310, Cl. 360-77.080.

Song, Hubert, 4,833,551, Cl. 360-77.050.

Sugaiwa, Takayuki; Kinoshita, Akira; and Sawada, Kiyoshi, 4,842,971, Cl. 430-64.000.

Sugita, Tunezo, 4,797,304, Cl. 427-208.600.

Suzuki, Keiichiro, 4,799,082, Cl. 355-14.00R.

Takada, Shun; and Onodera, Kaoru, 4,828,969, Cl. 430-505.000.

Takegiwa, Hiroyuki; Takahashi, Jiro; Shirose, Meizo; Akimoto, Kunio; and Uchida, Masafumi, 4,877,704, Cl. 430-99.000.

Takei, Yoshiaki; Kijima, Eiichi; Goto, Satoshi; and Nomori, Hiroyuki, 4,835,080, Cl. 430-58.000.

Takesue, Toshihiro; Murahashi, Takashi; and Nakazawa, Toshihiko, 4,837,787, Cl. 372-29.000.

Tokunaga, Hiroshi; Hamada, Jun-ichi; and Fukuchi, Masakazu, 4,816,900, Cl. 358-75.000.

Tsurubuchi, Yasuo; and Kato, Shogo, 4,884,110, Cl. 355-319.000.

Uchida, Makoto; Kakuhari, Hiroyuki; Isogawa, Wataru; and Amano, Tadashi, 4,806,962, Cl. 354-324.000.

Ueda, Kiichirou; and Arai, Norikazu, 4,838,670, Cl. 350-432.000.

Uezawa, Yutaka; and Morimoto, Isamu, 4,840,889, Cl. 430-597.000.

Umeda, Toshikazu; Funaki, Shinsuke; and Nozu, Taketo, 4,862,196, Cl. 346-108.000.

Watanabe, Kazuo; Nishimura, Toshiharu; and Kakutani, Masaki, 4,872,033, Cl. 355-27.000.

Watanabe, Koji; Yagi, Michio; Isoguchi, Seiichi; Harada, Satoshi; and Fujita, Masami, 4,827,304, Cl. 354-435.000.

Watanabe, Yoshikazu; and Tanaka, Motoaki, 4,840,881, Cl. 430-512.000.

Yagi, Toshihiko; and Shimura, Shinya, 4,798,775, Cl. 430-569.000.

Yagi, Toshihiko; and Shimazaki, Hiroshi, 4,818,670, Cl. 430-544.000.

Yamada, Minoru; Ito, Eiji; Miyama, Kenji; Sawamura, Masataka; Hoshino, Yasushi; and Makino, Masamori, 4,841,323, Cl. 354-400.000.

Yamamoto, Hiroyuki; and Isobe, Toshifumi, 4,811,114, Cl. 358-280.000.

Yamamoto, Hiroyuki; and Matsunawa, Masahiko, 4,841,376, Cl. 358-282.000.

Yamamoto, Takeshi; Sasa, Nobumasa; and Nakano, Miegi, 4,797,346, Cl. 430-192.000.

Yamazaki, Toshinori; Sakai, Eiichi; Nakanishi, Tatsuo; and Nomori, Hiroyuki, 4,859,554, Cl. 430-58.000.

Yamazaki, Yoshio; Uneme, Kazuhiko; and Shimada, Takeichi, 4,867,100, Cl. 118-657.000.

Yoshida, Eiji; Suzuki, Akio; and Hosaka, Masumi, 4,826,758, Cl. 430-569.000.

Konjuchowa, Dagmar: *See—*

Schossler, Werner; Boeden, Hans-Friedrich; Holtzhauer, Martin; Loth, Fritz; Hiepe, Falk; Bertram, Dieter; Mielke, Frank; Muller, Reinhard; and Konjuchowa, Dagmar, 4,822,681, Cl. 428-405.000.

Konken, Johann: *See—*

Schmitz, Heinz-Gunter; and Konken, Johann, 4,811,523, Cl. 51-131.100.

Konkle, Douglas R., to B. Walter & Co., Inc. Drop leaf support with safety ring and cover. 4,844,398, 7-4-89, Cl. 248-240.400.

Konkol, Werner: *See—*

Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Konkol, Werner; and Wiebus, Ernst, 4,795,727, Cl. 502-161.000.

Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Diekhaus, Gehard; Konkol, Werner; and Wiebus, Ernst, 4,801,754, Cl. 568-454.000.

Bach, Hanswilhelm; Cornils, Boy; Gick, Wilhelm; Hahn, Heinz-Dieter; Konkol, Werner; and Wiebus, Ernst, 4,808,758, Cl. 568-454.000.

Bach, Hanswilhelm; Bahrmann, Helmut; Cornils, Boy; Gick, Wilhelm; Heim, Volker; Konkol, Werner; and Wiebus, Ernst, 4,879,418, Cl. 568-454.000.

Cornils, Boy; Konkol, Werner; Bach, Hanswilhelm; Gick, Wilhelm; Wiebus, Ernst; Bahrmann, Helmut; and Hahn, Heinz-Dieter, 4,808,757, Cl. 568-454.000.

Konnai, Makoto: *See—*

Takematsu, Tetsuo; Konnai, Makoto; Shimizu, Kuniaki; Urushibata, Ikumi; and Kajiwara, Ikuo, 4,824,477, Cl. 71-103.000.

Konneker, Lloyd K. Voting method of locating mobile objects. 4,864,313, 9-5-89, Cl. 342-457.000.

Konnert, John H.: *See—*

D'Antonio, Peter; and Konnert, John H., 4,821,839, Cl. 181-198.000.

Konno, Akihiro: *See—*

Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, 4,824,396, Cl. 439-475.000.

Konno, Akira; Taguchi, Tetsuya; and Yamaguchi, Takenobu, to Takeda Chemical Industries, Ltd. Bakery products and noodles containing polyglutamic acid. 4,888,193, 12-19-89, Cl. 426-549.000.

Konno, Chisato; Umetani, Yukio; Hirayama, Hiroyuki; and Ohta, Tadashi, to Hitachi, Ltd.; and Hitachi VLSI Engineering Corp. Method of automatic generation of a computer for numerical simulation of physical phenomenon. 4,819,161, 4-4-89, Cl. 364-300.000.

Konno, Chisato: *See—*

Tsuji, Michiru; Konno, Chisato; and Saji, Miyuki, 4,841,479, Cl. 364-900.000.

Konno, Junichi: *See—*

Fujimura, Shuzo; and Konno, Junichi, 4,861,424, Cl. 156-643.000.

Fujimura, Shuzo; and Konno, Junichi, 4,861,732, Cl. 437-229.000.

Konno, Katsuhiro: *See—*

Misono, Shigemi; and Konno, Katsuhiro, 4,801,949, Cl. 346-76.00L.

Konno, Kazuhiko; Araki, Kouichi; Sasaki, Norio; Endo, Keiji; Hikido, Mitsuru; and Sugaya, Kiyoshi, to Mitsubishi Petrochemical Co., Ltd. Triazine derivatives, herbicidal composition containing them, and method of controlling growth of undesired vegetation by using same. 4,816,064, 3-28-89, Cl. 71-93.000.

Konno, Kenichi: *See—*

Konishi, Yoshihiro; Konno, Kenichi; and Awai, Ikuo, 4,837,535, Cl. 333-210.000.

Konno, Mark A.; and Ripley, John A., to Baxter Travenol Laboratories, Inc. Thermodilution method and apparatus for determining right ventricular ejection fraction. 4,858,618, 8-22-89, Cl. 128-7.300.

Konno, Masaaki: *See—*

Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, 4,831,461, Cl. 358-296.000.

Konno, Masashi: *See—*

Inoue, Takeshi; and Konno, Masashi, 4,823,041, Cl. 310-322.000.

Konno, Sadao: *See—*

Tamura, Tatsuya; Igarashi, Nobuo; Konno, Sadao; and Nakajima, Hiroyuki, 4,865,796, Cl. 264-40.700.

Konno, Tadashige; Nishida, Koji; and Saitoh, Makoto, to TDK Corporation. Composite-type circuit component and its manufacturing method. 4,847,730, 7-11-89, Cl. 361-306.000.

Konno, Takamichi: *See—*

Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, 4,843,068, Cl. 514-63.000.

Konno, Tetsuro; Kanai, Yutaka; and Fujita, Tetsuya, to Seikosha Co., Ltd. Electrophotographic recording system. 4,797,695, 1-10-89, Cl. 346-160.000.

Konno, Toshihiro, to Fuji Jukogyo Kabushiki Kaisha. Four-wheel steering system of a motor vehicle. 4,880,073, 11-14-89, Cl. 180-140.000.

Konno, Tsukasa, to Mitsubishi Denki Kabushiki Kaisha. Zeroing control system for numerically control apparatus. 4,847,777, 7-11-89, Cl. 364-474.340.

Konno, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulic circuit for valve operation timing changing device for internal combustion engine. 4,794,892, 1-3-89, Cl. 123-90.160.

Konno, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating mechanism for internal combustion engines. 4,799,463, 1-24-89, Cl. 123-90.170.

Konno, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating apparatus for an internal combustion engine. 4,844,022, 7-4-89, Cl. 123-90.160.

Konno, Tsuneo; and Sugai, Takashi, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating device for internal combustion engine. 4,844,023, 7-4-89, Cl. 123-90.160.

Konno, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating device for multicylinder internal combustion engine. 4,848,284, 7-18-89, Cl. 123-90.160.

Konno, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating apparatus for an internal combustion engine. 4,848,285, 7-18-89, Cl. 123-90.160.

Konno, Tsuneo, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating device for internal combustion engine. 4,854,272, 8-8-89, Cl. 123-90.170.

Konno, Tsuneo: *See*—
Ishida, Atsushi; and Konno, Tsuneo, 4,887,563, Cl. 123-90.160.
Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,796,354, Cl. 29-608.000.
Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,808,934, Cl. 324-208.000.
Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,810,967, Cl. 324-208.000.

Konno, Yoshikiyo, to Pioneer Electronic Corporation. Tracking control device. 4,807,207, 2-21-89, Cl. 369-46.000.

Konno, Yutaka; Mitomi, Mitsuo; Sonobe, Takashi; and Yamaguchi, Shumpei, to Yamanouchi Pharmaceutical Co., Ltd. Plaster structural assembly for iontophoresis. 4,842,577, 6-27-89, Cl. 604-20.000.

Konno, Yutaka; Kawata, Hiroitsu; Aruga, Masayoshi; Sonobe, Takashi; and Mitomi, Mitsuo, to Yamanouchi Pharmaceutical Co., Ltd. Patch. 4,879,119, 11-7-89, Cl. 424-449.000.

Kono, Hiromi, to Diesel Kiki Co., Ltd. Data processing system adaptable to using equivalent integrated circuits. 4,853,844, 8-1-89, Cl. 364-200.000.

Kono, Hiromi: *See*—
Sato, Yuji; Kono, Hiromi; Tanoue, Akifumi; and Kimura, Yoshiyuki, 4,884,201, Cl. 364-424.100.
Wakiya, Michio; and Kono, Hiromi, 4,813,335, Cl. 91-361.000.

Kono, Hisao: *See*—
Tonoki, Kenji; Tsunoda, Kazuyoshi; Yokono, Haruki; Kono, Hisao; Yokoyama, Ryoji; and Nakamura, Fumiaki, 4,824,509, Cl. 156-285.000.

Kono, Hisashi O.: *See*—
Fleming, Hubert L.; Edd, Jon F.; Pearson, Alan; Chou, Chin-Liang; Kono, Hisashi O.; and Huang, Ching-Chung, 4,797,271, Cl. 423-625.000.

Kono, Katsuaki: *See*—
Yamada, Seiji; Kono, Katsuaki; and Terashima, Kiichi, 4,811,256, Cl. 364-567.000.

Kono, Keizo; Kondou, Mitsushige; Tsubouchi, Natsuro; Hine, Shiro; Nishihara, Hiroshi; and Suhara, Toshiaki, to Mitsubishi Denki Kabushiki Kaisha. Method of producing optical head assembly. 4,859,033, 8-22-89, Cl. 350-320.000.

Kono, Keizo: *See*—
Toyama, Mitsuaki; Ebihara, Tameaki; Kawai, Syohei; Kono, Keizo; and Shimoda, Nobuo, 4,823,187, Cl. 358-51.000.

Kono, Koichi; Okamoto, Kenkichi; Iwasaki, Rumi; and Sawada, Shuichi, to Toa Nenryo Kogyo Kabushiki Kaisha. Process for producing microporous ultra-high-molecular-weight polyolefin membrane. 4,873,034, 10-10-89, Cl. 264-41.000.

Kono, Koichi: *See*—
Itoh, Takuji; Saeki, Kazuo; and Kono, Koichi, 4,849,311, Cl. 429-192.000.

Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, to Harima Chemicals, Inc. Conductive high molecular weight composition. 4,851,153, 7-25-89, Cl. 252-518.000.

Kono, Motomichi; Kasai, Masaji; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, to Kyowa Hakko Kogyo Kabushiki Kaisha. Mitomaycin compounds. 4,820,824, 4-11-89, Cl. 548-422.000.

Kono, Motomichi: *See*—
Kasai, Masaji; Kanda, Yutaka; Kono, Motomichi; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,880,825, Cl. 514-409.000.
Saito, Yutaka; Kasai, Masaji; Shirahata, Kunikatsu; Kono, Motomichi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,853,385, Cl. 514-250.000.

Kono, Shigeru: *See*—
Kuriyama, Kazumi; Takasu, Yutaka; Kono, Shigeru; Koshio, Chiharu; and Nagata, Kazuhiko, 4,850,791, Cl. 414-750.000.
Kuriyama, Kazumi; Kono, Shigeru; Takasu, Yutaka; Koshio, Chiharu; and Nagata, Kazuhiko, 4,865,445, Cl. 356-73.000.

Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, to Canon Kabushiki Kaisha. Recording medium. 4,801,497, 1-31-89, Cl. 428-332.000.

Kono, Shunzo: *See*—
Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, Cl. 428-332.000.

Kono, Teruhisa; and Hashida, Koichi, to Sumitomo Electric Industries, Ltd. Brake pressure control apparatus. 4,810,042, 3-7-89, Cl. 303-92.000.

Kono, Teruhisa; Takata, Koji; and Hashida, Koichi, to Sumitomo Electric Industries, Ltd. Throttle opening control actuator. 4,867,122, 9-19-89, Cl. 123-396.000.

Kono, Yoichiro; Kumagai, Yasuaki; Takeda, Nobuaki; and Ogita, Hiroshi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Exhaust emission purifier for diesel engines. 4,881,959, 11-21-89, Cl. 55-267.000.

Kono, Yoshitsugu: *See*—
Itoh, Hiroyuki; Kono, Yoshitsugu; Ajioka, Masanobu; Takenaka, Shinji; and Kataita, Masafumi, 4,803,065, Cl. 423-502.000.

Konobe, Takeo: *See*—
Chazono, Masashi; Yoshida, Iwao; Konobe, Takeo; Osame, Juichiro; and Takaku, Keisuke, 4,849,358, Cl. 435-252.000.

Konoma, Kunihiko: *See*—
Ueda, Toshihiko; and Konoma, Kunihiko, 4,805,999, Cl. 350-425.000.

Konomi, Toshiaki: *See*—
Chujo, Yoshiki; Inoue, Tokuta; Konomi, Toshiaki; and Hyodo, Yoshihiko, 4,836,174, Cl. 123-571.000.

Konomura, Yutaka; and Tsuruoka, Takao, to Olympus Optical Co., Ltd. Image data compressing device for endoscope. 4,845,553, 7-4-89, Cl. 358-98.000.

Konon, Walter, to New Jersey Institute of Technology. System for removing contaminants from ground water. 4,883,589, 11-28-89, Cl. 210-140.000.

Kononenko, Tamara I.: *See*—
Bozhko, Valery P.; Losev, Alexei V.; Takoriants, Matens P.; Finkov, Viktor I.; Strizhenko, Vitaly E.; Levityansky, Ivan A.; Filippov, Boris L.; and Kononenko, Tamara I., 4,802,654, Cl. 266-51.000.

Kononenko, Tamara I., executrix: *See*—
Bozhko, Valery P.; Strizhenko, Vitaly E.; Kushnarenko, Sergei G.; Losev, Alexei V.; and Kononenko, Vadim G., deceased, 4,826,541, Cl. 148-9.00R.

Kononenko, Vadim G., deceased: *See*—
Bozhko, Valery P.; Strizhenko, Vitaly E.; Kushnarenko, Sergei G.; Losev, Alexei V.; and Kononenko, Vadim G., deceased, 4,826,541, Cl. 148-9.00R.

Kononov, Anthony. Filter analyzing system. 4,881,176, 11-14-89, Cl. 364-500.000.

Konopka, John G., to Zenith Electronics Corporation. Low cost automatic voltage doubler switch. 4,805,083, 2-14-89, Cl. 363-143.000.

Konopka, John G., to Zenith Electronics Corporation. Constant current source and battery charger. 4,829,259, 5-9-89, Cl. 320-21.000.

Konopka, John G., to Zenith Electronics Corporation. DC fan speed control. 4,856,078, 8-8-89, Cl. 388-831.000.

Konopka, John G., to Zenith Electronics Corporation. Constant current source and battery charger. 4,862,013, 8-29-89, Cl. 307-254.000.

Konopka, John G., to Zenith Electronics Corporation. Constant current source and battery charger. 4,885,522, 12-5-89, Cl. 320-21.000.

Konopka, Richard O. Medication dispenser. 4,872,591, 10-10-89, Cl. 221-3.000.

Konoplyanko, Anatoly I.: *See*—
Dzjuban, Vitaly S.; Sazhin, Alexandr D.; Zhitnikov, Valery K.; and Konoplyanko, Anatoly I., 4,875,040, Cl. 340-825.060.

Konose, Yoshiomi, to Mitsubishi Pencil Co., Ltd. Device for fixing applicator onto coating instrument. 4,856,925, 8-15-89, Cl. 401-290.000.

Konosu, Naohiro: *See*—
Tsuruoka, Michihiko; Nakagawa, Wataru; Miyoshi, Norio; Konosu, Naohiro; and Hashimoto, Tadao, 4,872,335, Cl. 73-30.000.

Konosu, Osamu: *See*—
Adachi, Osamu; and Konosu, Osamu, 4,837,482, Cl. 313-402.000.
Ashizaki, Shigeya; Konosu, Osamu; Suzuki, Hiroshi; and Nasuhara, Masao, 4,831,309, Cl. 313-413.000.

Konotsune, Shiro: *See*—
Kunimune, Kouichi; Kutsuzawa, Yoshiya; Egawa, Hiromi; and Konotsune, Shiro, 4,818,806, Cl. 528-26.000.

Konovalenko, Vladimir V.: *See*—
Budyko, Viktor A.; Ivanchenko, Andrei F.; Krokhmal, Vladimir M.; Konovalenko, Vladimir V.; Nechvolodov, Georgy V.; Latochkin, Boris N.; and Kutsov, Valentin D., 4,885,654, Cl. 361-13.000.

Konrad, Charles E.: *See*—
Ketelhut, William J.; and Konrad, Charles E., 4,870,564, Cl. 364-200.000.

Konrad Doppelmayr & Sohn Maschinenfabrik Gesellschaft mbH & Co. KG: *See*—
Meinl, Bernd, 4,802,416, Cl. 104-192.000.

Konrad, Eugen; Clausen, Thomas; Braun, Hans-Jurgen; and Mager, Herbert, to Wella Aktiengesellschaft. 2-nitroaniline derivatives. 4,835,314, 5-30-89, Cl. 564-441.000.

Konrad, Eugen; and Clausen, Thomas, to Wella Aktiengesellschaft. Diaminotetrafluoroethoxybenzenes. 4,845,294, 7-4-89, Cl. 564-442.000.

Konrad, Eugen; Mager, Herbert; and Hoch, Dietrich, to Wella Aktiengesellschaft. Hair treating compositions and processes for improving the condition of hair. 4,855,130, 8-8-89, Cl. 424-70.000.

Konrad, Eugen; Mager, Herbert; and Hoffmann, Axel, to Wella Aktiengesellschaft. Composition and method for the oxidative dyeing of hair. 4,883,656, 11-28-89, Cl. 424-70.000.

Konrad, Eugen; and Clausen, Thomas, to Wella Aktiengesellschaft. Diaminotetrafluoroethoxybenzenes, process for producing same and hair coloring agents containing same. 4,886,516, 12-12-89, Cl. 8-408.000.

Konrad, Eugen: *See*—
Clausen, Thomas; and Konrad, Eugen, 4,797,130, Cl. 8-421.000.
Clausen, Thomas; and Konrad, Eugen, 4,854,935, Cl. 8-408.000.
Huemeyer, Hans; Mager, Herbert; and Konrad, Eugen, 4,840,639, Cl. 8-410.000.
Lang, Gunther; Wendel, Harald; and Konrad, Eugen, 4,822,598, Cl. 424-47.000.
Lang, Gunther; Maresch, Gerhard; Wendel, Harald; Konrad, Eugen; Lenz, Hans-Rudi; and Titze, Jurgen, 4,835,266, Cl. 536-20.000.
Lang, Gunther; Maresch, Gerhard; Lenz, Hans-Rudi; Konrad, Eugen; Breuer, Lothar; and Hoch, Dietrich, 4,845,204, Cl. 536-20.000.

Konrad, Guenther; Moeller, Hinrich; and Lieske, Edgar, to Henkel Kommanditgesellschaft Auf Aktien. Oxidation hair-dyeing preparations. 4,828,568, 5-9-89, Cl. 8-408.000.

Konrad, John M.: *See*—
Angell, Richard G., Jr.; Michno, Michael J., Jr.; Konrad, John M.; and Hobbs, Kenneth E., 4,804,509, Cl. 264-136.000.

Konrad, Manfred, to Satronic, AG. Method and circuit for exciting an ultrasonic generator and the use thereof for atomizing a liquid. 4,868,521, 9-19-89, Cl. 331-1.00R.

Konrad, Rainer; Funk, Guido; Schmidt-Thuemmes, Juergen; Mueller-Mall, Rudolf; and Schweier, Guenther, to BASF Aktiengesellschaft. Preparation of homopolymers and copolymers of ethene by Phillips catalysis. 4,814,308, 3-21-89, Cl. 502-107.000.

Konrad, Rainer; Hemmerich, Rainer; Mueller-Mall, Rudolf; and Schweier, Guenther, to BASF Aktiengesellschaft. Preparation of homopolymers and copolymers of ethene using a chromium trioxide catalyst. 4,845,176, 7-4-89, Cl. 526-105.000.

Konrad Rosenbauer KG: *See*—
Hawelka, Walter; and Staudinger, Hermann, 4,830,421, Cl. 296-24.100.

Konrad, Stephan R.: *See*—
Hetzel, Robert H.; and Konrad, Stephan R., 4,865,520, Cl. 416-236.00R.

Konrad, William L., to United States of America, Navy. Disappearing baffle for sonar arrays. 4,815,049, 3-21-89, Cl. 367-176.000.

Konrad, William L., to United States of America, Navy. Means for proximal end measurement of AC voltage across distal end cable load. 4,835,462, 5-30-89, Cl. 324-119.000.

Konrath, Karl; Koester, Claus; Zibold, Karl; Schwarz, Manfred; Russeler, Karl-Friedrich; Krieger, Klaus; and Kupzik, Roland, to Robert Bosch GmbH. Fuel-injection pump for internal combustion engines, in particular for diesel engines. 4,884,542, 12-5-89, Cl. 123-370.000.

Konrath, Karl: *See*—
Braun, Wolfgang; Emsmann, Wulf; Konrath, Karl; Krieger, Klaus; and Nothdurft, Heinz, 4,811,709, Cl. 123-357.000.

Kons, Hugo L.: *See*—
Frick, Richard H.; Kons, Hugo L.; and Morris, Marion C., 4,802,636, Cl. 242-67.10R.

Konsaka, Masanobu: *See*—
Okamoto, Masanori; Iwami, Morita; Takase, Shigehiro; Uchida, Itsuo; Umehara, Kazuyoshi; Konsaka, Masanobu; and Imanaka, Hiroshi, 4,863,926, Cl. 514-255.000.

Konsepts Beauty Supply, Inc.: *See*—
Ferraris, Lori, 4,874,001, Cl. 132-75.800.

Konsevich, Francis X.: *See*—
Thorpe, J. Carlton; and Konsevich, Francis X., 4,806,892, Cl. 335-246.000.

Konstantiniuk, Roland: *See*—
Weinmann, Alfred; Steinegger, Josef; Scheucher, Peter; Konstantiniuk, Roland; Leutzendorff, Wolfgang; and Hermann, Hubert, 4,849,116, Cl. 210-770.000.

Konsti, Patricia R.: *See*—
Darvell, Wayne K.; Konsti, Patricia R.; Klingen, Jurgen; and Kreckel, Karl W., 4,855,170, Cl. 428-40.000.

Konta, Ikuo, to Tomy Kogyo Co., Inc. Double door opening and closing mechanism for use in toys and models. 4,832,649, 5-23-89, Cl. 446-135.000.

Konter, Wolfgang: *See*—
Casper, Rudolf; Wendling, Peter; Konter, Wolfgang; and Hohmann, Gerhard, 4,839,447, Cl. 526-225.000.

Kontoghiorghes, George: *See*—
Hider, Robert C.; Kontoghiorghes, George; and Stockham, Michael A., 4,834,983, Cl. 424-463.000.
Hider, Robert C.; Kontoghiorghes, George; and Silver, Jack, 4,840,958, Cl. 514-348.000.
Hider, Robert C.; Kontoghiorghes, George; and Stockham, Michael A., 4,861,767, Cl. 514-184.000.
Hider, Robert C.; Kontoghiorghes, George; Silver, Jack; and Stockham, Michael A., 4,863,913, Cl. 514-188.000.

Kontron Holding A.G.: *See*—
Jacob-Grinschgl, Wolfgang; and Muller, Udo, 4,833,774, Cl. 29-605.000.
Jacob-Grinschgl, Wolfgang; and Muller, Udo, 4,855,538, Cl. 178-18.000.
Wiget, Peter, 4,834,534, Cl. 356-246.000.

Kontturi, Risto: *See*—
Kulju, Hannu; and Kontturi, Risto, 4,870,663, Cl. 367-94.000.

Kontz, Donald E., Jr. Landscaping bed divider. 4,823,521, 4-25-89, Cl. 52-102.000.

Kontz, Robert F., to Owens-Illinois Plastic Products Inc. Label application apparatus having a magazine with retaining fingers. 4,851,072, 7-25-89, Cl. 156-453.000.

Konuma, Satoshi: *See*—
Tachiuchi, Tsuguji; Konuma, Satoshi; and Tsuchiya, Nobuo, 4,839,739, Cl. 358-282.000.

Konuma, Toshimitsu: *See*—
Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,820,612, Cl. 430-315.000.
Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,828,967, Cl. 430-315.000.
Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
Yamazaki, Shunpei; Inujima, Takashi; Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Hamatani, Toshiji; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,799,776, Cl. 350-350.00S.
Yamazaki, Shunpei; Inushima, Takashi; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; and Sakama, Mitsunori, 4,844,588, Cl. 350-339.00R.
Yamazaki, Shunpei; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; Sakama, Mitsunori; and Inushima, Takashi, 4,855,805, Cl. 357-58.000.
Yamazaki, Shunpei; Inujima, Takashi; Konuma, Toshimitsu; Hamatani, Toshiji; Mase, Akira; Sakama, Mitsunori; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshihara, 4,861,143, Cl. 350-350.00S.

Konvekta, GmbH: *See*—
Koehler, Juergen, 4,836,277, Cl. 165-151.000.

Konwinski, Arthur H.: *See*—
Beery, Kenneth E.; and Konwinski, Arthur H., 4,888,198, Cl. 426-656.000.

Konya, Minehiro: *See*—
Tanaka, Hideaki; Katurada, Morihiro; and Konya, Minehiro, 4,847,912, Cl. 382-9.000.
Tanka, Hideaki; Katsurada, Morihiro; and Konya, Minehiro, 4,860,376, Cl. 382-57.000.

Konzal, Daryl; and Salnajs, Gunars, to International Paper Company. High capacity package seal, sever, and brick apparatus and method. 4,817,366, 4-4-89, Cl. 53-451.060.

Konzal, Daryl; and Salnajs, Gunars, to International Paper Company. High capacity continuous package seam and tab folding and tacking apparatus and method. 4,819,411, 4-11-89, Cl. 53-439.000.

Konzal, Daryl; and Salnajs, Gunars, to International Paper Company. High capacity package seal, sever, and brick apparatus and method. 4,881,360, 11-21-89, Cl. 53-439.000.

Konze, Jorg: *See*—
Regel, Erik; Bockmann, Klaus; Buchel, Karl H.; Lurssen, Klaus; Brandes, Wilhelm; Konze, Jorg; and Reinecke, Paul, 4,875,928, Cl. 71-92.000.

Konzelmann, Frederick M.: *See*—
Albrecht, Harry A.; Konzelmann, Frederick M.; and Keith, Dennis D., 4,8[illegible],130, Cl. 540-363.000.

Konzmann, Rainer; Ohlhausen, Otto; Schmitt, Joachim; Koucky, Antonin; and Klink, Josef, to Daimler-Benz Aktiengesellschaft. Motor vehicle seat arm rest control. 4,886,317, 12-12-89, Cl. 297-417.000.

Koo, Frances D., to Hughes Aircraft Company. Interleaved method and circuitry for testing for stuck open faults. 4,833,676, 5-23-89, Cl. 371-15.000.

Koo, Hong W. V., to Mike & Kremmel Limited. Can openers. 4,825,554, 5-2-89, Cl. 30-417.000.

Koo, Ja-young: *See*—
Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., 4,859,384, Cl. 264-45.100.

Koo, James T.: *See*—
Chung, Shine C.; Tsang, Siu K.; Koo, James T.; Chen, Sho Long S.; and Chan, John Y., 4,837,748, Cl. 365-236.000.

Koo, Kee P.; Bucholtz, Frank; and Dandridge, Anthony, to United States of America, Navy. Passive stabilization of a fiber optic nonlinear interferometric sensor. 4,881,813, 11-21-89, Cl. 356-345.000.

Koob, Knut: *See*—
Fischer, Roman; Koob, Knut; and Loecher, Friedrich, 4,824,864, Cl. 514-494.000.

Koocher, Martin; and Siemers, Nathan O., to Crystal Diagnostics, Inc. Methods and apparatus for detecting an analyte of interest capable of being converted into a carbonyl-containing composition. 4,816,414, 3-28-89, Cl. 436-85.000.

Kooi, J. Peter E.; and Myers, James W., Jr., to Teledyne Industries Inc. Knockout pin apparatus. 4,887,448, 12-19-89, Cl. 72-344.000.

Kooijmans, Petrus G.; Van Iperen, Roeland; and Sikking, Arjan, to Shell Oil Company. Process for the preparation of carboxylated amide binders. 4,816,300, 3-28-89, Cl. 427-386.000.

Kooijmans, Petrus G.: *See*—
Van Iperen, Roeland; Van Der Mark, Johannes M.; and Kooijmans, Petrus G., 4,840,979, Cl. 523-404.000.

Kooiker, John, to Steffens Enterprises, Inc. Folding cover for pickup box. 4,844,531, 7-4-89, Cl. 296-100.000.

Kool-Fire Limited: *See*—
Vandervaart, Gerry, 4,825,664, Cl. 62-324.100.

Kool Kap Corp.: *See*—
Scott, John, 4,815,530, Cl. 165-134.100.

Kool, Lawrence B.; and Whitesides, George M., to President and Fellows of Harvard College. Organic condensation polymers and method of making same. 4,845,181, 7-4-89, Cl. 528-48.000.

- Koolaj es Foldgazbanyaszati Vallalat: *See—*
  - Megyeri, Mihaly; Koncz, Istvan; Tiszai, Gyorgy; Paal, Tibor; and Szittar, Antal, 4,844,155, Cl. 166-261.000.
- Koolpe, Gary A.: *See—*
  - Harris, Ralph N., III; Bedford, Clifford D.; Hilmas, Duane E.; Howd, Robert A.; Kenley, Richard A.; and Koolpe, Gary A., 4,865,837, Cl. 424-10.000.
- Koomen, Joannes J. M.: *See—*
  - Cuppens, Roger; and Koomen, Joannes J. M., 4,862,418, Cl. 365-201.000.
- Koomey, Inc.: *See—*
  - Tomlin, Jerry B.; and Olejak, Ingo W. V., 4,887,643, Cl. 137-625.660.
- Koon, Terry D. Level indicator. 4,864,857, 9-12-89, Cl. 73-304.00C.
- Koons, Edwin R.: *See—*
  - Hodges, C. Wayne; Henderson, Dennis R.; and Koons, Edwin R., 4,841,608, Cl. 29-25.420.
- Koons, Roger R.: *See—*
  - Kramer, Robert H.; and Koons, Roger R., 4,836,513, Cl. 267-140.100.
- Koontz, Carl E.: *See—*
  - Ochs, Charles S.; and Koontz, Carl E., 4,803,031, Cl. 264-255.000.
- Koontz, David A.: *See—*
  - King, William L.; Elles, Daniel G.; and Koontz, David A., 4,863,018, Cl. 206-290.000.
- Koontz, Harry S.; and Wilson, James F., to PPG Industries, Inc. Capacitive coupled moisture sensor. 4,805,070, 2-14-89, Cl. 361-286.000.
- Koontz, Harry S., to PPG Industries, Inc. Enhanced reliability discontinuity detector in a heated transparency. 4,847,472, 7-11-89, Cl. 219-543.000.
- Koontz, Harry S.: *See—*
  - Wilson, James F.; Koontz, Harry S.; Wagner, William E.; Everhart, John J.; Freeman, Glen E.; and Donley, Harold E., deceased, 4,831,493, Cl. 361-286.000.
- Koontz, James M., Jr.: *See—*
  - Bates, Joseph A.; Koontz, James M., Jr.; and Garner, John D., 4,830,417, Cl. 293-134.000.
- Koontz, William D., to Design Products, Co., Inc. Light fixture. 4,821,161, 4-11-89, Cl. 362-364.000.
- Koop, Dale, to Rofin Sinar, Inc. Flowing gas CO_2 laser. 4,837,770, 6-6-89, Cl. 372-59.000.
- Koop, Dale E., to Rofin-Sinar, Inc. Floating mirror mount. 4,796,275, 1-3-89, Cl. 372-107.000.
- Koop, Dale E.; and Rando, Joseph F., to Rofin-Sinar, Inc. Resonator module and blower module assembly. 4,823,349, 4-18-89, Cl. 372-34.000.
- Koop, Dale E.; and Basanese, Robert E., to Rofin-Sinar, Inc. Flowing gas laser discharge tube structure. 4,825,445, 4-25-89, Cl. 372-61.000.
- Koop, Dale E., to Rofin-Sinar, Inc. Alignment laser periscope. 4,849,603, 7-18-89, Cl. 219-121.780.
- Koop, Dale E.: *See—*
  - Basanese, Robert E.; Koop, Dale E.; and Wallace, Robert E., 4,864,098, Cl. 219-121.610.
- Koop, Hermann; and Schuddekopf, Hans, to U.S. Philips Corporation. Method of marking disc-shaped information carriers. 4,834,843, 5-30-89, Cl. 204-5.000.
- Koop, Hermann; and Pechtheiden-Meier, Claudia, to Philips & DuPont Optical Company. Method of manfacturing a mould and providing it with a backing and mould manufactured according to the invention. 4,861,437, 8-29-89, Cl. 204-5.000.
- Koop, Rodney D.; Lobb, Thomas A.; and Martin, Richard L., Jr., to Boeing Company, The. Auto-digestor. 4,795,713, 1-3-89, Cl. 436-175.000.
- Koopman, R. Nelson, to Restaurant Technology, Inc. Apparatus for frying food products. 4,854,227, 8-8-89, Cl. 99-416.000.
- Koopman, Roelof: *See—*
  - Lodder, Bernard; Koopman, Roelof; and Visscher, Jan, 4,855,574, Cl. 219-535.000.
- Koor Metals Ltd.: *See—*
  - Yerushalmi, Yaakov, 4,889,258, Cl. 220-429.000.
- Koori, Yasuo; and Mitsui, Tsutomu, to Aisin Seiki Kabushiki Kaisha. Clutch pressure control apparatus. 4,800,497, 1-24-89, Cl. 364-424.100.
- Koorn, Maarten: *See—*
  - Louet Feisser, Arnold; Koorn, Maarten; and Sikkema, Sape, 4,838,013, Cl. 56-13.600.
- Koorneef, Jacob: *See—*
  - Van Roosmalen, Johannes T. C.; Fastenau, Robert H. J.; Koorneef, Jacob; Baan Hofman, Matthijs J.; and Klomp, Johannes T., 4,829,211, Cl. 313-402.000.
- Kooyama, Kazunori: *See—*
  - Ichikawa, Makoto; Takahashi, Kaneo; Tokomoto, Mitsuo; Zaita, Hironori; Kooyama, Kazunori; Ureshino, Kashiro; and Yoshida, Katsuhiko, 4,813,313, Cl. 82-128.000.
- Kopaciewicz, William: *See—*
  - Regnier, Frederick F.; and Kopaciewicz, William, 4,804,686, Cl. 521-28.000.
- Kopainsky, Jurgen: *See—*
  - Brand, Klaus-Peter; Kopainsky, Jurgen; and Wittwer, Fritz, 4,878,185, Cl. 364-572.000.
- Kopatz, Nelson E.; Ritsko, Joseph E.; and Johnson, Walter A., to GTE Products Corporation. Process for producing finely divided spherical metal powders containing an iron group metal and a readily oxidizable metal. 4,802,915, 2-7-89, Cl. 75-0.5AA.
- Kopatz, Nelson E.; and Pruyne, Lori S., to GTE Products Corporation. Process for producing fine spherical particles having a low oxygen content. 4,808,217, 2-28-89, Cl. 75-0.50B.
- Kopatz, Nelson E.; and Vanderpool, Jack E., to GTE Products Corporation. Process for producing fine spherical particles. 4,816,087, 3-28-89, Cl. 75-0.50B.
- Kopatz, Nelson E.; Stermer, Philip E.; and Pruyne, Lori S., to GTE Products Corporation. Gas dispersion shroud for high temperature processing of powders. 4,880,605, 11-14-89, Cl. 422-232.000.
- Kopatz, Nelson E.; Johnson, Walter A.; Vanderpool, Jack E.; and Shaw, Howard H., to GTE Products Corporation. Process for producing prealloyed tungsten alloy powders. 4,885,028, 12-5-89, Cl. 75-0.5BB.
- Kopatz, Nelson E.: *See—*
  - Johnson, Walter A.; Kopatz, Nelson E.; and Ritsko, Joseph E., 4,859,237, Cl. 75-0.5AA.
  - Kemp, Preston B., Jr.; Johnson, Walter A.; and Kopatz, Nelson E., 4,800,064, Cl. 419-36.000.
- Kopchick, John J.; Leung, Frederick C.; Livelli, Thomas J.; and Malavarca, Richard H., to Merck & Co., Inc. Avian retrovirus-bovine growth hormone DNA. 4,828,987, 5-9-89, Cl. 435-68.000.
- Kopco, James J.; and Sovis, John F., to Royal Appliance Mfg. Co. Adaptor and bag insert. 4,800,614, 1-31-89, Cl. 15-330.000.
- Kopczynski, John F. All-terrain vehicle. 4,817,747, 4-4-89, Cl. 180-22.000.
- Kopec, James W.: *See—*
  - Zerrien, Donald W., Jr.; and Kopec, James W., 4,814,704, Cl. 324-208.000.
- Kopec, Stanley J., Jr.: *See—*
  - Wong, Sau-Ching; So, Hock-Chuen; Kopec, Stanley J., Jr.; and Hartmann, Robert F., 4,871,930, Cl. 307-465.000.
- Kopecki, Denis S., to Eastman Christensen Company. Drill string drill collars. 4,872,519, 10-10-89, Cl. 175-320.000.
- Kopecky, Ivyl D.: *See—*
  - Willey, Leone V.; Willey, Donald L.; Kopecky, Ivyl D.; Stoltenberg, Ronald; and Bennett, Patrick D., 4,834,411, Cl. 280-250.100.
- Kopel, David. Wallet incorporating credit card alarm system. 4,890,094, 12-26-89, Cl. 340-571.000.
- Kopelman, Edward E.: *See—*
  - Peckitt, Guy R.; and Kopelman, Edward E., 4,855,646, Cl. 315-175.000.
- Kopelman, Robert Z. Transducerized pressurized hot-vapor spraying device. 4,866,859, 9-19-89, Cl. 34-44.000.
- Kopelyansky, Vladimir B.: *See—*
  - Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikita G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshin, Semen V., 4,854,820, Cl. 415-171.100.
- Koper, Judith L.: *See—*
  - Donley, Shawn T.; Gross, Garry L.; and Koper, Judith L., 4,866,361, Cl. 318-584.000.
- Kopera, Paul: *See—*
  - Lawson, Christopher M.; Tekippe, Vincent J.; and Kopera, Paul, 4,834,481, Cl. 350-96.150.
- Kopernicky, Jaroslav, to Stream Industrial Systems Inc. Particular material loader. 4,812,086, 3-14-89, Cl. 406-153.000.
- Kopetz, Hermann, to Austria Miktosystem International GmbH. Loosely coupled distributed computer system with node synchronization for precision in real time applications. 4,866,606, 9-12-89, Cl. 364-200.000.
- Kopf, Arthur: *See—*
  - Allgaier, Jurgen; Ganter, Wolfgang; Hodapp, Wolfram; Kopf, Arthur; and Maurer, Roland, 4,860,268, Cl. 368-47.000.
- Kopf, Hartmut: *See—*
  - Kopf-Maier, Petra; Kopf, Hartmut; and Neuse, Eberhard W., 4,851,430, Cl. 514-502.000.
- Kopf, Henry B. Filter plate, filter plate element, and filter comprising same. 4,867,876, 9-19-89, Cl. 210-228.000.
- Kopf, Henry B. Filter plate, filter plate element, and filter comprising same. 4,882,050, 11-21-89, Cl. 210-231.000.
- Kopf, Henry B. Apparatus for mass transfer involving biological/pharmaceutical media. 4,885,087, 12-5-89, Cl. 210-321.720.
- Kopf-Maier, Petra; Kopf, Hartmut; and Neuse, Eberhard W. Compositions containing metallicenium salts and utilization thereof as cytostatic agents for combatting tumors susceptible thereto. 4,851,43 7-25-89, Cl. 514-502.000.
- Kopf, Thomas W., to Master Products Inc. Safety tray. 4,872,72 10-10-89, Cl. 297-216.000.
- Kopia, Jochen: *See—*
  - Kleinevoss, Albert; and Kopia, Jochen, 4,842,172, Cl. 222-[illegible]
- Kopin Corporation: *See—*
  - Fan, John C. C.; Lee, Jhang W.; and Narayan, Jagdish, 4,861,8 Cl. 437-22.000.
  - Fan, John C. C.; Zavracky, Paul M.; Narayan, Jagdish; Allen, Lu P.; and Vu, Duy-Phach, 4,885,052, Cl. 156-620.700.
  - Fan, John C. C.; and Zavracky, Paul M., 4,889,565, Cl. 136-256.0
  - Lee, Jhang W.; and McCullough, Richard E., 4,835,116, Cl. 437-111.000.
  - Salerno, Jack P.; Lee, Jhang W.; and McCullough, Richard E., 4,826,784, Cl. 437-89.000.
- Kopineck, Hermann J.: *See—*
  - Koch, Karl-Heinz; Meininghaus, Fritz; Kopineck, Hermann J.; and Tappe, Wilhelm, 4,818,106, Cl. 356-318.000.

- Kopineck, Hermann-Josef: *See—*
  - Tamler, Horst; Tappe, Wilhelm; and Kopineck, Hermann-Josef, 4,821,544, Cl. 72-16.000.
- Kopmels, Pieter J. M.: *See—*
  - van Calker, Freerk R.; Kopmels, Pieter J. M.; and T[illegible]burg, Antonius W. M., 4,877,126, Cl. 198-847.000.
- Kopnick, Klaus J.: *See—*
  - Gukkenberger, Horst; Eberle, Karl; and Kopnick, Klaus J., 4,821,404, Cl. 29-603.000.
  - Gukkenberger, Horst; Eberle, Karl; and Kopnick, Klaus J., 4,821,405, Cl. 29-603.000.
- Kopnicky, Robert J. Quadra-limbular therapeutic exercise machine. 4,846,156, 7-11-89, Cl. 128-25.00R.
- Kopp, Clinton V.; Roberts, Dennis; Biltoft, Bruce G.; and White, Victor, to Memtec Limited. Hollow fibre filter cartridge and header. 4,876,012, 10-24-89, Cl. 210-644.000.
- Kopp, Clinton V.: *See—*
  - Ford, Douglas L.; Anderson, Eric W.; and Kopp, Clinton V., 4,816,160, Cl. 210-636.000.
- Kopp, Dieter: *See—*
  - Immendorfer, Manfred; Kopp, Dieter; and Hormann, Thomas, 4,837,808, Cl. 379-96.000.
- Kopp, Frans; and Phifer, Edward H., to Shell Oil Company. Tension leg platform tendon installation by deep catenary tow. 4,810,133, 3-7-89, Cl. 405-168.000.
- Kopp, Hans: *See—*
  - Kempf, Helmut; and Kopp, Hans, 4,798,418, Cl. 301-31.000.
- Kopp, Harald: *See—*
  - Dodmann, Gerd; Kroggel, Otto; Fey, Jochen; Kopp, Harald; and Fritz, Christoph, 4,837,509, Cl. 324-207.000.
- Kopp, Harold P.: *See—*
  - Bertsch, Jack E.; and Kopp, Harold P., 4,878,852, Cl. 439-103.000.
- Kopp, Heinz-Peter J.; Lammers, Jannes G.; van der Wolk, Jacob A.; and De Groot, Willibrordus T., to Lever Brothers Company. Process for preparing refined oil. 4,857,237, 8-15-89, Cl. 260-409.000.
- Kopp, Norman L., to Sundstrand Corp. Integral magnetic torque limiting coupling/motor. 4,808,869, 2-28-89, Cl. 310-78.000.
- Kopp, Oswald, to Kadia Diamond Hone Corporation. Method for manufacturing metal wires partially covered with abrasive particles for cutting tools. 4,852,998, 8-1-89, Cl. 51-309.000.
- Kopp, Richard; Grogler, Gerhard; Hess, Heinrich; Schafer, Hermann; and Rasshofer, Werner, to Bayer Aktiengesellschaft. Composite plastic moldings and a process for their production. 4,797,320, 1-10-89, Cl. 428-316.600.
- Kopp, Richard: *See—*
  - Grogler, Gerhard; Ruckes, Andreas; Hess, Heinrich; and Kopp, Richard, 4,882,411, Cl. 528-54.000.
  - Hess, Heinrich; Grogler, Gerhard; and Kopp, Richard, 4,801,623, Cl. 521-157.000.
  - Hess, Heinrich; Grogler, Gerhard; Kopp, Richard; Bock, Manfred; and Clarenz, Werner, 4,847,321, Cl. 524-788.000.
  - Rasshofer, Werner; Grigat, Ernst; Grogler, Gerhard; Hess, Heinrich; and Kopp, Richard, 4,855,504, Cl. 564-395.000.
  - Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,835,224, Cl. 525-453.000.
  - Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,843,107, Cl. 521-155.000.
  - Ruckes, Andreas; Rasshofer, Werner; Konig, Klaus; and Kopp, Richard, 4,843,108, Cl. 521-155.000.
  - Ruckes, Andreas; Grogler, Gerhard; Kopp, Richard; and Hess, Heinrich, 4,851,567, Cl. 560-330.000.
  - Ruckes, Andreas; Grogler, Gerhard; and Kopp, Richard, 4,882,361, Cl. 521-51.000.
- Kopp, Teodora T.: *See—*
  - Cesa, Mark C.; Rinz, James E.; and Kopp, Teodora T., 4,868,061, Cl. 526-258.000.
- Koppa, Daniel A.: *See—*
  - McFeaters, Richard R.; Koppa, Daniel A.; and Babiak, Theodore P., 4,865,862, Cl. 426-496.000.
- Koppe, Reiner H.: *See—*
  - Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,853,947, Cl. 378-99.000.
  - Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,888,794, Cl. 378-41.000.
- Koppel, Gary A.: *See—*
  - Armour, Henry K.; Kennedy, G. Davon; Koppel, Gary A.; and Scott, William L., 4,814,438, Cl. 536-23.000.
- Koppelmann, Eldo K., to Sandvik, Inc. Tooling apparatus comprising a holder and tool head releasably mounted thereon. 4,813,829, 3-21-89, Cl. 409-136.000.
- Koppen, Detlef. Internal combustion engine, particularly, a free-piston engine. 4,803,960, 2-14-89, Cl. 123-46.00A.
- Koppen, Reinhard: *See—*
  - Langenbach, Michael; Cremer, Dirk; and Koppen, Reinhard, 4,887,986, Cl. 441-74.000.
- Koppenberg, Bruce G. Concrete molding system with tubs. 4,881,714, 11-21-89, Cl. 249-60.000.
- Koppenwallner, Georg: *See—*
  - Chun, Chung-Hwan; and Koppenwallner, Georg, 4,813,851, Cl. 417-54.000.
- Kopper, Kenneth W.: *See—*
  - Levitt, Harry; Dugot, Richard S.; and Kopper, Kenneth W., 4,879,749, Cl. 381-68.400.
- Kopper, Michael, to Klockner-Humboldt-Deutz AG. Worm centrifuge. 4,826,608, 5-2-89, Cl. 210-781.000.
- Koppers, Hermann: *See—*
  - Noe, Oskar; Noe, Rolf; Noe, Andreas; and Koppers, Hermann, 4,819,470, Cl. 72-161.000.
- Koppers, Manfred; Sebastian, Lothar; and Guse, Kuno, to Bochumer Eisenhutte Heinzmann GmbH & Co., KG. Pressure measuring device. 4,843,886, 7-4-89, Cl. 73-728.000.
- Koppers, Manfred; Sebastian, Lotar; and Guse, Kuno, to Bochumer Eisenhutte Heintzmann GmbH & Co. KG. Method of controlling the movement of a longwall excavation front, especially the face or breast of a coal seam. 4,887,935, 12-19-89, Cl. 405-302.000.
- Kopperschmidt-Mueller GmbH & Co. KG: *See—*
  - Heine, Werner; and Kurz, Helmut, 4,836,137, Cl. 118-663.000.
  - Heine, Werner; and Muller, Thomas, 4,867,099, Cl. 118-630.000.
  - Kuhn, Wolfgang, 4,806,079, Cl. 417-343.000.
  - Kuhn, Wolfgang; and Juterbock, Karsten, 4,842,203, Cl. 239-705.000.
- Koppitsch, Heinrich; and Sparling, Francis C., to Raychem Corporation. Branched sensor system. 4,843,327, 6-27-89, Cl. 324-525.000.
- Koppmann, Bardo: *See—*
  - Mitlmeier, Norbert; and Koppmann, Bardo, 4,876,522, Cl. 335-193.000.
- Kopriva, Steven D.: *See—*
  - Rhoades, James J.; and Kopriva, Steven D., 4,838,986, Cl. 156-574.000.
- Koprowski, Hilary: *See—*
  - Thurin, Jan; Koprowski, Hilary; Herlyn, Meenhard; and Steplewski, Zenon, 4,849,509, Cl. 530-387.000.
- Koprowski, Robert J.; and Unruh, Jerry D., to Hoechst Celanese Corporation. Hydroformylation of aqueous formaldehyde using a rhodium-tricyclohexylphosphine catalyst system. 4,847,423, 7-11-89, Cl. 568-462.000.
- Kopsa, Rodney: *See—*
  - Stultz, Robert L.; Angel, James M.; and Kopsa, Rodney, 4,817,917, Cl. 254-30.000.
- Kopsch, Reiner; Gosswein, Claus F.; Lutz, Henning; Ball, Michael; and Hubert, Peter, to Ergo Forschungsgesellschaft mbH. Process for separating and producing chlorogenic acid. 4,872,987, 10-10-89, Cl. 210-635.000.
- Koptis, Robert A.; and Heran, Robert F. Method of operating a smokeless pyrolysis furnace with ramp and soak temperature control system. 4,827,855, 5-9-89, Cl. 110-345.000.
- Kora, Hiroyuki: *See—*
  - Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Kora, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, 4,820,775, Cl. 525-247.000.
- Koral, Kenneth F.; Rogers, W. Leslie; and Clinthorne, Neal H., to University of Michigan, The. Correction for compton scattering by analysis of energy spectra. 4,839,808, 6-13-89, Cl. 364-413.240.
- Koralewski, Hans-Eberhard: *See—*
  - Zerbst, Ekkehard; Peters, Tim; and Koralewski, Hans-Eberhard, 4,850,994, Cl. 604-198.000.
- Koran, Laszlo: *See—*
  - Hejman, Conny; Koran, Laszlo; and Mossheden, Bo, 4,818,296, Cl. 127-2.000.
- Koran, Matthew H.: *See—*
  - Frantz, Leo R.; Bauer, Alfred; Koran, Matthew H.; and Becker, Jack, 4,876,416, Cl. 200-11.00R.
- Korant, Bruce D.: *See—*
  - Anton, David L.; Korant, Bruce D.; and Wang, Chia-Lin J., 4,803,272, Cl. 544-277.000.
- Korat, Moshe: *See—*
  - Bracha, Peretz; and Korat, Moshe, 4,854,965, Cl. 71-92.000.
- Korb, Jean-Pierre, to Regie Nationale Des Usines Renault. Process for displaying oil change information in an internal combustion engine. 4,845,623, 7-4-89, Cl. 364-431.030.
- Korb, William B.; and Koetsch, Paul W., to American Saw & MFG. Company. Armored cable cutting device. 4,813,144, 3-21-89, Cl. 30-90.300.
- Korba, Michael F.: *See—*
  - Dummermuth, Ernst H.; Morris, David J.; and Korba, Michael F., 4,831,510, Cl. 364-167.010.
- Korbach, Paul F.: *See—*
  - Corman, Blaine G.; Korbach, Paul F.; and Webber, Kenneth M., 4,801,373, Cl. 208-210.000.
- Korbach, William; Corsentino, John A.; Jones, Allen R.; and McCaskie, John E., to M&T Chemicals, Inc. Baths and process for electroplating hard,adherent,smooth, wear resistant and corrosion resistant chromium deposits. 4,836,897, 6-6-89, Cl. 204-51.000.
- Korbach, William C.; and McMullen, Warren H., to M&T Chemicals Inc. High performance electrodeposited chromium layers. 4,828,656, 5-9-89, Cl. 204-43.100.
- Korbacher, Klaus: *See—*
  - Hoppe, Udo; Korbacher, Klaus; and Schrader, Karl-Heinz, 4,844,711, Cl. 8-406.000.
- Korban, Joseph F.; and Korban, Nouhad F. Frictionless continuously variable transmission. 4,817,464, 4-4-89, Cl. 74-793.000.
- Korban, Joseph F.; and Korban, Nouhad F. Frictionless continuously variable transmission. 4,850,248, 7-25-89, Cl. 74-793.000.
- Korban, Nouhad F.: *See—*
  - Korban, Joseph F.; and Korban, Nouhad F., 4,817,464, Cl. 74-793.000.
  - Korban, Joseph F.; and Korban, Nouhad F., 4,850,248, Cl. 74-793.000.
- Korbanka, Helmut: *See—*
  - Ertl, Josef; and Korbanka, Helmut, 4,797,436, Cl. 524-97.000.

- Korber AG: *See—*
  - Bantien, Jurgen, 4,856,958, Cl. 414-14.000.
  - Chehab, Firdausia; and Koch, Franz P., 4,888,977, Cl. 73-38.000.
  - Deutsch, Reinhard, 4,866,912, Cl. 53-449.000.
  - Deutsch, Reinhard, 4,889,226, Cl. 198-450.000.
  - Gomann, Rolf; Schluter, Karl-Heinz; and Menge, Gunther, 4,825,994, Cl. 198-370.000.
  - Hartmann, Werner; and Moller, Henning, 4,865,052, Cl. 131-844.000.
  - Heitmann, Uwe; and Brand, Peter, 4,869,273, Cl. 131-84.300.
  - Heitmann, Uwe; and Brand, Peter, 4,889,138, Cl. 131-84.100.
  - Heitmann, Uwe, 4,889,139, Cl. 131-84.300.
  - Hensgen, Gerhard; and Schlisio, Siegfried, 4,804,079, Cl. 198-450.000.
  - Hensgen, Gerhard; Heitmann, Uwe; Brand, Peter; and Pinck, Peter, 4,860,772, Cl. 131-84.100.
  - Hinz, Werner, 4,823,932, Cl. 198-450.000.
  - Hinz, Werner, 4,825,882, Cl. 131-94.000.
  - Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, 4,825,883, Cl. 131-94.000.
  - Hinz, Werner, 4,827,947, Cl. 131-281.000.
  - Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, 4,841,993, Cl. 131-94.000.
  - Hinzmann, Alfred; Preisner, Peter M.; and Shu, Timour T., 4,886,077, Cl. 131-282.000.
  - Holznagel, Uwe, 4,844,100, Cl. 131-84.100.
  - Janutta, Reinhard, 4,836,518, Cl. 269-43.000.
  - Janutta, Reinhard; Hartmann, Franz; and Hinzmann, Gerd, 4,878,319, Cl. 51-271.000.
  - Liebe, Reinhard; and Wochnowski, Waldemar, 4,799,501, Cl. 131-299.000.
  - Lorenzen, Heinz C.; Pinck, Peter; and Lange, Norbert, 4,889,140, Cl. 131-281.000.
  - Lorenzen, Heinz-Christen, 4,856,539, Cl. 131-290.000.
  - Lorenzen, Heinz-Christen; Heitmann, Uwe; and Siems, Wolfgang, 4,865,054, Cl. 131-280.000.
  - Mushardt, Heinrich; and Plahn, Dieter, 4,809,465, Cl. 51-168.000.
  - Mushardt, Heinrich, 4,813,187, Cl. 51-281.00R.
  - Mushardt, Heinrich; Uhlig, Uwe; and Bleich, Ralf, 4,827,583, Cl. 29-33.00R.
  - Pawelko, Karl-Heinz, 4,860,623, Cl. 83-346.000.
  - Pinck, Peter; Lorenzen, Heinz-Christen; Heitmann, Uwe; and Siems, Wolfgang, 4,878,506, Cl. 131-84.400.
  - Radzio, Andrzej; and Siems, Wolfgang, 4,805,641, Cl. 131-280.000.
  - Schumacher, Peter, 4,827,948, Cl. 131-282.000.
  - Siems, Wolfgang, 4,848,369, Cl. 131-84.400.
  - Siems, Wolfgang, 4,875,494, Cl. 131-84.100.
  - Von Wichert, Nils; Knabe, Michael; and Schwenke, Dieter, 4,814,072, Cl. 209-535.000.
  - Wendt, Ulrich, 4,806,175, Cl. 148-16.500.
- Korber, Jurgen; Arold, Klaus; and Bossenmaier. Alban, to Daimler-Benz Aktiengesellschaft. Fastening means for a gas cushion unit in a motor car. 4,834,421, 5-30-89, Cl. 280-732.000.
- Korber, Jurgen: *See—*
  - Bruhnke, Ulrich; Korber, Jurgen; and Jobmann, Ingo, 4,838,599, Cl. 296-37.900.
  - Bruhnke, Ulrich; Korber, Jurgen; Fischer, Helmut; Jobmann, Ingo; Feichtiger, Dieter; Deischl, Hans; Weikert, Gunther; Schumacher, Josef; and Claor, Klaus, 4,848,509, Cl. 180-287.000.
  - Trube, Hans; Korber, Jurgen; and Duenas, Santiago, 4,886,311, Cl. 296-37.120.
- Korbonits, Dezso, Minker, Emil; Vargai, Zoltan; Heja. Gergely; Kovacs. Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin, Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, to Chinoin Gyogyszer Es Vegyeszeti Termekek Gyara Rt. Oxadiazole-alkyl-purine derivatives useful as antitussive agents. 4,840,949, 6-20-89, Cl. 514-234.200.
- Korchinski, Vernard S.; and Paul, Korchinski N. Somatic support system. 4,800,599, 1-31-89, Cl. 5-68.000.
- Korchnak, Joseph D.: *See—*
  - Dunster, Michael; Korchnak, Joseph D.; and Marten, Jerome H., 4,865,820, Cl. 422-220.000.
- Korcz, William H., to Shell Oil Company. Auto sealing pressure container. 4,854,110, 8-8-89, Cl. 53-452.000.
- Korda, Edward S. Paint can holder for hollow rung ladders. 4,824,060, 4-25-89, Cl. 248-210.000.
- Kordak, Rolf, to Mannesmann Rexroth GmbH. Hydraulical drive system. 4,819,429, 4-11-89, Cl. 60-414.000.
- Kordel, Jan: *See—*
  - Leonov, Mark; and Kordel, Jan, 4,878,376, Cl. 73-40.000.
- Kordomenos, Panagiotis I.; and Dervan, Andrew H., to Du Pont de Nemours, E. I., and Company. Coating composition of a hydroxy group-containing urethane polyester with polymerized lactone monomers. 4,824,917, 4-25-89, Cl. 525-440.000
- Kordomenos, Panagiotis I.; Dervan, Andrew H.; and Semanision, Tab, to Du Pont de Nemours, E. I., and Company. Hydroxy group-containing modified polyester with polymerized lactone monomers. 4,833,216, 5-23-89, Cl. 525-440.000.
- Kordomenos, Panagiotis I., to Du Pont de Nemours, E. I., and Company. Hydroxy-functional epoxy ester resin and hydroxy-reactive crosslinking agent. 4,870,141, 9-26-89, Cl. 525-514.000.
- Kordomenos, Panagiotis I.: *See—*
  - Dervan, Andrew H.; and Kordomenos, Panagiotis I., 4,804,718, Cl. 525-418.000.
  - Dervan, Andrew H.; and Kordomenos, Panagiotis I., 4,812,535, Cl. 525-450.000.
  - Dervan, Andrew H.; and Kordomenos, Panagiotis I., 4,816,528, Cl. 525-438.000.
- Kordon, Moon J. Surface effect ship. 4,836,121, 6-6-89, Cl. 114-67.00A.
- Kordts, Jurgen; and Martens, Gerhard, to U.S. Philips Corporation. Method of determining measuring data on an optical transmission path by means of optical sensor. 4,850,698, 7-25-89, Cl. 356-434.000.
- Kordts, Jurgen; Orlowski, Reiner U.; Gorlt, Ingobert H.; and Martens, Gerhard, to U.S. Philips Corporation. Method of transmitting a group at least two measured values through an optical transmission path. 4,864,648, 9-5-89, Cl. 455-608.000.
- Kordts, Jurgen; Gensel, Joachim W. P.; and Martens, Gerhard, to U.S. Philips Corporation. Device for transmitting measurement values of a sensor. 4,866,436, 9-12-89, Cl. 340-870.280.
- Korea Advanced Energy Reasearch Institute: *See—*
  - Yoon, Myongwhan; Whang, Seongtae; Chang, Insoon; and Han, Pilsoon, 4,871,518, Cl. 423-11.000.
- Korea Advanced Institute of Science and Technology: *See—*
  - Chang, Moon H.; Kim, Bong J.; Kim, Sung K.; and Kim, Woan J., 4,835,267, Cl. 540-226.000.
  - Choi, Ju; and Lee, Chong K., 4,810,466, Cl. 420-448.000.
  - Choi, Sam Kwon, 4,827,007, Cl. 556-444.000.
  - Ihm, Sun K.; and Lee, Dong K., 4,839,329, Cl. 502-339.000.
  - Im, Ho-Bin; and Park, Kyu-Charn, 4,828,875, Cl. 427-74.000.
  - Jung, Il Nam; Hwang, Sang Yo; and Lee, Chung Suk, 4,873,011, Cl. 252-75.000.
  - Kim, In O.; and Lee, Sang G., 4,873,363, Cl. 568-319.000.
  - Kim, Kwang-Ung; Kim, Byoung-Chul; and Hong, Soon-Man, 4,886,837, Cl. 521-85.000.
  - Kim, Young-Gil; and Han, Jae-Kwang, 4,847,046, Cl. 420-76.000
- Korea Crown Co., Ltd.: *See—*
  - Eun, Un K., 4,813,866, Cl. 431-344.000.
- Korea Institute of Machinery & Metals: *See—*
  - Jeon, Eijin; Lee, Wooil; Yoon, Kwangjun; and Kim, Taewook, 4,831,881, Cl. 73-768.000.
- Korea Measures Co., Ltd.: *See—*
  - Kang, Dong M., 4,856,726, Cl. 242-84.800.
- Korea Research Institute of Chemical Technology: *See—*
  - Hwang, Ki J.; Gong, Yeong D.; and Kim, Gil H., 4,822,779, Cl. 514-94.000.
- Korechika, Masako, to NEC Corporation. Counter circuit provided with means for reading out counted data by read-command signal applied asynchronously with clock signals to be counted. 4,881,248, 11-14-89, Cl. 377-17.000.
- Koreeda, Hiroyuki: *See—*
  - Nonaka, Naomichi; Nakane, Keiichi; Kuwabara, Tadashi; Koreeda, Hiroyuki; Suzuki, Kazunari; and Masuda. Kiyoshi, 4,829,468, Cl. 364-900.000.
- Koreeda, Shuichi, to NEC Corporation. Waveguide band-pass filter. 4,849,724, 7-18-89, Cl. 333-212.000.
- Koren, Gad: *See—*
  - Apschel, Morris; Egitto, Frank D.; Horwath. Ronald S.; and Koren, Gad, 4,869,777, Cl. 156-626.000.
- Koren, Izchak; Gates, Robert J.; and Smith, Craig J. Actuating device and key. 4,860,562, 8-29-89, Cl. 70-352.000.
- Korenberg, Jacob, to Donlee Technologies, Inc. Jet burner and vaporizer method and apparatus. 4,830,604, 5-16-89, Cl. 431-158.000.
- Korenberg, Jacob, to Donlee Technologies, Inc. Cyclone combustion apparatus. 4,860,695, 8-29-89, Cl. 122-136.00R.
- Korenberg, Jacob, to Donlee Technologies, Inc. Swirl combustion apparatus. 4,879,959, 11-14-89, Cl. 110-264.000
- Korenkiewicz, Stephen M.; Olson, Kurt G.; Boberski, William G.; Das, Suryya K.; Greer, S. Thomas; and Zaleski, Raymond E., to PPG Industries, Inc. Multilayered finish having good stain resistance. 4,844,952, 7-4-89, Cl. 427-258.000.
- Korenstein, Ralph: *See—*
  - Hoke, William E.; Specht, Lindley T.; and Korenstein, Ralph, 4,886,683, Cl. 427-252.000.
- Koreski, Martin J. Anchor device for holding hoses against retracting slidable movement. 4,799,641, 1-24-89, Cl. 248-68.100.
- Korevaar, Eric J.; and Spivey, Brett. Three dimensional display apparatus. 4,881,068, 11-14-89, Cl. 340-766.000.
- Korf, Alfred W. Reversible one-way disk plow. 4,869,327, 9-26-89, Cl. 172-211.000.
- Korf, Dieter; and Seibel, Eberhard, to Walter Sarstedt Kunststoff-Spritzgusswerk. Blood collecting vessel. 4,805,635, 2-21-89, Cl. 128-763.000.
- Korf Engineering GmbH: *See—*
  - Hauk, Rolf; Papst, Gero; Langner, Klaus; Nagl, Michael; Kepplinger, Werner; and Seirlehner, Leopold, 4,805,880, Cl. 266-87.000
  - Hauk, Rolf, 4,806,154, Cl. 75-10.190.
  - Hauk, Rolf; Lang, Peter; and Papst, Gero, 4,846,449, Cl. 266-172.000.
  - Hauk, Rolf, 4,854,967, Cl. 75-34.000.
  - Hauk, Rolf; and Papst, Gero, 4,857,105, Cl. 75-38.000.
  - Hauk, Rolf, 4,857,284, Cl. 423-231.000.
  - Langner, Klaus, 4,804,319, Cl. 425-79.000.
  - Papst, Gero; and Hauk, Rolf, 4,851,039, Cl. 75-10.150.
  - Papst, Gero; and Nagl, Michael, 4,874,037, Cl. 165-47.000.
  - von Bogdandy, Ludwig; Kepplinger, Werner; Stift, Kurt; Papst, Gero, and Hauk, Rolf, 4,861,369, Cl. 75-38.000.
  - Vuletic, Bogdan. 4,850,574, Cl. 266-146.000.
- Korfanta, Craig M. Golf club measuring and fitting apparatus. 4,885,847, 12-12-89, Cl. 33-508.000.

- Korhonen, Heikki: *See—*
  - Niemi, Jouko; Pyoria, Kaarlo; and Korhonen, Heikki, 4,811,907, Cl. 241-5.000.
- Korhonen, Ilkka O.: *See—*
  - Santamaki, Harry J.; Korhonen, Ilkka O.; and Haikonen, Pentti O., 4,855,825, Cl. 358-135.000.
- Korhonen, Kaarlo: *See—*
  - Aalto, Erkki; Korhonen, Kaarlo; Pekkinen, Jorma; Sundberg, Esa; Tolmunen, Arvi; Vartiainen, Seppo; and Villikka, Reijo, 4,811,724, Cl. 126-299.00D.
- Kori, Yasuo, to Aisin Seiki Kabushiki Kaisha. Automatic clutch control apparatus. 4,804,074, 2-14-89, Cl. 192-0.044.
- Korin, Amos, to W. R. Grace & Co.-Conn. Drainage disc for membrane assembly. 4,869,821, 9-26-89, Cl. 210-321.640.
- Korinek, Richard J.: *See—*
  - Anderson, Arthur L.; Bailey, Douglas S.; and Korinek, Richard J., 4,797,621, Cl. 324-533.000.
- Korinsky, George K.: *See—*
  - Bhowal, Prabir R.; Becker, James R.; Korinsky, George K.; and Bhathena, Noshir M., 4,843,856, Cl. 72-41.000.
- Korkia, Edwin O. Waste reclamation furnace. 4,817,539, 4-4-89, Cl. 110-243.000.
- Korkowski, James F.: *See—*
  - Anderson, David L.; and Korkowski, James F., 4,832,178, Cl. 198-461.000.
- Korman, Charles S.: *See—*
  - Baliga, Bantval J.; and Korman, Charles S. 4,890,143, Cl. 357-23.400.
- Kormendi, Kalman; Lampart, Dieter; Mannherz, Fritz; and Scheurenbrand, Dieter, to Schmalbach-Lubeca AG. Plastic fuel tank. 4,852,758, 8-1-89, Cl. 220-20.500.
- Kormoczy, Peter: *See—*
  - Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.
- Kormos, Vladimir: *See—*
  - Banai, Endre; Bacsinsky, Tibor; Kormos, Vladimir; and Molnar, Jozsef, 4,842,920, Cl. 428-184.000.
- Korn, Darryl K.: *See—*
  - Nay, Daniel L.; Korn, Darryl K.; and Ralph, John T., 4,878,197, Cl. 364-900.000.
- Korn, Yoram: *See—*
  - Dyke, Harry J.; and Korn, Yoram, 4,881,225, Cl. 370-95.100.
- Kornacker, Karl; and Monroe, Marvin E., to Quintron, Inc. Differential diagnosis of sensory abnormalities using a normalized, ratiometric analysis of steady state evoked potentials. 4,832,480, 5-23-89, Cl. 351-246.000.
- Kornaker, Walter; and Ruopp, Horst, to Graetz, Nokia. Color picture tube with support means for suspending the mask. 4,884,005, 11-28-89, Cl. 313-404.000.
- Kornblit, Avinoam: *See—*
  - Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.
- Kornblum, Saul S.: *See—*
  - Feltz, Dennis R.; Kornblum, Saul S.; and Stoopak, Samuel B., 4,871,546, Cl. 424-482.000.
- Kornbrekke, Henning N.; and Ranaudo, Anthony R., to Stanley Works, The. Sliding door threshold sensor. 4,823,010, 4-18-89, Cl. 250-341.000.
- Kornecki, Tadeusz: *See—*
  - Peterson, Donald L.; and Kornecki, Tadeusz, 4,860,529, Cl. 56-330.000.
- Kornell, Thomas J.: *See—*
  - Hardy, Richard; Hardy, Jonathan; Kornell, Thomas J.; and Tallquist, Kenneth M., 4,802,639, Cl. 244-2.000.
- Kornely, Michael, to Grumman Aerospace Corporation. Self balancing electric hoist. 4,807,767, 2-28-89, Cl. 212-159.000.
- Korner, Lucy. Book. 4,828,289, 5-9-89, Cl. 281-15.100.
- Kornev, Evgeny A.: *See—*
  - Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasiinikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A., 4,817,120, Cl. 378-45.000.
- Kornfeld, Gertrude H., to United States of America, Army. Method for simulating an image by correllation. 4,873,657, 10-10-89, Cl. 364-578.000.
- Korngold, Gary P.: *See—*
  - Borig, Donald A.; Harris, Godfrey; and Korngold, Gary P., 4,881,532, Cl. 128-80.00A.
- Kornhauser, Murray. Explosion preventing impact shield. 4,833,967, 5-30-89, Cl. 89-34.000.
- Kornher, John S.; and Livak, Kenneth J., to Du Pont de Nemours, E. I., and Company. Differentiation of nucleic acid segments on the basis of nucleotide differences. 4,879,214, 11-7-89, Cl. 08-10/89.000.
- Korniliev, Gennady A.: *See—*
  - Antipov, Georgy A.; Gelfand, Mikhail L.; Goldshtein, Boris G.; Korniliev, Gennady A.; Lavnikov, Nikolai S.; Tsipenjuk, Yakov I.; and Yakubovsky, Petr S., 4,811,797, Cl. 173-93.600.
- Korniski, Ronald J.: *See—*
  - Hilbert, Robert S.; and Korniski, Ronald J., 4,844,601, Cl. 350-456.000.
  - Hilbert, Robert S.; and Korniski, Ronald J., 4,878,744, Cl. 350-447.000.
- Korniski, Thomas J.: *See—*
  - Butler, James W.; Maker, Paul D.; Korniski, Thomas J.; and Colvin, Alex D., 4,801,805, Cl. 250-343.000.
- Kornitzky, Michael A.; and Dublinski, Alexander C., to United Technologies Corporation. Molding apparatus for composite materials. 4,836,765, 6-6-89, Cl. 425-388.000.
- Kornmayer, Ewald: *See—*
  - Sengupta, Pritimay; and Kornmayer, Ewald, 4,807,454, Cl. 70-277.000.
- Kornrumpf, William P.; and Harnden, John D., Jr., to Pacific Bell. Piezoelectic relay module to be utilized in an appliance or the like. 4,819,126, 4-4-89, Cl. 361-207.000.
- Kornrumpf, William P., to General Electric Company. Piezoelectric relay switching matrix. 4,868,448, 9-19-89, Cl. 310-331.000.
- Korobko, Vladlen V.: *See—*
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobko, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,796,956, Cl. 299-69.000.
- Korobkov, Vladeen V.: *See—*
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladeen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,819,542, Cl. 91-172.000.
- Korobkov, Vladlen V.: *See—*
  - Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,884,642, Cl. 173-139.000.
- Korobkova, Ljudmila S., administrator: *See—*
  - Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
- Korody, Mark A., to Allied-Signal Inc. Disc brake lining wear sensor. 4,850,454, 7-25-89, Cl. 188-1.110.
- Koroku, Shuichiro: *See—*
  - Kawase, Tsunezo; Koroku, Shuichiro; and Okada, Kunio, 4,856,490, Cl. 125-21.000.
- Korol, Bernard; and Nathan, Paul, to Enquay Pharmaceutical Associates. Anti-microbial sensitivity test and testing stratum. 4,820,292, 4-11-89, Cl. 435-32.000.
- Korol, Bernard; and Nathan, Paul, to Enquay Pharmaceutical Associates. Synthetic resin matrix system incorporating healing enhancer. 4,857,334, 8-15-89, Cl. 424-445.000.
- Koromilas, Constantinos A., to General Motors Corporation. Positive displacement rotary mechanism. 4,841,930, 6-27-89, Cl. 123-246.000.
- Koromilas, Constantinos A., to General Motors Corporation. Positive displacement rotary mechanism. 4,860,705, 8-29-89, Cl. 123-246.000.
- Koromilas, Constantinos A., to General Motors Corporation. Positive displacement rotary mechanism. 4,877,385, 10-31-89, Cl. 418-197.000.
- Koromzay, Tibor, to BBC Brown Boveri AG. Method for lengthening the blading aerofoil of turbo machinery blades. 4,841,117, 6-20-89, Cl. 219-76.100.
- Korona, Stanley J.; and Korona, Sue M. Auxiliary wheel assembly. 4,822,070, 4-18-89. Cl. 280-47.200.
- Korona, Sue M.: *See—*
  - Korona, Stanley J.; and Korona, Sue M., 4,822,070, Cl. 280-47.200.
- Koropp, Norbert, to U.S. Philips Corporation. Examination apparatus with mass balancing for a part thereof which is pivotable about an axis. 4,856,413, 8-15-89, Cl. 91-454.000.
- Koropp, Norbert, to U.S. Philips Corporation. X-ray apparatus with a movable part. 4,868,845, 9-19-89, Cl. 378-204.000.
- Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., to Biogal Gyogyszergyar. 1-(4-Aminophenyl)-4-methyl-7,8-methylenedioxy-3,4-dihydro-5H-2,3-benzodiazepine and acid addition salts thereof same. 4,835,152, 5-30-89, Cl. 514-220.000.
- Korosi, Jeno: *See—*
  - Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,948, Cl. 514-221.000
- Korostenski, Erwin: *See—*
  - Ruf, Max; and Korostenski, Erwin, 4,838,217, Cl. 123-90.600.
- Korotky, Steven K., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Low crosstalk reversed $\Delta\beta$ electrodes for directional coupler switch. 4,865,408, 9-12-89, Cl. 350-96.130.
- Korotky, Steven K.: *See—*
  - Halemane, Thirumala R.; and Korotky, Steven K., 4,877,952, Cl. 250-213.00A.
- Korpan, Brian A. Cooking grid system. 4,885,989, 12-12-89, Cl. 99-450.000.
- Korpela, Heikki; and Ampler, Leif. Method and apparatus for measuring and controlling the volumetric weight of an expanded particulate material. 4,852,028, 7-25-89, Cl. 364-567.000.
- Korpela, Jaakko, to Proxy Oy. Collapsible cabinet. 4,854,654, 8-8-89, Cl. 312-265.100.

Korpela, Matti, to Valmet Oy. Floater radiation dryer. 4,854,052, 8-8-89, Cl. 34-68.000.

Korpela, Susan L.: *See—*

  Zimmerman, Patrick G.; Johnson, Gordon G.; Korpela, Susan L.; and Vernon, Caroline L., 4,818,610, Cl. 428-345.000.

Korpi, David M., to Sierra Instruments, Inc. Wide-range, adjustable flowmeter. 4,800,754, 1-31-89, Cl. 73-202.000.

Korpi, James E., to Tandem Computers Incorporated. SCSI converter. 4,864,291, 9-5-89, Cl. 340-825.500.

Korpi, James E.: *See—*

  Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.

Korpics, Charles J., to Acme Resin Corporation. Process for removing flow-restricting materials from wells. 4,848,470, 7-18-89, Cl. 166-312.000.

Korpman, Ralf, to Personal Products Company. Closure system for resealably attaching a tape tab to a fabric surface. 4,813,947, 3-21-89, Cl. 604-387.000.

Korpman, Ralf, to Personal Products Company. Corrugated disposable diaper. 4,886,511, 12-12-89, Cl. 604-365.000.

Korry Electronics Company: *See—*

  Nelson, Leonard Y.; Green, John R.; and Wong, Carol W., 4,878,722, Cl. 350-96.200.

Korsen, Vilie K.: *See—*

  Radik, Tynu A.; Sjugis, Anatol J.; Pungas, Toom A.; and Korsen, Vilie K., 4,888,530, Cl. 318-254.000.

Korsgaard, Vagn, to V.I.K.-Consult ApS. Underroof. 4,843,774, 7-4-89, Cl. 52-408.000.

Korshunova, Nadezhda K.: *See—*

  Fedorov, Svyatoslav N.; Krutov, Sergei V.; Soloviev, Sergei A.; Alexandrova, Olga G.; and Korshunova, Nadezhda K., 4,799,478, Cl. 128-303.100.

Korski, Henryk; and Korski, Jerzy, to Rotowash Scandinavia. Apparatus for wet cleaning a floor or wall surface. 4,845,794, 7-11-89, Cl. 15-51.000.

Korski, Jerzy: *See—*

  Korski, Henryk; and Korski, Jerzy, 4,845,794, Cl. 15-51.000.

Korsmeier, Wilhelm; Wolf, Dieter; and Vissel, Friedrich, to Ruhrgas Aktiengesellschaft. Device for controlling the flow rate of a fuel gas/air mixture and/or the ratio between fuel gas and air in a fuel gas/air mixture. 4,802,142, 1-31-89, Cl. 366-160.000.

Korsmeyer, Richard W.: *See—*

  Berens, Alan R.; Huvard, Gary S.; and Korsmeyer, Richard W., 4,820,752, Cl. 523-340.000.

Korsunsky, Iosif; and Foreman, Gerald L., to AMP Incorporated. Insertion tool. 4,827,607, 5-9-89, Cl. 29-741.000.

Korsunsky, Iosif; Bateman, Steven P.; and Schroepfer, Richard C., to AMP Incorporated. Extraction tool. 4,858,309, 8-22-89, Cl. 29-764.000.

Korsunsky, Iosif; Walker, Kevin E.; and Brown, Robert W., to AMP Incorporated. Retention means for chip carrier sockets. 4,872,845, 10-10-89, Cl. 439-70.000.

Korsunsky, Iosif; Foreman, Gerald L.; and Bateman, Steven P., to AMP Incorporated. Insertion/extraction tool. 4,873,761, 10-17-89, Cl. 29-741.000.

Korsunsky, Iosif: *See—*

  Grabbe, Dimitry G.; and Korsunsky, Iosif, 4,810,616, Cl. 430-269.000.

  Grabbe, Dimitry G.; and Korsunsky, Iosif, 4,832,612, Cl. 439-71.000.

  Grabbe, Dimitry G.; and Korsunsky, Iosif, 4,880,386, Cl. 439-68.000.

Kortbeek, Andras G. T. G.: *See—*

  van den Berg, Johannes P.; Grandvallet, Pierre; and Kortbeek, Andras G. T. G., 4,835,335, Cl. 585-312.000.

Korte, Don W., Jr.: *See—*

  Canfield, Craig J.; Heiffer, Melvin H.; and Korte, Don W., Jr., 4,808,598, Cl. 514-312.000.

Korte, Friedrich W. A. G. K.: *See—*

  Coulston, Frederick; and Korte, Friedrich W. A. G. K., 4,869,896, Cl. 424-45.000.

Korte, Heinrich. Package. 4,880,114, 11-14-89, Cl. 206-418.000.

Korte-Jensen, Uta: *See—*

  Gehring, Reinhold; Korte-Jensen, Uta; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,863,937, Cl. 514-333.000.

Korte, Richard: *See—*

  Beutin, Ulrich; Korte, Richard; and Wehr, Jurgen, 4,869,480, Cl. 267-273.000.

Korte, Siegfried: *See—*

  Lindner, Christian; Dickone, Karlfried; Suling, Carlhans; Korte, Siegfried; and Podszun, Wolfgang, 4,871,850, Cl. 544-256.000.

Kortec AG: *See—*

  Weber, Ralph, 4,852,858, Cl. 266-175.000.

  Weber, Ralph G.; and Wells, William, 4,881,972, Cl. 75-93.00G.

Kortegaard, Per, to A/S Modulex. Coupling plate having a plurality of electric coupling points, a method of producing such a plate and a use of the coupling plate as a planning board. 4,820,171, 4-11-89, Cl. 439-75.000.

Kortegaard, Per, to A/S Modulex. Identification circuit. 4,827,257, 5-2-89, Cl. 340-825.650.

Kortenbach Verwaltungs-und Beteiligungsgesellschaft mbH & Co.: *See—*

  Seidel, Joachim; and Stiller, Klaus, 4,800,909, Cl. 135-16.000.

Kortenbrede, Ludger, to Aug. Winkhaus GmbH & Co. KG. Cable lock. 4,831,849, 5-23-89, Cl. 70-49.000.

Kortenbrede, Ludger, to Aug. Winkhaus GmbH & Co. KG. Shackle lock. 4,881,387, 11-21-89, Cl. 70-39.000.

Kortenbusch, Michael; and Osenberg, Kurt A., to Siemag Transplan GmbH. Method of and equipment for hydraulic forwarding of solids over long distances and/or to different heights; in particular in undergound mineshafts. 4,824,294, 4-25-89, Cl. 406-93.000.

Korth, Hans E., to International Business Machines Corporation. Read/write head for optical disks. 4,866,694, 9-12-89, Cl. 369-110.000.

Korthaus, Ernst. Reciprocating pump. 4,818,192, 4-4-89, Cl. 417-372.000.

Korthaus, Ernst. Selfpriming centrifugal pump. 4,844,687, 7-4-89, Cl. 415-56.100.

Korthaus, Helmut: *See—*

  Wilke, Richard; and Korthaus, Helmut, 4,805,740, Cl. 188-173.000.

Kortmann, Wilfried; von Bonin, Wulf; and Reich, Friedrich, to Bayer Aktiengesellschaft. Hydrophobic and oleophobic finishes. 4,833,188, 5-23-89, Cl. 524-217.000.

Kortright, Kenneth H.; Malinconico, Scott M.; and Smith, R. Graham, to Coulter Corporation. Chemical blocking agent against non-specific binding or staining of an antibody specific for terminal deoxynucleotidyl transferase in biological specimens during immunoassay. 4,818,686, 4-4-89, Cl. 435-7.000.

Kortright, Kenneth H.; Hofheinz, David E.; and Toedter, Gary P., to Coulter Corporation. Monoclonal antibody specific to a common determinant site of neutrophils and eosinophils. 4,865,971, 9-12-89, Cl. 435-7.000.

Kortright, Kenneth H.; Hofheinz, David E.; Allman, David M.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., to Coulter Corporation. Simultaneous enzyme immunoassay for detecting antigen and/or antibody in humans. 4,870,003, 9-26-89, Cl. 435-5.000.

Kortright, Kenneth H.; Hofheinz, David E.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., to Coulter Corporation. Enzyme immunoassay for detecting HIV antigens in human sera. 4,886,742, 12-12-89, Cl. 435-5.000.

Kortright, Kenneth H.; Hofheinz, David E.; Sullivan, Carole; and Toedter, Gary P., to Coulter Corporation. Monoclonal antibody specific to HIV antigens. 4,888,290, 12-19-89, Cl. 435-240.270.

Kortum, Inc.: *See—*

  Kortum, William M., 4,857,049, Cl. 604-54.000.

Kortum, William M., to Kortum, Inc. Method and apparatus for inducing immunological and resistant response in mammary glands. 4,857,049, 8-15-89, Cl. 604-54.000.

Korwin-Pawlowski, Michael, to General Instrument Corp. Square body leadless electrical device. 4,829,406, 5-9-89, Cl. 357-72.000.

Korzenecki, Paul, to Mac Engineering & Equipment Company, Inc. Vacuum operated transfer machine. 4,883,164, 11-28-89, Cl. 198-468.400.

Korzenowski, James P.: *See—*

  Lewis, Richard D.; Korzenowski, James P.; and DeHemmer, Larry J., 4,887,639, Cl. 137-505.410.

Kos, Peter. Dental flosser and dental floss. 4,827,952, 5-9-89, Cl. 132-323.000.

Kos, Robert D., to Fluoroware, Inc. Robotic accessible wafer shipper assembly. 4,817,795, 4-4-89, Cl. 206-328.000.

Kos, Robert D., to Fluoroware, Inc. Robotic accessible wafer shipper assembly. 4,880,116, 11-14-89, Cl. 206-454.000.

Kosa, Yasunobu; and Komori, Kazuhiro, to Hitachi, Limited. Method of manufacturing semiconductor memory device. 4,818,718, 4-4-89, Cl. 437-52.000.

Kosai, Kenneth, to Santa Barbara Research Center. HgCdTe MIS device having a CdTe heterojunction. 4,885,619, 12-5-89, Cl. 357-24.000.

Kosak, Dietmar: *See—*

  Engel, Georg; and Kosak, Dietmar, 4,860,426, Cl. 29-527.700.

Kosaka, Akihiko, to Araya Industrial Co., Ltd. Method for assembling a wheel for a bicycle. 4,799,304, 1-24-89, Cl. 29-159.020.

Kosaka, Akira; Murao, Sawao; Hirano, Kenichi; Tanaka, Noriaki; and Matsunaga, Kuniyoshi, to Amano Pharmaceutical Co., Ltd. Method for the quantitative determination of physiological components in biological fluids. 4,839,279, 6-13-89, Cl. 435-25.000.

Kosaka, Daisuke: *See—*

  Takahashi, Junichi; Kosaka, Daisuke; Eguchi, Hirotoshi; Matsumoto, Shoji; Akahori, Takashi; Yamazaki, Hiroshi; and Izumi, Kouji, 4,884,051, Cl. 338-4.000.

Kosaka, Katsuji: *See—*

  Kato, Yoji; Minai, Osamu; Tukamoto, Hirosi; Hagiwara, Takashi; and Kosaka, Katsuji, 4,881,018, Cl. 318-9.000.

Kosaka, Kenji; and Yasu, Yoshikazu, to Ikegami Tsushinki Co., Ltd. Sorting machine. 4,836,529, 6-6-89, Cl. 271-296.000.

Kosaka, Kenji; and Suzuki, Akihiro, to Ikegami Tsushinki Co., Ltd. Sorting machine. 4,842,264, 6-27-89, Cl. 271-293.000.

Kosaka, Norifumi; and Kobayashi, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Mechanism for preventing damage to the magnetic head and medium of a magnetic recording/reproducing apparatus during transport. 4,807,071, 2-21-89, Cl. 360-105.000.

Kosaka, Norindo; and Yamaguchi, Chikatoshi, to Kawaguchi, Ltd. System for confirming the release of a molded article in an injection molding apparatus and for determining the quality of the article. 4,841,364, 6-20-89, Cl. 358-101.000.

Kosaka, Takao; Miyauchi, Masahiro; Koike, Naomasa; and Higuchi, Masahiro, to Mitsubishi Paper Mills Limited. Thermosensitive recording materials. 4,889,841, 12-26-89, Cl. 503-209.000.

Kosaka, Takayuki: *See—*

  Suzuyama, Tomio; Kosaka, Takayuki; Hayama, Masaki; and Shirai, Tamotsu, 4,886,316, Cl. 297-284.000.

Kosaku & Co., Ltd.: *See—*

  Fukuoka, Kazuhiro; and Konishi, Haruo, 4,828,657, Cl. 204-44.400.

Kosanda, David E.: *See—*

  Gillan, Robert L.; and Kosanda, David E., 4,827,378, Cl. 361-424.000.

Kosanetzky, Josef-Maria: *See—*

  Harding, Geoffrey; Kosanetzky, Josef-Maria; and Neitzel, Ulrich, 4,850,002, Cl. 378-87.000.

  Harding, Geoffrey; and Kosanetzky, Josef-Maria, 4,887,285, Cl. 378-88.000.

Kosanovich, Nicholas K., to Alco Standrad Corporation. Package for fragile articles. 4,826,012, 5-2-89, Cl. 206-499.000.

Kosar, Kaya A.: *See—*

  Baheti, Ram J.; McGuire, Dennis P.; and Kosar, Kaya A., 4,884,656, Cl. 181-207.000.

Kosarek, Betty E. Stretchable one-piece hood. 4,823,540, 4-25-89, Cl. 54-80.000.

Kosarko, Gerald J.; and Wagner, Rodney D., to Eastman Kodak Company. Low drag stabilizer device for stabilizing the interface between a transducer and a moving medium. 4,833,556, 5-23-89, Cl. 360-102.000.

Kosarko, Gerald J.: *See—*

  Dussinger, Thomas E.; Riley, John M.; and Kosarko, Gerald J., 4,887,176, Cl. 360-105.000.

Kosary, Judit: *See—*

  Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko ; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.

Kosawa, Hiromi: *See—*

  Yamaguchi, Takahiro; Kasahara, Toshiharu; and Kosawa, Hiromi, 4,885,708, Cl. 364-553.000.

Kosc, Wieslaw: *See—*

  Lockard, Walter G.; Boris, Allen J.; and Kosc, Wieslaw, 4,840,390, Cl. 280-250.100.

Koschak, Matthew S.: *See—*

  Langley, William H.; Yeatts, Roy E.; Hein, Carl C., III; and Koschak, Matthew S., 4,807,745, Cl. 206-245.000.

Koschke, Peter: *See—*

  Ullrich, Georg J.; Pomorin, Karl-Heinz; Kronberg, Harald; Bramm, Gunter; Koschke, Peter; Novak, Pavel; and Gaab, Michael R., 4,805,634, Cl. 128-748.000.

Koschlig, Hans-Joachim; Hartmann, Walter; Heumuller, Martin; and Kunkel, Willi, to Dr. C. Otto Feuerfest GmbH. Ceramic honeycombed elongated catalyst carrier and method for production of same. 4,833,115, 5-23-89; Cl. 502-439.000.

Koschlig, Hans-Joachim; and Overkott, Engelbert, to Dr. C. Otto Feuerfest GmbH. Silica brick and process for producing same. 4,866,015, 9-12-89, Cl. 501-123.000.

Koschmieder, Hartmut; and Petri, Werner, to INA Walzlager Schaeffler KG. Novel tensioning device. 4,886,482, 12-12-89, Cl. 474-133.000.

Koschorrek, Max. Method of making webs, mats and the like of reed-like plastic straws for thatched roof. 4,802,941, 2-7-89, Cl. 156-244.180.

Kosciak, Geoffrey F.: *See—*

  Bickford, John H.; Meisterling, Jesse R.; Smith, Milton O.; and Kosciak, Geoffrey F., 4,864,903, Cl. 81-467.000.

Kosco, William C.: *See—*

  Koski, Richard D.; Kosco, William C.; and Dumais, Arthur, 4,839,590, Cl. 324-208.000.

Kose, Junichi; and Seto, Nobuyuki, to Fuji Photo Film Co., Ltd. Circulating liquid flow detecting apparatus in a machine for automatically processing light-sensitive material. 4,841,321, 6-20-89, Cl. 354-324.000.

Kosegawa, Yoshimoto: *See—*

  Narukawa, Akira; and Kosegawa, Yoshimoto, 4,867,258, Cl. 177-116.000.

Koseki, Hiroyuki, to Bridgestone Corporation. Heavy duty low profile pneumatic radial tires. 4,840,213, 6-20-89, Cl. 152-454.000.

Koseki, Junichi: *See—*

  Ave, Yoshiharu; Koseki, Junichi; Iwasaki, Hiroaki; Tomobe, Norio; and Suzuki, Kozo, 4,844,041, Cl. 123-489.000.

Koseki, Kayoko: *See—*

  Abiko, Kenji; Minagawa, Shikoh; Shinohara, Hiroshi; and Koseki, Kayoko, 4,846,168, Cl. 128-203.150.

Koseki, Ryoji, to Amada Engineering & Service Co., Inc. High speed axial flow gas laser generator. 4,823,355, 4-18-89, Cl. 372-58.000.

Koseki, Ryoji, to Amada Engineering Service Co., Inc. Beam monitor for a high-output laser. 4,871,250, 10-3-89, Cl. 356-121.000.

Koseki, Takashi: *See—*

  Shimai, Shunzo; Saito, Yoshio; Ando, Yawara; and Koseki, Takashi, 4,799,601, Cl. 220-21.00R.

Koseki, Toshio: *See—*

  Onodera, Fumio; Uchimi, Hiroshi; and Koseki, Tozhio, 4,883,671, Cl. 425-122.000.

Koseki, Yasuo: *See—*

  Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.

Kosemura, Kinjiro: *See—*

  Yamashita, Yoshimi; Kosemura, Kinjiro; Ishiwari, Hidetoshi; Yamamoto, Sumio; and Kuroda, Shigeru, 4,849,368, Cl. 437-41.000.

Koser, Gerald F.; and Wettach, Richard H., to University of Akron, The. Composition and a process for the preparation of (hydroxy (organosulfonyloxy)iodo)arenes and their use in a regiospecific synthesis of diaryliodonium salts. 4,876,635, 5-2-89, Cl. 260-545.00R.

Koser, James R.: *See—*

  Papa, Ralph A.; and Koser, James R., 4,881,902, Cl. 439-76.000.

Kosfeld, Milton M., to Bristol Compressors, Inc. Refrigerant gas compressor unit. 4,850,816, 7-25-89, Cl. 417-313.000.

Kosha, Hideaki: *See—*

  Hasumi, Kazuo; Watanabe, Hideomi; Okita, Tsutomu; Ryoke, Katsumi; and Kosha, Hideaki, 4,886,703, Cl. 428-323.000.

  Ryoke, Katsumi; Takahashi, Masatoshi; Okutu, Toshimitu; and Kosha, Hideaki, 4,803,121, Cl. 428-329.000.

Koshi, Hiroyuki, to Hitachi, Ltd. Spectrofluorophotometer. 4,798,463, 1-17-89, Cl. 356-318.000.

Koshiba, Kenji: *See—*

  Ogata, Taizo; Takahashi, Toyoharu; and Koshiba, Kenji, 4,878,982, Cl. 156-361.000.

Koshiba, Mitsunobu; Yamada, Keiichi; Harita, Yoshiyuki; Kawamura, Shin'ichi; and Furuto, Yuuji, to Japan Synthetic Rubber Co., Ltd. Reactive ion etching apparatus. 4,886,565, 12-12-89, Cl. 156-345.000.

Koshiba, Nobuharu; Momose, Keigo; and Kayakawa, Hayashi, to Matsushita Electric Industrial Co., Ltd. Chargeable electrochemical device. 4,844,994, 7-4-89, Cl. 429-60.000.

Koshiba, Nobuharu; Ikehata, Toshihiko; and Takata, Kenichi, to Matsushita Electric Industrial Co., Ltd. Lithium secondary battery. 4,874,680, 10-17-89, Cl. 429-197.000.

Koshibe, Minoru: *See—*

  Iwasaki, Kozo; Kuragano, Morimasa; Koshibe, Minoru; Sezaki, Yoshihiro; Yoguchi, Katsuji; and Koyama, Yoshio, 4,879,412, Cl. 562-600.000.

Koshida, Takahisa; Uchimura, Ryoji; and Ogasawara, Takeshi, to Kawasaki Steel Corp. Water-soluble boron containing impurity reduced hexagonally crystalline boron nitride and process for production thereof. 4,853,196, 8-1-89, Cl. 423-290.000.

Koshida, Yoshinori, to Oki Electric Industry Co., Ltd. Method and apparatus for processing embossed card. 4,845,770, 7-4-89, Cl. 382-65.000.

Koshida, Yoshinori; and Tashiro, Akihisa, to Oki Electric Industry Co., Ltd. Rotary actuator. 4,870,335, 9-26-89, Cl. 318-567.000.

Koshida, Yoshinori; Miyake, Isao; Okazaki, Yasuo; Motoi, Nobuhiro; and Nakaya, Mitsuru, to Oki Electric Industry Co., Ltd. Cash dispenser with manifold safe. 4,889,978, 12-26-89, Cl. 235-379.000.

Koshida, Yoshinori: *See—*

  Minematsu, Nobuo; and Koshida, Yoshinori, 4,864,109, Cl. 235-379.000.

Koshidaka, Yukio: *See—*

  Hayashi, Yoshiaki; Itakura, Takeshi; Kato, Toyoji; and Koshidaka, Yukio, 4,877,141, Cl. 215-1.00C.

Koshigoe, Shinpei; and Fujiwara, Takeshi, to Kabushiki Kaisha Toshiba. Electron gun assembly. 4,885,505, 12-5-89, Cl. 315-3.000.

Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; Takehara, Kimio; Matoba, Yuji; and Ishihara, Koji, to NKK Corporation. Method and apparatus for detecting defective portion on inner surface of pipe. 4,872,762, 10-10-89, Cl. 374-5.000.

Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; and Takehara, Kimio, to NKK Corporation. Method for detecting a state of substance existing in pipe. 4,886,370, 12-12-89, Cl. 374-5.000.

Koshiishi, Shinichiro: *See—*

  Sasaki, Saburo; Himuro, Keiji; and Koshiishi, Shinichiro, 4,862,203, Cl. 354-400.000.

Koshiishi, Takaho: *See—*

  Takahashi, Shuichi; and Koshiishi, Takaho, 4,837,812, Cl. 379-98.000.

Koshikawa, Shozo: *See—*

  Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, 4,798,585, Cl. 604-93.000.

Koshikawa, Takao: *See—*

  Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Oka, Hiromu; Ueda, Tsunehiro; Koshikawa, Takao; Kishimoto, Hideaki; and Shimokawa, Fumitaka, 4,806,163, Cl. 106-38.220.

Koshikawa, Takeo: *See—*

  Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.

  Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.

  Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Koshimaru, Shigeru, to NEC Corporation. Semiconductor memory device with flip-flop memory cells which include polycrystalline load resistors. 4,823,179, 4-18-89, Cl. 357-41.000.

Koshimizu, Chishio; Hayakawa, Yasuo; Nonaka, Toshio; and Takeda, Sakae, to Hitachi Construction Machinery Co., Ltd. Ultrasonic inspection apparatus. 4,862,383, 8-29-89, Cl. 364-507.000.

Koshimizu, Kazuhiro: *See—*

  Sugano, Mitugu; Kaneko, Shinichi; Oka, Mitsunori; Nokina, Kimiya; and Koshimizu, Kazuhiro, 4,797,754, Cl. 360-48.000.

Koshimizu, Koichi: *See—*

Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.

Koshimizu, Toshio; and Mihayashi, Keiji, to Fuji Photo Film Co., Ltd. Method for processing silver halide color photographic material. 4,820,623, 4-11-89, Cl. 430-376.000.

Koshimizu, Toshio: *See—*

Ishikawa, Takatoshi; Koshimizu, Toshio; Fujita, Yoshihiro; and Fujimoto, Hiroshi, 4,835,092, Cl. 430-380.000.

Koshimo, Masahiko, to Kabushiki Kaisha Daikin Seisakusho. Stepless speed-change power transmission for vehicle. 4,843,908, 7-4-89, Cl. 74-731.000.

Koshimo, Masahiko, to Kabushiki Kaisha Daikin Seisakusho. Stepless speed-change power transmission for vehicle. 4,876,922, 10-31-89, Cl. 74-731.000.

Koshimura, Katsumi; and Koike, Akio, to Kabushiki Kaisha Seidenko. Flat speaker unit. 4,860,369, 8-22-89, Cl. 381-188.000.

Koshinaka, Osamu; and Suzuki, Yoshikazu, to Maruzen Sewing Machine Co., Ltd. Double purpose looper for overlocking sewing machine. 4,799,439, 1-24-89, Cl. 112-162.000.

Koshinaka, Osamu; Suzuki, Yoshikazu; and Yoneda, Yoshihide, to Maruzen Sewing Machine Co., Ltd. Looper changeover device. 4,799,440, 1-24-89, Cl. 112-162.000.

Koshinaka, Osamu: *See—*

Mikuni, Yoshio; and Koshinaka, Osamu, 4,803,936, Cl. 112-254.000.

Koshino, Nagaaki: *See—*

Utsumi, Kenichi; Yuasa, Tetsuya; Goto, Yasuyuki; Tsugawa, Iwao; and Koshino, Nagaaki, 4,889,746, Cl. 427-162.000

Koshino, Shinji, to Nihon Seimitsu Sokki Co., Ltd. Sphygmomanometer. 4,821,734, 4-18-89, Cl. 128-680.000

Koshio, Chiharu: *See—*

Kuriyama, Kazumi; Takasu, Yutaka; Kono, Shigeru; Koshio, Chiharu; and Nagata, Kazuhiko, 4,850,791, Cl. 414-750.000.

Kuriyama, Kazumi; Kono, Shigeru; Takasu, Yutaka; Koshio, Chiharu; and Nagata, Kazuhiko, 4,865,445, Cl. 356-73.000.

Koshio, Toshiyuki: *See—*

Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.

Koshishiba, Hiroya: *See—*

Fushimi, Satoru; Nakagawa, Yasuo; Kuni, Asahiro; Kubota, Hitoshi; and Koshishiba, Hiroya, 4,814,615, Cl. 250-311.000.

Koshishita, Junji: *See—*

Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364-490.000.

Koshiyama, Ikunori: *See—*

Ariga, Toshiaki; Koshiyama, Ikunori; and Fukushima, Danji, 4,797,421, Cl. 514-844.000.

Koshiyouji, Takashi, to Kabushiki Kaisha Toshiba. Image reading apparatus. 4,879,604, 11-7-89, Cl. 358-474.000.

Koshizawa, Toshifumi, to Isuzu Motors Limited. Brake force retaining control apparatus. 4,821,854, 4-18-89, Cl. 192-0.072.

Koshizawa, Toshifumi, to Isuzu Motors Limited. Electronic automatic gear transmission control apparatus. 4,823,643, 4-25-89, Cl. 74-866.000.

Koshizawa, Toshifumi; and Matsukubo, Yoshihiro, to Isuzu Motors Limited. Control apparatus for maintaining braking force. 4,864,504, 9-5-89, Cl. 364-426.020.

Koshizuka, Atsuo, to Fujitsu Limited. Bipolar-complementary metal oxide semiconductor inverter. 4,882,534, 11-21-89, Cl. 323-351.000.

Koshizuka, Atuo; and Furumochi, Kazuto, to Fujitsu Limited. Semiconductor memory device with reset signal generating circuit. 4,800,552, 1-24-89, Cl. 365-190.000.

Koshizuka, Atuo, to Fujitsu Limited. Transfer circuit for signal lines. 4,876,467, 10-24-89, Cl. 307-570.000.

Koshizuka, Kunihiro; Inaba, Yoshihiro; Abe, Takao; and Maehashi, Tatsuichi, to Konishiroku Photo Industry Co., Ltd. Heat-sensitive transfer recording medium. 4,828,922, 5-9-89, Cl. 428-412.000.

Koshizuka, Kunihiro; and Abe, Takao, to Konica Corporation. Thermal transfer recording medium. 4,840,848, 6-20-89, Cl. 428-413.000.

Koshizuka, Kunihiro; and Abe, Takao, to Konica Corporation. Thermal transfer recording medium. 4,882,218, 11-21-89, Cl. 428-216.000.

Koshizuka, Kunihiro: *See—*

Iwagaki, Masaru; Sasaki, Takashi; Kumamura, Tawara; Ishii, Fumio; and Koshizuka, Kunihiro, 4,840,882, Cl. 430-505.000.

Kosho, Akira; Matsuki, Hideaki; Shiratori, Hidefumi; Sawada, Shosaku; and Kondo, Yoshitaka, to Hitachi Seiki Co., Ltd. NC lathe with robot for automatically exchanging work and chuck claw. 4,821,402, 4-18-89, Cl. 29-568.000.

Koshute, Mark A.: *See—*

Lowery, Michael K.; Keegan, Richard E.; and Koshute, Mark A., 4,847,320, Cl. 524-722.000.

Lowery, Michael K.; Keegan, Richard E.; and Koshute, Mark A., 4,855,352, Cl. 524-728.000.

Koshy, K. Thomas: *See—*

Cazers, Alexander R.; and Koshy, K. Thomas, 4,877,782, Cl. 514-186.000.

Kosi, Ceasar U., to Westinghouse Electric Corp. Radial seal. 4,875,691, 10-24-89, Cl. 277-147.000.

Kosiak, Walter K.: *See—*

Hansen, Mark C.; and Kosiak, Walter K., 4,836,175, Cl. 123-609.000.

Kosiarski, Joseph P.; and Shen, Ming, to Tecknit. Electrical connector. 4,835,060, 5-30-89, Cl. 428-447.000.

Kosich, Milo, to Enforcement Support Incorporated. Computerized telephone monitoring system. 4,815,120, 3-21-89, Cl. 379-34.000.

Kosik, Joseph F., Sr.; and Firestone, Bruce M., to Mt. Holly, Inc. Snow making apparatus and method for making snow. 4,813,598, 3-21-89, Cl. 239-22.000.

Kosikowski, Thomas: *See—*

Haase, Peter; Kosikowski, Thomas; and Steger, Horst, 4,874,479, Cl. 204-27.000.

Mankut, Ludwig; Blaesing, Horst; Kosikowski, Thomas; Meyer, Walter; and Kreisel, Rudolf, 4,828,878, Cl. 427-98.000.

Kosin, John A.; Preston, Barry W.; and Wallace, David N., to J. M. Huber Corporation. Modified synthetic hydrotalcite. 4,883,533, 11-28-89, Cl. 106-18.140.

Kosin, John A.; and Andrews, Claude R., to J.M. Huber Corporation. Process for producing calcium carbonate and products thereof. 4,888,160, 12-19-89, Cl. 423-430.000.

Kosinski, Frederick: *See—*

Arefinejad, Majid; Brothers, Dennis J.; and Kosinski, Frederick, 4,874,205, Cl. 297-379.000.

Kosinski, Slawomir: *See—*

Hammerling, Ulrich; and Kosinski, Slawomir, 4,804,627, Cl. 435-240.210.

Koski, Ilpo, to Rauma-Repola Oy. Dewatering band press side seals. 4,802,955, 2-7-89, Cl. 162-301.000.

Koski, John T. Tool and method for forming panel joints. 4,820,091, 4-11-89, Cl. 409-132.000.

Koski, Richard D.; Kosco, William C.; and Dumais, Arthur, to Magnetek Controls. Piezoelectric actuator for magnetostrictive linear displacement measuring device. 4,839,590, 6-13-89, Cl. 324-208.000.

Koskimies, Salme; and Haimala, Taru, to Neste Oy. Procedure for producing hydroquinone. 4,801,758, 1-31-89, Cl. 568-768.000.

Koskimies, Salme; Rantanen, Leena; Kivi, Jouni; and Halme, Erkki, to Neste Oy. Procedure for manufacturing short-chain linear α-olefines from ethylene. 4,816,610, 3-28-89, Cl. 585-514.000.

Koskinen, Jukka: *See—*

Iiskolan, Eero; and Koskinen, Jukka, 4,829,034, Cl. 302-9.000.

Koskol, Joseph E.; Santucci, Robert J.; and Rosanio, Louis G., Jr., to Du Pont de Nemours, E. I., and Company. Apparatus and process for packaging yarn and product therefrom. 4,863,029, 9-5-89, Cl. 206-393.000.

Kosky, Philip G.; Silva, James M.; and Fyvie, Thomas J., to General Electric Company. Method for making reaction products of phosgene and dihydric phenol with stable suspension of dihydric phenol, alkali metal hydroxide and water. 4,810,813, 3-7-89, Cl. 558-281.000.

Kosky, Philip G.: *See—*

Brunelle, Daniel J.; Shannon, Thomas G.; Kosky, Philip G.; Buckley, Paul W.; and Silva, James M., 4,814,420, Cl. 528-198.000.

Koslar, Manfred; and Hubski, Peter, to Createc Gesellschaft fur Elektrotechnik mbH. Programmable circuit for controlling a liquid crystal display. 4,839,638, 6-13-89, Cl. 340-784.000.

Kosley, Raymond W., Jr., to Hoechst-Roussel Pharmaceuticals Inc. Piperidine intermediates. 4,810,792, 3-7-89, Cl. 546-207.000.

Kosley, Raymond W., Jr.; and Seuring, Bernhard, to Hoechst-Roussel Pharmaceuticals Inc. Ethanobenzazepines. 4,833,244, 5-23-89, Cl. 540-581.000.

Kosley, Raymond W., Jr.; and Cherill, Robert J., to Hoechst-Roussel Pharmaceuticals Inc. Labdanes, pharmaceutical compositions, and their use. 4,851,397, 7-25-89, Cl. 514-63.000.

Kosley, Raymond W., Jr.; and O'Malley, Gerard J., to Hoechst-Roussel Pharmaceuticals Inc. Hydrazinocarbonyloxylabdanes for treating cardiac failure. 4,883,793, 11-28-89, Cl. 514-228.200.

Koslo, Randy J.; and Lukacsko, Alison B., to Bristol-Myers Company. Process and composition for the topical application of alpha$_1$ adrenergic agonist for pilomotor effects. 4,853,216, 8-1-89, Cl. 424-73.000.

Koslosky, Howard E.; Swedowski, John E.; Clarey, Robert J.; Grams, Allan E.; and Navratil, Frank. Power distribution panelboard. 4,870,542, 9-26-89, Cl. 361-355.000.

Koslov, Joshua L.; Isnardi, Michael A.; Flory, Robert E.; and Campbell, Edward R., III, to RCA Licensing Corporation. Widescreen television reception and recording system utilizing conventional equipment. 4,845,562, 7-4-89, Cl. 358-141.000.

Koslow, Evan E.; and Wiggins, James R., to Koslow Technologies Corporation. Thermoelectric cooling device. 4,829,771, 5-16-89, Cl. 62-3.640.

Koslow, Evan E., to Pall Corporation. Entry/exit decontamination system using adsorbent powder. 4,850,380, 7-25-89, Cl. 134-56.00R.

Koslow, Evan E.: *See—*

Jewell, James E.; and Koslow, Evan E., 4,828,698, Cl. 210-266.000.

Koslow, Ralf. Process for detecting a plateable metal in an aqueous fluid. 4,829,007, 5-9-89, Cl. 436-80.000.

Koslow Technologies Corporation: *See—*

Koslow, Evan E.; and Wiggins, James R., 4,829,771, Cl. 62-3.640.

Koslowski, Gunter; and Uttscheid, Georg, to ROFA Rosenheimer Forderanlagen GmbH. Device for the centering of a rail in elevator stations of electric overhead trolley conveyors. 4,876,965, 10-31-89, Cl. 104-127.000.

Kosmahl, Henry G., to United States of America, National Aeronautics and Space Administration. Miniature traveling wave tube and method of making. 4,890,036, 12-26-89, Cl. 315-3.500.

Kosman, Wayne R., to Hughes Aircraft Company. Automated method and system for engaging multiple pursuers with multiple targets. 4,848,208, 7-18-89, Cl. 89-1.110.

Kosmedico Vertrieb Kosmetischer und Medizinischer Lampen GmbH: *See—*

Dubgen, Oswald, 4,851,685, Cl. 250-372.000.

Kosmider, Benedict J.: *See—*

Neuenschwander, Kent W.; Regan, John R.; and Kosmider, Benedict J., 4,863,957, Cl. 514-460.000.

Kosmo, Joseph J.; Tri, Terry O.; Spenny, William E.; and West, Philip R., to United States of America, Administrator, National Aeronautics and Space Administration. Don/Doff support stand for use with rear entry space suits. 4,887,749, 12-19-89, Cl. 223-111.000.

Kosmol, Joachim; and Krummer, Thomas, to Diehl GmbH & Co. Lamp holder for fluorescent lamps. 4,795,357, 1-3-89, Cl. 439-232.000.

Kosmowski, Wojciech, to Dynamotion Corporation. Drilling spindle with pressure foot shutter. 4,813,825, 3-21-89, Cl. 408-98.000.

Kosmowski, Wojciech B.; and Capaldi, Sabatino. Automated workpiece handling system for machine tool. 4,824,310, 4-25-89, Cl. 414-222.000.

Kosmowski, Wojciech B., to Dynamotion Corporation. High speed drilling spindle. 4,869,626, 9-26-89, Cl. 408-129.000.

Kosnosky, Theodore P.: *See—*

Rice, Ronald B.; Lobo, Edward M.; Casanova, Hector A., and Kosnosky, Theodore P., 4,812,941, Cl. 361-15.000.

Koso, Dusan A., to Gerber Scientific, Inc. Elliptical reflector illumination system for inspection of printed wiring boards. 4,801,810, 1-31-89, Cl. 250-572.000.

Koso, Dusan A., to Gerber Scientific Instrument Company, Inc. Pattern-boundary image generation system and method. 4,859,999, 8-22-89, Cl. 340-799.000.

Kosoczky, Ibolya: *See—*

Batori, Sandor; Hajos, Gyorgy; Messmer, Andras; Benko, Pal; Pallos, Laszlo; Petocz, Lujza; Grasser, Katalin; Kosoczky, Ibolya; and Sziri nee Kiszelly, Eniko , 4,871,846, Cl. 544-183.000.

Kosoglad, Leonard W.: *See—*

Tafel, Leonard I.; and Kosoglad, Leonard W., 4,821,973, Cl. 242-57.000.

Kosonocky, Walter F., to General Electric Company. Infra-red charge-coupled device image sensor. 4,866,497, 9-12-89, Cl. 357-24.000.

Kosoris, Barry W. Floating toy. 4,846,751, 7-11-89, Cl. 446-160.000.

Kosova, Ghenz. Vent for use in an orthopedic cast. 4,827,916, 5-9-89, Cl. 128-91.00R.

Kosowsky, Lester H.; Raber, Peter E.; and Horais, Brian J., to United Technologies Corporation. Multi-spectral radome. 4,797,683, 1-10-89, Cl. 343-872.000.

Kosrow, Robert L.; Prochut, Richard; and Adamski, Maximilian, Jr., to Union Special™ Corporation. Sleeve handling device. 4,819,926, 4-11-89, Cl. 270-45.000.

Kosrow, Robert L.: *See—*

Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, 4,800,830, Cl. 112-303.000.

Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, 4,858,546, Cl. 112-286.000.

Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, 4,878,445, Cl. 112-311.000.

Koss, George A.; and Sitzman, Gary W., to Ford Motor Company. Method and apparatus for forming a glass sheet. 4,853,018, 8-1-89, Cl. 65-94.000.

Koss, Walter, to Walter Koss of Industriestrasse. Endotube. 4,825,861, 5-2-89, Cl. 128-207.140.

Kossmehl, Gerhard; Kabbeck-Kupijai, Detlef; and Jonas, Friedrich, to Bayer Aktiengesellschaft. Fusible, electrically conductive TCNQ complexes, methods for their preparation and their application. 4,849,520, 7-18-89, Cl. 546-347.000.

Kossmehl, Gerhard: *See—*

Schafer, Horst; Kossmehl, Gerhard; and Neumann, Walter, 4,853,453, Cl. 528-28.000.

Scheer, Wolfgang; Fuhrmann, Hartmut; Kossmehl, Gerhard; Niemitz, Matthias; and Kabbeck-Kupijai, Detlef, 4,872,962, Cl. 204-224.00R.

Kost, Friedrich; Van Zanten, Anton; Heess, Gerhard; and Kreisselmeier, Gerhard, to Robert Bosch GmbH. Method for adjusting optimal wheel slip. 4,862,368, 8-29-89, Cl. 364-426.020.

Kost, Hans-Richard: *See—*

Fisch, Joachim; Kost, Hans-Richard; Riemann, Manfred; Sonnemann, Jor; and Fisch, Gerda, 4,831,268, Cl. 250-432.00R.

Kostamo, Pentti, to Valmet Oy. Tractor attachment. 4,804,055, 2-14-89, Cl. 180-53.300.

Kostamo, Pentti, to Valmet Oy. Vehicle. 4,805,719, 2-21-89, Cl. 180-242.000.

Kostantelou, Costantina: *See—*

Dokuzovic, Zdravko; Bodor, Zoltan; Lewis, Ramola; and Kostantelou, Costantina, 4,804,543, Cl. 426-3.000.

Dokuzovic, Zdravko; Bodor, Zoltan; Lewis, Ramola; and Kostantelou, Costantina, 4,842,870, Cl. 426-3.000.

Kosteck, Gregory R., to Olin Corporation. Semi-wadcutter bullet and method of manufacturing same. 4,805,536, 2-21-89, Cl. 102-514.000.

Kostelnicek, Richard J.; and Montes, Raul R., to Exxon Production Research Company. Method and apparatus for initiating seismic data storage in an isolated distributed recording system. 4,879,696, 11-7-89, Cl. 367-76.000.

Kostelnicek, Richard J.: *See—*

Montes, Raul R.; and Kostelnicek, Richard J., 4,807,200, Cl. 367-76.000.

Kostelnik, Robert J.: *See—*

Hostetler, Donald E.; Kostelnik, Robert J.; and Shanti In, Zung-Jung, 4,845,178, Cl. 526-153.000.

Koster, Charles H., to Nu-Bore Systems. Method and apparatus for repairing casings and the like. 4,865,127, 9-12-89, Cl. 166-277.000.

Koster, Marinus P.; Bouwens, Henricus J. J.; Van Tartwijk, Anton A. J.; and De Peuter, Willem L. G., to U.S. Philips Corporation. Manipulator with rod mechanism. 4,874,286, 10-17-89, Cl. 414-744.500.

Koster, Marinus P.: *See—*

Kemper, Nicolaas R.; Bouwens, Henricus J. J.; Koster, Marinus P.; and De Peuter, Willem L. G., 4,872,362, Cl. 74-479.000.

Koster, Peter B.; and Crossley, Ian A., to Portacel Limited. Water treatment apparatus. 4,830,743, 5-16-89, Cl. 210-96.100.

Kosters, Peter H., to Dow Chemical Company, The. Heat exchanger. 4,889,182, 12-26-89, Cl. 165-134.100.

Kostic, Nenad M.; and Zhou, Xia-Ying, to Iowa State University Research Foundation, Inc. Thermochromic platinum complexes. 4,857,231, 8-15-89, Cl. 252-408.100.

Kostinko, John A., to J. M. Huber Corporation. Plastic compositions containing small particle size zeolites and mixtures. 4,888,378, 12-19-89, Cl. 524-450.000.

Kostlan, Catherine R.: *See—*

Belliotti, Thomas R.; Connor, David T.; Flynn, Daniel L.; Kostlan, Catherine R.; and Nies, Donald E., 4,877,881, Cl. 548-240.000.

Kostlin, Heiner: *See—*

Auding, Hans; Frank, Gunter; Kostlin, Heiner; and Vitt, Bruno, 4,889,974, Cl. 219-543.000.

Kostol, Carl O.: *See—*

Thomassen, Thomas; Kostol, Carl O.; Zachariansen, Hans; and Stensholt, Erling, 4,828,809, Cl. 423-39.000.

Kostorz, Jan R.: *See—*

Humpert, Jurgen; and Kostorz, Jan R., 4,846,207, Cl. 137-15.000.

Kostoss, Joseph M.; and Rohrs, Frederick T., to General Electric Company. Dynamoelectric machine stator using cylindrical keybar with improved dovetail configuration. 4,837,471, 6-6-89, Cl. 310-258.000.

Kostrewa, Ludwig, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Bucket conveyor, particularly for unloading ships. 4,860,884, 8-29-89, Cl. 198-509.000.

Kostromitin, Valery A.: *See—*

Lutaenko, Vyacheslav F.; Matsievsky, Jury B.; Kostromitin, Valery A.; Abramovich, Grigory M.; and Bogoyavlensky, Igor F., 4,850,876, Cl. 434-265.000.

Kostsevich, Georgy N.: *See—*

Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.

Kostusyk, Joseph L.; and Rizvi, Syed Q. A., to Lubrizol Corporation, The. Methylene linked aromatic pour point depressant. 4,880,553, 11-14-89, Cl. 252-58.000.

Kostyal, Ferenc; Mika, Gyorgy B.; Petruska, Miklos; and Sokorai, Istvan, to Olajipari Fovallalkozo es Tervezo Vallalat. Method and apparatus for reducing evaporation of storage tanks. 4,821,524, 4-18-89, Cl. 62-54.000.

Kostylev, Alexandr D.: *See—*

Terskov, Alexei D.; Plavskikh, Vladimir D.; Kostylev, Alexandr D.; Nazarov, Nikolai G.; Chepurnoi, Nikolai P.; Cherednikov, Evgeny N.; and Karavaev, Andron T., 4,819,741, Cl. 173-91.000.

Kostylkov, Igor G.; Rogachev, Oleg V.; Zhukov, Igor A.; Zhizhin, Vladimir V.; and Soschin, David N., to Nauchno-Proizvodstvennoe Obiedinenie "Tekhenergokhimprom". Process for producing sulphur from calcium sulphate. 4,828,816, 5-9-89, Cl. 423-567.00A.

Kosub, Beate: *See—*

Elger, Walter; Beier, Sybille; Fahnrich, Marianne; Kosub, Beate; Chwalisz, Krzysztof; and Hasan, Syed H., 4,888,331, Cl. 514-170.000.

Kosuge, Hideyoshi, to Kawasaki Jukogyo Kabushiki Kaisha. Lightweight and strong vehicle frame for a four wheeled buggy operated by a seated driver. 4,798,400, 1-17-89, Cl. 280-796.000.

Kosuge, Hideyoshi, to Kawasaki Jukogyo Kabushiki Kaisha. Front body for four wheeled vehicle operated by a driver in sitting posture. 4,832,399, 5-23-89, Cl. 296-194.000.

Kosuge, Hideyoshi, to Kawasaki Jukogyo Kabushiki Kaisha. Guide for hot air from radiator in four wheeled vehicle operated by driver in sitting posture. 4,881,610, 11-21-89, Cl. 180-68.200.

Kosuge, Hiroshi; and Kiriu, Yoshio, to Hitachi, Ltd. Error detection system. 4,888,774, 12-19-89, Cl. 371-38.100.

Kosuge, Maki: *See—*

Kaifu, Katsuaki; Kosuge, Maki; Yamashita, Yoshio; Asano, takateru; and Kobayashi, Kenji, 4,889,795, Cl. 430-326.000.

Kosuge, Satoru: *See—*

Nakamura, Yoshinori; Koga, Kouhei; Kosuge, Satoru; and Fukunishi, Yoshihiro, 4,797,084, Cl. 425-533.000.

Nakamura, Yoshinori; Koga, Kouhei; Kosuge, Satoru; and Fukunishi, Yoshihiro, 4,846,661, Cl. 425-522.000.

Kosuge, Takuo; and Sugiyama, Kiyoshi, to Broadbent, James M.; and Kosuge, Yoshiki. Stabilized mussel extract. 4,801,453, 1-31-89, Cl. 424-95.000.

Kosuge, Tokuo: *See—*

Ishikawa, Tooru; and Kosuge, Tokuo, 4,811,905, Cl. 239-585.000.

Okamoto, Yoshio; Nakamura, Yozo; Uchiyama, Kyoichi; Watanabe, Haruo; Kosuge, Tokuo; Onishi, Akira; Terasaki, Akashi; Ando, Hiroyuki, and Hamashima, Eiji, 4,887,769, Cl. 239-493.000.

Kosuge, Yoshiki: *See—*

Kosuge, Takuo; and Sugiyama, Kiyoshi, 4,801,453, Cl. 424-95.000.

- Kosugi, Akira: *See—*
  - Owada, Susumu; Kamegamori, Masayuki; and Kosugi, Akira, 4,841,330, Cl. 355-245.000.
- Kosugi, Eizi: *See—*
  - Aisa, Junzo; and Kosugi, Eizi, 4,810,148, Cl. 411-383.000.
  - Aisa, Junzo; and Kosugi, Eizi, 4,857,188, Cl. 210-222.000.
- Kosugi, Isao: *See—*
  - Mori, Kei; and Kosugi, Isao, 4,846,554, Cl. 350-252.000.
  - Mori, Kei; and Kosugi, Isao, 4,875,749, Cl. 350-96.180.
- Kosugi, Masao; Suzuki, Akiyoshi; Ina, Hideki; Outsuka, Kazuhito; Ogawa, Shigeki; Totsuka, Masao; and Sakai, Fumio, to Canon Kabushiki Kaisha. Projection exposure apparatus. 4,814,829, 3-21-89, Cl. 355-43.000.
- Kosugi, Masao, to Canon Kabushiki Kaisha. Step and repeat exposure apparatus having improved system for aligning. 4,823,012, 4-18-89, Cl. 250-491.100.
- Kosugi, Masao: *See—*
  - Suzuki, Akiyoshi; Ina, Hideki; and Kosugi, Masao, 4,888,614, Cl. 355-43.000.
  - Takahashi, Kazuo; and Kosugi, Masao, 4,843,563, Cl. 364-490.000.
- Kosugi, Masaru, to Usui Kokusai Sangyo Kabushiki Kaisha. Clamp member with structure for firmly securing piping and wiring. 4,865,279, 9-12-89, Cl. 248-68.100.
- Kosugi, Masayuki, to Director-General of Agency of Industrial Science and Technology. Method of determining three-dimensional tectonic stresses. 4,813,278, 3-21 89, Cl. 73-783.000.
- Kosugi, Mitsuo: *See—*
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
- Kosugi, Seiji; Ando, Norio; and Sagara, Hisao, to Shoketsu Kinzoku Kogyo Kabushiki Kaisha. Coupling for multi-passage tube. 4,796,924, 1-10-89, Cl. 285-39.000.
- Kosugi, Seiji; and Asou, Yoshio, to SMC Corporation. Changeover valve. 4,823,840, 4-25-89, Cl. 137-625.270.
- Kosugi, Shigeru: *See—*
  - Ohshita, Takahiro; Higo, Tsutomu; Kosugi, Shigeru; Inumaru, Naoki; and Kawaguchi, Hajime, 4,823,740, Cl. 122-4.00D.
- Kosugi, Toru; Furukawa, Takahiro; and Miyaou, Hirohisa, to Fujitsu Limited. Bipolar with eight-zeros substitution and bipolar with six-zeros substitution coding circuit. 4,887,083, 12-12-89, Cl. 341-56.000.
- Kosugi, Toru: *See—*
  - Miyaou, Hirohisa; Furukawa, Takahiro; and Kosugi, Toru, 4,841,524, Cl. 370-112.000.
- Kosugi, Yasuhiko: *See—*
  - Kobayashi, Atsushi; Suzuki, Takashi; and Kosugi, Yasuhiko, 4,860,058, Cl. 355-27.000.
- Kosugi, Yasuhiro: *See—*
  - Hatori, Yoshinori; Kato, Yoichi; Ohta, Mutsumi; and Kosugi, Yasuhiro, 4,837,618, Cl. 358-135.000.
- Kosugi, Yoshinobu; and Idota, Tadashi, to Slik Tripod Co., Ltd. Camera supporting device. 4,795,118, 1-3-89, Cl. 248-181.000.
- Kosuzume, Hiroshi: *See—*
  - Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,840,945, Cl. 514-206.000.
  - Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,888,332, Cl. 514-206.000.
- Koswig, Hans-Dieter: *See—*
  - Seeboth, Arno; Gloede, Joerg; Koswig, Hans-Dieter; Ladwig, Horst; Obernik, Hartwin; and Seeboth, Helmuth, 4,842,375, Cl. 350-339.00R.
- Koszyk, Francis J.; Partis, Richard A.; and Mueller, Richard A., to G. D. Searle & Co. Antiviral compounds and use thereof. 4,876,268, 10-24-89, Cl. 514-425.000.
- Kot, Edward J.: *See—*
  - Lindberg, Chris E.; Kot, Edward J.; and Chicoye, Etzer, 4,840,802, Cl. 426-16.000.
- Kota, Toshio, to Komori Printing Machinery Co., Ltd. Varnishing apparatus for printed sheet. 4,815,413, 3-28-89, Cl. 118-46.000.
- Kotabe, Hiroaki: *See—*
  - Shimada, Kazuyuki; Nakajima, Tomohiro; Kotabe, Hiroaki; Yamanobe, Kouji; and Yamazaki, Kozo, 4,853,710, Cl. 346-108.000.
- Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, to Aisin Seiki Kabushiki Kaisha. Pressure sensor. 4,821,011, 4-11-89, Cl. 338-4.000.
- Kotaki, Mitsuko: *See—*
  - Tsuzuki, Takoyoshi; Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, 4,864,273, Cl. 338-174.000.
- Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakanishi, Tsuyoshi, to Horiba, Ltd. Sheet type electrode. 4,816,132, 3-28-89, Cl. 204-408.000.
- Kotani, Haruo, to Horiba Ltd. Reference electrode. 4,857,166, 8-15-89, Cl. 204-435.000.
- Kotani, Haruo; and Tomita, Katsuhiko, to Horiba, Ltd. Methods of measuring ion-concentration and the like and a calibrating sheet as well as a calibrating method of measuring devices used therein. 4,872,956, 10-10-89, Cl. 204-1.00T.
- Kotani, Haruo; and Tomita, Katsuhiko, to Horiba, Ltd. Sheet type electrode for use in the measurement of ion concentrations. 4,872,966, 10-10-89, Cl. 204-414.000.
- Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakanishi, Tsuyoshi, to Horiba, Ltd. Method of manufacturing a thin glass membrane. 4,883,563, 11-28-89, Cl. 156-645.000.
- Kotani, Hideo: *See—*
  - Okamoto, Tatsuo; Kotani, Hideo; Oono, Takio; Watabe, Kiyoto; Kinoshita, Yasushi; and Nishikawa, Yoshikazu, 4,872,050, Cl. 357-71.000.
- Kotani, Hiroshi; and Serizawa, Susumu, to Koyo Seiko Co., Ltd. Universal joint. 4,834,658, 5-30-89, Cl. 439-8.000.
- Kotani, Hitoshi: *See—*
  - McGarrity, Gerard J.; and Kotani, Hitoshi, 4,855,227, Cl. 435-7.000.
- Kotani, Kozo: *See—*
  - Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; Kume, Takanori; Negawa, Hideo; and Ikeda, Tsuneta, 4,826,729, Cl. 428-411.100.
  - Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Nakatsuji, Yoshihiro, 4,828,345, Cl. 350-1.600.
  - Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Kume, Takanori, 4,829,096, Cl. 521-79.000.
- Kotani, Makoto: *See—*
  - Ueno, Tomoyuki; Honda, Tadatoshi; Jimbo, Takashi; Kotani, Makoto; Terada, Kazuhiro; and Kiyono, Shinji, 4,831,158, Cl. 548-508.000.
- Kotani, Matahira; Hayashi, Motohiko; and Ooi, Yoshikatsu, to Sharp Kabushiki Kaisha. Apparatus for setting time information in facsimile system. 4,797,748, 1-10-89, Cl. 358-257.000.
- Kotani, Matahira; Morimoto, Hiroshi; Kawai, Ryoichi; and Shirashi, Kenichi, to Sharp Kabushiki Kaisha. Read/record head in facsimile. 4,809,080, 2-28-89, Cl. 358-256.000.
- Kotani, Matahira; Matsumoto, Masafumi; Kawai, Ryoichi; and Shirashi, Kenichi, to Sharp Kabushiki Kaisha. Reader/recorder assembly in a facsimile system. 4,827,355, 5-2-89, Cl. 358-296.000.
- Kotani, Matahira; Hayashi, Motohiko; and Yamanoue, Masafumi, to Sharp Kabushiki Kaisha. Image processing method. 4,841,374, 6-20-89, Cl. 358-280.000.
- Kotani, Matahira, to Sharp Kabushiki Kaisha. Transmission informing system in facsimile apparatus. 4,847,891, 7-11-89, Cl. 379-88.000.
- Kotani, Matahira: *See—*
  - Shirakoshi, Hiroshi; Kotani, Matahira; Matsumoto, Masafumi; and Morimoto, Hiroshi, 4,839,730, Cl. 358-294.000.
  - Tanaka, Hironori; Matsumoto, Masafumi; and Kotani, Matahira, 4,843,903, Cl. 74-354.000.
  - Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, 4,844,437, Cl. 271-124.000.
  - Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, 4,868,919, Cl. 355-27.000.
- Kotani, Motoharu; Ishikawa, Shinzo; and Sato, Keishi, to Daicel Chemical Industries, Ltd. Deodorant sheet. 4,808,466, 2-28-89, Cl. 428-254.000.
- Kotani, Shou: *See—*
  - Yamamoto, Shinobu; Hoshide, Fumitoshi; Takeuchi, Michikazu; Kotani, Shou; and Yasuda, Sumihiro, 4,874,924, Cl. 219-274.000.
- Kotani, Tomoyuki: *See—*
  - Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,857,396, Cl. 428-315.500.
  - Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,871,784, Cl. 521-138.000.
- Kotani, Toshihiro; and Tada, Kohji, to Sumitomo Electric Industries Ltd. Apparatus for the growth of single crystals. 4,873,062, 10-10-89, Cl. 422-249.000.
- Kotani, Toshihiro: *See—*
  - Kawasaki, Akihisa; Kotani, Toshihiro; Nakai, Ryusuke; Miyazawa, Shintaro; and Hoshikawa, Keigo, 4,863,554, Cl. 156-617.100.
- Kotani, Tsutomu; and Takahashi, Minoru, to TDK Corporation. Displacement sensor. 4,805,633, 2-21-89, Cl. 128-715.000.
- Kotani, Tsutomu: *See—*
  - Fujita, Motoyoshi; Kunuki, Akikazu; Uemura, Noboru; Kotani, Tsutomu; Shunpei, Saeki; and Kawano, Toshiharu, 4,849,843, Cl. 360-128.000.
  - Takahashi, Minoru; and Kotani, Tsutomu, 4,840,183, Cl. 128-715.000.
- Kotani, Yasuo; Yamawaki, Kengi; and Nishida, Minoru, to Nichigo Acetylene Kabushiki Kaisha. High purity acetylene gas. 4,863,493, 9-5-89, Cl. 55-20.000.
- Kotanshi, Yoichi: *See—*
  - Yasuda, Eturo; Matsuoka, Hiroshi; Yoshida, Hiroyuki; Kotanshi, Yoichi; and Sawada, Yasushi, 4,845,399, Cl. 310-366.000.
- Kotas, Antoni: *See—*
  - Jedlinski, Zbigniew; and Kotas, Antoni, 4,833,215, Cl. 525-437.000.
- Kotas, Peter: *See—*
  - Beil, Valentine; Kotas, Peter; and Rudz, Douglas, 4,828,120, Cl. 211-88.000.
- Kotch, Robert J., to Reed Tool Company. Seal assembly for rotary drill bits. 4,838,365, 6-13-89, Cl. 175-371.000.
- Kotchick, David M., to Allied-Signal Inc. Fabrication of ceramic trilayers for a monolithic solid oxide fuel cell. 4,816,036, 3-28-89, Cl. 29-623.300.
- Kotecha, Harish N.: *See—*
  - Barber, Jeffrey R.; Kotecha, Harish N.; Meyer, David D.; and Stanasolovich, David, 4,814,290, Cl. 437-70.000.
  - Bertin, Claude L.; and Kotecha, Harish N., 4,805,142, Cl. 365-100.000.
- Kotecki, Ireneusz J.; and Patocki, Slawomir, to Trio Engineering Inc. Multi-bulb light source. 4,821,154, 4-11-89, Cl. 362-20.000.
- Kotecki, Mariusz B.; and Thommes, James M., to Cyclomatic Industries, Inc. System for supplying power to different cutting torches. 4,839,499, 6-13-89, Cl. 219-121.390.
- Kotegawa, Katsumi; and Kanehira, Makoto, to Tsubakimoto Chain Co. Roller chain. 4,795,408, 1-3-89, Cl. 474-209.000.

- Koten, Shouichi, to Techonoplas, Inc. Compression molding method. 4,863,651, 9-5-89, Cl. 264-40.500.
- Kotera, Hiroaki: *See—*
  - Tsuda, Yukifumi; Kotera, Hiroaki; and Fumoto, Teruo, 4,814,867, Cl. 358-80.000.
- Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, to Canon Kabushiki Kaisha. Image processing system. 4,878,250, 10-31-89, Cl. 382-56.000.
- Kotera, Masahide: *See—*
  - Satomura, Seiichiro; and Kotera, Masahide, 4,837,450, Cl. 250-571.000.
- Kotera, Masayuki, to Seikow Chemical Engineering & Machinery, Ltd. Magnet pump. 4,812,108, 3-14-89, Cl. 417-368.000.
- Kotera, Masayuki, to Seikow Chemical Engineering & Machinery, Ltd. Inner magnet rotor for magnet pump. 4,837,472, 6-6-89, Cl. 310-156.000.
- Kotera, Masayuki, to Seikow Chemical Engineering & Machinery, Ltd. Corrosion-resistant magnet pump. 4,850,818, 7-25-89, Cl. 417-366.000.
- Kotera, Noboru; Eguchi, Shusaku; and Miura, Norio, to Kasei Optonix Ltd. Method for obtaining a radiation image. 4,889,996, 12-26-89, Cl. 250-484.100.
- Kotera, Noboru: *See—*
  - Shimizu, Etsuo; Kotera, Noboru; Onogi, Shinichi; and Hitomi, Teiichi, 4,839,243, Cl. 428-690.000.
- Kotera, Nobukazu: *See—*
  - Yatsuka, Takeshi; Kotera, Nobukazu; and Mizumura, Yutaka, 4,842,942, Cl. 428-425.900.
- Kotera, Nobuo; Yamashita, Kiichi; Kinoshita, Taizo; Tanaka, Hirotoshi; Tanaka, Satoshi; and Nagata, Minoru, to Hitachi, Ltd. Threshold voltage fluctuation compensation circuit for FETS. 4,857,769, 8-15-89, Cl. 307-450.000.
- Kotera, Nobuo: *See—*
  - Kinoshita, Taizo; Tanaka, Satoshi; Tanaka, Hirotoshi; Kotera, Nobuo; and Nagata, Minoru, 4,881,044, Cl. 330-253.000.
  - Tanaka, Hirotoshi; Tanaka, Satoshi; Kinoshita, Taizo; Kotera, Nobuo; and Nagata, Minoru, 4,825,145, Cl. 323-315.000.
  - Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, 4,847,550, Cl. 323-313.000.
- Kotera, Satoshi: *See—*
  - Nishihara, Yoshio; Isobe, Noriyuki; and Kotera, Satoshi, 4,808,659, Cl. 524-701.000.
- Koterazawa, Toshiyuki: *See—*
  - Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
  - Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.
  - Marumoto, Katsuji; Ohmae, Tsutomu; Koterazawa, Toshiyuki; and Tobari, Kazuaki, 4,869,334, Cl. 180-79.100.
- Kothe, Dieter; Krueger, Bernhard; Lohse, Dietmar; Moellers, Gerd; Pleschiutschnigg, Fritz; Reichelt, Wolfgang; Vos-Spilker, Peter; and Wagener, Elmar, to Mannesmann AG. Continuous casting of thin slab ingots. 4,830,087, 5-16-89, Cl. 164-460.000.
- Kothe, Lutz. Medical instrument. 4,881,550, 11-21-89, Cl. 128-752.000.
- Kothe, Norbert: *See—*
  - Rudnick, Dieter; Kothe, Norbert; Dichtelmuller, Herbert; Piechaczek, Detlef; Stephan, Wolfgang; and Schleussner, Hans, 4,877,866, Cl. 530-387.000.
- Kothmann, Richard E.: *See—*
  - Rauch, Gary C.; and Kothmann, Richard E., 4,832,763, Cl. 148-121.000.
- Koths, Kirston E.: *See—*
  - Shadle, Paula J.; Koths, Kirston E.; Moreland, Margaret; and Katre, Nandini, 4,847,325, Cl. 525-54.100.
  - Stevens, Paul; Houston, L. L.; Koths, Kirston E.; Issell, Brian; and Zimmerman, Robert, 4,863,726, Cl. 424-85.200.
- Kotikovsky, Alexander P.; and Tait, Robert E., to TRW Vehicle Safety Systems Inc. Tongue assembly. 4,878,272, 11-7-89, Cl. 24-196.000.
- Kotil, Elwood: *See—*
  - LaMontagne, Brad; Kotil, Elwood; and Collins, Bob, 4,827,864, Cl. 114-343.000.
- Kotilainen, Risto M.; and Lilius, Kaj R., to Suomen Calcusan Oy-Finska Calcussan AB. Mouthwash solution. 4,885,156, 12-5-89, Cl. 424-54.000.
- Kotkata, Nabil; Blondiau, Mark D.; and Rulke, Gerhart, to Inventio AG. Automatic shutoff apparatus for an escalator. 4,863,006, 9-5-89, Cl. 198-323.000.
- Kotlarek, Peter A.; and Riffe, Delmar R., to American Standard Inc. Scroll compressor with axially balanced shaft. 4,867,657, 9-19-89, Cl. 418-55.000.
- Kotlarek, Peter A.: *See—*
  - Eber, David H.; Kotlarek, Peter A.; and Okoren, Ronald W., 4,820,130, Cl. 417-32.000.
- Kotler, Daniel, to Duragrid, Inc. Modular protective surfacing member. 4,860,510, 8-29-89, Cl. 52-177.000.
- Kotliar, Abraham M.; Sacks, William; Sibilia, John P.; and Kumar, Rakesh, to Ausimont, U.S.A., Inc. Matrix-matrix polyblend adhesives and method of bonding incompatible polymers. 4,886,689, 12-12-89, Cl. 428-35.700.
- Kotlyar, Oleg: *See—*
  - Brimhall, Owen D.; Peterson, Stephen C.; Kotlyar, Oleg; and Ghosh Roy, Dilip N., 4,874,358, Cl. 494-37.000.
- Kotmans, Hendrik J.: *See—*
  - Sommen, Petrus C. W.; Claasen, Theodoor A. C. M.; Van Gerwen, Petrus J.; and Kotmans, Hendrik J., 4,807,173, Cl. 364-724.180.
- Kotnour, Thomas A.; Barber, Ronald L.; and Krueger, Walter L., to Minnesota Mining and Manufacturing Company. Acrylate pressure-sensitive adhesives containing insolubles. 4,843,134, 6-27-89, Cl. 526-318.400.
- Koto Electronics Co. Ltd.: *See—*
  - Tateno, Kunio; and Shimotori, Yoshio, 4,836,352, Cl. 194-215.000.
- Koto, Haruhiko; Okada, Junichi; Ishii, Hiroshi; and Sawada, Kenji, to Epson Corporation. Ink jet printer of the ink-on-demand type. 4,806,955, 2-21-89, Cl. 346-140.00R.
- Koto, Shingo, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for cancelling leakage magnetic field. 4,806,894, 2-21-89, Cl. 335-214.000.
- Kotobuki & Co., Ltd.: *See—*
  - Kageyama, Hidehei; Mitsuya, Yoshihide; and Kobayashi, Saburo, 4,836,703, Cl. 401-65.000.
  - Kageyama, Hidehei; Mitsuya, Yoshihide; and Nakazato, Yoichi, 4,872,776, Cl. 401-65.000.
  - Kageyama, Hidehei; Mitsuya, Yoshihide; and Nakazato, Yoichi, 4,884,910, Cl. 401-65.000.
  - Kageyama, Shuhei; Yamamoto, Tadashi; and Ebinuma, Tadayoshi, 4,856,693, Cl. 226-127.000.
  - Yamamoto, Ken; and Kageyam, Shuhei, 4,795,073, Cl. 227-120.000.
- Kotobuki Eng. & Mfg., Co., Ltd.: *See—*
  - Inkyo, Mitsugi; Tahara, Takashi; and Kitada, Yasutaka, 4,834,301, Cl. 241-33.000.
- Kotobuki Seiyaku Company Limited: *See—*
  - Tomiyama, Tsuyoshi; Tomiyama, Akira; and Kubota, Koichi, 4,797,415, Cl. 514-469.000.
- Kotowicz, Aleksander: *See—*
  - Kinzler, Hans; and Kotowicz, Aleksander, 4,888,970, Cl. 70-456.00R.
- Kotraba, Norman L.: *See—*
  - Bishop, Norman G.; Bottinelli, N. Edward; and Kotraba, Norman L., 4,836,847, Cl. 75-25.000.
- Kotrappa, Payasada: *See—*
  - Dempsey, John C.; and Kotrappa, Payasada, 4,814,608, Cl. 250-253.000.
  - Dempsey, John C.; and Kotrappa, Payasada, 4,853,536, Cl. 250-253.000.
- Kotraro, Reuven: *See—*
  - Linder, Charles; Nemas, Mara; Perry, Mordechai; and Kotraro, Reuven, 4,833,014, Cl. 428-308.400.
  - Perry, Mordechai; Kotraro, Reuven; Linder, Charles; and Aviv, Gershon, 4,889,636, Cl. 210-651.000.
- Kotrba, Zdenek; Jaros, Frantisek; Burysek, Frantisek; Kubovy, Miloslav; Hejduk, Jiri; and Bures, Pavel, to Vyzkumny ustav bavlnarsky. Fiber separating device. 4,852,340, 8-1-89, Cl. 57-301.000.
- Kotsch, Heinz: *See—*
  - Husslein, Julius; Wittauer, Gunther; and Kotsch, Heinz, 4,843,218, Cl. 219-468.000.
- Kotter, Clemens: *See—*
  - Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; Rees, Richard; and Kotter, Clemens, 4,859,231, Cl. 71-93.000.
- Kotter, Michael: *See—*
  - Riekert, Lothar; Kotter, Michael; and Weyland, Friedrich, 4,867,953, Cl. 423-239.000.
- Kotterer, Werner J., to Grafotec Kotterer GmbH. A stop motion device for a web feed printing press. 4,887,532, 12-19-89, Cl. 101-225.000.
- Kottgen, Eckart U.: *See—*
  - Fabricius, Hans-Ake; and Kottgen, Eckart U., 4,808,533, Cl. 435-240.200.
- Kotthaus, Erich, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Method of grinding the teeth of bevel gears having longitudinally curved teeth. 4,799,337, 1-24-89, Cl. 51-287.000.
- Kotting, Fritz; and Barwasser, Gunter, to Wernicke & Co. GmbH. Machine for grinding the edges of lenses. 4,837,978, 6-13-89, Cl. 51-101.0LG.
- Kotting, Fritz, to Wernicke & Co. GmbH. Device for disengaging a suction mechanism from a lens. 4,841,677, 6-27-89, Cl. 51-216.0LP.
- Kotting, Fritz, to Wernicke & Co. GmbH. Lens holder for an apparatus for grinding the edges of a lens. 4,870,785, 10-3-89, Cl. 51-217.00L.
- Kottke, Gene R. Folding camper for pick-up trucks. 4,807,924, 2-28-89, Cl. 296-164.000.
- Kottmair, Nikolaus: *See—*
  - Bayerlein, Friedrich; Keramaris, Nikolaos; Kottmair, Nikolaus; Kuhn, Manfred; and Maton, Michel M., 4,840,811, Cl. 426-430.000.
- Kottman, Rickie A.; Terrill, Robert E.; and Wise, Ann E., to Texas Instruments Incorporated. Apparatus and method for edge cleaning. 4,838,289, 6-13-89, Cl. 134-153.000.
- Kottmann, Rolf: *See—*
  - Maus, Wolfgang; Kottmann, Rolf; Cyron, Theodor; and Wiercs, Ludwig, 4,824,011, Cl. 228-173.700.
- Kotulla, Gunther: *See—*
  - Sinz, Wolfgang; and Kotulla, Gunther, 4,888,686, Cl. 364-200.000.
- Kotval, Douglas: *See—*
  - Bruns, Robert W.; and Kotval, Douglas, 4,804,971, Cl. 343-840.000.

Kotyk, Wayne M.; Kirk, Thomas G.; Wilson, Robert J.; and Wilson, James N., to Canadian Patents & Development Limited. Unthreshed head grain loss monitor. 4,825,146, 4-25-89, Cl. 324-58.50B.

Kotynski, Robert J.: *See—*

Smedberg, Kenneth L.; Bozich, George J.; and Kotynski, Robert J., 4,796,460, Cl. 72-453.130.

Smedberg, Kenneth L.; Bozich, George J.; and Kotynski, Robert J., 4,825,681, Cl. 72-453.130.

Smedberg, Kenneth L.; Bozich, George J.; and Kotynski, Robert J., 4,860,571, Cl. 72-453.130.

Kotyuk, Kenneth A.: *See—*

Ferchau, Joerg U.; and Kotyuk, Kenneth A., 4,800,463, Cl. 361-424.000.

Kotz, Rudiger; Schuler, Claus; and Stucki, Samuel, to BBC Brown Boveri AG. Method for purifying industrial waste water by direct oxidation of the organic pollutants. 4,839,007, 6-13-89, Cl. 204-149.000.

Kotzab, Werner. Tensioning device for belts and the like, in particular on motor vehicle engines. 4,813,915, 3-21-89, Cl. 474-133.000.

Kotzab, Werner. Tensioning device for belts and the like, in particular on motor vehicle engines. 4,816,011, 3-28-89, Cl. 474-111.000.

Kotzab, Werner; and Zielke, Horst, to Daimler-Benz Aktiengesellschaft. Valve-actuating lever for internal combustion engines. 4,840,150, 6-20-89, Cl. 123-90.390.

Kotzin, Michael D., to Motorola, Inc. Method and apparatus for time companding an analog signal. 4,839 923, 6-13-89, Cl. 381-31.000.

Kotzin, Michael D.; Zdunek, Kenneth J.; and Ziolko, Eric F., to Motorola, Inc. Secure trunked communications system. 4,882,751, 11-21-89, Cl. 380-9.000.

Kotzin, Michael D.: *See—*

van den Heuvel, Anthony P.; Kotzin, Michael D.; and Crisler, Kenneth J., 4,860,312, Cl. 375-26.000.

Kotzsch, Hans-Joachim; Srebny, Hans-Guenther; and Vahlensieck, Hans-Joachim, to Huels Troisdorf Aktiengesellschaft. Method for the preparation of partial esters and ortho esters of titanium, zirconium or hafnium. 4,824,979, 4-25-89, Cl. 556-54.000.

Kotzsch, Thomas: *See—*

Spane, Rainer; and Kotzsch, Thomas, 4,806,169, Cl. 134-3.000.

Kotzur, Frank W.; and Rosenkranz, Thomas H., to Windings, Inc. Feedback circuitry for D.C. motor speed control. 4,851,744, 7-25-89, Cl. 388-815.000.

Kou, Abraham H.; Roehl, Robin L.; and Schroeder, Gerhardt P., to BOC Group, Inc., The. Respiratory therapy apparatus with selective display of parameter set points. 4,867,152, 9-19-89, Cl. 128-204.210.

Kouchi, Takeshi; Kashiwabara, Houichiro; Waki, Osamu; and Ohe, Koji, to Stanley Electric Co., Ltd. Rear combination lamp assembly for vehicles. 4,868,719, 9-19-89, Cl. 362-61.000.

Kouchi, Toshihito: *See—*

Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, 4,795,248, Cl. 351-158.000.

Okada, Takao; Kouchi, Toshihito; Mishima, Shuzo; Ogawa, Haruo; Morita, Seizo; and Mikoshiba, Nobuo, 4,877,957, Cl. 250-306.000.

Kouchiwa, Taira, to Ricoh Company, Ltd. Large aperture lens system for use in a copier. 4,859,044, 8-22-89, Cl. 350-464.000.

Koucky, Antonin: *See—*

Bauer, Heinz; Becker, Burckhard; Frohnhaus, Ernst-Reiner; Gedig, Alfred; Klink, Josef; and Koucky, Antonin, 4,805,481, Cl. 74-528.000.

Fussnegger, Wolfgang; Rieth, Egon; Koucky, Antonin; and Hector, Bernd, 4,842,318, Cl. 296-65.100.

Konzmann, Rainer; Ohlhausen, Otto; Schmitt, Joachim; Koucky, Antonin; and Klink, Josef, 4,886,317, Cl. 297-417.000.

Kouda, Masanori; Sekiguchi, Tomoyoshi; Ikeda, Yukio; Taniguchi, Minoru; Shiraishi, Yasuhiro; and Konishi, Junkichi, to Atsugi Motor Parts Company, Limited; and Nissan Motor Company, Limited. Anti-squat control system for automotive suspension system. 4,826,205, 5-2-89, Cl. 280-703.000.

Kouda, Masanori: *See—*

Konishi, Junkichi; Tsukada, Kenichi; Sekiguchi, Tomoyoshi; Kouda, Masanori; and Suzuki, Minoru, 4,838,563, Cl. 280-840.000.

Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, to Mitsubishi Jukogyo Kabushiki Kaisha. Double reverse revolution propeller apparatus. 4,828,518, 5-9-89, Cl. 440-50.000.

Kouda, Toyomasa, to Hitachi, Ltd. Semiconductor device. 4,803,541, 2-7-89, Cl. 357-68.000.

Kouda, Toyomasa, to Hitachi, Ltd. Forming contacts to semiconductor device. 4,855,257, 8-8-89, Cl. 437-194.000.

Koudo, Toshikazu: *See—*

Tanaka, Shinichi; Koudo, Toshikazu; and Kushisaka, Tohru, 4,852,126, Cl. 375-76.000.

Koudstaal, Willem; Thomas, Alan; and Lewis, Jeffrey L., to Koninklijke Emballage Industrie Van Leer B.V. Container for drink and method of manufacturing the container. 4,806,021, 2-21-89, Cl. 383-40.000.

Kougami, Akihiko: *See—*

Okamoto, Yukio; Shinada, Shinichi; Suzuki, Kenkichi; and Kougami, Akihiko, 4,799,058, Cl. 340-811.000.

Kouge, Katsushige, to Sanshin Kagaku Kogyo Co., Ltd. Active esters used for production of esters or amides and process for producing esters or amides. 4,857,656, 8-15-89, Cl. 558-271.000.

Kouge, Shinichi: *See—*

Morishita, Mitsuharu; and Kouge, Shinichi, 4,[illegible]2,087, Cl. 180-79.100.

Kougo, Nobuhiko: *See—*

Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, 4,879,788, Cl. 26-94.000.

Kouiti, Yabuki: *See—*

Kei, Mori; Mitsuyuki, Kikyo; and Kouiti, Yabuki, 4,889,578, Cl. 156-294.000.

Koujiya, Miyuki: *See—*

Miyamoto, Noritaka; Koujiya, Miyuki; Miyake, Joji; Iomoda, Takashi; Ohsawa, Hidetoshi; and Nagami, Tetsuo, 4,885,213, Cl. 428-612.000.

Koukal, Heinz; Arold, Klaus; and Grimm, Hermann, deceased (by Grimm, Christel, heir), to Daimler-Benz Aktiengesellschaft. Air-conditioning installation for vehicles. 4,795,090, 1-3-89, Cl. 236-49.000.

Koukal, Heinz; and Arold, Klaus, to Daimler-Benz Aktiengesellschaft. Connecting device for connecting Bowden cable control elements and the like. 4,838,110, 6-13-89, Cl. 74-502.600.

Koukal, Heinz; and Merk, Helmut, to Mercedes-Benz AG. Connecting element for connecting a line to a component. 4,865,361, 9-12-89, Cl. 285-197.000.

Kouken Co., Ltd.: *See—*

Matsumoto, Kesafumi, 4,853,621, Cl. 324-158.00R.

Koukol, John L., Jr.: *See—*

Freeman, Mark D.; Koukol, John L., Jr.; Koziol, Stanislaw; and Sgourakes, George E., 4,852,466, Cl. 92-104.000.

Koulos, John P.: *See—*

Rettig, Wolfgang J.; Cordon-Cardo, Carlos; Koulos, John P.; Lewis, John L., Jr.; Oettgen, Herbert F.; and Old, Lloyd J., 4,851,332, Cl. 435-7.000.

Koumoto, Teruo: *See—*

Sato, Susumu; Honda, Haruyoshi; Koumoto, Teruo; Isomae, Kuzuo; Kuraishi, Tadayuki; and Katori, Tatsuhiko, 4,866,176, Cl. 544-262.000.

Koumoto, Yujiro: *See—*

Mizutani, Taketomo; Shiraki, Kenhachi; Hasegawa, Michihiko; Koumoto, Yujiro; Tanimoto, Yoshihiro; Tanaka, Masayuki; Kimoto, Fumizo; and Hamada, Fumihiko, 4,796,052, Cl. 355-7.000.

Koumura, Noboru: *See—*

Ayata, Naoki; Saito, Seiji; Suzuki, Hidetoshi; Ozawa, Kunitaka; and Koumura, Noboru, 4,866,532, Cl. 358-443.000.

Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, 4,796,301, Cl. 455-607.000.

Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, 4,882,776, Cl. 455-617.000.

Koumvakalis, Nicholas: *See—*

Jabr, Salim N.; Hutchings, Thomas J.; and Koumvakalis, Nicholas, 4,837,774, Cl. 372-94.000.

Kounnas, Christopher N., to Brown & Williamson Tobacco Corporation. Cigarette having circumferential grooves in the tobacco rod. 4,825,885, 5-2-89, Cl. 131-365.000.

Kouno, Chikara: *See—*

Uda, Masayuki; Tomioka, Yukio; Kouno, Chikara; Ishida, Hiroshi; and Yamauchi, Yukio, 4,823,368, Cl. 250-372.000.

Kouno, Eiichi: *See—*

Tanaka, Yoshiharu; Kouno, Eiichi; and Iwata, Joji, 4,815,854, Cl. 356-356.000.

Kouno, Katsumi; Okawa, Susumu; Sugaya, Masami; and Soga, Yoshinobu, to Toyota Jidosha Kabushiki Kaisha. Hydraulic control system for continuously variable transmission for automotive vehicle. 4,857,034, 8-15-89, Cl. 474-28.000.

Kouno, Katsumi. Hydraulic control system for continuously variable transmission for automotive vehicle. 4,858,497, 8-22-89, Cl. 74-866.000.

Kouno, Katsumi, to Toyota Jidosha Kabushiki Kaisha. Method of controlling a four wheel drive vehicle. 4,884,653, 12-5-89, Cl. 180-233.000.

Kouno, Katsumi: *See—*

Soga, Yoshinobu; Kouno, Katsumi; Sugaya, Masami; and Okawa, Susumu, 4,867,732, Cl. 474-28.000.

Kouno, Kenzi: *See—*

Masu, Masanobu; Yoshioka, Hiroshi; Kouno, Kenzi; Nomura, Isao; and Yamamiya, Kazuo, 4,877,847, Cl. 525-397.000.

Kouno, Masaaki: *See—*

Sakashita, Kimiaki; Kouno, Masaaki; and Tsukazaki, Hideo, 4,886,533, Cl. 55-498.000.

Kouno, Masahiko: *See—*

Hamasaki, Naotaka; Kawamura, Hirotaka; Ohtsu, Norio; Nakakoshi, Ichiro; Ataka, Kikuo; Oomori, Kiyosi; and Kouno, Masahiko, 4,874,882, Cl. 558-131.000.

Kouno, Masahiro; Mizutani, Kazumi; Osawa, Masanori; Shizuka, Kohei; Toyoda, Toshihiro; and Nakano, Hiromi, to Mitsui Toatsu Chemicals, Incorporated. Catalytic preparation of polyamide or polyamide-polymide with N,N'-dimethyl alkylene urea solvent. 4,795,795, 1-3-89, Cl. 528-53.000.

Kouno, Shinichi: *See—*

Fujioka, Yoshiki; and Kouno, Shinichi, 4,800,327, Cl. 318-798.000.

Kouno, Shunzo: *See—*

Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.

Kouno, Yasushi, to Yazaki Corporation. Method of applying gel coating to plant seeds. 4,808,430, 2-28-89, Cl. 427-4.000.

Koupal, Lawrence: *See—*

Huang, Leeyuan; Koupal, Lawrence; Dunn, Joseph, Jr.; Liesch, Jerrold M.; Hensens, Otto; and Woodruff, H. Boyd, 4,874,745, Cl. 514-18.000.

Koura, Seigo: *See—*

Someya, Shinzo; Koura, Seigo; Ito, Mikio; Nakanishi, Akira; and Nonaka, Yuji, 4,841,035, Cl. 546-270.000.

Kourai, Hiroki; and Yabuhara, Yoshio, to Otsuka Kagaku Kabushiki Kaisha. Antibacterial polymer. 4,826,924, 5-2-89, Cl. 525-331.300.

Kourai, Hiroki; and Yabuhara, Yoshio, to Otsuka Kagaku Kabushiki Kaisha. Antibacterial polymer. 4,843,130, 6-27-89, Cl. 525-331.300.

Kouri, Richard E.: *See—*

Hurd, Stanley M.; and Kouri, Richard E., 4,795,541, Cl. 204-299.00R.

Hurd, Stanley M.; and Kouri, Richard E., 4,812,216, Cl. 204-182.800.

Hurd, Stanley M.; and Kouri, Richard E., 4,818,360, Cl. 204-299.00R.

Kourida, Kazuhiko: *See—*

Kokubo, Ichiro; Kourida, Kazuhiko; Hashimoto, Shunichi; Mimura, Kazuhiro; and Shibata, Zenichi, 4,880,480, Cl. 148-320.000.

Kouriki, Katsuo: *See—*

Aihara, Katsuzo; Hara, Nobuhiro; Tada, Naofumi; Ogihara, Masahiro; Kouriki, Katsuo; and Suzuki, Yasuo, 4,870,379, Cl. 505-1.000.

Kourogi, Isao; Masuda, Keiichi; Hirooka, Masami; Tomiyama, Yoshio; Yoshiuchi, Kazunori; and Gokenya, Takashi, to Kubota Ltd. Device for attaching front loader to tractor. 4,802,814, 2-7-89, Cl. 414-686.000.

Kourtides, Demetrius A.: *See—*

Mikroyannidis, John A.; and Kourtides, Demetrius A., 4,864,050, Cl. 558-190.000.

Mikroyannidis, John A.; and Kourtides, Demetrius A., 4,886,896, Cl. 558-193.000.

Koury, Daniel N., to Motorola Inc. Process for fabricating complimentary semiconductor devices having pedestal structures. 4,876,212, 10-24-89, Cl. 437-34.000.

Koury, Pamela M.: *See—*

Caldwell, Edward D.; and Koury, Pamela M., 4,842,439, Cl. 403-290.000.

Kousa, Paavo T., to Octel Communications Corp. Voice network security system. 4,797,672, 1-10-89, Cl. 340-825.300.

Kousa, Paavo T., to Octel Communications Corporation. Telephone line quality testing system. 4,807,274, 2-21-89, Cl. 379-6.000.

Kousai, Tadashi; Moriuchi, Yousuke; and Ishida, Toshinobu, to Terumo Kabushiki Kaisha. Molding a guiding tube for medical instruments. 4,830,805, 5-16-89, Cl. 264-209.800.

Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, Yousuke, to Terumo Kabushiki Kaisha. Medical tool introduction cannula and method of manufacturing the same. 4,874,374, 10-17-89, Cl. 604-164.000.

Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, Yousuke, to Terumo Kabushiki Kaisha. Medical tool introduction cannula and method of manufacturing the same. 4,883,468, 11-28-89, Cl. 604-164.000.

Kousaka, Akira: *See—*

Kinuno, Masanori; Saito, Hisao; Kousaka, Akira; and Kawaguchi, Toshio, 4,855,645, Cl. 315-39.710.

Kousaka, Fumio: *See—*

Okina, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranishi, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, 4,871,612, Cl. 428-269.000.

Kousaka, Kunimitsu; and Gotoh, Kunihiko, to Fujitsu Limited. Input circuit having level shift. 4,808,852, 2-28-89, Cl. 307-451.000.

Kousaka, Kunimitsu; Gotoh, Kunihiko; and Kobayashi, Osamu, to Fujitsu Limited. Comparator circuit having improved output characteristics. 4,835,417, 5-30-89, Cl. 307-362.000.

Kousaka, Tomomi: *See—*

Okada, Eiichi; Ozawa, Akira; Kousaka, Tomomi; and Ohba, Hirokazu, 4,888,865, Cl. 29-568.000.

Ozawa, Akira; Kousaka, Tomomi; Suzuki, Hideo; and Murakami, Masatoshi, 4,884,332, Cl. 29-568.000.

Koutsoukos, Elias P., to TRW Inc. Carbonaceous material for production of hydrogen from low heating value fuel gases. 4,873,214, 10-10-89, Cl. 502-185.000.

Koutsoupidis, Theodore. Peristrophic internal combustion engine assembly and multi-part pistons. 4,807,577, 2-28-89, Cl. 123-193.00P.

Koutsoupidis, Theodore. Safety apparatus for tire. 4,854,356, 8-8-89, Cl. 152-158.000.

Kouvelis, Thomas, to Scapillato, James E., a part interest. Quick-change adapter and tools for use with the adapter. 4,818,157, 4-4-89, Cl. 408-240.000.

Kouwenhoven, Herman W.: *See—*

Schaper, Hennie; and Kouwenhoven, Herman W., 4,795,726, Cl. 502-26.000.

Kouyama, Masanori: *See—*

Ebata, Yoshihiro; Kouyama, Masanori; Tamari, Nobuyuki; and Kawamoto, Takamichi, 4,857,486, Cl. 501-21.000.

Kouyama, Sinichi: *See—*

Furuhashi, Koshi; Miyazaki, Satoshi; Furuya, Masakazu; Kawatobi, Tatsuo; Kouyama, Sinichi; and Kashio, Jiro, 4,875,208, Cl. 370-94.100.

Kouyama, Toshitaka; Egawa, Harunobu; Iizuka, Yo; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. High-quality polyarylene-thioether fibers and method for production thereof. 4,816,335, 3-28-89, Cl. 428-364.000.

Kouyama, Toshitaka; Katto, Takayuki; Iwasaki, Takao; Iizuka, Yo; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for forming polyarylenethioether stretched blow-molded vessel. 4,863,669, 9-5-89, Cl. 264-532.000.

Kouyama, Toshitaka: *See—*

Kobayashi, Akio; Kouyama, Toshitaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,801,416, Cl. 264-177.100.

Satake, Yoshikatsu; Kashiwadate, Ken; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,826,906, Cl. 524-381.000.

Satake, Yoshikatsu; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,873,283, Cl. 524-520.000.

Shiiki, Zenya; Katto, Takayuki; Iizuka, Yo; Iwasaki, Takao; and Kouyama, Toshitaka, 4,795,671, Cl. 428-209.000.

Kouyama, Toshitake: *See—*

Inoue, Hiroo; Kouyama, Toshitake; and Onosato, Masashi, 4,814,888, Cl. 358-211.000.

Kouyoumdjian, Michel: *See—*

Nove, Marie C.; and Kouyoumdjian, Michel, 4,834,168, Cl. 164-504.000.

Kouza, Yukihiko: *See—*

Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.

Kouzai, Tetsuo: *See—*

Takahama, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,888,936, Cl. 53-510.000.

Takehana, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,840,014, Cl. 53-432.000.

Kouzaki, Masao: *See—*

Kamigaito, Osami; Doi, Haruo; Noda, Shoji; and Kouzaki, Masao, 4,824,262, Cl. 384-42.000.

Kouzuki, Tsuneo: *See—*

Otani, Mitsunobu; Date, Tamotsu; Nagayama, Takashi; and Kouzuki, Tsuneo, 4,869,823, Cl. 210-349.000.

Kovac, Andrew J. Amphibious vehicle. 4,802,433, 2-7-89, Cl. 114-270.000.

Kovac, Caroline A.; Ledermann, Peter G.; and Nguyen, Luu T., to International Business Machines Corporation. Dam for lead encapsulation. 4,881,885, 11-21-89, Cl. 425-121.000.

Kovac, Caroline A.: *See—*

Bickford, Harry R.; Grebe, Kurt R.; Kovac, Caroline A.; and Palmer, Michael J., 4,832,255, Cl. 228-254.000.

Bickford, Harry R.; Bregman, Mark F.; Moskowitz, Paul A.; Palmer, Michael J.; Reiley, Timothy C.; Poore, Paige A.; and Kovac, Caroline A., 4,862,322, Cl. 361-386.000.

Clarke, Thomas C.; Kovac, Caroline A.; Jung, Dae Y.; Park, Jae M.; and Thomas, Richard R., 4,869,930, Cl. 427-252.000.

Kovac, S. Robert: *See—*

Sanderson, Terry L., 4,863,439, Cl. 604-264.000.

Kovacevic, Nebojsa D.: *See—*

Meline, Harry R.; Meyer, Richard A.; and Kovacevic, Nebojsa D., 4,879,906, Cl. 73-826.000.

Kovach, Debra S.: *See—*

Kubek, Daniel J.; and Kovach, Debra S., 4,814,104, Cl. 252-189.000.

Kovach, Ronald J.: *See—*

Krause, Andrew W.; Marianik, Charles G.; and Kovach, Ronald J., 4,795,256, Cl. 356-320.000.

Kovach, Ronald M.: *See—*

Son, Pyong-Nae; Jacobs, Charles P.; Kovach, Ronald M.; and Lai, John T., 4,841,053, Cl. 544-384.000.

Kovacs, Eddie J.; and Pereira, John C., to Grumman Aerospace Corporation. Mass storage bubble memory system. 4,835,739, 5-30-89, Cl. 365-1.000.

Kovacs, Ferenc; Lengyel, Miklosne ; Nagy, Tibor; Antal, Sandor; Gyongyosi, Gyorgy; Palotas, Laszlo; and Pfisztner, Nandor, to Taurus Gumiipari Vallalat. Reinforced flexible hose. 4,860,798, 8-29-89, Cl. 138-133.000.

Kovacs, Gabor: *See—*

Barta, Iren; Fekete, Pal; Pallos, Laszlo; Kovacs, Gabor; and Mahr, Lajos, 4,814,174, Cl. 424-448.000.

Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,803,274, Cl. 546-13.000.

Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,806,645, Cl. 546-13.000.

Hermecz, Istvan; Kereszturi, Geza; Vasvavi, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Szuts, Tamas; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,871,849, Cl. 544-229.000.

Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.

Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.

- Kovacs, Gregory J.: *See—*
  - Tam, Man C.; Bloembergen, Steven; Kovacs, Gregory J.; Jennings, Carol A.; Loutfy, Rafik O.; Gardner, Sandra J.; and Taylor, Michael G., 4,853,307, Cl. 430-41.000.
- Kovacs, Gyula: *See—*
  - Bakay, Arpad; Boda, Janos; Forgo, Laszlo; Papp, Istvan; Kovacs, Gyula; and Laszlo, Karoly, 4,830,102, Cl. 165-151.000.
- Kovacs, Jenoe: *See—*
  - Grau, Werner; Kohl, Albert; Kovacs, Jenoe; Balz, Werner; and Muenzer, Wulf, 4,842,896, Cl. 427-131.000.
- Kovacs, Joseph, to Arcopharma Ltd. Compositions of oats and nettle extracts to be used as a food additive or pharmaceutical preparation in human health care. 4,886,665, 12-12-89, Cl. 424-195.100.
- Kovacs, Kerry; Simpson, William; Burkholder, Amy L.; Messer, Russell K.; and Thomas, Teresa M., to Mead Corporation, The. Microcapsule imaging system having improved dynamic range. 4,840,866, 6-20-89, Cl. 430-138.000.
- Kovacs, Lajos, Jr.: *See—*
  - Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo, 4,859,682, Cl. 514-288.000.
  - Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Bogsch, Erik; Kassai nee Zieger, Anna; Trischler, Ferenc; Szepesi, Gabor; and Gazdag, Maria, 4,816,587, Cl. 544-346.000.
- Kovacs, Laszlo: *See—*
  - Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso; Nemes, Istvan; Botar, Laszlo; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
- Kovacs, Linda A.: *See—*
  - Jabusch, John D.; Kovacs, Linda A.; Plzak, Timothy G.; and Richardson, Robert R., 4,890,253, Cl. 364-736.500.
- Kovacs, Lloyd; and Lind, Matthew R., to Hayssen Manufacturing Company. Forming, filling and sealing bags and depositing them in cartons. 4,815,253, 3-28-89, Cl. 53-436.000.
- Kovacs, Magdolna: *See—*
  - Matolcsy, Gyorgy; Bordas, Barna; Gimesi, Antal; Kovacs, Magdolna; and Tuske, Marton, 4,843,177, Cl. 564-209.000.
- Kovacs, Marta: *See—*
  - Nagy, Gabor; Neumann, Gyorgy; Kovacs, Marta; and Strompl, Andras, 4,877,199, Cl. 242-201.000.
  - Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,868,172, Cl. 514-187.000.
  - Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-187.000.
- Kovacs, Mike. Inertially activated shut-off valve. 4,817,657, 4-4-89, Cl. 137-38.000.
- Kovacs nee Hadady, Katalin: *See—*
  - Kekesi, Sandor; Tamasi, Piroska; Pal, Veronika; Jancso, Sandor; Kristof nee Szvitil, Ilona; Bacsa, Gyorgy; and Kovacs nee Hadady, Katalin, 4,803,069, Cl. 424-74.000.
- Kovacs nee Kalman, Magda: *See—*
  - Matolcsy, Gyorgry; Kerekes, Gyula; Buban, Tamas; Vasarhelyi, Endre; Kovacs nee Kalman, Magda; Belai, Ivan; and Gerlei, Aniko, nee Komaromy, 4,846,883, Cl. 71-106.000.
- Kovacs, Nicolas: *See—*
  - Fortier, Germain; Kovacs, Nicolas; and Laliberte, Jean, 4,810,559, Cl. 428-161.000.
- Kovacs, Richard C.; Krambeck, Frederick J.; and Sarli, Michael S., to Mobil Oil Corporation. Fluid catalytic cracking regeneration with reduction of nitrogen emissions. 4,843,051, 6-27-89, Cl. 502-42.000.
- Kovak, Kenneth W.: *See—*
  - Stuber, Wayne G.; and Kovak, Kenneth W., 4,843,829, Cl. 62-54.200.
- Kovak, Robert; and Wallis, Roland R., Jr., to Foster-Miller Inc. Interpenetrated polymer films. 4,845,150, 7-4-89, Cl. 524-602.000.
- Koval, Vernon E.: *See—*
  - Helm, Charles W.; and Koval, Vernon E., 4,877,092, Cl. 175-74.000.
- Kovalak, Judson L., Jr., to SignComp, Inc. Architectural sign system. 4,802,296, 2-7-89, Cl. 40-607.000.
- Kovalak, Judson L., Jr., to SignComp, Inc. Component sign system. 4,817,317, 4-4-89, Cl. 40-603.000.
- Kovalenko, Igor L.: *See—*
  - Belykh, Sergei I.; Davydov, Anatoly B.; Moschensky, Anatoly D.; Kanshin, Nikolai N.; Kovalenko, Igor L.; Kirillov, Jury B.; Osipov, Gennady I.; and Utyamyshev, Rustam I., 4,875,479, Cl. 128-335.500.
- Kovaleski, Joseph G.; and Arms, Thomas H. Magnetically activated fiber optic switch. 4,796,966, 1-10-89, Cl. 350-96.200.
- Kovalev, Alexei D.: *See—*
  - Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.
- Kovalev, Igor N.: *See—*
  - Tsygankov, Anatoly S.; Kovalev, Igor N.; Voskresensky, Igor V.; Evstafieva, Ellen A.; and Rozhkov, Anatoly I., 4,844,552, Cl. 301-63.0DD.
- Kovalsky, Leonard J.; and Abbondanti, Alberto, to Westinghouse Electric Corp. Current source inverter control system for load commutated induction motor drive. 4,833,389, 5-23-89, Cl. 318-803.000.
- Kovar, Henry C.: *See—*
  - Josten, Marvin H.; Kovar, Henry C.; and Schneider, Kenneth W., 4,803,850, Cl. 62-98.000.
- Kovar, Jay R., to United States of America, Navy. Motion translator. 4,882,970, 11-28-89, Cl. 89-1.550.
- Kovarik, David P.; and Amos, Michael D., to Erico International Corporation. Exothermic welding apparatus and method. 4,879,452, 11-7-89, Cl. 219-130.400.
- Kovarik, David P.: *See—*
  - Amos, Michael D.; Brosnan, Denis A.; Samas, Mark V.; Singer, Richard E.; Whetsel, James E.; and Kovarik, David P., 4,881,677, Cl. 228-33.000.
  - Amos, Michael D.; Kovarik, David P.; and Kub, George F., Jr., 4,885,452, Cl. 219-130.400.
  - Brosnan, Denis A.; Whetsel, James E.; Singer, Richard E.; Samas, Mark V.; Amos, Michael D.; and Kovarik, David P., 4,889,324, Cl. 266-157.000.
- Kovarsky, Alexandr V.: *See—*
  - Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P.; Kovarsky, Alexandr V.; and Egorov, Jury G., 4,805,424, Cl. 66-194.000.
- Kovats, Ferenc: *See—*
  - Szego, Andras; Peterdi, Viktoria; Kovats, Ferenc; Sos, Jozsef; Racz, Istvan; Angyan, Sandor; and Marmarosi nee Kellner, Katalin, 4,826,863, Cl. 514-395.000.
- Kover, Alexander: *See—*
  - Wu, Edwin S.; and Kover, Alexander, 4,889,941, Cl. 549-403.000.
- Kover-up, Inc.: *See—*
  - Evans, John C.; Campbell, Charles E.; and Blair, John E., 4,802,602, Cl. 220-85.00H.
- Koves, William J., to UOP. Apparatus for coke burning in regeneration of hydrocarbon conversion catalyst. 4,880,604, 11-14-89, Cl. 422-220.000.
- Koves, William J.: *See—*
  - Sechrist, Paul A.; and Koves, William J., 4,859,643, Cl. 502-37.000.
- Kovesi, Peter D.: *See—*
  - Trevelyan, James P.; Elford, David; Ong, Michael C. H.; and Kovesi, Peter D., 4,862,759, Cl. 74-417.000.
- Kovis, Michael: *See—*
  - Bunting, Earl L.; and Kovis, Michael, 4,885,795, Cl. 455-5.000.
- Kovitch, Frank J.; Reinhardt, Charles M.; and Sullivan, Paul E., to Lockheed Corporation. All welded sound isolation flexible connection. 4,881,759, 11-21-89, Cl. 285-49.000.
- Kovner, Vladimir: *See—*
  - Bremmer, Robert A.; Kovner, Vladimir; and Stone, Dennis C., 4,799,112, Cl. 360-31.000.
- Kovtun, Valery D.: *See—*
  - Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Skuridin, Vladimir P.; Gorshkov, Nikolai V.; Kovtun, Valery D.; Gapchenko, Leonid M.; and Vozovik, Anton V., 4,811,327, Cl. 369-111.000.
  - Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Anatchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.
- Kowa Company Ltd.: *See—*
  - Aizu, Yoshihisa; Ogino, Kouji; and Sugita, Toshiaki, 4,848,897, Cl. 351-221.000.
  - Arai, Koichi; and Yoshizaki, Hideo, 4,873,222, Cl. 514-21.000.
  - Hirano, Takashi; and Kojima, Atsushi, 4,854,694, Cl. 351-224.000.
  - Ichihashi, Tadashi, 4,832,043, Cl. 128-745.000.
  - Ichihashi, Tadashi; and Kawamura, Masunori, 4,838,683, Cl. 351-221.000.
  - Ichihashi, Tadashi; Kakizawa, Koichiro; and Kawamura, Masunori, 4,854,693, Cl. 351-221.000.
  - Ichihashi, Tadashi; and Kawamura, Masunori, 4,877,321, Cl. 351-214.000.
  - Ishikawa, Muneharu; Akiyama, Kouichi; Ito, Eiichi; Kawamura, Masunori; and Fujita, Akihiro, 4,830,494, Cl. 356-336.000.
  - Kobayashi, Koji, 4,833,528, Cl. 358-53.000.
  - Kobayashi, Koji, 4,835,601, Cl. 358-53.000.
  - Kobayashi, Koji, 4,872,746, Cl. 350-358.000.
  - Kobayashi, Kouji, 4,854,692, Cl. 351-221.000.
  - Komori, Seiichi; and Muramatsu, Toyojiro, 4,844,898, Cl. 424-150.000.
  - Sekine, Kiyoshi; and Ohtani, Akio, 4,806,950, Cl. 346-76.0PH.
  - Shibuya, Kimiyuki; Takahashi, Yoshio; Sato, Seiichi; Shigyo, Hiromichi; Ohta, Tomio; and Uchida, Yasumi, 4,856,822, Cl. 514-357.000.
  - Watanabe, Isamu; Kamiya, Kazuhiro; Torii, Takahiro; and Mori, Toshihito, 4,855,287, Cl. 514-41.000.
- Kowa Display Co., Inc.: *See—*
  - Sudoh, Kunio, 4,836,225, Cl. 131-352.000.
- Kowa Kougyo Co., Ltd.: *See—*
  - Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.
- Kowaguchi, Toru; Kaneko, Tooru; Ide, Jun; and Iizumi, Tomoo, to Alps Electric Co., Ltd. Method for recorrecting head position in a disk drive. 4,860,131, 8-22-89, Cl. 360-78.140.

- Kowaguchi, Toru: *See—*
  - Asano, Isao; Saito, Shoichiro; Kaneko, Tooru; Kowaguchi, Toru; Mitsuishi, Tetsuya; and Yoshida, Hiroshi, 4,819,095, Cl. 360-77.040.
- Kowaka, Masahiko: *See—*
  - Kajiyama, Koichi; Saito, Kaoru; Nozue, Yasuhiro; Ito, Noritoshi; Wakabayashi, Osamu; Fujimoto, Junichi; Kowaka, Masahiko; and Itakura, Yasao, 4,829,536, Cl. 372-57.000.
  - Nozue, Yasuhiro; Kajiyama, Koichi; Saito, Kaoru; Wakabayashi, Osamu; Kowaka, Masahiko; and Itakura, Yasuo, 4,856,018, Cl. 372-98.000.
- Kowal, Henry J.: *See—*
  - Morgante, Michael R.; Guzewich, Greogory J.; Kowal, Henry J.; La Mendola, Christopher; and Stanfield, Randall E., 4,829,917, Cl. 112-80.410.
- Kowal, Krzysztof A.: *See—*
  - Klashka, John A.; Kaufman, Sidney L.; Kowal, Krzysztof A.; Lewis, Richard P.; Raisbeck, Susan L.; and McNamara, John I., Jr., 4,803,623, Cl. 364-200.000.
- Kowalcyk, Robert A. Weight release. 4,856,774, 8-15-89, Cl. 272-123.000.
- Kowalczyk, James E.: *See—*
  - Loomans, Bernard A.; and Kowalczyk, James E., 4,826,323, Cl. 366-85.000.
- Kowalczyk, Ludwik; and Kaetzel, Gilbert C., to Hoffmann-La Roche Inc. Automatic ampule opener. 4,805,821, 2-21-89, Cl. 225-96.500.
- Kowalenko, Wladimir: *See—*
  - Sherman, Victor; Zborovsky, Ilya; Sanchez, William; and Kowalenko, Wladimir, 4,852,545, Cl. 126-39.00H.
- Kowaleski, John A., Jr.: *See—*
  - Wolrich, Gilbert M.; McLellan, Edward J.; Yodlowski, Robert A. J.; Badeau, Roy W.; and Kowaleski, John A., Jr., 4,811,272, Cl. 364-788.000.
- Kowalewski, Ryszard J. Tracheal tube inflator. 4,856,510, 8-15-89, Cl. 128-207.150.
- Kowalics, Raymond P.; and Sidoti, Kenneth C., to Meyer Company, The. Cooking apparatus for fluid container. 4,803,920, 2-14-89, Cl. 99-348.000.
- Kowalics, Raymond P.; Sidoti, Kenneth C.; and Beery, Richard L., to Meyer Company, The. Cooking apparatus for fluid container. 4,817,510, 4-4-89, Cl. 99-331.000.
- Kowalik, James J.; and Majeed, Kamal N., to General Motors Corporation. Vehicle air suspension system with accurate side to side leveling. 4,829,436, 5-9-89, Cl. 364-424.050.
- Kowalik, Joseph T.: *See—*
  - Richardson, Thomas L.; Grabel, Vernon; and Kowalik, Joseph T., 4,855,940, Cl. 364-526.000.
- Kowalik, Matthew F.; and Rempala, Chester S., to A. B. Dick Company. Dampening and bridging apparatus for a duplicating machine. 4,821,641, 4-18-89, Cl. 101-148.000.
- Kowalkowski, James T.: *See—*
  - Brubaker, Weldon L.; Gierut, Frederick J.; Kowalkowski, James T.; and Liburdi, Francesco, 4,857,019, Cl. 439-751.000.
- Kowalski, Alexander; and Vogel, Martin, to Rohm & Haas Company. Multi-stage opacifying polymer particles containing non-polymeric acid absorbed therein. 4,880,842, 11-14-89, Cl. 521-64.000.
- Kowalski, Carl R.: *See—*
  - Knutti, James W.; Allen, Henry V.; Petersen, Kurt E.; and Kowalski, Carl R., 4,861,420, Cl. 156-633.000.
- Kowalski, Charles I.: *See—*
  - Nemeth, Joseph; and Kowalski, Charles I., 4,887,795, Cl. 252-511.000.
- Kowalski, Daniel C.; and Bloomberg, Dan S., to Xerox Corporation. Data detection and optical focus error detection system for rotating optical media. 4,801,794, 1-31-89, Cl. 250-201.000.
- Kowalski, Daniel C.: *See—*
  - Connell, G. A. Neville; and Kowalski, Daniel C., 4,796,964, Cl. 350-6.800.
- Kowalski, Frank V., to Colorado School of Mines. Method and apparatus for generating ultra-short pulses with a frequency shifter in a cavity. 4,827,480, 5-2-89, Cl. 372-28.000.
- Kowalski, Jacek, to SGS-Thomson Microelectronics, S.A. Device to detect the depassivation of an integrated circuit. 4,868,489, 9-19-89, Cl. 324-61.00P.
- Kowalski, Jacek, to SGS-Thomson Microelectronics S.A. Read circuit for reading the state of memory cells. 4,881,199, 11-14-89, Cl. 365-189.010.
- Kowalski, Jacek: *See—*
  - Tailliet, Francois; and Kowalski, Jacek, 4,890,187, Cl. 361-111.000.
- Kowalski, Jacek A., to SGS-Thomson Microelectronics S.A. Integrated circuit with memory comprising a fraud-prevention device. 4,827,450, 5-2-89, Cl. 365-185.000.
- Kowalski, Joseph L.: *See—*
  - D'Avello, Robert F.; Tobolski, Francis P., Jr.; and Kowalski, Joseph L., 4,860,341, Cl. 379-91.000.
- Kowalski, Werner: *See—*
  - Klee, Helmut; Haas, Hans; Kowalski, Werner; and Dahmen, Theo, 4,800,055, Cl. 264-118.000.
- Kowalski, Wolfgang: *See—*
  - Kammerling, Bruno; Rosker, Werner; Scholz, Eckhard-Karl; and Kowalski, Wolfgang, 4,828,228, Cl. 266-142.000.
- Kowalski, Zygmunt: *See—*
  - Osteryoung, Janet G.; and Kowalski, Zygmunt, 4,846,955, Cl. 204-413.000.
- Kowarik, Oskar: *See—*
  - Hoffmann, Kurt; Kraus, Rainer; and Kowarik, Oskar, 4,855,621, Cl. 371-20.000.
  - Hoffmann, Kurt; Oberle, Hans-Dieter; Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, 4,885,748, Cl. 371-21.300.
  - Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, 4,803,386, Cl. 307-530.000.
- Kowarsch, Heinrich: *See—*
  - Radtke, Volker; Kowarsch, Heinrich; and Hahn, Erwin, 4,861,898, Cl. 548-402.000.
- Kowarski, Szloma: *See—*
  - Schachter, David; Kowarski, Szloma; Cowen, Lisa A.; and Abbott, Richard E., 4,840,894, Cl. 435-7.000.
- Kowatsch, Ulrich; and Bauer, Heike, to GEZE Sport International GmbH. Laterally releasable jaw unit of a safety ski binding. 4,889,359, 12-26-89, Cl. 280-629.000.
- Kowcz, Alexandra; and Doughty, Darrell G., to Richardson-Vicks Inc. Anti-acne composition. 4,800,197, 1-24-89, Cl. 514-162.000.
- Kowel, Stephen T.; Matloff, Norman; and Eldering, Charles, to University of California, The Regents of the. Electro-optical interface. 4,813,772, 3-21-89, Cl. 350-388.000.
- Kowieski, Raymond J.: *See—*
  - Ocken, Alfred G.; Charlier, Michael L.; and Kowieski, Raymond J., 4,872,089, Cl. 361-388.000.
- Kowitch, Richard: *See—*
  - Kalal, Theodore T.; and Kowitch, Richard, 4,878,143, Cl. 361-94.000.
- Kowite, William J.; and Oestreicher, Stephen L., to Rhone-Poulenc Nederland B.V. Plant growth regulator dispersions. 4,840,660, 6-20-89, Cl. 71-86.000.
- Kowshik, Vikram; and Lucero, Elroy M., to National Semiconductor Corporation. Zero power, electrically alterable, nonvolatile latch. 4,858,185, 8-15-89, Cl. 365-181.000.
- Kowshik, Vikram; Boddu, Sudhakar; and Lucero, Elroy M., to National Semiconductor Corporation. Sequential read access of serial memories with a user defined starting address. 4,873,671, 10-10-89, Cl. 365-189.120.
- Koy, Hermann: *See—*
  - Leluschko, Georg; Michler, Willi; and Koy, Hermann, 4,848,986, Cl. 55-152.000.
- Koya, Hirokuni, to Toshiba Kikai Kabushiki Kaisha. Casting apparatus. 4,850,420, 7-25-89, Cl. 164-150.000.
- Koya, Kazuo: *See—*
  - Yokokawa, Kiyoshi; and Koya, Kazuo, 4,874,416, Cl. 65-3.120.
- Koya, Kei, to NEC Corporation. Signal detecting circuit. 4,817,033, 3-28-89, Cl. 364-900.000.
- Koya, Kei, to NEC Corporation. Arithmetic logic system capable of checking carry look-ahead circuit. 4,876,661, 10-24-89, Cl. 364-787.000.
- Koya, Masahiro: *See—*
  - Yamauchi, Yukiji; Tsukamoto, Nobuo; and Koya, Masahiro, 4,881,271, Cl. 455-56.000.
- Koya, Toshiaki: *See—*
  - Suesada, Kunio; and Koya, Toshiaki, 4,853,796, Cl. 358-324.000.
- Koyabu, Seiji; and Fukuda, Tatsuhisa, to Sanyo Electric Co., Ltd.; and Yamano Electric Mfg. Co., Ltd. Bread making device with a clock function. 4,884,253, 11-28-89, Cl. 368-10.000.
- Koyabu, Yukio: *See—*
  - Matsuoka, Toshio; Sugimori, Seiji; Koyabu, Yukio; and Kurozu, Shinichi, 4,824,479, Cl. 75-0.50R.
- Koyakumaru, Takatoshi: *See—*
  - Tokumo, Masateru; Shirakawa, Kinichi; Koyakumaru, Takatoshi; Okaya, Takuji; Onishi, Hiroyuki; and Kohno, Hiroji, 4,824,696, Cl. 427-208.600.
- Koyama, Hideo: *See—*
  - Kaetsu, Isao; Kumakura, Minoru; Suyama, Hidenari; Kameda, Nobuo; and Koyama, Hideo, 4,839,109, Cl. 264-1.400.
- Koyama, Hiromichi: *See—*
  - Miyazawa, Hideo; Andoh, Ikuhiro; Koyama, Hiromichi; and Kobayashi, Mitsuru, 4,797,119, Cl. 439-395.000.
- Koyama, Hiroshi: *See—*
  - Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, 4,837,445, Cl. 250-442.100.
  - Nishioka, Tadashi; Morimoto, Hiroaki; Mashiko, Yoji; and Koyama, Hiroshi, 4,843,238, Cl. 250-252.100.
  - Nishioka, Tadashi; Mashiko, Yoji; Morimoto, Hiroaki; and Koyama, Hiroshi, 4,853,341, Cl. 437-24.000.
  - Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, 4,880,975, Cl. 250-306.000.
- Koyama, Hiroyasu: *See—*
  - Satoh, Hiroaki; Koyama, Hiroyasu; Suzuki, Yoshikuni; Sugai, Toshiji; and Watanabe, Koichi, 4,877,797, Cl. 514-314.000.
  - Tahara, Yoshiyuki; Koyama, Hiroyasu; Komatsu, Yasuhiro; Kubota, Reiko; and Takahashi, Toshihiro, 4,857,529, Cl. 514-255.000.
- Koyama, Ikuo: *See—*
  - Takashima, Yasuji; Koyama, Ikuo; Maki, Tooru; and Nakamori, Katsu, 4,853,249, Cl. 427-3.000.
- Koyama, Junichi: *See—*
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.

- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.

Koyama, Katsuhiko, to Kabushiki Kaisha Toshiba. X-ray photographing apparatus. 4,884,293, 11-28-89, Cl. 378-197.000.

Koyama, Katsumi: *See*—
- Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.
- Ohashi, Yoshihiko; Nagasawa, Tadahiko; and Koyama, Katsumi, 4,831,862, Cl. 72-389.000.

Koyama, Kazuaki: *See*—
- Kawai, Yoshihiko; Koyama, Kazuaki; and Yasuda, Isao, 4,807,075, Cl. 360-125.000.
- Kawai, Yoshihiko; Koyama, Kazuaki; and Yasuda, Isao, 4,811,147, Cl. 360-120.000.

Koyama, Kazuhito; Sugita, Shigehisa; Sakaguchi, Seiichiro; Seiki, Nobuhiro; and Hanzawa, Asao, to Hitachi, Ltd. Fuel reforming apparatus. 4,861,348, 8-29-89, Cl. 48-94.000.

Koyama, Kazuhito: *See*—
- Sugita, Shigehisa; Koyama, Kazuhito; Shiina, Koji; Sakaguchi, Seiichiro; Kuroda, Michio; and Noguchi, Yoshiki, 4,820,594, Cl. 429-17.000.

Koyama, Kazuo; and Amano, Yoshikai, to Clarion Co., Ltd. RDS system radio. 4,881,273, 11-14-89, Cl. 455-161.000.

Koyama, Kazuo: *See*—
- Itami, Atsushi; Koyama, Kazuo; Matsuzu, Nobuhiko; and Watanabe, Takahito, 4,801,341, Cl. 148-320.000.

Koyama, Kazuya; and Yokoyama, Yoshimasa. Method for molding confectionery products. 4,882,176, 11-21-89, Cl. 426-5.000.

Koyama, Kenji: *See*—
- Himuro, Keiji; Hongoh, Takashi; and Koyama, Kenji, 4,866,468, Cl. 354-195.100.

Koyama, Mamoru, to Tokyo Metal Co., Ltd. Aluminum-ceramic complex material. 4,882,237, 11-21-89, Cl. 428-699.000.

Koyama, Masao; Iwata, Michiaki; Kurihara, Kunihiko; and Sezaki, Masaji, to Meiji Seika Kabushiki Kaisha. Fluorophthalimides and agricultural and horticultural fungicides containing them. 4,839,378, 6-13-89, Cl. 514-417.000.

Koyama, Masataka, to Victor Company of Japan, Ltd. Solid-phase welded magnetic head. 4,878,141, 10-31-89, Cl. 360-120.000.

Koyama, Mikio; and Tanimoto, Hiroshi, to Kabushiki Kaisha Toshiba. Band-pass filter. 4,884,036, 11-28-89, Cl. 328-167.000.

Koyama, Mitsuji: *See*—
- Ishii, Keiichi; Tsutsumi, Yukio; Saeki, Kazunori; and Koyama, Mitsuji, 4,851,263, Cl. 427-240.000.

Koyama, Mototsugu: *See*—
- Donomoto, Tadashi; Koyama, Mototsugu; and Nagaoka, Masaaki, 4,798,770, Cl. 428-547.000.

Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isao, to Kuraray Co., Ltd. Apparatus for plasma treatment of a sheet-like structure. 4,803,332, 2-7-89, Cl. 219-121.520.

Koyama, Noboru; Ishiguro, Shu; and Isobe, Ryosuke, to Konica Corporation. Highly running-endurant magnetic recording medium. 4,818,606, 4-4-89, Cl. 428-323.000.

Koyama, Noritoshi; Ikeuchi, Takayuki; Araki, Seiichi; Kitoh, Kyosuke; and Ida, Katsumi, to Eisai Co., Ltd. Polyprenyl alcohol-containing injections. 4,839,389, 6-13-89, Cl. 514-724.000.

Koyama, Noritoshi: *See*—
- Ohasi, Hiroyuki; Takami, Toru; Koyama, Noritoshi; Kogure, Yoshio; Ida, Katsumi; Iijima, Kazumi; and Kobori, Tomohiro, 4,840,970, Cl. 514-690.000.

Koyama, Osamu, to Canon Kabushiki Kaisha. Magneto-optical information reproducing apparatus in which divided reproducing lights are differentially detected by a photodetector having no amplifying action through an analyzer whose transmission axis azimuth is optimized. 4,803,579, 2-7-89, Cl. 360-114.000.

Koyama, Osamu, to Canon Kabushiki Kaisha. Magneto-optical information reproducing apparatus in which the azimuth angle of the transmission axis of an analyzer is optimized so that the C/N ratio of a reproducing signal is maximum. 4,813,032, 3-14-89, Cl. 369-13.000.

Koyama, Osamu; Uzuki, Kazuo; Shiho, Makoto; and Aoi, Shigeru, to Canon Kabushiki Kaisha. Optical tracking apparatus with photodetector disposed outside part of the effective diameter of the lens system. 4,853,917, 8-1-89, Cl. 369-44.000.

Koyama, Satoshi: *See*—
- Okamura, Kazuo; Kitamura, Ikuo; Aomi, Hideki; Koyama, Satoshi; Tokunaga, Katsushi; Shibuya, Yoshiyuki; and Daimon, Shiego, 4,842,759, Cl. 252-62.510.
- Tanaka, Noriatsu; Tokunaga, Masami; Tanaka, Tsuyoshi; Koyama, Satoshi; and Kikuchi, Keiichi, 4,840,837, Cl. 428-216.000.

Koyama, Shinsuke: *See*—
- Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.

Koyama, Shoichi: *See*—
- Noguchi, Ichiro; and Koyama, Shoichi, 4,809,112, Cl. 360-125.000.

Koyama, Shunsaku; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Water-soluble dry solid containing proteinaceous bioactive substance. 4,824,938, 4-25-89, Cl. 530-351.000.

Koyama, Shunsaku: *See*—
- Mitsuhashi, Masakazu; and Koyama, Shunsaku, 4,814,169, Cl. 424-85.800.

Koyama, Shuntaro: *See*—
- Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.
- Morihara, Atsushi; Miyamoto, Tomohiko; Koyama, Shuntaro; Nogita, Shunsuke; and Hishinuma, Yukio, 4,806,131, Cl. 48-210.000.

Koyama, Takao: *See*—
- Kawakubo, Takamasa; and Koyama, Takao, 4,863,649, Cl. 264-29.600.

Koyama, Takashi: *See*—
- Hirose, Ichiro; Tani, Shichisei; Inamura, Motonori; and Koyama, Takashi, 4,861,324, Cl. 493-48.000.

Koyama, Takeshi; and Ohtaka, Keiji, to Canon Kabushiki Kaisha. Focus detecting system. 4,801,963, 1-31-89, Cl. 354-403.000.

Koyama, Takeshi; and Ohtaka, Keiji, to Canon Kabushiki Kaisha. Apparatus for detecting the focus adjusted state of an objective optical system. 4,841,326, 6-20-89, Cl. 354-406.000.

Koyama, Takeshi; and Ohtaka, Keiji, to Canon Kabushiki Kaisha. Focus detecting device. 4,849,782, 7-18-89, Cl. 354-408.000.

Koyama, Takeshi; Ohtaka, Keiji; and Suda, Yasuo, to Canon Kabushiki Kaisha. Focus detecting device and method of making same. 4,878,078, 10-31-89, Cl. 354-402.000.

Koyama, Takeshi: *See*—
- Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,800,410, Cl. 354-408.000.
- Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,812,869, Cl. 354-408.000.
- Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,833,313, Cl. 250-201.000.
- Suda, Yasuo; Ohnuki, Ichiro; Akashi, Akira; Ishizaki, Akira; Ohtaka, Keiji; and Koyama, Takeshi, 4,859,842, Cl. 250-201.000.

Koyama, Tatsuya; Yamada, Tetsuhiro; Andou, Hirokazu; and Kamimura, Katsuya, to Oki Electric Industry Co., Ltd. Wire-type printing head. 4,820,065, 4-11-89, Cl. 400-124.000.

Koyama, Teruo: *See*—
- Kobayashi, Kazuyoshi; Koyama, Teruo; and Fukuda, Takitaro, 4,794,809, Cl. 74-422.000.
- Nakamura, Yoshiyuki; and Koyama, Teruo, 4,878,394, Cl. 74-493.000.

Koyama, Toshiaki: *See*—
- Morimoto, Shigeki; and Koyama, Toshiaki, 4,849,962, Cl. 370-29.000.

Koyama, Toshihide, to Mazda Motor Corporation. Automobile rear suspension structure. 4,875,705, 10-24-89, Cl. 280-697.000.

Koyama, Toshihide: *See*—
- Kijima, Takao; Ando, Fumitaka; and Koyama, Toshihide, 4,826,203, Cl. 280-690.000.

Koyama, Toshihiro: *See*—
- Toyama, Tsuyoshi; Kohda, Kenji; and Koyama, Toshihiro, 4,827,452, Cl. 365-200.000.

Koyama, Tsunehiro, to Mitsubishi Denki Kabushiki Kaisha. Bipolar logic circuit. 4,841,173, 6-20-89, Cl. 307-456.000.

Koyama, Tsunehiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit device. 4,860,065, 8-22-89, Cl. 357-15.000.

Koyama, Yasuji: *See*—
- Nakano, Eiichi; Masuda, Tsutomu; Koyama, Yasuji; and Kitao, Satoshi, 4,865,979, Cl. 435-172.300.

Koyama, Yoshio: *See*—
- Iwasaki, Kozo; Kuragano, Morimasa; Koshibe, Minoru; Sezaki, Yoshihiro; Yoguchi, Katsuji; and Koyama, Yoshio, 4,879,412, Cl. 562-600.000.
- Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Tsuji, Toshihide; Miyazaki, Kensuke; and Koyama, Yoshio, 4,801,090, Cl. 239-290.000.

Koyan, Kenneth R.: *See*—
- Vandemotter, Patrick J.; Hutchins, Merlyn L.; Canale, Jon S.; and Koyan, Kenneth R., 4,837,552, Cl. 340-461.000.

Koyanagi, Hiroaki: *See*—
- Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.
- Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, 4,862,440, Cl. 369-45.000.

Koyanagi, Kaoru: *See*—
- Yamazaki, Shunpei; Inujima, Takashi; Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Hamatani, Toshiji; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,799,776, Cl. 350-350.00S.
- Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
- Yamazaki, Shunpei; Inujima, Takashi; Konuma, Toshimitsu; Hamatani, Toshiji; Mase, Akira; Sakama, Mitsunori; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,861,143, Cl. 350-350.00S.
- Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.

Koyanagi, Katsubumi: *See*—
- Ii, Hiroshi; Koyanagi, Katsubumi; and Yasuda, Syuhei, 4,845,574, Cl. 360-51.000.
- Yamawaki, Chiaki; Sasada, Taizo; Iwaki, Tetsuo; and Koyanagi, Katsubumi, 4,812,987, Cl. 364-724.010.

Koyanagi, Katsumi: *See*—
- Koga, Hirofumi; and Koyanagi, Katsumi, 4,855,612, Cl. 307-140.000.

Koyanagi, Kimiyuki: *See*—
- Imai, Hitoshi; Arai, Ryuichiro; Koyanagi, Kimiyuki; and Tadokoro, Michihiro, 4,841,507, Cl. 369-44.000.

Koyanagi, Toru: *See*—
- Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, 4,845,093, Cl. 514-247.000.
- Haga, Takahiro; Toki, Tadaaki; Koyanagi, Toru; Fujii, Yasuhiro; Yoshida, Kiyomitsu; and Imai, Osamu, 4,861,799, Cl. 514-594.000.
- Haga, Takahiro; Shigehara, Itaru; Koyanagi, Toru; Hara, Kazutoshi; and Maeda, Masaru, 4,861,886, Cl. 546-16.000.
- Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, 4,863,924, Cl. 514-247.000.
- Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, 4,849,425, Cl. 514-274.000.

Koyanagi, Toshimichi. Container for sealingly containing a fluid. 4,850,912, 7-25-89, Cl. 441-40.000.

Koyanagi, Toshio: *See*—
- Hashizaki, Katsuo; Koyanagi, Toshio; and Morii, Atsushi, 4,796,545, Cl. 110-216.000.
- Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Koyanagi, Yoshihiro; Imamura, Takashi; and Sasaki, Gen, to Fuji Photo Film Co., Ltd. Method of and apparatus for recording image onto a recording medium without subjecting the medium to undesired external forces. 4,833,487, 5-23-89, Cl. 346-1.100.

Koyanagi, Yoshinobu: *See*—
- Ohshio, Hirohiko; Makita, Horoyuki; Nagasawa, Hidehiko; Kurosawa, Yoshiki; and Koyanagi, Yoshinobu, 4,862,337, Cl. 362-294.000.

Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuya; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, to Meiji Seika Kaisha, Ltd.; and Fuji Oil Company, Limited. Chocolate and chocolate additive. 4,877,636, 10-31-89, Cl. 426-607.000.

Koyano, Toshihide: *See*—
- Tezuka, Hirofumi; Nogami, Kouji; and Koyano, Toshihide, 4,841,278, Cl. 340-908.100.

Koyari, Yukio; Sogame, Eiji; Kishimoto, Kanji; and Kakuma, Yojiro, to National Space Development Agency of Japan. Liquid fuel rocket engine. 4,879,874, 11-14-89, Cl. 60-259.000.

Koyasu, Yoshiro; Tsuchida, Yutaka; and Suzuki, Nobukazu, to Nippon Steel Corporation. Non-heat refined steel bar having improved toughness. 4,806,178, 2-21-89, Cl. 148-330.000.

Koyemann Werkzeuge GmbH: *See*—
- Doge, Ulrich, 4,880,339, Cl. 408-161.000.

Koyo Disposable Goods Company: *See*—
- Takagi, Katsumasa, 4,874,456, Cl. 156-471.000.

Koyo Jidoki Co., Ltd.: *See*—
- Yamashita, Kyouichi, 4,816,105, Cl. 156-267.000.

Koyo Jidoki Kabushiki Kaisha: *See*—
- Futaba, Takeshi; and Noguchi, Masahiko, 4,796,715, Cl. 180-143.000.

Koyo Sangyo Co., Ltd.: *See*—
- Shimizu, Shin; Tanaka, Tsugane; Ohara, Osamu; and Inoue, Taisei, 4,818,321, Cl. 156-254.000.

Koyo Seiko Co., Ltd.: *See*—
- Adachi, Takehiro, 4,861,171, Cl. 384-455.000.
- Daido, Toshihiko; Fujiwara, Mitsugu; and Nishimura, Shigeo, 4,871,039, Cl. 180-79.100.
- Hirakushi, Shuzo; Hamasaki, Yoshiaki; and Shimamura, Goki, 4,850,447, Cl. 180-248.000.
- Ijiri, Waichiro; Watanabe, Masayuki; and Ohashi, Yoshihiro, 4,865,145, Cl. 180-791.000.
- Kadota, Yasushi; and Nishida, Yoshikazu, 4,832,665, Cl. 474-112.000.
- Kohigashi, Minoru; Shiraki, Toshihiko; and Tsujimoto, Akito, 4,854,749, Cl. 384-482.000.
- Komine, Ryuichi; and Sano, Osamu, 4,848,500, Cl. 180-142.000.
- Kotani, Hiroshi; and Serizawa, Susumu, 4,834,658, Cl. 439-8.000.
- Matsumoto, Masaaki, 4,883,371, Cl. 384-559.000.
- Mitsumaru, Michitoshi; Furukawa, Keiichi; Ojima, Teruo; and Sawa, Shiro, 4,824,324, Cl. 415-170.00A.
- Miyazaki, Hiroyuki, 4,865,471, Cl. 384-482.000.
- Nishida, Masahiro, 4,875,261, Cl. 29-116.100.
- Nishimoto, Shigeto; Fujimoto, Yoshiki; Inoue, Noriaki; and Harada, Shunji, 4,884,449, Cl. 73-660.000.
- Okumura, Tsuyoshi; and Nohara, Makoto, 4,864,231, Cl. 324-173.000.
- Ueda, Kouichi; Yamauchi, Kouichi; Takebayashi, Hiroaki; and Rokkaku, Kazuo, 4,808,014, Cl. 384-492.000.
- Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, 4,821,385, Cl. 29-148.40A.
- Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, 4,872,771, Cl. 384-492.000.

Koyo Seiko Kabushiki Kaisha: *See*—
- Nakamura, Yoshiyuki; and Koyama, Teruo, 4,878,394, Cl. 74-493.000.

Kozachenko, Dmitry E.: *See*—
- Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.

Kozachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; and Sizova, Svetlana I. Cogged belt with reinforcing members. 4,799,919, 1-24-89, Cl. 474-205.000.

Kozachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; Sizova, Svetlana I.; Gorodnichev, Jury N.; and Nazarenko, Tamara P. Cogged belt with reinforcing element in the form of corrugated band. 4,846,771, 7-11-89, Cl. 474-268.000.

Kozachevsky, Gennady G.: *See*—
- Guskov, Valery V.; Boikov, Vladimir P.; Moroz, Viktor A.; Kozachevsky, Gennady G.; and Gorodnichev, Jury N., 4,848,720, Cl. 249-178.000.

Kozacky, Walter J.: *See*—
- Russell, Gary; and Kozacky, Walter J., 4,890,188, Cl. 361-154.000.

Kozai, Hayao: *See*—
- Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.

Kozak, Burton. Portable screw driver having flexible extension shaft. 4,876,929, 10-31-89, Cl. 81-57.430.

Kozak, Frank J., to Detroit Edison Company. Cable clamp alignment fixture. 4,817,929, 4-4-89, Cl. 269-43.000.

Kozak, Robert J. Tank bottom sampling device. 4,888,999, 12-26-89, Cl. 73-864.650.

Kozak, Stephen J., to Eastman Kodak Company. Curtain coating start-up method and apparatus. 4,851,268, 7-25-89, Cl. 427-420.000.

Kozakae, Kunitoshi; and Takeda, Toru, to Bridgestone Cycle Co., Ltd. Inscribed transmission device. 4,858,485, 8-22-89, Cl. 74-399.000.

Kozakai, Katsumi: *See*—
- Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, 4,829,170, Cl. 250-201.000.
- Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, 4,864,117, Cl. 250-201.000.

Kozakai, Shohei: *See*—
- Hida, Yoshinori; and Kozakai, Shohei, 4,810,731, Cl. 522-33.000.

Kozaki, Kengo; and Nakazaki, Toshiyuki, to Clarion, Co., Ltd. Car electronic device having antitheft mechanism. 4,838,377, 6-13-89, Cl. 180-287.000.

Kozaki, Norio: *See*—
- Okina, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranishi, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, 4,871,612, Cl. 428-269.000.

Kozaki, Ryoichi: *See*—
- Ozawa, Takashi; Munakata, Ichiro; Takagi, Hiroaki; and Kozaki, Ryoichi, 4,827,328, Cl. 357-80.000.

Kozaki, Shyuichi; Ichimura, Yukiko; and Narutako, Yozo, to Sharp Kabushiki Kaisha. Liquid-crystal display devices of twisted nematic type. 4,856,875, 8-15-89, Cl. 350-341.000.

Kozaki, Takahiko: *See*—
- Amada, Eiichi; Yamakido, Kazuo; Kozaki, Takahiko; Nishita, Shigeo; and Kokubo, Masaru, 4,796,296, Cl. 379-410.000.

Kozaki, Tetsuji; Shimamoto, Mamoru; and Moriguchi, Kouichi, to Nippondenso Co., Ltd. Hydraulic stabilizer control system with road surface sensor. 4,834,419, 5-30-89, Cl. 280-707.000.

Kozaki, Tetsuji: *See*—
- Moriguchi, Koichi; Imani, Yuichi; and Kozaki, Tetsuji, 4,844,506, Cl. 280-689.000.

Kozam, George. Flexible container having a compression limiting device. 4,821,924, 4-18-89, Cl. 222-211.000.

Kozarek, Robert L.: *See*—
- McGraw, William D.; Christian, Kevin G.; Hall, William M.; Miller, Gene S.; Seaman, Christopher M.; and Kozarek, Robert L., 4,814,050, Cl. 204-67.000.

Kozasa, Shizuo: *See*—
- Umio, Suminori; Kozasa, Shizuo; and Yabuuchi, Takahiro, 4,879,301, Cl. 514-321.000.

Kozasa, Yoshihisa: *See*—
- Itiki, Hidetoshi; and Kozasa, Yoshihisa, 4,820,227, Cl. 445-66.000.

Kozato, Yasuo: *See*—
- Hayakawa, Naoji; Takenouchi, Masanori; Nakamura, Kenji; Kan, Fumitaka; Kozato, Yasuo; and Hakamada, Isao, 4,858,062, Cl. 361-225.000.

Kozawa, Shigeyuki: *See*—
- Doi, Takao; Yamada, Yutaka; and Kozawa, Shigeyuki, 4,868,252, Cl. 525-530.000.

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Kozawa, Tadashi; Natsume, Naohiro; Komatsubara, Hirofumi; Takaku, Yasunori; Kato, Kiyoshi; and Harada, Seiichi, to Aisan Kogyo Kabushiki Kaisha. Motor-driven fuel pump. 4,854,830, 8-8-89, Cl. 417-365.000.

Kozawa, Tadashi: *See—*
- Yamada, Yutaka; Kozawa, Tadashi; Natsume, Naohiro; and Komatsubara, Hirofumi, 4,872,806, Cl. 415-55.500.

Kozawa, Tetsuo; and Asano, Satoru, to Brother Kogyo Kabushiki Kaisha. Sewing machine capable of being equipped with one of a plurality of operating panels. 4,870,916, 10-3-89, Cl. 112-121.110.

Koze, Jeffrey T.; and Miller, Anton J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Integrated circuits from wafers having improved flatness. 4,871,463, 10-17-89, Cl. 156-645.000.

Kozek, Edward P.: *See—*
- Balcom, James E.; Kozek, Edward P.; and Alderman, Arnold N., 4,799,039, Cl. 340-333.000.

Kozel, Emmett L. Reversible blade terminal fuses. 4,827,238, 5-2-89, Cl. 337-256.000.

Kozel, Emmett L. Blade terminal tap fuse. 4,884,050, 11-28-89, Cl. 337-264.000.

Kozel, George E.: *See—*
- Long, Carl K.; and Kozel, George E., 4,798,060, Cl. 62-310.000.

Kozelnicky, Edward D. Traction/sanding device for wheeled vehicles. 4,795,093, 1-3-89, Cl. 238-14.000.

Koziel, Holger: *See—*
- Finke, Juergen; Neugebauer, Wolfgang; Koziel, Holger; and Bartmann, Martin, 4,864,009, Cl. 528-172.000.

Koziel, Reinhold; Fork, Kurt; and Weidner, Jurgen, to Siemens Aktiengesellschaft. Method for partial discharge detection and breaking spark measuring in dynamo-electric high-voltage machines, and an apparatus for performing the method. 4,814,699, 3-21-89, Cl. 324-158.0MG.

Kozikowski, Barbara A.: *See—*
- Degenhardt, Charles R.; and Kozikowski, Barbara A., 4,877,603, Cl. 424-57.000.

Kozilek, Joseph: *See—*
- Goerne, Jan; Kozilek, Joseph; and Moustakas, Steven, 4,797,901, Cl. 375-10.000.

Kozima, Yasuyuki: *See—*
- Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.

Koziol, Jeffrey E.; and Peyman, Gholam A. Lens shaping device using a laser attenuator. 4,838,266, 6-13-89, Cl. 128-303.100.

Koziol, Jeffrey E.; and Peyman, Gholam A. Intraocular lens assembly. 4,878,910, 11-7-89, Cl. 623-6.000.

Koziol, Kenneth J.: *See—*
- Alam, Abu S.; Koziol, Kenneth J.; and Kapoor, John N., 4,879,286, Cl. 514-110.000.

Koziol, Konrad; and Wenk, Erich, to Conradty GmbH & Co. Metallelektroden KG. Current feeder for electrodes. 4,814,055, 3-21-89, Cl. 204-286.000.

Koziol, Stanislaw: *See—*
- Freeman, Mark D.; Koukol, John L., Jr.; Koziol, Stanislaw; and Sgourakes, George E., 4,852,466, Cl. 92-104.000.

Koziol, Walter, to Moerke Display & Mfg. Co., Inc. Multipurpose cooking rack. 4,848,217, 7-18-89, Cl. 99-426.000.

Kozischek, James F.: *See—*
- Ferentchak, Rudolph; and Kozischek, James F., 4,818,522, Cl. 424-66.000.

Kozisek, Thomas G.: *See—*
- Engleman, Ivan M.; and Kozisek, Thomas G., 4,862,058, Cl. 323-298.000.

Kozlik, Antonin: *See—*
- Jeffery, James E.; Kozlik, Antonin; and Wilmhurst, Eric C., 4,806,570, Cl. 514-646.000.
- Jeffery, James E.; Kozlik, Antonin; and Wilmshurst, Eric C., 4,814,352, Cl. 514-646.000.

Kozlik, Tony J.; and Freimark, Ronald J., to Honeywell, Inc. Microprocessor assisted data block transfer apparatus. 4,855,902, 8-8-89, Cl. 364-200.000.

Kozlik, Tony J.: *See—*
- Spiesman, Robert L.; and Kozlik, Tony J., 4,847,831, Cl. 370-97.000.

Kozlov, Valery S.; Polyakova, Elena A.; Novikov, Alexei E.; and Krupko, Mikhail T., to Belorussky Politekhnichesky Institute. Method of magnetographic inspection of quality of materials. 4,806,862, 2-21-89, Cl. 324-213.000.

Kozlov, Valery S.; Polyakova, Elena A.; Novikov, Alexei E.; and Krupko, Mikhail T. Magnetizing device with yoke having loosely fitted coil sections for magnetographic inspection of quality of materials. 4,884,028, 11-28-89, Cl. 324-213.000.

Kozlowski, Chester P.: *See—*
- Kinnick, John F.; and Kozlowski, Chester P., 4,886,101, Cl. 157-1.220.

Kozlowski, Eric F., to Lear Siegler Seating Corp. Method and apparatus for positioning fabric covers on a foam cushion. 4,885,828, 12-12-89, Cl. 29-91.500.

Kozlowski, Louis P. Soil-percolation testing method and apparatus. 4,829,817, 5-16-89, Cl. 73-155.000.

Kozo Iizuka, Director General, Agency of Industrial Science and Technology: *See—*
- Hanafusa, Hiroshi; Yoneda, Kiyoshi; and Ogata, Hidenori, 4,833,100, Cl. 437-85.000.
- Mizoguchi, Akira; Shioya, Jun; Yamaguchi, Yoichi; Ueba, Yoshinobu; and Matsubara, Hironaga, 4,795,656, Cl. 427-38.000.
- Nishimura, Tadashi; Inoue, Yasuo; Sugahara, Kazuyuki; and Kusunoki, Shigeru, 4,861,418, Cl. 156-620.720.
- Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, 4,870,031, Cl. 437-82.000.

Kozoe, Katutoshi: *See—*
- Yamamoto, Masahiro; Kumata, Mituyosi; Kozoe, Katutoshi; and Itoh, Tsutomu, 4,811,689, Cl. 118-624.000.

Kozol, Edward J.: *See—*
- Ashcraft, Glinden R.; Gorman, Richard E.; Kozol, Edward J.; and Paul, Robert J., 4,822,442, Cl. 156-361.000.

Kozon, Anthony R., to Viking Metal Cabinet Co., Inc. Recessing hinge mechanism. 4,821,375, 4-18-89, Cl. 16-360.000.

Kozponti Banyaszati Fejlesztesi Intezet: *See—*
- Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, 4,865,492, Cl. 406-109.000.

Kozponti Valto-es Hitelbank Rt., Innovacios Alap: *See—*
- Boros, Gyorgy; Gulacsy, Robert; Laszlo, Gyorgy; and Narancsik, Pal, 4,795,125, Cl. 249-78.000.

Kozponyi Banyaszati Fejlesztesi Intezet: *See—*
- Kocsanyi, Laszlo; Illes, Karoly; and Ajtai, Laszlo, 4,869,460, Cl. 251-62.000.

Kozu, Eiji: *See—*
- Hirotsu, Tetsuji; Nakamura, Kiyoshi; Kasai, Syoji; Yamaguchi, Hiroshi; and Kozu, Eiji, 4,799,161, Cl. 364-426.010.
- Nohmi, Makoto; and Kozu, Eiji, 4,801,855, Cl. 318-338.000.

Kozu, Naoshi: *See—*
- Omata, Tadao; and Kozu, Naoshi, 4,854,004, Cl. 15-304.000.

Kozuka, Hajime; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, to Mitsubishi Denki Kabushiki Kaisha; and Nippon Seiko Kabushiki Kaisha. Motor-driven type power assisted steering control apparatus. 4,886,136, 12-12-89, Cl. 180-79.100.

Kozuka, Hajime: *See—*
- Saito, Naoki; Hata, Yasuaki; Kozuka, Hajime; and Mitarai, Kazuo, 4,862,982, Cl. 180-79.100.

Kozuka, Kazuhiro; Ozasa, Toshihiro; Takahashi, Hideaki; and Kondo, Haruyoshi, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Gas sampling valve. 4,869,094, 9-26-89, Cl. 73-2.600.

Kozuka, Kenji: *See—*
- Nakasone, Takayoshi; Ida, Yoji; and Kozuka, Kenji, 4,795,234, Cl. 350-96.300.

Kozuka, Tadashi; Ozaku, Minoru; Yamamoto, Yuji; and Ando, Yoichi, to Juki Corporation. Thread feeding apparatus for multi-needle sewing machine. 4,843,986, 7-4-89, Cl. 112-163.000.

Kozuka, Yoshinari: *See—*
- Abe, Masanori; Mase, Syunzo; and Kozuka, Yoshinari, 4,814,930, Cl. 361-44.000.

Kozuka, Zensaku: *See—*
- Sugimoto, Eisuke; Tanizawa, Yoshiyasu; and Kozuka, Zensaku, 4,855,034, Cl. 204-427.000.

Kozuki, Susumu; Takei, Masahiro; Masui, Toshiyuki; Hirasawa, Masahide; and Kashida, Motokazu, to Canon Kabushiki Kaisha. Apparatus for data error correction using rounding technique. 4,803,684, 2-7-89, Cl. 371-31.000.

Kozuki, Susumu; and Satoh, Keiji, to Canon Kabushiki Kaisha. Reproducing apparatus for intermittently driving recording medium. 4,841,380, 6-20-89, Cl. 360-10.200.

Kozuki, Susumu; Takahashi, Koji; Satoh, Keiji; Nagasawa, Kenichi; Edakubo, Hiroo; and Otokawa, Mitsuhiro, to Canon Kabushiki Kaisha. Rotary head type recording apparatus having an erasing function based on recording mode. 4,879,609, 11-7-89, Cl. 360-66.000.

Kozuki, Susumu: *See—*
- Amikura, Takashi; Fujiwara, Akihiro; Toyama, Masamichi; Ueda, Kouichi; and Kozuki, Susumu, 4,876,564, Cl. 354-400.000.
- Edakubo, Hiroo; Sato, Chikara; Kozuki, Susumu; and Yoshimura, Katsuji, 4,870,510, Cl. 360-27.000.
- Harigaya, Isao; and Kozuki, Susumu, 4,817,887, Cl. 242-186.000.
- Kashida, Motokazu; Kozuki, Susumu; Takimoto, Hiroyuki; Takahashi, Kouji; and Nagasawa, Kenichi, 4,811,120, Cl. 37-5.000.
- Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, 4,872,072, Cl. 360-33.100.
- Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, 4,888,651, Cl. 358-335.000.
- Nagasawa, Kenichi; Takimoto, Hiroyuki; Otokawa, Mitsuhiro; Edakubo, Hiroo; Kozuki, Susumu; and Satoh, Keiji, 4,802,031, Cl. 360-77.150.
- Nagashima, Yoshitake; Ishikawa, Hisashi; Kozuki, Susumu; Yoshimura, Katsuji; Takahashi, Koji; and Nagasawa, Kenichi, 4,812,920, Cl. 358-310.000.
- Satoh, Keiji; and Kozuki, Susumu, 4,882,634, Cl. 360-10.200.
- Sawada, Takeshi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, 4,835,069, Cl. 428-694.000.
- Yasumura, Hiroto; Kozuki, Susumu; and Takei, Masahiro, 4,815,061, Cl. 369-48.000.
- Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; Yoshimura, Katsuji; and Sasaki, Tomohiko, 4,878,128, Cl. 358-315.000.
- Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; and Yoshimura, Katsuji, 4,882,632, Cl. 358-330.000.
- Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; Sato, Chikara; and Takahashi, Koji, 4,864,430, Cl. 360-10.200.
- Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; and Sato, Chikara, 4,873,587, Cl. 360-9.100.

Kozuki, Suzumu: *See—*
- Tezuka, Nobuo; Date, Nobuaki; Saito, Syuichiro; and Kozuki, Suzumu, 4,825,302, Cl. 358-335.000.

Kozuma, Jiro; Hamaguchi, Hirohiko; Shibahara, Tetsuya; and Strasser, Joseph P., to Dow Chemical Company, The. Composition for thermally stablizing o-pyridylphosphates or thiophosphates by incorporating various proportions of certain phthalate esters thereto. 4,810,793, 3-7-89, Cl. 514-89.000.

Kozumi, Kazuo: *See—*
- Noguchi, Ichiro; Kobayashi, Kazuo; Sawada, Toru; Okita, Masao; Takayama, Yasunari; and Kozumi, Kazuo, 4,831,479, Cl. 360-105.000.

Kozumplik, Nicholas, Jr.: *See—*
- Gardner, Richard K.; and Kozumplik, Nicholas, Jr., 4,854,832, Cl. 417-393.000.

Kozushin, Anatoly: *See—*
- Mobley, Joseph G.; Kozushin, Anatoly; Baher, Saeed; Addison, Steve; Paulk, Howard; and Farmer, James, 4,888,799, Cl. 380-6.000.

Kozyrski, Vincent T.; and Peters, Alan R., to Fletcher-Terry Company, The. Head assembly for mat cutting machine. 4,798,112, 1-17-89, Cl. 83-455.000.

Kozyrski, Vincent T.; Peters, Alan R.; and Shaw, Ralph B., to Fletcher-Terry Company, The. Stack of asymmetric fasteners and combination thereof with cooperating magazine. 4,809,849, 3-7-89, Cl. 206-343.000.

Kozyrski, Vincent T.; and Peters, Alan R., to Fletcher-Terry Company, The. Mat bevel cutting machine. 4,867,023, 9-19-89, Cl. 83-455.000.

Kozyrski, Vincent T.; and Peters, Alan R., to Fletcher-Terry Company, The. Mat bevel cutting machine. 4,871,156, 10-3-89, Cl. 269-303.000.

KR Industries, Inc.: *See—*
- Handelman, Robert I., 4,843,662, Cl. 5-481.000.

Kr. Larsen Sveiseverksted A/S: *See—*
- Martinsen, Egil. 4,826,385, Cl. 414-373.000.

Kraabel, Mark T.: *See—*
- Haeg, Steven R.; and Kraabel, Mark T., 4,798,088, Cl. 73-669.000.

Kraaij, Wouter; and Visser, Meindert, to Fano International Limited. Emergency lighting system. 4,887,004, 12-12-89, Cl. 315-86.000.

Kraaijer Nederland B.V.: *See—*
- Theewis, Simon R.; and Ebell, Robert J. E. V., 4,815,146, Cl. 2-94.000.

Kraatz, Gary W.: *See—*
- Michaely, William J.; and Kraatz, Gary W., 4,816,066, Cl. 71-123.000.

Kraatz, Udo; and Feyen, Peter, to Bayer Aktiengesellschaft. Process for the preparation of the (−)-antipode of (E)-1-cyclohexyl-4,4-dimethyl-3-hydroxy-2-(1,2,4-triazol-1-yl)-pent-1-ene. 4,804,766, 2-14-89, Cl. 548-262.000.

Kraatz, Udo, to Bayer Aktiengesellschaft. Process for the preparation of the (−)-antipode of (E)-1-cyclohexyl-4, 4-dimethyl-3-hydroxy-2-(1,2,4-triazol-1-yl)-pent-1-ene. 4,808,725, 2-28-89, Cl. 548-262.000.

Kraatz, Udo, to Bayer Aktiengesellschaft. Process for the preparation of optically active 2-hydroxyethyl-azole derivatives. 4,876,353, 10-24-89, Cl. 548-262.000.

Krabbenhoft, Herman O.: *See—*
- Boden, Eugene P.; and Krabbenhoft, Herman O., 4,888,400, Cl. 525-462.000.

Krabill, Robert H.: *See—*
- Clark, David E.; and Krabill, Robert H., 4,861,410, Cl. 156-325.000.

Krachanko, Allen, to Westinghouse Electric Corp. Field current measurement device. 4,814,700, 3-21-89, Cl. 324-158.0MG.

Kracher, Fritz: *See—*
- Christen, Felix; and Kracher, Fritz, 4,804,544, Cl. 426-5.000.

Kraemer, Bernard M.: *See—*
- Turner, Thomas R.; Kraemer, Bernard M.; and Harrison, Michael L., 4,815,619, Cl. 215-248.000.

Kraemer, Bernhard: *See—*
- Allner, Kurt; Brinkmann, Hans; Kraemer, Bernhard; and Schulte, Herbert, 4,888,145, Cl. 264-126.000.

Kraemer, Carolyn, to Weed Instruments Co., Inc. Apparatus and method for providing a strain-resistant resistance temperature detector. 4,878,039, 10-31-89, Cl. 338-26.000.

Kraemer, Dieter; Siol, Werner; Markert, Gerhard; Suetterlin, Norbert; and Feil, Cornelia, to Rohm GmbH. Polymer particles and latices thereof for the immobilization of biologically active substances. 4,829,101, 5-9-89, Cl. 523-201.000.

Kraemer, Dieter; Plainer, Hermann; Sproessier, Bruno; Uhlig, Helmut; and Schnee, Reiner, to Rohm GmbH. Method for immobilizing dissolved proteins. 4,839,419, 6-13-89, Cl. 525-54.100.

Kraemer, Dieter: *See—*
- Hartl, Roland; and Kraemer, Dieter, 4,806,348, Cl. 424-85.000.

Kraemer & Grebe GmbH & Co. KG Maschinenfabrik: *See—*
- Schmeck, Alfred, 4,798,115, Cl. 83-639.000.

Kraemer, Hans P.: *See—*
- Berscheid, Hans G.; Bottger, Dirk; and Kraemer, Hans P., 4,795,808, Cl. 536-6.400.
- Dickneite, Gerhard; Schorlemmer, Hans-Ulrich; Kraemer, Hans P.; and Sedlacek, Hans H., 4,847,299, Cl. 514-579.000.
- Hoppe, Hans-Ullrich; Grabley, Susanne; Voelskow, Hartmut; Schlingmann, Merten; Kraemer, Hans P.; Wiesner, Matthias; and Thiem, Joachim, 4,849,409, Cl. 514-27.000.
- List, Paul H.; Schmidt, Peter C.; Steffens, Klaus-Jurgen; Perschbacher, Harald; Kraemer, Hans P.; and Sedlacek, Hans H., 4,801,455, Cl. 424-400.000.

Kraemer, Hartmuth; and Zolda, Ernst, to Robert Bosch GmbH. Device for conveying fuel from a supply tank to internal combustion engine. 4,808,066, 2-28-89, Cl. 415-53.00T.

Kraemer, Horst; Rohmer, Hartmut; and Stawowy, Johannes. Unsaturated polyester resin and molding compounds obtained therefrom. 4,837,270, 6-6-89, Cl. 525-27.000.

Kraemer. Manfred: *See—*
- Eckell, Wolfgang; Guentert, Josef; Haefele, Walter; Kraemer, Manfred; Kuhn, Uwe; and Warga, Johann, 4,840,161, Cl. 123-500.000.

Kraemer, Siegfried, to Messerschmitt-Bolkow-Blohm GmbH. Apparatus for lifting a bundle of conductors off a surface. 4,821,636, 4-18-89, Cl. 100-19.00R.

Kraetschmer, Horst, to Leonard Kurz GmbH & Co. Embossing foil. 4,837,072, 6-6-89, Cl. 428-201.000.

Kraeutler, Bernard. Method of fabricating flexible curtains of any size. 4,824,505, 4-25-89, Cl. 156-227.000.

Kraeutler, Bernard, to Nergeco (SA). Support and transmission module for the winding shaft of a lifting curtain door. 4,828,003, 5-9-89, Cl. 160-84.100.

Kraff, Manus C. Suturing needle with tail mounted cutting blade and method for using same. 4,799,483, 1-24-89, Cl. 128-339.000.

Kraft, Dieter; and Grohser, Dieter, to Merck Patent Gesellschaft mit beschrankter Haftung. Apparatus for spray coating of vessel mouths with silanes. 4,850,300, 7-25-89, Cl. 118-63.000.

Kraft, Heinrich A., to Siecor Corporation. S-Z stranded optical cable. 4,828,352, 5-9-89, Cl. 350-96.230.

Kraft, Inc.: *See—*
- Evans, Neil L.; Tombolato, Aldo L.; Reynolds, Robert R.; and Meisner, Robert J., 4,880,104, Cl. 198-445.000.
- Kuss, George E., 4,865,868, Cl. 426-613.000.
- Mathers, Jeremy J., 4,865,991, Cl. 436-20.000.
- Mehnert, David W.; and Dinwoodie, Robert C., 4,798,798, Cl. 435-289.000.
- Moran, James W.; Posdal, James R.; and Trecker, Gary W., 4,820,530, Cl. 426-40.000.
- Schlipalius, Lance E.; Myers, Jeffrey J.; and Frey, Jonathan P., 4,803,090, Cl. 426-242.000.
- Soucie, William G.; Chen, Wen-Sherng; Witte, Vernon C.; Henry, George A.; and Drehkoff, William D., 4,885,179, Cl. 426-104.000.
- Strandholm, John J.; Prochnow, Robert R.; Miller, Mark S.; Woodford, Lawrence E.; and Neunaber, Steven M., 4,885,183, Cl. 426-582.000.

Kraft, James L., to Collage Video Specialities, Inc. Electronic equipment remote control unit chassis. 4,809,360, 2-28-89, Cl. 455-603.000.

Kraft, Kenneth N.; and Powers, Daniel, to George Koch Sons, Inc. Roof bow locking system. 4,854,633, 8-8-89, Cl. 296-104.000.

Kraft, Kurt R., to Boeing Company, The. Cantilevered vortex control device. 4,884,772, 12-5-89, Cl. 244-199.000.

Kraft, Morton L.: *See—*
- Fishman, Erwin; Kraft, Morton L.; and Coleman, William B., 4,833,040, Cl. 428-570.000.

Kraft, Reinhardt; and Ranke, Horst, to Leybold-Heraeus GmbH. Electron gun with one directly heatable and one indirectly heatable cathode. 4,803,398, 2-7-89, Cl. 313-337.000.

Kraft, Russell H.: *See—*
- Cumming, Carl P.; and Kraft, Russell H., 4,845,307, Cl. 174-5.00R.

Kraft, Simon. Concrete finishing float having spirally slotted sleeve. 4,856,932, 8-15-89, Cl. 404-118.000.

Kraft, Thomas L.; Vick, Howard A.; Meador, James W.; and Johnson, Corrine, to KVM Engineering, Inc. Electrode for non-invasive allergy testing. 4,809,707, 3-7-89, Cl. 128-736.000.

Kraft, Thomas L.; Vick, Howard A.; and Meador, James W., to KVM Engineering, Inc. Automatic allergy detection system. 4,819,657, 4-11-89, Cl. 128-736.000.

Kraftanlagen AG: *See—*
- Dehli, Frank; and Lampl, Fritz, 4,815,523, Cl. 165-5.000.
- Riekert, Lothar; Kotter, Michael; and Weyland, Friedrich, 4,867,953, Cl. 423-239.000.

Kraftwerk Union Aktiengesellschaft: *See—*
- Assmann, Helmut; Dorr, Wolfgang; Maier, Georg; and Peehs, Martin, 4,795,341, Cl. 432-126.000.
- Cirkel, Hans-Jurgen; Bette, Willi; and Muller, Reinhard, 4,887,275, Cl. 372-83.000.
- Conrads, Hermann-Josef, 4,844,857, Cl. 376-247.000.
- Peehs, Martin; Bayer, Heinrich; Jenczio, Ulrich; Laucht, Jurgen; Hellmann, Sieghard; Dichtjar, Gerhard; Dorr, Wolfgang; and Maier, Georg, 4,816,193, Cl. 264-0.500.

Krage, Mark K., to General Motors Corporation. Method and apparatus for determining the compression ratio of an engine cylinder. 4,836,015, 6-6-89, Cl. 73-117.200.

Kragle, George D. Two-head shower arm. 4,865,254, 9-12-89, Cl. 239-76.000.

Krah, Peter, to Maschinenfabrik Alfred Schmermund GmbH & Co. Bottom-folding packer. 4,862,680, 9-5-89, Cl. 53-575.000.

Krahe, Ronald P.: *See—*
- Childers, Robert W.; Cook, Thomas G.; Karle, David A.; Krahe, Ronald P.; Sparber, George E.; and Yeaney, Gerald L., 4,808,377, Cl. 422-26.000.

Krahling, Franz: *See—*
- Brodling, Gunter; Feyerabend, Franz; Hubert, Peter; Krahling, Franz; Peitz, Wolfgang; Sewing, Karlernst; and Schnelle, Diethard, 4,797,790, Cl. 362-61.000.

Krahn, Darren L., to Caterpillar Industrial Inc. Apparatus for controllably positioning a lift mast assembly of a work vehicle. 4,869,635, 9-26-89, Cl. 414-274.000.

Krahn, Roy J., to Minnesota Mining and Manufacturing Company. Adjustable nozzle. 4,850,538, 7-25-89, Cl. 239-439.000.
Krahnke, Robert H.; and Saam, John C., to Dow Corning Corporation. Polyalkoxysilylalkylenedisilazanes and silylamines. 4,847,400, 7-11-89, Cl. 556-412.000.
Kraic, Otto, to Wankel, H. C. Felix. Interengaging rotors having internal axes and specific sidewall construction. 4,850,831, 7-25-89, Cl. 418-168.000.
Krainhofer, Gunter L., to U.S. Philips Corp. Device for accomodating a loudspeaker into a cut-out of a sound panel. 4,815,558, 3-28-89, Cl. 181-141.000.
Krainik, Yaroslav I.: *See—*
  Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
Krajewski, Cory L.: *See—*
  Lubinsky, Anthony R.; Schmitt, James F.; and Krajewski, Cory L., 4,827,281, Cl. 346-1.100.
Krajewski, John J.; Bishop, Timothy E.; Coady, Clive J.; Zimmerman, John M.; Noren, Gerry K.; and Fisher, Christopher E., to DeSoto, Inc. Ultraviolet curable coatings for optical glass fiber based on a polyfunctional core. 4,806,574, 2-21-89, Cl. 522-96.000.
Krajewski, John J.: *See—*
  Murphy, Edward J.; Ansel, Robert E.; and Krajewski, John J., 4,844,144, Cl. 164-35.000.
Krajicek, Richard W.; and Cradeur, Robert R., to Serv-Tech, Inc. Mobile articulatable tube bundle cleaner. 4,805,653, 2-21-89, Cl. 134-166.00C.
Krajicek, Richard W.; and Cradeur, Robert R., to Serv-Tech, Inc. Tank cleaning, water washing robot. 4,817,653, 4-4-89, Cl. 134-168.00R.
Krajicek, Richard W.; and Cradeur, Robert R., to Serv-Tech, Inc. Multi-lange tube bundle cleaner. 4,856,545, 8-15-89, Cl. 134-166.00C.
Krajicek, Richard W.; and Cradeur, Robert R., to Serv-Tech, Inc. Aerial bundle puller. 4,869,638, 9-26-89, Cl. 414-745.300.
Krajicek, Stephen W. Wet mop with interchangeable scrubbing pad and cloth wipe. 4,852,210, 8-1-89, Cl. 15-228.000.
Krakau, Herbert B.: *See—*
  Mehta, Bakulesh A.; Morganstein, Sanford J.; and Krakau, Herbert B., 4,850,012, Cl. 379-157.000.
  Morganstein, Sanford J.; Mehta, Bakulesh A.; Krakau, Herbert B.; Milsted, Neil F. N.; and Klecka, Mark D., 4,809,321, Cl. 379-211.000.
Krakauer, Lawrence J.; and Baxter, Larry, to Kronos, Inc. Method of fixed-length binary encoding and decoding and apparatus for same. 4,818,969, 4-4-89, Cl. 341-80.000.
Krakauer, Merrill, to Rowe International, Inc. Countertop snack vendor. 4,842,161, 6-27-89, Cl. 221-76.000.
Krakauer, Sidney: *See—*
  Wortham, Samuel T.; and Krakauer, Sidney, 4,838,858, Cl. 604-83.000.
Krakenberg, Manfred: *See—*
  Schaefer, Dietmar; and Krakenberg, Manfred, 4,833,225, Cl. 528-28.000.
Kraker, Alfred, to Siemens Aktiengesellschaft. Digital sine generator. 4,860,238, 8-22-89, Cl. 364-721.000.
Kraklio, Kenneth L., to K-Rak Products, Inc. Bicycle carrier. 4,804,120, 2-14-89, Cl. 224-42.03B.
Krakow, William T.: *See—*
  Liu, Wentai; Krakow, William T.; and Hughes, Thomas A., Jr., 4,821,224, Cl. 364-726.000.
Kral, Kevin D., to Davis Controls Corporation. Method of and apparatus for reducing energy consumption. 4,870,340, 9-26-89, Cl. 323-235.000.
Kral, Rudy; and Mason, Joseph, to M&M/Mars. Dispensing rack. 4,850,511, 7-25-89, Cl. 221-154.000.
Kralik, Douglas R., to Figgie International Inc. Football and lacing for footballs. 4,869,504, 9-26-89, Cl. 273-65.00A.
Kralik, Ivan M., to AG Communication Systems Corporation. Circuit for testing the bus structure of a printed wiring card. 4,847,838, 7-11-89, Cl. 371-25.000.
Krall, Albert D.; and Coughlin, James P., to United States of America, Navy. Electric wave device and method for efficient excitation of a dielectric rod. 4,845,508, 7-4-89, Cl. 343-785.000.
Krall, Jack, to Newcomer Products, Inc. Method for producing powdered metal compacts with fine holes. 4,834,940, 5-30-89, Cl. 419-66.000.
Krall, Thomas J., to Owens-Illinois Plastic Products Inc. Applying labels to blow molded articles. 4,815,955, 3-28-89, Cl. 425-116.000.
Krall, Thomas J.; and Myers, Robert A., to Owens-Illinois Plastic Products Inc. Apparatus for applying labels to blow molded articles. 4,854,848, 8-8-89, Cl. 425-503.000.
Krall, Thomas J., to Owens-Illinois Plastic Products Inc. Plastic container with self-draining feature. 4,863,067, 9-5-89, Cl. 222-111.000.
Kralovic, Raymond C., to Steris Corporation. Universal biological indicator system. 4,885,253, 12-5-89, Cl. 435-296.000.
Krambeck, Frederick J.; Owen, Hartley; and Tabak, Samuel A., to Mobil Oil Corporation. Catalytic conversion of light olefinic feedstocks in a FCC plant. 4,831,205, 5-16-89, Cl. 585-519.000.
Krambeck, Frederick J.: *See—*
  Kovacs, Richard C.; Krambeck, Frederick J.; and Sarli, Michael S., 4,843,051, Cl. 502-42.000.
Krambrock, Wolfgang, to AVT Anlagen-und Verfahrenstechnik GmbH. Apparatus for mixing bulk materials in dust, powder or coarse grained form. 4,818,117, 4-4-89, Cl. 366-341.000.
Krambrock, Wolfgang, to AVT Anlagen-und Verfahrenstechnik GmbH. Device for closing a pipe branch. 4,836,250, 6-6-89, Cl. 137-625.470.
Kramer, Andreas, to Ciba-Geigy Corporation. Esters of allyl-bicyclo[2.2.1]hept-5-ene-2-carboxylic acid and polymers thereof. 4,847,335, 7-11-89, Cl. 525-502.000.
Kramer, Andreas; and Darms, Roland, to Ciba-Geigy Corporation. Allylbicyclo[2.2.1]hept-5-ene-2-carboxylic acid amides. 4,861,885, 8-29-89, Cl. 544-387.000.
Kramer, Andreas; and Perritaz, Francis, to Ciba-Geigy Corporation. Mixture containing dicyanate or polycyanate compound, substituted bicyclo[2.2.1]hept-5-ene-2,3-dicarboximide and thermoplastic. 4,885,346, 12-5-89, Cl. 525-426.000.
Kramer, Arris H.: *See—*
  Sjardijn, Willem; and Kramer, Arris H., 4,810,762, Cl. 526-166.000.
Kramer, Bernhard, to Dornier GmbH. Radial attenuation. 4,799,653, 1-24-89, Cl. 267-136.000.
Kramer, Carl; and Grundmann, Reinhard, to Degussa Aktiengesellschaft. Apparatus for uniformly subjecting a flow-traversable heatable material to a fluid flow. 4,817,300, 4-4-89, Cl. 34-191.000.
Kramer, Carl: *See—*
  Coulon, Jean C.; Kramer, Carl; Schaefer, Wolfgang; and Sustmann, Hans, 4,824,695, Cl. 427-168.000.
  Le Marrec, Claude; Kramer, Carl; and Kuster, Hans-Werner, 4,808,043, Cl. 406-181.000.
Kramer, Charles E.: *See—*
  Davis, Robert B.; Kramer, Charles E.; and Barlow, Sandra K., 4,874,660, Cl. 428-234.000.
  Meirowitz, Randy E.; and Kramer, Charles E., 4,822,454, Cl. 162-199.000.
Kramer, Charles J., to Holotek, Ltd. Hologon scanner system. 4,826,268, 5-2-89, Cl. 350-371.000.
Kramer, Charles J., to Halotek Ltd. Multi-wavelength scanning system. 4,848,863, 7-18-89, Cl. 350-3.710.
Kramer, Charles J., to Holotek Ltd. Hologan scanner system. 4,852,956, 8-1-89, Cl. 350-3.710.
Kramer, Colleen M.; Landeryou, Victor; and Schaeufele, Peter J., to Lonza Inc. Moisture-stabilized foods having improved shelf life. 4,816,282, 3-28-89, Cl. 426-549.000.
Kramer, Dale C. Remotely-controlled vehicle. 4,844,493, 7-4-89, Cl. 180-169.000.
Kramer, Daniel P.; Santangelo, Joseph G.; and Weber, James J., to Air Products and Chemicals, Inc. CO_2 copolymer ceramic-binder composition. 4,814,370, 3-21-89, Cl. 524-391.000.
Kramer, Daniel P.; Santangelo, Joseph G.; and Weber, James J., to Air Products and Chemicals, Inc. CO_2 copolymer binder for forming ceramic bodies and a shaping process using the same. 4,882,110, 11-21-89, Cl. 264-63.000.
Kramer, David N.; and Snow, Philip A., to Kramer, David N. Cleansing and distinfecting compositions, including bleaching agents, and sponges and other applicators incorporating the same. 4,847,089, 7-11-89, Cl. 424-405.000.
Kramer, David N.; and Snow, Philip A., to Kramer, David N. Decontaminating composition and delivery system therefor. 4,850,729, 7-25-89, Cl. 401-183.000.
Kramer, David W., to A. O. Smith Corporation. Gas burner construction. 4,872,833, 10-10-89, Cl. 431-354.000.
Kramer, David W., to A. O. Smith Corporation. High efficiency submersible chamber water heater. 4,875,465, 10-24-89, Cl. 126-391.000.
Kramer, Dennis A.: *See—*
  Roper, Daniel W.; Kramer, Dennis A.; Malinowski, Mark E.; and Dombrowski, John, 4,836,616, Cl. 303-92.000.
Kramer, Dieter; and Barkow, Helmut, to Telenorma Telefonbau und Normalzeit GmbH. Arrangement for main distribution frames. 4,813,880, 3-21-89, Cl. 439-65.000.
Kramer, Donald D., to Circle K Enterprises, Inc. Tanning bed top cover actuator. 4,881,548, 11-21-89, Cl. 128-376.000.
Kramer, DuWayne E. Personal mobility vehicle with expansible wheel base and wheel track. 4,834,409, 5-30-89, Cl. 180-209.000.
Kramer, Felix: *See—*
  Becker, Anton; and Kramer, Felix, 4,875,382, Cl. 74-84.00R.
  Bogatzki, Hans-Ulrich; and Kramer, Felix, 4,852,415, Cl. 73-865.800.
Kramer, Gordon: *See—*
  Joseph, Ezekiel; Kramer, Gordon; and Oh, Chan S., 4,824,215, Cl. 350-339.00D.
Kramer, Gregory, to Clarity. Digital signal processor for providing timbral change in arbitrary audio signals. 4,868,869, 9-19-89, Cl. 381-61.000.
Kramer, Hans: *See—*
  Vollhardt, Frohmut; and Kramer, Hans, 4,831,969, Cl. 122-379.000.
  Vollhardt, Frohmut; and Kramer, Hans, 4,840,145, Cl. 122-379.000.
Kramer, Herbert: *See—*
  Baumann, Gerhard; and Kramer, Herbert, 4,819,385, Cl. 51-241.00B.
Kramer, Hildegard M.; and Meriwether, Lewis S., to American Cyanamid Company. New organo-aluminum antiperspirant compositions. 4,810,810, 3-7-89, Cl. 556-175.000.
Kramer, James H., to B. F. Goodrich Company, The. Composite rudder seal. 4,802,430, 2-7-89, Cl. 114-169.000.
Kramer, James H., to B. F. Goodrich Company, The. Composite rudder seal. 4,809,631, 3-7-89, Cl. 114-169.000.

Kramer, James H., to B. F. Goodrich Company, The. Impact absorbing device. 4,887,934, 12-19-89, Cl. 405-213.000.
Kramer, Jerry; and Lapatovich, Walter P., to GTE Laboratories Incorporated. Rare earth halide light source with enhanced red emission. 4,801,846, 1-31-89, Cl. 313-641.000.
Kramer, Jonathan L.: *See—*
  Maltby, Frederick L.; Hall, Richard G.; Kramer, Jonathan L.; Hoopes, Howard S.; and Petersen, Steven R., 4,849,754, Cl. 340-870.380.
Kramer, Justin: *See—*
  Peterson, Richard H.; and Kramer, Justin, 4,851,800, Cl. 335-229.000.
Kramer, Karl C.: *See—*
  Evans, David N.; Fairchild, Charles L.; Kramer, Karl C.; Spruill, John C.; Wansor, Gerard J.; and Wood, Robert W., 4,797,293, Cl. 426-330.300.
Kramer, Karl-Martin; and Dorenkamp, Richard, to Volkswagen AG. Arrangement for prevention of troublesome load change shocks in an internal combustion engine serving to propel a vehicle. 4,875,449, 10-24-89, Cl. 123-400.000.
Kramer, Kenneth D.; and Sparks, Gregory E., to Deere & Company. Pilot operated hydraulic control valve. 4,799,645, 1-24-89, Cl. 251-30.040.
Kramer, Kent M.: *See—*
  Kramer, Timothy A.; and Kramer, Kent M., 4,818,415, Cl. 210-748.000.
Kramer, Klaus: *See—*
  Dassler, Joachim; Girod, Detlef; Kramer, Klaus; and Liesch, Ingrid, 4,837,477, Cl. 313-25.000.
Kramer, L. Jonathan; and Petersen, Steven R., to Drexelbrook Controls, Inc. Multiple set point condition monitoring systems. 4,799,174, 1-17-89, Cl. 364-550.000.
Kramer, Leslie D. Steam turbine blade anti-erosion shield and method of turbine blade repair. 4,842,663, 6-27-89, Cl. 156-98.000.
Kramer, Linda S., to Henkel Corporation. Zinc phosphate coating process. 4,865,653, 9-12-89, Cl. 204-38.100.
Kramer, Manfred: *See—*
  Guntert, Josef; Hafele, Walter; and Kramer, Manfred, 4,850,823, Cl. 417-499.000.
  Hafele, Walter; Kramer, Manfred; and Warga, Johann, 4,842,497, Cl. 417-499.000.
  Rieger, Werner; Kramer, Manfred; and Schlossarczyk, Heinrich, 4,875,503, Cl. 137-856.000.
Kramer, Michael: *See—*
  Abthoff, Jorg; Fortnagel, Manfred; Fricker, Ludwig; Kutschera, Immanuel; Kramer, Michael; and Kuhn, Michael, 4,836,161, Cl. 123-299.000.
Kramer Music Products, Inc.: *See—*
  Boyce, Timothy, 4,795,030, Cl. 206-314.000.
Kramer, Pieter; and Roos, Jan, to U.S. Philips Corporation. Record carrier body with a follow-on track and apparatus for recording information thereon. 4,807,209, 2-21-89, Cl. 369-44.000.
Kramer, Richard: *See—*
  Koehler, Philip G.; Kramer, Richard; and Patterson, Richard S., 4,857,532, Cl. 514-262.000.
Kramer, Robert H.; and Koons, Roger R., to Goodyear Tire & Rubber Company, The. Hydraulically damped anti-vibration mount with a flexible flap as a dynamic rate inhibitor. 4,836,513, 6-6-89, Cl. 267-140.100.
Kramer, Roland; and Neumaier, Robert, to Heyko Reinecker. Canned motor pump. 4,838,763, 6-13-89, Cl. 417-63.000.
Kramer, Stefan; and Aschenbrenner, Georg. Tandem charge projectile. 4,803,928, 2-14-89, Cl. 102-476.000.
Kramer, Stuart C.: *See—*
  Disselkoen, Allen D., Jr.; Gargiulo, Robert F.; Haywood, James E.; Heise, Keith H.; Holcomb, Darrell H.; Kramer, Stuart C.; Miller, Gregory R.; Nicholson, Jeffrey S.; Olinger, Jeffrey J.; and Spenny, Curtis H., 4,877,202, Cl. 244-122.00A.
Kramer, Timothy A.; and Kramer, Kent M. Method and apparatus for removing liquid from permeable material. 4,818,415, 4-4-89, Cl. 210-748.000.
Kramer, Vance M., Jr. System for exhausting fumes from residential garages. 4,796,520, 1-10-89, Cl. 98-115.400.
Kramer, Vance M., Jr. End adaptor for flexible corrugated tube. 4,804,019, 2-14-89, Cl. 138-109.000.
Kramer, Victor: *See—*
  Haney, Glen K.; and Kramer, Victor, 4,813,944, Cl. 604-358.000.
Kramer, Walter, to Schott Glaswerke. Method for mounting an armature of plastic material to a jar of frangible material 4,854,992, 8-8-89, Cl. 156-212.000.
Kramer, William E., to Xerox Corporation. Stapler actuation. 4,830,256, 5-16-89, Cl. 227-124.000.
Kramer, William E.; Forward, John E.; and Tracy, Michael J., to Xerox Corporation. Apparatus for automatically rolling up media sheets. 4,838,497, 6-13-89, Cl. 242-67.200.
Kramer, Wolfgang; Weissmuller, Joachim; Reiser, Wolf; Berg, Dieter; Brandes, Wilhelm; and Reinecke, Paul, to Bayer Aktiengesellschaft. Fungicidal agents. 4,826,857, 5-2-89, Cl. 514-326.000.
Kramer, Wolfgang; Weissmuller, Joachim; Reinecke, Paul; and Hanssler, Gerd, to Bayer Aktiengesellschaft. Saccharine salts of substituted hydroxypropylamines, compositions and use. 4,845,098, 7-4-89, Cl. 514-238.800.
Kramer, Wolfgang; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, to Bayer Aktiengesellschaft. Dichlorocyclopropylalkyl-hydroxyalkyl azole derivatives. 4,847,278, 7-11-89, Cl. 514-383.000.
Kramer, Wolfgang; Weissmuller, Joachim; Berg, Dieter; and Dutzmann, Stefan, to Bayer Aktiengesellschaft. Aminomethyl heterocyclic compounds. 4,851,405, 7-25-89, Cl. 514-212.000.
Kramer, Wolfgang: *See—*
  Brandes, Wilhelm; Kaspers, Helmut; Reinecke, Paul; Scheinpflug, Hans; and Kramer, Wolfgang, 4,888,349, Cl. 514-383.000.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,795,097, Cl. 239-585.000.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,807,846, Cl. 251-129.150.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,813,599, Cl. 239-456.000.
  Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,826,082, Cl. 239-113.000.
  Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; and Brandes, Wilhelm, 4,843,088, Cl. 514-383.000.
  Holmwood, Graham; Kramer, Wolfgang; Buchel, Karl H.; and Plempel, Manfred, 4,843,089, Cl. 514-383.000.
  Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.
  Jelich, Klaus; Gayer, Herbert; Kramer, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,874,424, Cl. 71-105.000.
  Kaulen, Johannes; Arlt, Dieter; Holmwood, Graham; and Kramer, Wolfgang, 4,855,438, Cl. 548-262.000.
  Weissmuller, Joachim; Kramer, Wolfgang; Reinecke, Paul; and Hanssler, Gerd, 4,826,836, Cl. 514-212.000.
Kramp, Stephen F.: *See—*
  Elson, John P.; and Kramp, Stephen F., 4,836,758, Cl. 418-55.000.
Kran-Nielsen, Mogens P.: *See—*
  Hansen, Erik T.; Kran-Nielsen, Mogens P.; and Von Daehne, Welf, 4,847,266, Cl. 514-310.000.
Krane, Leonard, to K-Pay Entertainment, Incorporated. Apparatus and method for learning about the relationships and personalities of a group of two or more persons. 4,815,976, 3-28-89, Cl. 434-237.000.
Kranefeld, Andreas; and Temburg, Josef, to Trutzschler GmbH & Co. KG. Method and apparatus for opening fiber bales. 4,796,335, 1-10-89, Cl. 19-80.00R.
Kranefeld, Andreas: *See—*
  Hosel, Fritz; Kranefeld, Andreas; and Temburg, Josef, 4,813,615, Cl. 241-30.000.
Kraner, James L.: *See—*
  Dougherty, Lawrence W.; and Kraner, James L., 4,840,596, Cl. 445-30.000.
Kraning, Calvin J.: *See—*
  Nystuen, Paul A.; Batcheller, Barry D.; Brekkestran, Kevin L.; and Kraning, Calvin J., 4,802,545, Cl. 180-135.000.
Kranis, Daniel, Jr., to Dana Corporation. Spacer tube matrix. 4,863,214, 9-5-89, Cl. 296-203.000.
Krankkala, Paul L.: *See—*
  Murdock, Thomas O.; and Krankkala, Paul L., 4,826,719, Cl. 428-182.000.
Kransco: *See—*
  Harrod, Lawrence R.; and Siebern, Michael R., 4,802,372, Cl. 74-325.000.
  Harrod, Lawrence R.; and Siebern, Michael R., 4,823,632, Cl. 74-342.000.
Kransco Manufacturing, Inc.: *See—*
  Geller, Douglas A.; Schneider, Stephen E.; and Holbrook, William C., 4,805,546, Cl. 114-132.000.
Krantz, Alexander; and Young, John M., to Syntex Inc. Novel use for carbamoyl benzoates. 4,873,232, 10-10-89, Cl. 514-159.000.
Krantz, Jeremy J. Wheeled ski. 4,805,936, 2-21-89, Cl. 280-842.000.
Krantz, Nicolas: *See—*
  Fontanille, Michel; Krantz, Nicolas; Gautier, Jean-Claude; and Raynal, Serge, 4,845,153, Cl. 525-105.000.
  Grossoleil, Jacques; Kappler, Patrick; and Krantz, Nicolas, 4,835,236, Cl. 526-345.000.
Krantz, Peter. Skiing simulator. 4,880,226, 11-14-89, Cl. 272-97.000.
Kranz, Curt; Zahedi, Amir; and Anapliotis, Emmanuel, to Mecron Medizinische Produkte GmbH. Bone implant. 4,842,606, 6-27-89, Cl. 623-23.000.
Kranz, Curt; and Anapliotis, Emmanuel, to Mecron medizinische Produkte GmbH. Modular assembly for a shaft prosthesis. 4,878,917, 11-7-89, Cl. 623-18.000.
Kranz, David M.: *See—*
  Saito, Haruo; Kranz, David M.; Eisen, Herman N.; and Tonegawa, Susumu, 4,873,190, Cl. 435-172.300.
  Saito, Haruo; Kranz, David M.; Eisen, Herman N.; and Tonegawa, Susumu, 4,874,845, Cl. 530-395.000.
Kranz Incorporated: *See—*
  Tutas, Edward P.; and Passehl, Donald J., 4,818,329, Cl. 156-391.000.
Kranz, Ken E.: *See—*
  Leavitt, David D.; Kranz, Ken E.; Gorman, Greg A.; and Stewart, Norman L., Jr., 4,808,391, Cl. 423-321.00R.
Kranz, Walter, to Messerschmitt-Bolkow-Blohm GmbH. Apparatus for controlling a projectile. 4,852,827, 8-1-89, Cl. 244-3.220.
Kranzeder, Josef: *See—*
  Andrees, Gerhard; Kranzeder, Josef; and Vogel, Wilhelm, 4,886,639, Cl. 419-28.000.

Kranzle, Josef. Pump unit. 4,810,169, 3-7-89, Cl. 417-63.000.

Krapez, Jean-Claude: *See*—

Cielo, Paolo; Krapez, Jean-Claude; Cole, Kenneth C.; and Vaudreuil, Ghislain, 4,874,948, Cl. 250-341.000.

Krapf, Michael A., to International Chimney Corporation. Light assembly for a smokestack or the like. 4,835,662, 5-30-89, Cl. 362-145.000.

Krapf, Rudolf: *See*—

Harbach, Friedrich; Knodler, Reinhard; Krapf, Rudolf; Mennicke, Stefan; and Weiler, Ludwig, 4,800,143, Cl. 429-153.000.

Krapfenbauer, Hans, to Ernst Grob AG. Method of fabricating a rim gear, such as a starter rim gear made of sheet metal. 4,796,345, 1-10-89, Cl. 29-159.200.

Krapowicz, Jacob: *See*—

Spilman, Raymond; Krapowicz, Jacob; and Fowler, Alvin, 4,807,872, Cl. 272-86.000.

Krasicky, Stephen, Jr., to Facet Enterprises, Inc. Multi layered thermal insulating piston cap. 4,863,807, 9-5-89, Cl. 428-593.000.

Krasij, Bohdan, to Carlingswitch, Inc. Circuit breaker housing with centered actuator. 4,812,793, 3-14-89, Cl. 335-8.000.

Krasik, Michael H. Low cost collating method. 4,865,3[illegible], 9-12-89, Cl. 271-213.000.

Krasilnikov, Sergei B.: *See*—

Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasilnikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A., 4,817,120, Cl. 378-45.000.

Krasinski, Jerzy S.: *See*—

Band, Yehuda B.; Heller, Donald F.; Krasinski, Jerzy S.; and Ackerhalt, Jay R., 4,829,528, Cl. 372-3.000.

Kraska, Allen R.: *See*—

Hoffman, William W.; and Kraska, Allen R., 4,808,597, Cl. 514-311.000.

Kraska, Robert E.: *See*—

Lessar, Joseph F.; Rosenberg, Duane L.; Kraska, Robert E.; Speckien, James M.; and Upton, James E. 4,860,446, Cl. 29-858.000.

Kraske, Bernhard, to Gutermann & Co. AG. Dispenser such as a sales stand for articles such as reels spools or bobbins of sewing thread, yarn, etc. 4,830,561, 5-16-89, Cl. 414-276.000.

Kraske, Bernhard, to Gutermann & Co. AG. Optical transmitting and receiving device for the contact-free reading of marks. 4,833,336, 5-23-89, Cl. 250-566.000.

Krasko, Zeya: *See*—

Keeffe, William M.; Krasko, Zeya; Karlotski, Robert J.; and Morris, James C., 4,859,899, Cl. 313-25.000.

Krasko, Zeya K.; and Keeffe, William M., to GTE Products Corporation. Metal halide discharge lamp for plant growing. 4,825,127, 4-25-89, Cl. 313-638.000.

Krasko, Zeya K.: *See*—

Keeffe, William M.; and Krasko, Zeya K., 4,890,030, Cl. 313-25.000.

Krasner, Gary N.; and Berkman, John W., to Cooper Companies, Inc., The. Corneal vacuum trephine system. 4,796,623, 1-10-89, Cl. 128-305.000.

Krasner, Gary N., to CooperVision, Inc. Instrument for manipulating compressible intraocular lenses. 4,836,202, 6-6-89, Cl. 128-303.00R.

Krasner, Paul R., to Biological Rescue Products, Inc. Method and apparatus for preserving and reimplanting a tooth. 4,802,853, 2-7-89, Cl. 433-215.000.

Krasnick, Steven J.: *See*—

Altman Robbins, Clara J.; and Krasnick, Steven J., 4,825,572, Cl. 40-152.100.

Krasnor, Stephen: *See*—

Kaufman, Leon; Arakawa, Mitsuaki; McCarten, Barry M.; Fehn, John H.; and Krasnor, Stephen, 4,881,034, Cl. 324-318.000.

Krasnov, Igor; Calk, Henry D., Jr.; Jones, Taylor L.; and McDougal, Billy L., to Vetco Gray Inc. Gate type kelly cock valve. 4,795,128, 1-3-89, Cl. 251-62.000.

Krasnov, Igor; and Moses, John K., to Vetco Gray Inc. Break-out joint with selective disabler. 4,830,121, 5-16-89, Cl. 175-57.000.

Krasnov, Igor: *See*—

Wetch, Stephen B.; Goris, Gregory A.; and Krasnov, Igor, 4,875,529, Cl. 173-163.000.

Krasnova, Margarita A.: *See*—

Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.

Krass, James E., Jr.; and Neely, James F. Vehicle computer diagnostic interface apparatus. 4,853,850, 8-1-89, Cl. 364-200.000.

Krasser, Fritz; and Pietsch, Erhard, to Ellenberger & Poensgen GmbH. Overload protection switch. 4,814,738, 3-21-89, Cl. 337-66.000.

Krastel, Hermann: *See*—

Gehrung, Hartmut; Krastel, Hermann; and Kirchhuebel, Rainer, 4,798,458, Cl. 351-242.000.

Krasuk, Julio: *See*—

Kretschmar, Klaus; Merz, Ludwig; Niemann, Klaus; Guitian, Jose; Krasuk, Julio; and Marruffo, Franzo, 4,851,107, Cl. 208-108.000.

Krasuski, Marek; Gregoire, Jean-Pierre; and Gerbaud, Claude, to SMH Alcatel. Label dispenser and a franking machine equipped with said dispenser. 4,840,696, 6-20-89, Cl. 156-353.000.

Kratky, Zdenek; and Vadehra, Dharam V., to Nestec S.A. Stabilization of color of green vegetables. 4,810,512, 3-7-89, Cl. 426-270.000.

Kratochvil, Paul P.: *See*—

Bures, Milan; Kratochvil, Paul P.; and Rowlette, John R., 4,855,590, Cl. 250-221.000.

Kratochwill, William L.: *See*—

Givens, Joe C.; Stevenson, William L.; Moses, Darcy; Kratochwill, William L.; and Anderson, George E., 4,869,910, Cl. 426-467.000.

Kratochwilla, Hans-Michael, to Siemens Aktiengesellschaft. Control valve device for a dental device. 4,801,265, 1-31-89, Cl. 433-98.000.

Kratz, Bernhard: *See*—

Fiedler, Kurt; and Kratz, Bernhard, 4,802,414, Cl. 102-206.000.

Kratz, Gerhard, to Siemens Aktiengesellschaft. Apparatus for the low-loss wiring of the semiconductor switching elements of a three-level inverter. 4,855,893, 8-8-89, Cl. 363-136.000.

Kratz, Jay L.: *See*—

Hargrove, Homer G.; and Kratz, Jay L., 4,817,857, Cl. 228-183.000.

Kratzer, Dean J.: *See*—

Henley, Francois G.; Choi, Hee-June; Kratzer, Dean J.; and Barr, Maurice R., 4,875,006, Cl. 324-158.00R.

Kratzer, Werner: *See*—

Kefer, Volker; Kratzer, Werner; and Reitbacher, Franz, 4,829,831, Cl. 73-861.020.

Kraul, Douglas R.; and Cox, Stuart A., to Hayes Microcomputer Products, Inc. Message buffer with improved escape sequence and automatic document marking. 4,852,045, 7-25-89, Cl. 364-900.000.

Krauland, Konrad L. Method and apparatus for braiding three-dimensional fabrics. 4,881,444, 11-21-89, Cl. 87-[illegible].000.

Kraus, Charles E.; and Lohr, Charles B., to Excelermatic Inc. Adiabatic internal combustion engine. 4,800,853, 1-31-89, Cl. 123-193.0CP.

Kraus, Charles E., to Excelermatic Inc. Hydraulic control arrangement for an infinitely variable transmission drive. 4,830,578, 5-16-89, Cl. 417-223.000.

Kraus, Charles E., to Excelermatic Inc. Traction roller transmission. 4,846,008, 7-11-89, Cl. 74-798.000.

Kraus, Charles E., to Excelermatic Inc. Infinitely variable traction roller transmission. 4,858,484, 8-22-89, Cl. 74-200.000.

Kraus, Charles E., to Excelermatic Inc. Multimode infinitely variable transmission. 4,885,955, 12-12-89, Cl. 74-691.000.

Kraus, Charles J.; and Wu, Leon L., to International Business Machines Corporation. Interposer chip technique for making engineering changes between interconnected semiconductor chips. 4,803,595, 2-7-89, Cl. 361-412.000.

Kraus, Friedrich: *See*—

Diem, Hans; Kraus, Friedrich; Matthias, Guenther; Maurer, Bruno; and Wittmann, Otto, 4,814,422, Cl. 528-230.000.

Kraus, Hans A., to Imperial Chemical Industries plc. Therapeutic agents containing tamoxifen and salts thereof. 4,851,433, 7-25-89, Cl. 514-648.000.

Kraus, James R.; and Rothacker, Eugen O., to Handy & Harman Automotive Group, Inc. Self-adjusting brake mechanism. 4,819,501, 4-11-89, Cl. 74-538.000.

Kraus, Jeffrey L.: *See*—

Taylor, Charles S.; Abrams, Robert M.; Messner, Kirsten L.; Hess, Beverly; Mar, Craig E.; Kraus, Jeffrey L.; and Guthrie, Linda T. 4,827,941, Cl. 128-657.000.

Kraus, John H. Explosives detection system for an aircraft. 4,866,4[illegible], 9-12-89, Cl. 340-945.000.

Kraus, Menahem: *See*—

Pemawansa, Kariyawasam P. W.; Heisler, Mark; and Kraus, Menahem, 4,824,870, Cl. 521-53.000.

Kraus, Menahem A.; and Tran, Chinh N., to Monsanto Company. Composite fluid separation membranes. 4,806,189, 2-21-89, Cl. 156-155.000.

Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, to Siemens Aktiengesellschaft. Digital amplifier configuration in integrated circuits. 4,803,386, 2-7-89, Cl. 307-530.000.

Kraus, Rainer, to Siemens Aktiengesellschaft. Integrable evaluating circuit. 4,841,180, 6-20-89, Cl. 307-530.000.

Kraus, Rainer: *See*—

Hoffmann, Kurt; Kraus, Rainer; and Kowarik, Oskar, 4,855,621, Cl. 371-20.000.

Hoffmann, Kurt; Oberle, Hans-Dieter; Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, 4,885,748, Cl. 371-21.300.

Kraus, Reinhold: *See*—

Beckermann, Bernhard; Dell, Hans-Dieter; Horstmann, Harald; and Kraus, Reinhold, 4,871,767, Cl. 514-536.000.

Kraus, Richard B., to General Kinematics Corporation. Inclined vibratory conveyor. 4,844,236, 7-4-89, Cl. 198-690.200.

Kraus, Robert D.; and Nemcovsky, Rhonda L., to GTE Products Corporation. Electrical connector with compliant section. 4,826,4[illegible], 5-2-89, Cl. 439-751.000.

Kraus, Robert P., Jr.; and Davison, Peter E., to Eastman Kodak Company. Apparatus for sensing of mass in baths. 4,825,688, 5-2-89, Cl. 73-61.00R.

Kraus, Stephen A.: *See*—

Abkowitz, Stanley; Heussi, Harold L.; Ludwig, Harold P.; and Kraus, Stephen A., 4,852,531, Cl. 123-188.0AA.

Kraus, Thomas J., to Frommelt Industries, Inc. Roll-up door. 4,887,6[illegible], 12-19-89, Cl. 160-265.000.

Kraus, Uwe E., to U.S. Philips Corporation. Encoding or decoding circuit for time division multiplex and simultaneous signals. 4,797,8[illegible], 1-10-89, Cl. 370-109.000.

Kraus, Uwe E., to U.S. Philips Corporation. Picture display device including a field number conversion circuit. 4,851,907, 7-25-89, Cl. 358-140.000.

Kraus, Willibald, to TRW United Carr GmbH. Closure cover of plastic. 4,801,040, 1-31-89, Cl. 220-307.000.

Kraus, Willibald, to TRW United Carr GmbH. Plastic holding device. 4,859,129, 8-22-89, Cl. 411-512.000.

Kraus, Willibald, to TRW United Carr GmbH. Plastic holding element. 4,881,705, 11-21-89, Cl. 248-74.200.

Kraus, Wolfgang: *See*—

Schubert, Klaus; Schmidt, Werner; Watzek, Gerhard; Koch, Erich; John, Herbert; and Kraus, Wolfgang, 4,813,736, Cl. 296-190.000.

Krause, A. Frank, Jr. Electric fixture adapter with parallel screw threaded sockets. 4,835,748, 5-30-89, Cl. 362-249.000.

Krause, Alan E., II; and Willett, Russell G., to Cherubini, Jack. Row bar-actuated land vehicle. 4,886,287, 12-12-89, Cl. 280-246.000.

Krause, Andrew W.; Marianik, Charles G.; and Kovach, Ronald J., to Photon Technology International, Inc. Dual-wavelength spectrophotometry system. 4,795,256, 1-3-89, Cl. 356-320.000.

Krause, Axel: *See*—

Popovic, Radivoje; and Krause, Axel, 4,829,352, Cl. 357-27.000.

Krause, Barbara A.: *See*—

Krause, Thomas S., deceased, 4,836,582, Cl. 285-158.000.

Krause, Barbara A., executor: *See*—

Krause, Thomas S., deceased, 4,836,582, Cl. 285-158.000.

Krause, Bernd, to Linde Aktiengesellschaft. Multi-cylinder hydraulic piston device, a cylinder therefor, and its method of making. 4,799,419, 1-24-89, Cl. 91-499.000.

Krause, Brian R., to Warner-Lambert Company. Lipid regulating compositions. 4,859,703, 8-22-89, Cl. 514-543.000.

Krause, Daniel F., Sr.: *See*—

Ziegler, John H.; Oakley, Gerald R.; and Krause, Daniel F., Sr., 4,842,319, Cl. 296-91.000.

Krause, Dietrich: *See*—

Schmitt, Herbert; Krause, Dietrich; and Winkler, Helmut, 4,821,413, Cl. 29-883.000.

Krause, Edward A., to General Instrument Corporation. Progressive scan display of video derived from film. 4,881,125, 11-14-89, Cl. 358-141.000.

Krause, Elke: *See*—

Ballschuh, Detlef; Seibt, Horst; Ohme, Roland; Rusche, Jochen; Gruendemann, Egon; and Krause, Elke, 4,877,885, Cl. 548-570.000.

Krause, Gary L. Roof panel locking system. 4,807,414, 2-28-89, Cl. 52-478.000.

Krause, Guenter, to Bayerische Motoren Werke A.G. Closure device in motor vehicles. 4,817,813, 4-4-89, Cl. 220-86.00R.

Krause, Hans; Ross, Rudi; and Koch, Helmut, to Leybold Aktiengesellschaft. Friction bearing system for a rapidly rotating shaft. 4,872,769, 10-10-89, Cl. 384-226.000.

Krause, Hans: *See*—

Henneken, Bernhard; Kammerling, Bruno; Scholz, Eckhard-K.; Schroder, Wolfgang; and Krause, Hans, 4,878,655, Cl. 266-184.000.

Henneken, Bernhard; Kammerling, Bruno; Scholz, Eckhard-K.; Schroeder, Wolfgang; and Krause, Hans, 4,881,869, Cl. 414-786.000.

Krause, Horst-Herbert; and Lemme, Werner, to Kloeckner-Humboldt-Deutz AG. Centrifugal weight support. 4,834,046, 5-30-89, Cl. 123-364.000.

Krause, Horst-Herbert: *See*—

Hilker, Dieter; and Krause, Horst-Herbert, 4,794,884, Cl. 123-41.790.

Krause, Horst-Juergen, to Henkel Kommanditgesellschaft auf Aktien. Process for the production of 2-benzyl fatty acids. 4,833,247, 5-23-89, Cl. 544-171.000.

Krause, Horst-Juergen: *See*—

Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.

Krause, James N., to Seagate Technology, Inc. Stepper motor data recovery method using a magnetic hysteresis based stepping algorithm. 4,812,928, 3-14-89, Cl. 360-78.080.

Krause, Janusz J. H.; Smith, Peter J.; and Woolhouse, Robin A., to Imperial Chemical Industries PLC. Production of stretched ion-exchange membrane. 4,873,046, 10-10-89, Cl. 264-288.400.

Krause, Jeffrey J., to Allied-Signal Inc. Electropneumatic jumper cable connectors. 4,842,532, 6-27-89, Cl. 439-174.000.

Krause, Joachim; Romer, Michael; Pohl, Ludwig; Scheuble, Bernhard; and Weber, Georg, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Fluorine-containing pyrimidine derivatives. 4,812,258, 3-14-89, Cl. 252-299.610.

Krause, Joachim; Wachtler, Andreas; Reiffenrath, Volker; Scheuble, Bernhard; and Hittich, Reinhard, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Nitrogen-containing heterocyclic esters. 4,820,839, 4-11-89, Cl. 544-316.000.

Krause, Joachim; Eidenschink, Rudolf; Bofinger, Klaus; Scheuble, Bernhard; and Geelhaar, Thomas, to Merck Patent Gesellschaft mit Beschrankter Haftung. Nitrogen-containing heterocycles. 4,834,904, 5-30-89, Cl. 252-299.010.

Krause, Joachim; Wachtler, Andreas; Scheuble, Bernhard; and Weber, Georg, to Merck Patent Gesellschaft Mit Beschrankter Haftung. Heterocyclic liquid crystal compounds. 4,853,149, 8-1-89, Cl. 252-299.610.

Krause, Joachim; Reiffenrath, Volker; Scheuble, Bernhard; and Weber, Georg, to Merck Patent Gesellschaft mit Beschrankter Haftung. Bicyclooctane derivatives. 4,867,904, 9-19-89, Cl. 252-299.620.

Krause, Joachim; Reiffenrath, Volker; and Geelhaar, Thomas, to Merck Patent Gesellschaft mit Beschrankter Haftung. Esters in ferroelectric mixtures. 4,871,472, 10-3-89, Cl. 252-299.650.

Krause, Joachim; Wachtler, Andreas; Scheuble, Bernard; and Weber, Georg, to Merck Patent Gesellschaft mit Beschrankter Haftung. Cyclopentane derivatives. 4,873,019, 10-10-89, Cl. 252-299.610.

Krause, Joachim: *See*—

Eidenschink, Rudolf; Krause, Joachim; and Fuss, Peter, 4,818,431, Cl. 252-299.610.

Eidenschink, Rudolf; Krause, Joachim; Andrews, Beatrice M.; Gray, George W.; and Carr, Neil, 4,834,905, Cl. 252-299.610.

Eidenschink, Rudolf; Krause, Joachim; Hittich, Reinhard; Poetsch, Eike; Scheuble, Bernhard; Weber, Georg; and Pohl, Ludwig, 4,882,082, Cl. 252-299.610.

Hopf, Reinhard; Scheuble, Bernhard; Wachtler, Andreas; Hittich, Reinhard; Eidenschink, Rudolf; Geelhaar, Thomas; Krause, Joachim; and Reiffenrath, Volker, 4,886,620, Cl. 252-299.610.

Reiffenrath, Volker; Krause, Joachim; Geelhaar, Thomas; Eidenschink, Rudolf; Kurmeier, Hans-Adolf; Poetsch, Eike; Scheuble, Bernhard; and Weber, Georg, 4,871,469, Cl. 252-299.610.

Scheuble, Bernhard; Weber, Georg; and Krause, Joachim, 4,818,428, Cl. 252-299.100.

Wachtler, Andreas; Krause, Joachim; Eidenschink, Rudolf; and Weber, Georg, 4,871,470, Cl. 252-299.630.

Weber, Georg; Scheuble, Bernhard; and Krause, Joachim, 4,877,547, Cl. 252-299.610.

Krause, Ludwig. Mechanical servo unit. 4,856,359, 8-15-89, Cl. 74-110.000.

Krause, Matthias R., to U.S. Philips Corporation. Load cell. 4,838,372, 6-13-89, Cl. 177-211.000.

Krause, Matthias R., to U.S. Philips Corporation. Load cell. 4,858,710, 8-22-89, Cl. 177-211.000.

Krause, Michael W.; and Windish, Willis E., to Caterpillar Inc. Countershaft transmission. 4,823,639, 4-25-89, Cl. 74-360.000.

Krause, Norbert: *See*—

Duerr, Wilhelm; Ingwersen, Hartwig; Krause, Norbert; and Oppelt, Ralph, 4,841,249, Cl. 324-318.000.

Krause, Outi: *See*—

Seppanen, Hanneli; and Krause, Outi, 4,814,309, Cl. 502-107.000.

Krause, Peter: *See*—

Bauch, Hartmut; Krause, Peter; Jost, Ulrike; Kersten, Ralf; Paquet, Volker; and Siefert, Wolfgang, 4,859,222, Cl. 65-3.120.

Krause, Richard J.; Lee, Jaw F.; and Breckenridge, Craig W., to Bio-Chem Technology. Optical probe mounting device. 4,803,365, 2-7-89, Cl. 250-461.200.

Krause, Stanley J., to Hughes Aircraft Company. Solar cell with integrated interconnect device and process for fabrication thereof. 4,849,028, 7-18-89, Cl. 136-201.000.

Krause, Stanley J., to Hughes Aircraft Company. Solar cell with integrated interconnect device and process for fabrication thereof. 4,854,975, 8-8-89, Cl. 136-262.000.

Krause, Thomas S., deceased (by Krause, Barbara A., executor), to Krause, Barbara A. Fluid coupling for engine. 4,836,582, 6-6-89, Cl. 285-158.000.

Krause, Werner: *See*—

Gonzalez, Rene-Andres A.; Emmerling, Winfried; Krause, Werner; Podola, Tore; and Neitzer, Klaus, 4,861,863, Cl. 528-408.000.

Krauska, Bernard J., to Orthokinetics, Inc. Device for converting a recliner chair to a recliner-lift chair. 4,852,939, 8-1-89, Cl. 297-71.000.

Krauskopf, Dale H.: *See*—

Aichele, William H.; Hopkins, James O., Jr.; and Krauskopf, Dale H., 4,856,850, Cl. 303-20.000.

Krauskopf, Joseph C., to Intel Corporation. Microprocessor breakpoint apparatus. 4,860,195, 8-22-89, Cl. 364-200.000.

Krauss, Andre; Martin, Harry; and Pszenny, Richard, to Hydrocosmetics, Inc. Cosmetic dispensing system. 4,871,262, 10-3-89, Cl. 366-160.000.

Krauss, Gerhard: *See*—

Busch, Dieter; Harless, Friedrich; and Krauss, Gerhard, 4,845,755, Cl. 381-68.000.

Krauss, Helmut: *See*—

Schneider, Christian; Doetsch, Hans P.; Krauss, Helmut; and Hofer, Hans, 4,819,432, Cl. 60-525.000.

Krauss, Helmuth: *See*—

Gunkel, Werner; and Krauss, Helmuth, 4,837,373, Cl. 422-56.000.

Joseph, Frank; Krauss, Helmuth; Muller, Peter; and Kreher, Klaus, 4,805,675, Cl. 141-302.000.

Krauss, Leonard. New and used oil filter container with used filter removing means. 4,865,727, 9-12-89, Cl. 210-168.000.

Krauss, Lutz, to Deutsche Forschungs- und Versuchsanstalt fur Luft- und Raumfahrt e.V. Method and apparatus for determining concentration. 4,835,393, 5-30-89, Cl. 250-373.000.

Krauss-Maffei A.G.: *See*—

Alstetter, Franz; and Hultsch, Guenther, 4,801,336, Cl. 134-32.000.

Ehrler, Ernst; Eichlseder, Martin; and Theiss, Edmund, 4,820,467, Cl. 264-161.000.

Fichlseder, Martin; and Preuss, Ingo, 4,880,587, Cl. 264-154.000.

Pollner, Juergen; Trummer, Gregor; and Moelzer, Peter, 4,836,734, Cl. 414-430.000.

Schlegl, Eugen, 4,842,346, Cl. 305-38.000.

Soechtig, Wolfgang, 4,854,713, Cl. 366-132.000.

Spoetzl, Markus, 4,871,492, Cl. 264-39.000.

Wohlrab, Walter, 4,824,255, Cl. 366-78.000.

Krauss, Mathias; and Schniek, Horst-Guenter, to Jenoptik Jena GmbH. Write-read circuit. 4,879,684, 11-7-89, Cl. 365-189.110.

Krauss, Olaf, to MTU Motoren- und Turbinen-Union Muenchen GmbH. Fluid seal having a divided ring disk. 4,817,970, 4-4-89, Cl. 277-25.000.

- Krauss, Owen T.; and Gruber, Norman G., to Western Atlas International, Inc. Tandem sampler actuation device. 4,799,389, 1-24-89, Cl. 73-863.310.
- Krauss, Rudolf: *See—*
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,795,097, Cl. 239-585.000.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,807,846, Cl. 251-129.150.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,813,599, Cl. 239-456.000.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,826,082, Cl. 239-113.000.
  - Hafner, Udo; Krauss, Rudolf; and Sauer, Rudolf, 4,800,912, Cl. 137-15.000.
- Krauss u. Reichert GmbH & Co. KG Spezialmaschinenfabrik: *See—*
  - Jung, Rolf; and Schweitzer, Walter, 4,803,781, Cl. 30-275.000.
  - Jung, Rolf; Buss, Albert; and Buchmann, Winfried, 4,874,157, Cl. 270-30.000.
- Krauss, Werner; and Wurster, Helmut, to Richard Wolf GmbH. Device for locating and disintegrating concretions in bodily cavities. 4,869,239, 9-26-89, Cl. 128-24.00A.
- Krauss, Werner: *See—*
  - Wurster, Helmut; and Krauss, Werner, 4,821,730, Cl. 128-660.030.
  - Wurster, Helmut; and Krauss, Werner, 4,888,746, Cl. 367-138.000.
- Krausse, Howard: *See—*
  - Eberbach, Steven J., 4,885,782, Cl. 381-186.000.
- Krauter, Allan I.; and Vivenzio, Robert L., to Welch Allyn, Inc. Elastomer-ePTFE biopsy channel. 4,875,468, 10-24-89, Cl. 128-3.000.
- Krauter, Allan I.: *See—*
  - Allred, Jimmie B., III; Kokosa, Richard A.; Krauter, Allan I.; and Newman, Richard W., 4,836,189, Cl. 128-6.000.
- Krauter, Erich: *See—*
  - Abou-Aly, Mohamed; Bohnacker, Eberhard; Kiefel, Bernhard; Gerhardy, Reinhard; Friedrich, Reinhard; and Krauter, Erich, 4,816,192, Cl. 261-130.000.
- Krauter, Heinrich; Schmedes, Albert; Mecke, Norbert; and Kuchenreuther, Wieland, to Pelikan Aktiengesellschaft. Method for fabricating thermo-inking ribbons for thermo-transfer printing, and thermo-inking ribbon obtained thereby. 4,820,551, 4-11-89, Cl. 427-146.000.
- Krautkremer, Franz, to Schottel-Werft Josef Becker GmbH & Co. KG. Drive mechanism particularly for flat-bottomed watercrafts. 4,838,821, 6-13-89, Cl. 440-40.000.
- Krautsack, Richard G., to Comark Merchandising, Inc. Mounting clip for dispensing sheet-like items. 4,839,977, 6-20-89, Cl. 40-658.000.
- Krautsack, Richard G.: *See—*
  - Boggess, Charles H.; and Krautsack, Richard G., 4,805,331, Cl. 40-651.000.
- Krautscheid, Josef: *See—*
  - Hammerl, Gunter; Lintner, Kurt; Krautscheid, Josef; and Klement, Johann, 4,870,546, Cl. 362-92.000.
- Krautzberger, Anni, administrator: *See—*
  - Sollinger, Hans-Peter; Fissmann, Hans-Joachim; Weisz, Hans; Krautzberger, Franz, deceased; and Woehrle, Albert, deceased, 4,834,018, Cl. 118-410.000.
- Krautzberger, Dieter, to Babcock BSH Aktiengesellschaft vormals Buttner-Schilde-Haas AG. Cylindrical cutter head. 4,850,406, 7-25-89, Cl. 144-230.000.
- Krautzberger, Franz, deceased: *See—*
  - Sollinger, Hans-Peter; Fissmann, Hans-Joachim; Weisz, Hans; Krautzberger, Franz, deceased; and Woehrle, Albert, deceased, 4,834,018, Cl. 118-410.000.
- Kravas, Helen A.: *See—*
  - Giliberg-LaForc, Gunilla E.; and Kravas, Helen A., 4,859,350, Cl. 252-8.900.
- Kravchenko, Valery I.: *See—*
  - Chervonenko, Alfred G.; Naduty, Vladimir P.; Morus, Vladimir L.; Kravchenko, Valery I.; and Lavrukhin, Viktor A., 4,879,024, Cl. 209-352.000.
- Kravchenko, Vladimir G., to Poltavsky Meditsinsky Stomatologichesky Institut. Medicinal preparation for individual prevention of venereal diseases and treatment of urogenital trichomoniasis. 4,801,444, 1-31-89, Cl. 424-45.000.
- Kraverath, Robert. Trap primer tail piece. 4,882,789, 11-28-89, Cl. 4-191.000.
- Kraverath, Robert G. Universal tail piece for installation in a water waste line. 4,811,431, 3-14-89, Cl. 4-191.000.
- Kravetz, Alan G., to Kollmorgen Corporation. Durable working matte-/glossy color standard and method of making same. 4,795,254, 1-3-89, Cl. 356-243.000.
- Kravitz, Fran K.: *See—*
  - Shay, Gregory D.; Kravitz, Fran K.; Brizgys, Peter V.; and Kersten, Mark A., 4,801,671, Cl. 526-214.000.
- Kravsow, Philip F.: *See—*
  - Larrabee, John R.; and Kravsow, Philip F., 4,820,117, Cl. 415-142.000.
- Kravtsov, Alexandr I.: *See—*
  - Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F.; Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Alexandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov, Mikhail I.; and Seredkin, Vladimir P., 4,827,767, Cl. 73-253.000.
- Krawczak, John A.: *See—*
  - Torok, Ernest J.; Krawczak, John A.; Fritz, Bernard S.; and Harvey, William A., 4,838,637, Cl. 350-96.180.
- Krawetz, Barton; and Celniker, Leo, to Lockheed Corporation. Propulsion system for a buoyant vehicle. 4,850,551, 7-25-89, Cl. 244-97.000.
- Krawietz, Stefan, to Zinser Textilmaschinen GmbH. Method of automatically exchanging spinning bobbin tubes in a spinning machine. 4,843,809, 7-4-89, Cl. 57-267.000.
- Krayer, Erich: *See—*
  - Leitz, Hermann; Krayer, Erich; and Kohler, Rudolf, 4,875,564, Cl. 192-45.100.
- Kraz, Vladimir: *See—*
  - Brint, Gary T.; Bungardt, Gabriele; Gedecke, Jerel C.; Harris, Robert L.; and Kraz, Vladimir, 4,876,712, Cl. 379-387.000.
  - Young, Robert F.; and Kraz, Vladimir, 4,879,746, Cl. 379-399.000.
- Krbechek, LeRoy: *See—*
  - Mattison, Phillip L.; Wirth, Ronald P.; Virnig, Michael J.; and Krbechek, LeRoy, 4,886,889, Cl. 548-497.000.
- Krch, Russell W.: *See—*
  - Englehardt, William H.; Keane, Martin A.; Svilans, Olgerts J.; and Krch, Russell W., 4,831,242, Cl. 235-382.000.
- Krchnak, Viktor; Krojidlo, Milan; and Mach, Otakar, to Spofa, spojene podniky pro zdravotnickou. Antigentic peptides and process for their preparation. 4,833,072, 5-23-89, Cl. 435-5.000.
- Krcova, Zuzana: *See—*
  - Sulc, Jiri; Krcova, Zuzana; and Vacik, Jiri, 4,806,287, Cl. 264-1.100.
  - Sulc, Jiri ; and Krcova, Zuzana, 4,834,753, Cl. 623-6.000.
- Krebs, Andreas: *See—*
  - Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Krebs, Andreas; Schwamborn, Michael; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,865,641, Cl. 71-90.000.
- Krebs, Arthur D.; and Guenette, Martin C. Grocery shopper organizer. 4,858,353, 8-22-89, Cl. 40-308.000.
- Krebs & Cie: *See—*
  - Szanto, Istvan, 4,844,801, Cl. 210-205 000.
- Krebs, Clemens, to Brueninghaus Hydraulik GmbH. Regulator for an adjustable hydrostatic machine. 4,810,171, 3-7-89, Cl. 417-218.000.
- Krebs, Helmut: *See—*
  - Fabian, Peter; Krebs, Helmut; and Simon, Heinrich, 4,855,032, Cl. 204-286.000.
- Krebs, James J.: *See—*
  - Jonker, Berend T.; Prinz, Gary A.; and Krebs, James J., 4,828,935, Cl. 428-642.000.
  - Krowne, Clifford M.; Prinz, Gary A.; and Krebs, James J., 4,862,119, Cl. 333-24.00R.
  - Prinz, Gary A.; Krebs, James J.; and Jonker, Berend T., 4,823,177, Cl. 357-27.000.
- Krebs, Jimmy M. Interlocking support system. 4,856,659, 8-15-89, Cl. 211-24.000.
- Krebs, Rolf; Welsing, Otto; Retzlaff, Friedhelm; Gunter, Friedhelm; Wahl, Hans-Jurgen; Gerber, Manfred; and Gross, Heinz, to Hoechst Aktiengesellschaft. Method and apparatus for continuous production of tubular bodies by means of laser longitudinal seam welding. 4,827,099, 5-2-89, Cl. 219-121.630.
- Kreckel, Karl W.: *See—*
  - Darvell, Wayne K.; Konsti, Patricia R.; Klingen, Jurgen; and Kreckel, Karl W., 4,855,170, Cl. 428-40.000.
- Kreeb, Reiner: *See—*
  - Schuster, Hans-Dieter; Noller, Christoph; Wollenraupt, Gottfried; Kreeb, Reiner; and Huss, Roland, 4,877,339, Cl. 384-218.000.
- Kreeger, Elsmer W., to Pinckney Molded Plastics, Inc. Stackable pie tray. 4,813,544, 3-21-89, Cl. 206-509.000.
- Kreeger, Elsmer W., to Pinckney Molded Plastics, Inc. Open-front two-level stacking container. 4,842,142, 6-27-89, Cl. 206-505.000.
- Kreevich, William J.: *See—*
  - Moscoe, Gerald F.; Matervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,828,014, Cl. 164-437.000.
  - Moscoe, Gerald F.; Mastervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,860,819, Cl. 164-437.000.
- Kreft, Anthony F., III: *See—*
  - Musser, John H.; Bender, Reinhold H. W.; and Kreft, Anthony F., III, 4,826,990, Cl. 548-203.000.
  - Musser, John H.; Kreft, Anthony F., III; and Bender, Reinhold H. W., 4,876,346, Cl. 546-172.000.
- Kreft, Bruce W. Truck body mount. 4,862,983, 9-5-89, Cl. 180-89.130.
- Kreft, Hans-Diedrich: *See—*
  - Mackenthun, Holger; and Kreft, Hans-Diedrich, 4,796,028, Cl. 340-825.580.
- Kreft, Keith A.; Dikopf, Michael; and Loewe, Thomas D., to Sun Electric Corporation. Method and apparatus for determining cylinder #1 power firing event in wasted spark ignition systems. 4,795,979, 1-3-89, Cl. 324-379.000.
- Kregness, Glen R.; and Quinton, Walter L., to Unisys Corporation. Multi-function scaler for normalization of numbers. 4,875,180, 10-17-89, Cl. 364-715.030.
- Kreher, Alfons; Nagel, Werner; Brandt, Bernd; and Peters, Albert, to Degussa Aktiengesellschaft. Process and apparatus for granulating powdery materials. 4,807,819, 2-28-89, Cl. 241-222.000.
- Kreher, Klaus: *See—*
  - Joseph, Frank; Krauss, Helmuth; Muller, Peter; and Kreher, Klaus, 4,805,675, Cl. 141-302.000.
- Kreher, Neal B.: *See—*
  - Timmons, Michael B.; and Kreher, Neal B., 4,822,630, Cl. 426-614.000.

  - Timmons, Michael B.; and Kreher, Neal B., 4,889,741, Cl. 426-614.000.
- Kreher, Peter-Jurgen: *See—*
  - Kuhn, Siegfried; and Kreher, Peter-Jurgen, 4,812,057, Cl. 384-42.000.
- Krehl, Gerhard; and Vogeler, Helmut, to SKF Textilmaschinen-Komponenten GmbH. Cable conduit for textile machines. 4,888,452, 12-19-89, Cl. 174-101.000.
- Kreibiehl, Guenter: *See—*
  - Graalmann, Onno; Kreibiehl, Guenter; Turznik, Gerhard; and Weber, Heinz, 4,885,206, Cl. 428-316.600.
- Kreider, Hans; and Mueller, Manfred, to Emhart Enterprises Corp. Weld stud. 4,799,842, 1-24-89, Cl. 411-171.000.
- Kreider, John W.; and Howett, Mary K. Methods for propagating fastidious human viruses and for producing purified suspensions thereof. 4,814,268, 3-21-89, Cl. 435-239.000.
- Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, to Richter Gedeon Vegveszeti Gyar Rt. Process for the preparation of nitrodiaryl sulfoxides. 4,831,194, 5-16-89, Cl. 568-36.000.
- Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, to Richter Gedeon Vegyeszeti Gyar Rt. Eburnamenine derivatives, pharmaceutical compositions and methods employing them and processes for their preparation. 4,839,362, 6-13-89, Cl. 514-283.000.
- Kreidl, Johann: *See—*
  - Unterstrasser, Eugen; and Kreidl, Johann, 4,863,359, Cl. 418-48.000.
- Kreienbuhl, Paul: *See—*
  - Bernhard, Kurt; Jaggli, Stephan; Kreienbuhl, Paul; and Schwieter, Ulrich, 4,883,887, Cl. 549-341.000.
- Kreifels, Jerry A.; and Hoekstra, George, to Intel Corporation. Leakage verification for flash EPROM. 4,841,482, 6-20-89, Cl. 365-185.000.
- Kreifels, Jerry A.; and Hoekstra, George, to Intel Corporation. Leakage verification for flash EPROM. 4,860,261, 8-22-89, Cl. 365-218.000.
- Kreighbaum, William E.: *See—*
  - Dennis, Ronald D.; Dolak, Terence M.; and Kreighbaum, William E., 4,849,527, Cl. 548-507.000.
- Kreikebaum, Gerhard: *See—*
  - Shofner, Frederick M.; Miller, Arthur C., Jr.; and Kreikebaum, Gerhard, 4,885,473, Cl. 250-574.000.
- Kreikle, Laurent; and Eason, Alfred A. Testing and adjusting tool for air brake cams. 4,864,900, 9-12-89, Cl. 81-119.000.
- Kreil, Dennis J.: *See—*
  - Hahn, Stephen F.; and Kreil, Dennis J., 4,831,172, Cl. 556-419.000.
- Kreiling, William H.; and Tower, William A., to Loctite Luminescent Systems, Inc. Infra-red emitting electroluminescent lamp structures. 4,857,416, 8-15-89, Cl. 428-690.000.
- Kreimer, Charles C.: *See—*
  - Green, F. Richard; and Kreimer, Charles C., 4,888,918, Cl. 49-501.000.
- Krein, Reuben, to BJK Industries, Inc. Seat cover inverter. 4,852,619, 8-1-89, Cl. 141-7.000.
- Krein, Reuben, to BJK Industries, Inc. Vacuum assisted method for installing a waterproof liner. 4,863,339, 9-5-89, Cl. 414-786.000.
- Kreinberg, Earl R.; and Polk, Roger N., to AMP Incorporated. Power connector with rotary cam for daughter card. 4,834,665, 5-30-89, Cl. 439-260.000.
- Kreinberg, Earl R., to AMP Incorporated. Wave crimp for flat power cable termination. 4,867,700, 9-19-89, Cl. 439-422.000.
- Kreinberg, Earl R.; and Polk, Roger N., to AMP Incorporated. Circuit panel assembly with elevated power buses. 4,869,673, 9-26-89, Cl. 439-64.000.
- Kreinberg, Earl R.: *See—*
  - Beinhaur, Ernest L.; Daly, John K.; Kreinberg, Earl R.; and Vinson, Paul, 4,834,673, Cl. 439-422.000.
  - Daly, John K.; and Kreinberg, Earl R., 4,859,204, Cl. 439-424.000.
  - Glover, Douglas W.; Granitz, Richard F.; Harner, Donald R.; Kreinberg, Earl R.; Vinson, Paul; Wanat, John W.; and Wolowicz, James P., 4,846,699, Cl. 439-64.000.
- Kreiner, James G., to General Tire, Inc. Method for improving rubber cure rates. 4,882,394, 11-21-89, Cl. 525-332.700.
- Kreinick, Stephen J.; and Blankenship, Larry K., to C. R. Bard, Inc. Method and apparatus for measuring specific gravity of a flowing liquid. 4,834,104, 5-30-89, Cl. 128-633.000.
- Kreisberg, Alan J.; and Prowler, Millard E., to Fuller Company. Apparatus for incinerating combustible material. 4,859,177, 8-22-89, Cl. 432-14.000.
- Kreisel, Rudolf: *See—*
  - Mankut, Ludwig; Blaesing, Horst; Kosikowski, Thomas; Meyer, Walter; and Kreisel, Rudolf, 4,828,878, Cl. 427-98.000.
- Kreiselmaier, Richard, to Dipl.-Ing. Ernst Kreiselmaier GmbH & Co. Wasser. Process for coating tube plates and similar parts of condenser, coolers, heat exchangers or the like with an anti-corrosion medium. 4,795,662, 1-3-89, Cl. 427-230.000.
- Kreiskorte, Heinz, to Thyssen Industrie AG. Apparatus for guiding the sensor holder of a surface testing apparatus. 4,855,678, 8-8-89, Cl. 324-262.000.
- Kreisner, William. Random lottery computer. 4,858,122, 8-15-89, Cl. 364-410.000.
- Kreiss, Eberhard: *See—*
  - Hohlein, Peter; Kreiss, Eberhard; Mory, Franz; and Riberi, Bernd, 4,798,859, Cl. 525-7.000.
  - Hohlein, Peter; Kreiss, Eberhard; Pedain, Josef; and Scholl, Hans-Joachim, 4,814,410, Cl. 528-74.500.
- Kreiss, Werner: *See—*
  - Simon, Michael; and Kreiss, Werner, 4,821,386, Cl. 29-149.50C.
- Kreisselmeier, Gerhard: *See—*
  - Kost, Friedrich; Van Zanten, Anton; Heess, Gerhard; and Kreisselmeier, Gerhard, 4,862,368, Cl. 364-426.020.
- Kreit, Erwin; and Ineichen, Hans. Toothbrush. 4,866,807, 9-19-89, Cl. 15-105.000.
- Kreitlow, Horst: *See—*
  - Will, Erich; Harms, Harry; Lullman, Johannes; Illgen, Edgar; Boseck, Siegfried; Schmidbauer, Georg; and Kreitlow, Horst, 4,806,746, Cl. 250-201.000.
- Kreitmair, Albert; and Nath, Gunther. Device for irradiating denture parts. 4,873,446, 10-10-89, Cl. 250-492.100.
- Kreitmeier, Franz, to BBC Brown Boveri AG. Axial flow turbine. 4,802,821, 2-7-89, Cl. 415-210.000.
- Kreitzer, Melvyn H., to Eastman Kodak Company. Compact wide-angle close-focus SLR zoom lens. 4,818,082, 4-4-89, Cl. 350-427.000.
- Kreitzer, Melvyn H.: *See—*
  - Betensky, Ellis I.; and Kreitzer, Melvyn H., 4,828,372, Cl. 350-427.000.
  - Betensky, Ellis I.; and Kreitzer, Melvyn H., 4,836,668, Cl. 350-427.000.
- Kreizman, Alexander: *See—*
  - Broadwin, Alan; Kreizman, Alexander; Puiam, Chana; Podany, Vaclav O.; and Emery, Leonard M., 4,827,911, Cl. 128-24.00A.
- Krejci, Heinrich; and Kessel, Rudi, to Sorg GmbH & Co. KG. Bottom tap of a glass melting furnace and method of operating the same. 4,872,897, 10-10-89, Cl. 65-128.000.
- Krekelberg, George. Dog leash attachment. 4,827,876, 5-9-89, Cl. 119-109.000.
- Krekels, Henricus C. J.; and Kuindersma, Pieter I., to U.S. Philips Corp. Distributed feedback laser with anti-reflection layer. 4,833,684, 5-23-89, Cl. 372-49.000.
- Krekker, Gennady Y.: *See—*
  - Kusov, Nikolai F.; Pshenichny, Valentin I.; Chakvetadze, Revaz A.; and Krekker, Gennady Y., 4,864,933, Cl. 102-312.000.
- Kreko, James E.: *See—*
  - Toutant, Roy T.; Perry, David S.; Brennan, Michael A.; Kreko, James E.; and Dilk, Mark A., 4,878,368, Cl. 72-9.000.
- Kremer, Bernard K.: *See—*
  - Royce, Ralph R.; Kremer, Bernard K.; and Bisio, Paul D., 4,889,643, Cl. 252-8.800.
- Kremer, Carl P., Jr., to Mallinckrodt, Inc. Method and apparatus for the diagnosis of respiratory diseases and allergies. 4,803,977, 2-14-89, Cl. 600-3.000.
- Kremer, Carl P., Jr.: *See—*
  - Burnett, Thomas W.; Clary, Thomas R.; Iannuzzelli, Vincent F.; and Kremer, Carl P., Jr., 4,880,989, Cl. 250-506.100.
- Kremer, Ingo: *See—*
  - Dorn, Karsten; Grosch, Peter; and Kremer, Ingo, 4,880,669, Cl. 427-210.000.
- Kremer, Leon V.; and Kieras, Ronald E., to Pittway Corporation. Liquid applicator device with tilt valve. 4,848,947, 7-18-89, Cl. 401-206.000.
- Kremer, Paul W., to PCR, Inc. Solvent composition for cleaning silicon wafers. 4,828,751, 5-9-89, Cl. 252-171.000.
- Kremer, Ross A.: *See—*
  - Anthes, Robert J.; Kremer, Ross A.; and Von Rosenberg, Susanne, 4,851,036, Cl. 75-2.000.
- Kremer, Siegfried: *See—*
  - Mattheck, Claus; and Kremer, Siegfried, 4,803,970, Cl. 124-23.00R.
- Kremer, Stephen R. Twisted cord actuator. 4,843,921, 7-4-89, Cl. 64-89.200.
- Kremer, Victor: *See—*
  - Lonardi, Emile; Kirchen, Michael; and Kremer, Victor, 4,827,689, Cl. 52-749.000.
- Kremli, Svetlana M.: *See—*
  - Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kuzovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I., 4,847,065, Cl. 424-5.000.
- Kremnitz, Harald: *See—*
  - Allgauer, Hans; Kremnitz, Harald; and Obersberger, Martin, 4,821,797, Cl. 165-141.000.
- Krempel, Harald: *See—*
  - Jundt, Werner; Krempel, Harald; and Moz, Rudolf, 4,831,992, Cl. 123-520.000.
- Krempf, Gerard: *See—*
  - Audry, Richard; Krempf, Gerard; and Perono, Jackie, 4,883,859, Cl. 528-484.000.
- Krempl, Peter W.: *See—*
  - Engel, Gunter; Krempl, Peter W.; List, Helmut; Posch, Uwe; and Nitsch, Alfred, 4,881,003, Cl. 310-311.000.
- Krenik, William R., to Texas Instruments Incorporated. Fast one way amplifier stage. 4,818,897, 4-4-89, Cl. 307-362.000.
- Krenik, William R., to Texas Instruments Incorporated. Asymmetric voltage monitor for series supplies. 4,839,633, 6-13-89, Cl. 340-661.000.
- Krenik, William R.; and Hsu, Wei-Chan, to Texas Instruments Incorporated. High-speed data latch with zero data hold time. 4,845,675, 7-4-89, Cl. 365-203.000.

Krenik, William R., to Texas Instruments Incorporated. Integrated dual-slope analog to digital converter with r/c variance compensation. 4,849,757, 7-18-89, Cl. 341-167.000.

Krenik, William R.; Hsu, Wei-chan; and Nail, Richard, to Texas Instruments Incorporated. Differential amplifier having extended common mode input voltage range. 4,887,048, 12-12-89, Cl. 330-258.000.

Krenik, William R.: *See—*
- Hsu, Wei-Chan; Krenik, William R.; and Hellums, James R., 4,797,631, Cl. 330-253.000.

Krenke, Vincent G.: *See—*
- Beauvais, Thomas; Krenke, Vincent G.; Lupoli, Peter J.; and Mattis, Donald J., 4,840,137, Cl. 116-227.000.

Krenkel, Bernhard; and Vohringer, Fritz, to F. Oberdorfer. Paper making wire. 4,832,090, 5-23-89, Cl. 139-383.00A.

Krenkel, Bernhard; and Joos, Heinz, to F. Oberdorfer GmbH & Co. KG Industriegewebe-Technik. Process of producing tension-proof, impermeable, flexible bands, in particular for presses to dewater fiber material webs. 4,859,396, 8-22-89, Cl. 264-311.000.

Krenkel, Bernhard; and Joos, Heinz, to F. Oberdorfer GmbH & Co. KG Industriegewebe-Technik. Method for the manufacture of dimensionally stable, liquid-impermeable, flexible press bands. 4,889,674, 12-26-89, Cl. 264-130.000.

Krenn, Andreas: *See—*
- Rollenitz, Leopold; Krenn, Andreas; Schmidt, Harald; and Freudenschuss, Otto, 4,852,535, Cl. 123-357.000.

Krenn, Karl D.: *See—*
- Fischer, Wolfgang; Arlt, Edda; and Krenn, Karl D., 4,851,352, Cl. 436-42.000.
- Fischer, Wolfgang; and Krenn, Karl D., 4,874,709, Cl. 436-42.000.

Krenn, Stephan: *See—*
- Gierse, Franz J.; Pabst, Manfred; Hermanns, Heinz; Ippers, Karl; Krenn, Stephan; Huppe, Friedrich; Opgenoorth, Carl H.; and Wolters, Conrad, 4,858,843, Cl. 242-65.000.

Krenner, Johann: *See—*
- Mueller, Karl-Heinz; Betz, Hans; Vach, Wilhelm; and Krenner, Johann, 4,856,037, Cl. 378-34.000.

Krenner, Manfred: *See—*
- Hagin, Faust; Drewitz, Hans; and Krenner, Manfred, 4,875,557, Cl. 188-79.550.

Krent, Edward D.; and Paffett, Nicholas B. Illuminated decorations for furnishings and other like structures. 4,843,524, 6-27-89, Cl. 362-127.000.

Krenz, Dean C.: *See—*
- Bossard, Ronald G.; Krenz, Dean C.; and Smith, Russell P., 4,805,979, Cl. 350-96.200.
- Rebers, Kenneth D.; Seim, William J.; and Krenz, Dean C., 4,857,672, Cl. 174-93.000.

Krenzel, Ronald L., to Delsey Luggage Company. Luggage handle. 4,838,396, 6-13-89, Cl. 190-18.00A.

Krenzer, Ulrich: *See—*
- Tikal, Franz; and Krenzer, Ulrich, 4,826,368, Cl. 408-225.000.

Krepski, Larry R.: *See—*
- Babirad, Stefan A.; Bacon, Fredrick; Heilmann, Steven M.; Krepski, Larry R.; Kuczma, Andrew S.; and Rasmussen, Jerald K., 4,852,969, Cl. 350-96.340.
- Heilmann, Steven M.; Rasmussen, Jerald K.; Krepski, Larry R.; Milbrath, Dean S.; and Coleman, Patrick L., 4,871,824, Cl. 526-304.000.
- Katritzksy, Alan R.; Swinson, Joel; Sakizadeh, Kumars; Rasmussen, Jerald K.; Krepski, Larry R.; and Heilmann, Steven M., 4,816,554, Cl. 528-210.000.
- Katritzky, Alan R.; Krepski, Larry R.; Rasmussen, Jerald K.; Heilmann, Steven M.; and Tarr, Richard D., 4,841,021, Cl. 528-407.000.
- Rasmussen, Jerald K.; Heilmann, Steven M.; Krepski, Larry R.; and Moren, Dean M., 4,874,822, Cl. 525-279.000.

Kresge, Charles T.: *See—*
- Chin, Arthur A.; Johnson, Ivy D.; Kresge, Charles T.; and Sarli, Michael S., 4,889,615, Cl. 208-113.000.

Kresge, Edward N.; and Hazelton, Donald R., to Exxon Chemical Patents Inc. Method for making composite films. 4,803,035, 2-7-89, Cl. 264-519.000.

Kresge, Edward N.; and Hazelton, Donald R., to Exxon Research & Engineering Company. Method for making free-flowing coated rubber pellets. 4,822,545, 4-18-89, Cl. 264-141.000.

Kresge Eye Institute: *See—*
- Jampel, Robert S.; and Shi, Dian X., 4,844,093, Cl. 128-303.00R.

Kresge, James S.; and Zaks, Gordon E., to General Electric Company. Method and apparatus for evaluating the condition of a gapless metal-oxide varistor lightning arrester used for protecting a distribution transformer. 4,803,436, 2-7-89, Cl. 324-549.000.

Kresge, James S., to General Electric Company. High-energy low-voltage surge arrester. 4,809,124, 2-28-89, Cl. 361-58.000.

Kreske, Kathi M.: *See—*
- Kafri, Oded; and Kreske, Kathi M., 4,854,708, Cl. 356-359.000.

Kresl, Hans: *See—*
- Pusch, Hermann; Zeller, Siegfried; Millionis, Konstantin; and Kresl, Hans, 4,889,323, Cl. 266-142.000.

Krespan, Carl G., to Du Pont de Nemours, E. I., and Company. Halogenated 1,3-dioxolanes and derivatives. 4,810,806, 3-7-89, Cl. 549-448.000.

Krespan, Carl G., to Du Pont de Nemours, E. I., and Company. Process for preparing polyfluoro γ-ketoesters and lactone isomers thereof. 4,822,897, 4-18-89, Cl. 549-313.000.

Krespan, Carl G., to Du Pont de Nemours, E. I., and Company. β-substituted polyfluoropropionate salts and derivatives. 4,851,161, 7-25-89, Cl. 552-10.000.

Kress Corporation: *See—*
- Kress, Edward S.; and Carpenter, Gene, 4,886,580, Cl. 202-228.000.
- Medley, Jackson C., 4,872,702, Cl. 280-708.000.

Kress, Dieter; and Haberle, Friedrich, to Napal Fabrik fur Prazisionswerkzeuge Dr. Kress KG. Rotary tool for outer working of rotation-symmetrical workpieces. 4,838,136, 6-13-89, Cl. 82-20.000.

Kress, Edward S.; and Carpenter, Gene, to Kress Corporation. Dry quenching coke box. 4,886,580, 12-12-89, Cl. 202-228.000.

Kress-elektrik GmbH & Co.: *See—*
- Kress, Willy, 4,821,415, Cl. 30-122.000.

Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, to Bayer Aktiengesellschaft. Thermoplastic moulding materials having good resistance to ageing and good low-temperature impact strength. 4,806,593, 2-21-89, Cl. 525-63.000.

Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, to Bayer Aktiengesellschaft. Ageing-resistant thermoplastic moulding materials of good impact strength. 4,812,515, 3-14-89, Cl. 525-69.000.

Kress, Hans-Jurgen; Wittmann, Dieter; Quiring, Bernd; Peters, Horst; and Schoeps, Jochen, to Bayer Aktiengesellschaft. Polycarbonate moulding composition with improved flow and processibility. 4,826,918, 5-2-89, Cl. 525-67.000.

Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, to Bayer Aktiengesellschaft. Thermoplastic polycarbonate moulding materials. 4,861,829, 8-29-89, Cl. 525-92.000.

Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, to Bayer Aktiengesellschaft. Thermoplastic polycarbonate moulding compositions. 4,879,342, 11-7-89, Cl. 525-67.000.

Kress, Hans-Jurgen: *See—*
- Buysch, Hans-Josef; Schon, Norbert; Eichenauer, Herbert; Kress, Hans-Jurgen; and Buekers, Josef, 4,839,421, Cl. 525-67.000.
- Buysch, Hans-Josef; Schon, Norbert; Kress, Hans-Jurgen; Eichenauer, Herbert; and Buekers, Josef, 4,883,835, Cl. 524-504.000.
- Damrath, Volker; Lindner, Christian; Kress, Hans-Jurgen; and Wittmann, Dieter, 4,859,740, Cl. 525-100.000.
- Damrath, Volker; Lindner, Christian; Kress, Hans-Jurgen; and Wittmann, Dieter, 4,861,831, Cl. 525-100.000.
- Wittmann, Dieter; Lindner, Christian; Kress, Hans-Jurgen; Peters, Horst; and Schoeps, Jochen, 4,804,708, Cl. 525-67.000.
- Wittmann, Dieter; Kress, Hans-Jurgen; Ott, Karl-Heinz; and Lindner, Christian, 4,866,123, Cl. 525-67.000.
- Wittmann, Dieter; Kress, Hans-Jurgen; Bottenbruch, Ludwig; Leitz, Edgar; and Peters, Horst, 4,882,381, Cl. 525-63.000.

Kress, Hermann: *See—*
- Gohring, Karl; and Kress, Hermann, 4,820,465, Cl. 264-119.000.

Kress, Kenneth: *See—*
- Chu, Mosi; Graziano, Anthony; and Kress, Kenneth, 4,840,504, Cl. 400-213.000.

Kress, Robert W., to Grumman Aerospace Corporation. Data processing system for a phased array antenna. 4,872,016, 10-3-89, Cl. 342-380.000.

Kress, Willy, to Kress-elektrik GmbH & Co. Conversion set for a portable circular saw. 4,821,415, 4-18-89, Cl. 30-122.000.

Kresse, Franz; and Scheller, Bernfrid, to Henkel Kommanditgesellschaft auf Aktien. Manual surface wiper assembly with handle and support therefor. 4,850,075, 7-25-89, Cl. 15-228.000.

Kresse, Franz: *See—*
- Osberghaus, Rainer; Kresse, Franz; and Scheller, Bernfrid, 4,863,299, Cl. 401-15.000.

Kressey, Matthew S.: *See—*
- Waldman, Myron R.; and Kressey, Matthew S., 4,863,145, Cl. 266-109.000.

Kressner, Bernhardt E.: *See—*
- Datta, Paul J.; Anderson, Gary C.; and Kressner, Bernhardt E., 4,801,494, Cl. 428-283.000.

Kresta, Harvey; and Ullmann, Ralph J., to Kaspar Wire Works, Inc. Triple price setter for totalizer coin mechanism. 4,828,097, 5-9-89, Cl. 194-227.000.

Krestyn, Karlheinz: *See—*
- Spiegel, Nikolaus; Krestyn, Karlheinz; and Blaser, Theobald, 4,879,513, Cl. 324-207.000.

Kreszta, Trajan: *See—*
- Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis, Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.

Kretchman, Gerald L., to Whirlpool Corporation. Toe panel retainer clip for dryer. 4,865,366, 9-12-89, Cl. 292-86.000.

Kreth, Norbert; Schmitt, Martin; and Stellwagen, Armin, to Mannesmann Rexroth GmbH. Control arrangement for at least two hydraulic consumers fed by at least one pump. 4,850,191, 7-25-89, Cl. 60-422.000.

Kreth, Norbert: *See—*
- Widmann, Karlheinz; Kreth, Norbert; Schmitt, Martin; and Stellwagen, Armin, 4,856,278, Cl. 60-423.000.

Kreth, Wolfgang; and Griebler, Wolf-Dieter, to Metallgesellschaft Aktiengesellschaft. Method of making a composite TiO_2 pigment. 4,885,034, 12-5-89, Cl. 106-449.000.

Kretow, Robert P.; and Powers, John W., to Essex Specialty Products, Inc. Reinforcing sheet for the reinforcement of panel and method of reinforcing panel. 4,803,105, 2-7-89, Cl. 428-40.000.

Kretow, Robert P.: *See—*
- Leuchten, William E.; and Kretow, Robert P., 4,803,108, Cl. 428-118.000.

Kretschmann, Heinz-Peter: *See—*
- Seen, Manfred; and Kretschmann, Heinz-Peter, 4,845,756, Cl. 381-77.000.

Kretschmar, Herbert C.: *See—*
- MacBrair, Clifford L., Jr.; Connor, Daniel S.; Kretschmar, Herbert C.; and Cleary, James A., 4,798,907, Cl. 562-583.000.

Kretschmar, Klaus; Merz, Ludwig; Niemann, Klaus; Guitian, Jose; Krasuk, Julio; and Marruffo, Franzo, to Veba OEL Entwicklungs-Gesellschaft mbH; and Intevep, S.A. Process for the hydrogenation of heavy and residual oils. 4,851,107, 7-25-89, Cl. 208-108.000.

Kretschmer, Helmut: *See—*
- Burst, Hermann; Durm, Jurgen; Kretschmer, Helmut; and Schuhmann, Georg, 4,889,382, Cl. 296-180.500.

Kretzmer, Paul D.: *See—*
- Begin, John D.; Berry, James E.; and Kretzmer, Paul D., 4,839,819, Cl. 364-483.000.

Kretzschmar, Rolf: *See—*
- Kropp, Rudolf; Thyes, Marco; Schlecker, Rainer; Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Traut, Martin; and Gries, Josef, 4,820,821, Cl. 544-224.000.
- Lehmann, Hans D.; Kretzschmar, Rolf; and Hahn, Klaus-Juergen, 4,798,811, Cl. 514-159.000.

Kreuch, Winfried: *See—*
- Wetzel, Rolf; Coenen, Hubert; and Kreuch, Winfried, 4,797,198, Cl. 208-181.000.

Kreuder, Hans-Joachim: *See—*
- Halpaap, Reinhard; Klein, Gerhard; Richter, Roland; Muller, Hanns P.; Pedain, Josef; and Kreuder, Hans-Joachim, 4,851,531, Cl. 544-222.000.

Kreuder, Willi; Neumann, Peter; Etzbach, Karl-Heinz; Sterzel, Hans-Josef; and Ringsdorf, Helmut, to BASF Aktiengesellschaft. Polymers which form liquid-crystalline phases. 4,865,762, 9-12-89, Cl. 252-299.010.

Kreuer, Karl D.: *See—*
- Krippl, Kurt; Kreuer, Karl D.; and Hoffmann, Erwin, 4,846,099, Cl. 118-323.000.

Kreuger, Frederik H.; and Van De Laar, Antonius M. F. J., to N.K.F.KABEL B.V. Multi-conductor high voltage cable, in particular three-conductor cable. 4,870,226, 9-26-89, Cl. 174-102.00R.

Kreusel, Ulrich. Cross-connector to two crossing tubular elements. 4,817,897, 4-4-89, Cl. 248-68.100.

Kreuter Manufacturing Co., Inc.: *See—*
- Kreuter, Paul E.; and Odegaard, Larry G., 4,794,847, Cl. 92-136.000.
- Kreuter, Paul E., 4,838,484, Cl. 236-49.300.
- Kreuter, Paul E., 4,855,545, Cl. 200-81.400.

Kreuter, Paul E.; and Odegaard, Larry G., to Kreuter Manufacturing Co., Inc. Rotary actuator. 4,794,847, 1-3-89, Cl. 92-136.000.

Kreuter, Paul E., to Kreuter Manufacturing Co., Inc. Variable volume air conditioning system with velocity readout at the thermostat. 4,838,484, 6-13-89, Cl. 236-49.300.

Kreuter, Paul E., to Kreuter Mfg. Co., Inc. Pneumatic to electrical switch assembly. 4,855,545, 8-8-89, Cl. 200-81.400.

Kreuter, Walter, to Linde Aktiengesellschaft. Cracking furnace with improved heat transfer to the fluid to be cracked. 4,819,586, 4-11-89, Cl. 122-235.00C.

Kreutz, Tomas: *See—*
- Johansson, Bengt-Goran; Kreutz, Tomas; and Olausson, Bengt, 4,823,526, Cl. 52-220.000.

Kreutzer, Karl; Simmat, Fritz; Steinkohl, Anton; and Englisch, Wolfgang, to Heraeus Quarzschmelze GmbH. Method of verifying a porous article made out of glass soot and furnace for carrying out the method. 4,842,628, 6-27-89, Cl. 65-3.120.

Kreutzer, Stanley H.: *See—*
- Henderson, James C.; Kreutzer, Stanley H.; Schmidt, Arthur A.; Smith, Charles A.; and Hagen, William R., 4,795,651, Cl. 426-456.000.

Kreutzer, Udo: *See—*
- Richtler, Hans-Joachim; Kreutzer, Udo; Carduck, Franz-Josef; Koester, Klaus; and Harth, Hubert, 4,874,552, Cl. 260-400.000.

Kreutzfeld, Robert J. Method and apparatus for automatic lap counting. 4,823,367, 4-18-89, Cl. 377-24.200.

Kreutzkamp, Barbara: *See—*
- Keplinger, Klaus; Wagner, Hildebert; and Kreutzkamp, Barbara, 4,844,901, Cl. 424-195.100.

Kreuz, Hans-Otto; and Grisse, Hans Jochen. Device for determining the charge profile in a shaft furnace. 4,858,892, 8-22-89, Cl. 266-99.000.

Kreuze, Kenneth D.; and Rennie, Eric D., to Prince Corporation. Storage compartment. 4,854,632, 8-8-89, Cl. 296-37.120.

Kreuzer, Franz-Heinrich; and Gebauer, Helmut, to Consortium fur Elektrochemische Industrie GmbH. Method for preparing hexamethylcyclotrisiloxane and uses for the same. 4,863,723, 9-5-89, Cl. 424-76.400.

Kreuzer, Franz-Heinrich: *See—*
- Gebauer, Helmut; and Kreuzer, Franz-Heinrich, 4,842,853, Cl. 424-76.100.

Kreuzer, Hans-Ueli: *See—*
- Donnerstag, Heinz; and Kreuzer, Hans-Ueli, 4,795,146, Cl. 272-97.000.

Kreuzer, Hubert, to Planetroll Antriebe GmbH. Adjustable transmission. 4,856,374, 8-15-89, Cl. 74-740.000.

Kreuzer, Martin: *See—*
- Werner, Heribert; Grothe, Klaus; and Kreuzer, Martin, 4,836,576, Cl. 280-731.000.

Kreuzer, Matthias: *See—*
- Thiem, Joachim; Deger, Hans-Matthias; Fritsche-Lang, Wolfram; and Kreuzer, Matthias, 4,803,263, Cl. 536-18.600.

Kreuzer, Rudolf; Noda, Wayne A.; Stockert, Friedemann; and Zupkas, Paul F., to Stockert Instrumente GmbH. Vascular catheter. 4,808,158, 2-28-89, Cl. 604-49.000.

Krevor, David H.; and Martens, Paul, to Raychem Corporation. Dimensionally-recoverable damping article. 4,860,851, 8-29-89, Cl. 181-207.000.

Krey, Winfried: *See—*
- Laig-Horstebrock, Helmut; and Krey, Winfried, 4,865,927, Cl. 429-50.000.

Kreyenberg, Heiner. Method and facility for removing sludge from water. 4,879,048, 11-7-89, Cl. 210-768.000.

Krich, David M., to GTX Corporation. High speed serial pixel neighborhood processor and method. 4,797,806, 1-10-89, Cl. 364-900.000.

Kricheldorf, Hans-Rytger; Pakull, Ralf; Eckhardt, Volker; and Dicke, Hans-Rudolf, to Bayer Aktiengesellschaft. Thermotropic polyesterimide from N-carboxyalkylene trimellitimide having excellent processibility, a process for their production and their use for the production of moldings, filaments, fibers and films. 4,861,857, 8-29-89, Cl. 528-170.000.

Krichever, Mark J.; Metlitsky, Boris; and Swartz, Jerome, to Symbol Technologies, Inc. Bar code symbol readers with variable spot size and/or working distance. 4,808,804, 2-28-89, Cl. 235-462.000.

Krichever, Mark J.; and Metlitsky, Boris, to Symbol Technologies, Inc. Scan pattern generators for bar code symbol readers. 4,816,661, 3-28-89, Cl. 235-472.000.

Krichever, Mark J.: *See—*
- Metlitsky, Boris; and Krichever, Mark J., 4,871,904, Cl. 235-467.000.
- Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,806,742, Cl. 235-472.000.
- Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,816,660, Cl. 235-472.000.
- Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,825,057, Cl. 235-472.000.
- Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,835,374, Cl. 235-472.000.

Kricka, Larry J.: *See—*
- Whitehead, Thomas P.; Thorpe, Gary H. G. H.; Kricka, Larry J.; Gibbons, John E. C.; and Bunce, Roger A., 4,879,097, Cl. 422-67.000.

Krider, E. Philip; Pifer, Alburt E.; and Byerley, Leon G., III, to Lightning Location and Protection, Inc. Thunderstorm sensor and method of identifying and locating thunderstorms. 4,806,851, 2-21-89, Cl. 324-72.000.

Kridl, Jean C.: *See—*
- Hiatt, William R.; Sheehy, Raymond E.; Shewmaker, Christine K.; Kridl, Jean C.; and Knauf, Vic, 4,801,540, Cl. 435-172.300.

Kridl, Thomas A.: *See—*
- Pithouse, Kenneth B.; Kridl, Thomas A.; and Triplett, James T., 4,803,103, Cl. 428-34.500.
- Pithouse, Kenneth B.; Kridl, Thomas A.; and Triplett, James T., 4,820,561, Cl. 428-34.500.

Kriebel, Manfred: *See—*
- Grunewald, Gerhard; and Kriebel, Manfred, 4,840,648, Cl. 55-44.000.

Kriech, Anthony J.; and Wissel, Herbert L., to Asphalt Materials, Inc. Multigrade asphalt cement product and process. 4,874,432, 10-17-89, Cl. 106-273.100.

Kriechbaum, Karl, to AEG Aktiengesellschaft. Contact element. 4,885,442, 12-5-89, Cl. 200-144.00B.

Kriechbaum, Kurt; Walk, Johann; Landwehrkamp, Hans; and Reeber, Rudolf, to Schubert & Salzer. Device for the automatic opening and mixing of fiber bales. 4,845,812, 7-11-89, Cl. 19-80.00R.

Kriefall, Horst; Rohrbach, Helmut; and Fischer, Siegfried, to Babcock-BSH Aktiengesellschaft. Apparatus for stacking sheets. 4,824,092, 4-25-89, Cl. 271-183.000.

Krieg, Adrian H. Cylinder containment vessel. 4,842,139, 6-27-89, Cl. 206-386.000.

Krieg, Adrian H. Railroad rail cold saw. 4,873,902, 10-17-89, Cl. 83-745.000.

Krieg, Aloisius; Huger, Alois M.; and Schnetter, Wolfgang, to Boehringer Mannheim GmbH. Strains of Bacillus toxic to Coleoptera. 4,851,340, 7-25-89, Cl. 435-68.000.

Krieg, Aloisius; Huger, Alois; and Schnetter, Wolfgang, to Boehringer Mannheim GmbH. Protein tokin from bacillus thiringiensis which is toxic to coleoptera. 4,889,918, 12-26-89, Cl. 530-350.000.

Krieg, Gunther: *See—*
- Cerff, Karlheinz; Giraud, Helmut; and Krieg, Gunther, 4,849,637, Cl. 250-345.000.

Krieg, Manfred: *See—*
- Ittmann, Guenther; and Krieg, Manfred, 4,826,901, Cl. 324-145.000.

Krieg, Ronald K.; and Drumheller, John A., to Concept R.K.K. Limited. Closed cryogenic barrier for containment of hazardous material migration in the earth. 4,860,544, 8-29-89, Cl. 62-45.100.

Krieger, Allen: *See—*
- Burstein, Paul; and Krieger, Allen, 4,845,769, Cl. 378-58.000.

Krieger, George A. Guide for hand manipulated powered cutting tools. 4,811,643, 3-14-89, Cl. 83-745.000.
Krieger, Hildegard, legal representative: *See*—
Krieger, Karl, deceased; Reinelt, Werner; and Kobow, Wolfgang, 4,852,852, Cl. 251-78.000.
Krieger, Ira: *See*—
Bourquin, Francis; and Krieger, Ira, 4,853,908, Cl. 368-19.000.
Krieger, Joseph G., to P & J Enterprises, Inc. Cycle carrier. 4,823,997, 4-25-89, Cl. 224-42.03B.
Krieger, Karl, deceased (by Krieger, Hildegard, legal representative); Reinelt, Werner; and Kobow, Wolfgang, to Hermann Henscheidt Maschinenfabrik GmbH & Co. Hydraulic valve actuating device. 4,852,852, 8-1-89, Cl. 251-78.000.
Krieger, Klaus: *See*—
Braun, Wolfgang; Emsmann, Wulf; Konrath, Karl; Krieger, Klaus; and Nothdurft, Heinz, 4,811,709, Cl. 123-357.000.
Konrath, Karl; Koester, Claus; Zibold, Karl; Schwarz, Manfred; Russeler, Karl-Friedrich; Krieger, Klaus; and Kupzik, Roland, 4,884,542, Cl. 123-370.000.
Krieger, Kurt. Device for acting upon webs of material with a flowing medium. 4,837,947, 6-13-89, Cl. 34-156.000.
Krieger, Kurt. Method of operating a gas-infrared radiator, and the gas-infrared radiator. 4,861,261, 8-29-89. Cl. 431-1.000.
Krieger, Paul A.: *See*—
Jones, Wallace R.; Isaksen, Robert A.; and Krieger, Paul A., 4,859,512, Cl. 428-40.000.
Krieger, Steve. Door acutating system. 4,847,541, 7-11-89, Cl. 318-468.000.
Krieger, Steve. Thermally insulated suspension ceiling. 4,862,663, 9-5-89, Cl. 52-309.700.
Kriegesmann, Jochen; Franek, Henning; and Bluethgen, Waldemar, to Ernst Leitz Wetzlar GmbH. Use of an oxide ceramic material for compression molds for shaping elements made from glass or a glass-containing ceramic and having high surface quality and dimensional accuracy. 4,889,548, 12-26-89, Cl. 65-305.000.
Kriegsman, Elliot. Furniture with appearance changeable top. 4,841,878, 6-27-89, Cl. 108-90.000.
Krieps, George D., to White Welding and Mfg., Inc. Method of forming a bulge in the rotary tube of a locking mechanism. 4,843,857, 7-4-89, Cl. 72-58.000.
Krier, Gabriel: *See*—
Muller, Jean F.; Tollitte, Francois G.; Krier, Gabriel; Dominiak, Serge; Eberhardt, Andre; and Berveiller, Marcel, 4,879,467, Cl. 250-288.000.
Krigers, Sandra I.: *See*—
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Krijnen, Wilhelmus J.; Roest, Jacob B.; and Bloemheuvel, Jacob, to Shell Oil Company. Process for the preparation of a polysaccharide in oil dispersion and dispersion obtained thereby. 4,803,264, 2-7-89, Cl. 536-114.000.
Krikheli, Zurab. Game article. 4,836,547, 6-6-89, Cl. 273-153.00S.
Krill, Carl E., III: *See*—
Campo, James A.; Sutherland, Jeffrey W.; and Krill, Carl E., III, 4,817,115, Cl. 375-22.000.
Krill, John J. Drying frame. 4,862,602, 9-5-89, Cl. 34-239.000.
Krimsky, Leonard C., to Worldwide Converting Machinery. Coating apparatus. 4,889,072, 12-26-89, Cl. 118-244.000.
Krings, Josef. Construction plate. 4,843,780, 7-4-89, Cl. 52-795.000.
Krings, Lothar, to BBC Brown, Boveri & Company, Limited. Fault-tolerant multiprocessor arrangement. 4,819,232, 4-4-89, Cl. 371-9.000.
Krinke, Harlan L.: *See*—
Hoopman, Timothy L.; Johnson, Dee L.; and Krinke, Harlan L., 4,871,623, Cl. 428-586.000.
Krinsky, Jeffrey A.; and Falk, Robert A., to Boeing Company, The. Optical receiver having optical gain medium and mode selector. 4,859,015, 8-22-89, Cl. 350-96.150.
Krippendorf, Manfred, to Friedrich Grohe Armaturenfabrik GmbH & Co. Mixing faucet. 4,848,395, 7-18-89, Cl. 137-359.000.
Krippl, Kurt; Kreuer, Karl D.; and Hoffmann, Erwin, to Bayer Aktiengesellschaft. Apparatus for applying a foam-forming flowable reaction mixture to a substrate. 4,846,099, 7-11-89. Cl. 118-323.000.
Krips, Herbert; and Podhorsky, Miroslan, to Balcke-Durr Aktiengesellschaft. Apparatus for securing straight tubes between two tube sheets in a pressure-tight manner. 4,827,605, 5-9-89, Cl. 29-727.000.
Krips, Herbert; and Podhorsky, Miroslan, to Balcke-Durr Aktiengesellschaft. Method of securing parts to a hollow member. 4,875,270, 10-24-89, Cl. 29-421.100.
Krisa, Michael. Vehicle lifting and towing attachment. 4,861,221, 8-29-89, Cl. 414-563.000.
Krisher, James A.; and Lloyd, Barry R., to Dana Corporation. Voice actuated two speed axle. 4,862,363, 8-29-89, Cl. 364-424.100.
Krishna, Ashok S., to Chevron Research Company. Gasoline octane enhancement in fluid catalytic cracking process with split feed injection to riser reactor. 4,869,807, 9-26-89, Cl. 208-120.000.
Krishna, Surinder; and Ramde, Amolak R., to National Semiconductor Corporation. Integrated circuit lateral transistor structure. 4,804,634, 2-14-89, Cl. 437-32.000.
Krishnakumar, Suppayan M.: *See*—
Collette, Wayne N.; Piccioli, David P.; and Krishnakumar, Suppayan M., 4,847,129, Cl. 428-35.700.
Collette, Wayne N.; Krishnakumar, Suppayan M.; and Piccioli, David P., 4,863,046, Cl. 215-1.00C.
Collette, Wayne N.; and Krishnakumar, Suppayan M., 4,889,247, Cl. 215-1.00C.
Krishnamurthy, Ramachandran; Lerner, Steve L.; and MacLean, Donald L., to Boc Group, Inc., The. PSA multicomponent separation utilizing tank equalization. 4,816,039, 3-28-89, Cl. 55-26.000.
Krishnamurthy, Sowmithri; and Klocke, Donald J., to Mobil Oil Corporation. Measurement and control of zeolite synthesis. 4,849,194, 7-18-89, Cl. 423-328.000.
Krishnamurthy, Sowmithri: *See*—
Huss, Albin, Jr.; Krishnamurthy, Sowmithri; and McHale, William D., 4,888,105, Cl. 208-137.000.
Krishnamurthy, Sundaram, to Eastman Kodak Company. Sterically hindered aromatic carboxylic esters. 4,827,019, 5-2-89, Cl. 560-84.000.
Krishnamurthy, Sundaram; Johnston, Brian H.; Kilminster, Kenneth N.; Vogel, David C.; and Buckland, Paul R., to Eastman Kodak Company. Photographic silver halide element and process. 4,853,319, 8-1-89, Cl. 430-387.000.
Krishnan, Chris: *See*—
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Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,829,799, Cl. 72-47.000.
Krishnan, Gopala; Gusman, Michael; Johnson, Sylvia M.; Rowcliffe, David J.; and Nakano, Hajime, to Osaka Gas Co., Ltd. Production of metal carbides. 4,886,652, 12-12-89, Cl. 423-439.000.
Krishnan, Mahadevaiyer: *See*—
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Krishnan, Ramasamy: *See*—
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Krishnan, Sivaram: *See*—
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Lundy, Charles E.; Paul, Winfried G.; and Krishnan, Sivaram, 4,804,692, Cl. 523-137.000.
Lundy, Charles E.; and Krishnan, Sivaram, 4,847,312, Cl. 524-114.000.
Lundy, Charles E.; and Krishnan, Sivaram, 4,873,271, Cl. 523-136.000.
Lundy, Charles E.; Krishnan, Sivaram; and Reinert, Gerard E., 4,874,802, Cl. 524-94.000.
Paul, Winfried G.; Price, Ronald L.; and Krishnan, Sivaram, 4,880,864, Cl. 524-404.000.
White, Roger J.; and Krishnan, Sivaram, 4,837,243, Cl. 521-94.000.
White, Roger J.; and Krishnan, Sivaram, 4,851,453, Cl. 521-140.000.
Witman, Mark W.; Krishnan, Sivaram; Siebourg, Wolfgang; and Price, Ronald L., 4,828,921, Cl. 428-412.000.
Krishnaswamy, Jayaram: *See*—
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Krishnaswamy, Prem; and Hoyack, Mark E., to Dorr-Oliver Incorporated. Flotation mechanism. 4,800,017, 1-24-89, Cl. 210-219.000.
Krisko, Annette: *See*—
Doehler, Joachim; Hudgens, Stephen J.; Ovshinsky, Stanford R.; Dotter II, Buddie; Peedin, Lester R.; Krisko, Jeffrey M.; and Krisko, Annette, 4,883,686, Cl. 427-38.000.
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Doehler, Joachim; Hudgens, Stephen J.; Ovshinsky, Stanford R.; Dotter II, Buddie; Peedin, Lester R.; Krisko, Jeffrey M.; and Krisko, Annette, 4,883,686, Cl. 427-38.000.
Krisko, Peter. Energy generator. 4,852,350, 8-1-89, Cl. 60-325.000.
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Kriss, George H., II. Electrical circuit for controlling the operation of high intensity motorcycle lamps. 4,862,036, 8-29-89, Cl. 315-82.000.
Krist, Josef: *See*—
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Kristal Instrumente AG: *See*—
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Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Eue, Ludwig, 4,840,661, Cl. 71-90.000.
Kristen, Ulrich; and Wirth, Hermann O., to Ciba-Geigy Corporation. 1,4-Oxathianones and 1,4-oxathiepanones. 4,889,938, 12-26-89, Cl. 549-10.000.
Kristensen, Henning. Automobile cleaning system and portable unit thereof. 4,828,180, 5-9-89, Cl. 239-302.000.
Kristensen, Olav A., to K.E.W. Industri A/S. Ejection nozzle for high-pressure cleaning units. 4,886,213, 12-12-89, Cl. 239-458.000.
Kristiansen, Odd: *See*—
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Kristof, John J.; and Elwer, Michael, to Sycon Corporation. Pneumatic starter for internal combustion engine. 4,846,122, 7-11-89, Cl. 123-179.00F.
Kristof, Miklos: *See*—
Csajtai, Geza; Doleschall, Sandor; Milley, Gyula; Kristof, Miklos; Paal, Tibor; Racz, Daniel; and Toth, Bela, 4,875,809, Cl. 405-263.000.
Kristof nee Szvitil, Ilona: *See*—
Kelesi, Sandor; Tamasi, Piroska; Pal, Veronika; Jancso, Sandor; Kristof nee Szvitil, Ilona; Bacsa, Gyorgy; and Kovacs nee Hadady, Katalin, 4,803,069, Cl. 424-74.000.
Kristof, Wolfgang; Schlebener, Claus; and Linde, Gerhard, to Linde Aktiengesellschaft. Apparatus for removal of nitrogen oxides from flue gas. 4,836,988, 6-6-89, Cl. 422-171.000.
Kristoff, Louis D. Vise adapter for threaded objects. 4,852,866, 8-1-89, Cl. 269-87.200.
Kristoffersen, Kaj, to Junckers Industrier A/S. Floor structure. 4,854,099, 8-8-89, Cl. 52-403.000.
Kristoffersen, Kjell: *See*—
Angelsen, Bjorn A. J.; and Kristoffersen, Kjell, 4,848,354, Cl. 128-660.050.
Kristol, David: *See*—
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Kritzner, Bruno: *See*—
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Krivak, Sandra L.; Williams, William A., Jr.; Nehmsmann, Louis J.; and Sare, Edward J., to PPG Industries, Inc. Composition containing non-ionic surfactant. 4,832,865, 5-23-89, Cl. 252-174.210.
Krivak, Thomas G.: *See*—
Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,837,253, Cl. 523-443.000.
Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,849,297, Cl. 428-457.000.
Krivan, Howard C.: *See*—
Wilkins, Tracy D.; and Krivan, Howard C., 4,863,852, Cl. 435-7.000.
Krivanek, Ondrej L., to Gatan Inc. Variable-attenuation parallel detector. 4,831,255, 5-16-89, Cl. 250-305.000.
Krivanek, Ondrej L., to Gatan Inc. Energy-selected electron imaging filter. 4,851,670, 7-25-89, Cl. 250-305.000.
Krivanek, Vaclav: *See*—
Puchel, Petr; Formanek, Zdenek; Krivanek, Vaclav; Pokorny, Antonin; Vlasakova, Anna; and Stuchikova, Alena, 4,879,246, Cl. 436-145.000.
Krivi, Gwen G., to Monsanto Company. Production of proteins in procaryotes. 4,861,868, 8-29-89, Cl. 530-399.000.
Krivoshlykov, Alexei J.: *See*—
Kolomeets, Sergei D.; Krivoshlykov, Alexei J.; Ostafiev, Vladimir A.; and Tymchik, Grigory S., 4,866,360, Cl. 318-577.000.
Krix, Wilfried: *See*—
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Kriz, Frantisek: *See*—
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Krjuchin, Andrei A.: *See*—
Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Skuridin, Vladimir P.; Gorshkov, Nikolai V.; Kovtun, Valery D.; Gapchenko, Leonid M.; and Vozovik, Anton V., 4,811,327, Cl. 369-111.000.
Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.
Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.
Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; and Shanoilo, Semen M., 4,875,204, Cl. 369-100.000.
KRKA: *See*—
Kobe, Joze; Gnidovec, Joze; and Zupet, Pavle, 4,826,981, Cl. 544-276.000.
Krnan, Palo, to Teledyne Industries, Inc. Loudspeaker with acoustic band-pass filter. 4,875,546, 10-24-89, Cl. 181-160.000.
Krnjevic, Hrvoje: *See*—
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Krochta, John M., to United States of America, Agriculture. Production of high yields of glycolic and oxalic acids from polysaccharide-containing materials. 4,885,387, 12-5-89, Cl. 562-515.000.
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Krock, Friedrich W.: *See*—
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Krockow, Wolfram: *See*—
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Krodel, Elizabeth K.: *See*—
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Kroeger, Brian W.; and Kurtz, John J., to Westinghouse Electric Corp. Clock recovery system for digital data. 4,847,874, 7-11-89, Cl. 375-110.000.
Kroeger, Michael K.; Longo, John M.; Steiger, Ronald P.; and Leung, Peter K., to Exxon Production Research Company. Method for rapidly determining the swelling-clay content in shales and shaly sandstone formations by high-frequency dielectric constant measurements. 4,876,512, 10-24-89, Cl. 324-376.000.
Kroeker, David: *See*—
Henderson, D. Grant; Yuill, Grenville K.; and Kroeker, David, 4,856,123, Cl. 4-480.000.
Kroener, Hans-Juergen, to Siemens Aktiengesellschaft. Computer tomography apparatus with a closed circulation cooling system. 4,866,743, 9-12-89, Cl. 378-4.000.
Kroener, Michael; Schmidt, Willi; Oftring, Alfred; Proll, Theo; and Hartmann, Heinrich, to Basf Aktiengesellschaft. Purification of n-vinylformamide. 4,814,505, 3-21-89, Cl. 564-216.000.
Kroener, Michael: *See*—
Degen, Hans-Juergen; Pfohl, Sigberg; Weberndoerfer, Volkmar; Rehmer, Gerd; Kroener, Michael; and Stange, Andreas, 4,818,341, Cl. 162-168.200.
Hoelderich, Wolfgang; Kroener, Michael; Kroetzsch, Peter; and Biffar, Werner, 4,859,642, Cl. 502-2.000.
Pfohl, Sigberg; Kroener, Michael; Hartmann, Heinrich; and Denzinger, Walter, 4,880,497, Cl. 162-135.000.
Kroener, Wolfgang, to Pforzheimer Uhren-Rohwerke Porta GmbH. Drive coupling. 4,860,270, 8-22-89, Cl. 368-322.000.
Kroenert, John T.; and Delisle, Robert B., to Raytheon Company. Simultaneous coherent and incoherent processor for sonar signals. 4,831,602, 5-16-89, Cl. 367-100.000.
Kroenert, Wolfgang: *See*—
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Kroenke, William J.; Mazany, Anthony M.; and Standish, John V., to B. F. Goodrich Company, The. Process for inhibiting corrosion of metal and corrosion-inhibiting layer use therein. 4,816,303, 3-28-89, Cl. 428-333.000.
Kroepelin, Willis F., Jr. Hand held rope cleat. 4,843,687, 7-4-89, Cl. 24-134.00P.
Kroesen, Gerardus M. W.: *See*—
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Kroetz, Whitney B.: *See*—
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Morris, Frank I.; and Kroetz, Whitney B., 4,827,162, Cl. 310-13.000.
Kroetzsch, Peter: *See*—
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Kroggel, Otto: *See*—
Dodmann, Gerd; Kroggel, Otto; Fey, Jochen; Kopp, Harald; and Fritz, Christoph, 4,837,509, Cl. 324-207.000.
Krogmann, Uwe, to Bodenseewerk Geratetechnik GmbH. Device for determining the north direction. 4,807,138, 2-21-89, Cl. 364-453.000.
Krogsgaard-Larsen, Povl: *See*—
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Krogsrud, Jens C., to Jac Jacobsen A/S. Counterbalanced arm assembly. 4,846,434, 7-11-89, Cl. 248-280.100.
Krogsrud, Jessan C., to Jac Jacobsen A/S. Counterbalanced arm assembly. 4,796,162, 1-3-89, Cl. 362-33.000.
Kroha, John L., to Flexon, Inc. Fuel filter coupling. 4,861,474, 8-29-89, Cl. 210-232.000.
Krohn, Gunter; and Kaselow, Dietmar, to Cramer GmbH & Co. Kommanditgesellschaft. Cooking range. 4,846,144, 7-11-89, Cl. 126-39.00G.
Krohn, Harvey: *See*—
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Krohn, Hellmut; and Frank, Jurgen, to Daimler-Benz Aktiengesellschaft. Device for propulsion control for a motor vehicle with all-wheel drive. 4,849,891, 7-18-89, Cl. 364-426.030.

Krohn, Paul F. Lightweight chain saw bar. 4,837,934, 6-13-89, Cl. 30-387.000.

Krojidlo, Milan: *See—*
- Krchnak, Viktor; Krojidlo, Milan; and Mach, Otakar, 4,833,072, Cl. 435-5.000.

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Krokhmal, Vladimir M.: *See—*
- Budyko, Viktor A.; Ivanchenko, Andrei F.; Krokhmal, Vladimir M.; Konovalenko, Vladimir V.; Nechvolodov, Georgy V.; Lastochkin, Boris N.; and Kutsov, Valentin D., 4,885,654, Cl. 361-13.000.

Krokoszinski, Roland: *See—*
- Engelbach, Heinz; Krokoszinski, Roland; Franzischka, Wolfgang; and Decker, Martin, 4,814,479, Cl. 558-328.000.

Krol, Thijs; and Van Gils, Willibrordus J., to U.S. Philips Corporation. Multiprocessor computer system which includes N parallel-operating modules and an external apparatus, and computer module for use in such a system. 4,884,194, 11-28-89, Cl. 364-200.000.

Krolak, David J.: *See—*
- Arlington, David L.; Cole, Jacqueline M.; Hazelzet, Bruce G.; Krolak, David J.; Li, Hehching H.; Oza, Bharat J.; and Weaver, A. Frank, 4,888,773, Cl. 371-40.200.

Krolak, Lawrence J.: *See—*
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Kroll, Arthur S.: *See—*
- Hill, Lawrence A.; Jacobs, Michael F.; Kroll, Arthur S.; and Williams, Ralph E., 4,884,109, Cl. 355-260.000.

Kroll, Clarence P.; Neal, Craig J.; and Trapp, Robert L., to Riccar America Company. Vacuum cleaner. 4,831,683, 5-23-89, Cl. 15-361.000.

Kroll, Hein-Peter: *See—*
- Lockhoff, Oswald; Hayauchi, Yutaka; Stadler, Peter; Stunkel, Klaus G.; Streissle, Gert; Paessens, Arnold; Klimetzek, Volker; Zeiler, Hans-Joachim; Metzger, Karl G.; Kroll, Hein-Peter; Brunner, Helmut; and Schaller, Klaus, 4,855,283, Cl. 514-8.000.

Kroll, John W.; Baran, Michael S.; and Mading, James E., to Eaton Corporation. Bistable SME actuator with retainer. 4,887,430, 12-19-89, Cl. 60-527.000.

Kroll, Kenneth R.: *See—*
- Scott, Carl D.; Nagy, Kornel; Roberts, Barney B.; Ried, Robert C.; Kroll, Kenneth R.; and Gamble, Joe, 4,817,895, Cl. 244-138.00R.

Kroll, Mark W., to Cherne Medical, Inc. Medical current limiter. 4,811,156, 3-7-89, Cl. 361-58.000.

Kroll, Mark W., to Cherne Medical, Inc. Electrode belt adapter. 4,832,608, 5-23-89, Cl. 439-67.000.

Kroll, Mark W.; and Pommrehn, Mark R., to Cherne Medical, Inc. Optical fiber transmissive signal modulation system. 4,879,760, 11-7-89, Cl. 455-605.000.

Kroll, Paul C.; and Chang, Sung S., to Pitney Bowes Inc. Nonvolatile memory protection arrangement for electronic postage meter system having plural nonvolatile memories. 4,805,109, 2-14-89, Cl. 364-464.020.

Kroll, Paul C.; and Chang, Sung S., to Pitney Bowes Inc. Electronic postage meter operating system. 4,817,004, 3-28-89, Cl. 364-464.020.

Kroll, Paul C.; and Chang, Sung S., to Pitney Bowes Inc. Electonic postage meter system having arrangement for rapid storage of critical postage accounting data in plural nonvolatile memories. 4,845,632, 7-4-89, Cl. 364-464.020.

Kroll, Paul C.: *See—*
- Germaine, Thomas; and Kroll, Paul C., 4,829,469, Cl. 364-900.000.

Kroll, William P. Load cell structure. 4,813,504, 3-21-89, Cl. 177-211.000.

Krolopp, Robert K.; Auchter, Thomas J.; Pregont, Gary J.; and Dabbish, Ezzat A., to Motorola, Inc. Secure transfer of radio specific data. 4,811,377, 3-7-89, Cl. 379-62.000.

Krom, Knute R. Combined crayon and coloring book holder. 4,875,707, 10-24-89, Cl. 281-30.000.

Kroman, Flemming: *See—*
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Kromrey, Edward P.; and Mehus, Richard J., to Ecolab Inc. Aspirating foamer. 4,802,630, 2-7-89, Cl. 239-428.000.

Kromrey, Edward P., to Ecolab Inc. Cleaning in place valve actuator. 4,836,420, 6-6-89, Cl. 222-148.000.

Kromrey, Robert V., to United Technologies Corporation. Method for molding articles using barrier coatings. 4,795,600, 1-3-89, Cl. 264-130.000.

Kromrey, Robert V., to United Technologies Corporation. Method for recovering a solid flowable polymer medium. 4,839,392, 6-13-89, Cl. 521-45.000.

Kromrey, Robert V., to United Technologies Corporation. Process of high pressure curing with ultraviolet radiation. 4,879,073, 11-7-89, Cl. 264-22.000.

Kromrey, Robert V., to United Technologies Corporation. Breather materials for high pressure molding. 4,880,688, 11-14-89, Cl. 428-141.000.

Kron, Reuben E.; and Litt, Mitchell, to KDL Technologies, Inc. Apparatus and method for measuring native mammalian blood viscosity. 4,858,127, 8-15-89, Cl. 364-413.070.

Kronauge, James: *See—*
- Jones, Alun G.; Davison, Alan; Kronauge, James; and Abrams, Michael J., 4,872,561, Cl. 206-569.000.

Kronbauer, Hermann; Kupper, Hermann; and Rehm, Christian, to Reflecta GmbH Foto-Flim Projection. Slides projector. 4,854,697, 8-8-89, Cl. 353-89.000.

Kronberg, Harald: *See—*
- Ullrich, Georg J.; Pomorin, Karl-Heinz; Kronberg, Harald; Bramm, Gunter; Koschke, Peter; Novak, Pavel; and Gaab, Michael R., 4,805,634, Cl. 128-748.000.

Kronberger, Maximilian; and Till, Edwin, to Voest-Alpine-Friedmann Gesellschaft M.B.H. Process of manufacturing a fuel injection nozzle body and apparatus for carrying out the process. 4,819,871, 4-11-89, Cl. 239-533.300.

Krone Aktiengesellschaft: *See—*
- Biederstedt, Lutz; Gerke, Dieter; and Sander, Claus, 4,812,004, Cl. 350-96.200.
- Biederstedt, Lutz; and Muller, Manfred, 4,887,183, Cl. 361-124.000.
- Gerke, Dieter; Muller, Manfred; and Biederstedt, Lutz, 4,822,298, Cl. 439-402.000.
- Gerke, Dieter; Biederstedt, Lutz; and Klaiber, Eberhard, 4,822,300, Cl. 439-417.000.
- Gerke, Dieter; and Teichler, Heide, 4,851,967, Cl. 361-426.000.
- Herfort, Hermann; and Hegner, Gunter, 4,806,119, Cl. 439-395.000.
- Klaiber, Eberhard, 4,822,306, Cl. 439-709.000.
- Muller, Manfred; and Biederstedt, Lutz, 4,871,330, Cl. 439-709.000.
- Rocks, Manfred, 4,882,771, Cl. 455-605.000.
- Teichler, Heide; and Muller, Manfred, 4,846,735, Cl. 439-709.000.
- Walker, Robert; Fitzgerald, Robert; and Bippus, Hans-Dieter, 4,889,405, Cl. 350-96.210.
- Weber, Jens, 4,800,557, Cl. 370-3.000.

Krone, John J., to Molex Incorporated. Synchronized hydraulic hammer arrangement. 4,825,960, 5-2-89, Cl. 173-51.000.

Krone, John J.: *See—*
- Fidler, Jerry D.; Krone, John J.; and Roussin, Michael A., 4,834,461, Cl. 299-37.000.

Kroneberger, Gerald F.; and Wilcox, John B., to In-Process Technology, Inc. Thermal decomposition processor and system. 4,823,711, 4-25-89, Cl. 110-236.000.

Kronenberg, Stanley, to United States of America, Army. Solid state gamma ray dosimeter which measures radiation in terms of absorption in a material different from the detector material. 4,859,853, 8-22-89, Cl. 250-370.070.

Kroner, Karl-Heinz: *See—*
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Kroner, Klaus G.; and Wolber, Jorg, to U. S. Philips Corporation. Circuit arrangement for adjusting a reference level in a periodic signal. 4,883,991, 11-28-89, Cl. 307-491.000.

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- Wolber, Jorg; and Kroner, Klaus G., 4,868,429, Cl. 307-540.000.

Kroner, Wolfgang, to Pforzheimer Uhrenwerke Porta GmbH. Drive arrangement for an electronically controlled watch. 4,805,161, 2-14-89, Cl. 368-220.000.

Krones AG Hermann Kronseder Maschinenfabrik: *See—*
- Kronseder, Hermann, 4,795,525, Cl. 156-567.000.
- Schneider, Egon; and Ketterl, Georg, 4,824,514, Cl. 156-387.000.

Kronheim, Shirley R., to Immunex Corporation. Purification of recombinant interleukin-1. 4,801,686, 1-31-89, Cl. 530-351.000.

Kronich, Peter G., to Tecumseh Products Company. Adjustable lash valve train for overhead valve engine. 4,856,467, 8-15-89, Cl. 123-90.430.

Kronich, Peter G., to Tecumseh Products Company. Valve mechanism lubrication system for horizontal cylinder overhead valve engine. 4,881,496, 11-21-89, Cl. 123-90.330.

Kronies, Reinhard K.: *See—*
- Kim, Dongsung R.; and Kronies, Reinhard K., 4,809,278, Cl. 371-51.000.
- Kim, Dongsung R.; and Kronies, Reinhard K., 4,809,279, Cl. 371-51.000.

Kroniger, Wilhelm, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Hydraulically controlled disk brake with serial fluid flow. 4,799,575, 1-24-89, Cl. 188-71.600.

Kroniger, Wilhelm; Martin, Roland; and Aydt, Guenter, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Brake arrangement. 4,886,147, 12-12-89, Cl. 188-73.370.

Kronlage, John W., to Texas Instruments Incorporated. High speed parallel binary multiplier. 4,809,211, 2-28-89, Cl. 364-754.000.

Kronlage, John W.: *See—*
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Kronner, Richard F. Universal external fixation frame assembly. 4,848,368, 7-18-89, Cl. 128-92.00Z.

Kronogard, Clas-Olof: *See—*
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Kronogard, Hakan: *See—*
- Kronogard, Sven-Olof, deceased; Kronogard, Clas-Olof; and Kronogard, Hakan, 4,843,816, Cl. 60-39.183.

Kronogard, Sven-Olof, deceased (by Linden, Allan, administrator); Kronogard, Clas-Olof; and Kronogard, Hakan, to AB VOLVO. Gas turbine plant for automotive operation. 4,843,816, 7-4-89, Cl. 60-39.183.

Kronos, Inc.: *See—*
- Krakauer, Lawrence J.; and Baxter, Larry, 4,818,969, Cl. 341-80.000.

Kronseder, Hermann, to Krones AG Hermann Kronseder Maschinenfabrik. Lever-actuated compound slide support for a labeling machine. 4,795,525, 1-3-89, Cl. 156-567.000.

Kronseder, Hermann. Magazine assembly for labels or the like in a labeling machine. 4,799,605, 1-24-89, Cl. 221-11.000.

Kronseder, Hermann. Glue applicator for labeling machines. 4,802,440, 2-7-89, Cl. 118-261.000.

Kronseder, Hermann. Labeling device with print mechanism monitor. 4,844,769, 7-4-89, Cl. 156-378.000.

Kronseder, Hermann. Receptacle handling machine. 4,880,098, 11-14-89, Cl. 198-346.200.

Kronwald, Klaus, to Labomatic GmbH. Chromatographic column. 4,888,112, 12-19-89, Cl. 210-198.200.

Kronzer, Frank J., to Kimberly-Clark Corporation. Melt transfer web. 4,863,781, 9-5-89, Cl. 428-200.000.

Kronzer, Joseph P.: *See—*
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Kroon, Daniel J.: *See—*
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Kroon, Theodorus J. P. M.: *See—*
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Kroon, Robert J. Bottle stand up apparatus. 4,854,442, 8-8-89, Cl. 198-400.000.

Krop, Hugo K., to Text Lite B.V. Low power, stepping motor with display. 4,831,293, 5-16-89, Cl. 310-49.00R.

Kropidoski, Robert: *See—*
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Kropiwnicki, Tadek M.; Braymer, Joseph E.; and Dreiman, Nelik I., to Carrier Corporation. Compressor suction pulse attenuator. 4,795,316, 1-3-89, Cl. 417-312.000.

Kropkowski, James M. Mixing and dispensing apparatus for game. 4,877,246, 10-31-89, Cl. 273-144.00R.

Kropp, Helmut; and Kahan, Frederick M., to Merck & Co., Inc. Combination of thienamycin-type antibiotics with dipeptidase inhibitors. 4,880,793, 11-14-89, Cl. 514-192.000.

Kropp, Rudolf; Thyes, Marco; Schlecker, Rainer; Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Traut, Martin; and Gries, Josef, to BASF Aktiengesellschaft. Novel pyridazinone-imines and their physiologically tolerated addition salts with acids, their preparation and therapeutic agents containing these compounds. 4,820,821, 4-11-89, Cl. 544-224.000.

Kropp, Rudolf: *See—*
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Krosney, Mark: *See—*
- Brisbon, Eric S.; and Krosney, Mark, 4,850,321, Cl. 123-372.000.

Krost, Lee, to Lee Krost Associates Inc. Multiple value coupon system. 4,817,990, 4-4-89, Cl. 283-101.000.

Krotine, Michael L. Disposable genital cleaner. 4,813,094, 3-21-89, Cl. 15-244.100.

Krotky, Peter, to Porsche Aktiengesellschaft. Crankshaft for reciprocating piston engine. 4,867,007, 9-19-89, Cl. 74-595.000.

Krouskop, Thomas A.: *See—*
- Muller, Walter; and Krouskop, Thomas A., 4,840,634, Cl. 623-24.000.
- Spann, Donald C.; Schaefer, Daniel J.; and Krouskop, Thomas A., 4,862,538, Cl. 5-464.000.

Krouzkevitch, Benjamin; and Litvinenko, Alexander. Hand-carried tool for cutting plaster-like material. 4,839,966, 6-20-89, Cl. 30-475.000.

Krowatchek, Fritz; and Zinnsmeister, Horst, to Pfaff Industriemaschinen GmbH. Sewing machine with multidirectional upper and lower feed devices. 4,848,254, 7-18-89, Cl. 112-313.000.

Krowne, Clifford M.; Prinz, Gary A.; and Krebs, James J., to United States of America, Navy. Non-reciprocal semiconductor device. 4,862,119, 8-29-89, Cl. 333-24.00R.

Krowne, Clifford M., to United States of America, Navy. Solid state space harmonic amplifier. 4,887,049, 12-12-89, Cl. 330-286.000.

Kroy Inc.: *See—*
- Basile, Peter A., 4,832,514, Cl. 400-120.000.
- Paque, Michael W., 4,844,636, Cl. 400-208.000.
- Plotnick, Michael A.; Shapiro, Paul J.; and Stolfi, Fred R., 4,836,697, Cl. 400-120.000.
- Plotnick, Michael A., 4,859,093, Cl. 400-120.000.
- Richardson, Michael M.; and Borgeson, Frank A., 4,815,874, Cl. 400-208.000.
- Richardson, Michael M.; and Borgeson, Frank A., 4,815,875, Cl. 400-208.100.

Krsmanovic, Kosta: *See—*
- Despic, Aleksandar; and Krsmanovic, Kosta, 4,800,009, Cl. 204-225.000.

Krsna, Steve, to Crestek, Inc. Regulated ultrasonic generator. 4,864,547, 9-5-89, Cl. 367-137.000.

Krstanovic, Srdjan: *See—*
- Luce, David A.; and Krstanovic, Srdjan, 4,881,807, Cl. 351-208.000.

Kruchowy, Roman V.: *See—*
- Evans, Mark M.; and Kruchowy, Roman V., 4,866,426, Cl. 340-568.000.

Kruck, Richard W.; and Cur, Omer N., to Whirlpool Corporation. Heavy gas-filled multilayer insulation panels. 4,808,457, 2-28-89, Cl. 428-69.000.

Krucke, Werner: *See—*
- Boedecker, Manfred; Benecke, Thomas; Krucke, Werner; and Baumeister, Willi, 4,883,913, Cl. 564-2.000.

Kruckemeier, William C.; Bock, Gustavus P.; and Fannin, Wayne V., to General Motors Corporation. Damper with optimized adjustable valving for vehicle ride control. 4,821,851, 4-18-89, Cl. 188-319.000.

Kruckemeyer, William C.: *See—*
- Fannin, Wayne V.; Kruckemeyer, William C.; and Kloess, Scott R., 4,828,229, Cl. 267-64.250.

Krude, Werner, to GKN Automotive Inc. Independent wheel suspension system using thrust bearing constant velocity universal drive joints, bending and torsional motion resistance suspension members and a transversely pivotable differential. 4,819,756, 4-11-89, Cl. 180-73.300.

Krueckel, Peter; Roeder, Georg; and Moeck, Gerhard, to Schwan-Stabilo Schwanhausser GmbH & Co. Applicator device. 4,810,124, 3-7-89, Cl. 401-149.000.

Krueger, Bernhard: *See—*
- Kothe, Dieter; Krueger, Bernhard; Lohse, Dietmar; Moellers, Gerd; Pleschiutschnigg, Fritz; Reichelt, Wolfgang; Vos-Spilker, Peter; and Wagener, Elmar, 4,830,087, Cl. 164-460.000.

Krueger, Clyde A., Krueger, Katharine C.; and Preus, Herman A. Slip-on weed guard for fish hooks. 4,796,378, 1-10-89, Cl. 43-43.200.

Krueger, Dennis L.; and Meyer, Daniel E., to Minnesota Mining and Manufacturing Company. Bicomponent fibers and webs made therefrom. 4,795,668, 1-3-89, Cl. 428-174.000.

Krueger, Dennis L.; Loeding, Neil W.; and Poser, Claudia I., to Minnesota Mining and Manufacturing Company. Pyroelectric and isotropic piezoelectric polymer blends. 4,820,586, 4-11-89, Cl. 428-421.000.

Krueger, Hans; and Good, Hans P., to Siemens Aktiengesellschaft; and Balzers Aktiengesellschaft. Gas laser with a frequency-selective dielectric layer system. 4,800,568, 1-24-89, Cl. 372-99.000.

Krueger, Hans; and Welsch, Wolfgang, to Siemens Aktiengesellschaft. Gas laser. 4,811,355, 3-7-89, Cl. 372-61.000.

Krueger, Hans; Lamprecht, Herbert, deceased; by Lamprecht, Thekla, heir; by Lamprecht, Simon, heir; and Tiemann, Wilhelm, to Siemens Aktiengesellschaft. Gas laser arrangement. 4,841,540, 6-20-89, Cl. 372-86.000.

Krueger, Hans; and Welsch, Wolfgang, to Siemens Aktiengesellschaft. Laser tube for polarized laser emission. 4,875,220, 10-17-89, Cl. 372-107.000.

Krueger, Hans: *See—*
- Hahn, Guenther; Krueger, Hans; Lamprecht, Herbert; and Seiffarth, Werner, 4,841,539, Cl. 372-63.000.
- Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, Heir; Funk, Guenter; and Krueger, Hans, 4,847,841, Cl. 372-37.000.

Krueger, Heinz; Lardon, Hartmut; and Patsch, Manfred, to BASF Aktiengesellschaft. Azo dyes of methylaniline disulfonic acid coupled with naphthylamine sulfonic acid. 4,798,887, 1-17-89, Cl. 534-637.000.

Krueger, Inc.: *See—*
- Novitski, Michael, 4,826,115, Cl. 248-225.200.
- Reitler, Randal L., 4,826,112, Cl. 248-65.000.

Krueger, James W.: *See—*
- Ross, Jeffrey L.; and Krueger, James W., 4,852,717, Cl. 198-462.000.

Krueger, James W., Jr.; Carnahan, Blake A.; Schill, Allan A.; Berical, Albert H.; and Younger, Cousby, Jr., to General Electric Company. Disconnectable microstrip to stripline transition. 4,870,375, 9-26-89, Cl. 333-33.000.

Krueger, John G., to Krueger Transport Equipment Pty. Ltd. Curtain sided trailers. 4,861,094, 8-29-89, Cl. 296-181.000.

Krueger, Katharine C.: *See—*
- Krueger, Clyde A.; Krueger, Katharine C.; and Preus, Herman A., 4,796,378, Cl. 43-43.200.

Krueger, Kenneth K., to Denar Corporation. Sound producing indicators used in combination with pneumatically operated machines. 4,818,227, 4-4-89, Cl. 433-27.000.

Krueger, Kenneth K., to Steri-Oss, Inc. Dental implant. 4,826,434, 5-2-89, Cl. 433-174.000.

Krueger, Kenneth K., to Steri-Oss, Inc. Packaging & installing implants. 4,856,648, 8-15-89, Cl. 206-63.500.

Krueger, Kurt; Schmitt, Heino; and Schultz, Walter, to Siemens Aktiengesellschaft. High-pass element of a filter assembly for a line connected with static converters. 4,864,484, 9-5-89, Cl. 363-45.000.

Krueger, Leroy A.: *See—*
- Swix, Scott R.; and Krueger, Leroy A., 4,841,291, Cl. 340-725.000.

Krueger, Loren L. Combination bar code and mark-sense reader. 4,877,948, 10-31-89, Cl. 235-449.000.

Krueger, Michael J. Projecting gun and nozzle. and method of use. 4,822,644, 4-18-89, Cl. 427-280.000.

Krueger, Michael J. Projecting gun and nozzle. 4,878,621, 11-7-89, Cl. 239-458.000.

Krueger, Myron W.; Hinrichsen, Katrin; and Gionfriddo, Thomas S. Real time perception of and response to the actions of an unencumbered participant/user. 4,843,568, 6-27-89, Cl. 364-518.000.

Krueger, Paul C.: *See—*
- Shattes, Walter J.; Bandyopadhyay, Nikhiles; and Krueger, Paul C., 4,846,267, Cl. 165-133.000.

Krueger, Ronald G., to J B Group, Inc. Method for the production of bias fabrics. 4,877,470, 10-31-89, Cl. 156-177.000.

Krueger Transport Equipment Pty. Ltd.: *See—*
- Krueger, John G., 4,861,094, Cl. 296-181.000.

- Krueger, Vernon C., to FMC Corporation. Method for custom fabrications of doors. 4,814,126, 3-21-89, Cl. 264-45.100.
- Krueger, W. E. "Wes", to E-Z Lift Pump, Inc. Production plunger. 4,889,473, 12-26-89, Cl. 417-56.000.
- Krueger, Walter L.: *See—*
  - Kotnour, Thomas A.; Barber, Ronald L.; and Krueger, Walter L., 4,843,134, Cl. 526-318.400.
- Kruehler, Wolfgang; and Milla, Peter, to Siemens Aktiengesellschaft. Method of making series-connected, thin-film solar module formed of crystalline silicon. 4,879,251, 11-7-89, Cl. 437-4.000.
- Kruel, Edward C.: *See—*
  - Dobberpuhl, Dale R.; and Kruel, Edward C., 4,838,101, Cl. 74-15.630.
- Krufka, Frank S., to RCA Licensing Corp. System and method for measuring elliptical elements. 4,805,124, 2-14-89, Cl. 364-560.000.
- Krug, George C.; Beeler, Donald J.; Plank, David C.; Sitman, Robert W.; Shauf, Walter F.; and Pike, Robert F., to PPG Industries, Inc. Adjustable press face. 4,806,140, 2-21-89, Cl. 65-290.000.
- Krug, Herbert: *See—*
  - Dockner, Toni; Krug, Herbert; and Nohe, Heinz, 4,824,956, Cl. 546-314.000.
- Krug, James B.; Lenox, Ronald S.; and Stewart, William J., to Armstrong World Industries, Inc. Non-stick coating composition and method for thermoplastic materials. 4,830,884, 5-16-89, Cl. 427-244.000.
- Krug, John A.: *See—*
  - Coulborn, John W.; and Krug, John A., 4,875,417, Cl. 105-248.000.
- Krug, Martin; Dahm, Horst; and Motting, Gotz, to Daimler-Benz Aktiengesellschaft. Seat-contact switch. 4,806,713, 2-21-89, Cl. 200-85.00A.
- Krug, Rainer: *See—*
  - Bernhardt, Bruno; Hessner, Anton; and Krug, Rainer, 4,886,119, Cl. 166-267.000.
- Kruger, Astrid: *See—*
  - Prellwitz, Hubert; John, Gunter; Steglich, Christian; and Kruger, Astrid, 4,795,201, Cl. 289-1.500.
- Kruger, Bernd-Wieland; Sasse, Klaus; Hoever, Franz-Peter; Nentwig, Gunther; and Berhrenz, Wolfgang, to Bayer Aktiengesellschaft. Acylated aminoalcohols for repelling insects and mites. 4,873,252, 10-10-89, Cl. 514-315.000.
- Kruger, Bradford E., to ITT Gilfillan, a division of ITT Corporation. Horizon stabilized antenna beam for shipboard radar. 4,803,490, 2-7-89, Cl. 342-158.000.
- Kruger, Gerd: *See—*
  - Seydel, Joachim K.; Pieper, Helmut; Kruger, Gerd; Noll, Klaus; Keck, Johannes; and Lechner, Uwe, 4,829,058, Cl. 514-155.000.
- Kruger GmbH & Co. KG: *See—*
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- Kruger, Gustav, to Feinmetall GmbH. Testing adapter. 4,814,697, 3-21-89, Cl. 324-158.00P.
- Kruger, Hans-Rudolf: *See—*
  - Wegner, Peter; Kruger, Hans-Rudolf; Baumert, Dietrich; and Joppien, Hartmut, 4,889,870, Cl. 514-429.000.
- Kruger, Hermann, to Volkswagen AG. Sealing arrangement for a rotary slide valve. 4,794,895, 1-3-89, Cl. 123-190.00E.
- Kruger, Horst: *See—*
  - Gschwender, Alois; Szeteli, Andreas; and Kruger, Horst, 4,854,834, Cl. 417-423.300.
  - Gschwender, Alois; Kruger, Horst; and Schleifer, Bernhard, 4,875,827, Cl. 415-111.000.
- Kruger, James B., to Hewlett-Packard Company. High contrast optical marking method for polished surfaces. 4,847,183, 7-11-89, Cl. 430-322.000.
- Kruger, Johann E. W.; Killat, Ulrich R. P.; and Jasmer, Wolfgang E., to U.S. Philips Corporation. Shared lines equipment, especially for B-ISDN switching system. 4,868,812, 9-19-89, Cl. 370-56.000.
- Kruger, Jurgen: *See—*
  - Rabenecker, Horst; and Kruger, Jurgen, 4,856,818, Cl. 283-34.000.
- Kruger, Leo H., to National Starch and Chemical Corporation. Degradation of granular starch. 4,838,944, 6-13-89, Cl. 127-71.000.
- Kruger, Manfred: *See—*
  - Zeidler, Siegmund; and Kruger, Manfred, 4,842,306, Cl. 285-104.000.
- Kruger, Martin: *See—*
  - Rowson, Graham P.; Head, John C.; Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; and Rees, Richard, 4,889,553, Cl. 71-92.000.
  - Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; Rees, Richard; and Kotter, Clemens, 4,859,231, Cl. 71-93.000.
- Kruger, Michael, to Heidelberger Druckmaschinen AG. Temperature monitoring for a DC shunt-wound motor. 4,849,677, 7-18-89, Cl. 318-473.000.
- Kruger, Michael, to Heidelberger Druckmaschinen AG. Procedure and circuit arrangement for switching on an inductance subject to remanence. 4,879,477, 11-7-89, Cl. 307-239.000.
- Kruger, Michael: *See—*
  - Rodi, Anton; and Kruger, Michael, 4,832,329, Cl. 271-155.000.
- Kruger, Paul J. Composite panel, wall assembly and components therefor. 4,865,213, 9-12-89, Cl. 220-76.000.
- Kruger, Peter; and Federmann, Dieter, to Rockwell-Golde GmbH. Automobile roof having a lid associated with a roof opening. 4,811,985, 3-14-89, Cl. 296-214.000.
- Kruger, Peter: *See—*
  - Schmode, Hartmut; Kruger, Peter; and Wilmes, Manfred, 4,795,377, Cl. 439-727.000.
- Kruger, Robert A.; and Sorenson, James A., to University of Utah Research Foundation. Apparatus and method for enhancing radiographs and the like. 4,814,597, 3-21-89, Cl. 250-205.000.
- Kruger, Robert A., to Innovative Imaging Sciences, Inc. Enhancement method and system for X-ray imaging. 4,864,596, 9-5-89, Cl. 378-185.000.
- Kruger, Rolf: *See—*
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- Kruger, Uwe: *See—*
  - Keller, Heimo; Keppler, Bernhard; Kruger, Uwe; and Linder, Rudolf, 4,804,681, Cl. 514-493.000.
- Kruger, Volker; and Daenicke, Heinrich, to Eastman Christensen Company. Drill bit direct drive for deep well drilling tools. 4,854,401, 8-8-89, Cl. 175-107.000.
- Kruger, Volker; and Daenicke, Heinrich. Drill bit direct drive for deep well drilling tools. 4,889,195, 12-26-89, Cl. 175-107.000.
- Krugman, Robert. Reusable beverage container closure. 4,883,192, 11-28-89, Cl. 220-85.0SP.
- Kruhn, Jurgen, to Zeiss Ikon AG. Lock and key. 4,805,428, 2-21-89, Cl. 70-393.000.
- Kruis, Peter: *See—*
  - Young, John S.; Kruis, Peter; and Blewitt, William D., 4,797,654, Cl. 341-50.000.
- Kruishoop, Johan C. W., to U.S. Philips Corporation. Apparatus for exposing a UV-curable coating on a filamentary body. 4,849,640, 7-18-89, Cl. 250-492.100.
- Kruit, Pieter, to U.S. Philips Corporation. Electron detection with energy discrimination. 4,882,486, 11-21-89, Cl. 250-305.000.
- Kruithof, Cornelis: *See—*
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- Kruk, Stanislaw, to SKF GmbH. Double-row roller bearing assembly. 4,798,482, 1-17-89, Cl. 384-571.000.
- Kruka, Vitold R.; Kipp, Robert M.; and Cadena, Edward R., to Shell Oil Company. Shielded hydrophone assembly. 4,837,751, 6-6-89, Cl. 367-154.000.
- Krukas, David: *See—*
  - DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, 4,813,206, Cl. 53-137.000.
  - DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, 4,869,769, Cl. 156-269.000.
  - Lerner, Joseph S.; Krukas, David; and Novak, Steven C., 4,846,921, Cl. 156-352.000.
- Krukoski, Leon, to United Technologies Corporation. Control method for a gas turbine engine. 4,825,639, 5-2-89, Cl. 60-39.030.
- Krukoski, Leon, to United Technologies Corporation. Control system for a gas turbine engine. 4,864,813, 9-12-89, Cl. 60-39.290.
- Krulik, Gerald A., to Morton Thiokol, Inc. Apparatus for bailout elimination and for enhancing plating bath stability in electrosynthesis/electrodialysis electroless copper purification process. 4,805,553, 2-21-89, Cl. 118-603.000.
- Krull, Ulrich J.; and Thompson, Michael. Process for analysis using a lipid membrane. 4,849,343, 7-18-89, Cl. 435-7.000.
- Krull, Ulrich J.: *See—*
  - Thompson, Michael; Krull, Ulrich J.; and Kallury, Krishna M., 4,824,529, Cl. 204-1.00T.
- Krum, Richard G.: *See—*
  - Bingaman, Barrett P.; Krum, Richard G.; and Williams, James R., 4,858,808, Cl. 226-95.000.
- Krumbiegel, Gunter: *See—*
  - Gorler, Klaus; Krumbiegel, Gunter; Hanack, Michael; and Subramanian, Lakshmina R., 4,835,178, Cl. 514-463.000.
- Krumbock, Reinhard: *See—*
  - Bennoit, Horst; Frohlich, Walter; Holtermann, Rolf; and Krumbock, Reinhard, 4,851,134, Cl. 210-788.000.
  - Link, Gerhard; Frohlich, Walter; Krumbock, Reinhard; Prantl, Georg; and Schaffelhofer, Iwo, 4,798,914, Cl. 570-226.000.
- Krumboeck, Erwin: *See—*
  - Schobermayr, Harald; and Krumboeck, Erwin, 4,822,026, Cl. 272-3.000.
- Krumeich, Jorg H. Fixation ring for radial keratotomy. 4,844,060, 7-4-89, Cl. 128-303.00R.
- Krumeich, Jorg H.; and Nordan, Lee. Device for holding a cornea taken from a donated eye. 4,865,033, 9-12-89, Cl. 128-346.000.
- Krumeich, Jorg H.; and Quast, Norbert, to EyeTech AG. Device for retaining a disc obtained from a human cornea. 4,884,570, 12-5-89, Cl. 128-305.000.
- Krumel, Karl L.: *See—*
  - Gatling, Sterling C.; and Krumel, Karl L., 4,814,448, Cl. 546-25.000.
- Krumholz, Claus-Peter; and Walter, Thomas. Capacitive rotary transmitter for controlling and positioning displaced objects. 4,851,835, 7-25-89, Cl. 340-870.370.
- Krumkalns, Eriks V.; and Smiley, David L., to Eli Lilly and Company. Agriculturally useful sulfonamides. 4,874,775, 10-17-89, Cl. 514-357.000.
- Krumm, Klemens, to Reifenhauser GmbH & Co. Maschinenfabrik. Extrusion die for multilayer foils or plates of thermoplastic synthetic resin. 4,880,370, 11-14-89, Cl. 425-133.500.
- Krumm, Valentin; Gsell, Siegbert; and Cramer, Gottfried, to Lindauer Dornier Gesellschaft mbH. Weft thread brake mechanism for shuttleless looms. 4,817,681, 4-4-89, Cl. 139-450.000.
- Krumme, Jens-Peter: *See—*
  - Doorman, Volker; and Krumme, Jens-Peter, 4,849,080, Cl. 204-192.150.

- Krumme, John F.; and Cowell, Mark J., to Metcal, Inc. Conductive member having integrated self-regulating heaters. 4,795,870, 1-3-89, Cl. 219-9.500.
- Krummer, Thomas: *See—*
  - Kosmol, Joachim; and Krummer, Thomas, 4,795,357, Cl. 439-232.000.
- Krumscheid, G u/ nter. Flexible connecting bell for pipes. 4,846,511, 7-11-89, Cl. 285-235.000.
- Krumwiede, John F.; and Goode, Henry C., to PPG Industries, Inc. Barrier apparatus and method of use for melting and refining glass or the like. 4,818,265, 4-4-89, Cl. 65-135.000.
- Krupay, Bordan W.; and Reid, Lloyd E. Removal of impurities from n-methyl-pyrrolidone using highly pure water washed activated alumina. 4,837,338, 6-6-89, Cl. 548-555.000.
- Krupin, Theodore; and Stone, Richard A., to University of Pennsylvania, The Trustees of the. Method of lowering intraocular (eye) pressure. 4,853,375, 8-1-89, Cl. 514-152.000.
- Krupka, Mark J.: *See—*
  - Hater, Gary R.; Krupka, Mark J.; and Davis, Lois T., 4,810,385, Cl. 210-606.000.
- Krupke, William F.: *See—*
  - Payne, Stephen A.; Chase, Lloyd L.; Newkirk, Herbert W.; and Krupke, William F., 4,811,349, Cl. 372-41.000.
- Krupko, Mikhail T.: *See—*
  - Kozlov, Valery S.; Polyakova, Elena A.; Novikov, Alexei E.; and Krupko, Mikhail T., 4,806,862, Cl. 324-213.000.
  - Kozlov, Valery S.; Polyakova, Elena A.; Novikov, Alexei E.; and Krupko, Mikhail T., 4,884,028, Cl. 324-213.000.
- Krupnick, Steven B.; and Carlson, Gary F., to Webb Research, II, Inc. Eye patch. 4,867,146, 9-19-89, Cl. 128-858.000.
- Krupnik, Elliot, to Astronics Corporation. Low profile backlighted keyboard. 4,806,908, 2-21-89, Cl. 341-22.000.
- Krupp Corpoplast Maschinenbau GmbH: *See—*
  - Albrecht, Peter; Reymann, Wolfgang; Vogel, Klaus; and Werner, Hermann, 4,828,783, Cl. 264-292.000.
  - Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, 4,847,032, Cl. 264-322.000.
  - Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, 4,867,929, Cl. 264-521.000.
  - Just-Hanig, Christian, 4,846,663, Cl. 425-534.000.
- Krupp, Gerald L.: *See—*
  - Ryder, Francis E.; Johnson, Donald E.; and Krupp, Gerald L., 4,863,698, Cl. 422-116.000.
- Krupp, Joachim: *See—*
  - Ochel, Klaus-Peter; Krupp, Joachim; Heger, Josef; and Schweitzer, Martin, 4,856,985, Cl. 431-202.000.
- Krupp Kautex Maschinenbau GmbH.: *See—*
  - Daubenbuchel, Werner; and Jira, Alfred, 4,874,649, Cl. 428-36.500.
- Krupp-Koppers GmbH: *See—*
  - Diemer, Peter; and Deuser, Norbert, 4,810,417, Cl. 252-373.000.
  - Dutz, Karl-Hein; Linke, Adolf; Wilmer, Gerhard; and Kuehn, Michael, 4,825,638, Cl. 60-39.020.
  - Kohnen, Klaus; and Niermann, Hans, 4,807,698, Cl. 165-145.000.
  - Kohnen, Klaus; Niermann, Hans; and Pohl, Hans C., 4,818,252, Cl. 48-67.000.
  - Kohnen, Klaus; Niermann, Hans; and Ullrich, Norbert, 4,818,253, Cl. 48-67.000.
  - Schmid, Karl; Jokisch, Friedrich; Heese, Dieter H. W.; Hillinger, Bruno; Beckmann, Georg; and Heger, Norbert, 4,842,695, Cl. 202-228.000.
  - Wetzel, Rolf; Coenen, Hubert; and Kreuch, Winfried, 4,797,198, Cl. 208-181.000.
- Krupp MaK Maschinenbau GmbH: *See—*
  - Woidich, Richard; and Toobe, Werner, 4,854,260, Cl. 114-316.000.
- Krupp, Michael N.; and Swindell, Archie C., to Pfizer Inc. dl-5-[(2-benzyl-3,4-dihydro-2H-benzopyran-6-yl)methyl]thiazolidine-2,4-dione as an anti-atherosclerosis agent. 4,798,835, 1-17-89, Cl. 514-369.000.
- Krupp Polysius AG: *See—*
  - Bilawa, Hans; and Neumann, Eberhard, 4,846,666, Cl. 431-8.000.
  - Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmitz, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, 4,861,265, Cl. 432-103.000.
  - Heinemann, Otto; Baldus, Heinz-Dieter; and Schroder, Norbert, 4,880,172, Cl. 241-101.200.
  - Hoppe, Ernst; and Adrian, Franz-Josef, 4,838,071, Cl. 73-3.000.
  - Knobloch, Osbert; and Muller, Manfred, 4,875,628, Cl. 241-24.000.
  - Lohnherr, Ludger; and Holz, Walter, 4,889,289, Cl. 241-18.000.
  - Neumann, Eberhard W., 4,797,091, Cl. 432-14.000.
  - Tiggesbaumker, Peter; Durr, Manfred; Wurr, Jurgen; Krutzner, Karl; Rother, Wolfgang; Menzel, Karl; Schaberg, Frank; Klockenbusch, Heinrich; Unland, Georg; and Driemeier, Gunter, 4,808,108, Cl. 432-14.000.
  - Unland, Georg; and Driemeier, Gunter, 4,815,970, Cl. 432-106.000.
  - Unland, Georg; and Driemeier, Gunter, 4,840,561, Cl. 432-106.000.
  - Unland, Georg, 4,878,949, Cl. 106-100.000.
- Krupp, Stephen P.; Knickerbocker, Edward N.; and Bieser, John O., to Dow Chemical Company, The. Polyethylene fibers and spunbonded fabric or web. 4,842,922, 6-27-89, Cl. 428-198.000.
- Krupp Widia GmbH: *See—*
  - Erickson, Robert A., 4,836,068, Cl. 82-160.000.
- Kruppert, Friedrich W.: *See—*
  - McBain, Robert M.; Becze, Garry J.; Kruppert, Friedrich W.; and Leistner, Jack W., 4,803,037, Cl. 266-78.000.
- Krusas, James J.: *See—*
  - Desy, Raoul O.; and Krusas, James J., 4,856,109, Cl. 2-9.000.
- Kruschik, Klaus: *See—*
  - Nowak, Gerhard; Kruschik, Klaus; Morbitzer, Hans P.; Theuer, Rudolf; and Winter, Alfred, 4,880,252, Cl. 280-618.000.
- Kruschke, Howard L., to Minnesota Mining and Manufacturing Company. Abrasive grains in the shape of platelets. 4,848,041, 7-18-89, Cl. 51-309.000.
- Kruse, Alfred; Siegemund, Gunter; Schlich, Klaus; and Ruppert, Ingo, deceased (by Schroeder, Carl H., Administrator), to Hoechst Aktiengesellschaft. Process for the preparation of aryl perfluoroalkyl ketones. 4,835,318, 5-30-89, Cl. 568-319.000.
- Kruse, Alfred; Siegemund, Gunter; and Schwertfeger, Werner, to Hoechst Aktiengesellschaft. Process for the preparation of perfluorinated carbonyl fluorides. 4,874,557, 10-17-89, Cl. 562-851.000.
- Kruse, Bernd O.: *See—*
  - Bosse, Gerhard R.; Lienow, Michael; Spiegel, Bernt; and Kruse, Bernd O., 4,875,652, Cl. 248-311.200.
- Kruse, Cornelis: *See—*
  - Van Wijngaarden, Ineke; Kruse, Cornelis; Van Der Heyden, Johannes A. M.; and Tulp, Martinus T. M., 4,874,770, Cl. 514-326.000.
- Kruse, Gary L.; and Petersen, Bernard L., to Oliver Products Company. Countertop bread slicer with manually actuated cradle. 4,856,398, 8-15-89, Cl. 83-425.200.
- Kruse, Hans; Jacobs, Jochen; Altenschoepfer, Theodor; and Jeschke, Peter, to Henkel Kommanditgesellschaft auf Aktien. Multilayer detergent tablets for dishwashing machines. 4,828,749, 5-9-89, Cl. 252-135.000.
- Kruse, Hans; Jacobs, Jochen; Altenschoepfer, Theodor; and Jeschke, Peter, to Henkel Kommanditgesellschaft auf Aktien. Detergent tablets of uniform composition for dishwashing machines. 4,839,078, 6-13-89, Cl. 252-99.000.
- Kruse, Heinz J.: *See—*
  - Becker, Wilfried; Kruse, Heinz J.; and Pahnke, Klaus-Dieter, 4,867,067, Cl. 102-521.000.
- Kruse, Heinz-Josef; and Karius, Klaus D., to Rheinmetall GmbH. Projectile having a rotating band disposed on the projectile body. 4,803,929, 2-14-89, Cl. 102-524.000.
- Kruse, Heinz-Josef; Karius, Klaus D.; and Sippel, Achim, to Rheinmetall GmbH. Spin stabilized carrier projectile equipped with a driving band. 4,884,508 12-5-89, Cl. 102-524.000.
- Kruse, Heinz-Josef: *See—*
  - Sippel, Achim; Kruse, Heinz-Josef; and Karius, Klaus D., 4,870,905, Cl. 102-524.000.
- Kruse, Hubert: *See—*
  - Buhler, Ulrich; Kruse, Hubert; Kuhn, Reinhard; and Boos, Margareta, 4,851,012, Cl. 8-639.000
- Kruse, James W.; and Windle, W. Eric, to Navistar International Transportation Corp. Overload protection for D.C. circuits. 4,799,126, 1-17-89, Cl. 361-101.000.
- Kruse, James W.; Riley, Donald E.; and Windle, W. Eric, to Navistar International Transportation Corp. Multiplexed D.C. electrical systems for automotive vehicles. 4,845,465, 7-4-89, Cl. 340-468.000.
- Kruse, James W.: *See—*
  - Windle, W. Eric; and Kruse, James W., 4,809,177, Cl. 364-424.010.
- Kruse, Jurgen M.: *See—*
  - Price, John T.; and Kruse, Jurgen M., 4,849,120, Cl. 252-62.520.
- Kruse, Larry W., to Amoco Corporation. Fractionation for a C_6 paraffin isomerization process. 4,831,209, 5-16-89, Cl. 585-738.000.
- Kruse, Lawrence I., to SmithKline Beckman Corporation. 2-mercaptoimidazole dopamine-βhydroxylase inhibitors. 4,798,843, 1-17-89, Cl. 514-392.000.
- Kruse, Lawrence I.; and Ross, Stephen T., to SmithKline Beckman Corporation. 3-aralkyl-2-mercaptoyridines as dopamine-β-hydroxylase inhibitors. 4,839,371, 6-13-89, Cl. 514-345.000.
- Kruse, Lawrence I.; Leonard, Thomas B.; and Ross, Stephen T., to SmithKline Beckman Corporation. 1-aralkyl-2-mercaptoimidazolines as DBH inhibitors. 4,876,266, 10-24-89, Cl. 514-392.000.
- Kruse, Lawrence I.; Ross, Stephen T.; and Ohlstein, Eliot H., to SmithKline Beckman Corporation. 2-(aminoalkylthio)imidazoles as dopamine-β-hydroxylase inhibitors. 4,882,348, 11-21-89, Cl. 514-398.000.
- Kruse, Lawrence I.: *See—*
  - Coates, William J.; and Kruse, Lawrence I., 4,861,773, Cl. 514-222.800.
  - Finkelstein, Joseph A.; and Kruse, Lawrence I., 4,835,154, Cl. 514-252.000.
  - Finkelstein, Joseph A.; Kruse, Lawrence I.; and Leonard, Thomas B., 4,837,353, Cl. 560-39.000.
  - Finkelstein, Joseph A.; Kruse, Lawrence I.; and Leonard, Thomas B., 4,859,779, Cl. 538-321.000.
  - Kaiser, Carl; and Kruse, Lawrence I., 4,810,811, Cl. 558-235.000.
  - Kaiser, Carl; and Kruse, Lawrence I., 4,857,540, Cl. 514-387.000.
  - Kaiser, Carl; Kruse, Lawrence I.; and Ross, Stephen T., 4,873,357, Cl. 558-414.000.
- Kruse, Oliver M., to Brillion Iron Works, Inc. Farm implement having transport wheels and soil working rollers on rotating frame. 4,871,030, 10-3-89, Cl. 172-397.000.
- Kruse, Randy P.: *See—*
  - Johnson, Douglas R.; and Kruse, Randy P., 4,830,159, Cl. 192-53.00G.
- Kruse, Richard J.; and Hammer, David E., to Advanced Air Technologies, Inc. Gas mask filter for the removal of low level ethylene oxide contaminants from air comprising dried cationic exchange resins. 4,813,410, 3-21-89, Cl. 128-205.270.

Kruse, Richard J.; and Hammer, David E., to Advanced Air Technologies, Inc. Removal of low level ethylene oxide contaminants by treatment of contaminated gases with cationic exchange resins at gas-solid interface reaction conditions. 4,828,810, 5-9-89, Cl. 423-245.100.

Kruse, Wolfgang A.; and Boeke, Burkhard, to Huels Aktiengesellschaft. Process for the production of paste-forming vinyl chloride polymers. 4,804,728, 2-14-89, Cl. 526-209.000.

Krusing, Richard A.: *See—*

Flyer, Eric G.; Krusing, Richard A.; and Moseley, Elmer L., 4,887,470, Cl. 73-862.680

Kruska, Joseph A.: *See—*

Weisgerber, Thomas W.; and Kruska, Joseph A., 4,850,606, Cl. 280-96.000.

Kruske, Gerhard: *See—*

Maxeiner, Heinz; Kruske, Gerhard; and Reimann, Hartwig, 4,859,541, Cl. 428-545.000.

Krusos, Denis A.: *See—*

Di Santo, Frank J.; Krusos, Denis A.; and Lewit, Edward, 4,833,464, Cl. 340-793.000.

DiSanto, Frank J.; and Krusos, Denis A., 4,850,919, Cl. 445-24.000.

Di Santo, Frank J.; and Krusos, Denis A., 4,870,677, Cl. 379-96.000.

DiSanto, Frank J.; Krusos, Denis A.; and Schubert, Frederic E., 4,889,603, Cl. 204-180.100.

Kruss, Bernd: *See—*

Becker, Robert; Kruss, Bernd; and Schilk, Leonhard, 4,824,674, Cl. 424-427.000.

Krutenat, Richard C.; and Bangaru, Narasimha-Rao V., to Exxon Research and Engineering Company. Aluminide dispersed ferrite diffusion coating on austenitic stainless steel substrates. 4,835,010, 5-30-89, Cl. 427-250.000.

Krutov, Sergei V.: *See—*

Fedorov, Svyatoslav N.; Krutov, Sergei V.; Soloviev, Sergei A.; Alexandrova, Olga G.; and Korshunova, Nadezhda K., 4,799,478, Cl. 128-303.100.

Krutsch, John R., to Williams Electronics Games, Inc. Ball lifter mechanism. 4,848,748, 7-18-89, Cl. 273-121.00E.

Krutsch, John R., to Williams Electronics Games, Inc. Game cabinet. 4,865,322, 9-12-89, Cl. 273-121.00R.

Krutzik, Norbert: *See—*

Danisch, Ruediger; Krutzik, Norbert; Schad, Otto; Zerna, Wolfgang; and Stangenberg, Friedhelm, 4,851,184, Cl. 376-285.000.

Krutzner, Karl: *See—*

Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmits, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, 4,861,265, Cl. 432-103.000.

Tiggesbaumker, Peter; Durr, Manfred; Wurr, Jurgen; Krutzner, Karl; Rother, Wolfgang; Menzel, Karl; Schaberg, Frank; Klockenbusch, Heinrich; Unland, Georg; and Driemeier, Gunter, 4,808,108, Cl. 432-14.000.

Kruzel, Bryon S.: *See—*

Donnay, James A.; Jensen, Van E., Jr.; and Kruzel, Bryon S., 4,875,895, Cl. 493-117.000.

Kryazhevskikh, Nikolai F.: *See—*

Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.

Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Oleinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-18.000.

Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; and Shapovalov, Jury P., 4,839,047, Cl. 210-356.000.

Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; and Shapovalov, Jury P., 4,841,843, Cl. 91-459.000.

Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; Oleinik, Viktor N.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chajuk, Igor A.; Lipatov, Jury S.; Veselovsky, Roman A.; and Kiselevsky, Boris A., 4,865,673, Cl. 156-156.000.

Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; and Shapovalov, Jury P., 4,876,946, Cl. 92-93.000.

Kryder, Mark; Cain, William C.; and Meiklejohn, William H., to Carnegie-Mellon University. Magnetoresistive sensor element. 4,800,457, 1-24-89, Cl. 360-113.000.

Kryder, Mark H.; and Shieh, Han-Ping D., to Movid Information Technology, Inc. Single-head, direct overwrite magneto-optic system and method. 4,882,718, 11-21-89, Cl. 369-13.000.

Kryder, Mark H.; and Shieh, Han-Ping D. Method and system for erase before write magneto-optic recording. 4,888,750, 12-19-89, Cl. 369-13.000.

Krygier, S. James; and DeMayo, Alexander. Dental throat shield. 4,889,491, 12-26-89, Cl. 433-136.000.

Kryk, Louis: *See—*

Cotter, Terrence; Anderson, Theodore; Gansser, Robert; and Kryk, Louis, 4,823,441, Cl. 23-313.00R.

Kryos Energy Inc.: *See—*

Markbreiter, Stephen J.; and Weiss, Irving, 4,822,393, Cl. 62-17.000.

Krysel, Fred C., to Polar Tank Trailer, Inc. Air distribution head. 4,820,052, 4-11-89, Cl. 366-101.000.

Krysmann, Waldemar: *See—*

Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Daniel, Peter; Morgenstern, Rainer; Wehner, Wilfried; and Polster, Manfred, 4,801,300, Cl. 623-22.000.

Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Loewicke, Gerold; Knofler, Wolfram; and Graf, Hans-Ludwig, 4,832,602, Cl. 433-220.000.

Kurze, Peter; Krysmann, Waldemar; Knoefler, Wolfram; and Graf, Hans-Ludwig, 4,846,837, Cl. 623-16.000.

Kurze, Peter; Krysmann, Waldemar; Berger, Maria; Rabending, Klaus; Schreckenbach, Joachim; Schwarz, Thomas; and Hartmann, Karl-Heinz, 4,869,789, Cl. 204-56.100.

Krzelowski, Zygmunt P.: *See—*

Gagnon, Claude; Gelineau, Claude; Raymond, Pierre; Krzelowski, Zygmunt P.; and Galletly, George, 4,886,940, Cl. 174-88.00B.

Krzemien, Mark A.: *See—*

Goldstein, Clifford W.; Krzemien, Mark A.; and Witte, Jay, 4,850,602, Cl. 277-205.000.

Krzysik, Don J.: *See—*

Hampton, Keith; Krzysik, Don J.; and Lilley, Glen R., 4,841,924, Cl. 123-90.150.

Krzyston, John: *See—*

Artinyan, Arto; and Krzyston, John, 4,881,313, Cl. 29-163.800.

KSA Dichtsysteme GmbH & Co. KG: *See—*

Abele, Berthold W., 4,883,919, Cl. 174-93.000.

KSM Fastening Systems Inc.: *See—*

Pease, Charles C.; Schaeffer, Eugene P.; Bernd, Kevin L.; and Higton, David A., 4,842,465, Cl. 411-337.000.

Ksovreli, Robinzon I.; Didebulidze, Alexandr K.; Kochiev, Valery K.; and Gasseev, Amiran F., to Gruzinsky Selskokhozyaistvenny Institut. Electromagnetic oscillation motor. 4,885,487, 12-5-89, Cl. 310-36.000.

KST-Motorenversuch GmbH & Co. KG: *See—*

Wolf, Rainer; Volz, Juergen; Denkinger, Rainer; Nolte, Volker; and Hussy, Gerd, 4,869,498, Cl. 272-130.000.

Ksu, Sunny K., to Maxtor Corporation. Sensor array for focus detection. 4,816,665, 3-28-89, Cl. 250-201.000.

KT Technologies Inc.: *See—*

O'Connor, Lawrence J., 4,855,534, Cl. 174-36.000.

O'Connor, Lawrence J., 4,887,714, Cl. 206-411.000.

KTV Sicherheitstechnik GmbH: *See—*

Seifert, Harald, 4,803,468, Cl. 340-566.000.

KTX Co., Ltd.: *See—*

Noda, Yasuyoshi, 4,872,827, Cl. 425-526.000.

Ku, George; and Doherty, Niall, to Merrell Dow Pharmaceuticals Inc. Method of inhibiting interleukin-1 release. 4,870,101, 9-26-89, Cl. 514-476.000.

Ku, San-Mei: *See—*

Glang, Reinhard; and Ku, San-Mei, 4,871,684, Cl. 437-31.000.

Ku, Thomas W.: *See—*

Gleason, John G.; Hall, Ralph F.; Ku, Thomas W.; and Perchonock, Carl D., 4,874,792, Cl. 514-570.000.

Ku, Thomas Wen-Fu: *See—*

Gleason, John G.; Hall, Ralph F.; Ku, Thomas Wen-Fu; and Perchonock, Carl D., 4,820,719, Cl. 514-381.000.

Ku, Wayne W., to Eastman Kodak Company. Disposable web cleaning device for electrostatographic apparatus. 4,853,741, 8-1-89, Cl. 355-300.000.

Ku, Wayne W., to Eastman Kodak Company. Cleaning device for electrostatic imaging apparatus. 4,862,224, 8-29-89, Cl. 355-200.000.

Kuan, Jeremy T. H.; Hopkins, Mary E.; and Varga, Richard S., to R.J.F. International Corporation. Elastomeric thermoplastic compositions. 4,833,194, 5-23-89, Cl. 524-525.000.

Kuan Tsai, Susan S.: *See—*

Bedell, Stephen A.; and Kuan Tsai, Susan S., 4,808,284, Cl. 204-72.000.

Bedell, Stephen A.; and Kuan Tsai, Susan S., 4,814,051, Cl. 204-72.000.

Kuau Technology, Ltd.: *See—*

Decker, John A., Jr.; Decker, Linda M.; and Halford, Christopher J., 4,873,907, Cl. 84-291.000.

Kub, George F., Jr.: *See—*

Amos, Michael D.; Kovarik, David P.; and Kub, George F., Jr., 4,885,452, Cl. 219-130.400.

Kuba, Lawrence M.; and Privitera, David J., to Wang Laboratories, Inc. Support arm for computer keyboard. 4,844,388, 7-4-89, Cl. 248-1.00B.

Kubach, Hans: *See—*

Kirchner, Marcel; Kubach, Hans; and Hascher-Reichl, Asta, 4,795,098, Cl. 239-585.000.

Kubala, Thomas S.: *See—*

Ott, Edward L.; Conway, Timothy F.; and Kubala, Thomas S., 4,883,195, Cl. 220-339.000.

Kuban, Daniel P.; and Perkins, Gerald S., to Martin Marietta Energy Systems, Inc. Dual arm master controller for a bilateral servomanipulator. 4,883,400, 11-28-89. Cl. 414-2.000.

Kubarych, Kenneth G.: *See—*

Hensley, John J.; Waldhelm, Christian M.; Tohill, Henry J.; and Kubarych, Kenneth G., 4,878,678, Cl. 277-235.00A.

Kubat, Josef; and Qvist, Lars M. Method of facilitating comminution of wood and other types of vegetable biomass for use as fuel. 4,797,135, 1-10-89, Cl. 44-500.000.

Kubata, Milan; Soukup, Jiri; and Trhlik, Jiri, to Flitex. Tube with yarn catch place. 4,880,183, 11-14-89, Cl. 242-125.100.

Kubein-Messenburg, Dietmar; Meyer, Georg; and Bucking, Wolfram. Method for reconstruction of teeth in an upper jaw. 4,875,857, 10-24-89, Cl. 433-56.000.

Kubek, Daniel J.; and Kovach, Debra S., to UOP. Tertiary alkanolamine absorbent containing an ethyleneamine promoter and its method of use. 4,814,104, 3-21-89, Cl. 252-189.000.

Kubek, Dennis J., to Merck & Co. Inc. Recovery of pres2+s antigen. 4,883,865, 11-28-89, Cl. 530-415.000.

Kubel, Manfred; and Maisch, Gerhard, to Luk Lamellen und Kupplungsbau GmbH. Disc-shaped body for use in clutch plates. 4,836,350, 6-6-89, Cl. 192-106.100.

Kubelik, Igor, to Delphax Systems. Multiple source charged particle generation. 4,879,569, 11-7-89, Cl. 346-159.000.

Kuber, Stephen. Chimney cleanout tee cap lock. 4,838,243, 6-13-89, Cl. 126-280.000.

Kubersky, Hans-Peter; and Rollberg, Hans-Georg, to Henkel Kommanditgesellschaft auf Aktien. Process for activating and stabilizing catalyst compositions. 4,808,562, 2-28-89, Cl. 502-172.000.

Kubiak, Helmut: *See—*

Knop, Klaus; Wolters, Gunter; and Kubiak, Helmut, 4,852,996, Cl. 48-197.00R.

Kubiak, Jim; and Bliven, S. R. Mobile truss-making apparatus. 4,841,852, 6-27-89, Cl. 100-100.000.

Kubiak, Kenneth F., to Occidental Chemical Corporation. Method for the decoloration of chloro-xylene compositions. 4,885,417, 12-5-89, Cl. 570-211.000.

Kubicek, Donald H.: *See—*

Drake, Charles A.; and Kubicek, Donald H., 4,835,330, Cl. 585-516.000.

Ewert, Warren M.; Kubicek, Donald H.; and Drake, Charles A., 4,810,688, Cl. 502-174.000.

Ewert, Warren M.; Kubicek, Donald H.; and Drake, Charles A., 4,876,410, Cl. 585-516.000.

Kubicek, Todd R.; and Dieringer, Andrew M., to Oak Industries Inc. Railroad adzer debris removal means. 4,825,919, 5-2-89, Cl. 144-252.00R.

Kubick, Frederick W., to United Technologies Corporation. Prismatic ferroelectric beam steerer. 4,822,149, 4-18-89, Cl. 350-389.000.

Kubicki, Raymond S.: *See—*

Brown, Peter E.; Perry, Robert A.; and Kubicki, Raymond S., 4,850,947, Cl. 493-365.000.

Kubicko, Robert E.; Moores, Gregory E.; and Younger, William H., to Black & Decker. Auto-off coffee brewing system. 4,838,152, 6-13-89, Cl. 99-280.000.

Kubicko, Robert E.: *See—*

Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., 4,827,837, Cl. 99-280.000.

Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., 4,872,402, Cl. 99-280.000.

Kubik Enterprises, Inc.: *See—*

Miller, Kenneth C.; Sipos, Laszlo; and Sipos, Paul L., 4,815,057, Cl. 369-37.000.

Kubik, James: *See—*

Tsang, Peter; Rhee, Seong; Jacko, Michael; and Kubik, James, 4,883,023, Cl. 123-25.00A.

Kubik, James C., to Iota Instrumentation Company. Headwear-mounted periscopic display device. 4,869,575, 9-26-89, Cl. [illegible]4.000.

[illegible] Philip A. Self-regulated hydraulic oontrol system. 4,833,971, 5-30-89, Cl. 91-29.000.

Kubin, Helmut: *See—*

Schimmel, Johannes; Bauer, Harald; Burian, Gunther; Hulla, Heinz; Kagerer, Robert; and Kubin, Helmut, 4,885,690, Cl. 364-424.100.

Kubinec, James J., to Advanced Micro Devices, Inc. Time variant drive circuit for high speed bus driver to limit oscillations or ringing on a bus. 4,877,980, 10-31-89, Cl. 307-542.000.

Kubis, Charles S.; and Walter, John, to Continental Can Company, Inc. Pull tab storage and method of effecting same. 4,834,259, 5-30-89, Cl. 220-359.000.

Kubis, Charles S.; and Walter, John, to Continental Can Company, Inc. Carton lid transfer assembly. 4,848,060, 7-18-89, Cl. 53-308.000.

Kubis, Charles S.; and Walter, John, to Continental Can Company, Inc. Automatic article unloader. 4,863,011, 9-5-89, Cl. 198-705.000.

Kubis, Heribert; and Winter, Josef, to Man Nutzfahrzeuge GmbH. Cylinder head and combustion chamber sealing arrangement for a reciprocating piston. 4,867,118, 9-19-89, Cl. 123-193.0CH.

Kubis, Leon S., to Northern Telecom Limited. Method and apparatus for inserting pins into holes in perforate board members. 4,825,538, 5-2-89, Cl. 29-845.000.

Kubis, Leon S., to Northern Telecom Limited. Soldering pins into printed circuit boards. 4,877,176, 10-31-89, Cl. 228-173.500.

Kubisen, Steven J., Jr.: *See—*

Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853,423, Cl. 523-428.000.

Kubisiak, Michael P.: *See—*

Bertram, James L.; Myles, Willie L.; and Kubisiak, Michael P., 4,800,215, Cl. 523-414.000.

Kubitschek, James E.: *See—*

Long, Eugene C.; Kubitschek, James E.; and Horacek, Stephen M., 4,860,096, Cl. 358-101.000.

Kubli, Rudolf; and Wachter, Hanspeter, to Mettler Instruments AG. Apparatus, specifically a balance, having a display of results of successive function sequences. 4,862,401, 8-29-89, Cl. 364-710.070.

Kubo, Eiichi; Nagaoka, Koichi; Miyahara, Yoshiki; Kiriyama, Syunichi; and Mishima, Yasunobu, to Unitika Ltd. Polyolefinic biconstituent fiber and nonwove fabric produced therefrom. 4,874,666, 10-17-89, Cl. 428-398.000.

Kubo, Gerald G. Golf swing training device. 4,817,954, 4-4-89, Cl. 273-191.00R.

Kubo, Haruaki; Umeda, Mitsuru; and Iwakoshi, Hiromitsu, to Daishowa Seiki Co., Ltd.; and Mitsubishi Jukogyo Kabushiki Kaisha. Milling cutter. 4,799,838, 1-24-89, Cl. 409-234.000.

Kubo, Haruaki, to Daishowa Seiki Co., Ltd. Collet chuck. 4,817,972, 4-4-89, Cl. 299-42.000.

Kubo, Hiroshi, to Kabushiki Kaisha Toshiba. X-ray image intensifier with columnar crystal phosphor layer. 4,847,482, 7-11-89, Cl. 250-213.0VT.

Kubo, Hiroshi; and Yoshida, Atsuya, to Kabushiki Kaisha Toshiba. X-ray image intensifier having variable-size fluorescent crystals. 4,880,965, 11-14-89, Cl. 250-213.0VT.

Kubo, Hiroshi: *See—*

Endo, Hidehiro; Tanemoto, Kei; and Kubo, Hiroshi, 4,837,231, Cl. 501-91.000.

Kubo, Hiroyoshi: *See—*

Takahashi, Kazuo; and Kubo, Hiroyoshi, 4,874,954, Cl. 250-548.000.

Kubo, Isamu: *See—*

Seki, Kameharu; and Kubo, Isamu, 4,856,424, Cl. 101-128.400.

Kubo, Isao; Kaneko, Toshikazu; Iwaki, Hirofumi; Kajikawa, Yoji; Asaoka, Junichi; and Miyoshi, Jun, to Matsushita Electric Industrial, Co., Ltd. Cylindrical alkaline batteries. 4,869,978, 9-26-89, Cl. 429-165.000.

Kubo, Jun, to Nissan Motor Company, Limited. Anti-skid automotive brake control system including wheel deceleration calculation with shorter lag-time and method for performing calculation. 4,876,650, 10-24-89, Cl. 364-426.020.

Kubo, Jun: *See—*

Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, 4,835,970, Cl. 60-545.000.

Kubo, Junichi; and Suzuki, Kenji, to Nippon Oil Co., Ltd. Method for hydrocracking heavy fraction oil. 4,857,168, 8-15-89, Cl. 208-58.000.

Kubo, Kanji; and Ohno, Kenichi, to Honda Giken Kogyo Kabushiki Kaisha. Rear wheel steering device for front and rear wheel steering system. 4,796,904, 1-10-89, Cl. 280-91.000.

Kubo, Kanji, to Matsushita Electric Industrial Co., Ltd. Method and an apparatus for detecting tape speed of recording. 4,811,129, 3-7-89, Cl. 360-73.120.

Kubo, Kanji; Usuki, Naoshi; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, to Matsushita Electric Industrial Co., Ltd. Tracking control for a tape using pilot signals. 4,816,930, 3-28-89, Cl. 360-10.200.

Kubo, Kanji, to Honda Giken Kogyo Kabushiki Kaisha. Rear suspension system for automobiles. 4,840,396, 6-20-89, Cl. 280-690.000.

Kubo, Kanji, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle suspension system for a steerable wheel. 4,842,296, 6-27-89, Cl. 280-663.000.

Kubo, Kanji, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle suspension system for a steerable wheel. 4,878,688, 11-7-89, Cl. 280-693.000.

Kubo, Kanji: *See—*

Nakase, Hiromi; Kubo, Kanji; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, 4,868,692, Cl. 360-77.160.

Ohno, Kenichi; and Kubo, Kanji, 4,805,940, Cl. 280-91.000.

Kubo, Katsushi: *See—*

Yamamoto, Tetsuo; Hayashi, Hiroshi; Muta, Tenshiro; Hori, Yoshisada; and Kubo, Katsushi, 4,842,957, Cl. 428-622.000.

Kubo, Katsuyoshi: *See—*

Tohzuka, Takashi; Ishikawa, Sueyoshi; Kubo, Katsuyoshi; Honda, Yoshitaka; Ohmure, Yukio; and Kataoka, Norio, 4,836,944, Cl. 252-54.000.

Kubo, Kazuhiko; Usui, Akira; Miyata, Minoru; Ikuhara, Hideyuki; Nagai, Hiroyuki; and Yamada, Tadashi, to Matsushita Electric Industrial Co., Ltd. Channel selection apparatus having automatic frequency compensation for transmission frequency error. 4,817,195, 3-28-89, Cl. 455-192.000.

Kubo, Kazuhiko; Saitou, Susumu; Usui, Akira; and Nagai, Hiroyuki, to Matsushita Electric Industrial Co., Ltd. Shielding device. 4,861,941, 8-29-89, Cl. 174-35.00R.

Kubo, Kazuhiko: *See—*

Ikuhara, Hideyuki; Usui, Akira; Kubo, Kazuhiko; Nagai, Hiroyuki; and Kutsuki, Tetsuo, 4,835,492, Cl. 331-117.00D.

Takahashi, Akira; Shibahara, Kazuo; Morimoto, Katsuhiro; Samma, Hiromasa; and Kubo, Kazuhiko, 4,853,351, Cl. 501-87.000.

Usui, Akira; Kubo, Kazuhiko; and Nagai, Hiroyuki, 4,797,638, Cl. 331-117.00D.

Kubo, Kazuhiro: *See—*

Nakamura, Joji; Kubo, Kazuhiro; Ichikawa, Shunji; Takahashi, Hajime; Isozumi, Keisuke; and Yamada, Toyofumi, 4,824,842, Cl. 514-227.500.

Okazaki, Kei; Oshima, Etsuo; Obase, Hiroyuki; Oiji, Yoshimasa; Nito, Masaaki; and Kubo, Kazuhiro, 4,849,441, Cl. 514-414.000.

Oshima, Etsuo; Obase, Hiroyuki; Karasawa, Akira; Kubo, Kazuhiro; Miki, Ichiro; and Ishii, Akio, 4,882,351, Cl. 514-431.000.

Kubo, Kazuo; Tsuboi, Noboru; Nishitani, Kunihiko; and Nomura, Ituro, to Kabushiki Kaisha Kobe Seiko Sho. Oil-free screw compressor with bypass of cooled discharged gas. 4,812,110, 3-14-89, Cl. 418-1.000.

Kubo, Kazuo; Nomura, Itsuro; Nishitani, Kunihiko; and Tsuboi, Noboru, to Kabushiki Kaisha Kobe Seiko Sho. Mechanically driven screw supercharger. 4,826,412, 5-2-89, Cl. 418-180.000.

Kubo, Kazuo: *See—*

Sumimoto, Takashi; Hirochika, Takashi; Imanishi, Hideki; and Kubo, Kazuo, 4,815,556, Cl. 180-311.000.

Kubo, Kiichirou; Kanazaki, Mikio; and Toma, Shinobu, to Hitachi, Ltd.; and Hitachi Device Engineering Co., Ltd. Liquid crystal display device having an extention metal film wiring which is covered by polyimide layer having low viscosity under 1.0 poise before curing. 4,826,297, 5-2-89, Cl. 350-339.00R.

Kubo, Kunimichi: *See—*

Sano, Akira; Kubo, Kunimichi; and Matsuura, Kazuo, 4,849,390, Cl. 502-113.000.

Kubo, Makoto: *See—*

Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu; and Yamanishi, Masaji, 4,846,947, Cl. 204-182.400.

Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu; Yamanishi, Masaji; and Hirota, Hajime, 4,885,112, Cl. 252-352.000.

Kubo, Masaaki: *See—*

Matsuoka, Noriyuki; and Kubo, Masaaki, 4,881,639, Cl. 206-328.000.

Kubo, Masachika: *See—*

Yachi, Yoshinori; Kubo, Masachika; Miwa, Masaki; and Ojika, Yoshihiko, 4,832,746, Cl. 106-99.000.

Kubo, Masaharu: *See—*

Homma, Noriyuki; Nakamura, Tohru; Nakazato, Kazuo; Matsumoto, Motoaki; Hayashida, Tetsuya; Kubo, Masaharu; and Sagara, Kazuhiko, 4,858,184, Cl. 365-174.000.

Kubo, Masahiro, to Nitto System Technology Inc. Method for removing top tape element from chip tape and device therefor. 4,820,369, 4-11-89, Cl. 156-344.000.

Kubo, Masahiro; and Ohtsubo, Yasuo, to Kabushiki Kaisha Toshiba. Magnetic disk apparatus having a structure suitable for measuring a minute flying weight. 4,866,553, 9-12-89, Cl. 360-103.000.

Kubo, Masahiro: *See—*

Aramaki, Minoru; Kubo, Masahiro; Nakano, Hisaji; and Kurashige, Hiroyuki, 4,863,762, Cl. 427-255.600.

Hamajima, Kaneo; Tanaka, Atsuo; Kubo, Masahiro; and Dohnomoto, Tadashi, 4,852,630, Cl. 164-761.000.

Kubota, Shigeru; Kanou, Shoji; and Kubo, Masahiro, 4,801,044, Cl. 221-163.000.

Kubo, Masami; Ochiai, Takashi; and Yuasa, Hirofumi, to Tanabe Seiyaku Co., Ltd. Agent for prophylaxis and treatment of cardiac hypertrophy. 4,888,339, 12-19-89, Cl. 514-392.000.

Kubo, Masami: *See—*

Yamaguchi, Isao; Nishiyama, Shinsuke; and Kubo, Masami, 4,804,672, Cl. 514-392.000.

Kubo, Masashige: *See—*

Okisaki, Fumio; Kubo, Masashige; and Sakka, Hideo, 4,822,931, Cl. 570-208.000.

Kubo, Michihiro: *See—*

Mikami, Yoshiharu; Kubo, Michihiro; and Kabumoto, Takashi, 4,844,190, Cl. 177-25.180.

Mikami, Yoshiharu; Kubo, Michihiro; and Fukuda, Masao, 4,844,191, Cl. 177-25.180.

Kubo, Michinori; and Matsuda, Reiko, to Senju Pharmaceutical Co., Ltd. Compositions and method for decomposing adipose tissue. 4,859,468, 8-22-89, Cl. 424-195.100.

Kubo, Michinori: *See—*

Tokumaru, Sennosuke; Kubo, Michinori; and Nogami, Mari, 4,797,290, Cl. 426-43.000.

Kubo, Minoru: *See—*

Ban, Yuzaburo; Manno, Masaya; Kubo, Minoru; Morisaki, Mototsugu; and Ogura, Mototsugu, 4,885,260, Cl. 437-81.000.

Kubo, Mitsumasa; and Araki, Tetsuro, to Teac Corporation. Wide dynamic range digital to analog conversion method and systems. 4,845,498, 7-4-89, Cl. 341-131.000.

Kubo, Motonobu; and Shimizu, Yoshiki, to Daikin Industries, Ltd. Process for preparing fluorine-substituted alicyclic diol. 4,873,375, 10-10-89, Cl. 568-812.000.

Kubo, Motonobu: *See—*

Tamaru, Sinji; and Kubo, Motonobu, 4,841,005, Cl. 526-245.000.

Tamaru, Sinji; and Kubo, Motonobu, 4,841,093, Cl. 560-65.000.

Tamaru, Sinji; Kubo, Motonobu; and Kashiwagi, Masato, 4,877,859, Cl. 528-129.000.

Kubo, Mutsuo; and Katsuno, Yoshiaki, to Nippon Seiko Kabushiki Kaisha. Ball bearing and the retainer thereof. 4,838,712, 6-13-89, Cl. 384-523.000.

Kubo, Nobuaki: *See—*

Tsutsui, Koichi; Ikeda, Shoji; Nishizawa, Koji; Yagi, Makoto; and Kubo, Nobuaki, 4,867,573, Cl. 366-114.000.

Kubo, Seiichiro: *See—*

Hasegawa, Kenji; Matsui, Kyaji; Kita, Seiji; Kubo, Seiichiro; and Iida, Seiichi, 4,795,444, Cl. 604-218.000.

Kubo, Seitoku; Kuramochi, Koujiro; and Kyushima, Tatsuo, to Toyota Jidosha Kogyo Kabushiki Kaisha. Transmission control system with protection against excessively high speed downshifting. 4,817,472, 4-4-89, Cl. 74-869.000.

Kubo, Seitoku: *See—*

Asada, Toshiyuki; Kubo, Seitoku; Nakamura, Shinya; Kinoshita, Masafumi; and Kuroda, Takaaki, 4,879,921, Cl. 74-467.000.

Funahashi, Makoto; Kubo, Seitoku; and Nakamura, Shinya, 4,856,381, Cl. 74-867.000.

Hamano, Yukio; Kubo, Seitoku; and Taga, Yutaka, 4,803,901, Cl. 74-867.000.

Hayabuchi, Masahiro; Tsukamoto, Kazumasa; Takahashi, Tokuyuki; Kubo, Seitoku; and Kuramochi, Koujiro, 4,866,935, Cl. 60-361.000.

Kashihara, Yuji; Taga, Yutaka; and Kubo, Seitoku, 4,882,952, Cl. 74-867.000.

Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshihara, 4,875,665, Cl. 267-170.000.

Moroto, Shuzo; Sumiya, Koji; Sakaguchi, Yoshikazu; Kubo, Seitoku; and Taga, Yutaka, 4,854,195, Cl. 74-867.000.

Numazawa, Akio; Kubo, Seitoku; and Kuramochi, Koujiro, 4,836,050, Cl. 74-695.000.

Shioda, Yasuhiro; Nakamura, Shinya; Funahashi, Makoto; and Kubo, Seitoku, 4,881,725, Cl. 267-179.000.

Kubo, Setsuo, to Kabushiki Kaisha Dymosha. Opening method for reinforced concrete wall. 4,821,703, 4-18-89, Cl. 125-1.000.

Kubo, Shinji; Funato, Ryo; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, to Mitsubishi Rayon Co., Ltd. Polyester resin for toner and process for its production. 4,866,158, 9-12-89, Cl. 528-272.000.

Kubo, Shinji: *See—*

Funato, Ryo; Kubo, Shinji; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,849,495, Cl. 528-194.000.

Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Kubo, Shinji, 4,841,057, Cl. 546-183.000.

Kubo, Shoichi: *See—*

Okabe, Mitsuo; Tomita, Hirohito; and Kubo, Shoichi, 4,818,586, Cl. 428-201.000.

Kubo, Soichi: *See—*

Fukumoto, Masatoshi; Kubo, Soichi; Miyake, Yoichi; Tsukada, Norishige; Kasutani, Kiyoshi; and Okamori, Kenji, 4,853,794, Cl. 358-447.000.

Kubo, Susumu, to Kabushiki Kaisha Toshiba. Information transmission control apparatus for elevator system. 4,860,207, 8-22-89, Cl. 364-424.010.

Kubo, Takahiro: *See—*

Tajima, Hatsuo; Kubo, Takahiro; and Tajika, Hiroshi, 4,876,574, Cl. 355-253.000.

Kubo, Takako: *See—*

Fujihara, Takeo; Yamatani, Akira; Yamamoto, Masanori; and Kubo, Takako, 4,795,082, Cl. 229-109.000.

Kubo, Takashige: *See—*

Ikegaya, Hiroshi; Umeno, Hidenori; Kubo, Takashige; Ukai, Yoshio; and Sugama, Nobuyoshi, 4,802,084, Cl. 364-200.000.

Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364 490.000.

Umeno, Hidenori; Kubo, Takashige; Hagiwara, Nobutaka; Sato, Hiroaki; and Sawamoto, Hideo, 4,885,081, Cl. 364-200.000.

Kubo, Tetsuo: *See—*

Matuda, Shinichi; Furuya, Kenji; and Kubo, Tetsuo, 4,837,473, Cl. 310-237.000.

Kubo, Toshio: *See—*

Imahashi, Hiromichi; Kubo, Toshio; Asahi, Kazumi; Mukai, Hideyuki; and Ogata, Keizo, 4,863,679, Cl. 376-417.000.

Kubo, Toyohide, to Awa Engineering Co., Ltd. Apparatus for loading reel hubs into cassettes. 4,803,776, 2-14-89, Cl. 29-806.000.

Kubo, Toyohide, to Awa Engineering Co., Ltd. Apparatus for winding magnetic tape into cassettes. 4,828,194, 5-9-89, Cl. 242-56.00R.

Kubo, Tsutomu; Asano, Kenichi; Kikuchi, Hiroaki; and Suzuki, Mitsuyoshi, to Mitsubishi Denki Kabushiki Kaisha. Video encoding apparatus including movement compensation. 4,837,632, 6-6-89, Cl. 358-222.000.

Kubo, Yoshimasa; Hondo, Masao; Tanaka, Masashi; and Asahi, Akihiko, to Kabushiki Kaisha Akita. Block-formed basidiomycete and a method of cultivation for the same. 4,873,195, 10-10-89, Cl. 435-254.000.

Kubo, Yoshiyuki: *See—*

Kamata, Akira; Kubo, Yoshiyuki; Umemura, Yasuo; and Tsuyuguchi, Hirohumi, 4,821,555, Cl. 72-391.000.

Kubo, Yuji: *See—*

Yoshida, Katsuhira; and Kubo, Yuji, 4,873,332, Cl. 546-7.000.

Kubodera, Akiko; Tanaka, Touichi; and Komori, Yukimichi, to Nihon Medi-Physics Co., Ltd. Diagnostic agent for breast cancer or tumor. 4,888,163, 12-19-89, Cl. 424-1.100.

Kubodera, Masao, to Uni Colloid Kabushiki Kaisha. Glucomannan/polyhydric alcohol composition and film prepared therefrom. 4,851,394, 7-25-89, Cl. 514-54.000.

Kubodera, Seiiti; and Nakamine, Takeshi, to Fuji Photo Film Co., Ltd. Heat-sensitive transfer material. 4,873,220, 10-10-89, Cl. 503-227.000.

Kubodera, Seiiti; and Minagawa, Nobuhiko, to Fuji Photo Film Co. Ltd. Heat transfer dye-receiving sheet. 4,886,775, 12-12-89, Cl. 503-227.000.

Kubodera, Seiiti: *See—*

Kamiyama, Kozi; Okazaki, Yoji; Okazaki, Masaki; Kubodera, Seiiti; and Takeuchi, Syozo, 4,830,447, Cl. 350-96.120.

Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, to Kyocera Corporation. Camera. 4,875,065, 10-17-89, Cl. 354-82.000.

Kubodera, Takeshi: *See—*

Hiramoto, Tsutomu; Fukasawa, Satoshi; Kubodera, Takeshi; Hirose, Kimimoto; Shinozaki, Sohji; and Yasufuku, Yoshitaka, 4,832,301, Cl. 248-359.00H.

Kuboi, Sadao; and Ohtsuki, Tomonari, to Daiichi Denshi Kogyo Kabushiki Kaisha. Drip-proof connector. 4,797,122, 1-10-89, Cl. 439-589.000.

Kuboki, Shigeo: *See—*

Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,829,201, Cl. 307-446.000.

Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,890,017, Cl. 307-446.000.

Kuboki, Yoshinori; Fujimoto, Daisaburo; Aoki, Hideki; and Fujita, Keijiro, to Dental Kagaku Kabushiki Kaisha. Apatite immobilized glucanase. 4,812,404, 3-14-89, Cl. 435-175.000.

Kubono, Tadashi: *See—*

Suzuki, Kunio; Takamura, Masayuki; and Kubono, Tadashi, 4,884,623, Cl. 164-129.000.

Kubosawa, Hajime; and Ishiguro, Masato, to Fujitsu Limited. Master slice type integrated circuit. 4,837,461, 6-6-89, Cl. 307-303.000.

Kubosawa, Hajime; and Naitoh, Mitsugu, to Fujitsu Limited. Gate array having transistor buried in interconnection region. 4,851,891, 7-25-89, Cl. 357-42.000.

Kuboshima, Katsumi: *See—*

Kato, Eiji; Kuboshima, Katsumi; and Kaneko, Tomoyuki, 4,883,196, Cl. 220-415.000.

Kubota, Akihiro: *See—*

Ono, Michio; Kubota, Akihiro; Aoki, Tsuyoshi; Inoue, Osamu; and Sugiura, Rikio, 4,801,997, Cl. 357-70.000.

Kubota, Atsuhiko: *See—*

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Kubota, Atsuko; Matsushita, Yoshiaki; and Ohwada, Yoshiaki, to Kabushiki Kaisha Toshiba. Method for predicting density of micro crystal defects in semiconductor element from silicon wafer used in the manufacture of the element, and infrared absorption measurement apparatus for this method. 4,862,000, 8-29-89, Cl. 250-341.000.

Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, to Canon Kabushiki Kaisha. Image forming apparatus capable of designating area to be copied of original. 4,812,874, 3-14-89, Cl. 355-7.000.

Kubota, Atsushi: *See—*

Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.

Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.

Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.

Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.

Kubota, Eiji: *See—*

Kobayashi, Tsutomu; Otsuka, Kiichiro; Kubota, Eiji; and Kobayashi, Tatsuji, 4,818,863, Cl. 250-288.000.

Kubota, Hachiro: *See—*

Ishii, Shiro; Kubota, Hachiro; Hida, Toshiharu; and Migita, Junichiro, 4,807,530, Cl. 102-333.000.

Katayama, Takaaki; Ishii, Shiro; Hitotsuya, Koretoshi; and Kubota, Hachiro, 4,816,194, Cl. 264-16.000.

Kubota, Hayato: *See—*

Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, [illegible]; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubota, [illegible] 4,795,569, Cl. 210-770.000.

Kubota, [illegible]: *See—*

Fushimi, Satoru; Nakagawa, Yasuo; Kuni, Asahiro; Kubota, Hitoshi; and Koshishiba, Hiroya, 4,814,615, Cl. 250-311.000.

Mitomi, Takashi; and Kubota, Hitoshi, 4,803,640, Cl. 364-513.000.

Nakagawa, Toru; Kubota, Hitoshi; and Sakurai, Yasuo, 4,841,430, Cl. 364-167.010.

Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, 4,835,970, Cl. 60-545.000.

Kubota, Ikuya: *See—*

Aruga, Akio; Kubota, Ikuya; Kuroiwa, Tetsuo; and Misawa, Yoshisada, 4,844,048, Cl. 126-21.00R.

Kubota, Isao: *See—*

Kawaguchi, Toshiaki; Sasaki, Tsutomu; Fukumoto, Takaaki; Funada, Yutaka; Kubota, Isao; Hama, Masaharu; and Terada, Nobuyoshi, 4,834,137, Cl. 137-557.000.

Kubota, Jun, to Fuji Photo Film Co., Ltd. Image reading method and apparatus. 4,803,561, 2-7-89, Cl. 358-285.000.

Kubota, Katsuhisa, to Fujitsu Limited. Test system for random access memory. 4,849,973, 7-18-89, Cl. 371-21.000.

Kubota, Katuhisa, to Fujitsu Limited. Master slave latch circuit with race prevention. 4,841,168, 6-20-89, Cl. 307-272.200.

Kubota, Kazuhiro: *See—*

Suka, Hisao; Iwao, Akira; Kubota, Kazuhiro; Ishii, Yoshitaro; and Sunagawa, Masao, 4,809,394, Cl. 15-327.00R.

Kubota, Kazuhisa; Hirose, Hisashi; Sakakibara, Takao; Miyake, Yasuo; and Mizutani, Sinzi, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Rotary shaft coupling device. 4,806,809, 2-21-89, Cl. 310-75.00D.

Kubota, Kazumi; Kobayashi, Kazushi; and Ogura, Toshihiko, to Hitachi, Ltd. Arithmetic-logic operation unit having high-order and low-order processing sections and selectors for control of carry flag transfer therebetween. 4,872,131, 10-3-89, Cl. 364-736.000.

Kubota, Kazunori: *See—*

Yamazaki, Hideo; and Kubota, Kazunori, 4,880,223, Cl. 271-293.000.

Kubota, Kazuo; and Sakaguchi, Masaaki, to Fuji Photo Film Co., Ltd. Magnetic tape loading method and apparatus. 4,838,496, 6-13-89, Cl. 242-67.10R.

Kubota, Kazuo; and Sakaguchi, Masaaki, to Fuji Photo Film Co., Ltd. Method and device for winding magnetic tape using magnetic alignment. 4,842,210, 6-27-89, Cl. 242-67.10R.

Kubota, Kazuo: *See—*

Hayashi, Youichi; Kubota, Kazuo; and Sakaguchi, Masaaki, 4,870,291, Cl. 250-570.000.

Masaaki, Sakaguchi; and Kubota, Kazuo, 4,864,122, Cl. 250-223.00R.

Kubota, Kazuyuki: *See—*

Johdai, Akiyoshi; Kinoshita, Keichi; Kubota, Kazuyuki; Matsui, Toshio; Yamada, Hirokazu; and Ohta, Masaya, 4,814,825, Cl. 355-14.0SH.

Kubota, Kenichi, to Tohoku Mikuni Kogyo Kabushiki Kaisha. Pump with rotating and reciprocating piston. 4,797,073, 1-10-89, Cl. 417-461.000.

Kubota, Koichi: *See—*

Tomiyama, Tsuyoshi; Tomiyama, Akira; and Kubota, Koichi, 4,797,415, Cl. 514-469.000.

Kubota, Kouhei: *See—*

Okada, Atsuyuki; Kubota, Kouhei; Satoh, Tsutomu; Gotoh, Hiroshi; and Oziro, Takeshi, 4,882,126, Cl. 420-516.000.

Kubota, Ltd.: *See—*

Aketa, Masahiro; Yamashita, Masahiro; Torii, Satoshi; and Ikeshima, Tetsuro, 4,807,811, Cl. 239-91.000.

Aketa, Masahiro; and Fujii, Satoshi, 4,848.658, Cl. 239-88.000.

Fujii, Yasuo; and Hayashi, Masahiko, 4,868,752, Cl. 364-424.020.

Fujii, Yasuo; and Hayashi, Masahiko, 4,873,644, Cl. 364-478.000.

Fujimoto, Satoshi, 4,811,552, Cl. 56-11.800.

Fukuta, Shigemi; Amakasu, Toshinari; Ugata, Ken; and Yoshino, Shoichi, 4,798,615, Cl. 65-4.400.

Hataura, Kiyoshi; and Nagahama, Masahiro, 4,798,183, Cl. 123-279.000.

Hojo, Sadamune; Iwamoto, Toshiyuki; Arakawa, Noriyuki; and Narita, Terutaka, 4,863,199, Cl. 285-232.000.

Horii, Yasuyuki; and Yoshii, Takashi, 4,794,807, Cl. 74-15.840.

Ikebuchi, Iwao; Nakano, Mamoru; Fuse, Kazuo; and Ganze, Akira, 4,872,973, Cl. 209-144.000.

Ikeda, Kenji, 4,858,435, Cl. 60-441.000.

Iritani, Hirofumi, 4,804,060, Cl. 180-233.000.

Ishiguro, Toshio; Mizota, Hideaki; and Aoki, Tuyoshi, 4,863,337, Cl. 414-699.000.

Ishii, Akira; and Ito, Ryoichi, 4,856,470, Cl. 123-195.00C.

Ito, Ryoichi; Iwai, Koji; Nishida, Tsuyoshi; and Kimura, Junji, 4,883,024, Cl. 123-41.700.

Kawamura, Shoichiro; Nakao, Tadashi; and Nozaka, Kenkichi, 4,825,568, Cl. 37-118.00R.

Kawasaki, Masami; Sanpei, Keiichi; and Nishida, Tetsuya, 4,845,929, Cl. 56-17.500.

Kourogi, Isao; Masuda, Keiichi; Hirooka, Masami; Tomiyama, Yoshio; Yoshiuchi, Kazunori; and Gokenya, Takashi, 4,802,814, Cl. 414-686.000.

Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,819, Cl. 29-157.10A.

Nakamura, Tadashi; Fujita, Satoshi; and Ishida, Eiichi, 4,886,135, Cl. 180-68.100.

Nakata, Masaru; and Kitao, Yuichi, 4,798,260, Cl. 180-253.000.

Nozaka, Kenkichi; Kawahara, Yosihiro; Kitamura, Yuji; Morita, Shigeru; and Takahashi, Sadayuki, 4,836,738, Cl. 414-607.000.

Nozaka, Kenkichi; Kawahara, Yosihiro; and Fukutaka, Takashi, 4,884,639, Cl. 172-47.000.

Nozaka, Kenkichi; Kawahara, Yoshihiro; Fukutaka, Takashi; and Horie, Fumiharu, 4,887,680, Cl. 180-53.300.

Oshima, Hiroshi; Sadakane, Hirofumi; Katayama, Takao; Takakura, Jinnosuke; and Fujioka, Hisatake, 4,882,897, Cl. 56-11.300.

Samejima, Kazuo; Tsuchihashi, Hironori; Sato, Tsuyoshi; Hamada, Toshihiko; Kida, Hideo; and Kasamatsu, Kiyoto, 4,882,898, Cl. 56-208.000.

Shimamura, Teruo; Sakatsuji, Takao; and Furukawa, Kazuo, 4,829,754, Cl. 56-15.900.

Takagi, Masao; Miyahara, Masayoshi; and Toshikuni, Nobuyuki, 4,824,128, Cl. 180-53.100.

Takei, Terutaka; Morita, Shigeru; and Kawakita, Hiroaki, 4,887,686, Cl. 180-211.000.

Teraoka, Akira; and Shikiya, Hajime, 4,856,611, Cl. 180-233.000.

Toshikuni, Nobuyuki; Takagi, Masao; and Nishiguchi, Nobuyuki, 4,804,056, Cl. 180-70.100.

Umemoto, Tomeo, 4,862,988, Cl. 180-246.000.

Yamada, Kiichiro; and Nishida, Tsuyoshi, 4,825,816, Cl. 123-41.570.
Yamada, Kiichiro, 4,873,944, Cl. 123-41.570.
Yoshii, Takashi; and Iinuma, Humitoshi, 4,881,417, Cl. 74-15.840.
Kubota, Makoto; Kumura, Tatsuo; Saito, Junichi; Kobayashi, Tomio; and Sato, Heikichi, to Sony Corporation. Magnetic transducer head with inclined magnetic gap. 4,819,113, 4-4-89, Cl. 360-126.000.
Kubota, Masafumi: *See—*
Mizuno, Bunji; and Kubota, Masafumi, 4,837,172, Cl. 437-011.000.
Tamaki, Tokuhiko; and Kubota, Masafumi, 4,845,048, Cl. 437-62.000.
Kubota, Masaru, to Shiojiri Kogyo Kabushiki Kaisha. Apparatus for correcting a timepiece display. 4,845,693, 7-4-89, Cl. 368-185.000.
Kubota, Masaru: *See—*
Hiraga, Imao; Shimura, Noriaki; Okakura, Yojiro; Kubota, Masaru; and Takashi, Osamu, 4,862,432, Cl. 368-88.000.
Nakagawa, Nozomu; Kubota, Masaru; and Chino, Shuichi, 4,861,814, Cl. 524-102.000.
Kubota, Mineo; and Isomura, Tuyos, to Nippon Seimitsu Kogyo Kabushiki Kaisha. Method and device for interfacing an image scanner with an image processing device. 4,866,535, 9-12-89, Cl. 358-474.000.
Kubota, Misao; Sugai, Osamu; Goto, Tetsuo; Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, to Totoku Electric Co., Ltd.; and Totoku Electric Power Company, Incorporated. Filter apparatus for removing plankton. 4,830,747, 5-16-89, Cl. 210-203.000.
Kubota, Mitsuji: *See—*
Sawai, Mamoru; Watanabe, Mitsugu; and Kubota, Mitsuji, 4,850,884, Cl. 439-76.000.
Kubota, Norio, to Murata Kikai Kabushiki Kaisha. Method for detecting a found yarn end. 4,848,688, 7-18-89, Cl. 242-18.00R.
Kubota, Norio: *See—*
Tone, Shoichi; and Kubota, Norio, 4,858,836, Cl. 242-18.00R.
Kubota, Osamu: *See—*
Inoue, Kazuo; Kubota, Osamu; Kishi, Noriyuki; and Katoh, Atsushi, 4,848,086, Cl. 60-602.000.
Inoue, Kazuo; Kubota, Osamu; Yano, Shunji; Tateishi, Fusao; Noda, Etsuo; Yamaguchi, Koji; and Endo, Tsuneo, 4,880,351, Cl. 415-164.000.
Kubota, Reiko: *See—*
Tahara, Yoshiyuki; Koyama, Hiroyasu; Komatsu, Yasuhiro; Kubota, Reiko; and Takahashi, Toshihiro, 4,857,529, Cl. 514-255.000.
Kubota, Robin M.; Thomas, Sharon M.; Chapdelaine, Albert H.; and Courtright, Steven B., to Wm. Wrigley Jr. Company. Method of making chewing gum. 4,806,364, 2-21-89, Cl. 426-5.000.
Kubota, Saburo: *See—*
Sakurai, Tutomu; Ota, Keishiro; Kubota, Saburo; Miyata, Masanobu; and Fujiwara, Hiroshi, 4,847,613, Cl. 340-825.210.
Kubota, Shigeru; Kanou, Shoji; and Kubo, Masahiro, to Nitto Kogyo Kabushiki Kaisha. Chip separation and alignment apparatus. 4,801,044, 1-31-89, Cl. 221-163.000.
Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, to Honda Giken Kogyo Kabushiki Kaisha. Method and system for detecting the level of engine oil of an engine. 4,876,529, 10-24-89, Cl. 340-450.300.
Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, to Honda Giken Kogyo Kabushiki Kaisha. Method and system for detecting the level of engine oil of an engine. 4,888,576, 12-19-89, Cl. 340-451.000.
Kubota, Shin'ichi: *See—*
Asakura, Masahiko; Kawanabe, Tomohiko; Muroya, Minoru; Kubota, Shin'ichi; Kimura, Katsuhiko; Seki, Yasunari; and Matsuura, Kouji, 4,818,362, Cl. 204-406.000.
Asakura, Masahiko; Shiina, Takanori; Ueda, Masahiro; Kubota, Shinichi; Kawanabe, Tomohiko; Kushida, Noritaka; and Muroya, Minoru, 4,870,586, Cl. 364-431.060.
Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Kubota, Shin'ichi; Matsumoto, Yukihiro; Arai, Yasuhisa; and Hosaka, Takefumi, 4,843,550, Cl. 364-424.100.
Sato, Hiromitsu; Kubota, Shinichi; Totsune, Atsushi; and Asakura, Masahiko, 4,882,538, Cl. 324-127.000.
Kubota, Shinji; Hirosawa, Kazutoyo; and Yoshida, Tomio, to Matsushita Electric Industrial Co., Ltd. Optical disk apparatus with an erase checking function. 4,841,512, 6-20-89, Cl. 369-54.000.
Kubota, Shinji: *See—*
Koishi, Kenji; Kubota, Shinji; and Ishibashi, Kenzo, 4,845,720, Cl. 372-31.000.
Kubota, Shoko; and Yamada, Sadayoshi, to Toshiba Machine Co., Ltd. Holding furnace of constant molten metal level. 4,848,603, 7-18-89, Cl. 222-595.000.
Kubota, Shoko: *See—*
Saito, Hirozi; Kubota, Shoko; and Motomura, Noriyuki, 4,828,460, Cl. 417-50.000.
Kubota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; and Uchida, Matazaemon, to Nihon Nohyaku Co., Ltd. Cyclohexanedione derivative for hepatic disorders and a process for producing the same. 4,863,925, 9-5-89, Cl. 514-249.000.
Kubota, Shuichi: *See—*
Kamimura, Hiroto; Kubota, Shuichi; and Iwakura, Masaru, 4,854,745, Cl. 384-420.000.
Kubota, Shuji; and Kato, Shuzo, to Nippon Telegraph and Telephone Corporation. Error correcting coder/decoder. 4,805,174, 2-14-89, Cl. 371-43.000.
Kubota, Shunro: *See—*
Hiyama, Hisato; Joe, Yukiyasu; Kubota, Shunro; Tanaka, Toshihiko; and Kameda, Takuichi, 4,829,749, Cl. 53-538.000.
Kubota, Taei; and Nakano, Tetsuo, to Hitachi, Ltd. Semiconductor memory. 4,831,593, 5-16-89, Cl. 365-203.000.
Kubota, Taishi, to NEC Corporation. Method of making insulated-gate field effect transistor. 4,868,137, 9-19-89, Cl. 437-41.000.
Kubota, Takahiro: *See—*
Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.
Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, to G-C Dental Industrial Corporation. Light curing compositions for dental restoration. 4,804,690, 2-14-89, Cl. 522-14.000.
Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, to G-C Dental Industrial Corp. Compositions for dental restoration. 4,820,744, 4-11-89, Cl. 522-13.000.
Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, to G-C Dental Industrial Corporation. Light curing compositions for dental restoration. 4,843,110, 6-27-89, Cl. 522-14.000.
Kubota, Takeshi: *See—*
Miyoshi, Kunisuke; Shimoyama, Yoshiaki; and Kubota, Takeshi, 4,851,056, Cl. 148-111.000.
Kubota, Tatsuya: *See—*
Nakada, Akio; Takayama, Syuichi; Kubota, Tatsuya; Kubota, Tetsumaru; Taguchi, Koji; Imade, Shinichi; and Sekino, Naomi, 4,867,141, Cl. 128-24.00A.
Kubota, Tetsuhiro: *See—*
Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,841,067, Cl. 548-344.000.
Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,853,463, Cl. 530-323.000.
Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,857,650, Cl. 548-336.000.
Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,863,904, Cl. 514-18.000.
Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,870,183, Cl. 546-210.000.
Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, to Olympus Optical Co., Ltd. Rigid electronic endoscope. 4,867,138, 9-19-89, Cl. 128-6.000.
Kubota, Tetsumaru: *See—*
Nakada, Akio; Takayama, Syuichi; Kubota, Tatsuya; Kubota, Tetsumaru; Taguchi, Koji; Imade, Shinichi; and Sekino, Naomi, 4,867,141, Cl. 128-24.00A.
Kubota, Tetsuo: *See—*
Iwabuchi, Koji; Kubota, Tetsuo; Tanaka, Yukio; and Tawada, Masaharu, 4,868,359, Cl. 219-10.55D.
Kubota, Tohru: *See—*
Endo, Mikio; Takamizawa, Minoru; Ishihara, Toshinobu; Kubota, Tohru; and Shinohara, Toshio, 4,883,569, Cl. 204-157.740.
Kubota, Tomoki: *See—*
Ito, Wataru; Kubota, Tomoki; Sumiya, Koji; and Yokoyama, Shoji, 4,839,579, Cl. 324-63.000.
Kubota, Tooru; and Mori, Hiroyuki, to Kabushiki Kaisha Toshiba. Image information reading apparatus. 4,873,579, 10-10-89, Cl. 358-471.000.
Kubota, Toshifumi: *See—*
Terayama, Tsunehisa; Moriguchi, Seki; and Kubota, Toshifumi, 4,832,245, Cl. 227-130.000.
Kubota, Toshihiro: *See—*
Maeda, Teizou; Kubota, Toshihiro; and Ishii, Hiroyuki, 4,824,193, Cl. 350-3.720.
Kubota, Yasuhiko; and Tate, Shigeyuki, to Kabushiki Kaisha Komatsu Seisakusho. Engine controlling apparatus for a wheeled type construction machine. 4,836,165, 6-6-89, Cl. 123-357.000.
Kubota, Yasuo; Kani, Nobumoto; Okawa, Kazutaka; Tobita, Takuo; and Miyasaka, Tsuneo, to Dai Nippon Insatsu Kabushiki Kaisha. Method of designing cubic receptacle and apparatus therefor. 4,817,005, 3-28-89, Cl. 364-468.000.
Kubota, Yoshiyuki: *See—*
Uozumi, Norihira; Amakawa, Koji; Kubota, Yoshiyuki; Miki, Atsushi; and Tsutsumi, Yasuyuki, 4,808,492, Cl. 429-34.000.
Kubota, Yousuke, to Kabushiki Kaisha Toshiba. Electromagnetic flow meter. 4,825,703, 5-2-89, Cl. 73-861.120.
Kubota, Yuichi: *See—*
Nakayama, Masatoshi; Morita, Haruyuki; and Kubota, Yuichi, 4,810,524, Cl. 427-38.000.
Nakayama, Masatoshi; Morita, Haruyuki; Kubota, Yuichi; and Tsuchiya, Keiko, 4,816,341, Cl. 428-458.000.
Kubota, Yukio: *See—*
Tsubota, Tetsuro; and Kubota, Yukio, 4,849,839, Cl. 360-84.000.
Kubota, Yuko: *See—*
Yoshino, Thunekazu; Morita, Hiroshi; Nakano, Hirotaka; Hayashi, Nobuo; and Kubota, Yuko, 4,887,760, Cl. 228-56.300.
Kubota, Yutaka: *See—*
Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,851,445, Cl. 514-604.000.
Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,870,107, Cl. 514-604.000.

Kubotera, Masaaki: *See—*
Yamamoto, Sho; Minato, Osamu; Saeki, Makoto; Yoshitomi, Yasuo; Nakamura, Hideaki; and Kubotera, Masaaki, 4,876,669, Cl. 365-189.010.
Kubotsu, Kazuhisa: *See—*
Kida, Masaaki; Kitabata, Isako; Kubotsu, Kazuhisa; and Sakata, Yoshitsugu, 4,861,597, Cl. 424-450.000.
Kubovy, Miloslav: *See—*
Kotrba, Zdenek; Jaros, Frantisek; Burysek, Frantisek; Kubovy, Miloslav; Hejduk, Jiri; and Bures, Pavel, 4,852,340, Cl. 57-301.000.
Kuboyama, Hisaharu: *See—*
Nakajima, Mutsuo; Kuboyama, Hisaharu; Komiyama, Tadashi; Kimura, Hiroshi; and Yoshida, Kenji, 4,831,162, Cl. 549-534.000.
Kuboyama, Noboru: *See—*
Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000.
Kuboyama, Yoichi: *See—*
Tanaka, Hideshi; Yagi, Kazuyuki; Tanimoto, Shigeru; Komatsu, Yasuaki; Yanagawa, Koichi; and Kuboyama, Yoichi, 4,885,528, Cl. 324-57.00R.
Kubozoe, Morioki; and Sato, Hisasi, to Hitachi, Ltd. Electron lens assembly. 4,806,767, 2-21-89, Cl. 250-396.0ML.
Kubozono, Shigeru, to Diesel Kiki Co., Ltd. Spool detent device for manually operated directional control valve. 4,844,412, 7-4-89, Cl. 251-297.000.
Kubozono, Takashi: *See—*
Takezawa, Keisuke; Kamimori, Masatsugu; Morohashi, Tsuyoshi; and Kubozono, Takashi, 4,850,591, Cl. 273-85.00G.
Kubsh, Joseph E.: *See—*
Pereira, Carmo J.; Kubsh, Joseph E.; and Hegedus, Louis, 4,859,433, Cl. 423-212.000.
Kubsh, Leroy M.; and Schlie, Donald R., to Litton Industrial Automation Systems, Inc. Abrasive disc. 4,854,086, 8-8-89, Cl. 51-209.00R.
Kubushiki Kaisha Kosumo Keiki: *See—*
Furuse, Akio, 4,888,718, Cl. 364-564.000.
Kucera, Henry; and Carus, Alwin B., to Houghton Mifflin Company. Word annotation system. 4,864,501, 9-5-89, Cl. 364-419.000.
Kucera, Henry; and Carus, Alwin B., to Houghton Mifflin Company. Sentence analyzer. 4,864,502, 9-5-89, Cl. 364-419.000.
Kucera, Henry; Carus, Alwin B.; and Hopkins, Jeffrey G., to Houghton Mifflin Company. Collocational grammar system. 4,868,750, 9-19-89, Cl. 364-419.000.
Kucera, Richard J. Pipe vibration reducer. 4,852,848, 8-1-89, Cl. 248-559.000.
Kuch, Nina J. Process and apparatus for conveying information through motion sequences. 4,878,843, 11-7-89, Cl. 434-112.000.
Kuchar, George J. Cylinder for combine. 4,796,645, 1-10-89, Cl. 130-27.0HA.
Kuchar, Norman R., to General Electric Company. Temperature control of a solid state face pumped laser slab by an active siderail. 4,852,109, 7-25-89, Cl. 372-34.000.
Kucharski, Janusz M.: *See—*
Smith, Steven E.; Kucharski, Janusz M.; and Murphy, Kenneth J., 4,868,826, Cl. 371-9.100.
Kucheck, Leo: *See—*
Crankshaw, Michael; and Kucheck, Leo, 4,830,701, Cl. 156-448.000.
Kuchel, Michael, to Carl-Zeiss-Stiftung. Interferometer for measuring optical phase differences. 4,872,755, 10-10-89, Cl. 356-360.000.
Kuchelmeister, Reinhold, to Suddeutsche Kuhlerfabrik, Julius Fr. Behr GmbH & Co. Method of making a matrix for a catalytic reactor for the purification of exhaust gas. 4,847,966, 7-18-89, Cl. 29-157.00R.
Kuchenreuther, Wieland: *See—*
Krauter, Heinrich; Schmedes, Albert; Mecke, Norbert; and Kuchenreuther, Wieland, 4,820,551, Cl. 427-146.000.
Kuchiki, Kiyoshi, to Mitsubishi Denki Kabushiki Kaisha. Numerical control apparatus. 4,888,534, 12-19-89, Cl. 318-567.000.
Kuchimanchi, Ravi; and Thakur, Madhukar N. Cube puzzle with moving faces. 4,872,682, 10-10-89, Cl. 273-153.00S.
Kuchisubo, Katsushiro: *See—*
Miyata, Hirofumi; Kuchisubo, Katsushiro; and Sakamoto, Chikara, 4,869,706, Cl. 474-8.000.
Kuchler, Fritz. Slicing machine with product identifier. 4,867,257, 9-19-89, Cl. 177-25.150.
Kuchler, Walter. Sliding device, particularly alpine ski. 4,804,200, 2-14-89, Cl. 280-602.000.
Kuchta, Richard, to Gerber Garment Technology, Inc. Skewed material advancing system. 4,827,292, 5-2-89, Cl. 346-136.000.
Kuchta, Richard: *See—*
Vaida, Robert M.; Osthus, Harold L.; and Kuchta, Richard, 4,884,510, Cl. 104-91.000.
Kuchuk-Yatsenko, Sergei I.; Sakharnov, Vasily A.; Galian, Boris A.; and Zelensky, Vladimir F., to Institut Elektrosvarki Imeni E.O. Patona Akademii Nauk Ukrainskoi SSR. Machine for flash butt welding of pipes. 4,803,330, 2-7-89, Cl. 219-97.000.
Kuchuk-Yatsenko, Sergei I.: *See—*
Paton, Boris E.; Lebedev, Vladimir K.; Kuchuk-Yatsenko, Sergei I.; Sakharnov, Vasily A.; Kharchenko, Alexandr K.; and Unigovsky, Mikhail R., 4,885,450, Cl. 219-101.000.
Kuck, Lloyd L.: *See—*
Savage, Jack W.; and Kuck, Lloyd L., 4,838,762, Cl. 416-187.000.
Kuck, Mark A.: *See—*
Michel, Christian G.; Schachter, Rozalie; Kuck, Mark A.; Baumann, John A.; and Raccah, Paul M., 4,818,636, Cl. 428-704.000.
Michel, Christian G.; Schachter, Rozalie; Kuck, Mark A.; Baumann, John A.; and Raccah, Paul M., 4,822,581, Cl. 423-302.000.
Kuckens, Alexander, to Technica Entwicklungsgesellschaft mbH & Co. KG. Carbonic acid application to plants. 4,835,903, 6-6-89, Cl. 47-58.000.
Kuckertz, Herbert: *See—*
Gossel, Helmut; Kuckertz, Herbert; Rittner, Siegbert; Rosenfelder, Josef; and Wojtech, Bernhard, 4,814,518, Cl. 568-708.000.
Kuckes, Arthur F.; and Thompson, Bruce G., to Vector Magnetics. Magnetometer circuitry for use in bore hole detection of AC magnetic fields. 4,845,434, 7-4-89, Cl. 324-346.000.
Kuckhermann, Gustav; and Hansson, Per-Ulf, to Icoma Packtechnik GmbH. Forming and filing device for cardboard package. 4,823,539, 4-25-89, Cl. 53-579.000.
Kucuk, Fikri; and Ayestaran, Luis C., to Schlumberger Technology Corporation. Method for uniquely estimating permeability and skin factor for at least two layers of a reservoir. 4,799,157, 1-17-89, Cl. 364-422.000.
Kuczewski, Walter V.: *See—*
Ewing, Richard C.; Kuczewski, Walter V.; and Thurber, Gerald A., 4,819,811, Cl. 209-699.000.
Kuczka, Eugeniusz: *See—*
Cieslik, Jerzy; Flak, Marek; Kuczka, Eugeniusz; Oles, Franciszek; Marszycki, Zdsizlaw; and Olender, Kornel, 4,856,940, Cl. 405-296.000.
Kuczma, Andrew S.: *See—*
Babirad, Stefan A.; Bacon, Fredrick; Heilmann, Steven M.; Krepski, Larry R.; Kuczma, Andrew S.; and Rasmussen, Jerald K., 4,852,969, Cl. 350-96.340.
Kuczynski, Anthony L.: *See—*
Ayer, Atul D.; Swanson, David R.; and Kuczynski, Anthony L., 4,816,263, Cl. 424-468.000.
Kuczynski, Robert A. Automatic and manually resettable miniaturized circuit breaker. 4,803,455, 2-7-89, Cl. 337-68.000.
Kuczynski, Wojciech: *See—*
Lagerwall, Sven T.; Andersson, Gunnar; Dahl, Ingolf; Kuczynski, Wojciech; Sharp, Kent; and Stebler, Bengt, 4,838,663, Cl. 350-350.00S.
Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, to BASF Aktiengesellschaft. Use of graft polymers based on polyalkylene oxides as grayness inhibitors in the wash and aftertreatment of textile material containing synthetic fibers. 4,846,994, 7-11-89, Cl. 252-174.210.
Kud, Alexander, Trieselt, Wolfgang; and Hartmann, Heinrich, to BASF Aktiengesellschaft. Use of graft polymers based on polyalkylene oxides as grayness inhibitors in the wash and aftertreatment of textile material containing syntheic fibers. 4,846,995, 7-11-89, Cl. 252-174.210.
Kud, Alexander; Trieselt, Wolfgang; and Hartmann, Heinrich, to BASF Aktiengesellschaft. Use of graft polymers based on polyesters, polyester urethanes and polyester amides as grayness inhibitors in detergents. 4,849,126, 7-18-89, Cl. 252-174.230.
Kuder, Carl L.: *See—*
Andrews, Thomas M.; Kuder, Carl L.; and Schadewald, Frederic H., 4,794,801, Cl. 73-862.230.
Kuder, James E., to Hoechst Celanese Corporation. Optical recording medium comprising a microporous polymer recording layer. 4,878,212, 10-31-89, Cl. 369-100.000.
Kuder, James E.; McGinnis, James L.; Goldberg, Harris A.; Hart, Timothy R.; and Che, Tessie M., to Hoechst Celanese Corporation. Dye lasers. 4,878,224, 10-31-89, Cl. 372-53.000.
Kudija, Charles T., Jr.: *See—*
Vrolyk, John J.; and Kudija, Charles T., Jr., 4,815,443, Cl. 126-438.000.
Willcox, William W.; and Kudija, Charles T., Jr., 4,798,949, Cl. 250-203.00R.
Kudija, David A. Fireplace newspaper holder. 4,836,185, 6-6-89, Cl. 126-540.000.
Kudla, David P.; and Holbrook, Susan E., to General Motors Corporation. Electric motor with locking apparatus. 4,823,035, 4-18-89, Cl. 310-68.00C.
Kudlacek, Donald S. Compound archery bow with adjustable draw length and pull weight. 4,838,236, 6-13-89, Cl. 124-23.00R.
Kudlacek, Donald S. Apparatus for cleaning the nock end of an archery arrow. 4,866,810, 9-19-89, Cl. 15-236.060.
Kudlicki, Richard C.: *See—*
Crisp, William E.; Kudlicki, Richard C.; and Smith, Judson L., 4,817,651, Cl. 134-102.000.
Kudo, Atsushi: *See—*
Hosoda, Takuya; Adachi, Shoji; and Kudo, Atsushi, 4,798,950, Cl. 250-214.00A.
Kudo, Hajime; Asano, Masami; Toma, Ken; and Takeuchi, Yo, to Mitsubishi Aluminum Co., Ltd. Method of brazing a heat exchanger using a reaction flux. 4,842,185, 6-27-89, Cl. 228-183.000.
Kudo, Harumi: *See—*
Kishimoto, Yoshinobu; Ando, Takashi; and Kudo, Harumi, 4,866,551, Cl. 360-96.500.
Kudo, Hiroaki; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Yoshida, Toshihiko, to Sharp Kabushiki Kaisha. Distributed feedback semiconductor laser device. 4,805,183, 2-14-89, Cl. 372-96.000.

Kudo, Hiroaki: *See—*
  Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; Hosoba, Hiroyuki; Takiguchi, Haruhisa; and Kudo, Hiroaki, 4,872,174, Cl. 372-45.000.
  Okusau, Takeshi; Sakamoto, Manabu; and Kudo, Hiroaki, 4,830,599, Cl. 425-521.000.
  Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,842,679, Cl. 156-643.000.
  Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Yoshida, Toshihiko, 4,852,116, Cl. 372-96.000.
  Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; Sakane, Chitose; and Yoshida, Toshihiko, 4,862,472, Cl. 372-45.000.
  Yano, Seiki; Kudo, Hiroaki; Takiguchi, Haruhisa; Hijikata, Toshiki: and Kaneiwa, Shinji, 4,858,215, Cl. 369-45.000.
  Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,839,900, Cl. 372-46.000.
  Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,841,534, Cl. 372-46.000.
  Yoshida, Toshihiko; Takiguchi, Haruhisa: Kaneiwa, Shinji; and Kudo, Hiroaki, 4,849,985, Cl. 372-96.000.
Kudo, Hiroko: *See—*
  Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,886,623, Cl. 252-299.650.
Kudo, Hisashi: *See—*
  Urabe, Hitoshi; Miyakawa, Tadashi; Shimazaki, Osamu, Kudo, Hisashi; and Kimura, Hideaki, 4,845,550, Cl. 358-80.000.
Kudo, Jun: *See—*
  Kakimoto, Seizo; Kudo, Jun; and Koba, Masayoshi, 4,855,014, Cl. 156-620.720.
Kudo, Junichiro; and Shimizu, Yoshihiro, to Sony Corporation. Method for molding plastic material into disk shaped sabstrate for an optical information record carrier. 4,879,082, 11-7-89, Cl. 264-106.000.
Kudo, Junichiro: *See—*
  Aoki, Tokuei; Kudo, Junichiro; and Kohno, Katsumi, 4,798,767, Cl. 428-412.000.
Kudo, Katsuyoshi: *See—*
  Kawasaki, Yoshinao; Kawahara, Hironobu; Kakehi, Yutaka; Hirobe, Kado; and Kudo, Katsuyoshi, 4,795,529, Cl. 156-643.000.
Kudo, Keisuke: *See—*
  Wazaki, Yoshio; and Kudo, Keisuke, 4,877,273, Cl. 290-40.00C.
Kudo, Koji: *See—*
  Mimura, Itaru; Sato, Kazuhiro; Akiyama, Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, 4,825,291, Cl. 358-213.190.
Kudo, Masaki: *See—*
  Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, 4,837,217, Cl. 514-252.000.
Kudo, Masashi, to Asahi Glass Company Ltd. Glass sheet bending apparatus. 4,865,638, 9-12-89, Cl. 65-273.000.
Kudo, Masashi, to Asahi Glass Company, Ltd. Glass sheet bending mold. 4,865,639, 9-12-89, Cl. 65-287.000.
Kudo, Masayuki: *See—*
  Kikuta, Junji; Kudo, Masayuki; Yamagata, Tetsuo; and Nakajima, Yoshiyuki, 4,848,502, Cl. 180-179.000.
Kudo, Michiyoshi: *See—*
  Kaiwa, Ryoichi; Kudo, Michiyoshi; Kobayashi, Keiki; Suganuma, Yuichiro; and Adachi, Naotomo, 4,881,258, Cl. 379-58.000.
Kudo, Saburo: *See—*
  Michimoto, Takashi; Kudo, Saburo; Kuwada, Kazuhiko; and Ishida, Nobuyoshi, 4,881,883, Cl. 425-89.000.
Kudo, Satoru; and Nishimura, Sadanori, to Honda Giken Kogyo Kabushiki Kaisha. Inertia lock type synchronous clutch mechanism. 4,828,087, 5-9-89, Cl. 192-53.00F.
Kudo, Satoshi, to Kabushiki Kaisha Toshiba. Carriage fixing mechanism for printing apparatus. 4,808,020, 2-28-89, Cl. 400-663.000.
Kudo, Shinichi: *See—*
  Ogawa, Toshimitsu; and Kudo, Shinichi, 4,801,282, Cl. 440-84.000.
Kudo, Takamichi: *See—*
  Fujii, Hiroyuki; Kudo, Takamichi; Furukawa, Haruhiko; and Yamamoto, Nobusuke, 4,838,945, Cl. 134-7.000.
Kudo, Takeshi: *See—*
  Suzuki, Migaku; Ochi Mitsuzo; and Kudo, Takeshi, 4,834,740, Cl. 604-385.200.
Kudo, Tetsuya, to Stanley Electric Co., Ltd. Automobile lamp assembly. 4,855,876, 8-8-89, Cl. 362-61.000.
Kudo, Toshiaki: *See—*
  Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.
Kudo, Toshio, to Research Development Corporation of Japan; and Casio Computer Co., Ltd. Oxygen-containing ferromagnetic amorphous alloy and method of preparing the same. 4,837,094, 6-6-89, Cl. 428-694.000.
Kudo, Toshio, to Research Development Corporation of Japan; and Casio Computer Co., Ltd. Oxygen-containing ferromagnetic amorphous alloy and method of preparing the same. 4,865,658, 9-12-89, Cl. 148-121.000.
Kudo, Tsutomu: *See—*
  Okonogi, Shigeo; Tomita, Mamoru; Shimamura, Seiichi; Ishibashi, Norio; and Kudo, Tsutomu, 4,888,171, Cl. 424-93.000.
Kudo, Yasuhito; and Otsubo, Tsuneyuki, to Kabushiki Kaisha Sankyo Seiki Seisakusho. Small sound generating device. 4,810,997, 3-7-89, Cl. 340-384.00E.
Kudo, Yoshihiko, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing α-form gypsum hemihydrate. 4,842,842, 6-27-89, Cl. 423-554.000.
Kudo, Yoshihiko: *See—*
  Aoki, Haruo; and Kudo, Yoshihiko, 4,802,966, Cl. 204-182.400.
Kudo, Yoshimichi: *See—*
  Oku, Masuo; Kudo, Yoshimichi; Saito, Isao; and Fukui, Yukio, 4,805,040, Cl. 358-336.000.
  Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.
Kudo, Yoshinobu; and Fukushima, Akira, to Minolta Camera Kabushiki Kaisha. Photographic lens system. 4,810,074, 3-7-89, Cl. 350-432.000.
Kudo, Yoshinobu, to Minolta Camera Kabushiki Kaisha. Rear conversion lens system. 4,830,473, 5-16-89, Cl. 350-422.000.
Kudo, Yoshinobu; and Yoshida, Kiyohiro, to Minolta Camera Kabushiki Kaisha. Photographic lens device. 4,886,342, 12-12-89, Cl. 350-252.000.
Kudo, Yoshinobu: *See—*
  Hata, Yoshiaki; Taniguchi, Nobuyuki; Hoda, Takeo; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,860,039, Cl. 354-106.000.
  Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,829,333, Cl. 354-412.000.
  Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,884,092, Cl. 354-289.100.
  Inoue, Manabu; Taniguchi, Nobuyaki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,115, Cl. 354-289.100.
  Kamitani, Masatoshi; Inoue, Manabu; Nakanishi, Motohiro; Ootsuka, Hiroshi; Kudo, Yoshinobu; and Hata, Yoshiaki, 4,806,961, Cl. 354-195.100.
  Nakamura, Ikushi; Ootsuka, Hiroshi; Fukushima, Akira; Kudo, Yoshinobu Hata, Yoshiaki; Inoue, Manabu; and Inoue, Norihiro, 4,887,107, Cl. 354-195.120.
  Taniguchi, Nobuyuki; Hata, Yoshiaki, Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,812,871, Cl. 354-421.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,814,804, Cl. 354-202.000.
  Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,843,418, Cl. 354-419.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,847,646, Cl. 354-106.000.
  Taniguchi, Nobuyuki; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; Hoda, Takeo; and Ueda, Hiroshi, 4,862,201, Cl. 354-105.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,868,589, Cl. 354-127.100.
  Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,884,089, Cl. 354-222.000.
  Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,108, Cl. 354-195.100.
Kudo, Yoshio: *See—*
  Horikawa, Hiroshi; Kudo, Yoshio; Ezuka, Daigo; and Shoji, Takashi, 4,884,259, Cl. 369-32.000.
  Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,050, Cl. 355-256.000.
Kudo, Yoshiro: *See—*
  Sakurada, Koichi; Kiraiwa, Kouji; Ando, Yoshihira; and Kudo, Yoshiro, 4,863,680, Cl. 376-444.000.
Kudoh, Koichi: *See—*
  Tamaki, Kiyoshi; Kudoh, Koichi; Etoh, Yoshihiko; and Takeda, Yoshiaki, 4,888,262, Cl. 430-58.000.
Kudoh, Kunio, to Ricoh Company, Ltd. Device applicable to an image recording apparatus for feeding a recording medium. 4,885,611, 12-5-89, Cl. 355-310.000.
Kudoh, Toshiharu: *See—*
  Ikeda, Tomohiro; Hatagishi, Yuji; Totsuka, Mitsuhiko; and Kudoh, Toshiharu, 4,871,990, Cl. 337-238.000.
Kudoh, Yasuo: *See—*
  Tsuchiya, Sohji; Kojima, Toshikuni; Kudoh, Yasuo; Yoshimura, Susumu; Hoshii, Yasunari; and Itoh, Hirohiko, 4,828,738, Cl. 252-62.200.
  Yoshimura, Susumu; Tsuchiya, Ohji; Kudoh, Yasuo; and Kojima, Toshikuni, 4,864,472, Cl. 361-525.000.
Kudoh, Yumi: *See—*
  Araki, Shingo; Tsuchiya, Kikuo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,843,058, Cl. 503-209.000.
  Tsuchiya, Kikuo; Araki, Shingo; Inagaki, Masaji: Kudoh, Yumi; and Kitao, Teijiro, 4,885,270, Cl. 503-209.000.
Kudomi, Mitsuharu: *See—*
  Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,804,922, Cl. 324-457.000.

  Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,879,509, Cl. 324-108.000.
Kudou, Makoto; and Ichikawa, Katsumi, to Kabushiki Kaisha Toshiba. Method of manufacturing shadow mask and apparatus. 4,861,422, 8-29-89, Cl. 156-640.000.
Kudou, Masayuki: *See—*
  Nakazawa, Yoshihiro; Kudou, Masayuki; Iijima, Satoshi; Sanada, Katsuiki; and Matsuo, Yoshihiro, 4,883,284, Cl. 280-293.000.
Kudrow, Lee: *See—*
  Simmons, Ethel D.; and Kudrow, Lee, 4,858,259, Cl. 5-441.000.
Kudryk, Bohdan J.; and Wiebe, Michael E., to New York Blood Center, Inc., The. Monoclonal antibodies specific to in vivo fragments derived from human fibrinogen, human fibrin I or human fibrin II. 4,851,334, 7-25-89, Cl. 435-7.000.
Kudwa, Frank J.: *See—*
  Cwycyshyn, Walter; and Kudwa, Frank J., 4,860,864, Cl. 192-56.00R.
Kudzma, Linas V.; and Spencer, H. Kenneth, to BOC Group, Inc., The. 4-heteroheracyclic-4-(N-(phenyl)amido) piperidine derivatives and pharmaceutical compositions and method employing such compounds. 4,801,615, 1-31-89, Cl. 514-318.000.
Kudzma, Linas V.; Spencer, H. Kenneth; and Severnak, Sherry A., to BOC, Inc. Stereoselective preparation of 3-substituted-4-piperidine compounds and derivatives. 4,849,521, 7-18-89, Cl. 546-209.000.
Kudzma, Linas V.: *See—*
  Lin, Bor-Sheng; Kudzma, Linas V.; and Spencer, H. Kenneth, 4,871,749, Cl. 514-326.000.
Kuechler, David W.: *See—*
  Kuechler, William L.; and Kuechler, David W., 4,8 1,199, Cl. 364-200.000.
Kuechler, William L.; and Kuechler, David W. System for storing and manipulating information in an information base. 4,811,199, 3-7-89, Cl. 364-200.000.
Kuebbauch, Gerd, to Robert Bosch GmbH. Device for wiping windshields of power vehicles. 4,813,098, 3-21-89, Cl. 15-250.210.
Kuehimichel, Randall J.: *See—*
  Kuehmchel, Blaine G.; and Kuehimichel, Randall J., 4,826,184, Cl. 280-21.100.
Kuehl, Guenter H., to Mobil Oil Corporation. Method of producing rod-shaped ZSM-5 zeolite. 4,797,267, 1-10-89, Cl. 423-329.000.
Kuehl, Guenter H., and Landis, Michael E., to Mobil Oil Corporation. Novel silicate. 4,861,570, 8-29-89, Cl. 423-326.000.
Kuehl, Guenter H.: *See—*
  Chang, Clarence D.; Chu, Cynthia T-W.; Chu, Pochen; Dessau, Ralph M.; Garwood, William E.; Kuehl, Guenter H.; Miale, Joseph N.; and Shihabi, David S., 4,876,228, Cl. 502-71.000.
  Cormier, William E., Jr.; Kuehl, Guenter H.; and Stover, William A., 4,828,679, Cl. 208-120.000.
Kuehl, Hans. Top bar. 4,827,573, 5-9-89, Cl. 19-102.000
Kuehl, Robert J.; and Falcone, Frank M. Combination flagpole and bracket. 4,864,962, 9-12-89, Cl. 116-174.000.
Kuehl, Ulrich: *See—*
  Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuehl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., 4,803,198, Cl. 514-212.000.
Kuehl, Ulrich G.: *See—*
  Schoen, Uwe; Kehrbach, Wolfgang; Hachmeister, Bernd; Buschmann, Gerd; and Kuehl, Ulrich G., 4,879,299, Cl. 514-286.000.
Kuehle, Walter: *See—*
  Breitenbacher, Juergen; Kuehle, Walter; Moennings, Roland; Neumann, Udo; and Schramm, Wolfgang, 4,852,863, Cl. 267-218.000.
Kuehmchel, Blaine G.; and Kuehimichel, Randall J. Snowmobile power steering system. 4,826,184, 5-2-89, Cl. 280-21.100.
Kuehn, Gary; Gerrek, David M.; and Ferguson, Wendy, to Systems Management American Corporation. Brightness control for an electro-luminescent display. 4,818,982, 4-4-89, Cl. 340-793.000.
Kuehn, Gebhard: *See—*
  Bertleff, Werner; Maerkl, Robert; Magnussen, Peter; Kuehn, Gebhard; and Stops, Peter, 4,861,895, Cl. 546-353.000.
Kuehn, Hans, to Bomag-Menck GmbH. Submergible electrohydraulic drive unit for ramming and working devices to be used under water. 4,817,734, 4-4-89, Cl. 173-29.000.
Kuehn, Hans, to Bomag-Menck GmbH. Method of and a drive unit for driving ramming parts under water. 4,813,149, 4-4-89, Cl. 405-228.000.
Kuehn, Hans, to Bomag-Menck GmbH. Method of and arrangement for separating tubular foundation piles under water. 4,856,938, 8-15-89, Cl. 405-227.000.
Kuehn, Hans, to Bomag-Menck GmbH. Drive unit for driving ramming parts under water. 4,872,514, 10-10-89, Cl. 173-132.000.
Kuehn, Hartmut: *See—*
  Schewe, Tankred; Kuehn, Hartmut; Beger, Joerg; Grupe, Renate; Rapoport, Samuel M.; Binte, Hans-Joachim, deceased; and Slapke, Juergen, 4,816,487, Cl. 514-640.000.
Kuehn, Jack W., Jr.: *See—*
  Avera, Fitzhugh L., 4,832,977, Cl. 426-633.000.
Kuehn, Jack W., Sr.: *See—*
  Avera, Fitzhugh L., 4,832,977, Cl. 426-633.000.
Kuehn, Melvin C. Bi-fold hay rake system. 4,882,900, 11-28-89, Cl. 56-377.000.
Kuehn, Michael: *See—*
  Dutz, Karl-Hein; Linke, Adolf; Wilmer, Gerhard; and Kuehn, Michael, 4,825,638, Cl. 60-39.020.
Kuehn, Richard P.: *See—*
  Avera, Fitzhugh L., 4,832,977, Cl. 426-633.000.
Kuehn, Robert S.: *See—*
  Avera, Fitzhugh L., 4,832,977, Cl. 426-633.000.
Kuehne, Donald L., to Chevron Research Company. Chemical flooding with improved injectivity. 4,852,652, 8-1-89, Cl. 166-270.000.
Kuehne, Martin, to University of Vermont & State Agricultural College. Synthesis of vinblastine and vincristine type compounds. 4,841,045, 6-20-89, Cl. 540-478.000.
Kuehne, Norbert; Raehse, Wilfried; and Carduck, Franz-Josef, to Henkel Kommanditgesellschaft auf Aktien. Process for the separation of biotechnologically produced valuable materials from a fermenter broth by crossflow micro- and/or ultrafiltration. 4,886,602, 12-12-89, Cl. 210-637.000.
Kuehnert, Hans-Guenter E., to Hoechst Aktiengesellschaft; and ELTI Apparatebau und Elektronik GmbH. Apparatus for laminating a film under pressure and heat. 4,840,698, 6-20-89, Cl. 156-485.000.
Kuehnl, George E. Structure for supplying goods and services. 4,805,360, 2-21-89, Cl. 52-169.100.
Kuehnle, Adolf, to Huels Aktiengesellschaft. Process for the production of micronized waxes. 4,846,887, 7-11-89, Cl. 106-31.000.
Kuehnle, Kopp & Kausch: *See—*
  Munkel, Uwe, 4,838,711, Cl. 384-215.000.
Kuehnle, Manfred R.; and Senftner, Vidala J. Therapeutic shock-absorbing shoes. 4,848,008, 7-18-89, Cl. 36-35.00R.
Kuehnle, Manfred R. Optoelectronic recording tape or strip comprising photoconductive layer on thin, monocrystalline, flexible sapphire base. 4,862,414, 8-29-89, Cl. 365-106.000.
Kuei, Andrew. Universal clamping device with multi-purpose clamping surfaces. 4,830,350, 5-16-89, Cl. 269-279.000.
Kuei, Liu C.; Shui, Chen C.; and Lung, Huang C. Burglar-alarm system for briefcase. 4,843,371, 6-27-89, Cl. 340-539.000.
Kuekes, Philip J.: *See—*
  Rau, Bantwal R.; Glaeser, Christopher D.; and Kuekes, Philip J., 4,811,201, Cl. 364-200.000.
Kuemmerling, Rolf; Mueller, Manfred; Schirmag, Klaus-Peter; and Nickel, Wilhelm, to Mannesmann AG. Guide structure for pierced hollows. 4,803,861, 2-14-89, Cl. 72-97.000.
Kuemmerling, Rolf: *See—*
  Biller, Horst; Bellmann, Manfred; Nickel, Wilhelm; and Kuemmerling, Rolf, 4,843,124, Cl. 72-97.000.
Kuenast, Christoph: *See—*
  Buerstinghaus, Rainer; Hofmeister, Peter; and Kuenast, Christoph, 4,859,706, Cl. 514-624.000.
  Himmele, Walter; Theobald, Hans; Merger, Franz; Hofmann, Ernst; Kuenast, Christoph; and Hofmeister, Peter, 4,876,275, Cl. 514-452.000.
  Seppelt, Wolfgang; Sproesser, Linhard; Kersten, Siegfried; Hofmeister, Peter; and Kuenast, Christoph, 4,855,140, Cl. 424-405.000.
  Seppelt, Wolfgang; Hofmeister, Peter; and Kuenast, Christoph, 4,880,337, Cl. 514-594.000.
Kuenemund, Ronald; and Noll, Tobias, to Siemens Aktiengesellschaft. Matrix times matrix multiplier. 4,841,469, 6-20-89, Cl. 364-754.000.
Kueng, Roland; and Widmer, Hanspeter, to Zellweger Tellecommunications Ltd. Method and apparatus for establishing a connection in shortwave radio networks. 4,853,686, 8-1-89, Cl. 340-825.210.
Kuenn, Cary K.; and Westbrook, Daniel S., to Kimberly-Clark Corporation. Method for producing virucidal tissue products containing water-soluble humectants. 4,824,689, 4-25-89, Cl. 427-2.000.
Kuenzel, Ulrich: *See—*
  Cziep, Werner; Kuenzel, Ulrich; and Ruh, Wolf-Dieter, 4,834,835, Cl. 156-643.000.
Kuenzly, John D., to TRW Inc. Slagging-combustor sulfur removal process and apparatus. 4,800,825, 1-31-89, Cl. 110-345.000.
Kuenzly, John D.: *See—*
  Egense, Andrea L. F.; and Kuenzly, John D., 4,873,930, Cl. 110-345.000.
Kueppers, Harald. Printing process where each incremental area is divided into a chromatic area and an achromatic area and wherein the achromatic areas are printed in black and white and the chromatic areas are printed in color sub-sections. 4,812,899, 3-14-89, Cl. 358-75.000.
Kueppers, Harald. Process for manufacturing systematic color tables or color charts for seven-color printing, and tables or charts produced by this process. 4,878,977, 11-7-89, Cl. 156-264.000.
Kuerschner, Michael; Juergens, Gunter; and Greiner, Albrecht, to Daimler-Benz Aktiengesellschaft. Blocking circuit for transmission shifting responsive engine torque reducer. 4,811,224, 3-7-89, Cl. 364-424.100.
Kueschall, Rainer. Lightweight wheelchair adjustable for a specific balance. 4,852,899, 8-1-89, Cl. 280-250.100.
Kuester, Kevin W.; and Freed, Donald L., Jr., to Marsh Company. Ink jet head holder. 4,814,795, 3-21-89, Cl. 346-140.00R.
Kuesters, Heinz-Peter: *See—*
  Mahncke, Juergen; Kuesters, Heinz-Peter; and Mayer, Hartmut, 4,862,986, Cl. 180-155.000.
Kuesters, Karl-Heinz, to Siemens Aktiengesellschaft. Transistor varactor for dynamics semiconductor storage means. 4,855,801, 8-8-89, Cl. 357-23.600.
Kufferath, Franz F. Drainage belt for presses in the wet section of a paper machine. 4,867,206, 9-19-89, Cl. 139-383.00A.
Kufis, James C.; and Semken, Robert S., to Thermonics Incorporated. Thermal fixture for testing integrated circuits. 4,870,355, 9-26-89, Cl. 324-158.00F.

- Kufrin, Fred W., to Western Industries Inc. Oscillating sprinkler. 4,877,185, 10-31-89, Cl. 239-242.000.
- Kuga, Ryuichiro: *See—*
  - Hirao, Yoshiaki; Kuga, Ryuichiro; Miura, Teruyoshi; and Nagaoka, Yoshitomi, 4,849,813, Cl. 358-137.000.
  - Hirao, Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shusuke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiromichi, 4,850,692, Cl. 356-1.000.
- Kuga, Shigeki: *See—*
  - Tanaka, Toshiyuki; Kuga, Shigeki; Morishita, Taro; Nakamura, Nobuo; and Ohsaki, Mikio, 4,837,689, Cl. 364-419.000.
- Kuge, Raizo: *See—*
  - Ohga, Toshinari; Kuge, Raizo; and Niwa, Susumu, 4,834,245, Cl. 206-610.000.
- Kuge, Toru: *See—*
  - Ishii, Takaaki; and Kuge, Toru, 4,873,714, Cl. 379-88.000.
- Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, to Canon Kabushiki Kaisha; and Kabushiki Kaisha I.S.T. Elastic rotatable member. 4,804,576, 2-14-89, Cl. 428-216.000.
- Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, to Canon Kabushiki Kaisha. Image processing process and apparatus therefor. 4,814,886, 3-21-89, Cl. 358-293.000.
- Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, to Canon Kabushiki Kaisha. Elastic rotatable member. 4,842,944, 6-27-89, Cl. 428-451.000.
- Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, to Canon Kabushiki Kaisha; and Kabushiki Kaisha I.S.T. Elastic rotatable member. 4,883,715, 11-28-89, Cl. 428-421.000.
- Kugelman, Michael M.; and Roman, James M., to B. F. Goodrich Company, The. Apparatus and method for timed-de-icing. 4,814,931, 3-21-89, Cl. 361-56.000.
- Kugelmann, Franz J., to Nudvuck Enterprises. Evacuated insulation and a method of manufacturing same. 4,837,388, 6-6-89, Cl. 428-69.000.
- Kugelmann, Franz J., to Nudvuck Enterprises. Evacuated insulation and a method of manufacturing same. 4,888,073, 12-19-89, Cl. 156-197.000.
- Kugimiya, Haruo: *See—*
  - Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.
- Kugimiya, Koichi: *See—*
  - Sakakima, Hiroshi; Osano, Koichi; Omata, Yuji; Satomi, Mitsuo; and Kugimiya, Koichi, 4,836,865, Cl. 148-306.000.
- Kugimiya, Shuzo: *See—*
  - Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,800,522, Cl. 364-900.000.
  - Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,814,987, Cl. 364-419.000.
- Kugimiya, Syuzo; Tokunaga, Shinji; Suzuki, Hitoshi; Fukumochi, Yoji; Shiotani, Shinobu; and Sata, Ichiko, to Sharp Kabushiki Kaisha. Translation system allowing user designation of postpositional words. 4,860,206, 8-22-89, Cl. 364-419.000.
- Kugimiya, Syuzo: *See—*
  - Fukumochi, Yoji; Tokunaga, Shinji; Suzuki, Hitoshi; Kugimiya, Syuzo; Shiotani, Shinobu; and Sata, Ichiko, 4,833,611, Cl. 364-419.000.
  - Shiotani, Shinobu; Fukumochi, Yoji; Tokunaga, Shinji; Kugimiya, Syuzo; Sata, Ichiko; and Suzuki, Hitoshi, 4,814,988, Cl. 364-419.000.
- Kugimura, Toshihiro, to Kabushiki Kaisha Toshiba. Blanking circuit for use in a display apparatus which has a cathode-ray tube. 4,814,880, 3-21-89, Cl. 358-165.000.
- Kugioka, Michihiro, to Canon Kabushiki Kaisha; and Canon Seki Kabushiki Kaisha. Drive circuit for stepping motor. 4,857,817, 8-15-89, Cl. 318-696.000.
- Kugler, Alfred: *See—*
  - Jerlich, Werner J.; Kugler, Alfred; Kaiserfeld, Hans; Schulhofer, Anton; and Zechner, Werner, 4,880,481, Cl. 148-325.000.
- Kugler, Artur, to Renk Aktiengesellschaft. Dynamic load test system for drive units. 4,807,467, 2-28-89, Cl. 73-118.100.
- Kugler, Edwin L., to Exxon Research and Engineering Company. Cracking catalysts containing strontium carbonate. 4,824,815, 4-25-89, Cl. 502-64.000.
- Kugler, Fonderie et Robinetterie S.A.: *See—*
  - Chappuis, John, 4,823,435, Cl. 16-121.000.
  - Rodriguez, Jean-Jacques, 4,826,182, Cl. 277-165.000.
- Kugler, Franz: *See—*
  - Horacek, Heinrich, and Kugler, Franz, 4,863,790, Cl. 428-285.000.
- Kugler, Jack L. Lawn mower blade lock. 4,882,960, 11-28-89, Cl. 81-488.000.
- Kugler, Kurt: *See—*
  - Schmidt, Rudiger; and Kugler, Kurt, 4,794,871, Cl. 110-341.000.
- Kugler, Ralph W.: *See—*
  - Rieben, Stuart L.; Kugler, Ralph W.; Scherpenberg, Joseph J.; Wiersema, Dale T.; and Fogg, James L., 4,842,808, Cl. 376-261.000.
- Kugler, Reinhard: *See—*
  - Prietzel, Gunter; Sprenger, Georg; and Kugler, Reinhard, 4,802,059, Cl. 361-361.000.
- Kugler, Uwe H.: *See—*
  - Durant, Douglas M.; Kugler, Uwe H.; Vaughn, Bennie J.; Nordquist, Douglas W.; and Delfs, Larry M., 4,881,573, Cl. 137-614.040.
- Kugler, Wolfgang: *See—*
  - Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
- Kuhar nee Kurthy, Maria: *See—*
  - Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
  - Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,944, Cl. 514-221.000.
- Kuhara, Kohichi; Shimazoe, Takahiro; Ishizuka, Toshiro; and Sekiya, Masayoshi, to Nippon Zeon Co., Ltd. Process for producing copolymer latex. 4,831,078, 5-16-89, Cl. 524-821.000.
- Kuhara, Shigehide, to Kabushiki Kaisha Toshiba. Magnetic resonance imaging system. 4,859,946, 8-22-89, Cl. 324-309.000.
- Kuhara, Takashi. Device for providing communication between water tanks of heat accumulation tank system. 4,887,667, 12-19-89, Cl. 165-96.000.
- Kuhbach, Gerd, to Robert Bosch GmbH. Windshield wiper system for motor vehicles. 4,815,159, 3-28-89, Cl. 15-250.210.
- Kuhbauch, Gerd, to Robert Bosch GmbH. Windscreen wiper for automobiles. 4,807,325, 2-28-89, Cl. 15-250.210.
- Kuhbauch, Gerd, to Robert Bosch GmbH. Wiping device for windows of power vehicles. 4,813,099, 3-21-89, Cl. 15-250.190.
- Kuhbauch, Gerd, to Robert Bosch GmbH. Windshield wiper device for motor vehicles. 4,847,941, 7-18-89, Cl. 15-250.210.
- Kuhbauch, Gerd, to Robert Bosch GmbH. Wiping device for panes of power vehicles. 4,866,811, 9-19-89, Cl. 15-250.190.
- Kuhfus, Gerd: *See—*
  - McLean, Kenneth W.; Kuhfus, Gerd; and Walker, Charles R. S., 4,887,972, Cl. 439-137.000.
- Kuhl, Egbert: *See—*
  - Braun, Walter; Kersten, Reinhard; and Kuhl, Egbert, 4,829,159, Cl. 219-486.000.
  - Kersten, Reinhard; Kuhlmorgen, Karl J., and Kuhl, Egbert, 4,871,961, Cl. 323-267.000.
- Kuhl, Hans J. Guide beacon. 4,864,299, 9-5-89, Cl. 340-908.100.
- Kuhl, Henry Y. Two stage liquid filtraton apparatus. 4,834,875, 5-30-89, Cl. 210-181.000.
- Kuhl, Henry Y. Article drying apparatus with adjustable drying plenum means. 4,887,366, 12-19-89, Cl. 34-229.000.
- Kuhl, Lynn. Vacuum cleaner for pets. 4,799,460, 1-24-89, Cl. 119-85.000.
- Kuhl, Peter; Broadwin, Alan; and Hornlein, Robert W., to Cooper LaserSonics, Inc. Apparatus and method for assembly and disassembly of interchangeable surgical acoustic members. 4,832,021, 5-23-89, Cl. 128-303.00R.
- Kuhl, Peter: *See—*
  - Lotz, Michael, deceased; Vanino, Rudiger, deceased; Kuhl, Peter; Welte, Dieter; and Zimmer, Herbert, 4,856,735, Cl. 244-35.00R.
  - Welter, Andre; Fischer, Harmut; Christiaens, Leon; Wendel, Albrecht; Etschenberg, Eugen; Dereu, Norbert; Kuhl, Peter; and Graf, Eric, 4,873,350, Cl. 549-436.000.
- Kuhl, Ulrich: *See—*
  - Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuhl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., 4,814,345, Cl. 514-418.000.
- Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Dodson, Stuart A.; Galemmo, Robert A., Jr.; and Durham, Pamela J., to Rorer Pharmaceutical Corporation. 3- and 5-(bicyclic ether or bicyclic alkylene thioether) alkylene amino thiatriazines. 4,816,583, 3-28-89, Cl. 544-7.000.
- Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; and Molino, Bruce F., to Rorer Pharmaceutical Corporation. Bicyclic heteroaryl thiazole compounds, cardiotonic compositions including the same, and their uses. 4,818,755, 4-4-89, Cl. 514-228.200.
- Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; and Faith, William C., to Rorer Pharmaceutical Corporation. Pyridyl-pyridazinone and pyridyl-pyrazolinone compounds and their use in the treatment of congestive heart failure. 4,826,835, 5-2-89, Cl. 514-210.000.
- Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Faith, William C.; and Molino, Bruce F., to Rorer Pharmaceutical Corporation. Benzodiazinone-pyridazinone and hydroxy-pyrazolyl compounds, cardiotonic compositions including the same, and their uses. 4,868,300, 9-19-89, Cl. 544-119.000.
- Kuhla, Donald E.: *See—*
  - Campbell, Henry F.; Kuhla, Donald E., Studt, William L.; and Dodson, Stuart A., 4,847,264, Cl. 514-300.000.
  - Faith, William C.; Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; and Barnes, James L., 4,836,535, Cl. 514-248.000.
  - Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; and Kuhla, Donald E., 4,822,794, Cl. 514-230.500.
  - Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; and Kuhla, Donald E., 4,829,066, Cl. 514-230.500.

  - Spada, Alfred P.; Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; Faith, William C.; and Molino, Bruce F., 4,859,672, Cl. 514-254.000.
  - Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; Kuhla, Donald E.; and Tucker, Thomas, 4,866,074, Cl. 514-300.000.
  - Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,857,517, Cl. 514-161.000.
  - Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,859,683, Cl. 514-299.000.
  - Youssefyeh, Raymond D.; Campbell, Henry F.; and Kuhla, Donald E., 4,863,921, Cl. 514-230.500.
- Kuhle, Engelbert; Paulus, Wilfried; Genth, Hermann; Reinecke, Paul; Hassler, Gerd; and Brandes, Wilhelm, to Bayer Aktiengesellschaft. Sulphenylated carbamic acid esters, a process for their preparation and their use. 4,798,905, 1-17-89, Cl. 560-16.000.
- Kuhle, Engelbert: *See—*
  - Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, 4,839,359, Cl. 514-241.000.
  - Fuhrer, Wolfgang; Kuhle, Engelbert; Adler, Alfons; and Hanssler, Gerd, 4,876,253, Cl. 514-241.000.
- Kuhle, Walter: *See—*
  - Decker, Heinz; Engfer, Ortwin; and Kuhle, Walter, 4,802,648, Cl. 248-550.000.
- Kuhlemann, Bruce W.; Macabasco, Agilio E.; and Salumbides, Renato R., to Miles Laboratories, Inc. Blood bag having label providing enhanced gas transmissibility. 4,880,425, 11-14-89, Cl. 604-404.000.
- Kuhling, Siegfried, to Riesselmann & Sohn, Firma. Process for welding butt-jointed plastic tubes and welding device for performing the process. 4,851,647, 7-25-89, Cl. 219-535.000.
- Kuhlman Corporation: *See—*
  - Hankins, Clark J., 4,884,758, Cl. 242-4.0BE.
  - Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,833,436, Cl. 336-60.000.
  - Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,875,277, Cl. 29-606.000.
- Kuhlman, Myron I.; Borchardt, John K.; and Falls, Andrew H., to Shell Oil Company. Gas flooding with dilute surfactant solutions. 4,856,589, 8-15-89, Cl. 166-273.000.
- Kuhlman, Thomas E. Welder's mask with breath controlled eye shield. 4,875,235, 10-24-89, Cl. 2-8.000.
- Kuhlmann, Fernand: *See—*
  - Wanetzky, Erwin; Hugo, Franz; and Kuhlmann, Fernand, 4,818,282, Cl. 75-63.000.
- Kuhlmann, Josef. Arrangement for manipulating eggs. 4,846,337, 7-11-89, Cl. 198-475.100.
- Kuhlmann, Ludwig; and Putter, Dietrich, to Hoechst Aktiengesellschaft. Technetium-99m generator, its preparation and its use. 4,837,110, 6-6-89, Cl. 423-2.000.
- Kuhlmann, Ludwig: *See—*
  - Oberhausen, Erich; Kuhlmann, Ludwig; Seibert, Gerhard; Steinstrasser, Axel; Schroth, Hans-Joachim; and Bremer, Karl-Heinz, 4,885,151, Cl. 424-1.100.
- Kuhlmann, Otto: *See—*
  - Sodler, Walter; Lubke, Eberhard; and Kuhlmann, Otto, 4,813,505, Cl. 177-212.000.
- Kuhlmann, Robert: *See—*
  - Neuroth, Peter; Kuhlmann, Robert; Turk, Gunter; and Becker, Adam, 4,857,289, Cl. 423-339.000.
- Kuhlmann, Werner; Spaeth, Werner; Waitl, Guenter; and Klann, Joerg, to Siemens Aktiengesellschaft. Method for producing an optocoupler. 4,857,746, 8-15-89, Cl. 250-551.000.
- Kuhlmann, Werner: *See—*
  - Althaus, Hans; Kuhlmann, Werner; and Spaeth, Werner, 4,888,061, Cl. 156-359.000.
  - Spaeth, Werner; Waitl, Guenther; Kuhlmann, Werner; Althaus, Hans-Ludwig; Birkmann, Rolf, Klos, Waltraud; and Schubert, Axel, 4,875,750, Cl. 350-96.180.
- Kuhlmann, Winfried: *See—*
  - Rietschel, Wolfgang; Kiel, Reinhard; Kahlert, Wolfgang; and Kuhlmann, Winfried, 4,868,124, Cl. 435-311.000.
- Kuhlmorgen, Karl J.: *See—*
  - Kersten, Reinhard; Kuhlmorgen, Karl J.; and Kuhl, Egbert, 4,871,961, Cl. 323-267.000.
- Kuhman, Daniel E.; Jansen, Frank; and Grammatica, Steven J., to Xerox Corporation. Amorphous silicon carbide electroreceptors. 4,885,220, 12-5-89, Cl. 430-31.000.
- Kuhmichel, Philip A.: *See—*
  - Liu, Yuan K.; Kuhmichel, Philip A.; Cordes, Fred G.; and Wong, Wayman, 4,879,127, Cl. 426-325.000.
- Kuhn, David G.: *See—*
  - Addor, Roger W.; Kuhn, David G.; and Wright, Donald P., Jr., 4,814,349, Cl. 514-522.000.
- Kuhn, David N.: *See—*
  - Beremand, Phillips D.; Ohlrogge, John B.; and Kuhn, David N., 4,888,282, Cl. 435-193.000.
- Kuhn, Falk, to Memminger GmbH. Knitting machine having relatively adjustable needle cams and sinker cams. 4,879,885, 11-14-89, Cl. 66-54.000.
- Kuhn, Falk: *See—*
  - Memminger, Gustav; Kuhn, Falk; and Fabschitz, Heinz, 4,829,790, Cl. 66-132.00R.
- Kuhn, Franz J.: *See—*
  - Weber, Karl-Heinz; Walther, Gerhard; Schneider, Claus; Hinzen, Dieter; Kuhn, Franz J.; and Lehr, Erich, 4,833,140, Cl. 514-343.000.
  - Weber, Karl-Heinz; Schneider, Claus; Walther, Gerhard; Hinzen, Dieter; Kuhn, Franz J.; Lehr, Erich; Ensinger, Helmut; and Troger, Wolfgang, 4,857,523, Cl. 514-252.000.
- Kuhn, Freidel: *See—*
  - Dietz, Wolfgang; and Kuhn, Freidel, 4,859,295, Cl. 204-105.00R.
- Kuhn, George C. Disposable bed pan. 4,833,742, 5-30-89, Cl. 5-90.000.
- Kuhn, Gerald: *See—*
  - Reesor, Gordon J.; and Kuhn, Gerald, 4,796,287, Cl. 379-390.000.
- Kuhn, Hans H.; and Kimbrell, William C., Jr., to Milliken Research Corporation. Electrically conductive textile materials and method for making same. 4,803,096, 2-7-89, Cl. 427-121.000.
- Kuhn, Hans H.; and Kimbrell, William C., Jr., to Milliken Research Corporation. Method for making electrically conductive textile materials. 4,877,646, 10-31-89, Cl. 427-121.000.
- Kuhn, Herbert: *See—*
  - Wilke, Gunther; Monkiewicz, Jaroslaw; and Kuhn, Herbert, 4,827,067, Cl. 585-369.000.
- Kuhn, Irene: *See—*
  - Andrews, William H., Brothers, Virginia M.; Files, James G.; Kuhn, Irene; McCaman, Michael T.; Paul, Leland S.; Sias, Stacey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesco, John L., 4,874,705, Cl. 435-252.330.
- Kuhn, Jakob, to Ciba-Geigy AG. Photographic four-color material for the silver dye bleach process. 4,837,133, 6-6-89, Cl. 430-358.000.
- Kuhn, James A., II, to FMC Corporation. Plate routing method and apparatus. 4,796,341, 1-10-89, Cl. 29-33.00P.
- Kuhn, James O. Synthetic eye simulating eyeball movement. 4,828.531, 5-9-89, Cl. 446-392.000.
- Kuhn, James O.: *See—*
  - Rosenberg, Irving; and Kuhn, James O., 4,850,688, Cl. 350-621.000.
- Kuhn, Jonathan C.: *See—*
  - Ulitzur, Shimon Y.; and Kuhn, Jonathan C., 4,861,709, Cl. 435-6.000.
- Kuhn, Lawrence H.; and Durant, Michael B., to Navistar International Transportation Corp. Electro-pneumatic tractor-trailer brake system. 4,877,294, 10-31-89, Cl. 303-9.000.
- Kuhn, Loughrey R., to Optical Communications Corp. Fiber optic data transmitting system. 4,831,662, 5-16-89, Cl. 455-608.000.
- Kuhn, Manfred: *See—*
  - Bayerlein, Friedrich; Kuhn, Manfred; and Maton, Michel, 4,826,700, Cl. 426-573.000.
  - Bayerlein, Friedrich; Keramaris, Nikolaos; Kottmair, Nikolaus; Kuhn, Manfred, and Maton, Michel M., 4,840,811, Cl. 426-430.000.
  - Springer, Hartmut; Kuhn, Manfred; and Buch, Holger M., 4,873,320, Cl. 534-632.000.
- Kuhn, Matthaus: *See—*
  - Roemer, Erich; Kuhn, Matthaus; and Maurer, Leonhard, 4,872,248, Cl. 29-149.5DP.
- Kuhn, Michael: *See—*
  - Abthoff, Jorg; Fortnagel, Manfred; Fricker, Ludwig; Kutschera, Immanuel; Kramer, Michael; and Kuhn, Michael, 4,836,161, Cl. 123-299.000.
- Kuhn, Michael H.; and McKinnon, Graeme C., to U.S. Philips Corporation. MR tomography method and MR tomography apparatus for performing the method. 4,820,984, 4-11-89, Cl. 324-309.000.
- Kuhn, Michael H., to U.S. Philips Corporation. Method and device for MR tomography. 4,825,160, 4-25-89, Cl. 324-309.000.
- Kuhn, Michael H.; Helzel, Thomas; Proksa, Roland; and Van Den Berg, Noel J. M., to U.S. Philips Corp. Magnetic resonance spectrometer. 4,873,486, 10-10-89, Cl. 324-307.000.
- Kuhn, Orval J., Jr.: *See—*
  - Hansen, Charles C., III; Yencho, John A.; Barbier, William J.; Knapp, Curtis H.; and Kuhn, Orval J., Jr., 4,809,125, Cl. 361-284.000.
- Kuhn, Peter: *See—*
  - Dietrich, Rainer; Burkardt, Norbert; and Kuhn, Peter, 4,847,029, Cl. 264-175.000.
- Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, to Wake Forest University. Immunological methods for diagnosing neurocysticercosis. 4,801,532, 1-31-89, Cl. 435-7.000.
- Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, to Wake Forest University. Antigens for diagnosing neurocysticercosis. 4,855,408, 8-8-89, Cl. 530-350.000.
- Kuhn, Reinhard: *See—*
  - Buhler, Ulrich; Tappe, Horst; Kuhn, Reinhard; Bode, Albert; and Boos, Margareta, 4,802,889, Cl. 8-639.000.
  - Buhler, Ulrich; Kruse, Hubert; Kuhn, Reinhard; and Boos, Margareta, 4,851,012, Cl. 8-639.000.
  - Hahnke, Manfred; and Kuhn, Reinhard, 4,872,882, Cl. 8-638.000.
- Kuhn, Siegfried; and Kreher, Peter-Jurgen, to Boehringer Werkzeugmaschinen GmbH. Guidance systems on machines. 4,812,057, 3-14-89, Cl. 384-42.000.
- Kuhn, Siegfried: *See—*
  - Horsky, Anton; Kuhn, Siegfried; and Voss, Wolf-Dietrich, 4,836,725, Cl. 409-201.000.
- Kuhn, S.A.: *See—*
  - Aron, Jerome, 4,875,332, Cl. 56-377.000.
  - Ermacora, Rino; and Neuerburg, Horst, 4,811,553, Cl. 56-13.600.
  - Ermacora, Rino; and Neuerburg, Horst, 4,833,868, Cl. 56-13.600.
  - Ermacora, Rino; and Helfer, Roland, 4,848,069, Cl. 56-15.800.
  - Kirch, Michel, 4,838,359, Cl. 172-123.000.

Neuerburg, Horst; and Jurgens, Jean-Marc, 4,809,488, Cl. 56-13.600.

Neuerburg, M. Horst, 4,879,870, Cl. 56-13.600.

Oberle, Edmond M.; and Klein, Jean M., 4,856,598, Cl. 172-54.500.

Kuhn, Timothy J.; Bender, James W.; and Thekdi, Arvind C., to Gas Research Institute. High capacity, retractable furnace hearth. 4,802,844, 2-7-89, Cl. 432-126.000.

Kuhn, Ulrich; and Stumpf, Sybille, to Robert Bosch GmbH. Apparatus for determining the flow rate of a flowing medium. 4,803,875, 2-14-89, Cl. 73-204.260.

Kuhn, Uwe: *See—*

Eckell, Wolfgang; Guentert, Josef; Haefele, Walter; Kraemer, Manfred; Kuhn, Uwe; and Warga, Johann, 4,840,161, Cl. 123-500.000.

Kuhn, Walter; and Muller, Hans, to Zahnradfabrik Friedrichshafen AG. Planetary-gear speed-change transmission. 4,823,641, 4-25-89, Cl. 74-760.000.

Kuhn, Wolf, to Maschinebau Oppenweiler Binder GmbH & Co. Electromechanical abutment sensor with resilient damper plate for sensing sheets in a sheet folding machine. 4,890,060, 12-26-89, Cl. 324-239.000.

Kuhn, Wolfgang, to Kopperschmidt-Mueller GmbH & Co. KG. Apparatus for simultaneously pumping a plurality of liquids. 4,806,079, 2-21-89, Cl. 417-343.000.

Kuhn, Wolfgang; and Juterbock, Karsten, to Kopperschmidt-Mueller GmbH & Co. KG. Nozzle assembly for spray guns. 4,842,203, 6-27-89, Cl. 239-705.000.

Kuhna, Rainer: *See—*

Hauffe, Dieter; Kuhna, Rainer; Muller, Gerhard; Rausch, Werner; and Schumichen, Helmut, 4,867,853, Cl. 204-181.300.

Kuhne, Friedrich W.; and Ivankovic, Stanislav, to Oxo Chemie GmbH. Method of promoting regeneration of bone marrow. 4,851,222, 7-25-89, Cl. 424-661.000.

Kuhne, Helmut: *See—*

Dimantoglou, Michael; and Kuhne, Helmut, 4,872,983, Cl. 210-500.290.

Kuhne, Rudolf; and Hamal, Heinrich, to Hoechst Aktiengesellschaft. Symmetrical and asymmetrical disazo compounds having a bis-aryloxy alkane bridge. 4,870,164, 9-26-89, Cl. 534-742.000.

Kuhnel, Werner: *See—*

Klaar, Karlo; Spielau, Paul; and Kuhnel, Werner, 4,833,005, Cl. 428-224.000.

Kuhnemann, Klaus D.: *See—*

Dykes, David S.; and Kuhnemann, Klaus D., 4,845,168, Cl. 525-423.000.

Kuhnen, Fred: *See—*

Carney, Robert L.; Lui, Alfred S. T.; Kuhnen, Fred; and Gruber, John M., 4,859,699, Cl. 514-447.000.

Kuhner, Rudolf; Schmitt, Gunter K.; and Stab, Rudolf, to Albert-Frankenthal AG. Modular folding apparatus. 4,861,326, 8-29-89, Cl. 493-359.000.

Kuhnert, Gottfried, to Universal Maschinenfabrik Dr. Rudolf Schieber GmbH & Co. Apparatus for adjusting the length and the mesh structure of knitted articles. 4,821,199, 4-11-89, Cl. 364-470.000.

Kuhnert, Reinhold: *See—*

Schulze, Hans-Joachim; and Kuhnert, Reinhold, 4,820,656, Cl. 437-169.000.

Kuhnis, Hans: *See—*

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Kuhnke, Thomas A.: *See—*

Penlesky, Robert G.; Wolbrink, David W.; Jonas, Kenneth J.; and Kuhnke, Thomas A., 4,867,640, Cl. 415-204.000.

Kuhnle, Hans-Frieder: *See—*

Wolff, Hans P.; and Kuhnle, Hans-Frieder, 4,833,161, Cl. 514-445.000.

Kuhns, David W.: *See—*

Taylor, Ron D.; and Kuhns, David W., 4,844,954, Cl. 427-407.100.

Kuhns, James J.: *See—*

Henry, Samuel B.; and Kuhns, James J., 4,840,437, Cl. 305-10.000.

Kuhnt, Rainer; Diemer, Wolfgang; Jakob, Kurt; and Brokhage, Josef, to Schenk Filterbau GmbH. Suction filter. 4,828,697, 5-9-89, Cl. 210-408.000.

Kuhnt, Winfried: *See—*

Hecht, Hans; and Kuhnt, Winfried, 4,873,490, Cl. 328-3.000.

Kuhrts, Eric H.: *See—*

Day, Charles E.; and Kuhrts, Eric H., 4,824,672, Cl. 424-195.100.

Day, Charles E.; and Kuhrts, Eric H., 4,883,788, Cl. 514-57.000.

Kuhtik, John N. Magnetic cropper. 4,854,049, 8-8-89, Cl. 33-464.000.

Kuijk, Karel, to U.S. Philips Corporation. Display arrangement with improved drive. 4,811,006, 3-7-89, Cl. 340-719.000.

Kuijk, Karel E., to U.S. Philips Corp. Display device with three-level drive. 4,810,059, 3-7-89, Cl. 350-333.000.

Kuijpers, Johannes A. M.; van Berkum, Piet; and Huisman, Henk, to VMI EPE Holland B.V. Apparatus for assessing the weld in belt layers for radial pneumatic tires. 4,842,413, 6-27-89, Cl. 356-426.000.

Kuijpers, Lambert J. M.; and De Wit, Johannes A., to U.S. Philips Corp. Refrigerating system. 4,848,098, 7-18-89, Cl. 62-211.000.

Kuindersma, Pieter I.: *See—*

Krekels, Henricus C. J.; and Kuindersma, Pieter I., 4,833,684, Cl. 372-49.000.

Kuiper, Gerald J.: *See—*

Clark, Michael R.; Kuiper, Gerald J.; Monson, Donald B.; and Tringali, Dominick, 4,797,516, Cl. 200-51.00R.

Orosz, Miklos J.; Tringali, Dominick; Monson, Donald B.; and Kuiper, Gerald J., 4,839,477, Cl. 200-50.0AA.

Kuipers, Boeli: *See—*

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Kuipers, Johannes: *See—*

Dolman, Hendrik; and Kuipers, Johannes, 4,889,863, Cl. 514-312.000.

Kuipers, Sytze A., to Lankhorst Recycling B.V. Unitary pallet. 4,848,247, 7-18-89, Cl. 108-52.100.

Kuisma, Heikki, to Vaisala Oy. Capacitor construction for use in pressure transducers. 4,831,492, 5-16-89, Cl. 361-283.000.

Kuisma, Heikki, to Vaisala Oy. Capacitive pressure transducer. 4,862,317, 8-29-89, Cl. 361-283.000.

Kuisma, Heikki, to Vaisala Oy. Pressure sensor construction and method for its fabrication. 4,875,134, 10-17-89, Cl. 361-282.000.

Kuivalainen, Reijo: *See—*

Engstrom, Folke; and Kuivalainen, Reijo, 4,841,884, Cl. 110-298.000.

Engstrom, Folke; Isaksson, Juhani M.; and Kuivalainen, Reijo, 4,864,944, Cl. 110-299.000.

Kuivanen, Lawrence J. Inflatable display container. 4,858,755, 8-22-89, Cl. 206-45.310.

Kujanpaa, Pentti K.: *See—*

Leiponen, Matti O.; Erlamo, Seppo J.; Kujanpaa, Pentti K.; and Ylimaki, Olli E., 4,806,213, Cl. 204-12.000.

Kujawa, Harry F.; and Hinderer, Nelson A., to Oteco Equipment Company. Protector for pipe connector hubs. 4,799,716, 1-24-89, Cl. 285-334.200.

Kujawski, Dennis, to C. R. Bard, Inc. Apparatus for positioning a sensor in vivo. 4,795,434, 1-3-89, Cl. 604-159.000.

Kujirai, Masaji; and Fukuhara, Yoshio, to Kabushiki Kaisha Toshiba. X-ray tube. 4,800,581, 1-24-89, Cl. 378-143.000.

Kuka: *See—*

Pockl, Franz, 4,856,701, Cl. 228-6.100.

Tradt, Hans-Richard; and Schillmeier, Hans, 4,852,237, Cl. 29-407.000.

Kuka Wehrtechnik GmbH: *See—*

Schiele, August; and Kaustrater, Gert, 4,823,675, Cl. 89-46.000.

Kuker, Wolfgang; Braemert, Peter; and Ortmann, Werner, to Linke-Hofmann-Busch GmbH. Gangway for a railway car passageway. 4,802,417, 2-7-89, Cl. 105-8.100.

Kukes, Simon G.; Gutberlet, L. Charles; and Miller, Jeffrey T., to Amoco Corporation. Three zone hydrocracking process. 4,797,195, 1-10-89, Cl. 208-59.000.

Kukes, Simon G.; Gutberlet, L. Charles; and Hensley, Albert L., Jr., to Amoco Corporation. Hydrocracking process using special juxtaposition of catalyst zones. 4,797,196, 1-10-89, Cl. 208-59.000.

Kukes, Simon G.; and Smith, Clifford E., to Phillips Petroleum Company. Extraction of metals from aqueous solutions with asphaltenes. 4,802,920, 2-7-89, Cl. 75-118.00R.

Kukes, Simon G.; and Howell, Jerald A., to Phillips Petroleum Company. Hydrofining of oils. 4,802,972, 2-7-89, Cl. 208-107.000.

Kukes, Simon G.; and Harris, Jesse R., to Phillips Petroleum Company. Hydrofining employing treated alumina material in fixed beds. 4,802,974, 2-7-89, Cl. 208-217.000.

Kukes, Simon G.; Davis, Thomas; and Brandes, Karlheinz K., to Phillips Petroleum Company. Pretreated alumina containing material and process for its preparation. 4,814,315, 3-21-89, Cl. 502-200.000.

Kukes, Simon G.; and Brandes, Karlheinz K., to Phillips Petroleum Company. Treated alumina material for fixed hydrofining beds and process for its preparation. 4,820,676, 4-11-89, Cl. 502-220.000.

Kukes, Simon G.; Miller, Jeffrey T.; Gutberlet, L. C.; and Kelterborn, Jeffrey C., to Amoco Corporation. Hydrocracking process using disparate catalyst particle sizes. 4,834,865, 5-30-89, Cl. 208-59.000.

Kukes, Simon G.; and Harris, Jesse R., to Phillips Petroleum Company. Treated alumina material for fixed hydrofining beds. 4,870,044, 9-26-89, Cl. 502-220.000.

Kukes, Simon G.; Miller, Jeffrey T.; and Gutberlet, Louis C., to Amoco Corporation. Two-catalyst hydrocracking process. 4,875,991, 10-24-89, Cl. 208-59.000.

Kukes, Simon G.; Banks, Robert L.; and Harris, Jesse R., to Phillips Petroleum Company. Oligomerization of olefins. 4,879,425, 11-7-89, Cl. 585-350.000.

Kukes, Simon G.: *See—*

Brandes, Karlheinz K.; Kukes, Simon G.; and Davis, Thomas, 4,824,556, Cl. 208-143.000.

Brandes, Karlheinz K.; Kukes, Simon G.; and Davis, Thomas, 4,831,004, Cl. 502-220.000.

Brown, Ronald E.; Hogan, Robert J.; Coombs, Daniel M.; and Kukes, Simon G., 4,885,080, Cl. 208-218.000.

Gardner, Lloyd E.; and Kukes, Simon G., 4,828,683, Cl. 208-216.00R.

Kolts, John H.; and Kukes, Simon G., 4,808,394, Cl. 423-437.000.

Kukesh, Timothy S., to Glas-Craft, Inc. Plural component application system. 4,809,909, 3-7-89, Cl. 239-1.000.

Kukesh, Timothy S.; and Huber, Larry G., to Glas-Craft, Inc. Plural component tester. 4,841,768, 6-27-89, Cl. 73-168.000.

Kuki, Masaru: *See—*

Nakade, Toshimitsu; Kuki, Masaru; and Uno, Takaaki, 4,847,751, Cl. 364-200.000.

Kukimoto, Takashi, to Bridgestone Corporation. Heavy duty pneumatic radial tires. 4,840,210, 6-20-89, Cl. 152-209.00A.

Kukin, Ira. Combustion control by addition of manganese and magnesium in specific amounts. 4,804,388, 2-14-89, Cl. 44-51.000.

Kukin, Ira. Combustion control by addition of magnesium compounds of particular particle sizes. 4,842,617, 6-27-89, Cl. 44-51.000.

Kukita, Kenichi: *See—*

Nagaoka, Katsuhiko; Matsumoto, Masaru; Yokoi, Koichi; Oono, Junji; Kukita, Kenichi; and Nakashima, Toshiaki, 4,835,287, Cl. 548-453.000.

Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.

Kukke, Gopal S., to Pioneer Industries, Division of Core Industries, Inc. Drywall frame compression anchor assembly and frame. 4,873,804, 10-17-89, Cl. 52-217.000.

Kuklinski, Anthony K. Saber saw blade. 4,802,396, 2-7-89, Cl. 83-849.000.

Kukolj, Mirko. Axially contractable actuator. 4,819,547, 4-11-89, Cl. 92-261.000.

Kukovich, Charlie, Jr. Shiftable truck bed. 4,841,883, 6-27-89, Cl. 108-137.000.

Kukovich, Charlie, Jr. Shiftable truck bed. 4,867,075, 9-19-89, Cl. 108-137.000.

Kukowski, Thomas R.: *See—*

Penney, Richard C.; Kukowski, Thomas R.; Sundquist, Stephen K.; and Mike, Charles J., 4,848,361, Cl. 128-774.000.

Kukson, Dean R.; Melas, Constantin M.; and Poss, Joey M., to International Business Machines Corporation. Single stage feedforward equalizer. 4,853,802, 8-1-89, Cl. 360-65.000.

Kukuca, Albert S.: *See—*

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Kukulinsky, David H., to Digital Equipment Corporation. Voltage controlled high-frequency attenuator. 4,839,611, 6-13-89, Cl. 330-284.000.

Kula, Maria-Regina; Hummel, Werner; Schutte, Horst; and Leuchtenberger, Wolfgang, to Degussa Aktiengesellschaft and Gesellschaft fur biotechnologische Forschung-mit beschrankter Haftung GBF. Microbiologically produced α-acetylamino cinnamic acid acylase, method of its production and its use. 4,877,734, 10-31-89, Cl. 435-228.000.

Kula, Maria-Regina: *See—*

Cordes, Arno; Kula, Maria-Regina; Kroner, Karl-Heinz; and Stach, Wolfgang, 4,879,234, Cl. 435-189.000.

Hummel, Werner; Schutte, Horst; Kula, Maria-Regina; and Leuchtenberger, Wolfgang, 4,824,781, Cl. 435-146.000.

Kulagin, Rim A.: *See—*

Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobko, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,796,956, Cl. 299-69.000.

Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladeen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,819,542, Cl. 91-172.000.

Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladlen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,884,642, Cl. 173-139.000.

Kulakow, Eric M. Gun magazine and spring assembly. 4,331,761, 5-23-89, Cl. 42-50.000.

Kulakowski, John E.; and Means, Rodney J., to International Business Machines Corporation. Data processing peripheral subsystems having a controller and a plurality of peripheral devices. 4,813,011, 3-14-89, Cl. 364-900.000.

Kulakowski, John E.; and Means, Rodney J., to International Business Machines Corporation. Alternate storage areas in magnetooptical media. 4,814,903, 3-21-89, Cl. 360-48.000.

Kulakowski, John E.; and Means, Rodney J., to International Business Machines Corporation. Rotational position controls for optical disk players using removable disks. 4,839,877, 6-13-89, Cl. 369-43.000.

Kulakowski, John E.: *See—*

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Kulander, Hans, to MRT System Aktiebolag. Treatment of mercurial waste. 4,840,314, 6-20-89, Cl. 241-24.000.

Kulat, Andrew C. Adjustable, manual snowplow. 4,796,367, 1-10-89, Cl. 37-273.000.

Kulbersh, Irwin: *See—*

Ettlinger, Ralph; and Kulbersh, Irwin, 4,815,394, Cl. 108-111.000.

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Kulcsar, Erno: *See—*

Vodicska, Miklos; Vajda, Nora; Zagyvai, Peter; Solymosi, Jozsef; Nagy, Lajos G.; Kulcsar, Erno; Takacs, Marta; and Ambrus, Peter, 4,806,278, Cl. 252-631.000.

Kulcsar, Gabor: *See—*

Szilagyi, Imre; Dekany, Gyula; Frank, Judit; Horvath, Gabor; and Kulcsar, Gabor, 4,873,348, Cl. 549-271.000.

Kulcsar, Gyula; and Solymos, Andras, to Tatabanyai Szenbanyak. Process for the separation of rock refuse and coal products. 4,838,433, 6-13-89, Cl. 209-3.000.

Kule, Engelbert; and Adler, Alfons, to Bayer Aktiengesellschaft. Preparation of 3-sulphenylmaleimides. 4,874,874, 10-17-89, Cl. 548-544.000.

Kulesza, Ralph J.; Wimmer, Frank; and Breslow, Jeffrey D., to Marvin Glass & Associates. Target game apparatus with steps. 4,834,391, 5-30-89, Cl. 273-393.000.

Kulhlemann, Bruce: *See—*

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Kulibert, Gregory S.; and Kenyon, Kenneth H., to Rayovac Corporation. Seal for alkaline primary battery. 4,816,355, 3-28-89, Cl. 429-174.000.

Kulick, John M. Collapsible exercise device. 4,805,901, 2-21-89, Cl. 272-73.000.

Kulicke & Soffa Industries, Inc.: *See—*

Berkin, George; Heady, Richard F.; Clarke, Jeffrey; Raghavan, Asuri; Foran, Raymond; Mayer, Ralph; and Chlebda, Joseph, 4,823,394, Cl. 382-8.000.

Berkin, George M., 4,853,968, Cl. 382-8.000.

Dreibelbis, John D., 4,808,892, Cl. 318-135.000.

Michaud, Gerard H.; Graham, James H.; and Stout, Roger P., 4,797,994, Cl. 29-720.000.

Michaud, Gerard H.; Graham, James H.; and Stout, Roger P., 4,876,791, Cl. 29-840.000.

Patel, Dipakkumar I.; and Giampa, Randall S., 4,808,948, Cl. 331-4.000.

Safabakhsh, Ali R.; and Amorosi, Vincent G., 4,850,780, Cl. 414-417.000.

Kulig, Constantine W., to Emhart Industries, Inc. Straight line glass gob shear. 4,813,994, 3-21-89, Cl. 65-334.000.

Kuliga, Thomas N.: *See—*

Pokrandt, Glenn C.; Busser, William F.; Timmermann, Donald N.; and Kuliga, Thomas N., 4,881,921, Cl. 464-54.000.

Kulik, David B.: *See—*

Schara, Kristen T.; Kulik, David B.; and McIlvaine, Scott E., 4,875,461, Cl. 125-23.00R.

Kulik, Helmut. Wheelchair handbrakes with actuator tube and replaceable brake stopper. 4,852,697, 8-1-89, Cl. 188-2.00F.

Kulik, Joseph S.: *See—*

Keeffe, William M.; Karlotski, Robert J.; Kulik, Joseph S.; and Bazin, Simone P., 4,888,517, Cl. 313-25.000.

Kulikowski, Ernest F.: *See—*

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Kulinich, Alexandr V.: *See—*

Atabekov, Iosif G.; Avaeva, Svetlana M.; Baikov, Alexandr A.; Kulinich, Alexandr V.; Mizenina, Olga A.; Kasho, Vladimir N.; and Smirnova, Irina N., 4,808,522, Cl. 435-7.000.

Kulis, Lawrence J., to United Technologies Automotive, Inc. Panel in-part locators. 4,883,312, 11-28-89, Cl. 296-214.000.

Kulisch, Siegfried: *See—*

Wagner, Wolfram; Nyssen, Peter R.; Paulini, Dieter; Berkenhaus, Dirk; and Kulisch, Siegfried, 4,794,751, Cl. 57-308.000.

Kulisch, Ulrich; and Kirchner, Reinhard, to Kulisch, Ulrich. Circuitry for generating sums, especially scalar products. 4,866,653, 9-12-89, Cl. 364-748.000.

Kulite Semiconductor Products, Inc.: *See—*

Ainsworth, Roger W.; Allen, John L.; and Kurtz, Anthony D., 4,860,442, Cl. 29-8.320.

Kurtz, Anthony D., 4,814,845, Cl. 357-26.000.

Kurtz, Anthony D.; Nunn, Timothy A.; and Weber, Richard A., 4,814,856, Cl. 357-73.000.

Kulitz, Gunter, to ESTA Apparatebau GmbH & Co. KG. Cleaner for swimming pools and the like. 4,801,376, 1-31-89, Cl. 210-123.000.

Kulju, Hannu; and Varri, Alpo O., to Kone Elevator GmbH. Method of and apparatus for counting objects. 4,800,386, 1-24-89, Cl. 342-61.000.

Kulju, Hannu; and Kontturi, Risto, to Kone Elevator GmbH. Method for selecting the mode of operation of an object counting means. 4,870,663, 9-26-89, Cl. 367-94.000.

Kulka, Marshal: *See—*

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Kulkarni, Chidambar L.: *See—*

Lim, Drahoslav; and Kulkarni, Chidambar L., 4,861,840, Cl. 525-326.500.

Kulkarni, Murlidhar V.; and Lancaster, William H., Jr., to International Business Machines Corporation. Interferometric dimensional measurement and defect detection method. 4,844,616, 7-4-89, Cl. 356-351.000.

Kulkarni, Subrao S.: *See—*

Bhatt, Girish I.; Kulkarni, Subrao S.; Upasani, Chandrashekhar B.; and Bhatt, Mukundbhai; R., 4,816,034, Cl. 8-641.000.

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Kulkarni, Vivek D.: *See—*

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Kulkereskedelmi Transelektro Magyar Villamossagi Vallalat: *See—*

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Kull, Bernd: *See—*

Lorenz, Dotsch; Hofer, Karl-Heinz; Retrayt, Jean-Louis; and Kull, Bernd, 4,884,787, Cl. 266-270.000.

Kull, Leo: *See—*

LaManna, Richard J.; Hinton, James L.; Cucksey, Edward L.; and Kull, Leo, 4,866,545, Cl. 360-53.000.

Kulle, Lee; Desecki, Vince; and Hess, John M, III, to Baxter International Inc. Self-priming injection site with check valve. 4,874,369, 10-17-89, Cl. 604-86.000.

Kullen, Albrecht; Klawuhn, Manfred; Hickel, Sigrun; and Franke, Wolfgang, to Braun Aktiengesellschaft. Agitating and kneading tool. 4,842,416, 6-27-89, Cl. 366-314.000.

Kullendorff, Anders N.; Jansson, Bjorn G.; and Olofsson, Jan I., to Gotaverken Energy Systems AB. Controlling thermal transmission rate at a fast fluidized bed reactor. 4,813,381, 3-21-89, Cl. 122-4.00D.

Kulli, John; Mitchell, Thomas M.; and Brown, Arthur E. Drug dose rate calculator. 4,807,170, 2-21-89, Cl. 364-413.010.

Kullmann, Bernhard; Remfrey, James; and Schlechtriem, Klaus, to Alfred Teves GmbH. Brake for a vehicle trailer. 4,842,340, 6-27-89, Cl. 303-7.000.

Kulp, Earl F., Jr. Apparatus for forming precisely arcuate cuts in a workpiece. 4,798,506, 1-17-89, Cl. 409-179.000.

Kulp, George R., to Fischer & Porter Company. Cursor control matrix for computer graphics. 4,803,474, 2-7-89, Cl. 340-709.000.

Kulp, Jack H.; and Erwin, Carl L., to Signal, Inc. Plastic barricade. 4,859,983, 8-22-89, Cl. 340-908.100.

Kulpa, Charles F.; and Johnston, Michael G., to Occidental Chemical Corporation. Microorganism for degrading toxic waste materials. 4,803,166, 2-7-89, Cl. 435-253.300.

Kulprathipanja, Santi, to UOP. Process for separating glucose and mannose with CA/NH4 - exchanged ion exchange resins. 4,837,315, 6-6-89, Cl. 536-127.000.

Kulprathipanja, Santi; Oroskar, Anil R.; and Priegnitz, James W., to UOP. Separation of citric acid from fermentation broth with a weakly basic anionic exchange resin adsorbent. 4,851,573, 7-25-89, Cl. 562-580.000.

Kulprathipanja, Santi, to UOP Inc. Separation of citric acid from fermentation broth with a strongly basic anionic exchange resin adsorbent. 4,851,574, 7-25-89, Cl. 562-580.000.

Kulprathipanja, Santi, to UOP. Process for separating arabinose from a mixture of other aldoses. 4,857,642, 8-15-89, Cl. 536-127.000.

Kulprathipanja, Santi, to UOP. Process for separating arabinose from a mixture of aldoses. 4,880,919, 11-14-89, Cl. 536-127.000.

Kuluris, Maria: *See—*
- DuGrenier, Robert; and Kuluris, Maria, 4,815,483, Cl. 132-295.000.

Kulzer & Co., GmbH: *See—*
- Breitbarth, Friedrich-Wilhelm; Tiller, Hans-Jurgen; Grosch, Michael; Schmidt, Albert; Janda, Ralf; and Oppawsky, Steffen, 4,799,753, Cl. 350-96.180.
- Gwinner, Lutz, 4,848,719, Cl. 249-114.100.
- Oppawsky, Steffen, 4,839,521, Cl. 250-453.100.

Kuma, Tosimi; and Okano, Hiroshi, to Kabushiki Kaisha Seibu Giken; and Kuma, Tosimi, part interest to each. Humidity exchanger element. 4,871,607, 10-3-89, Cl. 428-186.000.

Kuma, Tosimi; and Okano, Hiroshi, to Kabushiki Kaisha Seibu Giken. Active gas adsorbing element and method of manufacturing. 4,886,769, 12-12-89, Cl. 502-62.000.

Kumabe, Hisao; and Susaki, Wataru, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser. 4,841,532, 6-20-89, Cl. 372-45.000.

Kumabe, Hisao; and Susaki, Wataru, to Mitsubishi Denki Kabushiki Kaisha. Method of making and separating semiconductor lasers. 4,883,771, 11-28-89, Cl. 437-129.000.

Kumabe, Hisao, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser device. 4,890,292, 12-26-89, Cl. 372-415.000.

Kumabe, Junichi: *See—*
- Hirosawa, Takumi; Hirayama, Yuzo; Sagara, Keiki; Isomichi, Mituhiro; and Kumabe, Junichi, 4,826,898, Cl. 524-88.000.

Kumabe, Yuichi: *See—*
- Goto, Susumu; Kumabe, Yuichi; and Okunuki, Masahiko, 4,812,662, Cl. 250-491.100.

Kumada, Akio, to Hitachi Maxell, Ltd. Piezoelectric revolving resonator and ultrasonic motor. 4,868,446, 9-19-89, Cl. 310-323.000.

Kumada, Akira; Murata, Michihiro; Itoh, Nobuhiro; and Kitoh, Norimitsu, to Murata Manufacturing Co., Ltd. Charge completion detector. 4,833,390, 5-23-89, Cl. 320-2.000.

Kumada, Akira: *See—*
- Dohi, Katsuji; Kumada, Akira; and Murata, Michihiro, 4,883,366, Cl. 374-184.000.

Kumada, Junji; Mitsuhashi, Tetsuo; Okano, Fumio; Ishida, Jun'ichi; Oketani, Takashi; and Kondo, Tatsuhiko, to Nippon Hoso Kyoka. Television synchronization system. 4,864,400, 9-5-89, Cl. 358-148.000.

Kumada, Junji: *See—*
- Ando, Fumihiko; Kumada, Junji; Fujita, Yoshihiro; Yamada, Hidetoshi; and Nakamura, Kazuhiko, 4,839,729, Cl. 358-213.160.

Kumada, Masaharu; and Misumi, Akira, to Hitachi, Ltd. Method of producing shadow mask of color cathode ray tube. 4,872,924, 10-10-89, Cl. 148-12.100.

Kumada, Masaharu: *See—*
- Suzuki, Yukio; and Kumada, Masaharu, 4,833,361, Cl. 313-346.00R.

Kumada, Shoji: *See—*
- Karashima, Kunihiko; Kumada, Shoji; Yoshida, Katsumasa; and Katase, Hiroharu, 4,862,044, Cl. 318-254.000.

Kumada, Yoshio: *See—*
- Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,806,308, Cl. 420-530.000.
- Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,818,487, Cl. 420-530.000.
- Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,822,561, Cl. 420-530.000.

Kumagae, Kimitaka: *See—*
- Okamura, Yoshio; Kumagae, Kimitaka; Itoh, Hideyuki; and Mori, Shigeru, 4,868,063, Cl. 428-429.000.

Kumagai, Atuhiro: *See—*
- Matsumoto, Yoshiharu; Kumagai, Atuhiro; and Ota, Shuichi, 4,802,034, Cl. 360-85.000.

Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, to Honda Giken Kogyo Kabushiki Kaisha. Method of detecting reference crank angle position in an internal combustion engine at the time of starting same. 4,796,208, 1-3-89, Cl. 364-559.000.

Kumagai, Chiaki, to Honda Giken Kogyo Kabushiki Kaisha. Method of discriminating a stroke of a 4-cycle internal combustion engine. 4,870,587, 9-26-89, Cl. 364-431.070.

Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, to Honda Giken Kogyo Kabushiki Kaisha. Method of examining operation of electronic control system for internal combustion engines. 4,887,215, 12-12-89, Cl. 364-431.040.

Kumagai, Chikanori: *See—*
- Tatebayashi, June; Takada, Tomoaki; Hayashi, Kimitaka; and Kumagai, Chikanori, 4,877,397, Cl. 432-106.000.

Kumagai, Fumio; and Okazaki, Toshio, to Yazaki Corporation. Branch wire protector. 4,797,512, 1-10-89, Cl. 174-135.000.

Kumagai, Kazuhide: *See—*
- Shibata, Mitsuhiro; Kumagai, Kazuhide; Fukuo, Koichi; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,807,574, Cl. 123-40.160.

Kumagai, Keiji: *See—*
- Akizuki, Ikuo; Kaya, Hiroshi; Okano, Shohei; Otake, Nobuo; Kumagai, Keiji; and Kaneko, Yoshihito, 4,837,193, Cl. 502-242.000.
- Ohta, Satoshi; Tanagawa, Kouzi; Yamamoto, Hideo; and Kumagai, Keiji, 4,812,634, Cl. 235-492.000.

Kumagai, Masao: *See—*
- Enomoto, Hiromu; Dohgome, Hirofumi; Kumagai, Masao; Nakamura, Toru; and Yoshiyama, Kimitaka, 4,883,975, Cl. 307-290.000.
- Furukawa, Masatoshi; Kumagai, Masao; Sugawara, Tadami; Sasaki, Hatsuo; Hishi, Yuichi; and Takahashi, Atsushi, 4,835,642, Cl. 360-105.000.

Kumagai, Naotake: *See—*
- Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, 4,846,496, Cl. 280-689.000.

Kumagai, Shigeru: *See—*
- Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,819,212, Cl. 365-230.000.
- Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,831,592, Cl. 365-189.090.

Kumagai, Shiro, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Temperature control apparatus for vehicular catalytic converters. 4,817,385, 4-4-89, Cl. 60-288.000.

Kumagai, Shuzo: *See—*
- Takahashi, Hareo; Terauchi, Kiyoshi; Hatakeyama, Hideharu; and Kumagai, Shuzo, 4,869,154, Cl. 92-71.000.
- Takahashi, Hareo; Hatakeyama, Hideharu; and Kumagai, Shuzo, 4,870,893, Cl. 92-71.000.
- Toyoda, Hiroshi; Shimizu, Shigemi; Hatakeyama, Hideharu; Kumagai, Shuzo; and Takahashi, Hareo, 4,870,894, Cl. 92-71.000.

Kumagai, Tadanobu, to Toyota Jidosha Kabushiki Kaisha. Drive shaft apparatus for transverse engine vehicle. 4,796,722, 1-10-89, Cl. 180-297.000.

Kumagai, Takao: *See—*
- Maehara, Masanori; Kumagai, Takao; Yoshida, Shuji; and Tsuyama, Manabu, 4,870,517, Cl. 360-96.500.
- Ohshima, Eiji; Kumagai, Takao; and Baba, Hiromitsu, 4,796,115, Cl. 360-85.000.

Kumagai, Takeshi, to Alps Electric Co., Ltd. Disk supporting mechanism in disk driving device. 4,831,474, 5-16-89, Cl. 360-97.010.

Kumagai, Takeshi, to Alps Electric Co., Ltd. Disk holding device for disk drive. 4,845,578, 7-4-89, Cl. 360-97.010.

Kumagai, Tatsuya: *See—*
- Takuma, Yuuetsu; Kajioka, Hiroshi; Kumagai, Tatsuya; Tokunaga, Toshihide; and Yamada, Kohdo, 4,818,047, Cl. 350-96.330.

Kumagai, Teruo; Horiba, Tatsuo; Kamo, Tomoichi; Takeuchi, Seiji; Iwamoto, Kazuo; Kitami, Kunko; and Tamura, Kohki, to Hitachi, Ltd. Fuel cell comprising a device for detecting the concentration of methanol. 4,810,597, 3-7-89, Cl. 429-22.000.

Kumagai, Toshimitsu: *See—*
- Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.

Kumagai, Toshio; Matsunaga, Hiroshi; Machida, Yoshisuke; Nagae, Yunosuke; Hikida, Muneo; and Nagao, Yoshimitsu, to Lederle (Japan), Ltd. (1R,5S,6S)-2-[(6,7-dihydro-5H-pyrazolo[1,2-a][1,2,4]triazolium-6-yl)]thio-6-[R-1-hydroxyethyl]-1-methyl-carbapenum-3-carboxylate. 4,866,171, 9-12-89, Cl. 540-350.000.

Kumagai, Yasuaki: *See—*
- Kono, Yoichiro; Kumagai, Yasuaki; Takeda, Nobuaki; and Ogita, Hiroshi, 4,881,959, Cl. 55-267.000.

Kumagai, Yukio, to Pfizer Inc. Automatic gunning apparatus with detachably mounted gunning pipe. 4,801,096, 1-31-89, Cl. 239-752.000.

Kumagai, Yuzo; and Aoki, Yasutoshi, to Bridgestone Corporation. Method of producing tire belts. 4,846,907, 7-11-89, Cl. 156-130.000.

Kumagai, Yuzo, to Bridgestone Corporation. Tire forming method and apparatus. 4,875,959, 10-24-89, Cl. 156-123.000.

Kumagami, Naoki; Nakagawa, Yoshihiro; Yuzawa, Atsushi; Hirose, Kiichiro; Sato, Yukie; and Shiosaka, Akihiro, to Toppan Printing Co. Ltd. Apparatus for sterilizing sealed food stuffs by microwave irradiation. 4,822,967, 4-18-89, Cl. 219-10.55F.

Kumagaya Seimitsu Co., Ltd.: *See—*
- Kawashima, Kinji, 4,833,355, Cl. 310-198.000.

Kumagi, Shoji: *See—*
- Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Kumagi, Shoji, 4,873,623, Cl. 364-188.000.

Kumahora, Hiroki; Hashimoto, Tsuneyuki; and Nishimura, Eiichi, to Hitachi, Ltd. Method and apparatus for measuring degree of vacuum in an electron microscope. 4,803,356, 2-7-89, Cl. 250-306.000.

Kumai Chemical Industry Co., Ltd.: *See—*
- Yonekura, Norihisa; Yumita, Takashi; Nezu, Yukio; Kojima, Yoshiyuki; Maeno, Shin-ichiro; and Yaguchi, Shigeharu, 4,871,751, Cl. 514-345.000.

Kumai, Fumitaka; and Takano, Yoshihiro, to Tekken Construction Co., Ltd. Method of making covering wall of tunnel made by shield type excavator. 4,799,824, 1-24-89, Cl. 405-146.000.

Kumai, Fumitaka: *See—*
- Yamamoto, Minoru; and Kumai, Fumitaka, 4,863,313, Cl. 405-146.000.

Kumai, Hiroshi: *See—*
- Gunjima, Tomoki; Kumai, Hiroshi; Akatsuka, Minoru; and Tsuchiya, Shoichi, 4,818,070, Cl. 350-334.000.
- Gunjima, Tomoki; Kumai, Hiroshi; Tsuchiya, Shoichi; and Masuda, Kaoriko, 4,834,509, Cl. 350-347.00V.

Kumakawa, Shiro, to Teijin Limited. Reinforced rubber article. 4,835,055, 5-30-89, Cl. 428-378.000.

Kumaki, Jiro, to Research Development Corporation of Japan. Ultra fine polymer particle and composite material of preparation for methods. 4,839,463, 6-13-89, Cl. 528-499.000.

Kumakura, Minoru: *See—*
- Kaetsu, Isao; Kumakura, Minoru; Suyama, Hidenari; Kameda, Nobuo; and Koyama, Hideo, 4,839,109, Cl. 264-1.400.

Kumakura, Toshio: *See—*
- Asanae, Masumi; and Kumakura, Toshio, 4,865,936, Cl. 430-100.000.

Kumakura, Toshiyuki: *See—*
- Kobayashi, Ryuichi; Harada, Yoshihito; Kawamura, Masaharu; Kataoka, Hiroyuki; and Kumakura, Toshiyuki, 4,806,963, Cl. 354-415.000.

Kumakura, Tosiyuki; Kataoka, Hiroyuki; and Ohmori, Kouichi, to Canon Kabushiki Kaisha. Light integrating circuit for use in a light measuring device which is accurate for both low and high light values. 4,808,811, 2-28-89, Cl. 250-214.00L.

Kumakura, Tosiyuki: *See—*
- Kataoka, Hiroyuki; and Kumakura, Tosiyuki, 4,881,013, Cl. 315-241.00P.

Kumamoto, Hidechika; Kuroyanagi, Satoshi; and Hori, Setsuo, to Mita Industrial Co., Ltd. Automatic image-density control system. 4,812,881, 3-14-89, Cl. 355-77.000.

Kumamoto, Kazuo: *See—*
- Motonari, Kazunori; Kumamoto, Kazuo; Turuda, Shigeto; Ito, Yutaka; and Mitsutake, Taiichiro, 4,801,506, Cl. 428-421.000.

Kumamoto, Toshio; and Nakaya, Masao, to Mitsubishi Denki Kabushiki Kaisha. Comparator bank of A/D converter. 4,827,262, 5-2-89, Cl. 341-158.000.

Kumamura, Tawara: *See—*
- Iwagaki, Masaru; Sasaki, Takashi; Kumamura, Tawara; Ishii, Fumio; and Koshizuka, Kunihiro, 4,840,882, Cl. 430-505.000.

Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; and Amano, Shinya, to Kabushiki Kaisha Toshiba. Machine translation system. 4,821,230, 4-11-89, Cl. 364-900.000.

Kumano, Akira: *See—*
- Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, 4,866,670, Cl. 364-900.000.

Kumano, Fumihiro, to Matsushita Electric Works, Ltd. Electric dry shaver with trimmer unit. 4,866,843, 9-19-89, Cl. 30-34.100.

Kumano, Fumihiro: *See—*
- Fujikawa, Shouji; Araki, Masakatsu; Kumano, Fumihiro; and Tsujimura, Shinichirou, 4,888,870, Cl. 30-233.500.

Kumano, Shinji; and Murasaki, Motoshi, to Nippon Gakki Seizo Kabushiki Kaisha. Keyboard device of electronic musical instrument. 4,846,041, 7-11-89, Cl. 84-435.000.

Kumanomido, Shin-ichi. Thin, large format film holder and adapter therefor. 4,804,989, 2-14-89, Cl. 354-283.000.

Kumanomido, Takaki: *See—*
- Momodomi, Masaki; Ogura, Mitsugi; and Kumanomido, Takaki, 4,881,113, Cl. 357-51.000.

Kumanoya, Masaki: *See—*
- Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.
- Konishi, Yasuhiro; Fujishima, Kazuyasu; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; and Dosaka, Katsumi, 4,809,230, Cl. 365-189.000.
- Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.
- Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.

Kumar, Amanda H.: *See—*
- Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.

Kumar, Anand: *See—*
- Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Leong, Koon-Wah; and Kumar, Anand, 4,808,539, Cl. 436-74.000.
- Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.

Kumar, K. Sharvan; and Precht, Walter, to Martin Marietta Corporation. Multicomponent, low density cubic $L1_2$ aluminides. 4,865,666, 9-12-89, Cl. 148-437.000.

Kumar, K. Sharvan: *See—*
- Koczak, Michael J.; and Kumar, K. Sharvan, 4,808,372, Cl. 420-457.000.

Kumar, M. Lalith, to Suprex Corporation. Chromatographic separation method and associated apparatus. 4,814,089, 3-21-89, Cl. 210-659.000.

Kumar, M. Lalith, to Suprex Corporation. Chromatographic separation method and associated apparatus. 4,871,453, 10-3-89, Cl. 210-198.200.

Kumar, Manoj; Goyal, Ambuj; and Rathi, Bharat D., to International Business Machines Corporation. Method and apparatus for detecting transient errors. 4,813,044, 3-14-89, Cl. 371-55.000.

Kumar, Manoj: *See—*
- Dias, Daniel M.; and Kumar, Manoj, 4,862,454, Cl. 370-94.000.

Kumar-Misir, Victor. Bound book with bound holder carrying loose-leaf pages. 4,811,973, 3-14-89, Cl. 281-21.00A.

Kumar, Prithvi R.; and Abare, Wayne, to Harris Corporation. Switching power supply filter. 4,888,675, 12-19-89, Cl. 363-47.000.

Kumar, Rakesh: *See—*
- Khanna, Yash P.; Bhattacharjee, Himangshu R.; Kumar, Rakesh; Williams, Jon I.; and Sibilia, John P., 4,876,127, Cl. 428-35.700.
- Kotliar, Abraham M.; Sacks, William; Sibilia, John P.; and Kumar, Rakesh, 4,886,689, Cl. 428-35.700.

Kumar, Ravi: *See—*
- Schmidt, William P.; Kumar, Ravi; and Abel, Alan D., 4,813,977, Cl. 55-26.000.

Kumar, Shalabh; and Johnson, Keith R., to Autotech Corporation. Digital resolver/encoder assembly. 4,810,917, 3-7-89, Cl. 310-68.00R.

Kumar, Shalabh; and Edgar, Duane, to Autotech Corporation. Programmable control apparatus including an absolute position transducer. 4,835,676, 5-30-89, Cl. 364-142.000.

Kumar, Shalabh; and Edgar, Duane, to Microfast Controls Corp. Programmable control device for high speed processing of data. 4,839,789, 6-13-89, Cl. 364-142.000.

Kumar, Sudesh: *See—*
- Goldberg, Eugene P.; Burns, Jim; Sheets, John W.; Larson, Jeffrey A.; Kumar, Sudesh; and Osborn, David, 4,806,382, Cl. 427-2.000.

Kumar, Surinder: *See—*
- Ward, Wendell; Kumar, Surinder; Mack, Melba; Keller, Lewis; and Fitzwater, Margaret, 4,808,422, Cl. 426-143.000.

Kumar, Virendra: *See—*
- Bailey, Denis M.; and Kumar, Virendra, 4,888,352, Cl. 514-406.000.

Kumasaka, Hideyuki; Takao, Kouji; and Kuriyama, Hiroshi, to Nissan Motor Co., Ltd. Vehicle structure, especially chassis frame structure. 4,881,756, 11-21-89, Cl. 280-785.000.

Kumasaka, Niroyuki; Otomo, Shigekazu; Yamashita, Takeo; Saito, Noritoshi; Saitoh, Yokuo; and Sakurai, Hiroshi, to Hitachi, Ltd. Floating magnetic head having a magnetic core buried in a channel on an air bearing rail. 4,851,942, 7-25-89, Cl. 360-103.000.

Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; Zama, Hideo; and Morikawa, Juichi, to Hitachi, Ltd. Magnetic head having improved track width narrowing grooves. 4,803,338, 2-7-89, Cl. 360-122.000.

Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; and Saito, Noritoshi, to Hitachi, Ltd. Magnetic head having short distance between gaps for recording reproducing and erasing. 4,847,715, 7-11-89, Cl. 360-122.000.

Kumasaka, Noriyuki: *See—*
- Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuitoo, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, 4,814,921, Cl. 360-126.000.
- Kobayashi, Toshio; Otomo, Shigekazu; Nakatani, Ryoichi; and Kumasaka, Noriyuki, 4,858,049, Cl. 360-126.000.

Kumasaka, Sadao; and Katsuki, Koretoshi, to Toyo Chemical Industry Co., Ltd. Manufacturing method of asphalt foam. 4,810,298, 3-7-89, Cl. 106-284.400.

Kumasaka, Sadao; Tada, Satomi; and Wakabayashi, Hirokazu, to Human Industry Corporation. Method of manufacturing a modified polyhydroxy compound. 4,814,515, 3-21-89, Cl. 568-619.000.

Kumasaka. Taiichi; Hirano, Yasuyuki; Ozaki, Katsuhiko; and Sawada, Koichi, to Hitachi Koki Company, Ltd. Guard-moving system in a cutting apparatus. 4,799,416, 1-24-89, Cl. 83-397.000.

Kumasaka, Takao; Mitsuya, Teruaki; Komatsu, Isamu; Fujiwara, Shigetaka; and Shimazaki, Yuzuru, to Hitachi, Ltd.; and Hitachi Koki Co., Ltd. Electrophotographic recording method and apparatus with non-contact development. 4,862,828, 9-5-89, Cl. 118-658.000.

Kumasaka, Takao: *See—*
- Mitsuya, Teruaki; Kumasaka, Takao; Nishino, Shinichi; Yamada, Masato; and Fujiwara, Shigetaka, 4,821,052, Cl. 355-14.0FU.

Kumashiro, Izumi: *See—*
- Toyoshima, Shigeshi; Seto, Yoshiko; Shinkai, Hisashi; Toi, Koji; and Kumashiro, Izumi, 4,816,484, Cl. 514-563.000.

Kumashiro, Kenji: *See—*
- Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.

Kumata, Katsuhiko; Endo, Isao; and Nishikimoto, Taro, to Tokyo Automatic Machinery Works, Ltd.; and Japan Tobacco, Inc. Bar-like article supplying apparatus in hopper. 4,821,746, 4-18-89, Cl. 131-282.000.

- Kumata, Kazuhiko: *See—*
  - Iizuka, Nobuyuki; Kumata, Kazuhiko; and Kuroda, Michio, 4,872,312, Cl. 60-760.000.
- Kumata, Mituyosi: *See—*
  - Yamamoto, Masahiro; Kumata, Mituyosi; Kozoe, Katutoshi; and Itoh, Tsutomu, 4,811,689, Cl. 118-624.000.
- Kumatani, Hiroshi: *See—*
  - Nakajima, Toshio; Kumatani, Hiroshi; Miyazaki, Masayuki; and Tezuka, Kazuo, 4,819,502, Cl. 74-572.000.
- Kumazaki, Eisuke: *See—*
  - Fujii, Shigemi; Kumazaki, Eisuke; and Shigematsu, Kazutoshi, 4,857,256, Cl. 264-310.000.
- Kumazaki, Hiroshi: *See—*
  - Ikeda, Go; Sasaki, Kiyoshi; Kumazaki, Hiroshi; Fujita, Shigeru; and Banzai, Hideo, 4,841,459, Cl. 364-557.000.
- Kumazawa, Hajime: *See—*
  - Harada, Yuichi; and Kumazawa, Hajime, 4,818,130, Cl. 400-697.000.
  - Sakai, Toshiyuki; Sasaki, Ryoichi; and Kumazawa, Hajime, 4,830,521, Cl. 400-63.000.
- Kumazawa, Hisao: *See—*
  - Saito, Shuichi; Kumazawa, Hisao; Tokiwa, Toru; and Yoshishige, Toshihisa, 4,805,500, Cl. 83-277.000.
- Kumazawa, Kimiko: *See—*
  - Noi, Keiichi; Takami, Akihiro; Ebine, Kazuhide; and Kumazawa, Kimiko, 4,839,097, Cl. 252-520.000.
- Kumazawa, Satoru; Ito, Atsushi; Sato, Nobuo; Saishoji, Toshihide; Hamada, Masahiro; Yamazaki, Shiro; and Enari, Hiroyuki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Novel derivative of azole, and agricultural and horticultural composition containing the same as an active incredient. 4,863,505, 9-5-89, Cl. 71-92.000.
- Kumazawa, Tetsuo; Shimaoka, Makoto; Fukuda, Kazuyuki; and Adachi, Eiichi, to Hitachi, Ltd. Opto-electronic device and method for producing the device. 4,880,290, 11-14-89, Cl. 350-96.200.
- Kumazawa, Toshiaki: *See—*
  - Kogure, Eriko; Nakamura, Makoto; and Kumazawa, Toshiaki, 4,855,229, Cl. 435-28.000.
- Kumazawa, Yoshiaki: *See—*
  - Nakai, Tetsuo; Yazu, Syuzi; Asai, Keizo; and Kumazawa, Yoshiaki, 4,828,611, Cl. 75-237.000.
  - Tsuji, Kazuwo; Sumiya, Hitoshi; Kumazawa, Yoshiaki; Urakawa, Nobuo; and Satoh, Keiichi, 4,859,531, Cl. 428-333.000.
- Kumazawa, Yoshihiko; and Matsuyama, Tsunekazu, to Shimadzu Corporation. Apparatus for stabilizing the amplification degree of photomultipliers. 4,857,722, 8-15-89, Cl. 250-207.000.
- Kumazawa, Yumiko: *See—*
  - Wakui, Tadahiro; Yoshino, Kenji; Komatsu, Masafumi; Kumazawa, Yumiko; Yamagishi, Touru; and Izumi, Mitsuhiko, 4,851,497, Cl. 528-176.000.
  - Yoshino, Kenji; Wakui, Tadahiro; Kumazawa, Yumiko; Izumi, Mitsuhiko; and Yamagishi, Touru, 4,839,128, Cl. 264-328.100.
- Kumbier, John F. Pallet cover. 4,871,063, 10-3-89, Cl. 206-386.000.
- Kume, Hidehiro; Matsumoto, Yoshiyuki; and Yoshitoshi, You, to Sony Corporation. Optical pick-up head without pick-up of stray light. 4,873,429, 10-10-89, Cl. 250-216.000.
- Kume, Hidehiro: *See—*
  - Yoshitoshi, You; Matsumoto, Yoshiyuki; and Kume, Hidehiro, 4,823,331, Cl. 369-45.000.
- Kume, Hirofumi: *See—*
  - Hattori, Takemi; and Kume, Hirofumi, 4,811,986, Cl. 297-284.000.
- Kume, Kiyotaka: *See—*
  - Takagi, Akira; Oyaizu, Hirotsugu; Takahashi, Nobuatsu; and Kume, Kiyotaka, 4,875,647, Cl. 248-74.300.
- Kume, Masafumi: *See—*
  - Masubuchi, Yoichi; Watanabe, Tadashi; Tominaga, Akira; Nagaoka, Haruo; Nakatani, Eisaku; and Kume, Masafumi, 4,888,244, Cl. 428-416.000.
  - Misawa, Masayuki; Ogasawara, Toshio; Sagane, Masahiko; Hirata, Yasuyuki; and Kume, Masafumi, 4,840,715, Cl. 204-181.100.
- Kume, Masahiro: *See—*
  - Saito, Hidetoshi; Kume, Masahiro; and Morita, Sakae, 4,804,911, Cl. 324-167.000.
  - Saito, Hidetoshi; Kume, Masahiro; and Mizuno, Kazuo, 4,847,557, Cl. 324-208.000.
- Kume, Satoru; Yoshida, Michiyasu; Kume, Tateo; Oshima, Hiroki; Kawagoe, Mitsuhiro; and Koga, Kazuo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Diesel particulate oxidizer regeneration system. 4,835,964, 6-6-89, Cl. 60-285.000.
- Kume, Tadaaki; Saijo, Yoshihiro; and Fujikawa, Yasuji, to Shikoku Kakoki Co., Ltd. Packaging machine. 4,838,847, 6-13-89, Cl. 493-133.000.
- Kume, Tadashi, to G. LeBlanc Corporation. Device for adjusting reed of clarinet or the like. 4,809,583, 3-7-89, Cl. 84-453.000.
- Kume, Takanori: *See—*
  - Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; Kume, Takanori; Negawa, Hideo; and Ikeda, Tsuneta, 4,826,729, Cl. 428-411.100.
  - Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Kume, Takanori, 4,829,096, Cl. 521-79.000.
- Kume, Tateo: *See—*
  - Kume, Satoru; Yoshida, Michiyasu; Kume, Tateo; Oshima, Hiroki; Kawagoe, Mitsuhiro; and Koga, Kazuo, 4,835,964, Cl. 60-285.000.
- Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; and Yagi, Shigeki, to Nihon Tokushu Noyaku Seizo K.K. Benzoxazines and herbicidal use. 4,798,620, 1-17-89, Cl. 71-95.000.
- Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, to Nihon Tokushu Noyaku Seizo K.K. Benzoxazines and use as herbicides. 4,804,394, 2-14-89, Cl. 71-92.000.
- Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, to Nihon Tokushu Noyaku Seizo K.K. 2,5-dihydropyrroles. 4,828,604, 5-9-89, Cl. 71-90.000.
- Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Hayakawa, Hidenori; and Yagi, Shigeki, to Nihon Tokushu Noyaku Seizo K.K. Novel N-benzothiazolyl-2,5-dihydropyrroles. 4,836,844, 6-6-89, Cl. 71-90.000.
- Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, to Nihon Tokushu Noyaku Seizo K.K. 2,5-dihydropyrroles. 4,845,230, 7-4-89, Cl. 548-139.000.
- Kume, Tsutomu: *See—*
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,812,773, Cl. 328-167.000.
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,841,461, Cl. 364-572.000.
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,859,881, Cl. 307-520.000.
- Kume, Yuichiro: *See—*
  - Doi, Kunio; and Kume, Yuichiro, 4,841,555, Cl. 378-99.000.
- Kumeda, Yasuo: *See—*
  - Gerhart, Paul B.; and Kumeda, Yasuo, 4,872,186, Cl. 375-117.000.
- Kumiai Chemical Industry Co., Ltd.: *See—*
  - Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, 4,814,338, Cl. 514-275.000.
  - Motojima, Kenji; Miyazawa, Takeshige; Toyokawa, Yasufumi; Matsuzawa, Masafumi; Hokari, Hiroshi; and Kusano, Shoji, 4,866,201, Cl. 560-126.000.
  - Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, 4,832,729, Cl. 71-92.000.
  - Takematsu, Tetsuo; Konnai, Makoto; Shimizu, Kuniaki; Urushibata, Ikumi; and Kajiwara, Ikuo, 4,824,477, Cl. 71-103.000.
  - Tokunaga, Yukio; Kojima, Yoshiyuki; Maeno, Shinichiro; Sawai, Nobumitsu; and Saso, Yasuo, 4,866,064, Cl. 514-258.000.
  - Wada, Nobuhide; Saito, Yoshihiro; Kusano, Shoji; Toyokawa, Yasufumi; Miyazawa, Takeshige; and Takahashi, Satoru, 4,889,552, Cl. 71-92.000.
  - Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,816,063, Cl. 71-90.000.
  - Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,885,023, Cl. 71-90.000.
- Kumisawa, Yuko: *See—*
  - Saitoh, Masakatsu; Kumisawa, Yuko; Yamada, Jun; and Satoh, Kohzoh, 4,832,457, Cl. 350-334.000.
- Kumm, Emerson L., to Kumm Industries, Inc. Continuously variable transmission. 4,810,234, 3-7-89, Cl. 474-49.000.
- Kumm, Emerson L., to Kumm Industries, Inc. Flat belt continuously variable transmission with idler pulley torque transfer increasing component. 4,810,236, 3-7-89, Cl. 474-101.000.
- Kumm, Emerson L., to Kumm Industries, Inc. Flat belt continuously variable transmission with geared speed ratio control system. 4,824,419, 4-25-89, Cl. 474-49.000.
- Kumm, Emerson L., to Kumm Industries, Inc. Variable speed engine accessory flat belt drive system. 4,854,921, 8-8-89, Cl. 474-70.000.
- Kumm Industries, Inc.: *See—*
  - Kumm, Emerson L., 4,810,234, Cl. 474-49.000.
  - Kumm, Emerson L., 4,810,236, Cl. 474-101.000.
  - Kumm, Emerson L., 4,824,419, Cl. 474-49.000.
  - Kumm, Emerson L., 4,854,921, Cl. 474-70.000.
- Kummeler, Ferdinand: *See—*
  - Kolbe, Joachim; Kummeler, Ferdinand; Miessen, Ralf; and Klee, Rudolf-Jurgen, 4,863,478, Cl. 8-115.600.
- Kummer, Christian F.: *See—*
  - Leiber, Hans-Jurgen; Meyer, Jean-Philippe; and Kummer, Christian F., 4,887,500, Cl. 82-12.000.
- Kummer, Fernand. Escapement mechanism for upright piano. 4,840,101, 6-20-89, Cl. 84-247.000.
- Kummer Freres SA Fabrique de Machines: *See—*
  - Leiber, Hans-Jurgen; Meyer, Jean-Philippe, and Kummer, Christian F., 4,887,500, Cl. 82-12.000.
- Kummer, George: *See—*
  - Kiko, Frederick J.; and Kummer, George, 4,852,160, Cl. 379-405.000.
- Kummer, Karl T., to Honeywell Inc. Apparatus and method for detection of an open thermocouple in a process control network. 4,841,286, 6-20-89, Cl. 340-653.000.
- Kummer, Kenneth L. Method and apparatus for grinding multiple workpieces. 4,848,039, 7-18-89, Cl. 51-281.00R.
- Kummer, Martin E.; and Flotow, Richard, to Dana Corporation. Spring clutch assembly. 4,863,004, 9-5-89, Cl. 192-70.180.
- Kummer, Rudolf; Franz, Dieter; and Rath, Hans P., to BASF Aktiengesellschaft. Polybutyl-and polyisobutylamines, their preparation, and fuel compositions containing these. 4,832,702, 5-23-89, Cl. 44-62.000.
- Kummer, Rudolf: *See—*
  - Franz, Dieter; Kummer, Rudolf; Mach, Helmut; and Rath, Hans P., 4,859,210, Cl. 44-53.000.
  - Schneider, Heinz-Walter; Kummer, Rudolf; and Taglieber, Volker, 4,801,738, Cl. 560-177.000.
- Kummerfeldt, Georg; May, Franz; and Wolf, Winfrid, to AEG Aktiengesellschaft. Method for motion-compensated frame-to-frame prediction coding. 4,816,906, 3-28-89, Cl. 358-136.000.

- Kummerfeldt, Georg: *See—*
  - Schwerzel, Wolfgang; and Kummerfeldt, Georg, 4,800,425, Cl. 358-136.000.
- Kummerl, Klaus, to Ing. Hermann Kummerl, Laborgeratebau, Inh. Ing. Klaus Kummerl. Photographic developing machine. 4,888,608, 12-19-89, Cl. 354-299.000.
- Kummerlen, Donald R. Clothes hanging stand. 4,886,172, 12-12-89, Cl. 211-87.000.
- Kummli, Paul: *See—*
  - Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.
- Kummunsalo, Pentti. Arrangement for umbrella. 4,856,546, 8-15-89, Cl. 135-20.00R.
- Kumobayashi, Hidenori: *See—*
  - Noyori, Ryoji; Kitamura, Masato; Takaya, Hidemasa; Kumobayashi, Hidenori; and Akutagawa, Susumu, 4,851,537, Cl. 546-146.000.
- Kumoi, Sadakatsu; Mitarai, Keiji; and Tsutsumi, Yukihiro, to Toyo Soda Manufacturing Co., Ltd. Process for producing polyamines. 4,845,297, 7-4-89, Cl. 564-487.000.
- Kumon, Toshihiko; and Nishioka, Nobuaki, to Minolta Camera Kabushiki Kaisha. Electric apparatus having a start-up control function. 4,890,212, 12-26-89, Cl. 363-49.000.
- Kumonaka, Takahiro: *See—*
  - Takai, Makoto; Omori, Kazuhiro; Kumonaka, Takahiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,859,673, Cl. 514-255.000.
- Kump, Danny J.: *See—*
  - Schott, David B.; Kump, Danny J.; and Conway, Gerald A., 4,860,905, Cl. 211-59.100.
- Kump, Wilhelm; and Traxler, Peter, to Ciba-Geigy Corporation. Biphenylyl compounds. 4,876,258, 10-24-89, Cl. 514-254.000.
- Kump, William H.; and Sahli, Richard M., to GNB Incorporated. Cover assemblies for electric storage batteries and batteries utilizing such cover assemblies. 4,851,305, 7-25-89, Cl. 429-84.000.
- Kumpa, V. Erik: *See—*
  - Leppanen, Seppo I.; Kumpa, V. Erik; and McDiarmid, Richard S., 4,833,941, Cl. 74-625.000.
- Kumpinsky, Enio: *See—*
  - Corbin, David R.; Kumpinsky, Enio; and Vidal, Antonio, 4,835,319, Cl. 568-322.000.
  - Ford, Thomas M.; Kumpinsky, Enio; and Vidal, Antonio, 4,827,041, Cl. 568-322.000.
- Kumura, Haruyoshi, to Nissan Motor Co., Ltd. Start up control for transmission. 4,803,899, 2-14-89, Cl. 74-866.000.
- Kumura, Haruyoshi, to Nissan Motor Co., Ltd. Ratio control for continuously variable transmission for automotive vehicle. 4,823,267, 4-18-89, Cl. 364-424.100.
- Kumura, Haruyoshi, to Nissan Motor Co., Ltd. Reduction ratio control for continuously variable transmission. 4,836,054, 6-6-89, Cl. 74-866.000.
- Kumura, Haruyoshi, to Nissan Motor Co., Ltd. Ratio control for continuously variable transmission. 4,846,019, 7-11-89, Cl. 74-864.000.
- Kumura, Haruyoshi, to Nissan Motor Co., Ltd. Control for continuously variable transmission. 4,853,858, 8-1-89, Cl. 364-424.100.
- Kumura, Haruyoshi; and Suzuki, Yutaka. Control for continuously variable transmission for quick downshifting to establish engine brake running. 4,862,771, 9-5-89, Cl. 74-866.000.
- Kumura, Haruyoshi: *See—*
  - Nakano, Masaki; and Kumura, Haruyoshi, 4,829,433, Cl. 364-424.100.
  - Oshiage, Katsunori; and Kumura, Haruyoshi, 4,853,857, Cl. 364-424.100.
  - Yamamuro, Sigeaki; and Kumura, Haruyoshi, 4,819,514, Cl. 74-868.000.
- Kumura, Kenji: *See—*
  - Hibino, Hiroki; Nishikori, Toshiaki; and Kumura, Kenji, 4,860,094, Cl. 358-98.000.
- Kumura, Tatsuo: *See—*
  - Kubota, Makoto; Kumura, Tatsuo; Saito, Junichi; Kobayashi, Tomio; and Sato, Heikichi, 4,819,113, Cl. 360-126.000.
- Kun, Andrew I., to Computer X, Inc. Virtual single machine with message-like hardware interrupts and processor exceptions. 4,835,685, 5-30-89, Cl. 364-200.000.
- Kun-Jung, Lee. Presser foot with fabric guide and rolling element. 4,848,257, 7-18-89, Cl. 112-235.000.
- Kun S.A.: *See—*
  - Oberle, Edmond M.; and Klein, Jean M., 4,848,482, Cl. 172-54.500.
- Kun, Zoltan K.: *See—*
  - Kasner, William H.; Kun, Zoltan K.; Leksell, David; and Toth, Vincent A., 4,885,448, Cl. 219-121.690.
- Kuna, Wayne A., to Marvin Glass & Associates. Skill action game with a tiltable housing and an alarm producing disturbance sensor. 4,874,166, 10-17-89, Cl. 273-1.0GC.
- Kuna, Wayne A.: *See—*
  - Rosenwinkel, Donald A.; Zaruba, John V.; and Kuna, Wayne A., 4,863,172, Cl. 273-153.00S.
  - Yoe, Craig S.; Gibson, Michael R.; O'Patka, Dennis J.; and Kuna, Wayne A., 4,798,455, Cl. 351-51.000.
- Kunbargi, Hassan: *See—*
  - Rice, Edward K.; and Kunbargi, Hassan, 4,866,992, Cl. 73-856.000.
- Kunce, Bob C.: *See—*
  - McClure, William C.; and Kunce, Bob C., 4,807,279, Cl. 379-211.000.
- Kunczynski, Alexander J.: *See—*
  - Kunczynski, Jan K., 4,848,241, Cl. 104-173.100.
  - Kunczynski, Jan K., 4,860,664, Cl. 104-204.000.
  - Kunczynski, Jan K., 4,864,937, Cl. 104-173.100.
  - Kunczynski. Jan K., 4,867,069, Cl. 104-168.000.
- Kunczynski, Jan K., to Kunczynski, Zygmunt A.; and Kunczynski, Alexander J. Aerial tramway system and method having parallel haul ropes. 4,848,241, 7-18-89, Cl. 104-173.100.
- Kunczynski, Jan K., to Kunczynski, Zygmunt A.; and Kunczynski, Alexander J. Haul rope grip assembly for aerial tramway with elastic block jaw actuating means. 4,860,664, 8-29-89, Cl. 104-204.000.
- Kunczynski, Jan K., to Kunczynski, Zygmunt Alexander; and Kunczynski, Alexander J. Aerial tramway having haul rope in vertical plane and carrier unit with rope engaging support sheaves which disengage haul at towers. 4,864,937, 9-12-89, Cl. 104-173.100.
- Kunczynski, Jan K., to Kunczynski, Zygmunt A.; and Kunczynski, Alexander J. Transportation system drive-shoe assembly and method. 4,867,069, 9-19-89, Cl. 104-168.000.
- Kunczynski, Zygmunt A.: *See—*
  - Kunczynski, Jan K., 4,848,241, Cl. 104-173.100.
  - Kunczynski, Jan K., 4,860,664, Cl. 104-204.000.
  - Kunczynski, Jan K., 4,867,069, Cl. 104-168.000.
- Kunczynski, Zygmunt Alexander: *See—*
  - Kunczynski, Jan K., 4,864,937, Cl. 104-173.100.
- Kunde, Joyce M.: *See—*
  - Johnson, Bryce V.; and Kunde, Joyce M., 4,863,983, Cl. 524-140.000.
- Kundson, Kenneth C., Jr. Intercourse aiding apparatus. 4,825,855, 5-2-89, Cl. 128-79.000.
- Kunert, Heinz, to Saint-Gobain Vitrage. Method and apparatus for installing automobile glazing. 4,876,132, 10-24-89, Cl. 428-43.000.
- Kunert, Heinz: *See—*
  - Ohlenforst, Hans; and Kunert, Heinz, 4,888,072, Cl. 156-108.000.
- Kunesh, John G.; and Zuiderweg, Frederik J., to Fractionation Research, Inc. Apparatus for redistribution of vapor and liquid in a packed column. 4,820,455, 4-11-89, Cl. 261-96.000.
- Kung, Hsiang-Tsung; Hsu, Feng-Hsiung; Sussman, Alan L.; and Nishizawa, Teiji, to Carnegie-Mellon University. Programmable interconnection chip for computer system functional modules. 4,807,183, 2-21-89, Cl. 364-900.000.
- Kung, Hsing: *See—*
  - Scifres, Donald R.; Kung, Hsing; Cross, Peter; Burnham, Robert D.; and Streifer, William, 4,803,691, Cl. 372-150.000.
- Kung, Jen K.: *See—*
  - Wong, Wah S.; Wen, Cheng P.; and Kung, Jen K., 4,855,796, Cl. 357-15.000.
- Kung, Joseph T.: *See—*
  - Lee, Hae-Seung; Howe, Roger T.; and Kung, Joseph T., 4,860,232, Cl. 364-571.040.
- Kung, Patrick C.; and Goldstein, Gideon, to Ortho Pharmaceutical Corporation. Compositions and methods using a monoclonal antibody to a human T cell antigen. 4,798,806, 1-17-89, Cl. 436-548.000.
- Kung, Patrick C.; and Goldstein, Gideon, to Ortho Pharmaceutical Corporation. Hybrid cell line for producing monoclonal antibody to human cytotoxic and suppressor T cells, antibody, and methods. 4,803,262, 2-7-89, Cl. 530-387.000.
- Kung, Patrick C.; and Goldstein, Gideon, to Ortho Pharmaceutical Corporation. Hybrid cell line for producing monoclonal antibody to a human prothymocyte antigen, antibody, and methods. 4,806,349, 2-21-89, Cl. 424-85.800.
- Kung, Patrick C.; and Goldstein, Gideon, to Ortho Pharmaceutical Corporation. Monoclonal antibody to a human thymocyte antigen. 4,806,629, 2-21-89, Cl. 530-387.000.
- Kung, Patrick C.; Brown, Michael C.; and Ip, Stephen H., to T Cell Sciences, Inc. Assay systems for detecting cell-free T cell antigen receptor related molecules and the clinical utilities of the assays. 4,845,026, 7-4-89, Cl. 435-5.000.
- Kung, Patrick C. S.; and Goldstein, Gideon, to Ortho Pharmaceutical Corporation. Hybrid cell line for producing monoclonal antibody to a human thymocyte antigen, antibody, and methods. 4,828,995, 5-9-89, Cl. 435-172.200.
- Kung, Robert T. V., to Abiomed, Inc. Periodontal probe. 4,832,599, 5-23-89, Cl. 433-32.000.
- Kung, Robert T. V.; and Singh, Param I., to Abiomed, Inc. Artificial heart. 4,888,011, 12-19-89, Cl. 623-3.000.
- Kung, Teh-Ming; Vreeland, William B.; and Young, Ralph H., to Eastman Kodak Company. Electrophotographic elements containing certain naphthoquinone derivatives as electron-transport agents. 4,869,984, 9-26-89, Cl. 430-58.000.
- Kung, Teh-Ming; Vreeland, William B.; and Young, Ralph H., to Eastman Kodak Company. Electrophotographic elements containing certain naphthoquinone derivatives as electron-transport agents. 4,869,985, 9-26-89, Cl. 430-58.000.
- Kung, Yunn-Chiang: *See—*
  - Shyu, Jia-Ming; Chen, Inn-Ming; Lee, Tian-Quey; and Kung, Yunn-Chiang, 4,878,248, Cl. 382-9.000.
- Kuni, Asahiro: *See—*
  - Fushimi, Satoru; Nakagawa, Yasuo; Kuni, Asahiro; Kubota, Hitoshi; and Koshishiba, Hiroya, 4,814,615, Cl. 250-311.000.
- Kuni, Daniel R.: *See—*
  - Bullock, James K.; Mann, L. Arnold; and Kuni, Daniel R., 4,796,615, Cl. 128-202.270.
- Kunichika, Kenji; Matsumoto, Hiroshi; and Shingu, Akira, to Fuji Photo Film Co., Ltd.; and Oji-National Co., Ltd. Desensitizing gum for lithographic printing plate comprising a polybasic and monoester of polysaccharide. 4,840,875, 6-20-89, Cl. 430-309.000.

Kunichika, Kenji: *See—*

Ohba, Hisao; Takekoshi, Tomoaki; and Kunichika, Kenji, 4,882,246, Cl. 430-30.000.

Takekoshi, Tomoaki; Ohba, Hisao; and Kunichika, Kenji, 4,841,320, Cl. 354-299.000.

Toyama, Tadao; Ohba, Hisao; and Kunichika, Kenji, 4,880,724, Cl. 430-302.000.

Kunick, Werner: *See—*

Althoff, Karl-Heinz; Kunick, Werner; Munstermann, Manfred; Voss, Uwe; and Glanz, Werner, 4,854,805, Cl. 414-495.000.

Kunida, Shinobu: *See—*

Kano, Nobuhiko; Aoyama, Akira; and Kunida, Shinobu, 4,800,112, Cl. 428-163.000.

Kunieda, Toshinari: *See—*

Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.

Kunig, Horst E. Non-invasive and continuous cardiac performance monitoring device. 4,854,327, 8-8-89, Cl. 128-713.000.

Kunihara, Takao: *See—*

Hamatsu, Masahiro; and Kunihara, Takao, 4,862,479, Cl. 375-1.000.

Kuniharu, Yasutaka, to Kabushiki Kaisha Kenwood. Magnetic recording apparatus. 4,829,392, 5-9-89, Cl. 360-66.000.

Kunihiro, Koki: *See—*

Funaki, Masaaki; Kunihiro, Koki; and Ichinomiya, Yutaka, 4,874,654, Cl. 428-192.000.

Kunihiro, Takushi: *See—*

Higashiyama, Mitsuo; Iwahashi, Naoto; Kunihiro, Takushi; and Nakai, Jun, 4,837,802, Cl. 379-62.000.

Kunii, Hideo: *See—*

Matsumoto, Katsumi; Kunii, Hideo; Yamamoto, Hideki; and Mori, Toshiyasu, 4,847,696, Cl. 358-335.000.

Kunii, Koushiro: *See—*

Ohta, Hironori; Kawaguchi, Toshiyasu; Mukaiyama, Takashi; Matsuzaki, Katsuhiko; Ebisawa, Junichi; Taneda, Naoki; Arai, Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kunii, Koushiro, 4,838,914, Cl. 65-2.000.

Kunii, Noboru: *See—*

Karibe, Tamiharu; and Kunii, Noboru, 4,854,079, Cl. 49-479.000.

Kunii, Nobuaki: *See—*

Saito, Joichi; Wada, Hiroshi; Shibata, Shigehito; Watabe, Takashi; Tanabe, Kiyoshi; and Kunii, Nobuaki, 4,808,636, Cl. 521-163.000.

Kunii, Toshinobu: *See—*

Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.

Kunimitsu, Michio; and Tomita, Hiroshi, to Sanyo Electric Co., Ltd. Bidirectional ink sheet driving mechanism in a thermal transfer printer. 4,812,063, 3-14-89, Cl. 400-234.000.

Kunimitsu, Michio; Tomita, Hiroshi; Akao, Akio; and Kano, Hiroshi, to Sanyo Electric Co., Ltd. Thermal transfer printer head position homing mechanism. 4,838,713, 6-13-89, Cl. 400-120.000.

Kunimori Kagaku Co., Ltd.: *See—*

Inayama, Yusaku, 4,863,056, Cl. 220-6.000.

Kunimoto, Akihiro; Takabayashi, Seiichiro; and Matsui, Yuji, to Ube Industries, Ltd. Process for the preparation of polyimide film. 4,797,307, 1-10-89, Cl. 427-386.000.

Kunimoto, Akihiro; Takabayashi, Seiichirou; Nakamura, Morio; and Maeda, Tatuaki, to Ube Industries Ltd. Shaped electroconductive aromatic imide polymer article and process for producing. 4,810,419, 3-7-89, Cl. 252-511.000.

Kunimoto, Etsuo: *See—*

Tateishi, Mataji; Kunimoto, Etsuo; Nakagawa, Hiroshi; and Takaishi, Tatsuo, 4,864,990, Cl. 123-304.000.

Kunimoto, Toshifumi, to Nippon Gakki Seizo Kabushiki Kaisha. Tone signal generating apparatus having a low-pass filter for interpolating waveforms. 4,815,354, 3-28-89, Cl. 84-1.190.

Kunimoto, Toshifumi, to Yamaha Corporation. Multiplier circuit. 4,831,576, 5-16-89, Cl. 364-754.000.

Kunimoto, Youichi: *See—*

Yokoyama, Yoichi; Hamaguchi, Hiroaki; Kondo, Kideya; Kunimoto, Youichi; and Yano, Manabu, 4,855,701, Cl. 335-230.000.

Kunimoto, Yuji, to House Food Industrial Company Limited. Food material-container combination. 4,818,545, 4-4-89, Cl. 426-107.000.

Kunimune, Kouichi; Kutsuzawa, Yoshiya; Egawa, Hiromi; and Konotsune, Shiro, to Chisso Corporation. Process for producing highly adherent silicon-containing polyamic acid and corsslinked silicon-containing polyimide. 4,818,806, 4-4-89, Cl. 528-26.000.

Kunimune, Kouichi: *See—*

Murata, Shizuo; Emoto, Naoyoshi; Furukawa, Kenji; Kunimune, Kouichi; Kobayashi, Ryuji; and Tanaka, Masami, 4,864,008, Cl. 528-125.000.

Kuninobu, Shigeo: *See—*

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,864,528, Cl. 364-754.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,655, Cl. 364-761.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,657, Cl. 364-768.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; and Takagi, Naofumi, 4,868,777, Cl. 364-754.000.

Nishiyama, Tamotsu; and Kuninobu, Shigeo, 4,873,660, Cl. 364-768.000.

Nishiyama, Tamotsu; and Kuninobu, Shigeo, 4,878,192, Cl. 364-768.000.

Kunisaki, Toshiharu; and Higuchi, Masamori, to Fuji Xerox Co., Ltd. Composite member manufacturing method. 4,860,425, 8-29-89, Cl. 29-527.400.

Kunisawa, Teturo: *See—*

Kohtoku, Yasuhiko; Kunisawa, Teturo; and Takahashi, Takuji, 4,812,298, Cl. 423-327.000.

Kunishige, Keiji; and Tsuchida, Hirofumi, to Olympus Optical Co., Ltd. Range-finding optical system. 4,828,383, 5-9-89, Cl. 356-1.000.

Kunishige, Tadao: *See—*

Nakata, Yoshihiro; and Kunishige, Tadao, 4,804,710, Cl. 525-111.000.

Kunishige, Tuneo: *See—*

Takemoto, Fumio; Kunishige, Tuneo; and Ochi, Mitsutoshi, 4,812,361, Cl. 428-397.000.

Kunishima, Toshiaki, to Canon Kabushiki Kaisha. Cutter. 4,841,642, 6-27-89, Cl. 30-303.000.

Kunita, Masao; Koizumi, Michio; and Ohsawa, Seiichi, to Citizen Watch Co., Ltd. Dot line printer with individually replaceable printing head. 4,852,480, 8-1-89, Cl. 101-93.050.

Kunita, Masao: *See—*

Moriya, Takashi; Kunita, Masao; and Endo, Toshihiro, 4,795,283, Cl. 400-124.000.

Kunitoki, Tadayoshi; and Itoh, Akihiko, to Fujitsu Limited. Comparator having an offset voltage cancellation circuit. 4,827,161, 5-2-89, Cl. 307-491.000.

Kunitomi, Tetsuo: *See—*

Takano, Hidekazu; Kunitomi, Tetsuo; Okada, Shigehiro; Awaji, Toshio; Shindo, Katsuaki; and Atobe, Daisuke, 4,866,134, Cl. 525-109.000.

Kunitomo, Kouichi; and Hanabusa, Mikio, to Matsushita Electric Industrial Co., Ltd. Modulation sensitivity correction circuit for voltage-controlled oscillator. 4,816,782, 3-28-89, Cl. 332-19.000.

Kunitomo, Tetsunosuke: *See—*

Kataoka, Hiroshi; Kunitomo, Tetsunosuke; and Kobayashi, Takuichi, 4,834,882, Cl. 210-321.600.

Kunitsugu, Michimasa, to NEC Corporation. Optical alignment system. 4,867,560, 9-19-89, Cl. 356-152.000.

Kunitz, Friedrich-Wilhelm; Ohlschlager, Hans; Odenwalder, Heinrich; and Hubner, Dirk, to Agfa-Gevaert Aktiengesellschaft. Color photographic recording material containing a yellow DIR coupler. 4,833,070, 5-23-89, Cl. 430-505.000.

Kunitz, Friedrich-Wilhelm: *See—*

Ohlschlager, Hans; Renner, Gunter; Kunitz, Friedrich-Wilhelm; Odenwalder, Heinrich; and Hubner, Dirk, 4,840,880, Cl. 430-505.000.

Kuniya, Jiro: *See—*

Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Junjiro, 4,810,461, Cl. 376-457.000.

Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.

Kuniya, Keiichi: *See—*

Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839,949, Cl. 29-132.000.

Kunka, Blair S.: *See—*

Pucci, Michael J.; and Kunka, Blair S., 4,855,149, Cl. 426-48.000.

Pucci, Michael J.; and Kunka, Blair S., 4,877,634, Cl. 426-531.000.

Vandenbergh, Peter A.; and Kunka, Blair S., 4,853,334, Cl. 435-262.000.

Vandenbergh, Peter A.; and Kunka, Blair S., 4,877,615, Cl. 424-115.000.

Kunkel, Bernd; Keller, Karl; and Lutz, Reinhold, to Messerschmitt-Bolkow-Blohm GmbH. Optoelectronic accelerometer. 4,819,486, 4-11-89, Cl. 73-382.00R.

Kunkel, Ernst; and Rutz, Wolfhard, to Pelikan Aktiengesellschaft. Typewriter ribbon having a thin support and a transferable mass, for typing on varied surfaces. 4,871,620, 10-3-89, Cl. 428-484.000.

Kunkel, Heinrich: *See—*

Olschewski, Armin; Schurger, Rainer; Stolz, Robert; Neder, Gunter; Treibel, Walter; and Kunkel, Heinrich, 4,804,276, Cl. 384-526.000.

Kunkel, Larry, to Brown & Williamson Tobacco Corporation. Nested cigarette package spacer. 4,815,592, 3-28-89, Cl. 206-264.000.

Kunkel, Robert W.: *See—*

Stautzenberger, A. Lee; and Kunkel, Robert W., 4,803,295, Cl. 560-78.000.

Kunkel, Thomas A., to United States of America, Health and Human Services. Process for site specific mutagenesis without phenotypic selection. 4,873,192, 10-10-89, Cl. 435-172.300.

Kunkel, Willi: *See—*

Koschlig, Hans-Joachim; Hartmann, Walter; Heumuller, Martin; and Kunkel, Willi, 4,833,115, Cl. 502-439.000.

Kunkle, Gerald E.; and Pecoraro, George A., to PPG Industries, Inc. Pretreatment of fused cast refractories. 4,838,919, 6-13-89, Cl. 65-18.100.

Kunkle, Jerry A. Cart and method of use. 4,861,057, 8-29-89, Cl. 280-47.131.

Kunkle, Richard I.: *See—*

Bowers, Paul K.; Kennedy, Richard A.; Murray, Timothy G.; and Kunkle, Richard I., 4,813,862, Cl. 425-87.000.

Kunne, Wolfgang; and Lund, Bernd, to Stielow GmbH. Table-top mail extraction apparatus having separate, connectable power unit. 4,866,908, 9-19-89, Cl. 53-386.000.

Kunnemeyer, Otto. Process for the manufacture of wood fiber boards. 4,883,546, 11-28-89, Cl. 156-62.200.

Kuno, Akira: *See—*

Kawai, Naoki; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; Ina, Toshikazu; and Kuno, Akira, 4,822,093, Cl. 296-65.100.

Matsui, Kazuma; Hattori, Yoshiyuki; Imani, Yuuichi; Kuno, Akira; and Nomura, Yoshihisa, 4,800,498, Cl. 364-426.020.

Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, 4,812,838, Cl. 340-825.060.

Kuno, Atsushi: *See—*

Takasugi, Hisashi; Kuno, Atsushi; Sakai, Hiroyoshi; Sugiyama, Yoshie; and Takaya, Takao, 4,831,030, Cl. 514-252.000.

Takaya, Takao; Takasugi, Hisashi; Esumi, Kimio; Kuno, Atsushi; Sakai, Hiroyoshi; Maeda, Kazuhiro; and Sakamoto, Yoshie, 4,857,527, Cl. 514-237.200.

Kuno, H. John: *See—*

Trinh, Trang N.; and Kuno, H. John, 4,833,482, Cl. 343-700.0MS.

Kuno, Hideyuki: *See—*

Matsushita, Hajime; Shibagaki, Makoto; Takahashi, Kyoko; and Kuno, Hideyuki, 4,841,075, Cl. 549-341.000.

Kuno, Hiroaki: *See—*

Inunaga, Yasushi; Kuno, Hiroaki; and Sado, Shintaro, 4,889,471, Cl. 417-32.000.

Murayama, Akira; Uchikawa, Naoshi; Kuroshima, Ryoichi; Kuno, Hiroaki; Arata, Tetsuya; and Shiibayashi, Masao, 4,813,195, Cl. 418-15.000.

Kuno, Hiroyuki; and Iino, Yujirou, to Kabushiki Kaisha Toshiba. Flexible printed cable connected to an inner most end of motor coil. 4,835,429, 5-30-89, Cl. 310-71.000.

Kuno, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Coil device. 4,841,269, 6-20-89, Cl. 335-299.000.

Kuno, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Process for making a coil. 4,848,135, 7-18-89, Cl. 72-371.000.

Kuno, Masashi; and Hirose, Akira, to Ricoh Company, Ltd. Method and apparatus for controlling copying operation. 4,847,656, 7-11-89, Cl. 355-202.000.

Kuno, Michiaki: *See—*

Oba, Toshiro; Kuno, Michiaki; Akizuki, Noboru; and Inamori, Yoshimitsu, 4,866,650, Cl. 364-736.000.

Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, to Canon Kabushiki Kaisha. Optical modulation apparatus using ferroelectric liquid crystal and low-resistance portions of column electrodes. 4,824,218, 4-25-89, Cl. 350-350.00S.

Kuno, Mitsutoshi: *See—*

Enari, Masahiko; Yamashita, Shinichi; Omata, Satoshi; Kuno, Mitsutoshi; Inoue, Hiroshi; and Osada, Yoshiyuki, 4,816,819, Cl. 340-811.000.

Kanno, Hideo; Yamashita, Shinichi; Omata, Satoshi; Enari, Masahiko; Kuno, Mitsutoshi; and Osada, Yoshiyuki, 4,881,066, Cl. 340-719.000.

Mouri, Akihiro; Kitayama, Hiroyuki; Kaneko, Shuzo; Takahashi, Tohru; Enari, Masahiko; Kuno, Mitsutoshi; and Toyono, Tsutomu, 4,818,078, Cl. 350-350.00S.

Shindo, Hitoshi; Enari, Masahiko; and Kuno, Mitsutoshi, 4,802,744, Cl. 350-339.00F.

Yamashita, Shinichi; Enari, Masahiko; Kuno, Mitsutoshi; Mizutome, Atsushi; and Kanno, Hideo, 4,804,951, Cl. 340-719.000.

Kuno, Nobuyoshi: *See—*

Inukai, Shinji; Kuno, Nobuyoshi; Takanishi, Hiroyoshi; and Sasaki, Hiroki, 4,799,135, Cl. 362-296.000.

Kuno, Sachiko: *See—*

Hayaishi, Osamu; Ueno, Ryuji; and Kuno, Sachiko, 4,880,742, Cl. 435-238.000.

Ueno, Ryuzo; Ueno, Ryuji; Kuno, Sachiko; and Tabata, Akihiko, 4,840,941, Cl. 514-59.000.

Kuno, Shozo, to Aisin Seiki Kabushiki Kaisha. Clutch cover and release bearing assembly for clutch. 4,830,162, 5-16-89, Cl. 192-98.000.

Kuno, Takenori: *See—*

Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.

Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, to Kabushiki Kaisha Kyoritsu. Air-conditioning apparatus. 4,876,952, 10-31-89, Cl. 98-121.200.

Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, to Kabushiki Kaisha Kyoritsu. Air-conditioning apparatus. 4,887,522, 12-19-89, Cl. 98-40.200.

Kuno, Toshitaka: *See—*

Ishiguro, Yasuo; Kato, Yoshito; Takeda, Fumiaki; Koide, Mitsuo; Kuno, Toshitaka; and Nakano, Masaru, 4,831,316, Cl. 318-568.130.

Kuno, Tsutomu: *See—*

Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.

Kuno, Yukio: *See—*

Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,876,952, Cl. 98-121.200.

Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,887,522, Cl. 98-40.200.

Kunold, Ingo: *See—*

Meerkotter, Klaus; and Kunold, Ingo, 4,827,443, Cl. 364-724.140.

Kunos, Karoly: *See—*

Szekely, Lajos; Hamori, Attila; Vida, Miklos; and Kunos, Karoly, 4,832,078, Cl. 137-553.000.

Kunotori, Tsuneo: *See—*

Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuichi, 4,800,839, Cl. 118-691.000.

Kunreuther, Steven J. Needle assembly. 4,844,318, 7-4-89, Cl. 229-67.000.

Kunreuther, Steven J. Automatic apparatus for attaching tags to labels previously affixed to garments. 4,889,272, 12-26-89, Cl. 227-4.000.

Kunschke, Eldor W.; and Nernberger, Lee. Beach combing apparatus. 4,879,871, 11-14-89, Cl. 56-239.000.

Kunsman, Donald R., to Victaulic Company of America. Abrasive grip pipe coupling. 4,886,304, 12-12-89, Cl. 285-104.000.

Kunst, Gunther: *See—*

Langner, Bernd; Stantke, Peter; Reinking, Ernst-Friedrich; and Kunst, Gunther, 4,834,842, Cl. 204-1.00T.

Kunstadter, Maria A. Closure device for nursing bra. 4,878,879, 11-7-89, Cl. 450-36.000.

Kunstmann, Uwe, to Carl Schenck AG. Conveyor system. 4,852,718, 8-1-89, Cl. 198-465.300.

Kunstmann, Uwe: *See—*

Henschel, Walter; Melzer, Gerhard; and Kunstmann, Uwe, 4,865,798, Cl. 264-518.000.

Kunstoffe, Erich Janisch: *See—*

Janisch, Erich R., 4,878,969, Cl. 156-49.000.

Kuntz, David H.; and Muller, Louis F. Light-weight disposable protective face shield. 4,825,878, 5-2-89, Cl. 128-857.000.

Kuntz, David H.; and Muller, Louis F., to Davstar Industries, Inc. Integral specimen collection tube and microscope slide device. 4,865,812, 9-12-89, Cl. 422-99.000.

Kuntz, David H.; and Muller, Louis F. Light-weight disposable protective face shield. 4,872,465, 10-10-89, Cl. 128-857.000.

Kuntz, Pierre: *See—*

Carton, Georges; Kuntz, Pierre; and Drutel, Yves, 4,847,767, Cl. 364-424.100.

Kuntze, Rupert. Line bail, as well as the associated fishing reel. 4,884,761, 12-5-89, Cl. 242-235.000.

Kuntzmann, Jean C.; and Santonja, Noel, to Thomson-CSF. Wide band device for coupling between the delay line of a travelling wave tube and the external circuit transmitting the energy of the tube. 4,871,950, 10-3-89, Cl. 315-393.000.

Kunugi, Yoshifumi: *See—*

Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.

Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasaki, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; and Sato, Takeshi, to Pioneer Electronic Corporation. Sound field correction system. 4,868,878, 9-19-89, Cl. 381-1.000.

Kunuki, Akikazu: *See—*

Fujita, Motoyoshi; Kunuki, Akikazu; Uemura, Noboru; Kotani, Tsutomu; Shunpei, Saeki; and Kawano, Toshiharu, 4,849,843, Cl. 360-128.000.

Kunz, Alfred; List, Heinz; and List, Jorg, to List AG. Kneader-mixer. 4,826,324, 5-2-89, Cl. 366-99.000.

Kunz, Alfred: *See—*

Kliem, Erhard; Weber, Guenter; and Kunz, Alfred, 4,876,079, Cl. 423-578.00R.

Kunz, Anton, to Balzers Aktiengesellschaft. Device for transmission of electrical currents and rotating machine parts. 4,889,494, 12-26-89, Cl. 439-13.000.

Kunz Associates, Inc.: *See—*

Kunz, Kaiser S., 4,809,011, Cl. 343-754.000.

Kunz, Daniel A.: *See—*

Harder, Patricia A.; and Kunz, Daniel A., 4,798,792, Cl. 435-119.000.

Kunz, Gerhard; and Goebel, Johannes. System for measuring the loading of an ion exchange filter. 4,814,090, 3-21-89, Cl. 210-662.000.

Kunz, H. Russell, to Gas Research Institute. Molten carbonate electrolyte creepage barrier. 4,818,639, 4-4-89, Cl. 429-34.000.

Kunz, H. Russell, to Gas Research Institute. Molten carbonate electrolyte creepage barrier. 4,835,073, 5-30-89, Cl. 429-16.000.

Kunz, Harold R., to International Fuel Cells Corporation. Solid polymer electrolyte fuel cell system with porous plate evaporative cooling. 4,824,741, 4-25-89, Cl. 429-26.000.

Kunz, Jacques: *See—*

Neidecker, Rudolf; and Kunz, Jacques, 4,806,122, Cl. 439-495.000.

Kunz, Kaiser S., to Kunz Associates, Inc. Electronically steerable antenna apparatus. 4,809,011, 2-28-89, Cl. 343-754.000.

Kunz, Manfred. Pressure sensor. 4,809,555, 3-7-89, Cl. 73-727.000.

Kunz, Markwart: *See—*

Klein, Joachim; Behrens, Wolfgang; and Kunz, Markwart, 4,843,154, Cl. 536-4.100.

Kunz, Nans: *See—*

Horne, Warren L.; Kunz, Nans; Luna, Phillip M.; Roberts, Andrew C.; Smith, Kenneth M.; and Smith, Ronald C., 4,845,993, Cl. 73-147.000.

Kunz, Peter, to Mettler Instrumente AG. Electronic balance. 4,858,711, 8-22-89, Cl. 177-212.000.

Kunz, Peter, to Metter Instrumente AG. Electronic weighing apparatus including guide adjusting means. 4,872,522, 10-10-89, Cl. 177-229.000.

- Kunz, Peter, to Mettler Instruments AG. Weighing apparatus with improved electromagnetic load compensation. 4,875,534, 10-24-89, Cl. 177-212.000.
- Kunz, Raymond: *See—*
  - Carlucci, Vito; and Kunz, Raymond, 4,879,443, Cl. 200-293.100.
- Kunz, Rene, to Alphasem Corporation. Bonding semiconductor chips to a mounting surface utilizing adhesive applied in starfish patterns. 4,803,124, 2-7-89, Cl. 428-200.000.
- Kunz, Udo, to Kunz, Udo. Torque transmitting coupling for reels and the like. 4,887,926, 12-19-89, Cl. 403-27.000.
- Kunz, Walter; Eckhardt, Wolfgang; and Hubele, Adolf, to Ciba-Geigy Corporation. Fungicidal compositions. 4,810,724, 3-7-89, Cl. 514-473.000.
- Kunz, Walter: *See—*
  - Rempfler, Hermann; and Kunz, Walter, 4,849,007, Cl. 71-76.000.
- Kunz, Willfried; Gramatte, Winfried; Schmitt, Rolf-Erhard; and Pohl, Udo, to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH; and Hanover Battelle Institut E.V. Method of producing a solid product containing cement for storing tritium water in an accessible terminal storage facility. 4,842,773, 6-27-89, Cl. 252-628.000.
- Kunze, Christian: *See—*
  - Martinet, Simon; and Kunze, Christian, 4,848,499, Cl. 180-79.100.
- Kunze, Dieter; Odemar, Norbert; and Schramm, Josef, to Siemens Aktiengesellschaft. Connector device comprising a receptacle part surrounding the light waveguide. 4,824,203, 4-25-89, Cl. 350-96.210.
- Kunze, Dieter; Onken, Gerd; and Wolber, Jorg, to U.S. Philips Corporation. Switchable smoothing network. 4,849,663, 7-18-89, Cl. 307-521.000.
- Kunze, Dieter; and Bachel, Ernst, to Siemens Aktiengesellschaft. Longitudinally divided sleeve tube for cable sleeves. 4,865,893, 9-12-89, Cl. 428-36.900.
- Kunze, Dieter: *See—*
  - Pichler, Klaus; Kunze, Dieter; Rost, Jan; and Haeder, Wolfgang, 4,808,772, Cl. 174-92.000.
  - Pichler, Klaus; and Kunze, Dieter, 4,861,946, Cl. 174-92.000.
- Kunze, Jochen, heir: *See—*
  - Kunze, Peter, deceased; Kunze, Nina, heir; Kunze, Petra, heir; and Kunze, Jochen, heir, 4,844,276, Cl. 220-5.00A.
- Kunze, Michael: *See—*
  - Schlafer, Ludwig; Springer, Hartmut; and Kunze, Michael, 4,808,193, Cl. 8-549.000.
- Kunze, Nina, heir: *See—*
  - Kunze, Peter, deceased; Kunze, Nina, heir; Kunze, Petra, heir; and Kunze, Jochen, heir, 4,844,276, Cl. 220-5.00A.
- Kunze, Norbert, to U.S. Philips Corporation. Magnetic-tape-cassette apparatus with two-button control of three functions. 4,825,322, 4-25-89, Cl. 360-96.300.
- Kunze, Norbert, to U.S. Philips Corporation. Apparatus having at least two control bars with differing latching arrangements. 4,827,785, 5-9-89, Cl. 74-483.0PB.
- Kunze, Peter, deceased (by Zucca-Kunze, Antoinette, heir); Kunze, Nina, heir; by Kunze, Petra, heir; and by Kunze, Jochen, heir, to Wiederaufarbeitungsanlage Karlsruhe Betriebsgesellschaft mbH. Vessel for receiving a suspension containing solids. 4,844,276, 7-4-89, Cl. 220-5.00A.
- Kunze, Petra, heir: *See—*
  - Kunze, Peter, deceased; Kunze, Nina, heir; Kunze, Petra, heir; and Kunze, Jochen, heir, 4,844,276, Cl. 220-5.00A.
- Kunze, Reinhard: *See—*
  - Hagerer, Paul; Glaser, Fritz; Klimmer, Josef W.; and Kunze, Reinhard, 4,875,889, Cl. 460-1.000.
- Kunze, Wolfgang, to Bodenseewerk Perkin-Elmer & Co., GmbH. Apparatus and method for power compensation in a differential scanning calorimeter. 4,848,921, 7-18-89, Cl. 374-11.000.
- Kunzel, Walter: *See—*
  - Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
- Kunzer, Adolf; and Klaiber, Thomas, to Daimler-Benz Aktiengesellschaft. Method and apparatus for controlling the steplessly variable transmission ratio of a continuously variable transmission, especially of a cone disk belt transmission, in a motor vehicle. 4,852,429, 8-1-89, Cl. 74-866.000.
- Kunzer, Heinz: *See—*
  - Blumenthal, Gunter; Kunzer, Heinz; and Plaga, Kurt, 4,883,322, Cl. 299-34.000.
- Kunzig, Hermann: *See—*
  - Hahne, Ernst-August; and Kunzig, Hermann, 4,835,808, Cl. 15-1.50R.
- Kunzler, Jay F.; and Percec, Virgil, to Bausch & Lomb Incorporated. Oxygen permeable polymeric materials. 4,833,262, 5-23-89, Cl. 556-488.000.
- Kunzler, Jay F.: *See—*
  - Friends, Gary D.; and Kunzler, Jay F., 4,810,764, Cl. 526-245.000.
- Kunzli, Albert; and Schutz, Kurt, to Sulzer Brothers Limited. Electrode boiler and an insulator therefor. 4,812,618, 3-14-89, Cl. 219-288.000.
- Kunzli, Albert; and Schutz, Kurt, to Sulzer Brothers Limited. Electrode boiler and an insulator therefor. 4,812,619, 3-14-89, Cl. 219-288.000.
- Kunzmann, Dieter; Pertler, Helmut; and Seidl, Helmut, to Messerschmitt-Bolkow-Blohm GmbH. Method for diffusion welding under isostatic pressure. 4,811,892, 3-14-89, Cl. 228-194.000.
- Kunzmann, Horst; Schepperle, Karl; Trieb, Gerhard; and Waldele, Franz, to Carl-Zeiss-Stiftung. Method of measuring rotary-table deviations. 4,819,339, 4-11-89, Cl. 33-503.000.
- Kuo, Chang-Kiang, to Texas Instruments Incorporated. Random access memory cell with implanted capacitor region. 4,827,448, 5-2-89, Cl. 365-149.000.
- Kuo, Cheng-Deng; Bai, Jing-Jang; and Chang, I-Te. Computerized automatic monitoring and recording system of erythrocyte sedimentation process. 4,848,900, 7-18-89, Cl. 356-39.000.
- Kuo, Ching-Chuan: *See—*
  - Lin, San-I; and Kuo, Ching-Chuan, 4,831,687, Cl. 16-49.000.
- Kuo, Clinton C.: *See—*
  - Hsieh, Ning; and Kuo, Clinton C., 4,878,101, Cl. 357-23.500.
- Kuo, Elizabeth A.: *See—*
  - Fenske, Dankwart C.; Kuo, Elizabeth A.; and Tully, Wilfred R., 4,810,828, Cl. 514-398.000.
- Kuo, Fu-Ching. Rotatively rubbing eraser. 4,817,226, 4-4-89, Cl. 15-3.530.
- Kuo, Hai P. Rowing exerciser. 4,836,532, 6-6-89, Cl. 272-72.000.
- Kuo, Hai P. Running exerciser. 4,865,313, 9-12-89, Cl. 272-69.000.
- Kuo, Han C.; Andreola, John J.; and Bardsley, Brian J., to Duracell Inc. Method of making cell anode. 4,824,744, 4-25-89, Cl. 429-209.000.
- Kuo, Hideo: *See—*
  - Ogata, Minoru; Takeda, Takashi; Kuo, Hideo; Nakazawa, Tamotsu; and Abe, Shintaro, 4,827,349, Cl. 358-256.000.
- Kuo, Jason. Detachable castor support for a baby carriage. 4,854,008, 8-8-89, Cl. 16-30.000.
- Kuo, Jen M. Adjustable securement ring. 4,817,901, 4-4-89, Cl. 248-231.000.
- Kuo, Li T-Tsao. Adjustable car lock device. 4,848,110, 7-18-89, Cl. 70-38.00C.
- Kuo, Li-Tsao. Bicycle lock. 4,888,967, 12-26-89, Cl. 70-52.000.
- Kuo, Pao-Kuang: *See—*
  - Thomas, Robert L.; Kuo, Pao-Kuang; and Favro, Lawrence D., 4,874,251, Cl. 374-45.000.
  - Thomas, Robert L.; Kuo, Pao-Kuang; and Favro, Lawrence D., 4,878,116, Cl. 358-160.000.
- Kuo, Ping-Lin: *See—*
  - Lin, Shiow-Ching; and Kuo, Ping-Lin, 4,797,455, Cl. 525-504.000.
- Kuo, Ping-Song. Stop-check valve. 4,887,792, 12-19-89, Cl. 251-82.000.
- Kuo, Samuel C.: *See—*
  - Shelton, Warren M.; and Kuo, Samuel C., 4,814,783, Cl. 343-795.000.
- Kuo, Shen-Shaon. Detachable multi-purpose self-defending device. 4,843,336, 6-27-89, Cl. 340-521.000.
- Kuo, Teng-Tang. Compositive T-handle hexagon key wrench set. 4,813,551, 3-21-89, Cl. 211-70.600.
- Kuo, Wen T. Wirelock protector. 4,819,464, 4-11-89, Cl. 70-18.000.
- Kuo, Wen T., to Ming Tay Hardware Ind. Co., Ltd. Lock core. 4,858,455, 8-22-89, Cl. 70-491.000.
- Kuo, Yi Y. Toy machine gun. 4,808,143, 2-28-89, Cl. 446-406.000.
- Kuo, Ying-Yan, to Ford Aerospace & Communications Corporation. Variable conductance thermal insulation blanket. 4,871,012, 10-3-89, Cl. 165-41.000.
- Kupensky, Thomas J.: *See—*
  - Miller, Clarence W., 4,841,696, Cl. 52-202.000.
- Kuper, Jerry W.; Langert, William E.; and Barrett, Joseph J., to Allied-Signal Inc. Unitary solid-state laser. 4,858,242, 8-15-89, Cl. 372-72.000.
- Kuper, Jerry W.: *See—*
  - Morris, Robert C.; Schroeder, Norman G.; Kuper, Jerry W.; Shand, Michael L.; and Barrett, Joseph J., 4,835,786, Cl. 372-72.000.
- Kupersmit, Julius B. Cradle type shipping container. 4,821,879, 4-18-89, Cl. 206-386.000.
- Kupersmit, Julius B. Collapsible cargo container for aircraft. 4,860,912, 8-29-89, Cl. 220-1.500.
- Kupersmith, Bertram F.; Herzog, Michael B.; and Fraser, James D., to United Technologies Corporation. EEPROM mounting device. 4,811,287, 3-7-89, Cl. 365-52.000.
- Kuperstein, Michael. Neural network system for adaptive sensory-motor coordination of multijoint robots for single postures. 4,884,216, 11-28-89, Cl. 364-513.000.
- Kuperstein, Michael: *See—*
  - Grossberg, Stephen; and Kuperstein, Michael, 4,852,018, Cl. 364-513.000.
- Kupfer, Karl-Heinz, to U.S. Philips Corp. Automatic FM sideband level control for video recorders. 4,796,101, 1-3-89, Cl. 358-335.000.
- Kupfer, Karl-Heinz O., to U.S. Philips Corporation. Low-pass filter for limiting the frequency band of a luminance signal. 4,803,549, 2-7-89, Cl. 358-39.000.
- Kupferschmidt, Albert, to Northern Telecom Limited. Telephone line protector with line disconnect and an entrance terminal assembly incorporating a plurality of protectors. 4,800,587, 1-24-89, Cl. 379-437.000.
- Kupferschmidt, Albert; Greene, Trace D.; and Jaycox, Donald F., to Northern Telecom Limited. Aerial cable terminal. 4,812,942, 3-14-89, Cl. 361-119.000.
- Kupferschmidt, Albert: *See—*
  - Cwirzen, Casimir Z.; and Kupferschmidt, Albert, 4,875,868, Cl. 439-188.000.
  - Volk, Thomas G.; and Kupferschmidt, Albert, 4,869,682, Cl. 439-344.000.
- Kupfert, Bernard J. Apparatus for rotatably positioning a ladder within a stairway. 4,846,305, 7-11-89, Cl. 182-97.000.

- Kuphal, Jeffrey A.; Robeson, Lloyd M.; and Weber, James J., to Air Products and Chemicals, Inc. Blends of poly(propylene carbonate) and poly(methyl methacrylate) and their use in decomposition molding. 4,874,030, 10-17-89, Cl. 164-34.000.
- Kupka, Detlef, to Siemens Aktiengesellschaft. Frequency converter circuit including a single-ended blocking frequency converter. 4,833,582, 5-23-89, Cl. 363-21.000.
- Kuppelmaier, Harald: *See—*
  - Dust, Matthias; Neumann, Peter; Hauser, Peter; Wagenblast, Gerhard; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus D.; and Kuppelmaier, Harald, 4,830,951, Cl. 430-270.000.
  - Dust, Matthias; Neumann, Peter; Schefczik, Ernst; Benthack-Thomas, Heidi; Barzynski, Helmut; Schomann, Klaus-Dieter; Kuppelmaier, Harald; and Koester, Eberhard, 4,876,356, Cl. 548-419.000.
  - Schrott, Wolfgang; Neumann, Peter; Albert, Bernhard; Thomas, Michael; Barzynski, Helmut; Schomann, Klaus-Dieter; and Kuppelmaier, Harald, 4,806,664, Cl. 556-136.000.
- Kuppenheimer, John D., Jr.; and Kenne, John W., Jr., to Sanders Associates, Inc. Radiation system. 4,816,694, 3-28-89, Cl. 250-504.00R.
- Kuppenheimer, John D., Jr.: *See—*
  - Labaugh, Kenneth D.; and Kuppenheimer, John D., Jr., 4,861,124, Cl. 350-6.500.
- Kupper, Friedrich-Wilhelm; Voges, Heinz-Werner; Patzold, Werner; and Schaaf, Richard, to Huels Aktiengesellschaft. Esters of 3-tert-butyl- and 3-tert-butyl-5-alkyl-4-hydroxyphenyl (alkane) carboxylic acids with oxethylates of polyhydroxyaromatics, process for their production, and their use as stabilizers. 4,859,790, 8-22-89, Cl. 560-75.000.
- Kupper, Gerd: *See—*
  - Bievert, Klaus; Bruder, Wolfgang; Geilhaupt, Manfred; Kupper, Gerd; and Zabinski, Siegfried, 4,871,155, Cl. 269-289.00R.
  - Zabinski, Siegfried; Biervert, Klaus; and Kupper, Gerd, 4,882,961, Cl. 83-177.000.
- Kupper, Hermann: *See—*
  - Kronbauer, Hermann; Kupper, Hermann; and Rehm, Christian, 4,854,697, Cl. 353-89.000.
- Kupper, Robert J., to W. R. Grace & Co.-Conn. Decolorization. 4,820,881, 4-11-89, Cl. 568-947.000.
- Kupper, Robert J.; Jachimowicz, Felek; Quirk, Jennifer M.; and Hakanson, Christer L., to W. R. Grace & Co.-Conn. Novel process for the preparation of bronopol. 4,851,588, 7-25-89, Cl. 568-713.000.
- Kupper, Robert J., to W. R. Grace & Co.-Conn. Preparation of amino acid derivatives. 4,855,455, 8-8-89, Cl. 549-88.000.
- Kupper, Robert J.: *See—*
  - Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,810,817, Cl. 560-40.000.
  - Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,873,359, Cl. 560-40.000.
  - Quirk, Jennifer M.; Carter, Charles G.; and Kupper, Robert J., 4,801,742, Cl. 562-450.000.
- Kupper, Wilhelm, to Zinser Textilmaschinen GmbH. Vertically adjustable drawing frame. 4,817,248, 4-4-89, Cl. 19-159.00R.
- Kupper, Wilhelm, to W. Schlafhorst & Co. Apparatus for providing a constant bobbin tube supply. 4,830,171, 5-16-89, Cl. 198-357.000.
- Kupperman, Robert H.: *See—*
  - Salzman, Gary C.; and Kupperman, Robert H., 4,796,995, Cl. 356-368.000.
- Kuppers, Helmuth; and Knauer, Hans-Jurgen, to Kali und Salz Aktiengesellschaft. Electrostatic free-fall separator. 4,797,201, 1-10-89, Cl. 209-127.400.
- Kuppuswami, Ram: *See—*
  - Davidson, Wayne A.; Ernst, John P.; Herkes, Marybeth; Kuppuswami, Ram; Satalich, Timothy A.; and Stanaway, John J., Jr., 4,873,717, Cl. 379-157.000.
- Kupske, Peter, to Bayerische Motoren Werke Aktiengesellschaft. Arrangement for filling fuel tanks of motor vehicles, especially of motorcycles. 4,811,763, 3-14-89, Cl. 141-44.000.
- Kupzik, Roland: *See—*
  - Konrath, Karl; Koester, Claus; Zibold, Karl, Schwarz, Manfred; Russeler, Karl-Friedrich; Krieger, Klaus; and Kupzik, Roland, 4,884,542, Cl. 123-370.000.
- Kurabayashi, Hiroyuki; and Ono, Minoru, to Fuji Photo Film Co., Ltd. Photosensitive sheet of instant film. 4,851,328, 7-25-89, Cl. 430-536.000.
- Kurachi, Hiroshi; Ishiguro, Fujio; and Kato, Nobuhide, to NGK Insulators, Ltd. Electrode structure of an oxygen sensing element. 4,863,583, 9-5-89, Cl. 204-424.000.
- Kurachi, Tadashi; and Ueda, Shoji, to Tokyo Shibaura Denki Kabushiki Kaisha. Computer system for preventing copying of program from a storage medium by modifying the program using a unique key. 4,835,682, 5-30-89, Cl. 364-200.000.
- Kurachi, Tatsunori: *See—*
  - Kondo, Kazuo; Kurachi, Tatsunori; and Okuyama, Masahiko, 4,839,313, Cl. 501-14.000.
  - Kondo, Kazuo; and Kurachi, Tatsunori, 4,861,625, Cl. 427-126.200.
- Kurachi, Yoshio: *See—*
  - Ito, Shunji; Ito, Kanehiro; Kogiso, Takashi; and Kurachi, Yoshio, 4,858,746, Cl. 198-465.400.
- Kurachi, Yoshiya: *See—*
  - Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, 4,883,596, Cl. 210-638.000.
- Kuracina, Thomas C. Thermal massage device. 4,884,560, 12-5-89, Cl. 128-24.300.
- Kuragaki, Naoyoshi: *See—*
  - Nakahama, Ryoji; and Kuragaki, Naoyoshi, 4,850,911, Cl. 440-86.000.
- Kuragano, Mitsuru: *See—*
  - Sakai, Takaaki; and Kuragano, Mitsuru, 4,815,521, Cl. 164-496.000.
- Kuragano, Morimasa: *See—*
  - Iwasaki, Kozo; Kuragano, Morimasa; Koshibe, Minoru; Sezaki, Yoshihiro; Yoguchi, Katsuji; and Koyama, Yoshio, 4,879,412, Cl. 562-600.000.
- Kuragano, Takashi: *See—*
  - Aoki, Isao; Kuragano, Takashi; Okajima, Nobuyuki; and Okada, Yoshiyuki, 4,872,901, Cl. 71-90.000.
- Kuragano, Tetsuzo; and Kikuchi, Atsushi, to Sony Corporation. Method of displaying image. 4,819,192, 4-4-89, Cl. 364-522.000.
- Kuragano, Tetsuzo; and Sasaki, Nobuo, to Sony Corporation. Method for generating offset surface data. 4,866,631, 9-12-89, Cl. 364-474.290.
- Kuragano, Tetsuzo: *See—*
  - Sasaki, Nobuo; Kuragano, Tetsuzo; and Minami, Nobuyuki, 4,860,217, Cl. 364-518.000.
- Kurahashi, Hayao: *See—*
  - Sone, Yuji; Wada, Kayoko; Kurahashi, Hayao; Nakai, Yoichi; Narutani, Tetsu; and Suzuki, Shigeharu, 4,859,287, Cl. 204-1.00T.
- Kurahashi, Itsuo: *See—*
  - Kawamura, Yoshihide; Tanibe, Hiroaki; Kurahashi, Itsuo; Seo, Hiroshi; and Nakajima, Saburo, 4,833,237, Cl. 536-20.000.
- Kurahashi, Koichiro: *See—*
  - Yamaguchi, Tetsuo; and Kurahashi, Koichiro, 4,809,978, Cl. 273-78.000.
- Kurahashi, Toshio, to Yamaha Hatsudoki Kabushiki Kaisha. Induction system with E.G.R. 4,811,697, 3-14-89, Cl. 123-52.0MV.
- Kurahashi, Yoshio: *See—*
  - Saito, Junichi; Tamura, Tatsuo; Kurahashi, Yoshio; Matsumoto, Noboru; and Yamaguchi, Naoko, 4,804,673, Cl. 514-398.000.
- Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, to Canon Kabushiki Kaisha. Image transmission or encoding apparatus. 4,845,569, 7-4-89, Cl. 358-400.000.
- Kuraishi, Fumio, to Shinko Electric Industries Co., Ltd. Semiconductor device and lead frame used therefor. 4,809,053, 2-28-89, Cl. 357-70.000.
- Kuraishi, Tadayuki: *See—*
  - Sato, Susumu; Honda, Haruyoshi; Koumoto, Teruo; Isomae, Kuzuo; Kuraishi, Tadayuki; and Katori, Tatsuhiko, 4,866,176, Cl. 544-262.000.
- Kuraishi, Yoshiaki, to NEC Corporation. D/A converter. 4,843,393, 6-27-89, Cl. 341-150.000.
- Kuraishi, Yoshiaki, to NEC Corporation. Oversampling A/D converter comprising an additional capacitor switched in synchronism with switchin of an input capacitor. 4,876,544, 10-24-89, Cl. 341-166.000.
- Kuraishi, Yoshiaki, to NEC Corporation. Oversampling A/D converter with two capicitor arrays. 4,888,587, 12-19-89, Cl. 341-122.000.
- Kurakake, Masahiro: *See—*
  - Sato, Koji; Kurakake, Masahiro; and Fujiwaki, Kazuo, 4,797,940, Cl. 382-9.000.
- Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, to Fanuc Ltd. Picture introducing apparatus. 4,811,098, 3-7-89, Cl. 358-160.000.
- Kurakake, Mitsuo; and Otsuka, Shoichi, to Fanuc Ltd. Picture processing apparatus. 4,812,836, 3-14-89, Cl. 340-724.000.
- Kurakake, Mitsuo, to Fanuc Ltd. Photoelectric motion limiting control apparatus for a robot mechanism. 4,816,728, 3-28-89, Cl. 318-568.000.
- Kurakake, Mitsuo; and Sakamoto, Keiji, to Fanuc Ltd. Speed control system. 4,816,734, 3-28-89, Cl. 318-615.000.
- Kurakake, Mitsuo; and Otsuka, Shoichi, to Fanuc Ltd. Picture processing apparatus. 4,829,454, 5-9-89, Cl. 364-521.000.
- Kurakake, Mitsuo; Miyashita, Hideo; and Otsuka, Shoichi, to Fanuc Ltd. System for coupling a visual sensor processor and a robot controller. 4,837,487, 6-6-89, Cl. 318-568.160.
- Kurakake, Mitsuo; and Otsuka, Shoichi, to Fanuc Ltd. Picture processing apparatus. 4,852,024, 7-25-89, Cl. 364-521.000.
- Kurakake, Mitsuo; Sakamoto, Keiji; and Toyosawa, Yukio, to Fanuc Ltd. Interface system for servo controller. 4,859,920, 8-22-89, Cl. 318-567.000.
- Kurakake, Mitsuo; Sakamoto, Keiji; and Iwamoto, Takashi, to Fanuc Ltd. Robot control apparatus for controlling a manipulator through a robot arm having a plurality of axes. 4,873,476, 10-10-89, Cl. 318-568.220.
- Kurakake, Mitsuo; and Sakamoto, Keiji, to Fanuc Ltd. Velocity control apparatus. 4,885,515, 12-5-89, Cl. 318-567.000.
- Kurakake, Mitsuo; and Sakamoto, Keiji, to Fanuc Ltd. Position control system. 4,887,015, 12-12-89, Cl. 318-609.000.
- Kurakake, Mitsuo; and Sakamoto, Keiji, to Fanuc Ltd Numerical control apparatus. 4,890,046, 12-26-89, Cl. 318-630.000.
- Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, to Fanuc Ltd. Picture processing apparatus including a dual port memory. 4,890,100, 12-26-89, Cl. 340-799.000.
- Kurakazu, Keiichi; and Baba, Shiro, to Hitachi, Ltd. Instruction format for program control type data processing systems. 4,825,355, 4-25-89, Cl. 364-200.000.
- Kurami, Kunihiko; and Akutagawa, Kiyoshi, to Nissan Motor Company, Limited. Model follower control apparatus. 4,797,835, 1-10-89, Cl. 364-513.000.
- Kurami, Kunihiko: *See—*
  - Saitoh, Hiroshi; Noso, Kazunori; Kurami, Kunihiko; and Kishi, Norimasa, 4,819,169, Cl. 364-424.020.

Kurami, Miki; Shirakami, Yoshifumi; Takahashi, Keietsu; and Ueda, Nobuo, to Nihon Medi-Physics Co., Ltd. High molecular compounds having amino groups, and their utilization. 4,855,353, 8-8-89, Cl. 525-54.100.

Kuramitsu, Yoichi; and Arakawa, Takahiko, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit. 4,853,757, 8-1-89, Cl. 357-45.000.

Kuramochi, Atsuo, to Kabushiki Kaisha Nippon IC. Mass flow controller. 4,794,947, 1-3-89, Cl. 137-486.000.

Kuramochi, Koujiro: *See—*

Hayabuchi, Masahiro; Tsukamoto, Kazumasa; Takahashi, Tokuyuki; Kubo, Seitoku; and Kuramochi, Koujiro, 4,866,935, Cl. 60-361.000.

Kato, Nobuyuki; Kuramochi, Koujiro; Nakamura, Shinya; and Houjo, Yasuo, 4,858,646, Cl. 137-596.160.

Kubo, Seitoku; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,817,472, Cl. 74-869.000.

Kuwayama, Yoshinari; Yokoyama, Fumitomo; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,839,041, Cl. 210-168.000.

Numazawa, Akio; Kubo, Seitoku; and Kuramochi, Koujiro, 4,836,050, Cl. 74-695.000.

Kuramochi, Osamu: *See—*

Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.

Kuramochi, Wataru: *See—*

Takeda, Mitsuru; and Kuramochi, Wataru, 4,816,362, Cl. 430-14.000.

Kuramoto, Akio: *See—*

Yamane, Toshinobu; Kuramoto, Akio; Shimizu, Ryuji; and Nakayama, Makoto, 4,881,078, Cl. 342-155.000.

Kuramoto, Atsushi: *See—*

Fukayama, Yukio; and Kuramoto, Atsushi, 4,841,918, Cl. 122-406.0ST.

Kuramoto, Kenji; and Yumoto, Manabu, to Nippon Ferrite, Ltd. Lumped constant non-reciprocal circuit element. 4,812,787, 3-14-89, Cl. 333-1.100.

Kuramoto, Kenji: *See—*

Sakuma, Kazuhiro; Itoh, Hirohito; Kazou, Mitsuaki; and Kuramoto, Kenji, 4,854,169, Cl. 73-517.00B.

Kuramoto, Koiti: *See—*

Kondo, Masatsune; Ogura, Kiyoshi; and Kuramoto, Koiti, 4,877,833, Cl. 525-64.000.

Kuramoto, Masahiko: *See—*

Watanabe, Masami; and Kuramoto, Masahiko, 4,814,540, Cl. 585-523.000.

Kuramoto, Megumi: *See—*

Taniguti, Yoshiharu; Edano, Shigeki; Tanaka, Kazuhiko; Taniguti, Shiniti; and Kuramoto, Megumi, 4,800,278, Cl. 250-338.100.

Kuramoto, Satoru, to Mitsubishi Denki Kabushiki Kaisha. Diagnostic apparatus. 4,864,203, 9-5-89, Cl. 318-563.000.

Kuramoto, Satoru, to Mitsubishi Denki Kabushiki Kaisha. Coil box apparatus. 4,869,089, 9-26-89, Cl. 72-13.000.

Kuramoto, Shinichi: *See—*

Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,050, Cl. 355-256.000.

Kuramoto, Shinji: *See—*

Mashimo, Satoshi; Kitajima, Tatsuya; Tanaka, Masayuki; and Kuramoto, Shinji, 4,852,625, Cl. 152-511.000.

Kuramoto, Takashi: *See—*

Uzuda, Tetsuji; Kuramoto, Takashi; Onga, Takeo; Suzuki, Teruo; Koizumi, Masaru; and Kondo, Takeo, 4,882,622, Cl. 358-80.000.

Kuramoto, Tsuyoshi: *See—*

Ohata, Yu; Kuramoto, Tsuyoshi; and Shimbo, Masaru, 4,837,186, Cl. 437-228.000.

Takagi, Yosuke; Ohata, Yu; Kitahara, Koichi; and Kuramoto, Tsuyoshi, 4,879,584, Cl. 357-43.000.

Kuranaga, Hiroshi: *See—*

Kondou, Harufusa; and Kuranaga, Hiroshi, 4,876,466, Cl. 307-465.000.

Kuranari, Jun: *See—*

Taguchi, Fumiaki; Mitsui, Isamu; Hara, Kinichi; Hayashi, Masaro; Ezawa, Kunio; Fukunaga, Kenichi; and Kuranari, Jun, 4,882,423, Cl. 530-380.000.

Kuranari, Shinsaku: *See—*

Masuda, Tsugunori; Kuranari, Shinsaku; and Fukuhara, Yu, 4,846,390, Cl. 228-47.000.

Kurando, Shigeo, to Mita Industrial Co., Ltd. Automatic exposure device for copying machine. 4,819,022, 4-4-89, Cl. 355-14.0FU.

Kurandt, Fritz. Apparatus for rapid colorimetry on different samples. 4,838,697, 6-13-89, Cl. 356-406.000.

Kurano, Akira: *See—*

Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.

Shigihara, Kimiko; Nakayama, Masahiro; and Kurano, Akira, 4,814,904, Cl. 360-60.000.

Shiroyanagi, Yoshiro; and Kurano, Akira, 4,819,203, Cl. 364-900.000.

Takeuchi, Hisaharu; Takamatsu, Hisashi; Nakayama, Masahiro; Shiroyanagi, Yoshiro; and Kurano, Akira, 4,805,048, Cl. 360-69.000.

Takeuchi, Hisaharu; Kurano, Akira; Shiroyanagi, Yoshiro; Takamatsu, Hisashi; and Nakamura, Katsunori, 4,807,180, Cl. 364-900.000.

Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyanagi, Yoshiro, 4,800,483, Cl. 364-200.000.

Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyana, Yoshiro, 4,870,565, Cl. 364-200.000.

Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, to Nippondenso Co., Ltd. Brake control system on turning of motor vehicle. 4,848,851, 7-18-89, Cl. 303-100.000.

Kuraoka, Hiroaki: *See—*

Matsumoto, Naoki; Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, 4,811,993, Cl. 303-100.000.

Kuraoka, Yasuo: *See—*

Kasai, Yoichi, deceased; Kawamura, Akio; Nakanishi, Yoshimi; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, 4,883,452, Cl. 600-36.000.

Kuraray Company, Ltd.: *See—*

Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,581, Cl. 428-412.000.

Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,755, Cl. 525-285.000.

Aoyama, Akimasa; Moritani, Takeshi; Yonezu, Kiyoshi; and Okaya, Takuji, 4,824,904, Cl. 525-60.000.

Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; Sugiura, Tsutomu; and Ichihara, Yoshihiro, 4,867,913, Cl. 260-397.450.

Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; and Ichihara, Yoshihiro, 4,867,914, Cl. 260-397.470.

Genba, Tsuneo; Yoshinaka, Junichi; and Nakanishi, Shingo, 4,809,493, Cl. 57-238.000.

Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.

Ishizaki, Makoto; Sato, Takateru; Tanaka, Soichi; and Kariu, Keiki, 4,839,055, Cl. 210-641.000.

Kawai, Syuji; Anzai, Seio; Ishii, Toshinori; Shirano, Kenji; Shimamura, Kunihiko; Kanemitsu, Toshimasa; and Matsumura, Keiji, 4,810,542, Cl. 428-36.700.

Kawatsuki, Nobuhiro; Fujisawa, Katsuya; Matsuzaki, Ichiro; and Uetsuki, Masao, 4,842,969, Cl. 430-5.000.

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,816,841, Cl. 346-76.00L.

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,840,873, Cl. 430-273.000.

Kohno, Hiroji; Moritani, Kohji; Sato, Toshiaki; Yamauchi, Junnosuke; and Okaya, Takuji, 4,835,198, Cl. 524-47.000.

Komiya, Yukiatsu; Ishida, Masao; Hirai, Koji; and Okaya, Takuji, 4,816,544, Cl. 528-73.000.

Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isao, 4,803,332, Cl. 219-121.520.

Kyo, Sunao; Omura, Katsumi; and Mochizuki, Akira, 4,814,425, Cl. 526-262.000.

Makimura, Masaru; and Kogame, Kunio, 4,833,012, Cl. 428-288.000.

Matsumoto, Mitsuo; and Kaneda, Teruhisa, 4,837,268, Cl. 524-539.000.

Matsumoto, Mitsuo; and Kaneda, Teruhisa, 4,851,503, Cl. 528-176.000.

Nakamura, Seishiro; Oukami, Katutoshi; and Asada, Masayuki, 4,889,833, Cl. 501-1.000.

Nohira, Hiroyuki; and Yoshida, Shinichi, 4,845,272, Cl. 562-401.000.

Ogawa, Kunihiko; and Noguchi, Yoshio, 4,842,916, Cl. 428-100.000.

Okamoto, Takehiko; Ohmory, Akio; Sueoka, Akinori; Kawata, Ichiro, and Akasu, Hiroyuki, 4,874,522, Cl. 210-645.000.

Omatsu, Toshihiro; Tokitoh, Yasuo; and Yoshimura, Noriaki, 4,871,880, Cl. 568-454.000.

Onishi, Takashi; Suzuki, Shigeaki; Mori, Toshiki; Fujii, Hiroshi; and Fujita, Yoshiji, 4,886,916, Cl. 568-34.000.

Otera, Junzo; Mandai, Tadakatsu; and Kawada, Mikio, 4,825,006, Cl. 568-32.000.

Otera, Junzo; Mandai, Tadakatsu; and Kawada, Mikio, 4,876,400, Cl. 568-824.000.

Sato, Toshiaki; Yamauchi, Junnosuke; and Okaya, Takuji, 4,818,787, Cl. 525-62.000.

Sato, Toshiaki; Yuki, Ken; Yamauchi, Junnosuke; and Okaya, Takuji, 4,818,788, Cl. 525-62.000.

Shimo, Hiroyuki; Kanesige, Isao; and Tanaka, Nobuo, 4,855,181, Cl. 428-336.000.

Suzuki, Shigeaki; Mori, Toshiki; Onishi, Takashi; and Fujita, Yoshiji, 4,827,056, Cl. 570-189.000.

Takahashi, Katsuaki; Miura, Yoshinari; Osaka, Akiyoshi; and Asada, Masayuki, 4,829,026, Cl. 501-10.000.

Takak, Fumimaro; Urabe, Akio; Shimamura, Michiya; and Mizuno, Masao, 4,812,443, Cl. 514-143.000.

Tanaka, Yasuyuki; Ibata, Koichi; Mizuno, Masao; Ninagawa, Yoichi; and Nishida, Takashi, 4,886,904, Cl. 560-249.000.

Tokitoh, Yasuo; and Yoshimura, Noriaki, 4,808,756, Cl. 568-454.000.

Tokitoh, Yasuo; and Yoshimura, Noriaki, 4,861,922, Cl. 568-865.000.

Tokumo, Masateru; Shirakawa, Kinichi; Koyakumaru, Takatoshi; Okaya, Takuji; Onishi, Hiroyuki; and Kohno, Hiroji, 4,824,696, Cl. 427-208.600.

Torihara, Masahiro; and Tamai, Yoshin, 4,837,351, Cl. 558-388.000.

Yoshimura, Noriaki; and Tokitoh, Yasuo, 4,808,737, Cl. 549-423.000.

Kuraray Plasmon Data Systems Co., Ltd.: *See—*

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,816,841, Cl. 346-76.00L.

Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,840,873, Cl. 430-273.000.

Kurasawa, Morio, to Kurasawa Optical Industry Co., Ltd. Anti-fogging material. 4,833,105, 5-23-89, Cl. 501-44.000.

Kurasawa, Morio, to Kurasawa Optical Industry Co., Ltd. Electrically conductive synthetic resin composition. 4,853,155, 8-1-89, Cl. 252-512.000.

Kurasawa Optical Industry Co., Ltd.: *See—*

Kurasawa, Morio, 4,833,105, Cl. 501-44.000.

Kurasawa, Morio, 4,853,155, Cl. 252-512.000.

Kurasawa, Shogo: *See—*

Okami, Yoshiro; Kurasawa, Shogo; Kamayama, Toshiyuki; Takahashi, Atsushi; Ishizuka, Masaaki; and Umezawa, Hamao, deceased, 4,870,172, Cl. 540-460.000.

Kurashige, Hiroyuki: *See—*

Aramaki, Minoru; Kubo, Masahiro; Nakano, Hisaji; and Kurashige, Hiroyuki, 4,863,762, Cl. 427-255.600.

Kurashige, Mitsuhiro: *See—*

Maruyama, Masanori; Oku, Kentaro; Fukushima, Masakazu; Kato, Shinichi; and Kurnshige, Mitsuhiro, 4,866,337, Cl. 313-432.000.

Kurashige, Tomoyoshi: *See—*

Uchiyama, Futoshi; Tsukamoto, Koichi; Kurashige, Tomoyoshi; Furusawa, Kaoru; and Koike, Mitsumaro, 4,836,417, Cl. 222-63.000.

Kurashiki Boseki Kabushiki Kaisha: *See—*

Koashi, Katsue; and Yokota, Hiroshi, 4,883,953, Cl. 250-226.000.

Matsui, Shigeaki; Hirai, Eiichi; and Nakamura, Junji, 4,871,674, Cl. 435-284.000.

Miyagi, Tokuya; Inoue, Akihisa; Ootsubo, Taisuke; and Fujimori, Shoichi, 4,826,519, Cl. 55-487.000.

Kurashiki Kako Co., Ltd.: *See—*

Kei, Mori; Mitsuyuki, Kikyo; and Kouiti, Yabuki, 4,859,578, Cl. 156-294.000.

Kurashiki, Nobuhiro: *See—*

Takaragi, Kazuo; Sasaki, Ryoichi; Shiraishi, Takayoshi; and Kurashiki, Nobuhiro, 4,885,777, Cl. 380-30.000.

Kurashima, Hideo: *See—*

Matsuno, Kenji; Imatani, Tsuneo; Sato, Nobuyuki; Teruuchi, Osamu; and Kurashima, Hideo, 4,883,937, Cl. 219-121.640.

Watanabe, Michio; Ishibashi, Kazuhisa; Matsuno, Kenji; and Kurashima, Hideo, 4,800,250, Cl. 219-121.630.

Yasumuro, Hisakazu; Watanabe, Michio; Taira, Kazuo; Imatani, Tsuneo; and Kurashima, Hideo, 4,858,782, Cl. 220-458.000.

Kurashima, Isao, to Casio Computer Co., Ltd. Case structure for an electronic apparatus, and deformable ornamental body therefor. 4,847,798, 7-11-89, Cl. 364-708.000.

Kurashina, Yoshikazu; Miyata, Hiroshi; and Momose, Den-ichi, to Kissei Pharmaceutical Co., Ltd. 4H-quinolizin-4-one compounds useful for the treatment of allergic bronchial asthma, allergic rhinitis atropic dermatitis and the like. 4,877,795, 10-31-89, Cl. 514-306.000.

Kurasova, Lidia P.: *See—*

Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.

Kurata, Hisao, to Honda Electric Co., Ltd. Fish sonar body. 4,805,337, 2-21-89, Cl. 43-17.500.

Kurata, Mitsuru: *See—*

Nomura, Akihiro; Namekata, Kiyokazu; Kurata, Mitsuru; Niizawa, Takuji; Ebata, Tokihide; and Sasaki, Shinichi, 4,862,215, Cl. 355-309.000.

Kurata, Naoji; Sugita, Yoshio; Kobayashi, Keiji; and Kawano, Atsushi, to Nihon Joryu Kogyo Co., Ltd; and Nippon Shokubai Kagaku Kogyo Co., Ltd. Polyoxyalkylene carbozole adduct. 4,814,462, 3-21-89, Cl. 548-444.000.

Kurata, Naoji: *See—*

Saito, Yoshinori; Araki, Shinichi; Sugita, Yoshio; and Kurata, Naoji, 4,831,189, Cl. 562-408.000.

Kurata, Shigeaki: *See—*

Yamazaki, Noboru; Yamanaka, Akira; and Kurata, Shigeaki, 4,826,893, Cl. 523-115.000.

Kurata, Shigeo: *See—*

Kawano, Minoru; Simizu, Katsumi; Isonaga, Eiji; and Kurata, Shigeo, 4,877,874, Cl. 540-606.000.

Kurata, Sumio: *See—*

Hironaka, Masakazu; Yoshiji, Takeo; Kaneko, Daizo; Shibazaki, Mizuo; and Kurata, Sumio, 4,850,102, Cl. 29-787.000.

Kurata, Tadahiko: *See—*

Tanabe, Haruo; Ishida, Masaji; Fujino, Tomoya; and Kurata, Tadahiko, 4,829,167, Cl. 235-384.000.

Kurata, Takashi: *See—*

Tsuda, Yusuke; Kurata, Takashi; Suzuki, Yoshinobu; and Yamamoto, Yuji, 4,877,835, Cl. 525-67.000.

Kurata, Yoshiaki: *See—*

Watanabe, Hideo; and Kurata, Yoshiaki, 4,874,247, Cl. 356-402.000.

Kurata, Yoshiharu, to Nakagawa Seisakusho Co., Ltd. Pile yarn feeding device in tufting machine. 4,856,441, 8-15-89, Cl. 112-80.730.

Kurata, Yoshio: *See—*

Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,810,068, Cl. 350-358.000.

Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,867,542, Cl. 350-358.000.

Kurata, Yukio; Sato, Hideaki; Nakata, Yasuo; Ogata, Nobuo; and Inoue, Teruaki, to Sharp Kabushiki Kaisha. Pick-up device for use in an optical information recording system. 4,849,825, 7-18-89, Cl. 358-296.000.

Kurata, Yukio: *See—*

Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.

Kuratani, Junichi, to Alps Electric Co., Ltd. Dimmer control circuit. 4,887,006, 12-12-89, Cl. 315-209.00R.

Kuratani, Junichi: *See—*

Oyama, Akira; and Kuratani, Junichi, 4,845,458, Cl. 338-132.000.

Kuratani, Shusei; Uno, Kohichi; Mizuno, Shinya; Sakuramoto, Hisashi; and Nishiyama, Satoshi, to Narumi China Corporation. Black sintered body of aluminum nitride and process for producing the same. 4,843,038, 6-27-89, Cl. 501-98.000.

Kuratani, Shusei: *See—*

Mizuno, Shinya; Kuratani, Shusei; Uno, Kohichi; Sakuramoto, Hisashi; and Nishiyama, Satoshi, 4,833,108, Cl. 501-98.000.

Kuratani, Takahiro: *See—*

Nakamura, Takashi; Hikuma, Motohiko; Kuratani, Takahiro; Obana, Haruo; and Morita, Yasutsugu, 4,801,204, Cl. 356-338.000.

Kuratsuji, Takatoshi: *See—*

Hirose, Masahiko; Kuratsuji, Takatoshi; Matsubayashi, Tooru; and Sakai, Kouichi, 4,844,987, Cl. 428-474.400.

Kurauchi, Toshio: *See—*

Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-445.000.

Kurauchi, Yasuhiro: *See—*

Fukuda, Kenichi; Mori, Takashi; Kurauchi, Yasuhiro; Doi, Masaharu; and Suematsu, Tetsuya, 4,877,498, Cl. 204-86.000.

Kurbanov, Nariman G. O.: *See—*

Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.

Kurbitz, Gunther; Simon, Karl-Heinz D.; and Weinheimer, Hans-Richard, to Carl-Zeiss-Stiftung, Heidenheim/Brenz. Method and apparatus for the detection of helicopters. 4,842,247, 6-27-89, Cl. 250-342.000.

Kurcha Kagaku Kogyo Kabushiki Kaisha: *See—*

Fukuda, Hiroyuki; Shigeta, Masatomo; Kaji, Hisatsugu; and Saitoh, Kuniyuki, 4,855,092, Cl. 264-29.500.

Kurchacova, Elva: *See—*

Charlton, Steven C.; and Kurchacova, Elva, 4,855,228, Cl. 435-28.000.

Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Soflina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., to Vsesojuzny Onkologichesky Nauchny Tsentr Akademii Meditsinskikh Nauk SSR. 11-desoxy-17α-hydroxycorticosterone derivatives. 4,810,701, 3-7-89, Cl. 514-181.000.

Kurdziel, Leonard J.: *See—*

Baltusis, Paul A.; Buch, Lawrence H.; Holcomb, Richard S.; Kurdziel, Leonard J.; and Rein, Gerald W., 4,823,266, Cl. 364-424.100.

Kure-Jensen, Jens; Westphal, Bernd A. K.; and Drummond, Thane M., to General Electric Company. Steam turbine control with megawatt feedback. 4,853,552, 8-1-89, Cl. 290-40.00C.

Kure, Tokuo: *See—*

Kaga, Toru; Kimura, Shinichiro; Kure, Tokuo; Kawamoto, Yoshifumi; and Sunami, Hideo, 4,873,203, Cl. 437-67.000.

Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshihiko; Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ichiro; Kaga, Toru; and Kure, Tokuo, 4,882,289, Cl. 437-52.000.

Nakamura, Tohru; Nakazato, Kazuo; Homma, Noriyuki; Sagara, Kazuhiko; Shiba, Takeo; Kure, Tokuo; and Hayashida, Tetsuya, 4,812,894, Cl. 357-55.000.

Nakazato, Kazuo; Nakamura, Tohru; Matsuda, Masatoshi; Miyazaki, Takao; Kure, Tokuo; Okabe, Takahiro; and Nagata, Minoru, 4,825,281, Cl. 357-59.000.

Sagara, Kazuhiko; Nakamura, Tohru; Nakazato, Kazuo; Kure, Tokuo; Ikeda, Kiyoji; and Homma, Noriyuki, 4,829,361, Cl. 357-50.000.

Sunami, Hideo; Kure, Tokuo; Hiraiwa, Atsushi; and Wada, Yasuo, 4,860,071, Cl. 357-23.600.

Kurebayashi, Kimie: *See—*

Yoshimura, Motokazu; Hirata, Koichi; and Kurebayashi, Kimie, 4,796,185, Cl. 364-419.000.

Kurebayashi, Masaaki: *See—*

Yamada, Masamichi; Kurebayashi, Masaaki; Saito, Masakatsu; Yanagihara, Hitoshi; Konishi, Katsuo; and Tsuchiya, Toshio, 4,799,118, Cl. 360-125.000.

- Kureha Chemical Industry Co., Limited: *See—*
  - Aiga, Tadao; and Kimura, Masoyoshi, 4,883,677, Cl. 426-420.000.
  - Tanaka, Yoshio; and Saitou, Shirou, 4,877,964, Cl. 250-455.100.
- Kureha Gosen Co., Ltd.: *See—*
  - Ueba, Hisaaki; and Sunaga, Yoshio, 4,833,027, Cl. 428-364.000.
- Kureha Kagaku Kogyo Kabushiki Kaisha: *See—*
  - Aoki, Haruo; and Kudo, Yoshihiko, 4,802,966, Cl. 204-182.400.
  - Aoki, Katsunichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; and Yamazaki, Shiro, 4,795,484, Cl. 71-92.000.
  - Asano, Kiro; Matsudaira, Tadahiro; Tamura, Humio; Suzuki, Toichi; and Wada, Hisayuki, 4,885,290, Cl. 514-182.000.
  - Fukuda, Hiroyuki; Shigeta, Masatomo; Ohuchi, Kiyomi; Kaji, Hisatsugu; Saitoh, Kuniyuki; and Funabashi, Masayuki, 4,818,640, Cl. 429-38.000.
  - Funabashi, Masayuki; and Sibuya, Masayosi, 4,814,307, Cl. 502-101.000.
  - Hisazumi, Nobuyuki; Funabashi, Shinichiro; and Tomioka, Yoshihiko, 4,851,245, Cl. 426-105.000.
  - Hoshino, Mitsuru; Yusa, Haruhiko; and Suzuki, Katsumi, 4,857,592, Cl. 525-82.000.
  - Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, 4,820,759, Cl. 524-413.000.
  - Ichikawa, Yukio; Kaneko, Takashi; Satake, Yoshikatsu; and Katto, Takayuki, 4,837,294, Cl. 528-388.000.
  - Ichikawa, Yukio; and Katto, Takayuki, 4,859,734, Cl. 524-447.000.
  - Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, 4,868,240, Cl. 524-609.000.
  - Iizuka, Yo; Iwasaki, Takao; Katto, Takayuki; and Shiiki, Zenya, 4,812,539, Cl. 526-62.000.
  - Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, 4,820,689, Cl. 514-8.000.
  - Iwasaki, Takao; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,814,430, Cl. 528-388.000.
  - Iwasaki, Takao; and Horikosi, Katsumi, 4,841,019, Cl. 528-388.000.
  - Kawai, Yoshio; Endo, Kazue; and Yoshimura, Makoto, 4,822,335, Cl. 604-20.000.
  - Kawakami, Yukichika; Iwasaki, Takao; and Shiiki, Zenya, 4,810,566, Cl. 428-220.000.
  - Kobayashi, Akio; Kouyama, Toshitaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,801,416, Cl. 264-177.100.
  - Konai, Yutaka; Nakamura, Tadashi; Tanonaka, Takayuki; Yoshida, Kazuo; and Machida, Yoshihisa, 4,804,788, Cl. 568-730.000.
  - Konai, Yutaka; Yoshida, Kazuo; and Hino, Masatoshi, 4,825,007, Cl. 568-815.000.
  - Kouyama, Toshitaka; Egawa, Harunobu; Iizuka, Yo; and Shiiki, Zenya, 4,816,335, Cl. 428-364.000.
  - Kouyama, Toshitaka; Katto, Takayuki; Iwasnki, Takao; Iizuka, Yo; and Shiiki, Zenya, 4,863,669, Cl. 264-532.000.
  - Kudo, Yoshihiko, 4,842,842, Cl. 423-554.000.
  - Kumazawa, Satoru; Ito, Atsushi; Sato, Nobuo; Saishoji, Toshihide; Hamada, Masahiro; Yamazaki, Shiro; and Enari, Hiroyuki, 4,863,505, Cl. 71-92.000.
  - Matsuda, Toshiharu; Sasakawa, Atsushi; Hayashi, Shoichiro; and Konai, Yutaka, 4,873,366, Cl. 562-416.000.
  - Mizuno, Toshiya; Yasumi, Hideyuki; and Matsunaga, Satoru, 4,839,129, Cl. 264-235.000.
  - Moriyama, Nobuhiro; Kon, Tetsuaki; and Nagai, Aisaku, 4,851,682, Cl. 250-338.300.
  - Naoki, Makoto; and Aoyagi, Shouzou, 4,820,550, Cl. 427-150.000.
  - Nishimura, Yasushi, 4,822,765, Cl. 502-418.000.
  - Ohtsuru, Masashi; and Hozumi, Toshio, 4,822,928, Cl. 570-190.000.
  - Ohya, Masaki; and Nishimoto, Yoshiharu, 4,883,693, Cl. 428-34.900.
  - Okada, Yoshio; Nakamura, Tadashi; and Ohhira, Youichi, 4,795,493, Cl. 106-311.000.
  - Okada, Yoshio; Nakamura, Tadashi; and Ohhira, Youichi, 4,822,767, Cl. 503-213.000.
  - Ota, Masanori; Akutsu, Fumio; and Takahashi, Kazuo, 4,886,857, Cl. 525-74.000.
  - Saitoh, Shigeru; and Shimada, Masaki, 4,806,318, Cl. 422-251.000.
  - Sakagami, Teruo; and Fujii, Yasufumi, 4,826,284, Cl. 350-96.340.
  - Satake, Yoshikatsu; Kashiwadate, Ken; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,826,906, Cl. 524-381.000.
  - Satake, Yoshikatsu; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,873,283, Cl. 524-520.000.
  - Satake, Yoshikatsu; Kaneko, Takashi; Kobayashi, Yutaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,886,871, Cl. 528-226.000.
  - Segawa, Susumu; and Tomizawa, Toshikazu, 4,833,016, Cl. 428-317.100.
  - Seo, Ikuo; Sakaguchi, Yasuo; and Kashiwadate, Ken, 4,863,708, Cl. 423-447.200.
  - Shida, Takafumi; Yamazaki, Shiro; and Shinkawa, Hiroyasu, 4,820,334, Cl. 71-92.000.
  - Shigeta, Masatomo; Abe, Hikonori; and Nishiyama, Shinichi, 4,800,887, Cl. 128-639.000.
  - Shiiki, Zenya; Katto, Takayuki; Iizuka, Yo; Iwasaki, Takao; and Kouyama, Toshitaka, 4,795,671, Cl. 428-209.000.
  - Shirakami, Toshiharu; and Sogawa, Akira, 4,827,614, Cl. 128-798.000.
  - Tabushi, Iwao, 4,807,187, Cl. 365-108.000.
  - Takita, Hitoshi; Kimura, Fumihiko; Noda, Sakuo; Mukaida, Yutaka; Nitta, Toyohiko; and Kobayashi, Hidetoshi, 4,841,097, Cl. 560-144.000.
  - Tanonaka, Takayuki; Yamauchi, Takashi; Enari, Hiroyuki; and Konai, Yutaka, 4,814,521, Cl. 568-741.000.
  - Ueba, Hisaaki; and Sunaga, Yoshio, 4,833,027, Cl. 428-364.000.
  - Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, 4,851,395, Cl. 514-54.000.
  - Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.
  - Yoshida, Akio; Ajima, Shigetoshi; Hiruta, Masaru; and Saito, Hatsuo, 4,822,538, Cl. 264-29.400.
  - Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.
  - Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.
- Kurei, Hiroshi; Arai, Akihiro; and Kobayashi, Takumi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Apparatus for kinematic linkage in interchangeable lens type of camera. 4,860,043, 8-22-89, Cl. 354-286.000.
- Kurek, Raymond H., to Automatic Systems, Inc. Traction wheel turn for power and free conveyor. 4,850,281, 7-25-89, Cl. 104-94.000.
- Kurek, Wladyslaw; and Startek, Andrzej. Internal combustion engine. 4,803,964, 2-14-89, Cl. 123-197.0AC.
- Kurematsu, Katsumi: *See—*
  - Sakemi, Yuji; and Kurematsu, Katsumi, 4,844,006, Cl. 118-658.000.
- Kurematsu, Kazuhiko: *See—*
  - Sakamoto, Tsuguo; Kurematsu, Kazuhiko; Mikogami, Yukihiro; Suzuki, Shuichi; and Thai, Cao M., 4,829,134, Cl. 525-523.000.
- Kurematsu, Masayuki; and Koboshi, Shigeharu, to Konishiroku Photo Industry Co., Ltd. Image stabilizer for silver halide photographic material comprising water soluble bismuth compound. 4,845,015, 7-4-89, Cl. 430-372.000.
- Kurematsu, Masayuki; and Koboshi, Shigeharu, to Konishiroku Photo Industry Co., Ltd. Processing of color photographic material utilizing a stabilizing solution after fixing. 4,855,217, 8-8-89, Cl. 430-372.000.
- Kurematsu, Masayuki; and Koboshi, Shigeharu, to Konishiroku Photo Industry Co., Ltd. Method for processing of silver halide color photographic material with dialysis treatment. 4,859,575, 8-22-89, Cl. 430-428.000.
- Kurematsu, Masayuki; and Koboshi, Shigeharu, to Konishiroku Photo Industry Co., Ltd. Method of processing light-sensitive silver halide color photographic material comprising combinations of two different sequestering agents and a sensitizing dye. 4,863,837, 9-5-89, Cl. 430-372.000.
- Kurematsu, Masayuki: *See—*
  - Kobayashi, Kazuhiro; Kurematsu, Masayuki; Koboshi, Shigeharu; Goto, Nobutaka; and Takabayashi, Naoki, 4,874,530, Cl. 210-718.000.
  - Koboshi, Shigeharu; and Kurematsu, Masayuki, 4,797,352, Cl. 430-421.000.
  - Koboshi, Shigeharu; Kuse, Satoru; Kurematsu, Masayuki; and Goto, Nobutaka, 4,839,682, Cl. 354-312.000.
- Kures, Vasek J.: *See—*
  - Chapdelaine, Albert H.; Kures, Vasek J.; and Grey, Ronald T., 4,803,083, Cl. 426-3.000.
- Kurfess, Franz: *See—*
  - Thinschmidt, Hans; and Kurfess, Franz, 4,809,363, Cl. 455-612.000.
- Kurgan, Rosemary D. Graphic art skill development puzzle kit. 4,828,497, 5-9-89, Cl. 434-96.000.
- Kurhi, Jaakko. Mast attachment for quick connect and disconnect. 4,838,189, 6-13-89, Cl. 114-39.100.
- Kuribara, Motoaki: *See—*
  - Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobayashi, Koji; Fujino, Ikuo; Hagiwara, Hiroshi; and Ogino, Seiichi, 4,855,609, Cl. 290-48.000.
- Kuribayashi, Hideyuki: *See—*
  - Doi, Toshiki; Shinonaga, Hideo; and Kuribayashi, Hideyuki, 4,816,340, Cl. 428-424.800.
- Kuribayashi, Hiroshi: *See—*
  - Kurumada, Norimitsu; Kuribayashi, Hiroshi; Shibata, Setsuo; Wakabayashi, Toshikatsu; Hasegawa, Akira; and Shibuya, Mamoru, 4,800,042, Cl. 252-628.000.
- Kuribayashi, Kiyoshi; Umetani, Makoto; Monji, Hideto; and Aoki, Masaki, to Matsushita Electric Industrial Co., Ltd. Method of manufacturing molds for molding optical glass elements and diffraction gratings. 4,842,633, 6-27-89, Cl. 65-44.000.
- Kuribayashi, Tetsuya: *See—*
  - Uchida, Mitsuru; Yasuda, Satoshi; and Kuribayashi, Tetsuya, 4,873,185, Cl. 430-903.000.
  - Uchide, Hitoshi; Kuribayashi, Tetsuya; and Ohno, Masaaki, 4,868,084, Cl. 430-110.000.
- Kuribayashi, Yoshihiro; and Sueoka, Kazuomi, to Fundokin Shoyu Kabushiki Kaisha. Method for producing quasi-natural cheese fermented foods. 4,855,148, 8-8-89, Cl. 426-46.000.
- Kuribayashi, Yoshikazu: *See—*
  - Yamamoto, Yujiro; Ogawa, Takahiro; and Kuribayashi, Yoshikazu, 4,826,879, Cl. 514-657.000.
- Kurihara, Akira, to Jakob Schlaepfer & Co. AG. Apparatus for transferring and placing decorative articles. 4,842,673, 6-27-89, Cl. 156-541.000.

- Kurihara-Bergstrom, Tamie; Good, William R.; and Ebert, Charles D., to Ciba-Geigy Corporation. Transdermal administration of a systemic active agent to a premature neonatal infant. 4,853,227, 8-1-89, Cl. 424-443.000.
- Kurihara, Haruki: *See—*
  - Matsumoto, Kenji; and Kurihara, Haruki, 4,879,724, Cl. 372-46.000.
- Kurihara, Haruto; and Uchida, Koji, to Mazda Motor Corporation. Method of mounting a torque converter on a transmission. 4,887,344, 12-19-89, Cl. 29-468.000.
- Kurihara, Hiroshi: *See—*
  - Shigaki, Masafumi; Kurihara, Hiroshi; and Nishi, Hidetoshi, 4,855,895, Cl. 363-157.000.
- Kurihara, Hiroshi; Suzuki, Kenichi; and Minoura, Kazuo, to Canon Kabushiki Kaisha; and Canon Denshi Kabushiki Kaisha. Apparatus for recording and reproducing information. 4,825,059, 4-25-89, Cl. 235-483.000.
- Kurihara, Jun'ichi: *See—*
  - Hirosawa, Toshio; Kurihara, Jun'ichi; and Okumura, Shigemi, 4,812,967, Cl. 364-200.000.
- Kurihara, Katsuhiko: *See—*
  - Tazawa, Shunsuke; Kurihara, Katsuhiko; Takeuchi, Kenji; and Abe, Mitsuaki, 4,795,779, Cl. 524-598.000.
- Kurihara, Kazumasa; and Arai, Kenji, to Diesel Kiki Co., Ltd. Automatic transmission system for vehicles. 4,825,993, 5-2-89, Cl. 192-0.092.
- Kurihara, Kazumasa; and Arai, Kenji, to Diesel Kiki Co., Ltd. Apparatus for controlling vehicle having an automatic transmission system. 4,838,397, 6-13-89, Cl. 192-0.044.
- Kurihara, Kazumasa, to Nifco, Inc. Synthetic resin rivet. 4,840,522, 6-20-89, Cl. 411-44.000.
- Kurihara, Kazumasa; and Arai, Kenji, to Diesel Kiki Co., Ltd. Automatic transmission system. 4,848,529, 7-18-89, Cl. 192-0.076.
- Kurihara, Kazumasa, to Nifco, Inc. Fuel filter for motor vehicle. 4,851,118, 7-25-89, Cl. 210-315.000.
- Kurihara, Kazumasa; and Arai, Kenji, to Diesel Kiki Co., Ltd. Apparatus for generating acceleration signal for backup. 4,862,362, 8-29-89, Cl. 364-424.100.
- Kurihara, Kazumasa; Takahashi, Seiji; and Kaneko, Yoshio, to Nifco Inc. Expanding plastic fastener. 4,878,791, 11-7-89, Cl. 411-55.000.
- Kurihara, Kazumasa: *See—*
  - Akira, Mizusawa; and Kurihara, Kazumasa, 4,874,510, Cl. 210-172.000.
  - Arai, Kenji; Kurihara, Kazumasa; and Oshizawa, Hidekazu, 4,807,132, Cl. 364-424.100.
- Kurihara, Kenichi: *See—*
  - Kameda, Masahiro; Kamei, Yojiro; and Kurihara, Kenichi, 4,890,151, Cl. 357-65.000.
- Kurihara, Kenji, to Nissan Motor Co., Ltd. Remotely controlled mirror device of wire type. 4,876,911, 10-31-89, Cl. 74-502.100.
- Kurihara, Kunihiko: *See—*
  - Koyama, Masao; Iwata, Michiaki; Kurihara, Kunihiko; and Sezaki, Masaji, 4,839,378, Cl. 514-417.000.
- Kurihara, Masaki: *See—*
  - Futamura, Shoji; and Kurihara, Masaki, 4,800,248, Cl. 219-69.00S.
- Kurihara, Masaru: *See—*
  - Sasaki, Tatsuo; Fujimaki, Hideo; Uemura, Tadahiro; and Kurihara, Masaru, 4,857,363, Cl. 427-245.000.
- Kurihara, Motoshi; and Matoba, Tsukasa, to Kabushiki Kaisha Toshiba. Position and image inputting unit. 4,818,978, 4-4-89, Cl. 340-706.000.
- Kurihara, Naoya: *See—*
  - Takeuchi, Hirosato; Miyazaki, Osahiko; Kazama, Yasuo; and Kurihara, Naoya, 4,832,170, Cl. 198-346.100.
- Kurihara, Norimitsu; and Asakura, Masahiko, to Honda Giken Kogyo Kabushiki Kaisha; and Mitsuba Electric Mfg. Co. Ltd. Cruise control system. 4,885,692, 12-5-89, Cl. 364-426.040.
- Kurihara, Norimitsu: *See—*
  - Tanaka, Akira; and Kurihara, Norimitsu, 4,868,409, Cl. 307-10.500.
- Kurihara, Sakuo, to Tochigi-Fuji Sangyo Kabushiki Kaisha. Hub clutch. 4,811,824, 3-14-89, Cl. 192-35.000.
- Kurihara, Sakuo, to Tochigi-Fuji Sangyo Kabushiki Kaisha. Hub clutch. 4,854,434, 8-8-89, Cl. 192-35.000.
- Kurihara, Takao; and Hamatsu, Masahiro, to Clarion Co., Ltd. Maximum length linearly recurring sequence generator control device. 4,845,726, 7-4-89, Cl. 377-33.000.
- Kurihara, Takao; and Hamatsu, Masahiro, to Clarion Co., Ltd. Maximum length shift register sequence generator. 4,864,525, 9-5-89, Cl. 364-717.000.
- Kurihara, Takashi: *See—*
  - Miyoshi, Makato; Uchida, Koh; and Kurihara, Takashi, 4,830,131, Cl. 180-141.000.
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makato, 4,844,126, Cl. 137-625.210.
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,846,296, Cl. 180-140.000.
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,852,462, Cl. 91-375.00A.
  - Uchida, Koh; and Kurihara, Takashi, 4,860,635, Cl. 91-375.00A.
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,860,846, Cl. 180-141.000.
  - Uchida, Koh; Kurihara, Takashi; Miyoshi, Makoto; and Kai, Hirohide, 4,862,965, Cl. 180-141.000.
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,875,542, Cl. 180-142.000.
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,884,648, Cl. 180-142.000.
  - Yamane, Ryozo; Kurihara, Takashi; Kaise, Hiroshi; Komatsubara, Takeo; and Sunaga, Takashi, 4,800,013, Cl. 208-19.000.
- Kurihara, Tatsuo: *See—*
  - Clements, Brice P.; Kurihara, Tatsuo; Marshall, Sammy D.; and Syrowatka, Rupert, 4,857,193, Cl. 210-396.000.
- Kurihara, Toshihiko; Araki, Yoshitsugu; and Funabashi, Tadashi, to Pioneer Electronic Corporation. Optical disc reading apparatus. 4,831,612, 5-16-89, Cl. 369-75.200.
- Kurihara, Toshihiko; and Funabashi, Tadashi, to Pioneer Electronic Corporation. Disk clamping device. 4,841,517, 6-20-89, Cl. 369-270.000.
- Kuriki, Nobuharu: *See—*
  - Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.
- Kurimoto, Isao; Yamamoto, Hiroki; and Yamaguchi, Tetsuo, to Sumitomo Chemical Company, Limited. Novel ammonium salt useful as modifiers for rubber. 4,885,322, 12-5-89, Cl. 524-82.000.
- Kurimoto, Isao: *See—*
  - Iwasa, Tadanobu; Sasayama, Masataka; Ohashi, Masaki; and Kurimoto, Isao, 4,866,101, Cl. 521-95.000.
- Kurimoto, Junichi: *See—*
  - Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.
- Kurimoto, Ltd.: *See—*
  - Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.
  - Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.
  - Kobayashi, Toshiro, 4,867,804, Cl. 148-3.000.
  - Miyake, Katsunobu; Horii, Hiroshi; and Ikoma, Kenji, 4,805,874, Cl. 251-306.000.
  - Nishio, Masakazu; and Asaka, Akira, 4,833,820, Cl. 47-1.100.
- Kurimoto, Munehito, to Sherwood Medical Company. Enteral feeding and suction tube assembly. 4,828,550, 5-9-89, Cl. 604-171.000.
- Kurimoto, Takashi: *See—*
  - Nakamura, Moritaka; and Kurimoto, Takashi, 4,798,650, Cl. 156-643.000.
- Kurimoto, Yoshiyuki: *See—*
  - Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, 4,808,587, Cl. 514-258.000.
  - Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, 4,808,618, Cl. 514-258.000.
- Kurimoto, Yukuo; and Endo, Takayoshi, to Tokyo Electric Co., Ltd. POS register system with combined optical scanner and weighing machine. 4,879,650, 11-7-89, Cl. 364-405.000.
- Kurimura, Masaaki; Yabe, Ryohei, and Shindo, Isao, to Hitachi, Ltd. Apparatus and method for specimen inspection. 4,807,984, 2-28-89, Cl. 350-529.000.
- Kurimura, Masaaki: *See—*
  - Sakuraba, Shinichi; Matsushita, Hajime; and Kurimura, Masaaki, 4,847,910, Cl. 382-6.000.
- Kurio, Noriyuki: *See—*
  - Yamamoto, Nobuhiro; and Kurio, Noriyuki, 4,826,410, Cl. 418-84.000.
- Kurio, Shinji: *See—*
  - Mizuno, Yasuo; Nishino, Atsushi; Ikeda, Masaki; and Kurio, Shinji, 4,855,261, Cl. 501-76.000.
- Kurisu, Masayoshi: *See—*
  - Todo, Akira; Kimura, Toshio; and Kurisu, Masayoshi, 4,834,819, Cl. 156-73.100.
- Kurisu, Shingo; Omori, Shunji; Takenaka, Hiroyuki; Egawa, Tsuneo; Mitsunaga, Takuro; and Kiyama, Nobuo, to Mitsubishi Jukogyo Kabushiki Kaisha. Method and apparatus for machining the side edge surface of a web plate. 4,799,836, 1-24-89, Cl. 409-138.000
- Kurisu, Shunji: *See—*
  - Yokoyama, Hirotaka; Ido, Tadashi; Maeda, Tatsumi; and Kurisu, Shunji, 4,837,092, Cl. 428-694.000.
- Kurisu, Tetsuo: *See—*
  - Kakumoto, Shigeru; Sumi, Tatsuo; and Kurisu, Tetsuo, 4,841,443, Cl. 364-413.010.
- Kurisu, Toru; and Kodama, Tuneo, to Mazda Motor Corporation. Engine valve operating apparatus. 4,878,462, 11-7-89, Cl. 123-90.170.
- Kurisu, Yoshitaka: *See—*
  - Hashimoto, Masahide; Kurisu, Yoshitaka; Suenaga, Hiroshi; and Katou, Akio, 4,807,448, Cl. 62-376.000.
- Kurita, Atsushi; Matsumoto, Yasuji; and Huy, Sam, to Toshiba Silicone Co., Ltd. Polyorganosiloxane composition. 4,839,452, 6-13-89, Cl. 528-15.000.
- Kurita, Hitoshi: *See—*
  - Ohtsuka, Akinori; Kurita, Hitoshi; and Fujii, Yasutel, 4,872,008, Cl. 341-26.000.
  - Takano, Teruhisa; Kurita, Hitoshi; Fujii, Yasuteru; Suenaga, Haruo; and Yano, Masashi, 4,888,461, Cl. 219-10.55B.
- Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, to Toyo Boseki Kabushiki Kaisha. Polyester fibers having high strength and high modulus and process for producing the same. 4,851,508, 7-25-89, Cl. 528-272.000.
- Kurita, Kazuo; and Ishihara, Hideaki, to Toyo Boseki Kabushiki Kaisha. Process for preparing polyamide fibers having improved properties. 4,859,389, 8-22-89, Cl. 264-130.000.

Kurita, Kenji; Matsumoto, Koichi; and Nakazawa, Toshihiko, to Canon Kabushiki Kaisha. Data communication apparatus for data and/or speech communication on a plurality of communication lines. 4,825,461, 4-25-89, Cl. 379-93.000.

Kurita, Kikuo, to Minolta Camera Kabushiki Kaisha. Proportional spacing display apparatus. 4,864,518, 9-5-89. Cl. 364-521.000.

Kurita, Kozaburo: *See—*
- Ueno, Masahiro; Kurita, Kozaburo; Masuda, Ikuro; and Miyakawa, Nobuaki, 4,797,583, Cl. 307-475.000.
- Ueno, Masahiro; Iwamura, Masahiro; Kurita, Kozaburo; and Masuda, Ikuro, 4,801,983, Cl. 357-15.000.

Kurita Machinery Manufacturing Company Ltd.: *See—*
- Kurita, Tetsuya, 4,842,733, Cl. 210-225.000.
- Kurita, Tetsuya; Takashima, Atsushi; and Shibasaki, Katsutami, 4,883,592, Cl. 210-227.000.

Kurita, Masaru: *See—*
- Izumida, Satoshi; Kitamura, Katsumi; Kurita, Masaru; and Tanaka, Yasuo, 4,834,458, Cl. 297-459.000.

Kurita, Masaya; and Kanzaki, Katsuya, to Fuji Electric Company Ltd. Fluid bed system. 4,794,659, 1-3-89, Cl. 5-453.000.

Kurita, Naoki: *See—*
- Sasaki, Yoshinari; Oda, Etsuji; Nagata, Hirozumi; Kurita, Naoki; and Maehara, Hiroyuki, 4,820,464, Cl. 264-40.100.

Kurita, Seiji: *See—*
- Saeki, Tadashi; Ikawa, Kiyoshi; Kurita, Seiji; and Ueno, Katsuji, 4,824,905, Cl. 525-66.000.

Kurita, Shuji: *See—*
- Higuchi, Shigetaka; Noguchi, Isao; Kurita, Shuji; and Kodachi, Yasutomo, 4,819,322, Cl. 29-605.000.

Kurita, Tetsuya, to Kurita Machinery Manufacturing Company Ltd. Filter plate of filter press. 4,842,733, 6-27-89, Cl. 210-225.000.

Kurita, Tetsuya; Takashima, Atsushi; and Shibasaki, Katsutami, to Kurita Machinery Manufacturing Co., Ltd. Filter Press. 4,883,592, 11-28-89, Cl. 210-227.000.

Kurita, Toshinori; Enomoto, Masaaki; and Nagamatsu, Hidetoshi, to Toyoda Gosei Co., Ltd. Method and apparatus for removing flash of polymeric molded products. 4,836,722, 6-6-89, Cl. 409-132.000.

Kurita, Toshiyuki: *See—*
- Murata, Toshinori; Arai, Ikuya; Kurita, Toshiyuki; and Nakagawa, Isao, 4,860,090, Cl. 358-21.00R.
- Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, 4,821,112, Cl. 358-17.000.

Kurita Water Industries, Ltd.: *See—*
- Hashimoto, Masanori; Yamamoto, Takeshi; Kawachi, Toru; Kuwashima, Junji; and Kitaoka, Hirokazu, 4,885,168, Cl. 424-95.000.
- Joukou, Isao; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,880,774, Cl. 512-2.000.
- Kobayashi, Kenji; Kaneko, Ichiro; Kobayashi, Masahiro; and Nakano, Shinji, 4,877,535, Cl. 210-701.000.
- Motozato, Yoshiaki, 4,882,426, Cl. 536-114.000.
- Sawada, Shigeki; and Shishido, Masaaki, 4,834,881, Cl. 210-321.740.
- Toda, Fumio; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,818,771, Cl. 514-616.000.

Kurita, Yasuo; Kokabu, Masaaki; and Uemoto, Katsunori, to Ashimori Industry Co., Ltd. Belt tightener. 4,809,953, 3-7-89, Cl. 254-250.000.

Kuriyama, Akimasa, to Kabushiki Kaisha Kobe Seiko Sho. Dust seal assembly for use in a closed type mixer and its control mechanism. 4,824,259, 4-25-89, Cl. 366-349.000.

Kuriyama, Akira; and Yamaguchi, Mikiko, to Sunstar Giken Kabushiki Kaisha. Polycondensable macromonomer from vinyl monomer and mercapto compound. 4,818,804, 4-4-89, Cl. 526-211.000.

Kuriyama, Akira, to Sunstar Giken Kabushiki Kaisha. Continuous photochemical reactor. 4,849,183, 7-18-89, Cl. 422-136.000.

Kuriyama, Akira; and Okuno, Tatsuya, to Sunstar Giken Kabushiki Kaisha. Epoxy resin composition. 4,851,481, 7-25-89, Cl. 525-454.000.

Kuriyama, Haruo: *See—*
- Sato, Nobukatsu; Kuriyama, Haruo; and Agoh, Masanobu, 4,818,761, Cl. 514-341.000.

Kuriyama, Hiroshi: *See—*
- Kumasaka, Hideyuki; Takao, Kouji; and Kuriyama, Hiroshi, 4,881,756, Cl. 280-785.000.

Kuriyama, Hirotada; Wada, Tomohisa; and Murakami, Shuuji, to Mitsubishi Denki Kabushiki Kaisha. Protection circuit for a semiconductor integrated circuit having bipolar transistors. 4,811.155, 3-7-89, Cl. 361-56.000.

Kuriyama, Hiroyuki: *See—*
- Nakashima, Saburo; Nakayama, Shoichiro; Noguchi, Shigeru; Nakano, Shoichi; Kuwano, Yukinori; Watanabe, Kaneo; and Kuriyama, Hiroyuki, 4,831,429, Cl. 357-30.000.

Kuriyama, Katsumi; Hanada, Kazuyuki; Nakamura, Susumu; Misaizu, Iwao; Kashimura, Masashi; and Goto, Tomoko, to Dainichiseika Color & Chemicals Mfg. Co., Ltd.; and Ukima Colour & Chemicals Mfg. Co., Ltd. Heat-sensitive recording medium. 4,837,198, 6-6-89, Cl. 503-227.000.

Kuriyama, Katsumi: *See—*
- Hanada, Kazuyuki; Misaizu, Iwao; Kashimura, Masashi; Goto, Tomoko; and Kuriyama, Katsumi, 4,853,418, Cl. 521-154.000.

Kuriyama, Kazumi; Takasu, Yutaka; Kono, Shigeru; Koshio, Chiharu; and Nagata, Kazuhiko, to Pioneer Electronic Corporation. Flow processing system. 4,850,791, 7-25-89, Cl. 414-750.000.

Kuriyama, Kazumi; Kono, Shigeru; Takasu, Yutaka; Koshio, Chiharu; and Nagata, Kazuhiko, to Pioneer Electronic Corporation. Apparatus for detecting faults on the surface of a resist master disc and measuring the thickness of the resist coating layer. 4,865,445, 9-12-89, Cl. 356-73.000.

Kuriyama, Kazunori; Shintani, Yooichi; Yamaoka, Akira; Shonai, Tohru; Kamada, Eiki; and Inoue, Kiyoshi, to Hitachi, Ltd. Pipelined data processor capable of decoding and executing plural instructions in parallel. 4,858,105, 8-15-89, Cl. 364-200.000.

Kuriyama, Mitsuo: *See—*
- Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.

Kuriyama, Shunichi, to Sanyo Electric Co., Ltd. Liquidproof battery-powered appliance. 4,835,452, 5-30-89, Cl. 320-2.000.

Kuriyama, Sumio: *See—*
- Otsuka, Masasuke; Kuriyama, Sumio; and Maniwa, Hideyo, 4,828,420, Cl. 401-268.000.

Kuriyama, Takayuki: *See—*
- Takahashi, Younosuke; and Kuriyama, Takayuki, 4,883,741, Cl. 430-270.000.

Kuriyama, Toshihiro, to Alps Electric Co., Ltd. Floating magnetic head. 4,796,133, 1-3-89, Cl. 360-119.000.

Kuriyama, Zenkichi; Aoba, Masaho; and Takeuchi, Teruo, to Anritsu Corporation; Yuasa Shoji Co.; and Dan Co., Ltd. Technique for automatic tracking of cassette rentals and managing of information related thereto. 4,839,875, 6-13-89, Cl. 369-14.000.

Kurka, Peter; and Goetze, Leppold, to Bayer Aktiengesellschaft. Agents for the prevention of ranking fights in pigs. 4,879,290, 11-7-89, Cl. 514-223.200.

Kurkela, Kauko O. A.: *See—*
- Karjalainen, Arto J.; and Kurkela, Kauko O. A., 4,826,864, Cl. 514-396.000.

Kurkjian, Charles R.: *See—*
- Bagley, Brian G.; Kurkjian, Charles R.; and Quinn, William E., 4,835,057, Cl. 428-391.000.

Kurkowski, Frank; and Lucht, Manfred, to Philips and DuPont Optical Company. Machine for assembling a container. 4,852,327, 8-1-89, Cl. 53-201.000.

Kurkowski, Hal: *See—*
- Pathak, Jagdish; Douglas, Stephen M.; Kurkowski, Hal; and Vider, Dov-Ami, 4,851,720, Cl. 307-530.000.

Kurland, Heinrich: *See—*
- Schaper, Helmut; and Kurland, Heinrich, 4,802,925, Cl. 127-19.000.
- Schaper, Helmut; and Kurland, Heinrich, 4,804,419, Cl. 127-19.000.

Kurlat, Gitta M.: *See—*
- Massa, Donald P., 4,868,799, Cl. 367-172.000.
- Massa, Frank, 4,859,897, Cl. 310-334.000.

Kurmeier, Hans A.: *See—*
- Pohl, Ludwig; Scheuble, Bernhard; Hittich, Reinhard; Eidenschink, Rudolf; Kurmeier, Hans A.; and Wachtler, Andreas, 4,846,998, Cl. 252-299.630.

Kurmeier, Hans-Adolf: *See—*
- Reiffenrath, Volker; Krause, Joachim; Geelhaar, Thomas; Eidenschink, Rudolf; Kurmeier, Hans-Adolf; Poetsch, Eike; Scheuble, Bernhard; and Weber, Georg, 4,871,469, Cl. 252-299.610.

Kurmer, John P.: *See—*
- Wille, Douglas A.; Kurmer, John P.; and Rosen, Arye, 4,825,081, Cl. 250-551.000.

Kurn, Nurith; Bahl, Chander; and Ullman, Edwin F., to Syntex (U.S.A.) Inc. Homogeneous assay for specific polynucleotides. 4,868,104, 9-19-89, Cl. 435-6.000.

Kurn, Peter A.: *See—*
- Coleman, Raymond L.; and Kurn, Peter A., 4,857,856, Cl. 324-547.000.

Kurobe, Atsushi: *See—*
- Furuyama, Hideto; and Kurobe, Atsushi, 4,810,670, Cl. 437-129.000.

Kurobe, Toshio; Kasai, Masayoshi; and Kayano, Masanori, to Eisai Co. Ltd. Stable, effervescent vaginal suppositories. 4,853,211, 8-1-89, Cl. 424-44.000.

Kuroda, Akihiro; Nishimura, Masafumi; and Sugawara, Kazuhide, to International Business Machines Corporation. Speech recognition method. 4,829,577, 5-9-89, Cl. 381-45.000.

Kuroda, Fumihiko, to Kabushiki Kaisha Toshiba. Method for forming an impurity region in semiconductor devices by out-diffusion. 4,797,371, 1-10-89, Cl. 437-2.000.

Kuroda, Hideo; and Taniguchi, Masao, to Bando Chemical Industries, Ltd. Pressure sensitive adhesives with reducible adhesive force using radiation, and films therewith. 4,818,621, 4-4-89, Cl. 428-424.600.

Kuroda, Hideo: *See—*
- Hashimoto, Hideo; Kuroda, Hideo; Kikuchi, Hiroaki; and Murakami, Tokumichi, 4,811,265. Cl. 364-730.000.

Kuroda, Hiroshi: *See—*
- Wada, Toshimichi; Kuroda, Hiroshi; Ishikawa, Tomihisa; and Mori, Yoshimichi, 4,820,492, Cl. 422-111.000.

Kuroda, Hiroyuki: *See—*
- Hino, Takashi; Naito, Tsutomu; Kuroda, Hiroyuki; Tsushima, Eiki; and Nomura, Tomio, 4,822,587, Cl. 423-447.100.

Kuroda, Ichiro, to NEC Corporation. Apparatus for conversion between IEEE standard floating-point numbers and two's complement floating-point numbers. 4,831,575, 5-16-89, Cl. 364-748.000.

Kuroda, Ichiro: *See—*
- Nishitani, Takao; Kuroda, Ichiro; Tanaka, Hideo; and Sugahara, Kyosuke, 4,817,047, Cl. 364-754.000.

Kuroda, Katsuhiko; and Yamanouchi, Hideki, to Mitsubishi Chemical Industries Limited. Liquid separating agent and liquid separating method. 4,828,720, 5-9-89, Cl. 210-782.000.

Kuroda, Kazuhiro; Tanaka, Kazushi; and Azegami, Hitoshi, to TDK Corporation. Magnetic recording medium. 4,837,083, 6-6-89, Cl. 428-329.000.

Kuroda, Kazuhisa: *See—*
- Fukui, Yoshiharu; Kuroda, Kazuhisa; Ishii, Tamaki; and Sasaki, Manji, 4,839,408, Cl. 524-100.000.

Kuroda, Kazuo, to Pioneer Electronic Corporation. Y/C separator circuit for separating luminance and chrominance signals conditioned on an ac luminance component. 4,862,252, 8-29-89, Cl. 358-31.000.

Kuroda, Kazuo: *See—*
- Grinde, James E.; and Kuroda, Kazuo, 4,836,123, Cl. 114-270.000.

Kuroda, Kazuyuki: *See—*
- Kato, Chuzo; and Kuroda, Kazuyuki, 4,875,762, Cl. 350-357.000.

Kuroda, Kiyoshi: *See—*
- Taguchi, Katsuhiko; Imamiya, Yoshimi; Takegawa, Yuji; Kuroda, Kiyoshi; and Arashi, Sotonari, 4,848,606, Cl. 222-333.000.

Kuroda, Kotaro: *See—*
- Uchida, Yoshihiko; Kuroda, Kotaro; Kusano, Akihiko; and Fukunaga, Shinichi, 4,839,317, Cl. 501-108.000.

Kuroda, Masami; Nakamura, Yoichi; and Furusho, Noboru, to Fuji Electric Company, Ltd. Electrophotographic photosensitive material containing hydrazone compound. 4 861,691, 8-29-89, Cl. 430-59.000.

Kuroda, Masami; Nakamura, Yoichi; and Furusho, Noboru, to Fuji Electric Company, Ltd. Electrophotographic photosensitive material containing thiophene compound. 4,861,692, 8-29-89, Cl. 430-59.000.

Kuroda, Masami; Hattori, Yoshimasa; Furusho, Noboru; and Sugata, Yoshinobu, to Fuji Electric Co., Ltd. Photoconductor for electrophotography having a squarylium charge generating dye. 4,877,703, 10-31-89, Cl. 430-76.000.

Kuroda, Masayuki: *See—*
- Leonard, Vurnen J.; and Kuroda, Masayuki, 4,885,652, Cl. 360-133.000.

Kuroda, Michio: *See—*
- Iizuka, Nobuyuki; Kumata, Kazuhiko; and Kuroda, Michio, 4,872,312, Cl. 60-760.000.
- Sugita, Shigehisa; Koyama, Kazuhito; Shiina, Koji; Sakaguchi, Seiichiro; Kuroda, Michio; and Noguchi, Yoshiki, 4,820,594, Cl. 429-17.000.

Kuroda, Nobuyoshi: *See—*
- Tanaka, Hozumi; Aoyama, Hiroshi; Kuroda, Nobuyoshi; and Ito, Takumi, 4,852,074, Cl. 369-53.000.

Kuroda, Nobuyuki: *See—*
- Tajima, Yoshio; Nomiyama, Kazutosi; Shimo, Yoshiyuki; Kuroda, Nobuyuki; and Matsuura, Kazuo, 4,835,219, Cl. 525-240.000.

Kuroda Seiko Company Limited: *See—*
- Hozumi, Kazuhiro; Arai, Masaru; and Saito, Yoshitane, 4,889,164, Cl. 137-625.640.
- Kobara, Motonori, 4,810,138, Cl. 408-139.000.
- Nakanishi, Koji; Yoshino, Mituo; and Saito, Yoshitane, 4,854,346, Cl. 137-624.110.

Kuroda, Shigenori: *See—*
- Takechi, Moriaki; Watanabe, Tsugio; and Kuroda, Shigenori, 4,800,355, Cl. 335-301.000.

Kuroda, Shigeo: *See—*
- Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihisa; Kuroda, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, 4,819,054, Cl. 357-49.000.

Kuroda, Shigeru: *See—*
- Yamashita, Yoshimi; Kosemura, Kinjiro; Ishiwari, Hidetoshi; Yamamoto, Sumio; and Kuroda, Shigeru, 4,849,368, Cl. 437-41.000.

Kuroda, Sigenori: *See—*
- Yamasaki, Akinori; Kuroda, Sigenori; and Oue, Tatsuya, 4,868,531. Cl. 335-216.000.

Kuroda, Sizuo: *See—*
- Takuma, Keisuke; Kuroda, Sizuo; Oyama, Tsukasa; and Aiga, Hiroshi, 4,883,611, Cl. 552-235.000.

Kuroda, Takaaki: *See—*
- Asada, Toshiyuki; Kubo, Seitoku; Nakamura, Shinya; Kinoshita, Masafumi; and Kuroda, Takaaki, 4,879,921, Cl. 74-467.000.

Kuroda, Takafumi: *See—*
- Suwa, Takeshi; and Kuroda, Takafumi, 4,853,819, Cl. 361-47.000.

Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Semiconductor device and method of manufacturing the same. 4,814,838, 3-21-89, Cl. 357-22.000.

Kuroda, Takao; Watanabe, Akiyoshi; Tsuji, Shinji; Ohishi, Akio; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Semiconductor device. 4,819,036, 4-4-89, Cl. 357-4.000.

Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Electron gas hole gas tunneling transistor device. 4,835,581, 5-30-89, Cl. 357-16.000.

Kuroda, Takayuki: *See—*
- Ohtake, Etsuo; Yamaki, Kaoru; and Kuroda, Takayuki, 4,878,973, Cl. 156-85.000.

Kuroda, Tokuyuki: *See—*
- Shida, Yasushi; Kuroda, Tokuyuki; Matsukuma, Ikuo; Morimoto, Makoto; and Ashizawa, Tadashi, 4,863,935, Cl. 514-322.000.

Kuroda, Toshihisa: *See—*
- Nishimura, Shigeru; Kuroda, Toshihisa; and Aoki, Shin-ichiro, 4,805,018, Cl. 358-105.000.
- Nishimura, Shigeru; Kuroda, Toshihisa; and Kawata, Koichi, 4,847,688, Cl. 358-125.000.

Kuroda, Tsuyoshi: *See—*
- Araki, Kazuhiko; Kuroda, Tsuyoshi; Uemori, Satoru; Moriguchi, Akihiko; and Ikeda, Yoshifumi, 4,889,857, Cl. 514-235.200.

Kuroda, Yasuo: *See—*
- Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,861,905, Cl. 556-40.000.
- Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,864,043, Cl. 556-40.000.

Kuroda, Yoshio: *See—*
- Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.

Kuroe, Akio, to Matsushita Electric Industrial Co., Ltd. Magnetic recording mediums for high density recording comprising an improved structure of a magnetic layer. 4,837,080, 6-6-89, Cl. 428-323.000.

Kuroe, Akio: *See—*
- Satomi, Mitsuo; Kuroe, Akio; Sawai, Eisuke; Higashionji, Masaru; Sakakima, Hiroshi; and Kondo, Kenji, 4,841,401, Cl. 360-125.000.

Kurogama, Tatsuji: *See—*
- Kawai, Masanori; Murakami, Kiyotaka; Kurogama, Tatsuji; and Watanabe, Mitsuru, 4,819,083, Cl. 358-294.000.

Kuroi, Nobuomi: *See—*
- Kuwamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, 4,883,606, Cl. 252-32.500.

Kuroishi, Kazuo: *See—*
- Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.

Kuroishi, Masayuki: *See—*
- Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,814,252, Cl. 430-138.000.
- Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,861,696, Cl. 430-138.000.
- Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,865,941, Cl. 430-138.000.
- Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,871,642, Cl. 430-138.000.
- Tamagawa, Shigehisa; and Kuroishi, Masayuki, 4,871,643, Cl. 430-138.000.
- Tamagawa, Shigehisa; Kuroishi, Masayuki; and Fuchizawa, Tetsuro, 4,876,170, Cl. 430-138.000.

Kuroishi, Nobuhito: *See—*
- Itoh, Yoshiaki; Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, 4,830,820, Cl. 419-23.000.
- Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, 4,818,308, Cl. 148-437.000.

Kuroishi, Tetujiro: *See—*
- Yokoyama, Shigeki; Kamiya, Takeshi; Niikawa, Takeo; Nagase, Masakatsu; and Kuroishi, Tetujiro, 4,812,355, Cl. 428-215.000.

Kuroiwa, Akihiko: *See—*
- Miyazaki, Masanori; and Kuroiwa, Akihiko, 4,808,902, Cl. 318-798.000.

Kuroiwa, Hiroshi; Oyama, Yoshishige; and Nogi, Toshiharu, to Hitachi, Ltd. Control apparatus for internal combustion engines. 4,887,574, 12-19-89, Cl. 123-425.000.

Kuroiwa, Junko: *See—*
- Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.

Kuroiwa, Katsumasa; Katayama, Katsuhiro; and Nagasawa, Takeshi, to Nitto Boseki Co., Ltd. Novel method for determining cholinesterase activity. 4,861,713, 8-29-89, Cl. 435-20.000.

Kuroiwa, Katsumasa: *See—*
- Abe, Yoshihito; Yaginuma, Katsuhiro; Nagasawa, Takeshi; and Kuroiwa, Katsumasa, 4,883,863, Cl. 530-331.000.
- Nagasawa, Takeshi; Nakamura, Yoshio; Tani, Kenji; and Kuroiwa, Katsumasa, 4,816,562, Cl. 530-331.000.

Kuroiwa, Kazuo. Rolling bearing with rolling retainers. 4,799,807, 1-24-89, Cl. 384-462.000.

Kuroiwa, Kazuo. Rolling bearing with rolling retainer members. 4,799,809, 1-24-89, Cl. 384-522.000.

Kuroiwa, Minoru: *See—*
- Uchida, Kenji; Banba, Nobuyuki; Kuroiwa, Minoru; Saito, Makoto; and Kamino, Yukishige, 4,854,783, Cl. 406-13.000.

Kuroiwa, Tetsuo: *See—*
- Aruga, Akio; Kubota, Ikuya; Kuroiwa, Tetsuo; and Misawa, Yoshisada. 4,844,048, Cl. 126-21.00R.

Kuroiwa, Toshiaki: *See—*
- Minami, Syuji; Kawamoto, Keiji; Kasai, Tetsuji; Kuroiwa, Toshiaki; and Todo, Akira, 4,874,808, Cl. 524-291.000.

Kuroiwa, Yosio: *See—*
- Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.

Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, to Hitachi, Ltd. Process for producing ultra-pure water and process for using said ultra-pure water. 4,879,041, 11-7-89, Cl. 210-640.000.

Kurokawa, Hidefumi, to NEC Corporation. Digital image signal coding/decoding circuit with buffer memory storing reference line as compression codes. 4,800,440, 1-24-89, Cl. 358-260.000.

Kurokawa, Hideo; Mitani, Tsutomu; Odagiri, Masaru; and Yonezawa, Taketoshi, to Matsushita Electric Industrial Co., Ltd. Magnetic recording medium. 4,833,031, 5-23-89, Cl. 428-336.000.

Kurokawa, Hideo; Mitani, Tsutomu; Yokoyama, Kazuo; and Yonezawa, Taketoshi, to Matsushita Electric Industrial Co., Ltd. Magnetic recording medium and method of producing the same. 4,835,070, 5-30-89, Cl. 428-64.000.

Kurokawa, Hideyuki: *See—*

  Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.

Kurokawa, Hitoshi; Nakayama, Kouji; and Takenaka, Hirokazu, to Toa Nenryo Kogyo Kabushiki Kaisha. Ultrasonic vibrator horn. 4,844,343, 7-4-89, Cl. 239-102.200.

Kurokawa, Hitoshi: *See—*

  Ishikawa, Kiyoe; Kokubo, Kakuro; Kurokawa, Hitoshi; Hosogai, Daijiro; and Takenaka, Hirokazu, 4,799,622, Cl. 239-102.200.

Kurokawa, Ikuji: *See—*

  Ito, Kenji; and Kurokawa, Ikuji, 4,805,513, Cl. 84-402.000.

Kurokawa, Jitsuo: *See—*

  Takehara, Sadao; Fujisawa, Toru; Arai, Yoshi; and Kurokawa, Jitsuo, 4,828,754, Cl. 252-299.650.

Kurokawa, Keiko: *See—*

  Tsukahara, Hitoshi; Kurokawa, Keiko; Tsukui, Toshimitsu; and Nagai, Toshitake, 4,876,070, Cl. 422-122.000.

Kurokawa, Kiyoumi: *See—*

  Chigusa, Takehiko; Hashimoto, Hitoshi; Kawamura, Tsunenori; Fukushima, Kazunori; Kurokawa, Kiyoumi; and Miyazaki, Masakatsu, 4,848,321, Cl. 127-61.000.

Kurokawa, Koichi; Ueda, Takeo; and Osumi, Yoshiro, to Nippon Oil and Fats Company, Limited. Method of electrically blasting a plurality of detonators and electric blasting apparatus for use in said method. 4,848,232, 7-18-89, Cl. 102-200.000.

Kurokawa, Masashi: *See—*

  Nomura, Isao; Narita, Kenichi; and Kurokawa, Masashi, 4,822,846, Cl. 524-538.000.

Kurokawa, Masayuki, to American Standard Inc. Method of making molded sanitaryware articles with light transmitting panel. 4,875,958, 10-24-89, Cl. 156-108.000.

Kurokawa, Mikio: *See—*

  Uno, Hitoshi; Kurokawa, Mikio; Sato, Fuminori; Naruto, Shunsuke; and Masuda, Yoshinobu, 4,889,858, Cl. 514-254.000.

Kurokawa, Naohiro; and Abe, Ryoichi, to Hitachi, Ltd. Programmable sequence controller with operation codes partially supplying jump to addresses of machine language instruction. 4,879,678, 11-7-89, Cl. 364-900.000.

Kurokawa, Satoshi; Tayama, Suehiro; and Sato, Fumio, to Mitsubishi Rayon Company, Ltd. Process for preparing a thermoplastic resin. 4,876,306, 10-24-89, Cl. 524-423.000.

Kurokawa, Shunji, to Ricoh Company, Ltd. Facsimile machine having a function of transmitting source and destination information. 4,811,111, 3-7-89, Cl. 358-257.000.

Kurokawa, Shunji, to Ricoh Company, Ltd. Terminal apparatus with a handset using a four pin connector. 4,864,606, 9-5-89, Cl. 379-387.000.

Kurokawa, Takumi; Nagaki, Takeshi; and Sekiguchi, Tomozo, to Pentel Kabushiki Kaisha. Liquid dispenser with valve mechanism and flexible container. 4,867,593, 9-19-89, Cl. 401-186.000.

Kurokawa, Toshio, to Fuji Photo Film Co., Ltd. Magnetic pump of a photographic processing bath. 4,869,657, 9-26-89, Cl. 417-423.140.

Kurokawa, Toshio, to Fuji Photo Film Co., Ltd. Feed roller. 4,889,271, 12-26-89, Cl. 226-186.000.

Kurokawa, Toshio: *See—*

  Kinoshita, Ryoji; Misawa, Keizou; Watanabe, Hideaki; Aoki, Hidehiko; Kurokawa, Toshio; and Ono, Hidefumi, 4,825,617, Cl. 52-573.000.

Kurokawa, Tsukasa: *See—*

  Hanyu, Akinobu; and Kurokawa, Tsukasa, 4,861,327, Cl. 493-415.000.

  Kawana, Fujio; Kurokawa, Tsukasa; and Yoneki, Tadayuki, 4,813,922, Cl. 493-415.000.

Kurokawa, Yasuyoshi, to Sharp Kabushiki Kaisha. Electronic typewriter ribbon lift-up apparatus. 4,840,505, 6-20-89, Cl. 400-697.100.

Kurokawa, Yuji; Yoshikawa, Masataka; Kato, Takao; Kikukawa, Hiroyuki; and Muto, Yukiyoshi, to Brother Kogyo Kabushiki Kaisha. Printer including apparatus for controlling underscore position relative to characters. 4,804,280, 2-14-89, Cl. 400-17.000.

Kurokawa, Yuji; Kikukawa, Hiroyuki; Shimizu, Hiroshi; and Inagi, Tsutomu, to Brother Kogyo Kabushiki Kaisha; and Hitachi Software Engineering Co., Ltd. Word processor with a ruled line display function. 4,849,908, 7-18-89, Cl. 364-518.000.

Kuroki, Junsuke; Takahashi, Tohru; and Ito, Ken, to Nissan Motor Company, Ltd. Automotive suspension system with roll-stabilizer having road condition-dependent torsion modulus, and control of torsional modules. 4,796,911, 1-10-89, Cl. 280-689.000.

Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, to Nippon Steel Corporation. Grain-oriented electromagnetic steel sheet. 4,863,532, 9-5-89, Cl. 148-307.000.

Kuroki, Katsuro: *See—*

  Harase, Jiro; Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, 4,806,176, Cl. 148-111.000.

Kuroki, Kenzi: *See—*

  Kawata, Hideaki; Azuma, Yusaku; Kuroki, Kenzi; and Shigematsu, Osamu, 4,844,680, Cl. 414-331.000.

Kuroki Kogyosho Co., Ltd.: *See—*

  Kuroki, Takanori; and Yoshida, Toshio, 4,795,078, Cl. 228-131.000.

  Kuroki, Takanori, 4,883,292, Cl. 285-55.000.

Kuroki, Masahide: *See—*

  Matsuoka, Yuji; and Kuroki, Masahide, 4,871,834, Cl. 530-387.000.

Kuroki, Masahiro: *See—*

  Matsuura, Masaaki; Ishikawa, Mitsuru; Nakamori, Masaharu; and Kuroki, Masahiro, 4,858,577, Cl. 123-190.00A.

  Matsuura, Masaaki; Nakamori, Masaharu; Kuroki, Masahiro; and Ishikawa, Mitsuru, 4,887,567, Cl. 123-190.00D.

Kuroki, Takanori; and Yoshida, Toshio, to Kuroki Kogyosho Co., Ltd. Method for producing a clad steel pipe. 4,795,078, 1-3-89, Cl. 228-131.000.

Kuroki, Takanori, to Kuroki Kogyosho Co., Ltd. Corrosion resisting steel pipe and method of manufacturing same. 4,883,292, 11-28-89, Cl. 285-55.000.

Kuroki, Takashi: *See—*

  Toda, Gyozo; Kuroki, Takashi; Ishihara, Shousaku; Kanda, Naoya; and Fujita, Tsuyoshi, 4,817,276, Cl. 29-830.000.

Kuroki, Yoichi; and Onoda, Ruri, to Canon Kabushiki Kaisha. Alignment device. 4,830,500, 5-16-89, Cl. 356-401.000.

Kuroki, Yuzuru; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Takagi, Yuuji, to Matsushita Electric Industrial Co., Ltd. Information recording and reproducing apparatus using sectors divided into a plurality of frames and having means for proper storage of the frame data. 4,805,046, 2-14-89, Cl. 360-49.000.

Kuroki, Yuzuru: *See—*

  Fukushima, Yoshihisa; Satoh, Isao; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuuji, 4,885,735, Cl. 369-59.000.

  Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuuji, 4,799,208, Cl. 369-100.000.

  Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,821,254, Cl. 369-54.000.

  Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,823,333, Cl. 369-84.000.

  Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuji, 4,833,663, Cl. 369-32.000.

  Takagi, Yuuji; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Kuroki, Yuzuru, 4,879,704, Cl. 369-14.000.

Kuromatsu, Akio. Machining method employing cutting or grinding by conductive grindstone. 4,849,599, 7-18-89, Cl. 219-69.170.

Kuromatsu Corporation Co., Ltd.: *See—*

  Karita, Takeshi; Saito, Yoshiro; and Kuromatsu, Shunichiro, 4,846,932, Cl. 162-127.000.

Kuromatsu, Shunichiro: *See—*

  Karita, Takeshi; Saito, Yoshiro; and Kuromatsu, Shunichiro, 4,846,932, Cl. 162-127.000.

Kuromitsu, Hiromu; Nakanishi, Nobuyasu; Shirai, Akira; and Noguchi, Noboru, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Hydraulic pump assembly associated with accumulator. 4,840,544, 6-20-89, Cl. 417-254.000.

Kuromitsu, Hiromu: *See—*

  Adachi, Yoshiharu; Nishimura, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, 4,800,289, Cl. 303-119.000.

  Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,834,468, Cl. 303-116.000.

  Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,842,344, Cl. 303-117.000.

  Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,846,535, Cl. 303-117.000.

Kuron Corporation: *See—*

  Kobayashi, Masanori, 4,878,528, Cl. 160-168.100.

  Tsuchida, Eiharu; and Nagasawa, Hisayoshi, 4,802,521, Cl. 160-172.000.

Kurono, Masayasu; Suzuki, Tsunemasa; Kondo, Yasuaki; Hamase, Kenji; Usui, Toshinao; Suzuki, Tomoo; Fukushima, Masato; and Sawai, Kiichi, to Sanwa Kagaku Kenkyusho Co., Ltd. 1,4-dihydropyridine derivatives. 4,824,855, 4-25-89, Cl. 514-356.000.

Kurono, Masayasu; Baba, Yutaka; Mitani, Takahiko; Onishi, Masao; Kondo, Yasuaki; and Sawai, Kiichi, to Sanwa Kagaku Kenkyusho Co., Ltd. Trialkylsilyl pyridinium cephalosporin antibiotics. 4,857,521, 8-15-89, Cl. 514-206.000.

Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, to Sanwa Kagaku Kenkyusho Co., Ltd. Hydantoin derivatives for treating complications of diabetes. 4,861,792, 8-29-89, Cl. 514-389.000.

Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Ozawa, Hiroshi; Mitani, Takahiko; Jomori, Takahito; Koketsu, Masahiko; Michishita, Hisashi; and Sawai, Kiichi, to Sanwa Kagaku Kenkyusho Co., Ltd. Uracil derivatives for use as anti-tumor agents having silicon containing side chains. 4,868,189, 9-19-89, Cl. 514-274.000.

Kurono, Masayasu; Unno, Ryoichi; Matsumoto, Yukiharu; Kondo, Yasuaki; Mitani, Takahiko; Jomori, Takahito; Michishita, Hisashi; and Sawai, Kiichi, to Sanwa Kagaku Kenkyusho Co., Ltd. Organoplatinum complex and use thereof as anti-tumor agent. 4,870,062, 9-26-89, Cl. 514-63.000.

Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, to Sanwa Kagaku Kenkyusho Co., Ltd. Glycyrrhetic acid derivatives and use thereof. 4,871,740, 10-3-89, Cl. 514-255.000.

Kurono, Masayasu: *See—*

  Sawai, Kiichi; Kurono, Masayasu; Awaya, Juichi; Kojima, Akio; and Ninomiya, Hideaki, 4,889,715, Cl. 424-80.000.

Kurono, Yoshikazu: *See—*

  Hashimoto, Miho; Yokoe, Masaaki; Kurono, Yoshikazu; and Hayashi, Koji, 4,841,891, Cl. 112-262.300.

  Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Koji; and Goto, Tomoe, 4,823,714, Cl. 112-262.300.

  Yokoe, Masaaki; Kurono, Yoshikazu; Hayashi, Kouji; and Hashimoto, Miho, 4,849,902, Cl. 364-470.000.

Kuronuma, Junya: *See—*

  Aoki, Hachiro; Kobayashi, Tadashi; Kuronuma, Junya; and Kikuchi, Hideya, 4,881,926, Cl. 474-25.000.

Kuronya, Istvan: *See—*

  Bohus, Peter; Bihari, Ferenc; Kertesz nee Szabo, Marianna; Kuronya, Istvan; Boros, Peter; Szulagyi, Janos; Meszaros, Jeno ; Eifert, Gyula; Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos, Laszlo , 4,806,151, Cl. 71-111.000.

Kurooka, Akira: *See—*

  Baba, Hideki; Maeda, Hirokazu; Kurooka, Akira; and Nago, Atsushi, 4,861,611, Cl. 426-601.000.

Kurosaki, Hiroshi, to Sharp Kabushiki Kaisha. Automatic document feeder for electrophotographic copying machine. 4,851,885, 7-25-89, Cl. 355-308.000.

Kurosaki, Makoto, to Yamaha Corporation. Drum foot pedal apparatus. 4,873,910, 10-17-89, Cl. 84-422.100.

Kurosaki, Mutsuo, to Nifco, Inc. Cord lock. 4,817,250, 4-4-89, Cl. 24-115.00G.

Kurosaki Refractories Co., Ltd.: *See—*

  Hamamatu, Takashi; Sato, Nobuhiro; and Ueno, Haruyuki, 4,832,771, Cl. 156-89.000.

  Kimura, Haruyoshi; Hiraiwa, Yoshitaka; Shiokawa, Hiroyuki; Nagata, Hiroshi; and Inoue, Yukio, 4,867,932, Cl. 264-29.100.

  Sato, Nobuhiro; Ueno, Haruyuki; Katsura, Yuji; and Hamamatu, Takashi, 4,832,888, Cl. 264-63.000.

  Uchida, Yoshihiko; Kuroda, Kotaro; Kusano, Akihiko; and Fukunaga, Shinichi, 4,839,317, Cl. 501-108.000.

Kurosaki, Tadao: *See—*

  Sugimori, Yoshio; Araki, Yousai; Kurosaki, Tadao; and Urano, Joji, 4,882,628, Cl. 358-167.000.

Kurosaki, Tomihiro: *See—*

  Imamura, Takashi; Nishigawa, Norio; Kurosaki, Tomihiro; Fukasawa, Junichi; and Kato, Haruya, 4,804,533, Cl. 424-69.000.

  Ogino, Hidekazu; Kamitani, Hiroshi; Kamegai, Jun; Sawada, Hiroki; Hirota, Hajime; and Kurosaki, Tomihiro, 4,803,010, Cl. 252-174.210.

  Wakatsuki, Junya; Sano, Tomohiko; and Kurosaki, Tomihiro, 4,812,254, Cl. 252-135.000.

  Wakatsuki, Junya; Katoh, Tohru; Matsunaga, Akira; and Kurosaki, Tomihiro, 4,845,239, Cl. 549-219.000.

Kurosaki, Toshiei: *See—*

  Fukuda, Hiroshi; Hasegawa, Norio; Tanaka, Toshihiko; and Kurosaki, Toshiei, 4,869,999, Cl. 430-311.000.

  Kataoka, Keiji; Kurosaki, Toshiei; Yonezawa, Seiji; and Katagiri, Soichi, 4,857,744, Cl. 250-548.000.

  Moriyama, Shigeo; Kurosaki, Toshiei; Terasawa, Tsuneo; Okazaki, Shinji; and Kawamura, Yoshio, 4,798,470, Cl. 356-401.000.

Kurosaki, Toshiki: *See—*

  Sugimoto, Masatoshi; and Kurosaki, Toshiki, 4,806,351, Cl. 428-421.000.

Kurosawa, Akihito; Suzuki, Kazuyuki; Anazawa, Osamu; and Yoshinara, Masayuki, to Sanden Corporation. Control device for a vending machine dispensing mechanism. 4,854,477, 8-8-89, Cl. 221-1.000.

Kurosawa, Akira: *See—*

  Sumi, Akiyasu; Yoshida, Shigeru; Kurosawa, Akira; Takahashi, Tohru; Kondoh, Yoshitaka; and Chigira, Tatsuo, 4,806,813, Cl. 310-254.000.

Kurosawa, Fumio: *See—*

  Ueda, Masanori; Abe, Masayuki; Shitani, Kensai; Yoshimoto, Tetsuo; Yamamoto, Hiroki; and Kurosawa, Fumio, 4,883,544, Cl. 148-2.000.

Kurosawa, Hiroshi; and Ochiai, Izumi, to Hitachi, Ltd. Parabolic antenna. 4,860,021, 8-22-89, Cl. 343-840.000.

Kurosawa, Ikuo: *See—*

  Koga, Hidetaka; Kurosawa, Ikuo; Yamazaki, Atsushi; Takahashi, Kouji; Naoe, Fumihiro; Takemura, Motoi; and Kurotaki, Naoyuki, 4,862,769, Cl. 74-710.500.

Kurosawa, Isamu: *See—*

  Noguchi, Ichiro; Nagasaka, Yoshikiyo; and Kurosawa, Isamu, 4,800,954, Cl. 165-153.000.

  Sakurada, Muneo; Kurosawa, Isamu; and Wakabayashi, Shinji, 4,834,170, Cl. 165-43.000.

Kurosawa, Kaoru: *See—*

  Tokuume, Yoshihiro; Tsujii, Shigeo; and Kurosawa, Kaoru, 4,833,471, Cl. 341-67.000.

Kurosawa, Kazuhito: *See—*

  Hikita, Mitsutaka; Saigo, Yoichi; and Kurosawa, Kazuhito, 4,803,449, Cl. 333-193.000.

Kurosawa, Kei, to Kabushiki Kaisha Toshiba. Method for manufacturing an electrical connection between conductor levels. 4,874,719, 10-17-89, Cl. 437-195.000.

Kurosawa, Kunisaku, to Three TEC Davis Inc. Voltage measuring sheet. 4,835,476, 5-30-89, Cl. 324-435.000.

Kurosawa, Makoto; and Igarashi, Kenichi, to Hitachi Koki Co., Ltd. Printhead which minimizes stray magnetic flux. 4,879,947, 11-14-89, Cl. 101-93.040.

Kurosawa, Makoto: *See—*

  Matsumoto, Yoshikane; Hiki, Toshio; and Kurosawa, Makoto, 4,889,052, Cl. 101-93.040.

Kurosawa, Minoru: *See—*

  Ueha, Sadayuki; Kurosawa, Minoru; and Masuda, Michiyuki, 4,885,499, Cl. 310-328.000.

Kurosawa, Mitsumasa: *See—*

  Sato, Susumu; Kurosawa, Mitsumasa; Suzuki, Hideo; Obara, Takashi; and Tsunoyama, Kozo, 4,818,299, Cl. 148-2.000.

Kurosawa, Mitsuteru, to Mac Company, Ltd. Mechanism for cutting staple legs in a stapler. 4,844,319, 7-4-89, Cl. 227-79.000.

Kurosawa, Norio: *See—*

  Shibata, Toshihiro; and Kurosawa, Norio, 4,804,759, Cl. 544-335.000.

  Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, 4,831,143, Cl. 544-335.000.

  Shibata, Toshihiro; and Kurosawa, Norio, 4,844,836, Cl. 252-299.660.

  Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, 4,866,199, Cl. 560-65.000.

Kurosawa, Ryoichi; and Kawata, Kouzou, to Kabushiki Kaisha Toshiba. Apparatus for detecting revolution using a synchro. 4,837,492, 6-6-89, Cl. 318-661.000.

Kurosawa, Ryuichi, to Toyota Jidosha Kabushiki Kaisha. Active suspension system providing inhibition of vehicle body vertical oscillation, and method of operation thereof. 4,825,370, 4-25-89, Cl. 364-424.050.

Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, to Hitachi, Ltd.; Osaka Gas Co., Ltd.; and Toho Gas Co., Ltd. Double effect air cooled absorption refrigerating machine. 4,841,744, 6-27-89, Cl. 62-475.000.

Kurosawa, Shigeru; and Matsuki, Kunio, to Showa Denko Kabushiki Kaisha. Novel polyether sulfone imide copolymers. 4,873,295, 10-10-89, Cl. 525-420.000.

Kurosawa, Soichi: *See—*

  Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.

Kurosawa, Susumu, to NEC Corporation. Semiconductor memory device having a plurality of memory cells of single transistor type. 4,866,494, 9-12-89, Cl. 357-23.600.

Kurosawa, Tomoe: *See—*

  Ohno, Tasunori; Kurosawa, Tomoe; Sato, Tadashi; Kurosawa, Yukio; and Hakamata, Yoshimi, 4,851,668, Cl. 250-251.000.

  Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, 4,847,476, Cl. 250-427.000.

Kurosawa, Toshiaki: *See—*

  Ando, Takeki; Nakamura, Kiyoshi; Mine, Toshisuke; Inaba, Hiromi; Kurosawa, Toshiaki; Nakazato, Masao; and Sakai, Yoshio, 4,884,182, Cl. 363-37.000.

  Inaba, Hiromi; Shima, Seiya; Ando, Takeki; Kurosawa, Toshiaki; and Mitsui, Nobuo, 4,833,586, Cl. 363-41.000.

  Inaba, Hiromi; Shima, Seiya; Kurosawa, Toshiaki; Tobita, Toshimitsu; Hombu, Mitsuyuki; and Mitsui, Nobuo, 4,870,556, Cl. 363-41.000.

Kurosawa, Toshiharu: *See—*

  Nakazato, Katsuo; Tsuchiya, Hiroyoshi; Kurosawa, Toshiharu; Maruyama, Yuji; and Takahashi, Kiyoshi, 4,890,167, Cl. 358-443.000.

Kurosawa, Yoshiki: *See—*

  Ohshio, Hirohiko; Makita, Horoyuki; Nagasawa, Hidehiko; Kurosawa, Yoshiki; and Koyanagi, Yoshinobu, 4,862,337, Cl. 362-294.000.

Kurosawa, Yoshitaka: *See—*

  Usami, Ikuzo; Sato, Yoshinori; Kurosawa, Yoshitaka; and Morimura, Kazuyuki, 4,811,549, Cl. 53-423.000.

  Usami, Ikuzo; Sato, Yoshinori; Kurosawa, Yoshitaka; and Morimura, Kazuyuki, 4,811,838, Cl. 206-219.000.

Kurosawa, Yuichi; Morisawa, Tahei; and Aoki, Harumi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Magnetic head adjusting device. 4,835,646, 5-30-89, Cl. 360-109.000.

Kurosawa, Yukio: *See—*

  Ohno, Tasunori; Kurosawa, Tomoe; Sato, Tadashi; Kurosawa, Yukio; and Hakamata, Yoshimi, 4,851,668, Cl. 250-251.000.

  Ohshita, Youichi; Hashimoto, Akira; Tsukushi, Masanori; Kurosawa, Yukio; and Okumura, Kiyoshi, 4,864,286, Cl. 340-644.000.

  Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, 4,847,476, Cl. 250-427.000.

Kurose, Kazutoshi, to Gomeigaisha Kurose & Co. Panel assembly. 4,833,839, 5-30-89, Cl. 52-39.000.

Kurose, Shigeru: *See—*

  Mitsui, Susumu; Kurose, Shigeru; and Saimoto, Hiroshi, 4,861,766, Cl. 514-184.000.

Kurose, Yutaka: *See—*

  Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; Kurose, Yutaka; and Shimizu, Yukiharu, 4,837,309, Cl. 534-632.000.

Kuroshima, Ryoichi: *See—*
Murayama, Akira; Uchikawa, Naoshi; Kuroshima, Ryoichi; Kuno, Hiroaki; Arata, Tetsuya; and Shiibayashi, Masao, 4,818,195, Cl. 418-15.000.

Kuroshima, Toshihiro: *See—*
Sasaki, Yoshinori; and Kuroshima, Toshihiro, 4,842,352, Cl. 336-83.000.
Sasaki, Yoshinori; Kuroshima, Toshihiro; and Takahashi, Sumio, 4,845,452, Cl. 336-200.000.

Kurosu, Fumio: *See—*
Friedrich-Fiechtl, Jurgen-Dietrich; Kerner, Bernhard; Holzapfel, Jurgen; Puschmann, Martin; Kimura, Tokusuke; and Kurosu, Fumio, 4,835,257, Cl. 530-387.000.

Kurotaki, Naoyuki: *See—*
Koga, Hidetaka; Kurosawa, Ikuo; Yamazaki, Atsushi; Takahashi, Kouji; Naoe, Fumihiro; Takemura, Motoi; and Kurotaki, Naoyuki, 4,862,769, Cl. 74-710.500.

Kurotobi, Yohji: *See—*
Hanzawa, Yukihiko; Kawauchi, Haruki; Mikami, Tukasa; Takagi, Akinobu; and Kurotobi, Yohji, 4,800,985, Cl. 181-229.000.

Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, to Ricoh Company, Ltd. Developing replenisher material for use in image forming device. 4,860,050, 8-22-89, Cl. 355-256.000.

Kurotori, Tsuneo: *See—*
Mochizuki, Manabu; Kurotori, Tsuneo; and Hasegawa, Toshiharu, 4,801,965, Cl. 355-4.000.

Kurotori, Tuneo: *See—*
Mochizuki, Manabu; and Kurotori, Tuneo, 4,833,500, Cl. 355-256.000.

Kuroyama, Shigefumi; and Okazaki, Kenichi, to Showa Denko Kabushiki Kaisha. Method for preparing magnetic particles for magnetic-recording media. 4,851,258, 7-25-89, Cl. 427-127.000.

Kuroyama, Yutaka: *See—*
Araki, Masatada; and Kuroyama, Yutaka, 4,837,089, Cl. 428-552.000.
Araki, Masatada; Kuroyama, Yutaka; Takeuchi, Yukihisa; Takagi, Makoto; Kawamura, Yoshihito; and Imura, Toru, 4,857,414, Cl. 428-612.000.

Kuroyanagi, Hirohisa: *See—*
Mizuguchi, Masaaki; and Kuroyanagi, Hirohisa, 4,796,509, Cl. 84-454.000.
Mizuguchi, Masaaki; and Kuroyanagi, Hirohisa, 4,801,771, Cl. 200-86.00R.

Kuroyanagi, Isao: *See—*
Ogawa, Shinji; Kaiikawa, Yoshiharu; Kuroyanagi, Isao; Baba, Norimasa; and Ohara, Toshio, 4,870,834, Cl. 62-197.000.
Yamauchi, Yoshiyuki; Ohhara, Toshio; Ogawa, Shinji; Kuroyanagi, Isao; Otsuka, Haruhiko; Takahashi, Toshio; and Kasebe, Osamu, 4,821,531, Cl. 62-515.000.

Kuroyanagi, Junzo: *See—*
Yoshimura, Hiroshi; Shirata, Akihiro; and Kuroyanagi, Junzo, 4,856,360, Cl. 74-335.000.

Kuroyanagi, Masatoshi; Matsui, Kazuma; Majima, Youzou; and Murakami, Fumiaki, to Nippondenso Co., Ltd. Electronically controlled braking system without a master cylinder. 4,802,562, 2-7-89, Cl. 192-1.230.

Kuroyanagi, Satoshi: *See—*
Kumamoto, Hidechika; Kuroyanagi, Satoshi; and Hori, Setsuo, 4,812,881, Cl. 355-77.000.

Kuroyanagi, Shigeru: *See—*
Hayashi, Kazuhiko; Kuroyanagi, Shigeru; and Iwatsuki, Kunihiro, 4,841,447, Cl. 364-431.070.

Kuroyanagi, Tomomitsu: *See—*
Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.

Kuroyanagi, Toshiya: *See—*
Aoki, Akira; Mizushima, Yoshihiro; and Kuroyanagi, Toshiya, 4,832,400, Cl. 297-284.000.

Kuroyanagi, Yoshimitsu: *See—*
Namiki, Tetsuro; Furuse, Masayasu; Kuroyanagi, Yoshimitsu; Miyata, Teruo; and Suzuki, Takashi, 4,840,937, Cl. 514-21.000.

Kurozu, Shinichi: *See—*
Matsuoka, Toshio; Sugimori, Seiji; Koyabu, Yukio; and Kurozu, Shinichi, 4,824,479, Cl. 75-0.50R.

Kurozu, Tomotaka; and Kataoka, Sachiro, to Nissan Motor Co., Ltd. Power supply circuit for automotive headlamp with combinational switch. 4,890,038, 12-26-89, Cl. 315-82.000.

Kurozumi, Seizi: *See—*
Noyori, Ryoji; Suzuki, Masaaki; Kawagishi, Toshio; and Kurozumi, Seizi, 4,845,282, Cl. 562-500.000.
Noyori, Ryoji; Suzuki, Masaaki; Yanagisawa, Akira; and Kurozumi, Seizi, 4,886,903, Cl. 560-121.000.
Tanaka, Toshio; Hazato, Atsuo; and Kurozumi, Seizi, 4,797,506, Cl. 560-121.000.
Tanaka, Toshio; Hazato, Atsuo; Kurozumi, Seizi; and Koga, Masehiro, 4,841,091, Cl. 558-441.000.

Kurpiella, Hubert: *See—*
Schmalfuss, Harald; Kurpiella, Hubert; and Schneider, Bernhard, 4,841,139, Cl. 250-223.00R.

Kurpiella, Hubertus: *See—*
Schmalfuss, Harald; Sinsel, Friedel; and Kurpiella, Hubertus, 4,798,964, Cl. 250-560.000.

Kurple, Kenneth R. Foundry resins. 4,851,457, 7-25-89, Cl. 523-142.000.

Kurple, Kenneth R.: *See—*
Ryntz, Rose A.; and Kurple, Kenneth R., 4,804,732, Cl. 528-28.000.
Ryntz, Rose A.; Surcina, Karen A.; and Kurple, Kenneth R., 4,855,359, Cl. 525-130.000.

Kurr, Klaus: *See—*
Andra, Rainer; Kurr, Klaus; Ullrich, Gunter; and Dorge, Udo, 4,873,887, Cl. 74-573.00F.
Eckel, Hans-Gerd; Grassmuck, Volker; Jorg, Benno; Kurr, Klaus; and Sommer, Eberhard, 4,850,244, Cl. 74-574.000.
Franz, Rainer; Idigkeit, Werner; Loschmann, Hartmut; Rohner, Gerhard; and Kurr, Klaus, 4,836,515, Cl. 267-219.000.
Rohner, Gerhard; Idigkeit, Werner; and Kurr, Klaus, 4,872,652, Cl. 267-140.100.

Kurrle, Hermann, to Schako Metallwarenfabrik Ferdinand Schad KG. Nozzle means for an air conditioning installation. 4,794,851, 1-3-89, Cl. 98-40.180.

Kursawe, Siegfried: *See—*
Kanne, Friedrich; Mietzner, Franz G.; Pfleger, Klaus; Kursawe, Siegfried; Boettcher, Klaus; and Arnold, Gerhard, 4,804,725, Cl. 526-68.000.

Kurt H. Volk, Inc.: *See—*
Volk, Kurt E., Jr., 4,852.795, Cl. 229-92.000.

Kurta Corporation: *See—*
Sciacero, James R.; and Waterbury, Charles A., 4,859,814, Cl. 178-19.000.

Kurtenbach, Leonard F. Inflatable container for a small child. 4,827,542, 5-9-89, Cl. 5-93.00R.

Kurth, Guenther V., to Eastman Kodak Company. Still video camera having a viewfinder with superimposed images. 4,853,787, 8-1-89, Cl. 358-224.000.

Kurth, James: *See—*
Monroe, Paul; and Kurth, James, 4,882,564, Cl. 340-449.000.

Kurth, Michael J.: *See—*
Guntly, Thomas G.; Federspiel, Mark E.; and Kurth, Michael J., 4,864,705, Cl. 29-156.40R.

Kurth, Paul A. Femoral compression device for post-catheterization hemostasis. 4,829,994, 5-16-89, Cl. 128-96.100.

Kurths, Siegfried, to Agfa-Gevaert Aktiengesellschaft. Apparatus for attaching clips to leader belts for photosensitive webs. 4,821,060, 4-11-89, Cl. 354-321.000.

Kurths, Siegfried, to Afga-Gevaert Aktiengesellschaft. Clamp mounting mechanism and method for photographic processing apparatus. 4,853,730, 8-1-89, Cl. 354-340.000.

Kurtossy, Csaba G. Continuously variable power converter. 4,813,296, 3-21-89, Cl. 74-681.000.

Kurtossy, Csaba G. Continuously variable power converter. 4,815,335, 3-28-89, Cl. 74-681.000.

Kurtovic, Jadranka: *See—*
Grabovac, Bosko; and Kurtovic, Jadranka, 4,852,386, Cl. 73-1.00C.

Kurtovic, Zlatko: *See—*
Grabovac, Bosko; and Kurtovic, Zlatko, 4,802,540, Cl. 177-211.000.

Kurtti, Gary R.: *See—*
Blake, Thomas B.; and Kurtti, Gary R., 4,815,674, Cl. 242-107.40R.

Kurtz, Andrew F.; Whiting, Bruce R.; Boutet, John C.; Milch, James R.; Gasper, John; and Kessler, David, to Eastman Kodak Company. Linear integrating cavity light source used for generating an intense beam of light. 4,868,383, 9-19-89, Cl. 250-228.000.

Kurtz, Anthony D., to Kulite Semiconductor Products, Inc. Capacitive transducers employing high conductivity diffused regions. 4,814,845, 3-21-89, Cl. 357-26.000.

Kurtz, Anthony D.; Nunn, Timothy A.; and Weber, Richard A., to Kulite Semiconductor Products, Inc. Integral transducer structures employing high conductivity surface features. 4,814,856, 3-21-89, Cl. 357-73.000.

Kurtz, Anthony D.: *See—*
Ainsworth, Roger W.; Allen, John L.; and Kurtz, Anthony D., 4,860,442, Cl. 29-8.320.

Kurtz, Hobart L.: *See—*
Ballou, Richard; Belyeu, Stanley M.; Boscove, Joseph A.; Kurtz, Hobart L.; Langer, Peter; McNeill, Andrew B.; Reid, Bernard M.; and Rodriguez, Herman, 4,811,240, Cl. 364-518.000.
Boscove, Joseph A.; Kurtz, Hobart L.; Prince, Jeffrey E.; and Wiegand, William P., 4,796,206, Cl. 364-551.010.

Kurtz, John J.: *See—*
Kroeger, Brian W.; and Kurtz, John J., 4,847,874, Cl. 375-110.000.

Kurtz, John L.: *See—*
Bowser, C. Frederick; and Kurtz, John L., 4,840,377, Cl. 273-31.000.

Kurtz, John O.: *See—*
Wakamiya, Stanley K.; Blake, Fred S.; and Kurtz, John O., 4,833,776, Cl. 29-837.000.

Kurtz, Karl-Rudolf: *See—*
Hoffmann, Gerhard; and Kurtz, Karl-Rudolf, 4,806,452, Cl. 430-306.000.

Kurtz, Leonard D.; and LiCausi, Joseph, to BioResearch, Inc. Drainage device with disposable collection chamber. 4,883,476, 11-28-89, Cl. 604-323.000.

Kurtz, Louis A., to Hughes Aircraft Company. Waveguide slot array termination and antenna system. 4,821,044, 4-11-89, Cl. 343-771.000.

Kurtz, Louis A., to Hughes Aircraft Company. Dual polarized slot-dipole radiating element. 4,839,663, 6-13-89, Cl. 343-771.000.

Kurtz, Richard J., to Guard Associates, Inc. Self-sealing valve for inflated bodies. 4,842,007, 6-27-89, Cl. 137-223.000.

Kurtz, Rudiger: *See—*
Weisshuhn, Elmer; Bubik, Alfred; Dahl, Hans; Holik, Herbert; Kurtz, Rudiger; Zembrot, Anton; Stotz, Wolf-Gunter; Seider, Werner; and Trondle, Robert, 4,888,094, Cl. 162-198.000.

Kurtz, Sharon L. Needle disposal device and method for preventing accidental contact with a needle. 4,875,896, 10-24-89, Cl. 604-187.000.

Kurtz, Thomas D. Finger pull. 4,805,263, 2-21-89, Cl. 16-124.000.

Kurtze, Gunther; and Riedlinger, Rainer, to Richard Wolf GmbH. Piezoelectric transducer for the destruction of concretions within an animal body. 4,858,597, 8-22-89, Cl. 128-24.00A.

Kuru, Hiroshi; and Arai, Tomio, to Konishiroku Photo Industry Co., Ltd. Method and apparatus for controlling toner density of copying device. 4,833,506, 5-23-89, Cl. 355-208.000.

Kuru, Hiroshi: *See—*
Arai, Tomio; and Kuru, Hiroshi, 4,801,980, Cl. 355-14.00D.

Kurucz, Jozsef, to Rolitron Muszaki-Fejleszto Kisszovetkezet. Method and apparatus for introducing a fluid into a human or animal organism as well as method and heating device for temperature control. 4,844,074, 7-4-89, Cl. 128-401.000.

Kurumada, Norimitsu; Kuribayashi, Hiroshi; Shibata, Setsuo; Wakabayashi, Toshikatsu; Hasegawa, Akira; and Shibuya, Mamoru, to JGC Corporation. Radioactive waste water treatment. 4,800,042, 1-24-89, Cl. 252-628.000.

Kurumatani, Harumichi; Nakao, Takashi; Nakano, Kazunori; and Kojima, Akira, to Osaka Gas Co., Ltd. Inner surface coating method and device for piping. 4,869,928, 9-26-89, Cl. 427-206.000.

Kurumi, Masateru: *See—*
Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, 4,820,730, Cl. 514-510.000.

Kurumizawa, Toshimitsu: *See—*
Takao, Masatoshi; Kimura, Kunio; Kurumizawa, Toshimitsu; and Nagata, Kenichi, 4,847,132, Cl. 428-64.000.

Kurushima, Toyokazu, to Inax Corporation. Marble-translucent thin resilient decorative sheet. 4,853,276, 8-1-89, Cl. 428-187.000.

Kurusu, Chisato: *See—*
Suzuki, Hiroshi; Natsuhara, Masao; and Kurusu, Chisato, 4,814,670, Cl. 315-15.000.

Kurusu, Yasuo; Kan, Kazuma; and Tamura, Hiroshi, to Dainippon Screen Mfg. Co., Ltd. Apparatus for and method of stabilizing the quantity of light of fluorescent lamp. 4,870,454, 9-26-89, Cl. 355-69.000.

Kurusu, Yasuo: *See—*
Cho, Masamichi; and Kurusu, Yasuo, 4,817,180, Cl. 382-54.000.

Kurz, Arthur, to Deutsche Thomson-Brandt GmbH. Method of compensating the offset voltage in a variable gain amplifier and circuitry for carrying out the method. 4,810,973, 3-7-89, Cl. 330-129.000.

Kurz, Arthur; Laufer, Engelbert; and Rohde, Wilfried, to Deutsche Thomson-Brandt GmbH. Method of and circuitry for automatically adjusting the variable-gain amplification in a control loop. 4,827,202, 5-2-89, Cl. 318-608.000.

Kurz, Arthur, to Deutsche Thomson-Brandt GmbH. System for evaluation of a subcode. 4,852,105, 7-25-89, Cl. 371-69.000.

Kurz, Arthur: *See—*
Baas, Dieter; and Kurz, Arthur, 4,809,253, Cl. 369-45.000.

Kurz, Charles B., to Brunswick Corporation. Compliant tube low frequency sound attenuator. 4,815,050, 3-21-89, Cl. 367-176.000.

Kurz, Helmut: *See—*
Heine, Werner; and Kurz, Helmut, 4,836,137, Cl. 118-663.000.

Kurz, John H.: *See—*
Batson, Edward E.; and Kurz, John H., 4,818,461, Cl. 264-325.000.
Batson, Edward E.; and Kurz, John H., 4,828,137, Cl. 220-270.000.
Batson, Edward E.; and Kurz, John H., 4,877,391, Cl. 425-289.000.

Kurz Kunststoffe GmbH: *See—*
Seifert, Josef, 4,817,792, Cl. 206-309.000.

Kurz, Leonard: *See—*
Mitsam, Reinwald, 4,802,949, Cl. 156-540.000.

Kurz, Miklos G. Bathtub silencer and overflow protector. 4,876,754, 10-31-89, Cl. 4-546.000.

Kurz, Rolf; and Elflein, Reinhold, to Forbach GmbH. Open hot water heater. 4,862,834, 9-5-89, Cl. 122-13.00R.

Kurz, Ulrich: *See—*
Schelten, Jakob; and Kurz, Ulrich, 4,866,279, Cl. 250-396.00R.

Kurz, Werner: *See—*
Hutter, Odo; Jung, Rainer; Kurz, Werner; Sperr, Gerhardt; and Voss, Jurgen, 4,844,240, Cl. 198-391.000.

Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Daniel, Peter; Morgenstern, Rainer; Wehner, Wilfried; and Polster, Manfred, to Technische Universitaet Karl-Marx-Stadt. Single part biocompatible hip-joint socket moorable without cement. 4,801,300, 1-31-89, Cl. 623-22.000.

Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Loewicke, Gerold; Knofler, Wolfram; and Graf, Hans-Ludwig, to Technische Universitaet Karl-Marx-Stadt. Stomatological implant. 4,832,602, 5-23-89, Cl. 433-220.000.

Kurze, Peter; Krysmann, Waldemar; Knoefler, Wolfram; and Graf, Hans-Ludwig, to Technische Universitaet Karl-Marx-Stadt. Ceramic-coated metal implants. 4,846,837, 7-11-89, Cl. 623-16.000.

Kurze, Peter; Krysmann, Waldemar; Berger, Maria; Rabending, Klaus; Schreckenbach, Joachim; Schwarz, Thomas; and Hartmann, Karl-Heinz, to Technische Universitaet Karl-Marx-Stadt. Method for the preparation of decorative coating on metals. 4,869,789, 9-26-89, Cl. 204-56.100.

Kurze, Werner; and Klos, Klaus-Peter, to Raschig AG; and Elektro-Brite GmbH & Co. KG, a part interest. Polyalkylene glycol naphthyl-3-sulfopropyl diether compounds and their salts, process for preparing same and electroplating baths containing same. 4,820,388, 4-11-89, Cl. 204-44.200.

Kurzeja, Ronald: *See—*
Bell, A. Milton; Gamberg, Murray G.; and Kurzeja, Ronald, 4,828,495, Cl. 433-200.100.

Kurzendoerfer, Claus-Peter; and Wichelhaus, Winfried, to Henkel Kommanditgesellschaft auf Aktien. Laundry pretreatment composition for oily and greasy soil. 4,861,516, 8-29-89, Cl. 252-531.000.

Kurzmann, Hadmar: *See—*
Lauckhardt, Gerhard; and Kurzmann, Hadmar, 4,811,177, Cl. 362-220.000.
Lauckhardt, Gerhard; Schmoll, Kurt; and Kurzmann, Hadmar, 4,870,549, Cl. 362-147.000.

Kurzmann, Peter: *See—*
Munz, Rudolf; Kurzmann, Peter; and Faas, Ute, 4,847,160, Cl. 428-447.000.

Kurzweil Applied Intelligence, Inc.: *See—*
Feldman, Joel A.; Ganong, William F., III; and Bradner, Scott, 4,799,262, Cl. 381-43.000.

Kurzweil, Karel: *See—*
Fontan, Jacques; Kurzweil, Karel; and Dehaine, Gerard, 4,812,949, Cl. 361-386.000.

Kurzweil Music Systems, Inc.: *See—*
Hayden, John A.; Chidlaw, Robert H.; and Muha, Ralph J., 4,833,963, Cl. 84-1.220.

Kusaba, Akira: *See—*
Morita, Takashi; Hirai, Koji; and Kusaba, Akira, 4,823,342, Cl. 370-109.000.

Kusaba, Takashi; Abe, Hideo; Torao, Akira; Furukawa, Kusuo; Yanagimoto, Takayuki; and Sasaki, Hiroaki, to Kawasaki Steel Corporation. Work roll with dulled surface having geometrically patterned uneven dulled sections for temper rolling. 4,841,611, 6-27-89, Cl. 29-121.200.

Kusaba, Tomoyuki; Takahashi, Junya; Sugano, Masayo; Uematsu, Tamon; Oguri, Yukio; and Teramae, Tomohiro, to Sumitomo Chemical Company, Limited. Iodopropargyl carbamate derivative, a method for its production and fungicidal compositions containing it as an active ingredient. 4,841,088, 6-20-89, Cl. 558-417.000.

Kusagaya, Toshihiro: *See—*
Nagashima, Kanji; Yamada, Yuji; and Kusagaya, Toshihiro, 4,825,539, Cl. 29-848.000.

Kusaiynov, Kappas: *See—*
Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.

Kusaka, Akehiro, to Komori Printing Machinery Co., Ltd. Abnormal-paper sensing apparatus in a printing machine. 4,805,893, 2-21-89, Cl. 271-258.000.

Kusaka, Hiroji: *See—*
Kobayashi, Masaki; Itoh, Yoshio; and Kusaka, Hiroji, 4,879,726, Cl. 375-1.000.

Kusaka, Iwao: *See—*
Shigenaka, Toshinori; and Kusaka, Iwao, 4,799,461, Cl. 122-7.00R.

Kusaka, Kensaku: *See—*
Kishino, Kazuo; Tanaka, Takao; Shigenobu, Michio; Hirabayashi, Hiromitsu; Hibi, Takashi; and Kusaka, Kensaku, 4,823,689, Cl. 100-155.00R.

Kusaka, Tadao: *See—*
Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.

Kusaka, Takuya: *See—*
Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.

Kusaka, Yosuke; and Utagawa, Ken, to Nikon Corporation. Automatic focal point control apparatus with correction of sequential defocus signals dependent on object contrast. 4,812,636, 3-14-89, Cl. 250-201.000.

Kusaka, Yosuke: *See—*
Terui, Nobuhiko; Kusaka, Yosuke; Shiokama, Yoshiharu; and Sasagaki, Nobuaki, 4,881,094, Cl. 354-286.000.

Kusaka, Yuko; and Matsumoto, Keiji. Data processing system with improved output function. 4,823,309, 4-18-89, Cl. 364-900.000.

Kusakabe Copastar Company: *See—*
Goto, Sachio; Kobayashi, Hideo; Yasumori, Akira; Kimura, Tsutomu; and Hayashi, Hiroshi, 4,830,825, Cl. 420-486.000.

Kusakabe, Isao: *See—*
Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,806,367, Cl. 426-46.000.
Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,877,622, Cl. 426-46.000.

Kusakabe, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Silicon wafer for a semiconductor substrate and the method for making the same. 4,876,224, 10-24-89, Cl. 437-228.000.

Kusakabe, Nobuo: *See—*
Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.

Kusakabe, Susumu, to Sony Corporation. Special effect apparatus. 4,888,643, 12-19-89, Cl. 358-183.000.
Kusakata, Shigeru; Suzuki, Aimi; and Shiojima, Isao, to Ricoh Company, Ltd. Cyanine dyes. 4,847,385, 7-11-89, Cl. 548-455.000.
Kusan, Inc.: *See—*
Lo, Ying-Cheng; and Humphries, Darral V., 4,874,657, Cl. 428-220.000.
Kusanagi, Hiroaki: *See—*
Miyauchi, Mikiyoshi; Meguro, Takashi; Serizawa, Hisao; and Kusanagi, Hiroaki, 4,851,267, Cl. 427-357.000.
Kusano, Akihiko: *See—*
Uchida, Yoshihiko; Kuroda, Kotaro; Kusano, Akihiko; and Fukunaga, Shinichi, 4,839,317, Cl. 501-108.000.
Kusano, Akihisa: *See—*
Inuyama, Toshihiko; Kimizuka, Junichi; Kusano, Akihisa; Sato, Kaoru; and Soya, Takashi, 4,890,288, Cl. 372-31.000.
Kusano, Hideaki: *See—*
Katoh, Osami; and Kusano, Hideaki, 4,846,569, Cl. 353-97.000.
Watanabe, Yutaka; Ito, Masaaki; and Kusano, Hideaki, 4,864,417, Cl. 358-296.000.
Kusano, Hiroshi; Kiniwa, Hideaki; Shimura, Akihiro; and Annaka, Masahiko, to Mitsubishi Kasei Corporation. Separation medium. 4,851,382, 7-25-89, Cl. 502-401.000.
Kusano, Hiroshi: *See—*
Itagaki, Takaharu; Kusano, Hiroshi; Miyata, Eiji; and Tashiro, Takayuki, 4,863,972, Cl. 521-141.000.
Kusano, Kazuki: *See—*
Hori, Katsuyoshi; Myoga, Toshiharu; Shinomiya, Miharu; Watanabe, Eiji; Kusano, Kazuki; Takuwa, Toshiaki; and Hafuri, Miharu, 4,801,781, Cl. 219-137.710.
Kusano, Kenji: *See—*
Ozaki, Yoshihiko; Sumitani, Hiroaki; Tomoda, Toshimasa; Sato, Fumihide; and Kusano, Kenji, 4,841,489, Cl. 367-7.000.
Kusano, Satoshi, to Pioneer Electronic Corporation. Recording disk reproducing apparatus having high-resolution A/D converter. 4,835,755, 5-30-89, Cl. 369-44.000.
Kusano, Satoshi: *See—*
Nakamura, Hiroshi; and Kusano, Satoshi, 4,795,958, Cl. 318-625.000.
Kusano, Shinichi: *See—*
Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.
Kusano, Shoji: *See—*
Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, 4,814,338, Cl. 514-275.000.
Matsuzawa, Masafumi; Hokari, Hiroshi; Kusano, Shoji; Miyazawa, Takeshige; and Toyokawa, Yasufumi, 4,875,930, Cl. 71-106.000.
Motojima, Kenji; Miyazawa, Takeshige; Toyokawa, Yasufumi; Matsuzawa, Masafumi; Hokari, Hiroshi; and Kusano, Shoji, 4,866,201, Cl. 560-126.000.
Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, 4,832,729, Cl. 71-92.000.
Wada, Nobuhide; Saito, Yoshihiro; Kusano, Shoji; Toyokawa, Yasufumi; Miyazawa, Takeshige; and Takahashi, Satoru, 4,889,552, Cl. 71-92.000.
Kusano, Takahiro: *See—*
Hagino, Hideyuki; and Kusano, Takahiro, 4,841,179, Cl. 307-520.000.
Hagino, Hideyuki; and Kusano, Takahiro, 4,851,718, Cl. 307-520.000.
Kusano, Yukihiro: *See—*
Yoshikawa, Masato; Kusano, Yukihiro; Naito, Kazuo; Honda, Toshio; and Hata, Tomonobu, 4,880,515, Cl. 204-192.120.
Kusaura, Akio: *See—*
Hattori, Michinobu; Fujisawa, Hidemitsu; and Kusaura, Akio, 4,877,667, Cl. 428-64.000.
Kusayama, Masahiro, to Yoshida Kogyo K. K. Fluid-tight slide fastener. 4,817,252, 4-4-89, Cl. 24-389.000.
Kusayama, Masahiro, to Yoshida Kogyo K. K. Method for injection molding end stops on slide fastener. 4,842,799, 6-27-89, Cl. 264-265.000.
Kusayanagi, Yoshikazu: *See—*
Hirai, Shiro; Hirano, Hiroshi; Arai, Hirotoshi; Shibata, Hisanari; Kusayanagi, Yoshikazu; and Hashiba, Kazuhiko, 4,871,765, Cl. 514-471.000.
Kusbel, James F.: *See—*
Kondo, Thomas J.; Kusbel, James F.; and Philp, John D., 4,826,019, Cl. 209-538.000.
Kondo, Thomas J.; Kusbel, James F.; and Philp, John D., 4,836,916, Cl. 209-538.000.
Kondo, Thomas J.; Kusbel, James F.; and Philp, John D., 4,863,039, Cl. 209-538.000.
Kusch, Hans-Jurgen, to Heidelberger Druckmaschinen AG. Dampening mechanism for offset rotary printing presses. 4,872,406, 10-10-89, Cl. 101-148.000.
Kusche, Gerhard: *See—*
Schimion, Werner; Kusche, Gerhard; and Reucker, Klaus, 4,801,863, Cl. 324-61.00R.
Kuschke, Renate: *See—*
Schmelz, Helmut; Thomann, Helmut; Kuschke, Renate; Wilbert, Eva-Helga; Gajewski, Wolfgang; Sprehe, Josef; Landgraf, Norbert; Ranly, Hans; Balling, Lothar; Reppisch, Richard; and Hein, Dietmar, 4,812,296, Cl. 423-239.000.
Kuse, Satoru; and Koboshi, Shigeharu, to Konishiroku Photo Industry Co., Ltd. Method for processing a light-sensitive silver halide color photographic material by controlling the pH value of the bleach fixing solution. 4,828,970, 5-9-89, Cl. 430-393.000.
Kuse, Satoru: *See—*
Ishikawa, Masao; Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kuse, Satoru, 4,797,351, Cl. 430-387.000.
Kobayashi, Kazuhiro; Koboshi, Shigeharu; Kuse, Satoru; and Ishikawa, Masao, 4,837,139, Cl. 430-542.000.
Koboshi, Shigeharu; Kuse, Satoru; Kurematsu, Masayuki; and Goto, Nobutaka, 4,839,682, Cl. 354-312.000.
Kusefoglu, Selim H.: *See—*
Mathias, Lon J.; and Kusefoglu, Selim H., 4,889,948, Cl. 560-181.000.
Kusel Equipment Company: *See—*
Thomson, Meredith C., 4,829,890, Cl. 99-455.000.
Thomson, Meredith C., 4,879,129, Cl. 426-506.000.
Kusel, Peter G., to R A Nova Inc. Railway panel replacement method and apparatus with temporary track. 4,827,848, 5-9-89, Cl. 104-3.000.
Kush, Robert S.; and Bossart, Clayton J., to Mine Safety Appliances Company. Bellows type hand-operated air sampling pump. 4,858,478, 8-22-89, Cl. 73-864.350.
Kushi, Kenji: *See—*
Sasaki, Isao; Kushi, Kenji; and Taguchi, Nobuyoshi, 4,877,922, Cl. 528-272.000.
Kushibe, Yuki; and Sato, Hiroshi, to Mitsubishi Jukogyo Kabushiki Kaisha. Die clamping apparatus. 4,874,309, 10-17-89, Cl. 425-589.000.
Kushibiki, Nobuo; Nose, Noriyuki; Nakajima, Toshiyuki; Baba, Takeshi; Matsugu, Masakazu; and Niwa, Yukichi, to Canon Kabushiki Kaisha. Optical device. 4,840,473, 6-20-89, Cl. 350-484.000.
Kushibiki, Nobuo; Yoshinaga, Yoko; Taniguchi, Naosato; and Kuwayama, Tetsuro, to Canon Kabushiki Kaisha. Method of preparing volume type hologram film. 4,871,411, 10-3-89, Cl. 156-249.000.
Kushibiki, Nobuo: *See—*
Baba, Takeshi; Suda, Shigeyuki; Nose, Noriyuki; Kawakami, Eigo; Nakajima, Toshiyuki; and Kushibiki, Nobuo, 4,802,746, Cl. 350-418.000.
Kushibiki, Ryouichi; and Fukutake, Tadamichi, to Kabushiki Kaisha Toshiba. Semiconductor stack. 4,866,503, 9-12-89, Cl. 357-51.000.
Kushida, Keiko; Takeuchi, Hiroshi; Kobayashi, Toshio; Takagi, Kazumasa; and Susa, Kenzo, to Hitachi, Ltd. Piezoelectric transducer. 4,803,392, 2-7-89, Cl. 310-311.000.
Kushida, Naoki: *See—*
Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko, 4,881,084, Cl. 346-1.100.
Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.
Touma, Kouichi; Hasegawa, Tetsuo; Kushida, Naoki; Yaegashi, Hisao; Tamura, Yasuyuki; and Kaneko, Shuzo, 4,882,593, Cl. 346-111.000.
Yaegashi, Hisao; Hasegawa, Tetsuo; Kushida, Naoki; Tohma, Koichi; and Suzuki, Takayuki, 4,880,686, Cl. 428-212.000.
Kushida, Noritaka: *See—*
Asakura, Masahiko; Kawanabe, Tomohiko; and Kushida, Noritaka, 4,842,711, Cl. 204-406.000.
Asakura, Masahiko; Shiina, Takanori; Ueda, Masahiro; Kubota, Shinichi; Kawanabe, Tomohiko; Kushida, Noritaka; and Muroya, Minoru, 4,870,586, Cl. 364-431.060.
Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Hasebe, Hiroshi; and Yamada, Tessho, 4,808,269, Cl. 204-1.00T.
Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Kubota, Shin'ichi; Matsumoto, Yukihiro; Arai, Yasuhisa; and Hosaka, Takefumi, 4,843,550, Cl. 364-424.100.
Kushida, Osami; Ninomiya, Hisamitsu; Nezuka, Masakazu; and Ishikawa, Yoshihiko, to Texas Instruments Incorporated. Switch for circuit breaker. 4,876,523, 10-24-89, Cl. 337-299.000.
Kushida, Shizuko: *See—*
Suzuki, Osamu; Ishizaki, Kanjiro; Asami, Akira; and Kushida, Shizuko, 4,826,035, Cl. 220-203.000.
Kushida, Tadae: *See—*
Yokotsuka, Koki; Kushida, Tadae; Kanai, Yumiko; Aihara, Toshihide; Yajima, Mizuo; and Nakajima, Tomoyoshi, 4,820,520, Cl. 424-439.000.
Kushida, Takeo; Taira, Susumu; Nagasaki, Wataru; Muramatsu, Hajime; and Sakakibara, Toshikazu, to Diesel Kiki Co., Ltd. Acceleration sensor. 4,843,877, 7-4-89, Cl. 73-517.00R.
Kushima, Hidekiyo, to Kabushiki Kaisha Toshiba. Portable memory medium. 4,825,060, 4-25-89, Cl. 235-492.000.
Kushima, Hiroshi; and Ishizaka, Hideo, to Fuji Photo Film Co., Ltd. Automatic image developing apparatus. 4,839,683, 6-13-89, Cl. 354-322.000.
Kushima, Hiroshi: *See—*
Tajima, Kenji; and Kushima, Hiroshi, 4,848,764, Cl. 271-90.000.
Tajima, Kenji; Kushima, Hiroshi; and Yamada, Sadami, 4,860,042, Cl. 354-277.000.
Kushima, Tadao: *See—*
Soga, Tasao; Goda, Marahiro; Nakano, Fumio; Kushima, Tadao; Ushifusa, Nobuyuki; Kobayashi, Fumiyuki; and Sawahata, Mamoru, 4,825,284, Cl. 357-80.000.
Kushimoto, Toshihiro; Ozawa, Yoshimichi; and Izawa, Nobuo, to Kanebo, Ltd.; and Research Association for Synthetic Fiber Technology. Process for producing polyesters using a niobium compound as a catalyst. 4,818,808, 4-4-89, Cl. 528-275.000.
Kushino, Mitsuo: *See—*
Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.
Kushiro, Yukitoshi: *See—*
Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,811,353, Cl. 372-45.000.
Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,820,655, Cl. 437-129.000.
Suzuki, Masatoshi; Akiba, Shigeyuki; Tanaka, Hideaki; and Kushiro, Yukitoshi, 4,811,352, Cl. 372-45.000.
Suzuki, Masatoshi; Noda, Yukio; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,837,526, Cl. 332-7.510.
Kushisaka, Tohru: *See—*
Tanaka, Shinichi; Koudo, Toshikazu; and Kushisaka, Tohru, 4,852,126, Cl. 375-76.000.
Kushizaki, Osami: *See—*
Seo, Hiromi; and Kushizaki, Osami, 4,872,153, Cl. 369-44.000.
Kushnarenko, Sergei G.: *See—*
Bozhko, Valery P.; Strizhenko, Vitaly E.; Kushnarenko, Sergei G.; Losev, Alexei V.; and Kononenko, Vadim G., deceased, 4,826,541, Cl. 148-9.00R.
Kushnerick, J. Douglas; Harandi, Mohsen N.; and Owen, Hartley, to Mobil Oil Corporation. Upgrading light olefin fuel gas and catalytic reformate in a turbulent fluidized bed catalyst reactor. 4,827,069, 5-2-89, Cl. 585-415.000.
Kushnerick, John D.; and Tabak, Samuel A., to Mobil Oil Corporation. Production of gasoline from light olefins with FCC gas plant improvement by olefin upgrading. 4,831,204, 5-16-89, Cl. 585-519.000.
Kushnir, Mark, to ICE Cryogenic Engineering Ltd. Split sterling cryogenic cooler. 4,862,695, 9-5-89, Cl. 62-6.000.
Kushnir, Mark: *See—*
Unger, Rueven Z.; and Kushnir, Mark, 4,852,356, Cl. 62-6.000.
Kuske, Duane M.: *See—*
Sipos, David L.; Kuske, Duane M.; and White, Paul D., Jr., 4,842,058, Cl. 166-77.000.
Kusko, Alexander; and Medora, Noshirwan K., to Kusko, Alexander. Fluorescent lamp controlling. 4,853,598, 8-1-89, Cl. 315-101.000.
Kuslima, Shogen: *See—*
Szebenyi, Emil; and Kuslima, Shogen, 4,888,172, Cl. 424-105.000.
Kusmer, Daniel P.: *See—*
Scobie, William B.; and Kusmer, Daniel P., 4,846,212, Cl. 137-240.000.
Scobie, William B.; and Kusmer, Daniel P., 4,846,225, Cl. 137-862.000.
Kusov, Nikolai F.; Pshenichny, Valentin I.; Chakvetadze, Revaz A.; and Krekker, Gennady Y., to Institut Gornogo Dela Imeni A.A. Skochinskogo. Method of rock breakage by blasting. 4,864,933, 9-12-89, Cl. 102-312.000.
Kuss, George E., to Kraft, Inc. Meat flavored vegetable oil preparation method and product. 4,865,868, 9-12-89, Cl. 426-613.000.
Kussel, Barbara: *See—*
Hubert, Peter; Kussel, Barbara; and Wirz, Peter, 4,818,358, Cl. 204-298.000.
Kussel, Willy; and Frank, Reiner, to Gewerkschaft Eisenhutte Westfalia GmbH. Cable assembly for mineral mining installations. 4,874,335, 10-17-89, Cl. 439-589.000.
Kussel, Willy: *See—*
Trox, Uwe; Kussel, Willy; Reuter, Martin; and Konig, Johannes, 4,870,364, Cl. 324-418.000.
Kussendrager, Klaas D.; van den Biggelaar, Henricus A. M.; and Vromans, Herman, to DMV-Campina B.V. Spray dried lactose and process for preparing the same. 4,802,926, 2-7-89, Cl. 127-31.000.
Kuster, Josef. Machine for grinding large balls. 4,856,231, 8-15-89, Cl. 51-129.000.
Kussy, Frank W.: *See—*
Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., 4,804,933, Cl. 335-186.000.
Becker, James A.; Freitag, Lawrence F.; and Kussy, Frank W., 4,849,590, Cl. 200-147.00R.
Kuster, Anton, to Spectrospin AG. Device for positioning a sample carrier in an NMR spectrometer. 4,859,948, 8-22-89, Cl. 324-318.000.
Kuster & Co. GmbH: *See—*
Jakob, Willi; and Marscholl, Klaus, 4,854,186, Cl. 74-501.50R.
Kuster, Hans-Werner; Schwarzenberg, Norbert; and Vanaschen, Luc, to Saint-Gobain Vitrage. Method and apparatus for curving a glass sheet. 4,802,903, 2-7-89, Cl. 65-106.000.
Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, to Saint-Gobain Vitrage "Les Miroirs". Blow box for glass tempering. 4,816,058, 3-28-89, Cl. 65-348.000.
Kuster, Hans-Werner; Radermacher, Herbert; Vanaschen, Luc; and Schubert, Gerhard, to Saint Gobain Vitrage. Bearing unit for carrying rollers of a horizontal furnace and a horizontal furnace for glass sheets. 4,851,026, 7-25-89, Cl. 65-273.000.
Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, to Saint-Gobain Vitrage. Method and device for curving sheets of glass. 4,859,225, 8-22-89, Cl. 65-104.000.
Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, to Saint-Gobain Vitrage "Les Miroirs" . Blow box for glass tempering. 4,874,418, 10-17-89, Cl. 65-348.000.
Kuster, Hans-Werner: *See—*
Le Marrec, Claude; Kramer, Carl; and Kuster, Hans-Werner, 4,808,043, Cl. 406-181.000.
Vanaschen, Luc; Kuster, Hans-Werner; and Radermacher, Herbert, 4,842,634, Cl. 65-106.000.
Kustermann, Martin: *See—*
Sollinger, Hans-Peter; and Kustermann, Martin, 4,869,933, Cl. 427-356.000.
Kusters, Karl-Heinz, to Eduard Kusters Maschinenfabrik GmbH & Co. KG. Roll with controllable line pressure. 4,856,157, 8-15-89, Cl. 29-116.200.
Kustes, Alan M.: *See—*
Kustes, Ryon; and Kustes, Alan M., 4,861,236, Cl. 417-315.000.
Kustes, Ryon, and Kustes, Alan M. Birotational pump. 4,861,236, 8-29-89, Cl. 417-315.000.
Kusuda, Masataka; Fukuma, Shuji; and Nishiyama, Masaki, to Nitto Electric Industrial Co., Ltd. In phase corrugated plate membrane module support. 4,857,192, 8-15-89, Cl. 210-321.840.
Kusuda, Tadahiro: *See—*
Umezawa, Isao; Sone, Haruo; and Kusuda, Tadahiro, 4,837,429, Cl. 250-211.00J.
Kusuda, Takao; Yonemura, Masaaki; Shimoda, Hisanori; Takigawa, Masuo; and Mihara, Toshihiro, to Matsushita Electric Industrial Co., Ltd. Purifier of diesel particulates in exhaust gas. 4,840,028, 6-20-89, Cl. 60-303.000.
Kusuda, Yasuhiro; and Tottori, Takafumi, to Minolta Camera Kabushiki Kaisha. Multiple color image forming apparatus. 4,884,096, 11-28-89, Cl. 355-233.000.
Kusuki, Yoshihiro: *See—*
Nakamura, Asumaru; Kusuki, Yoshihiro; and Harada, Takashi, 4,830,640, Cl. 55-158.000.
Kusumgar, Rajal; Natarajan, K. M.; and Amond, Carl A., to Celanese Corporation. Printable polyacetal compositions. 4,795,477, 1-3-89, Cl. 8-471.000.
Kusumgar, Rajal M.; and Paul, James L., to Hoechst Celanese Corporation. Conductive polyacetal composition exhibiting improved flexibility and toughness. 4,828,755, 5-9-89, Cl. 252-511.000.
Kusumi, Takenori: *See—*
Kakisawa, Hiroshi; Kusumi, Takenori; and Ohno, Nobuo, 4,840,658, Cl. 71-67.000.
Kusumi, Yasuo; Uno, Ken; and Fujino, Takuo, to Hoya Corporation. Process for producing glass mold. 4,882,827, 11-28-89, Cl. 29-527.200.
Kusumoto Chemicals Co., Ltd.: *See—*
Kobayashi, Nobutoshi, 4,826,556, Cl. 156-345.000.
Ohta, Hiroyuki; Yoshida, Naoki; and Goto, Hideo, 4,822,441, Cl. 156-345.000.
Kusumoto, Keiji; and Takano, Yoshiaki, to Minolta Camera Kabushiki Kaisha. Image forming apparatus equipped with a plurality of developing units. 4,801,972, 1-31-89, Cl. 355-14.00D.
Kusumoto, Keiji, to Minolta Camera Kabushiki Kaisha. Image forming apparatus. 4,857,957, 8-15-89, Cl. 355-314.000.
Kusumoto, Keiji, to Milolta Camera Kabushiki Kaisha. Copying apparatus capable of forming various types of images. 4,868,605, 9-19-89, Cl. 355-218.000.
Kusumoto, Keiji; and Nagata, Kenzo, to Minolta Camera Kabushiki Kaisha. Image forming apparatus having a plurality of feed openings. 4,881,104, 11-14-89, Cl. 355-309.000.
Kusumoto, Keiji: *See—*
Ito, Masazumi; Kusumoto, Keiji; Takano, Yoshiaki; and Noda, Takashi, 4,870,459, Cl. 355-209.000.
Miyamoto, Hirohisa; and Kusumoto, Keiji, 4,868,606, Cl. 355-218.000.
Kusumoto, Keizi, to Minolta Camera Kabushiki Kaisha. Apparatus for controlling the temperature of a heat roller. 4,821,069, 4-11-89, Cl. 355-14.0FU.
Kusumoto, Kenichi: *See—*
Ototani, Tohei; Degawa, Toru; Kusumoto, Kenichi; and Ebata, Makoto, 4,820,485, Cl. 420-78.000.
Kusumoto, Koji: *See—*
Hyodo, Masakatsu; Kusumoto, Koji; and Yagi, Isaburo, 4,871,413, Cl. 156-382.000.
Kusumoto, Koshi: *See—*
Hattori, Norikazu; Urabe, Sunao; and Kusumoto, Koshi, 4,877,854, Cl. 528-15.000.
Kusumoto, Shigehiro: *See—*
Okuyama, Hideaki; Kusumoto, Shigehiro; Watanabe, Keisuke; and Nagai, Kiyoshi, 4,852,958, Cl. 350-96.130.
Kusumoto, Toshihiko; Kasamura, Toshirou; Okuda, Naoki; Ohashi, Masashi; Sasaki, Nobukazu; and Nada, Minoru, to Canon Kabushiki Kaisha. Image forming apparatus with developing device accommodating means. 4,841,336, 6-20-89, Cl. 355-245.000.
Kusumoto, Toshihiko: *See—*
Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, 4,841,329, Cl. 355-245.000.
Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.
Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-7.000.
Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.
Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi;

Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.
Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.
Kusumoto, Yoshiro; Takakuwa, Kazuo; Ikuta, Tetsuya; Suzuki, Akitoshi; and Nakayama, Izumi, to Nihon Shinku Gijutsu Kabushiki Kaisha. Method for selectively depositing metal on a substrate. 4,849,260, 7-18-89, Cl. 427-250.000.
Kusumoto, Yoshiro: *See—*
Nakayama, Izumi; Suzuki, Akitoshi; Kusumoto, Yoshiro; Takakuwa, Kazuo; and Ikuta, Tetsuya, 4,800,105, Cl. 427-253.000.
Kusunoki, Hiroyuki: *See—*
Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.
Kusunoki, Kazuya: *See—*
Shibukawa, Yoshinori; Yasumoto, Taizo; Makiyama, Muneto; Murata, Shouichi; and Kusunoki, Kazuya, 4,865,786, Cl. 264-51.000.
Kusunoki, Masahiro; Saito, Toshiya; Okamura, Hiroshi; and Ohashi, Hiroshi, to Kabushiki Kaisha Toshiba; and Toshiba Computer Engineering Corporation. Magnetic recording/reproduction apparatus. 4,845,576, 7-4-89, Cl. 360-67.000.
Kusunoki, Masahiro: *See—*
Fujioka, Toshiyuki; Kusunoki, Masahiro; and Osafune, Koji, 4,803,571, Cl. 360-63.000.
Ohashi, Hiroshi; Fujioka, Toshiyuki; Kusunoki, Masahiro; Kimura, Susumu; and Takekado, Shigeru, 4,811,143, Cl. 360-105.000.
Kusunoki, Shigeru: *See—*
Bessyo, Daisuke; Maehara, Naoyoshi; Sakamoto, Kazuho; Kusunoki, Shigeru; and Matsumoto, Takahiro, 4,851,629, Cl. 219-10.55B.
Matsumoto, Takahiro; Suenaga, Haruo; Maehara, Naoyoshi; Sakamoto, Kazuho; Niwa, Takashi; Bessyo, Daisuke; Kusunoki, Shigeru; and Shitaya, Takao, 4,886,951, Cl. 219-10.55B.
Nishimura, Tadashi; Sugahara, Kazuyuki; Kusunoki, Shigeru; and Ohsaki, Akihiko, 4,845,537, Cl. 357-23.400.
Nishimura, Tadashi; Inoue, Yasuo; Sugahara, Kazuyuki; and Kusunoki, Shigeru, 4,861,418, Cl. 156-620.720.
Sakamoto, Kazuho; Shitaya, Takao; Kusunoki, Shigeru; Maehara, Naoyoshi; Niwa, Takashi; Matsumoto, Takahiro; and Bessyo, Daisuke, 4,812,960, Cl. 363-20.000.
Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, 4,822,752, Cl. 437-174.000.
Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, 4,870,031, Cl. 437-82.000.
Kusunoki, Toshimasa: *See—*
Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, 4,796,519, Cl. 98-97.000.
Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, 4,821,475, Cl. 52-235.000.
Kusuyama, Itaru: *See—*
Eguchi, Hiroyoshi; Yamada, Norio; Kusuyama, Itaru; and Saitou, Chikara, 4,839,798, Cl. 364-200.000.
Kusuyama, Kouichi: *See—*
Okuyama, Kousuke; Uchida, Ken; Kusuyama, Kouichi; Meguro, Satoshi; Katto, Hisao; and Komori, Kazuhiro, 4,818,716, Cl. 437-49.000.
Kusuzaki, Tetsuo: *See—*
Tsushima, Isao; Komoda, Norihisa; Yagi, Masao; and Kusuzaki, Tetsuo, 4,852,001, Cl. 364-401.000.
Kuszaj, Karl T.: *See—*
Graefe, Peter U.; and Kuszaj, Karl T., 4,844,944, Cl. 428-357.000.
Graefe, Peter U.; and Kuszaj, Karl T., 4,844,955, Cl. 428-420.000.
Kuszyk, Jack A.; and Kennedy, Christopher R., to Lanxide Technology Company, LP. Ceramic composite and methods of making the same. 4,874,569, 10-17-89, Cl. 264-60.000.
Kut Kwick Corporation: *See—*
Torras, Robert M., 4,876,846, Cl. 56-11.900.
Kutami, Atsushi; Hashimoto, Akira; and Takada, Yoshihiro, to Ricoh Co., Ltd. Image-forming belt supporting apparatus. 4,862,211, 8-29-89, Cl. 355-212.000.
Kutami, Atsushi: *See—*
Akiyoshi, Hideki; Tamura, Hiroshi; Kutami, Atsushi; and Takada, Yoshihiro, 4,837,120, Cl. 430-56.000.
Kutasy, Eugene: *See—*
Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.
Kuter, Geoff: *See—*
Sellew, Paul C.; and Kuter, Geoff, 4,869,877, Cl. 422-111.000.
Kuthi, Csaba: *See—*
Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.
Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
Kutilin, Eugen E., to Beloit Corporation. Method and apparatus for pretreating and debarking logs. 4,805,678, 2-21-89, Cl. 144-342.000.
Kutilin, Paul, to Boehler Ges.m.b.H. Measuring device with oscillation circuit including an exciting coil and tuned to a specific resonant frequency, for determining content of magnetizable substances in materials. 4,835,471, 5-30-89, Cl. 324-236.000.
Kutkus, Leonardas: *See—*
Pozniak, Donald J.; and Kutkus, Leonardas, 4,831,976, Cl. 123-188.00S.
Kutlvasr, Jiri: *See—*
Burysek, Frantisek; Sloupensky, Jiri; Boucek, Miroslav; Hortlik, Frantisek; Bace, Jiri ; Silar, Zdenek; and Kutlvasr, Jiri, 4,821,502, Cl. 57-263.000.
Kutner, Andrzej: *See—*
DeLuca, Hector F.; Kutner, Andrzej; and Schnoes, Heinrich K., 4,841,038, Cl. 536-27.000.
DeLuca, Hector F.; Schnoes, Heinrich K.; Kutner, Andrzej; Perlman, Kato L.; Sicinski, Rafal R.; and Phelps, Mary E., 4,847,012, Cl. 260-397.200.
DeLuca, Hector F.; Schnoes, Heinrich K.; Perlman, Kato L.; and Kutner, Andrzej, 4,851,401, Cl. 514-167.000.
Kutner, Thomas: *See—*
Engel, Gerhard; Kutner, Thomas; Stunkel, Rolf; and Wessel, Rolf, 4,817,574, Cl. 123-494.000.
Kutowy, Oleh; Tweddle, Thomas A.; and Hazlett, John D., to National Research Council of Canada. Method for the molecular filtration of predominantly aliphatic hydrocarbon liquids. 4,814,088, 3-21-89, Cl. 210-651.000.
Kutowy, Oleh: *See—*
Guiver, Michael D.; ApSimon, John W.; and Kutowy, Oleh, 4,797,457, Cl. 525-534.000.
Guiver, Michael D.; ApSimon, John W.; and Kutowy, Oleh, 4,833,219, Cl. 525-534.000.
Kutschera, Immanuel: *See—*
Abthoff, Jorg; Fortnagel, Manfred; Fricker, Ludwig; Kutschera, Immanuel; Kramer, Michael; and Kuhn, Michael, 4,836,161, Cl. 123-299.000.
Kutschera, Karlheinz; Seibert, Rudolf; Scharm, Walther; and Schwendtner, Manfred, to Siemens Aktiengesellschaft. Arrangement for introducing audio-frequency signals into a power supply line. 4,835,516, 5-30-89, Cl. 340-310.00R.
Kutschka, Joseph D.: *See—*
Mancini, Steven A.; and Kutschka, Joseph D., 4,858,851, Cl. 244-327.000.
Kutsov, Valentin D.: *See—*
Budyko, Viktor A.; Ivanchenko, Andrei F.; Krokhmal, Vladimir M.; Konovalenko, Vladimir V.; Nechvolodov, Georgy V.; Latochkin, Boris N.; and Kutsov, Valentin D., 4,885,654, Cl. 361-13.000.
Kutsukake, Masaki: *See—*
Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
Kutsuki, Hidetoshi; Sawa, Ikuo; Mori, Natsuki; Hasegawa, Junzo; and Watanabe, Kiyoshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing optically active 2-halo-1-phenyl ethanol. 4,857,468, 8-15-89, Cl. 435-280.000.
Kutsuki, Tetsuo: *See—*
Ikuhara, Hideyuki; Usui, Akira; Kubo, Kazuhiko; Nagai, Hiroyuki; and Kutsuki, Tetsuo, 4,835,492, Cl. 331-117.00D.
Kutsuma, Teruo: *See—*
Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,316, Cl. 546-214.000.
Kutsuzawa, Yoshiya: *See—*
Kunimune, Kouichi; Kutsuzawa, Yoshiya; Egawa, Hiromi; and Konotsune, Shiro, 4,818,806, Cl. 528-26.000.
Kuttner, Ralph, to Steel Casting Engineering, Ltd. Brush motor amplifier with overspeed protection. 4,800,324, 1-24-89, Cl. 318-293.000.
Kuttruf, Werner, to BW Hydraulik GmbH. Electrohydraulic control system. 4,825,745, 5-2-89, Cl. 91-24.000.
Kutz, David A.: *See—*
Renner, Robert E.; and Kutz, David A., 4,862,076, Cl. 324-158.00F.
Kutz, Donald A.: *See—*
Derhaag, Robert L.; and Kutz, Donald A., 4,815,143, Cl. 381-168.000.
Kutz, Heinrich: *See—*
Schmoll, Heinz; Schubert, Peter; Schubert, Hans A.; Schulze, Klaus; and Kutz, Heinrich, 4,796,456, Cl. 72-402.000.
Kutz, Johannes; and Keller, Walter, to Eduard Kusters Maschinenfabrik GmbH & Co. KG. Apparatus for supplying liquid to an elongated liquid reservoir. 4,862,713, 9-5-89, Cl. 68-21.000.
Kutz, Johannes; and von Harten, Gunter, to Eduard Kusters Maschinenfabrik GmbH & Co. KG. Apparatus for continuous treatment of a textile web. 4,878,365, 11-7-89, Cl. 68-9.000.
Kutz, Johannes: *See—*
Moser, Manfred; Itgenshorst, Dieter; and Kutz, Johannes, 4,872,325, Cl. 68-200.000.

Kutzli, Carl R.; and Rutter, James D., to Agnew Machine Company. Workpiece support for automated tooling. 4,799,586, 1-24-89, Cl. 198-803.010.
Kutzner, Luitpold: *See—*
Diermayer, Werner; and Kutzner, Luitpold, 4,838,481, Cl. 236-1.00G.
Kutzner, Martin: *See—*
Werdecker, Waltraud; Brunner, Dieter; and Kutzner, Martin, 4,818,626, Cl. 428-469.000.
Kuu, Wei-Youh, to Baxter International Inc. Needle-pierceable cartridge for drug delivery. 4,832,690, 5-23-89, Cl. 604-85.000.
Kuurstra, John C. Ammeter for use with A.C. electric power lines. 4,839,600, 6-13-89, Cl. 324-127.000.
Kuus, Gijsbert H. C.; and Heijnen, Godefridus, to U.S. Philips Corporation. Electric lamp having a metal foil with a convexly and concavely curved surface. 4,851,733, 7-25-89, Cl. 313-331.000.
Kuusela, Reijo: *See—*
Puumalainen, Pertti; and Kuusela, Reijo, 4,812,665, Cl. 250-571.000.
Kuusik, Uno: *See—*
Leising, Maurice B.; and Kuusik, Uno, 4,887,512, Cl. 91-471.000.
Kuvaja, Kari: *See—*
Erametsa, Henrik; Kuvaja, Kari; Maki-Kihnia, Kalevi; and Terava, Jorma, 4,842,336, Cl. 299-8.000.
Kuwa, Kazuhiro: *See—*
Miyagawa, Yuichi; Yoneda, Kiwamu; Kuwa, Kazuhiro; and Kogo, Katsuyuki, 4,854,153, Cl. 73-1.00G.
Kuwa, Tadahiro: *See—*
Kanazawa, Yasunori; Arai, Haruo; and Kuwa, Tadahiro, 4,799,123, Cl. 360-133.000.
Kanazawa, Yasunori; Nakamori, Yoshiyuki; Kuwa, Tadahiro; Fujimoto, Nobuyuki; and Abe, Shinichi, 4,811,151, Cl. 360-133.000.
Kuwabara, Akira; and Sakamoto, Manabu, to Ikeda Bussan Co., Ltd. Luggage carpet for motor vehicle. 4,848,826, 7-18-89, Cl. 296-97.230.
Kuwabara, Chihiro, to Eisai Co., Ltd. Method for removing bubbles from container made of synthetic resin filled with solution and device thereof. 4,861,166, 8-29-89, Cl. 366-219.000.
Kuwabara, Hedeki; Kitagawa, Atusi; and Kanbe, Masato, to Japan Styrene Paper Corporation. Method of production of expansion-molded article, from foamable thermoplastic resin particles and apparatus therefor. 4,822,542, 4-18-89, Cl. 264-50.000.
Kuwabara, Heikichi: *See—*
Nakajima, Tadakatsu; Nakayama, Wataru; Oohashi, Shigeo; Kuwabara, Heikichi; and Daikoku, Takahiro, 4,823,863, Cl. 165-80.400.
Kuwabara, Hideki; and Yoshimura, Shohei, to Japan Styrene Paper Corporation. Polypropylene resin prefoamed particles. 4,840,973, 6-20-89, Cl. 521-58.000.
Kuwabara, Hideki: *See—*
Akiyama, Hiroyuki; Izawa, Susumu; Kuwabara, Hideki; and Yamaguchi, Toru, 4,889,671, Cl. 264-53.000.
Kuwabara, Hidemitsu: *See—*
Hata, Ryosuke; Yamanouchi, Shosuke; Hirose, Masayuki; Kuwabara, Hidemitsu; Mizumoto, Yasuharu; and Hagiuda, Yasuhiro, 4,859,804, Cl. 174-25.00R.
Kuwabara, Kazuhiro: *See—*
Gunji, Yasuhiro; Okada, Sadayuki; Isogai, Masato; Kondo, Katsumi; Ibamoto, Masahiko; Kuwabara, Kazuhiro; and Kanke, Atsushi, 4,836,657, Cl. 350-350.00S.
Kuwabara, Kenichi; Takahashi, Toshiro; Adachi, Keiichi; and Okada, Masahiro, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,830,950, 5-16-89, Cl. 430-264.000.
Kuwabara, Kenichi; and Inagaki, Yoshio, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,865,947, 9-12-89, Cl. 430-264.000.
Kuwabara, Kenichi; and Miyata, Makoto, to Kabushiki Kaisha Kuwabara Seisakusho. Radiant wall burner apparatus. 4,887,961, 12-19-89, Cl. 431-177.000.
Kuwabara, Kenichi: *See—*
Miyata, Junji; Kuwabara, Kenichi; Takahashi, Toshiro; Inagaki, Yoshio; and Hirano, Shigeo, 4,847,180, Cl. 430-264.000.
Takahashi, Toshiro; Kuwabara, Kenichi; and Okada, Masahiro, 4,803,149, Cl. 430-264.000.
Takahashi, Toshiro; Kuwabara, Kenichi; Kameoka, Kimitaka; and Okada, Masahiro, 4,818,659, Cl. 430-264.000.
Kuwabara, Kouji; Yano, Makoto; and Umeda, Takao, to Hitachi, Ltd. Laser marker and method of laser marking. 4,818,833, 4-4-89, Cl. 219-121.600.
Kuwabara, Kouji: *See—*
Oohashi, Tuneyoshi; Takemori, Satoshi; Kichikawa, Toshimichi; Kuwabara, Kouji; and Sugawara, Hiroyuki, 4,818,892, Cl. 307-106.000.
Kuwabara, Nobuyuki; Hasegawa, Kou; Sugimura, Hideo; Nakajima, Kazuhiro; and Moriguchi, Haruhiko, to Canon Kabushiki Kaisha. Thermal transfer recording apparatus with electroconductive ink. 4,855,758, 8-8-89, Cl. 346-76.0PH.
Kuwabara, Nobuyuki; Hasegawa, Ko; Watanabe, Yuichi; and Moriguchi, Haruhiko, to Canon Kabushiki Kaisha. Driving method for thermal head and thermal printer utilizing the same. 4,870,428, 9-26-89, Cl. 346-76.0PH.
Kuwabara, Osamu: *See—*
Nambu, Masao; Kuwabara, Osamu; Okuno, Yoshihiko; and Ohban, Toshiyuki, 4,828,493, Cl. 433-199.100.
Kuwabara, Shigeaki: *See—*
Kakuta, Yonehiro; Takigawa, Kouichi; Noji, Akio; Kuwabara, Shigeaki; Shimada, Tadashi; and Iida, Michihiro, 4,811,492, Cl. 33-366.000.
Kuwabara, Tadashi: *See—*
Aotsu, Hiroaki; Ogura, Toshihiko; Kimura, Koichi; Kuwabara, Tadashi; and Makaya, Yuuichi, 4,849,907, Cl. 364-518.000.
Nonaka, Naomichi; Nakane, Keiichi; Kuwabara, Tadashi; Koreeda, Hiroyuki; Suzuki, Kazunari; and Masuda, Kiyoshi, 4,829,468, Cl. 364-900.000.
Kuwabara, Takao; Bando, Akira; Haraguchi, Eiji; and Nakagawa, Hiroto, to Hitachi Ltd. Control system for variable speed water-wheel generator apparatus. 4,823,018, 4-18-89, Cl. 290-7.000.
Kuwabara, Takao; and Takahashi, Kazuo, to Hitachi, Ltd. Automatic control system. 4,874,999, 10-17-89, Cl. 318-610.000.
Kuwabara, Takao: *See—*
Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, 4,816,696, Cl. 290-52.000.
Kuwabara, Takasi; Yoshiji, Takeo; and Tegawa, Masao, to Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for automatically coating a workpiece. 4,872,417, 10-10-89, Cl. 118-411.000.
Kuwabara, Tsutomu: *See—*
Ishijo, Osamu; Asama, Shoji; and Kuwabara, Tsutomu, 4,832,780, Cl. 156-360.000.
Kuwabara, Yohei; and Asaoka, Teruo, to Shizuoka Seiki Co., Ltd. Finishing method employing electro-chemical process. 4,883,568, 11-28-89, Cl. 204-129.430.
Kuwabara, Youhei; Asaoka, Teruo; Moriya, Masayoshi; Iwasaki, Yasuhiro; and Sugiyama, Haruki, to Shizuoka Seiki Co., Ltd. Electrolytic finishing system and method. 4,800,006, 1-24-89, Cl. 204-129.430.
Kuwabara, Youhei; Asaoka, Teruo; and Iwasaki, Yasuhiro, to Shizuoka Seiki Co., Ltd. Method for finishing a work. 4,842,702, 6-27-89, Cl. 204-129.430.
Kuwabara, Youhei; Asaoka, Teruo; Yoshioka, Shogo; and Sugiyama, Haruki, to Shizuoka Seiki Co., Ltd. Electrolytic finishing method and apparatus. 4,880,509, 11-14-89, Cl. 204-129.200.
Kuwabara, Youhei; Asaoka, Teruo; and Iwasaki, Yasuhiro, to Shizuoka Seiki Co., Ltd. Electro-chemical machine. 4,880,516, 11-14-89, Cl. 204-224.00M.
Kuwabara, Youhei; and Asaoka, Teruo, to Shizuoka Seiki Co., Ltd. Electrolytic finishing method. 4,885,066, 12-5-89, Cl. 204-129.430.
Kuwada, Atsushi: *See—*
Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, 4,816,860, Cl. 354-402.000.
Tsumazawa, Hiroyuki; Yoshioka, Daigo; and Kuwada, Atsushi, 4,862,279, Cl. 358-229.000.
Kuwada, Kazuhiko: *See—*
Michimoto, Takashi; Kudo, Saburo; Kuwada, Kazuhiko; and Ishida, Nobuyoshi, 4,881,883, Cl. 425-89.000.
Kuwae, Yoko: *See—*
Haruta, Masahiro; Kuwae, Yoko; Munakata, Hirohide; Yuasa, Satoshi; and Sugawa, Etsuko, 4,873,178, Cl 430-327.000.
Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, to Matsushita Electric Industrial Co., Ltd.; and Sanyo Chemical Industries, Ltd. Electrolyte for electrolytic capacitors and electrolytic capacitor using the electrolyte. 4,821,153, 4-11-89, Cl. 361-505.000.
Kuwahara, Hajime; Matsumoto, Takaharu; and Ono, Yutaka, to Yokogawa Electric Corporation. Functioning-distributed robot control system. 4,833,624, 5-23-89, Cl. 364-513.000.
Kuwahara, Heikichi; Takahashi, Kenji; Yanagida, Takehiko; Nakayama, Wataru; Sugimoto, Shigeo; and Oizumi, Kiyoshi, to Hitachi, Ltd.; and Hitachi Cable, Ltd. Method of producing a heat transfer tube for single-phase flow. 4,794,775, 1-3-89, Cl. 72-78.000.
Kuwahara, Hiroshi; Shibukawa, Masaru; and Izumita, Yuji, to Hitachi Ltd.; and Hitachi VLSi Engineering Corp. Duplicated equipment. 4,835,773, 5-30-89, Cl. 371-8.000.
Kuwahara, Ikuro: *See—*
Wakabayashi, Ataru; Umehara, Yohichi; Morie, Satsuki; Kuwahara, Ikuro; and Okada, Yoshimi, 4,874,483, Cl. 204-94.000.
Kuwahera, Mark E. Towel glove. 4,843,652, 7-4-89, Cl. 2-167.000.
Kuwahara, Masaji: *See—*
Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,836,323, Cl. 180-270.000.
Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,844,507, Cl. 280-802.000.
Kuwahara, Tadao: *See—*
Murata, Hiroyuki; Chiji, Masahiro; Tanaka, Takeshi; Kuwahara, Tadao; Kiuchi, Harunaga; and Cho, Masamichi, 4,834,298, Cl. 241-5.000.
Kuwahara, Toru, to Isuzu Motors Limited. Rear axlecase and methods of manufacturing thereof. 4,843,906, 7-4-89, Cl. 74-607.000.
Kuwahara, Wataru; Shirai, Etsuo; Nagamatsu, Hiroaki; and Moriyama, Kazuhiko, to Mazda Motor Corporation. Shift lever assembly and method of assembling. 4,862,760, 9-5-89, Cl. 74-473.00R.
Kuwahara, Yoshihiko, to NEC Corporation. Microwave landing system. 4,890,110, 12-26-89, Cl. 342-35.000.
Kuwahara, Yutaka: *See—*
Hirosawa, Toshio; Ohki, Masaru; and Kuwahara, Yutaka, 4,809,163, Cl. 364-200.000.
Kuwait Institute for Scientific Research: *See—*
Lahalih, Shawqui; and Absi-Halabi, Ma'mun, 4,797,433, Cl. 524-3.000.

Lahalih, Shawqui; Akashah, Saed-El-Deen; and Al-Hajjar, Farouk, 4,845,888, Cl. 47-9.000.

Kuwajima, Goro: *See—*
Asaka, Junichiro; Fujiwara, Tamio; Fujiwara, Takashi; Kuwajima, Goro; Kondo, Eiji; and Shin, Masaru, 4,886,748, Cl. 435-69.700.

Kuwajima, Takeshi, to NEC Corporation. Video signal processing circuit for VTR system. 4,860,099, 8-22-89, Cl. 358-148.000.

Kuwajima, Teruaki; Uenoyama, Kazuo; Takae, Masaki; and Okuda, Hidefumi, to Nippon Paint Co., Ltd. Method of painting. 4,812,335, 3-14-89, Cl. 427-407.100.

Kuwajima, Teruaki; Umeda, Shinichiro; and Okuda, Hidefumi, to Nippon Paint Co., Ltd. Metallic/clear coat system. 4,820,555, 4-11-89, Cl. 427-407.100.

Kuwajima, Teruaki; Miwa, Hiroshi; and Ishikura, Shinichi, to Nippon Paint Co., Ltd. Aqueous dispersion type resin composition and an aqueous coating composition containing the same. 4,822,831, 4-18-89, Cl. 523-421.000.

Kuwajima, Teruaki: *See—*
Okai, Toshihiro; Okumura, Yoshiaki; Oda, Mitsuyuki; Yamamoto, Takashi; and Kuwajima, Teruaki, 4,885,032, Cl. 75-251.000.

Kuwakado, Satosi: *See—*
Kato, Masahiko; Katou, Masanori; Kuwakado, Satosi; Tanaka, Katsuyuki; and Ito, Koji, 4,805,733, Cl. 181-206.000.
Kawai, Naoki; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; Ina, Toshikazu; and Kuno, Akira, 4,822,093, Cl. 296-65.100.
Onimaru, Sadahisa; Shimogawa, Toshiaki; Taguchi, Masahiro; and Kuwakado, Satosi, 4,802,706, Cl. 296-68.000.
Sakakibara, Kazuo; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; and Ina, Toshikazu, 4,807,934, Cl. 297-403.000.

Kuwamoto, Hiroshi; Jitsukawa, Masaharu; and Hosoya, Yoshihiro, to Nippon Kokan Kabushiki Kaisha. Steel foil having excellent shielding characteristics to electromagnetic waves. 4,810,589, 3-7-89, Cl. 428-606.000.

Kuwamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, to Nippon Kokan Kabushiki Kaisha; and Yushiro Chemical Industry Co., Ltd. Water-soluble temper rolling oil and method of temper rolling. 4,883,606, 11-28-89, Cl. 252-32.500.

Kuwamoto, Yoshitomo: *See—*
Nakagawa, Junichi; and Kuwamoto, Yoshitomo, 4,864,634, Cl. 455-76.000.

Kuwamura, Shinichi; and Ooka, Masataka, to Dainippon Ink and Chemicals, Inc. Resin composition. 4,886,862, 12-12-89, Cl. 526-247.000.

Kuwamura, Shinichi: *See—*
Ooka, Masataka; Kuwamura, Shinichi; and Ozawa, Hiroshi, 4,818,790, Cl. 525-103.000.

Kuwamura, Shinji: *See—*
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Kuwana, Katsuyuki: *See—*
Nakanishi, Hikaru; Kamiya, Masahiro; Kuwana, Katsuyuki; and Ishizuka, Hiroaki, 4,808,378, Cl. 422-48.000.

Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Antiskid apparatus. 4,834,468, 5-30-89, Cl. 303-116.000.

Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Antiskid apparatus. 4,842,344, 6-27-89, Cl. 303-117.000.

Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Antiskid apparatus. 4,846,535, 7-11-89, Cl. 303-117.000.

Kuwano, Eiichi; Takeya, Ryuko; Eto, Morifusa; and Asano, Shoji, to Earth Chemical Co., Ltd. 1,5-Disubstituted imidazoles as inhibitors of juvenile hormone. 4,812,473, 3-14-89, Cl. 514-396.000.

Kuwano, Hiroaki; Kawanami, Takao; Okudaira, Ken; and Tanaka, Akihiro, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha; Nippon Steel Corporation; and Kabushiki Kaisha Toshiba. Multi-pass rolling method and multi-path rolling-mill stand for carrying out said method. 4,843,855, 7-4-89, Cl. 72-16.000.

Kuwano, Hiromichi, to Texas Instruments Incorporated. High withstand voltage output. 4,857,780, 8-15-89, Cl. 307-574.000.

Kuwano, Yukinori; Tsujino, Yoshikazu; and Hamada, Yuji, to Sanyo Electric Co., Ltd. Radiation-sensitive high-polymeric material. 4,855,214, 8-8-89, Cl. 430-281.000.

Kuwano, Yukinori: *See—*
Matsuyama, Takao; Tarui, Hisaki; Tsuda, Shinya; Nakano, Shoichi; and Kuwano, Yukinori, 4,799,087, Cl. 357-4.000.
Nakashima, Saburo; Nakayama, Shoichiro; Noguchi, Shigeru; Nakano, Shoichi; Kuwano, Yukinori; Watanabe, Kaneo; and Kuriyama, Hiroyuki, 4,831,429, Cl. 357-30.000.
Sakai, Souichi; Nakano, Shoichi; and Kuwano, Yukinori, 4,824,488, Cl. 136-244.000.
Takeuchi, Masaru; Fukatsu, Takeo; Nakano, Shoichi; Kuwano, Yukinori; Minami, Koji; and Iwamoto, Masayuki, 4,841,328, Cl. 355-211.000.
Takeuchi, Masaru; Gotoh, Kazuyuki; Wakisaka, Kenichiro; Honma, Kazuhiko; Fukatsu, Takeo; Nakano, Shoichi; and Kuwano, Yukinori, 4,885,226, Cl. 430-65.000.
Tsujino, Yoshikazu; Hamada, Yuji; Sakata, Masakazu; Fujii, Takanori; and Kuwano, Yukinori, 4,874,646, Cl. 428-34.100.

Kuwaoka, Toshiharu; and Kanai, Minoru, to Victor Company of Japan, Ltd. Interface circuit. 4,847,873, 7-11-89, Cl. 375-99.000.

Kuwashima, Junji: *See—*
Hashimoto, Masanori; Yamamoto, Takeshi; Kawachi, Toru; Kuwashima, Junji; and Kitaoka, Hirokazu, 4,885,168, Cl. 424-95.000.

Kuwashiro, Yutaka, to Mitsubishi Denki Kabushiki Kaisha. Memory device including memories having different capacities. 4,809,234, 2-28-89, Cl. 365-230.000.

Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Nishikawa, Masahiro; Matsuoka, Tomizo; and Abe, Atsushi, to Matsushita Electric Industrial Co., Ltd. Electroluminescence display panel configured for minimized power consumption. 4,847,609, 7-11-89, Cl. 340-781.000.

Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Abe, Atsushi; and Matsuoka, Tomizo, to Matsushita Electric Industrial Co., Ltd. Dielectric thin film, and method for making the thin film. 4,888,246, 12-19-89, Cl. 428-432.000.

Kuwata, Jun: *See—*
Nishikawa, Masahiro; Tohda, Takao; Kuwata, Jun; Fujita, Yosuke; Matsuoka, Tomizo; and Abe, Atsushi, 4,869,973, Cl. 428-690.000.

Kuwata, Naoki: *See—*
Nishimoto, Hiroshi; Touge, Takashi; Okiyama, Tadashi; Kuwata, Naoki; and Arai, Yasunari, 4,884,278, Cl. 372-26.000.

Kuwata, Sinichi; Katoh, Hiromasa; and Ono, Mitsumasa, to Mitsubishi Chemical Industries Limited. Method for measuring the water content of a solid sample using Karl Fischer's coulometric titration. 4,802,957, 2-7-89, Cl. 204-1.00T.

Kuwata, Tamotsu; and Ohtomo, Hideo, to Meiji Milk Products Company Limited. Method for removing β-lactoglobulin from bovine milk whey. 4,834,994, 5-30-89, Cl. 426-271.000.

Kuwatsuka, Shunichiro: *See—*
Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.
Matsuyama, Haruhiko, Shoji, Fusaji; Kuwatsuka, Shunichiro; and Sugimoto, Kenji, 4,824,731, Cl. 428-473.500.
Togawa, Eisei; Suzuki, Saburo; Sugimoto, Kenji; and Kuwatsuka, Shunichiro, 4,841,624, Cl. 29-603.000.

Kuwatsuka, Toshiaki: *See—*
Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kuwatsuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, 4,814,337, Cl. 514-269.000.

Kuwayama, Tetsuro: *See—*
Kushibiki, Nobuo; Yoshinaga, Yoko; Taniguchi, Naosato; and Kuwayama, Tetsuro, 4,871,411, Cl. 156-249.000.

Kuwayama, Yoshinari; Yokoyama, Fumitomo; Kuramochi, Koujiro; and Kyushima, Tatsuo, to Aisin-Warner Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Magnetic oil strainer. 4,839,041, 6-13-89, Cl. 210-168.000.

Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, to Aisin-Warner Kabushiki Kaisha. Hydraulic control device for automatic transmission. 4,850,251, 7-25-89, Cl. 74-866.000.

Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, to Aisin-Warner Kabushiki Kaisha. Manual valve in an automatic transmission. 4,875,392, 10-24-89, Cl. 74-867.000.

Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, to Aisin-Warner Kabushiki Kaisha. Hydraulic servo regulating systems in an automatic transmission. 4,889,016, 12-26-89, Cl. 74-868.000.

Kuwica, Daniel. Roller nose bar. 4,813,135, 3-21-89, Cl. 30-384.000.

Kuyama, Hiroki: *See—*
Oka, Syotaro; Kita, Junichi; Kuyama, Hiroki; and Kiri, Motoaki, 4,867,850, Cl. 204-15.000.

Kuyama, Hiroshi: *See—*
Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, 4,883,596, Cl. 210-638.000.

Kuykendall, Jacob E., to Right Way Golf. Golf putter. 4,795,158, 1-3-89, Cl. 273-164.000.

Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., to Shell Oil Company. Process for the preparation of polycarbonates. 4,826,887, 5-2-89, Cl. 521-189.000.

Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., to Shell Oil Company. Process for the preparation of polycarbonates from epoxy compound and carbon dioxide. 4,826,952, 5-2-89, Cl. 528-405.000.

Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., to Shell Oil Company. Process for the preparation of polycarbonates from epoxy compound and carbon dioxide. 4,826,953, 5-2-89, Cl. 528-405.000.

Kuypers, Theo W.: *See—*
Bohren, Hans-Ueli; Kuypers, Theo W.; and Meister, Niklaus, 4,871,573, Cl. 426-588.000.

Kuypers, Willem F.; and Hasenack, Hendrikus J. A., to Shell Oil Company. Partial combustion burner. 4,858,538, 8-22-89, Cl. 110-264.000.

Kuzara, George P., Jr., to Pressteel, Inc. Method and apparatus for preparing a frame for installation in a door opening. 4,829,727, 5-16-89, Cl. 52-127.200.

Kuzas, George S., to Firestone Tire & Rubber Company, The. Tire testing apparatus. 4,829,815, 5-16-89, Cl. 73-146.000.

Kuze, Yoshikazu. Read-only sequence control system. 4,8[illegible], 3-21-89, Cl. 377-16.000.

Kuze, Yoshikazu. Wax-pellet thermostat. 4,828,167, 5-9-89, Cl. 236-34.500.

Kuzma, Janusz, to Cochlear Pty. Ltd. Electrode assembly for cochlear implant. 4,809,712, 3-7-89, Cl. 128-784.000.

Kuzmanovich, Zivko. Method and apparatus for selecting a medication injection site. 4,838,854, 6-13-89, Cl. 604-49.000.

Kuzmin, Vladimir N.: *See—*
Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexr D.

Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bakin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.

Kuznetsov, Oleg V.: *See—*
Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikolai G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshits, Semen V., 4,854,820, Cl. 415-171.100.

Kuznetsov, Vyacheslav I.: *See—*
Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikolai G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshits, Semen V., 4,854,820, Cl. 415-171.100.

Kuznetsova, Tatyana S., administrator: *See—*
Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.

Kuznetz, Lawrence. Ventilated and insulated athletic shoe. 4,813,160, 3-21-89, Cl. 36-3.00R.

Kuzniar, Pual S.: *See—*
Kane, Robert F.; Portugal, Joseph J.; and Kuzniar, Pual S., 4,867,015, Cl. 76-108.00A.

Kuznicki, Steven M., to Engelhard Corporation. Large-pored crystalline titanium molecular sieve zeolites. 4,853,202, 8-1-89, Cl. 423-326.000.

Kuznicki, William J.: *See—*
Guzik, Andrzej T.; Kuznicki, William J.; and Tsatskin, Serafima, 4,828,153, Cl. 224-242.000.

Kuzovlev, Nikolai F.: *See—*
Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kuzovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I., 4,847,065, Cl. 424-5.000.

Kuzuno, Katsutoshi; Ishizuka, Shigeo; Sakurai, Kazuaki; and Watanabe, Hiroshi, to Yazaki Corporation. Watertight connector. 4,820,181, 4-11-89, Cl. 439-272.000.

Kuzuno, Katsutoshi; Ishizuka, Shigeo; and Sakurai, Kazuaki, to Yazaki Corporation. Multipolar connector. 4,850,890, 7-25-89, Cl. 439-310.000.

Kuzuno, Katsutoshi; Watanabe, Hiroshi; and Ishizuka, Shigeo, to Yazaki Corporation. Bound flat wiring harness, bent flat wiring harness, and methods of producing each. 4,880,943, 11-14-89, Cl. 174-72.00A.

Kuzuno, Katsutoshi: *See—*
Ishizuka, Shigeo; and Kuzuno, Katsutoshi, 4,875,873, Cl. 439-347.000.

Kuzunuki, Soshiro; Shojima, Hiroshi; Miura, Masaki; Mori, Junko; and Mifune, Toshimi, to Hitachi, Ltd. Real time handwritten character input system. 4,860,372, 8-22-89, Cl. 382-13.000.

Kuzuu, Kazuto: *See—*
Sakata, Tetshin; Kuzuu, Kazuto; Ito, Hideo; and Oouchi, Akira, 4,819,980, Cl. 296-35.100.

Kuzuya, Susumu; Sakanobe, Minoru; Takagi, Yukihito; Oku, Nobuaki; Sasaki, Toyonori; and Sagawa, Kazuyoshi, to Brother Kogyo Kabushiki Kaisha. Supporting apparatus for movably supporting an attachment apparatus relative to a basic apparatus. 4,795,120, 1-3-89, Cl. 248-289.100.

Kuzuya, Yasuhisa: *See—*
Nagata, Takuji; and Kuzuya, Yasuhisa, 4,853,263, Cl. 428-31.000.

Kuzyk, Andrew, to Tetrad Marketing/Sales Ltd. Interlock system for ready to assemble furniture, and furniture incorporating such system. 4,886,326, 12-12-89, Cl. 312-257.100.

Kuzyk, Roman, and Edwards, Lewis M., to Kuzyk, Roman. Automatic film processors. 4,890,131, 12-26-89, Cl. 354-299.000.

Kuzzora, Thaddaeus: *See—*
Dokoupil, Jiri; and Kuzzora, Thaddaeus, 4,856,201, Cl. 34-1.000.

KV Pharmaceutical Company: *See—*
Hermelin, Marc S.; Kirschner, Mitchell I.; and Paradissis, George N., 4,844,906, Cl. 424-454.000.

Kvaerner Engineering A.S.: *See—*
Kalvenes, Bjorn K.; Guthormsen, Oyvind; and Erstad, Troels, 4,842,075, Cl. 166-341.000.

Kvaerner-Eureka A/S: *See—*
Skarstad, Torgeir, 4,840,535, Cl. 415-168.200.

Kvale, Christopher W. Bicycle frame alignment tool. 4,868,993, 9-26-89, Cl. 33-608.000.

Kvalnes, Donovan E.: *See—*
Gorski, Robert A.; Eiseman, Bernhardt J., Jr.; and Kvalnes, Donovan E., 4,873,021, Cl. 252-364.000.

Kvalo, Michael L., to Critikon, Inc. Winged catheter assembly. 4,863,432, 9-5-89, Cl. 604-177.000.

Kvalo, Michael M., to Critikon, Inc. Over-the-needle catheter assembly. 4,828,549, 5-9-89, Cl. 604-164.000.

Kvam, Donald C., to Riker Laboratories, Inc. Anti-glaucoma use of trifluoromethanesulfonamide. 4,824,866, 4-25-89, Cl. 514-601.000.

Kvant, Magnus, to General Chemical Corporation. Manufacture of a basic metal hydroxysulfate complex in solid form. 4,814,106, 3-21-89, Cl. 252-363.500.

Kvaser Consultant, AB: *See—*
Fredriksson, Lars-Berno, 4,841,450, Cl. 364-468.000.

Kvavle, Robert C. Method for forming composite metal articles. 4,815,652, 3-28-89, Cl. 228-176.000.

Kveglis, Albert A.; and Catena, Robert I., to Sun Chemical Corporation. Polyamide/acrylic graft copolymers. 4,870,139, 9-26-89, Cl. 525-420.500.

Kveglis, Albert A.; and Gruben, Arnold H., to Sun Chemical Corporation. Semi-polar hyperdispersants for pigment bases. 4,882,436, 11-21-89, Cl. 548-354.000.

Kverneland A/S: *See—*
Watvedt, Jorn, 4,825,955, Cl. 172-1.000.

Kvita, Petr: *See—*
Galli, Roberto; and Kvita, Petr, 4,838,895, Cl. 8-527.000.
Lacroix, Roger; Chatelain, Roland; and Kvita, Petr, 4,851,011, Cl. 8-527.000.

KVM Engineering, Inc.: *See—*
Kraft, Thomas L.; Vick, Howard A.; Meador, James W.; and Johnson, Corrine, 4,809,707, Cl. 128-736.000.
Kraft, Thomas L.; Vick, Howard A.; and Meador, James W., 4,819,657, Cl. 128-736.000.

KVT Kunststoffverfahrenstechnik GmbH & Co.: *See—*
Hilterhaus, Karl-Heinz, 4,827,005, Cl. 556-414.000.
Hilterhaus, Karl-Heinz, 4,871,829, Cl. 528-48.000.

KV33 Corporation: *See—*
Huffman, Ronald E., 4,842,242, Cl. 249-54.000.

KW Battery Company: *See—*
Eggers, Mark L., 4,855,196, Cl. 429-139.000.

Kwa, Peter T. H., to Northern Telecom Limited. Optical connector. 4,863,232, 9-5-89, Cl. 350-96.200.

Kwack, Eug Y.: *See—*
Shakkottai, Parthasarathy; Kwack, Eug Y.; and Venkate-Shan, Shakkottai P., 4,876,889, Cl. 73-336.500.

Kwack, Tae H., to Mobil Oil Corporation. Apparatus for stretching a thermoplastic material web. 4,862,564, 9-5-89, Cl. 26-89.000.

Kwak, Kyu Ho. Valve means for toothbrush containing toothpaste dispenser therein. 4,826,341, 5-2-89, Cl. 401-280.000.

Kwak, Won S.; and Chen, Chin-Wen, to PPG Industries, Inc. Photochromic spiro(indoline)benzoxazines. 4,816,584, 3-28-89, Cl. 544-71.000.

Kwak, Won S., to PPG Industries, Inc. Spiro indoline-pyranobenzoxazinones. 4,831,142, 5-16-89, Cl. 544-71.000.

Kwan, Henry K. H., to Schering Corporation. Biologically stable interferon compositions comprising thimerosal. 4,847,079, 7-11-89, Cl. 424-85.700.

Kwan, Jaime T. F.; and Robinson, Richard A., to McDonnell Douglas Corporation. Chip carrier sealing and bonding fixture. 4,804,130, 2-14-89, Cl. 228-6.200.

Kwan, Sik-Piu: *See—*
Bangs, Richard G.; Grey, Michael O.; and Kwan, Sik-Piu, 4,806,948, Cl. 346-76.0PH.

Kwang-Chien, Fong. Coordinate vector method for optical input device. 4,880,967, 11-14-89, Cl. 250-221.000.

Kwang-Chien, Fong. Optical input cursor device using optical grid means. 4,880,968, 11-14-89, Cl. 250-221.000.

Kwarta, Michelle S.; Helenbrook, Howard J.; and Spence, John M., to Eastman Kodak Company. Electrophotographic toner and developer compositions containing dioctylsulfosuccinate and sodium benzoate charge control agents. 4,814,250, 3-21-89, Cl. 430-110.000.

Kwasegroch, John G.: *See—*
Fuller, Terry A.; and Kwasegroch, John G., 4,883,054, Cl. 128-303.100.

Kwasniewski, Dale L.: *See—*
Schultz, Gary R.; and Kwasniewski, Dale L., 4,883,106, Cl. 152-417.000.

Kwauka, Gerd-Georg, to Mohndruck Graphische Betriebe GmbH. Device for the stacking and/or palleting of, in particular, thin products of a printing press operation. 4,820,104, 4-11-89, Cl. 414-791.000.

KWC AG: *See—*
Blattler, Ernst, 4,873,830, Cl. 62-3.300.
Graber, Heinz, 4,823,841, Cl. 137-625.410.

Kwech, Horst, to Westinghouse Electric Corp. Multi-function pipe machining apparatus. 4,813,314, 3-21-89, Cl. 82-113.000.

Kwech, Horst, to Westinghouse Electric Corp. Robotic arm. 4,822,238, 4-18-89, Cl. 414-730.000.

Kwee, Bobby L. S.; and Egberink, Johannes G. J., to Akzo N.V. Pharmaceutical preparation for obtaining a highly viscose hydrogel or suspension. 4,818,517, 4-4-89, Cl. 424-488.000.

Kwekerij de Bollard B.V.: *See—*
den Daas, Jan W., 4,879,840, Cl. 47-58.000.

Kwestroo, Wim: *See—*
Hasker, Jan; Van Esdonk, Johannes; and Kwestroo, Wim, 4,873,052, Cl. 419-2.000.

Kwiatek, Alfred, to Bertek, Inc. Method of making laminated articles and articles made therefrom. 4,854,610, 8-8-89, Cl. 282-11.50A.

Kwiatek, David J., to Harper-Wyman Company. Spark ignited gas burner assembly. 4,810,188, 3-7-89, Cl. 431-266.000.

Kwiatek, David J., to Harper-Wyman Company. Integral spark ignited gas burner assembly. 4,846,671, 7-11-89, Cl. 431-266.000.

Kwiatkowski, George T.: *See—*
Clendinning, Robert A.; Harris, James E.; Kwiatkowski, George T.; McMaster, Lee P.; Matzner, Markus; and Winslow, Paul A., 4,861,915, Cl. 568-328.000.

Cotter, Robert J.; Rimsa, Stephen B.; Barclay, Robert, Jr.; Kwiatkowski, George T.; and Harris, James E., 4,849,503, Cl. 528-171.000.

Koleske, Joseph V.; and Kwiatkowski, George T., 4,812,488, Cl. 522-31.000.

Koleske, Joseph V.; and Kwiatkowski, George T., 4,840,978, Cl. 522-169.000.

Koleske, Joseph V.; and Kwiatkowski, George T., 4,874,798, Cl. 522-31.000.

Matzner, Markus; Kwiatkowski, George T.; and Robeson, Lloyd M., 4,870,153, Cl. 528-125.000.

Kwik-File, Inc.: *See—*

Nelson, Robert A.; and Altman, Carroll C., 4,796,792, Cl. 225-72.000.

Kwik Kool, Inc.: *See—*

Robertson, James D.; and Balthaser, Paul E., 4,852,769, Cl. 222-83.500.

Kwik Products International Corporation: *See—*

Hubbard, Elbert M.; and Diener, Rudolf, 4,869,850, Cl. 261-88.000.

Kwik-Way Manufacturing Corporation: *See—*

Berkeley, James E.; and Franck, Timothy D., 4,837,982, Cl. 51-165.900.

Kwikset Corporation: *See—*

Pechar, Stanley, 4,844,522, Cl. 292-169.000.

Kwok, Hoi S.: *See—*

Copley, John A.; Kwok, Hoi S.; and Domankevitz, Yacov, 4,870,244, Cl. 219-121.700.

Kwok, Hoi-Sing: *See—*

Shaw, David T.; Witanachchi, Sarath; and Kwok, Hoi-Sing, 4,874,741, Cl. 505-1.000.

Kwok, John C.: *See—*

Cassola, Adrian; Kwok, John C.; Robinson, Keith J.; Smith, Brian H. A.; and Longuet, Michel, 4,877,832, Cl. 525-64.000.

Kwok, Siang P., to Ford Microelectronics, Inc. Method of manufacturing self-aligned GaAs MESFET. 4,863,879, 9-5-89, Cl. 437-41.000.

Kwoka, Georg, to Viscodrive GmbH. Viscous shear coupling. 4,874,058, 10-17-89, Cl. 180-248.000.

Kwoka, Mark A.: *See—*

Colquitt, Michael L.; Gerke, Robert D.; Kwoka, Mark A.; and Foster, Dennis M., 4,801,065, Cl. 228-19.000.

Kwon, Chui-Hoon: *See—*

Nagasawa, Herbert T.; and Kwon, Chul-Hoon, 4,870,056, Cl. 514-19.000.

Kwon, Hae W.: *See—*

Chung, Seung T.; Kwon, Hae W.; and Park, Tae S., 4,807,213, Cl. 369-46.000.

Kwon, Hisung, to Samsung Electronics Co., Ltd. Power source switching circuit. 4,873,454, 10-10-89, Cl. 307-140.000.

Kwon, In K.: *See—*

Cho, Hae S.; and Kwon, In K., 4,876,763, Cl. 15-329.000.

Kwon, O'Dae; and Solc, Jitka, to Dow Chemical Company, The. Composites of coercive particles and superparamagnetic particles. 4,824,587, 4-25-89, Cl. 252-62.550.

Kwon, Sukky: *See—*

Allcock, Harry R.; Austin, Paul E.; and Kwon, Sukky, 4,880,622, Cl. 424-78.000.

Kwon, Sung T.; and Choi, Jung Hyuk, to Gold Star Co., Ltd. Compact cassette type video tape recorder having single actuating plate. 4,796,116, 1-3-89, Cl. 360-85.000.

Kwon, Sung T., to Gold Star Co., Ltd. Apparatus for driving loading gears in a video cassette-tape recorder. 4,807,065, 2-21-89, Cl. 360-85.000.

Kwon, Y. D.: *See—*

Harpell, G. A.; Li, H. L.; Kwon, Y. D.; and Prevorsck, D. C., 4,883,700, Cl. 428-113.000.

Harpell, Gary A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., 4,820,568, Cl. 428-113.000.

Kwon, Young D.; Kavesh, Sheldon; and Prevorsek, Dusan C., to Allied-Signal Inc. Method for preparing tenacity and modulus polyacrylonitrile fiber. 4,883,628, 11-28-89, Cl. 264-178.00F.

Kwong, Edward Y.: *See—*

Elsner, Matthew; Iida, Yoshio; Kwong, Edward Y.; and Rahim, Omar M., 4,839,828, Cl. 364-518.000.

Kwong, Sze-Keung; Lau, Kam Y.; Bar-Chaim, Nadav; and Ury, Israel, to Ortel Corporation. Superluminescent diode and single mode laser. 4,843,611, 6-27-89, Cl. 372-46.000.

Kwong, Sze-Keung: *See—*

Kyuma, Kazuo; Kwong, Sze-Keung; and Yariv, Amnon, 4,803,429, Cl. 324-244.000.

Kyburz, Emilio: *See—*

Aschwanden, Werner; Imhof, Rene ; Jakob, Roland; and Kyburz, Emilio, 4,876,340, Cl. 540-461.000.

Aschwenden, Werner; Imhof, Rene ; Jakob-Roetne, Roland; and Kyburz, Emilio, 4,883,815, Cl. 514-541.000.

Hunkeler, Walter; Kyburz, Emilio; and Meier, Marc, 4,863,920, Cl. 514-219.000.

Kychakoff, George: *See—*

Howe, Robert D.; and Kychakoff, George, 4,865,443, Cl. 356-4.000.

Kyhl, Henry, to Buhl Industries, Inc. Overhead projector. 4,795,252, 1-3-89, Cl. 353-122.000.

Kykta, Martin A.: *See—*

Johnson, Richard H.; Kykta, Martin A.; and Jarrett, Steven M., 4,827,334, Cl. 358-60.000.

Kyle Ag-Pro, Inc.: *See—*

Kyle, Garnet M., 4,834,190, Cl. 172-704.000.

Kyle, Garnet M., to Kyle Ag-Pro, Inc. Spring tine and detachably secured attachment. 4,834,190, 5-30-89, Cl. 172-704.000.

Kyle, Robert A.: *See—*

Evans, Elizabeth L.; Gonchoroff, Nick J.; Greipp, Philip R.; Houck, David W.; Katzmann, Jerry A.; Kyle, Robert A.; and Loken, Michael R., 4,885,237, Cl. 435-6.000.

Kyle, Teresa M.; Meunier, Paul J.; and MacPherson, Edwin J., to Fiberglas Canada Inc. Process for manufacturing closed cell phenolic foams. 4,882,364, 11-21-89, Cl. 521-136.000.

Kyler, Arlene. Display and dispensing apparatus. 4,839,976, 6-20-89, Cl. 40-42.000.

Kyllonen, Allen W.: *See—*

Hart, James E.; Allan, Earl E.; and Kyllonen, Allen W., 4,830,148, Cl. 188-52.000.

Kyminas, Stanley C.; Phillips, John C.; and Einhaus, Bernard J., to Celotex Corporation, The. Coating for roof surfaces. 4,859,723, 8-22-89, Cl. 524-31.000.

Kyo, Sunao; Omura, Katsumi; and Mochizuki, Akira, to Kuraray Co., Ltd. Novel alternate copolymers. 4,814,425, 3-21-89, Cl. 526-262.000.

Kyocera Corporation: *See—*

Atsuta, Toshikatsu; Hirotaka, Shiroshita; Shinzawa, Fumio; Matsuo, Eiki; and Koinuma, Toshiaki, 4,834,514, Cl. 350-429.000.

Endo, Akihiko; Takeda, Shigeki; and Takeda, Hiroshi, 4,841,545, Cl. 375-1.000.

Fujinaka, Hiroshi; and Terasawa, Masami, 4,806,334, Cl. 428-631.000.

Hagiwara, Yoichi; Shimizu, Kenichi; and Tanaka, Satoshi, 4,806,160, Cl. 106-1.120.

Hirabayashi, Masaya; and Noda, Iwao, 4,877,402, Cl. 433-218.000.

Kawamura, Takao; and Nakayama, Yoshikazu, 4,826,748, Cl. 430-60.000.

Kawamura, Takao; Miyamoto, Naooki; Ito, Hiroshi; Takemura, Hitoshi; Ohkawa, Kazumasa; and Ishibitsu, Kokichi, 4,882,252, Cl. 430-58.000.

Kitamura, Yasuhiro, 4,840,630, Cl. 623-22.000.

Kondo, Hirohito, 4,818,046, Cl. 350-6.800.

Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.

Miwa, Takeru; and Noda, Iwao, 4,878,914, Cl. 623-16.000.

Nakamura, Katsumi; and Yamamoto, Tadahisa, 4,853,271, Cl. 428-81.000.

Noto, Hiroshi; Hayashida, Nobuyuki; Kojima, Taketoshi; Ito, Makoto; and Kambayashi, Osamu, 4,885,580, Cl. 341-23.000.

Okabayashi, Yoshikatsu, 4,870,521, Cl. 360-103.000.

Okawa, Takashi, 4,866,017, Cl. 501-139.000.

Okuda, Norio; Nakanishi, Noriyoshi; Yamamoto, Masahiro; Takenishi, Shinsuke; Miyahara, Kenichiro; Sonoda, Hiroaki; and Ishida, Masanobu, 4,804,823, Cl. 219-553.000.

Tajiri, Hiromitsu; Nishiguchi, Yasuo; and Matsuyama, Chiaki, 4,797,561, Cl. 250-578.000.

Takeda, Shigeki; and Takahashi, Akihiro, 4,879,563, Cl. 343-725.000.

Tezuka, Hirofumi; Nogami, Kouji; and Koyano, Toshihide, 4,841,278, Cl. 340-908.100.

Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.

Yamada, Takashi; Arimune, Hisao; and Maeda, Takashi, 4,851,096, Cl. 204-192.230.

Yoshikatsu, Okabayashi; and Osamu, Matsuda, 4,808,463, Cl. 428-215.000.

Kyoden, Tatsuo, to Ichikoh Industries Limited. Remote control switch for posture adjustment of automotive mirrors. 4,816,662, 3-28-89, Cl. 200-5.00R.

Kyodo Milk Industry Co., Ltd.: *See—*

Akiyama, Yoshinobu; Yoshihashi, Sakashi; and Sakauchi, Iwao, 4,880,659, Cl. 426-656.000.

Kyodo Oxygen Co., Ltd.: *See—*

Shino, Masami; Takano, Hideaki; Nakata, Jitsuo; and Noro, Katsuhiko, 4,874,592, Cl. 423-262.000.

Kyodo Printing Co., Ltd.: *See—*

Fujita, Minoru; and Fukushima, Yoichi, 4,877,713, Cl. 430-270.000.

Kakinuma, Yuji; and Fujita, Minoru, 4,860,275, Cl. 369-109.000.

Shimamura, Masayoshi; Furukawa, Tadahiro; Murakami, Akiyoshi; and Haga, Toshio, 4,837,098, Cl. 430-7.000.

Kyoe, Shinji: *See—*

Tsuchiya, Haruhiko; Yamamoto, Hiroshi; Ogawa, Shinji; and Kyoe, Shinji, 4,801,930, Cl. 340-703.000.

Kyoeizoki Co., Ltd.: *See—*

Hayashi, Takeshi, 4,826,362, Cl. 406-109.000.

Kyogoku, Takeshi: *See—*

Mizutani, Futoshi; Kyogoku, Takeshi; Saitoh, Tatsuo; and Endoh, Shigeki, 4,875,918, Cl. 65-3.120.

Kyogoku, Tetsuo: *See—*

Kageyama, Hitoshi; Suzuki, Toshikazu; Sakamoto, Keiji; Kyogoku, Tetsuo; and Nino, Masayuki, 4,880,292, Cl. 350-128.000.

Kyohya, Shoichi, to Alps Electric Co., Ltd. Optical pickup feed unit of optical disk player. 4,807,219, 2-21-89, Cl. 369-220.000.

Kyojin Rope Manufacturing Co., Ltd.: *See—*

Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawada, Minoru; Ishikawa, Noboru; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.

Kyokado Engineering Co., Ltd.: *See—*

Shimada, Shunsuke; and Sato, Takeshi, 4,842,780, Cl. 261-64.300.

Shimada, Shunsuke; and Sato, Takeshi, 4,851,259, Cl. 427-136.000.

Kyokuto International Corporation: *See—*

Karakawa, Koichi; Yoshimatsu, Tatsuhiko; Tsuchimoto, Hideyuki; and Hiwatashi, Katsumi, 4,852,484, Cl. 101-170.000.

Kyokuto Kaihatsu Kogyo Co., Ltd.: *See—*

Yoneda, Takashi, 4,850,787, Cl. 414-499.000.

Kyokuwei Optical Glass Co., Ltd.: *See—*

Hirabayashi, Toshihiko; and Honda, Keiji, 4,800,686, Cl. 51-283.00R.

Kyomasu, Mikio, to Ricoh Company, Ltd. Programmable logic array having an on/off sense function. 4,815,036, 3-21-89, Cl. 365-189.000.

Kyomasu, Mikio; Tanaka, Hitoshi; and Mizuno, Seiichiro, to Hamamatsu Photonics Kabushiki Kaisha. Solid state image sensor having variable charge accumulation time period. 4,839,735, 6-13-89, Cl. 358-213.310.

Kyomasu, Mikio; and Mizuno, Seiichiro, to Hamamatsu Photonics Kabushiki Kaisha. Image sensor with non-destructive readout. 4,866,527, 9-12-89, Cl. 358-213.190.

Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, to Kubota Limited. Method for coupling two plastic constructive parts used in valve, joint and pipe devices. 4,845,819, 7-11-89, Cl. 29-157.10A.

Kyoo, Takatsugu, to Tusbakimoto Chain Co. Apparatus for transferring a lithographic plate. 4,875,570, 10-24-89, Cl. 198-408.000.

Kyoo, Takatsugu: *See—*

Yaguchi, Akio; and Kyoo, Takatsugu, 4,874,077, Cl. 198-408.000.

Kyorin Pharmaceutical Co., Ltd.: *See—*

Masuzawa, Kuniyoshi; Suzue, Seigo; Hirai, Keiji; and Ishizaki, Takayoshi, 4,826,982, Cl. 544-363.000.

Kyoritsu Gokin Mfg. Co., Ltd.: *See—*

Matsumoto, Kozo; and Asakawa, Hiroyoshi, 4,848,672, Cl. 239-590.500.

Kyoshin Industries Co., Ltd.: *See—*

Takahashi, Kazutomo, 4,865,363, Cl. 285-323.000.

Kyoshin Kogyo Co., Ltd.: *See—*

Abe, Noriyoshi, 4,835,356, Cl. 219-91.210.

Kyotani, Ikuo, to G-C Dental Industrial Corp. Cutting tools. 4,834,655, 5-30-89, Cl. 433-166.000.

Kyotani, Ikuo: *See—*

Yamashita, Atsushi; and Kyotani, Ikuo, 4,820,387, Cl. 204-4.000.

Kyoto Electronics Manufacturing Co., Ltd.: *See—*

Kawaguchi, Kenji, 4,827,746, Cl. 73-32.00A.

Kyoto, Michihisa; Suzuki, Shuzo; Watanabe, Minoru; and Nakahara, Motohiro, to Sumitomo Electric Industries, Ltd.; and Nippon Telegraph & Telephone Corporation. Quartz glass optical fiber. 4,804,247, 2-14-89, Cl. 350-96.340.

Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, to Nippon Telegraph & Telephone Public Corporation; and Sumitomo Electric Industries, Ltd. Method for production of glass preform for optical fibers. 4,812,155, 3-14-89, Cl. 65-3.120.

Kyoto, Michihisa: *See—*

Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, Hisao; Watanabe, Minoru; and Yoshioka, Naoki, 4,797,143, Cl. 65-3.120.

Kanamori, Hiroo; Tanaka, Gotaro; Kyoto, Michihisa; Yoshioka, Naoki; and Mizutani, Futoshi, 4,880,452, Cl. 65-3.120.

Yano, Koji; Watanabe, Minoru; Kyoto, Michihisa; and Hoshikawa, Masao, 4,804,393, Cl. 65-3.120.

Kyoto Pharmaceutical Industries, Ltd.: *See—*

Tamaki, Satoshi; Kitagawa, Masaru; Tsuda, Hirokazu; Nishizawa, Susumu; Kakeya, Nobuhara; and Kitao, Kazuhiko, 4,847,286, Cl. 514-456.000.

Kyoto University: *See—*

Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.

Kyougoku, Nobuo; and Harada, Hitoshi, to Suntory Limited. Food vessel using heating element for microwave oven. 4,882,463, 11-21-89, Cl. 219-10.55E.

Kyowa Chemical Industry Co., Ltd.: *See—*

Miyata, Shigeo; and Takahashi, Hideo, 4,842,645, Cl. 106-14.140.

Kyowa Gas Chemical Industry Co., Ltd.: *See—*

Iwasaki, Kozo; Kuragano, Morimasa; Koshibe, Minoru; Sezaki, Yoshihiro; Yoguchi, Katsuji; and Koyama, Yoshio, 4,879,412, Cl. 562-600.000.

Matsumaru, Shigeo; Mochizuki, Akihiro; and Isoi, Syuzi, 4,830,803, Cl. 264-135.000.

Nakao, Kozo; and Hirokawa, Susumu, 4,842,768, Cl. 252-500.000.

Kyowa Hakko Kagyo Kabushiki Kaisha: *See—*

Shida, Yasushi; Kuroda, Tokuyuki; Matsukuma, Ikuo; Morimoto, Makoto; and Ashizawa, Tadashi, 4,863,935, Cl. 514-322.000.

Kyowa Hakko Kogyo Co., Ltd.: *See—*

Inoue, Seijiro; Ohta, Shigenori; and Egi, Makoto, 4,847,108, Cl. 426-653.000.

Itoh, Seiga; Sekine, Susumu; Taniguchi, Tadatsugu; Yoshida, Mitsuaki; and Sugano, Haruo, 4,795,805, Cl. 530-350.000.

Katoh, You; Ogino, Takehiko; and Totsuka, Naoko, 4,849,239, Cl. 426-549.000.

Mayr, Herbert; Heilmann, Werner; and Vorbrueggen, Helmut, 4,816,602, Cl. 562-504.000.

Miike, Akira; Shimizu, Yoshiaki; Tatano, Toshio; and Watanabe, Katsuyuki, 4,851,353, Cl. 436-71.000.

Miyaji, Hiromasa; and Itoh, Seiga, 4,851,512, Cl. 530-351.000.

Morimoto, Kiyoshi; Iwamoto, Akikazu; Moriyama, Masuo; and Sonoda, Atsuroh, 4,856,941, Cl. 406-85.000.

Murakata, Chikara; Sato, Akira; Kasai, Masaji; Kobayashi, Eiji; Morimoto, Makoto; and Akinaga, Shiro, 4,877,776, Cl. 514-43.000.

Murayama, Toshikazu; Hayakawa, Satoru; Takesue, Shuji; and Yokomori, Yorozu, 4,851,027, Cl. 71-64.070.

Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Katsuhiko; Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, 4,868,159, Cl. 514-25.000.

Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru; Ashizawa, Tadashi; and Takahashi, Keiichi, 4,847,387, Cl. 549-384.000.

Nishi, Tatsunari; Saito, Akiko; and Itoh, Seiga, 4,868,125, Cl. 435-320.000.

Okazaki, Kei; Oshima, Etsuo; Obase, Hiroyuki; Oiji, Yoshimasa; Nito, Masaaki; and Kubo, Kazuhiro, 4,849,441, Cl. 514-414.000.

Ozaki, Akio; Katsumata, Ryoichi; and Oka, Tetsuo, 4,874,698, Cl. 435-108.000.

Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,822,882, Cl. 544-342.000.

Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,879,386, Cl. 544-343.000.

Saito, Yutaka; and Kasai, Masaji, 4,849,136, Cl. 260-351.500.

Saito, Yutaka; Kasai, Masaji; Shirahata, Kunikatsu; Kono, Motomichi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,853,385, Cl. 514-250.000.

Sekine, Susumu; Mizukami, Tamio; Sato, Moriyuki; Itoh, Seiga, and Saito, Akiko, 4,849,359, Cl. 435-252.330.

Shiozaki, Shizuo; Shuto, Katsuichi; and Oiji, Yoshimasa, 4,851,414, Cl. 514-277.000.

Takayama, Kenichiro; Arai, Yukoh; Tomohiro, Susumu; and Shirasuna, Shizuko, 4,849,354, Cl. 435-133.000.

Yamauchi, Takayoshi; Hattori, Kaneaki; Ikeda, Shunichi; and Tamaki, Kentaro, 4,795,831, Cl. 568-27.000.

Yamauchi, Takayoshi; Hattori, Kaneaki; Ikeda, Shunichi; and Tamaki, Kentaro, 4,847,390, Cl. 549-332.000.

Kyowa Hakko Kogyo Kabushiki Kaisha: *See—*

Kasai, Masaji; Kanda, Yutaka; Kono, Motomichi; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,880,825, Cl. 514-409.000.

Kono, Motomichi; Kasai, Masaji; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,820,824, Cl. 548-422.000.

Nakamura, Joji; Kubo, Kazuhiro; Ichikawa, Shunji; Takahashi, Hajime; Isozumi, Keisuke; and Yamada, Toyofumi, 4,824,842, Cl. 514-227.500.

Kyowa Kikai Kabushiki Kaisha: *See—*

Doi, Eiji, 4,863,008, Cl. 198-433.000.

Kyowa Medex Co., Ltd.: *See—*

Aoyama, Norihito; Okano, Mikio; Miike, Akira; and Tatano, Toshio, 4,810,642, Cl. 435-28.000.

Aoyama, Norihito; Miike, Akira; Shimizu, Yoshiaki; and Tatano, Toshio, 4,824,779, Cl. 435-25.000.

Miike, Akira; Katsumata, Yukio; and Tatano, Toshio, 4,877,727, Cl. 435-24.000.

Kyowa Sonic Co., Ltd.: *See—*

Iwata, Hohji, 4,817,078, Cl. 369-71.000.

Kyowa Vacuum Engineering, Ltd.: *See—*

Kobayashi, Masakazu; Harashima, Konomi; and Ariyama, Hiroichi, 4,802,286, Cl. 34-15.000.

Kyoya, Michio: *See—*

Matsudaira, Nobuyasu; Kyoya, Michio; Mikogami, Takashi; Okazaki, Yoichiro; Matsuo, Eito; and Takahira, Nobuhiro, 4,799,856, Cl. 415-155.000.

Kyriakos, Constantinos S.: *See—*

Brandao, Ruy L.; Kyriakos, Constantinos S.; Spires, Randall C.; and Juga, Andreja, 4,855,748, Cl. 342-455.000.

Kyriakos, Peter: *See—*

Weinstein, Burton; and Kyriakos, Peter, 4,832,019, Cl. 128-207.170.

Kyrian, Bohumil; and Tschol, Wilhelm, to BBC Brown Boveri AG. Amplitude modulated broadcast transmitter. 4,864,635, 9-5-89, Cl. 455-108.000.

Kyricos, Christopher: *See—*

Steele, Donald F.; Hoagland, Lawrence C.; Kyricos, Christopher; and Tolan, Peter, 4,875,520, Cl. 165-10.000.

Kyro A/B Tamglass: *See—*

Reunamaki, Pauli T.; and Jantunen, Arto O., 4,816,055, Cl. 65-114.000.

Kyrola, Pentti: *See—*

Lauronen, Joel; and Kyrola, Pentti, 4,842,302, Cl. 280-704.000.

Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., to Caterpillar Inc. Method for monitoring a work vehicle suspension. 4,845,975, 7-11-89, Cl. 73-11.000.

Kyrtsos, Christos T.; and Long, Gregory E., to Caterpillar Inc. Method for detecting an underinflated tire by monitoring a work vehicle suspension. 4,866,419, 9-12-89, Cl. 340-443.000.

Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., to Caterpillar Inc. Method for monitoring a work vehicle suspension. 4,887,454, 12-19-89, Cl. 73-11.000.

Kysar, Ronald L. Cotton harvesting apparatus. 4,821,496, 4-18-89, Cl. 56-28.000.

Kysela, Ernst: *See—*
Fest, Christa; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Kysela, Ernst; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,806,147, Cl. 71-92.000.
Petersen, Uwe; Schriewer, Michael; Kysela, Ernst; and Grohe, Klaus, 4,851,160, Cl. 562-853.000.
Kyselica, Stefan P.: *See—*
Lawrence, Glen S.; Haynie, Timothy J.; Ferrario, Joseph D.; and Kyselica, Stefan P., 4,803,333, Cl. 219-121.130.
Kyser, Jerry L.; and Mears, David D. Toilet tissue alert system. 4,882,568, 11-21-89, Cl. 340-568.000.
Kysor Industrial Corporation: *See—*
Harvey, William O., 4,838,841, Cl. 474-190.000.
Kyte, Albert D.: *See—*
Faxon, Robert L., Sr., 4,870,882, Cl. 83-471.300.
Kyuma, Kazuo; Kwong, Sze-Keung; and Yariv, Amnon, to California Institute of Technology. Recovering polarization of light of arbitrary polarization propagating through distoring medium by phase conjugation reflection back through said medium. 4,803,429, 2-7-89, Cl. 324-244.000.
Kyuma, Kazuo: *See—*
Kojima, Keisuke; Kyuma, Kazuo; Noda, Susumu; Kameya, Masaaki; Ohta, Jun; and Hammanaka, Koichi, 4,888,783, Cl. 372-44.000.
Noda, Susumu; Kojima, Keisuke; and Kyuma, Kazuo, 4,847,844, Cl. 372-45.000.
Kyuma, Kenji: *See—*
Hieda, Teruo; Kyuma, Kenji; Arai, Hideyuki; and Takei, Masahiro, 4,845,568, Cl. 358-213.310.
Kyuno, Mitsuyasu: *See—*
Horie, Fujio; and Kyuno, Mitsuyasu, 4,823,715, Cl. 112-315.000.
Kyushima, Hiroyuki, to Hamamatsu Photonics Kabushiki Kaisha. Electron multiplier device. 4,825,118, 4-25-89, Cl. 313-104.000.
Kyushima, Hiroyuki; Nakamura, Kimitsugu; and Kato, Takahito, to Hamamatsu Photonics Kabushiki Kaisha; and Research Development Corporation of Japan. Photomultiplier with plural photocathodes. 4,881,008, 11-14-89, Cl. 313-532.000.
Kyushima, Tatsuo: *See—*
Kubo, Seitoku; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,817,472, Cl. 74-869.000.
Kuwayama, Yoshinari; Yokoyama, Fumitomo; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,839,041, Cl. 210-168.000.
Kyusho, Yukio, to NEC Corporation. Transversely excited atmospheric laser. 4,802,185, 1-31-89, Cl. 372-86.000.
Kyushu Electric Power Co., Inc.: *See—*
Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
Kyushu Fujitsu Electronics Limited: *See—*
Enomoto, Hiromu; Dohgome, Hirofumi; Kumagai, Masao; Nakamura, Toru; and Yoshiyama, Kimitaka, 4,883,975, Cl. 307-290.000.
Kyushu Hitachi Maxell, Ltd.: *See—*
Nagao, Tadasu; Terayama, Masaya; and Inoue, Kazuhiko, 4,825,497, Cl. 15-97.00R.
Kyushu Nyugyo Co., Ltd.: *See—*
Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
Kyushu University: *See—*
Kitano, Masaharu; and Eguchi, Hiromi, 4,817,427, Cl. 73-204.160.
Kyutoku, Senzo: *See—*
Maeno, Satoru; Fukuyama, Norio; Ohishi, Tetsuo; Kyutoku, Senzo; and Nakamura, Thutomu, 4,837,493, Cl. 318-685.000.
L.A. Brush Manufacturing Corp.: *See—*
Boland, Anthony C.; and Maxwell, George R., 4,846,531, Cl. 300-21.000.
L. A. Gear, Inc.: *See—*
Maccano, Angelo, 4,811,500, Cl. 36-91.000.
L.B.C. Services (Proprietary) Limited: *See—*
Eatwell, Neville A. W., 4,795,024, Cl. 198-499.000.
L.B.P. Partnership C.P.I. Corporation, The: *See—*
Cruickshank, John S., 4,800,104, Cl. 427-230.000.
L & C Family Partnership: *See—*
Wolfberg, Larry; Wolfberg, Brent; and Rhoads, Jan E., 4,885,685, Cl. 364-401.000.
L.C.P., Inc.: *See—*
Ciriscioli, Peter R.; and Cook, Michael W., 4,858,966, Cl. 285-200.000.
L. & C. Steinmuller GmbH: *See—*
Keller, Paul, 4,848,248, Cl. 110-182.500.
Markus, Eugen; Steven, Hubert; and Croonenbrock, Raimund, 4,850,700, Cl. 366-132.000.
Premel, Ulrich, 4,803,957, Cl. 122-7.00R.
Premel, Ulrich, 4,841,917, Cl. 122-379.000.
Rabe, Gerd; and Pollak, Gerd, 4,818,160, Cl. 409-202.000.
Rennert, Klaus-Dieter; and Schreier, Wolfgang, 4,810,186, Cl. 431-175.000.
L.E.A. Dynatech: *See—*
Rozanski, Robert D.; Medlock, James R., III; and Larson, Stephen F., 4,875,137, Cl. 361-331.000.
L. E. Johnson Products, Inc.: *See—*
Johnson, Leonard E., Jr., 4,873,744, Cl. 16-247.000.
L.H.L. Incorporated: *See—*
Luyk, Harley E., 4,838,181, Cl. 108-156.000
L&H Technologies, Inc.: *See—*
Vann, Clifton B., III, 4,818,258, Cl. 55-158.000.
L.K. Manufacturing Corp.: *See—*
Lutzker, Robert S., 4,843,716, Cl. 30-130.000.
L. Kent Eastman Co., Inc.: *See—*
Eastman, Lewis K., II; and Bromley, Robert L., 4,797,796, Cl. 362-199.000.
L & L Products, Inc.: *See—*
Coburn, John A., Jr., 4,813,690, Cl. 277-205.000.
L.P.E. SpA: *See—*
Pozzetti, Vittorio; Poggi, Piergiovanni; and Preti, Franco, 4,858,557, Cl. 118-725.000.
L. Perrigo Company: *See—*
Furst, Gene A.; Allen, Dennis E.: and Altamore, Peter C., 4,828,842, Cl. 424-480.000.
L. R. Nelson Corporation: *See—*
Fletcher, Douglas C.; and Bruninga, Kenneth J., 4,858,827, Cl. 239-69.000.
Heren, Lawrence P., 4,856,823, Cl. 285-81.000.
L&S Technologies, Inc.: *See—*
Singletary, Larry F., 4,878,307, Cl. 42-101.000.
L. Schuler GmbH: *See—*
Baur, Siegfried; Brandstetter, Rudi; and Roos, Gerhard, 4,821,552, Cl. 72-351.000.
Daubner, Edmund; and Mikusch, Gerald, 4,881,398, Cl. 72-419.000
Ludwig, Albert; Philipp, Karl-Heinz; Hartl, Gerhard; Jarosch, Berthold; and Greger, Horst, 4,844,230, Cl. 194-335.000.
Michael, Wolfgang; and Kaletka, Martin, 4,840,055, Cl. 72-345.000
Wolfgang, Michael; Mikusch, Gerald; and Brangs, Eckhard, 4,823,587, Cl. 72-405.000.
L-TEC Company: *See—*
Fuhrhop, Ronald E.; and Wandelt, Allan R., 4,795,138, Cl. 266-44.000.
L. Vad Technology, Inc.: *See—*
Frisch, Eldon E.; Kantrowitz, Adrian; and Freed, Paul S., 4,810,246, Cl. 604-93.000.
La Cellulose Du Pin: *See—*
Faurie, Andre , 4,808,266, Cl. 162-102.000.
Pommier, Jean-Claude; and Poustis, Joel, 4,822,826, Cl. 521-84.100
La Crosse Footwear, Inc.: *See—*
Barma, Tarachand S., 4,858,337, Cl. 36-4.000.
Nicholson, Joh E.; and Barma, Tarachand S., 4,858,342, Cl. 36-109.000.
La, Duong T.: *See—*
Mebane, Janet E.; Chan, Lawrence W.; La, Duong T.; and Nevarez, Ruben, 4,806,106, Cl. 439-77.000.
La Francaise Metallurgie French Body Corporate: *See—*
Fallon, Regis, 4,834,593, Cl. 408-115.00R.
La Jolla Cancer Research Foundation: *See—*
Rudslahti, Eric I.; Hayman, Edward G.; and Pierschbacher, Michael D., 4,879,237, Cl. 435-240.200.
La Jolla Technology, Inc.: *See—*
Schneider, Robert A., 4,832,032, Cl. 128-419.00R.
Thompson, James A., 4,830,776, Cl. 252-500.000.
La-Man Corporation: *See—*
Martin, Charles E.; and Overby, Kenneth W., 4,865,815, Cl. 422-122.000.
Overby, Kenneth W., 4,810,272, Cl. 55-420.000.
Overby, Kenneth W., 4,874,408, Cl. 55-218.000.
La Minerva di Chiodini Mario S.r.l.: *See—*
Chiodini, Andrea S., 4,881,300, Cl. 17-32.000.
La Physique Appliquee Industrie: *See—*
Bouchon, Jean C. M., 4,882,468, Cl. 219-400.000.
La Prealpina S.r.l.: *See—*
Taschero, Giuseppe, 4,809,943, Cl. 248-503.000.
La Souterraine S.A.: *See—*
Roche, Patrick, 4,879,557, Cl. 341-23.000.
La Spirotechnique Industrielle et Commerciale: *See—*
Chambonnet, Bernard, 4,798,202, Cl. 128-204.260.
Paole, Henri; and Ronjat, Alain, 4,809,691, Cl. 128-200.290
La Telemecanique Electrique: *See—*
Bachand, George M.; Vignaud, Jean-Claude; and Juery, Gerard, 4,869,119, Cl. 73-866.500.
Bacon, Remy, 4,849,587, Cl. 200-61.850.
Barbier, Rene; and Guenin, Serge, 4,889,504, Cl. 439-712.000.
Belaidouni, Ali; Benani, Andre; and Millet, Jean-Marie, 4,852,241, Cl. 29-564.400.
Belaidouni, Ali; Benani, Andre; and Millet, Jean-Marie, 4,856,183, Cl. 29-753.000.
Belbel, Elie; Blanchard, Christian; Haury, Andre; and Lauraire, Michel, 4,816,792, Cl. 335-14.000.
Belbel, Elie; Fechant, Louis; Vergez, Andre; and Riotte, Jean P., 4,816,958, Cl. 361-93.000.
Belbel, Elie; Boucheron, Thierry; Lauraire, Michel; and Riotte, Jean-Paul, 4,888,66', Cl. 361-102.000.
Chatelot, Denis, 4,864,633, Cl. 455-41.000.
Christian, Bataille; Elie, Belbel; Gast, Jean-Noel; and Michel, Lauraire, 4,864,457, Cl. 361-153.000.
Cohen, Jacques; Lemarquand, Pierre; and Pichard, Christian, 4,855,698, Cl. 335-14.000.
Comtois, Patrick; Moreau, Luc; Nourry, Daniel; and Paggi, Serge, 4,849,591, Cl. 200-151.000.
Conrath, Christian, 4,801,854, Cl. 318-305.000.

Couvreur, Jean-Francois; and Olifant, Jacques, 4,843,361, Cl. 335-229.000.
Dard, Pierre; and Maes, Fabrice, 4,851,962, Cl. 361-334.000.
Dard, Pierre; and Maes, Fabrice, 4,879,437, Cl. 200-1.00R.
Fournier, Bernard; Contal, Maurice; and Vergez, Andre, 4,803,587, Cl. 361-24.000.
Fournier, Bernard, 4,876,418, Cl. 200-50.00C.
Gousset, Alain, 4,823,065, Cl. 318-798.000.
Guinet, Jannick; Hubert, Jean-Claude; and Martial, Marie-Francoise, 4,860,939, Cl. 228-122.000.
Haury, Andre; Bebel, Elie; Lauraire, Michel; and Vergez, Andre, 4,800,352, Cl. 335-132.000.
Hubert, Cornilleau, 4,884,185, Cl. 363-56.000.
Jacquet, Bruno; Boudet, Pierre; and Tellier, Jean-Pierre, 4,815,312, Cl. 72-454.000.
Jacquet, Bruno; Noirot, Frederic; and Tellier, Jean-Pierre, 4,841,106, Cl. 200-462.000.
Jacquet, Bruno, 4,859,979, Cl. 337-3.000.
Jego, Gerard; Lacan, Guy; Thierry, Jean-Pierre; and Verdenne, Serge, 4,823,231, Cl. 361-331.000.
Jullien, Claude; Lerude, Gerard; and Llabres, Raymond, 4,820,206, Cl. 439-782.000.
Leonard, Didier; Periot, Jean-Marie; and Petit, Pierre, 4,879,512, Cl. 324-207.000.
Morelli, Albert, 4,814,932, Cl. 361-63.000.
Quatse, Jesse T.; Heitz, Lionel; Pergent, Jacky; and Penot, Olivier, 4,864,531, Cl. 364-900.000.
Richard, Frecon, 4,880,994, Cl. 307-219.000.
La Telephonie Industrielle et Commerciale Telic Alcatel: *See—*
Baltz, Rainier; and Fuhrer, Jean-Claude, 4,839,888, Cl. 370-68.100.
Playe, Patrice, 4,831,488, Cl. 361-221.000.
Laak, Ursula E.: *See—*
Glasser, Joseph; and Laak, Ursula E., 4,880,333, Cl. 405-43.000.
Laake, Andreas: *See—*
Meier, Gerd; and Laake, Andreas, 4,811,815, Cl. 181-120.000.
Laakmann, Katherine D.; and Laakmann, Peter. Hollow lightpipe using a low refractive index inner layer. 4,805,987, 2-21-89, Cl. 350-96.320.
Laakmann, Peter, to Synrad, Inc. RF-excited, all-metal gas laser. 4,805,182, 2-14-89, Cl. 372-82.000.
Laakmann, Peter, to Synrad, Inc. Electrically self-oscillating, rf-excited gas laser. 4,837,772, 6-6-89, Cl. 372-82.000.
Laakmann, Peter: *See—*
Laakmann, Katherine D.; and Laakmann, Peter, 4,805,987, Cl. 350-96.320.
Laakso, John H.: *See—*
Breslich, Francis N., Jr.; and Laakso, John H., 4,817,453, Cl. 74-572.000.
Laaly, Heshmat O.; and Stevenson, Edward J. Photovoltaic cells in combination with single ply roofing membranes. 4,860,509, 8-29-89, Cl. 52-173.00R.
Laanen, Craig; and Moler, Frank W., to University of Michigan, The. Non-rebreathing collapsible chamber continuous aerosol delivery system with infusion port. 4,865,027, 9-12-89, Cl. 128-200.210.
Laarhoven, Johannes P. M.: *See—*
Torfs, Jan C. M.; Laarhoven, Johannes P. M.; and Van Heel, Christiaan F. J., 4,801,429, Cl. 422-63.000.
Laas, Harald: *See—*
Tavs, Peter; Laas, Harald; Schauer, Horst; and Arnold, Lothar, 4,820,874, Cl. 568-350.000.
Laauwe, Robert H. Speciality closures for bottle necks. 4,823,994, 4-25-89, Cl. 222-521.000.
Laauwe, Robert H.: *See—*
Roggenburg, Stanley L.; Laauwe, Robert H.; Polite, John L.; and Tully, Michael, 4,823,990, Cl. 222-207.000.
Lab-Volt (Quebec) Ltd.: *See—*
Huard, Bertrand, 4,864,260, Cl. 333-255.000.
Labaig, Jean-Jacques; Fenie, Michel; and Glotin, Michel, to Atochem. Method of making extruded conduits. 4,812,274, 3-14-89, Cl. 264-80.000.
LaBair, Richard L., to Peninsular, Inc. Cylinder end cap. 4,827,835, 5-9-89, Cl. 92-128.000.
LaBarge, Beverly C.; and LaBarge, Daniel C. Chess equipment carrying bag. 4,842,133, 6-27-89, Cl. 206-315.100.
LaBarge, Daniel C.: *See—*
LaBarge, Beverly C.; and LaBarge, Daniel C., 4,842,133, Cl. 206-315.100.
LaBarge, Robert L.; and Ewing, Ronald J., to Aluminum Company of America. Hollow integral rivet. 4,836,705, 6-6-89, Cl. 403-282.000.
LaBarge, Steven B.; and Stanger, Leon J., to Grass Valley Group, Inc., The. Multifunction amplifier. 4,799,026, 1-17-89, Cl. 330-254.000.
LaBarge, Steven B.; and Waggoner, Bruce, to Grass Valley Group, Inc., The. "Simple code" encoder/decoder. 4,885,582, 12-5-89, Cl. 341-57.000.
Labarthe, Joel: *See—*
Czajkowski, Didier; Labarthe, Joel; and Bouyou, Bertrand, 4,884,392, Cl. 56-13.100.
Labat, Yves; and Desgrandchamps, Guy, to Societe Nationale Elf Aquitaine (Production). Process of degradation of alkyl polysulphides into polysulphides having a lower sulphur content. 4,827,040, 5-2-89, Cl. 568-21.000.
Labat, Yves, to Societe Nationale Elf Aquitaine. New hydroxy-thiaalkenes, and processes for their preparation and use. 4,847,420, 7-11-89, Cl. 568-55.000.
Labate, Michael D. Slag retaining device with vortex inhibitor. 4,799,650, 1-24-89, Cl. 266-227.000.
Labate, Michael D. Externally replaceable stirring plug for molten metal vessels. 4,840,356, 6-20-89, Cl. 266-265.000.
LaBate, Micheal D. Stirring brick with shaped gas volume control openings. 4,840,354, 6-20-89, Cl. 266-218.000.
LaBate, Micheal D. Slag controlling device for basic oxygen furnaces. 4,840,355, 6-20-89, Cl. 266-220.000.
Labate, Micheal D. Self shielding lance. 4,854,553, 8-8-89, Cl. 266-266.000.
LaBate, Micheal D. Stirring block with unidirectional grain structure having improved erosion resistance. 4,858,894, 8-22-89, Cl. 266-265.000.
Labaton, Isaac J.; and Harats, Yehuda. Hydrogen pump. 4,886,048, 12-12-89, Cl. 165-104.270.
Labaugh, Kenneth D.; and Kuppenheimer, John D., Jr., to Sanders Associates, Inc. Dual-section spatial modulation transmitter. 4,861,124, 8-29-89, Cl. 350-6.500.
Labavia S.G.E.: *See—*
Estaque, Michel, 4,811,822, Cl. 188-264.00A.
Estaque, Michel, 4,853,574, Cl. 310-105.000.
Even, Denis, 4,864,173, Cl. 310-93.000.
Labaziewicz, Peter, to Eastman Kodak Company. Film exposure counter. 4,814,805, 3-21-89, Cl. 354-217.000.
Labbe, Francis A. M., to Molins PLC. Cigarette manufacture. 4,832,058, 5-23-89, Cl. 131-110.000.
Labbe, Francis A. M., to Molins PLC. Cigarette making machine. 4,852,589, 8-1-89, Cl. 131-84.300.
Labconco Corporation: *See—*
Hambleton, Larry G.; Sears, Claude L.; and Offutt, Elmer B., 4,820,351, Cl. 134-21.000.
Labeda, David P.: *See—*
Carter, Guy T.; Borders, Donald B.; Goodman, Joseph J.; and Labeda, David P., 4,859,598, Cl. 435-252.100.
Kirby, Jane P.; Borders, Donald B.; Lee, May D.; Maiese, William M.; Testa, Raymond T.; and Labeda, David P., 4,870,019, Cl. 435-252.100.
Labedz, Gerald P., to Motorola, Inc. Microcellular communications system using macrodiversity. 4,797,947, 1-10-89, Cl. 455-33.000.
Labedz, Gerald P.; and Borth, David E., to Motorola, Inc. Rapid reference acquisition and phase error compensation for radio transmission of data. 4,847,869, 7-11-89, Cl. 375-85.000.
Labedz, Gerald P.: *See—*
Borth, David E.; Wang, Chih-Fei; Rabe, Duane C.; and Labedz, Gerald P., 4,829,543, Cl. 375-83.000.
Borth, David E.; Wang, Chih-Fei; Rabe, Duane C.; and Labedz, Gerald P., 4,873,683, Cl. 370-95.100.
Label-Aire Inc.: *See—*
Crankshaw, Michael; and Kucheck, Leo, 4,830,701, Cl. 156-448.000.
Crankshaw, Michael; and Newell, Arthur B., 4,844,771, Cl. 156-387.000.
Label Printers, The: *See—*
Chouinard, Gerald A., 4,889,365, Cl. 283-70.000.
LaBelle, Charles E. Paint edger for the application of paint. 4,852,203, 8-1-89, Cl. 15-210.00R.
Labelle, H. M. Robert. Hinged closure panel with separate hinge member. 4,823,531, 4-25-89, Cl. 52-586.000.
Labelle, Jean: *See—*
Steffen, Francis; and Labelle, Jean, 4,857,483, Cl. 437-209.000.
LaBelle, Theodore J.: *See—*
Fichter, June C.; LaBelle, Theodore J.; and McAuley, Kenneth A., 4,824,096, Cl. 271-277.000.
Labex GmbH: *See—*
Klein, Arno, 4,852,628, Cl. 160-199.000.
LaBianca, Nancy C., to MacDermid, Incorporated. Thermal stabilization of photoresist images. 4,806,455, 2-21-89, Cl. 430-325.000.
LaBiche, Mitchell; and Derouen, Alvin. Spatial input apparatus. 4,839,838, 6-13-89, Cl. 364-709.110.
Labinal Components and Systems, Inc.: *See—*
Bowlin, Robert F., 4,806,124, Cl. 439-607.000.
Bowlin, Robert F., 4,858,313, Cl. 29-883.000.
Kirby, Edward, 4,813,881, Cl. 439-74.000.
Lindeman, Richard J., 4,806,110, Cl. 439-108.000.
Zic, Richard, 4,820,207, Cl. 439-825.000.
Labit, Claude; and Marescq, Jean-Pierre. Process and apparatus for digital signal coding and transmission by selective replenishment in time of a vector quantizer. 4,845,559, 7-4-89, Cl. 358-133.000.
Lablee, Jean: *See—*
Bussiere, Guy; and Lablee, Jean, 4,851,237, Cl. 426-39.000.
Bussiere, Guy; and Lablee, Jean, 4,851,238, Cl. 426-39.000.
Labofina, S.A.: *See—*
Charlier, Alain G. R., 4,830,759, Cl. 210-749.000.
Debras, Guy; and Bodart, Philippe, 4,861,939, Cl. 585-820.000.
Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; and Cahen, Raymond M., 4,830,735, Cl. 208-244.000.
Debras, Guy L. G.; De Clippeleir, Georges E. M. J.; Grootjans, Jacques F.; and Cahen, Raymond M., 4,831,200, Cl. 585-259.000.
Grootjans, Jacques F.; and Bredael, Pierre J., 4,810,356, Cl. 208-59.000.
Grootjans, Jacques F.; and Bredael, Pierre J., 4,842,717, Cl. 208-118.000.
Lanza, Emmanuel; and Naveau, Jean M. M. G., 4,877,863, Cl. 528-486.000.
van der Koik, Cornelis E. M.; Van der Poel, Hendrik; and Braeken, Jozef, 4,888,056, Cl. 106-1.170.
Labomatic GmbH: *See—*
Kronwald, Klaus, 4,888,112, Cl. 210-198.200.

LaBombard, Denis, to Portex, Inc. Tracheostomy tube with ring pull removable inner cannula. 4,817,598, 4-4-89, Cl. 128-207.140.
Labombarde, Raymond A.; and Tremblay, Robert A., to International Paper Box Machine Co., Inc. Method of packaging box flats. 4,873,813, 10-17-89, Cl. 53-438.000.
LaBonte, Robert J., to Lydall, Inc. Process for the production of a battery separator. 4,812,145, 3-14-89, Cl. 29-623.100.
Laboratoire Hydron: *See—*
  Hanna, Khalil, 4,815,463, Cl. 128-305.000.
Laboratoire L. Lafon: *See—*
  Lafon, Louis, 4,816,489, Cl. 514-649.000.
  Lafon, Louis, 4,835,315, Cl. 564-363.000.
  Lafon, Louis, 4,847,274, Cl. 514-365.000.
  Lafon, Louis, 4,861,801, Cl. 514-653.000.
  Lafon, Louis, 4,877,812, Cl. 514-630.000.
  Rey, Louis; Ottar, Brynjulf; and Lafon, Louis. 4,883,507, Cl. 55-97.000.
Laboratoires Biotrol: *See—*
  Holtermann, Henri; and Hamelin, Claude, 4,846,798, Cl. 604-339.000.
Laboratoires Chauvin-Blache: *See—*
  Maurin, Florence; Coquelet, Claude; and Alain, Tournoux A., 4,866,088, Cl. 514-420.000.
Laboratoires D'Hygiene et de Dietetique: *See—*
  Guillemet, Alain; Teillaud, Eric; Reginault, Philippe; and Bevan, Bruno, 4,837,025, Cl. 424-448.000.
Laboratoires Flork S.A. Zone Industrielle Du Brezet: *See—*
  Flork, Michel, 4,874,893, Cl. 562-443.000.
Laboratoires Merck Sharp & Dohme Chibret: *See—*
  Mazuei, Claude; and Friteyre, Marie-Claire, 4,861,760, Cl. 514-54.000.
Laboratoires P.O.S.: *See—*
  Andermann, Guy; de Burlet, Georges; Dietz, Michel; and Spittler, Joseph, 4,837,021, Cl. 424-602.000
  Andermann, Guy; Spittler, Joseph; Zilliox, Patricia; and Mergel, Dominique, 4,880,601, Cl. 422-28.000.
Laboratoires Smith Kline & French: *See—*
  Tarral, Rene; and Mention, Jacky, 4,824,664, Cl. 424-43.000.
Laboratories Biotrol: *See—*
  Holtermann, Henri; and Hamelin, Claude, 4,834,730, Cl. 604-335.000.
  Holtermann, Henri, 4,875,899, Cl. 604-333.000.
Laboratories Chauvin: *See—*
  Bonne, Claude; Coquelet, Claude; and Latour, Elisabeth, 4,871,742, Cl. 514-262.000.
Laboratories Delagrange: *See—*
  Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,808,416, Cl. 424-497.000.
Laboratories d'Hygiene et de Dietetique: *See—*
  Guillemet, Alain; Teillaud, Eric; and Reginault, Philippe, 4,842,864, Cl. 424-448.000.
Laboratories Flork, S.A.: *See—*
  Flork, Michel, 4,814,147, Cl. 422-216.000.
Laboratories Sobio SA: *See—*
  Thielke, Dietrich; Holtje, Dagmar; and Nadler, Guy, 4,837,240, Cl. 514-294.000.
Laboratorios Biochemie de Mexico: *See—*
  De Cuellar, Blanca Rosa A.; and Bello, Luis Armando L., 4,828,832, Cl. 424-618.000.
Laboratorios Vinas S.A.: *See—*
  Buxade-Vinas, Antonio, 4,855,443, Cl. 548-372.000.
Laboratorium fur experimentelle Chirurgie Forschungsinstitut: *See—*
  Tepic, Slobodan, 4,808,184, Cl. 604-56.000.
Laboratorium Prof. Dr. Rudolf Berthold: *See—*
  Berthold, Fritz; and Lohr, Willy, 4,863,690, Cl. 422-52.000.
Laboratory Equipment, Corp.: *See—*
  Fry, Francis J.; and Sanghvi, Narendra T., 4,858,613, Cl. 128-660.030.
Laboratrios Vinas, S.A.: *See—*
  Vinas, Antonio B., 4,873,223, Cl. 514-23.000.
Laborde, Michel: *See—*
  Chombart, Didier; Cormerais, Francois X.; and Laborde, Michel, 4,810,367, Cl. 208-309.000.
Laborlux S.A.: *See—*
  Beckmann, Franz; Ferner, Matthias; and Wagner, Armand, 4,846,849, Cl. 44-593.000.
LaBounty, Kenneth R. Concrete crusher. 4,838,493, 6-13-89, Cl. 241-101.700.
LaBounty, Roy E. Heavy duty plate shear. 4,872,264, 10-10-89, Cl. 30-210.000.
Laboure, Gerard J. P. B.: *See—*
  Barbier, Gerard Y. G.; Laboure, Gerard J. P. B.; Desaulty, Michel A. A.; Duchene, Francois; and Truvillot, Pascal M., 4,805,397, Cl. 60-39.320.
Laboureau, Jacques P.; and Comte, Georges. Agraffe for osteosynthesis. 4,848,328, 7-18-89, Cl. 128-92.0YC.
Laboureau, Jacques-Philippe. Boat of the catamaran type, propelled mechanically. 4,836,298, 6-6-89, Cl. 114-61.000.
Laboureur, Michael: *See—*
  Kock, Wulf; and Laboureur, Michael, 4,804,167, Cl. 266-200.000.
Laboute, Pierre: *See—*
  Ahond, Alain; Laboute, Pierre; Laurent, Dominique; Potier, Pierre; Poupat, Christiane; Pusset, Jacques; Pusset, Michele; and Thoison, Odile, 4,801,602, Cl. 514-398.000.
LaBove, Larry D. Dual bag intravenous preparation system. 4,863,454, 9-5-89, Cl. 604-416.000.
Labrador, Gaudencio A. United sail windmill. 4,859,146, 8-22-89, Cl. 416-8.000.
LaBrecque, James C. Cooling system. 4,803,848, 2-14-89, Cl. 62-183.000.
LaBrecque, James C.: *See—*
  Hill, Richard C.; and LaBrecque, James C., 4,862,707, Cl. 62-431.000.
Labrecque, Robert. Chimney brush. 4,807,320, 2-28-89, Cl. 15-163.000.
Labregere, Gerard: *See—*
  Roche, Guy; and Labregere, Gerard, 4,830,894, Cl. 428-34.500.
Labrie, Cornelis: *See—*
  Hartman, Hendrikus G.; Labrie, Cornelis; Leijenhorst, Jan; and Rietveld, Adrianus, 4,848,937, Cl. 384-480.000.
Labrie, Craig B., to Davidson Textron Inc. Method of fabricating an interior trim foam product. 4,839.118, 6-13-89, Cl. 264-46.500.
Labrie, Fernand; and Raynaud, Jean-Pierre, to Roussel Uclaf. Method of treating precocious puberty. 4,851,386, 7-25-89, Cl. 514-15.000.
Labrot, Maxime: *See—*
  Durand, Jean-Pierre; Labrot, Maxime; Truc, Joel; and Valy, Yves, 4,831,944, Cl. 110-346.000.
  Pasquini, Pierre; Labrot, Maxime; Serrano, Jean-Pierre; and Pineau, Didier, 4,847,466, Cl. 219-121.590.
Labrousse, Jean-Michel J.; and Paquet, Christian, to U. S. Philips Corporation. Filter circuit for a MOS-type integrated device, and an integrated device comprising such a filter circuit. 4,808,860, 2-28-89, Cl. 307-572.000.
Labrousse, Jean-Michel J.: *See—*
  Lanfranca, Michel J.; Labrousse, Jean-Michel J.; and Deneschau, Christian M., 4,805,130, Cl. 364-786.000
Labrune, Jean-Claude: *See—*
  Boussignac, Georges; and Labrune, Jean-Claude, 4,832,024, Cl. 128-303.100.
Labschies, Hartmut, to Carl Schenck AG. Method and apparatus for continuously measuring a flow rate of a stream of flowable bulk material. 4,805,462, 2-21-89, Cl. 73-861.360.
Labsystems Oy: *See—*
  Ekholm, Pertti; Salmi, Oili; Tuunanen, Jukka; and Vesanen, Erkki, 4,824,791, Cl. 436-165.000.
  Salonen, Eeva-Marjatta, 4,849,406, Cl. 514-8.000.
Labuc, Vladimir M.: *See—*
  Kitzinger, Frank; and Labuc, Vladimir M., 4,845,990, Cl. 73-597.000.
Labuda, Lawrence L.: *See—*
  Knodle, Daniel W.; Mace, Leslie E.; and Labuda, Lawrence L., 4,859,858, Cl. 250-504.00R.
LaBudde, Edward V.; and Kay, Robert L., to ISC Technologies, Inc. Programming circuit for individual bomblets in a cluster bomb. 4,799,429, 1-24-89, Cl. 102-393.000.
LaBudde, Edward V., to LuBudde Engineering Corporation. Metric distance measurement system and method. 4,829,305, 5-9-89, Cl. 342-127.000.
Labus, Rainer H.: *See—*
  Vataru, Marcel; Smith, Richard W.; and Labus, Rainer H., 4,809,769, Cl. 165-1.000.
Labworks, Inc.: *See—*
  Butts, Gary C., 4,803,362, Cl. 250-229.000.
  Butts, Gary C., 4,825,022, Cl. 200-343.800.
Laby, Jordan M.: *See—*
  Henkin, Melvyn L.; and Laby, Jordan M., 4,813,086, Cl. [illegible]
  Henkin, Melvyn L.; and Laby, Jordan M., 4,825,084, Cl. 128-66.000.
Lacal, Juan C.; and Aaronson, Stuart A., to United States of America, Health and Human Services. Deletion mutants and monoclonal antibodies against ras proteins. 4,820,631, 4-11-89, Cl. 435-[illegible]
Lacam, Jean S.; Pons, Rene E.; and Simand, Pierre J., to Etat Francais. Device for feeding weapons with compressed gas. 4,819,610, [illegible] Cl. 124-75.000.
LaCamera, Alfred F.: *See—*
  Tomaswick, Kathleen M.; and LaCamera, Alfred F., [illegible] Cl. 220-458.000.
Lacan, Guy: *See—*
  Jego, Gerard; Lacan, Guy; Thierry, Jean-Pierre; and [illegible] Serge, 4,823,231, Cl. 361-331.000.
Lacasse, Claude: *See—*
  David, Guy; Lacasse, Claude; Metivier, Christian; and [illegible] Luc, 4,866,594, Cl. 364-138.000.
LaCava, Alberto: *See—*
  Jain, Ravi; LaCava, Alberto; Andrecovich, Mark J.; and [illegible] Donald L., 4,861,361, Cl. 62-18.000.
  Kaplan, Robert H.; LaCava, Alberto; Shirley, Arthur L.; and [illegible] Steven M., 4,853,004, Cl. 55-25.000.
Lace, Donald A. Magnetic field shaping in an acoustic pick-up assembly. 4,809,578, 3-7-89, Cl. 84-1.150.
Lace, Melvin A., to Oneac Corporation. Surge/transient protector for a plurality of data lines. 4,878,145, 10-31-89, Cl. 361-118.000.
Lacey, Christopher A.; and Brock, George W., to Eastman Kodak Company. Contoured head assembly for use in a cassette recorder. 4,888,657, 12-19-89, Cl. 360-122.000.
Lacey, Christopher A.: *See—*
  Favrou, John M.; Lacey, Christopher A.; and Brock, George W., 4,875,129, Cl. 360-122.000.
Lacey, David: *See—*
  Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., 4,824,217, Cl. 350-350.500.

  Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; and Young, Daniel J. S., 4,852,977, Cl. 350-350.00S.
Lacey, Dianne L.: *See—*
  Baker, John M.; Callegari, Alessandro C.; Lacey, Dianne L.; and Shih, Yih-Cheng, 4,853,346, Cl. 437-184.000.
  Buchanan, Douglas A.; Callegari, Alessandro C.; Hob, Peter D.; and Lacey, Dianne L., 4,859,253, Cl. 148-33.300.
Lacey, Edward H.: *See—*
  Clark, Rodney D., 4,836,200, Cl. 128-207.180.
Lacey, Paul D.; and Martin, Anthony, to De La Rue Systems, Ltd. Monitoring system. 4,875,589, 10-24-89, Cl. 209-534.000.
Lacey, Ramond D., to Avdel Limited. Self-plugging blind rivet. 4,865,499, 9-12-89, Cl. 411-34.000.
Lacey, Raymond D.: *See—*
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Lacey, Richard F., to Hewlett-Packard Company. Baseline correction for chromatography. 4,802,102, 1-31-89, Cl. 364-497.000.
Lacey, Richard F., to Hewlett-Packard Company. Deconvolving chromatographic peaks. 4,807,148, 2-21-89, Cl. 364-498.000.
Lacey, Sylvester. Fluid drain pump. 4,865,069, 9-12-89, Cl. 137-132.000.
Lach, Dietrich: *See—*
  Ebel, Klaus; Reuther, Wolfgang; Fikentscher, Rolf; Lach, Dietrich; Streicher, Rolf; and Schaffer, Ortwin, 4,888,412, Cl. 528-230.000.
Lach, Jorge: *See—*
  Barkans, Anthony C.; Schroeder, Brian D.; Durant, Thomas L.; Gordon, Dorothy; and Lach, Jorge, 4,888,712, Cl. 364-522.000.
Lach, Lawrence E.; and Ohoka, Mikiharu, to Gould Inc.; and Nippon Mining Co., Ltd. Cascade FET logic circuits. 4,877,976, 10-31-89, Cl. 307-450.000.
LaChance, Robert E. Burning apparatus and method. 4,834,002, 5-30-89, Cl. 110-346.000.
Lachapell, Ruth A.: *See—*
  Linker, Paul M., III; and Lachapell, Ruth A., 4,834,739, Cl. 604-385.100.
La Chapelle, Theodore J., Jr.; and Weismuller, Thomas P., to Rockwell International Corporation. Liquid phase epitaxy apparatus and method. 4,828,648, 5-9-89, Cl. 156-605.000.
LaChappell, Philip S.: *See—*
  Roberts, John T.; Reid, Philip L.; LaChappell, Philip S.; and Williams, Danny R., 4,854,111, Cl. 53-500.000.
Lachat, Claude; and Ferrus, Joele, to Flonic. System for interconnecting parking meters having a memory. 4,812,805, 3-14-89, Cl. 340-825.050.
Lachenbruch, Roger B.: *See—*
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Lacher, Vernon R.: *See—*
  Miner, Jonathan L.; Lacher, Vernon R.; Rescigno, Gerald J.; Swim, William B.; Gierke, Martin P.; and Hahn, David A., 4,884,314, Cl. 15-344.000.
Lachey, Richard N., to Globe Products Inc. Wire supply method and apparatus. 4,880,173, 11-14-89, Cl. 242-1.10R.
Lachhein, Stephen; and Willms, Lothar, to Hoechst Aktiengesellschaft. Process for the preparation of pyrimidines. 4,824,949, 4-25-89, Cl. 544-320.000.
Lachhein, Stephen, to Hoechst Aktiengesellschaft. Process for the preparation of aminopyrimidines. 4,831,138, 5-16-89, Cl. 544-320.000.
Lachiw, Mark J.; and Strammello, Peter, to Zenith Electronics Corporation. Image trap filter circuit. 4,835,608, 5-30-89, Cl. 358-191.100.
Lachman, Irwin M.; and Patil, Mallanagouda D., to Corning Glass Works. Method of crystallizing a zeolite on the surface of a monolithic ceramic substrate. 4,800,187, 1-24-89, Cl. 502-64.000.
Lachman, Irwin M.: *See—*
  DeAngelis, Thomas P.; Lachman, Irwin M.; and Wusirika, Raja R., 4,888,317, Cl. 502-60.000.
Lachman, John W.: *See—*
  Stewart, Gwendolyn J.; Ziskin, Marvin C.; Philips, Charles M.; Alburger, Philip D.; Lachman, John W.; Manuel, Donald W.; and Troisi, Michael R., 4,866,998, Cl. 73-866.500.
Lachman, Steven F.: *See—*
  Bowman-Jones, Gordon; and Warthan, James E., 4,804,862, Cl. 307-140.000.
Lachmann, Helmut: *See—*
  Brucher, Peter; and Lachmann, Helmut, 4,848,449, Cl. 165-160.000.
  Brucher, Peter; and Lachmann, Helmut, 4,858,684, Cl. 165-134.100.
Lachmann, Karl-Heinz, to Diehl GmbH & Co. Method and arrangement for determining passage through an apogee. 4,856,733, 8-15-89, Cl. 244-3.150.
Lachmann, Karl-Heinz; Sundermeyer, Peter; Schreier, Johann; Reindier, Albrecht; and Leininger, Jurgen, to Diehl GmbH & Co. Guided artillery projectile with trajectory regulator. 4,883,239, 11-28-89, Cl. 244-3.150.
Lachner, Hans, to Klockner-Becorit GmbH. Curve-negotiating endless conveyor system. 4,844,238, 7-4-89, Cl. 198-861.200.
Lachonius, Leif; and Abbestam, Goran, to Aktiebolaget SKF. Device for retaining two parallel tracks. 4,856,643, 8-15-89, Cl. 198-627.000.
Laciak, Daniel V.: *See—*
  Langsam, Michael; Puri, Pushpinder S.; Anand, Madhu; and Laciak, Daniel V., 4,859,215, Cl. 55-16.000.
Lack, Bryan C.: *See—*
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Lackey, Stanley A.: *See—*
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Lackhove, Josef: *See—*
  Karl, Heinz-Dietmar; Tinebor, Manfred; and Lackhove, Josef, 4,890,185, Cl. 361-91.000.
Lackler, Peter A.; and Carden, Douglas D., to BOC Group, Inc., The. Medical gas adapter with molded spring bias. 4,844,409, 7-4-89, Cl. 251-149.900.
Lackner, Gerald; and Denk, Heimo, to AVL Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik m.b.H. Prof.Dr.Dr.h.c. Hans List. Method and apparatus for testing internal combustion engines. 4,809,540, 3-7-89, Cl. 73-117.200.
Lackner, John R., to Scott Fetzer Company, The. Vacuum cleaner with powered brush roll. 4,847,944, 7-18-89, Cl. 15-392.000.
Lackner, John R., to Scott Fetzer Company, The. Disposable dust bag for vacuum cleaners and the like. 4,877,432, 10-31-89, Cl. 55-375.000.
Lackner, John R.: *See—*
  Grzywna, Stanley E.; Lackner, John R.; and Baird, Thomas E., 4,829,624, Cl. 15-320.000.
Lackner, Karl H. Feed-dispensing apparatus. 4,844,017, 7-4-89, Cl. 119-52.00B.
Lacolle, Jean-Yves: *See—*
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  Danree, Bernard; Faulques, Michelle; Lacolle, Jean-Yves; and Riffaud, Jean-Pierre, 4,880,807, Cl. 514-252.000.
Lacombe, Jean F.; and Miane, Jean L., to Aerospatiale Societe Nationale Industrielle. Device for continuously measuring the rate at which fibers conducting or not conducting electricity are impregnated by a substance. 4,885,527, 12-5-89, Cl. 324-58.50C.
LaConte, Dennis B. Pre-cooler apparatus and method for increasing ice maker output. 4,798,061, 1-17-89, Cl. 62-348.000.
LaConti, Anthony B.; and Griffith, Arthur E., to Giner, Inc. Diffusion-type sensor cell containing sensing and counter electrodes in intimate contact with the same side of a proton-conducting membrane and method of use. 4,820,386, 4-11-89, Cl. 204-1.00T.
LaConti, Anthony B.; and Coker, Thomas G., to General Electric Company. Multi-layer structure for electrode membrane-assembly and electrolysis process using same. 4,832,805, 5-23-89, Cl. 204-98.000.
LaConti, Anthony B.: *See—*
  Coker, Thomas G.; Fragala, Anthony R.; LaConti, Anthony B.; and Austin, John F., 4,822,544, Cl. 264-104.000.
  Molter, Trent M.; and LaConti, Anthony B., 4,818,637, Cl. 429-15.000.
LaCoste, Bernard L.; Dawawala, Suryakant K.; and Nelson, Robert M., to Westinghouse Electric Corp. Control valve. 4,834,133, 5-30-89, Cl. 137-315.000.
Lacoste, Jacques-Andre . Device to force open the door of a safety deposit box. 4,887,342, 12-19-89, Cl. 29-259.000.
Lacotte, Jean-Pierre; and Puech, Claude, to Thomson Brandt. Process for producing information supports capable of being optically read by variations in absorption. 4,888,266, 12-19-89, Cl. 430-141.000.
Lacoudre, Nicole: *See—*
  Dubois, Jean-Claude; Le Barny, Pierre; Spassky, Nicolas; Esselin, Sophie; Noel, Claudine; Lacoudre, Nicole; and Leborgne, Alain, 4,824,923, Cl. 536-298.000.
LaCount, Dale F.: *See—*
  Domian, Henry A.; LaCount, Dale F.; Miller, Alex S.; and Seibert, Kenneth D., 4,840,768, Cl. 420-582.000.
LaCount, Louis H. Cheese briner. 4,869,161, 9-26-89, Cl. 99-455.000.
LaCourt, Nelon N., II; Vyavaharkar, Dilip Y.; and Bussjager, Rudy, to Carrier Corporation. Slide plate economizer. 4,882,913, 11-28-89, Cl. 62-409.000.
Lacour, Alain P.: *See—*
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LaCour, Colette: *See—*
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Lacour, Gilles, to L'Enrouleur Electrique Moderne. Magnetic drive coupler with constant torque independent of output slippage. 4,876,471, 10-24-89, Cl. 310-105.000.
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Lacour, Jean-Charles, to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Pneumatic tire having bead ring with sawtooth ridges. 4,860,810, 8-29-89, Cl. 152-540.000.
LaCour, Paul M., to LaCour Incorporated. Modular desk system. 4,798,423, 1-17-89, Cl. 312-195.000.
Lacourse, Norman L.; and Altieri, Paul A., to National Starch and Chemical Corporation. Biodegradable packaging material and the method of preparation thereof. 4,863,655, 9-5-89, Cl. 264-53.000.
LaCourse, William C.; and Akhtar, Maysood, to Alfred University. Process for strengthening glass. 4,872,896, 10-10-89, Cl. 65-30.140.
LaCourt, Michael W., to Eastman Kodak Company. Microfilm Cassette. 4,811,058, 3-7-89, Cl. 355-72.000.
LaCourt, Michael W.: *See—*
  Momot, David; Townsend, Ensley E.; and LaCourt, Michael W., 4,806,960, Cl. 354-21.000.
Lacquement, Ralph G.; and Ruggles, William L., to Phillips Petroleum Company. Bent tube waste heat steam generator and method. 4,811,696, 3-14-89, Cl. 122-4.00D.
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  - Pasbrig, Max, 4,866,250, Cl. 219-299.000.
  - Pasbrig, Max, 4,889,320, Cl. 254-252.000.
- La Croce, Leonard T., to American National Can Company. Full open end. 4,826,037, 5-2-89, Cl. 220-273.000.
- Lacrois, Jean-Claude: *See—*
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- LaCroix, Edward, to SPS Technologies, Inc. Thread rolling dies. 4,862,718, 9-5-89, Cl. 72-88.000.
- LaCroix, Eugene F. Multi-purpose baton. 4,842,277, 6-27-89, Cl. 273-84.0ES.
- Lacroix, Guy: *See—*
  - Borrod, Guy; and Lacroix, Guy, 4,886,542, Cl. 71-087.000.
- Lacroix, Jacques. Connection device. 4,820,191, 4-11-89, Cl. 439-402.000.
- Lacroix, Jean-Claude: *See—*
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  - Herbin, Patrick; and Lacroix, Jean-Claude, 4,831,789, Cl. 51-363.000.
  - Herbin, Patrick; and Lacroix, Jean-Claude, 4,852,631, Cl. 164-98.000.
- Lacroix, Roger; Chatelain, Roland; and Kvita, Petr, to Ciba-Geigy Corporation. Process for the preparation of concentrated aqueous dye formulations of water-soluble organic dyes by membrane separation and with cross-flow micro-filtration to remove suspended or colloidal solids. 4,851,011, 7-25-89, Cl. 8-527.000.
- Lacruche, Bernard; Mestas, Jean-Louis; and Cathignol, Dominique, to Technomed International, S.A.; and Institut National de la Sante et de la Recherche Medicale. Device for advancing an electrode-holder element and use thereof in a shock wave generating apparatus. 4,866,330, 9-12-89, Cl. 313-146.000.
- Lacruche, Bernard: *See—*
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- Lacy, James V.: *See—*
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- Lacy, Jeffrey L., to Xenos Medical Systems, Inc. High speed multiwire photon camera. 4,870,282, 9-26-89, Cl. 250-385.100.
- Lacy, John P., to Steel Metallurgical Consultants, Inc. Bending of continuously cast steel with corrugated rolls to impart compressive stresses. 4,844,145, 7-4-89, Cl. 164-476.000.
- Lacy, Paul E.: *See—*
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- Lacy, Robert H., to Phillips Petroleum Company. Variable threshold amplifier. 4,843,260, 6-27-89, Cl. 307-362.000.
- Lacy, Robert H.; and Spencer, William A., to Applied Automation, Inc. Backup power system for dynamic memory. 4,884,242, 11-28-89, Cl. 365-229.000.
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  - Blackwell, Henry W.; Talley, Clifford L.; and Lacy, Rodger D., 4,848,459, Cl. 166-142.000.
- Laczko, Frank L.: *See—*
  - Greer, W. T., Jr.; and Laczko, Frank L., 4,796,229, Cl. 365-189.000.
- Laczkowski, James W.; and Bickerstaff, Kevin A. Stretch bundler. 4,850,177, 7-25-89, Cl. 53-556.000.
- LAD Technology: *See—*
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- Lada, Christopher O.: *See—*
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- Ladan, Uri; Karton, Boaz; and Klipper, Aron, to Israel Aircraft Industries Ltd. Mine field clearing apparatus. 4,840,105, 6-20-89, Cl. 89-1.130.
- Ladang, Michel, to Norton Company. Flame resistant polymers. 4,806,162, 2-21-89, Cl. 106-18.130.
- Ladany, Ivan, to RCA Corporation. Method of forming a channel. 4,845,014, 7-4-89, Cl. 430-323.000.
- Ladany, Ivan: *See—*
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- Ladd, Barry L.: *See—*
  - Barker, Charles A.; and Ladd, Barry L., 4,850,829, Cl. 418-15.000.
- Ladd, Judith A.; and Miller, Michael J., to GTE Products Corporation. Process for recovering chromium and other metal values from chromium bearing material. 4,798,708, 1-17-89, Cl. 423-55.000.
- Ladd, Judith A.: *See—*
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- Ladd, Kevin: *See—*
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- Ladd, Michael M., to Boeing Company, The. Variable heat conductance heat exchanger. 4,858,678, 8-22-89, Cl. 165-32.000.
- Ladduwahetty, Neville S. Structural support insert for use with concrete. 4,831,796, 5-23-89, Cl. 52-125.500.
- Ladebeck, Ralf: *See—*
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- Laderman, Arnold J.: *See—*
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- Ladick, Bryan E.: *See—*
  - Ladick, Robert B.; and Ladick, Bryan E., 4,858,934, Cl. 273-186.00A.
- Ladick, Robert B.; and Ladick, Bryan E., to Syntronix Systems Limited. Golf practice apparatus. 4,858,934, 8-22-89, Cl. 273-186.00A.
- Ladin, Eli M., to Federal-Mogul Corporation. Side assembled clip for self-aligning bearing. 4,815,867, 3-28-89, Cl. 384-617.000.
- Ladisa, Nicholas F. Door. 4,811,518, 3-14-89, Cl. 49-193.000.
- Ladisch, Thomas P. Flush sealing tank valve with diaphgram. 4,836,236, 6-6-89, Cl. 137-241.000.
- Ladish Co.: *See—*
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- Ladkani, David; Yellin, Haim; Weiner, Ben Z.; and Avnir, David, to Teva Pharmaceutical Industries, Ltd. Ethoxycarbonyloxy ethyl esters of non-steroidal anti-inflammatory carboxylic acids and pharmaceutical compositions thereof. 4,851,426, 7-25-89, Cl. 514-420.000.
- Ladkani, David: *See—*
  - Vaya, Jacob; Ladkani, David; Schoenberger, Clara; Kaspi, Joseph; Salemnick, Gad; Yellin, Haim; and Cherkez, Stephan, 4,889,929, Cl. 540-318.000.
- Ladner, Martha B.: *See—*
  - Kaswasaki, Ernest S.; Ladner, Martha B.; Van Arsdell, Janelle N.; Wang, Alice M.; Ralph, Peter; Coyne, Mazie Y.; and Warren, Mary K., 4,847,201, Cl. 435-70.000.
- Ladner, Robert C., to Genex Corporation. Computer based system and method for determining and displaying possible chemical structures for converting double- or multiple-chain polypeptides to single-chain polypeptides. 4,881,175, 11-14-89, Cl. 364-496.000.
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- Ladouceur, Stanley: *See—*
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- Ladriere, Serge. Firearms intended to fire a caseless projectile, and ammunition of this kind adapted for such weapons. 4,827,650, 5-9-89, Cl. 42-76.010.
- Ladue, John E.: *See—*
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  - Seeboth, Arno; Gloede, Joerg; Koswig, Hans-Dieter; Ladwig, Horst; Obernik, Hartwin; and Seeboth, Helmuth, 4,842,375, Cl. 350-339.00R.
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- Laemmerhirt, Klaus: *See—*
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- Laempe, Joachim. Apparatus for making molding sand. 4,798,471, 1-17-89, Cl. 366-65.000.
- Laempe, Joachim. Core making machine. 4,815,517, 3-28-89, Cl. 164-200.000.
- Laempe, Joachim, to Dipl. Ing. Laempe GmbH. Apparatus for metering flowable materials in sand core making machines. 4,828,461, 5-9-89, Cl. 417-132.000.
- Laenger, Charles J.; Hughes, Henry L.; and Burk, Thomas C., to Hillcrest Medical Center. Functional electrical stimulation synchronizer switch. 4,809,696, 3-7-89, Cl. 128-419.00R.
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- Laessle, David L.; Carlson, Todd S.; Krochmalny, Andrew J.; and Anderson, Leroy C., to Allied-Signal Inc. Decoupler shaft and air turbine starter having such a decoupler. 4,871,296, 10-3-89, Cl. 415-123.000.
- Laeuppi, Heinrich; and Rapp, Paul, to Thoma, Erhard. Apparatus for insertion of reinforcement rods in a concrete road surface. 4,798,49, 1-17-89, Cl. 404-100.000.
- Laeuppi, Heinrich; and Fedrizzi, Bruno, to Erhard Thoma. Road building machine. 4,799,820, 1-24-89, Cl. 404-100.000.
- LaFaille, Alain: *See—*
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- Lafayette Manufacturing, Inc.: *See—*
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- Lafayette, Maurice, Jr., to Lafayette Manufacturing, Inc. Apparatus and method for mounting stone siding. 4,819,404, 4-11-89, Cl. 52-749.000.
- Lafever, Alan W., to Universal Plastics Incorporated, a part interest. Shoe sole with retractable cleats. 4,873,774, 10-17-89, Cl. 36-61.000.
- Lafever, Edward E., to Dana Corporation. Unitary molded plastic valve seal. 4,834,037, 5-30-89, Cl. 123-188.00P.
- Lafferty, Donald L. Coupling network for improving conversion efficiency of photovoltaic power source. 4,873,480, 10-10-89, Cl. 323-229.000.
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- Lafitte, Louis D. Pressure relief system for down hole chemical cutters. 4,819,728, 4-11-89, Cl. 166-298.000.
- Lafler, Lawrence R., to General Signal Corporation. Signal conditioner for a linear variable differential transformer. 4,847,548, 7-11-89, Cl. 323-264.000.
- Lafler, Robert E., to Westvaco Corporation. Simulated watermark printing system. 4,824,486, 4-25-89, Cl. 106-30.000.
- LaFleur, Arnie: *See—*
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  - LaFleur, Arthur E.; LaFleur, Arnie; and LaFleur, Lee, 4,817,824, Cl. 222-105.000.
- LaFleur, Arthur E.; LaFleur, Arnie; and LaFleur, Lee, to Custom Packaging Systems, Inc. Collapsible bag and method. 4,798,572, 1-17-89, Cl. 493-195.000.
- LaFleur, Arthur E.; LaFleur, Arnie; and LaFleur, Lee to Custom Packaging Systems, Inc. Collapsible bulk container. 4,817,824, 4-4-89, Cl. 222-105.000.
- Lafleur, Jean-Claude. Panel structure for garage doors and the like. 4,802,319, 2-7-89, Cl. 52-455.000.
- LaFleur, Lee: *See—*
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  - LaFleur, Arthur E.; LaFleur, Arnie; and LaFleur, Lee, 4,817,824, Cl. 222-105.000.
- Lafon, Jean-Claude; and Gharbi, Tijani, to University de Franche-Comte. Hearing aid devices in which high frequency signal portions are transposed in low frequency compenstion signal portions. 4,843,623, 6-27-89, Cl. 381-68.200.
- Lafon, Louis, to Laboratoire L. Lafon. 1-(aminophenyl)-2-aminoethanone derivatives. 4,816,489, 3-28-89, Cl. 514-649.000.
- Lafon, Louis, to Laboratoire L. Lafon. Fluorophenacyl-amine derivatives and application thereof in therapeutics. 4,835,315, 5-30-89, Cl. 564-363.000.
- Lafon, Louis, to Laboratoire L. Lafon. 4-Phenylthiazole derivatives. 4,847,274, 7-11-89, Cl. 514-365.000.
- Lafon, Louis, to Laboratoire L. Lafon. Treatment of depression by using a fluorophenacylamine derivative. 4,861,801, 8-29-89, Cl. 514-653.000.
- Lafon, Louis, to Laboratoire L. Lafon. 1-(acetylaminophenyl)-2-aminopropanone derivatives and antidepressant compositions thereof. 4,877,812, 10-31-89, Cl. 514-630.000.
- Lafon, Louis: *See—*
  - Rey, Louis; Ottar, Brynjulf; and Lafon, Louis, 4,883,507, Cl. 55-97.000.
- Lafond, Jacques: *See—*
  - Simon, James R.; True, Donald C.; and Lafond, Jacques, 4,870,902, Cl. 102-201.000.
- Laforest, Pierre: *See—*
  - Gagnon, Pierre; and Laforest, Pierre, 4,875,660, Cl. 254-1.000.
- Lafosse, Louisette: *See—*
  - Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.
- Lafranca, Francois: *See—*
  - Mettoudi, Isaac; and Lafranca, Francois, 4,862,111, Cl. 331-96.000.
- LaFreniere, Dennis R.; and McConnell, Ronald E., to LaFreniere, Dennis R. Handling device for coins, tokens and the like. 4,874,348, 10-17-89, Cl. 453-50.000.
- LaFreniere, Lucie Y., to Exxon Research and Engineering Company. Method for reducing the cloud point of materials using an ultrafiltration separation process. 4,874,523, 10-17-89, Cl. 210-651.000.
- Lafreniere, Roger F., to Advanced Identification Systems, Inc. Video image system for personal identification. 4,821,118, 4-11-89, Cl. 358-108.000.
- LaFreniere, Terry R. Combination stroller and car seat. 4,832,354, 5-23-89, Cl. 280-30.000.
- Lagabe, Andre: *See—*
  - Bucher, Claude; and Lagabe, Andre, 4,848,805, Cl. 285-105.000.
- Lagache, Remi: *See—*
  - Moeneclaey, Denis; Lagache, Remi; Victoor, Johnny; and Coopman, Lucien, 4,840,203, Cl. 139-453.000.
- Lagadec, Roger; and Piot, Julien, to Willi Studer, AG. Method and apparatus for reproducing digitized signals. 4,821,298, 4-11-89, Cl. 375-122.000.
- Lagadec, Roger: *See—*
  - Koch, Andreas; Lagadec, Roger; and Pelloni, Daniele, 4,825,398, Cl. 364-724.100.
- Lagain, Georges, to FMC Corporation. Machine for the manufacture and stacking of bags, pouches and the like made from a thermoplastic material. 4,798,573, 1-17-89, Cl. 493-204.000.
- Lagain, Georges, to FMC Corporation. Machine for the manufacture and stacking of bags, pouches and the like made from a thermoplastic material. 4,846,776, 7-11-89, Cl. 493-204.000.
- Lagally, Hermann O.: *See—*
  - Wepfer, Robert M.; and Lagally, Hermann O., 4,813,117, Cl. 29-157.400.
- Laganis, Evan D.; and West, Alden D., to Du Pont de Nemours, E. I., and Company. Infrared laser recording film. 4,882,265, 11-21-89, Cl. 430-522.000.
- Lagarde, Gilles, to Sanofi. Process for the treatment of milk for cheesemaking. 4,798,726, 1-17-89, Cl. 426-40.000.
- Lagasse, Lyle E.; and Andrews, Dennis D. General purpose dual mode clock and timer unit. 4,888,748, 12-19-89, Cl. 368-107.000.
- Lagatore, Tammy. Composition for strengthening fingernails. 4,871,533, 10-3-89, Cl. 424-61.000.
- Lagaude, Christian H.: *See—*
  - Ollivier, Jean; Lagaude, Christian H.; Baptiste, Hubert; and Larrouy, Michele, 4,859,373, Cl. 562-119.000.
- Lageder, Heinrich; Masek, Jaroslav; and Prochazka, Kamil, to BBC Brown, Boveri & Company, Ltd. Device for generating a prestress when two connection parts are coupled rigidly. 4,801,216, 1-31-89, Cl. 403-24.000.
- Lageder, Heinrich; Masek, Jaroslav; and Prochazka, Kamil, to BBC Brown, Boveri & Company, Ltd. Return mechanism of an actuating drive. 4,802,403, 2-7-89, Cl. 91-374.000.
- Lagenbach, John F.: *See—*
  - Langenbach, George; and Lagenbach, John F., 4,844,521, Cl. 292-143.000.
- Lagendijk, Andre; and Riahi, Shantia, to Air Products and Chemicals, Inc. Ion implant using tetrafluoroborate. 4,851,255, 7-25-89, Cl. 427-38.000.
- Lagergren, Lars: *See—*
  - Eriksson, Lars, 4,856,241, Cl. 52-217.000.
- Lagergren, Peter J.; and Roh, David J., to Pandel Instruments, Inc. Flowmeter for use in a flow monitoring system. 4,798,092, 1-17-89, Cl. 73-861.770.
- Lagergren, Peter J.: *See—*
  - Allen, C. Cameron, Jr.; and Lagergren, Peter J., 4,850,226, Cl. 73-610.000.
- Lagerlund, Inger: *See—*
  - Cameron, David G; Hudson, Harry R.; Lagerlund, Inger; and Pianka, Max, 4,888,330, Cl. 514-114.000.
- Lagerpusch, Klaus: *See—*
  - Grothaus, Ulrich; and Lagerpusch, Klaus, 4,881,134, Cl. 358-328.000.
- Lagerstedt, Jan; and Martensson, Kjell, to AB Tetra Pak. Packing container provided with a reclosable opening arrangement. 4,798,296, 1-17-89, Cl. 206-631.200.
- Lagerstedt, Jan: *See—*
  - Jacobsson, Kenth; and Lagerstedt, Jan, 4,815,655, Cl. 229-123.200.
- Lagerstedt, Torgny: *See—*
  - Borgstrom, Leonard; Carlsson, Claes G.; Franzen, Peter; Inge, Claes; Lagerstedt, Torgny; Moberg, Hans; and Nabo, Olle, 4,861,329, Cl. 494-73.000.
- Lagerwaard, Cornelis A.: *See—*
  - Cornelissen, Johannes M.; Klugkist, Jan; Lagerwaard, Cornelis A.; Swarthoff, Ton; Thom, David; and Thom, David, 4,861,509, Cl. 252-174.120.
- Lagerwall, Sven T.; Andersson, Gunnar; Dahl, Ingolf; Kuczynski, Wojciech; Sharp, Kent; and Stebler, Bengt, to S.A.R.L. S.T. Lagerwall. Device for submicrosecond electro-optic modulation in the liquid crystal smectic-A phase using orthogonal bookshelf geometry. 4,838,663, 6-13-89, Cl. 350-350.00S.
- Lagerwall, Sven T.: *See—*
  - Clark, Noel A.; and Lagerwall, Sven T., 4,813,767, Cl. 350-341.000.
  - Clark, Noel A.; and Lagerwall, Sven T., 4,840,463, Cl. 350-350.00S.
- LaGesse, Michael F.; and LaGesse, Sally. Automatic coffee maker. 4,872,403, 10-10-89, Cl. 99-280.000.
- LaGesse, Sally: *See—*
  - LaGesse, Michael F.; and LaGesse, Sally, 4,872,403, Cl. 99-280.000.
- Laghate, Ashok S.: *See—*
  - Visser, Leo; and Laghate, Ashok S., 4,816,138, Cl. 208-179.000.
- Lagier, Daniel; and Auffray, Jean-Pierre, to Jaeger. Electrical transmission ring assembly disposed between the steering column and the steering wheel of an automobile vehicle. 4,850,881, 7-25-89, Cl. 439-22.000.
- Lagier, Michel, to Thomson-CSF. Anechoic coating for acoustic waves. 4,883,143, 11-28-89, Cl. 181-286.000.
- Lagieski, Daniel P.; and Thompson, Todd B. Oral hygiene system. 4,811,445, 3-14-89, Cl. 15-104.940.
- Lagnier, Alain, to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Tread for radial tire the elements in relief of which are provided with incisions having broken line or undulated line traces in the direction of their depth. 4,794,965, 1-3-89, Cl. 152-209.00R.
- Lagoutte, Michele: *See—*
  - Vanlerberghe, Guy; Sebag, Henri; Lagoutte, Michele; and Grollier, Jean F., 4,879,107, Cl. 424-70.000.
- Lagova, Nina D.: *See—*
  - Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova,

  - Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.
- Lagow, Ralph J. Method and apparatus for generating power from a vapor. 4,864,826, 9-12-89, Cl. 60-670.000.
- Lagow, Richard J.; Bierschenk, Thomas R.; and Juhlke, Timothy J., to ExFluor Research Corporation. Perfluoropolyethers. 4,827,042, 5-2-89, Cl. 568-603.000.
- Lagow, Richard J.: *See—*
  - Bierschenk, Thomas R.; Juhlke, Timothy J.; and Lagow, Richard J., 4,859,747, Cl. 525-409.000.
  - Juhlke, Timothy J.; Bierschenk, Thomas R.; and Lagow, Richard J., 4,803,005, Cl. 252-58.000.
- Lagrange, Alain: *See—*
  - Lang, Gerard; Maignan, Jean; Forestier, Serge; Restle, Serge; Lagrange, Alain; and Shroot, Braham, 4,876,381, Cl. 560-56.000.
- LaGrange, Donald E.: *See—*
  - Herold, Stanley J.; LaGrange, Donald E.; Limberger, Thomas R.; and Taylor, James F., 4,805,533, Cl. 102-341.000.
- LaGrange, Nyle D.; Nielsen, Darryl M.; and Peterson, Terry A., to Marley-Wylain Company, The. Submersible pump with expanded foam housing. 4,806,083, 2-21-89, Cl. 417-423.140.
- Lagree, Dale A.; and Leavitt, Frederick W., to Union Carbide Corporation. Pressure swing adsorption process for gas separation. 4,810,265, 3-7-89, Cl. 55-26.000.
- Lagrue, Jean-Pierre: *See—*
  - Lefevre, Remi; and Lagrue, Jean-Pierre, 4,815,435, Cl. 123-489.000.
- Lagsdin, Andry. Stabilizer pad for earthmoving apparatus. 4,889,362, 12-26-89, Cl. 280-763.100.
- Laguette, Stephen W.: *See—*
  - East, Gary P.; Laguette, Stephen W.; Heindl, Alfons; and Lintula, Leanne M., 4,861,331, Cl. 604-5.000.
  - Schulte, Rudolf R.; Laguette, Stephen W.; and East, Gary P., 4,795,437, Cl. 604-10.000.
- Laguilharre, Pierre R. Removable power unit for load carrying vehicles such as golf caddies and a load carrying vehicle equipped with this power unit. 4,848,497, 7-18-89, Cl. 180-65.600.
- Lagunas-Solar, Manuel: *See—*
  - Jungerman, John A.; Peck, Neal F.; Hines, Horace H.; and Lagunas-Solar, Manuel, 4,818,468, Cl. 376-195.000.
- Lagushenko, Radomir; Maya, Jakob; and Pai, Robert Y., to GTE Products Corporation. Discharge lamp having multiple constrictions. 4,825,125, 4-25-89, Cl. 313-493.000.
- Lagushenko, Radomir; and Maya, Jakob, to GTE Products Corporation. Low pressure arc discharge tube having increased voltage. 4,884,007, 11-28-89, Cl. 313-573.000.
- Lagushenko, Rodomir: *See—*
  - Maya, Jakob; and Lagushenko, Rodomir, 4,816,719, Cl. 313-610.000.
- Laguzza, Bennett C.; and Nichols, Cynthia L., to Eli Lilly and Company. Hydrazone immunoglobulin conjugates. 4,801,688, 1-31-89, Cl. 530-391.000.
- Laguzza, Bennett C.; Nichols, Cynthia L.; and Bach, Nicholas J., to Eli Lilly and Company. 2-Alkyl(or phenyl)thio-6-n-alkylergolines are dopamine D-1 antagonists without D-2 agonist activity. 4,801,712, 1-31-89, Cl. 546-67.000.
- Lah, Gunnar: *See—*
  - Babendererde, Siegmund; Lah, Gunnar; and Braach, Otto, 4,820,458, Cl. 264-34.000.
- Lahaije, Paul D. M. E.: *See—*
  - Driessen, Leonardus M. H. E.; Janse, Cornelis P.; and Lahaije, Paul D. M. E., 4,888,698, Cl. 364-443.000.
- Lahalih, Shawqui; and Absi-Halabi, Ma'mun, to Kuwait Institute for Scientific Research. Utilization of melamine waste effluent. 4,797,433, 1-10-89, Cl. 524-3.000.
- Lahalih, Shawqui; and Absi-Halabi, Ma'mun. Highly stable sulfonated melamine-formaldehyde condensate solution. 4,820,766, 4-11-89, Cl. 524-843.000.
- Lahalih, Shawqui; Dairanieh, Issam; and Absi-Halabi, Ma'mun. Stable mud drilling fluid additive, composition and process for making the same. 4,839,095, 6-13-89, Cl. 252-8.514.
- Lahalih, Shawqui; Akashah, Saed-El-Deen; and Al-Hajjar, Farouk, to Kuwait Institute for Scientific Research. Multilayer degradeable and controlled release multinutrient mulch film, and process for preparing same. 4,845,888, 7-11-89, Cl. 47-9.000.
- Lahav, Meir: *See—*
  - Zbaida, David; Shavit, Edna; Addadi, Lia; Lahav, Meir; and Weissbuch, Isabelle, 4,864,031, Cl. 548-344.000.
- La Haye, John L.: *See—*
  - Jorgensen, Allen R.; Belongia, Larry P.; Gordon, Kenneth A.; and La Haye, John L., 4,798,350, Cl. 242-64.000.
- LaHaye, Peter G.; and Selling, John A., to LaHaye, Peter G. Medical dispenser and preparation for inflamed tissue. 4,877,781, 10-31-89, Cl. 514-179.000.
- Lahde, Frank U., to Alten Corporation, The. Indicating liquid funnel. 4,796,470, 1-10-89, Cl. 73-294.000.
- La Heij, Gerardus E.: *See—*
  - Blythe, Robert J.; Bond, Robert; and La Heij, Gerardus E., 4,845,154, Cl. 525-237.000.
- Lahijani, Jacob: *See—*
  - Chern, Terry S.; De La Veaux, Stephan C.; Lahijani, Jacob; and Van Trump, James E., 4,883,634, Cl. 264-555.000.
- Lahita, Michael J., to AMCA International Corporation. Radiation resistant door seal. 4,817,337, 4-4-89, Cl. 49-483.000.
- Lahitte, Pierre V. A.: *See—*
  - Guillou, Bernard P. V.; and Lahitte, Pierre V. A., 4,850,903, Cl. 439-784.000.
  - Guillou, Bernard P. Y.; and Lahitte, Pierre V. A., 4,853,656, Cl. 333-34.000.
  - Guillou, Bernard P. Y.; and Lahitte, Pierre V. A., 4,866,369, Cl. 324-58.00B.
- Lahm, Heinrich; Grossmann, Walter; and Schleich, Gunther, to Index-Werke Komm.-Ges. Hahn & Tessky. Device for setting the working point of a tool in an NC machine tool. 4,818,925, 4-4-89, Cl. 318-567.000.
- Lahman, Thomas E. Multi-purpose exercise bench. 4,828,255, 5-9-89, Cl. 272-144.000.
- Lahman, Thomas E. Exercise device. 4,832,336, 5-23-89, Cl. 272-144.000.
- Lahn, Bernd-Jurgen; and Frielingsdorf, Raimund, to Pierburg GmbH. In a pump wheel of a side-channel fuel pump. 4,834,612, 5-30-89, Cl. 415-119.000.
- Lahndorff, Kendell S.; and Bewley, Wilbur C., Jr., to Whirlpool Corporation. Anti-cord swallowing system and method for a floor cleaner. 4,802,254, 2-7-89, Cl. 15-41.00R.
- Lahndorff, Kendell S.: *See—*
  - Bewley, Wilbur C., Jr.; Lahndorff, Kendell S.; and Nauman, Jeffrey M., 4,864,682, Cl. 15-371.000.
- Lahr, Helfrid; and Betz, Gerhard, to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH. Apparatus for pulling a plurality of fuel rods from a fuel element. 4,858,306, 8-22-89, Cl. 29-723.000.
- Lahr, Robert G., to Ideal Loisirs. Continuous slot racing system. 4,795,154, 1-3-89, Cl. 273-86.00B.
- Lahr, Roy J., to Creative Associates. Ribbon indicia system. 4,797,016, 1-10-89, Cl. 400-237.000.
- Lahr, Roy J., to Creative Associates. Rotary print element, components thereof and drive coupling apparatus therefor. 4,828,413, 5-9-89, Cl. 400-174.000.
- Lahr, Roy J. Portable self-defense device. 4,846,044, 7-11-89, Cl. 89-1.110.
- Lahr, Wolfgang: *See—*
  - Nandi, Kumaresh; Fischer, Helga; Herrmann, Wilfried; Kohne, Hans; Lahr, Wolfgang; Schmersahl, Hein U.; and Walch, Hanno, 4,855,300, Cl. 514-264.000.
- Lahrman, David F.: *See—*
  - Bantel, Thomas E.; Lahrman, David F.; and Halase, John F., III, 4,818,118, Cl. 374-7.000.
- Lahti, Archie E., to Unisys Corporation. Scientific processor vector file organization. 4,875,161, 10-17-89, Cl. 364-200.000.
- Lahti, Archie E.: *See—*
  - Rusterholz, John T.; Lahti, Archie E.; Bushard, Louis B.; Byers, Larry L.; Hamstra, James R.; and Homan, Charles J., 4,873,630, Cl. 364-200.000.
- Lahti, Daniel J.; and Younghans, James L., to General Electric Company. Laminar flow necelle. 4,799,633, 1-24-89, Cl. 244-130.000.
- Lahti, Eero: *See—*
  - Ahonen, Heikki; Hakulinen, Reijo; and Lahti, Eero, 4,865,783, Cl. 264-37.000.
- Lai, Alexander K.: *See—*
  - Nobles, Anthony A.; Nobles, Verne H.; Fleming, Jon H.; Terrell, Charles T.; and Lai, Alexander K., 4,820,167, Cl. 434-336.000.
- Lai, Charles, to Digital Equipment Corporation. Print engine data interface. 4,809,216, 2-28-89, Cl. 364-900.000.
- Lai, Ching Ming. Structure of shelf at balcony. 4,848,610, 7-18-89, Cl. 211-90.000.
- Lai, Chiu K. S.: *See—*
  - Simson, Morris; Fabricius, John H.; Browne, Ronnie; Waugh, Arthur; Sarkozy, Robert F.; and Lai, Chiu K. S., 4,854,266, Cl. 118-728.000.
- Lai, Chong K.; and Dobkin, Robert C., to Linear Technology Corporation. High thermal resistance bonding material and semiconductor structures using same. 4,888,634, 12-19-89, Cl. 357-72.000.
- Lai, Genhone. Structure of racket handles. 4,836,544, 6-6-89, Cl. 273-73.00J.
- Lai, George Y.: *See—*
  - Rothman, Michael F.; Klarstrom, Dwaine L.; and Lai, George Y., 4,853,185, Cl. 420-584.000.
- Lai, Hoi K.; Davis, Robert A.; and Blem, Allen R., to Uniroyal Chemical Company, Inc.; and Uniroyal Chemical Ltd./Ltee. Azole derivatives of naphthalenone oxime esters. 4,857,649, 8-15-89, Cl. 548-262.000.
- Lai, Jan-Ji; Smith, Kevin M.; and McCaul, Bruce W., to Healux, Inc. Storage-stable porphin compositions and a method for their manufacture. 4,882,234, 11-21-89, Cl. 514-185.000.
- Lai, John T.: *See—*
  - Kletecka, George; Lai, John T.; and Son, Pyong-Nae, 4,797,438, Cl. 524-100.000.
  - Son, Pyong-Nae; Jacobs, Charles P.; Kovach, Ronald M.; and Lai, John T., 4,841,053, Cl. 544-384.000.
- Lai, Konrad: *See—*
  - Imel, Michael T.; Lai, Konrad; Myers, Glenford J.; Steck, Randy; and Valerio, James, 4,823,260, Cl. 364-200.000.
  - Myers, Glenford J.; Lai, Konrad; Imel, Michael T.; Hinton, Glenn; and Riches, Robert, 4,811,208, Cl. 364-200.000.
- Lai, Kuo-Yann, to Colgate-Palmolive Company. Foam enhancing agent for light duty detergent. 4,877,546, 10-31-89, Cl. 252-174.170.
- Lai, Mun F.: *See—*
  - Manley, Paul W.; Porter, Roderick A.; and Lai, Mun F., 4,837,331, Cl. 548-341.000.
- Lai, Shui-Chuan. Club head angle measuring instrument. 4,817,294, 4-4-89, Cl. 33-508.000.

- Lai, Shui T.: *See—*
  - Chai, Bruce H.; Lai, Shui T.; and Long, Margaret N., 4,841,530, Cl. 372-41.000.
- Lai, Shun T. Trap. 4,873,785, 10-17-89, Cl. 43-61.000.
- Lai, Ta-Wang; and Vijayendran, Bheema R., to Air Products and Chemicals, Inc. Cement composition for oil well drilling holes containing high molecular weight poly (vinylamines). 4,795,770, 1-3-89, Cl. 524-5.000.
- Lai, Ta-Wang; and Vijayendran, Bheema R., to Air Products and Chemicals, Inc. Compositions containing high molecular weight poly(vinylamines) for enhanced oil recovery. 4,798,871, 1-17-89, Cl. 525-328.200.
- Lai, Ta-Wang; and Vijayendran, Bheema R., to Air Products and Chemicals, Inc. Drilling mud compositions containing high molecular weight poly (vinylamines). 4,804,793, 2-14-89, Cl. 574-445.000.
- Lai, Ta-Wang; and Vijayendran, Bheema R., to Air Products and Chemicals, Inc. Completion fluids containing high molecular weight poly(vinylamines). 4,828,725, 5-9-89, Cl. 252-8.551.
- Lai, Ta-Wang; and Vijayendran, Bheema R., to Air Products and Chemicals, Inc. Acidized fracturing fluids containing high molecular weight poly(vinylamines) for enhanced oil recovery. 4,843,118, 6-27-89, Cl. 524-555.000.
- Lai, Wen-Chao: *See—*
  - Rourke, William J.; Lai, Wen-Chao; and Natansohn, Samuel, 4,816,233, Cl. 423-21.500.
- Lai, Wen-Tan. Power transmission mechanism of an electric stapler. 4,811,885, 3-14-89, Cl. 227-131.000.
- Laib, Gregory D.: *See—*
  - Fiore, Anthony M.; Hempel, Bruce C.; Laib, Gregory D.; and Liang, Bob C., 4,805,117, Cl. 364-518.000.
  - Hempel, Bruce C.; Laib, Gregory D.; and Liang, Bob C., 4,870,599, Cl. 364-518.000.
- Laib, Wilhelm. Sailboat. 4,796,554, 1-10-89, Cl. 114-39.100.
- Laible, Rodney; and Brown, Daniel, to Custom Medical Plastics, Inc. Self-closing sharps container with hand protection. 4,809,850, 3-7-89, Cl. 206-366.000.
- Laico, Joseph P.; and Molino, Joseph L. Protective sheath for hypodermic needle. 4,804,372, 2-14-89, Cl. 604-198.000.
- Laidely, Peter. Suspension component assembly for a tandem axle assembly. 4,846,495, 7-11-89, Cl. 280-680.000.
- Laidlaw, Curtis L.; and Brewer, Bradley J. Thread cleaning nut. 4,889,460, 12-26-89, Cl. 411-437.000.
- Laidlaw, Gerry A. Chain saw safety structure. 4,841,641, 6-27-89, Cl. 30-382.000.
- Laidlaw, John: *See—*
  - Ricciardi, Ronald J.; and Laidlaw, John, 4,867,343, Cl. 222-1.000.
- Laido, Michael. Storage and transport containers for heavy and/or fragile objects. 4,802,619, 2-7-89, Cl. 229-125.190.
- Laier, Carl P., to AMP Incorporated. Key switch with controllable illumination. 4,812,831, 3-14-89, Cl. 340-711.000.
- Laig-Horstebrock, Helmut; and Krey, Winfried, to Varta Batterie Aktiengesellschaft. Electrochemical cell. 4,865,927, 9-12-89, Cl. 429-50.000.
- Lailach, Gunter; and Schultz, Karl-Heinz, to Bayer Aktiengesellschaft. Process for the production of titanium dioxide pigments. 4,797,163, 1-10-89, Cl. 166-437.000.
- Lailach, Gunter; and Gerken, Rudolf, to Bayer Aktiengesellschaft. Process for the preparation of sulphur dioxide. 4,824,655, 4-25-89, Cl. 423-541.00R.
- Lailach, Gunter: *See—*
  - Dietz, Wolfgang; Gerken, Rudolf; Lailach, Gunter; and Clasen, Peter, 4,880,446, Cl. 55-71.000.
  - Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Gerken, Rudolf; and Lailach, Gunter, 4,834,954, Cl. 423-242.000.
- Laine, Derek C.; and Taha, Mohammad I. A., to University of Keele. Frequency stabilization of gas lasers. 4,853,935, 8-1-89, Cl. 372-32.000.
- Laine, Paavo, to Oy Tampella AB. Device for cutting off an edge strip and for guiding the edge strip in connection with the threading of a paper or board web. 4,818,343, 4-4-89, Cl. 162-286.000.
- Laine, Richard M., to SRI International. Method of preparing metal carbides and the like and precursors used in such method. 4,826,666, 5-2-89, Cl. 423-249.000.
- Laine, Richard M.: *See—*
  - Blum, Yigal D.; and Laine, Richard M., 4,801,439, Cl. 423-284.000.
- Laine, Richard O.: *See—*
  - Kaiura, Gary H.; Jackson, James F.; and Laine, Richard O., 4,814,004, Cl. 75-24.000.
- Laing, Birger J.: *See—*
  - Laing, Karsten A.; and Laing, Birger J., 4,818,193, Cl. 417-423.150.
  - Laing, Oliver P.; Laing, Karsten A.; Laing, Birger J., and Laing, Doerte A., 4,869,314, Cl. 165-120.000.
- Laing, David: *See—*
  - Hawkins, Ross H.; Laing, David; and Bedington, Bryan C., 4,841,359, Cl. 358-76.000.
- Laing, Doerte A.: *See—*
  - Laing, Oliver P.; Laing, Karsten A.; Laing, Birger J.; and Laing, Doerte A., 4,869,314, Cl. 165-120.000.
- Laing Holding and Associates: *See—*
  - Laing, Karsten A.; and Laing, Birger J., 4,818,193, Cl. 417-423.150.
- Laing, Johannes L. N.: *See—*
  - Laing, Oliver; and Laing, Johannes L. N., 4,873,828, Cl. 60-659.000.
- Laing, Johannes N.: *See—*
  - Laing, Karsten A.; Ludin, Ludwig; and Laing, Johannes N., 4,874,300, Cl. 411-420.000.
- Laing, Karsten. Bearing support for spherical pumps. 4,822,256, 4-18-89, Cl. 417-420.000.
- Laing, Karsten A.; and Laing, Birger J., to Laing Holding and Associates. Centrifugal pump selectively mountable in centerline or inline position. 4,818,193, 4-4-89, Cl. 417-423.150.
- Laing, Karsten A. Rotor-magnet unit. 4,834,628, 5-30-89, Cl. 417-420.000.
- Laing, Karsten A.; Ludin, Ludwig; and Laing, Johannes N. Ceramic step bearing in a centrifugal pump. 4,874,300, 10-17-89, Cl. 411-420.000.
- Laing, Karsten A.; Laing, Oliver P.; and Laing, Nikolaus J. Rotor with stabilizing magnets. 4,880,362, 11-14-89, Cl. 417-365.000.
- Laing, Karsten A.: *See—*
  - Laing, Oliver P.; Laing, Karsten A.; Laing, Birger J.; and Laing, Doerte A., 4,869,314, Cl. 165-120.000.
- Laing, Nikolaus J.: *See—*
  - Laing, Karsten A.; Laing, Oliver P.; and Laing, Nikolaus J., 4,880,362, Cl. 417-365.000.
- Laing, Oliver; and Laing, Johannes L. N. Energy storage for off peak electricity. 4,873,828, 10-17-89, Cl. 60-659.000.
- Laing, Oliver P.; Laing, Karsten A.; Laing, Birger J.; and Laing, Doerte A. Heat exchanger with secondary and tertiary heat exchange surface. 4,869,314, 9-26-89, Cl. 165-120.000.
- Laing, Oliver P.: *See—*
  - Laing, Karsten A.; Laing, Oliver P.; and Laing, Nikolaus J., 4,880,362, Cl. 417-365.000.
- Lainiere de Picardie: *See—*
  - Groshens, Pierre, 4,869,081, Cl. 66-192.000.
  - Groshens, Pierre, 4,874,655, Cl. 428-198.000.
- Lainiere de Picardie, S.A.: *See—*
  - Demoulin, Bernard, 4,868,012, Cl. 427-208.200.
- Laipply, Robert A., to Aeroquip Corporation. Combination quick-connect and thread-disconnect tube connector. 4,889,368, 12-26-89, Cl. 285-18.000.
- Lair, Christopher: *See—*
  - Smith, Stephen W.; Londeen, Gilbert E.; and Lair, Christopher, 4,875,552, Cl. 187-1.00R.
  - Smith, Stephen W.; Londeen, Gilbert E.; and Lair, Christopher, 4,875,553, Cl. 187-1.00R.
- L'Air Liquide: *See—*
  - Virey, Franck; and Goumy, Daniel, 4,812,156, Cl. 65-83.000.
- L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude: *See—*
  - Amen, Jean; and Cabau, Michel, 4,797,364, Cl. 435-243.000.
  - Arnout, Michel; Fonteneau, Patrick; and Lasnier, Didier, 4,821,963, Cl. 239-419.300.
  - Arnout, Michel; Dufour, Eric; and Le Goff, Roger, 4,830,681, Cl. 148-9.00R.
  - Bourdon, Guy; Lampin, Dominique; and Leclerc, Daniel, 4,811,755, Cl. 137-486.000.
  - Brugerolle, Jean-Renaud, 4,818,262, Cl. 62-22.000.
  - Brugerolle, Jean-Renaud; Combe, Michel; and Paganessi, Joseph, 4,847,057, Cl. 423-234.000.
  - Champain, Roger; and Theurant, Gilbert, 4,827,922, Cl. 128-204.210.
  - Champain, Roger, 4,848,332, Cl. 128-204.210.
  - Coffre, Eric; Gary, Daniel; di Giulio, Christophe; Loiseau, Gerard; and Torelli, Gerard, 4,836,242, Cl. 137-505.420.
  - Delatte, Daniel; and Simon, Bernard, 4,878,594, Cl. 220-254.000.
  - Grenier, Maurice; and Petit, Pierre, 4,863,497, Cl. 55-181.000.
  - Hay, Leon, 4,840,647, Cl. 55-26.000.
  - Hays, Jean-Francois; Legrand, Pierre; Verna, Eric; Delzenne, Michel; Reynaud, Bernard; and Gaillard, Pierre, 4,855,566, Cl. 219-130.400.
  - Hirase, Ikuo; and Rufin, Denis, 4,886,444, Cl. 431-5.000.
  - Jeanne, Francis; Lombard, Serge; and Schmidt, Emmanuel, 4,801,359, Cl. 204-1.00T.
  - Lutgen, Noel F.; and Hornby-Anderson, Sara, 4,848,751, Cl. 266-44.000.
  - Meyer, Jean-Marc; and Mizandjian, Jean-Luc, 4,835,937, Cl. 53-88.000.
  - Mizandjian, Jean-Luc; Pean, Jean-Louis; and Amen, Jean, 4,870,801, Cl. 53-432.000.
  - Mondain-Monval, Gerard, 4,820,258, Cl. 600-1.000.
  - Pelloux-Gervais, Pierre; Zapata, Richard; and Bres, Michel, 4,889,113, Cl. 128-201.250.
  - Politi, Jean-Marie, 4,802,504, Cl. 137-454.500.
  - Rignon, Maurice; and Malafosse, Jean, 4,830,717, Cl. 204-74.000.
  - Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.
  - Roussel, Jacques; and Cochet, Xavier, 4,853,136, Cl. 210-761.000.
  - Schultz, Jean-Pierre; and Verna, Eric, 4,885,455, Cl. 219-121.460.
  - Thonnelier, Jean-Yves, 4,874,413, Cl. 62-23.000.
  - Virey, Franck, 4,806,137, Cl. 65-26.000.
- L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploition des Procedes Georges Claude: *See—*
  - Rufin, Denis; and Hirase, Ikuo, 4,872,944, Cl. 156-626.000.
- Lair, Stephen V.; and Digan, Mary E., to Phillips Petroleum Company. Double auxotrophic mutants of *Pichia pastoris* and methods for preparation. 4,812,405, 3-14-89, Cl. 435-255.000.
- Laird, James A.: *See—*
  - Gibb, James L.; Laird, James A.; and Bernison, Leslie G., 4,869,960, Cl. 428-405.000.

Laird, Keith A., to Hoechst Celanese Corporation. Rhodium recovery from hydroformylation reaction product. 4,871,879, 10-3-89, Cl. 568-454.000.

Laird, Oscar B. Hand brake apparatus for hand trucks. 4,819,767, 4-11-89, Cl. 188-2.00D.

Laird, William B. Rocking furniture with removably secured and adjustable cushions. 4,844,541, 7-4-89, Cl. 297-302.000.

Laisure, Thomas J. Educational board game for teaching mathematics and logic. 4,883,277, 11-28-89, Cl. 273-236.000.

Lait, Leonard G.: *See—*

Carter, David C. M.; Dunckley, Ian; and Lait, Leonard G., 4,795,020, Cl. 198-370.000.

Laitar, Robert A., to Borden, Inc. Phenolic resin adhesive pastes, assemblies prepared therefrom, and processes for preparing cast metal articles using these pastes. 4,862,948, 9-5-89, Cl. 164-526.000.

Laitar, Robert A.: *See—*

Iyer, Raja; Shah, Rasik C.; and Laitar, Robert A., 4,848,442, Cl. 164-526.000.

Laitram Corporation, The: *See—*

Lapeyre, George C.; and Ledet, Brent A., 4,862,794, Cl. 99-443.00C.

Lapeyre, James M., 4,807,342, Cl. 29-157.30D.

Lapeyre, James M., 4,815,271, Cl. 59-84.000.

Lapeyre, James M., 4,821,872, Cl. 198-853.000.

Lapeyre, James M., 4,832,183, Cl. 198-699.000.

Lapeyre, James M., 4,832,187, Cl. 198-851.000.

Lapeyre, James M.; and Greve, Christopher G., 4,845,841, Cl. 29-791.000.

Lapeyre, James M.; Farrell, John P.; Burch, Ronald H.; Sutton, Mark E.; and Scamardo, Joseph F., Jr., 4,847,954, Cl. 17-54.000.

Lapeyre, James M., 4,852,055, Cl. 364-512.000.

Lapeyre, James M., 4,852,719, Cl. 198-666.000.

Lapeyre, James M., 4,860,234, Cl. 364-709.160.

Lapeyre, James M., 4,871,505, Cl. 264-328.100.

Lapeyre, James M., 4,882,901, Cl. 59-84.000.

Lapeyre, James M., 4,886,158, Cl. 198-853.000.

Lajos, Jaroslav, to Honeywell Bull Inc. Apparatus and method for coordinating the front and back of a printer apparatus having two-sided printing capability. 4,881,132, 11-14-89, Cl. 358-296.000.

Lajtai, Bela: *See—*

Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.

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Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., 4,806,097, Cl. 432-60.000.

Slayton, Danny L.; Tompkins, E. Neal; Lak, Khosrow; and Palm, Charles S., 4,848,267, Cl. 118-653.000.

Lakatos, Andras I.: *See—*

Stephany, Joseph F.; Lakatos, Andras I.; Hull, Virgil J.; and Perregaux, Alain E., 4,830,468, Cl. 350-336.000.

Lakatos, Daniel, to Hydro International Limited. Vortex valves. 4,889,166, 12-26-89, Cl. 137-813.000.

Lakatos, Nicholas: *See—*

Gluzerman, Boris; Lakatos, Nicholas; and Hensler, Paul W., 4,887,894, Cl. 350-636.000.

Lakdawala, Vishnukumar K.: *See—*

Schoenbach, Karl H.; Germer, Rudolf K. F.; Lakdawala, Vishnukumar K.; and Albin, Sacharia, 4,825,061, Cl. 250-211.00R.

Schoenbach, Karl H.; Lakdawala, Vishnukumar K.; Germer, Rudolf K. F.; and Schmitt, Klemens B., 4,831,248, Cl. 250-211.00R.

Lake Center Industries, a division of Guy F. Atkinson Company: *See—*

Rendahl, Roy; and Steele, Edward L., 4,884,792, Cl. 269-236.000.

Lake, Connie, to S. Eisenberg & Co., Division of Creative Industries, Inc. 18 Cell egg carton with angled latch flap. 4,872,608, 10-10-89, Cl. 229-2.5EC.

Lake, David A.: *See—*

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Lake, David C.: *See—*

Lake, Joseph A., 4,834,883, Cl. 210-332.000.

Lake, David E., Jr., to Grass Valley Group, Inc., The. Method and apparatus for adding texturing highlights to a video signal. 4,809,070, 2-28-89, Cl. 358-166.000.

Lake, David E., Jr., to Grass Valley Group, Inc., The. Method and apparatus for anti-aliasing an image boundary during video special effects. 4,831,447, 5-16-89, Cl. 358-183.000.

Lake, David E., Jr.: *See—*

Jackson, Richard A.; Lake, David E., Jr.; Blecksmith, James E.; Barnett, Ronnie D.; and Abt, John, 4,821,269, Cl. 371-16.000.

Witek, Francis A.; and Lake, David E., Jr., 4,797,836, Cl. 364-518.000.

Lake, Dorothy H. Back-closure robe. 4,864,657, 9-12-89, Cl. 2-114.000.

Lake Erie Welding & Fabricating, Inc.: *See—*

Guerra, Gerald T., 4,819,583, Cl. 119-29.000.

Lake, Frank B.: *See—*

Marshall, Claire B.; Lake, Frank B.; and Bushey, Roger A., 4,800,131, Cl. 428-558.000.

Lake, Joseph A., to Lake, David C. Filter cleaning apparatus. 4,834,883, 5-30-89, Cl. 210-332.000.

Lake, Larry W.: *See—*

Chandler, Mark A.; Goggin, David J.; Horne, Patrick J.; Kocurek, Gary G.; and Lake, Larry W., 4,864,845, Cl. 73-38.000.

Lake, Ralph, to Unisys Corporation. Method of mounting a printed circuit board. 4,799,314, 1-24-89, Cl. 29-846.000.

Lake, Ralph J., Jr.; Wiley, Franklyn L.; Coby, A. Daniel; and Pluth, John, Jr., to CALCOMP Inc. Plotter paper sizing system. 4,800,402, 1-24-89, Cl. 346-139.00R.

Lake, Ralph J., Jr.; and Liu, Dean-Yuan, to Sanders Associates, Inc. Cable retention system. 4,843,707, 7-4-89, Cl. 29-432.000.

Lake, Ralph J., Jr.; Wiley, Franklyn L.; Coby, A. Daniel; and Pluth, John, Jr., to Sanders Associates, Inc. Plotter platen mapping system. 4,872,023, 10-3-89, Cl. 346-1.100.

Lake, Ralph J., Jr., to Unisys Corporation. Mounting arrangement for display terminal. 4,880,191, 11-14-89, Cl. 248-371.000.

Lake Region Manufacturing Company, Inc.: *See—*

Hargreaves, Thomas E.; and Hanson, Donald W., 4,799,496, Cl. 128-772.000.

Lakeside Equipment: *See—*

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Horton, Robert L.; and Lakey, George V., 4,880,607, Cl. 423-20.000.

Lakey, Larry D. Hedge hose bibb extension apparatus. 4,800,916, 1-31-89, Cl. 137-343.000.

Lakey, Leroy E.; Peter, David A.; Chance, David A.; and Anderson, Stephen W., to General Motors Corporation. Automotive electrical system having a starter/generator induction machine. 4,883,973, 11-28-89, Cl. 290-31.000.

Lakey, Robert W., Sr. Method of inducing feeding behavior in fish. 4,819,581, 4-11-89, Cl. 119-3.000.

Lakhan, Haresh C.; Switala, Lawrence W.; and Ashton, Kim J., to Ecolab Inc. Dishwashing apparatus including a flip-top solid detergent dispenser. 4,836,229, 6-6-89, Cl. 134-93.000.

Lakhani, Kishor M.: *See—*

Fulton, Alfred L.; Lakhani, Kishor M.; Sampson, Scott D.; and Lowman, Kent, 4,851,864, Cl. 346-159.000.

Lakic, Nikola. Inner shoe with heat engine for boot or shoe. 4,823,442, 4-25-89, Cl. 36-2.600.

Lakic, Nikola. Inflatable boot liner with electrical generator and heater. 4,845,338, 7-4-89, Cl. 219-211.000.

Lakin, Bryan L., to Fasco Industries, Inc. Self-aligning bearing and oil cap mount for an electric motor. 4,800,309, 1-24-89, Cl. 310-90.000.

Lakin, Bryan L.; and McDaniel, William P. W., to Fasco Industries, Inc. Heat sink and mounting arrangement therefor. 4,840,222, 6-20-89, Cl. 165-47.000.

Lakin, David F.: *See—*

Parker, Dennis W.; and Lakin, David F., 4,796,655, Cl. 137-83.000.

Lakshmanan, Pallavoor R.; and Carrier, Paula J., to Baychem International, Inc. Compatible polymer blends useful as melt adhesives (III). 4,826,909, 5-2-89, Cl. 524-478.000.

Lakshmanan, Pallavoor R.; and Carrier, Paula J., to Baychem International, Inc. Compatible polymer blends useful as melt adhesives (II). 4,833,192, 5-23-89, Cl. 524-476.000.

Lakshmanan, Pallavoor R.; and Nguyen, Son T., to Baychem International, Inc. Melt adhesive compositions. 4,857,594, 8-15-89, Cl. 525-98.000.

Lakshmanan, Vaikuntam I.; Melnbardis, Dzinsars; and Geisler, Robert A., to Carbovan Inc. Process for treatment of flyash. 4,798,7[illegible], 1-17-89, Cl. 423-63.000.

Lakso, Matthew L., to Engineered Security Products Corporation. Multiple interlocking system for file cabinets, e.g. 4,854,65[illegible], 8-8-89, Cl. 312-222.000.

Lala, Anthony S. Pressure-assisted blow gun. 4,854,294, 8-8-89, Cl. 124-62.000.

Lalama, Salvatore J.: *See—*

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Lalancette, Jean-Marc, to Inotel Inc. Aluminum phosphate bonded micas and composite thereof. 4,828,926, 5-9-89, Cl. 428-457.000.

Lalancette, Jean-Marc; Menard, Hugues; and Potvin, Estelle, to Universite De Sherbrooke. Phosphate bonded composite electrodes. 4,886,591, 12-12-89, Cl. 204-291.000.

Lalanne, Alain: *See—*

Rochet, Andre; Dubois, Guy; Faure, Louis; and Lalanne, Alain, 4,805,759, Cl. 198-346.100.

Laletin, William H., to Howe Technologies Corporation. Relative time delay correction system utilizing window of zero correction. 4,890,065, 12-26-89, Cl. 328-155.000.

Lalezari, Farzin, to Ball Corporation. Conformal antenna and method. 4,816,836, 3-28-89, Cl. 343-700.0MS.

Lalezari, Farzin; Gilbert, Charles G.; and Rogers, John M., to Ball Corporation. Broadband notch antenna. 4,843,403, 6-27-89, Cl. 343-767.000.

Lalezari, Farzin; and Taylor, Taliaferro H., Jr., to Ball Corporation. Method and apparatus for reducing unwanted r.f. signal antenna reception/transmission. 4,870,424, 9-26-89, Cl. 342-379.000.

Lalezari, Farzin: *See—*

Munson, Michael G.; Munson, Robert E.; Westfeldt, Patrick H., Jr.; and Lalezari, Farzin, 4,864,320, Cl. 343-833.000.

Laliberte, Jean: *See—*

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Lalikos, James M.; and Adamczyk, Rudolph A., to Titeflex Corporation. Quick connect end fitting. 4,813,716, 3-21-89, Cl. 285-174.000.

Lalikos, James M.; and Waite, Harold K., to Titeflex Corporation. Tuned self-damping convoluted conduit. 4,854,416, 8-8-89, Cl. 181-207.000.

Lalikos, James M.; and Waite, Harold K., to Titeflex Corporation. Tuned self-damping convoluted conduit. 4,867,269, 9-19-89, Cl. 181-207.000.

Lallemand, Claude: *See—*

Herbin, Jean-Paul; Lallemand, Claude; and Gess, Georges, 4,852,182, Cl. 382-1.000.

Lallement, Bernard L., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Heat shield for a casting furnace. 4,819,709, 4-11-89, Cl. 164-154.000.

Lallement, Jacques: *See—*

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Lallier, Christian: *See—*

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Lally, Richard W., to PCB Piezotronics, Inc. Instrumented test hammer. 4,799,375, 1-24-89, Cl. 73-12.000.

Lally, William J.; and Morton, Edward W., to North American Philips Corporation. Modified impedance rapid start fluorescent lamp system. 4,857,808, 8-15-89, Cl. 315-100.000.

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Schearer, Laird; Leduc, Michele; Laloe, Franck; and Hamel, Joseph M., 4,806,864, Cl. 324-301.000.

Lalonde, Eugene L.; Bruynesteyn, Michael R.; and Unger, Thomas M., to Aqua Trend Systems Inc. Apparatus for filtering, retaining and disposal of waste water accumulated on a boat. 4,886,607, 12-12-89, Cl. 210-739.000.

Lalumiere, Robert J.; and Boucher, Jay M., to Dynamat, Inc. Free standing photoresist mask and the method of using the same for abrasive engraving. 4,858,394, 8-22-89, Cl. 51-312.000.

Lalwani, Steven S.; Pursell, William G., Sr.; and Horner, Charles J., Jr., to GAF Corporation. Process for preparing a rubber scrap composition. 4,851,500, 7-25-89, Cl. 528-487.000.

Lam, Bela; Kalman, Laszlo; Nagy, Gabor; and Marso, Sandor, to Altalanos Szolgaltato es Epitoipari Kisszovetkezet. Apparatus for the removal of ferromagnetic materials from liquids, organic or inorganic compounds respectively mixtures—in particular fuels—, for treating with magnetic field and reduction of surfacial stresses. 4,865,730, 9-12-89, Cl. 210-222.000.

Lam, Chiu K., to Famous Instrument Limited. Optical detector for an auto-focus camera. 4,827,300, 5-2-89, Cl. 354-402.000.

Lam, Chun B. M., to Ki Yip Chemical Works Limited. Decorative candle. 4,826,428, 5-2-89, Cl. 431-291.000.

Lam, David C. S. Container. 4,872,574, 10-10-89, Cl. 220-1.500.

Lam: Dominic M.: *See—*

Chiou, George C. Y.; and Lam: Dominic M., 4,865,599, Cl. 424-427.000.

Lam, Dominic M-K.; and Kelleher, Peter J., to Baylor College of Medicine. Methods and compositions for preventing secondary cataracts. 4,871,350, 10-3-89, Cl. 604-49.000.

Lam, Dominic M. K.: *See—*

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Lam, Hung Q., to Minnesota Mining and Manufacturing Company. Magnetic recording diskette with offset wiping fabric. 4,839,765, 6-13-89, Cl. 360-133.000.

Lam, Kenneth N.: *See—*

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Lam, Peter A.: *See—*

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Lam Research Corporation: *See—*

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Lam, Robert: *See—*

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Lam, Sheir C. Electronic photoflash control circuit. 4,798,996, 1-17-89, Cl. 315-241.00P.

Lam, Veronica Y.; and Lam, Wing-Chee, to Johns Hopkins University. Bi-directional x-ray imager. 4,890,313, 12-26-89, Cl. 378-189.000.

Lam, William Y., to Ethyl Petroleum Additives, Inc. Lubricant composition. 4,836,942, 6-6-89, Cl. 252-47.000.

Lam, William Y., to Ethyl Petroleum Additives, Inc. Norbornyl dithiocarbamates. 4,876,375, 10-24-89, Cl. 558-235.000.

Lam, William Y., to Ethyl Petroleum Additives, Inc. Dithiocarbanate lubricant compositions. 4,885,365, 12-5-89, Cl. 544-161.000.

Lam, Wing-Chee: *See—*

Lam, Veronica Y.; and Lam, Wing-Chee, 4,890,313, Cl. 378-189.000.

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Lam, Yiu-kuen T.; Chang, Raymond S.; Hensens, Otto D.; Schwartz, Cheryl D.; and Zink, Deborah L., to Merck & Co., Inc. Therapeutic virginiamycin M_1 analogs. 4,859,690, 8-22-89, Cl. 514-375.000.

Lama, William L.; Loce, Robert P.; and Durbin, John A., to Xerox Corporation. Image bar printer compensated for vibration-generated scan line errors. 4,801,978, 1-31-89, Cl. 355-69.000.

Lama, William L.: *See—*

Loce, Robert P.; Feth, Susan E.; Lama, William L.; and Lehman, Richard F., 4,868,587, Cl. 346-157.000.

Loce, Robert P.; and Lama, William L., 4,884,083, Cl. 346-108.000.

Lamaignere, Eric F. H.: *See—*

Bargeton, Gilbert L.; and Lamaignere, Eric F. H., 4,815,101, Cl. 375-3.100.

Lamaire, Jacques: *See—*

Arnaud, Rene; Gardette, Jean-Luc; and Lamaire, Jacques, 4,874,952, Cl. 250-455.100.

Lamance, David S.: *See—*

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Lamando, Chester J., Jr.: *See—*

Vdoviak, John W.; and Lamando, Chester J., Jr., 4,833,881, Cl. 60-261.000.

Lamanec, Theresa R.; and Lyle, Terry A., to Merck & Co., Inc. Polyhydro derivatives of 10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5,10-imine. 4,870,080, 9-26-89, Cl. 514-289.000.

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Colombo, Paolo; La Manna, Aldo; and Conte, Ubaldo, 4,839,177, Cl. 424-482.000.

Conte, Ubaldo; La Manna, Aldo; and Colombo, Paolo, 4,865,849, Cl. 424-466.000.

LaManna, Richard J.; Hinton, James L.; Cucksey, Edward L.; and Kull, Leo, to National Business Systems, Inc. Credit card embossing and recording system. 4,866,545, 9-12-89, Cl. 360-53.000.

Lamanna, William M.; McCormick, Fred B.; and Wright, Robin E., to Minnesota Mining and Manufacturing Company. Colloidal metals in monomers or polymers. 4,871,790, 10-3-89, Cl. 523-333.000.

La Mar, Charles R., to United States of America, Air Force. High energy laser target plate. 4,797,555, 1-10-89, Cl. 250-336.100.

Lamar, John W. Sprinkler riser extractor tool. 4,866,801, 9-19-89, Cl. 7-165.000.

Lamar, Jon. Sheet film holder. 4,833,493, 5-23-89, Cl. 354-107.000.

LaMarche, Jean-Luc, to I. F. M. Electronic GmbH. Contact-free operating electronic switchgear. 4,879,474, 11-7-89, Cl. 307-116.000.

Lamarque, Etienne, to Thomson-Brandt Armements. Device to brake the unfolding of a fin and guided missile fitted with a device of this type. 4,852,828, 8-1-89, Cl. 244-3.290.

Lamarre, Bruce L., to North East Environmental Products, Inc. Radon removal method. 4,869,832, 9-26-89, Cl. 210-747.000.

La Marre, Thomas M.; and Martin, Cynthia H., to Nalco Chemical Company. Synergistic biocide of 1,5-pentanedial and a mixture of N-alkyl dimethyl benzyl ammonium chloride and N-dialkyl methyl benzyl ammonium chloride. 4,800,235, 1-24-89, Cl. 514-643.000.

Lamartino, Salvatore P., to Viskase Corporation. Apparatus for monitoring the width of a stuffed food casing. 4,837,897, 6-13-89, Cl. 17-35.000.

Lamb, Bruce J.: *See—*

Stepaniuk, Nickolas J.; and Lamb, Bruce J., 4,822,927, Cl. 570-141.000.

Lamb, Chris; and Wade, Chris, to Plessey Overseas Limited. Sensing systems. 4,825,424, 4-25-89, Cl. 367-141.000.

Lamb, David K.: *See—*

Winkel, Gordon R.; and Lamb, David K., 4,863,009, Cl. 198-505.000.

Lamb, Diane J.: *See—*

Jobe, Patrick G.; Lamb, Diane J.; and Martino, Gary T., 4,801,699, Cl. 536-59.000.

Lamb, Donald J. Military boardgame. 4,801,148, 1-31-89, Cl. 273-255.000.

Lamb, Glenn D.: *See—*

Algrim, Donald J.; Uffner, William E.; Lamb, Glenn D.; and Jones, Stephen J., 4,824,880, Cl. 524-62.000.

Lamb, Harold A., III: *See—*

Black, John J., Jr.; and Lamb, Harold A., III, 4,865,738, Cl. 210-484.000.

Lamb, Helen M.: *See—*

Kelly, Leonard, 4,848,590, Cl. 209-564.000.

Lamb, James E.: *See—*

Brewer, Terry L.; Hawley, Dan W.; Lamb, James E.; Latham, William J.; and Stichnote, Lynn K., 4,876,165, Cl. 430-7.000.

Lamb, James L.: *See—*

Williams, Roger M.; Wheeler, Bob L.; Jefferies-Nakamura, Barbara; Lamb, James L.; Bankston, Clyde P.; and Cole, Terry, 4,835,071, Cl. 429-11.000.

Lamb, James S., to Tektronix, Inc. Continuously variable clock delay circuit. 4,808,936, 2-28-89, Cl. 328-155.000.

Lamb, James S., to Tektronix, Inc. Common base configuration for an f_T doubler amplifier. 4,890,067, 12-26-89, Cl. 330-149.000.

Lamb, Joe H. Mechanism for extending and retracting swimming pool covers. 4,858,253, 8-22-89, Cl. 4-502.000.

Lamb, Joy A.: *See—*

Jenner, Michael D.; and Lamb, Joy A., 4,815,199, Cl. 29-840.000.

Lamb, Kevin S.: *See—*

Kirtley, James M.; and Lamb, Kevin S., 4,849,735, Cl. 340-539.000.

Lamb, Mark E.: *See—*

Cozine, Mark L.; Ferguson, David G.; Hansen, Loren F.; and Lamb, Mark E., 4,867,244, Cl. 172-22.000.

- Lamb, Miles P., to Westinghouse Electric Corp. Elevator system. 4,842,101, 6-27-89, Cl. 187-22.000.
- Lamb, Owen L., to Slide Management Systems, Inc. Method and apparatus for unloading slide projector trays. 4,875,588, 10-24-89, Cl. 209-3.300.
- Lamb, Peta-Maree: *See—*
  - Smith, Richard; Lamb, Peta-Maree; Curtiss, Linda K.; and Witztum, Joseph, 4,876,188, Cl. 435-7.000.
- Lamb, Reginald T.: *See—*
  - Rolloff, Paul D.; and Lamb, Reginald T., 4,876,758, Cl. 12-142.00N.
- Lamb, Robert E. Flexible member for attaching articles to a dishwasher rack. 4,869,375, 9-26-89, Cl. 211-41.000.
- Lamb Robo: *See—*
  - Obrecht, Robert E.; and Waltonen, Edward J., 4,803,767, Cl. 29-243.500.
- Lamb, Steve; and Lamoreux, Larry W. Dynamic sagittal knee test apparatus. 4,804,000, 2-14-89, Cl. 128-774.000.
- Lamb, Steve: *See—*
  - Moore, Robert R.; Lamb, Steve; and Wolf, Eugene M., 4,872,451, Cl. 128-92.0YF.
- Lamb Technicon Corp.: *See—*
  - Brems, John H.; and Mason, Arthur C., 4,865,180, Cl. 198-468.600.
- Lamb, Vernon L., to Fortifiber Corporation. Roll header platen. 4,820,374, 4-11-89, Cl. 156-538.000.
- Lamb, Vernon L., Sr.; and Boden, Roger D., Sr., to Fortifiber Corporation. Process for making pressboard from poly-coated paper. 4,810,445, 3-7-89, Cl. 264-112.000.
- Lamb-Weston, Inc.: *See—*
  - Shroyer, David, 4,843,795, Cl. 53-236.000.
- Lamb, William C.: *See—*
  - Blanchard, Hubert J.; and Fruge, Cornelius J., 4,866,321, Cl. 310-112.000.
- Lambard, Jacques, to Commissariat A L'Energie Atomique. Process for the preparation of uranium tetrafluoride by the reduction of uranium hexafluoride and sulphur fluorides produced by this process. 4,859,441, 8-22-89, Cl. 423-259.000.
- Lambati, Bertrand: *See—*
  - Guezou, Jean-Pierre R.; Lambati, Bertrand; Balquet, Robert; and Machabert, Michel, 4,862,820, Cl. 114-278.000.
- Lambda Physik: *See—*
  - Klopotek, Peter, 4,797,888, Cl. 372-38.000.
- Lambda Physik Forschungs- und Entwicklungsgesellschaft mbH: *See—*
  - Baumler, Jurgen; and Zeh, Manfred, 4,860,300, Cl. 372-57.000.
- Lambe, John: *See—*
  - Thakoor, Anilkumar P.; Lambe, John; and Moopen, Alexander, 4,876,668, Cl. 365-163.000.
- Lambe, John J.: *See—*
  - Moopenn, Alexander W.; Thakoor, Anilkumar P.; and Lambe, John J., 4,807,168, Cl. 364-602.000.
  - Moopenn, Alexander W.; Thakoor, Anilkumar P.; Daud, Taher; and Lambe, John J., 4,839,859, Cl. 365-100.000.
- Lambelin, Georges: *See—*
  - Bovy, Philippe R.; Gillet, Claude; Lenaers, Albert; Niebes, Paul; Roba, Joseph; and Lambelin, Georges, 4,853,401, Cl. 514-389.000.
- Lambell, Keith T.: *See—*
  - Groves, Ronald J.; and Lambell, Keith T., 4,850,016, Cl. 379-433.000.
- Lamberg, John R.: *See—*
  - Gawronski, Michael J.; Palmquist, Steven L.; Lamberg, John R.; and Hart, Rebecca A., 4,837,529, Cl. 333-33.000.
- Lambers, Howard J.; Herder, Michael D.; and Heintz, Richard P., to Pneumo Abex Corporation. Fluid control valve with variable pressure gain. 4,843,949, 7-4-89, Cl. 91-437.000.
- Lambert, Bertrand; Toudic, Yves; and Coquille, Rene, to Etat Francais. Process for the preparation of mono-crystalline 3-5 semi-insulating materials by doping and use of the semi-insulating materials thus obtained. 4,853,077, 8-1-89, Cl. 156-605.000.
- Lambert, Blair W., to Space Age Enterprises, Inc. Insole. 4,885,849, 12-12-89, Cl. 36-3.00B.
- Lambert, Claude; and Pepin, Regis, to Rhone-Poulenc Agrochimie. Fungicidal compositions based on nicotinic acid derivatives, new nicotinic acid derivatives and preparation thereof. 4,851,396, 7-25-89, Cl. 514-63.000.
- Lambert Corporation: *See—*
  - Steed, Jeffrey A.; Ruhl, Walter F.; and Weaver, James M., 4,796,322, Cl. 15-79.00A.
- Lambert, Daniel: *See—*
  - Merenda, Pierre; Chantraine, Philippe; and Lambert, Daniel, 4,826,786, Cl. 437-195.000.
- Lambert, David V.: *See—*
  - Goldenfield, Mark P.; Lambert, David V.; and Ahmed, Hassan J., 4,822,987, Cl. 235-462.000.
- Lambert, Derek; and Crowe, David, to Fry's Metals Limited. Flow valve. 4,865,071, 9-12-89, Cl. 137-312.000.
- Lambert, Eric M.; Beck, William C.; and Wilson, James R., to Hazeltine Corporation. Apparatus for deploying and supporting a large aperture volumetric array in a medium. 4,850,915, 7-25-89, Cl. 441-21.000.
- Lambert, Gabriele: *See—*
  - Schneller, Arnold; and Lambert, Gabriele, 4,795,829, Cl. 568-750.000.
- Lambert, Gene F. Rotary hammer mill for breaking stone and similar material. 4,819,886, 4-11-89, Cl. 241-186.100.
- Lambert, Jack L.; Chiang, Yuan C.; and Paukstelis, Joseph V., to Kansas State University Research Foundation. Colorimetric detector for ozone and method of preparation. 4,859,607, 8-22-89, Cl. 426-135.000.
- Lambert, James: *See—*
  - Casasent, David; and Lambert, James, 4,833,637, Cl. 364-822.000.
- Lambert, Joel, to Solyfob Fonctions. Conference easel. 4,877,213, 10-31-89, Cl. 248-451.000.
- Lambert, John E., to Gas Research Institute. Internal combustion engine control system. 4,886,034, 12-12-89, Cl. 123-587.000.
- Lambert, John M.; Blattler, Walter A.; and Senter, Peter D., to Dana-Farber Cancer Institute, Inc. Gelonin immunotoxin. 4,888,415, 12-19-89, Cl. 530-390.000.
- Lambert, Joseph M.: *See—*
  - Austill, Robert J.; and Lambert, Joseph M., 4,880,190, Cl. 246-107.000.
- Lambert, Jules A.: *See—*
  - Roark, David N.; and Lambert, Jules A., 4,859,530, Cl. 428-294.000.
- Lambert, Kenneth, to ElectroScan Corporation. Disposable spray aperture. 4,857,743, 8-15-89, Cl. 250-505.100.
- Lambert, Maureen K.; and Chrisman, Roger P., to Network Equipment Technologies, Inc. Mixed mode compression for data transmission. 4,890,282, 12-26-89, Cl. 370-79.000.
- Lambert, Patricia. Method and system for documenting and controlling the taking of medication. 4,815,767, 3-28-89, Cl. 283-67.000.
- Lambert, Pierre: *See—*
  - Massaux, Jean; Lambert, Pierre; and Noiret, Jacques, 4,851,940, Cl. 8-111.000.
- Lambert, Richard C., to Ballard Medical Products. Neonatal closed system for involuntary aspiration and ventilation and method. 4,825,859, 5-2-89, Cl. 128-202.160.
- Lambert, Richard C., to Ballard Medical Products. Medical ventilating and aspirating apparatus and methods. 4,834,726, 5-30-89, Cl. 604-281.000.
- Lambert, Richard C., to Ballard Medical Products. Neonatal closed system for involuntary aspiration and ventilation, and method. 4,838,255, 6-13-89, Cl. 128-202.160.
- Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., to Hoffmann-La Roche Inc. Pyrimidine derivatives. 4,851,519, 7-25-89, Cl. 536-23.000.
- Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., to Hoffmann-La Roche Inc. Pyrimidine derivatives. 4,882,316, 11-21-89, Cl. 514-49.000.
- Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., to Hoffmann-La Roche Inc. Pyrimidine derivatives, pharmaceutical compositions and method of using same. 4,886,785, 12-12-89, Cl. 514-50.000.
- Lambert, Robert W.: *See—*
  - Attwood, Michael R.; Hassall, Cedric H.; Lambert, Robert W.; Lawton, Geoffrey; and Redshaw, Sally, 4,808,713, Cl. 540-487.000.
- Lambert, Roger T. Board to board flexible pin. 4,797,113, 1-10-89, Cl. 439-74.000.
- Lambert, Susan L.: *See—*
  - Sachtler, J. W. Adriaan; Lawson, R. Joe; and Lambert, Susan L., 4,886,927, Cl. 585-48.100.
- Lambert, Theodore E., Sr. Exercise apparatus for the handicapped. 4,869,494, 9-26-89, Cl. 272-73.000.
- Lambert, W. Clark. Multi-dimensional games and playing boards. 4,884,819, 12-5-89, Cl. 273-261.000.
- Lambert, William E., to Union Camp Corporation. Disposable contaminated material container. 4,863,052, 9-5-89, Cl. 220-1.00T.
- Lambert, William R.; Lu, Neng-Hsing; and Rust, Ray D., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fabrication of CPI layers. 4,820,376, 4-11-89, Cl. 156-643.000.
- Lambertsen, Christian J.; and Santangelo, Joseph G., to Air Products and Chemicals, Inc. Breathable fire extinguishing gas mixture. 4,807,706, 2-28-89, Cl. 169-45.000.
- Lamberty, Bernard J.; and Oh, Luis L., to Boeing Company, The. Dual band antenna element. 4,870,426, 9-26-89, Cl. 343-727.000.
- Lamberty, Bernard J.; and Peters, Steven J., to Boeing Company, The. Circularly polarized evanescent mode radiator. 4,885,556, 12-5-89, Cl. 333-21.00A.
- Lamberty, Bernard J.: *See—*
  - Andrews, George S.; Lamberty, Bernard J.; and Tracy, Daniel J., 4,862,185, Cl. 343-761.000.
- Lambertz, Johannes; Adlhoch, Wolfgang H.; Mittelstadt, Alfred G.; and Hermann, Wolfgang, to Rheinische Braunkohlenwerke AG. Process for the production of gas containing hydrogen and carbon monoxide from solid fuel. 4,852,994, 8-1-89, Cl. 48-197.00R.
- Lambeth, David N., to Eastman Kodak Company. Large area, low capacitance photodiode and range finder device using same. 4,826,312, 5-2-89, Cl. 356-1.000.
- Lambeth, Peter, to Hyrdro-Quebec. Insulator housing made from polymeric materials and having spirally arranged inner sheds and water sheds. 4,833,278, 5-23-89, Cl. 174-139.000.
- Lamblin, Jean-Marc: *See—*
  - Guth, Jean-Louis; Faust, Anne-Catherine; Raatz, Francis; and Lamblin, Jean-Marc, 4,853,203, Cl. 423-328.000.
- Lambooy, Elbert, to Stichting Instituut Voor Veeteeltkundig Onderzoek "Schoonoord". Process for stunning livestock. 4,875,251, 10-24-89, Cl. 17-1.00E.
- Lamborot, Pierre: *See—*
  - Caloyannis, Theodore; and Lamborot, Pierre, 4,843,231, Cl. 250-223.00B.
- Lambour, Jean-Michel: *See—*
  - Guyomard, Daniel; Torrez, Gerald; Lambour, Jean-Michel; and Arriveau, Claude, 4,876,111, Cl. 427-31.000.

- Lamboy, Peter; Steigerwald, Franz; Zulauf, Karlheinz; and Ginnow-Markert, Harmut, to Wella Aktiengesellschaft. Decanting device for liquids, e.g. permanent wave agents. 4,877,065, 10-31-89, Cl. 141-18.000.
- Lambrecht, Richard M.: *See—*
  - Milius, Richard A.; Lambrecht, Richard M.; and Bloomer, William D., 4,826,672, Cl. 424-1.100.
- Lambrechts, Frank M. P. Apparatus for processing textiles. 4,881,385, 11-21-89, Cl. 68-29.000.
- Lambright, Joseph W.: *See—*
  - Stewart, Gary D.; Johnson, Todd M.; Orman, Patricia B.; Lambright, Joseph W.; Orman, Gary M.; and Schwartz, Rodney E., 4,869,497, Cl. 272-129.000.
- Lambrix, Thomas R.: *See—*
  - Scales, Donald F.; and Lambrix, Thomas R., 4,869,018, Cl. 47-33.000.
- Lambropoulos, George; Pitera, Kenneth R.; and Hair, Robert A., to Wickes Manufacturing Company. Remote control system for door locks. 4,881,148, 11-14-89, Cl. 361-172.000.
- Lamby, Edward J.: *See—*
  - Foust, Donald F.; Dumas, William V.; Lamby, Edward J.; and Karas, Bradley R., 4,842,946, Cl. 428-458.000.
  - Foust, Donald F.; Lamby, Edward J.; Karas, Bradley R.; Dumas, William V.; and Jerabek, Elihu C., 4,873,136, Cl. 428-209.000.
- La Mendola, Christopher: *See—*
  - Morgante, Michael R.; Guzewich, Gregory J.; Kowal, Henry J.; La Mendola, Christopher; and Stanfield, Randall E., 4,829,917, Cl. 112-80.410.
- Lamendola, Joseph F.; Vashi, Dhiru; and Tyson, Robert G., to Schering Corporation. Synthesis of 3-amino-2-methylbenzotrifluoride. 4,831,193, 5-16-89, Cl. 564-417.000.
- Lamer, Gerald P., to Marine Travelift, Inc. Mobile boat hoist. 4,861,218, 8-29-89, Cl. 414-461.000.
- Lamer, Gerald P.: *See—*
  - Feder, Thomas; Lamer, Gerald P.; and Lenius, Norbert W., 4,880,124, Cl. 212-218.000.
- Lamere, Virginia C.: *See—*
  - Adiletta, Matthew J.; and Lamere, Virginia C., 4,805,131, Cl. 364-783.000.
- Lamerie, N.V.: *See—*
  - Perovetz, Lawrence M.; Pickthall, Jack, deceased; and Pickthall, Terence, executor, 4,798,626, Cl. 106-123.000.
  - Perovetz, Lawrence M.; Pickthall, Jack, deceased; and Pickthall, Terence, executor, 4,832,743, Cl. 106-1.230.
- Lamers, Herman J., to Shell Internationale Research Maatschappij B.V. Apparatus for heating steam formed from cooling water. 4,796,570, 1-10-89, Cl. 122-7.00R.
- Lamiaux, Sylves, to Societe d'Applications Generales d'Electricite et de Mecanique Sagem. Process for interconnecting microprocessors. 4,827,398, 5-2-89, Cl. 364-200.000.
- Laminar Fluid Controls, Inc.: *See—*
  - Feild, Eugene P., 4,889,159, Cl. 137-508.000.
- Lamle, Stewart M. Board game with changeable playing pieces. 4,805,915, 2-21-89, Cl. 273-261.000.
- Lamm, Albert J.: *See—*
  - Chien, Kuei-Ru; Hui, Kin-Kwok; Stovall, H. Dean; Wang, John H. S.; and Lamm, Albert J., 4,885,752, Cl. 372-33.000.
- Lamm, Gunther: *See—*
  - Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, 4,855,412, Cl. 534-766.000.
  - Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, 4,855,413, Cl. 534-766.000.
- Lamm, Hermut: *See—*
  - Hipfl, Wolfgang E.; Lamm, Hermut; and Poschl, Gunter, 4,800,730, Cl. 62-228.300.
- Lammela, Martti, to Hydrovoima Oy. Method and equipment for the spreading of dough string. 4,828,861, 5-9-89, Cl. 426-496.000.
- Lammens, Robert: *See—*
  - Grohe, Klaus; and Lammens, Robert, 4,808,583, Cl. 514-254.000.
  - Grohe, Klaus; and Lammens, Robert, 4,808,585, Cl. 514-230.200.
- Lammermann, Helmut: *See—*
  - Feuerstein, Albert; Eberhardt, Helmut; Lammermann, Helmut; Bauer, Volker; and Lobig, Gerard, 4,815,415, Cl. 118-718.000.
- Lammermann, Helmuth: *See—*
  - Bauer, Volker; Feuerstein, Albert; Hartig, Klaus; Kienel, Gerhard; Lammermann, Helmuth; and Zirkel, Wolfgang, 4,828,872, Cl. 427-39.000.
- Lammers, James B., to Scott Fetzer Company; and Campbell, Hausfeld. Valve structure for a compressor. 4,801,250, 1-31-89, Cl. 417-265.000.
- Lammers, Jannes G.: *See—*
  - Kopp, Heinz-Peter J.; Lammers, Jannes G.; van der Wolk, Jacob A.; and De Groot, Willibrordus T., 4,857,237, Cl. 260-409.000.
- Lammers, Ludwig: *See—*
  - Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Gallmeister, Rolf-Dieter; Stratz, Thomas; and Lammers, Ludwig, 4,838,270, Cl. 128-371.000.
- Lammers, Marinus J.; Blasse, George; Terrell, David R.; and Alaerts, Leo B., to Agfa-Gevaert N.V. Process for the conversion of X-rays. 4,822,696, 4-18-89, Cl. 428-690.000.
- Lammers, Uve H. W.; and Marr, Richard A., to United States of America, Air Force. Rotating doppler frequency shifter. 4,830,479, 5-16-89, Cl. 350-486.000.
- Lammertink, Ferdinand, to Binary Arts Corporation. Puzzle or game having token filled track and turntable. 4,871,173, 10-3-89, Cl. 273-153.00S.
- Lamnabhi, Moustanir; and Salembier, Philippe, to U.S. Philips Corporation. Duobinary encoded signal decoder. 4,860,310, 8-22-89, Cl. 375-18.000.
- Lamnabhi, Moustanir: *See—*
  - Salembier, Philippe; and Lamnabhi, Moustanir, 4,879,729, Cl. 375-104.000.
- Lamo, Jeffrey J.: *See—*
  - Sahi, Carl R.; Phillips, Richard R.; Fudge, Chester; and Lamo, Jeffrey J., 4,828,547, Cl. 604-110.000.
- Lamond, Lee T.; and Gill, Peter L., to Checkpoint Systems, Inc. Deactivatable security tag. 4,835,524, 5-30-89, Cl. 340-572.000.
- Lamons, Scott P.: *See—*
  - Chan, Kenneth K.; Hartmann, Philip W.; Lamons, Scott P.; Lyons, Terry G.; and Milonas, Argyrios C., 4,823,338, Cl. 370-85.000.
- Lamont, Gregory J.: *See—*
  - Blair, William D., Jr.; Bentivenga, Salvatore; and Lamont, Gregory J., 4,862,122, Cl. 333-202.000.
- Lamont, Mark D., to Undersea Industries, Inc. Snorkel. 4,884,564, 12-5-89, Cl. 128-201.110.
- LaMont, Romanus M. Unitary collapsible coat hanger. 4,813,581, 3-21-89, Cl. 223-94.000.
- LaMontagne, Brad; Kotil, Elwood; and Collins, Bob, to Outboard Marine Corporation. Removable casting deck/storage locker for a bass boat. 4,827,864, 5-9-89, Cl. 114-343.000.
- LaMontagne, Troy J.: *See—*
  - Novis, Ari M.; Adams, Don L.; LaMontagne, Troy J.; and Sivahop, Albert, 4,885,514, Cl. 318-580.000.
- Lamore, Patrick H. Portable tacking system. 4,827,561, 5-9-89, Cl. 15-327.00R.
- Lamoreaux, Richard D.: *See—*
  - Fisher, Henry D.; McNeil, Kevin M.; Vercillo, Richard; and Lamoreaux, Richard D., 4,833,625, Cl. 364-518.000.
- Lamoreux, Larry W.: *See—*
  - Lamb, Steve; and Lamoreux, Larry W., 4,804,000, Cl. 128-774.000.
- Lamort, Jean-Pierre, to E & M Lamort. Draining valve for waste paper processing appliances. 4,838,301, 6-13-89, Cl. 137-240.000.
- Lamort, Jean-Pierre, to E & M Lamort, and Feldmuehle Aktiengesellschaft. Pressurized mixing injector. 4,842,777, 6-27-89, Cl. 261-79.200.
- Lamort, Pierre, to E et M Lamort. Method and device for preparation and primary separation of paper pulp. 4,818,339, 4-4-89, Cl. 162-4.000.
- Lamort, Pierre. Purifier screen of non-welded manufacture. 4,828,689, 5-9-89, Cl. 209-393.000.
- Lamort, Pierre, to E&M Lamort. Sieves for scrubbers and their method of manufacture. 4,846,971, 7-11-89, Cl. 210-232.000.
- Lamothe, Michele: *See—*
  - Job, Claude; Lamothe, Michele; and Jamet, Martine, 4,851,455, Cl. 522-139.000.
- Lamour, Robert L.: *See—*
  - Werner, Walter V.; and Lamour, Robert L., 4,852,959, Cl. 350-96.180.
- Lamoure, Richard: *See—*
  - Young, David; Lamoure, Richard; Bratt, William; Ruscello, Vincent; and Wilson, John E., 4,822,467, Cl. 204-212.000.
- Lampard, John F.: *See—*
  - Khan, Karrar A.; and Lampard, John F., 4,806,358, Cl. 424-466.000.
- Lampard, Lucille B. Convertible infant bed. 4,823,415, 4-25-89, Cl. 5-93.00R.
- Lampart, Dieter: *See—*
  - Kormendi, Kalman; Lampart, Dieter; Mannherz, Fritz; and Scheurenbrand, Dieter, 4,852,758, Cl. 220-20.500.
- Lamparter, Ronald C.; and Brown, Robert J., to Transpec Inc. Vehicle safety system. 4,877,266, 10-31-89, Cl. 280-762.000.
- Lampe, Donald R.; Mentzer, Mark A.; and Naviasky, Eric H., to Westinghouse Electric Corp. Cross-tie memory system. 4,841,480, 6-20-89, Cl. 365-87.000.
- Lampe, Warren R.; Moore, Annette A.; and Hartley, Kathleen R., to General Electric Company. Marine foulant release coating. 4,861,670, 8-29-89, Cl. 428-447.000.
- Lampert, Norman R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber biconic connector. 4,852,963, 8-1-89, Cl. 350-96.210.
- Lampert, Sam: *See—*
  - Reintjes, Harold; and Lampert, Sam, 4,883,390, Cl. 406-24.000.
- Lampes, Elias H.: *See—*
  - Vinson, John W.; Howell, Stephen J.; and Lampes, Elias H., 4,854,127, Cl. 60-742.000.
- Lamphere, Jack C.: *See—*
  - Stanley, Frederick W., Jr.; Lamphere, Jack C.; and Chonde, Yohannes, 4,833,198, Cl. 524-560.000.
- Lampi, Marvin R.: *See—*
  - Lampi, Wayne J.; and Lampi, Marvin R., 4,870,592, Cl. 364-468.000.
- Lampi, Wayne J.; and Lampi, Marvin R. Manufacturing system with centrally disposed dynamic buffer region. 4,870,592, 9-26-89, Cl. 364-468.000.
- Lampin, Corinne, heir: *See—*
  - Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime ; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.
- Lampin, Dominique: *See—*
  - Bourdon, Guy; Lampin, Dominique; and Leclerc, Daniel, 4,811,755, Cl. 137-486.000.
- Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime ; Szonyi,

- Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, to Institut National de Recherche Chimique Appliquee. Novel non ionic fluorinated compounds, their process of preparation and applications thereof as surfactants. 4,859,797, 8-22-89, Cl. 568-39.000.
- Lampin, Sophie, heir: *See*—
  - Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime ; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.
- Lampinen, Leo K. Tilting lauter tun. 4,837,156, 6-6-89, Cl. 435-302.000.
- Lamping, Frank G.: *See*—
  - Wood, Chester W.; and Lamping, Frank G., 4,804,206, Cl. 285-13.000.
- Lampl, Fritz: *See*—
  - Dehli, Frank; and Lampl, Fritz, 4,815,523, Cl. 165-5.000.
- Lampman, Richard L.: *See*—
  - Metcalf, Robert L.; and Lampman, Richard L., 4,880,724, Cl. 424-84.000.
- Lamport, Daphne L.; and Woodhead, Alfred W., to U.S. Philips Corporation. Flat cathode ray display tube with periodic beam refocusing means. 4,853,587, 8-1-89, Cl. 313-422.000.
- Lamport, Daphne L.: *See*—
  - Knapp, Alan G.; Lamport, Daphne L.; Washington, Derek; and Woodhead, Alfred W., 4,879,496, Cl. 315-366.000.
- Lamppa, Daryl H.: *See*—
  - Lamppa, Herbert R.; and Lamppa, Daryl H., 4,832,000, Cl. 126-77.000.
- Lamppa, Diana L.: *See*—
  - Bunker, Bruce C.; Lamppa, Diana L.; and Voigt, James A., 4,839,339, Cl. 505-1.000.
- Lamppa, Herbert R.; and Lamppa, Daryl H. Wood-burning stove. 4,832,000, 5-23-89, Cl. 126-77.000.
- Lamprecht, Herbert: *See*—
  - Hahn, Guenther; Krueger, Hans; Lamprecht, Herbert; and Seiffarth, Werner, 4,841,539, Cl. 372-63.000.
- Lamprecht, Herbert, deceased; by Lamprecht, Thekla, heir; by Lamprecht, Simon, Heir; Funk, Guenter; and Krueger, Hans, to Siemens Aktiengesellschaft. Magnetic field source for an ion laser. 4,847,841, 7-11-89, Cl. 372-37.000.
- Lamprecht, Herbert, deceased: *See*—
  - Krueger, Hans; Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, heir; and Tiemann, Wilhelm, 4,841,540, Cl. 372-86.000.
- Lamprecht, Ned L.; and Hawley, Clyde W., to Dollinger Corporation. Multi-stage gas-entrained liquid separator. 4,872,890, 10-10-89, Cl. 55-323.000.
- Lamprecht, Simon, heir: *See*—
  - Krueger, Hans; Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, heir; and Tiemann, Wilhelm, 4,841,540, Cl. 372-86.000.
  - Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, Heir; Funk, Guenter; and Krueger, Hans, 4,847,841, Cl. 372-37.000.
- Lamprecht, Thekla, heir: *See*—
  - Krueger, Hans; Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, heir; and Tiemann, Wilhelm, 4,841,540, Cl. 372-86.000.
  - Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, Heir; Funk, Guenter; and Krueger, Hans, 4,847,841, Cl. 372-37.000.
- Lampsat, Bruno G.: *See*—
  - Roth, Robert H.; Lampsat, Bruno G.; and Readnour, Jack L., 4,832,568, Cl. 415-189.000.
- Lampson, Neil F.: *See*—
  - Trask, Walter H.; and Lampson, Neil F., 4,863,044, Cl. 212-189.000.
- Lamsa, Jyrki, to Farmos-Yhtyma Oy. Method for the preparation of a therapeutically active compound. 4,866,174, 9-12-89, Cl. 544-323.000.
- Lamson & Sessions Co., The: *See*—
  - Pate, Harold T.; Laney, William R.; and Shell, Donald H., 4,869,766, Cl. 156-228.000.
- Lamson, William C.: *See*—
  - Baldwin, Blair F.; and Lamson, William C., 4,842,003, Cl. 135-19.500.
- La Mura, Joseph L.: *See*—
  - Williams, Joseph; and La Mura, Joseph L., 4,815,740, Cl. 273-80.100.
- Lamy, Bernard: *See*—
  - Bichon, Daniel; and Lamy, Bernard, 4,888,398, Cl. 525-420.000.
  - Schneider, Michel; Guillot, Christian; and Lamy, Bernard, 4,824,578, Cl. 210-674.000.
- Lanas, Marcelo: *See*—
  - Hoffman, William; Lanas, Marcelo; and Weiss, Douglas, 4,839,200, Cl. 427-265.000.
- Lanati, Paolo: *See*—
  - Scapecchi, Pier L.; Coghi, Giovanni; and Lanati, Paolo, 4,889,086, Cl. 123-90.150.
- Lancaster, Anthony E. Article of stationery. 4,807,907, 2-28-89, Cl. 282-9.00R.
- Lancaster, David R.; and Everding, Richard J., to Amoco Corporation. Fire hose gripping device and process for fighting fires in oil refineries and the like. 4,856,834, 8-15-89, Cl. 294-15.000.
- Lancaster, Gerald M.; and Edmondson, Morris S., to Dow Chemical Company, The. Containers having internal barrier layers. 4,795,665, 1-3-89, Cl. 428-34.200.
- Lancaster, Gerald M.; Kelley, David C.; Cramm, Russell H.; and Neywick, Charles V., to Dow Chemical Company, The. Barrier film structures. 4,847,155, 7-11-89, Cl. 428-421.000.
- Lancaster, Gerald M.: *See*—
  - Neill, Paul L.; Lancaster, Gerald M.; and Bryce, Kenneth L., 4,847,164, Cl. 428-500.000.
  - Pham, Tu-Anh; and Lancaster, Gerald M., 4,853,420, Cl. 521-50.500.
  - Pham, Tu-Anh; and Lancaster, Gerald M., 4,885,315, Cl. 521-50.500.
- Lancaster, James W.: *See*—
  - Camp, Marion L.; and Lancaster, James W., 4,844,431, Cl. 269-25.000.
- Lancaster, Joseph R., to Lantech, Inc. Roped stretch wrapping system. 4,845,920, 7-11-89, Cl. 53-399.000.
- Lancaster, Loren T., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Trench transistor. 4,835,584, 5-30-89, Cl. 357-23.100.
- Lancaster, Patrick R., III; and Lancaster, William G., to Lantech, Inc. High tensile wrapping process. 4,866,909, 9-19-89, Cl. 53-399.000.
- Lancaster, William G.: *See*—
  - Lancaster, Patrick R., III; and Lancaster, William G., 4,866,909, Cl. 53-399.000.
- Lancaster, William H., Jr.: *See*—
  - Kulkarni, Murlidhar V.; and Lancaster, William H., Jr., 4,844,616, Cl. 356-351.000.
- Lance, Roger L.: *See*—
  - Meyer, Stephen C.; Lance, Roger L.; Hetzler, Connie L.; Dunkerly, Cedric A., II; Roessler, Thomas H.; Zenker, David L.; and Sciaraffa, Michael A., 4,798,603, Cl. 604-378.000.
- Lancella, Attilio, to CONNEI S.p.A. Composite female contact. 4,840,587, 6-20-89, Cl. 439-851.000.
- Lancella, Attilio, to Connei S.p.A. Socket contact for contact devices of the pin and socket type. 4,840,588, 6-20-89, Cl. 439-851.000.
- Lancelot, Harry B., to Richmond Screw Anchor Co., Inc. Setting hose anchors in poured concrete structures. 4,888,922, 12-26-89, Cl. 52-124.200.
- Lancer Corporation: *See*—
  - Chesnut, Milton L., 4,823,556, Cl. 62-139.000.
  - McMichael, Dannie L., 4,888,961, Cl. 62-398.000.
  - Schroeder, Alfred A., 4,862,918, Cl. 137-614.190.
- Lancer Pacific: *See*—
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- Lancerotto, Fabio: *See*—
  - Marchiori, Mirko; Lancerotto, Fabio; and Gerin, Umberto, 4,862,687, Cl. 57-354.000.
  - Marchiori, Mirko; Lant, Danny; Lancerotto, Fabio; and Gerin, Umberto, 4,870,815, Cl. 57-299.000.
- Lancesseur, Francois; and Mandin, Claude, to Hoffmann-La Roche Inc.; and Air Sec. Packaging tube for tablets, pills and the like, with a reserve box. 4,805,789, 2-21-89, Cl. 215-6.000.
- Lancette, Henry J. Device for retaining a fish line against a tapered fishing rod. 4,873,780, 10-17-89, Cl. 43-25.200.
- Lancette, Robert W.: *See*—
  - Roberts, Freddie R.; and Lancette, Robert W., 4,883,749, Cl. 434-247.000.
- Lanchais, Michel. Information and guiding system including a portable receiver device having an electromagnetic wave antenna and magnetic field sensor. 4,857,840, 8-15-89, Cl. 324-207.000.
- Lanchet, Lucien, to Air LB. Electrical connector module incorporating components. 4,822,287, 4-18-89, Cl. 439-76.000.
- Lancien, Daniel: *See*—
  - Bernard, Patrice; Lancien, Daniel; and Gazet, Andre, 4,863,121, Cl. 246-122.00R.
- Lancraft, Roy E.; Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; Booth, Barrett L.; Bergman, Norman J.; and Nancy, Marcus D., to Westinghouse Electric Corp. Multiprocessor position/velocity servo control for multiaxis digital robot control system. 4,868,474, 9-19-89, Cl. 318-568.200.
- Lancsek, Thomas S., to Surface Technology, Inc. Method and article having electroless metal plating. 4,859,494, 8-22-89, Cl. 427-47.000.
- Land, Gerard; Maignan, Jean; Restle, Serge; and Malle, Gerard, to L'Oreal. Naphthalene derivatives having retinoid type action, the process for preparation thereof and medicinal and cosmetic compositions containing them. 4,879,284, 11-7-89, Cl. 514-62.000.
- Land Infrared Limited: *See*—
  - Beynon, Thomas G. R.; and Ridley, Ian H., 4,806,723, Cl. 219-109.000.
- Land, John F. Right-hand steering wheel for an automobile. 4,815,331, 3-28-89, Cl. 74-494.000.
- Land, John L. Apparatus for sealing a tubing string in a high pressure wellbore. 4,860,826, 8-29-89, Cl. 166-80.000.
- Land, Larry D.: *See*—
  - Tetrault, Edward J.; and Land, Larry D., 4,835,883, Cl. 36-1.000.
- Land and Marine Applicators, Inc.: *See*—
  - Loerwald, Terry L., 4,807,367, Cl. 30-445.000.
- Land O'Lakes, Inc.: *See*—
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- Land Paving Company: *See*—
  - Dombrowski, Anthony E., 4,797,673, Cl. 340-904.000.
  - Dombrowski, Anthony E., 4,803,488, Cl. 340-904.000.
- Landa, Benzion; Ben-Auraham, Peretz; Hall, Joseph; and Gibson, George A., to Savin Corporation. Toner for use in compositions for developing latent electrostatic images, method of making the same and liquid composition using the improved toner. 4,842,974, 6-27-89, Cl. 430-137.000.

- Landa, Benzion; Blake, Christopher J.; Housworth, Gerald R.; and Lior, Shai, to Savin Corporation. Paper control gate. 4,871,163, 10-3-89, Cl. 271-225.000.
- Landa, Kevin. Ski pole carrier. 4,883,290, 11-28-89, Cl. 280-814.000.
- Landaeus, Kjell; and Borg, Bertil. Means for joining concrete piles. 4,836,717, 6-6-89, Cl. 405-252.000.
- Landais, Jean, to Automobiles Peugeot; and Automobiles Citroen. Electric inertia-actuated circuit breaker. 4,859,818, 8-22-89, Cl. 200-61.45R.
- Landais, Jean-Louis: *See*—
  - Mallet, Jean-Louis; and Landais, Jean-Louis, 4,836,808, Cl. 439-813.000.
  - Mallet, Jean-Louis; and Landais, Jean-Louis, 4,858,074, Cl. 361-388.000.
- Landais, Yannick: *See*—
  - Robin, Jean-Pierre; and Landais, Yannick, 4,873,349, Cl. 549-298.000.
- Landau, Adela, to MacDermid, Incorporated. Adhesion promoter for printed circuits. 4,844,981, 7-4-89, Cl. 428-413.000.
- Landau, Paul: *See*—
  - Campbell, Robert B.; and Landau, Paul, 4,795,029, Cl. 206-278.000.
- Landau, Richard F.; Millikin Jr., William E.; Puchacz, Jerzy P.; Reyes, Manolito Q.; and Schadler, Walter, to Oerlikon-Buhrle U.S.A. Inc. High vacuum processing system and method. 4,857,160, 8-15-89, Cl. 204-192.120.
- Landau, Zvi: *See*—
  - Weiner, Murray; Silverman, William; Landau, Zvi; Finer, Paul; and Pincus, Cary I., 4,860,329, Cl. 378-50.000.
- Landauer, Thomas K.: *See*—
  - Deerwester, Scott C.; Dumais, Susan T.; Furnas, George W.; Harshman, Richard A.; Landauer, Thomas K.; Lochbaum, Karen E.; and Streeter, Lynn A., 4,839,853, Cl. 364-900.000.
- Landclass Limited: *See*—
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  - Meyer, Jacques; Bouchet, Jean M.; and Lande, Jean P., 4,817,202, Cl. 455-603.000.
- Landec Labs, Inc.: *See*—
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  - Stewart, Ray F., 4,830,855, Cl. 424-448.000.
- Landeck, Heiner; and Ranke, Gerhard, to Linde Aktiengesellschaft. Scrubbing of gas to recover light hydrocarbons. 4,797,140, 1-10-89, Cl. 55-48.000.
- Landeck, Heiner; and Ranke, Gerhard, to Linde Aktiengesellschaft. Scrubbing of gas to recover light hydrocarbons. 4,810,267, 3-7-89, Cl. 55-73.000.
- Landecker, David J., to Menda Scientific Products, Inc. Fluid dispenser cap having fluid collecting dish and lockable pump actuator. 4,865,228, 9-12-89, Cl. 222-153.000.
- Landegger, Carl C.: *See*—
  - Chupka, David E.; and Landegger, Carl C., 4,795,560, Cl. 210-497.010.
  - Chupka, David E.; and Landegger, Carl C., 4,885,090, Cl. 210-497.010.
- Landel, Eric: *See*—
  - Guevel, Pierre; and Landel, Eric, 4,810,129, Cl. 405-79.000.
- Landell, Blakely P.; and Wohlford, Robert E., to ITT Defense Communications, a Division of ITT Corporation. Apparatus and method for automatic speech recognition. 4,811,399, 3-7-89, Cl. 381-43.000.
- Lander, Emil: *See*—
  - Morton, John D.; Newcombe, Edmund A.; and Lander, Emil, 4,864,557, Cl. 370-17.000.
- Lander, Jack. Variable ratio drive mechanism. 4,820,244, 4-11-89, Cl. 474-56.000.
- Lander, Jacqueline R.; and Griffiths, John A., to Carbon Research Limited. Filled polymer compositions. 4,795,592, 1-3-89, Cl. 252-511.000.
- Lander, Naphtali: *See*—
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- Landes, Marie-Paule: *See*—
  - Combourieu, Michel; Simbille, Nadine; Landes, Marie-Paule; and Bernet, Yvon, 4,803,219, Cl. 514-469.000.
- Landfors, Arthur A., to Varian Associates, Inc. Counterflow leak detector with high and low sensitivity operating modes. 4,845,360, 7-4-89, Cl. 250-288.000.
- Landgarten, Harris B.; and Ziegler, Eldon W., to Noise Cancellation Technologies, Inc. Monitoring, testing and operator controlling of active noise and vibration cancellation systems. 4,862,506, 8-29-89, Cl. 381-71.000.
- Landgraf, Hermann: *See*—
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- Landgraf, Robert M.; and Hancock, Johnie L., to Hewlett-Packard Company. Channel-gain-vernier-tracking trigger hysteresis for an oscilloscope. 4,823,077, 4-18-89, Cl. 324-121.00R.
- Landham, Edward C., Jr.: *See*—
  - Altman, Ralph F.; Gooch, John P.; Dismukes, Edward B.; and Landham, Edward C., Jr., 4,872,887, Cl. 55-5.000.
- Landherr, Gordon G.: *See*—
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- Landino, Paul J.; and Ramadei, Michael J., to Zycron Systems, Inc. Microprocessor speed controller. 4,843,297, 6-27-89, Cl. 318-811.000.
- Landis & Gyr Metering, Inc.: *See*—
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  - Voisine, John T.; and Joder, Andy, 4,887,028, Cl. 324-142.000.
- Landis, H. Richard, to Landis Plastics, Inc. Tear strip closure with improved tamper indication. 4,819,825, 4-11-89, Cl. 220-276.000.
- Landis, H. Richard, to Landis Plastics, Inc. Container closure with anti-nesting ribs. 4,826,039, 5-2-89, Cl. 220-380.000.
- Landis, H. Richard, to Landis Plastics, Inc. Tear-strip closure and container assembly. 4,865,216, 9-12-89, Cl. 220-270.000.
- Landis, H. Richard, to Landis Plastics, Inc. Container closure and assembly. 4,872,586, 10-10-89, Cl. 220-307.000.
- Landis, John M.: *See*—
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- Landis, Kenneth K.: *See*—
  - Hall, Kenneth B.; and Landis, Kenneth K., 4,827,587, Cl. 29-156.80B.
  - Hall, Kenneth B.; and Landis, Kenneth K., 4,859,147, Cl. 416-97.00R.
- Landis, Michael E.; Aufdembrink, Brent A.; Chu, Pochen; Johnson, Ivy D.; Kirker, Garry W.; Page, Nancy M.; and Rubin, Mae K., to Mobil Oil Corporation. Layered metal chalcogenides containing interspathic polymeric chalcogenides. 4,859,648, 8-22-89, Cl. 502-242.000.
- Landis, Michael E.: *See*—
  - Angevine, Philip J.; Degnan, Thomas F., Jr.; and Landis, Michael E., 4,812,228, Cl. 208-251.00H.
  - Chu, Pochen; Green, Larry A.; and Landis, Michael E., 4,889,839, Cl. 502-242.000.
  - Kuehl, Guenter H.; and Landis, Michael E., 4,861,570, Cl. 423-326.000.
  - von Ballmoos, Roland; Chu, Cynthia T-W.; Landis, Michael E.; and Derouane, Eric G., 4,880,611, Cl. 423-306.000.
- Landis, Phillip S.; and Erickson, Frank, to International Lubricants, Inc. Jojoba oil and jojoba oil derivative lubricant compositions. 4,873,008, 10-10-89, Cl. 252-46.600.
- Landis Plastics, Inc.: *See*—
  - Landis, H. Richard, 4,819,825, Cl. 220-276.000.
  - Landis, H. Richard, 4,826,039, Cl. 220-380.000.
  - Landis, H. Richard, 4,865,216, Cl. 220-270.000.
  - Landis, H. Richard, 4,872,586, Cl. 220-307.000.
- Landis, Richard C., to ITT Gallium Arsenide Technology Center A Division of ITT Corporation. Low impedance interconnect method and structure for high frequency IC such as GaAs. 4,816,967, 3-28-89, Cl. 361-401.000.
- Landis, Richard C., to ITT Corporation. Direct interconnection for use between a semiconductor and a pin connector or the like. 4,866,504, 9-12-89, Cl. 357-68.000.
- Landis, Timothy J.; and Wirth, Charles V. Combined surgeon's cap, visor and protective shield. 4,850,049, 7-25-89, Cl. 2-10.000.
- Landis, Timothy J. Combined visor and protective shield. 4,852,186, 8-1-89, Cl. 2-9.000.
- Landis, Timothy J. Protective shield and visor supporting same. 4,864,653, 9-12-89, Cl. 2-9.000.
- Landis, William R.: *See*—
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  - Patton, Paul B.; and Landis, William R., 4,854,852, Cl. 431-78.000.
  - Patton, Paul B.; and Landis, William R., 4,866,363, Cl. 318-663.000.
- Landman, Ronald G.; Spring, Harold G.; Burba, Joseph C.; and Fenton, James E., to Ford Motor Company. Digital energy meter. 4,795,974, 1-3-89, Cl. 324-142.000.
- Landman, Ronald G.: *See*—
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- Landmann, Wolf S.: *See*—
  - Van Der Jagt, Lourens; Martin, Gunther; and Landmann, Wolf S., 4,805,197, Cl. 375-110.000.
- Landmeier, Waldo L., to Calcomp Inc. 3-Dimensional digitizer pen. 4,806,707, 2-21-89, Cl. 178-18.000.
- Landmeier, Waldo L., to CalComp, Inc. Digitizer system with intertwined loopback conductor grid. 4,831,216, 5-16-89, Cl. 178-19.000.
- Landmeier, Waldo L., to Calcomp Inc. Shielding techique for digitizers. 4,853,497, 8-1-89, Cl. 178-18.000.
- Landmeier, Waldo L., to Calcomp Inc. Ink-on-glass digitizer tablet and method of construction. 4,873,399, 10-10-89, Cl. 178-18.000.
- Lando, David J.; and Wight, Frederick R., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Circuit board fabrication leading to increased capacity. 4,888,450, 12-19-89, Cl. 174-68.500.
- Landoni, Gianluigi: *See*—
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Landre, Bernard, to Universal Technic. Current-measuring device. 4,841,237, 6-20-89, Cl. 324-127.000.

Landre, Jean-Francois, to Ciba-Geigy Corporation. Process for after-treating cellulosic material dyed with dyes containing acid sulfo groups with salt solution to improve wet fastness and tear strength. 4,826,503, 5-2-89, Cl. 8-543.000.

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Cree, Charles M. N.; Landry, Grady J.; Scully, Keith J.; and Singh, Harinder S., 4,866,611, Cl. 364-300.000.

Landry, John M.; and Ravenna, Paul L. Nautical chart for piloting. 4,796,920, 1-10-89, Cl. 283-34.000.

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Baun, Philip J., Jr.; Carriere, Joseph F.; Eng, Stephen K.; Landry, Joseph E.; Lee, Jonghee; Nolan, Thomas M.; and Rhodes, David C., 4,849,977, Cl. 371-49.000.

Landry, Joseph L. Automatic log feeder for fireplaces. 4,865,016, 9-12-89, Cl. 126-501.000.

Landry, Louis G.; and Nunez, Fabian, to Essex Group, Inc. Method of manufacturing a fiber reinforced heat shrinkable tubing article. 4,836,872, 6-6-89, Cl. 156-85.000.

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Landry, Vincent E.: *See—*

Gelardi, Anthony L.; Geladri, John; Landry, Vincent E.; Fruneau, Diane C.; and Lowry, Alan B., 4,800,641, Cl. 29-436.000.

Landsberg, Marcus L. Strategy game. 4,844,473, 7-4-89, Cl. 273-264.000.

Landsberger, Kurt. Dual magnetic stirring bar arrangement. 4,797,005, 1-10-89, Cl. 366-343.000.

Landscheidt, Alfons: *See—*

Kaussen, Manfred; Stockhausen, Dolf; Hartan, Hans-Georg; and Landscheidt, Alfons, 4,813,968, Cl. 8-94.230.

Landsinger, Edmund E.: *See—*

Brook, Arthur H.; Carian, Peter J.; Katzin, Leonard; Landsinger, Edmund E.; Moore, James D.; Rotter, Leah D.; and Schreiber, Stanley, 4,875,469, Cl. 128-26.000.

Landskron, Jurgen; Zahn, Jorn; Heckmann, Harald; and Mohr, Georg, to Intermedicat GmbH. Apparatus for introducing liquids and/or elongated elements into a body cavity. 4,838,873, 6-13-89, Cl. 604-283.000.

Landsman, Douglas A.: *See—*

Luczak, Francis J.; and Landsman, Douglas A., 4,806,515, Cl. 502-185.000.

Luczak, Francis J.; and Landsman, Douglas A., 4,880,711, Cl. 429-40.000.

Landsman, Robert M., to Powers Chemco, Inc. Film transport mechanism. 4,813,321, 3-21-89, Cl. 83-111.000.

Landsman, Steve, to Conrey, Richard N.; and McQuaid, Phillip T. Electronic athletic equipment. 4,822,042, 4-18-89, Cl. 273-73.00R.

Landsness, Carl J.: *See—*

Buskirk, William A.; Landsness, Carl J.; and Rhodes, John D., 4,872,027, Cl. 346-140.00R.

Landstingens Inkopscentral, Lic, Ekonomisk Forening: *See—*

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Landt, Don L., to Rockwell International Corporation. Weather radar temperature controlled impatt diodes circuit and method of operation. 4,884,077, 11-28-89, Cl. 342-202.000.

Landt, Jeremy A., to Amtech Corporation. Transponder antenna. 4,816,839, 3-28-89, Cl. 343-795.000.

Landt, Jeremy A., to Amtech Technology Corporation. Beam powered antenna. 4,853,705, 8-1-89, Cl. 343-803.000.

Landt, Jeremy A.; Koelle, Alfred R.; and Eckhardt, David A., to Amtech Technology Corporation. Signal discrimination system. 4,888,591, 12-19-89, Cl. 342-44.000.

Landt, Richard C., to SPS Technologies, Inc. Vibration resistant fasteners. 4,808,050, 2-28-89, Cl. 411-188.000.

Landt, Richard C., to SPS Technologies, Inc. Vibration resistant fasteners. 4,842,463, 6-27-89, Cl. 411-188.000.

Landuydt, Louis. Fishing lure. 4,819,365, 4-11-89, Cl. 43-42.470.

Landwehr, Hubert; Blom, Dieter; Endter, Horst; and Trimborn, Hermann-Josef, to SMS Hasenclever Maschinenfabrik GmbH. Stroke limiting means for friction clutch pressure piston in a screw press. 4,850,215, 7-25-89, Cl. 72-454.000.

Landwehr, Oswald: *See—*

Wintermantel, Erich; and Landwehr, Oswald, 4,799,822, Cl. 405-46.000.

Landwehr, Reinhard; and Rebers, Gunter, to Klockner Ferromatik Desma GmbH. Molding outer and inner soles onto shoe uppers. 4,801,256, 1-31-89, Cl. 425-119.000.

Landwehr, Reinhard; and Rebers, Gunter, to Klockner Ferromatik Desma GmbH. Molding outer and inner soles onto shoe uppers. 4,873,049, 10-10-89, Cl. 264-513.000.

Landwehr, Ulrich M. Photographically measuring surface contours and dimensions. 4,845,518, 7-4-89, Cl. 354-77.000.

Landwehrkamp, Hans: *See—*

Kriechbaum, Kurt; Walk, Johann; Landwehrkamp, Hans; and Reeber, Rudolf, 4,845,812, Cl. 19-80.00R.

Landy, Michael A.; Thompson, Todd L.; and Wiemann, Larry L., to Fatigue Technology, Inc. Method and apparatus for backing up mandrel exit holes in knuckle structures. 4,809,420, 3-7-89, Cl. 29-523.000.

Landy, Michael A., to Fatigue Technology, Inc. Combined hole size gauge and oversized hole marker. 4,864,732, 9-12-89, Cl. 33-178.00B.

Landy, Michael A., to Fatigue Technology, Incorporated. Fatigue life enhancement of dovetail connector slots and noncircular openings. 4,885,829, 12-12-89, Cl. 29-156.80R.

Landymore, Roderick W.; and Marble, Allan E. Method for effecting closure of a perforation in the septum of the heart. 4,836,204, 6-6-89, Cl. 128-334.00R.

Lane, Anthony A., to Plessey Overseas Limited. Microwave phase shifters. 4,853,658, 8-1-89, Cl. 333-164.000.

Lane, Ben J. Emergency interlocking belt. 4,846,770, 7-11-89, Cl. 474-253.000.

Lane, Bennie L., to Metal Era, Inc. Fascia assembly for securing edge of rubber roof membrane including reinforcing clips. 4,800,689, 1-31-89, Cl. 52-60.000.

Lane, Bennie L.; and Taylor, William T., to Metal Era, Inc. Coping structure including rigid anchor bar. 4,858,406, 8-22-89, Cl. 52-300.000.

Lane, Charles E., III: *See—*

Hershey, George E.; Lane, Charles E., III; and Wilda, Douglas W., 4,841,777, Cl. 73-721.000.

Lane, Charles H. R., to General Electric Company, p.l.c., The. Optical switch structures. 4,815,827, 3-28-89, Cl. 350-347.00V.

Lane, David, to AMP Incorporated. Electrical connector for data distribution panel. 4,883,433, 11-28-89, Cl. 439-607.000.

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Rule, Mark; Larkins, Thomas H., Jr.; Lane, Donald W.; and Steinmetz, Guy R., 4,827,018, Cl. 560-80.000.

Rule, Mark; Larkins, Thomas H., Jr.; Lane, Donald W.; and Steinmetz, Guy R., 4,866,200, Cl. 560-80.000.

Lane, Eckel R.: *See—*

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McCullough, Francis P., Jr.; Lane, Eckel R.; Goswami, Bhuvenesh C.; and Hall, David M., 4,869,962, Cl. 428-408.000.

Lane, Eric: *See—*

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Lane, Ernest: *See—*

Carpentier, Alain; Koik, Victor E.; and Lane, Ernest, 4,865,600, Cl. 623-2.000.

Lane, Hugh R.; and Onyon, Peter D., to Rank Taylor Hobson Limited. Metrological apparatus. 4,807,152, 2-21-89, Cl. 364-513.000.

Lane, John R. G.: *See—*

Clarke, Neil; and Lane, John R. G., 4,810,453, Cl. 264-269.000.

Lane, Joseph A., to Amtrol Inc. Integral diaphragm-liner bladder for hydropneumatic tank. 4,836,409, 6-6-89, Cl. 220-403.000.

Lane, Joseph M.; Burstein, Albert H.; Otis, James C.; and Wright, Timothy M., to New York Society for the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery. Bone prosthesis for the leg and thigh. 4,834,758, 5-30-89, Cl. 623-18.000.

Lane, Larry G.; and Orwig, Raymond L., to R & J Orwig, Inc. Apparatus for making a molasses-based animal feed mass. 4,846,053, 7-11-89, Cl. 99-339.000.

Lane, Larry R.: *See—*

Brors, Daniel L.; Lane, Larry R.; Goldsborough, Mark W.; Samuel, Jason M.; van Mastrigt, Max; and Foster, Robert, 4,796,562, Cl. 118-725.000.

Lane, Lawrence J., to General Electric Company. Method and apparatus for damping oscillations of an ac generator. 4,855,664, 8-8-89, Cl. 322-19.000.

Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Mallory, Chester L., to Prometrix Corporation. Process control interface system for managing measurement data. 4,805,089, 2-14-89, Cl. 364-188.000.

Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Mallory, Chester L., to Prometrix Corporation. Multi-level dynamic menu which suppresses display of items previously designated as non-selectable. 4,843,538, 6-27-89, Cl. 364-188.000.

Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Kumagi, Shoji, to Prometrix Corporation. Process control interface with simultaneously displayed three level dynamic menu. 4,873,623, 10-10-89, Cl. 364-188.000.

Lane, Lori B.: *See—*

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Lane, Martyn G.: *See—*

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Lane, Robert: *See—*

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Lane, Robert L.: *See—*

Schonfeld, Arnold; and Lane, Robert L., 4,805,045, Cl. 360-60.000.

Lane, Rodney J.; Taylor, George R.; and Pace, Gary W., to Quotidian No. 100 PTY Limited. Control of blood flow. 4,828,544, 5-9-89, Cl. 604-9.000.

Lane, Wendell C., Jr.: *See—*

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Lane, William A., Jr.; and Davis, Steven D., to W. A. Lane, Inc. Free standing product pouch. 4,795,271, 1-3-89, Cl. 383-104.000.

Lane, William A., Jr. Hanging packaging cup. 4,854,466, 8-8-89, Cl. 220-23.830.

Lane, William A., Sr. Segmented head seal for cup packaging machine. 4,862,672, 9-5-89, Cl. 53-282.000.

Lane, William A., Sr., to W. A. Lane, Inc. Fluted product cup. 4,875,620, 10-24-89, Cl. 229-1.50B.

Lane, William C.: *See—*

Prawdzik, John; Maxim, Norman F.; Lane, William C.; and Antonio, Christo, 4,816,314, Cl. 156-235.000.

Lane, William E., Jr.; Leist, Clayton E., II; and Busch, Bradley L. Refrigeration efficiency monitoring system. 4,882,928, 11-28-89, Cl. 73-19.000.

Lane, William H.: *See—*

Eggebrecht, Roland C.; McIlheran, Aaron A.; Lane, William H.; and Richardson, Robert A., 4,866,568, Cl. 361-333.000.

Lane, William R.: *See—*

Schrank, Douglas A.; Carter, Thomas W.; Vaccaro, Joseph P.; and Lane, William R., 4,834,631, Cl. 417-283.000.

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Laney, Mark C.: *See—*

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French, Kendrick L.; and Laney, Mark C., 4,888,901, Cl. 42-51.000.

Laney, Steven H.: *See—*

Mauritz, Karl H.; Leger, Geary L.; Wicklund, Joseph B.; Herrud, James E.; and Laney, Steven H., 4,882,700, Cl. 365-51.000.

Laney, William R.: *See—*

Pate, Harold T.; Laney, William R.; and Shell, Donald H., 4,869,766, Cl. 156-228.000.

Lanfranca, Michel, to U.S. Philips Corporation. Memory device having a simplified sense amplifier with a buffer conductive during both precharge and read operations. 4,811,300, 3-7-89, Cl. 365-203.000.

Lanfranca, Michel J.; Labrousse, Jean-Michel J.; and Deneuchatel, Christian M., to U.S. Philips Corporation. Arithmetic and logic circuit stage. 4,805,130, 2-14-89, Cl. 364-786.000.

Lanfranco, Giovanni: *See—*

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Lanfranconi, Gianmario: *See—*

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Lanfri, James A., to Huntington Mechanical Laboratories, Inc. Valve with improved sealing properties. 4,795,134, 1-3-89, Cl. 251-335.300.

Lang, Aage, to Milliken Research Corporation. Method for production of piled mats with a rubber backing on a vulcanizing press. 4,873,040, 10-10-89, Cl. 264-102.000.

Lang, Alan F., to Longyear Company. Reverse circulation bit apparatus. 4,823,890, 4-25-89, Cl. 175-318.000.

Lang, Alfred: *See—*

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Lang, Armin, to Zahnradfabrik Friedrichshafen, AG. Servosteering, especially for motor vehicles. 4,811,806, 3-14-89, Cl. 180-141.000.

Lang, Armin, to Zahnradfabrik Friedrichshafen, AG. Servosteering, especially for motor vehicles. 4,815,551, 3-28-89, Cl. 180-143.000.

Lang, Bernhard; and Selders, Matthias, to Diehl GmbH & Co. Arrangement of modular subassemblies. 4,836,107, 6-6-89, Cl. 102-293.000.

Lang, Billy J., II: *See—*

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Lang, Bruno, to Viscosuisse SA. Method for preventing side wall indentations in a splice region of the tire carcass. 4,810,317, 3-7-89, Cl. 156-134.000.

Lang, Bruno, to Viscosuisse SA. Process for the production of dimension-stable polyester tire cord. 4,883,629, 11-28-89, Cl. 264-289.600.

Lang, Dan H.: *See—*

Lentz, Henry P.; Delaney, Larry R.; Matone, Charles J., Jr.; Lee, Richard J.; and Lang, Dan H., 4,831,236, Cl. 219-271.000.

Lang, David A., to GSE, Incorporated. Multiple range electronic weigh scale. 4,842,085, 6-27-89, Cl. 177-164.000.

Lang, David J., to Sundstrand Corporation. Flight control surface actuation lock system. 4,795,110, 1-3-89, Cl. 244-3.240.

Lang, David J.: *See—*

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Lang, Dennis R. Combination nozzle and dental floss assembly for oral hygiene flushing apparatus. 4,883,080, 11-28-89, Cl. 132-322.000.

Lang, Donald J.: *See—*

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Lang, Gary R.: *See—*

Nicely, Mark C.; Leavitt, Ronald; Mannion, Joel; Schreiber, Rob; Lang, Gary R.; Papenberg, Robert L.; and Straub, Joseph E., 4,839,801, Cl. 364-200.000.

Nicely, Mark C.; Schreiber, Robert; Parks, Terry M.; Mannion, A. Joel; Lang, Gary R.; and Patton, Charles F., 4,860,249, Cl. 364-900.000.

Lang, Gerald; Malaval, Alain; and Leduc, Madeleine, to L'Oreal. Cosmetic compositions containing hydroxyl derivatives of dibenzoylmethane and their use in protecting the skin against ultraviolet rays and derivatives for use therein. 4,814,162, 3-21-89, Cl. 424-47.000.

Lang, Gerard; Richard, Herve; Leduc, Madeleine; and Junino, Alex, to L'Oreal. Dyeing compositions for keratinous fibres based on indole derivatives, and new compounds. 4,822,375, 4-18-89, Cl. 8-423.000.

Lang, Gerard; and Forestier, Serge, to L'Oreal. Compositions containing bis-(quaternary ammonium) derivatives for the treatment of keratin materials and natural non-keratin or synthetic textile materials. 4,828,819, 5-9-89, Cl. 424-47.000.

Lang, Gerard; Malaval, Alain; Grollier, Jean-Francois; and Rosenbaum, Georges, to L'Oreal. Use of benzoquinones for the direct dyeing of keratin fibres. 4,867,751, 9-19-89, Cl. 8-405.000.

Lang, Gerard; Maignan, Jean; Forestier, Serge; Restle, Serge; Lagrange, Alain; and Shroot, Braham, to L'Oreal. Naphthalene derivatives possessing a retinoid-type action, processes for their preparation, and medicinal and cosmetic compositions containing these derivatives. 4,876,381, 10-24-89, Cl. 560-56.000.

Lang, Gerard; Forestier, Serge; Hocquaux, Michel; Grollier, Jean-Francois; and Rosenbaum, Georges, to L'Oreal. Use of hydroxynaphthoquinones for dyeing human keratin fibres. 4,888,026, 12-19-89, Cl. 8-405.000.

Lang, Gerard: *See—*

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Junino, Alex; Lang, Gerard; Jehanno, Nicole; and Vandenbosche, Jean J., 4,797,129, Cl. 8-407.000.

Junino, Alex; Lang, Gerard; Jehanno, Nicole; and Vandenbosche, Jean J., 4,845,293, Cl. 564-441.000.

Junino, Alex; Jehanno, Nicole; and Lang, Gerard, 4,863,482, Cl. 8-429.000.

Junino, Alex; Genet, Alain; and Lang, Gerard, 4,865,617, Cl. 8-409.000.

Junino, Alex; Vandenbosche, Jean J.; Borowiak, Herve; and Lang, Gerard, 4,865,618, Cl. 8-411.000.

Junino, Alex; Vandenbosche, Jean J.; Borowiak, Herve; and Lang, Gerard, 4,865,619, Cl. 8-412.000.

Junino, Alex; Lang, Gerard; and Jehanno, Nicole, 4,888,445, Cl. 564-441.000.

Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, 4,826,969, Cl. 536-55.200.

Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, 4,829,080, Cl. 514-432.000.

Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, 4,833,240, Cl. 536-55.200.

Shroot, Braham; Maignan, Jean; and Lang, Gerard, 4,826,996, Cl. 548-529.000.

Shroot, Braham; Lang, Gerard; Maignan, Jean; Restle, Serge; Hensby, Christopher; and Colin, Michel, 4,843,097, Cl. 514-680.000.

Shroot, Braham; Maignan, Jean; and Lang, Gerard, 4,866,095, Cl. 514-569.000.

Shroot, Braham; Hensby, Christopher; Maignan, Jean; Lang, Gerard; Restle, Serge; and Colin, Michel, 4,877,789, Cl. 514-255.000.

Shroot, Braham; Lang, Gerard; Maignan, Jean; Restle, Serge; Hensby, Christopher; and Colin, Michel, 4,889,865, Cl. 514-332.000.

Lang, Gordon R.; and Longstaff, Fred M., to Motorola Canada Limited. Full duplex modem system for differing data bit rates. 4,882,726, 11-21-89, Cl. 370-24.000.

Lang, Gunther; Wendel, Harald; and Konrad, Eugen, to Wella Aktiengesellschaft. Cosmetic agent on the basis of quaternary chitosan derivatives, novel quaternary chitosan derivatives as well as processes for making same. 4,822,598, 4-18-89, Cl. 424-47.000.

Lang, Gunther; Maresch, Gerhard; Wendel, Harald; Konrad, Eugen; Lenz, Hans-Rudi; and Titze, Jurgen, to Wella Aktiengsellschaft. Cosmetic compositions based upon n-hydroxypropyl-chitosans, new n-hydroxypropyl-chitosans, as well as processes for the production thereof. 4,835,266, 5-30-89, Cl. 536-20.000.

Lang, Gunther; Maresch, Gerhard; Lenz, Hans-Rudi; Konrad, Eugen; Breuer, Lothar; and Hoch, Dietrich, to Wella Aktiengesellschaft. Cosmetic compositions on the basis of alkyl-hydroxypropyl-substituted chitosan derivatives, new chitosan derivatives and processes for the production thereof. 4,845,204, 7-4-89, Cl. 536-20.000.

Lang, Hans-Jochen; Rippel, Robert; Herling, Andreas W.; and Weidmann, Klaus, to Hoechst Aktiengesellschaft. Substituted thienoimidazole derivatives, pharmaceutical compositions containing them, and their use as inhibitors of gastric acid secretion. 4,845,118, 7-4-89, Cl. 514-338.000.

Lang, Hans-Jochen; Hropot, Max; Granzer, Ernold; and Kerekjarto, Bela, to Hoechst Aktiengesellschaft. Benzenesulfonamide derivatives and a process for the medical use thereof. 4,849,444, 7-18-89, Cl. 514-425.000.

Lang, Hans-Jochen; Rosner, Manfred; Weidmann, Klaus; Rippel, Robert; and Herling, Andreas W., to Hoechst Aktiengesellschaft. Substituted thienoimidazole-toluidine derivatives as inhibitors of gastric acid secretion. 4,871,734, 10-3-89, Cl. 514-212.000.

Lang, Hans-Jorg: *See—*
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Lang, Hans-Werner. Wavefront array processor. 4,884,193, 11-28-89, Cl. 364-200.000.

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Lang, Howard J.: *See—*
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Lang, James I.: *See—*
  Fay, James E., III; Hrubecky, Frederick J.; Mills, Doris A.; Gierke, Carl J.; Heikkinen, Wilbert; Williams, Rory D.; and Lang, James I., 4,834,774, Cl. 44-14.000.

Lang, James P. Flag pin golf ball distance measuring device. 4,880,232, 11-14-89, Cl. 273-32.00B.

Lang, Jean-Marc; and Dubost, Bruno, to Pechiney. Process for obtaining crystals of intermetallic compounds, in particular isolated monocrystals, by cooling alloys in the molten state. 4,838,988, 6-13-89, Cl. 156-624.000.

Lang, John S., to James M. Montgomery, Consulting Engineers, Inc. Hydraulic diffusion flash mixing. 4,869,595, 9-26-89, Cl. 366-137.000.

Lang, John W., to A & E Manufacturing Company. Ratchet box wrench with offset handle. 4,819,521, 4-11-89, Cl. 81-63.000.

Lang, Manfred; and Hoppler, Walter, to Spinner GmbH, Elektrotechnische Fabrik. Waveguide device for producing absorption or attenuation. 4,799,031, 1-17-89, Cl. 333-22.00R.

Lang, Manfred, to Gebr. Happich GmbH. Emergency Hammer. 4,882,956, 11-28-89, Cl. 81-20.000.

Lang, Marc, to Ciba-Geigy Corporation. Penen compounds. 4,826,832, 5-2-89, Cl. 514-192.000.

Lang, Michael: *See—*
  DeMello, Richard M.; Ham, Robert J.; Lang, Michael; Ouellette, Gerry D.; Slater, Andrea T.; and Trombley, Frederick W., III, 4,863,442, Cl. 604-282.000.

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Lang nee Rihmer, Zuzanne: *See—*
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Lang, Otto; and Dombrowski, Manfred, to Siemens Aktiengesellschaft. Circuit arrangement for serial data transmission between a plurality of subscriber stations. 4,807,249, 2-21-89, Cl. 375-7.000.

Lang, Peter: *See—*
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Lang, Raymond G. Waste disposal system. 4,861,194, 8-29-89, Cl. 405-128.000.

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  Webb, Thomas E.; Schumm, Dorothy E.; Hanausek-Walaszek, Margaret; Walaszek, Zbigniew; and Lang, Raymond W., 4,871,661, Cl. 435-7.000.

Lang, Richard D.; and Bolton, Theodore S., to Carrier Corporation. Fan motor assembly method and apparatus for a room air conditioner. 4,800,735, 1-31-89, Cl. 62-298.000.

Lang, Richard D.: *See—*
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Lang, Richard J., to General Electric Company. MMIC (monolithic microwave integrated circuit) voltage controlled analog phase shifter. 4,837,532, 6-6-89, Cl. 333-164.000.

Lang, Richard J.: *See—*
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Lang, Robert: *See—*
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Lang, Robert J.; Maa, Peter S.; and LaVanga, Veluswamy R., to Exxon Research and Engineering Company. Catalyst composition and process of making. 4,831,003, 5-16-89, Cl. 502-182.000.

Lang, Robert W.; and Klingert, Bernd, to Ciba-Geigy Corporation. Process for the preparation of trifluorodichloroethyl-substituted acids and zinc compounds. 4,886,879, 12-12-89, Cl. 540-486.000.

Lang, Robert W.: *See—*
  Beck, Andreas; Breitenstein, Werner; von Sprecher, Andreas; Lang, Robert W.; and Oertle, Konrad, 4,808,572, Cl. 514-18.000.
  Beck, Andreas; Sallmann, Alfred; Lang, Robert W.; and Wenk, Paul, 4,820,726, Cl. 514-476.000.
  Martin, Pierre; and Lang, Robert W., 4,822,919, Cl. 568-308.000.
  Martin, Pierre; and Lang, Robert W., 4,868,202, Cl. 514-423.000.
  Riediker, Martin; Lang, Robert W.; Duthaler, Rudolf; Herold, Peter; Oertle, Konrad; and Bold, Guido, 4,826,965, Cl. 536-18.100.
  Sturm, Elmar; Lang, Robert W.; and Kristiansen, Odd, 4,847,258, Cl. 514-274.000.

Lang, Rudiger; and Meyer, Bernd, to Effem GmbH. Highly porous ceramic material for absorption and adsorption purposes, particularly for animal litter/bedding, process for the production thereof and the use thereof. 4,824,810, 4-25-89, Cl. 501-84.000.

Lang, Rudiger; and Meyer, Bernd, to Effem GmbH. Lightweight ceramic material for building purposes, process for the production thereof and the use thereof. 4,824,811, 4-25-89, Cl. 501-84.000.

Lang, Siegfried: *See—*
  Goertz, Hans-Helmut; Klimesch, Roger G.; Laemmerhirt, Klaus; Lang, Siegfried; Sanner, Axel; and Spengler, Reinhard, 4,801,460, Cl. 424-465.000.

Lang, Stephen M.; and Webster, David F., to Smith and Nephew Associated Companies p.l.c. Wound dressing, manufacture and use. 4,860,737, 8-29-89, Cl. 128-156.000.

Lang, Stephen W.; and Oristaglio, Michael L., to Schlumberger Technology Corporation. Compressional/shear wave separation in vertical seismic profiling. 4,870,580, 9-26-89, Cl. 364-421.000.

Lang, Steven C., to General Motors Corporation. Molding/locating and attaching clip device. 4,800,699, 1-31-89, Cl. 52-717.100.

Lang, Stuart E., to Dubner Computer Systems, Inc. Recovery of luminance and chrominance information from an encoded color television signal. 4,819,061, 4-4-89, Cl. 358-31.000.

Lang, Stuart E., to Dubner Computer Systems, Inc. Field motion suppression in interlaced video displays. 4,845,557, 7-4-89, Cl. 358-105.000.

Lang, Stuart E., to Dubner Computer Systems, Inc. Diagonal correction in composite video decoder. 4,847,683, 7-11-89, Cl. 358-37.000.

Lang, Thomas: *See—*
  Koenig, Wilhelm; Lang, Thomas; and Trumpp, Gerhard, 4,839,643, Cl. 340-825.910.

Lang, Thomas A.: *See—*
  Brown, Dwight E.; Laughery, Mark S.; and Lang, Thomas A., 4,845,663, Cl. 364-900.000.

Lang, Thomas G. Planing catamaran vessel. 4,802,428, 2-7-89, Cl. 114-61.000.

Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, to EGIS Gyogyszergyar. 1-(hydroxystyryl)-5H-2,3-benzodiazepine derivatives, and pharmaceutical compositions containing the same. 4,840,948, 6-20-89, Cl. 514-221.000.

Lang, Tibor: *See—*
  Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.

Lang, Tracy H.: *See—*
  Byers, Hugo; and Lang, Tracy H., 4,884,596, Cl. 137-801.000.

Lang, William P., to Brunswick Corporation. Fuel puddle suction system for fuel injected engine. 4,794,888, 1-3-89, Cl. 123-73.0SC.

Langa, John M.; Boswell, Michael J.; and Littleton, Kermit R., to James Hardie Irrigation, Inc. Irrigation hose with linear turbulent flow emitter. 4,880,167, 11-14-89, Cl. 239-542.000.

Langan, Jeffrey M. Safety barrier for small children. 4,852,194, 8-1-89, Cl. 5-427.000.

Langas, Arthur; and Ayres, Donald B., to Hartco Company. Apparatus and method for automatically securing borderwires on mattress innersprings. 4,815,182, 3-28-89, Cl. 29-91.000.

Langas, Arthur; Ayres, Donald B.; and Gustafson, Glenn H., to Hartco Company. Apparatus and method for automatically securing borderwires on mattress innersprings. 4,829,643, 5-16-89, Cl. 29-91.000.

Langbein, Dieter: *See—*
  Grunthaler, Karl-Heinz; Langbein, Dieter; Nilmen, Fehmi; and Winter, Heinrich, 4,818,283, Cl. 75-247.000.

Langberg, Edwin, to Sensor Electronics, Inc. Piezopolymer actuators. 4,879,698, 11-7-89, Cl. 367-140.000.

Langbow Limited: *See—*
  Langley, Geoffrey T., 4,843,861, Cl. 72-306.000.

Langdale, Wayne A.: *See—*
  Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Said, George; and Langdale, Wayne A., 4,803,187, Cl. 502-200.000.
  Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Said, George; and Langdale, Wayne A., 4,859,798, Cl. 568-399.000.

Langdon, David W.; and Sharratt, Michael J., to Force Control Industries, Inc. Liquid cooled brake unit. 4,821,847, 4-18-89, Cl. 188-171.000.

Langdon, John D.: *See—*
  Pidde, Victor S.; and Langdon, John D., 4,807,888, Cl. 273-392.000.

Langdon, Robert S. Instrument sterilization rack. 4,865,821, 9-12-89, Cl. 422-300.000.

Langdon, Roger M.; and Smith, Cyril, to General Electric Company p.l.c., The. Magnetometer having coil formed by two spiral shaped conductors. 4,887,033, 12-12-89, Cl. 324-253.000.

Lange, Arno; Wuerzer, Bruno; and Meyer, Norbert, to BASF Aktiengesellschaft. Diphenyl ether derivatives, their preparation and their use for controlling undesirable plant growth. 4,889,554, 12-26-89, Cl. 71-118.000.

Lange, Bernard: *See—*
  Hoying, John F.; and Lange, Bernard, 4,840,358, Cl. 267-140.100.

Lange, Clark V.; Thayer, Bruce E.; and Wysocky, John M., to Xerox Corporation. Cleaning apparatus for a charge retentive surface. 4,819,026, 4-4-89, Cl. 355-15.000.

Lange, Edwin L., to Kenneth G. Kavanagh; and Edward I. Kavanagh. Security device. 4,881,768, 11-21-89, Cl. 292-251.000.

Lange, Ernst W.; Scholl, Karl; and Vespermann, Dieter, to Mannesmann AG. Pressure vessel. 4,884,708, 12-5-89, Cl. 220-3.000.

Lange, Fritz; Busch, Peter; and Thiele, Klaus, to Henkel Kommanditgesellschaft auf Aktien. Quaternary ammonium compounds. 4,874,554, 10-17-89, Cl. 260-404.000.

Lange, Fritz: *See—*
  Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.
  Hoeffkes, Horst; Lange, Fritz; and Giede, Karl, 4,820,511, Cl. 424-70.000.
  Schmid, Karl H.; Meffert, Alfred; and Lange, Fritz, 4,832,868, Cl. 252-356.000.
  Veitenhansl, Rudolf; Waltenberger, Peter; Lange, Fritz; Uphues, Guenter; and Ploog, Uwe, 4,883,604, Cl. 252-8.900.

Lange, Georg. Chance game machine. 4,824,113, 4-25-89, Cl. 273-144.00B.

Lange, Gerald R., to Eastman Kodak Company. Method and apparatus for measuring optical retardation in transparent materials. 4,801,798, 1-31-89, Cl. 250-225.000.

Lange, Gosta. Control system for electrochemical protection on submersible metal structures. 4,826,577, 5-2-89, Cl. 204-1.00T.

Lange, Gregory A.; McManamen, John P.; and Schliesing, John A., to United States of America, National Aeronautics and Space Administration. Docking mechanism for spacecraft. 4,858,857, 8-22-89, Cl. 244-161.000.

Lange, Hans: *See—*
  Geisler, Edda; Feuerstein, Helmut; and Lange, Hans, 4,847,196, Cl. 435-26.000.

Lange, Hans-Willi: *See—*
  Mellwig, Dieter; and Lange, Hans-Willi, 4,835,815, Cl. 16-35.00R.

Lange, Heinz; Heins, Hans-Peter; and Jendricke, Hermann, to AEG Olympia Aktiengesellschaft. Reloadable ribbon cassette system. 4,854,755, 8-8-89, Cl. 400-208.100.

Lange, Heinz: *See—*
  Moses, Klaus; and Lange, Heinz, 4,813,072, Cl. 379-388.000.

Lange, Horst: *See—*
  Schwirtlich, Ingo; Lange, Horst; and Kannchen, Werner, 4,837,376, Cl. 423-348.000.

Lange International S.A.: *See—*
  Courvoisier, Guy; and Arieh, Simon, 4,852,222, Cl. 24-68.0SK.
  Dodge, David; and Lanvers, Jean-Francois, 4,841,650, Cl. 36-119.000.
  Dodge, David J., 4,839,973, Cl. 36-121.000.
  Marxer, Herbert, 4,796,337, Cl. 24-68.0SK.
  Marxer, Herbert, 4,821,433, Cl. 36-121.000.

Lange, Juergen: *See—*
  Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert; Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,836,130, Cl. 118-76.000.
  Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert; Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,848,266, Cl. 118-76.000.

Lange, Karl-Heinz: *See—*
  Steinhauer, Eric; and Lange, Karl-Heinz, 4,805,638, Cl. 128-774.000.

Lange, Lawrence T., to Lauronics, Inc. Ion volume ring. 4,816,685, 3-28-89, Cl. 250-427.000.

Lange, Ludwig: *See—*
  Hinrichs, Walter; Hovestadt, Herbert; Lange, Ludwig; Ruppert, Kurt A.; and Splett, Erich, 4,857,665, Cl. 568-851.000.

Lange, Michael D.; Smith, Nicholas K.; and Willems, Carl, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Method and apparatus for providing virtual facility communication service. 4,802,199, 1-31-89, Cl. 379-221.000.

Lange, Norbert: *See—*
  Lorenzen, Heinz C.; Pinck, Peter; and Lange, Norbert, 4,889,140, Cl. 131-281.000.

Lange, Olaf. Interchangeable track exercising device. 4,842,270, 6-27-89, Cl. 272-117.000.

Lange, Peter: *See—*
  Ziebach, Helmut; and Lange, Peter, 4,881,570, Cl. 137-454.200.

Lange, Rainer: *See—*
  Popescu, Ian C.; and Lange, Rainer, 4,877,059, Cl. 137-637.100.

Lange, Richard M., to Lubrizol Corporation, The. Polysuccinate esters and lubricating compositions comprising same. 4,839,068, 6-13-89, Cl. 252-33.600.

Lange, Roger W.; Sowman, Harold G.; and Kang, Soon-Kun, to Minnesota Mining and Manufacturing Company. Silica coating. 4,816,333, 3-28-89, Cl. 428-331.000.

Lange, Ronald E.: *See—*
  Porter, Marion G.; Webster, Marvin K.; and Lange, Ronald E., 4,831,622, Cl. 371-10.000.

Lange, Walter F.: *See—*
  Arnold, Anthony F.; Corso, Joseph A.; Kapur, Shukla; Lange, Walter F.; and Shih, Da-Yuan, 4,835,593, Cl. 357-71.000.
  Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.

Lange, William J.: *See—*
  Fey, Maurice G.; Lange, William J.; Freidhoff, Carl B.; and Slade, Paul G., 4,880,947, Cl. 200-144.00B.

Lange, William L.: *See—*
  Lee, Kuan M.; Lange, William L.; and Livingston, Stan W., 4,818,958, Cl. 333-114.000.

Langecker, Gunter, to Battenfeld GmbH. Method of injection molding of thermoplastic materials using the optimum injection flow rate pattern. 4,849,143, 7-18-89, Cl. 264-40.100.

Langecker, Gunter, to Battenfeld Fischer Blasformtechnik GmbH. Method for producing hollow articles of thermoplastic materials. 4,883,630, 11-28-89, Cl. 264-513.000.

Langeland, Jan-Age; Gjestrum, Einar; and Bjerkoy, Rolf, to Geco A.S. Arrangement for deployment of seismic cables. 4,798,156, 1-17-89, Cl. 114-242.000.

Langelier, Yves: *See—*
  Cohen, Eric A.; Gaudreau, Pierrette; Michaud, Jacques; Brazeau, Paul; and Langelier, Yves, 4,795,740, Cl. 514-14.000.

Langen, Christianus P., to Langen Research B.V. Apparatus for packing and processing a meat product. 4,829,741, 5-16-89, Cl. 53-122.000.

Langen, Christianus P., to Langen Research B.V. Apparatus for packing and processing a meat product. 4,844,404, 7-4-89, Cl. 249-82.000.

Langen, Christianus P.; and Langen, Johannes C., to Langen Research B.V. Method and device for boning meat portions. 4,862,558, 9-5-89, Cl. 17-1.00G.

Langen, Hans: *See—*
  Zimmer, Erich; Langen, Hans; and Scharf, Kurt, 4,859,368, Cl. 252-629.000.

Langen, Herbert, to Eberspaecher, J. Cooling water heater for internal combustion engines. 4,862,846, 9-5-89, Cl. 123-142.50R.

Langen, Jacobus J., to H. J. Langen & Sons Limited. Apparatus for cooling pieces of meat. 4,864,923, 9-12-89, Cl. 99-533.000.

Langen, Johannes C.: *See—*
  Langen, Christianus P.; and Langen, Johannes C., 4,862,558, Cl. 17-1.00G.

Langen, Manfred; and Fink, Heinz, to Palitex Project Company GmbH. Automated textile thread processing system. 4,856,270, 8-15-89, Cl. 57-281.000.

Langen, Manfred: *See—*
  Rohner, Joachim, deceased; Langen, Manfred; and Gebald, Gregor, 4,846,414, Cl. 242-35.50A.

Langen, Marinus J. M.; and Guttinger, Peter, to H. J. Langen & Sons Limited. Carton end closure. 4,805,375, 2-21-89, Cl. 53-142.000.

Langen, Marinus J. M.; and Guttinger, Peter, to H. J. Langen & Sons Limited. Load accumulator for carton loading machine. 4,835,947, 6-6-89, Cl. 53-542.000.

Langen, Marinus J. M.; and Guttinger, Peter, to H. J. Langen & Sons Limited. Carton end closure. 4,871,070, 10-3-89, Cl. 206-591.000.

Langen, Marinus J. M.; Guttinger, Peter; and Borza, Mihai M., to H. J. Langen & Sons Limited. Packaging machinery and a method of making a wrap-around shipper package. 4,872,301, 10-10-89, Cl. 53-133.000.

Langen, Marinus J. M.; and Guttinger, Peter, to H. J. Langen & Sons Limited. Carton loading machines. 4,879,860, 11-14-89, Cl. 53-247.000.

Langen Research B.V.: *See—*
  Langen, Christianus P., 4,829,741, Cl. 53-122.000.
  Langen, Christianus P., 4,844,404, Cl. 249-82.000.
  Langen, Christianus P.; and Langen, Johannes C., 4,862,558, Cl. 17-1.00G.

Langenbach, George; and Lagenbach, John F. Security door lock. 4,844,521, 7-4-89, Cl. 292-143.000.

Langenbach, Michael; Cremer, Dirk; and Koppen, Reinhard, to Mistral Windsurfing AG. Surf-riding board or sailing board. 4,887,986, 12-19-89, Cl. 441-74.000.

Langenbahn, Albert E. Drive-up electrical receptacle. 4,850,879, 7-25-89, Cl. 439-10.000.

Langenbeck, Keith A. Tray for storing and transporting beverage containers and the like. 4,834,243, 5-30-89, Cl. 206-557.000.

Langenbeck, Keith A. Tray for storing and transporting beverage containers and the like. 4,872,560, 10-10-89, Cl. 206-557.000.

Langenbeck, Sharon L.; and Hildeman, Gregory J., to Lockheed Corporation. Aluminum alloy. 4,799,978, 1-24-89, Cl. 148-437.000.

Langenberg, Hans, to Blohm & Voss AG. Ship's hull for small vessels and high speeds. 4,843,989, 7-4-89, Cl. 114-56.000.

Langendonk, David P.: *See—*
  Range, Michael E.; and Langendonk, David P., 4,842,192, Cl. 236-68.00B.

Langendorf, Brian K.; and Johnson, Neil J., to Prime Computer, Inc. Branch cache system with instruction boundary determination independent of parcel boundary. 4,860,197, 8-22-89, Cl. 364-200.000.

Langendorf, Brian K.; and Beckwith, Robert F., to Prime Computer, Inc. Hashing indexer for branch cache. 4,860,199, 8-22-89, Cl. 364-200.000.

Langenfeld, Joseph W.; and Westendorf, Neal W., to Westendorf Mfg. Co., Inc. Loader device for a tractor. 4,797,051, 1-10-89, Cl. 414-686.000.

Langenfeld, Joseph W.; and Westendorf, Neal W., to Westendorf Manufacturing Co., Inc. Material handling attachment for a tractor having a multiple-point hitch assembly. 4,859,130, 8-22-89, Cl. 414-703.000.

- Langenfeld, Joseph W.; and Westendorf, Neal W., to Westendorf Mfg. Co., Inc. Extension arm assembly for a tractor loader. 4,887,939, 12-19-89, Cl. 414-722.000.
- Langenfeld, Norbert: *See—*
  - Blank, Heinz U.; Langenfeld, Norbert; and Heydkamp, Wolfgang, 4,880,576, Cl. 562-828.000.
- Langenhahn, Lutz; Mooshammer, Alfred; and Fischer, Georg, to Benz & Hilgers GmbH. Device for the simultaneous quantitative regulated filling of liquid or soft plasticized substances, such as butter, margarine, pastes or the like by means of nozzles into adjacently arranged containers. 4,830,068, 5-16-89, Cl. 141-266.000.
- Langenstein & Schemann GmbH: *See—*
  - Hofmann, Gunter; and Ruger, Herbert, 4,831,861, Cl. 72-354.000.
- Langenthal, Wolfram V.: *See—*
  - Henning, Wolfgang; Langenthal, Wolfram V.; Perrey, Hermann; and Striegler, Hellmut, 4,888,379, Cl. 524-500.000.
- Langer, Alexander G. Gliding fishing lure. 4,845,883, 7-11-89, Cl. 43-42.000.
- Langer, Alois A.; and Rinne, Albert W., to Liebel-Flarsheim Company. Injector control. 4,812,724, 3-14-89, Cl. 318-599.000.
- Langer, Friedrich H., to Weatherford U.S., Inc. Reticulated centralizing apparatus. 4,794,986, 1-3-89, Cl. 166-241.000.
- Langer, Hans-Joachim: *See—*
  - Abthoff, Joerb; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, 4,852,349, Cl. 60-303.000.
  - Abthoff, Joerg; Schuster, Hans-Dieter; Langer, Hans-Joachim; Strohmer, Erwin; Gabler, Rolf; and Schulte, Roland, 4,876,852, Cl. 60-275.000.
- Langer, Heimo J.: *See—*
  - Gruber, Bruce A.; Langer, Heimo J.; and Dunnayant, William R., 4,847,308, Cl. 523-139.000.
  - Jhaveri, Satish S.; Dunnavant, William R.; and Langer, Heimo J., 4,884,620, Cl. 164-15.000.
- Langer, Horst G.: *See—*
  - Fellmann, Jere D.; and Langer, Horst G., 4,845,069, Cl. 502-208.000.
- Langer, Karen J. Container. 4,809,907, 3-7-89, Cl. 229-145.000.
- Langer, Matthew E.; Schissel, David N.; and Yeager, Gary W., to General Electric Company. Liquid crystalline polyesters. 4,845,184, 7-4-89, Cl. 528-193.000.
- Langer, Matthew E.: *See—*
  - Schissel, David N.; Langer, Matthew E.; and Yeager, Gary W., 4,847,351, Cl. 528-193.000.
- Langer, Peter: *See—*
  - Ballou, Richard; Belyeu, Stanley M.; Boscove, Joseph A.; Kurtz, Hobart L.; Langer, Peter; McNeill, Andrew B.; Reid, Bernard M.; and Rodriguez, Herman, 4,811,240, Cl. 364-518.000.
- Langer, Robert S.; Domb, Abraham J.; and Laurencin, Cato T., to Massachusetts Institute of Technology. Controlled drug delivery high molecular weight polyanhydrides. 4,888,176, 12-19-89, Cl. 424-426.000.
- Langer, Robert S.: *See—*
  - Bernstein, Howard; Wheatley, Margaret A.; and Langer, Robert S., 4,863,611, Cl. 210-661.000.
  - D'Amore, Patricia; Leong, Kam W.; and Langer, Robert S., 4,886,870, Cl. 528-206.000.
  - Domb, Abraham J.; and Langer, Robert S., 4,857,311, Cl. 424-78.000.
  - Folkman, Moses J.; Hannan, Robert L.; Thompson, Robert W.; and Langer, Robert S., 4,795,703, Cl. 435-13.000.
  - Freed, Lisa E.; Kadam, Jill R. C.; Drinker, Philip A.; Thebeau, J. Richard; and Langer, Robert S., 4,846,786, Cl. 604-4.000.
  - Kohn, Joachim; and Langer, Robert S., 4,806,621, Cl. 528-211.000.
  - Kohn, Joachim B.; Langer, Robert S.; Niemi, Steven M.; and Fox, James G., 4,863,735, Cl. 424-422.000.
  - Mathiowitz, Edith; and Langer, Robert S., 4,861,627, Cl. 427-213.310.
- Langer, Rudolf, to Lindauer Dornier Gesellschaft mbH. Blower arrangement for blowing a treatment medium onto a longitudinally moving material web. 4,809,446, 3-7-89, Cl. 34-156.000.
- Langer, Rudolf: *See—*
  - Dornier, Peter; Langer, Rudolf; and Maierhofer, Hans-Jurgen, 4,815,181, Cl. 26-91.000.
  - Dornier, Peter; Langer, Rudolf; Troetscher, Gerhard; and Hecht, Anton, 4,823,479, Cl. 34-210.000.
- Langer, Ruth. Scaffold system. 4,867,274, 9-19-89, Cl. 182-179.000.
- Langer, Salomon, to Synthelabo. Pharmaceutical compositions based on diltiazem and lysine acetylsalicylate. 4,806,530, 2-21-89, Cl. 514-161.000.
- Langer, Stanley H.; Foral, Michael J.; and Card, John C. Method for modifying electrocatalyst material, electrochemical cells and electrodes containing this modified material, and synthesis methods utilizing the cells. 4,818,353, 4-4-89, Cl. 204-74.000.
- Langer, William J., to MTS Systems Corporation. Roadway loading simulator. 4,862,737, 9-5-89, Cl. 73-117.000.
- Langerman, David W. "Spare parts" for use in ophthalmic surgical procedures. 4,888,016, 12-19-89, Cl. 623-6.000.
- Langert, Albert: *See—*
  - Erben, Ralf; Langert, Albert; Madzgalla, Frank-Wilhelm; and Madzgalla, Hans-Georg, 4,860,858, Cl. 188-71.800.
- Langert, H. Edward. Golf club head. 4,809,983, 3-7-89, Cl. 273-167.00E.
- Langert, William E.: *See—*
  - Kuper, Jerry W.; Langert, William E.; and Barrett, Joseph J., 4,858,242, Cl. 372-72.000.
- Langfeldt, Folkhart: *See—*
  - Kochert, Wilfried; and Langfeldt, Folkhart, 4,845,768, Cl. 382-46.000.
- Langford, Alison A.: *See—*
  - Tsuo, Simon; and Langford, Alison A., 4,816,294, Cl. 427-531.000.
- Langford, Cooper H.; Mak, Mark K. S.; and Crouch, Andrew M., to Canadian Patents and Development Limited -Societe Canadienne des Brevets et D'Exploitation Limitee. Composite photocatalyst for refractory waste degradation. 4,806,514, 2-21-89, Cl. 502-159.000.
- Langford, Ellen A.: *See—*
  - Stautzenberger, A. Lee; Langford, Ellen A.; and Quick, Edward E., 4,868,324, Cl. 560-78.000.
- Langford, Francis L., Jr.: *See—*
  - Impink, Albert J., Jr.; Langford, Francis L., Jr.; Grobmyer, Louis R.; and Luinetti, William K., 4,877,575, Cl. 376-216.000.
- Langford, Frederic E., to Allied Systems Company. Tree feller-buncher. 4,823,852, 4-25-89, Cl. 144-3.00D.
- Langford, James W., Jr., to Dresser Industries, Inc. Roller drill bit having radial-thrust pilot bushing incorporating anti-galling material. 4,875,532, 10-24-89, Cl. 175-371.000.
- Langford, Stephen R.; and Pollinger, Herbert H., to Cardinal Scale Manufacturing Company. Weigh scale with digital and discrete fractional weight indicators. 4,825,966, 5-2-89, Cl. 177-177.000.
- Langford, Virgil, to Montana Refining Company. Process for treating hydrocarbons containing mercaptans. 4,875,997, 10-24-89, Cl. 208-235.000.
- Langh, Stig A.: *See—*
  - Johansson, Roland T. W.; Langh, Stig A.; and Madsen, Knud, 4,851,737, Cl. 315-8.000.
- Langham, Adrian: *See—*
  - Manor, Shalom; Pipko, Grigori; Langham, Adrian; Friedman, Nitza; and Steiner, Amalia, 4,836,995, Cl. 423-309.000.
- Langham, Maurice E., to Ocular Blood Flow Laboratories, Inc. Pneumatic pressure probe. 4,883,056, 11-28-89, Cl. 128-645.000.
- Langhans, Gerhard P.; Fett, Jurgen; and Oelschlager, Karl G., to Rexnord Kette GmbH & Co KG. Curved path chain conveyor. 4,823,939, 4-25-89, Cl. 198-805.000.
- Langhorst, Marsha L., to Dow Chemical Company, The. Multicapillary gas chromatography column. 4,818,264, 4-4-89, Cl. 65-4.300.
- Langhorst, Martin A.: *See—*
  - Cutie, Sergio S.; Langhorst, Martin A.; and Wood, Stewart P., 4,854,700, Cl. 356-72.000.
- Langkau, John: *See—*
  - Georgopoulos, Philip; and Langkau, John, 4,855,195, Cl. 429-54.000.
- Langlais, George O.; Wang, Pat Y. H.; and Chaplick, Joseph S., to Nashua Corporation. High solids content CB coating. 4,822,4 4-18-89, Cl. 106-21.000.
- Langlais, George O.; Wang, Pat Y. H.; and Chaplick, Joseph S., to Nashua Corporation. High solids content coated back paper. 4,822,769, 4-18-89, Cl. 503-214.000.
- Langlais, Joel; and Paumard, Maurice, to Schlumberger Industries. Vandal resistant read/write device for electronic memory cards. 4,873,425, 10-10-89, Cl. 235-441.000.
- Langler, James E., to General Mills, Inc. Dual textured food piece of enhanced stability. 4,847,098, 7-11-89, Cl. 426-102.000.
- Langler, James E., to General Mills, Inc. Dual textured food piece of enhanced stability. 4,853,236, 8-1-89, Cl. 426-102.000.
- Langley, Frank J., to GenRad, Inc. Apparatus for testing light-emitting devices using probe means having a preselected pattern arrangement. 4,808,815, 2-28-89, Cl. 250-227.000.
- Langley, Geoffrey T., to Langbow Limited. Bending machine. 4,843,861, 7-4-89, Cl. 72-306.000.
- Langley, Graham A.: *See—*
  - Franks, Nicholas; and Langley, Graham A., 4,879,751, Cl. 381-119.000.
- Langley, John: *See—*
  - Flesher, Peter; Langley, John; Rosier, Norma; and Farrar, David, 4,859,720, Cl. 523-332.000.
- Langley, John D., to Kappler Safety Group. Composite chemical barrier fabric. 4,833,010, 5-23-89, Cl. 428-287.000.
- Langley, John D., to Du Pont de Nemours, E. I., and Company. Composite chamical barrier fabric. 4,855,178, 8-8-89, Cl. 428-287.000.
- Langley, John G.: *See—*
  - Farrar, David; Langley, John G.; and Allen, Adrian S., 4,835,20 Cl. 524-457.000.
- Langley, John R.: *See—*
  - Arvin, Paul; and Langley, John R., 4,826,078, Cl. 238-14.140.
- Langley, Keith W.; and Washbourn, Jack, to Westinghouse Brake & Signal Holdings Ltd. Tread brake unit. 4,875,559, 10-24-89, Cl. 188-203.000.
- Langley, Kenneth R.: *See—*
  - Kernon, John D.; Langley, Kenneth R.; and Thatcher, Mark R., 4,854,821, Cl. 416-95.000.
- Langley, Lawrence W. Eddy current clearance transducing system. 4,847,556, 7-11-89, Cl. 324-207.000.
- Langley, Philip, to Imperial Chemical Industries PLC. Process for the production of ethylene oxide. 4,847,393, 7-11-89, Cl. 549-523.000.
- Langley, Robert; Stewart, John D.; and Walls, Arthur S., to Ciba-Geigy Corporation. Production of pigmentary copper phthalocyanine. 4,801,634, 1-31-89, Cl. 524-88.000.
- Langley, Robert; Stewart, John D.; and Walls, Arthur S., to Ciba-Geigy Corporation. Production of pigmentary copper phthalocyanine. 4,801,638, 1-31-89, Cl. 524-88.000.

- Langley, Steven P.: *See—*
  - Spahn, James G.; Langley, Steven P.; and Jacobs, Michael L., 4,887,715, Cl. 206-370.000.
- Langley, William H.; Yeatts, Roy E.; Hein, Carl C., III; and Koschak, Matthew S., to R. J. Reynolds Tobacco Company. Barrier sealed packages for cigarettes and other smoking articles. 4,807,745, 2-28-89, Cl. 206-245.000.
- Langli, Ola K. Strike trap for catching mice and rats. 4,852,294, 8-1-89, Cl. 43-81.000.
- Langlie, Ronald H.; and Berg, Jon A., to North Central Plastics, Incorporated. Electric fence insulator for holding various conductor types, including tape-type. 4,883,923, 11-28-89, Cl. 174-158.00F.
- Langlois, Bernard, to Rhone-Polenc Specialites Chimoues. Process for preparing trifluoroethoxybenzene or trifluoroethylthiobenzene. 4,816,596, 3-28-89, Cl. 358-423.000.
- Langlois, Bernard: *See—*
  - Amiet, Louis; and Langlois, Bernard, 4,883,904, Cl. 560-174.000.
  - Desbois, Michel; and Langlois, Bernard, 4,837,364, Cl. 568-43.000.
  - Tordeux, Marc; Langlois, Bernard; and Wakselman, Claude, 4,866,190, Cl. 556-111.000.
- Langlois, Jean-Pierre M. F.; and Lecerf, Michel J., to Briot International. Machines for grinding and bevelling ophthalmic glasses. 4,829,715, 5-16-89, Cl. 51-101.0LG.
- Langlois, Michael P.: *See—*
  - Horton, Gilbert L.; Borst, William A.; Respess, Herman M.; Langlois, Michael P.; Poole, Eddie D.; and Swaim, J. E., 4,809,482, Cl. 53-131.000.
- Langlois, Raymond: *See—*
  - Gladstone, David H.; Langlois, Raymond; and Robertson, William J., 4,843,946, Cl. 89-15.000.
- Langlois, Roger: *See—*
  - Ouillon, Rene; and Langlois, Roger, 4,856,507, Cl. 128-204.260.
- Langmeier, James R.; Chehab, Mohamed N. H.; De Caluwe, Robert C. J. M.; Hertogs, Willy A. M.; Van den Broeck, Jean B. A.; and van Loon, Miriam H. J. M., to Procter & Gamble Company, The. Easy-open/reclosure device having deformable pour spout. 4,807,787, 2-28-89, Cl. 222-529.000.
- Langner, Bernd; May, Artur; and Wilde, Rene-Holger, to Norddeutsche Affinerie Aktiengesellschaft. Process for producing nonferrous metal powder. 4,818,280, 4-4-89, Cl. 75-0.50A.
- Langner, Bernd; Stantke, Peter; Reinking, Ernst-Friedrich; and Kunst, Gunther, to Norddeutsche Affinerie Aktiengesellschaft. Method of measuring the effective inhibitor concentration during a deposition of metal from aqueous electrolytes and test apparatus therefor. 4,834,842, 5-30-89, Cl. 204-1.00T.
- Langner, Carl G., to Shell Oil Company. Seismic float recovery system. 4,798,158, 1-17-89, Cl. 114-253.000.
- Langner, Carl G.; and Esparza, Joe O., to Shell Oil Company. Apparatus for making helical flowline bundles. 4,843,713, 7-4-89, Cl. 29-799.000.
- Langner, Dietrich: *See—*
  - Geiger, Rolf; Teetz, Volker; Langner, Dietrich; Urbach, Hansjorg; and Henning, Rainer, 4,822,894, Cl. 548-252.000.
- Langner, Guenther O.; and Harte, Kenneth J., to Control Data Corporation. Electron beam source employing a photo-emitter cathode. 4,820,927, 4-11-89, Cl. 250-492.200.
- Langner, Horst: *See—*
  - Roscher, Gunter; Schmidt, Karl H.; Hey, Hansjorg; Langner, Horst; and Andereya, Erwin, 4,818,347, Cl. 203-42.000.
- Langner, Klaus, to Korf Engineering GmbH. Process for compacting iron particles and subsequent breaking apart of the compacted iron band. 4,804,319, 2-14-89, Cl. 425-79.000.
- Langner, Klaus: *See—*
  - Hauk, Rolf; Papst, Gero; Langner, Klaus; Nagl, Michael; Kepplinger, Werner; and Seirlehner, Leopold, 4,805,880, Cl. 266-87.000.
- Langren, Carl W.: *See—*
  - Bonstead, Douglas L.; Mastin, Ronald D.; and Langren, Carl W., 4,846,522, Cl. 296-91.000.
- Langrick, David J.; and Smith, Mark, to Willett International Limited. Method and device for measuring the viscosity of an ink. 4,856,322, 8-15-89, Cl. 73-56.000.
- Langridge, John R.: *See—*
  - Harrison, Paul J.; Langridge, John R.; and Potter, Christopher J., 4,806,361, Cl. 424-495.000.
- Langsam, Michael, to Air Products and Chemicals, Inc. Process for controlling the molecular weight of poly(trialkylsilylpropyne) polymers. 4,808,679, 2-28-89, Cl. 526-126.000.
- Langsam, Michael, to Air Products and Chemicals, Inc. Catalyst and process for the preparation of tri-substituted silylalkynes. 4,835,229, 5-30-89, Cl. 526-147.000.
- Langsam, Michael; Puri, Pushpinder S.; Anand, Madhu; and Laciak, Daniel V., to Air Products and Chemicals, Inc. Polymeric membrane for gas separation. 4,859,215, 8-22-89, Cl. 55-16.000.
- Langsam, Stuart. Bullet trap and a method of using it. 4,846,043, 7-11-89, Cl. 89-1.100.
- Langsdorf, Karlheinz: *See—*
  - Brehm, Gerhard; Langsdorf, Karlheinz; Niedermeier, Johann; and Glas, Johann, 4,844,047, Cl. 125-13.00R.
- Langseder, Neal E.: *See—*
  - Wilkinson, Harlen E.; and Langseder, Neal E., 4,809,861, Cl. 220-66.000.
- Langset, Glen M.: *See—*
  - Gilmour, Joseph T. O.; Langset, Glen M.; and Gilmour, Borden T. N., 4,813,843, Cl. 414-678.000.
- Langsetmo, Peder K.; Inoue, Masayuki; Douglas, Robert A.; Koenig, Peter M.; and Halasz, Alex, to Berwind Corporation. Mixer. 4,810,099, 3-7-89, Cl. 366-168.000.
- Langshaw, Bernard, to Marathon Oil Company. Assembly for and a method of absorbing impact shock loads. 4,830,347, 5-16-89, Cl. 267-141.000.
- Langslet, Eric B. Ball capturing tennis net assembly. 4,886,268, 12-12-89, Cl. 273-29.00A.
- Langston, Chandos E., Jr.: *See—*
  - Woodwell, Thornton G.; and Langston, Chandos E., Jr., 4,832,574, Cl. 416-244.00A.
- Langston, Marcus C., to University of Arkansas. Electro-optic force and pressure transducer and sensor. 4,814,562, 3-21-89, Cl. 250-227.000.
- Langston, Ralph C. Method for pulling multiple runs of fiber optic cable. 4,875,661, 10-24-89, Cl. 254-134.3FT.
- Langston, Randy P. Turkey call with sound chamber. 4,846,753, 7-11-89, Cl. 446-397.000.
- Langston, Terrance: *See—*
  - Vees, Frederick; and Langston, Terrance, 4,867,086, Cl. 112-262.300.
- Langton, Douglas W.: *See—*
  - McCormick, Walter A.; Langton, Douglas W.; Kellum, James; McKelvy, Steve; and Phillips, Greg, 4,817,934, Cl. 271-296.000.
- Langton, Richard L.: *See—*
  - Derry, Robert W.; and Langton, Richard L., 4,847,855, Cl. 372-94.000.
- Languillat, Jean-Paul, to Lhomme S.A. Tube truncation apparatus and method. 4,889,023, 12-26-89, Cl. 82-92.000.
- Lanham, Bryan, to Beloit Corporation. Chip slicer improvement. 4,858,834, 8-22-89, Cl. 241-85.000.
- Lanham, Robert L.: *See—*
  - Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,859,513, Cl. 428-34.200.
  - Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,880,701, Cl. 428-34.200.
  - Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,888,222, Cl. 428-34.200.
- Laniado, Josephe; and Har-El, Moshe. Sunblind. 4,848,437, 7-18-89, Cl. 160-370.200.
- Lanico-Maschinenbau Otto Niemsch Gesellschaft mit beschrankter Haftung: *See—*
  - Bauermeister, Kurt, 4,817,409, Cl. 72-94.000.
  - Pass, Hans-Uwe, 4,838,064, Cl. 72-84.000.
- Lanier Business Products, Inc.: *See—*
  - Kish, John W.; Alcorn, John S.; and Burleson, David B., 4,868,738, Cl. 364-200.000.
- Lanier, Caroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, to Ethyl Corporation. Production of foamed polymer structures. 4,855,331, 8-8-89, Cl. 521-184.000.
- Lanier, Carroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, to Ethyl Corporation. Production of foamed polymer structures. 4,822,537, 4-18-89, Cl. 264-26.000.
- Lanier, Carroll W.: *See—*
  - Broemmelsiek, H. Eugene; Lee, Raymond; and Lanier, Carroll W., 4,877,563, Cl. 264-26.000.
  - Lee, Raymond; Lanier, Carroll W.; and Broemmelsiek, H. Eugene, 4,804,504, Cl. 264-26.000.
- Lanier, William G., to Mead Corporation, The. Glue bond tester. 4,862,740, 9-5-89, Cl. 73-150.00A.
- LaNieve, H. Leslie: *See—*
  - McNally, Donal; LaNieve, H. Leslie; and Costanzo, Jerome L., 4,880,866, Cl. 524-504.000.
- Lanigan, John J., Jr.; Glickman, Myron; and Ermel, Bernard A., to Mi-Jack Products Inc. Side shift grappler. 4,877,365, 10-31-89, Cl. 414-459.000.
- Laninga, Albert J.; and Baxter, Marjorie S., to Motorola, Inc. Curing oven system for semiconductor devices. 4,830,609, 5-16-89, Cl. 432-77.000.
- Lanini, Marco: *See—*
  - Periard, Jacques; Staub, Hans R.; and Lanini, Marco, 4,808,324, Cl. 252-23.000.
- Lanius, Charles A., to Flambeau Corporation. Container including variable position compartment dividers. 4,838,445, 6-13-89, Cl. 220-22.300.
- Lanius, Charles A., to Flambeau Corporation. Toy including centrifugal switch. 4,867,727, 9-19-89, Cl. 446-242.000.
- Lankelis, William M.: *See—*
  - Kennedy, James C.; Lankelis, William M.; Puckett, Edward L.; and Young, Fred D., 4,848,159, Cl. 73-641.000.
- Lankhorst Recycling B.V.: *See—*
  - Kuipers, Sytze A., 4,848,247, Cl. 108-52.100.
- Lankl, Berthold: *See—*
  - Nossek, Josef A.; Sebald, Georg; Lankl, Berthold; and Boshold, Klaus, 4,800,572, Cl. 375-14.000.
- Lankreijer, Wilhelm: *See—*
  - Baureis, Hans-Paul; Bickle, Wolfgang; and Lankreijer, Wilhelm, 4,836,695, Cl. 384-276.000.
- Lankry, Julien J. L. Screwdriving tool. 4,867,019, 9-19-89, Cl. 81-474.000.
- Lanne, Bert R.: *See—*
  - Granberg, Bertil; and Lanne, Bert R., 4,810,964, Cl. 324-207.000.

- Lannerd, Robert F.; and Murphy, David K., to ERA Aviation, Inc. Auxiliary fuel tanks for aircraft. 4,860,972, 8-29-89, Cl. 244-135.00R.
- Lannert, James W.; Studinski, Robert A.; and Walter, Florian A., to Lyon Metal Products, Incorporated. Cabinet with latch mechanism. 4,804,876, 2-14-89, Cl. 312-221.000.
- Lannes, Andre, to Commissariat A L'Energie Atomique. Apparatus for the remote localization of radioactive sources. 4,797,701, 1-10-89, Cl. 354-288.000.
- Lanning, Thomas R.: *See—*
  - Cooper, Bret A.; Havanas, William H.; Lanning, Thomas R.; and Martinka, Mark A., 4,866,763, Cl. 379-221.000.
- Lannom, James W.: *See—*
  - Genovese, Frank C.; and Lannom, James W., 4,859,913, Cl. 315-169.400.
- Lannon, Anthony M.: *See—*
  - Armstrong, Fraser A.; and Lannon, Anthony M., 4,857,152, Cl. 204-1.00T.
- Lanoiselee, Roger; Dropsy, Philippe; and Roman, Patrick, to Societe Continentale du Carton Ondule-Socar. Machine for thermoforming an imprevious film inside a cardboard container for packaging a foodstuff to be preserved and for closing the container. 4,862,671, 9-5-89, Cl. 53-167.000.
- Lansdorp, Peter M. Immunological antibody complex, its preparation and its use. 4,868,109, 9-19-89, Cl. 435-28.000.
- Lansdowne, David L.: *See—*
  - Hostetler, Dewey L.; Lansdowne, David L.; and Hershberger, Howard O., 4,869,054, Cl. 56-6.000.
- Lanser, Michael L.; and VandenBerge, Thomas C., to Prince Corporation. Visor control. 4,828,313, 5-9-89, Cl. 296-97.120.
- Lansing, James P., to JVJ Enterprises, Inc. Semiautomatic frying machine and air filter apparatus therefor. 4,852,471, 8-1-89, Cl. 99-330.000.
- Lansing, James P., to JVJ Enterprises, Inc. Semiautomatic frying machine and air filter apparatus therefor. 4,883,508, 11-28-89, Cl. 55-322.000.
- Lansky, Marc A.; and Clemens, Philip M., to Jeffers, Albert L.; and Hoffman, John F., part interest to each. Universal picture support assembly having glass retaining clips. 4,821,438, 4-18-89, Cl. 40-156.000.
- Lanson Electronics, Inc.: *See—*
  - Morrow, Richard A.; Gionet, Daniel C.; Wikkerink, Lance; and Nquyen, Harry V., 4,866,881, Cl. 49-25.000.
- Lant, Danny: *See—*
  - Marchiori, Mirko; Lant, Danny; Lancerotto, Fabio; and Gerin, Umberto, 4,870,815, Cl. 57-299.000.
- Lantech, Inc.: *See—*
  - Hake, Leroy, 4,858,415, Cl. 53-438.000.
  - Lancaster, Joseph R., 4,845,920, Cl. 53-399.000.
  - Lancaster, Patrick R., III; and Lancaster, William G., 4,866,909, Cl. 53-399.000.
- Lanteri, Michael A. Combination headrest and wall with sliding window. 4,880,275, 11-14-89, Cl. 297-391.000.
- Lanthaler, Frank: *See—*
  - Linka, Adolf; Lanthaler, Frank; and Frommelt, Heinrich, 4,848,410, Cl. 139-134.000.
  - Linka, Aldof; Lanthaler, Frank; and Frommelt, Heinrich, 4,850,399, Cl. 139-436.000.
- Lanthaler, Franz: *See—*
  - Linka, Adolf; and Lanthaler, Franz, 4,817,680, Cl. 139-436.000.
- Lanthier, Patricia H.: *See—*
  - Murray, William D.; Duff, Sheldon J. B.; and Lanthier, Patricia H., 4,871,669, Cl. 435-147.000.
- Lantor B.V.: *See—*
  - Geel, Adam P., 4,818,583, Cl. 428-195.000.
- Lantor (UK) Limited: *See—*
  - Flynn, Nigel; and Clark, Nigel, 4,840,840, Cl. 428-283.000.
- Lantos, Elemer; Gyongyosi, Gyorgy; and Antal, Sandor, to Taurus Gumiipari Vallalat. Hose connecting system and method for providing the hoses with connections. 4,850,619, 7-25-89, Cl. 285-149.000.
- Lantos, Ivan: *See—*
  - Bender, Paul E.; Lantos, Ivan; McGuire, Michael A.; Pridgen, Lendon N.; and Winicov, Herbert B., 4,803,279, Cl. 546-271.000.
- Lantrua, Jean-Francois: *See—*
  - Issalene, Robert; and Lantrua, Jean-Francois, 4,872,837, Cl. 433-29.000.
- Lantz, Andre; and Michaud, Pascal, to Societe ATOCHEM. Synthesis of 1,1,2,2-tetrahydroperfluoroalkanols and their esters. 4,800,234, 1-24-89, Cl. 568-842.000.
- Lantz, Andre, to Societe Atochem. Synthesis of 2-(perfluoroalkyl) ethanethiols. 4,845,300, 7-4-89, Cl. 568-65.000.
- Lantz, Andre: *See—*
  - Cheminal, Bernard; and Lantz, Andre, 4,849,555, Cl. 570-165.000.
- Lantz, Christer: *See—*
  - Klintenstedt, Kjell; and Lantz, Christer, 4,800,367, Cl. 340-526.000.
- Lantz, Gregory W.: *See—*
  - DeVale, Donald P.; Brejcha, Robert J.; and Lantz, Gregory W., 4,836,556, Cl. 273-376.000.
- Lantz, Kenneth F.; Smolucha, Walter E.; and Struck, Leslie G., to Williams Electronics Games, Inc. Optical dual function joystick. 4,856,785, 8-15-89, Cl. 273-148.00B.
- Lantz, Kim: *See—*
  - Carden, Matthew J.; Lantz, Kim; Reh, Theresa L.; Trytten, Anne; and Lubino, Yves, 4,887,260, Cl. 370-60.000.
- Lantz, Paul W., to Rhodes, James A. Air-inflated hyperbolic paraboloidal roof. 4,858,397, 8-22-89, Cl. 52-80.000.
- Lantz, William P.: *See—*
  - Skogler, Brian I.; Schofield, Kenneth; Lantz, William P.; Nyhof, Eldon J.; Helder, Dorothy J.; and Flowerday, Charles M., 4,807,096, Cl. 362-142.000.
- Lantzsch, Reinhard; Ditgens, Klaus; Buchel, Karl H.; Reinecke, Paul and Brandes, Wilhelm, to Bayer Aktiengesellschaft. Fungicidal novel hydroxyalkynyl-azolyl derivatives. 4,818,762, 4-4-89, Cl. 514-383.000.
- Lantzsch, Reinhard; Ziemann, Heinz; and Elbe, Hans-Ludwig, to Bayer Aktiengesellschaft. Process for the preparation of hydroxybenzaldoxime O-ethers. 4,845,288, 7-4-89, Cl. 564-256.000.
- Lantzsch, Reinhard: *See—*
  - Elbe, Hans-Ludwig; and Lantzsch, Reinhard, 4,845,287, Cl. 564-256.000.
- Lanvers, Jean-Francois: *See—*
  - Dodge, David; and Lanvers, Jean-Francois, 4,841,650, Cl. 36-119.000.
- Lanxide Technology Company, LP: *See—*
  - Claar, T. Dennis; Poste, Steven D.; Gesing, Adam J.; Sobczyk, Marek; Raghavan, Narashima S.; Creber, Dave K.; and Nagelberg, Alan S., 4,824,625, Cl. 264-126.000.
  - Claar, Terry D.; Mason, Steven M.; Pochopien, Kevin P.; White, Danny R.; and Johnson, William B., 4,885,130, Cl. 419-12.000.
  - Creber, Dave K.; and Gesing, Adam J., 4,820,461, Cl. 264-57.000.
  - Dwivedi, Ratnesh K.; and Kennedy, Christopher R., 4,806,508, Cl. 501-94.000.
  - Dwivedi, Ratnesh K.; and Irick, Virgil, Jr., 4,849,266, Cl. 428-34.400.
  - Dwivedi, Ratnesh K.; and Irick, Virgil, Jr., 4,871,008, Cl. 164-6.000.
  - Dwivedi, Ratnesh K., 4,886,766, Cl. 501-87.000.
  - Kanter, Robert C.; Rocazella, Michael A.; Weinstein, Jerry G.; and White, Danny R., 4,818,734, Cl. 501-128.000.
  - Kennedy, Christopher R.; and Newkirk, Marc S., 4,824,622, Cl. 264-59.000.
  - Kennedy, Christopher R.; Urquhart, Andrew W.; White, Danny R.; and Newkirk, Marc S., 4,882,306, Cl. 501-87.000.
  - Kuszyk, Jack A.; and Kennedy, Christopher R., 4,874,569, Cl. 264-60.000.
  - LaRoche, E. Allen, Jr., 4,830,799, Cl. 264-59.000.
  - LaRoche, E. Allen, Jr., 4,834,925, Cl. 264-60.000.
  - Lesher, H. Daniel; Kennedy, Christopher R.; White, Danny R.; and Urquhart, Andrew W., 4,847,220, Cl. 501-89.000.
  - Luszcz, Stanley J.; Urquhart, Andrew W.; and Newkirk, Marc S., 4,824,008, Cl. 228-121.000.
  - Luszcz, Stanley J.; and Zwicker, Harry R., 4,837,232, Cl. 501-127.000.
  - Newkirk, Marc S., 4,820,498, Cl. 423-132.000.
  - Newkirk, Marc S.; and Lesher, H. Daniel, 4,822,759, Cl. 501-127.000.
  - Newkirk, Marc S.; and Weinstein, Jerry, 4,826,643, Cl. 264-57.000.
  - Newkirk, Marc S.; Urquhart, Andrew W.; and Lesher, H. Daniel, 4,828,785, Cl. 264-59.000.
  - Newkirk, Marc S.; and Lesher, H. Daniel, 4,832,892, Cl. 264-109.000.
  - Newkirk, Marc S.; White, Danny R.; and Dwivedi, Ratnesh K., 4,833,110, Cl. 501-128.000.
  - Newkirk, Marc S.; Urquhart, Andrew W.; Zwicker, Harry R.; and Lesher, H. Daniel, 4,851,375, Cl. 501-88.000.
  - Newkirk, Marc S.; and Zwicker, Harry R., 4,853,352, Cl. 501-88.000.
  - Newkirk, Marc S., 4,859,640, Cl. 501-128.000.
  - Newkirk, Marc S., 4,867,758, Cl. 51-293.000.
  - Newkirk, Marc S.; Urquhart, Andrew W.; and Zwicker, Harry R., 4,868,143, Cl. 501-127.000.
  - Newkirk, Marc S.; and Mortenson, Mark G., 4,871,696, Cl. 501-94.000.
  - Newkirk, Marc S.; Kantner, Robert C.; and Park, Eugene S., 4,884,737, Cl. 228-121.000.
  - Newkirk, Marc S., 4,885,131, Cl. 919-12.000.
  - Park, Eugene S.; and Poste, Steven D., 4,808,558, Cl. 501-80.000.
  - Rapp, Robert A.; and LaRoche, E. Allen, Jr., 4,873,038, Cl. 264-60.000.
  - Urquhart, Andrew W.; and LaRoche, E. Allen, Jr., 4,818,454, Cl. 264-59.000.
  - White, Danny R.; Urquhart, Andrew W.; Aghajanian, Michael K. and Creber, Dave K., 4,828,008, Cl. 164-66.100.
  - White, Danny R.; and Aghajanian, Michael K., 4,847,025, Cl. 501-87.000.
- Lanz, Andreas: *See—*
  - DePaoli, Albano; Lanz, Andreas; Baumgartner, Michael; and Bugmann, Franz, 4,846,389, Cl. 228-17.500.
- Lanz, Donald D. Plastic-clad, electrically insulated, metal pipe hanger. 4,796,848, 1-10-89, Cl. 248-71.000.
- Lanza, Emmanuel; and Naveau, Jean M. M. G., to Labofina, S.A. Process for decolorizing of polymers of the vinylaromatic-conjugated diene type. 4,877,863, 10-31-89, Cl. 528-486.000.
- Lanza, Thomas J., Jr.: *See—*
  - Tischler, Allan N.; Durette, Philippe L.; Witzel, Bruce E.; and Lanza, Thomas J., Jr., 4,800,211, Cl. 514-443.000.
- Lanzalaco, Anthony C.: *See—*
  - Pyrz, Joseph W.; Lanzalaco, Anthony C.; and Sunberg, Richard J., 4,847,070, Cl. 424-52.000.
- Lanzani, Emanuele, to King-Seeley Thermos Co. Waterspray device for ice making machines. 4,856,712, 8-15-89, Cl. 239-106.000.
- Lanzavecchia, Lorenzo: *See—*
  - Coppi, Bruno; Koch, Alfred; Lanzavecchia, Lorenzo; and Rauch, Jon, 4,851,180, Cl. 376-142.000.

- Lanzendoerfer, Franz: *See—*
  - Degner, Dieter; Gramlich, Walter; Lanzendoerfer, Franz; and Siegel, Hardo, 4,820,389, Cl. 204-78.000.
- Lanzer, Heribert; and Resele, Peter, to Steyr-Daimler-Puch Aktiengesellschaft. Drive system for motor vehicles having driven front and rear axles. 4,842,111, 6-27-89, Cl. 192-35.000.
- Lanzer, Heribert; and Wilks, Eberhard, to Steyr-Daimler-Puch Aktiengesellschaft. Interaxle differential for motor vehicles. 4,850,246, 7-25-89, Cl. 74-655.000.
- Lanzerath, Gunter; Patzer, Helmut; and Muller, Rudolf, to Borg-Warner Automotive, Inc. Method of making a support for a synchronizing ring. 4,866,831, 9-19-89, Cl. 29-159.200.
- Laodakis, Theodore. Paper tape roll control unit. 4,875,634, 10-24-89, Cl. 242-67.30R.
- Lapanik, Valery I.: *See—*
  - Bezborodov, Vladimir S.; Grinkevich, Oleg A.; Grebenkin, Mikhail F.; Lapanik, Valery I.; Minko, Anatoly A.; Rzhussky, Vitaly V.; Muravsky, Anatoly A.; Petrov, Vladimir F.; and Ivaschenko, Alexandr V., 4,853,150, Cl. 252-299.610.
- Lapatovich, Walter P.: *See—*
  - Kramer, Jerry; and Lapatovich, Walter P., 4,801,846, Cl. 313-641.000.
  - Sigai, A. Gary; Lapatovich, Walter P.; and Alexander, Michael N., 4,874,984, Cl. 313-486.000.
- Lape, Larry J.; and Salazar, Ramon A., to Reliability Incorporated. Burn-in board loader and unloader. 4,817,273, 4-4-89, Cl. 29-741.000.
- LaPensee, Kenneth R., to United States of America, Army. Trailer/tractor light system tester. 4,884,032, 11-28-89, Cl. 324-504.000.
- LaPetina, Donna M.; and Patel, Chaitanya, to Helene Curtis, Inc. Antidandruff shampoo composition having improved suspension properties. 4,830,774, 5-16-89, Cl. 252-174.240.
- Lapetina, Robert A.; Snow, Gordon L.; and Baird, David P., to Edo Corporation, Western Division. Two-dimensional piezoelectric transducer assembly. 4,864,179, 9-5-89, Cl. 310-337.000.
- Lapeyre, Didier: *See—*
  - Chareire, Jean-Louis; and Lapeyre, Didier, 4,820,301, Cl. 623-3.000.
  - Chareire, Jean-Louis; and Lapeyre, Didier, 4,822,356, Cl. 623-3.000.
- Lapeyre, Didier M.; and Slonina, Jean P., to Biomasys Sarl. Removable head for connection to a percutaneous passage. 4,804,369, 2-14-89, Cl. 604-175.000.
- Lapeyre, George C.; and Ledet, Brent A., to Laitram Corporation, The. Apparatus for controlling precooking and machine peeling shrimp. 4,862,794, 9-5-89, Cl. 99-443.00C.
- Lapeyre, James M., to Laitram Corporation, The. Method for making an improved heat exchanger. 4,807,342, 2-28-89, Cl. 29-157.30D.
- Lapeyre, James M. Detachable link chain. 4,815,270, 3-28-89, Cl. 59-84.000.
- Lapeyre, James M., to Laitram Corporation, The. Detachable link chain. 4,815,271, 3-28-89, Cl. 59-84.000.
- Lapeyre, James M., to Laitram Corporation, The. Lightweight modular conveyor belt. 4,821,872, 4-18-89, Cl. 198-853.000.
- Lapeyre, James M., to Laitram Corporation, The. Conveyor belt having insertable & selectable conveying member. 4,832,183, 5-23-89, Cl. 198-699.000.
- Lapeyre, James M., to Laitram Corporation, The. Modular center drive conveyor belt. 4,832,187, 5-23-89, Cl. 198-851.000.
- Lapeyre, James M.; and Greve, Christopher G., to Laitram Corporation, The. Method and apparatus for constructing stairways. 4,845,841, 7-11-89, Cl. 29-791.000.
- Lapeyre, James M.; Farrell, John P.; Burch, Ronald H.; Sutton, Mark E.; and Scamardo, Joseph F., Jr., to Laitram Corporation, The. Support apparatus for use in video imaging and processing of transverse fish sections. 4,847,954, 7-18-89, Cl. 17-54.000.
- Lapeyre, James M. Electro-magnetic coupling for tow boat and barge. 4,848,259, 7-18-89, Cl. 114-249.000.
- Lapeyre, James M., to Laitram Corporation, The. Forming lines in computer aided pattern generating systems. 4,852,055, 7-25-89, Cl. 364-512.000.
- Lapeyre, James M., to Laitram Corporation, The. Modular screw conveyor. 4,852,719, 8-1-89, Cl. 198-666.000.
- Lapeyre, James M., to Laitram Corporation, The. Portable keyboard operated alpha computer system with few keys and visual keystroke instructions. 4,860,234, 8-22-89, Cl. 364-709.160.
- Lapeyre, James M., to Laitram Corporation, The. Mold and process for manufacturing helical shaped items. 4,871,505, 10-3-89, Cl. 264-328.100.
- Lapeyre, James M., to Laitram Corporation, The. Detachable link chain. 4,882,901, 11-28-89, Cl. 59-84.000.
- Lapeyre, James M., to Laitram Corporation, The. Modular center drive conveyor belt. 4,886,158, 12-12-89, Cl. 198-853.000.
- Lapeyre, Pascal: *See—*
  - Begout, Eric; Bourgeois, Alain; Gueuret, Raymond; and Lapeyre, Pascal, 4,825,218, Cl. 343-765.000.
- Lapham, David J.; and Hitchmough, Geoffrey, to Micro-Image Technology Limited. Storable semiconductor cleaning solution containing permonosulphuric acid. 4,885,106, 12-5-89, Cl. 252-100.000.
- Laphan, Dennis C.: *See—*
  - Ernat, John; and Laphan, Dennis C., 4,881,306, Cl. 27-12.000.
- LaPiana, John. Device for removing putty from a window. 4,802,280, 2-7-89, Cl. 30-293.000.
- Lapidus, Herbert, to Combe Incorporated. Dyeing composition for fibrous materials. 4,844,712, 7-4-89, Cl. 8-435.000.
- LaPierre, Rene B.; Partridge, Randall D.; Reischman, Paul T.; and Kerr, George T., to Mobil Oil Corporation. Method for preparing acid stable zeolites and high silica zeolites prepared by it. 4,840,930, 6-20-89, Cl. 502-79.000.
- LaPierre, Rene B.; Partridge, Randall D.; and Wong, Steven S., to Mobil Oil Corporation. Isomerization process. 4,855,530, 8-8-89, Cl. 585-739.000.
- LaPierre, Rene B.: *See—*
  - Chen, Nai Y.; LaPierre, Rene B.; Partridge, Randall D.; and Wong, Stephen S., 4,851,109, Cl. 208-58.000.
  - Fischer, Ronald H.; LaPierre, Rene B.; Shih, Stuart S.; and Varghese, Philip, 4,828,677, Cl. 208-89.000.
  - Huang, Tracy J.; LaPierre, Rene B.; and Tabak, Samuel A., 4,857,664, Cl. 568-695.000.
  - Huang, Yun-Yang; LaPierre, Rene B.; and McHale, William D., 4,849,385, Cl. 502-35.000.
  - Partridge, Randall D.; and LaPierre, Rene B., 4,820,402, Cl. 208-111.000.
- Lapierre, Robert M.; and Leonardi, Nicholas J., to Enron Chemical Company. Method of making a foam injection molded article. 4,806,294, 2-21-89, Cl. 264-54.000.
- Lapin, Stephen C.; and Olivares, Jorge M., to Allied-Signal Inc. Polyfunctional vinyl ether terminated ester oligomers. 4,845,265, 7-4-89, Cl. 560-84.000.
- Laping, Robert J.: *See—*
  - Wagner, David J.; Picha, Dean M.; Oller, Stephen G.; and Laping, Robert J., 4,811,200, Cl. 364-200.000.
- Lapini, Corrado; and Esposito, Franco, to Costruzione Macchine Speciali C.M.S. srl. Process for the automatic production of ornamental link chains and relative apparatus. 4,872,305, 10-10-89, Cl. 59-18.000.
- Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; and Laszlovszky, Istvan, to Richter Gedeon Vegyeszeti Gyar Rt. 1,4-Disubstituted piperazines having dopaminergic activity. 4,874,765, 10-17-89, Cl. 514-255.000.
- Lapis, Erzsebet: *See—*
  - Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo , 4,859,682, Cl. 514-288.000.
  - Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.
  - Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-2[illegible]5.000.
  - Toth, Edit; Kiss, Bela; Turley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,866,062, Cl. 514-255.000.
  - Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,868,184, Cl. 514-255.000.
- Lapkewych, Ronald P. Ball throw game. 4,863,176, 9-5-89, Cl. 273-346.000.
- Lapkowsky, Andrew, to C & J Jones (1985) Limited. Heat exchanger. 4,848,450, 7-18-89, Cl. 165-166.000.
- LaPlante, Jean: *See—*
  - Basile, Thomas J.; and LaPlante, Jean, 4,842,961, Cl. 428-672.000.
- LaPlante, Jerry C.: *See—*
  - Wilson, Robert; and LaPlante, Jerry C., 4,802,436, Cl. 164-440.000.
- Lapo, Sergio: *See—*
  - Polvara, Maria; Crosti, Giovanni; and Lapo, Sergio, 4,859,825, Cl. 219-119.000.
- LaPoint, Kris, to Coleman Company, Inc., The. Assymetrical water ski. 4,795,386, 1-3-89, Cl. 441-68.000.
- LaPointe, Roland R., to Webster Electric Co.,Inc. Rotary-action directional control valve. 4,836,249, 6-6-89, Cl. 137-625.230.
- Laporte Industries Limited: *See—*
  - Broome, Andrew D. J.; and Egerton, Ian K., 4,797,281, Cl. 424-133.000.
  - Egerton, Ian K.; and Broome, Andrew D. J., 4,804,494, Cl. 252-397.000.
  - Ogleby, John W.; and Charkley, Neville J., 4,882,285, Cl. 436-98.000.
- Laporte, Jean-Claude: *See—*
  - Descos, Rene; and Laporte, Jean-Claude, 4,802,676, Cl. 273-363.000.
- Lapotaire, Robert. Movable platform system. 4,804,305, 2-14-89, Cl. 414-233.000.
- Lapoutre, Charles: *See—*
  - Notermans, Ronald M. W.; Verhelst, Paulus W. E.; Lapoutre, Charles; and Kessels, Hendricus W. H. M., 4,843,571, Cl. 364-519.000.
- Lapp, Alvin K. Animal watering fountain. 4,813,378, 3-21-89, Cl. 119-73.000.
- Lapp, Roger H., to Johns Hopkins University, The. Apparatus for winding wire onto an arbor. 4,809,918, 3-7-89, Cl. 242-7.210.
- Lapp, Theodore R.: *See—*
  - Bobo, Donald E., Jr.; Seguine, Dennis R.; and Lapp, Theodore R., 4,846,792, Cl. 604-50.000.
- Lappe, Peter: *See—*
  - Weber, Jurgen; Springer, Helmut; and Lappe, Peter, 4,885,383, Cl. 560-103.000.

Lappies, Mark F.: *See—*
  Sellar, James R.; Reisdorf, James E.; Lappies, Mark F.; and Valle, Mark S., 4,852,740, Cl. 206-444.000.
Lappin, Francis J., to Breslube USA, Inc. Neutralizing oxidation product components in continuous rerefining of used oil stocks. 4,834,868, 5-30-89, Cl. 208-184.000.
Lappos, Nicholas D.: *See—*
  Rice, Robert W.; Sweet, David H.; Evans, Charles W.; Wright, Gregory P.; Howlett, James J.; Lappos, Nicholas D.; and Johnston, Mark A., 4,817,046, Cl. 364-551.010.
LaPrad, Richard F.; and Horan, Gary C., to United Technologies Corporation. Control method for topping loop. 4,845,943, 7-11-89, Cl. 60-39.030.
LaPrad, Richard F.; and Horan, Gary C., to United Technologies Corporation. Control system topping loop. 4,884,397, 12-5-89, Cl. 60-39.240.
Laprade, Kenneth C., to Harris Corp. N-clock, n-bit-serial multiplier. 4,839,847, 6-13-89, Cl. 364-754.000.
Lapsker, Joshua, to Promo-Ad Canada Ltd. Prescription assembly. 4,807,909, 2-28-89, Cl. 283-67.000.
Laptev, Anatoly M.: *See—*
  Ledyashov, Oleg A.; Petrov, Stanislav F.; Goryainov, Stanislav P.; Kiselman, Mark L.; Laptev, Anatoly M.; and Mishin, Viktor I., 4,809,779, Cl. 166-173.000.
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Laputka, John T., to Home & Roam Leisure Inc. Swimming pool liner retaining bracket. 4,847,926, 7-18-89, Cl. 4-506.000.
Lapworth, Norman: *See—*
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Laqua, Fred L., to Great Plains Industries, Inc. Bypass valve for a displacement pump. 4,859,155, 8-22-89, Cl. 417-307.000.
Lara, Francisco J., to Ferrero & Wepfer, a part interest. X-R case. 4,874,092, 10-17-89, Cl. 206-492.000.
Lara, Jean, to Igenov. Refrigeration unit for produce and, in particular, for fresh vegetables. 4,888,960, 12-26-89, Cl. 62-298.000.
Lara, Maria T.: *See—*
  Huguet, Joan; Muchowski, Joseph M.; and Lara, Maria T., 4,888,358, Cl. 514-530.000.
Lara, Pedro F., to Atlantic Richfield Company. Method for surveying fluid transmission pipelines. 4,799,391, 1-24-89, Cl. 73-865.800.
Lara, Pedro F., to Atlantic Richfield Company. Transient electromagnetic method for detecting corrosion on conductive containers having variations in jacket thickness. 4,843,319, 6-27-89, Cl. 324-240.000.
Lara, Pedro F.: *See—*
  Petermann, Steven G.; Cabiran, Michel L.; Cooper, John D.; and Lara, Pedro F., 4,835,876, Cl. 33-313.000.
Laramee, Camille A. Disposable warning marker apparatus. 4,798,747, 1-17-89, Cl. 428-12.000.
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Lardo, Claude: *See—*
  Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 4,807,679, Cl. 152-209.00R.
  Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 4,856,571, Cl. 152-209.00R.
Lardon, Hartmut: *See—*
  Krueger, Heinz; Lardon, Hartmut; and Patsch, Manfred, 4,798,887, Cl. 534-637.000.
Larex AG: *See—*
  Lauener, Wilhelm F., 4,794,978, Cl. 164-431.000.
  Lauener, Wilhelm F., 4,798,315, Cl. 222-591.000.
  Lauener, Wilhelm F., 4,823,860, Cl. 164-480.000.
Large, David T., to Boeing Company, The. Roll drum sensor housing having sliding window. 4,887,779, 12-19-89, Cl. 244-1.00R.
Large, Jean-Francois; and Guigon, Pierre F., to Charbonnages de France. Fluidized bed heat exchange apparatus. 4,796,691, 1-10-89, Cl. 165-104.160.
Large Scale Biology Corporation: *See—*
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Largen, Michael T.: *See—*
  Buckley, Helen R.; Largen, Michael T.; and Strockbine, Nancy A., 4,806,465, Cl. 435-7.000.
Largenton, Jean-Luc. Device for weighing vehicles. 4,887,678, 12-19-89, Cl. 177-134.000.
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  Pierrard, Paul; Bernard, Michel; and Largeteau, Denis, 4,816,150, Cl. 210-321.820.
Larigaldie, Serge; and Taillet, Joseph, to Office National D'Etudes Et De Recherches Aerospatiales. Laminar flow hood with static electricity eliminator. 4,864,459, 9-5-89, Cl. 361-216.000.
Larimer, Donald R.: *See—*
  Sachs, Hanns I.; and Larimer, Donald R., 4,801,631, Cl. 524-18.000.
Larish, John J., to AutoStudio Corporation. Electronic recording camera with front projector. 4,835,563, 5-30-89, Cl. 354-412.000.
Larizza, Edward P., to United Brands Company. Produce shipment and separable distribution and display carton. 4,811,837, 3-14-89, Cl. 206-45.110.

Lark, David L.: *See—*
  Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.
Lark S.p.A.: *See—*
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Larkin, Harold F.; Hibbert, David A.; Beberman, Julie A.; and Walter, Clarence W., to General Electric Company. Adjustable joint for electrical busway. 4,849,581, 7-18-89, Cl. 174-88.00B.
Larkin, Harold F.: *See—*
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  Hibbert, David A.; Richards, Anthony L.; Zuffelato, Dennis C.; Turmelle, Conrad R.; and Larkin, Harold F., 4,804,804, Cl. 174-16.200.
Larkin, John M.; Zimmerman, Robert L.; Cuscurida, Michael; and Waddill, Harold G., to Texaco Inc. Phenyl glycidyl ether modified polyoxyalkylene diamines and epoxy resin compositions therefrom. 4,825,000, 4-25-89, Cl. 564-347.000.
Larkin, John M.; and Speranza, George P., to Texaco Inc. Bis(diaminopolyalkoxy)-N-alkylamines by amination of hydroxyl-containing tertiary amines. 4,827,038, 5-2-89, Cl. 564-505.000.
Larkin, John M.; and Cuscurida, Michael, to Texaco Inc. Nitrilotris-polyoxyalkyleneamines in a reaction injection molding process. 4,827,039, 5-2-89, Cl. 564-505.000.
Larkin, John M., to Texaco Inc. Catalytic conversion of allyl formate to carboxylic acids. 4,831,191, 5-16-89, Cl. 562-517.000.
Larkin, John M.; and Speranza, George P., to Texaco Inc. Bis(diaminopolyalkoxy)-N-alkylamines by amination of hydroxyl-containing tertiary amines. 4,847,417, 7-11-89, Cl. 564-475.000.
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  Sung, Rodney L.; Behrens, Milton D.; Caggiano, Michael A.; Knifton, John F.; Larkin, John M.; and Zimmerman, Robert L., 4,810,261, Cl. 44-62.000.
  Vanderpool, Steven H.; Watts, Lewis W., Jr.; Larkin, John M.; and Renken, Terry L., 4,806,517, Cl. 502-208.000.
Larkin, John P., to Burroughs Wellcome Co. Insecticidal dioxopyrimidine carboxanides. 4,816,460, 3-28-89, Cl. 514-270.000.
Larkin, Mark E.; and Ogden, John E., to Abbott Laboratories. Piercing pin transfer device. 4,840,621, 6-20-89, Cl. 604-29.000.
Larkin, Michael J.: *See—*
  Wynosky, Thomas A.; Larkin, Michael J.; and Fortmann, Wilbur E., 4,864,820, Cl. 60-270.100.
Larkin, Stephen J., to Q-Bit Corporation. High gain RF amplifier with directional coupler feedback. 4,879,525, 11-7-89, Cl. 330-294.000.
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  Ginnis, Andrew F.; and Larkin, Wesley F., 4,807,994, Cl. 356-347.000.
Larkin, William A., to M&T Chemicals, Inc. Non-toxic organotin stabilizers for vinyl chloride polymers. 4,834,992, 5-30-89, Cl. 426-106.000.
Larkins, Brian; Cuellar, Richard E.; and Wallace, John C., to Lubrizol Genetics Inc.; and Purdue Research Foundation. Modified zein proteins containing lysine. 4,885,357, 12-5-89, Cl. 530-372.000.
Larkins, Brian; Cuellar, Richard E.; Wallace, John C.; and Galili, Gad, to Lubrizol Genetics, Inc.; and Purdue Research Foundation. Modified zein genes containing lysine. 4,886,878, 12-12-89, Cl. 536-[illegible]
Larkins, David J.; and Schneider, John C., to Hydrochem Developments Ltd. Shut off seal about a shaft of a device having a side entry into a tank. 4,878,677, 11-7-89, Cl. 277-105.000.
Larkins, Gary K.: *See—*
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Larkins, Thomas H., Jr., to Eastman Kodak Company. Preparation of ethyl acetate. 4,886,905, 12-12-89, Cl. 560-265.000.
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  Rule, Mark; Larkins, Thomas H., Jr.; Lane, Donald W.; and Steinmetz, Guy R., 4,827,018, Cl. 560-80.000.
  Rule, Mark; Larkins, Thomas H., Jr.; Lane, Donald W.; and Steinmetz, Guy R., 4,866,200, Cl. 560-80.000.
Larkman, Barry S.: *See—*
  Pellow, Scott P. W.; Larkman, Barry S.; and Stovicek, Pa 4,866,106, Cl. 523-122.000.
Larm, Karl O. P.; Hoffman, James; Seljelid, Rolf; and Bogwald, Jan. Macrophage-activating composition and a process for its manufacture. 4,795,745, 1-3-89, Cl. 514-54.000.
Larm, Olle. Process for covalent coupling for the production of conjugates, and products hereby obtained. 4,810,784, 3-7-89, Cl. 536-20.000.
Larner, Donald A., to Fluid Devices Ltd. Transducer for fluid flow. 4,864,871, 9-12-89, Cl. 73-861.580.
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  Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., 4,799,616, Cl. 228-125.000.
  Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., 4,869,418, Cl. 228-37.000.
LaRocca, Edward W.; and Strike, Robert, to General Dynamics Corporation/Pomona Division. Method of making a bimetallic shaped charge liner. 4,807,795, 2-28-89, Cl. 228-107.000.
LaRocca, Edward W. Explosively driven power supply. 4,862, 8-29-89, Cl. 310-10.000.

LaRocca, John: *See—*
  Franklin, Robert P.; and LaRocca, John, 4,796,763, Cl. 211-133.000.
  Franklin, Robert P.; and LaRocca, John, 4,813,553, Cl. 211-133.000.
LaRocca, Nina. Dental aspirator. 4,865,545, 9-12-89, Cl. 433-96.000.
LaRocca, William J.; and Trush, David M., to Wickes Manufacturing Company. Parking brake assembly. 4,856,363, 8-15-89, Cl. 74-535.000.
LaRoche, Allan R.; Butcher, Robert A.; Dubuc, Jean A.; and Pearmain, Douglas S., to Manville Corporation. Expansion joint cover. 4,848,044, 7-18-89, Cl. 52-58.000.
LaRoche, Allan R.; and Pearmain, Douglas S., to Manville Corporation. Fire resistant expansion joint. 4,866,898, 9-19-89, Cl. 52-396.000.
LaRoche Chemicals, Inc.: *See—*
  Pearson, Michael J.; and Belding, William A., 4,868,147, Cl. 502-238.000.
  Sobolev, Igor, 4,861,744, Cl. 502-227.000.
LaRoche, E. Allen, Jr., to Lanxide Technology Company, LP. Method of making shaped ceramic articles by shape replication of an expendable pattern. 4,830,799, 5-16-89, Cl. 264-59.000.
LaRoche, E. Allen, Jr., to Lanxide Technology Company, LP. Method for producing mold-shaped ceramic bodies. 4,834,925, 5-30-89, Cl. 264-60.000.
LaRoche, E. Allen, Jr.: *See—*
  Rapp, Robert A.; and LaRoche, E. Allen, Jr., 4,873,038, Cl. 264-60.000.
  Urquhart, Andrew W.; and LaRoche, E. Allen, Jr., 4,818,454, Cl. 264-59.000.
Laroche, Pierre, to Glaverbel. Articles of filled synthetic polymeric materials and glass bead filler therefor. 4,879,321, 11-7-89, Cl. 523-203.000.
Laroche, Pierre, to Glaverbel. Articles of filled synthetic polymeric materials and glass bead filler therefore. 4,882,367, 11-21-89, Cl. 523-212.000.
Laroche, Pierre: *See—*
  Mottet, Leon-Philippe; Robyn, Pierre; and Laroche, Pierre, 4,818,574, Cl. 427-422.000.
LaRoche, Wayne D.; and Gray, John D., to Davidson Textron Inc. Apparatus for molding thermoplastic material. 4,882,173, 11-21-89, Cl. 425-130.000.
LaRock, Gary J., to Joslyn Corporation. Transmission system. 4,818,820, 4-4-89, Cl. 174-36.000.
Larock, Richard C.; and Baker, Bruce E., to Iowa State University Research Foundation, Inc. Palladium-catalyzed arylation of cycloalkenes. 4,879,426, 11-7-89, Cl. 585-469.000.
Larock, Richard L., to Iowa State University Research Foundation, Inc. Organopalladium approaches to prostaglandins. 4,814,490, 3-21-89, Cl. 560-120.000.
Larock, Richard C.; and Babu, Srinivasan, to Iowa State University Research Foundation, Inc. Synthesis of nitrogen heterocycles. 4,868,304, 9-19-89, Cl. 546-141.000.
LaRosa, Alfred I.: *See—*
  Terence, Melvin; and LaRosa, Alfred I., 4,844,471, Cl. 273-220.000.
LaRosa, Joseph P.; and Lombardi, Michael H., to Chesebrough-Pond's Inc. Spray apparatus. 4,811,900, 3-14-89, Cl. 239-10.000.
LaRosa, Joseph P.: *See—*
  Gentile, James L.; LaRosa, Joseph P.; and Rainey, Dean R., 4,854,484, Cl. 222-256.000.
La Rosa, Richard; and Marynowski, Thomas J., to Hazeltine Corporation. Surface wave device having anti-reflective shield. 4,870,312, 9-26-89, Cl. 310-313.00B.
La Rovere, Ruggiero, to Rheem Empreendimentos Industriais E Comerciais S/A. Process and apparatus for assembling a tubular container. 4,856,176, 8-15-89, Cl. 29-511.000.
LaRowe, Dorian, to Paradyne Corporation. Bidirectional multiframe converter for data communications systems. 4,860,009, 8-22-89, Cl. 341-73.000.
LaRoy, Bernard C.: *See—*
  Banyasz, Joseph L.; Burton, Aubrey T.; LaRoy, Bernard C.; and Lowitz, David A., 4,890,053, Cl. 324-58.50A.
Laroy, Ron: *See—*
  Bradt, L. Jack; Brown, Robert L.; Fogt, Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,814,592, Cl. 235-381.000.
  Bradt, L. Jack; Brown, Robert L.; Fogt, G. Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,839,505, Cl. 235-381.000.
Larrabee, John R.; and Kravsow, Philip F., to United Technologies Corporation. Crossed I-beam structural strut. 4,820,117, 4-11-89, Cl. 415-142.000.
Larrabee, John R.; Lucas, Arthur W.; and Faucher, Peter A., to United Technologies Corporation. Stiffening ring for a stator assembly of an axial flow rotary machine. 4,859,143, 8-22-89, Cl. 415-142.000.
Larrabee, Scott R.; and Costello, Norman F., to Modine Manufacturing Company. Radiator and oil cooler. 4,834,171, 5-30-89, Cl. 165-140.000.
Larrieu, Jean-Louis: *See—*
  Dieras, Francis; Soulie, Alain; Larrieu, Jean-Louis; and Escanecrabe, Bernard, 4,804,364, Cl. 604-22.000.
Larrouy, Michele: *See—*
  Ollivier, Jean; Lagaude, Christian H.; Baptiste, Hubert; and Larrouy, Michele, 4,859,373, Cl. 562-119.000.
Lars-Jos, Pehr. Garment of chain armour structure. 4,802,242, 2-7-89, Cl. 2-2.000.
Lars-Jos, Pehr. Glove of chain armour structure. 4,841,577, 6-27-89, Cl. 2-161.00R.
Larsen, Alf D.: *See—*
  Anderson, Dirk M.; Baker, Paul E.; Cantrell, Michael A.; Cerretti, Douglas P.; Cosman, David J.; Gimpel, Steven D.; Grabstein, Kenneth H.; Larsen, Alf D.; and McKereghan, Kate N., 4,882,282, Cl. 435-252.300.
Larsen, Allen J.: *See—*
  Fairman, Bruce A.; Larsen, Allen J.; Swinton, William G.; and Taylor, Robert G., Jr., 4,849,875, Cl. 364-200.000.
Larsen, Arild, to AB Tetra Pak. Arrangement for the feeding of sheets to a magazine. 4,802,664, 2-7-89, Cl. 271-201.000.
Larsen, Bent: *See—*
  Jensen, Niels D.; Nielsen, Kurt F.; and Larsen, Bent, 4,827,777, Cl. 73-861.190.
Larsen, Carl G.: *See—*
  Gram, Martin M.; Johnson, Luther E.; and Larsen, Carl G., 4,843,888, Cl. 73-856.000.
Larsen, Duane M.; and Dopp, Robert B., to Rayovac Corporation. Zinc alkaline electrochemical cells with reduced mercury anodes. 4,857,424, 8-15-89, Cl. 429-206.000.
Larsen, Herluf J. Light system for a vehicle, in particular a bicycle. 4,814,951, 3-21-89, Cl. 362-72.000.
Larsen, J. Orville: *See—*
  Evanyk, Walter R.; Beber, Michael H.; Donaldson, Joel R.; Larsen, J. Orville; Adams, David G.; and Douglas, Michael W., 4,829,560, Cl. 379-106.000.
Larsen, James H.: *See—*
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Larsen, Jan; Gudmandsen, Robert; and Winfeld, Per, to Ortofon Manufacturing A/S. Magnetic system for a stereo pick-up with a movable coil. 4,884,262, 11-28-89, Cl. 369-136.000.
Larsen, Jeffrey A. Method and apparatus for opening and reclosing beverage cans. 4,887,734, 12-19-89, Cl. 220-306.000.
Larsen, Jens E. L.: *See—*
  Molin, Soren; Light, Janice A.; and Larsen, Jens E. L., 4,806,471, Cl. 435-68.000.
Larsen, John M. Stringed instrument blocking system. 4,881,441, 11-21-89, Cl. 84-291.000.
Larsen, Kerstin E. I.: *See—*
  Andersson, Lars-Olof; Forsman, Nanna; Larsen, Kerstin E. I.; Lundin, Annelie B.; Pavlu, Bohdan; Sandberg, Inga H.; and Sewerin, Karin M., 4,877,614, Cl. 424-101.000.
Larsen, Lawrence E. Apparatus and method for diathermy treatment and control. 4,848,362, 7-18-89, Cl. 128-804.000.
Larsen, Leif G. Thread measuring tool. 4,858,330, 8-22-89, Cl. 33-199.00R.
Larsen, Melvin J. Apparatus and method for a balanced internal combustion engine coupled to a drive shaft. 4,834,033, 5-30-89, Cl. 123-58.0AB.
Larsen, Michael R.: *See—*
  Hubbard, Dean A.; Larsen, Michael R.; and Link, Donald A., 4,825,338, Cl. 361-376.000.
Larsen, Nancy E.: *See—*
  Leshchiner, Adolf; Larsen, Nancy E.; Balazs, Endre A.; and Hilal, Sadek K., 4,795,741, Cl. 514-21.000.
Larsen, R. S.: *See—*
  Walker, J. T.; Larsen, R. S.; and Shapiro, S. L., 4,811,285, Cl. 365-45.000.
Larsen, Robert P.; Hoelke, Steven T.; and Luisi, James A., to Rockwell International Corporation. Interactive diagnostic methodology and apparatus for microelectronic devices. 4,878,179, 10-31-89, Cl. 364-490.000.
Larsen, Rolf O.: *See—*
  Borretzen, Bernt; Larsen, Rolf O.; Pettersen, Erik O.; Dornish, John M.; and Oftebro, Rolf, 4,874,780, Cl. 514-452.000.
Larsen, Stig K., to Anton Security Denmark A/S. Method and a unit for synchronizing burglary detectors. 4,797,659, 1-10-89, Cl. 340-572.000.
Larsen, Wallace L., to Amana Refrigeration, Inc. Crisper humidity control. 4,850,206, 7-25-89, Cl. 62-382.000.
Larsen, Walter L. Extensible loop hook fastening device. 4,823,444, 4-25-89, Cl. 24-231.000.
Larsen, Walter Louis. Bifurcated member hook fastening device. 4,833,759, 5-30-89, Cl. 24-489.000.
Larson, Arthur L.: *See—*
  Abu-Isa, Ismat A.; Jaynes, Craig B.; and Larson, Arthur L., 4,869,554, Cl. 297-452.000.
Larson, Bernard R., to Sun Controls Design, Inc. Apparatus for locating and manipulating agricultural products. 4,843,561, 6-27-89, Cl. 364-478.000.
Larson, Brent H.: *See—*
  Clerke, Edward A.; and Larson, Brent H., 4,852,069, Cl. 367-69.000.
Larson, Brian R.; Bennett, Donald B.; and Murphy, Steven A., to Unisys Corporation. Layered network. 4,833,468, 5-23-89, Cl. 340-825.800.
Larson, Carl A.; McMillen, Charles J.; and McQuay, Edgar E., to General Electric Company. Dual voltage distribution transformer with internal varistor surge protection. 4,862,307, 8-29-89, Cl. 361-38.000.
Larson, Carle J.: *See—*
  Collins, Robert W.; Davidson, William S.; Dickes, Steven M.; Effle, James S.; Larson, Carle J.; Weinschenk, Russell J.; and Wottreng, Peter M., 4,847,749, Cl. 364-200.000.
Larson, Clifford A.: *See—*
  Van Tuyl, James E.; and Larson, Clifford A., 4,878,325, Cl. 52-217.000.
Larson, Clifford M. Hand-held skate sharpener. 4,815,240, 3-28-89, Cl. 51-205.0WG.

Larson, Curtis L., to Minnesota Mining and Manufacturing Company. Microwave food package. 4,865,854, 9-12-89, Cl. 426-107.000.
Larson, Curtis L.; and LePere, Pierre H., to Minnesota Mining and Manufacturing Company. Microwave food package and grease absorbent pad therefor. 4,873,101, 10-10-89, Cl. 426-113.000.
Larson, David B.; and Nelson, Erik B., to Dowell Schlumberger Incorporated. Method and device for manipulating ferrofluids for use in cementing wells. 4,802,534, 2-7-89, Cl. 166-381.000.
Larson, David L.: *See—*
  Crawford, Thomas C.; Keely, Stanley L.; Larson, David L.; Lombardino, Joseph G.; and Maciejko, James J., 4,812,455, Cl. 514-226.500.
  Crawford, Thomas C.; Keely, Stanley L.; Larson, David L.; Lombardino, Joseph G.; and Maciejko, James J., 4,874,757, Cl. 514-226.500.
Larson, David R.: *See—*
  Brooks, William W., Jr.; Clemen, Curtis J.; Coffey, Jerome T.; Coffield, Timothy P., and Larson, David R., 4,853,811, Cl. 360-103.000.
Larson, Donald A., to North States Industries, Inc. Bird feeder with scatter restricting feeding tray. 4,838,205, 6-13-89, Cl. 119-52.00R.
Larson, Donald J.; and Moore, Norman L., to Dresser-Rand Company. Seal assembly. 4,804,211, 2-14-89, Cl. 285-225.000.
Larson, Donna J. Garment security device. 4,885,920, 12-12-89, Cl. 70-49.000.
Larson, Douglas A.; and Justice, John C., to Safety-Kleen Corp. Solvent vapor collection and evacuation system. 4,823,820, 4-25-89, Cl. 134-109.000.
Larson, Douglas A.; and Clanton, Thomas L., to Healthscan, Inc. Inspirator muscle trainer. 4,854,574, 8-8-89, Cl. 272-99.000.
Larson, Eric G.: *See—*
  Oxman, Joel D.; Ubel, F. Andrew, III; and Larson, Eric G., 4,828,583, Cl. 51-295.000.
Larson, Gary B.; Ruszczyk, Stanley J.; and Castaldi, Steven A., to MacDermid, Incorporated. Method for manufacture of printed circuit boards. 4,804,615, 2-14-89, Cl. 430-314.000.
Larson, Gary B.; Williams, Ann S.; and Letize, Raymond A., to MacDermid, Incorporated. Method for manufacture of printed circuit boards. 4,806,200, 2-21-89, Cl. 156-652.000.
Larson, Gary B.; Ferrier, Donald R.; Ruszczyk, Stanley J.; and Castaldi, Steven A., to MacDermid, Incorporated. Shields for electromagnetic radiation. 4,831,210, 5-16-89, Cl. 174-35.0MS.
Larson, Gary J.: *See—*
  Hsu, Jau Y.; Larson, Gary J.; and Wedral, Elaine R., 4,828,852, Cl. 426-94.000.
Larson, Gary L., to AMP Incorporated. Automatic threshold adjustment circuit for digital data communication. 4,847,865, 7-11-89, Cl. 375-76.000.
Larson, Gordon; and Pates, John. Dispensing straw for liquid container. 4,877,148, 10-31-89, Cl. 220-90.200.
Larson, heir & representative, Catherine J.: *See—*
  Larson, Nils, F., deceased; Larson, heir & representative, Catherine J.; and von Loh, Knut, 4,856,248, Cl. 52-405.000.
Larson, James D. Stretching frame with adhesive fastening of a fabric workpiece. 4,860,467, 8-29-89, Cl. 38-102.400.
Larson, James M., to Minnesota Mining and Manufacturing Company. Low adhesion compositions of perfluoropolyethers. 4,830,910, 5-16-89, Cl. 428-336.000.
Larson, James W.: *See—*
  Wendschlag, James C.; and Larson, James W., 4,832,068, Cl. 62-197.000.
Larson, Jay M.; and Mengel, Keith E., to Eaton Corporation. Low porosity surfacing alloys. 4,822,695, 4-18-89, Cl. 428-687.000.
Larson, Jeffrey A.: *See—*
  Goldberg, Eugene P.; Burns, Jim; Sheets, John W.; Larson, Jeffrey A.; Kumar, Sudesh; and Osborn, David. 4,806,382, Cl. 427-2.000.
Larson, John R.: *See—*
  Bain, Richard L.; and Larson, John R., 4,818,371, Cl. 208-106.000.
  Bain, Richard L.; and Larson, John R., 4,849,025, Cl. 134-22.100.
Larson, Kenneth J.; and Lunde, Gary P., to Aqua-D Corp. Electromagnetic fluid treating device and method. 4,865,747, 9-12-89, Cl. 210-695.000.
Larson, Kenneth W.: *See—*
  Caggiani, Carlos A.; Coneys, Thomas A.; and Larson, Kenneth W., 4,842,592, Cl. 604-283.000.
Larson, Kevin D. Stowable work bench. 4,856,435, 8-15-89, Cl. 108-134.000.
Larson, Lawrence E.; Jensen, Joseph F.; Walden, Robert H.; and Schmitz, Adele E., to Hughes Aircraft Company. Analog-to-digital converter made with focused ion beam technology. 4,872,010, 10-3-89, Cl. 341-134.000.
Larson, Lawrence L.: *See—*
  Ruger, William B.; and Larson, Lawrence L., 4,835,892, Cl. 42-7.000.
Larson, Leigh R., to Hi-Life Rubber Inc. Milking machine inflation. 4,869,205, 9-26-89, Cl. 119-14.510.
Larson, Mark L.; Hanft, Karl H.; and O'Farrell, Desmond J., to Donnelly Corporation. Windshield moisture sensing control circuit. 4,859,867, 8-22-89, Cl. 307-10.100.
Larson, Mark L.: *See—*
  O'Farrell, Desmond J.; Schofield, Kenneth, Larson, Mark L.; Hanft, Karl-Heinz; Schierbeek, Kenneth L.; and Bentley, Richard D., 4,871,917, Cl. 250-341.000.
Larson, Marlow W., to Browning. Overdraw system for archery bows. 4,879,988, 11-14-89, Cl. 124-41.00A.
Larson, Marlow W., to Browning. Bow sight. 4,884,347, 12-5-89, Cl. 33-265.000.
Larson, Nils E.; Leturno, David B.; and Cherne, Lawrence W., to Union Carbide Corporation. Spray mode gas metal arc welding process. 4,857,692, 8-15-89, Cl. 219-74.000.
Larson, Nils, F., deceased; Larson, heir & representative, Catherine J.; and von Loh, Knut. Structural building element. 4,856,248, 8-15-89, Cl. 52-405.000.
Larson, Paul A.; Aldrich, Dale J.; and Berman, Jody R., to Dow Chemical Company, The. Curable compositions containing an epoxy resin, a difunctional phenol and a polyfunctional phenol. 4,874,665, 10-17-89, Cl. 428-416.000.
Larson, Paul A.: *See—*
  Walker, Louis L.; and Larson, Paul A., 4,868,059, Cl. 428-416.000.
Larson, Ralph I., Jr.: *See—*
  Foley, John M.; Piuze, Ronald L.; Larson, Ralph I., Jr.; and Doumani, George, 4,840,225, Cl. 165-104.330.
  Foley, John M.; Piuze, Ronald L.; Larson, Ralph I., Jr.; and Doumani, George, 4,860,824, Cl. 165-165.000.
Larson, Raymond L., to BMR Investments, Inc. Container and liquid dispenser. 4,805,808, 2-21-89, Cl. 222-185.000.
Larson, Richard I.; and Ringle, Richard P., to General Electric Company. Binder system for the manufacture of nuclear pellets, and the method and product thereof. 4,816,187, 3-28-89, Cl. 252-639.000.
Larson, Robert H.: *See—*
  Tuthill, Richard S.; Long, James M.; Larson, Robert H.; and Clark, Terry A., 4,815,664, Cl. 239-404.000.
Larson, Scott A.; and Johnson, Duane R., to Deere & Company. Shift lever activated parking brake. 4,875,563, 10-24-89, Cl. 192-4.00A.
Larson, Sherman L.; Del Prato, Daniel J.; and Klaus, Robert, to Sherman Industries, Inc. Dryer for automatic car wash equipment. 4,809,392, 3-7-89, Cl. 15-312.00R.
Larson, Stephen F.: *See—*
  Rozanski, Robert D.; Medlock, James R., III; and Larson, Stephen F., 4,875,137, Cl. 361-331.000.
Larson, Steve A.: *See—*
  Polk, Gary C.; Larson, Steve A.; and Albrecht, Ronald E., 4,851,724, Cl. 310-68.00A.
Larson, Terry G.: *See—*
  Harrington, Robert L.; Larson, Terry G.; and Unger, Richard F., 4,842,227, Cl. 248-56.000.
Larson, Thomas A. Collapsible marine privacy chamber. 4,883,015, 11-28-89, Cl. 114-363.000.
Larson, Tony R.; and Tretter, Larry L., to International Business Machines Corporation. Dual direction integrating delay circuit. 4,812,687, 3-14-89, Cl. 307-601.000.
Larson, Wayne F., to Supra Products, Inc. Combination/electronic lock system. 4,831,851, 5-23-89, Cl. 70-303.00A.
Larson, Wayne F.: *See—*
  Barrett, Philip D.; Henderson, Walter G.; and Larson, Wayne F., 4,887,292, Cl. 379-103.000.
Larson, Wayne K., to Minnesota Mining and Manufacturing Company. Sulfonate-containing photopolymer systems. 4,855,384, 8-8-89, Cl. 528-60.000.
Larson, Wayne K.: *See—*
  Ersfeld, Dean A.; Hansen, Paul E.; Scholz, Matthew T.; Bertusi, Dennis C.; Reed, Katherine E.; Larson, Wayne K.; Sandvig, Timothy C.; and Buckanin, Richard S., 4,856,502, Cl. 128-90.000.
Larsson, Anders M.: *See—*
  Scheffler, Manfried A. G.; Karlsson, Lars S. J.; and Larsson, Anders M., 4,846,211, Cl. 137-119.000.
Larsson, Bertil; Andersson, Erik T.; and Hoshansson, Rolf G. R., to AGEC AB. Method and a device for assortment of a product flow. 4,812,644, 3-14-89, Cl. 250-223.00R.
Larsson, Bjorn: *See—*
  Kindberg, Bengt A., 4,819,400, Cl. 52-693.000.
Larsson, Erik M.: *See—*
  Lundin, Claes O. A.; Larsson, Erik M.; and Akermark, Bjorn J. E., 4,859,794, Cl. 560-302.000.
Larsson, Gosta, to Jochnick & Norrman Press AB. Apparatus for processing an elastomeric product. 4,844,350, 7-4-89, Cl. 241-163.000.
Larsson, Karl-Erik; and Carlsson, Karl L., to ABU Garcia Produktion AB. Open fixed-spool fishing reel. 4,834,307, 5-30-89, Cl. 242-245.000.
Larsson, Karl O. A. H., to ISG/AG. Method for inducing uterine activity through nipple stimulation. 4,794,915, 1-3-89, Cl. 128-64.000.
Larsson, Karl O. A. H., to ISG/AG. Breastpump. 4,857,051, 8-15-89, Cl. 604-74.000.
Larsson, Kenneth L., to Sandvik AB. Threaded coupling. 4,861,209, 8-29-89, Cl. 411-411.000.
Larsson, Lars A., to Pharmacia AB. Adaptor for allowing different gel bed heights in a chromatographic separation column. 4,865,728, 9-12-89, Cl. 210-198.200.
Larsson, Lars E.: *See—*
  Dahlen, Lars M. G.; Larsson, Lars E.; and Othzen, Bo L. A., 4,862,865, Cl. 123-669.000.
Larsson, Lennart, to AB Akerlund & Rausing. Closure device for a packaging container. 4,850,503, 7-25-89, Cl. 220-265.000.
Larsson, Lennart; Ullman, Bo; and Ohlsson, Hakan, to AB Akerlund & Rausing. Method and device for tightness control of a joint. 4,852,136, 7-25-89, Cl. 378-58.000.
Larsson, Lennart, to AB Akerlund & Rausing. Hollow profile with a surface layer. 4,865,891, 9-12-89, Cl. 428-35.900.
Larsson, Lennart: *See—*
  Piltz, Lars E.; and Larsson, Lennart, 4,813,208, Cl. 53-449.000.

Larsson, Ove: *See—*
  Bengtsson, Bengt G.; Larsson, Ove; and Lenschow, Per, 4,815,911, Cl. 414-7.000.
Larsson, Per-Olof: *See—*
  Kloucek, Franz; Larsson, Per-Olof; and Vogt, Ernst, 4,832,253, Cl. 228-123.000.
  Kloucek, Franz; Larsson, Per-Olof; and Vogt, Ernst, 4,875,613, Cl. 228-44.300.
Larsson, Peter L.: *See—*
  Anderson, Milo D.; Holt, Neil L.; Larsson, Peter L.; and Richardson, Anthony R. W., 4,836,558, Cl. 277-1.000.
  Holt, Neil L.; Larsson, Peter L.; Mohebban, Manoochehr; Sheehan, Stephen E.; and Bennett, Jeffrey A., 4,868,967, Cl. 29-450.000.
Larsson, Torsten: *See—*
  Johansson, Arne; and Larsson, Torsten, 4,848,240, Cl. 104-10.000.
LaRue, Albert D., to Babcock & Wilcox Company, The. Burner for coal, oil or gas firing. 4,836,772, 6-6-89, Cl. 431-285.000.
LaRue, George S.: *See—*
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Larue, Joseph; and Rojey, Alexandre, to Institut Francais du Petrole. Self-cooled process for extracting heavy hydrocarbon fractions. 4,822,948, 4-18-89, Cl. 585-834.000.
Laruelle, Claude; Lepant, Marcel; and Raynier, Bernard, to Panmedica S.A. Symmetrical O-substituted dioximes of benzo-fused β-diketocycloalkylenes, the processes for their preparation and their application to drugs. 4,804,684, 2-14-89, Cl. 514-640.000.
Laruelle, Gerard: *See—*
  Venables, Anne; Regard, Dominique; and Laruelle, Gerard, 4,821,962, Cl. 239-265.150.
Larws, Peter. Base element for the production of panels for a toy construction system. 4,813,904, 3-21-89, Cl. 446-118.000.
Larws, Peter, to Palmondial S.A. Wheel for a modular assembly system. 4,861,307, 8-29-89, Cl. 446-95.000.
Lary, Steven R.: *See—*
  Huang, Min N.; Lary, Steven R.; and McFarlane, Claude L., 4,817,511, Cl. 99-349.000.
Lary, Todd P.; Quintana, Jorge A.; Miranda, Osvaldo E.; DeChristopher, John R., Sr.; and Hollinger, John D., to Coulter Corporation. Biological sample mixing apparatus and method. 4,845,025, 7-4-89, Cl. 435-2.000.
Lasa Industries, Inc.: *See—*
  Burns, Leslie L., 4,865,683, Cl. 156-627.000.
Lasagni, Diego; and Mandara, Francesco P., to Marelli Autronica S.p.A. Electronic system for controlling the ignition of an internal combustion engine, particularly for motor vehicles. 4,799,471, 1-24-89, Cl. 123-644.000.
LaSalle, Lowell L. Golf game utilizing a shortened fairway having full scale realism. 4,836,551, 6-6-89, Cl. 273-185.00B.
La Salle, Roger J.; and Riordan, Roger H. S., to Teletech Pty. Ltd. Remote disconnection and short-circuiting apparatus and method. 4,862,491, 8-29-89, Cl. 379-6.000.
Lasarray Holding AG: *See—*
  Kempter, Meinrad; and Doering, Elko, 4,809,014, Cl. 346-76.00L.
  Kempter, Meinrad; and Glauser, Paul, 4,871,896, Cl. 219-121.600.
Lasater, Allen S.: *See—*
  Knopp, Kelly G.; and Lasater, Allen S., 4,816,134, Cl. 208-113.000.
Lasberg, Ingo: *See—*
  Guldner, Ralf; Lasberg, Ingo; Wittmann, Kurt; and Kindleben, Gerd, 4,836,975, Cl. 376-272.000.
Lascar, Marcel; and Charpentier, Jacques. Double compartment syringe. 4,834,714, 5-30-89, Cl. 604-191.000.
Laschinski, Dieter H.: *See—*
  Neubauer, Rudolf F. W.; Jungbluth, Werner W.; and Laschinski, Dieter H., 4,853,938, Cl. 372-65.000.
Lasdon, Lloyd; Krohn, Harvey; and Lasdon, Stuart, to Elescon, Inc. Low calorie peanut spread. 4,828,868, 5-9-89, Cl. 426-633.000.
Lasdon, Stuart: *See—*
  Lasdon, Lloyd; Krohn, Harvey; and Lasdon, Stuart, 4,828,868, Cl. 426-633.000.
La See, Jack C. Concealed snap-in grill clip. 4,854,100, 8-8-89, Cl. 52-456.000.
Lasenga, Werner, to Hergeth Hollingsworth GmbH. Apparatus for producinhg fibrous webs of superposed web layers. 4,805,269, 2-21-89, Cl. 19-106.00R.
Lasenga, Werner, to Hergeth Hollingsworth GmbH. Apparatus for compacting a nonwoven fabric, etc. 4,809,404, 3-7-89, Cl. 19-106.00R.
Laser Alignment, Inc.: *See—*
  Nielsen, Edward G.; and Steenwyk, Timothy E., 4,805,086, Cl. 364-167.010.
  Nielsen, Edward G.; and Steenwyk, Timothy E., 4,829,418, Cl. 364-167.010.
  Nielsen, Edward G.; and Steenwyk, Timothy E., 4,866,641, Cl. 364-559.000.
  Nielsen, Edward G., 4,884,939, Cl. 414-698.000.
Laser Applications, Inc.: *See—*
  Hess, Albert J., III, 4,798,931, Cl. 219-121.640.
  Hess, Albert J., III, 4,859,826, Cl. 219-121.630.
Laser Communications, Inc.: *See—*
  Grotzinger, Timothy L., 4,882,774, Cl. 455-617.000.
  Walter, Richard K., 4,879,764, Cl. 455-607.000.
Laser Diode Products, Inc.: *See—*
  Martin, Danny W.; Osterhage, Rodney J.; and Summa, Kenneth M., 4,805,177, Cl. 372-34.000.
  Martin, Danny W., 4,864,584, Cl. 372-75.000.
Laser Impressions (Stockport) Limited: *See—*
  Winterburn, Charles B., 4,835,544, Cl. 346-1.100.
Laser Industries Ltd.: *See—*
  Karny, Ziv; Arieli, Rami; and Schwebel, Alan, 4,830,462, Cl. 350-96.300.
Laser Lab Limited: *See—*
  Thomas, Bruce A.; Sapozhnikov, Gregory; and Shaw, Robert L., 4,855,565, Cl. 219-121.790.
Laser Limited, Inc.: *See—*
  Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charles W., Jr.; Blais, Louis O.; Andersen, Carl E.; and Feeley, J. Terence, 4,830,261, Cl. 228-102.000.
Laser Magnetic Storage International Company: *See—*
  Bracht, Roger R.; and Verboom, Johannes J., 4,882,721, Cl. 369-54.000.
  Briones, Robert A., 4,862,646, Cl. 51-105.0LG.
  Davis, Marvin B., 4,823,214, Cl. 360-97.010.
  Getreuer, Kurt W.; and Schell, David L., 4,855,977, Cl. 369-32.000.
  Getreuer, Kurt W.; and Schell, David L., 4,864,552, Cl. 369-46.000.
  Getreuer, Kurt W.; Verboom, Johannes J.; and Sonneville, Pierre R., 4,879,707, Cl. 369-46.000.
  Getreuer, Kurt W.; and Verboom, Johannes J., 4,879,708, Cl. 369-46.000.
  Lee, Wai-Won, 4,879,706, Cl. 369-45.000.
  Schonfeld, Arnold; and Lane, Robert L., 4,805,045, Cl. 360-60.000.
  Smith, Jay A., 4,828,201, Cl. 242-195.000.
  Verboom, Johannes J.; and Steenbergen, Christiaan, 4,802,154, Cl. 369-59.000.
Laser Metric Systems, Inc.: *See—*
  Papurt, David M.; and Cohen, David A., 4,816,744, Cl. 324-61.00R.
Laser Photonics, Inc.: *See—*
  DeHart, Anthony G., 4,819,630, Cl. 128-303.100.
Laser Precision Corporation: *See—*
  Dingle, Larry A., 4,888,714, Cl. 364-525.000.
  Doyle, Walter M., 4,810,093, Cl. 356-346.000.
  Doyle, Walter M., 4,812,041, Cl. 356-346.000.
  Doyle, Walter M., 4,835,389, Cl. 250-343.000.
  Doyle, Walter M., 4,843,242, Cl. 250-330.000.
  Doyle, Walter M.; and Hughes, Norman S., 4,852,955, Cl. 350-1.200.
  Gentile, John R., 4,875,772, Cl. 356-73.100.
  Shafer, Kenneth H., 4,812,241, Cl. 210-658.000.
Laser Products Corporation: *See—*
  Reynolds, Edward C., Jr., 4,856,218, Cl. 42-103.000.
Laser Science, Inc.: *See—*
  Hsia, James C., 4,817,107, Cl. 372-61.000.
  Javan, Ali, 4,815,085, Cl. 372-32.000.
  Javan, Ali, 4,817,099, Cl. 372-32.000.
  Javan, Ali, 4,841,529, Cl. 372-32.000.
  Javan, Ali, 4,864,587, Cl. 372-97.000.
Laser Surgery Software, Inc.: *See—*
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Lasercheck Limited: *See—*
  Gabriel, David; Audus, David; and Strange, Norman, 4,840,490, Cl. 356-37[illegible].000.
Laserdrive Ltd.: *See—*
  Chung, Chi H.; Rees, Theodore D.; and Turner, Ian, 4,873,680, Cl. 369-59.000.
Lasers Applications Belgium, en abrege Label S.A.: *See—*
  Biernaux, Alain; and Laude, Lucien, 4,826,583, Cl. 204-224.00R.
Laserscope: *See—*
  Losch, Richard C., 4,800,877, Cl. 128-303.100.
Lasersense, Inc.: *See—*
  Wiedemann, Rudolf A., 4,856,902, Cl. 356-375.000.
Lasertrak Corporation: *See—*
  Selby, Howard W., III, 4,827,419, Cl. 364-443.000.
Laservideo, Inc.: *See—*
  Nomula, Ram R.; and Parish, Robert S., 4,819,799, Cl. 206-310.000.
Lash, Gerald D. Tackle retriever apparatus. 4,848,020, 7-18-89, Cl. 43-17.200.
Lash, Glen R., to Procter & Gamble Company, The. Shaped disposable diapers with elastically contractible waistbands. 4,808,252, 2-28-89, Cl. 156-73.100.
Lash, Harvey. Female condom. 4,867,176, 9-19-89, Cl. 128-830.000.
Lash, Kenneth E.: *See—*
  Brand, Marc I.; Lash, Kenneth E.; and Torres, Brenda A., 4,829,285, Cl. 340-573.000.
Lashbrook, Larry D., to Hamilton C. Forman, Trustee. Turbocharger/supercharger control device. 4,817,387, 4-4-89, Cl. 60-611.000.
Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L.; and Henderson, Thomas B., to United States of America, Navy. Optical arithmetic logic using the modified signed-digit redundant number representation. 4,838,646, 6-13-89, Cl. 350-169.000.
Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L.; and Henderson, Thomas B., to United States of America, Navy. Optical arithmetic logic using the modified signed-digit redundant number representation. 4,863,247, 9-5-89, Cl. 350-401.000.
Lashlee, Curtis N., to TransFresh Corporation. Systems for providing and delivering preservative gases to enclosures containing perishable products. 4,843,956, 7-4-89, Cl. 99-468.000.
Lashmore, David S.; Weisshaus, Ilan; and NamGoong, Eok, to United States of America, Commerce. Electrodeposition of chromium from a trivalent electrolyte. 4,804,446, 2-14-89, Cl. 204-51.000.
Lashomb, Donald A., to Rockland Form-A-Plastic, Inc. All-plastic check valve. 4,850,393, 7-25-89, Cl. 137-528.000.

Lasier, Thomas R.; and Downey, William L., to Schlage Lock Company. Door position indicator for a door closer. 4,835,905, 6-6-89, Cl. 49-14.000.

Lasier, Thomas R.; and Ford, Thomas G., to Schlage Lock Company. Tamper resistant track assembly. 4,864,686, 9-12-89, Cl. 16-95.00R.

Lasjaunias, Thierry: *See—*

Perville, Jacques; Lasjaunias, Thierry; Dard, Jean-Claude; and Jaffres, Remy, 4,832,512, Cl. 400-18.000.

Lask, Gert-Wilhelm; and Nooden, Robert, to International Minerals & Chemical Corporation. Process for producing silicon or ferrosilicon in a low-shaft electric furnace. 4,820,341, 4-11-89, Cl. 75-10.610.

Laska, Caroline: *See—*

Fairchild, Tim M.; Laska, Caroline; and Ward, Gary H., 4,883,935, Cl. 219-10.55E.

Laska, Eugene M.: *See—*

Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,829,064, Cl. 514-255.000.

Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,839,354, Cl. 514-226.500.

Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,840,962, Cl. 514-406.000.

Sunshine, Abraham; and Laska, Eugene M., 4,851,444, Cl. 514-570.000.

Sunshine, Abraham; and Laska, Eugene M., 4,868,214, Cl. 514-568.000.

Sunshine, Abraham; Laska, Eugene M.; and Siegel, Carole E., 4,871,733, Cl. 514-212.000.

Sunshine, Abraham; and Laska, Eugene M., 4,883,818, Cl. 514-570.000.

Laskaris, Evangelos T., to General Electric Company. Superconducting magnetic resonance magnet and method of making same. 4,800,354, 1-24-89, Cl. 335-216.000.

Laske, Lawrence L. Adjustable lamp. 4,827,390, 5-2-89, Cl. 362-427.000.

Laske, Lawrence L. Adjustable lamp. 4,847,740, 7-11-89, Cl. 362-427.000.

Laskey, Paul S., to AEG Westinghouse Transportation Systems, Inc. Train control having improved wheel wear adjustment for more accurate train operation. 4,819,168, 4-4-89, Cl. 364-424.010.

Laskody, Richard J. Anchor device for gastrointestinal tube. 4,804,374, 2-14-89, Cl. 604-180.000.

Laskowski, Donald R.; and Tekulve, Daniel R., to Laskowski Enterprises, Inc. Band saw wheel. 4,878,411, 11-7-89, Cl. 83-820.000.

Laskowski Enterprises, Inc.: *See—*

Laskowski, Donald R.; and Tekulve, Daniel R., 4,878,411, Cl. 83-820.000.

Laskus, Rolf: *See—*

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Lasky, Jerome B.: *See—*

Kerbaugh, Michael L.; Koburger, Charles W., III; Lasky, Jerome B.; Parries, Paul C.; and White, Francis R., 4,799,990, Cl. 156-636.000.

Lasky, Laurence A.: *See—*

Berman, Phillip W.; and Lasky, Laurence A., 4,855,224, Cl. 435-5.000.

Lasley, Robert D.: *See—*

Mentzer, Robert M., Jr.; Ely, Stephen W.; Lasley, Robert D.; and Berne, Robert M., 4,880,783, Cl. 514-46.000.

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Arnout, Michel; Fonteneau, Patrick; and Lasnier, Didier, 4,821,963, Cl. 239-419.300.

Lasoen, Joan J., to Massey-Ferguson Services N.V. Power take-off drive unit. 4,811,614, 3-14-89, Cl. 74-15.630.

LaSota, Denis E.: *See—*

Banyai, Bruce E.; LaSota, Denis E.; and Strunk, Dennis L., 4,863,512, Cl. 75-5.000.

Lasota, Jacek: *See—*

Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwar[illegible]cz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; [illegible]rozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.

LaSota, Larry. Linear motor. 4,835,425, 5-30-89, Cl. 310-14.000.

LaSota, Larry. Conformable seal. 4,858,992, 8-22-89, Cl. 297-284.000.

LaSota, Laurence. Serial electrical connector. 4,850,889, 7-25-89, Cl. 439-262.000.

Lasowski, Juergen: *See—*

Barthold, Klaus; Oppenlaender, Knut; Lasowski, Juergen; and Baur, Richard, 4,814,394, Cl. 525-405.000.

Lasperas, Monique: *See—*

Commeyras, Auguste A.; Taillades, Jacques R.; Brugidou, Jean; Sola, Regine; Previero, Aldo; Mion, Louis; Pascal, Robert J.; Lasperas, Monique; and Roussel, Alain, 4,851,576, Cl. 564-126.000.

Laspeyres, Marc, to Solaronics Vaneecke. Radiant burners with a ceramic frame. 4,799,879, 1-24-89, Cl. 431-328.000.

Lassanske, George G., to Outboard Marine Corporation. Engine with exhaust gas sensing. 4,831,820, 5-23-89, Cl. 60-276.000.

Lassaux, Jean; and Stephan, Thierry, to Telecommunications Radioelectriques et Telephoniques T.R.T. Apparatus for detecting and discriminating phase jumps in a periodic signal and its application to a telephone tone signal with phase inversions. 4,829,566, 5-9-89, Cl. 179-410.000.

Lassche, Jakob. Device for connecting and disconnecting a body to be temporarily retained with and from a holder respectively. 4,830,167, 5-16-89, Cl. 194-247.000.

Lassen, Frederich O.; Cesco-Cancian, Anna M.; and Huffman, Dawn M., to Kimberly-Clark Corporation. Anatomically shaped self-aligning, sanitary protection device. 4,804,380, 2-14-89, Cl. 604-385.100.

Lassen, Frederich O.; Peerenboom, Robert J.; and Schultz, Chen L., to Kimberly-Clark Corporation. Labial sanitary pad. 4,846,824, 7-11-89, Cl. 604-385.100.

Lassen, Jorgen B., to A/S Ferrosan. Treatment of pain with a piperidine. 4,804,669, 2-14-89, Cl. 514-326.000.

Lasser, Clifford: *See—*

Steele, Guy L., Jr.; Hillis, W. Daniel; Blelloch, Guy; Drumheller, Michael; Kahle, Brewster; Lasser, Clifford; Ranade, Abhiram; Salem, James; and Sims, Karl, 4,827,403, Cl. 364-200.000.

Lassi, Karl-Gunnar; and Carlsson, Lars-Olof, to ABU Garcia Produktion AB. Dragging device for a spinning reel. 4,830,307, 5-16-89, Cl. 242-84.50A.

Lassiaz, Philippe; Villata, Gino; and Beccaris, Carlo, to Valeo. Clutch release bearing. 4,854,436, 8-8-89, Cl. 192-98.000.

Lassiaz, Philippe: *See—*

Gay, Christian; and Lassiaz, Philippe, 4,852,710, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, 4,872,539, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, 4,878,572, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, 4,881,629, Cl. 192-98.000.

Gay, Christian; and Lassiaz, Philippe, 4,883,155, Cl. 192-98.000.

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Lassiter, B. Dean, to Burlington Industries, Inc. Nylon impression fabric-acoustical application. 4,838,380, 6-13-89, Cl. 181-291.000.

Lassiter, Perry B.; and Rea, Larry B., to Combustion Engineering, Inc. Silicon carbide refractory composition. 4,800,181, 1-24-89, Cl. 501-89.000.

Lassiter, Thomas W.: *See—*

Dolins, Steven B.; Srivastava, Aditya; Flinchbaugh, Bruce E.; Gunturi, Sarma S.; Lassiter, Thomas W.; and Love, Robert L., 4,846,928, Cl. 156-626.000.

Lassie, Edwin, to Robert Krause GmbH & Co. KG. Ring binder mechanism. 4,798,491, 1-17-89, Cl. 402-39.000.

Lasslo, Andrew; Quintana, Ronald P.; Dugdale, Marion; and Johnson, Randy W., to Research Corporation. Platelet aggregation inhibitory agents and intermediates therefor. 4,798,830, 1-17-89, Cl. 514-314.00

Lassmann, Eberhard; Helmling, Robert; and Beran, Franz, to Lur Aktiengesellschaft. Process for scrubbing of NO and/or SO_2 from gas mixtures. 4,885,146, 12-5-89, Cl. 423-235.000.

Lassmann, Manfred: *See—*

Raasch, Hans; Schlosser, Helmut; Ruge, Joachim; Goetten, Heinz-Dieter; Lassmann, Manfred; and Schippers, Norbert, 4,825,632, Cl. 57-264.000.

L'Association Internationale abut Scientifique, dite "Institut International de Pathologie Cellulaire et Moleculaire": *See—*

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Last, Anthony J., to Rainbow Star Licensing S.A. Passive heating pa 4,832,031, 5-23-89, Cl. 128-402.000.

Last, Larry L.: *See—*

Evans, Anthony C.; and Last, Larry L., 4,854,423, Cl. 188-70.00

Laster, Pat. Tree cutting apparatus. 4,802,517, 2-7-89, Cl. 144-34.00E.

Laster, Stanley J.; Meek, Robert A.; and Shirley, Thomas E., to Mobil Oil Corporation. Seismic trace restoration using F-K filtering. 4,860,265, 8-22-89, Cl. 367-73.000.

Laster, Stanley J.; Meek, Robert A.; and Shirley, Thomas E., to Mobil Oil Corporation. Method of restoring seismic data. 4,884,2 11-28-89, Cl. 367-73.000.

Lasto, Clifford S., to Air-Vac Engineering Company, Inc. Ultra-high vacuum force, low air consumption pumps. 4,880,358, 11-14-89, C 417-174.000.

Lastochkin, Boris N.: *See—*

Budyko, Viktor A.; Ivanchenko, Andrei F.; Krokhmal, Vladimir M.; Konovalenko, Vladimir V.; Nechvolodov, Georgy V.; Lastochkin, Boris N.; and Kutsov, Valentin D., 4,885,6 C 361-13.000.

Lasukova, Ljudmila P.: *See—*

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LaSusa, Vincent: *See—*

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Laszlo, Geza: *See—*

Palotas, Laszlo; Laszlo, Geza; Horvath, Lazlo; Barta, Arpad; Marion, Barnabas; and Szarka, Ferencne , 4,880,20 C 251-356.000.

Laszlo, Gyorgy: *See—*

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Laszlo, Karoly: *See—*

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Laszlo, Lakatos: *See—*

Francois, Corcelle; and Laszlo, Lakatos, 4,820,894, Cl. 219-69

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Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; and Laszlovszky, Istvan, 4,874,765, Cl. 514-255.000.

Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.

Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Kr[illegible], Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.

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Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,868,16[illegible], Cl. 514-255.000.

Lata, Walter J.; and Trupiano, Michael S., to Boeing Company, The. Programmable multifunction keyboard. 4,853,888, 8-1-89, Cl. 364-900.000.

Latash, Jury V.: *See—*

Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.

Latassa, Frank M.; and Wilson, William E., to North American Philips Corp. Fluorescent lamp having a multi-layer phosphor optimized for lumen output, color rendering and cost. 4,879,492, 11-7-89, Cl. 313-487.000.

Latchways Limited: *See—*

Tupper, Alan W., 4,846,075, Cl. 104-209.000.

Lategan, Christiaan B.; and Schwellnus, Theodore E., to Cibela Patents CC. Drawing instruments. 4,819,338, 4-11-89, Cl. 33-437.000.

Latel, Ernest; and Johnson, John A., to Arlat Inc. Ultraviolet water treatment apparatus. 4,825,083, 4-25-89, Cl. 250-436.000.

Latella, Anthony; and Casciani, Robert V., to Sandoz Ltd. Ether sulfates of a mixture of branched 1-decanols. 4,879,399, 11-7-89, Cl. 558-34.000.

Laterza, Joseph. Plant spinner. 4,873,790, 10-17-89, Cl. 47-67.000.

Lateulere, Jean-Louis: *See—*

Casanova, Philippe; and Lateulere, Jean-Louis, 4,856,572, Cl. 152-454.000.

Latham, Craig V.: *See—*

Wear, Boyd A.; Latham, Craig V.; and Priser, James A., 4,878,533, Cl. 164-16.000.

Latham, Francis G.: *See—*

Stoor, Phillip G. J.; Bentley, Peter G.; and Latham, Francis G., 4,867,168, Cl. 128-653.000.

Latham, Harry L., Jr., to James G. Biddle Co. System and method of simultaneously measuring a multiplicity of grounds on utility poles. 4,866,391, 9-12-89, Cl. 324-509.000.

Latham, Philip A. Streamlined freeboard measuring device. 4,887,361, 12-19-89, Cl. 33-720.000.

Latham, Wayne M.: *See—*

Evans, Robert S.; Latham, Wayne M.; Powers, Thomas; and Robertson, Michael O., 4,859,943, Cl. 324-216.000.

Latham, William J.; Brewer, Terry L.; and Hunninghake, Jeffry, to Brewer Science, Inc. Light absorbing coating. 4,822,718, 4-18-89, Cl. 430-271.000.

Latham, William J.: *See—*

Brewer, Terry L.; Hawley, Dan W.; Lamb, James E.; Latham, William J.; and Stichnote, Lynn K., 4,876,165, Cl. 430-7.000.

Lathers, Michael W., to Outboard Marine Corporation. Access ladder for pleasure watercraft. 4,813,514, 3-21-89, Cl. 182-97.000.

Lathers, Michael W. Modular seat for recreational boats. 4,869,551, 9-26-89, Cl. 297-443.000.

Lathers, Michael W., to Outboard Marine Corporation. Convertible dinette/sleeper for recreational boat. 4,879,962, 11-14-89, Cl. 114-188.000.

Lathom, Michael S.; Gullixson, Bruce B.; and Sweat, Bruce P. Switched capacitive ballasts for discharge lamps. 4,808,886, 2-28-89, Cl. 315-227.00R.

Lathrop, Olin G., to Apollo Computer, Inc. Display controller utilizing attribute bits. 4,857,901, 8-15-89, Cl. 340-703.000.

Latif, Sherif; and Ryan, Robert F., to BOC Group, Inc., The. Fumigant system. 4,889,708, 12-26-89, Cl. 424-43.000.

Latimer, Edward G.; and Jones, Richard W., to Phillips Petroleum Company. Removal of copper and iron from oil. 4,808,299, 2-28-89, Cl. 208-251.00R.

Latino, Sandra L.: *See—*

Latino, Vincent P.; and Latino, Sandra L., 4,875,526, Cl. 169-24.000.

Latino, Vincent P.; and Latino, Sandra L. Rough terrain, large water volume, track driven firefighting apparatus and method. 4,875,526, 10-24-89, Cl. 169-24.000.

Latka, Franz, to Alfred Teves GmbH. Safety relay circuit for switching on electric systems of automotive vehicles. 4,841,158, 6-20-89, Cl. 307-10.100.

Latka, Franz: *See—*

Burgdorf, Jochen; and Latka, Franz, 4,802,710, Cl. 303-11.000.

Reinartz, Hans D.; Steffes, Helmut; and Latka, Franz, 4,848,847, Cl. 303-11.000.

Latman, Neal S.; Kishore, Vimal; and Bruot, Brent C. 16-epiestriol to prevent, inhibit or reduce inflammation. 4,795,747, 1-3-89, Cl. 514-182.000.

Laton, Richard W.; Chase, Charles E., Jr.; and Montress, Gary K., to Raytheon Company. Surface acoustic wave oscillator. 4,871,984, 10-3-89, Cl. 331-107.00A.

Latone, Salvatore, to M.T.S.L. Associates. Sheet sorter apparatus. 4,872,663, 10-10-89, Cl. 271-294.000.

Latorra, Michael N.: *See—*

Effenberger, John A.; Koerber, Keith G.; Latorra, Michael N.; and Petriello, John V., 4,883,716, Cl. 428-421.000.

Latorre, Bernard; and Foucher, Claude, to U.S. Philips Corporation. Method of manufacturing a spring of the cylindrical type to be used at high temperature. 4,826,143, 5-2-89, Cl. 267-148.000.

LaTorre, Joseph S., to Lok-Fast, Inc. Universal tool adapters for blind fastener installation tools and a universal method for installation of blind fasteners. 4,836,062, 6-6-89, Cl. 81-55.000.

Latorre, Nestor R. Orthopedic pillow which minimizes snoring. 4,850,067, 7-25-89, Cl. 5-431.000.

Latos, Edwin J.: *See—*

Calcaterra, Lidia T.; DeFilippi, Louis J.; Childs, Michael E.; and Latos, Edwin J., 4,810,567, Cl. 428-224.000.

Latosky, Joseph A., to Sun Chemical Corporation. Phosphate ester pigment dispersant. 4,872,916, 10-10-89, Cl. 106-503.000.

Latour, Elisabeth: *See—*

Bonne, Claude; Coquelet, Claude; and Latour, Elisabeth, 4,871,742, Cl. 514-262.000.

Latour, Guy; Himmelsbach, Richard; and Friedman, Denis R., to Filtron Technology Corporation. Bidirectional ultrafiltration apparatus. 4,849,102, 7-18-89, Cl. 210-321.840.

Latour, Marc R.: *See—*

Weits, Ferdinand; Mekelburg, William F.; and Latour, Marc R., 4,838,419, Cl. 206-386.000.

Latour, Robert A., Jr.; and Black, Jonathan, to University of Pennsylvania, Trustees of the. Miniature closed-loop dynamic universal mechanical testing machine. 4,858,473, 8-22-89, Cl. 73-805.000.

Latourrette, Bertrand: *See—*

David, Claire; Magnier, Claude; and Latourrette, Bertrand, 4,859,432, Cl. 423-21.100.

Latrobe Steel Company: *See—*

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Latronics Corporation: *See—*

Luttner, Richard J.; and Yurko, Ronald J., 4,843,452, Cl. 357-68.000.

Latsko, James M., to Eaton Corporation. Coupling assembly and friction shoe therefor. 4,795,013, 1-3-89, Cl. 192-88.00B.

Latta, Lee M. Steering wheel lock. 4,823,573, 4-25-89, Cl. 70-209.000.

Latta, Loren L.: *See—*

Finnieston, Alan; Burkhalter, William E.; Reyes, Franklin; and Latta, Loren L., 4,873,968, Cl. 128-87.00R.

Lattes, Armand: *See—*

Gautier, Martine; Rico, Isabelle; Lattes, Armand; and Bertocchio, Rene, 4,855,025, Cl. 204-157.860.

Lattice Semiconductor Corporation: *See—*

Turner, John E., 4,833,646, Cl. 365-185.000.

Turner, John E.; and Liebler, Jerome E., 4,852,044, Cl. 364-900.000.

Turner, John E.; Rutledge, David L.; and Darling, Roy D., 4,855,954, Cl. 365-185.000.

Turner, John E.; Rutledge, David L.; and Darling, Roy D., 4,879,688, Cl. 365-201.000.

Turner, John E., 4,887,239, Cl. 365-185.000.

Lattin, Gary A.: *See—*

Spevak, Richard; Lattin, Gary A.; and Jevne, Allan H., 4,820,263, Cl. 604-20.000.

Lattner, Manfred: *See—*

Nickolay, Helmut; and Lattner, Manfred, 4,870,720, Cl. 19-288.000.

Lattrell, Rudolf; Durckheimer, Walter; and Kirrstetter, Reiner, to Hoechst Aktiengesellschaft. Crystallized cephem-acid addition salts, and a process for the preparation thereof. 4,845,087, 7-4-89, Cl. 514-202.000.

LaTulippe, Michael A. Dart game practice shield. 4,850,598, 7-25-89, Cl. 273-408.000.

Latussek, Hans-Peter: *See—*

Bruen, Johannes; and Latussek, Hans-Peter, 4,875,869, Cl. 439-189.000.

Brune, Johannes; and Latussek, Hans-Peter, 4,861,274, Cl. 439-189.000.

Brune, Johannes; and Latussek, Hans-Peter, 4,871,324, Cl. 439-189.000.

Latvala, Bruce E., to Allied-Signal Inc. Proportioning brake control valve with caged tare pressure spring. 4,850,651, 7-25-89, Cl. 303-9.660.

Latvys, Evaldas J.; and Barnhart, Ronald W., to Economy Engineering Company. Wheel suspension sensing system. 4,821,835, 4-18-89, Cl. 180-282.000.

Latzke, Arno W., to Indentor AG. Means for storing and distributing heat and use thereof. 4,887,368, 12-19-89, Cl. 36-44.000.

Latzko, Robert L.: *See—*

Mrugala, Ronald J.; Raymer, Doyle; Negandhi, Dipak J.; and Latzko, Robert L., 4,881,380, Cl. 62-389.000.

Lau, Bernhard, to Nokia Graetz GmbH. In-line gun system for a color picture tube. 4,843,278, 6-27-89, Cl. 313-414.000.

Lau, Cheuk K.; Yoakim, Christiane; Rokach, Joshua; Fortin, Rejean; and Guindon, Yvan, to Merck Frosst Canada, Inc. Pharmaceutical

compositions of phenothiazone derivatives and analogs. 4,859,667. 8-22-89, Cl. 514-224.500.
Lau, Cheuk K.: *See—*
Atkinson, Joseph G.; Guindon, Yvan; and Lau, Cheuk K., 4,822,803, Cl. 514-320.000.
Fortin, Rejean; Lau, Cheuk K.; Guindon, Yvan; Rokach, Joshua; and Yoakim, Christiane, 4,845,083, Cl. 514-80.000.
Guindon, Yvan; Girard, Yves; Lau, Cheuk K.; Fortin, Rejean; Rokach, Joshua; and Yoakim, Christiane, 4,876,246, Cl. 514-80.000.
Lau, Chi-Leung, to Bell Communications Research, Inc. Survivable ring network. 4,835,763, 5-30-89, Cl. 370-16.000.
Lau, Felix P.: *See—*
Chernega, John G.; Martens, John A.; Lau, Felix P.; and Milner, Leslie M., 4,835,647, Cl. 360-135.000.
Lau, Francis S.; Mensinger, Michael C.; and Pyrcioch, Eugene J., to Institute of Gas Technology. Mechanical dewatering process. 4,810,257, 3-7-89, Cl. 44-27.000.
Lau, Frederick L., to Switchcraft. Inc. Jack circuit board assembly. 4,797,114, 1-10-89, Cl. 439-79.000.
Lau, Frederick L., to Switchcraft, Inc. Slab-like jack module. 4,820,200, 4-11-89, Cl. 439-607.000.
Lau, Frederick L., to Switchcraft, Inc. Self-latching lamp jack. 4,826,439, 5-2-89, Cl. 439-56.000.
Lau, Frederick L., to Switchcraft, Inc. Jackfield with front terminals. 4,874,317, 10-17-89, Cl. 439-54.000.
Lau, Frederick L.: *See—*
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Lau, Henry T.: *See—*
Reemtsma, Keith; Hardy, Mark A.; and Lau, Henry T., 4,861,704, Cl. 435-1.000.
Lau, James C., to Johnson Electric Industrial Manufactory, Limited. Brush gear for an electric motor. 4,883,998. 11-28-89, Cl. 310-239.000.
Lau, Jark C., to Kimberly-Clark Corporation. Extrusion process using a central air jet. 4,818,464, 4-4-89, Cl. 264-510.000.
Lau, John J.; and Fang, Si-Ming, to Mactronix, Inc. Semiconductor wafer transfer apparatus with back-to-back positioning and separation. 4,856,957, 8-15-89, Cl. 414-404.000.
Lau, John R.: *See—*
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Lau, John W.; and Bennet, Kevin E., to W. R. Grace & Co.-Conn. Imaging process for forming ceramic electronic circuits. 4,828,961, 5-9-89, Cl. 430-198.000.
Lau, Kam Y.: *See—*
Kwong, Sze-Keung; Lau, Kam Y.; Bar-Chaim, Nadav; and Ury, Israel, 4,843,611, Cl. 372-46.000.
Lau, Kenneth K.; and Gillard, David F., to MacMillan Bloedel Limited. End closure for a multi-walled container. 4,830,271, 5-16-89, Cl. 229-117.000.
Lau, Kenny M. Protective fuel fill bib using flexible sheet with trough shaper. 4,817,691, 4-4-89, Cl. 141-390.000.
Lau, Kreisler S. Y., to Hughes Aircraft Company. Diethynylated diphenyl hexafluoropropanes 4,814,472, 3-21-89, Cl. 556-431.000.
Lau, Kreisler S. Y.; and Dougherty. Thomas K., to Hughes Aircraft Company. Method for synthesizing 2,2-bis(4-fluorophenyl)-hexafluoropropane and method for using same to synthesize poly(arylethers) and poly (arylthioethers). 4,827,054, 5-2-89, Cl. 570-141.000.
Lau, Kreisler S. Y.; Oldham, Susan L.; Elias, William E.; and Bigus, Stephen J., to Hughes Aircraft Company. Substituted aromatic silane compounds and method for preparation of same. 4,861,901, 8-29-89, Cl. 549-215.000.
Lau, Kreisler S. Y.; and Dougherty, Thomas K., to Hughes Aircraft Company. Poly(arylether) or poly(arylthioether) from 2,2-bis(fluorophenyl)-hexafluoropropane. 4,866,156, 9-12-89, Cl. 528-219.000.
Lau, Kreisler S. Y.: *See—*
Oldham, Susan L.; Elias, William E.; Bigus, Stephen J.; and Lau, Kreisler S. Y., 4,874,643, Cl. 427-340.000.
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Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.
Lau, Monica M.; and Coffinberry, George A., to General Electric Company. Multiple-propellant air vehicle and propulsion system. 4,811,556, 3-14-89, Cl. 60-206.000.
Lau, Monica M., and Coffinberry, George A., to General Electric Company. Multiple-propellant air vehicle and propulsion system. 4,841,723, 6-27-89, Cl. 60-204.000.
Lau, Philip T. S.: *See—*
Tang, Ping-Wah; Lau, Philip T. S.; Cowan, Stanley W.; Machonkin, Harold I.; and Chen, Tien-Teh, 4,804,620, Cl. 430-548.000.
Lau, Shek-Hong: *See—*
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Lau, Shek-Hong H.: *See—*
Gaffar, Abdul; Lau, Shek-Hong H.; Afflitto, John; and Nykvist, Arline M., 4,889,712, Cl. 424-52.000.
Lau, Steven E.: *See—*
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Lau, Wan F.: *See—*
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Laub Engineering Corporation: *See—*
Laub, Herman, III, deceased; and Hunt, Edward S., 4,817,683, Cl. 141-1.000.
Laub, Glenn W. Percutaneous venous cannula for cardiopulmonary bypass. 4,808,163, 2-28-89, Cl. 604-105.000.
Laub, Herman, III, deceased (by Laub, Louise M., executrix); and Hunt, Edward S., to Laub Engineering Corporation. Adjustable automatic accurate container filling machine. 4,817,683, 4-4-89, Cl. 141-1.000.
Laub, Louise M., executrix: *See—*
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Laub, Michael F.; and Sterner, Carl D., to AMP Incorporated. Gripper head. 4,865,375, 9-12-89, Cl. 294-88.000.
Laubach, Benno: *See—*
Wickel, Ulrike; Franz, Gerhard; and Laubach, Benno, 4,845,060, Cl. 501-97.000.
Laube, Ludwig; Leypold, Helmut; and Pioch, Erhard, to Robert Bosch GmbH. Apparatus for transferring articles to a packaging machine conveyor apparatus. 4,854,440, 8-8-89, Cl. 198-357.000.
Laubengayer, William R.: *See—*
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Lauber, Michael L., to Firestone Tire & Rubber Company, The. Autoluber. 4,802,556, 2-7-89, Cl. 184-102.000.
Lauber, Peter, to Conprinta Ltd. Flexographic printing machine, especially for flexographic blank printing. 4,856,429, 8-15-89, Cl. 101-486.000.
Laubner, Werner: *See—*
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Laucht, Horst; and Euskirchen, Jurgen F., to Messerschmitt-Bolkow-Blohm GmbH. Optical system for motion compensation of line scanners. 4,876,448, 10-24-89, Cl. 250-234.000.
Laucht, Jurgen: *See—*
Peehs, Martin; Bayer, Heinrich; Jenczio, Ulrich; Laucht, Jurgen; Hellmann, Sieghard; Dichtjar, Gerhard; Dorr, Wolfgang; and Maier, Georg, 4,816,193, Cl. 264-0.500.
Lauckhardt, Gerhard; and Kurzmann, Hadmar, to Siemens Aktiengesellschaft. Long field lamp. 4,811,177, 3-7-89, Cl. 362-220.000.
Lauckhardt, Gerhard; Schmoll, Kurt; and Kurzmann, Hadmar, to Siemens Aktiengesellschaft. Built-in ceiling light. 4,870,549, 9-26-89, Cl. 362-147.000.
Laude-Bousquet, Adrien, to Societe Thermique Generale Vinicole Process and apparatus for thermal control of winemaking. 4,814,189, 3-21-89, Cl. 426-15.000.
Laude, Jean-Pierre, to Instruments S.A. Wavelength multiplexer-demultiplexer corrected of geometric and chromatic aberrations 4,819,224, 4-4-89, Cl. 370-3.000.
Laude, Jean-Pierre, to Instruments SA. Wavelength multiplexer/demultiplexer using optical fibers. 4,836,634, 6-6-89, Cl. 350-96.190.
Laude, Lucien: *See—*
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Lauder, Arnold J.: *See—*
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Lauder, James V.; Burchett, Robert B.; and Karl, David H., to Motorola, Inc. Combined chassis retention and electrical contact arrangement. 4,815,980, 3-28-89, Cl. 439-76.000.
Laudig, Ronald C.; and Smith, Donald L., to AMP Incorporated Triaxial electrical cable connector. 4,799,902, 1-24-89, Cl. 439-585.000.
Laudig, Ronald C.: *See—*
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Capp, Randolph E.; Johnescu, Michael M.; Laudig, Ronald C. Michael, George W.; and Smith, Donald L., 4,799,900. Cl. 439-585.000.
Capp, Randolph E.; Laudig, Ronald C.; and Michael, George W. III, 4,850,905, Cl. 439-885.000.
Kobler, Robert J.; Laudig, Ronald C.; and Smith, Tracy L. 4,846,711, Cl. 439-63.000.
Laudon, Moshe: *See—*
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Laue, Eric G.; and Stephens, James B., to California Institute of Technology. Spiral configuration of electrodes and dielectric material for sensing an environmental property. 4,858,063, 8-15-89, Cl. 361-286.000.
Laue, Hans-Joachim: *See—*
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Lauener, Wilhelm F., to Larex AG. Side dam for a continuous casting machine. 4,794,978, 1-3-89, Cl. 164-431.000.
Lauener, Wilhelm F., to Larex AG. Casting nozzle consisting of several parts for feeding molten metal into the mold of a continuous casting machine. 4,798,315, 1-17-89, Cl. 222-591.000.

Lauener, Wilhelm F., to Larex AG. Roll casting process and roll casting system for carrying out the process. 4,823,860, 4-25-89, Cl. 164-480.000.
Lauener, Wilhelm F.; and Wurgler, Rolf, to Louener Engineering AG. Process and device for driving and synchronizing rolls. 4,848,635, 7-18-89, Cl. 226-181.000.
Lauener, Wilhelm F.; and Wurgler, Rolf, to Lauener Engineering AG. Appratus and method for reeling up strips. 4,850,546, 7-25-89, Cl. 242-79.000.
Lauer, Barry A.: *See—*
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Lauer, Herbert: *See—*
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Lauer, Norris A.: *See—*
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Lauermann, Georg; and Thobe, Clemens, to Henkel Kommanditgesellschaft auf Aktien. Taste of hens' eggs. 4,880,639, 11-14-89, Cl. 426-2.000.
Laufe, Leonard E.: *See—*
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Laufenburg, Willi; and Schneider, Alfred, to Siegenia-Frank KG. Wing frame for a window, door or the like with a clutch slide and connecting rod. 4,848,811, 7-18-89, Cl. 292-142.000.
Laufer, Engelbert: *See—*
Kurz, Arthur; Laufer, Engelbert; and Rohde, Wilfried, 4,827,202, Cl. 318-608.000.
Laufer, Helmut, to Deutsche Thomson-Brandt GmbH. Device for recording information on and playing it back from a driven recording medium. 4,800,553, 1-24-89, Cl. 369-263.000.
Laufer, Helmut, to Deutsche Thomson-Brandt GmbH. Disk player with magazine. 4,811,318, 3-7-89, Cl. 369-36.000.
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Fehlmann, Wolfgang; Hofer, Gerald; Junger, Dieter; Karle, Anton; and Laufer, Helmut, 4,873,956, Cl. 123-357.000.
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Lauffer, Adelbert, to Chr. Eisele Maschinenfabrik GmbH & Co. KG. Pneumatically operated stop for advanced workpieces. 4,828,446, 5-9-89, Cl. 414-17.000.
Lauffer, Adelbert, to Chr. Eisele Maschinenfabrik GmbH & Co. KG. Device for advancing several workpieces placed side by side. 4,848,532, 7-18-89, Cl. 198-456.000.
Lauffer, Adelbert, to Chr. Eisele Maschinenfabrik GmbH & Co. KG. Circular saw. 4,862,781, 9-5-89, Cl. 83-477.100.
Lauffer, Donald K.: *See—*
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Lauffer, Randall B., to General Hospital Corporation, The. Vivo enhancement of NMR relaxivity. 4,880,008, 11-14-89, Cl. 128-654.000.
Laugal, James A.; Martin, Glenn E.; St. Aubin, Donald L.; and Wold, Gerald G., to BASF Corporation, Inmont Division. Flexible aryl alkyl epoxy resins, their amine resin derivatives and their use in electrodeposition coatings. 4,857,567, 8-15-89, Cl. 523-415.000.
Laugal, Ruth C. O.; and Micheli, Adolph L., to General Motors Corporation. Method for forming patterned alumina film element. 4,824,768, 4-25-89, Cl. 430-323.000.
Laugenie, Jean-Marc: *See—*
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Laughery, Mark S.: *See—*
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Laughlin, James E. Hand pecan harvester. 4,848,071, 7-18-89, Cl. 56-328.100.
Laughlin, Patrick E. CPR mask. 4,802,857, 2-7-89, Cl. 434-265.000.
Laughlin, William C.; and Schulke, Dwight A., to Kerr-McGee Chemical Corporation. Process for preparing high purity Mn_3O_4. 4,812,302, 3-14-89, Cl. 423-605.000.
Laughlin, William D.: *See—*
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Laughman, Lanny M.: *See—*
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Laughner, Michael K.; and Ogoe, Samuel A., to Dow Chemical Company, The. Fire retardant impact modified carbonate polymer composition. 4,837,258, 6-6-89, Cl. 524-168.000.
Laughton, Miles: *See—*
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Laughton, William J.: *See—*
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Laugier, Jean-Pierre: *See—*
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Lauks, Imants R.; and Wieck, Henry J., to Integrated Ionics, Inc. Method and apparatus for testing chemical and ionic sensors. 4,864,229, 9-5-89, Cl. 324-158.00F.
Lauman, G. Fred: *See—*
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Laumeister, Hugh M., to Uptime Technologies, Inc. Fire-fighting equipment. 4,819,732, 4-11-89, Cl. 169-61.000.
Laumeister, William C.: *See—*
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Laumen, Michael. Heat exchanger. 4,795,618, 1-3-89, Cl. 422-202.000.
Laumond, Yves, to Alsthom. Synchronous machine having superconductive stator and rotor windings. 4,816,708, 3-28-89, Cl. 310-52.000.
Laumond, Yves; and Sabrie, Jean-Louis, to Societe Anonyme dite : ALSTHOM. Synchronous machine with superconducting windings. 4,862,023, 8-29-89, Cl. 310-54.000.
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Laundon, Roy D.; Wickens, Anthony J.; and Turner, John H. W., to Cookson Laminox Laminox. Process for preparing an iron oxide. 4,865,833, 9-12-89, Cl. 423-633.000.
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Lauper, Alfred; and Steffen, Andreas, to Siemens-Albis Aktiengeselischaft. Expander system for pulse signals. 4,812,771, 3-14-89, Cl. 328-109.000.
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Busch, Francis, Jr., 4,839,163, Cl. 424-63.000.
Lauraire, Michel: *See—*
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Belbel, Elie; Boucheron, Thierry; Lauraire, Michel; and Riotte, Jean-Paul, 4,888,661, Cl. 361-102.000.
Haury, Andre; Bebel, Elie; Lauraire, Michel; and Vergez, Andre, 4,800,352, Cl. 335-132.000.
Laurance, Joel E.; and Stewart, Walter M., to Satellite Financial Systems Corporation. Satellite communication system and method with message authentication suitable for use in financial institutions. 4,860,352, 8-22-89, Cl. 380-23.000.
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Laurello, Vincent P., to United Technologies Corporation. Turbine cooling and thermal control. 4,815,272, 3-28-89, Cl. 60-39.750.
Laurence, Brian R.; and Pickett, John A., to National Research Development Corp. Pheromones. 4,803,289, 2-7-89, Cl. 549-273.000.
Laurence, Brian R.; and Pickett, John A., to National Research Development Corporation. Pheromones. 4,844,892, 7-4-89, Cl. 424-84.000.
Laurence Harold A., to Laurence & Laurence, Inc. Shooter's hat having flexible side blinder attachments. 4,839,924, 6-20-89, Cl. 2-10.000.
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Laurenson, John G., Jr. Compost air injection and evacuation system with improved air control. 4,837,153, 6-6-89, Cl. 435-243.000.
Laurent, Aumercier, to Ferco International. Device for controlling a side-hung leaf of a door or window. 4,869,022, 9-26-89, Cl. 49-394.000.
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Laurent, Claude; Rostaing, Paul; and Lyobard, Rene, to Rhone-Poulenc Chimie. Elastoforming die/form block comprising low-hardness silicone elastomer. 4,824,891, 4-25-89, Cl. 524-264.000.
Laurent, Daniel; and Mayet, Jean C., to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Apparatus for the manufacture of reinforcements for tires. 4,795,523, 1-3-89, Cl. 156-397.000.

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Laurent, Daniel; and Mayet, Jean C., to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Method for the manufacture of reinforcements for tires. 4,801,344, 1-31-89, Cl. 156-117.000.
Laurent, Daniel, to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Nonpneumatic elastic tire. 4,867,217, 9-19-89, Cl. 152-5.000.
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Laurent, Sebastian M.; and Sanders, Robert N., to Eth[illegible]rporation. Bone disorder treatment. 4,847,085, 7-11-89, Cl. 424-684.000.
Laurent, Sebastian M.; and Sanders, Robert N., to Ethyl Corporation. Method of calming laying poultry. 4,862,829, 9-5-89, Cl. 119-1.000.
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Laurent, Yves; Verdier, Patrick; and Guyader, Jean, to Centre National de la Recherche Scientifique. Massive crystalline aluminosilicate with expanded structure and process for its manufacture. 4,797,377, 1-10-89, Cl. 501-39.000.
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Lauritsen, Hans C., to MAN B&W Diesel A/S. Engine plant comprising a plurality of turbo-charged combustion engines. 4,809,506, 3-7-89, Cl. 60-710.000.
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Lauritzen, Ann M., to Shell Oil Company. Ethylene oxide catalyst & process for preparing the catalyst. 4,820,675, 4-11-89, Cl. 502-216.000.
Lauritzen, Ann M., to Shell Oil Company. Ethylene oxide process. 4,833,261, 5-23-89, Cl. 549-536.000.
Lauritzen, Ann M.; Baker, David S.; Christiansen, Margot H.; Johnson, Beamon M.; and Schuren, John G., to Shell Oil Company. Process for starting-up an ethylene oxide reactor. 4,874,879, 10-17-89, Cl. 549-536.000.
Lauritzen, Donald R.; and Goin, Gregory R., to Morton Thiokol, Inc. Elongate gas generator for inflating vehicle inflatable restraint cushions. 4,796,912, 1-10-89, Cl. 280-736.000.
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Lauro, George L., to United States of America, Navy. Cost-optimal state feedback controller for all-attitude gimbal system. 4,811,233, 3-7-89, Cl. 364-453.000.
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Laursen, Larry J.; Coomer, Virgil W.; and Schrenk, Walter J., to Dow Chemical Company, The. Method of making a hollow light pipe. 4,806,289, 2-21-89, Cl. 264-1.500.
Laursen, Larry J.; Coomer, Virgil W.; and Schrenk, Walter J., to Dow Chemical Company, The. Method of making a polymeric optical waveguide by coextrusion. 4,871,487, 10-3-89, Cl. 264-1.500.
Laus, Guy G., to Exxon Chemical Patents Inc. Disposable liquid-absorbent products. 4,798,602, 1-17-89, Cl. 604-372.000.
Lausberg, Dietrich; Blinne, Gerd; Ittemann, Peter; Heinz, Gerhard; Seiler, Erhard; and Knoll, Manfred, to BASF Aktiengesellschaft. Thermoplastic molding materials. 4,798,855, 1-17-89, Cl. 523-435.000.
Lausberg, Dietrich; Seiler, Erhard; and Braun, Hans-Georg, to BASF Aktiengesellschaft. Thermoplastic molding compositions based on polycarbonates, polyesters and polyamides. 4,879,324, 11-7-89, Cl. 523-400.000.
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Lautenschlager, Karl, Jr., to Karl Lautenschlager GmbH & Co. KG Mobelbeschlagfabrik. Sheet metal insert cup for cabinet hinges having a mortise centering mechanism. 4,797,972, 1-17-89, Cl. 16-382.000.
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Lautenschlager, Reinhard, to Karl Lautenschlager GmbH & Co. KG. Fitting for the adjustable mounting of the runner of a drawer slide. 4,810,045, 3-7-89, Cl. 312-341.00R.
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Lavielle, Gilbert; and Poignant, Jean C., to Adir Et Cie. New piperazinylalkylpiperazinedione compounds. 4,877,788, 10-31-89, Cl. 514-252.000.
Lavielle, Gilbert; and Lepagnol, Jean, to ADIR Et Cie. 2-(2,3-dihydro-2-oxo-3-benzofuranyl)acetic acids antihypoxic and nootropic effects having. 4,885,299, 12-5-89, Cl. 514-253.000.
Lavielle, Gilbert; and Lepagnol, Jean, to Adir Et Cie. Acetamides derived from 2,3-dihydro-3-phenyl-2-benzofuranone. 4,886,799, 12-12-89, Cl. 514-233.500.
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Law, David J. C.; and Panesar, Lukhbir S., to Lucas Industries Public Limited Company. Fuel injection pumping apparatus. 4,877,005, 10-31-89, Cl. 123-458.000.
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Law, Kock-Yee; and Tarnawskyi, Ihor W., to Xerox Corporation. Bisazo photoconductive imaging members. 4,833,052, 5-23-89, Cl. 430-58.000.
Law, Kock-Yee; and Bailey, F. Courtney, to Xerox Corporation. Photoconductive imaging members with unsymmetrical squaraine compositions. 4,886,722, 12-12-89, Cl. 430-59.000.
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Lawford, Hugh G., to George Weston Limited. Continuous process for ethanol production by bacterial fermentation. 4,808,527, 2-28-89, Cl. 435-161.000.
Lawford, Hugh G., to George Weston Limited. Continuous process for ethanol production by bacterial fermentation. 4,812,410, 3-14-89, Cl. 435-161.000.
Lawford, Hugh G., to George Weston Limited. Continuous process for ethanol production by bacterial fermentation. 4,816,399, 3-28-89, Cl. 435-161.000.
Lawford, Hugh G., to George Weston Limited. Ethanol production by high performance bacterial fermentation. 4,830,964, 5-16-89, Cl. 435-162.000.
Lawford, Hugh G., to George Weston Limited. Continuous process for ethanol production by bacterial fermentation using pH control. 4,840,902, 6-20-89, Cl. 435-161.000.
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  Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,865,584, Cl. 604-67.000.
Lawhon, Stephen C. Cutting apparatus and method for separating a vehicle glazing seam. 4,819,531, 4-11-89, Cl. 83-56.000.
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Lawrence, Glen S.; Haynie, Timothy J.; Ferrario, Joseph D.; and Kyselica, Stefan P., to Ferranti Sciaky, Inc. Viewing optics for external-mount electron beam welders. 4,803,333, 2-7-89, Cl. 219-121.130.
Lawrence, Jack, to Unilever Patent Holdings B.V. Packaging construction. 4,799,593, 1-24-89, Cl. 206-585.000.
Lawrence, James; and Kapadya, Aftab H., to Sanders Associates, Inc. Plotter pen presence and type identification system. 4,849,771, 7-18-89, Cl. 346-139.00R.
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Lawrence, Peter D.; Mackworth, Alan K.; and Mulligen, Isobel J., to University of British Columbia, The. Manipulator arm position sensing. 4,826,391, 5-2-89, Cl. 414-698.000.
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Lawrence, Stephen G. C.; McMorran, Michael A.; and Middleton, Brian H., to International Business Machines Corporation. Display terminal. 4,868,782, 9-19-89, Cl. 364-900.000.
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Lawrence, Ventura A.; and Lawrence, Ventura J. Quick-action fasteners. 4,850,777, 7-25-89, Cl. 411-433.000.
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Lawrence, William J. Rotary filtration device. 4,818,401, 4-4-89, Cl. 210-330.000.
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Laws, Peter G., to Plessey Overseas Limited. Manchester code clock and data recovery system. 4,853,943, 8-1-89, Cl. 375-87.000.
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Lawson, Jerry W.; Bullings, Bruce R.; and Perfetti, Thomas A., to R. J. Reynolds Tobacco Company. Cigarette. 4,836,224, 6-6-89, Cl. 131-336.000.
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Laxo, Darryl E., to Chevron Research Company. Automatic, gravity-powered closure device. 4,802,306, 2-7-89, Cl. 49-31.000.
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  Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,856,147, Cl. 19-0.350.
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  Weitzel, Charles E.; Sundaram, Lalgudi M. G.; and Lazar, Steven C., Jr., 4,870,478, Cl. 357-22.000.
Lazareff, Andre, to Jaeger. Display device, in particular for an automatic gear box. 4,798,161, 1-17-89, Cl. 116-28.100.
Lazarevich, Milan P. M. Heat recycling process. 4,848,088, 7-18-89, Cl. 60-673.000.
Lazaro, Eric J.: *See*—
  Spillert, Charles R.; Suval, William A.; and Lazaro, Eric J., 4,814,247, Cl. 436-69.000.
  Spillert, Charles R.; Devereux, Corinne; and Lazaro, Eric J., 4,833,132, Cl. 514-158.000.
Lazaroff, Lewis S. Driver wheelchair lockdown. 4,805,954, 2-21-89, Cl. 296-65.100.
Lazarus, Harrison M. External guide wire. 4,886,500, 12-12-89, Cl. 604-164.000.
Lazarus, Richard M.; Bell, Kenneth L.; and Bauer, Carla M., to Morton Thiokol, Inc. Method of developing a high contrast, positive photoresist using a developer containing alkanolamine. 4,808,513, 2-28-89, Cl. 430-331.000.
Lazarus, Stanley D.: *See*—
  Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; Rowan, Hugh H.; and Marshall, Robert M., 4,842,934, Cl. 428-378.000.
  Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; and Young, Steven A., 4,857,405, Cl. 428-378.000.
  Cordova, David S.; Coffin, David R.; Lazarus, Stanley D.; and Young, Steven A., 4,880,871, Cl. 525-43.000.
  Mohajer, Yousef; Lazarus, Stanley D.; and Cooke, Robert S., 4,839,124, Cl. 264-211.000.
Lazcano-Navarro, Arturo; Alcantara, Miguel A.; and Hernandez-Ruiz, Jose E. Device for introducing separated fluids through independent flow paths through bottom tuyeres in a rotating metallurgical converter. 4,799,651, 1-24-89, Cl. 166-268.000.
Lazenby, James E. Concrete bucket assembly rigidly mounted for vertical tilting and rotational movement to a forklift vehicle. 4,798,510, 1-17-89, Cl. 414-607.000.
Lazenby, William E.: *See*—
  Ranjan, Radhakrishnan; and Lazenby, William E., 4,807,082, Cl. 361-104.000.
Lazer, Edward S., to Boehringer Ingelheim Pharmaceutical, Inc. 3-[2-(3',5'-di-t-butyl-4'-hydroxyphenyl)ethenyl]pyridine. 4,812,460, 3-14-89, Cl. 514-277.000.
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  Goans, Kip B., 4,852,394, Cl. 73-49.800.
Laziou, Alain, to Dosapro Milton Roy. Device for detecting that a membrane in a membrane pump has broken. 4,881,876, 11-21-89, Cl. 417-63.000.
Lazzara, Richard J.; and Beaty, Keith D., to Implant Innovations, Inc. Axially short dental implant fixture. 4,846,683, 7-11-89, Cl. 433-173.000.
Lazzara, Richard J.; and Beaty, Keith D., to Implant Innovations, Inc. Prosthodontic restoration components. 4,850,870, 7-25-89, Cl. 433-174.000.
Lazzara, Richard J.; and Beaty, Keith D., to Implant Innovations, Inc. Prosthodontic restoration components. 4,850,873, 7-25-89, Cl. 433-220.000.
Lazzara, Richard J.; and Beaty, Keith D., to Implant Innovations, Inc. Periodontal restoration components. 4,856,994, 8-15-89, Cl. 433-173.000.
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  Destree, Xavier P.; and Lazzari, Angelo A., 4,883,713, Cl. 428-397.000.
Lazzari, Jean-Pierre, to Commissariat a l'Energie Atomique. Head slider with an integrated flat magnetic head. 4,809,103, 2-28-89, Cl. 360-103.000.
Lazzari, Jean-Pierre, to Commissariat a l'Energie Atomique. Process for the production of planar structure thin film magnetic heads. 4,837,924, 6-13-89, Cl. 29-603.000.
Lazzari, Jean-Pierre; and Cortial, Henri, to Commissariat A l'Energie Atomique. Installation for the storage and transfer of objects in a very clean atmosphere. 4,851,018, 7-25-89, Cl. 55-356.000.
Lazzarini, Albert J.; and Ulich, Bobby L., to Kaman Aerospace Corporation. Adaptive optical system with synchronous detection of wavefront phase. 4,865,454, 9-12-89, Cl. 356-359.000.
Lazzarini, Albert J.: *See*—
  Rather, John D. G.; Ames, Gregory H.; Conklin, Edward K.; Lazzarini, Albert J.; Mangano, Joseph; and Ulich, Bobby L., 4,825,062, Cl. 250-201.000.
Lazzarini, Donald J.; Wiley, John P.; and Wiley, Robert T., to International Business Machines Corporation. Low dielectric printed circuit boards. 4,864,722, 9-12-89, Cl. 29-830.000.
Lazzaro, Giuseppe: *See*—
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  Hori, Roy Y.; Lazzeri, Mark A.; Miller, Clayton R.; DeGroff, Dale A.; and Dock, Ted L., 4,813,963, Cl. 623-23.000.
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  Grindon, John R., 4,871,256, Cl. 356-376.000.
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  Coulon, Michel; Faron, Robert; and Besson, Daniel, 4,852,645, Cl. 165-180.000.
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Le Groupe Laperriere & Verreault, Inc.: *See*—
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Le, Hanh T., to Conoco, Inc. Oil compositions containing terpolymers of alkyl acrylates or methacrylates, an olefinically unsaturated homo or heterocyclic-nitrogen compound and allyl acrylates or methacrylates or perfluoroalkyl ethyl acrylates or methacrylates. 4,886,5 12-12-89, Cl. 44-62.000.
Le, Hu P.: *See*—
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  Vujovich, Nick, 4,850,512, Cl. 221-232.000.
Le, Kha: *See*—
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Le, Linh T., to Boeing Company, The. Oscillatory failure monitor. 4,826,110, 5-2-89, Cl. 244-194.000.
Le, Minh S.; and Wilkes, John S., to Domnick Hunter [illegible] Limited. Microporous membrane. 4,853,127, 8-1-89, Cl. 210-500.390.
Le, Quang N.; and Wong, Stephen S., to Mobil Oil Corporation. Method of noble metal-zeolite catalyst activation with Bronsted acid compound. 4,826,792, 5-2-89, Cl. 502-26.000.
Le Tourneau College: *See*—
  Burkart, Leonard F., 4,826,566, Cl. 162-14.000.
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Le, Vinh Q.: *See*—
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Lea, Alan J., to Pratt & Whitney Canada Inc. Method and apparatus for pilot training. 4,831,567, 5-16-89, Cl. 364-578.000.
Lea, Bernard A., to Minnesota Mining and Manufacturing Company. Sensitizers for photothermographic media. 4,835,096, 5-30-89, Cl. 430-617.000.

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  Burrows, Ronald W.; Penfound, Keith A.; and Lea, Bernard A., 4,857,450, Cl. 430-603.000.
Lea, James G.: *See*—
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Lea Plaza, Carlos, to Codespi Corporation. Device for correcting deformities of the spine. 4,875,471, 10-24-89, Cl. 128-69.000.
Lea, Richard H.: *See*—
  Van Laar, Hermanus G.; Lea, Richard H.; and Payne, Beverley, 4,879,014, Cl. 204-190.000.
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  Hartog, Arthur H.; Gold, Martin P.; and Leach, Adrian P., 4,823,166, Cl. 356-44.000.
Leach, Allen A., to Jaffrey Fire Protection Co., Inc. Ball gate pressure relief valve. 4,848,398, 7-18-89, Cl. 137-556.300.
Leach, Bruce E.; Shannon, Mark L.; and Wharry, Donald L., to Vista Chemical Company. Alkoxylaton process using calcium based catalysts. 4,835,321, 5-30-89, Cl. 568-618.000.
Leach, Colin A.: *See*—
  Ife, Robert J.; Brown, Thomas H.; and Leach, Colin A., 4,806,549, Cl. 514-313.000.
  Ife, Robert J.; Brown, Thomas H.; and Leach, Colin A., 4,806,550, Cl. 514-313.000.
Leach, Colin P., to Conoco Inc. Method and apparatus for deepwater drilling. 4,813,495, 3-21-89, Cl. 175-6.000.
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  Freed, Herbert D.; and Leach, Dennis, 4,874,320, Cl. 439-115.000.
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  Eagar, Thomas W.; Agarwal, Dwarika P.; Bourguignon, Laura L.; and Marcotte, Rosaire, 4,869,757, Cl. 148-158.000.
Leach, Jack S.; and Baize, Thomas H. Cooling tower cleaning system. 4,830,761, 5-16-89, Cl. 210-785.000.
Leach, Jamie S. Body restraint device. 4,834,459, 5-30-89, Cl. 297-467.000.
Leach, Jamie S., to C. J. Leacho, Inc. Body restraint device. 4,861,109, 8-29-89, Cl. 297-467.000.
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Leach, Richard M.; and Miles, David W. B., to Brampton Enterprises, Inc. Drive-in window. 4,862,639, 9-5-89, Cl. 49-122.000.
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  Braginetz, Paul A.; Leadbetter, Mark R.; and Peduto, Joseph, 4,888,002, Cl. 604-195.000.
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  Kamiya, Tadao; and Leader, Matthew J., 4,822,127, Cl. 350-96.150.
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Leady, Keith D.: *See*—
  Shane, Bruce E.; Leady, Keith D.; Conner, Wayne L.; and Cella, Albert F., 4,867,095, Cl. 116-204.000.
League, Billy E. Fluid flow check device. 4,805,665, 2-21-89, Cl. 137-554.000.
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Leahy, David J., to Dennison Manufacturing Company. Multipurpose dispenser. 4,824,517, 4-25-89, Cl. 156-584.000.
Leahy, David J., to Dennison Manufacturing Company. Convertible dry wipe board. 4,828,502, 5-9-89, Cl. 434-416.000.
Leahy, David J., to Dennison Manufacturing Company. Container with a releasable hinged closure panel and a fixed closure panel. 4,884,718, 12-5-89, Cl. 220-339.000.
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  Shwartzman, Stanley; and Leahy, Michael F., 4,818,334, Cl. 156-643.000.
Leake, Bernard W.; and Davidson, Andrew C., to Cascade Microtech, Inc. Method of compensating for frequency errors in noise power meters. 4,864,218, 9-5-89, Cl. 324-57.00N.
Leake, William W.; and Surinder, Rai, to VTC Incorporated. CMOS Output buffer providing mask programmable output drive current. 4,885,485, 12-5-89, Cl. 307-542.000.
Leal, Vitervo. Simulated frog fishing lure. 4,885,867, 12-12-89, Cl. 43-42.260.
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  Rey, Pierre; Leandri, Jacqueline; and Dahhan, Philippe, 4,804,383, Cl. 623-13.000.
  Rey, Pierre; Leandri, Jacqueline; Abbou, Clement; and Sezeur, Alain, 4,857,059, Cl. 604-185.000.
Leandris, Sergio, to Precision Mechanique Labinal, S.A. Electrical connector. 4,842,541, 6-27-89, Cl. 439-281.000.
Leandris, Sergio; and Moly, Jose, to Precision Mechanique Labinal, S.A. Apparatus and method of manufacturing electrical cabling systems. 4,875,286, 10-24-89, Cl. 29-872.000.
Leaney, Peter A.: *See*—
  Russell, Michael K.; Wesenberg, Donald L.; and Leaney, Peter A., 4,855,870, Cl. 361-395.000.
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  Hillebrand, Robert D.; and Wilson, Charles W., 4,854,409, Cl. 180-24.020.
  Marsh, John C., 4,867,423, Cl. 267-91.000.
Lear Siegler Neway Corp.: *See*—
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  Wainwright, John C., 4,869,541, Cl. 296-65.100.
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  Brasch, William R., 4,877,450, Cl. 106-1.260.
  Nobel, Fred I.; Ostrow, Barnet D.; and Schram, David N., 4,871,429, Cl. 204-44.400.
  Toben, Michael P.; Brown, Neil D.; Esterl, David J.; and Schetty, Robert A., 4,880,507, Cl. 204-44.400.
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  Donegan, Thomas E.; Bantjes, John H.; and Leary, Timothy G., 4,853,039, Cl. 106-412.000.
  Donegan, Thomas E.; Leary, Timothy G.; and Patil, Arvind S., 4,859,770, Cl. 540-136.000.
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Leather, Terence H.; Naylor, Frank R.; and Gradwell, Paul S., to Leather, Terence H. Communication system. 4,885,797, 12-5-89, Cl. 455-40.000.
Leatherman, Dennis D.; Rechlicz, Thomas; and Schwarz, Richard A., to PPG Industries, Inc. Multilayer article of microporous and porous materials. 4,877,679, 10-31-89, Cl. 428-224.000.
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  Young, James; and Leatherman, Dennis D., 4,861,644, Cl. 428-195.000.
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  Leatherman, Timothy S., 4,888,869, Cl. 30-161.000.
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Leavens, William M.; Zentner, Ronald C.; and Stonecipher, Charles H., to Boeing Company, The. Method and apparatus for nondestructive analysis of subsurface features of material. 4,866,276, 9-12-89, Cl. 250-341.000.

Leaver, Scott O.; and McCarthy, John M. Mechanical fingers for dexterity and grasping. 4,865,376, 9-12-89, Cl. 294-111.000.

Leavitt, David D.; Kranz, Ken E.; Gorman, Greg A.; and Stewart, Norman L., Jr., to Farmland Industries, Inc. Oxidation-reduction process for enhancing the color of and stabilizing wet process phosphoric acid. 4,808,391, 2-28-89, Cl. 423-321.00R.

Leavitt, Edward J., Jr.: *See—*
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Leavitt, Edward J., Sr.; and Leavitt, Edward J., Jr. Method for applying information to a transparent surface. 4,883,556, 11-28-89, Cl. 156-273.300.

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Leavitt, Steven C., to Hewlett-Packard Company. Medical ultrasound imaging system with velocity-dependent rejection filtering. 4,850,364, 7-25-89, Cl. 128-661.090.

Leazer, Johnnie L., Jr.: *See—*
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Le Barny, Pierre: *See—*
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Lebeau, Christopher J., to Motorola Inc. Light diffuser. 4,844,576, 7-4-89, Cl. 350-96.240.

LeBeau, Phil E. Anti-burp nursing bottle combination. 4,880,125, 11-14-89, Cl. 215-11.300.

Le Bec, Yves, to Societe Anonyme Drager. Pneumatic alarm for respirator. 4,825,802, 5-2-89, Cl. 116-70.000.

Lebeck, Alan O., to University of New Mexico. Differential surface roughness dynamic seals and bearings. 4,834,400, 5-30-89, Cl. 277-236.000.

Lebeck, Alan O.; and Young, Lionel A., to University of New Mexico. Wavy-tilt-dam seal ring. 4,836,561, 6-6-89, Cl. 277-93.0SD.

Lebeck, Alan O.; and Young, Lionel A., to University of New Mexico. Wavy-tilt-dam seal ring and apparatus for shaping seal rings. 4,887,395, 12-19-89, Cl. 51-101.00R.

Lebeck, Norman G.: *See—*
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Lebedev, Vladimir K.: *See—*
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LeBegue, Maurice K.; and Wilson, Henry E., to Baker International Corporation. Continuous miner with duct assembly. 4,840,432, 6-20-89, Cl. 299-64.000.

LeBel, Andrew P., to Mead Release Products, Inc. Breathable backing or release liner and process for forming the same. 4,871,611, 10-3-89, Cl. 428-266.000.

LeBel, Kenneth; and Melendez, John P. Target assembly. 4,842,283, 6-27-89, Cl. 273-392.000.

Leben, David G. Container and method for carrying and transporting computer tape cartridges. 4,874,088, 10-17-89, Cl. 206-387.000.

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Leberl, Franz W.; Curry, Sean; and Karspeck, Milan, to Vexcel Corporation. Method of image mensuration with selectively visible and invisible reseau grid marks. 4,809,066, 2-28-89, Cl. 358-107.000.

Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, to Vexcel Corporation. Stereo mensuration apparatus. 4,829,373, 5-9-89, Cl. 358-88.000.

Leberl, Franz W.; Curry, Sean; Henrot, Denis; Karspeck, Milan; and Lee, Scott, to Vexcel Corporation. Reseau apparatus for photogrammetry devices. 4,841,455, 6-20-89, Cl. 364-525.000.

Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, to Vexcel Corporation. Stereo mensuration method. 4,849,912, 7-18-89, Cl. 364-525.000.

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Simon, Helmut; and Lebertz, Herbert, 4,851,344, Cl. 435-155.000.

Le Bihan, Denis; and Breton, Eric, to Thomson CGR. Method to measure the molecular diffusion and/or perfusion parameters of live tissue. 4,809,701, 3-7-89, Cl. 128-653.000.

LeBisch, Helmut; Basel, Rainer; Fuchs, Georg; Dietmar, Hermann; Wipfelder, Ernst; and Hekele, Wilhelm, to Siemens Aktiengesellschaft. Method for manufacturing an otoplastic. 4,871,502, 10-3-89, Cl. 264-222.000.

Lebizay, Gerald; Lien, Yeong-Chang; and Taso, Michael M., to International Business Machines Corporation. Fault tolerant switch with selectable operating modes. 4,817,094, 3-28-89, Cl. 371-36.000.

Lebizay, Gerald; Lien, Yeong-Chang; Maruyama, Kioshi; and Schuster, Stanley E., to International Business Machines Corporation. Cross-point bit-switch for communication. 4,833,670, 5-23-89, Cl. 370-58.000.

Lebizay, Gerald: *See—*
Georgiou, Christos J.; and Lebizay, Gerald, 4,845,704, Cl. 370-58.000.

LeBlanc, Harry S.: *See—*
Beacham, Lowrie M., III; LeBlanc, Harry S.; and Freeman, George A., 4,874,751, Cl. 514-50.000.

LeBlanc, Henry A.: *See—*
Johnson, Donald C.; Neogi, Amar N.; and LeBlanc, Henry A., 4,861,427, Cl. 162-129.000.

Leblanc, James A.: *See—*
Monson, Donald R.; and Leblanc, James A., 4,883,513, Cl. 55-385.200.

Leblanc, Jean: *See—*
Buisson, Dominique; Henry, Francois; Leblanc, Jean; Pfeifle, Helmut; and Pigeroulet, Jean, 4,805,580, Cl. 123-506.000.
Cigolotti, Jean-Pierre; Devillierre, Denis; Leblanc, Jean; and Schwartz, Reinhard, 4,829,646, Cl. 29-156.40R.

LeBlanc, Jean-Claude; and Ratton, Serge, to Rhone-Poulenc Specialites Chimiques. Selective chlorination of phenols. 4,876,396, 10-24-89, Cl. 568-779.000.

LeBlanc, Johnny J.: *See—*
Baron, Henry C.; LeBlanc, Johnny J.; Storey, Thomas M.; and Yoder, Joseph W., 4,852,061, Cl. 365-154.000.

LeBlanc, Joseph A., to Gast Manufacturing Corporation. Cartridge rotary vane pump. 4,838,772, 6-13-89, Cl. 418-13.000.

LeBlanc, Kenneth L.; and Hall, Gavin M., to Integrated Card-Gard Corporation. Magnetic card protection system. 4,851,610, 7-25-89, Cl. 174-35.00R.

LeBlanc, Kenneth T. Bottle for dispensing viscous foodstuff. 4,832,215, 5-23-89, Cl. 215-100.00A.

LeBlanc, Peter E., to Beloit Corporation. High consistency pressure screen and method of separating accepts and rejects. 4,855,038, 8-8-89, Cl. 209-273.000.

LeBlanc, Thomas R.: *See—*
Chagnard, Harold A., Jr.; Brayden, Mark K.; and LeBlanc, Thomas R., 4,869,827, Cl. 210-700.000.

Leblang, David B.; McLean, Gordon, Jr.; Spilke, Howard; and Chase, Robert P., Jr., to Apollo Computer, Inc. Computer device for aiding in the development of software system. 4,809,170, 2-28-89, Cl. 364-200.000.

Lebo Peerless, Inc.: *See—*
Mastronardo, Patrick, 4,838,421, Cl. 206-387.000.
Mastronardo, Patrick, 4,842,032, Cl. 206-309.000.

Lebon, Marc; Prevost, Michele; Jdid, El A.; and Blazy, Pierre, to Institut National de Recherche Chimique Appliquee. Separation and recovery of solids from liquids containing them using the ionic flotation process. 4,844,873, 7-4-89, Cl. 423-12.000.

Leborgne, Alain: *See—*
Dubois, Jean-Claude; Le Barny, Pierre; Spassky, Nicolas; Esselin, Sophie; Noel, Claudine; Lacoudre, Nicole; and Leborgne, Alain, 4,824,923, Cl. 536-298.000.

Leboucq, Jacques: *See—*
Boniort, Jean-Yves; and Leboucq, Jacques, 4,874,415, Cl. 65-3.110.

Lebourg, Michel: *See—*
Petitjean, Gilbert; and Lebourg, Michel, 4,882,504, Cl. 307-256.000.

Lebourgh, Maurice P. Diamond drill bit with hemispherically shaped diamond inserts. 4,858,706, 8-22-89, Cl. 175-329.000.

Le Bourhis, Gerard: *See—*
Prevost, Claude; and Le Bourhis, Gerard, 4,801,821, Cl. 307-311.000.

Lebowitz, Joseph: *See—*
Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.

Lebowitz, Mayer M. Cellular network data transmission system. 4,825,457, 4-25-89, Cl. 379-40.000.

Le Bras, Jean: *See—*
Oberlin, Claude; and Le Bras, Jean, 4,830,052, Cl. 137-68.100.

Le Bras, Philippe, to Mead Corporation, The. Applicator mechanism and method for applying carrier cartons to grouped articles. 4,848,061, 7-18-89, Cl. 53-398.000.

Le Bras, Philippe: *See—*
Chaussadas, Jean; and Le Bras, Philippe, 4,796,754, Cl. 206-434.000.

Le Bris, Herve: *See—*
Chomel, Denis; Devault, Michel; Le Bris, Herve; and Rouaud, Yvon, 4,849,965, Cl. 370-85.000.

Le Bris, Jean; and Erman, Marko, to U.S. Philips Corporation. Spectroscopic ellipsometer. 4,834,539, 5-30-89, Cl. 356-369.000.

Lebrun, Bernard; and Couvrat-Desvergnes, Alexandre, to Electricite de France (Service National. Gas filter system. 4,848,992, 7-18-89, Cl. 55-410.000.

Lebrun, Dominic: *See—*
Clere, Jean-Michel; and Lebrun, Dominic, 4,807,179, Cl. 364-900.000.

Lebrun, Jean-Jacque; and Porte, Hugues, to Rhone-Poulenc Specialites Chimiques. Process for catalytic treatment of a polysilazane containing on average at least two hydrocarbon groups having aliphatic unsaturation per molecule. 4,866,149, 9-12-89, Cl. 526-279.000.

Lebrun, Jean-Jacques; and Porte, Hugues, to Rhone-Poulenc Specialites Chimiques. Cationic catalysis process for the treatment of a polysilazane containing on average at least two ═SiH groups per molecule. 4,861,844, 8-29-89, Cl. 525-475.000.

Lebrun, Jean-Louis; and Pont, Patrick, to Societe Francaise d Equipements pour la Navigation Aerienne (S.F.E.N.A.). Method and device for guiding an aerodyne on a runway, particularly during the taxiing phase preceding take off. 4,837,696, 6-6-89, Cl. 364-427.000.

LeBrun, John F.: *See—*
Carlson, Kenneth A.; LeBrun, John F.; Giacomazzo, Salvatore; and Saperia, Jonathan D., 4,809,220, Cl. 364-900.000.

Lebuhn, Rolf; Feldmann, John; and Koebernick, Hubert, to CPC International Inc. Process for producing color-stable, industrial-grade methyl glucoside. 4,797,478, 1-10-89, Cl. 536-18.500.

Lecaroz, Jean. Elements having a multi-directional cellular structure whose inertia may vary, and methods of manufacture. 4,873,810, 10-17-89, Cl. 52-575.000.

Le Carvennec, Francois; Lecomte, Daniel; Leterme, Dominique; and Romeas, Rene, to Alcatel Thomson Gigadisc. Optical memory system which uses a different illumination mode when scanning reserved areas. 4,868,804, 9-19-89, Cl. 369-45.000.

Lecere, Oliver: *See—*
Bradley, David W.; Melotti, Angelo R.; Lecere, Oliver; and Bonnici, Gerald P., 4,881,774, Cl. 297-341.000.

Lecerf, Michel J.: *See—*
Langlois, Jean-Pierre M. F.; and Lecerf, Michel J., 4,829,715, Cl. 51-101.0LG.

Lecerf, Olivier, to Bertrand Faure Automobile. Side roller system for a vehicle seat frame. 4,863,289, 9-5-89, Cl. 384-47.000.

Lech, Stanley J. Pulverizing apparatus. 4,795,103, 1-3-89, Cl. 241-77.000.

Lecheheb, Ammar, to Domino Printing Sciences PLC. Control of continuous ink jet printing system. 4,827,278, 5-2-89, Cl. 346-1.100.

Lecheheb, Ammar; and Doyle, James J., to Domino Printing Sciences PLC. Continuous ink jet printing. 4,864,323, 9-5-89, Cl. 346-1.100.

Lechelle, Alain; Guidat, Thierry; and Bruckert, Serge, to Matra Manurhin Defense. Support device for the mechanism of a revolver. 4,839,978, 6-20-89, Cl. 42-65.000.

Lechelt, Wayne M.: *See—*
Prince, James M.; Dodson, Michael G.; and Lechelt, Wayne M., 4,849,693, Cl. 324-225.000.

Lechert, Hans; Woebs-Gosch, Volkert; Qun, Song; Kaminsky, Walter; and Sinn, Hansjorg, to Asea Brown Boveri AG. Process for reprocessing waste material. 4,871,426, 10-3-89, Cl. 201-2.500.

Lechevalier, Mary P.: *See—*
Berger, Frank M.; Bona, Constantin; and Lechevalier, Mary P., 4,877,612, Cl. 424-92.000.

Lechiaro, Kathy M.: *See—*
Harris, Peter B.; Bennett, James; Lechiaro, Kathy M.; Morello, Peter F.; and McDonald, Robert C., 4,818,645, Cl. 429-209.000.

Lechleitner, Viktor: *See—*
Martin, Peter; Singenberger, Hansjorg; and Lechleitner, Viktor, 4,848,533, Cl. 198-470.100.

Lechler GmbH & Co. KG: *See—*
Bendig, Lothar; and Hofmann, Frieder, 4,796,807, Cl. 239-102.200.
Mezger, Sepp; and Raissle, Werner, 4,821,964, Cl. 239-432.000.

Lechler, Inc.: *See—*
Coulston, John W.; and Huffman, David C., 4,875,627, Cl. 239-466.000.

Lechler, Rolf: *See—*
Vollrath, Johannes; and Lechler, Rolf, 4,850,638, Cl. 296-187.000.

Lechman, John N., to Nova Office Furniture, Inc. Modular furniture. 4,869,564, 9-26-89, Cl. 312-195.000.

Lechner, Georg: *See—*
Kochmann, Heike; Lechner, Georg; Muller, Jurgen; and Scholz, Norbert, 4,872,030, Cl. 354-76.000.

Lechner, Gunther: *See—*
Jochum, Peter; Zahler, Wolf-Dietrich; Gasser, Oswald; Lechner, Gunther; and Ellrich, Klaus, 4,867,790, Cl. 106-35.000.

Lechner, Jerry M.: *See—*
Adams, Marshal; and Lechner, Jerry M., 4,847,964, Cl. 29-156.50R.

Lechner, John F.: *See—*
Reddel, Roger R.; Yang, Ke; Rhim, Johng S.; Brash, Douglas; Su, Robert T.; Lechner, John F.; Gerwin, Brenda I.; Harris, Curtis C.; and Amstad, Paul, 4,885,238, Cl. 435-29.000.

Lechner, Lloyd; and Thomas, Kent, to Tab Products Company. Safety interlock. 4,820,002, 4-11-89, Cl. 312-221.000.

Lechner, Reinhard: *See—*
Moedinger, Wolfgang; Preuss, Michael; and Lechner, Reinhard, 4,805,747, Cl. 188-264.00A.

Lechner, Robert; and Wingerath, Norbert, to Siemens Aktiengesellschaft. Circuit arrangement for the indication of loop closure during the ringing condition. 4,809,258, 2-28-89, Cl. 370-58.000.

Lechner, Robert; and Drescher, Manfred, to Siemens Aktiengesellschaft. Circuit arrangement for a module in the exchange of a digital TDM telecommunications network. 4,852,159, 7-25-89, Cl. 379-402.000.

Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, to Siemens Aktiengesellschaft. Digital interface of an integrated subscriber line interface circuit. 4,881,226, 11-14-89, Cl. 370-110.100.

Lechner, Robert: *See—*
Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; and Lechner, Robert, 4,858,226, Cl. 370-58.000.

Lechner, Uwe: *See—*
Seydel, Joachim K.; Pieper, Helmut; Kruger, Gerd; Noll, Klaus; Keck, Johannes; and Lechner, Uwe, 4,829,058, Cl. 514-155.000.

Lechon, Alain; and Le Luel, Yves, to Societe Nationale Elf Aquitaine (Production). Connection device for a guide line of an undersea installation. 4,799,816, 1-24-89, Cl. 403-2.000.

Lechtken, Peter: *See—*
Bock, Gustav; Trauth, Hubert; Weber, Wilhelm; and Lechtken, Peter, 4,806,580, Cl. 524-110.000.

Lecinski, Frank H., Jr., to Continental White Cap, Inc. Litterless tamper indicating closure. 4,805,792, 2-21-89, Cl. 215-253.000.

Leck, Derek C.: *See—*
Emery, David C.; Field, David G.; and Leck, Derek C., 4,854,234, Cl. 101-364.000.

Leckie, James H.; and Pops, Horace, to Essex Group, Inc. Inert gas purging during shaft furnace shut down. 4,795,490, 1-3-89, Cl. 75-76.000.

LeClair, Robert J.: *See—*
Hendricks, Lambert; Gil, Angelo; and LeClair, Robert J., 4,828,426, Cl. 404-93.000.

LeClaire, Charly, to Prouvost S.A. Device for detecting the variation of thickness of a fabric and a process for calibrating same. 4,829,194, 5-9-89, Cl. 250-559.000.

Leclerc, Daniel: *See—*
Bourdon, Guy; Lampin, Dominique; and Leclerc, Daniel, 4,811,755, Cl. 137-486.000.

Le Clerc de Bussy, Jacques. Process and device for harvesting copses grown in lines. 4,860,808, 8-29-89, Cl. 144-335.000.

LeClerc, Gerard; Huber, Didier; Himber, Jacques; and Andermann, Guy. Iminoimidazolidines useful in lowering intraocular pressure. 4,801,617, 1-31-89, Cl. 514-392.000.

Leclerc, Marc: *See—*
Malewski, Ryszard; and Leclerc, Marc, 4,825,153, Cl. 324-126.000.

Leclerc, Roland P. Ladder cap. 4,880,079, 11-14-89, Cl. 182-107.000.

Leclercq, Alain: *See—*
Colin, Gerard R.; Klein, Andre; Leclercq, Alain; and Mara, Patrick, 4,806,222, Cl. 204-206.000.

Leclercq, Didier: *See—*
Thery, Pierre; Leclercq, Didier; and Herin, Philippe, 4,850,713, Cl. 374-30.000.

Leclercq, Jacques: *See—*
Letemps, Bernard; Huchet, Gerard; and Leclercq, Jacques, 4,878,850, Cl. 439-83.000.

Leclercq, Joseph; and Canat, Jean-Noel, to Fragema. Nuclear fuel assembly with holding structure and hold down device. 4,828,792, 5-9-89, Cl. 376-364.000.

Leclercq, Joseph, to Fragema. Fuel assembly for nuclear reactors. 4,844,861, 7-4-89, Cl. 376-439.000.

Leclercq, Sylvain; Aubriot, Jacques; and Mercier, Vincent. Joint prosthesis. 4,846,840, 7-11-89, Cl. 623-23.000.

Lecloux, Andre: *See—*
Herman, Jean-Jacques; and Lecloux, Andre, 4,801,744, Cl. 564-65.000.

Lecluse, Cecile: *See—*
Double, Jean-Pierre; and Lecluse, Cecile, 4,804,508, Cl. 264-103.000.

Lecomte, Daniel: *See—*
Le Carvennec, Francois; Lecomte, Daniel; Leterme, Dominique; and Romeas, Rene, 4,868,804, Cl. 369-45.000.

Lecomte, Gilbert, to Societe d'Applications Plastiques Rhone-Alpes (SAPRA). Method of making a plastic material sensitive to laser radiation and enabling it to be marked by a laser, and articles obtained thereby. 4,816,374, 3-28-89, Cl. 430-270.000.

Lecomte, Leon: *See—*
Kersten, Jean; and Lecomte, Leon, 4,828,892, Cl. 428-35.200.

LeComte, Norman E.: *See—*
Cobb, Carleton M., III; Strobel, Stephen J.; LeComte, Norman E.; and Nott, Sepideh H., 4,866,559, Cl. 361-103.000.

Lecomte, Roger, to Universite de Sherbrooke. Scintillation detector for tomographs. 4,843,245, 6-27-89, Cl. 250-367.000.

- Leconte, Michel: *See*—
  - Basset, Jean-Marie; Leconte, Michel; Ollivier, Jean; and Quignard, Francoise, 4,861,848, Cl. 526-169.000.
  - Laval, Jean-Paul; Leconte, Michel; Ollivier, Jean; Perez, Emile; Quignard, Francoise; and Rico, Isabelle, 4,837,188, Cl. 502-107.000.
- Le Contellec, Michel: *See*—
  - Morin, Francois; and Le Contellec, Michel, 4,836,650, Cl. 350-334.000.
  - Morin, Francois; Le Contellec, Michel; and Richard, Joseph, 4,844,587, Cl. 350-139.00R.
- Le Corre, Jean-Luc; and Noel, Georges, to Thomson Hybrides et Microondes. Device for the handling of small-sized semi-conductor chips. 4,815,583, 3-28-89, Cl. 198-396.000.
- LeCour, Richard M.: *See*—
  - Wilson, Jon C.; Shick, David A.; Haynie, Robert L.; Wilder, Donald R.; Zimmerman, Larry D.; LeCour, Richard M.; and Guzy, D. James, 4,841,526, Cl. 371-32.000.
- LeCourt, James H.; Betts, Trueman R.; and Gates, Louis E., Jr., to Choice Products, Inc. Flame-extinguishing device. 4,869,662, 9-26-89, Cl. 431-145.000.
- Lecourt, Jean; Legros, Desire; and Granville, Andre, to Saint-Gobain Vitrage. Process and device for cooling of sheets of bent glass so as to produce edge stresses. 4,871,385, 10-3-89, Cl. 65-115.000.
- Lecourt, Jean; Legros, Desire; and Granville, Andre, to Saint-Gobain Vitrage "Les Miroirs". Apparatus for thermal bending of glass sheets. 4,889,547, 12-26-89, Cl. 65-107.000.
- Lecourt, Jean: *See*—
  - Art, Andree ; Jandrain, Jean-Claude; Lecourt, Jean; and Legros, Desire, 4,830,692, Cl. 156-64.000.
- Lecourtier, Georges, to Bull S.A. Video attributes decoder for color or monochrome display in a videotext mode or a high-resolution alphanumeric mode. 4,831,369, 5-16-89, Cl. 340-745.000.
- Lecourtois, Eugene, to N.E.D. Nicomatic Electronic Department. Contact socket element, strip comprising it and its manufacturing. 4,806,121, 2-21-89, Cl. 439-417.000.
- LeCreff, Maurice: *See*—
  - Sylviane, Bitoune; Grossier, Francois; LeCreff, Maurice; Ralala, Gerard; and Geffroy, Dominique, 4,808,919, Cl. 324-158.00F.
- Lecrivain, Jean-Paul: *See*—
  - Leichle, Roland G.; and Lecrivain, Jean-Paul, 4,802,247, Cl. 4-556.000.
- Lecrone, Dale E.: *See*—
  - Eck, Michael P.; and Lecrone, Dale E., 4,832,619, Cl. 439-377.000.
- LeCroy Corporation: *See*—
  - Cake, Brian V.; and Sippach, Frederick W., 4,804,939, Cl. 341-156.000.
  - Van Der Jagt, Lourens; Martin, Gunther; and Landmann, Wolf S., 4,805,197, Cl. 375-110.000.
- Lectro Stik Corp.: *See*—
  - Shano, Charles L., 4,889,440, Cl. 401-1.000.
- Lectrolarm Custom Systems, Inc.: *See*—
  - Smith, William V., 4,856,054, Cl. 379-107.000.
- Lectron Products, Inc.: *See*—
  - Maples, David T., 4,833,281, Cl. 200-61.45R.
- Leczinsky, Jan: *See*—
  - Wiholm, Sture H.; Tholerus, Jan; and Leczinsky, Jan, 4,863,332, Cl. 412-37.000.
- Leda Logarithmic Electrical Devices for Automation S.r.l.: *See*—
  - Lodini, Paolo, 4,837,548, Cl. 338-47.000.
  - Lodini, Paolo, 4,876,419, Cl. 200-86.00R.
  - Lodini, Paolo, 4,876,420, Cl. 200-86.00R.
- Le Dall, Jean-Claude; and Marchand, Jean-Claude, to Institut Francais du Petrole et Geomecanique. Connection device for the mechanical and electrical connection of a multi-conductor cable to a well probe. 4,874,328, 10-17-89, Cl. 439-278.000.
- Ledan, Inc.: *See*—
  - Leo, Daniel W., Sr., 4,815,612, Cl. 211-189.000.
- Le Dantec, Olivier, to Framatome. Process for cleaning a guide tube for a means of measuring the neutron flux in a pressurized-water cooled nuclear reactor. 4,867,941, 9-19-89, Cl. 376-316.000.
- Ledbetter, Ricky G. Air-conditioning refrigerator. 4,821,530, 4-18-89, Cl. 62-332.000.
- Ledden, David J.; and Schroedter, Dwight E., to Miles Inc. Specific binding assays employing label analog to reduce sample interferences. 4,810,635, 3-7-89, Cl. 435-7.000.
- Leddon, Warren E.: *See*—
  - Plester, George; Leddon, Warren E.; and Dalsis, David E., 4,830,192, Cl. 209-3.100.
- Leddy, John G.: *See*—
  - Vercellotti, Leonard C.; Anderson, Arthur A.; Christiansen, David A.; Johnson, Dannis R.; Brickner, Laurence R.; Colclaser, Robert G., III; and Leddy, John G., 4,885,564, Cl. 340-310.00A.
- Leddy, Johna: *See*—
  - Vanderborgh, Nicholas E.; Huff, James R.; and Leddy, Johna, 4,804,592, Cl. 429-33.000.
- Ledebuhr, Arno G., to Hughes Aircraft Company. Unitary prepolarizing prism assembly for a four color liquid crystal light valve image projector. 4,824,214, 4-25-89, Cl. 350-337.000.
- Ledebuhr, Arno G., to Hughes Aircraft Company. Prism assembly with three periscopes and projection lenses for a single light valve full-color projector. 4,826,311, 5-2-89, Cl. 353-31.000.
- Ledebuhr, Arno G.; and Sprothbery, Donald E., to Hughes Aircraft Company. Optical layout for a three light valve full-color projector employing a dual relay lens system and a single projection lens. 4,836,649, 6-6-89, Cl. 350-331.00R.
- Ledebuhr, Arno G., to Hughes Aircraft Company. Unitary prepolarizing prism assembly for a four color liquid crystal light valve image projector. 4,842,374, 6-27-89, Cl. 350-337.000.
- Ledebuhr, Arno G.: *See*—
  - Grinberg, Jan; Koda, Nubuo J.; Reif, Philip G.; Bleha, William P.; Welkowsky, Murray S.; and Ledebuhr, Arno G., 4,826,293, Cl. 350-331.00R.
- Ledenican, Alan J., to Eveready Battery Company. Cell circuit interrupter. 4,818,641, 4-4-89, Cl. 429-61.000.
- Leder, Frederic: *See*—
  - Gregoli, A. A.; Oko, Uriel M.; and Leder, Frederic, 4,818,370, Cl. 208-106.000.
- Leder, Harbert F.: *See*—
  - Bright, Paul F.; and Leder, Harbert F., 4,835,194, Cl. 523-169.000.
- Leder, Jeffrey C.: *See*—
  - Kamath, Hundi P.; and Leder, Jeffrey C., 4,866,251, Cl. 219-548.000.
  - Kamath, Hundi P.; and Leder, Jeffrey C., 4,876,440, Cl. 219-548.000.
- Leder, Jonathan, to Union Carbide Corporation. Process for the removal of sulfides. 4,844,877, 7-4-89, Cl. 423-226.000.
- Lederer, Louis F.: *See*—
  - Fiedler, Robert P.; and Lederer, Louis F., 4,810,172, Cl. 417-394.000.
- Lederhofer, Artur H.: *See*—
  - Bain, William L., Jr.; de Oliveira Camargo, Marcos; Duzett, Robert C.; Lederhofer, Artur H.; Peterson, Craig B.; and Wipfli, John L., 4,853,849, Cl. 364-200.000.
- Lederhos, L. J., Jr.: *See*—
  - Kamilos, G. N.; Kennedy, D. D.; and Lederhos, L. J., Jr., 4,811,786, Cl. 166-303.000.
- Lederich, Richard J.: *See*—
  - Meschter, Peter; Lederich, Richard J.; and O'Neal, James E., 4,861,551, Cl. 420-533.000.
  - Sastry, Shankar M.; and Lederich, Richard J., 4,811,766, Cl. 148-11.50A.
- Lederle (Japan), Ltd.: *See*—
  - Kumagai, Toshio; Matsunaga, Hiroshi; Machida, Yoshisuke; Nagase, Yunosuke; Hikida, Muneo; and Nagao, Yoshimitsu, 4,866,171, Cl. 540-350.000.
- Lederle, Otto: *See*—
  - Thiel, Norbert; Gerstle, Volker; Zondler, Rolf; and Lederle, Otto, 4,827,185, Cl. 313-479.000.
- Lederman, David M.; Singh, Param I.; and Strohl, Clair L., Jr., to Abiomed, Inc. Prosthetic heart valve. 4,888,009, 12-19-89, Cl. 623-2.000.
- Lederman, Frederick E., to General Motors Corporation. Roller clutch with protected and guided energizing springs. 4,815,577, 3-28-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Overrunning roller clutch with roller control cam. 4,821,856, 4-18-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Thrust ball bearing with improved sealing. 4,822,183, 4-18-89, Cl. 384-607.000.
- Lederman, Frederick E., to General Motors Corporation. Roller clutch with self aligning energizing springs. 4,828,085, 5-9-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Reduced wear roller clutch. 4,828,086, 5-9-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Temperature compensating roller clutch and cage. 4,830,157, 5-16-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Integrally molded roller clutch cage and energizing spring. 4,834,227, 5-30-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Metal roller clutch cage. 4,838,398, 6-13-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Roller clutch spring with compact and stable latch. 4,850,462, 7-25-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Temperature compensating roller clutch cage. 4,850,463, 7-25-89, Cl. 192-45.000.
- Lederman, Frederick E., to General Motors Corporation. Roller clutch with improved lubrication. 4,874,069, 10-17-89, Cl. 192-45.000.
- Lederman, Frederick E.: *See*—
  - Doller, John S.; and Lederman, Frederick E., 4,850,464, Cl. 192-45.000.
  - Johnston, Albert D.; and Lederman, Frederick E., 4,836,347, Cl. 192-45.000.
- Ledermann, Peter G.: *See*—
  - Hodgson, Rodney T.; Jones, Harry J.; Ledermann, Peter G.; Reley, Timothy C.; and Moskowitz, Paul A., 4,814,855, Cl. 174-52.400.
  - Kovac, Caroline A.; Ledermann, Peter G.; and Nguyen, Luu T., 4,881,885, Cl. 425-121.000.
- Ledet, Brent A.: *See*—
  - Lapeyre, George C.; and Ledet, Brent A., 4,862,794, Cl. [illegible]443.00C.
- Ledex Inc.: *See*—
  - Mohler, David B., 4,812,884, Cl. 335-258.000.
- Ledford, W. Troy; and Wasson, John R. Polyester fibers, yarns and fabrics with enhanced hydrophilicity and method of producing same with borohydride anions and lithium cations. 4,808,188, 2-28-89, Cl. 8-115.680.
- Ledger, Philip W.: *See*—
  - Cormier, Michel J. N.; Ledger, Philip W.; Amkraut, Alfred; and Marty, Jean P., 4,885,154, Cl. 424-10.000.
- Ledley, Robert S., to National Biomedical Research Foundation. Three-dimensional imaging system. 4,798,210, 1-17-89, Cl. 128-660.010.
- Ledley, Robert S.; and Wilson, James B., to National Biomedical Research Foundation. Method and apparatus for computerized tomographic scanning with plural intersecting sets of parallel radiation beams. 4,817,119, 3-28-89, Cl. 378-9.000.
- Ledley, Robert S., to National Biomedical Research Foundation. Three-dimensional imaging system. 4,821,728, 4-18-89, Cl. 128-661.010.
- Ledneva, Nina P.: *See*—
  - Guseev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.
- Lednicer, Daniel; and Sun, Jung-Hui, to Erbamont, Inc. Carboxamides useful as antiemetic or antipsychotic agents. 4,888,353, 12-19-89, Cl. 514-422.000.
- Lednor, Peter W., to Shell Oil Company. Process for the preparation of silicon oxynitride-containing products. 4,888,159, 12-19-89, Cl. 423-325.000.
- Lednor, Peter W.: *See*—
  - Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., 4,826,887, Cl. 521-189.000.
  - Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., 4,826,952, Cl. 528-405.000.
  - Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., 4,826,953, Cl. 528-405.000.
- Le Doux, Georges F. J.; and Geesink, Johannes H. Process for the manufacturing of a multilayer plastic container. 4,857,258, 8-15-89, Cl. 264-515.000.
- Ledoux, Patrick R.; and Fourgaut, Luc R., to Pipe Liners, Inc. Method and apparatus for deforming reformable tubular pipe liners. 4,863,365, 9-5-89, Cl. 425-343.000.
- Ledroit, Rene: *See*—
  - Hecq, Andre; and Ledroit, Rene, 4,797,316, Cl. 428-167.000.
- Ledtje, Marvin L.; and Long, Aubrey D., Jr., to Spectra-Physics, Inc. Check valve. 4,862,907, 9-5-89, Cl. 137-1.000.
- le Duc, Don. Adjustable wrench socket. 4,864,901, 9-12-89, Cl. 81-163.000.
- Leduc, Edward C.: *See*—
  - Schubert, John C.; and Leduc, Edward C., 4,878,970, Cl. 156-69.000.
- Leduc, Madeleine: *See*—
  - Lang, Gerald; Malaval, Alain; and Leduc, Madeleine, 4,814,162, Cl. 424-47.000.
  - Lang, Gerard; Richard, Herve; Leduc, Madeleine; and Junino, Alex, 4,822,375, Cl. 8-423.000.
- Leduc, Michele: *See*—
  - Schearer, Laird; Leduc, Michele; Laloe, Franck; and Hamel, Joseph M., 4,806,864, Cl. 324-301.000.
- Leduc, Robert J.: *See*—
  - Hankinson, Michael F.; Leduc, Robert J.; Richard, Joseph W.; and Malandra, Louis J., 4,828,789, Cl. 376-287.000.
- Ledvina, Timothy J.; and Mead, Robert H., to Borg-Warner Corporation. Power transmission chain. 4,83[illegible],668, 5-23-89, Cl. 474-155.000.
- Ledwith, Robert V.: *See*—
  - Aidlin, Stephen H.; and Ledwith, Robert V., 4,844,233, Cl. 198-394.000.
- Ledwitz, Kenneth W. Toothbrush with angled bristles. 4,852,202, 8-1-89, Cl. 15-167.100.
- Ledyashov, Oleg A.; Petrov, Stanislav F.; Goryainov, Stanislav P.; Kneiman, Mark L.; Laptev, Anatoly M.; and Mishin, Viktor I., to Vsesojuzny Nauchno-Issledovatelsky Institut Pokrepleniju Skvazhin I Burovym Rastvoram. Arrangement for cleaning internal surface of casing strings. 4,809,779, 3-7-89, Cl. 166-173.000.
- Lee, Alan J.: *See*—
  - Spadafora, Peter J.; Headley, Philip M.; Lee, Alan J.; and Hersberger, Jill G., 4,824,184, Cl. 303-100.000.
- Lee, Albert C.; and Ballard, Donald E., to General Electric Company. Wound transformer core. 4,814,736, 3-21-89, Cl. 336-213.000.
- Lee, Alexander Y., Jr. Anti-bruxism device. 4,838,283, 6-13-89, Cl. 128-777.000.
- Lee, Andrew J.; Sanduja, Mohan L.; Sugathan, Kenneth; Dragnea, Felicia; and Horowitz, Carl, to Ebonite International, Inc. Decorating bowling balls. 4,875,410, 10-24-89, Cl. 101-170.000.
- Lee, Anthony L. Cutting attachment for trimmers. 4,856,194, 8-15-89, Cl. 30-276.000.
- Lee, Anthony L.: *See*—
  - Erekson, Erek J.; and Lee, Anthony L., 4,826,796, Cl. 502-202.000.
- Lee, Arnold S. J. Universal-gain data plotter. 4,862,387, 8-29-89, Cl. 364-520.000.
- Lee, Arnold St. J. Method of determining center of gravity and body weight. 4,817,610, 4-4-89, Cl. 128-630.000.
- Lee, Arnold St. J. Method for preparing a ballistocardiogram. 4,836,215, 6-6-89, Cl. 128-714.000.
- Lee, Arnold St. J. Home medical surveillance system. 4,838,275, 6-13-89, Cl. 128-670.000.
- Lee, Arnold St. J. Automatic arterial blood pressure recorder system. 4,841,980, 6-27-89, Cl. 128-682.000.
- Lee, Arnold St. J. Method for recording an electrocardiogram. 4,848,350, 7-18-89, Cl. 128-639.000.
- Lee, Arnold St. J. Method for determining heart rate. 4,889,123, 12-26-89, Cl. 128-644.000.
- Lee, Arnold St. J. Method for monitoring a subject's heart and lung sounds. 4,889,130, 12-26-89, Cl. 128-670.000.
- Lee, Ben R.: *See*—
  - Finley, Randy; and Lee, Ben R., 4,836,822, Cl. 446-397.000.
- Lee, Bing-Jye: *See*—
  - Wang, I. Kai; Lee, Bing-Jye; and Chen, M. H., 4,849,386, Cl. 502-62.000.
- Lee, Boyong. Golf club swing trainer. 4,809,975, 3-7-89, Cl. 272-128.000.
- Lee, Brian C.: *See*—
  - Pampalone, Thomas R.; Lee, Brian C.; and Douglas, Edward C., 4,810,619, Cl. 430-313.000.
- Lee, Burtrand I.: *See*—
  - Hench, Larry L.; and Lee, Burtrand I., 4,804,731, Cl. 528-24.000.
  - Hench, Larry L.; and Lee, Burtrand I., 4,859,525, Cl. 428-260.000.
- Lee, Byoung J., to Taihan Electric Wire Co., Ltd. Meter for remote inspection. 4,811,368, 3-7-89, Cl. 377-19.000.
- Lee C. Moore Corporation: *See*—
  - Brittain, John C.; Jenkins, Cecil; Adelman, William P.; and Woolslayer, Joseph R., 4,834,604, Cl. 414-22.550.
- Lee, Carol S.: *See*—
  - Chang, Clarence D.; Chu, Cynthia T-W.; and Lee, Carol S., 4,837,398, Cl. 502-86.000.
  - Chang, Clarence D.; Chu, Cynthia T-W.; Lee, Carol S.; and Partridge, Randall D., 4,871,702, Cl. 502-86.000.
- Lee, Chan H.: *See*—
  - Albrecht, Thomas; and Lee, Chan H., 4,800,081, Cl. 424-129.000.
  - Albrecht, Thomas; Lee, Chan H.; and Steinsland, Odd S., 4,849,412, Cl. 514-46.000.
- Lee, Chang-Franw: *See*—
  - Yuan, Chii-Yah; Tswei, Tsz-Gang; Lee, Chang-Franw; Wei, Wu-Yaw; Lin, Ching-Hwa; and Chen, Wen-Kuang, 4,848,618, Cl. 220-1.500.
- Lee, Chang H.; and Kim, Young J. Automatic mixing faucet. 4,886,207, 12-12-89, Cl. 236-12.120.
- Lee, Chang Y., to Han Il E'wha Co., Ltd. Thermoplastic compositions, resin molded product for vehicle lining and method for manufacturing the same. 4,866,110, 9-12-89, Cl. 524-11.000.
- Lee, Charles H.: *See*—
  - Sharp, David P.; Lee, Charles H.; and Cassidy, Thomas, 4,885,482, Cl. 307-465.000.
- Lee, Charles M., to Arabian American Oil Company. Method and apparatus for removing concrete coating from pipe. 4,880,335, 11-14-89, Cl. 405-158.000.
- Lee, Charles M.: *See*—
  - Lee, Gary M.; Lee, Charles M.; and LaRue, George S., 4,798,978, Cl. 307-450.000.
- Lee, Chi H.: *See*—
  - Rosen, Arye; and Lee, Chi H., 4,805,084, Cl. 363-147.000.
- Lee, Chi-Ho: *See*—
  - Pascal, Jean C.; Lee, Chi-Ho; Alps, Brian J.; Pinhas, Henri; and Whiting, Roger L., 4,829,065, Cl. 514-255.000.
  - Pfister, Jurg R.; Davis, Roman; and Lee, Chi-Ho, 4,889,866, Cl. 514-347.000.
- Lee, Chi-Long, to Dow Corning Corporation. Hydrophilic silicone-organic copolymer elastomers containing bioactine agent. 4,833,218, 5-23-89, Cl. 525-455.000.
- Lee, Chi-long; and Lutz, Michael A., to Dow Corning Corporation. Acryl functional silicone compounds. 4,849,461, 7-18-89, Cl. 522-33.000.
- Lee, Chi-Long, to Dow Corning Corporation. Hydrophilic silicone-organic copolymer elastomers. 4,851,216, 7-25-89, Cl. 424-78.000.
- Lee, Chi-Long; and Willis, Robin L., Jr., to Dow Corning Corporation. Microencapsulated platinum-group metals and compounds thereof. 4,874,667, 10-17-89, Cl. 428-402.220.
- Lee, Chi-Long: *See*—
  - Elias, Janet L.; Lee, Chi-Long; and Maxson, Myron T., 4,882,368, Cl. 523-213.000.
  - Sweet, Randall P.; Lee, Chi-Long; and Gornowicz, Gerald A., 4,840,796, Cl. 424-448.000.
- Lee, Chia-Shun: *See*—
  - Chien, Yie W.; Lee, Chia-Shun; Valia, Kirti H.; and Chien, Te-Yen, 4,883,669, Cl. 424-448.000.
- Lee, Chien-Li. Area-variable automobile sun visor. 4,824,161, 4-25-89, Cl. 296-97.800.
- Lee, Chih-Kung; and Moon, Francis C., to Cornell Research Foundation, Inc. Piezoelectric polymer laminates for torsional and bending modal control. 4,868,447, 9-19-89, Cl. 310-328.000.
- Lee, Chin C. Disposable sanitary spittoon. 4,858,250, 8-22-89, Cl. 4-258.000.
- Lee, Chin-Sheng: *See*—
  - Chen, Shun; and Lee, Chin-Sheng, 4,802,679, Cl. 277-12.000.
- Lee, Chinsoo; and Bassett, David R., to Union Carbide Corporation. Process for the preparation of the parylene dimer. 4,806,702, 2-21-89, Cl. 585-429.000.
- Lee, Chinsoo; and Bassett, David R., to Union Carbide Corporation. Process for the preparation of dichloro-[2,2]paracyclophane. 4,849,559, 7-18-89, Cl. 570-199.000.
- Lee, Chong K.: *See*—
  - Choi, Ju; and Lee, Chong K., 4,810,466, Cl. 420-448.000.
- Lee, Choong G. Security lock for revolving door. 4,796,542, 1-10-89, Cl. 109-8.000.
- Lee, Choong G. Wave powered propulsion system for watercraft. 4,842,560, 6-27-89, Cl. 440-9.000.

Lee, Chun D.: *See—*

Wild, Leslie; and Lee, Chun D., 4,840,996, Cl. 525-193.000.

Lee, Chun-Sheu; and Ream, Stanley L., to Amada Company, Limited. Laser resonator. 4,803,694, 2-7-89, Cl. 372-98.000.

Lee, Chung J., to Occidental Chemical Corporation. Novel soluble polymidesiloxanes and methods for their preparation and use. 4,829,131, 5-9-89, Cl. 525-426.000.

Lee, Chung J., to Occidental Chemical Corporation. Novel soluble polyimidesiloxanes and methods for their preparation using a flourine containing anhydride. 4,853,452, 8-1-89, Cl. 528-26.000.

Lee, Chung Suk: *See—*

Jung, Il Nam; Hwang, Sang Yo; and Lee, Chung Suk, 4,873,011, Cl. 252-75.000.

Lee, Chung Y. Filtration apparatus having spaced-apart driving members for changing a size of a treatment zone. 4,844,799, 7-4-89, Cl. 210-179.000.

Lee, Chunghsin, to High Temperature Engineering Corporation. Rapid thermal furnace for semiconductor processing. 4,857,689, 8-15-89, Cl. 219-10.710.

Lee, Chyi: *See—*

Goers, John W. F.; King, Hurley D.; Lee, Chyi; Coughlin, Daniel J.; Alvarez, Vernon L.; Rodwell, John D.; and McKearn, Thomas J., 4,867,973, Cl. 424-85.910.

Lee Company, The: *See—*

Kolp, Robert J., Jr.; Anderson, Stephen E.; and Dickey, Jeffrey C., 4,867,333, Cl. 220-234.000.

Lee, Leighton, II; and Kolp, Robert J., 4,804,468, Cl. 210-232.000.

Lee Controls, Inc.: *See—*

Magnuson, Robert E., 4,884,898, Cl. 384-58.000.

Lee County Mosquito Control District: *See—*

Levy, Richard, 4,818,534, Cl. 424-404.000.

Lee, D. Gilbert, Jr.: *See—*

Jenkins, Robert E.; Lee, D. Gilbert, Jr.; Moore, Robert C.; and Strohbehn, Kim, 4,805,228, Cl. 382-49.000.

Lee, Darren J.: *See—*

Arsene, Dennis J.; and Lee, Darren J., 4,858,555, Cl. 118-270.000.

Lee, David A. Drug delivery device. 4,863,457, 9-5-89, Cl. 604-891.100.

Lee, David A.: *See—*

Taylor, Douglas P.; and Lee, David A., 4,815,574, Cl. 188-280.000.

Lee, David L., to Stauffer Chemical Company. 2-(Substituted benzoyl)-4-(substituted or unsubstituted phenyl)-1,3-cyclohexanediones as herbicides. 4,795,488, 1-3-89, Cl. 71-103.000.

Lee, David L., to Stauffer Chemical Company. Certain 1,3-diphenyl-1,3-propanediones. 4,795,489, 1-3-89, Cl. 71-123.000.

Lee, David L.; and Carter, Charles G., to Stauffer Chemical Company. Herbicidal method and composition utilizing certain 5-(2-substituted benzoyl)-barbituric acids. 4,797,147, 1-10-89, Cl. 71-92.000.

Lee, David L.; and Michaely, William J., to Stauffer Chemical Company. Certain 2-(substituted benzoyl)-5-(substituted or unsubstituted phenyl)-1,3-cyclohexanediones as herbicides. 4,806,152, 2-21-89, Cl. 71-123.000.

Lee, David L., to Stauffer Chemical Company. Certain 2-(2-substituted benzoyl)-4-(substituted oxy or substituted thio)-1,3-cyclohexanediones. 4,808,214, 2-28-89, Cl. 71-98.000.

Lee, David L., to Stauffer Chemical Company. Certain 3-oxo-4-(substituted oxy or substituted thio)cyclohex-1-enyl-2-substituted benzoate intermediates. 4,808,338, 2-28-89, Cl. 265-397.70R.

Lee, David L.; James, Donald R.; and Michaely, William J., to Stauffer Chemical Company. Certain 2-(2-(substituted phenyl)acetyl)-1,3-cyclohexanediones. 4,822,905, 4-18-89, Cl. 558-414.000.

Lee, David L., to Stauffer Chemical Company. Ester intermediates for 2-benzoyl-4-phenyl-1,3-cyclohexanediones. 4,855,477, 8-8-89, Cl. 558-412.000.

Lee, David L.: *See—*

Carter, Charles G.; Lee, David L.; and Michaely, William J., 4,853,028, Cl. 71-103.000.

Lee, David M. Center collapsible transport cart. 4,878,682, 11-7-89, Cl. 280-42.000.

Lee, David O.; and Wayland, James R., Jr. Identification of fluids and an interface between fluids by measuring complex impedance. 4,885,529, 12-5-89, Cl. 324-57.00R.

Lee, Denny L. Y., to Du Pont de Nemours, E. I., and Company. Exposure control system for continuous tone electrophotographic film. 4,816,863, 3-28-89, Cl. 355-14.00E.

Lee, Dong K.: *See—*

Ihm, Sun K.; and Lee, Dong K., 4,839,329, Cl. 502-339.000.

Lee, Doug: *See—*

McLaughlin, William; Lee, Doug; and Garcia, Ricardo, 4,881,308, Cl. 29-25.420.

Lee, Douglas W.: *See—*

Leitko, Curtis E., Jr.; Wasson, Michael R.; Lee, Douglas W.; and Stangl, Gerald A., 4,834,193, Cl. 175-19.000.

Lee, Duck H. Tag attaching apparatus. 4,802,615, 2-7-89, Cl. 227-67.000.

Lee, Edward, to Solv-X Inventions Ltd. Power back scrubbing and flushing system for cooling systems. 4,840,223, 6-20-89, Cl. 165-95.000.

Lee, Edward: *See—*

Rutz, David A.; Lee, Edward; Schaefer, Robert P.; and Johnson, Edward L., 4,802,828, Cl. 416-241.00B.

Lee, Edward A.: *See—*

Lawrence, Victor B.; and Lee, Edward A., 4,831,637, Cl. 375-118.000.

Lee, Eon H.; and Chin, Seok W., to Goldstar Co., Ltd. Device for protecting the turntable shaft of microwave ovens from the concentration of microwaves. 4,800,246, 1-24-89, Cl. 219-10.55F.

Lee, Eon S.: *See—*

Yeo, Jong K.; Oh, Jong M.; Chang, Suk K.; and Lee, Eon S., 4,829,125, Cl. 525-194.000.

Lee, Eric K. L.; and Tuttle, Mark E., to Bend Research, Inc. Novel amine-based presursor compounds and composite membranes thereof. 4,851,127, 7-25-89, Cl. 210-654.000.

Lee, Eric K. L.: *See—*

Matson, Stephen L.; Lee, Eric K. L.; Friesen, Dwayne T.; and Kelly, Donald J., 4,824,443, Cl. 55-16.000.

Lee, Eugene. Temple biasing means. 4,848,891, 7-18-89, Cl. 351-113.000.

Lee, Eun S.; and Yum, Su I., to ALZA Corporation. Transdermal drug delivery device. 4,837,027, 6-6-89, Cl. 424-449.000.

Lee, Eung-Sang; and Park, Sung-Joon, to Sansung Electron Devices Co. Ltd. Non-glaring rearview mirror with liquid crystal mixture. 4,848,878, 7-18-89, Cl. 350-349.000.

Lee, Ferdinand: *See—*

Holland, George W.; Rosen, Perry; Maag, Hans; and Lee, Ferdinand, 4,808,734, Cl. 549-465.000.

Lee, Francis C.: *See—*

Campbell, Alan S.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, 4,870,433, Cl. 346-140.00R.

Durbeck, Robert C.; Eldridge, Jerome M.; Lee, Francis C.; and Olive, Graham, 4,847,636, Cl. 346-140.00R.

Lee, Frank D.; Yokota, Takashi; and Arai, Ken-ichi, to DNAX Research Institute of Molecular and Cellular Biology, Inc. cDNA clones coding for polypeptides exhibiting murine interleukin-2 activity. 4,798,789, 1-17-89, Cl. 435-68.000.

Lee, Frank W.; Neuner, Jon D.; and Baron, Kenneth, to Hexcel Corporation. Composite tooling. 4,859,528, 8-22-89, Cl. 428-290.000.

Lee, Fred C.: *See—*

Carpenter, Grant; Lee, Fred C.; and Chen, Dan Y., 4,851,769, Cl. 324-158.00T.

Ridley, Raymond B.; and Lee, Fred C., 4,866,367, Cl. 323-287.000.

Tabisz, Wojciech A.; and Lee, Fred C., 4,841,220, Cl. 323-282.000.

Tabisz, Wojciech A.; and Lee, Fred C., 4,857,822, Cl. 323-282.000.

Tabisz, Wojciech A.; Lee, Fred C.; and Jovanovic, Milan M., 4,860,184, Cl. 363-17.000.

Lee, Fu-Kuei. Portable electrical brush. 4,796,321, 1-10-89, Cl. 15-29.000.

Lee, Fu-Kuei. Motor driven rotary brush. 4,799,280, 1-24-89, Cl. 15-29.000.

Lee, Fu M.; and Ceurvorst, Joseph G., to Phillips Petroleum Company. Recovery of N-methyl-2-pyrrolidone. 4,859,781, 8-22-89, Cl. 548-555.000.

Lee, Fu M.: *See—*

Walker, Darrell W.; and Lee, Fu M., 4,846,960, Cl. 208-119.000.

Lee, Fung-Chune. Fast-clamping vise. 4,809,962, 3-7-89, Cl. 269-182.000.

Lee, Garrett, to University of California, Regents of. Catheter assembly. 4,875,897, 10-24-89, Cl. 604-283.000.

Lee, Garrett: *See—*

Rink, Dan; Rink, John; and Lee, Garrett, 4,848,339, Cl. 128-303.100.

Lee, Gary M.; Lee, Charles M.; and LaRue, George S., to Gain Electronics Corporation. GAAS FET logic having increased noise margin. 4,798,978, 1-17-89, Cl. 307-450.000.

Lee, Gary M.; and Peczalski, Andrzej, to Honeywell Inc. Schottky diode logic for E-mode FET/D-mode FET VLSI circuits. 4,798,979, 1-17-89, Cl. 307-450.000.

Lee, Genius. Multiple water color combination set. 4,852,726, 8-1-89, Cl. 206-1.900.

Lee, George D.: *See—*

Holowach, Joseph; and Lee, George D., 4,813,608, Cl. 239-265.370.

Lee, George T.: *See—*

Chen, Kau-Ming; Hardtmann, Goetz E.; Kapa, Prasad K.; Lee, George T.; Linder, Jerome; and Wattanasin, Sompong, 4,870,199, Cl. 556-437.000.

Lee, Gim F., Jr.; Heuschen, Jean M.; and Van Der Meer, Roelof, to General Electric Company. Impact modified polyphenylene ether-polyamide compositions. 4,874,810, 10-17-89, Cl. 524-505.000.

Lee, Gim F., Jr.: *See—*

Abolins, Visvaldis; Betts, Joseph E.; Holub, Fred F.; and Lee, Gim F., Jr., 4,808,647, Cl. 524-141.000.

Lee, Gyu S. Changeable display unit for use in a sign device. 4,825,205, 4-25-89, Cl. 340-815.050.

Lee, H. P. Sherman: *See—*

Si, Stephen S. C.; Lee, H. P. Sherman; and Rawlinson, Stephen J., 4,800,516, Cl. 364-748.000.

Lee, Hae-Seung; Howe, Roger T.; and Kung, Joseph T., to Massachusetts Institute of Technology. Digital technique for precise measurement of variable capacitance. 4,860,232, 8-22-89, Cl. 364-571.040.

Lee, Han-Sheng, to General Motors Corporation. Transistor structure for high temperature logic circuits with insulation around source and drain regions. 4,862,232, 8-29-89, Cl. 357-23.100.

Lee, Hee-Yong, to Dae Ryung Vacumm Co. Ltd. Multi-rod type magnetron sputtering apparatus. 4,879,017, 11-7-89, Cl. 204-298.000.

Lee, Henry J. Female condom device. 4,840,624, 6-20-89, Cl. 604-349.000.

Lee, Ho-Shang. Fiberoptic switch. 4,834,488, 5-30-89, Cl. 350-96.200.

Lee, Hong H.; and Lee, Sang H. Passivation of group III-V surfaces. 4,871,692, 10-3-89, Cl. 437-235.000.

Lee, Hong-Maw. Electronic ignition system. 4,813,393, 3-21-89, Cl. 123-415.000.

Lee, Hop. Electrical outlet box and outlet therefor. 4,845,312, 7-4-89, Cl. 174-65.00R.

Lee, Hop. Electric plug. 4,846,706, 7-11-89, Cl. 439-104.000.

Lee, Hsing-San, to International Business Machines Corporation. Sense amplifier control circuit. 4,825,410, 4-25-89, Cl. 365-189.000.

Lee, Huai-Chuan; Toratani, Hisayoshi; and Meissner, Helmuth E., to Raychem Corporation. Avoidance of surface deterioration of glass during strengthening processes. 4,883,523, 11-28-89, Cl. 65-30.140.

Lee, Hung S.: *See—*

Skotheim, Terje A.; Okamoto, Yoshiyuki; and Lee, Hung S., 4,882,243, Cl. 429-192.000.

Lee, Hyo C.: *See—*

Farrauto, Robert J.; Lee, Hyo C.; and Hatfield, W. Robert, 4,863,893, Cl. 502-325.000.

Lee, I-Hwa, to Du Pont de Nemours, E. I., and Company. Improved coextrudable adhesive and products therefrom. 4,861,676, 8-29-89, Cl. 428-516.000.

Lee, I-Hwa, to Du Pont de Nemours, E. I., and Company. Coextrudable adhesive for polystyrene, and products therefrom. 4,861,677, 8-29-89, Cl. 428-516.000.

Lee, I Soo. Multi-phase bipolar brushless D.C. motor. 4,882,524, 11-21-89, Cl. 318-254.000.

Lee, Jae B.; and Choe, Kum C. Screw-type fastening device. 4,810,149, 3-7-89, Cl. 411-411.000.

Lee, Jae B.; and Choe, Kum C. Screw-type fastening device. 4,850,775, 7-25-89, Cl. 411-366.000.

Lee, Jae M.: *See—*

Patterson, Henry B.; Wasserbaech, Eberhard E.; and Lee, Jae M., 4,833,834, Cl. 51-147.000.

Lee, Jae S.: *See—*

Min, Sung-Ki; and Lee, Jae S., 4,853,559, Cl. 307-270.000

Lee, James C., to Honeywell Inc. Apparatus for applying multilayer optical interference coating on complex curved substrates. 4,827,870, 5-9-89, Cl. 118-665.000.

Lee, James C., to Honeywell Inc. Methods for fabricating electro-optically active niobium dioxide (NbO_2) thin films. 4,877,504, 10-31-89, Cl. 204-192.110.

Lee, James H.: *See—*

Dickstein, Heidi L.; Hiraoka, Hiroyuki; and Lee, James H., 4,875,124, Cl. 360-126.000.

Fontana, Robert E., Jr.; Howard, James K.; Lee, James H.; and Lefakis, Haralambos, 4,879,619, Cl. 360-113.000.

Lee, James I. C.: *See—*

Raabe, Otto G.; and Lee, James I. C., 4,832,012, Cl. 128-200.210.

Lee, James M. Podded cleat horseshoe. 4,844,172, 7-4-89, Cl. 168-13.000.

Lee, James M.: *See—*

Kirkpatrick, Hugh J.; Lee, Thomas J.; and Lee, James M., 4,870,757, Cl. 30-344.000.

Lee, Jang B.: *See—*

Lee, Youn S., 4,887,198, Cl. 363-18.000.

Lee, Jaw F.: *See—*

Krause, Richard J.; Lee, Jaw F.; and Breckenridge, Craig W., 4,803,365, Cl. 250-461.200.

Lee, Jeffery H.; and Chin, Yee S., to Prodigy Systems Corporation. Compressed image expansion system. 4,843,632, 6-27-89, Cl. 382-56.000.

Lee, Jen S.: *See—*

Ritsko, Joseph E.; and Lee, Jen S., 4,801,472, Cl. 427-217.000.

Lee, Jerald D.; Elias, John G.; Rockney, Bennett H.; and Wolf, William E., to Du Pont de Nemours, E. I., and Company. Photodetector assembly for a laser scanning apparatus. 4,814,606, 3-21-89, Cl. 250-235.000.

Lee, Jeun-Keun: *See—*

Lin, Jui-Chang, 4,837,427, Cl. 235-488.000.

Lee, Ieun-Kuen: *See—*

Lin, Jui-Chang, 4,820,330, Cl. 70-277.000.

Lee, Jhang W.; and McCullough, Richard E., to Kopin Corporation. Annealing method for III-V deposition. 4,835,116, 5-30-89, Cl. 437-111.000.

Lee, Jhang W.; and Reed, Mark A., to Texas Instruments Incorporated. Binary superlattice tunneling device and method. 4,851,886, 7-25-89, Cl. 357-4.000

Lee, Jhang W.: *See—*

Fan, John C. C.; Lee, Jhang W.; and Narayan, Jagdish, 4,863,877, Cl. 437-22.000.

Salerno, Jack P.; Lee, Jhang W.; and McCullough, Richard E., 4,826,784, Cl. 437-89.000.

Lee, Jimmy C.-M.: *See—*

Tanaka, Akira; and Lee, Jimmy C.-M., 4,880,084, Cl. 188-67.000.

Lee, John: *See—*

Gustafson, Eric K.; Trebino, Rick; and Lee, John, 4,876,208, Cl. 436-531.000.

Gustafson, Eric K.; Trebino, Rick; and Lee, John, 4,886,761, Cl. 436-518.000.

Lee, John K. Dual ignition system for internal combustion engines. 4,848,305, 7-18-89, Cl. 123-637.000.

Lee, John N., to United States of America, Army. Method and apparatus for enhancement of primary pyroelectric response. 4,804,844, 2-14-89, Cl. 250-338.300.

Lee, John N.; Athale, Ravindra A.; and Rolsma, Peter B., to United States of America, Navy. Optical beamformers. 4,862,115, 8-29-89, Cl. 332-7.510.

Lee, John S.: *See—*

Falk, Ronald J.; and Lee, John S., 4,866,824, Cl. 29-33.00R.

Lee, John Y.; and Spielman, Edgar E., Jr., to Ethyl Corporation. Preparation of dibromoneopentyl glycol. 4,873,377, 10-10-89, Cl. 568-844.000.

Lee, Jong S. Equipment for towless skiing on water surface. 4,804,345, 2-14-89, Cl. 440-21.000.

Lee, Jonghee: *See—*

Baun, Philip J., Jr.; Carriere, Joseph F.; Eng, Stephen K.; Landry, Joseph E.; Lee, Jonghee; Nolan, Thomas M.; and Rhodes, David C., 4,849,977, Cl. 371-49.000.

Lee, Jordan R.: *See—*

Macfarlane, Glen R.; Lee, Jordan R.; and Smith, Ross R., 4,805,573, Cl. 123-403.000.

Lee, Joseph H., to Maclee Chemical Company, Inc. Brightener and aqueous plating bath for tin and/or lead. 4,844,780, 7-4-89, Cl. 204-44.400.

Lee, Joseph M.: *See—*

Quandt, James A.; and Lee, Joseph M., 4,884,413, Cl. 62-135.000.

Lee, Juang J. Rack structure for balls and related equipment. 4,854,456, 8-8-89, Cl. 211-14.000.

Lee, Julia L.: *See—*

Crivello, James V.; and Lee, Julia L., 4,840,977, Cl. 522-25.000.

Crivello, James V.; and Lee, Julia L., 4,882,201, Cl. 427-54.100.

Lee, Jung T., to Castip Industrial Co., Ltd. Suitcase with a counterconditioning action. 4,850,624, 7-25-89, Cl. 292-228.000.

Lee, Kang W.; and Rabe, Robert L., to Honeywell Inc. Read-only memory. 4,884,238, 11-28-89, Cl. 365-105.000.

Lee, Kenneth A.; and Palmquist, Robert J., to Children'Fund, The. Card vending machine. 4,847,473, 7-11-89, Cl. 235-381.000.

Lee, Kenneth K., to Unisys Corporation. Fast locking phase-locked loop utilizing frequency estimation. 4,827,225, 5-2-89, Cl. 331-10.000.

Lee, Keunmyung; and Nishi, Yoshio, to Hewlett-Packard Company. Via connection with thin resistivity layer. 4,812,419, 3-14-89, Cl. 437-203.000.

Lee, Ki-Seok. Drinking fluids carton. 4,799.619, 1-24-89, Cl. 229-125.420.

Lee, Ki W., to Siemens-Bendix Automotive Electronics L.P. Methods of making silicon-based sensors. 4,870,745, 10-3-89, Cl. 29-610.100.

Lee, Ki W.; and Cook, Charles R., Jr., to Siemens-Bendix Automotive Electronics L. P. Control and detection circuitry for mass airflow sensors. 4,884,443, 12-5-89, Cl. 73-204.160.

Lee, Ki W.; and Choi, Il-Hyun, to Siemens-Bendix Automotive Electronics L.P. Silicon based mass airflow sensor and its fabrication method. 4,888,988, 12-26-89, Cl. 73-204.260.

Lee, Kil J. Rotating clothes tree. 4,877,140, 10-31-89, Cl. 211-163.000.

Lee, Kil J. Rotating clothes tree. 4,889,246, 12-26-89, Cl. 211-163.000.

Lee Krost Associates Inc.: *See—*

Krost, Lee, 4,817,990, Cl. 283-101.000.

Lee, Kuan M., to Hughes Aircraft Company. Ridged waveguide wide band diplexer with extremely sharp cut-off properties. 4,812,789, 3-14-89, Cl. 333-135.000.

Lee, Kuan M.; Lange, William L.; and Livingston, Stan W., to Hughes Aircraft Company. Compact dual series waveguide feed. 4,818,958, 4-4-89, Cl. 333-114.000.

Lee, Kun S.; and Park, Dong K., to Poong San Metal Corporation. High strength and wear resistance copper alloys. 4,851,191, 7-25-89, Cl. 420-471.000.

Lee, Kuo-Hua; Lu, Chih-Yuan; and Yaney, David S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method for making folded extended window field effect transistor. 4,844,776, 7-4-89, Cl. 156-653.000.

Lee, Kwan H., to Gold Star Co., Ltd. Door latch assembly. 4,858,969, 8-22-89, Cl. 292-78.000.

Lee, Kwing F.: *See—*

Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.

Lee, Kye S., to Samsung Electro-Mechanics Co., Ltd. Stereo system with piezo-electrical film speaker. 4,817,152, 3-28-89, Cl. 381-24.000.

Lee, Kye S., to Samsung Electro-Mechanics Co., Ltd. Film speaker using a piezo-electric element. 4,820,952, 4-11-89, Cl. 310-334.000.

Lee, Kyu W., to Hexcel Corporation. Polyimide foam precursor and its use in reinforcing open-cell materials. 4,806,573, 2-21-89, Cl. 521-157.000.

Lee, Kyu W., to Hexcel Corporation. Polyimide foam precursor and its use in reinforcing open-cell materials. 4,824,874, 4-25-89, Cl. 521-127.000.

Lee, Kyu W., to Hexcel Corporation. Polyimide foam precursor and its use in reinforcing open-cell materials. 4,830,883, 5-16-89, Cl. 427-244.000.

Lee, Lain-tze; Chen, Mei H.; and Yao, Chung-Niang, to Industrial Technology Research Institute. Process for manufacturing p-aminophenol. 4,885,389, 12-5-89, Cl. 564-418.000.

Lee, Lawrence K. Litter disposal mechanism. 4,850,508, 7-25-89, Cl. 220-407.000.

Lee, Lawrence L. Perforated splint. 4,854,310, 8-8-89, Cl. 128-87.00A.

Lee, Lawrence L. Guided hammer. 4,875,612, 10-24-89, Cl. 227-147.000.

Lee, Leighton, II; and Kolp, Robert J., to Lee Company, The. Self-retaining smooth bore insert. 4,804,468, 2-14-89, Cl. 210-232.000.

Lee, Len F.; and Miller, Maria L., to Monsanto Company. 2,6-substituted pyridine compounds. 4,797,149, 1-10-89, Cl. 71-94.000.

Lee, Len F., to Monsanto Company. Herbicidal compositions and method containing 3,5-dicarboxylic acid esters of 2,6-bis-(fluoroalkyl) tetrahydropyrans. 4,816,062, 3-28-89, Cl. 71-88.000.

Lee, Len F., to Monsanto Company. 2,6-substituted pyridine compounds. 4,826,530, 5-2-89, Cl. 71-94.000.

Lee, Len F.; and Miller, Maria L., to Monsanto Company. 2,6-substituted pyridine compounds. 4,835,279, 5-30-89, Cl. 546-315.000.

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- Lee, Len F.; Moedritzer, Kurt; and Rogers, Michael D., to Monsanto Company. Substituted 3-hydroxy pyrazoles. 4,855,442, 8-8-89, Cl. 548-365.000.
- Lee, Len F.; and Dolson, Mark G., to Monsanto Company. Certain 3-amino-5-carboxy (or thio carboxy) pyridine herbicides. 4,885,026, 12-5-89, Cl. 71-94.000.
- Lee, Len F.: *See—*
  - Fields, Donald L., Jr.; Lee, Len F.; and Richard, Thomas J., 4,810,426, Cl. 260-502.50F.
  - Sing, Yuen-Lung L.; Miller, Maria L.; and Lee, Len F., 4,826,532, Cl. 71-94.000.
- Lee, Leonard E., to Mid-Continent Pipe & Supply Company, Inc. Plastic pipe with locking integral end connection 4,875,714, 10-24-89, Cl. 285-86.000.
- Lee, Leonard G., to Lee Valley Tools Ltd. Blind nailer. 4,821,419, 4-18-89, Cl. 30-493.000.
- Lee, Leonard G., to Lee Valley Tools Ltd. Apparatus and method for marking center of turning billet. 4,868,995, 9-26-89, Cl. 33-672.000.
- Lee, Lester H.: *See—*
  - Jenkins, Thomas B.; Ulery, Dennis R.; Wilson, Blake W.; Walko, Steven C.; Lee, Lester H.; Salerno, Robert P.; Nason, Robert W.; and Courtney, John P., 4,859,891, Cl. 310-215.000.
- Lee, Lester Q.: *See—*
  - Parker, Mark G.; Forland, David M.; Lee, Lester Q.; McGuirk, Thomas; Potter, Daniel R.; and Potter, Stephen F., 4,817,304, Cl. 36-114.000.
- Lee, Lin-Nan; and Becker, Neal D., to Communications Satellite Corporation. Subscription control for television programming. 4,797,918, 1-10-89, Cl. 380-20.000.
- Lee, Lin-Nan; and Becker, Neal D., to Communications Satellite Corporation. Stream cipher system with feedback. 4,815,130, 3-21-89, Cl. 380-50.000.
- Lee, Lin-Nan; and Hemmati, Farhad, to Communications Satellite Corporation. Nonlinear random sequence generators. 4,852,023, 7-25-89, Cl. 364-717.000.
- Lee, Lin-Nan: *See—*
  - Becker, Neal D.; Shenoy, Ajit; and Lee, Lin-Nan, 4,829,377, Cl. 358-147.000.
- Lee, Linda G.; and Chen, Chia-Huei, to Becton, Dickinson and Company. Detection of reticulocytes, RNA or DNA. 4,883,867, 11-28-89, Cl. 536-28.000.
- Lee, Lindsey D., to Halliburton Company. Slipliner grouting method and system. 4,889,449, 12-26-89, Cl. 405-154.000.
- Lee, Mark C.: *See—*
  - Elleman, Daniel D.; Allen, James L.; and Lee, Mark C., 4,840,496, Cl. 374-124.000.
  - Wang, Taylor G.; Elleman, Daniel D.; Lee, Mark C.; and Kendall, James M., Jr., 4,804,796, Cl. 585-269.000.
  - Wang, Taylor G.; Elleman, Daniel D.; Lee, Mark C.; and Kendall, James M., Jr., 4,820,503, Cl. 423-362.000.
- Lee, Mark S.: *See—*
  - King, David R.; Lee, Mark S.; and Decker, Richard W., 4,847,446, Cl. 174-68.500.
- Lee, Martin. Safety shoe structure. 4,870,762, 10-3-89, Cl. 36-77.00R.
- Lee, Maurice W., Jr. Automatic circuit control for electrical resistance cooking apparatus. 4,822,982, 4-18-89, Cl. 219-497.000.
- Lee, May D.: *See—*
  - Kirby, Jane P.; Borders, Donald B.; Lee, May D.; Maiese, William M.; Testa, Raymond T.; and Labeda, David P., 4,870,019, Cl. 435-252.100.
- Lee, Mei-Tsu; Shackle, Dale R.; and Schwab, Gerhart, to MHB Joint Venture. Radiation cured solid electrolytes and electrochemical devices employing the same. 4,830,939, 5-16-89, Cl. 429-192.000.
- Lee, Michael. Inflatable article with a reinforced cord. 4,826,715, 5-2-89, Cl. 428-65.000.
- Lee, Michael J. Golf putter. 4,844,468, 7-4-89, Cl. 273-163.00R.
- Lee, Michael J., to National Research Development Corporation. Method of manufacturing semiconductor devices and product therefrom. 4,847,211, 7-11-89, Cl. 357-4.000.
- Lee, Mildred: *See—*
  - Phillips, Eddie; Harville, Dyle; Lee, Mildred; Kirby, Danny; Ellison, Kathleen; Smithy, Mary J.; McNutt, Eugene; Gholston, Yvonne; Brewer, Jim; and McClure, Charles, 4,887,774, Cl. 242-58.600.
- Lee, Milton L.: *See—*
  - Bradshaw, Jerald S.; Jones, Brian A.; Markides, Karin E.; and Lee, Milton L., 4,864,033. Cl. 548-446.000.
  - Yang, Frank J.; Farnsworth, Paul B.; Markides, Karin E.; Lee, Milton L.; and Skelton, Ronald J., Jr., 4,851,683, Cl. 250-339.000.
- Lee, Min-Hsiun, to Amoco Corporation. Sulfur recovery process using metal oxide absorbent with reducing gas purge. 4,849,202, 7-18-89, Cl. 423-574.00R.
- Lee, Min-Hsiun: *See—*
  - McGovern, John J.; Pendergraft, Paul T.; and Lee, Min-Hsiun, 4,797,268, Cl. 423-574.00R.
- Lee, Min-Ru, to Linear Technology Corporation. CMOS Amplifier having enhanced current sinking and capacitance load drive. 4,847,566, 7-11-89, Cl. 330-253.000.
- Lee, Minyoung: *See—*
  - Thomas, Charles E.; Lee, Minyoung; and Wildes, Douglas G., 4,831,365, Cl. 340-680.000.
- Lee, Nancy E.: *See—*
  - Kinney, William A.; and Lee, Nancy E., 4,873,238, Cl. 514-227.800.
- Lee, Nicholas A., to Minnesota Mining and Manufacturing Company. Tunable splice for fiber optics. 4,856,865, 8-15-89, Cl. 350-96.210.
- Lee, Noel. Universal electrical connector. 4,802,870, 2-7-89, Cl. 439-860.000.
- Lee, Noel. Spade lug having scored surfaces. 4,808,130, 2-28-89, Cl. 439-886.000.
- Lee, Noel. Electrical pin with bend. 4,834,666, 5-30-89, Cl. 439-266.000.
- Lee, Norman C., to Zarn, Inc. Apparatus for segregated refuse collection. 4,878,592, 11-7-89, Cl. 220-23.830.
- Lee, Ora J.: *See—*
  - O'Dowd, James G.; Catalano, Anthony W.; Fortmann, Charles M.; and Lee, Ora J., 4,880,664, Cl. 427-109.000.
- Lee, Pang K.: *See—*
  - Kanter, Ira E.; and Lee, Pang K., 4,818,355, Cl. 204-170.000.
- Lee, Paul B. Downhole valve for use when drilling an oil or gas well. 4,889,199, 12-26-89, Cl. 175-317.000.
- Lee, Paul R.; and Hingsbergen, Joseph P., to Chi-Vit Corporation. Lead-free frit. 4,877,758, 10-31-89, Cl. 501-24.000.
- Lee, Peter; and Theus, Ulrich, to Deutsche ITT Industries GmbH. CMOS full-adder stage. 4,817,030, 3-28-89, Cl. 364-784.000.
- Lee, Peter P. Shoe polish composition. 4,804,413, 2-14-89, Cl. 106-8.000.
- Lee, Peter R.: *See—*
  - Kirk, Richard A.; Lee, Peter R.; Hart, Peter B.; Chilton, George A. A.; and Cobb, Alan J., 4,884,086, Cl. 346-155.000.
- Lee, Phil: *See—*
  - Inoue, Bert; and Lee, Phil, 4,796,383, Cl. 47-73.000.
- Lee, Pil J.: *See—*
  - Brickell, Ernest F.; Lee, Pil J.; and Yacobi, Yacov, 4,845,749, Cl. 380-46.000.
- Lee, Raymond; Lanier, Carroll W.; and Broemmelsiek, H. Eugene, to Ethyl Corporation. Production of foamed polymer structures. 4,804,504, 2-14-89, Cl. 264-26.000.
- Lee, Raymond: *See—*
  - Broemmelsiek, H. Eugene; Lee, Raymond; and Lanier, Carroll W., 4,877,563, Cl. 264-26.000.
  - Lanier, Caroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, 4,855,331, Cl. 521-184.000.
  - Lanier, Carroll W.; Broemmelsiek, H. Eugene; and Lee, Raymond, 4,822,537, Cl. 264-26.000.
- Lee, Raymond N. Paper roll holding device. 4,871,123, 10-3-89, Cl. 242-55.200.
- Lee, Rebecca: *See—*
  - Borgos, John A.; Bradac, Francis; Haunschild, Daniel J.; Johnson, Timothy; and Lee, Rebecca, 4,875,75[illegible], Cl. 350-96.200.
- Lee, Rex A.: *See—*
  - Fazlin, Fazal A.; and Lee, Rex A., 4,806 225, Cl. 204-298.000.
  - Fazlin, Fazal A.; and Lee, Rex A., 4,863 577, Cl. 204-192.320.
- Lee, Richard B., to Keystone International, Inc. Check valve with disc centering device. 4,862,910, 9-5-89, Cl. 137-270.000.
- Lee, Richard H. C.; Hwang, John C. C.; Ma, Ing J.; and Lin, Ching F., to Scienchem Laser Co., Ltd. Resonant laser cavity system. 4,815,095, 3-21-89, Cl. 372-107.000.
- Lee, Richard J. Multifunctional ammunition case reloading die. 4,836,078, 6-6-89, Cl. 86-24.000.
- Lee, Richard J. Weighing scale. 4,836,315, 6-6-89, Cl. 177-247.000.
- Lee, Richard J.: *See—*
  - Lentz, Henry P.; Delaney, Larry R.; Matone, Charles J., Jr.; Lee, Richard J.; and Lang, Dan H., 4,831,236, Cl. 219-271.000.
- Lee, Robert; Hornsey, Derek; Garrido, Guillermo; and Dieguez, Jose M., to Canadian Liquid Air, Ltd. Process and device for oil recovery using steam and oxygen-containing gas. 4,860,827, 8-29-89, Cl. 166-261.000.
- Lee, Robert A. S., to Electric Power Research Institute, Inc. Flexible lance for steam generator secondary side sludge removal. 4,827,953, 5-9-89, Cl. 134-172.000.
- Lee, Robert A. S.: *See—*
  - Brooks, Boyd P.; and Lee, Robert A. S., 4,816,987, Cl. 364-165.000.
- Lee, Robert D.; and Dias, Donald R., to Dallas Semiconductor Corporation. Electronic key locking circuitry. 4,870,401, 9-26-89, Cl. 340-825.310.
- Lee, Robert G. H.: *See—*
  - Garrido, Guillermo F.; Lee, Robert G. H.; Hornsey, Derek; and Dieguez, Jose M., 4,823,710, Cl. 110-234.000.
  - Garrido, Guillermo F.; Lee, Robert G. H.; and Francois, Olivier, 4,854,972, Cl. 106-437.000.
- Lee, Robert H.; and Levran, Alexander, to Teledyne Inet. Constant speed and frequency generating system. 4,806,841, 2-21-89, Cl. 322-29.000.
- Lee, Robert W., to General Motors Corporation. Iron-rare earth-boron permanent magnets by hot working. 4,844,754, 7-4-89, Cl. 148-302.000.
- Lee, Robert W.: *See—*
  - Brewer, Earl G.; and Lee, Robert W., 4,859,410, Cl. 419-10.000.
  - Brewer, Earl G.; Lee, Robert W.; and Croat, John J., 4,881,985, Cl. 148-103.000.
- Lee, Roger C.: *See—*
  - Weinberger, Gerald J.; Lee, Roger C.; and Miller, Stanley F., 4,888,822, Cl. 379-130.000.
- Lee, Roger H. Shirt and tie garment protector. 4,888,827, 12-26-89, Cl. 2-52.000.
- Lee, Ronald S.: *See—*
  - Boberg, Ralph E.; Lee, Ronald S.; and Weingart, Richard C., 4,852,493, Cl. 102-202.500.
- Lee, Rosemary A.; and Cade, Neil A., to General Electric Company, p.l.c., The. Field emission vacuum devices. 4,827,177, 5-2-89, Cl. 313-306.000.
- Lee-Rowan Company: *See—*
  - Arnold, William D., 4,887,538, Cl. 108-111.000.

  - Camilleri, Charles F., 4,825,504, Cl. 16-108.000.
- Lee, Ruby B., to Hewlett-Packard Company. Maximal length immediates with fixed sign position. 4,829,424, 5-9-89, Cl. 364-200.000.
- Lee, Ruojia R., to Micron Technology, Inc. Blanket CMOS channel stop implant employing a combination of n-channel and p-channel punch-through implants. 4,839,301, 6-13-89, Cl. 437-29.000.
- Lee, Sae D., to Zenith Electronics Corporation. Cathode ray tube contrast enhancement systems. 4,841,372, 6-20-89, Cl. 358-247.000.
- Lee, Sam S.: *See—*
  - Arzoumanidis, Gregory G.; Karayannis, Nicholas M.; Khelghatian, Habet M.; Lee, Sam S.; and Johnson, Bryce V., 4,866,022, Cl. 502-120.000.
- Lee, Sang G.: *See—*
  - Kim, In O.; and Lee, Sang G., 4,873,363, Cl. 568-319.000.
- Lee, Sang H.: *See—*
  - Chao, Hung-Hsiang J.; and Lee, Sang H., 4,833,673, Cl. 370-94.000.
  - Lee, Hong H.; and Lee, Sang H., 4,871,692, Cl. 437-235.000.
- Lee, Sang L., to Goldstar Co., Ltd. Door latch assembly. 4,826,224, 5-2-89, Cl. 292-254.000.
- Lee, Scott. Exercise bench. 4,861,024, 8-29-89, Cl. 272-123.000.
- Lee, Scott: *See—*
  - Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,829,373, Cl. 358-88.000.
  - Leberl, Franz W.; Curry, Sean; Henrot, Denis; Karspeck, Milan; and Lee, Scott, 4,841,455, Cl. 364-525.000.
  - Leberl, Franz W.; Karspeck, Milan; Johns, Bryan; Lee, Scott; Henrot, Denis; and Curry, Sean, 4,849,912, Cl. 364-525.000.
- Lee, Shaw-guang: *See—*
  - Hum, Wah-tung; and Lee, Shaw-guang, 4,806,346, Cl. 424-85.800.
- Lee, Sheng Y., to United States of America, National Aeronautics and Space Administration. Cellular thermosetting fluorodiepoxide polymers. 4,843,123, 6-27-89, Cl. 521-178.000.
- Lee, Sherman: *See—*
  - Aria, Percy R.; and Lee, Sherman, 4,870,622, Cl. 365-230.020.
  - Johnson, William M.; Olson, Timothy A.; Dutton, Drew J.; Lee, Sherman; and Stoenner, David W., 4,878,166, Cl. 364-200.000.
- Lee, Shu-Hwa. Christmas light set compiler. 4,890,206, 12-26-89, Cl. 362-227.000.
- Lee, Simon W., to Syntex (U.S.A.) Inc. Bordetella bronchiseptica pilus subunit protein vaccine effective against bordetella pertussis. 4,857,318, 8-15-89, Cl. 424-92.000.
- Lee, Siu-Leung, to Battelle Development Corporation. Chromatographic process. 4,874,520, 10-17-89, Cl. 210-635.000.
- Lee, So-Sun K. Cord or rod clamp. 4,881,302, 11-21-89, Cl. 24-136.00R.
- Lee, Song L. Structure of window shade. 4,815,515, 3-28-89, Cl. 160-23.100.
- Lee, Song Y.: *See—*
  - Kortright, Kenneth H.; Hofheinz, David E.; Allman, David M.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,870,003, Cl. 435-5.000.
  - Kortright, Kenneth H.; Hofheinz, David E.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,886,742, Cl. 435-5.000.
- Lee, Sootae: *See—*
  - Brown, Melvin H.; Staley, James T.; Liu, John; and Lee, Sootae, 4,863,528, Cl. 148-12.70A.
- Lee, Stan Y. C.: *See—*
  - Willis, Mark E.; Ranganayaki, Rambabu P.; Shirley, Thomas E.; and Lee, Stan Y. C., 4,887,244, Cl. 367-73.000.
- Lee, Stephen M. Clock mechanism and display face. 4,885,729, 12-5-89, Cl. 368-76.000.
- Lee, Steven S., to NCR Corporation. Isolation of regions in a CMOS structure using selective epitaxial growth. 4,820,654, 4-11-89, Cl. 437-067.000.
- Lee, Steven S.: *See—*
  - Allman, Derryl D. J.; and Lee, Steven S., 4,855,258, Cl. 437-241.000.
- Lee, Suck H.: *See—*
  - Park, Ho J.; Kim, Seo W.; Jin, Jung I.; and Lee, Suck H., 4,816,552, Cl. 528-271.000.
- Lee, Suh Y., to Westinghouse Electric Corp. Automatic combustion control method for a rotary combustor. 4,870,912, 10-3-89, Cl. 110-246.000.
- Lee, Suh Y.: *See—*
  - Levin, George B.; Lee, Suh Y.; and Moritz, James H., 4,862,813, Cl. 110-216.000.
  - Whitlow, Graham A.; and Lee, Suh Y., 4,889,059, Cl. 110-246.000.
  - Yang, Wen-Ching; Lee, Suh Y.; and Ettehadieh, Bozorg, 4,889,058, Cl. 110-214.000.
- Lee, Suk Young. Barbell. 4,828,256, 5-9-89, Cl. 272-123.000.
- Lee, Sung J.: *See—*
  - Dolak, Terence M.; Lee, Sung J.; and Bullington, James L., 4,853,389, Cl. 514-275.000.
- Lee, Sung Y.; and Nakama, Lloyd, to Swinglite, Inc. Golf swing indicator. 4,819,942, 4-11-89, Cl. 273-186.00A.
- Lee, Sung Y. Golf-grip training device. 4,861,034, 8-29-89, Cl. 273-183.00D.
- Lee, Sung Y. Golfer's head movement indicator. 4,869,509, 9-26-89, Cl. 273-183.00B.
- Lee, Susan. Lounge chair cover. 4,877,288, 10-31-89, Cl. 297-229.000.
- Lee, Sywe-Neng, to GTE Laboratories Incorporated. Fast CMOS NAND gate circuit. 4,851,713, 7-25-89, Cl. 307-443.000.
- Lee, Sywe-Neng, to GTE Laboratories Incorporated. Current-mirror transistor logic circuit. 4,862,017, 8-29-89, Cl. 307-443.000.
- Lee, Ta J.; and Hoffman, William F., to Merck & Co., Inc. Intermediates and processes for 6-carboxy HMG-CoA reductase inhibitors. 4,841,074, 6-20-89, Cl. 549-292.000.
- Lee, Ta J.; Rooney, Clarence S.; and Hoffman, William F., to Merck & Co., Inc. Antihypercholesterolemic compounds. 4,847,306, 7-11-89, Cl. 514-824.000.
- Lee, Ta J.; and Hoffman, William F., to Merck & Co., Inc. Intermediates for 6-alpha-hydroxymethyl HMG-CoA reductase inhibitors. 4,855,456, 8-8-89, Cl. 549-214.000.
- Lee, Ta J.; Hoffman, William F.; and Rooney, Clarence S., to Merck & Co., Inc. Antihypercholesterolemic compounds. 4,876,279, 10-24-89, Cl. 514-510.000.
- Lee, Ta J.: *See—*
  - Hoffman, William F.; and Lee, Ta J., 4,857,547, Cl. 514-460.000.
  - Hoffman, William F.; Lee, Ta J.; and Rooney, Clarence S., 4,864,038, Cl. 514-460.000.
  - Hoffman, William F.; Smith, Robert L.; and Lee, Ta J., 4,866,090, Cl. 514-460.000.
  - Hoffman, William F.; Lee, Ta J.; Smith, Robert L.; and Rooney, Clarence S., 4,876,366, Cl. 514-570.000.
  - Smith, Robert L.; and Lee, Ta J., 4,833,258, Cl. 549-292.000.
- Lee, Taikwang M.; Goodman, Joseph J.; Greenstein, Michael; and Borders, Donald B., to American Cyanamid Company. Process for producing antibiotic LL-D42067α. 4,845,037, 7-4-89, Cl. 435-252.100.
- Lee, Tak W. J. B. Belt hanger. 4,834,248, 5-30-89, Cl. 211-13.000.
- Lee, Takanobu: *See—*
  - Fujiwara, Hitoshi; Hayakawa, Shotaro; and Lee, Takanobu, 4,823,033, Cl. 310-45.000.
- Lee, Ted C. K.; and Hrinda, Michael E., to Rorer Pharmaceutical Corporation. Pharmaceutical plasma protein formulations in low ionic strength media. 4,877,608, 10-31-89, Cl. 424-85.800.
- Lee, Thomas D., to General Foods Corporation. Process for the preparation of N-L-aminodicarboxylic acid esters and new compositions used in the preparation thereof. 4,849,541, 7-18-89, Cl. 560-169.000.
- Lee, Thomas D. Y., to Rorer Pharmaceutical Corporation. Styryl tetrazoles and anti-allergic use thereof. 4,868,193, 9-19-89, Cl. 514-314.000.
- Lee, Thomas D-Y: *See—*
  - Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; Desai, Rohit; and Lee, Thomas D-Y, 4,874,769, Cl. 514-314.000.
- Lee, Thomas J.: *See—*
  - Kirkpatrick, Hugh J.; Lee, Thomas J.; and Lee, James M., 4,870,757, Cl. 30-344.000.
- Lee, Thomas Y. Internal combustion engine. 4,877,000, 10-31-89, Cl. 123-292.000.
- Lee, Tian-Quey: *See—*
  - Shyu, Jia-Ming; Chen, Inn-Ming; Lee, Tian-Quey; and Kung, Yunn-Chiang, 4,878,248, Cl. 382-9.000.
- Lee, Tien-Pei, to Bell Communications Research, Inc. Miniature integrated optical beam splitter. 4,888,785, 12-19-89, Cl. 372-50.000.
- Lee, Ting-Ann. deceased (by Lee, Yuan-Jen D., administratrix); and Calderbank, Arthur R., to American Telephone and Telegraph Company; American Telephone and Telegraph Company, AT&T Bell Laboratories; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Trellis codes with spectral nulls. 4,831,635, 5-16-89, Cl. 375-19.000.
- Lee, Tony T., to Bell Communications Research, Inc. Non-blocking copy network for multicast packet switching. 4,813,038, 3-14-89, Cl. 370-60.000.
- Lee, Tsung T.; and Starratt, Alvin N., to Canadian Patents & Development Ltd. Phenolic safeners for glyphosate herbicides. 4,808,208, 2-28-89, Cl. 71-86.000.
- Lee Valley Tools Ltd.: *See—*
  - Lee, Leonard G., 4,821,419, Cl. 30-493.000.
  - Lee, Leonard G., 4,868,995, Cl. 33-672.000.
- Lee, Victor Y.: *See—*
  - Engler, Edward M.; Lee, Victor Y.; Nazzal, Adel I.; and Parkin, Stuart S. P., 4,870,052, Cl. 505-1.000.
- Lee, Ving G.: *See—*
  - Sundeen, Joseph E.; Floyd, David; and Lee, Ving G., 4,888,424, Cl. 544-288.000.
- Lee, Ving J.; and Curran, William V., to American Cyanamid Company. Substituted 1,2,3-thia-diazole-4-thiolates. 4,803,280, 2-7-89, Cl. 548-127.000.
- Lee, Ving J.: *See—*
  - Babine, Robert; and Lee, Ving J., 4,800,199, Cl. 514-202.000.
  - Babine, Robert; Curran, William V.; and Lee, Ving J., 4,866,169, Cl. 540-226.000.
- Lee, W. David: *See—*
  - McFadden, David H.; and Lee, W. David, 4,802,459, Cl. 126-41.00R.
- Lee, Wai-Hon, to Pencom International Corporation. Integrated fiber optics transmitter/receiver device. 4,834,485, 5-30-89, Cl. 350-96.190.
- Lee, Wai M., to EKC Technology, Inc. Triamine positive photoresist stripping composition and prebaking process. 4,824,763, 4-25-89, Cl. 430-258.000.
- Lee, Wai-Won, to Laser Magnetic Storage International Company. Method and apparatus for focus and tracking in an optical disk system. 4,879,706, 11-7-89, Cl. 369-45.000.
- Lee, Wan S.: *See—*
  - Nam, Sun O.; Lee, Wan S.; and Yoo, Jae Y., 4,847,946, Cl. 16-53.000.
- Lee, Wellington S., to Halliburton Company. Method of evaluating fracturing fluid performance in subsurface fracturing operations. 4,848,461, 7-18-89, Cl. 166-250.000.

Lee, Wen-bin. Device for inproving the flavor or removing the piquante flavor of fermented products. 4,872,401, 10-10-89, Cl. 99-275.000.

Lee, Wendell; and Leon, Miguel J., to Optical Radiation Corporation. Haptic attachment for intraocular lenses. 4,863,539, 9-5-89, Cl. 156-83.000.

Lee, Wha-Joon, to American Telephone and Telegraph Company. Printed circuit board fabrication technique. 4,841,500, 6-20-89, Cl. 368-120.000.

Lee, Wha-Joon, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Printed circuit board fabrication technique. 4,866,685, 9-12-89, Cl. 368-117.000.

Lee, Wha-Joon: *See—*
  Hsue, Ching-Wen; and Lee, Wha-Joon, 4,841,240, Cl. 324-158.00P.

Lee, William A.: *See—*
  Allison, Anthony C.; Eugui, Elsie M.; Nelson, Peter H.; Gu, Chee-Liang L.; and Lee, William A., 4,868,153, Cl. 514-470.000.
  Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugui, Elsie M.; and Lee, William A., 4,808,592, Cl. 514-233.500.
  Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugui, Elsie M.; and Lee, William A., 4,861,776, Cl. 514-233.500.

Lee, William T., to Rockwell International Corporation. Heat enhancers and salt purifiers for thermal energy storage canister. 4,830,092, 5-16-89, Cl. 165-1.000.

Lee, Wilson. Portable trolley barbecue. 4,885,988, 12-12-89, Cl. 99-449.000.

Lee, Wilson D.: *See—*
  DeLorme, Dennis S.; Holm, Mark L.; Lee, Wilson D.; Passe, Peter B.; Ricard, Gary R.; Timms, George D., Jr.; and Youngren, Larry W., 4,819,156, Cl. 364-200.000.

Lee Wilson Engineering Company, Inc.: *See—*
  Singler, John E., 4,813,654, Cl. 266-262.000.

Lee, Winston K. M.; Oto, Duane H.; and Tam, Simon M., to Intel Corporation. Self-limiting erase scheme for EEPROM. 4,797,856, 1-10-89, Cl. 365-185.000.

Lee, Won-Sik, to SamSung Electronics Co., Ltd. Test pattern for use monitoring variations of critical dimensions of patterns during fabrication of semiconductor devices. 4,863,548, 9-5-89, Cl. 156-345.000.

Lee, Wooil: *See—*
  Jeon, Eijin; Lee, Wooil; Yoon, Kwangjun; and Kim, Taewook, 4,831,881, Cl. 73-768.000.

Lee, Wung K.; and Chiao, Stephen S., to Elite Semiconductor & Systems International, Inc. EPROM/flash EEPROM cell and array configuration. 4,888,734, 12-19-89, Cl. 365-185.000.

Lee, Wung K.; and Chiao, Stephen S., to Elite Semiconductor & Systems International, Inc. ROM cell and array configuration. 4,888,735, 12-19-89, Cl. 365-185.000.

Lee, Wung K.: *See—*
  Chiao, Stephen S.; and Lee, Wung K., 4,868,617, Cl. 357-23.300.

Lee, Yanien; Merritt, Carleton G.; and Dermody, Nancy E., to Borden, Inc. Method of preserving color of vegetable pasta products. 4,840,808, 6-20-89, Cl. 426-270.000.

Lee, Yee: *See—*
  Kim, Kwan Y.; Lee, Yee; and Belt, James S., 4,831,746, Cl. 34-23.000.

Lee, Yeong R. Apparatus for activating doll's limbs. 4,828,530, 5-9-89, Cl. 446-354.000.

Lee, Yeong-ruey. Motor actuating mechanism for animated figures. 4,867,730, 9-19-89, Cl. 446-353.000.

Lee, Ying-Chi: *See—*
  Matier, William L.; Woo, Chi; and Lee, Ying-Chi, 4,849,515, Cl. 536-16.500.

Lee, Yong H.: *See—*
  Bandyopadhyay, Pulak; Blaser, Dwight A.; Kaminski, Brian D.; and Lee, Yong H., 4,845,763, Cl. 382-8.000.

Lee, Yong K. Golf score counter. 4,864,592, 9-5-89, Cl. 377-5.000.

Lee, Yong N. Heat exchange device. 4,852,642, 8-1-89, Cl. 165-109.100.

Lee, Youn S., to Lee, Jang B. Electronic large current switch for a single power circuit. 4,887,198, 12-12-89, Cl. 363-18.000.

Lee, Yu, to Ton Li Enterprises Co., Ltd. Wheeled adjustment computer desk. 4,815,391, 3-28-89, Cl. 108-7.000.

Lee, Yu. Multi-purpose stand. 4,844,393, 7-4-89, Cl. 248-165.000.

Lee, Yu C.: *See—*
  Beuchel, Peter H.; and Lee, Yu C., 4,814,137, Cl. 376-429.000.

Lee, Yuan-Ho. Molding device with hand operable mold. 4,846,438, 7-11-89, Cl. 249-26.000.

Lee, Yuan-Jen D., administratrix: *See—*
  Lee, Ting-Ann, deceased; and Calderbank, Arthur R., 4,831,635, Cl. 375-19.000.

Leech, Dennis E.: *See—*
  Podbury, John A.; and Leech, Dennis E., 4,845,601, Cl. 362-125.000.

Leech, Everett A.: *See—*
  Gearin, Peter; and Leech, Everett A., 4,797,049, Cl. 414-400.000.

Leedall Products, Inc.: *See—*
  Sharkey, Richard B.; and Emerson, Robert T., 4,837,584, Cl. 346-1.100.

Leedecke, Charles J.: *See—*
  Bescup, Terrance L.; Fellows, Benjamin T.; and Leedecke, Charles J., 4,837,069, Cl. 428-148.000.

Leeder, Sydney; and Zuk, Robert F., to Syntex (U.S.A.) Inc. Single step heterogeneous assay. 4,837,395, 6-6-89, Cl. 435-7.000.

Leeds, James P.: *See—*
  Debono, Manuel; Kirst, Herbert A.; and Leeds, James P., 4,820,694, Cl. 514-30.000.

Leeds and Micallef: *See—*
  Micallef, Lewis A., 4,826,052, Cl. 222-321.000.

Leege, Richard C., to John D. Brush & Co., Inc. Reverse parison draping for blow molding. 4,846,662, 7-11-89, Cl. 425-522.000.

Leehey, Patrick, to Massachusetts Institute of Technology. Shear stress gauge. 4,879,899, 11-14-89, Cl. 73-147.000.

Leek. Thomas R. Automobile trunk organizer. 4,832,242, 5-23-89, Cl. 224-311.000.

Leeland, Steven B., to Motorola, Inc. Floating-point systolic array including serial processors. 4,872,133, 10-3-89, Cl. 364-748.000.

Leemhuis, Richard S.: *See—*
  Edwards, Thomas L.; El-Ibiary, Yehia M.; Gunda, Rajamouli; Leemhuis, Richard S.; Phillips, Fred H.; and Rode, Melvin A., 4,811,561, Cl. 60-368.000.

Leemkuil, Hendrik; and Slyh, Robert E., Jr., to Versa Corporation. Line-shaft conveyor diverter. 4,798,275, 1-17-89, Cl. 198-372.000.

Leemkuil, Hendrik; and Zilber, Eugene A., to Versa Corporation. Tilting reversible belt transfer mechanism. 4,880,099, 11-14-89, Cl. 198-371.000.

Leenheer, Adrianus: *See—*
  Morssinkhof, Gerhardus H.; Vogel, Lubbertus; and Leenheer, Adrianus, 4,798,023, Cl. 47-26.000.

Leenslag, Jan W.: *See—*
  Cassidy, Edward F.; Gillis, Herbert R.; Leenslag, Jan W.; and Parfondry, Alain, 4,866,103, Cl. 521-159.000.

Leep, James L.: *See—*
  Beeman, John A.; Solt, Floyd R.; Leep, James L.; Marvin, Wayne S.; and Smith, Troy F., 4,838,430, Cl. 206-624.000.

Leers, Dieter: *See—*
  Bachmann, Peter K.; Geittner, Peter E. E.; Leers, Dieter; and Wilson, Howard J. C., 4,802,733, Cl. 350-96.340.

Lees, Barry A.: *See—*
  Badesha, Santokh S.; Cherin, Paul; Foley, Geoffrey M. T.; Lees, Barry A.; and Wozniak, John, 4,842,973, Cl. 430-128.000.

Lees, Robert S., to New England Deaconess Hospital Corporation. Detection of vascular disease with labelled antibodies. 4,877,599, 10-31-89, Cl. 424-1.100.

Lees, Thomas: *See—*
  Berding, Josef; Bertling, Hannes; Lees, Thomas; and Pabst, Carsten, 4,878,519, Cl. 138-31.000.

Lees, Wolfgang: *See—*
  Knodel, Gunter; and Lees, Wolfgang, 4,817,773, Cl. 192-53.00F.

Leeson, Dorothy J.: *See—*
  Sablotsky, Steven; Questel, John M.; and Leeson, Dorothy J., 4,814,168, Cl. 424-78.000.

Leeson, Paul D.; and Williams, Brian J., to Merck Sharp & Dohme Limited. [3R]-3-amino-1-hydroxy pyrrolidin-2-one and its use as a neuroprotective agent. 4 863,953, 9-5-89, Cl. 514-425.000.

Leeson, Paul D.: *See—*
  Ellis, David; Emmett, John C.; Underwood, Anthony H.; and Leeson, Paul D., 4,826,876, Cl. 514-535.000.

Leest, Yvo F. H.: *See—*
  Peigneur, Paul G. L.; Leest, Yvo F. H.; and Van Beersel, Jozef F. L., 4,803,104, Cl. 428-35.100.

Leet, John E.: *See—*
  Pettit, George R.; Herald, Cherry L.; Kamano, Yoshiaki; and Leet, John E., 4,833,257, Cl. 549-267.000.

Leete, John H., II; and Skinner, William J., to TRW Inc. D-section structural tubes. 4,835,932, 6-6-89, Cl. 52-648.000.

Leete, Thomas G.: *See—*
  Matelan, M. Nicholas; Leete, Thomas G.; Zsohar, Leslie; Blanchard, Michael K.; Naeini, Abdolreza; Hsu, Jacob; and Smith, Dennis K., 4,870,704, Cl. 364-200.000.

Lefakis, Haralambos: *See—*
  Clabes, Joachim G.; Hahn, Peter O.; Ho, Paul S.; Lefakis, Haralambos; and Rubloff, Gary W., 4,886,681, Cl. 427-38.000.
  Fontana, Robert E., Jr.; Howard, James K.; Lee, James H.; and Lefakis, Haralambos, 4,879,619, Cl. 360-113.000.

Le Faou, Daniel; and Mercier, Michel, to Ste LOOK. Mounting support for a cycling shoe. 4,827,797, 5-9-89, Cl. 74-594.600.

Lefeber, Paul D., to Brunswick Corporation. Marine propulsion unit with seal between water tube and adapter plate. 4,820,214, 4-11-89, Cl. 440-88.000.

Lefebvre, Gerard A. Method and apparatus for connecting leaders to a fishing line. 4,825,585, 5-2-89, Cl. 43-27.400.

Lefebvre, Jacques; Gimenez, Philippe; Colombier, Gabriel; Golay, Armand; and Safrany, Jean S., to Aluminium Pechiney. Method for checking in a moving mode the continuity of a metal covering on a metal wire of different nature. 4,808,276, 2-28-89, Cl. 204-28.000.

Lefebvre, Jean-Claude, to ITT Composants et Instruments. Axial load resistant key switch. 4,803,321, 2-7-89, Cl. 200-517.000.

Lefebvre, Martin C.; Ciancibello, Carmine A.; and Geadah, Youssef A., to Northern Telecom Limited. Message FIFO buffer controller. 4,873,666, 10-10-89, Cl. 365-189.070.

Lefebvre, Martin C.: *See—*
  Geadah, Youssef A.; and Lefebvre, Martin C., 4,873,667, Cl. 365-189.070.

Lefebvre, Michel S. M., to Limitinstant Limited. Immobilized inorganic diffusion barriers and the use thereof in the separation of small molecular species from a solution. 4,861,486, 8-29-89, Cl. 210-644.000.

LeFebvre, Paul M.: *See—*
  Scobey, Michael A.; Seddon, Richard I.; Seeser, James W.; Austin R. Russel; LeFebvre, Paul M.; and Manley, Barry W., 4,851,095, Cl. 204-192.120.

Lefebvre, Robert: *See—*
  Allard, Pierre; Lefebvre, Robert; Vallee, Daniel; and Berton, Pierre, 4,852,348, Cl. 60-270.100.

Lefebvre, Serge G.: *See—*
  Rakhodai, Issa; Lefebvre, Serge G.; and Couderc, Pascal, 4,860,100, Cl. 358-148.000.

Lefeldt, Ekkehard, to HDW-Elektronik GmbH. Testing device for voltage testing of cables and cable sets. 4,825,171, 4-25-89, Cl. 324-544.000.

Lefeldt, Ekkehard, to HDW-Elektronik GmbH. Testing device for voltage testing of cables and cable sets. 4,866,392, 9-12-89, Cl. 324-541.000.

Lefere, Genevieve: *See—*
  Melec, Didier; You, Claudine; Lefere, Genevieve; and Peres, Claudine, 4,833,028, Cl. 428-36.100.

Le Feron de Longcamp, Guy. Manufacturing method for a non-inflatable deformable wheel. 4,858,297, 8-22-89, Cl. 29-159.00R.

Lefever, Ignace: *See—*
  Losfeld, Ronny; and Lefever, Ignace, 4,810,587, Cl. 428-549.000.

Lefevre, Daniel: *See—*
  Henri, Antoine; Lefevre, Daniel; and Massicot, Patrick, 4,803,098, Cl. 427-309.000.

Lefevre, Herve, to Thomson-C.S.F. Three-axis fiber-optic ring interferometer. 4,815,855, 3-28-89, Cl. 356-350.000.

Lefevre, Herve; and Bann, Sambath, to Thomson-CSF. Device for the connection of optic fibers to an integrated optic circuit and method for making the said device. 4,836,645, 6-6-89, Cl. 350-96.170.

Lefevre, Herve, to Thomson-CSF. Optical signal rejection filter and application of said filter to ring interferometers. 4,865,449, 9-12-89, Cl. 356-345.000.

Lefevre, Herve; and Rolly, Didier, to Thomson-CSF. Method and device for detecting propagation time variations in a ring interferometer and application thereof to wave length control. 4,871,254, 10-3-89, Cl. 356-350.000.

Lefevre, Herve; Rojas, Dominique; and Turpin, Marc, to Thomson-CSF. Optic fiber hydrophone and antenna associating a series of hydrophones. 4,882,716, 11-21-89, Cl. 367-149.000.

Lefevre, Herve: *See—*
  Arditty, Herve ; and Lefevre, Herve, 4,842,409, Cl. 356-350.000.
  Vatoux, Sylvie; Papuchon, Michel; and Lefevre, Herve, 4,880,288, Cl. 350-96.120.

Lefevre, Jean-Claude A.; and Mauboussin, Antoine T., to Case Poclain. Fluid pressure regulating valve. 4,872,472, 10-10-89, Cl. 137-116.300.

Lefevre, Jean-Paul; and Passien, Olivier, to Alcatel. Method of encoding speech signals using a multipulse excitation signal having amplitude-corrected pulses. 4,847,905, 7-11-89, Cl. 381-36.000.

Lefevre, Marcel R.; and Smith, Marven M., II, to Lefevre, Marcel R. Splash fill for heat and mass transfer apparatus and method of making a splash fill assembly. 4,803,018, 2-7-89, Cl. 261-111.000.

Lefevre, Remi; and Lagrue, Jean-Pierre, to Regie Nationale des Usines Renault. Process for correcting the richness of an air-fuel mixture admitted into an internal combustion engine with electronic injection. 4,815,435, 3-28-89, Cl. 123-489.000.

Lefevre, Rene. Process for producing miniature piezoelectric devices using laser machining and devices obtained by this process. 4,820,897, 4-11-89, Cl. 219-121.670.

Leff, Alan A.; Metcalfe, Joseph E.; Velenyi, Louis J.; and Paparizos, Christos, to Standard Oil Company, The. Process for converting light hydrocarbons and/or natural gas to liquid hydrocarbons. 4,822,940, 4-18-89, Cl. 585-415.000.

Leff, Jerry: *See—*
  Kahn, Frederic J.; Kendrick, Paul N.; Leff, Jerry; Livoni, Linden J.; Loucks, Bryan E.; Stepner, David E.; and Witte, Kenneth G., 4,818,098, Cl. 353-122.000.
  Kahn, Frederick J.; Nevis, Elizabeth A.; and Leff, Jerry, 4,799,770, Cl. 350-331.00R.

Leff, Kenneth J.: *See—*
  Galvin, Aaron A.; Mason, Douglas L.; Leff, Kenneth J.; Schide, John N.; and Giffone, Ralph A., 4,823,015, Cl. 250-564.000.
  Galvin, Aaron A.; Mason, Douglas L.; Leff, Kenneth J.; Schide, John N.; and Giffone, Ralph A., 4,827,247, Cl. 340-630.000.

Leffel, Daniel D.: *See—*
  Easter, William G.; and Leffel, Daniel D., 4,820,653, Cl. 437-62.000.
  Easter, William G.; and Leffel, Daniel D., 4,870,029, Cl. 437-78.000.

Leffel, Howard R., Jr.: *See—*
  Hardwicke, Carl S.; Leffel, Howard R., Jr.; and Spatoulas, George S., 4,825,603, Cl. 52-126.600.

Leffel, Kevin L.: *See—*
  Briscoe, James A.; Putt, James C.; Phillips, Ronald W., II; Tenison, Gary V.; and Leffel, Kevin L., 4,826,108, Cl. 244-134.00A.
  Briscoe, James A.; Putt, James C.; Phillips, Ronald W., II; and Leffel, Kevin L., 4,836,474, Cl. 244-134.00A.

Leffert, Charles B.; and Weisman, Leo H., to Leffert, Charles B. Ultrasonic instrument to measure the gas velocity and/or the solids loading in a flowing gas stream. 4,882,934, 11-28-89, Cl. 73-861 040.

Lefferts, Johannes, to Siteg Siebtechnik GmbH. Spiral link belt with composite helices. 4,796,749, 1-10-89, Cl. 198-851.000.

Leffew, Kenneth W.; and Trentacosta, Joseph D., to Du Pont de Nemours, E. I., and Company. Edge thickness control system. 4,804,556, 2-14-89, Cl. 427-9.000.

Leffew, Kenneth W.: *See—*
  Anthony, John D., Jr.; and Leffew, Kenneth W., 4,804,557, Cl. 427-9.000.
  Geary, James E., Jr.; Leffew, Kenneth W.; Schiff, David R.; and Mules, Richard D., 4,810,527, Cl. 427-54.100.

Leffingwell, Burton C.: *See—*
  Velke, David C., Sr.; Marsden, George P.; and Leffingwell, Burton C., 4,842,535, Cl. 439-232.000.
  Velke, David C., Sr.; Marsden, George P.; and Leffingwell, Burton C., 4,874,909, Cl. 174-845.000.

Leffler, Dennis F.: *See—*
  McCrackin, Hugh J.; and Leffler, Dennis F., 4,848,838, Cl. 297-391.000.

Lefkowitz, Leonard R. Regenerable filter. 4,874,407, 10-17-89, Cl. 55-213.000.

Leflet, David. Single-position signal device. 4,860,474, 8-29-89, Cl. 40-530.000.

Leflet, David. Two-position signal device. 4,885,857, 12-12-89, Cl. 40-533.000.

Le Floc'H, Christian: *See—*
  Bouteyre, Jacques; and Le Floc'H, Christian, 4,798,466, Cl. 356-347.000.

Le Fol, Marcel, to Automobiles Peugeot; and Automobiles Citroen. Hydroelastic support, in particular for the suspension of a vehicle engine. 4,856,750, 8-15-89, Cl. 248-562.000.

Lefor, Karl: *See—*
  Sporenberg, Willi; and Lefor, Karl, 4,866,967, Cl. 72-129.000.

LeFort, Gilbert; Liger, Marc; Walraet, Jean; and Boutmy, Patrick, to Societe Anonyme de Telecommunications. Multiplexing and demultiplexing method and equipments measuring transmission quality and locating operation faults on multiplexed digital channels. 4,845,711, 7-4-89, Cl. 370-102.000.

Le Foyer de Costil, Carole: *See—*
  Shroot, Braham; Le Foyer de Costil, Carole; and Ayache, Liliane, 4,853,379, Cl. 514-179.000.

Lefranc, Marc, to Aker Engineering A/S. Arrangement in a production platform. 4,848,966, 7-18-89, Cl. 405-201.000.

Lefrant, Roger O., to Manufacture de Bidons et Boites Metalliques M. Kouperman S.A. Closing cover for a metal container. 4,821,911, 4-18-89, Cl. 220-67.000.

Lefsky, Brian: *See—*
  Allison, Robert; and Lefsky, Brian, 4,888,687, Cl. 364-200.000.
  Ardini, Joseph L.; Lefsky, Brian; and Farr, Barbara J., 4,876,501, Cl. 324-73.00R.

Leftault, Charles J., Jr.; and Willis W. Coy, to Aluminum Company of America. Inwardly reformable endwall for a container. 4,836,398, 6-6-89, Cl. 220-66.000.

Lefteriou, Nicholas; Rieven, Steve; and Cohen, Charle, to Environmental Instruments, Inc. In-line dual element fluid flow probe. 4,829,819, 5-16-89, Cl. 73-204.210.

Le Gac, Jean-Yves; Devilleger, Denis; and Majewski, Philippe, to Gaz de France. A hydraulic remotely-controlled bleeder valve for a well head. 4,884,633, 12-5-89, Cl. 166-75.100.

Le Gac, Jean-Yves: *See—*
  Devilleger, Denis; and Le Gac, Jean-Yves, 4,848,401, Cl. 137-599.000.

LeGall, Didier J., to Bell Communications Research, Inc. Sub-band coding of images with low computational complexity. 4,829,378, 5-9-89, Cl. 358-160.000.

Le Gall, Louis: *See—*
  Arraudeau, Jean-Pierre; Patraud, Jeanne; and Le Gall, Louis, 4,820,510, Cl. 424-63.000.
  Arraudeau, Jean-Pierre; Patraud, Jeanne; and Le Gall, Louis, 4,871,536, Cl. 424-59.000.

Legall, Serge: *See—*
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Le Gallais, Lucien: *See—*
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  Rocher, Xavier; Faure, Bruno; and Legallais, Lucien, 4,842,445, Cl. 405-172.000.

Legare, David J. Cellular ceramic material and method of production thereof. 4,871,694, 10-3-89, Cl. 501-39.000.

LeGasse, David S.: *See—*
  Fennell, Robert B.; Fritts, David H.; and LeGasse, David S., 4,872,847, Cl. 439-133.000.

Legat, Tibor: *See—*
  Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.

Legatos, Nicholas A.; Tripp, Andrew, Jr.; and Bush, Bill R., to Preload Concrete Structures, Inc. Apparatus and method for winding a wire around a structure. 4,826,091, 5-2-89, Cl. 242-7.020.

Legault, Clayton M., to Du Pont Canada Inc. Method and apparatus for tinting yarn. 4,874,390, 10-17-89, Cl. 8-149.100.

Legave, Marie-Noelle: *See—*
  Nadler, Guy; Le Polles, Jean-Bernard; and Legave, Marie-Noelle, 4,853,391, Cl. 514-294.000.

Legenza, Michael: *See—*
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Leger, Didier S.: *See—*
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Leger, Geary L.: *See—*
  Mauritz, Karl H.; Leger, Geary L.; Wicklund, Joseph B.; Herrud, James E.; and Laney, Steven H., 4,882,700, Cl. 365-51.000.

Leger, James R.; Veldkamp, Wilfrid B.; and Scott, Miles L., to Massachusetts Institute of Technology. Coherent beam combining of lasers using microlenses and diffractive coupling. 4,813,762, 3-21-89, Cl. 350-162.160.

- Leger, Kurt J.: *See—*
  - Hutchens, Wilbur D.; Berry, Robert F.; and Leger, Kurt J., 4,846,213, Cl. 137-241.000.
- Leger, Serge: *See—*
  - Young, Robert N.; Zamboni, Robert; and Leger, Serge, 4,851,409, Cl. 514-228.200.
- Leger, Violeta Z.: *See—*
  - Blomgren, George E.; and Leger, Violeta Z., 4,808,497, Cl. 429-194.000.
- Legerius, Bengt E.; and Tjaderhane, Jan P. R., to Thorsman & Co. Aktiebolag. Cable jointing clamp. 4,883,921, 11-28-89, Cl. 174-87.000.
- Legett & Platt, Incorporated: *See—*
  - Bustos, Rafael T., 4,809,855, Cl. 211-59.200.
- Legg, John T.: *See—*
  - Fey, Donald; Legg, John T.; and Pierson, Mark V., 4,813,130, Cl. 29-845.000.
- Legg, Wesley E.: *See—*
  - Ault, Russell L.; Legg, Wesley E.; and Mott, Richard A., 4,856,243, Cl. 52-304.000.
- Legge, John R.; and Rutherford, Frank C., to United Technologies Corporation. Isostatic self-contained bond or mold tool. 4,855,011, 8-8-89, Cl. 156-583.100.
- Leggett, David J.; and Courtwright, Joel G., to Dow Chemical Company, The. Recovery of metals from solutions containing chelants. 4,846,978, 7-11-89, Cl. 210-748.000.
- Leggett, Geary M.; and Perdue, Robert W., to Leggett, Perdue & MacCarthy, Sr. Wheelchair lock device. 4,809,818, 3-7-89, Cl. 188-2.00F.
- Leggett, Henry H., to Eastern Oil Tools PTE, Ltd. Mechanical latching device operated by dead weight and tension. 4,828,023, 5-9-89, Cl. 166-72.000.
- Leggett, Henry H., to Eastern Oil Tolls Pte, Ltd. Downhole shuttle valve for wells. 4,846,272, 7-11-89, Cl. 166-126.000.
- Leggett, Henry H., to Eastern Oil Tools PTE Ltd. Mechanical latching device operated by dead weight and tension. 4,883,119, 11-28-89, Cl. 166-72.000.
- Leggett, Henry H.; and Kitney, Howard R., to Eastern Oil Tools PTE Ltd. Wireline safety mechanism for wireline tools. 4,886,115, 12-12-89, Cl. 166-77.000.
- Leggett, Perdue & MacCarthy, Sr.: *See—*
  - Leggett, Geary M.; and Perdue, Robert W., 4,809,818, Cl. 188-2.00F.
- Leggett & Platt, Incorporated: *See—*
  - Arft, Dennis E., 4,800,598, Cl. 5-13.000.
  - Bustos, Rafael T., 4,872,567, Cl. 211-59.200.
  - Crum, Michael A., 4,863,215, Cl. 297-85.000.
  - Sulzer, James H., 4,889,384, Cl. 297-302.000.
  - Swiderski, Paul R.; and Blevins, Theodore, 4,850,065, Cl. 5-13.000.
  - Wells, Thomas J., 4,862,531, Cl. 5-247.000.
  - Wells, Thomas J.; Serafini, Angelo; Hiatt, Sidney A.; and Zapletal, Henry, 4,862,532, Cl. 5-247.000.
  - Yates, Chester R., 4,853,991, Cl. 5-247.000.
- Leggs, Richard C.; and Arp, George F., to John D. Brush & Co., Inc. Draped parison blow molding. 4,828,786, 5-9-89, Cl. 264-515.000.
- Legille, Edouard; Lonardi, Emile; and Schilz, Germain, to Paul Wurth S.A. Apparatus for charging a shaft furnace. 4,820,105, 4-11-89, Cl. 414-200.000.
- Legille, Edouard; and Lonardi, Emile, to Paul Wurth S.A. Mechanism for operating a metering valve. 4,821,998, 4-18-89, Cl. 251-58.000.
- Legille, Edouard; Lonardi, Emile; and Schilz, Germain, to Paul Wurth S.A. Installation for charging a shaft furnace. 4,822,229, 4-18-89, Cl. 414-21.000.
- Legille, Edouard; and Lonardi, Emile, to Paul Wurth S.A. Apparatus for driving an oscillating spout. 4,889,008, 12-26-89, Cl. 74-520.000.
- Legler, Steve, to Tri-Steel Industries Inc. Metal wire spacer for use in the bundling of nested stacks of metal pieces. 4,830,184, 5-16-89, Cl. 206-442.000.
- Leglertex S.r.l.: *See—*
  - Ribolla, G. Carlo; Taroni, Federico; Peiretti, Domenico; and Pepino, Antonio, 4,870,727, Cl. 26-10.00C.
- Le Goff, Roger: *See—*
  - Arnout, Michel; Dufour, Eric; and Le Goff, Roger, 4,830,681, Cl. 148-9.00R.
- Le Goffic, Yves H. M.; and Tanguy, Rene, to Telecommunications Radioelectriques et Telephoniques T.R.T. System and method of adjusting the interstation delay in an information transmission system. 4,827,474, 5-2-89, Cl. 370-104.000.
- Legon, Fabrice, to Salomon S.A. Ski boot. 4,827,632, 5-9-89, Cl. 36-119.000.
- Legon, Fabrice: *See—*
  - Mabboux, Michel; De Marchi, Jean-Louis; and Legon, Fabrice, 4,875,299, Cl. 36-117.000.
- Legon, Jack. Accessory support bracket. 4,838,508, 6-13-89, Cl. 248-346.000.
- Le Gougnec, Robert: *See—*
  - Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
- Legradi, Laszlo: *See—*
  - Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
- Legrand: *See—*
  - Parlatore, Roger; Leluc, Alain; and Besse, Christian, 4,843,200, Cl. 200-553.000.
  - Sarton, Francois; and Roby, Gerard, 4,889,299, Cl. 248-72.000.
- LeGrand, Donald G.; and Olszewski, William V., to General Electric Company. Asymmetric impact resistant laminates. 4,861,666, 8-29-89, Cl. 428-412.000.
- Legrand, Franz; and De Bruycker, Patricia, to Solvay & Cie (Societe Anonyme). Process for the manufacture of a powder for ceramic materials, containing at least one metal oxide. 4,798,710, 1-17-89, Cl. 423-69.000.
- Legrand, Franz; Van den Bossche-De Bruycker, Patricia; and Lerot, Luc, to Solvay & Cie (Societe Anonyme). Process for the manufacture of a metal oxide powder for ceramic materials and zirconia powder produced by this process. 4,830,993, 5-16-89, Cl. 501-103.000.
- Legrand, Franz; and Deschrijver, Paul, to Interox (Societe Anonyme). Process for the preparation of hydroxylamines and products thereby obtained. 4,845,290, 7-4-89, Cl. 564-300.000.
- Legrand, Franz: *See—*
  - Wautier, Henri; Legrand, Franz; and Lerot, Luc, 4,853,207, Cl. 423-592.000.
- Legrand, Jean-Claude; and Gefard, Prevot, to Ferco International. Casement lock, notably of the type comprising a plurality of operating rods with resilient return means. 4,872,716, 10-10-89, Cl. 292-336.300.
- Legrand, Pierre: *See—*
  - Hays, Jean-Francois; Legrand, Pierre; Verna, Eric; Delzenne, Michel; Reynaud, Bernard; and Gaillard, Pierre, 4,855,566, Cl. 219-130.400.
- LeGrand, Yves: *See—*
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- Le Grange, Gerald A.: *See—*
  - Scheller, Andor; Le Grange, Gerald A.; and Luker, Norman E., 4,848,564, Cl. 206-83.500.
- Le Grice, Stuart: *See—*
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- Legris, Andre, to Legris S.A. Instantaneous connection device for plastic and metal material tubes. 4,810,009, 3-7-89, Cl. 285-39.000.
- Legris S.A.: *See—*
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  - Legris, Andre, 4,810,009, Cl. 285-39.000.
- Legros, Desire: *See—*
  - Art, Andree ; Jandrain, Jean-Claude; Lecourt, Jean; and Legros, Desire, 4,830,692, Cl. 156-64.000.
  - Lecourt, Jean; Legros, Desire; and Granville, Andre, 4,871,385, Cl. 65-115.000.
  - Lecourt, Jean; Legros, Desire; and Granville, Andre, 4,889,547, Cl. 65-107.000.
- Legros, Desire M.: *See—*
  - Floreancig, Eligio M.; Jandrain, Jean-Claude M.; Legros, Desire M.; and Simonon, Jean-Claude M., 4,879,933, Cl. 83-76.100.
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  - Richard, Kent J.; Courville, Bryan S.; and Legros, Shawn E. 4,830,379, Cl. 273-244.000.
- LeGrow, Gary E.: *See—*
  - Bujalski, Duane R.; LeGrow, Gary E.; Lipowitz, Jonathan; and Lim, Thomas F., 4,824,918, Cl. 525-479.000.
  - Bujalski, Duane R.; Le Grow, Gary E.; Lipowitz, Jonathan; and Lim, Thomas F., 4,889,899, Cl. 525-479.000.
- Legters, George R.: *See—*
  - Scott, John S..; and Legters, George R., 4,805,121, Cl. 364-522.000.
- Le Guet, Pierre-Loic; Lempereur, Christine; and Mathe, Jean-Michel, to Etat Francais. Electro- optical device and process for real time measurement of the motion of a mobile rigid structure under the influence of a fluid. 4,843,460, 6-27-89, Cl. 358-107.000.
- Legueu, Paul. All-wheel-drive off-highway vehicle. 4,862,987, 9-5-89, Cl. 180-233.000.
- Legvold, Vernon J.: *See—*
  - Iskiyan, James L.; Legvold, Vernon J.; Leung, Peter L. H.; and Martin, Guy E., 4,875,155, Cl. 364-200.000.
- Lehan, Warren A. Structural panel incorporating clay grog and vermiculite and method for making said panel. 4,868,039, 9-19-89, Cl. 428-241.000.
- Leheny, Robert F.: *See—*
  - Abeles, Joseph H.; Kastalsky, Alexander; and Leheny, Robert F. 4,872,744, Cl. 350-356.000.
- Lehew, Richard A.: *See—*
  - Mehta, Kunj R.; Lehew, Richard A.; Reedy, James D.; Farr David D.; and Austin, Paul E., 4,847,398, Cl. 556-445.000.
- Lehigh University: *See—*
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  - Izenour, George C., 4,890,208, Cl. 362-294.000.
  - Klier, Kamil; Herman, Richard G.; and Vedage, Gam 4,843,101, Cl. 518-713.000.
  - Montenecourt, Bland S., 4,797,361, Cl. 435-198.000.
  - Regen, Steven L., 4,808,480, Cl. 428-402.200.
- Lehle, Hubert, to Zahnradfabrik Friedrichshafen AG. Multiple-disc clutch for tractor PTO shaft. 4,807,732, 2-28-89, Cl. 192-48.500.
- Lehman, Dexter K.: *See—*
  - Wiese, Martin E.; and Lehman, Dexter K., 4,854,005, Cl. 15-320.000.
- Lehman, Gerard: *See—*
  - Bronicki, Lucien Y.; and Lehman, Gerard, 4,829,196, Cl. 290-54.000.
- Lehman, Kenneth A.: *See—*
  - Vinberg, Anders B.; Wright, Thomas J.; and Lehman, Kenneth A., 4,852,019, Cl. 364-521.000.
- Lehman, Larry L.; Shah, Sunil C.; and Varvell, David B., to Integrated Systems, Inc. Multirate real time control system code generator. 4,796,179, 1-3-89, Cl. 364-300.000.
- Lehman, Marcus S.: *See—*
  - Klein, Harold S.; and Lehman, Marcus S., 4,795,042, Cl. 211-186.000.
- Lehman, Michael. Infant carrier. 4,815,639, 3-28-89, Cl. 224-159.000.
- Lehman, Michael. Traveler's organizer bag luggage. 4,887,751, 12-19-89, Cl. 224-151.000.
- Lehman, Richard F.: *See—*
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- Lehman, Richard L.: *See—*
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- Lehman, Robert G., to Honeywell Inc. Reply rate limiting. 4,856,100, 8-8-89, Cl. 342-51.000.
- Lehman, Thomas F.: *See—*
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- Lehman, William L. Overflow water containment pedestal with high level sensor and shutoff. 4,814,752, 3-21-89, Cl. 340-616.000.
- Lehmann, Bernard, to Chanel. Leather or fabric article incorporating an attached trimming. 4,824,703, 4-25-89, Cl. 428-33.000.
- Lehmann, Donald E. Electric cow trainer. 4,805,558, 2-21-89, Cl. 119-29.000.
- Lehmann, Erhard, to Siemens Aktiengesellschaft. Semiconductor power switch with thyristor. 4,825,272, 4-25-89, Cl. 357-38.000.
- Lehmann, Ernest. Coat hanger suspending device. 4,872,568, 10-10-89, Cl. 211-113.000.
- Lehmann, Ernesto; and Thalmann, Alred, to Georg Fischer Aktiengesellschaft. Fitting of weldable thermoplastic material. 4,869,533, 9-26-89, Cl. 285-21.000.
- Lehmann, George F. High response unloading valve. 4,796,659, 1-10-89, Cl. 137-492.000.
- Lehmann, Hanno; Vennewald, Werner; and Hoffmann, Wolfram, to Westfalia Separator AG. Method of making butter. 4,820,539, 4-11-89, Cl. 426-581.000.
- Lehmann, Hans; and Zahir, Abdul-Cader, to Ciba-Geigy Corporation. (Acylthiopropyl)phenols. 4,812,538, 3-14-89, Cl. 525-505.000.
- Lehmann, Hans D.; Kretzschmar, Rolf; and Hahn, Klaus-Juergen, to BASF Aktiengesellschaft. Combination preparation. 4,798,811, 1-17-89, Cl. 514-159.000.
- Lehmann, Hans D.: *See—*
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- Lehmann, Hans-Dieter; and Kohn, Heinz-Gerhard, to Sartorius GmbH. Filter unit for separating precipitates containing cholesterol. 4,863,603, 9-5-89, Cl. 210-489.000.
- Lehmann, Helmut: *See—*
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- Lehmann, Herbert; and Kardinal, Hans J., to Siemens Aktiengesellschaft. Image recording apparatus including a ribbon cartridge with a platen and paper guide. 4,869,606, 9-26-89, Cl. 400-208.000.
- Lehmann, Jean-Philippe; and Isoardi, Patrick. Data processing device for simultaneously activating and applying paraller trains of commands to memories for storing matrices. 4,890,255, 12-26-89, Cl. 364-900.000.
- Lehmann, Joachim: *See—*
  - Ahland, Erwin; Verfuss, Franz; Beyer, Hans-Dieter; and Lehmann, Joachim, 4,833,877, Cl. 60-39.020.
- Lehmann, Jurgen, to Gesellschaft fur Biotechnologische Forschung mbH (GBF). Process and apparatus for gassing liquids. 4,870,018, 9-26-89, Cl. 435-240.100.
- Lehmann, Klaus: *See—*
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- Lehmann, Leonard T.: *See—*
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- Lehmann, Lutz: *See—*
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- Lehmann, Martin: *See—*
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- Lehmann, Michael H., to Wayne State University. Tachycardia detection for automatic implantable cardioverter/defibrillator with atrial and ventricular sensing capability. 4,860,749, 8-29-89, Cl. 128-419.0PG.
- Lehmann, Peter; and Michel, Manfred, to Hoechst Aktiengesellschaft. Light-sensitive photoconductive recording material with light sensitive covering layer for use in manufacturing printing form or printed circuit. 4,814,246, 3-21-89, Cl. 430-66.000.
- Lehmann, Peter: *See—*
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- Lehmann, Randall E.: *See—*
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- Lehmann, Reinhold; and Rusch, Hans-Joachim, to Total Walther Feuerschutz GmbH. Individual source identification. 4,833,451, 5-23-89, Cl. 340-524.000.
- Lehmann, Roger W.; and Satten, Michael I. Radio-controlled robot operator for battery-powered toys. 4,799,915, 1-24-89, Cl. 446-279.000.
- Lehmann, Roger W.; and Satten, Michael I. Child's baseball glove. 4,817,209, 4-4-89, Cl. 2-19.000.
- Lehmann, Roger W.; and Satten, Michael I. Ball tossing device. 4,865,318, 9-12-89, Cl. 273-26.00R.
- Lehmann, Rudiger: *See—*
  - Uhde, Dietmar; Gleim, Gunter; Schandl, Hartmut; Hoch, Peter; and Lehmann, Rudiger, 4,803,408, Cl. 318-254.000.
- Lehmann, Rudolf: *See—*
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  - Leinen, Hans T.; Lehmann, Rudolf; and Klueppel, Hans-Juergen, 4,795,832, Cl. 564-134.000.
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- Lehmann, Urs: *See—*
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  - Foell, Helmut; and Lehmann, Volker, 4,874,484, Cl. 204-129.300.
  - Hoferer, Richard; Klotz, Arthur; Lehmann, Volker; and Trumpfheller, Gunter, 4,881,292, Cl. 16-2.000.
- Lehmann, Walter J. Device for supporting the weight of a clarinet. 4,841,829, 6-27-89, Cl. 84-385.00A.
- Lehmann, Wolfgang; and Neukam, Christian, to Hein, Lehmann AG. Method of forming sieve unit for screening machine. 4,861,462, 8-29-89, Cl. 209-269.000.
- Lehmann, Wolfgang: *See—*
  - Otto, Alfred W.; Lehmann, Wolfgang; and Piontke, Henryk, 4,825,981, Cl. 188-218.0XL.
- Lehmkuhl, Charles: *See—*
  - Dudziak, Thaddeus J.; Lehmkuhl, Charles; and Badger, David, 4,847,569, Cl. 331-25.000.
- Lehmkuhl, Josef; Nikesch, Ulrich; and Presslein, Kurt, to Nalco Chemical Company. Method of dewatering sewage sludge particularly on recessed plate pressing equipment. 4,861,492, 8-29-89, Cl. 210-709.000.
- Lehn, Chris F., to Ecolab Inc. Chemical solution dispenser apparatus and method of using. 4,858,449, 8-22-89, Cl. 68-12.00R.
- Lehneis, Hans R. Cane supporting apparatus. 4,794,743, 1-3-89, Cl. 135-65.000.
- Lehner, Gerald J.: *See—*
  - Burke, Michael J.; Pidsosny, Richard A.; and Lehner, Gerald J., 4,803,646, Cl. 364-561.000.
- Lehner, Heinz: *See—*
  - Nelle, Friedrich; Lehner, Heinz; and Nitzsche, Klaus, 4,884,759, Cl. 242-7.140.
- Lehner, Martin: *See—*
  - Keller, Heinz; Lehner, Martin; Born, Reinhard; and Lotz, Hans-Georg, 4,798,960, Cl. 250-504.00R.
- Lehnert, Charles W.; and Randall, Brian G., to Georgia-Pacific Corporation. Fibrous mat-faced gypsum board. 4,810,569, 3-7-89, Cl. 428-285.000.
- Lehnert, Charles W.; and Fowler, George F., Jr., to Georgia-Pacific Corporation. Fire-resistant door. 4,811,538, 3-14-89, Cl. 52-455.000.
- Lehnert, Michael: *See—*
  - Eiswirth, Peter; and Lehnert, Michael, 4,847,447, Cl. 174-74.00A.
- Lehnert, Walter: *See—*
  - Zultzke, Walter; and Lehnert, Walter, 4,828,391, Cl. 356-382.000.
- Lehnhardt, Gary D.: *See—*
  - Klemm, Robert E.; and Lehnhardt, Gary D., 4,796,814, Cl. 239-430.000.
- Lehocki, Stephen C. Combination plant holder and light globe. 4,845,602, 7-4-89, Cl. 362-122.000.
- Lehoczky, Kalman N. Interpolar body for cooling salient-type rotor by ventilation. 4,840,538, 6-20-89, Cl. 416-96.00A.
- Lehoczky, Sandor L.; and Szofran, Frank R., to United States of America, National Aeronautics and Space Administration. Method of preparing radially homogenous mercury cadmium telluride crystals. 4,863,553, 9-5-89, Cl. 156-616.410.
- Lehr, Douglas J.; Bell, Merle L.; Rubbo, Richard P.; and Forehand, Richard L., to Baker Hughes Incorporated. Subterranean well casing float tool. 4,872,510, 10-10-89, Cl. 166-327.000.
- Lehr, Erich; Bechtel, Wolf-Dietrich; Boke-Kuhn, Karin; Schneider, Claus; Walther, Gerhard; and Weber, Karl-Heinz, to Boehringer Ingelheim KG. Use of 1-benzyl-aminoalkyl-pyrrolidinones as antidepressants. 4,812,453, 3-14-89, Cl. 514-255.000.
- Lehr, Erich: *See—*
  - Weber, Karl-Heinz; Walther, Gerhard; Schneider, Claus; Hinzen, Dieter; Kuhn, Franz J.; and Lehr, Erich, 4,833,140, Cl. 514-343.000.
  - Weber, Karl-Heinz; Schneider, Claus; Walther, Gerhard; Hinzen, Dieter; Kuhn, Franz J.; Lehr, Erich; Ensinger, Helmut; and Troger, Wolfgang, 4,857,528, Cl. 514-252.000.
- Lehr, Friedrich: *See—*
  - Brenneisen, Kurt; and Lehr, Friedrich, 4,820,808, Cl. 534-624.000.

- Lehr, Gary L.: *See—*
  - Harrison, John R.; Lehr, Gary L.; Parr, Dennis J.; Ward, William F., Jr.; and Wells, Robert R., 4,878,407, Cl. 83-13.000.
- Lehr, Lothar, to Rittal-Werk Rudolf Loh GmbH & Co. KG. Switching panel with desk-like casing. 4,843,519, 6-27-89, Cl. 361-356.000.
- Lehr, Lothar: *See—*
  - Debus, Jurgen; and Lehr, Lothar, 4,878,777, Cl. 403-205.000.
- Lehr, Marvin H.; and Standish, John V., to B.F. Goodrich Company, The. Pigmented vinyl chloride polymer or blend thereof having improved mechanical properties. 4,820,750, 4-11-89, Cl. 523-213.000.
- Lehr, Marvin H., to B. F. Goodrich Company, The. Method and composition for improved melt processability of chlorinated polyvinyl chloride. 4,847,331, 7-11-89, Cl. 525-227.000.
- Lehr, Marvin H., to B. F. Goodrich Company, The. Method of treating the surface of polymers with a cuprous compound to form a copper sulfide composite structure. 4,863,635, 9-5-89, Cl. 252-518.000.
- Lehr, Marvin H.; and Nicholas, Paul P., to B. F. Goodrich Company, The. Chlorinated polyvinyl chloride blends having low melt viscosities. 4,868,247, 9-19-89, Cl. 525-239.000.
- Lehrman, Sandra N.: *See—*
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,538, Cl. 424-436.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,750, Cl. 514-50.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,828,838, Cl. 424-451.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,833,130, Cl. 514-50.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,837,208, Cl. 514-50.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,847,244, Cl. 514-50.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,857,511, Cl. 514-50.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,874,609, Cl. 424-85.400.
- Lehtihet, Hbbulhalin E.: *See—*
  - Salaita, George N.; Quarles, Carol A.; Altman, Joseph C.; and Lehtihet, Hbbulhalin E., 4,853,537, Cl. 250-253.000.
- Lehto, John M., to Northern States Power Company. Flue gas scrubber system. 4,853,195, 8-1-89, Cl. 423-242.000.
- Lehto, John M., to Northern States Power Company. Flue gas scrubber system with chloride removal. 4,861,558, 8-29-89, Cl. 422-106.000.
- Lehtonen, Reijo: *See—*
  - Hakala, Timo; and Lehtonen, Reijo, 4,888,825, Cl. 2-8.000.
- Le Huede, Elisabeth: *See—*
  - Martani, Rosa; Le Huede, Elisabeth; and Dumas, Jeanne, 4,834,965, Cl. 424-488.000.
- Lehureau, Jean C.: *See—*
  - Meunier, Paul L.; Huijer, Ernst; Razeghi, Manijeh; and Lehureau, Jean C., 4,827,218, Cl. 324-252.000.
- Lehwald, Sieghart: *See—*
  - Ibach, Harald; Bruchmann, Heinz-Dieter; and Lehwald, Sieghart, 4,845,361, Cl. 250-305.000.
- Leib, Kenneth G.; and Jue, Suey L., deceased (by Jue, Catherine, executrix), to Grumman Aerospace Corporation. One piece frame for holding a holographic element in a holographic system. 4,802,718, 2-7-89, Cl. 350-3.600.
- Leiber, Hans-Jurgen; Meyer, Jean-Philippe; and Kummer, Christian F., to Kummer Freres SA Fabrique de Machines. Ball turner for turning lathes. 4,887,500, 12-19-89, Cl. 82-12.000.
- Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, to Daimler-Benz Aktiengesellschaft. Installation for the forward drive regulation in motor vehicles. 4,796,717, 1-10-89, Cl. 180-197.000.
- Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, to Daimler-Benz Aktiengesellschaft. Arrangement for controlling at least one magnitude influencing the driving torque of an internal combustion engine of a motor vehicle. 4,804,058, 2-14-89, Cl 180-197.000
- Leiber, Heinz, to Daimler-Benz Aktiengesellschaft. Control for the automatic locking of the transfer transmission of a motor vehicle. 4,809,807, 3-7-89, Cl. 180-197.000.
- Leiber, Heinz, to Robert Bosch GmbH. Control system for vehicle regulation. 4,813,448, 3-21-89, Cl. 137-487.500.
- Leiber, Heinz, to Daimler-Benz Aktiengesellschaft. Arrangement for automatically shifting vehicle aggregates of a motor vehicle. 4,821,606, 4-18-89, Cl. 74-866.000.
- Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, to Daimler-Benz Aktiengesellschaft. Hydraulic dual-circuit braking system. 4,824,185, 4-25-89, Cl. 303-110.000.
- Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, to Daimler-Benz Aktiengesellschaft. Hydraulic dual-circuit brake system. 4,824,186, 4-25-89, Cl. 303-110.000.
- Leiber, Heinz, to Robert Bosch GmbH. Vehicle brake system having an anti-skid apparatus. 4,840,434, 6-20-89, Cl. 303-113.000.
- Leiber, Heinz; and Ohnemuller, Hans-Joachim, to Daimler-Benz Aktiengesellschaft. Method for monitoring the operations of an electromechanical control system that ensures the adhesion of wheels of a motor vehicle. 4,841,446, 6-20-89, Cl. 364-426.020.
- Leiber, Heinz, to Robert Bosch GmbH. Hydraulic brake booster with parallel booster pistons. 4,843,819, 7-4-89, Cl. 60-550.000.
- Leiber, Heinz; and Resch, Reinhard, to Daimler-Benz Aktiengesellschaft. Antilocking system for a road vehicle. 4,846,534, 7-11-89, Cl. 303-115.000.
- Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, to Daimler-Benz Aktiengesellschaft. Motor vehicle propulsion control when accelerating from a stationary position. 4,850,446, 7-25-89, Cl. 180-197.000.
- Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, to Daimler-Benz Aktiengesellschaft. System for controlling at least one variable influencing the drive torque of an internal combustion engine of a motor vehicle. 4,856,610, 8-15-89, Cl. 180-197.000.
- Leiber, Heinz, to Daimler-Benz Aktiengesellschaft. Hydraulic brake booster arrangement with parallel master cylinders and common housing for pivotable rocker. 4,875,338, 10-24-89, Cl. 60-550.000.
- Leiber, Heinz; and Resch, Reinhard, to Daimler-Benz Aktiengesellschaft. Antilocking system for a road vehicle. 4,877,296, 10-31-89, Cl. 303-115.000.
- Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, to Daimler Benz AG. Device for controlling the drive torque of a motor vehicle. 4,886,140, 12-12-89, Cl. 180-197.000.
- Leiber, Heinz: *See—*
  - Jonner, Wolf-Dieter; Leiber, Heinz; and Roller, Dieter, 4,852,009, Cl. 364-426.020.
- Leibetseder, Ferdinand; and Bottcher, Kurt. Process and apparatus for packaging stacks which consist of nested cuplike objects and have the basic shape of elongate cylinders. 4,805,379, 2-21-89, Cl. 53-444.000.
- Leibfred, Kevin J., to Nabisco Brands, Inc. Continuous production of shelf-stable multi-textured shredded cereal biscuits having a paste filling. 4,795,647, 1-3-89, Cl. 426-94.000
- Leibhard, Erich: *See—*
  - Bisping, Heinz; Leibhard, Erich; and Mauthe, Peter. 4,840,524, Cl. 411-82.000.
- Leibovich, Gregory. Variable transformer, reactor and method of their control. 4,837,497, 6-6-89, Cl. 323-345.000.
- Leibovich, Samuel J.; Polverini, Peter J.; and Shepard, H. Michael, to Northwestern University; and Genentech, Inc. Method and compositions for modulating neovascularization. 4,808,402, 2-28-89, Cl. 424-423.000.
- Leibowitz, Joseph D., to TRW Inc. High-frequency multilayer printed circuit board. 4,812,792, 3-14-89, Cl. 333-238.000.
- Leibowitz, Joseph D., to TRW Inc. Multilayer printed circuit board for ceramic chip carriers. 4,814.945, 3-21-89, Cl. 361-414.000.
- Leibowitz, Joseph D., to TRW Inc. Method of making multilayer printed circuit board. 4,875,282, 10-24-89, Cl. 29-830.000.
- Leibowitz, Martin N. Modular transportation system with aerodynamic lift augmented traction vehicles. 4,841,871, 6-27-89, Cl. 104-23.100.
- Leibowitz, Paul J., to Schering Corporation. Interferon combinations. 4,806,347, 2-21-89, Cl. 424-85.500.
- Leichle, Roland G.; and Lecrivain, Jean-Paul. Door bath tube for the handicapped. 4,802,247, 2-7-89, Cl. 4-556.000.
- Leichner, Peter K.: *See—*
  - Yang, Nai-Chuen; and Leichner, Peter K., 4,856,528, Cl. 128-653.000.
- Leicht, John L.; and Leitheiser, Jeffrey D., to Motorola Inc. Circuit location sensor for component placement apparatus. 4,876,656, 10-24-89, Cl. 364-491.000.
- Leicht, Werner: *See—*
  - Heberle, Hansjorg; and Leicht, Werner, 4,869,211, Cl. 123-41.350.
- Leichter, Hans: *See—*
  - Hoffmann, Peter; Buschmann, Gerhard; Leichter, Hans; and Welp, Ewald G., 4,817,883, Cl. 242-66.000.
- Leichter, Henry S.: *See—*
  - Bonewicz, Theodore J., Jr.; and Leichter, Henry S., 4,887,837, Cl. 280-654.000.
- Leichter, Louis M.: *See—*
  - Brown, David E.; and Leichter, Louis M., 4,853,310, Cl. 430-83.000.
- Leichtung Inc.: *See—*
  - Gibson, Jeremy H., 4,884,926, Cl. 408-115.00R.
- Leichum, Axel: *See—*
  - Seeger, Helmut; Leichum, Axel; and Maher, Anthony, 4,853,957, Cl. 379-279.000.
- Leidel, David A., to Aeration Engineering Resources. Composite diffuser assembly. 4,865,778, 9-12-89, Cl. 261-122.000.
- Leidich, Arthur J., to Harris Semiconductor Patents, Inc. CMOS voltage divider circuits. 4,847,518, 7-11-89, Cl. 307-296.100.
- Leiding, Tommy S. L. Locking apparatus. 4,817,402, 4-4-89, Cl. 70-58.000.
- Leidinger, Gustav; Proll, Gunther; and Kolb, Walter, to O & K Orenstein & Koppel Aktiengesellschaft. Grader blade having a pressurized float position. 4,852,660, 8-1-89, Cl. 172-795.000.
- Leidner, Jacob, to Ontario Research Foundation. Method of manufacturing plastic particles for a particle display. 4,810,431, 3-7-89, Cl. 264-15.000.
- Leier, Wolfgang: *See—*
  - Bachmann, Paul; Berges, Hanns-Peter; and Leier, Wolfgang, 4,886,599, Cl. 210-287.000.
- Leifeld, Ferdinand; and Selker, Hermann G., to Trutzschler GmbH & Co. KG. Textile fiber tuft cleaning apparatus. 4,797,976, 1-17-89, Cl. 19-200.000.
- Leifeld, Ferdinand; and Hosel, Fritz, to Trutzschler GmbH & Co. KG. Apparatus for detecting foreign bodies in a mass of textile fibers. 4,805,266, 2-21-89, Cl. 19-0.200.
- Leifeld, Ferdinand, to Trotzschler GmbH & Co. KG. Device for separating impurities from fiber material during its treatment by a card. 4,805,267, 2-21-89, Cl. 19-105.000.
- Leifeld, Ferdinand, to Trutzschler GmbH & Co. KG. Separating knife assembly for a carding machine or the like. 4,805,268, 2-21-89, Cl. 19-105.000.
- Leifeld, Ferdinand, to Trutzschler GmbH & Co. KG. Fiber tuft feeder for a textile processing machine. 4,811,463, 3-14-89, Cl. 19-105.000.

- Leifeld, Ferdinand; and Nohr, Franz J., to Trutzschler GmbH & Co. KG. Lap leveler for a textile fiber processing machine. 4,817,247, 4-4-89, Cl. 19-105.000.
- Leifeld, Ferdinand, to Trutzschler GmbH & Co. KG. Apparatus for detecting foreign bodies in a fiber tuft mass. 4,839,943, 6-20-89, Cl. 19-80.00R.
- Leifheit, Eric S. Fixed fingering device for fretted stringed musical instrument. 4,798,119, 1-17-89, Cl. 84-314.00R.
- Leifsen, J. Arthur, Jr., to Grumman Aerospace Corporation. Fastener air brush. 4,841,904, 6-27-89, Cl. 118-50.000.
- Leigh, Charles, to General Components, Inc. Metal gasket having conical and radial sealing surfaces and method of using the gasket with a tubular element. 4,854,597, 8-8-89, Cl. 277-1.000.
- Leigh, Gary G.; and Schwab, James F., to Cincinnati Milacron Inc. Cutting tool having positioning means. 4,807,501, 2-28-89, Cl. 82-31.000.
- Leigh, James P.; and Roethel, Henry G., to Meyer Company, The. Dispenser valve and method of forming the same. 4,881,669, 11-21-89, Cl. 222-505.000.
- Leigh, James P.: *See—*
  - Roethel, Henry G.; and Leigh, James P., 4,887,742, Cl. 222-153.000.
- Leigh-Monstevens, Keith V.; Tury, Edward L.; Branum, Leslie F.; and Thoe, Gregg A., to Ap Aero, Inc. Electric shift apparatus for manual transmission. 4,817,468, 4-4-89, Cl. 74-335.000.
- Leigh-Monstevens, Keith V. Piston and cylinder assembly. 4,821,627, 4-18-89, Cl. 92-107.000.
- Leigh-Monstevens, Keith V., to Automotive Products, plc. Four point seal. 4,827,834, 5-9-89, Cl. 92-108.000.
- Leigh-Monstevens, Keith V.; Branum, Leslie P.; and Barker, David C., to Automotive Products plc. Piston assembly. 4,831,916, 5-23-89, Cl. 92-129.000.
- Leigh-Monstevens, Keith V.; Tury, Edward L.; Peterson, David C.; and Vanderpoorte, John G. Electric shift apparatus. 4,841,793, 6-27-89, Cl. 74-335.000.
- Leigh-Monstevens, Keith V., to Automotive Products plc. Manual override for relief of pulsator circuit with reservoir ball valve. 4,852,352, 8-1-89, Cl. 60-585.000.
- Leigh-Monstevens, Keith V.; and Branum, Leslie P., to Automotive Products plc. Center-feed master cylinder with retainer for valve stem. 4,856,282, 8-15-89, Cl. 60-589.000.
- Leigh-Monstevens, Keith V.; and Mabee, Brian D., to Automotive Products plc. Electric clutch actuator. 4,865,173, 9-12-89, Cl. 192-0.02R.
- Leigh-Monstevens, Keith V., to Automotive Products, plc. Double-acting master-slave cylinder system with volume compensating conduit. 4,866,937, 9-19-89, Cl. 60-572.000.
- Leigh-Monstevens, Keith V.; and Nix, Richard A., to Automotive Products plc. Hydraulic master cylinder switch. 4,878,041, 10-31-89, Cl. 340-479.000.
- Leigh-Monstevens, Keith V.: *See—*
  - Mabee, Brian D.; and Leigh-Monstevens, Keith V., 4,831,985, Cl. 123-399.000.
  - Mabee, Brian D.; and Leigh-Monstevens, Keith V., 4,883,037, Cl. 123-399.000.
  - Peterson, David C.; Leigh-Monstevens, Keith V.; Vanderpoorte, John G.; and Mabee, Brian D., 4,843,901, Cl. 74-335.000.
- Leigh, Thomas H.: *See—*
  - Schwarz, Richard A.; Leigh, Thomas H.; and Leatherman, Dennis D., 4,833,172, Cl. 521-62.000.
- Leight, Charles: *See—*
  - Leight, Howard S.; Leight, Charles; and Leight, Frederic A., 4,819,624, Cl. 128-866.000
- Leight, Frederic A.: *See—*
  - Leight, Howard S.; Leight, Charles; and Leight, Frederic A., 4,819,624, Cl. 128-866.000.
- Leight, Howard S.; Leight, Charles; and Leight, Frederic A. Banded earplug. 4,819,624, 4-11-89, Cl. 128-866.000.
- Leighton, Frank T.; and Micali, Silvio. Method and system for personal identification. 4,879,747, 11-7-89, Cl. 380-23.000.
- Leighton, Harry J.: *See—*
  - Daluge, Susan M.; and Leighton, Harry J., 4,879,296, Cl. 514-263.000.
  - Lever, O. William, Jr.; and Leighton, Harry J., 4,871,865, Cl. 549-354.000.
- Leighton, Milton D., to Exxon Research and Engineering Company. Removal of volatile acids from NMP solvent vapors with sacrificial metal and ion exchange. 4,831,160, 5-16-89, Cl. 548-555.000.
- Leighton, Robert L., to United Technologies Corporation. Laser hold drilling system with lens and two wedge prisms including axial displacement of at least one prism. 4,822,974, 4-18-89, Cl. 219-121.670.
- Leighton, Sam R.; and Bell, Gregory B., to Orbital Engine Company Proprietary Limited. Engines. 4,844,040, 7-4-89, Cl. 123-306.000.
- Leighton, Stephen B.; and Tenney, John A. Magnetic personal turning monitor. 4,839,809, 6-13-89, Cl. 364-413.020.
- Leijenhorst, Jan: *See—*
  - Hartman, Hendrikus G.; Labrie, Cornelis; Leijenhorst, Jan; and Rietveld, Adrianus, 4,848,937, Cl. 384-480.000.
- Leiman, Basil C.; Butler, Bruce D.; Katz, Jeffrey; and Salzarulo, Henry H., to Board of Regents, The University of Texas System. Device for the determination of proper endotracheal tube placement. 4,879,999, 11-14-89, Cl. 128-207.140.
- Leimbach, Frank: *See—*
  - Schneider, Gerd; Boost, Franz-Wilhelm; and Leimbach, Frank, 4,818,705, Cl. 436-164.000.
- Lein, Geore M., Jr.: *See—*
  - Hsu, Adam C. T.; and Lein, Geore M., Jr., 4,861,896, Cl. 548-213.000.
- Lein, Juergen; Brookshire, Michael; Powers, Robert; and Hotelling, Joel, to Itek Graphix Corp. Automatic vacuum feed and hold down assembly for camera system. 4,814,832, 3-21-89, Cl. 355-73.000.
- Leinen, Chris M., to Topworks, Inc. Electric and pneumatic feedback controlled positioner. 4,819,543, 4-11-89, Cl. 91-363.00R.
- Leinen, Hans T.; Lehmann, Rudolf; and Klueppel, Hans-Juergen, to Henkel Kommanditgesellschaft auf Aktien. Salicylic acid amides, their use, and a process for their production. 4,795,832, 1-3-89, Cl. 564-134.000.
- Leiner, Kenneth L.: *See—*
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- Leinert, Herbert, to Boehringer Mannheim GmbH. Process for the preparation of optically-active carbazole derivatives. 4,824,963, 4-25-89, Cl. 548-444 000.
- Leinert, Herbert: *See—*
  - Bohm, Erwin; Holck, Jens-Peter; Kampe, Wolfgang; Leinert, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,880,805, Cl. 514-237.500.
- Leineweber, Michael: *See—*
  - Engels, Joachim; Leineweber, Michael; Uhlmann, Eugen; and Ulmer, Wolfgang, 4,832,959, Cl. 424-85.500.
- Leinhaas, Werner, to E. Bruderer Maschinenfabrik AG. Articulated-lever cutting and forming press. 4,850,272, 7-25-89, Cl. 100-286.000.
- Leinhaas, Werner: *See—*
  - Scheitza, Andrea, 4,876,878, Cl. 72-450.000.
- Leininger, David E.; and Leininger, Robert L. Security system for loading doors. 4,866,963, 9-19-89, Cl. 70-278.000.
- Leininger, Donald L., to Dover Corporation. Fluid dispensing nozzle construction having vapor check valve means therein and methods of making the same. 4,825,914, 5-2-89, Cl. 141-59.000.
- Leininger, Ernest; Blum, Leonard; and Ponte, Gary W., to Reliable Automatic Sprinkler Co., Inc., The. Adjustable concealed sprinkler. 4,880,063, 11-14-89, Cl. 169-37.000.
- Leininger, Hartmut: *See—*
  - Ernst, Hansgeorg; Leininger, Hartmut; and Paust, Joachim, 4,806,686, Cl. 564-398.000.
- Leininger, Jurgen: *See—*
  - Lachmann, Karl-Heinz; Sundermeyer, Peter; Schreier, Johann; Reindler, Albrecht; and Leininger, Jurgen, 4,883,239, Cl. 244-3.150.
- Leininger, Robert L.: *See—*
  - Leininger, David E.; and Leininger, Robert L., 4,866,963, Cl. 70-278.000.
- Leininger, Steven, to Tandy Corporation. Memory address decoding system. 4,821,182, 4-11-89, Cl. 364-900.000.
- Leinoff, David; and Puglisi, Louis. Clothing lock. 4,823,569, 4-25-89, Cl. 70-59.000.
- Leinum, Virgil D.: *See—*
  - Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; Leinum, Virgil D.; and Niemi, Thomas J., 4,834,401, Cl. 280-833.000.
- Leipert, Emil, to Telefunken electronic GmbH. Television tuner for three different frequency ranges. 4,823,099, 4-18-89, Cl. 334-15.000.
- Leipnitz, Michael: *See—*
  - Otzipka, Willi; Koltermann, Horst; Leipnitz, Michael; and Zeuge, Gunter, 4,802,081, Cl. 369-136.000.
- Leipold, Ludwid: *See—*
  - Fellinger, Christine; Einzinger, Josef; Leipold, Ludwid; Tihanyi, Jenoe; and Weber, Roland, 4,801,824, Cl. 307-558.000.
- Leipold, Ludwig; Sander, Rainald; Tihanyi, Jenoe; and Weber, Roland, to Siemens Aktiengesellschaft. Circuit configuration for monitoring a semiconductor structural element and providing a signal when the temperature exceeds a predetermined level. 4,875,131, 10-17-89, Cl. 361-103.000.
- Leiponen, Matti O.; Erlamo, Seppo J.; Kujanpaa, Pentti K.; and Ylimaki, Olli E., to Outokumpu Oy. Method and apparatus for stripping electrolytic precipitate from supporting structures. 4,806,213, 2-21-89, Cl. 204-12.000.
- Leir, Charles M.; Hoffman, Jerome J.; and Stark, John E., to Minnesota Mining and Manufacturing Company. Method of making purely primary diamines from nitrogen containing nocleophile and terminally electrophilically active polyether. 4,833,213, 5-23-89, Cl. 525-410.000.
- Leis, Michael; and Gustafson, Roy, to Digital Equipment Corporation. Automatic gain control system. 4,849,711, 7-18-89, Cl. 330-279.000.
- Leis, Rudolf. Composite panel. 4,855,177, 8-8-89, Cl. 428-247.000.
- Leisch, Lee J. Vacuum operated circuit breaker. 4,855,546, 8-8-89, Cl. 200-144.00B.
- Leise, Walter F.; and Johnsen, Kenneth A., to E.R. Squibb & Sons, Inc. Bayonet coupling for ostomy device. 4,820,285, 4-11-89, Cl. 604-339.000.
- Leishear, Robert A.: *See—*
  - Scott, William T.; and Leishear, Robert A., 4,886,463, Cl. 439-89.000.
- Leishman, Layne S. Apparatus and method for disposing of contaminated needles. 4,848,569, 7-18-89, Cl. 206-365.000.
- Leishman, Lorie: *See—*
  - O'Brien, Michael; Leishman, Lorie; and O'Brien, Christine A., 4,887,326, Cl. 5-421.000.
- Leising, Frederic, to Rhone-Poulenc Specialites Chimiques. Stable amphoteric aqueous dispersions of synthetic polymers. 4,857,585, 8-15-89, Cl. 524-815.000.

Leising, Maurice B.; Benford, Howard L.; and Holbrook, Gerald L., to Chrysler Motors Corporation. Electronically-controlled, adaptive automatic transmission system. 4,875,391, 10-24-89, Cl. 74-866.000.

Leising, Maurice B.; and Kuusik, Uno, to Chrysler Motors Corporation. Vent reservoir in a fluid system of an automatic transmission system. 4,887,512, 12-19-89, Cl. 91-471.000.

Leising, Maurice B.: *See*—
- Holbrook, Gerald L.; and Leising, Maurice B., 4,887,491, Cl. 74-866.000.

Leising, Walter F.; and Amato, Michael, to Xerox Corporation. Paper temperature measurement fuser control. 4,822,977, 4-18-89, Cl. 219-216.000.

Leismer, Dwayne D.; and Blizzard, William A., Jr., to Camco, Incorporated. Dual hydraulic safety valve. 4,838,355, 6-13-89, Cl. 166-375.000.

Leisner, Ernst: *See*—
- Clauss, Heinz; Drexel, Peter; Gosdowski, Gerhard; Kettner, Andreas; Leisner, Ernst; and Schwarze, Udo, 4,831,290, Cl. 310-12.000.
- Drexel, Peter; Erne, Hans, Gosdowski, Gerhard; Gross, Karl; Kirsten, Ulrich; and Leisner, Ernst, 4,880,265, Cl. 294-86.400.

Leiss, Richard S.: *See*—
- Hartman, Warren E.; Leiss, Richard S.; and Updegraff, Robert S., 4,818,558, Cl. 426-634.000.

Leist, Clayton E., II: *See*—
- Lane, William E., Jr.; Leist, Clayton E., II; and Busch, Bradley L., 4,882,928, Cl. 73-19.000.

Leistenschneider, Raimund; Neuffer, Klaus; and Frey, Egon, to Daimler-Benz Aktiengesellschaft. Direction indicator and hazard warning device for motor vehicles. 4,821,018, 4-11-89, Cl. 340-471.000.

Leistner, Jack W.: *See*—
- McBain, Robert M.; Becze, Garry J.; Kruppert, Friedrich W.; and Leistner, Jack W., 4,803,037, Cl. 266-78.000.

Leisure, Ronald K.: *See*—
- Yoder, Douglas J.; Brown, Ronald E.; Stevenson, Paul E.; Hornback, Donald L.; and Leisure, Ronald K., 4,885,621, Cl. 357-26.000.

LeisureTech Sports Corp.: *See*—
- Hauff, Brian L., 4,838,558, Cl. 273-395.000.

Leitch, Alan. Optical-fibre smoke detection/analysis system. 4,839,527, 6-13-89, Cl. 250-573.000.

Leitch, Clifford D., to Motorola, Inc. Method and apparatus for quadrature modulation. 4,816,783, 3-28-89, Cl. 332-41.000.

Leiter, Herbert, to Ernst Leitz Wetzlar GmbH. Process and device for the introduction, visualization and/or recording of a variable metering spot into a ray path of a camera for optical instruments. 4,814,814, 3-21-89, Cl. 354-432.000.

Leiter, Herbert; Koch, Herbert; Hund, Andreas; and Reinheimer, Guenter, to Ernst Leitz Wetzlar GmbH. Process and device for photographing microscopic objects. 4,837,595, 6-6-89, Cl. 354-412.000.

Leiter, Herbert; Brodalla, Dieter; Wennemann, Harald; Jost, Frantisek; and Buhl, Andreas, to Henkel Kommanditgesellschaft auf Aktien. Liquid, phosphate-free single phase degreasing compositions. 4,844,744, 7-4-89, Cl. 134-40.000.

Leiter, Herbert: *See*—
- Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.

Leith, Edwin L., III: *See*—
- Leith, Marijana T.; and Leith, Edwin L., III, 4,869,078, Cl. 63-13.000.

Leith, John R.: *See*—
- Munden, Alan J.; and Leith, John R., 4,817,963, Cl. 277-1.000.

Leith, Marijana T.; and Leith, Edwin L., III. Earring holder. 4,869,078, 9-26-89, Cl. 63-13.000.

Leithaeuser, Horst; Reese, Dirk; and Trautmann, Walter, to Huels Aktiengesellschaft. Process for the preparation of low viscosity aqueous dispersion of glycerol esters of long-chain fatty acids, and their use. 4,853,038, 8-1-89, Cl. 106-243.000.

Leitheiser, Jeffrey D.: *See*—
- Leicht, John L.; and Leitheiser, Jeffrey D., 4,876,656, Cl. 364-491.000.

Leitich, Albert J.: *See*—
- Levine, Stephen N.; and Leitich, Albert J., 4,876,740, Cl. 455-33.000.

Leitis, Eriks: *See*—
- Zeff, Jack D.; and Leitis, Eriks, 4,849,114, Cl. 210-747.000.

Leitko, Curtis E.: *See*—
- McDonald, William J.; Wasson, Michael R.; Leitko, Curtis E.; Pittard, Gerard T.; and Maurer, William C., 4,880,065, Cl. 175-71.000.

Leitko, Curtis E., Jr.; Wasson, Michael R.; Lee, Douglas W.; and Stangl, Gerald A., to Gas Research Institute. Earth boring apparatus and method with control valve. 4,834,193, 5-30-89, Cl. 175-19.000.

Leitner, Lutz: *See*—
- Schick, Peter; Jonas, Friedrich; and Leitner, Lutz, 4,853,289, Cl. 428-408.000.

Leitner, S.p.A.: *See*—
- Pabst, Otto, 4,840,088, Cl. 74-661.000.

Leitold, Matyas; and Stoss, Peter, to Heinrich Mack Nachf. Oxime ethers of 2,6-dioxabicyclo(3.3.0)octanones, and compositions and methods for treatment of a cardiac disease or circulatory with them. 4,883,796, 11-28-89, Cl. 514-253.000.

Leitz, Edgar: *See*—
- Wittmann, Dieter; Kress, Hans-Jurgen; Bottenbruch, Ludwig; Leitz, Edgar; and Peters, Horst, 4,882,381, Cl. 525-63.000.

Leitz, Hermann; and Moser, Herbert, to Borg-Warner Automotive, Inc. Roller cage for overrunning clutches. 4,819,776, 4-11-89, Cl. 192-45.000.

Leitz, Hermann; Krayer, Erich; and Kohler, Rudolf, to Borg-Warner Automotive GmbH. Spray clutch with a double cage. 4,875,564, 10-24-89, Cl. 192-45.100.

Leitz, Richard E. A.; and Pusateri, Donald J., to Nutrilite Products, Inc. Balanced fiber composition. 4,877,627, 10-31-89, Cl. 426-285.000.

Leja, Andrzej: *See*—
- Schlosser, Erich J.; and Leja, Andrzej, 4,860,724, Cl. 126-38.000.

Lejcek, Franz, to Goerz Electro Gesellschaft m.b.H. Register tape transport device. 4,860,031, 8-22-89, Cl. 346-136.000.

Lejeune, Bernard E.; and Lejeune, Philippe G., to Teradyne, Inc. Curved electrical components and laser trimming thereof. 4,795,881, 1-3-89, Cl. 219-121.690.

Le Jeune, Claude, to Centre National de la Recherche Scientifique. Source of ions of the triode type with a single high frequency exitation ionization chamber and magnetic confinement of the multipole type. 4,873,445, 10-10-89, Cl. 250-432.00R.

Lejeune, Philippe: *See*—
- Colson, Charles A.; Lejeune, Philippe; Walon, Corinne; and Willemot, Karine, 4,806,426, Cl. 435-252.310.

Lejeune, Philippe G.: *See*—
- Lejeune, Bernard E.; and Lejeune, Philippe G., 4,795,881, Cl. 219-121.690.

Lejnar, Emil A. Aspiration chemical supply apparatus and method. 4,883,086, 11-28-89, Cl. 137-399.000.

Lejondahl, Lars-Erik; Karlsson, Bjorn G.; and Bjork, Curt. Thermally insulated container. 4,862,674, 9-5-89, Cl. 53-432.000.

LeJus, Anne-Marie: *See*—
- Calvat, Claude; Colle, Laurent; Couchaud, Maurice; LeJus, Anne-Marie; Moncorge, Richard; Vivien, Daniel; and Wyon, Christophe, 4,853,354, Cl. 501-119.000.

Lejus Medical Aktiebolag: *See*—
- Appelgren, Curt H.; Eskilsson, Eva C.; and Uvdal, Jonas P., 4,840,799, Cl. 424-493.000.
- Appelgren, Curt H.; and Eskilsson, Eva C., 4,888,179, Cl. 424-480.000.

LEK: *See*—
- Zizek, Teofil, 4,855,439, Cl. 548-342.000.

Le-Khac, Bi, to Arco Chemical Technology, Inc. Ultrahigh water-absorbing fiber forming composition. 4,813,945, 3-21-89, Cl. 604-367.000.

Le Khac, Bi, to Arco Chemical Technology, Inc. Extended shelf life water-absorbing composition which facilitates fiber formation. 4,880,868, 11-14-89, Cl. 524-549.000.

Lekhno, Alexandr M.: *See*—
- Golovko, Viktor A.; Valts, Semen P.; Lekhno, Alexandr M.; Tetior, Alexandr N.; and Barykin, Boris J., 4,796,398, Cl. 52-169.200.

Lekholm, Anders, to Siemens Aktiengesellschaft. Body activity controlled heart pacer. 4,817,606, 4-4-89, Cl. 128-419.0PG.

Lekholm, Anders; Fahlstroem, Ulf; and Groothoff, Hermann, to Siemens Aktiengesellschaft. Implantable multi-pole coaxial lead. 4,840,186, 6-20-89, Cl. 128-784.000.

Lekholm, Anders; Sall, Gosta; Wecke, Liliane; and Hognelid, Kurt, to Siemens Aktiengesellschaft. Implantable heart pacemaker with a sensor for inertial and/or rotational movements of the user. 4,869,251, 9-26-89, Cl. 128-419.0PG.

Lekhtman, David. Cross-country ski climbing device. 4,844,501, 7-4-89, Cl. 280-605.000.

Lekron, Charles E., to Litwin Engineers & Constructors, Inc. Process plant instrumentation design system. 4,862,345, 8-29-89, Cl. 364-188.000.

Leksell, David: *See*—
- Kasner, William H.; Kun, Zoltan K.; Leksell, David; and Toth, Vincent A., 4,885,448, Cl. 219-121.690.

Leland, Frank, to Mobil Oil Corporation. Method for removing low-frequency noise from records with data impulse. 4,885,722, 12-5-89, Cl. 367-25.000.

Leland, Gregory. Ridge planter guide unit. 4,883,126, 11-28-89, Cl. 172-26.000.

Leland, John E.; and Martinovich, Robert J., to Phillips Petroleum Company. Zinc titanate in poly (arylene sulfide) compositions. 4,798,863, 1-17-89, Cl. 524-413.000.

Leland, John E.: *See*—
- Martinovich, Robert J.; and Leland, John E., 4,888,227, Cl. 428-76.000.

Leland Stanford Junior University, The Board of Trustees of the: *See*—
- Basu, Santanu; and Byer, Robert L., 4,890,289, Cl. 372-33.000.
- Bates, Clayton W., Jr., 4,816,183, Cl. 252-501.100.
- Boudart, Michel; Oyama, Shigeo T.; and Volpe, Leo, 4,851,206, Cl. 423-409.000.
- Buneman, Oscar, 4,878,187, Cl. 364-721.000.
- Choi, Dennis W., 4,806,543, Cl. 514-464.000.
- Conolly, Steven M., 4,868,501, Cl. 324-309.000.
- Desurvire, Emmanuel; Digonnet, Michel J. F.; and Shaw, H. J., 4,815,804, Cl. 350-96.150.
- Evans, David M. W., 4,823,297, Cl. 364-725.000.
- Fejer, Martin M.; and Byer, Robert L., 4,880,297, Cl. 350-355.000.
- Goodwin, David A.; Meares, Claude; and McCall, Michael, 4,863,713, Cl. 424-1.100.

- Harris, Stephen E.; Young, James F.; and Normandin, Richard J., 4,802,183, Cl. 372-57.000.
- Howe, Robert D.; and Kychakoff, George, 4,865,443, Cl. 356-4.000.
- Kim, Byoung Y.; Sorin, Wayne V.; and Shaw, Herbert J., 4,828,350, Cl. 350-96.150.
- Kim, Byoung Y.; Shaw, Herbert J.; Engan, Helege E.; and Blake, James N., 4,832,437, Cl. 350-96.150.
- Kim, Byoung Y.; and Shaw, Herbert J., 4,836,676, Cl. 356-350.000.
- Kim, Byoung Y.; Carrara, Sidney L. A.; and Shaw, Herbert J., 4,881,817, Cl. 356-350.000.
- Kino, Gordon S.; and Corle, Timothy R., 4,861,975, Cl. 250-201.000.
- Levy, Ronald; Dilley, Jeanette; Maloney, David G.; and Miller, Richard A., 4,816,249, Cl. 424-85.800.
- Mathews, Max V., 4,860,625, Cl. 84-1.160.
- Maurice, David, 4,842,401, Cl. 351-221.000.
- Moslehi, Mehrdad M.; and Saraswat, Krishna C., 4,888,087, Cl. 156-643.000.
- Pirrung, Michael C.; and McGeehan, Gerald M., 4,851,035, Cl. 71-113.000.
- Reynolds, Scott K.; Vook, Dietrich W.; and Gibbons, James F., 4,879,259, Cl. 437-247.000.
- Rink, William P.; and Kino, Gordon S., 4,872,738, Cl. 350-96.290.
- Shaw, Herbert J.; Youngquist, Robert C.; and Brooks, Janet L., 4,801,189, Cl. 350-96.150.
- Shaw, Herbert J.; and Digonnet, Michel J. F., 4,859,015, Cl. 350-96.150.
- Sher, Mark H.; Macklin, John J.; and Harris, Stephen E., 4,870,653, Cl. 372-76.000.
- Stocker, Bruce A. D., 4,837,151, Cl. 435-172.300.
- Stryer, Lubert; Glazer, Alexander N.; and Oi, Vernon T., 4,859,582, Cl. 435-5.000.
- Vreman, Hendrik J.; and Stevenson, David K., 4,831,024, Cl. 514-185.000.
- Walker, J. T.; Larsen, R. S.; and Shapiro, S. L., 4,811,285, Cl. 365-45.000.
- Widrow, Bernard, 4,858,130, Cl. 364-421.000.
- Zdeblick, Mark, 4,821,997, Cl. 251-11.000.

Lelandais, Guy, to Schlumberger Industries. Rotary electric coupling device for a rotating head recorder. 4,870,522, 9-26-89, Cl. 360-108.000.

Le Lande, Walter C., Jr. Fire suppression system. 4,836,290, 6-6-89, Cl. 169-46.000.

Le Lann, Gerard; and Rolin, Pierre, to INRIA-Institut National de Recherche en Informatique et en Automatique. Process and device for the transmission of messages between different stations through a location distribution network. 4,847,835, 7-11-89, Cl. 370-85.000.

Lelay, Jean-Pierre: *See*—
- Sud, Emmanuel; Lelay, Jean-Pierre; and Encaoua, Serge, 4,811,061, Cl. 356-152.000.

Lele, Padmakar P.; and Sleefe, Gerard E., to Massachusetts Institute of Technology. Ultrasonic tissue characterization. 4,855,911, 8-8-89, Cl. 364-413.250.

Leleu, Jean-Bernard; and LeMay, Patrick, to Roquette Freres. Method and installation for the crystallization of gluconodeltalactone. 4,877,889, 10-31-89, Cl. 549-292.000.

Leleve, Joel, to Cibie Projecteurs. Headlamp washing device for a motor vehicle headlamp. 4,865,059, 9-12-89, Cl. 134-56.00R.

Lelko, Dawn M.: *See*—
- Mackanic, James C.; Lelko, Dawn M.; Shugart, Steven A.; and Koch, James K., 4,881,906, Cl. 439-83.000.

Lellouche, Isaac M. Method and device for transferring signals between modules of an electronic unit. 4,885,569, 12-5-89, Cl. 340-826.000.

Lelong, Pierre H.: *See*—
- Jatteau, Michel R.; Lelong, Pierre H.; Pauzat, Vincent; and Plard, Christian, 4,881,171, Cl. 364-413.240.

Leluc, Alain: *See*—
- Parlatore, Roger; Leluc, Alain; and Besse, Christian, 4,843,200, Cl. 200-553.000.

Le Luel, Yves: *See*—
- Lechon, Alain; and Le Luel, Yves, 4,799,816, Cl. 403-2.000.

Leluschko, Georg; Michler, Willi; and Koy, Hermann, to Metallgesellschaft Aktiengesellschaft. Self supporting-corona-discharge electrode. 4,848,986, 7-18-89, Cl. 55-152.000.

Lem, Kwok W.: *See*—
- Schmitt, George J.; Prevorsek, Dusan C.; Chin, Hong B.; and Lem, Kwok W., 4,845,162, Cl. 525-423.000.

Lem, Steven. Telephone VCR control. 4,841,562, 6-20-89, Cl. 379-104.000.

Lemaire, Denis. Pocket-knife having a handle provided with a slidable blade. 4,823,463, 4-25-89, Cl. 30-162.000.

Lemaire, Denis J. Wedge lock for pocket knife blade. 4,858,320, 8-22-89, Cl. 30-162.000.

Lemaire, Didier; and Dronet, Jean-Marc, to E. P. Remy & Cie. Device for gripping and holding back articles, such as for example containers, on a conveyor, and conveyor equipped with this device. 4,823,934, 4-25-89, Cl. 198-470.100.

Lemaire, Didier; and Dronet, Jean-Marc, to E. P. Remy & Cie. Apparatus for automatically eliminating a group of articles to be treated of which at least one is missing or defective. 4,852,745, 8-1-89, Cl. 209-588.000.

Lemaire, Didier; and Dronet, Jean-Marc, to E.P. Remy & Cie. Machine for the automatic packaging of containers. 4,860,519, 8-29-89, Cl. 53-167.000.

Lemaire, Paul J.; MacChesney, John B.; and Simpson, Jay R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Article comprising silica-based glass containing aluminum and phosphorus. 4,830,463, 5-16-89, Cl. 350-96.340.

Lemak, Thomas A.; Osborne, Robert L.; and Twerdochlib, Michael, to Westinghouse Electric Corp. Brush bounce detection in active shaft ground system. 4,851,949, 7-25-89, Cl. 361-23.000.

Lemanczyk, R.: *See*—
- Vercaemer, Claude; Lemanczyk, R.; and Piot, Bernard, 4,842,068, Cl. 166-269.000.

Lemanis, Eduard: *See*—
- Donenfeld, Henry; and Lemanis, Eduard, 4,863,483, Cl. 8-496.000.

Le Marchand, Alain; and Bailly, Daniel, to Ateliers Reunis Caddie. Shopping trolley provided with a pivoting basket. 4,850,604, 7-25-89, Cl. 280-33.996.

Lemarquand, Guy: *See*—
- Glaize, Christian; and Lemarquand, Guy, 4,870,358, Cl. 324-208.000.

Lemarquand, Pierre: *See*—
- Cohen, Jacques; Lemarquand, Pierre; and Pichard, Christian, 4,855,698, Cl. 335-14.000.

Le Marrec, Claude; Kramer, Carl; and Kuster, Hans-Werner, to Saint-Gobain Vitrage. Apparatus for distribution of gas-entrained powders. 4,808,043, 2-28-89, Cl. 406-181.000.

Le Martret, Odile: *See*—
- Clemence, Francois; Fortin, Michel; Le Martret, Odile; and Delevallee, Francoise, 4,816,465, Cl. 514-314.000.
- Clemence, Francois; Le Martret, Odile; and Delevallee, Francoise, 4,845,105, Cl. 514-312.000.
- Clemence, Francois; Le Martret, Odile; Delevallee, Francoise; and Fortin, Michel, 4,877,796, Cl. 514-311.000.
- Clemence, Francois; Le Martret, Odile; Fortin, Michel; and Delevallee, Francoise, 4,888,355, Cl. 514-429.000.

Le Masson, Patrick: *See*—
- Blanpain, Roland; Le Masson, Patrick; and Vidal, Jean-Charles, 4,885,536, Cl. 324-207.000.

LeMaster, David A., to Ohio Tool Systems, Inc. Fluid mixing unit. 4,813,786, 3-21-89, Cl. 366-251.000.

Lemaster, Milton R.; and Kemp, Norman H., to AirSystems Inc. Apparatus and method for oscillating the form rollers in a printing press. 4,887,533, 12-19-89, Cl. 101-492.000.

Lemaster, Milton R.: *See*—
- Day, James R.; and Lemaster, Milton R., 4,809,606, Cl. 101-148.000.

Lemaster, Richard L.; and Dornfeld, David A., to University of California, The Regents of the. Method and apparatus for determining vertical density profiles in wood composites, using acoustic emission. 4,831,880, 5-23-89, Cl. 73-587.000.

Lemaster, Richard L.; and Dornfeld, David A., to University of California, Regents of the. Method and apparatus for measurement of density profiles in wood composites, using acoustic emission. 4,854,172, 8-8-89, Cl. 73-587.000.

LeMaut, Francois: *See*—
- Bigo, Firmin; and LeMaut, Francois, 4,823,339, Cl. 370-32.100.

LeMay, Christopher A. G.: *See*—
- Best, John E.; LeMay, Christopher A. G.; Hounsfield, Godfrey N.; and Froggatt, Robert J., 4,843,618, Cl. 378-4.000.

LeMay, Patrick: *See*—
- Leleu, Jean-Bernard; and LeMay, Patrick, 4,877,889, Cl. 549-292.000.

Lemay, Richard A.; and Wallace, David A., to Hutton/PRC Technology Partners I; and Honeywell Bull Inc. Memory failure detection apparatus. 4,809,276, 2-28-89, Cl. 371-38.000.

Lemay, Richard A.; Woods, William E.; and Tague, Steven A., to Honeywell Information Systems Inc.; and Hutton/PRC Technology Partners I. Address boundary detector. 4,837,738, 6-6-89, Cl. 364-900.000.

Lemay, Richard A.: *See*—
- Smith, Michael D.; and Lemay, Richard A., 4,872,110, Cl. 364-200.000.
- Woods, William E.; and Lemay, Richard A., 4,811,266, Cl. 364-736.500.

Lembcke, Horst: *See*—
- Wolf, Wolfram; Reissman, Klaus; and Lembcke, Horst, 4,807,739, Cl. 198-415.000.

Lembcke, Jefferey J.: *See*—
- Carmody, Michael A.; and Lembcke, Jefferey J., 4,796,705, Cl. 166-323.000.

Lembcke, Jeffrey J., to Baker Hughes Incorporated. Electrically actuated safety valve for a subterranean well. 4,796,708, 1-10-89, Cl. 166-386.000.

Lembcke, Jeffrey J.; and Shaw, Brian, to Baker Hughes Incorporated. Well tool stabilizer and method. 4,811,792, 3-14-89, Cl. 166-381.000.

Lembeck, Theo, to W. Schlafhorst & Co. Friction spinning apparatus. 4,815,268, 3-28-89, Cl. 57-401.000.

Lembens, Helmut: *See*—
- Geyer, Oswald; Lembens, Helmut; and Stoyhe, Helmut, 4,840,367, Cl. 271-160.000.

Lemberger, Ronald F.: *See*—
- Ditzler, Lee C.; Lemberger, Ronald F.; and Slezak, Cynthia L., 4,877,588, Cl. 422-186.190.

Lembke, Andreas; Deininger, Rolf; and Lembke, Jurgen, to Chimicasa GmbH. Method of preparing food and composition for protecting microorganisms used in the preparation of food. 4,834,987, 5-30-89, Cl. 426-9.000.

Lembke, John R., to United States of America, Energy. Piezoelectric film load cell robot collision detector. 4,821,584, 4-18-89, Cl. 73-862.680.

- Lembke, Jurgen: *See—*
  - Lembke, Andreas; Deininger, Rolf; and Lembke, Jurgen, 4,834,987, Cl. 426-9.000.
- Lemburg, John R.: *See—*
  - Campbell, John G., Schoeneberger, Carl F.; Bundens, Allan B.; Fogle, Richard M.; and Lemburg, John R., 4,862,268, Cl. 358-141.000.
- Lemche, Josef, to Siemens Aktiengesellschaft. Method and apparatus for the assembly of picture screen devices. 4,820,224, 4-11-89, Cl. 445-23.000.
- Lemco Energy, Inc.: *See—*
  - Whitworth, Robert D., 4,818,250, Cl. 44-62.000.
- Lemelson, Jerome H. Electro-optical instruments and methods for producing same. 4,803,992, 2-14-89, Cl. 128-634.000.
- Lemelson, Jerome H. Portable television camera and recording unit. 4,819,101, 4-4-89, Cl. 360-10.100.
- Lemelson, Jerome H. Surface shaping and finishing apparatus and method. 4,831,230, 5-16-89, Cl. 219-121.120.
- Lemelson, Jerome H. Beam apparatus and method. 4,853,514, 8-1-89, Cl. 219-121.120.
- Lemelson, Jerome H. Speech communication system and method. 4,856,066, 8-8-89, Cl. 381-36.000.
- Lemelson, Jerome H. Face mask and method. 4,856,509, 8-15-89, Cl. 128-206.190.
- Lemelson, Jerome H. Methods of forming synthetic diamond coatings on particles using microwaves. 4,859,493, 8-22-89, Cl. 427-45.100.
- Lemelson, Jerome H. Production of crystalline structures. 4,874,596, 10-17-89, Cl. 423-446.000.
- LeMer, Joseph, to Chaffoteaux Et Maury. Gas burners. 4,887,963, 12-19-89, Cl. 431-354.000.
- Lemforder Metallwaren AG: *See—*
  - Buhl, Reinhard, 4,883,263, Cl. 267-293.000.
  - Jordens, Ernst-Gunter; and Sprute, Johannes, 4,805,884, Cl. 267-140.100.
  - Jordens, Ernst-Gunter; and Sprute, Johannes, 4,834,348, Cl. 267-140.100.
  - Nolte, Frank, 4,796,481, Cl. 74-493.000.
- Lemieux, Andre; and Charland, Gabriel. Universal golf club separator. 4,860,889, 8-29-89, Cl. 206-315.600.
- Lemieux, George E., to Ford Motor Company. Variable force solenoid pressure control for an automatic transmission. 4,833,946, 5-30-89, Cl. 74-868.000.
- Lemieux, Michael J., to American Eagle Fire Apparatus Co., Inc. Common grooved and slotted structural members for a truck body. 4,852,937, 8-1-89, Cl. 296-183.000.
- Lemieux, Raymond U.; Ratcliffe, Robert M.; and Baker, Donald A., to Chembiomed Ltd. Method to detect T-antigen delayed hypersensitivity. 4,855,126, 8-8-89, Cl. 424-9.000.
- Lemieux, Raymond U.; Ratcliffe, Robert M.; and Baker, Donald A., to Chembiomed, Ltd. Synthesis of tumor antigenic determinant. 4,866,041, 9-12-89, Cl. 514-23.000.
- Lemirande, Rodger P.; and Amtmann, James S., to Stanley Automatic Openers. Gate operator with persistant, audible warning signal. 4,796,011, 1-3-89, Cl. 340-545.000.
- Lemirande, Rodger P., to Stanley Automatic Openers. Obstruction detection in automatic portal control apparatus employing induction motor power factor. 4,855,653, 8-8-89, Cl. 318-282.000.
- Lemire, Antoine-Noel; Lemire, Christian; and Lemire, Paul. Excavating blade assembly. 4,805,322, 2-21-89, Cl. 37-118.00R.
- Lemire, Christian: *See—*
  - Lemire, Antoine-Noel; Lemire, Christian; and Lemire, Paul, 4,805,322, Cl. 37-118.00R.
- Lemire, Gilbert; and Deslippe, Anastase. Decorative module having a concave face. 4,806,403, 2-21-89, Cl. 428-34.100.
- Lemire, Paul: *See—*
  - Lemire, Antoine-Noel; Lemire, Christian; and Lemire, Paul, 4,805,322, Cl. 37-118.00R.
- Lemke, James U.: *See—*
  - Berlekamp, Elwyn R.; Bixby, James A.; and Lemke, James U., 4,803,566, Cl. 360-26.000.
- Lemke, Manfred: *See—*
  - Adams, Jurgen; and Lemke, Manfred, 4,835,373, Cl. 235-451.000.
- Lemke, Stuart H. Fastener assembly. 4,834,600, 5-30-89, Cl. 411-55.000.
- Lemke, Timothy A., to Du Pont de Nemours, E. I., and Company. Cable having a corrugated septum. 4,800,236, 1-24-89, Cl. 174-36.000.
- Lemke, Timothy A., to Du Pont de Nemours, E. I., and Company. Terminator and corresponding receptacle for multiple electrical conductors. 4,824,383, 4-25-89, Cl. 439-108.000.
- Lemke, Timothy A., to Du Pont de Nemours, E. I., and Company. Cable connector having a resilient cover. 4,887,977, 12-19-89, Cl. 439-497.000.
- Lemkin, Jack L.; Peterson, Carl A.; and Zilber, Eugene A., to O.M. Scott & Sons Company, The. Stake and coupler for irrigation device. 4,850,555, 7-25-89, Cl. 248-87.000.
- Lemle, Eugene W. Recumbent bicycle. 4,878,684, 11-7-89, Cl. 280-288.100.
- Lemley, James D. Telephone sanitation device. 4,819,264, 4-4-89, Cl. 379-452.000.
- Lemme, Charles D.; and Furrer, Fredrick J. Adjustable shock absorber and system. 4,838,394, 6-13-89, Cl. 188-299.000.
- Lemme, Werner: *See—*
  - Krause, Horst-Herbert; and Lemme, Werner, 4,834,046, Cl. 123-364.000.
- Lemmen, Arie W. Arrow sling device, and methods of constructing and utilizing same. 4,873,963, 10-17-89, Cl. 124-20.00B.
- Lemmerz-werke KGaA: *See—*
  - Fuchs, Willi; and Kermelk, Werner, 4,883,324, Cl. 301-9.0TV.
- Lemmons, Norvel. Mineral fines separation machine. 4,826,018, 5-2-89, Cl. 209-433.000.
- Le Moal, Yannick H. V. Template for cutting tiles and the like. 4,827,625, 5-9-89, Cl. 33-527.000.
- LeMoine, Eric D.: *See—*
  - Vodian, Morton A.; Bean, Eric S.; and LeMoine, Eric D., 4,853,325, Cl. 435-5.000.
- Lemoine, Francois; and Rathouit, Rene , to Alsthom. Mechanical connector. 4,854,777, 8-8-89, Cl. 405-202.000.
- Lemoine, Guy; Lucas, Robert; and Soria, Meyer, to Rhone-Poulenc Chimie; and Compagnie de Raffinage et de Distribution Total France. EPDM and/or EPR rubber/silicone compositions. 4,808,643, 2-28-89, Cl. 524-87.000.
- LeMoine, Joseph L., to Stewart & Stevenson Services, Inc. Blowout preventer booster and method. 4,864,914, 9-12-89, Cl. 91-29.000.
- Lemoine, Mary E. Vertical holder for perforated paper toweling or other material. 4,848,690, 7-18-89, Cl. 242-55.540.
- Lemon, Gary K.: *See—*
  - Amelio, William J.; Czarnecki, Kenneth R.; Lemon, Gary K.; Markovich, Voya; Sambucetti, Carlos J.; and Zarr, Richard S., 4,820,643, Cl. 436-37.000.
- Lemon, John, to U.S. Sound, Inc. Method for large-scale multiple source sound reinforcement. 4,862,508, 8-29-89, Cl. 381-156.000.
- Lemon, John: *See—*
  - Henricksen, Clifford; and Lemon, John, 4,811,403, Cl. 381-87.000.
- Lemon, Peter H. R. B.; and Towey, Michael, to Borden, Inc. Process for the manufacture of frictional elements and frictional elements produced thereby. 4,831,067, 5-16-89, Cl. 523-156.000.
- Lemone, Louis A.: *See—*
  - Gershenson, Edward; Lemone, Louis A.; and Lippitt, Mark C., 4,825,403, Cl. 364-900.000.
- Lemongelli, Ralph J.; and Redman, David T. Trash container with disposable bags. 4,850,507, 7-25-89, Cl. 220-407.000.
- Lemons, Thomas M.; and Spink, Kenneth M., to Qualite Sports Lighting, Inc. Outdoor lighting system. 4,864,476, 9-5-89, Cl. 362-348.000.
- Le Mouel, Bernard: *See—*
  - Jaffre, Pierre; Le Mouel, Bernard; Robin, Jean-Francois; and Thepaut, Pierre, 4,805,190, Cl. 375-17.000.
- Lemp, Mark D., to Colt Industries, Inc. Manifold for distributing a fluid and method for making same. 4,836,246, 6-6-89, Cl. 137-561.00A.
- Lemper, Herbert. Modular continuous slab casters and the like. 4,799,535, 1-24-89, Cl. 164-416.000.
- Lempereur, Christine: *See—*
  - Le Guet, Pierre-Loic; Lempereur, Christine; and Mathe, Jean-Michel, 4,843,460, Cl. 358-107.000.
- Lempicki, Alexander, to Boston University. Solid state molecular laser. 4,797,889, 1-10-89, Cl. 372-39.000.
- Lempio, Paul S. Swimming pool skimmer. 4,820,411, 4-11-89, Cl. 210-169.000.
- Lems, Peter, to Illinois Tool Works Inc. Unitized package. 4,828,110, 5-9-89, Cl. 206-427.000.
- Lems, Peter; and Slomski, Edward J., to Illinois Tool Works Inc. Method of making a film encased package. 4,841,711, 6-27-89, Cl. 53-398.000.
- Lems, Peter; Ausnit, Steven; Nocek, Robert S.; and Scanlon, Thomas, to Minigrip, Inc. Zipper bag filling machine and method. 4,848,064, 7-18-89, Cl. 53-459.000.
- Lemstra, Pieter J.: *See—*
  - Bastiaansen, Cornelis W. M.; Lemstra, Pieter J.; and Van Unen, Lambert H. T., 4,888,141, Cl. 264-22.000.
  - Schellekens, Ronald M. A. M.; Rutten, Hendrikus J. J.; and Lemstra, Pieter J., 4,810,450, Cl. 264-185.000.
- Lenaers, Albert: *See—*
  - Bovy, Philippe R.; Gillet, Claude; Lenaers, Albert; Niebes, Paul; Roba, Joseph; and Lambelin, Georges, 4,853,401, Cl. 514-389.000.
- Lenaertz, Pierre J., to Societe Anonyme des Ateliers Houget Duesberg Bosson. Process and apparatus for automatically changing drums which are to receive wicks delivered by textile machines. 4,852,210, 8-1-89, Cl. 19-159.00A.
- Lenahan, Dean T.: *See—*
  - Giffin, Rollin G., III; and Lenahan, Dean T., 4,809,498, Cl. 60-39.162.
  - Maclin, Harvey M.; Lenahan, Dean T.; and Tuley, Eugene N., 4,807,433, Cl. 60-39.290.
  - Reigel, James R.; Corsmeier, Robert J.; Bertke, James H.; and Lenahan, Dean T., 4,882,902, Cl. 60-39.750.
- Lenard, Peter: *See—*
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- Le Navenec, Regis: *See—*
  - Prevot, Julien; Chabani, Kamel; Courgeon, Michel; Duquenoy, Denis; Duquenoy, Roger; and Le Navenec, Regis, 4,868,971, Cl. 29-602.100.
- Lenchin, Julianne M.: *See—*
  - D'Amico, Louie R.; Waring, Susan E.; and Lenchin, Julianne M., 4,842,874, Cl. 426-94.000.
- Lenck, Lucien C. Method and apparatus for artificial fertilization. 4,832,681, 5-23-89, Cl. 600-34.000.
- Lencki, Robert W. J.; Neufeld, Ronald J.; and Spinney, Trevor. Method of producing microspheres. 4,822,534, 4-18-89, Cl. 264-4.300.
- Lendaro, Jeffery B., to RCA Licensing Corporation. Cathode ray tube degaussing control circuit. 4,829,214, 5-9-89, Cl. 315-8.000.

- Lendaro, Jeffery B., to RCA Licensing Corp. Television synchronizing arrangement. 4,855,828, 8-8-89, Cl. 358-148.000.
- Lendaro, Jeffery B., to RCA Licensing Corporation. Power supply for a television apparatus. 4,868,466, 9-19-89, Cl. 315-411.000.
- Lendaro, Jeffery B.: *See—*
  - Doty, James H., II; and Lendaro, Jeffery B., 4,797,771, Cl. 361-88.000.
- Lenden, David G. B. Latch for a hook setting mechanism for fishing rods. 4,852,289, 8-1-89, Cl. 43-15.000.
- Lender, Robert J., to EDO Corporation. Slotless and toothless wound stators. 4,818,905, 4-4-89, Cl. 310-42.000.
- Lenderink, Trent A. Toy capable of flight. 4,844,304, 7-4-89, Cl. 273-428.000.
- Lenders, Henricus J. P., to U.S. Philips Corporation. Punching or stamping machine. 4,805,440, 2-21-89, Cl. 72-455.000.
- Lendle, Hubert; Panitz, Paul; Seyfert, Wilfried; and Stops, Peter, to BASF Aktiengesellschaft. Recovery of pyridine or methylpyridines or mixtures thereof from methyl butanedicarboxylate containing reaction mixtures. 4,810,798, 3-7-89, Cl. 546-353.000.
- Lendvai, Laszlo: *See—*
  - Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
- Leneave, William H. Door lock. 4,876,867, 10-31-89, Cl. 70-428.000.
- Lener, Lawrence I., to Lenox Incorporated. Hanger clamp with inclined frame. 4,852,845, 8-1-89, Cl. 248-316.100.
- Lener, Ralph J.: *See—*
  - Wyckoff, Charles R.; Lener, Ralph J.; and Samuelson, William L., 4,821,358, Cl. 15-104.920.
- Lenet, Leski. Tire snow belt. 4,848,430, 7-18-89, Cl. 152-221.000.
- Leneveu, Louis: *See—*
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- Leneveu, Michel R. Golf training apparatus. 4,880,239, 11-14-89, Cl. 273-181.00F.
- Leng, Barry S.: *See—*
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  - Carmen, Raleigh A.; Chong, Chiyong; and Leng, Barry S., 4,855,063, Cl. 210-749.000.
- Leng, Christine A.: *See—*
  - Leng, Francis J.; and Leng, Christine A., 4,880,569, Cl. 252-550.000.
- Leng, Francis J.; and Leng, Christine A., to Lever Brothers Company. Concentrated liquid detergent composition containing anionic surfactants having non-terminal sulfonate groups. 4,880,569, 11-14-89, Cl. 252-550.000.
- Lengacher, Eli. Vertically adjustable chair support. 4,867,406, 9-19-89, Cl. 248-409.000.
- Lengefeld, Wendell L., to International Business Machines Corporation. Computer controlled material handling. 4,837,704, 6-6-89, Cl. 364-478.000.
- Lengel, James D., to Allied-Signal Inc. Compact oil slinger and spring loaded retention device. 4,810,126, 3-7-89, Cl. 403-322.000.
- Lengemann, Robert A.; Thompson, Gregory J.; Vickers, Anthony G.; and Mott, Raymond W., to UOP Inc. Method for reducing the temperature in a regeneration zone of a fluid catalytic cracking process. 4,859,313, 8-22-89, Cl. 208-113.000.
- Lengen, Wilhelm; Oberfranz, Rudolf; and Puritz, Wolfgang, to Messerschmitt-Bolkow-Blohm GmbH. Robot system for forming a structural component of a preimpreganted fiber reinforced tape. 4,882,007, 11-21-89, Cl. 156-523.000.
- Lenger, Sidney A., to Pilliod Cabinet Company, The. Expandable headboard for beds. 4,856,127, 8-15-89, Cl. 5-53.00R.
- Lengers, Hans L., to U.S. Textiles Corporation. Padded general purpose mitten and method of fabricating same. 4,797,967, 1-17-89, Cl. 15-227.000.
- Lengsfeld, Wolfgang: *See—*
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- Lengyel, Gyula: *See—*
  - Szucs, Laszlo; Szabo, Istvan; Papp, Istvan; Csaszni, Jozsef; Lengyel, Gyula; Resch, Pal; Sigmond, Emod; and Kardos, Peter, 4,813,237, Cl. 60-670.000.
- Lengyel, Mikloane : *See—*
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- Lenhard, Robert H.: *See—*
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- Lenhardt, Karl; and Bogner, Uwe, to Lenhardt Maschinenbau GmbH. Apparatus for manufacturing a spacer frame for insulating glass. 4,803,764, 2-14-89, Cl. 29-33.00K.
- Lenhardt, Karl, to Lenhardt Maschinenbau GmbH. Apparatus for a slipless conveyance of discrete articles. 4,804,081, 2-14-89, Cl. 198-689.100.
- Lenhardt, Karl, to Saint-Gobain Vitrage. Preparation of a plastic for its extrusion particularly in the form of a gaged bead intended to be used as a seal and interlayer in multiple glazings. 4,824,355, 4-25-89, Cl. 425-378.100.
- Lenhardt, Karl, to Lenhardt Maschinenbau GmbH. Process for sealing space between panes of insulating glass and tool therefor. 4,826,547, 5-2-89, Cl. 156-109.000.
- Lenhardt, Karl; and Weinbrecht, Manfred, to Lenhardt Maschinenbau GmbH; and Weinbrecht, Manfred. Process and apparatus for closing one end of a tubular bar. 4,866,832, 9-19-89, Cl. 29-428.000.
- Lenhardt Maschinenbau GmbH: *See—*
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  - Lenhardt, Karl, 4,804,081, Cl. 198-689.100.
  - Lenhardt, Karl, 4,826,547, Cl. 156-109.000.
  - Lenhardt, Karl; and Weinbrecht, Manfred, 4,866,832, Cl. 29-428.000.
- Lenhart, Armin; and Hub, Karl-Rupprecht, to Siemens Aktiengesellschaft. Disc-shaped carrier body for a recording medium and method for manufacturing same. 4,803,106, 2-7-89, Cl. 428-64.000.
- Lenhart, Armin, to Siemens Akteingesellschaft. Recording medium that can be magnetized vertically and method for manufacturing same. 4,816,311, 3-28-89, Cl. 428-64.000.
- Lenhart, Armin: *See—*
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- Leningradskoe Proizvodstvennoe Electromashinostroitelnoe Obiedinenie Electrosila: *See—*
  - Khutoretsky, Garri M.; Fridman, Vladimir M.; Zagorodnaya, Galina A.; Maximov, Leonid V.; and Tjurin, Jury G., 4,820,945, Cl. 310-52.000.
  - Khutoretsky, Garri M.; Tjurin, Jury G.; and Yakovlev, Viktor S., 4,864,171, Cl. 310-52.000.
- Leningradskoe Proizvodstvennoe Electromashinostroitelnoe Obiedinenie Electrosila Imeni S.M. Kirova: *See—*
  - Khutoretsky, Garri M.; Tjurin, Jury G.; Varshavsky, Vladimir D.; Zagorodnaya, Galina A.; and Fridman, Vladimir M., 4,876,469, Cl. 310-52.000.
- Leningradsky Politekhnichesky Institut: *See—*
  - Makarenko, Vladimir S., 4,842,294, Cl. 280-615.000.
- Lenius, Norbert W.: *See—*
  - Feider, Thomas; Lamer, Gerald P.; and Lenius, Norbert W., 4,880,124, Cl. 212-218.000.
- Lenk, Erich, to Barmag AG. Melt spinning apparatus. 4,801,257, 1-31-89, Cl. 425-192.00S.
- Lenk, Erich; and Stitz, Albert, to Barmag AG. Yarn withdrawal apparatus and method. 4,817,880, 4-4-89, Cl. 242-47.010.
- Lenk, Erich, to Barmag, AG. Method and apparatus for threading an advancing yarn onto a winding bobbin tube. 4,867,385, 9-19-89, Cl. 242-18.00A.
- Lenk, Erich; and Stitz, Albert, to Barmag, AG. Yarn withdrawal apparatus. 4,880,177, 11-14-89, Cl. 242-47.010.
- Lenk, Erich: *See—*
  - Bauer, Karl; Hanisch, Michael; and Lenk, Erich, 4,814,122, Cl. 264-40.100.
  - Bauer, Karl; Hanisch, Michael; and Lenk, Erich, 4,868,959, Cl. 28-187.000.
- Lenk, Michael, to Champion Spark Plug Company. Method for manufacturing a spark plug electrode. 4,826,462, 5-2-89, Cl. 445-7.000.
- Lenke, Dieter: *See—*
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- Lenke, Gerd M.; Fabris, Hubert J.; and Melby, Earl G., to GenCorp Inc. Thickened molding resin compositions and cured molded compounds. 4,868,231, 9-19-89, Cl. 523-512.000.
- Lenkey, Attila A., to Helme Tobacco Company. Nicotine removal process and product produced thereby. 4,848,373, 7-18-89, Cl. 131-297.000.
- Lenko, Jan P.: *See—*
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- Lennartsson, Back M. I., to Telefonaktiebolaget L M Ericsson. Diversity combiner. 4,868,890, 9-19-89, Cl. 455-139.000.
- Lennartz, Gary: *See—*
  - Burgmann, Thomas A. D.; and Lennartz, Gary, 4,801,924, Cl. 340-521.000.
  - Mallory, John; Burgmann, Thomas A. D.; and Lennartz, Gary, 4,821,027, Cl. 340-521.000.
- Lennartz, Rudiger, to Boll & Kirch Filterbau GmbH. Helical spring apparatus and process for detaching filter cake. 4,804,481, 2-14-89, Cl. 210-791.000.
- Lennington, John W.: *See—*
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- Lennon, Archie A., to Ingersoll-Rand Company. Rock drilling apparatus. 4,878,547, 11-7-89, Cl. 175-53.000.
- Lennon, Dan C. Bicycle, handlebar and adapter system. 4,878,397, 11-7-89, Cl. 74-551.100.
- Lennon, Patrick G., to Kimberly-Clark Corporation. Compact tampon applicator with hollow tampon and radially expandable applicator tube. 4,857,044, 8-15-89, Cl. 604-14.000.
- Lennon, Paul R. Swimming instruction and training aid. 4,804,326, 2-14-89, Cl. 434-254.000.
- Lennox Industries, Inc.: *See—*
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- Lenoir, James L., III. Water-powered electricity generating apparatus. 4,818,888, 4-4-89, Cl. 290-43.000.

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  - Gourlain, Philippe; Lenormand, Regis; and Morin, Dominique, 4,837,531, Cl. 333-135.000.
- Lenoski, Daniel E., to Tandem Computers Incorporated. System for performing group relative addressing. 4,819,165, 4-4-89, Cl. 364-200.000.
- Lenoski, Daniel E., to Tandem Computers Incorporated. Microcoded microprocessor with shared ram. 4,825,356, 4-25-89, Cl. 364-200.000.
- Lenoski, Daniel E.: *See—*
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  - Mazzanti, Rino, 4,858,870, Cl. 248-316.100.
- Lenox, Joseph J.: *See—*
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- Lenox, Ronald S.: *See—*
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- L'Enrouleur Electrique Moderne: *See—*
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- Lenschow, Per: *See—*
  - Bengtsson, Bengt G.; Larsson, Ove; and Lenschow, Per, 4,815,911, Cl. 414-7.000.
- Lense, Robert F., to Amerock Corporation. Non-backdriving actuator for opening and closing a window sash. 4,860,493, 8-29-89, Cl. 49-279.000.
- Lense, Robert F., to Amerock Corporation. Apparatus for actuating and locking a window sash. 4,887,392, 12-19-89, Cl. 49-300.000.
- Lenser Verwaltungs-GmbH: *See—*
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  - Wildner, Gerhard, 4,839,045, Cl. 210-228.000.
- Lenson, Harry; and Moise, Lester L., to Sequins of Distinction, Inc. Sequin application apparatus for shuttle embroidery machine. 4,807,546, 2-28-89, Cl. 112-88.000.
- Lent, Jon, to Dive N'Surf. Trunk restraint free wet suit. 4,809,364, 3-7-89, Cl. 2-2.10R.
- Lent, Mark S.: *See—*
  - Clancey, Stephen M.; Hjelmstad, Stanely D.; Lent, Mark S.; and Miller, Michael C., 4,835,405, Cl. 290-1.00A.
- Lenten, Hendrik. Hydraulic buffer to protect buildings against earthquakes. 4,887,398, 12-19-89, Cl. 52-167.00R.
- Lenti, Daria: *See—*
  - Fonte, Alberto; Tentorio, Angelo; and Lenti, Daria, 4,804,701, Cl. 524-262.000.
  - Visca, Mario; Boero, Giancarlo; and Lenti, Daria, 4,798,854, Cl. 523-334.000.
- Lentine, Anthony L., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Tri-state optical device with quantum well absorption. 4,800,262, 1-24-89, Cl. 250-211.00J.
- Lentine, Charles W.: *See—*
  - Hersh, Marvin; and Lentine, Charles W., 4,832,952, Cl. 424-400.000.
- Lentini, Salvatore; and Patti, Giuseppe, to Italtel Societa Italiana Telecomunicazioni s.p.a. Monitoring circuit for control means and selective breakaway means in modular supply systems. 4,841,161, 6-20-89, Cl. 307-85.000.
- Lentini, Salvatore; and Patti, Giuseppe, to Italtel Societa Italiana. Synchronizing circuit for a plurality of power units. 4,886,981, 12-12-89, Cl. 307-87.000.
- Lenton, Charles G.: *See—*
  - Nelson, Andrew W.; Hobbs, Richard E.; Deuling, W. John; and Lenton, Charles G., 4,864,581, Cl. 372-46.000.
- Lents, Charles E.: *See—*
  - Cook, Alex; and Lents, Charles E., 4,805,691, Cl. 165-104.330.
- Lents, Rollie T., to Waddell, James A. Breakaway freestanding roadside structure and method for construction thereof. 4,875,622, 10-24-89, Cl. 232-39.000.
- Lentsch, Steven E.; and Oakes, Thomas R., to Ecolab Inc. Zero phosphate warewashing detergent composition. 4,846,993, 7-11-89, Cl. 252-95.000.
- Lentz, Andrew O. Oscillating hoop and stick assembly. 4,799,917, 1-24-89, Cl. 446-450.000.
- Lentz, Carl M.; Gustafson, Bruce L.; and Wehner, Paul S., to Eastman Kodak Company. Catalyst composition and method for selective dehydrogenation. 4,798,911, 1-17-89, Cl. 568-747.000.
- Lentz, Carl M.; Gustafson, Bruce L.; Van Sickle, Dale E.; and Bowers, Joseph S., Jr., to Eastman Kodak Company. Synthesis of phenylhydroquinones. 4,847,429, 7-11-89, Cl. 268-643.000.
- Lentz, Cornelia V., executrix: *See—*
  - Lentz, William P., deceased, 4,875,917, Cl. 65-3.110.
- Lentz, David; and Bartholomew, Victor L., to Fisher Scientific Company. I.V. pump cassette. 4,850,980, 7-25-89, Cl. 604-248.000.
- Lentz, David; Wilson, Larry; and Deckert, Curt, to Fisher Scientific Company. Ratiometric air-in-line detector. 4,857,050, 8-15-89, Cl. 604-67.000.
- Lentz, Dennis G. Linear motion power cylinder. 4,867,000, 9-19-89, Cl. 74-89.150.
- Lentz, Gerd: *See—*
  - Heier, Christoph; Lentz, Gerd; and Ritter, Rainer, 4,838,488, Cl. 239-284.100.
- Lentz, Henry P.; Delaney, Larry R.; Matone, Charles J., Jr.; Lee, Richard J.; and Lang, Dan H., to RJ Lee Group, Inc. Apparatus for clearing a cellulose ester filter. 4,831,236, 5-16-89, Cl. 219-271.000.
- Lentz, John T., to High Resolution Sciences, Inc. Chroma crawl elimination without any cumulative difference in frame time. 4,833,523, 5-23-89, Cl. 358-17.000.
- Lentz, Klaus: *See—*
  - Heppenstiel, Gerhard; and Lentz, Klaus, 4,815,861, Cl. 366-130.000.
- Lentz, Norbert; and Schmidt, Harald, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Method and apparatus for producing a container body having a butt welded longitudinal seam from a sheet metal blank. 4,830,258, 5-16-89, Cl. 228-17.500.
- Lentz, Ronald R.; Wendt, Dan J.; Kemske, Jonathon D.; and Pesheck, Peter S. Method and apparatus for measuring strong microwave electric field strengths. 4,816,634, 3-28-89, Cl. 219-10.55M.
- Lentz, William P., deceased (by Lentz, Cornelia V., executrix), to Corning Incorporated. Method for making a layered glass article. 4,875,917, 10-24-89, Cl. 65-3.110.
- Lenz, Bernhard; Zwintzscher, Kurt; Gruehn, Dietrich; Fehrenbach, Hubert; and Holl, Norbert, to BASF Aktiengesellschaft. Jacket for a flexible magnetic disk and production of the jacket. 4,822,327, 4-18-89, Cl. 493-190.000.
- Lenz, Erwin. Apparatus and method for extracting focused solar radiant energy. 4,823,772, 4-25-89, Cl. 126-448.000.
- Lenz, Gisela: *See—*
  - Franz, Klaus D.; Griessmann, Andrea; Lenz, Gisela; and Moechl, Gernot, 4,828,826, Cl. 424-63.000.
- Lenz, Hans-Rudi: *See—*
  - Lang, Gunther; Maresch, Gerhard; Wendel, Harald; Konrad, Eugen; Lenz, Hans-Rudi; and Titze, Jurgen, 4,835,266, Cl. 536-20.000.
  - Lang, Gunther; Maresch, Gerhard; Lenz, Hans-Rudi; Konrad, Eugen; Breuer, Lothar; and Hoch, Dietrich, 4,845,204, Cl. 536-20.000.
- Lenz, James E.; Bjork, Paul E.; and Fujiwara, Hisatoshi, to Honeywell Inc. Optically powered remote sensors with timing discrimination. 4,857,727, 8-15-89, Cl. 250-227.000.
- Lenz, Kenneth, to Frommelt Industries, Inc. Bottom seal for L-pad dock shelter. 4,885,881, 12-12-89, Cl. 52-173.0DS.
- Lenz, Kenneth: *See—*
  - Frommelt, John A.; and Lenz, Kenneth, 4,799,341, Cl. 52-173.0DS.
  - Frommelt, John A.; and Lenz, Kenneth, 4,873,800, Cl. 52-173.0DS.
- Lenz, Michael, to Siemens Aktiengesellschaft. Circuit for temperature protection with hysteresis. 4,887,181, 12-12-89, Cl. 361-103.000.
- Lenz, Robert W.: *See—*
  - Sagane, Toshihiro; and Lenz, Robert W., 4,812,548, Cl. 526-313.000.
- Lenz, Rudiger; Walz, Gerd; Honel, Michael; and Ziegler, Peter, to Hoechst Aktiengesellschaft. Derivatives of 1,3-bissubstituted 2-propanol containing amino groups, methods for their preparation and their use. 4,885,392, 12-5-89, Cl. 564-503.000.
- Lenz, Rudiger: *See—*
  - Honel, Michael; Ziegler, Peter; Walz, Gerd; Lenz, Rudiger; Foedde, Hartmut; and Brindopke, Gerhard, 4,806,611, Cl. 528-45.000.
  - Vorwerk, Edgar; Finke, Manfred; and Lenz, Rudiger, 4,847,346, Cl. 528-45.000.
  - Walz, Gerd; Honel, Michael; Brindopke, Gerhard; Sprenger, Walter; Finke, Manfred; and Lenz, Rudiger, 4,808,658, Cl. 524-591.000.
- Lenz, Sigmund: *See—*
  - Morz, Gunter; Weiser, Wolfgang; Lenz, Sigmund; and Pivit, Erich, 4,810,979, Cl. 333-1.100.
  - Morz, Gunter; Pivit, Erich; and Lenz, Sigmund, 4,837,528, Cl. 333-24.100.
- Lenz, William; Patel, Arvind; and Tomkiewicz, Thaddeus, to Molex Incorporated. Strain relief structure for connecting flat flexible cable to a circuit board. 4,886,942, 12-12-89, Cl. 174-135.000.
- Lenze GmbH & Co. KG Aerzen: *See—*
  - Karl, Heinz-Dietmar; Tinebor, Manfred; and Lackhove, Josef, 4,890,185, Cl. 361-91.000.
- Lenzen, Dieter; and Bechem, Philip, to General Mining Union Corporation Limited. Activated rock cutting assembly. 4,815,543, 3-28-89, Cl. 175-350.000.
- Lenzen, Reiner, to TRW Vehicle Safety Systems, Inc. Igniter for gas generating material. 4,858,951, 8-22-89, Cl. 280-741.000.
- Lenzi, Mauro. Continuous paper band folding apparatus to form piles. 4,838,848, 6-13-89, Cl. 493-414.000.
- Lenzing Aktiengesellschaft: *See—*
  - Harms, Haio; Schobesberger, Manfred; Sollradl, Herbert; and Weinrotter, Klaus, 4,871,500, Cl. 264-178.00R.
  - Wolf, Rudolf; and Vilsecker, Kurt, 4,796,674, Cl. 139-13.00R.
  - Zacek, Franz, 4,821,778, Cl. 139-13.00R.
- Leo, Albert J.: *See—*
  - Bielskis, Edward; Leo, Albert J.; and Zeien, Jane K., 4,859,484, Cl. 426-573.000.
- Leo, Daniel W., Sr., to Ledan, Inc. Display for packaged supplies. 4,815,612, 3-28-89, Cl. 211-189.000.
- Leo Kaken Co., Ltd.: *See—*
  - Nakano, Masahiro, 4,826,373, Cl. 411-82.000.
- Leo Pharmaceutical Products Ltd.: *See—*
  - Binderup, Ernst T.; and Liisberg, Sven, 4,870,063, Cl. 514-79.000.

  - Calverley, Martin J.; and Binderup, Ernst T., 4,866,048, Cl. 514-167.000.
  - Godtfredsen, Wagn O.; and von Daehne, Welf, 4,831,025, Cl. 514-195.000.
  - Godtfredsen, Wagn O.; and von Daehne, Welf, 4,840,944, Cl. 514-195.000.
  - Godtfredsen, Wagn O.; and von Daehne, Welf, 4,882,325, Cl. 514-195.000.
  - Hansen, Erik T., 4,816,580, Cl. 540-310.000.
  - Hansen, Erik T.; Kran-Nielsen, Mogens P.; and Von Daehne, Welf, 4,847,266, Cl. 514-310.000.
  - Nielsen, Ole Bent Ivormose; and Ahnfelt-Ronne, Ian, 4,826,987, Cl. 546-174.000.
- Leo Sistig KG: *See—*
  - Lungers, Karl H., 4,803,761, Cl. 26-35.000.
- Leocor, Inc.: *See—*
  - Wijay, Bandula; and Angelini, Paolo, 4,884,573, Cl. 128-344.000.
- Leon, John F. Self-draining pot apparatus. 4,832,226, 5-23-89, Cl. 220-264.000.
- Leon, Luis P. Disposable analytical device. 4,865,813, 9-12-89, Cl. 422-101.000.
- Leon, Luis P.: *See—*
  - Yun, Shyun-long; Leon, Luis P.; and Ahmad, Syed I., 4,816,411, Cl. 436-13.000.
- Leon, Michael A., to FMC Corporation. Loader platform interface control and stop means. 4,886,413, 12-12-89, Cl. 414-495.300.
- Leon, Miguel J.: *See—*
  - Lee, Wendell; and Leon, Miguel J., 4,863,539, Cl. 156-83.000.
- Leon, Robert L., to Liberty Technology Center, Inc. System for evaluating the condition and performance of a valve and valve operator combination. 4,805,451, 2-21-89, Cl. 73-168.000.
- Leon, Robert L., to Liberty Technology Center, Inc. Flat, multiconductor cable coil device for in situ detecting of axial motion of a generally cylindrical member. 4,879,511, 11-7-89, Cl. 324-163.000.
- Leon, Robert L., to Liberty Technology Center, Inc. System for evaluating the condition and performance of a valve and valve operator combination. 4,879,901, 11-14-89, Cl. 73-168.000.
- Leon, Robert L., to Liberty Technology Center, Inc. Strain sensor for attachment to a structural member. 4,882,937, 11-28-89, Cl. 73-862.670.
- Leon, Rogue O. Therapeutic powder and process of manufacturing. 4,883,663, 11-28-89, Cl. 424-195.100.
- Leon, Thomas B. Wheel mounted safety light. 4,800,469, 1-24-89, Cl. 362-72.000.
- Leonard, Antony J.; and Macleod, Donald A., to Unisys Corporation. Document feeding apparatus. 4,889,332, 12-26-89, Cl. 271-108.000.
- Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., to Eastman Kodak Company. Compact camera with flash unit. 4,796,034, 1-3-89, Cl. 354-145.100.
- Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., to Eastman Kodak Company. Photographic camera. 4,819,016, 4-4-89, Cl. 354-82.000.
- Leonard, Charles F. Truck mud flap arm. 4,877,267, 10-31-89, Cl. 280-848.000.
- Leonard, David P.; Truesdale, James H.; and Scherrer, Joseph H., to Cook Paint and Varnish Company. Cyanoacetic ester system. 4,804,715, 2-14-89, Cl. 525-245.000.
- Leonard, Didier; Periot, Jean-Marie; and Petit, Pierre, to La Telemecanique Electrique. Circuit for processing a pseudo-oscillatory signal, especially for inductive proximity detectors. 4,879,512, 11-7-89, Cl. 324-207.000.
- Leonard, Didier: *See—*
  - Lewiner, Jacques; Hennion, Claude; and Leonard, Didier, 4,857,913, Cl. 340-825.310.
- Leonard, Donald A.; and Sweeney, Harold E., to GTE Government Systems Corporation. Method of remotely detecting submarines using a laser. 4,867,558, 9-19-89, Cl. 356-43.000.
- Leonard, Donald A.: *See—*
  - Sweeney, Harold E.; and Leonard, Donald A., 4,867,564, Cl. 356-349.000.
- Leonard, Elizabeth C.; and Erwin, Lewis, to Massachusetts Institute of Technology. Process for etching polytetrafluoroethylene. 4,855,018, 8-8-89, Cl. 156-646.000.
- Leonard, Gary L., to General Electric Company. Pressurized balanced sealing system for use on the ring-liner interface of a coal fired diesel engine. 4,811,706, 3-14-89, Cl. 123-196.00R.
- Leonard, George H., to Hamlin Transmission Corporation. Variable-ratio transmissions, separately and in bicycles. 4,816,008, 3-28-89, Cl. 474-47.000.
- Leonard, George H. Variable ratio drive mechanism. 4,832,660, 5-23-89, Cl. 474-49.000.
- Leonard, Gerard E., to R. J. Reynolds Tobacco Company. System and method for reclaiming and utilizing tobacco in the manufacture of cigarettes. 4,867,179, 9-19-89, Cl. 131-96.000.
- Leonard, Henri, to Micro-Mega S.A. Device for maintaining a boring tool in a vibratory dental instrument. 4,840,566, 6-20-89, Cl. 433-127.000.
- Leonard, Henri: *See—*
  - Meusy, Andre; and Leonard, Henri, 4,824,370, Cl. 433-102.000.
- Leonard, Henry, to Micro-Mega S.A. Syringe for high pressure injection of fluid or paste products. 4,820,287, 4-11-89, Cl. 604-209.000.
- Leonard, Jacques: *See—*
  - Nocca, Jean-Luc; Leonard, Jacques; Gaillard, Jean-Ferdinand; and Amigues, Pierre, 4,847,431, Cl. 568-197.000.
  - Quang, Dang Vu; Amigues, Pierre; Gaillard, Jean-Ferdinand; Leonard, Jacques; and Nocca, Jean-Luc, 4,847,430, Cl. 568-697.000.
- Leonard, John B., Jr.: *See—*
  - Selfridge, Philip T.; Leonard, John B., Jr.; and Clancey, Patrick K., 4,801,332, Cl. 106-273.100.
- Leonard, John E., to Gentner Electronics Corporation. Remote control unit for radio/television transmitter station. 4,872,195, 10-3-89, Cl. 379-40.000.
- Leonard, John F.; and Beam, Jerry E., to United States of America, Air Force. Method of manufacturing heat pipe wicks. 4,885,129, 12-5-89, Cl. 419-2.000.
- Leonard John K.; and Fabry, Roland, to Pullman Canada Ltd. Apparatus and method for detecting the presence of a burner flame. 4,882,573, 11-21-89, Cl. 340-578.000.
- Leonard, John S.: *See—*
  - Helm, John L.; and Leonard, John S., 4,863,676, Cl. 376-299.000.
- Leonard Kurz GmbH & Co.: *See—*
  - Kraetschmer, Horst, 4,837,072, Cl. 428-201.000.
- Leonard Medical: *See—*
  - Bonnell, Leonard, 4,863,133, Cl. 248-278.000.
- Leonard, Mercedes B.: *See—*
  - Michelson, Randi J.; and Leonard, Mercedes B., 4,839,684, Cl. 354-327.000.
- Leonard, Rex D.; and Short, Noel E., to International Cryogenics, Inc. Compressed-gas power source for portable gas-driven tools. 4,838,034, 6-13-89, Cl. 62-50.200.
- Leonard, Robert J.; and Harman, S. Mitchell, to Endocon, Inc. Injector for implanting multiple pellet medicaments. 4,846,793, 7-11-89, Cl. 604-62.000.
- Leonard, Ronald J., to Baxter International Inc. Platelet collection system. 4,800,022, 1-24-89, Cl. 210-636.000.
- Leonard, Ronald J., to Minnesota Mining and Manufacturing Company. Combination fluid path and mount for heat exchanger. 4,846,177, 7-11-89, Cl. 128-400.000.
- Leonard, Ronald J.; and Johnson, Kenneth M., to Baxter International Inc. Hollow fiber bundle having transverse binding means and method of making same. 4,863,600, 9-5-89, Cl. 210-321.740.
- Leonard, Ronald J., to Minnesota Mining and Manufacturing Company. Cardioplegia administration set. 4,883,455, 11-28-89, Cl. 604-4.000.
- Leonard, Russell J.: *See—*
  - Harwath, Frank A.; and Leonard, Russell J., 4,820,182, Cl. 439-290.000.
- Leonard, Thomas B.: *See—*
  - Finkelstein, Joseph A.; Kruse, Lawrence I.; and Leonard, Thomas B., 4,837,353, Cl. 560-39.000.
  - Finkelstein, Joseph A.; Kruse, Lawrence I.; and Leonard, Thomas B., 4,859,779, Cl. 538-321.000.
  - Kruse, Lawrence I.; Leonard, Thomas B.; and Ross, Stephen T., 4,876,266, Cl. 514-392.000.
- Leonard, Thomas W.; Enever, Robin P.; and Mikula, Karol K., to American Home Products Corporation (Del.). Transdermal drug delivery system. 4,820,525, 4-11-89, Cl. 424-486.000.
- Leonard, Thomas W.; Mikula, Karol Kay; and Schlesinger, Marcia S., to American Home Products Corp. Menthone enhancement of transdermal drug delivery. 4,873,266, 10-10-89, Cl. 514-653.000.
- Leonard, Thomas W.; Mikula, Karol K.; and Schlesinger, Marcia S., to American Home Products Corporation. Carvone enhancement of transdermal drug delivery. 4,888,360, 12-19-89, Cl. 514-675.000.
- Leonard, Thomas W.; Mikula, Karol K.; and Schlesinger, Marcia S., to American Home Products Corp. Eugenol enhancement of transdermal drug delivery. 4,888,362, 12-19-89, Cl. 514-724.000.
- Leonard, Tracey M.: *See—*
  - Stein, Judith; Leonard, Tracey M.; and Pratt, Sandra L., 4,814,368, Cl. 524-158.000.
  - Stein, Judith; and Leonard, Tracey M., 4,877,828, Cl. 524-728.000.
  - Stein, Judith; and Leonard, Tracey M., 4,888,382, Cl. 524-788.000.
- Leonard, Vurnen; Kato, Arthur K.; Ohmori, Kiyoshi; Fujiwara, Keisuke; and Soda, Yutaka, to Minnesota Mining and Manufacturing Company; and Sony Corporation. Disc cartridge. 4,875,128, 10-17-89, Cl. 360-133.000.
- Leonard, Vurnen J.; and Kuroda, Masayuki, to Minnesota Mining and Manufacturing Company; and Sony Corporation. Disk cartridge. 4,885,652, 12-5-89, Cl. 360-133.000.
- Leonard, Vurnen J.: *See—*
  - Chamberlin, Davis W.; Leonard, Vurnen J.; and Koizumi, Osamu, 4,879,621, Cl. 360-133.000.
  - Moore, Larry D.; Leonard, Vurnen J.; and Perry, David M., 4,843,512, Cl. 360-133.000.
- Leonard, Wesley. Hand protecting grip for use with shopping bags and the like. 4,846,519, 7-11-89, Cl. 294-171.000.
- Leonardi, Amedeo; Pennini, Renzo; Cazzulani, Pietro; and Nardi, Dante, to Recordati S.A., Chemical & Pharmaceutical Company. Therapeutically active flavonyl-1,4-dihydrophyridines. 4,806,534, 2-21-89, Cl. 514-233.500.
- Leonardi-Cattolica, Anthony M.; McMillan, Dale H.; and Telfer, Alexander, to Shell Oil Company. Wide-range fluid level detector. 4,870,278, 9-26-89, Cl. 250-357.100.
- Leonardi, Giovanni M., to RCA Licensing Corporation. Vertical deflection current generator. 4,884,012, 11-28-89, Cl. 315-397.000.
- Leonardi, Nicholas J., to Dynamit Nobel of America, Inc. Electrically conductive polyethylene foam. 4,800,126, 1-24-89, Cl. 428-420.000.
- Leonardi, Nicholas J.: *See—*
  - Lapierre, Robert M.; and Leonardi, Nicholas J., 4,806,294, Cl. 264-54.000.

Leonardis, Nicola. Foundation form work. 4,831,803, 5-23-89, Cl. 52-323.000.

Leonardo, Covi; Giorgio, Bacialli; and Raffaele, Degli E. Method for black dyeing pasta foodstuffs, and foodstuffs obtained by said method. 4,874,619, 10-17-89, Cl. 426-94.000.

Leonardo, John, to Cowtronics, Inc. Method and apparatus for detecting standing heat in cattle. 4,846,106, 7-11-89, Cl. 119-1.000.

Leonardo, Victoria A.: *See—*

Nelson, Leonard E.; Leonardo, Victoria A.; and Grandfield, Walter J., 4,814,763, Cl. 340-825.440.

Leonatti, John A.: *See—*

Bosyj, Nick M.; Leonatti, John A.; Weber, Vincent L.; and Wagner, Gregory P., 4,831,685, Cl. 15-344.000.

Leonberger, Frederick J.: *See—*

Kingston, Robert H.; and Leonberger, Frederick J., 4,865,427, Cl. 350-355.000.

Rediker, Robert H.; Leonberger, Frederick J.; and Greenwood, Darryl P., 4,798,437, Cl. 350-96.140.

Leoncavallo, Richard A.; Phillips, Gregory R.; and Mehra, Ravinder C., to Nalge Company. Pressure filter assembly with bleed valve. 4,861,466, 8-29-89, Cl. 210-120.000.

Leone-Bay, Andrea, to Akzo America Inc. Inversion of allylic alcohols. 4,825,012, 4-25-89, Cl. 568-902.000.

Leone-Bay, Andrea: *See—*

Bay, Elliott; Leone-Bay, Andrea; and Timony, Peter E., 4,814,467, Cl. 549-246.000.

Leone, David A.; and Buxton, Clifford A., to Siemens Energy & Automation, Inc. Insulated light weight metallic crossbar in polyphase circuit breaker assemblies for inhibiting arcing. 4,866,225, 9-12-89, Cl. 200-144.00R.

Leone, David A.; and Buxton, Clifford A., to Siemens Energy & Automation, Inc. Arcing contact assembly for a circuit breaker. 4,871,889, 10-3-89, Cl. 200-146.00R.

Leone, David A.; Buxton, Clifford A.; and Robbins, W. Dale, to Siemens Energy & Automation, Inc. Barrier with a venting scheme for a circuit breaker. 4,876,424, 10-24-89, Cl. 200-306.000.

Leone, Joseph A.: *See—*

Oquendo, Javier N.; and Leone, Joseph A., 4,872,992, Cl. 210-659.000.

Leone, Ronald E.: *See—*

Gunther, Wolfgang H. H.; Leone, Ronald E.; and Przyklek, Rosemary, 4,831,136, Cl. 544-1.000.

Gunther, Wolfgang H. H.; Leone, Ronald E.; and Przyklek, Rosemary, 4,874,866, Cl. 548-100.000.

Leone, Stacey: *See—*

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Leone, Tomaso: *See—*

Traini, Carlo; Leone, Tomaso; and Schira, Renato, 4,828,653, Cl. 204-23.000.

Leonetti, Frank A.; and Leonetti, Richard L. Flip top cap. 4,805,790, 2-21-89, Cl. 215-235.000.

Leonetti, Richard L.: *See—*

Leonetti, Frank A.; and Leonetti, Richard L., 4,805,790, Cl. 215-235.000.

Leong, Dennis Y., to ETI Explosives Technologies International (Canada), Ltd. Blasting explosive with improved water resistance. 4,889,570, 12-26-89, Cl. 149-7.000.

Leong, Helen; Katz, Martin; Delk, Anne; Berliner, David; and Nacht, Sergio, to Advanced Polymer Systems. Synthetic melanin aggregates. 4,806,360, 2-21-89, Cl. 424-487.000.

Leong, Helen; Katz, Martin; Delk, Ann; Nacht, Sergio; and Berliner, David, to Advanced Polymer Systems. Synthetic melanin aggregates. 4,855,144, 8-8-89, Cl. 424-487.000.

Leong, Kam W.: *See—*

D'Amore, Patricia; Leong, Kam W.; and Langer, Robert S., 4,886,870, Cl. 528-206.000.

Leong, Koon-Wah: *See—*

Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Leong, Koon-Wah; and Kumar, Anand, 4,808,539, Cl. 436-74.000.

Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.

Leong, Merlin L.; Hayward, John S.; and Fox, Glyn R., to University of Victoria. Apparatus for the detection of chemiluminescence. 4,863,689, 9-5-89, Cl. 422-52.000.

Leong, Ming H.: *See—*

Tirtoprodjo, Santono; and Leong, Ming H., 4,804,437, Cl. 156-577.000.

Leonhard, Rolf; and Schutz, Peter, to Robert Bosch GmbH. Soot reservoir for an exhaust gas scrubbing system for an internal combustion engine. 4,853,007, 8-1-89, Cl. 55-337.000.

Leonhard, Rolf; and Projahn, Ulrich, to Robert Bosch GmbH. Apparatus for removing solid particles, especially soot particles, from the exhaust gas of an internal combustion engine. 4,858,431, 8-22-89, Cl. 60-297.000.

Leonhard, Rolf: *See—*

Knauer, Alfred; Leonhard, Rolf; Projahn, Ulrich; and Stolper, Wolfgang, 4,858,433, Cl. 60-303.000.

Leonhardt, Mark A.: *See—*

Froese, Richard J.; Leonhardt, Mark A.; and Roy, Michael J., 4,848,421, Cl. 141-114.000.

Leonhardt, Siegfried: *See—*

Nolte, Bert; and Leonhardt, Siegfried, 4,879,862, Cl. 53-438.000.

Leonhardt, Wolfgang: *See—*

Dankowski, Manfred; Lieser, Thomas; Prescher, Gunter; Leonhardt, Wolfgang; and Diehl, Manfred, 4,879,057, Cl. 252-99.000.

Leonhardy GmbH: *See—*

Rolf, Helmut; and Bock, Werner, 4,802,868, Cl. 439-689.000.

Leoni, Gianni, to Meadox Surgimed A/S. Steerable guidewire. 4,867,173, 9-19-89, Cl. 128-772.000.

Leoni, Peter B.: *See—*

Jacaruso, Gary J.; and Leoni, Peter B., 4,853,172, Cl. 264-571.000.

Leoni, Roberto; Gruber, Werner; and Wichelhaus, Juergen, to Henkel Kommanditgesellschaft auf Aktien. Adhesive composition comprising polyamide from dimer acid and N-alkyl diamine. 4,810,772, 3-7-89, Cl. 528-339.300.

Leonov, Mark; and Kordel, Jan, to Intel Corporation. Method and apparatus for testing sputter targets. 4,878,376, 11-7-89, Cl. 73-40.000.

Leonov, Mark A.: *See—*

Crafts, Douglas E.; and Leonov, Mark A., 4,868,992, Cl. 33-533.000.

Leopold, Arthur B., to Tarel Seven Design, Inc. Grooming device. 4,807,569, 2-28-89, Cl. 119-83.000.

Leopold, Fredrick F.: *See—*

Van Nes, Floris L.; Leopold, Fredrick F.; and Schaffers, Frederik J., 4,864,623, Cl. 381-43.000.

Leopold, Hans; and Stabinger, Hans. Density measuring instrument. 4,838,084, 6-13-89, Cl. 73-32.00A.

Leopold, Wilbur R., III: *See—*

Elslager, Edward F.; and Leopold, Wilbur R., III, 4,853,221, Cl. 424-649.000.

Leopoldi, Norbert; and Heinrich, William P., to Cloverline, Inc., The. Illuminated paper tray. 4,809,141, 2-28-89, Cl. 362-99.000.

Leopoldi, Norbert, to Cloverline, Inc., The. Lever adapter for door knobs. 4,877,277, 10-31-89, Cl. 292-347.000.

Leopoldi, Norbert: *See—*

Heinrich, William P.; Leopoldi, Norbert; and Brewer, Richard, 4,850,976, Cl. 604-192.000.

Leorat, Francois, to Regie Nationale des Usines Renault. Control by switch under force of a declutching system at stop for automatic transmission. 4,795,864, 1-3-89, Cl. 200-61.910.

Leorat, Francois, to Regie Nationale des Usines Renault. Push button automatic transmission control device. 4,884,057, 11-28-89, Cl. 340-456.000.

LePage, Bernard E.; and Hurless, Frank. Mass interment system. 4,862,655, 9-5-89, Cl. 52-136.000.

Le Page, Jean-Francois: *See—*

Dang Vu, Quang; Durand, Daniel; Le Page, Jean-Francois; County, Philippe; and Forestiere, Alain, 4,847,000, Cl. 252-373.000.

Vu, Quang D.; Pradel, Claude; Euzen, Jean-Paul; and Le Page, Jean-Francois, 4,820,495, Cl. 422-148.000.

Lepage, Jean-Luc; and Simon, Gerard, to Rhone-Poulenc Specialites Chimiques. Plasma production of trichorosilane, $SiHCl_3$. 4,836,997, 6-6-89, Cl. 423-342.000.

Lepagnol, Jean: *See—*

Lavielle, Gilbert; and Lepagnol, Jean, 4,812,469, Cl. 514-466.000.

Lavielle, Gilbert; and Lepagnol, Jean, 4,859,700, Cl. 514-470.000.

Lavielle, Gilbert; and Lepagnol, Jean, 4,885,299, Cl. 514-253.000.

Lavielle, Gilbert; and Lepagnol, Jean, 4,886,799, Cl. 514-233.500.

Lepak, Theodore: *See—*

Shemitz, Sylvan R.; Lepak, Theodore; and Smith, Steve, 4,881,156, Cl. 362-220.000.

Lepant, Marcel: *See—*

Laruelle, Claude; Lepant, Marcel; and Raynier, Bernard, 4,804,684, Cl. 514-640.000.

Le Perchec, Pierre; Fixari, Bernard; Debled, Beatrice; and Thomas, Michel, to Institut Francais du Petrole. Process for the thermal conversion of heavy petroleum fractions and refining residues, in the presence of oxygen compounds of sulfur and nitrogen and compositions containing these compounds. 4,869,804, 9-26-89, Cl. 208-106.000.

LePere, Pierre H.: *See—*

Larson, Curtis L.; and LePere, Pierre H., 4,873,101, Cl. 426-113.000.

Le Pesant, Jean-Pierre; Hareng, Michel; Huignard, Jean-Pierre; Herriau, Jean-Pierre; Mourey, Bruno; and Perbet, Jean-Noel, to Thomson-CSF. Device for optical switching by fluid displacement and a device for the composition of a line of points. 4,818,052, 4-4-89, Cl. 350-96.150.

Lepetre, Yves J.: *See—*

Murduck, James M.; Lepetre, Yves J.; Schuller, Ivan K.; and Ketterson, John B., 4,844,989, Cl. 428-698.000.

Lephardt, John O., to Philip Morris, Incorporated. Package having magnetically coded tear tape or sealing strip. 4,836,378, 6-6-89, Cl. 206-459.000.

Lepine, Gerard: *See—*

Saulgeot, Jean-Michel; Lepine, Gerard; and Caillon, Claude, 4,816,961, Cl. 361-142.000.

Lepine, Pierre C.: *See—*

Boisvert, Michelle; and Lepine, Pierre C., 4,813,157, Cl. 36-44.000.

Lepley, Roger M., to Kalamazoo Banner Works, Inc. Banner support. 4,880,195, 11-14-89, Cl. 248-219.400.

Le Polles, Jean-Bernard: *See—*

Nadler, Guy; Le Polles, Jean-Bernard; and Legave, Marie-Noelle, 4,853,391, Cl. 514-294.000.

Leporcq, Bruno: *See—*

Verdier, Claude; Leporcq, Bruno; Georges, Eric; and Barraud, Roger, 4,866,729, Cl. 372-89.000.

LePori, Wayne A.; and Parnell, Calvin B., to Texas A & M University System. System and process for conversion of biomass into usable energy. 4,848,249, 7-18-89, Cl. 112-234.000.

Leporq, Serge: *See—*

Deschamps, Andre ; Franckowiak, Sigismond; and Leporq, Serge, 4,855,117, Cl. 423-244.000.

Lepp, Henry P.; and Lepp, Herman P. Convertible grain bin sweep unloader. 4,875,820, 10-24-89, Cl. 414-306.000.

Lepp, Herman P.: *See—*

Lepp, Henry P.; and Lepp, Herman P., 4,875,820, Cl. 414-306.000.

Leppanen, Seppo I.; Kumpa, V. Erik; and McDiarmid, Richard S., to Devron-Hercules, Inc. Air motor harmonic drive slice lip automation device. 4,833,941, 5-30-89, Cl. 74-625.000.

Leppek, Kevin G., to General Motors Corporation. ABS pressure apply algorithm. 4,881,[illegible]84, 11-21-89, Cl. 303-100.000.

Leppek, Kevin G.: *See—*

Walenty, Allen J.; and Leppek, Kevin G., 4,835,695, Cl. 364-426.020.

Lepperhoff, Gerhard; and Huthwohl, Georg, to FEV Motorentechnik GmbH & Co., KG. Filter system for the removal of engine emission particulates. 4,872,889, 10-10-89, Cl. 55-267.000.

Leppert, Lawrence L., to Cobe Laboratories, Inc. Pump with plural flow lines. 4,885,001, 12-5-89 Cl. 604-4.000.

Leptien, Helmut, to Volkswagen AG. Spiral compressor with setback portion on radially outer peripheral wall. 4,859,159, 8-22-89, Cl. 418-55.000.

Le Queau, Marcel, to U.S. Philips Corporation. Digital FM demodulator using digital quadrature filter. 4,799,025, 1-17-89, Cl. 329-107.000.

Lequesne, Bruno P. B., to General Motors Corporation. Variable lift operation of bistable electromechanical poppet valve actuator. 4,829,947, 5-16-89, Cl. 123-90.110.

Lequime, Michel, to Bertin & Cie, B.P. Opto-electronic method and system for remote detection of physical magnitudes. 4,814,604, 3-21-89, Cl. 250-227.000.

Lequime, Michel; and Millet, Jocelyn, to Bertin & Cie. Method and apparatus for determining color, in particular of a dental prosthesis. 4,836,674, 6-6-89, Cl. 356-319.000.

Lequime, Michel, to Bertin & Cie. Opto-electronic detection device for remotely detecting a physical magnitude. 4,867,565, 9-19-89, Cl. 356-351.000.

Lerailler, Eric; Pierre, Michel; Thiriet, Bernard; and Wacquez, Jean, to Beghin-Say, S.A. Process for preparing a liquid-absorbing composition. 4,883,478, 11-28-89, Cl. 604-360.000.

Lerat, Bernard, to Commissariat a l'Energie Atomique. System for locating an object in space. 4,840,445, 6-20-89, Cl. 350-6.800.

Lerat, Bernard, to Commissariat A L'Energie Atomique. Transducer for bending and twisting moments. 4,879,913, 11-14-89, Cl. 73-862.040.

Lerch, Alan E.: *See—*

McMeekin, James H.; Lerch, Alan E.; Chollock, Ronald S.; and Wesdock, James F., 4,874,940, Cl. 250-223.00B.

Lerch, Thomas J.: *See—*

Smith, Ronald J.; Lerch, Thomas J.; and McLeod, Rick, 4,888,843, Cl. 15-98.000.

Lerch, Ulrich; and Henning, Rainer, to Hoechst Aktiengesellschaft. Novel benzothiazinone derivatives, processes for their preparation, medicaments containing them and their use. 4,831,028, 5-16-89, Cl. 514-224.200.

Lerch, Ulrich; Henning, Rainer; and Kaiser, Joachim, to Hoechst Aktiengesellschaft. Alkoxyphenylindolinone derivatives, medicaments containing them and their use. 4,882,329, 11-21-89, Cl. 514-253.000.

Lerche, Nolan C.; Fletcher, Edward A.; and Twedeil, Michael H. Vehicular theft prevention system and method. 4,842,093, 6-27-89, Cl. 180-287.000.

Lercher, John S.: *See—*

Jakubowicz, Raymond F.; and Lercher, John S., 4,798,705, Cl. 422-63.000.

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Lerma, Demetrio, Jr.: *See—*

Lerma, Larry; Lerma, Demetrio, Jr.; and Lerma, Faustino, Jr., 4,842,316, Cl. 296-22.000.

Lerma, Faustino, Jr.: *See—*

Lerma, Larry; Lerma, Demetrio, Jr.; and Lerma, Faustino, Jr., 4,842,316, Cl. 296-22.000.

Lerma, Larry; Lerma, Demetrio, Jr.; and Lerma, Faustino, Jr. Picnic trailer apparatus. 4,842,316, 6-27-89, Cl. 296-22.000.

Lerman, Max. Orthopedic supports and material for making same. 4,832,010, 5-23-89, Cl. 128-165.000.

Lerman, Michael J.; and Hamert, Jean M., to De Dietrich (USA), Inc. Thermal sensing apparatus in outlet nozzle. 4,822,570, 4-18-89, Cl. 422-119.000.

Lerman, Samuel I. Cardiac assist cuirass. 4,881,527, 11-21-89, Cl. 128-30.200.

Lermer, Helmut; Hoelderich, Wolfgang; and Schwarzmann, Matthias, to BASF Aktiengesellschaft. Preparation of cyclopentanone. 4,822,920, 4-18-89, Cl. 568-355.000.

Lerner, Bernard J. Removal of acid gases in dry scrubbing of hot gases. 4,795,619, 1-3-89, Cl. 423-244.000.

Lerner, Bernard J. Removal of acid gases in dry scrubbing of hot gases. 4,865,828, 9-12-89, Cl. 423-244.000.

Lerner, George: *See—*

Ellman, Steven; Ellman, Fred; Ellman, Julius; and Lerner, George, 4,835,874, Cl. 33-27.110.

Lerner, Harry. Orthodontic bracket and lock pin. 4,838,787, 6-13-89, Cl. 433-14.000.

Lerner, Irwin S.; and Babbitt, Thomas J., to Manufacturers Hanover Trust Company. Container for thin glass plates. 4,838,423, 6-13-89, Cl. 206-454.000.

Lerner. Joseph S.; Krukas, David; and Novak, Steven C., to Loveshaw Corporation, The. Vertical tape sealing of carton end walls. 4,846,921, 7-11-89, Cl. 156-352.000.

Lerner, Joseph S.: *See—*

DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, 4,813,206, Cl. 53-137.000.

DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, 4,869,769, Cl. 156-269.000.

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Diskin, Steve; and Lerner, Lawrence, 4,849,862, Cl. 362-96.000.

Diskin, Steve; and Lerner, Lawrence, 4,867,764, Cl. 55-126.000.

Lerner, Marshall A.: *See—*

Gotman, Alexander S., 4,869,139, Cl. 81-475.000.

Gotman, Alexander S., 4,874,275, Cl. 411-5.000.

Lerner, Moisey. System for numerical description of computer program logic. 4,833,641, 5-23-89, Cl. 364-900.000.

Lerner, Robert: *See—*

Golyakhovsky, Vladimir; and Lerner, Robert, 4,800,879, Cl. 128-325.000.

Newhouse, Stanley; Lerner, Robert; and Martin, Roy, 4,822,337, Cl. 604-50.000.

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Krishnamurthy, Ramachandran; Lerner, Steve L.; and MacLean, Donald L., 4,816,039, Cl. 55-26.000.

Lerner, Stuart D.: *See—*

Gordon, Gary B.; Roark, Joseph C.; and Lerner, Stuart D., 4,843,566, Cl. 364-513.000.

Tella, Richard P.; and Lerner, Stuart D., 4,852,242, Cl. 29-568.000.

Lerner, Yaakov, to Yahav Limited. Rhinitis relief device. 4,805,614, 2-21-89, Cl. 128-203.170.

Lernout, George O. System for analog-digital-analog conversion. 4,843,391, 6-27-89, Cl. 341-143.000.

Lerot, Luc: *See—*

Legrand, Franz; Van den Bossche-De Bruycker, Patricia; and Lerot, Luc, 4,830,993, Cl. 501-103.000.

Wautier, Henri; Legrand, Franz; and Lerot, Luc, 4,853,207, Cl. 423-592.000.

Leroux, Eric: *See—*

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Leroux, Francis: *See—*

Clerc-Renaud, Jacques; Leroux, Francis; and Ravier, Dominique, 4,798,662, Cl. 204-290.00R.

le Roux Murray, Pieter W. Cryogenic apparatus and cryogenic methods. 4,888,956, 12-26-89, Cl. 62-51.100.

LeRoux, Thierry; and Truche, Robert, to Commissariat A L'Energie Atomique. Matrix display device and process for controlling said device. 4,846,557, 7-11-89, Cl. 350-333.000.

LeRoux, Thierry: *See—*

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Le Roy, Guy; and Fraise, Muguette, to Societe Anonyme dite: Alcatel Cit. N by N type optical diffuser and coupling network. 4,867,519, 9-19-89, Cl. 350-96.150.

Leroy, Maurice: *See—*

Candau, Sauveur; Leroy, Maurice; Brunette, Jean-Pierre; Mallo, Paul; Loret, Jean-Francois; and Waton, Gilles, 4,876,036, Cl. 252-637.000.

Le Roy, Patrice: *See—*

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LeRoy, Robert D.: *See—*

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Leroy, Rolande: *See—*

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Lersmacher, Bernhard N. A.: *See—*

Hubner, Horst H.; and Lersmacher, Bernhard N. A., 4,865,413, Cl. 350-96.210.

Lerude, Gerard: *See—*

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Les Cables de Lyon: *See—*

Comte, Georges, 4,826,314, Cl. 356-73.100.

Fosse, Raymond; and Thevenon, Henri, 4,833,275, Cl. 174-21.00R.

Thevenon, Henri, 4,819,250, Cl. 374-104.000.

Les Enterprises Tritton Ltee: *See—*

Tritton, Victor R.; Tritton, Gary E.; and Chevillard, Paul F., 4,887,855, Cl. 292-307.00R.

Les Fils d'Auguste Maillefer, Societe Anonyme a Ballaigues: *See—*

Maillefer, Pierre-Luc, 4,871,313, Cl. 433-225.000.

Randin, Jean-Claude, 4,802,848, Cl. 433-225.000.

Les Industries Fortier Ltee: *See—*

Daigle, Clement; and Gonthier, Emile, 4,842,785, Cl. 269-35.000.

Daigle, Clement; and Gonthier, Emile, 4,854,543, Cl. 249-95.000.

Les Laboratoires Meram: *See—*

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Les Piscines et Abris Tempo, Inc.: *See—*

Audet, Carol, 4,887,627, Cl. 135-120.000.

Les Placements Paro Inc.: *See—*

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Les Produits Associes LPA-Broxo S.A.: *See—*

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Les Produits Associes, LPA SA: *See—*

Moret, Michel A.; and Jousson. Pierre J., 4,880,382, Cl. 433-118.000.

Les Produits Duvernay Ltee: *See—*

Croteau, Rene, 4,856,171, Cl. 29-417.000.

Les Produits Isolofoam Inc.: *See—*

Flack, John; and Bailey, David W., 4,828,635, Cl. 156-71.000.

Lesage, Marc: *See—*

Bible, Matthew; Lesage, Marc; and Falconer, Ian, 4,876,886, Cl. 73-151.500.

Le Salver, Robert; and Poupard, Dominique, to Automobiles Peugeot; and Automobiles Citroen. Suspension device for the body and the power unit of a motor vehicle. 4,813,513, 3-21-89, Cl. 180-291.000.

Lesan, Bret: *See—*

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Lesan, Fredrick K.: *See—*

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Lesar, Nick J., to Weiler & Co. Discharge auger for a hopper or the like. 4,823,936, 4-25-89, Cl. 198-550.100.

Lesar, Nick J.; Buschel, Richard; and Schumacher, James H., to Weiler & Co. Sampling mechanism for a meat mixing machine. 4,844,619, 7-4-89, Cl. 366-133.000.

LesCamela, David A.: *See—*

Lulko, Allen R.; and LesCamela, David A., 4,820,198, Cl. 439-595.000.

Lescarden Ltd.: *See—*

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Lescha Maschinenfabrik GmbH & Co. KG: *See—*

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Schmid, Dieter, 4,851,699, Cl. 250-223.00B.

Leschke, Harald; Baumert, Heinz; and Kneib, Rudi, to Daimler-Benz Aktiengesellschaft. Rear cover including warning device for a motor vehicle. 4,821,668, 4-18-89, Cl. 116-28.00R.

Leschke, Rudolph J.: *See—*

Fazzolare, Richard D.; Szwerc, Joseph A.; van Lengerich, Bernhard; and Leschke, Rudolph J., 4,834,996, Cl. 426-302.000.

Leschot, Georges-Andre , to Aldo Orlandi, a part interest. Device for supporting an installation vertically displaceable alongside a profile. 4,850,558, 7-25-89, Cl. 248-297.100.

Lesco Development: *See—*

Cooper, Edward, 4,795,959, Cl. 323-308.000.

Lescourret, Jean-Louis, to Crouzet. Method and means for measuring the frequency of a periodic signal. 4,866,260, 9-12-89, Cl. 324-78.00R.

Lescrenier, Charles: *See—*

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Leseman, Steven R.; Monteagudo, Agatona D.; and Wu, Maan-Shii S., to Minnesota Mining and Manufacturing Company. Embossed tape for closure system. 4,817,816, 4-4-89, Cl. 220-359.000.

LeShane, Jeffrey S.; Routsis, Kostas; and Watson, Charles R., to United Technologies Corporation. Fatigue strengthened composite article. 4,815,940, 3-28-89, Cl. 416-241.00A.

Leshchiner, Adolf; Larsen, Nancy E.; Balazs, Endre A.; and Hilal, Sadek K., to Biomatrix, Inc. Compositions for therapeutic percutaneous embolization and the use thereof. 4,795,741, 1-3-89, Cl. 514-21.000.

Lesher, George Y., to Sterling Drug Inc. Tricyclic-pyridinylquinoline compounds, their preparation and use. 4,839,355, 6-13-89, Cl. 514-224.500.

Lesher, H. Daniel; Kennedy, Christopher R.; White, Danny R.; and Urquhart, Andrew W., to Lanxide Technology Company, LP. Method of making ceramic composites. 4,847,220, 7-11-89, Cl. 501-89.000.

Lesher, H. Daniel: *See—*

Newkirk, Marc S.; and Lesher, H. Daniel, 4,822,759, Cl. 501-127.000.

Newkirk, Marc S.; Urquhart, Andrew W.; and Lesher, H. Daniel, 4,828,785, Cl. 264-59.000.

Newkirk, Marc S.; and Lesher, H. Daniel, 4,832,892, Cl. 264-109.000.

Newkirk, Marc S.; Urquhart, Andrew W.; Zwicker, Harry R.; and Lesher, H. Daniel, 4,851,375, Cl. 501-88.000.

Lesher, Joseph J.: *See—*

Hillard, Randy H.; Draney, Robert G.; and Lesher, Joseph J., 4,861,195, Cl. 405-180.000.

Lesher, Larry E.: *See—*

Ownby, Clifford H.; and Lesher, Larry E., 4,881,710, Cl. 248-311.200.

Leshner, Michael D., to Sonex Research, Inc. Adaptive charge mixture control system for internal combustion engine. 4,827,887, 5-9-89, Cl. 123-493.000.

Lesho, Jeffery C.; and Hogrefe, Arthur F., to Johns Hopkins University, The. Ingestible size continuously transmitting temperature monitoring pill. 4,844,076, 7-4-89, Cl. 128-631.000.

Lesieur, Frederic. Process for gold foil stamping in relief. 4,867,827, 9-19-89, Cl. 156-241.000.

Lesikar, Fred C. Waterfall producing unit for use in swimming pools. 4,881,280, 11-21-89, Cl. 4-507.000.

Lesk, Israel A.; Thomas, Ronald E.; and Hawkins, George W., to Motorola, Inc. Semiconductor die for plastic encapsulation having an adhesion promoter. 4,832,996, 5-23-89, Cl. 428-76.000.

Lesk, Israel A.; and Clark, Lowell E., to Motorola Inc. Method of making bipolar semiconductor device having a conductive recombination layer. 4,837,177, 6-6-89, Cl. 437-31.000.

Lesk, Israel A.; and Clark, Lowell E., to Motorola Inc. Bipolar semiconductor device having a conductive recombination layer. 4,881,115, 11-14-89, Cl. 357-64.000.

Lesko, Alan J., to Hewlett-Packard Company. Programmable time advance. 4,876,702, 10-24-89, Cl. 375-120.000.

Lesley, Arthur M.; and Jaron, William, to Hughes Aircraft Company. Thermal stress screening system. 4,854,726, 8-8-89, Cl. 374-45.000.

Lesley, Bascum G., to Milliken Research Corporation. Footwear. 4,813,161, 3-21-89, Cl. 36-44.000.

Leslie, Bruce E.; Shadle, Paul N.; and Wolf, Herman C., to Thaxton, Inc. Pressure seal stud hole plug unit. 4,820,474, 4-11-89, Cl. 376-203.000.

Leslie Controls, Inc.: *See—*

Anderson, John C.; and Davies, Morris J., 4,851,666, Cl. 250-231.00R.

Leslie, Ian M.; Burren, John W.; Pitura, Henry; Tennenhouse, David L.; and Adams, Christopher J. Variable data rate channel for digital network. 4,805,167, 2-14-89, Cl. 370-84.000.

Leslie, Michael D., to Chrysler Motors Corporation. Apparatus for automated assembly of a harness retainer stud. 4,853,075, 8-1-89, Cl. 156-584.000.

Leslie, Samuel A.: *See—*

Bendixen, Arne B.; Bowen, William A.; Evans, Michael W.; Hurley, John J.; and Leslie, Samuel A., 4,890,315, Cl. 379-59.000.

Leslie, Stewart T.; Malkowska, Sandra T. A.; Marchant, Joanne; and Neale, Philip J., to Euroceltique, S.A. Spheroids. 4,844,910, 7-4-89, Cl. 424-494.000.

Leslic, Stewart T.: *See—*

Curtis-Prior, Peter B.; Leslie, Stewart T.; Miller, Ronald B.; and Shill, Alison L., 4,795,761, Cl. 514-652.000.

Curtis-Prior, Peter B.; Leslie, Stewart T.; Miller, Ronald B.; and Shill, Alison L., 4,804,674, Cl. 514-400.000.

Elger, Gordon; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,834,985, Cl. 424-488.000.

Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,828,836, Cl. 424-419.000.

Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,844,907, Cl. 424-465.000.

Goldie, Robert S.; Malkowska, Sandra T. A.; Leslie, Stewart T.; and Miller, Ronald B., 4,834,984, Cl. 424-488.000.

Goldie, Robert S.; Malkowska, Sandra T. A.; Leslie, Stewart T.; and Miller, Ronald B., 4,844,909, Cl. 424-480.000.

Heafield, Joanne; Leslie, Stewart T.; Malkowska, Sandra T. A.; and Neale, Philip J., 4,867,985, Cl. 424-461.000.

Leslie, Thomas M.; Yoon, Hyun-Nam; DeMartino, Ronald N.; and Stamatoff, James B., to Hoechst Celanese Corp. Side chain liquid crystalline polymeric media exhibiting third order nonlinear optical response. 4,796,976, 1-10-89, Cl. 350-330.000.

Leslie, Thomas M., to Hoechst Celanese Corp. Organopolysiloxanes exhibiting nonlinear optical response. 4,801,659, 1-31-89, Cl. 525-479.000.

Leslie, Thomas M., to Hoechst Celanese Corp. Polymer blends exhibiting nonlinear optical response. 4,807,968, 2-28-89, Cl. 350-311.000.

Leslie, Thomas M., to Hoechst Celanese Corp. Organopolysiloxanes exhibiting nonlinear response. 4,855,078, 8-8-89, Cl. 252-582.000.

Leslie, Thomas M.; and Khanarian, Garo, to Hoechst Celanese Corp. Microdisperse polymer/liquid crystal composite. 4,869,847, 9-26-89, Cl. 252-299.010.

Leslie, Thomas M.; Yoon, Hyun N.; DeMartino, Ronald N.; and Stamatoff, James B., to Hoechst Celanese Corporation. Side chain liquid crystalline polymeric media exhibiting third order nonlinear optical response. 4,882,402, 11-21-89, Cl. 526-243.000.

Leslie, Thomas M., to Hoechst Celanese Corporation. Organopolysiloxanes exhibiting nonlinear response. 4,887,889, 12-19-89, Cl. 350-311.000.

Leslie, Thomas M.: *See—*

Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,814,211, Cl. 428-1.000.

Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,828,888, Cl. 428-1.000.

Gillberg-LaForce, Gunilla E.; Leslie, Thomas M.; Che, Tessie M.; and Borzo, Marie, 4,885,113, Cl. 252-582.000.

Yoon, Hyun-Nam; Leslie, Thomas M.; and DeMartino, Ronald N., 4,867,538, Cl. 350-350.00R.

Lesmerises, Normand: *See—*

Delvaux, Pierre; and Lesmerises, Normand, 4,812,204, Cl. 162-3.000.

Lesniak, John M.; Boardman, Franklin; Koci, Wayne G.; and McCann, James E., to Johnson & Johnson. Immobilizing particulate absorbents by conversion to hydrates. 4,826,880, 5-2-89, Cl. 521-53.000.

Lesniak, John M.: *See—*

Boardman, Franklin; and Lesniak, John M., 4,808,637, Cl. 521-50.500.

Lesniesky, Matthew W.: *See—*

Rodriguez, Rodolfo R.; Lesniesky, Matthew W.; Galanaugh, Charles F.; Levine, Robert A.; Wardlaw, Stephen C.; and Jurachek, Theodore, 4,823,624, Cl. 73-865.900.

Lespagnol, Albert; Quinquis, Jean-Paul; and Kerberenes, Jacques. Apparatus for reconstructing and multiplexing frames of various origins made up of a variable number of packets of fixed length. 4,885,744, 12-5-89, Cl. 370-94.000.

Lespagnol, ALbert: *See—*

Quinquis, Jean-Paul; and Lespagnol, ALbert, 4,864,560, Cl. 370-60.000.

L'Esperance, Francis A., Jr., to LRI L.P. Method of laser-sculpture of the optically used portion of the cornea. 4,798,204, 1-17-89, Cl. 128-303.100.

Lesquir, Dominique, to IPL Inc. Device for collecting sap. 4,884,365, 12-5-89, Cl. 47-52.000.

Lesquir, Dominique, to IPL Inc. Device for collecting sap. 4,887,387, 12-19-89, Cl. 47-52.000.

Less Micanik Inc.: *See—*

Lessard, Michel, 4,878,607, Cl. 226-24.000.

Lessar, Joseph F.; Rosenberg, Duane L.; Kraska, Robert E.; Speckien, James M.; and Upton, James E., to Medtronic, Inc. Medical electrical lead and method of manufacture. 4,860,446, 8-29-89, Cl. 29-858.000.

Lessar, Joseph F.: *See—*

Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,807,629, Cl. 128-419.0PG.

Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,813,421, Cl. 128-633.000.

Lessard, Jean, to Solarium Zytco Ltd. Motorized blind assembly. 4,850,414, 7-25-89, Cl. 160-84.100.

Lessard, Michel, to Less Micanik Inc. Apparatus for unreeling a cable. 4,878,607, 11-7-89, Cl. 226-24.000.

Lessard, Philip A.: *See—*

Harvell, John T.; and Lessard, Philip A., 4,860,546, Cl. 62-55.500.

Lessard, Raymond: *See—*

Simard, Julien; Lessard, Raymond; and Belanger, Yves, 4,806,925, Cl. 340-815.250.

Lessard, William W.: *See—*

Levene, Martin M.; and Lessard, William W., 4,852,439, Cl. 83-19.000.

Lesse, Hakan, to AB Tetra Pak. Reel for registry of a material web provided with crease lines. 4,838,468, 6-13-89, Cl. 226-76.000.

Lesser, Jary M. Simulated connective tissue for construction of models and prostheses. 4,832,978, 5-23-89, Cl. 427-2.000.

Lessie, Stephen L., to Carrier Corporation. Scroll machine with anti-rotation mechanism. 4,795,323, 1-3-89, Cl. 418-55.000.

Lessig, William R., III, to Black & Decker Inc. Tachometer generator. 4,853,575, 8-1-89, Cl. 310-171.000.

Lessig, William R., III: *See—*

Elson, Donald E.; Gerke, Burton E., Jr.; Bitzel, Michael E.; Wilder, Bruce A.; Rodowsky, Stanley J., Jr.; Lessig, William R., III; Adams, Jeffrey S.; and Hagan, Todd A., 4,841,594, Cl. 15-344.000.

Lessin, Arlen R.; Gruppuso, Frank M.; and Harrison, Shelley A., to SmartCard International Inc. Intelligent portable interactive personal data system. 4,868,376, 9-19-89, Cl. 235-492.000.

Lessmann, Gerald G.: *See—*

arcella, Frank G.; and Lessmann, Gerald G., 4,818,562, Cl. 427-53.100.

Burke, Michael A.; and Lessmann, Gerald G., 4,803,334, Cl. 219-121.640.

Lessoff, Howard; and Greene, Richard F., to United States of America, Navy. Method for growing patterned thin films of superconductors. 4,843,060, 6-27-89, Cl. 505-1.000.

Lester, Donald H., Jr.: *See—*

Steiner, Thomas L.; Minnick, Dana T.; Domeshek, Kenneth A.; and Lester, Donald H., Jr., 4,888,420, Cl. 536-64.000.

Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., to General Electric Company. Electronically commutated motor driven apparatus including an impeller in a housing driven by a stator on the housing. 4,876,492, 10-24-89, Cl. 318-254.000.

Lester, James M.: *See—*

Benedict, Becky A.; Lester, James M.; and Linenberger, Delvern D., 4,825,667, Cl. 62-51.200.

Lester, Joseph E.; and Folweiler, Robert C., to GTE Laboratories Incorporated. Method for dehydrating hydrogen fluoride. 4,832,935, 5-23-89, Cl. 423-483.000.

Lester, Robert A.: *See—*

Attali, George; Birchak, James R.; and Lester, Robert A., 4,805,156, Cl. 367-35.000.

Leszczynski, Tomasz, to Toles Group, The. Computerized typesetting correction system. 4,833,627, 5-23-89, Cl. 364-523.000.

Letac, Brice: *See—*

Wolff, Rodney G.; Dance, Creg W.; Letac, Brice; and Cribier, Alain, 4,830,003, Cl. 128-343.000.

L'Etat Francais represente par le Delegue General pour l'Armement: *See—*

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L'Etat Francais represente par le Ministre des PTT: *See—*

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L'Etat Francais represente par le Ministre des Ptt (CNET): *See—*

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L'Etat Francais, represente par le Secretaire d'Etat aux Postes et Telecommunications (Centre des Telecommunications): *See—*

Coatrieux, Jean-Yvon; Cheminel, Daniel; and Thepaut, Bernard, 4,870,640, Cl. 370-60.000.

Letco Management Company, Inc.: *See—*

Hausler, Jeffery P.; Baria, Paul C.; Majek, Alfred; and Moore, Jeffrey B., 4,859,834 Cl. 219-497.000.

Letemps, Bernard; Petitcollin, Jean-Mark; Perin, Francis; Prouveur, Herve; and Lissillour, Jean, to Saint-Gobain Vitrage. Device for forming glass. 4,813,993, 3-21-89, Cl. 65-273.000.

Letemps, Bernard; and Gonzalez-Blasquez, Ignacio, to Saint-Gobain Vitrage. Bending and tempering of glass plates advancing on a shaping bed curved in the direction of advance. 4,820,327, 4-11-89, Cl. 65-104.000.

Letemps, Bernard; Huchet, Gerard; and Leclercq, Jacques, to Saint-Gobain Vitrage. Electric power supply terminal for encapsulated glazing. 4,878,850, 11-7-89, Cl. 439-83.000.

Letemps, Bernard: *See—*

Blasquez-Gonzales, Ignacio; Blanchard, Rene; Letemps, Bernard; Mathivat, Denis; and Boutier, Philippe, 4,838,920, Cl. 65-104.000.

Leterme, Dominique: *See—*

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Leteron Mfg. Co.: *See—*

Anderson, J. Becher; and de Gelder, Jacob, 4,823,953, Cl. 206-408.000.

Lethiais, Jean C., to Regie Nationale des Usines Renault. Automatic compressed air economizer device intended to be mounted on a pneumatic comparator. 4,794,786, 1-3-89, Cl. 73-37.900.

Letinski, John S.; and Gillberg-LaForce, Gunilla E., to Hoechst Celanese Corp. Moldable polybenzimidazole filaments and process for producing molded and foamed products from these filaments. 4,810,730, 3-7-89, Cl. 521-184.000.

Le Tixerant, Eric. Arrangement for setting back the seat of an equestrian saddle and a damping device adapted to be fitted to said arrangement. 4,800,709, 1-31-89, Cl. 54-44.000.

Letize, Raymond A.: *See—*

Larson, Gary B.; Williams, Ann S.; and Letize, Raymond A., 4,806,200, Cl. 156-652.000.

Letizia, Richard: *See—*

Croucher, Meredith W., Jr.; Fisher, James M.; Letizia, Richard; Lutz, LeRoy A.; Makowski, Ralph F.; Moyse, Richard L.; Osgood, Richard W.; Rave, John N.; Wickwire, Ward A.; and Zillmer, James F., 4,863,303, Cl. 403-11.000.

Letoffe, Michel; and Barrandon, Georges, to Rhone-Poulenc Chimie. Organopolysiloxanes containing cure accelerators. 4,797,462, 1-10-89, Cl. 528-12.000.

Letoffe, Michel; and Peccoux, Pierre-Michel, to Rhone-Poulenc Chimie. Preparation of terminally alkoxylated diorganopolysiloxanes. 4,824,924, 4-25-89, Cl. 528-21.000.

Le Touche, Roger A. L., to Aerospatiale Societe Nationale Industrielle. Heatshield material. 4,814,371, 3-21-89, Cl. 524-405.000.

LeTourneau, Michael E.; McCarthy, James R.; and Trepanier, Donald L., to Merrell Dow Pharmaceuticals Inc. Novel aryloxycycloalkanolaminoalkylene aryl ketones. 4,868,315, 9-19-89, Cl. 549-51.000.

Letournel, Gilles J. M.: *See—*

Amiot, Jacques H. J.; Fourny, Jacky R. P.; Letournel, Gilles J. M.; and Parise, Vital A., 4,852,814, Cl. 241-37.500.

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Lett, Roland, to Schlumberger Industries, S.A. Tranquillizer device for requlating the flow profile of fluid. 4,821,768, 4-18-89, Cl. 137-551.000.

Lettenbauer, Gustav: *See—*

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Letton, Alan: *See—*

Priddy, Duane B.; and Letton, Alan, 4,812,530, Cl. 525-409.000.

Letton, James C.: *See—*

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Leturno, David B.: *See—*

Larson, Nils E.; Leturno, David B.; and Cherne, Lawrence W., 4,857,592, Cl. 219-74.000.

Letwin, James, to Microsoft Corporation. Method and operating system for executing programs in a multi-mode microprocessor. 4,825,358, 4-25-89, Cl. 364-200.000.

Le Tyrant, Claude. Device for moving samples in a controlled atmosphere enclosure. 4,817,449, 4-4-89, Cl. 73-866.500.

Leu, James M. Fireplace tool. 4,889,375, 12-26-89, Cl. 294-10.000.

Leu, Lori A.: *See—*

Baker, Brian K.; Hwan, Rei-Nan R.; and Leu, Lori A., 4,827,772, Cl. 73-716.000.

Leuchte, Michael: *See—*

Dorner, Wolfgang; Leuchte, Michael; and Brockel, Klaus, 4,817,738, Cl. 173-162.100.

Leuchten, William E.; and Kretow, Robert P., to Essex Specialty Products, Inc. Honeycomb reinforcing sheet for the reinforcement of panels and method of reinforcing panels. 4,803,108, 2-7-89, Cl. 428-118.000.

- Leuchtenberger, Wolfgang: *See—*
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  - Kleemann, Axel; Klostermann, Kurt; Leuchtenberger, Wolfgang; Moerck, Rudi E.; and Karrenbauer, Michael, 4,827,029, Cl. 562-559.000.
  - Kula, Maria-Regina; Hummel, Werner; Schutte, Horst; and Leuchtenberger, Wolfgang, 4,877,734, Cl. 435-228.000.
- Leuenberger, Hans: *See—*
  - Buchmann, Stephan; Leuenberger, Hans; and Reinke, Claudia, 4,812,407, Cl. 435-291.000.
- Leuerer, Dietrich R. K.: *See—*
  - Bayerlein, Friedrich K.; Leuerer, Dietrich R. K.; and Rindfleisch, Karl H., 4,812,842, Cl. 340-825.720.
- Leufert, Walter P.; and Miller, David L., to AMP Incorporated. Cable jacket strain relief adapter assembly. 4,840,581, 6-20-89, Cl. 439-472.000.
- Leukel, Gabriele: *See—*
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  - Mormann, Werner; and Leukel, Gabriele, 4,886,902, Cl. 560-106.000.
- Leumi, Dov A. Trash receptacle mounted for rotation. 4,860,909, 8-29-89, Cl. 220-1.00T.
- Leuner, Hilmar: *See—*
  - Dobhan, Herbert; Schemmel, Bruno; Leuner, Hilmar; and Hahn, Walter, 4,795,280, Cl. 384-539.000.
- Leung, Chi H.: *See—*
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- Leung, Chung W.: *See—*
  - Chen, Min-Liang; Leung, Chung W.; Lu, Chih-Yuan; and Tsai, Nun-Sian, 4,886,765, Cl. 437-200.000.
- Leung, Cissy: *See—*
  - Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilya; and Maydan, Dan, 4,872,947, Cl. 156-643.000.
- Leung, David W.: *See—*
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- Leung, Frederick C.: *See—*
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- Leung, Howard K. H.: *See—*
  - Barden, John M.; and Leung, Howard K. H., 4,889,492, Cl. 437-15.000.
- Leung, John G.: *See—*
  - Herschitz, Roman; Demarest, Scott T.; Chu, Stephen H.; and Leung, John G., 4,849,600, Cl. 219-110.000.
- Leung, Ka-Ngo; Gordon, Keith C.; Kippenham, Dean O.; Purgalis, Peter; Moussa, David; Williams, Malcom D.; Wilde, Stephen B.; and West, Mark W., to United States of America, Energy. Large area directly heated lanthanum hexaboride cathode structure having predetermined emission profile. 4,795,940, 1-3-89, Cl. 313-346.00R.
- Leung, Kam H.; and Rinchart, John J., to Du Pont de Nemours, E. I., and Company. Process for preparing lymphokine activated killer cells. 4,849,329, 7-18-89, Cl. 435-2.000.
- Leung, Kang M.: *See—*
  - Murphy-Chutorian, Douglas R.; Mok, Walter Y. W.; and Leung, Kang M., 4,832,023, Cl. 128-303.100.
- Leung, Kit-Lun: *See—*
  - Rizzuto, Leandro P.; Leung, Kit-Lun; and Lo, Hou-On, 4,870,250, Cl. 219-225.000.
- Leung, Linus; and Rogan, John B., to Amoco Corporation. Process to terminate an olefin polymerization reaction. 4,883,847, 11-28-89, Cl. 526-84.000.
- Leung, Pak S.; Goddard, Errol D.; and Ancker, Fred H., to Union Carbide Corporation. Process for processing thermoplastic polymers. 4,857,593, 8-15-89, Cl. 525-92.000.
- Leung, Pak T., to Uniroyal Plastics Company, Inc. Polyurethane adhesive thermoforming lamination process employing water-based. 4,853,061, 8-1-89, Cl. 156-216.000.
- Leung, Patrick N.: *See—*
  - Loewenthal, Werner; Leung, Patrick N.; and Wong, Yuen W., 4,796,202, Cl. 364-519.000.
- Leung, Paul C. P.: *See—*
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- Leung, Peter K.: *See—*
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- Leung, Peter L. H.: *See—*
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- Leung, See C.: *See—*
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- Leung, Wai C.: *See—*
  - Juliana, Anthony; Leung, Wai C.; Pan, Victor T.; Rosen, Hal J.; and Strand, Timothy C., 4,873,430, Cl. 250-225.000.
- Leupold, Ernst I.: *See—*
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- Leupold, Gerald: *See—*
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- Leupold, Herbert A., to United States of America, Army. Local preservation of infinite, uniform magnetization field configuration under source truncation. 4,810,986, 3-7-89, Cl. 335-301.000.
- Leupold, Herbert A.; and Tauber, Arthur, to United States of America, Army. Optimal periodic permanent magnet structure for electron beam focusing tubes. 4,829,276, 5-9-89, Cl. 335-306.000.
- Leupold, Herbert A.; and Potenziani, Ernest, II, to United States of America, Army. Periodic permanent magnet structures. 4,831,351, 5-16-89, Cl. 335-306.000.
- Leupold, Herbert A., to United States of America, Army. Periodic permanent magnet structures. 4,835,137, 5-30-89, Cl. 505-1.000.
- Leupold, Herbert A., to United States of America, Army. Hollow substantially hemispherical permanent magnet high-field flux source. 4,835,506, 5-30-89, Cl. 335-306.000.
- Leupold, Herbert A., to United States of America, Army. Hollow substantially hemispherical permanent magnet high-field flux source for producing a uniform high field. 4,837,542, 6-6-89, Cl. 335-306.000.
- Leupold, Herbert A., to United States of America, Army. Clad magic ring wigglers. 4,839,059, 6-13-89, Cl. 210-335.000.
- Leupold, Herbert A., to United States of America, Army. Superconducting shielded PYX PPM stacks. 4,859,973, 8-22-89, Cl. 335-216.000.
- Leupold, Herbert A., to United States of America, Army. Periodic permanent magnet structures. 4,859,976, 8-22-89, Cl. 335-306.000.
- Leupold, Herbert A., to United States of America, Army. High-field permanent-magnet structures. 4,861,752, 8-29-89, Cl. 505-1.000.
- Leupold, Herbert A., to United States of America, Army. Superconducting shielded PYX PPM stacks. 4,862,126, 8-29-89, Cl. 335-216.000.
- Leupold, Herbert A., to United States of America, Army. Field adjustable transverse flux sources. 4,862,128, 8-29-89, Cl. 335-306.000.
- Leupold, Herbert A., to United States of America, Army. Periodic permanent magnet structures. 4,887,058, 12-12-89, Cl. 335-216.000.
- Leupold, Herbert A.: *See—*
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- Leurer, Erwin, to FAG Kugelfischer Georg Schafer (KGaA). Method and apparatus for monitoring the tensile force on a thread. 4,841,784, 6-27-89, Cl. 73-862.480.
- Leurer, Erwin: *See—*
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- Leuschner, Alfred P.: *See—*
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- Leuschner, Rainer: *See—*
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- Leuthold, Karl; Maul, Herbert; Troger, Walter; and Serester, Alexander, to GAO Gesellschaft fur Automation und Organisation mbH. Apparatus for destroying banknotes. 4,878,626, 11-7-89, Cl. 241-57.000.
- Leuthold, Oskar N.; and Check, Steven G., to Hughes Aircraft Company. Loop filter for frequency multiplying phase locked loop. 4,829,268, 5-9-89, Cl. 331-17.000.
- Leuthold, Oskar N.; and Mulligan, James H., Jr., to Hughes Aircraft Company. Signal source for use with an LC tank circuit. 4,833,427, 5-23-89, Cl. 331-165.000.
- Leutholt, Robert M.; and Bettis, Brian K., to Eye Mask, Inc. Protective headgear. 4,847,921, 7-18-89, Cl. 2-425.000.
- Leutner, Bernd; and Reich, Hans H., to BASF Aktiengesellschaft. Preparation of pure boron trifluoride. 4,830,842, 5-16-89, Cl. 423-293.000.
- Leutner, Bernd: *See—*
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  - Schlaefer, Dieter; Kochanek, Wolfgang; and Leutner, Bernd, 4,837,002, Cl. 423-641.000.
- Leutner, Klaus: *See—*
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- LEV Advanced Detection Systems Ltd.: *See—*
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  - Eshel, Uzi; and Lev, Avigdor, 4,823,812, Cl. 128-804.000.
- Lev, Lavi A., to National Semiconductor Corp. Programmable sense amplifier for read only memory. 4,821,239, 4-11-89, Cl. 365-205.000.
- Lev, Monick: *See—*
  - Frankstein, Boris; and Lev, Monick, 4,816,277, Cl. 426-482.000.

- Lev, Valy: *See—*
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- Leva, Max. Packing support for gas - liquid contact towers. 4,814,117, 3-21-89, Cl. 261-94.000.
- Leva, Max. Contact tower and method of assembly. 4,876,037, 10-24-89, Cl. 261-113.000.
- Levacher, Friedrich K.: *See—*
  - Federmann, Helmut; Levacher, Friedrich K.; and Noack, Georg, 4,840,452, Cl. 350-96.230.
  - Starke, J. Peter; Levacher, Friedrich K.; and Federmann, Helmut, 4,840,480, Cl. 356-32.000.
- Levan, Chris D., to Amoco Corporation. Method of producing carbon fibers by overwrappings tows. 4,861,575, 8-29-89, Cl. 423-447.200.
- LeVan, Marian D., to Du Pont de Nemours, E. I., and Company. Bonded polyester fiberfill batts. 4,869,771, 9-26-89, Cl. 156-289.000.
- Levander, Kai, to Oy Wartsila Ab. Passenger ship. 4,838,190, 6-13-89, Cl. 114-56.000.
- Le Van Mao, Raymond; McLaughlin, Gerald P.; Levesque, Pierre; and Dunnigan, Jacques. Method for enhancing water retention in soil. 4,810,280, 3-7-89, Cl. 71-62.000.
- Le Van Mao, Raymond; and Nguyen, Thanh M., to Concordia University. Superacidic catalysts for low temperature conversion of aqueous ethanol to ethylene. 4,847,223, 7-11-89, Cl. 502-62.000.
- Le Van Mao, Raymond, to Concordia University. Catalytic conversion of aqueous ethanol to ethylene. 4,873,392, 10-10-89, Cl. 585-640.000.
- Levanon, Avigdor: *See—*
  - Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Elisha; and Zeevi, Menachem, 4,831,120, Cl. 530-399.000.
  - Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Pinhas E.; and Zeevi, Menachem, 4,871,835, Cl. 530-399.000.
- Levasseur, Daniel; and Poggi, Paul. Sliding package incorporating at least one retractable panel. 4,848,582, 7-18-89, Cl. 206-534.200.
- Levasseur, Joseph L., to Coin Acceptors, Inc. Coin changer payout means. 4,834,689, 5-30-89, Cl. 453-21.000.
- Levasseur, Joseph L., to Coin Acceptors, Inc. Coin diverting assembly. 4,838,406, 6-13-89, Cl. 194-346.000.
- LeVasseur, Rodney J.: *See—*
  - Rust, Jeffrey J.; LeVasseur, Rodney J.; Meilach, Alan; Beech, Brian; Wetzel, Richard M.; and Freudenheim, Eric J., 4,825,054, Cl. 235-380.000.
- Levavi, Shmuel. Human powered vehicles and mechanisms particularly useful therein. 4,875,699, 10-24-89, Cl. 280-236.000.
- Leveen, Eric G.; and Leveen, Robert F. Internal vascular prosthesis. 4,820,298, 4-11-89, Cl. 623-1.000.
- LeVeen, Eric G.: *See—*
  - LeVeen, Harry H.; Leveen, Robert F.; and LeVeen, Eric G., 4,837,017, Cl. 424-88.000.
  - Leveen, Harry H.; Leveen, Robert F.; and Leveen, Eric G., 4,840,939, Cl. 514-25.000.
  - LeVeen, Harry H.; Leveen, Eric G.; and Leveen, Robert F., 4,883,587, Cl. 210-94.000.
- Leveen, Harry H.; and Kahler, William, to Tek-Aids Inc. Peristaltic pump. 4,813,855, 3-21-89, Cl. 417-477.000.
- LeVeen, Harry H.; Leveen, Robert F.; and LeVeen, Eric G. Urease antigen product and process. 4,837,017, 6-6-89, Cl. 424-88.000.
- Leveen, Harry H.; Leveen, Robert F.; and Leveen, Eric G. Treatment of cancer with phlorizin and its derivatives. 4,840,939, 6-20-89, Cl. 514-25.000.
- LeVeen, Harry H.; Leveen, Eric G.; and Leveen, Robert F. Polyurethane iodine sponge swimming pool filter. 4,883,587, 11-28-89, Cl. 210-94.000.
- Leveen, Robert F.: *See—*
  - Leveen, Eric G.; and Leveen, Robert F., 4,820,298, Cl. 623-1.000.
  - LeVeen, Harry H.; Leveen, Robert F.; and LeVeen, Eric G., 4,837,017, Cl. 424-88.000.
  - Leveen, Harry H.; Leveen, Robert F.; and Leveen, Eric G., 4,840,939, Cl. 514-25.000.
  - LeVeen, Harry H.; Leveen, Eric G.; and Leveen, Robert F., 4,883,587, Cl. 210-94.000.
- Level Construction Company (Proprietary) Limited: *See—*
  - de Jong, Jan; and van Wyk, Johan, 4,805,371, Cl. 52-745.000.
- Level 1 Technologies: *See—*
  - Verkaart, Wesley H., 4,878,537, Cl. 165-156.000.
- Leven, Margret: *See—*
  - Siegel, Herbert; Kampe, Klaus-Dieter; Alpermann, Hans G.; Gerhards, Hermann J.; Usinger, Patricia; Schacht, Ulrich; Leven, Margret; Raether, Wolfgang; Dittmar, Walter; and Sachse, Burkhard, 4,876,354, Cl. 548-341.000.
- Levenberg, Nat. Metal forming methods and products formed thereby. 4,852,379, 8-1-89, Cl. 72-384.000.
- Levene, Martin M.; and Lessard, William W. Vacuum die cutting method and apparatus. 4,852,439, 8-1-89, Cl. 83-19.000.
- Levene, Simha; and Inbar, Dan, to Elscint Ltd. Mammographic biopsy needle holder system. 4,821,727, 4-18-89, Cl. 128-653.000.
- Levenson, Corey H.; and Mullis, Kary B., to Cetus Corporation. Carbamic acid ester useful for preparing a nucleic acid probe. 4,803,297, 2-7-89, Cl. 560-159.000.
- Leventis, Chris; and Pollard, Brian J., to Case Group P.l.c. Power supply control systems. 4,866,295, 9-12-89, Cl. 307-43.000.
- Leveque, Denis J., to Eaton Corporation. Circuit board and sensing coil positioning system for proximity sensor. 4,875,009, 10-17-89, Cl. 324-208.000.
- Leveque, James H.; Williams, Frederick A.; and Eldon, John, to AMAF Industries, Inc.; and TRW, Inc. Processor based linked compressor-expander telecommunications system. 4,839,906, 6-13-89, Cl. 375-37.000.
- Leveque, James H., to AMAF Industries, Inc. Trunk dialing converter. 4,868,861, 9-19-89, Cl. 379-58.000.
- Leveque, Jean L.: *See—*
  - Philippe, Michel; Sebag, Henri; Leger, Didier S.; and Leveque, Jean L., 4,857,525, Cl. 514-227.500.
- Leveque, Jean-Luc: *See—*
  - Yassine, Mohamed M.; Querleux, Bernard; Darrasse, Luc; Saint Jalmes, Herve ; Taquin, Jacques; Sauzade, Michel; and Leveque, Jean-Luc, 4,870,363, Cl. 324-318.000.
- Leveque, Robert: *See—*
  - Terrasse, Joseph J.; Seux, Michel; and Leveque, Robert, 4,823,451, Cl. 29-129.500.
- Lever Brothers Company: *See—*
  - Adams, Michael J.; and Edmondson, Brian, 4,822,273, Cl. 425-385.000.
  - Appel, Peter W.; Bortolotti, Fabrizio; Delwel, Francois; Hornung, Fredrik; Tomlinson, Alan D.; and Willemse, Simon, 4,824,593, Cl. 252-127.000.
  - Aronson, Michael; Lock, Michele R.; and Santos, Edward, 4,863,632, Cl. 252-186.350.
  - Barby, Donald; and Haq, Zia, 4,797,310, Cl. 428-71.000.
  - Blackburn, Stephen N.; Delwel, Francois; and Evans, Elfed H., 4,826,632, Cl. 252-550.000.
  - Bodor, Janos; van Heteren, Jan; Willemse, Henricus W.; and Vermaas, Leo F., 4,840,810, Cl. 426-312.000.
  - Bowser, Paul A.; and White, Richard J., 4,824,865, Cl. 514-558.000.
  - Callingham, Martin; Chaudhuri, Dwaipayan; Curry, Kenneth V.; Pike, Barry G.; and Taylor, Michael B., 4,822,596, Cl. 424-46.000.
  - Castenmiller, Wilhelmus A. M.; Chesters, Allan K.; and Ernsting, Peter B., 4,874,626, Cl. 426-564.000.
  - Cornelissen, Johannes M.; Klugkist, Jan; Lagerwaard, Cornelis A.; Swarthoff, Ton; Thom, David; and Thom, David, 4,861,509, Cl. 252-174.120.
  - Corring, Robert, 4,836,948, Cl. 252-99.000.
  - de Jong, Hendrik E.; Swarthoff, Ton; and Haverkamp, Johan, 4,824,599, Cl. 252-174.120.
  - Doornbos, Tamme S. M.; Haring, Petrus; and Van Der Heijden, Arnoldus, 4,889,736, Cl. 426-536.000.
  - Duckworth, Ralph M.; and Murray, Andrew M., 4,837,007, Cl. 424-52.000.
  - Elliott, David L.; and Kiefer, Laura A., 4,867,896, Cl. 252-94.000.
  - Ernsting, Peter B., 4,883,681, Cl. 426-573.000.
  - Evans, Elfed H.; and Knight, Peter C., 4,818,424, Cl. 252-91.000.
  - Evans, Elfed H.; and Knight, Peter C., 4,820,441, Cl. 252-174.180.
  - Gabriel, Robert; Aronson, Michael P.; and Steyn, Peter L., 4,877,544, Cl. 252-99.000.
  - Gibson, Walter T., 4,871,839, Cl. 536-55.100.
  - Halling, Peter J.; and Macrae, Alasdair R., 4,863,860, Cl. 435-134.000.
  - Haring, Petrus G., 4,820,541, Cl. 426-586.000.
  - Hendriks, Albertus G., 4,830,581, Cl. 417-252.000.
  - Hollingsworth, Michael W.; and Russell, Peter J., 4,861,503, Cl. 252-135.000.
  - Holscher, Ebo J.; and Dijkshoorn, Jacobus, 4,818,553, Cl. 426-549.000.
  - Humphreys, Robert W. R.; and Madison, Stephen A., 4,818,426, Cl. 252-99.000.
  - Iley, William J.; and Yorke, John W., 4,818,292, Cl. 106-210.000.
  - Kenyon, Ian R.; Russell, Peter J.; and Taylor, Thomas, 4,882,074, Cl. 252-8.800.
  - Kopp, Heinz-Peter J.; Lammers, Jannes G.; van der Wolk, Jacob A.; and De Groot, Willibrordus T., 4,857,237, Cl. 260-409.000.
  - Leng, Francis J.; and Leng, Christine A., 4,880,569, Cl. 252-550.000.
  - Macrae, Alasdair R.; and How, Peter, 4,861,716, Cl. 435-134.000.
  - Madison, Stephen A.; Ilardi, Leonora M.; Liberati, Patricia; and Schwarz, Joshua, 4,822,510, Cl. 252-95.000.
  - Mazzola, Louis R., 4,800,037, Cl. 252-109.000.
  - McFadyen, Robert C., 4,799,598, Cl. 215-260.000.
  - Moore, Harry, 4,865,866, Cl. 426-602.000.
  - Nambudiry, Mayara E., 4,863,628, Cl. 252-132.000.
  - Nambudiry, Mayara E. N., 4,812,252, Cl. 252-108.000.
  - Price, Timothy J.; and Smith, Royston R., 4,888,123, Cl. 252-135.000.
  - Rerek, Mark E.; and Aronson, Michael P., 4,824,592, Cl. 252-95.000.
  - Rerek, Mark E.; Aronson, Michael P.; and Sepulveda, Ralph R., 4,828,747, Cl. 252-95.000.
  - Resch, Carol M., 4,832,861, Cl. 252-106.000.
  - Sreenivasan, Baratham; and Simpson, Everton A., 4,849,243, Cl. 426-602.000.
  - Tai, Ho T., 4,885,101, Cl. 252-8.600.
  - Thom, David; Swarthoff, Ton; and Maat, Jan, 4,873,016, Cl. 252-174.120.
  - van Heteren, Jan; and Boder, Janos, 4,844,928, Cl. 426-312.000.
  - Weil, Ira, 4,866,202, Cl. 560-180.000.
  - Weil, Ira, 4,866,203, Cl. 560-180.000.
  - Willemse, Jules M., 4,806,374, Cl. 426-330.600.
- Lever, Gordon; and Yanagawa, Yoshitaka, to Agfa-Gevaert N.V. Method of smoking food. 4,810,510, 3-7-89, Cl. 426-233.000.
- Lever, Gordon, to Alcan International Limited. Preparation of aluminum fluoride from scrap aluminum cell potlinings. 4,816,122, 3-28-89, Cl. 204-182.400.

Lever, O. William, Jr.; and Leighton, Harry J., to Burroughs Wellcome Co. Tricyclic aromatic compounds. 4,871,865, 10-3-89, Cl. 549-354.000.
Lever, O. William, Jr.: *See—*
  Hinkle, Jeffery S.; and Lever, O. William, Jr., 4,843,077, Cl. 514-253.000.
  Kanojia, Ramesh M.; Lever, O. William, Jr.; and Press, Jeffery B., 4,880,817, Cl. 514-309.000.
LeVere, Chester C., Jr. Versatile construction broom holder. 4,882,802, 11-28-89, Cl. 15-144.00R.
Leverenz, Klaus, to Bayer Aktiengesellschaft. Process for the preparation of azo dyestuffs having an aniline-type coupler by aminolysis of the appropriate ether group-containing compounds. 4,810,783, 3-7-89, Cl. 534-588.000.
Leverenz, Klaus, to Bayer Aktiengesellschaft. Nonionic azo compounds in which the coupling component is a 3,4-dialkoxy aniline derivative. 4,835,261, 5-30-89, Cl. 534-788.000.
Leverenz, Steven J., to Deere & Company. System for maximizing machine utilization. 4,803,772, 2-14-89, Cl. 29-568.000.
Leverone, Marianne F.: *See—*
  Boudreaux, Donald P.; Matrozza, Mark A.; and Leverone, Marianne F., 4,874,704, Cl. 435-252.900.
  Matrozza, Mark A.; Leverone, Marianne F.; and Boudreaux, Donald P., 4,880,743, Cl. 435-252.400.
LeVert, Francis E. Continuous fluid level detector. 4,805,454, 2-21-89, Cl. 73-295.000.
Leverte, Robert, to Douglas Leigh Organization, The. Means for adding colors to electric lights. 4,823,245, 4-18-89, Cl. 362-293.000.
Levery, Steven B.: *See—*
  Hakomori, Sen-itiroh; Fukushi, Yasuo; Nudelman, Edward D.; and Levery, Steven B., 4,851,511, Cl. 530-387.000.
Levesque, Adelard, Jr.: *See—*
  Falkmann, Ronald A.; and Levesque, Adelard, Jr., 4,866,980, Cl. 73-117.300.
Levesque, Gaston: *See—*
  MacEachern, Donald C.; and Levesque, Gaston, 4,855,885, Cl. 362-298.000.
Levesque, Guy; Souppe, Jerome; Seris, Jean L.; and Bellenger, Valerie. Process of chemical modfication of protides and the products thus modified. 4,870,016, 9-26-89, Cl. 435-183.000.
Levesque, Kathleen L. Portable table system. 4,832,163, 5-23-89, Cl. 190-11.000.
Levesque, Pierre: *See—*
  Le Van Mao, Raymond; McLaughlin, Gerald P.; Levesque, Pierre; and Dunnigan, Jacques, 4,810,280, Cl. 71-62.000.
Levesque, Thomas A. Fireplace assembly. 4,883,044, 11-28-89, Cl. 126-515.000.
Leveugle, Jean, to Reel S A. Load compensating device for a handling machine and process for carrying out such compensation. 4,886,174, 12-12-89, Cl. 212-149.000.
Levi, Anthony F. J., to American Telephone & Telegraph Company, AT&T Bell Laboratories. Hot electron transistor. 4,829,343, 5-9-89, Cl. 357-4.000.
Levi, Avraham Y.: *See—*
  Goldenberg, Tzvika Y.; and Levi, Avraham Y., 4,805.320, Cl. 36-42.000.
Levi, David W.: *See—*
  Rosty, Roberta; and Levi, David W., 4,835,016, Cl. 427-307.000.
Levi, M. James: *See—*
  Chu, Alexander H. T.; and Levi, M. James, 4,871,866, Cl. 549-414.000.
Levi Strauss & Co.: *See—*
  Blessing, Hubert; and Croyle, Gene F., 4,795,913, Cl. 250-561.000.
  Blessing, Hubert; and Harrington, Richard L., 4,871,161, Cl. 271-10.000.
  Ray, Ted M., 4,833,953, Cl. 83-14.000.
Levi, Yehuda L.: *See—*
  Bodenheimer, Joseph S.; Klein, Itzhak; and Levi, Yehuda L., 4,806,013, Cl. 356-133.000.
Levie, Mark W., to LK Mfg. Skimmer/separation ladle. 4,839,965, 6-20-89, Cl. 30-324.000.
Levillain, Claude, to Commissariat a l'Energie Atomique. Receptacle for extinguishing a burning liquid fuel by isolation. 4,860,832, 8-29-89, Cl. 169-49.000.
Levin, Andrew E. Apparatus for blot screening numerous, small volume, antibody solutions. 4,834,946, 5-30-89, Cl. 422-101.000.
Levin, Arthur L.; Rain, Don W.; and Thomas, David J., to International Business Machines Corporation. Internal performance monitoring by event sampling. 4,821,178, 4-11-89, Cl. 364-200.000.
Levin, Boris M.: *See—*
  Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F.; Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Alexandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov, Mikhail I.; and Seredkin, Vladimir P., 4,827,767, Cl. 73-253.000.
Levin, Daniel: *See—*
  Hardy, Colin; Martin, Tony R.; Czyzewski, Jerzy; and Levin, Daniel, 4,845,285, Cl. 564-97.000.
Levin, Eleanor B. Universal shoe sling. 4,854,056, 8-8-89, Cl. 36-58.500.
Levin, Emma: *See—*
  Bowden, Wade R.; and Levin, Emma, 4,833,439, Cl. 337-68.000.
  Campbell, Winston; Bowden, Wade R., Jr.; and Levin, Emma, 4,865,556, Cl. 439-97.000.
Levin, George B.; Lee, Suh Y.; and Moritz, James H., to Westinghouse Electric Corp. High temperature gas cleaning in municipal solid waste incineration systems. 4,862,813, 9-5-89, Cl. 110-216.000.
Levin, Gideon, to Yeda Research and Development Company Limited. Prevention of plasticizer migration from PVC products. 4,806,393, 2-21-89, Cl. 427-384.000.
Levin, Harry. Process for coating an object with silicon carbide. 4,871,587, 10-3-89, Cl. 427-249.000.
Levin, Horst: *See—*
  Schroth, Volkmar; and Levin, Horst, 4,879,529, Cl. 331-14.000.
Levin, Julian, to Factshore Limited, a British Company. Bean-bag supported lap tray. 4,815,623, 3-28-89, Cl. 220-17.100.
Levin, Lawrence A.: *See—*
  Rosenwaks, Salman; Levin, Lawrence A.; and Chuchem, David, 4,807,244, Cl. 372-89.000.
Levin, Mark D.; Gallagher, Constance A.; Liu, Christopher S.; and Buscher, William A., Jr., to Texaco Inc. Diesel fuel compositions containing polyolefin graft polymers. 4,845,157, 7-4-89, Cl. 525-308.000.
Levin, Mark R.; Nalley, William M.; and Green, Dwight L., to Levin, Mark R. Handheld cordless hair dryer. 4,800,654, 1-31-89, Cl. 34-97.000.
Levin, Philip S., to SpecTran Corporation. Method of manufacturing a CVD torch. 4,813,093, 3-21-89, Cl. 29-157.00C.
Levin, Philip S., to SpecTran Corporation. CVD torch. 4,863,102, 9-5-89, Cl. 239-135.000.
Levin, Robert, to P. B. Ind. Plant Biotech Industries Ltd. Process for plant tissue culture propagation. 4,855,236, 8-8-89, Cl. 435-240.450.
Levin, Steven. Hybrid estimating filter. 4,890,250, 12-26-89, Cl. 364-602.000.
Levin, Steven B.: *See—*
  Fellows, Constance A.; Hecht, Patrick G.; and Levin, Steven B., 4,886,913, Cl. 564-255.000.
Levin, Steven D.; and Swenson, William A. Alignment training device for golfers. 4,871,175, 10-3-89, Cl. 273-187.00R.
Levin, Yakov S.: *See—*
  Arkhipov, Vladimir V.; Velikanov, Gennady F.; Levin, Yakov S. Magdychansky, Vadim S.; Petrov, Gennady I.; Raer, Gilya A. and Sarantsev, Kir B., 4,795,311, Cl. 416-186.00R.
Levin, Zaida; and Hovis, Keith. Bowing guide for stringed instrument. 4,854,212, 8-8-89, Cl. 84-283.000.
Levine, Aaron W., to General Electric Company. Method of forming a structural bond employing indirect exposure of a light responsive adhesive. 4,853,064, 8-1-89, Cl. 156-275.500.
Levine, Alfred B. Special effects photocopier. 4,843,426, 6-27-89, Cl. 355-202.000.
Levine, Alfred B. Comparative medical-physical analysis. 4,852,570, 8-1-89, Cl. 128-630.000.
Levine, Anthony. Electrically powered automobile jack and nut remover. 4,872,230, 10-10-89, Cl. 7-100.000.
Levine, Anthony H. Device for facilitating use by handicapped of tools and utensils. 4,821,417, 4-18-89, Cl. 30-298.000.
Levine, Arnold M., to ITT Gilfillan, a division of ITT Corporation. Radar system with auxiliary scanning for more dwell time on target. 4,814,779, 3-21-89, Cl. 343-754.000.
Levine, Charles A.: *See—*
  McCullough, Frances P., Jr.; Levine, Charles A.; and Snelgrove, Roy V., 4,830,938, Cl. 429-149.000.
Levine, Howard E. Two-piece combination boat and luggage carrier. 4,794,876, 1-3-89, Cl. 114-352.000.
Levine, James L.: *See—*
  Garwin, Richard L.; Levine, James L.; and Schappert, Michael A. 4,845,684, Cl. 367-137.000.
Levine, Jeffrey A.: *See—*
  Anderson, Robert K.; Foster, Ruth E.; and Levine, Jeffrey A. 4,838,206, Cl. 119-130.000.
Levine, Joseph E.: *See—*
  Ahn, Kie Y.; Basavaiah, Saryadevara; Brodsky, Stephen B.; Cortelino, Charles A.; and Levine, Joseph E., 4,803,110, Cl. 428-137.000.
Levine, Jules D.; Jensen, Millard J.; and Haney, Ronald E., to Texas Instruments Incorporated. Method of making solar array with aluminum foil matrix. 4,806,495, 2-21-89, Cl. 437-2.000.
Levine, Jules D.: *See—*
  Jensen, Millard J.; and Levine, Jules D., 4,872,607, Cl. 228-180.100.
Levine, Lance R.; and Pratt, Clarence A., Jr., to MFI International, Inc. Fishing accessory container. 4,852,293, 8-1-89, Cl. 43-54.100.
Levine, Mark: *See—*
  McNeal, Jack D.; Levine, Mark; and Beery, J. Harvey, 4,889,611, Cl. 204-416.000.
Levine, Matthew; Cairo, Anthony; Russo, James; Rigotti, Victor; and Clark, Roger, to Honeywell Incorporated. System for time programming of states by communicating time data via a continuously rotatable potentiometer. 4,837,731, 6-6-89, Cl. 364-145.000.
Levine, Michael R.; Nelson, Lorne; Russo, James; and Decker, Thomas, to Honeywell Inc. Thermostatic control without temperature droop using duty cycle control. 4,817,705, 4-4-89, Cl. 165-12.000.
Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, to Honeywell, Incorporated. Analog to digital conversion by measuring the ratio of RC time constants. 4,841,458, 6-20-89, Cl. 364-557.000.
Levine, Michael R. Method and apparatus for signaling the volume level of reproducing apparatus for digitally recorded sound. 4,847,825, 7-11-89, Cl. 369-47.000.
Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, to Honeywell Incorporated. Potentiometer setting detection by measuring the ratio of RC time constants. 4,864,513, 9-5-89, Cl. 364-482.000.

Levine, Michael R.: *See—*
  Russo, James; Levine, Michael R.; Rigotti, Victor; and Skogler, Nicholas, 4,829,458, Cl. 364-556.000.
  Russo, James T.; Rigotti, Victor H.; and Levine, Michael R., 4,829,457, Cl. 364-550.000.
Levine, Morris M., to CIC Int'l. Corp. Wet-dry vacuum cleaner. 4,821,366, 4-18-89, Cl. 15-344.000.
Levine, Morris M., to International Consumer Brands, Inc. Releasable battery pack cap and holder. 4,880,713, 11-14-89, Cl. 429-100.000.
Levine, Ned: *See—*
  Newbold, Dixon; and Levine, Ned, 4,830,250, Cl. 224-314.000.
Levine, Neil A.: *See—*
  Patterson, Dwight; and Levine, Neil A., 4,879,907, Cl. 73-861.050.
Levine, Norman. Skateboard handle. 4,886,297, 12-12-89, Cl. 280-809.000.
Levine, Norman: *See—*
  Hruby, Victor J.; Hadley, Mac E.; Dorr, Robert; Levine, Norman; Sugg, Elizabeth; and Cody, Wayne L., 4,866,038, Cl. 514-14.000.
Levine, Richard E. Bar closure for open bags. 4,847,956, 7-18-89, Cl. 24-30.50R.
Levine, Robert A.; and Wardlaw, Stephen C. Device for occult blood testing. 4,804,518, 2-14-89, Cl. 422-56.000.
Levine, Robert A., to Atlantic Richfield Company. Oil spill recovery apparatus. 4,840,729, 6-20-89, Cl. 210-170.000.
Levine, Robert A.; and Wardlaw, Stephen C. Method for measuring hemoglobin. 4,843,869, 7-4-89, Cl. 73-61.10R.
Levine, Robert A.; and Wardlaw, Stephen C. Method for measuring hemoglobin. 4,875,364, 10-24-89, Cl. 73-61.10R.
Levine, Robert A.: *See—*
  Rodriguez, Rodolfo R.; Lesniesky, Matthew W.; Galanaugh, Charles F.; Levine, Robert A.; Wardlaw, Stephen C.; and Juraschek, Theodore, 4,823,624, Cl. 73-865.900.
  Wardlaw, Stephen C.; and Levine, Robert A., 4,808,379, Cl. 422-56.000.
Levine, Samuel W., to Electro Alloys Corp. Corrosion resistant electroplating process, and plated article. 4,835,067, 5-30-89, Cl. 428-669.000.
Levine, Sol; and Sanchez, Hernando, to Revlon, Inc. Single-sample dispensing. 4,884,719, 12-5-89, Cl. 221-25.000.
Levine, Solomon L.: *See—*
  Cuomo, Jerome J.; Dibble, Eric P.; and Levine, Solomon L., 4,849,079, Cl. 204-192.170.
Levine, Stephen N.; Puhl, Larry C.; Bliss, Harry M.; and Corrigan, Gerald E., to Motorola, Inc. Bit synchronization method for a digital radio telephone system. 4,803,726, 2-7-89, Cl. 380-48.000.
Levine, Stephen N.; and Leitich, Albert J., to Motorola, Inc. Radiotelephone system employing digitized speech/data signalling. 4,876,740, 10-24-89, Cl. 455-33.000.
Levino, Andre J., to Westinghouse Electric Corp. Method and apparatus for bolted series/phase generator connections. 4,806,807, 2-21-89, Cl. 310-71.000.
Levinson, Arthur D.: *See—*
  Hitzeman, Ronald A.; Levinson, Arthur D.; and Yansura, Daniel G., 4,803,164, Cl. 435-68.000.
Levinson, Frank H.; Lavelle, Steve; Giles, Thomas E.; Zucker, Joseph; and Campbell, Bruce D., to Raychem Corp. Dynamic range reduction using mode filter. 4,815,805, 3-28-89, Cl. 350-96.160.
Levinson, Frank H., to Raynet Corporation. D-shaped fiber. 4,815,817, 3-28-89, Cl. 350-96.330.
Levinson, Frank H., to Finisar Corporation. Integrated optical coupler and connector. 4,881,789, 11-21-89, Cl. 350-96.150.
Levinson, Frank H., to Raynet Corporation. Optical fiber connector structure. 4,887,880, 12-19-89, Cl. 350-96.150.
Levinson, Lionel M.: *See—*
  Cole, Herbert S., Jr.; Levinson, Lionel M.; Liu, Yung S.; and Sitnik, Theresa A., 4,865,873, Cl. 427-53.100.
Levinson, Mark: *See—*
  Ditchek, Brian M.; Levinson, Mark; and Yacobi, Ben G., 4,829,173, Cl. 250-211.00R.
Levinson, Melvin L., to General Housewares Corporation. Food preparation kit for use in cooking food in microwave oven or in thermal oven. 4,880,951, 11-14-89, Cl. 219-10.55E.
Levinson, Samuel, to United Technologies Corporation. Impedance-matched signal selecting and combining system. 4,808,938, 2-28-89, Cl. 328-156.000.
Levinson, Stephen E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Speech recognition by acoustic/phonetic system and technique. 4,852,180, 7-25-89, Cl. 381-43.000.
Levinstone, Donald S.: *See—*
  Song, Woo-Jin; and Levinstone, Donald S., 4,829,381, Cl. 358-168.000.
Levinthal, Adam E.: *See—*
  Porter, Thomas K.; and Levinthal, Adam E., 4,845,666, Cl. 364-900.000.
Levis, William W., Jr.: *See—*
  Grace, Oscar M.; Levis, William W., Jr.; and Gagnon, Steven D., 4,849,459, Cl. 521-110.000.
Levit, Boris; Millerick, Michael; and Soboszek, Walter, to National Semiconductor Corporation. Random access oven. 4,834,649, 5-30-89, Cl. 432-121.000.
Levitan, Steven P.: *See—*
  Chiarulli, Donald M.; Melhem, Rami; and Levitan, Steven P., 4,883,334, Cl. 350-96.130.
Levitas, Miriam S. Garment bag with strap to secure closure flap in bundled configuration. 4,801,010, 1-31-89, Cl. 206-279.000.
Leviton Manufacturing Company, Inc.: *See—*
  Filbert, Jacques, 4,857,674, Cl. 174-135.000.
  Poliak, John M.; Lopez, Juan M.; and Gritz, Robert W., 4,836,805, Cl. 439-657.000.
Levitre, Gilles, to Automobiles Peugeot; and Automobiles Citroen. Arrangement of a seat on the floor of a motor vehicle. 4,830,422, 5-16-89, Cl. 296-65.100.
Levitt, Barrie; Stolar, Morris; and Breiman, Ron, to Taro Pharmaceuticals, Ltd. 2-Alkyl-3-benzoylbenzofurans useful for treating cardiac arrhythmia. 4,831,054, 5-16-89, Cl. 514-469.000.
Levitt, Charlie M.; and Dyer, Henry B. Detection of nuclear radiation. 4,816,682, 3-28-89, Cl. 250-337.000.
Levitt, George, to Du Pont de Nemours, E. I., and Company. Alkyl sulfones. 4,818,277, 4-4-89, Cl 71-92.000.
Levitt, George, to Du Pont de Nemours, E. I., and Company. Agricultural sulfonamides. 4,818,278, 4-4-89, Cl. 71-93.000.
Levitt, George, to Du Pont de Nemours, E. I., and Company. Agricultural sulfonamides. 4,830,662, 5-16-89, Cl. 71-92.000.
Levitt, George, to Du Pont de Nemours, E. I., and Company. Herbicidal acetals and ketals. 4,861,366, 8-29-89, Cl. 71-90.000.
Levitt, George: *See—*
  Christensen, Joel R.; Cuomo, John; and Levitt, George, 4,877,440, Cl. 71-90.000.
Levitt, Harry; Dugot, Richard S.; and Kopper, Kenneth W., to Audimax, Inc. Host controller for programmable digital hearing aid system. 4,879,749, 11-7-89, Cl. 381-68.400.
Levityansky, Ivan A.: *See—*
  Bozhko, Valery P.; Losev, Alexei V.; Strizhenko, Vitaly; Pleshkov, Viktor I.; and Levityansky, Ivan A., 4,796,8[illegible] Cl. 266-51.000.
  Bozhko, Valery P.; Losev, Alexei V.; Takoriants, Mateos P.; Pleshkov, Viktor I.; Strizhenko, Vitaly E.; Levityansky, Ivan A.; Filippov, Boris L.; and Kononenko, Tamara I., 4,802,654, Cl. 266-51.000.
Levius, Dezso K., to American Medical Systems, Inc. Mechanical penile prosthesis. 4,807,608, 2-28-89, Cl. 128-79.000.
Levius, Dezso K., to American Medical Systems, Inc. Flat coil spring penile prosthesis. 4,875,472, 10-24-89, Cl. 128-79.000.
Levko, Fred; and Speas, Thomas P., Jr., to Cooper Industries, Inc. Cable fuse identification system. 4,814,627, 3-21-89, Cl. 250-566.000.
Levkov, Blagoje: *See—*
  Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich; Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Stein, Hermann, 4,828,806, Cl. 423-213.500.
Levrai, Roland; Picot, Pascal; and Riquart, Christian, to Bendix France. Tandem brake pressure control valve with pressure-failure-compensating parallel piston. 4,798,127, 1-17-89, Cl. 91-530.000.
Levrai, Roland, to Bendix France. Brake corrector subject to the load of a vehicle. 4,824,180, 4-25-89, Cl. 303-22.500.
Levrai, Roland: *See—*
  Bequet, Franck; Maligne, Jean-Charles; and Levrai, Roland, 4,828,330, Cl. 303-22.100.
Levran, Alexander: *See—*
  Lee, Robert H.; and Levran, Alexander, 4,806,841, Cl. 322-29.000.
Levresse, Bernard, to Societe Chimique des Charbonnages - CdF Chimie. High pressure separation process. 4,795,854, 1-3-89, Cl. 585-800.000.
Levy, Abner. Slide holder. 4,819,804, 4-11-89, Cl. 206-456.000.
Levy, Abner. Vertical pack collection kit. 4,826,003, 5-2-89, Cl. 206-45.310.
Levy, Abraham. Motor vehicle sunshields and sunshield making methods. 4,805,955, 2-21-89, Cl. 160-84.100.
Levy, Aharon: *See—*
  Fisher, Abraham; Karton, Ishai; Heldman, Eliahu; Levy, Aharon; and Grunfeld, Yona, 4,855,290, Cl. 514-278.000.
Levy, Alexander H.; and Lipman, Kenneth, to United Technologies Corporation. Method and apparatus for operating a fuel cell in combination with an electrochemical cell to produce a chemical product. 4,797,186, 1-10-89, Cl. 204-129.000.
Levy, Alexander H.; VanDine, Leslie L.; and Trocciola, John C., to International Fuel Cells Corporation. Static regenerative fuel cell system for use in space. 4,839,247, 6-13-89, Cl. 429-21.000.
Levy, Alexander H.; and Wertheim, Ronald J., to International Fuel Cells Corporation. Hydrogen fuel reforming in a fog cooled fuel cell power plant assembly. 4,865,926, 9-12-89, Cl. 429-20.000.
Levy, Alvin C.; and Overton, Bob J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Thixotropic grease composition. 4,810,395, 3-7-89, Cl. 252-28.000.
Levy, Alvin C., to American Telephone and Telegraph Company AT&T Bell Laboratories. Filled cables. 4,870,117, 9-26-89, Cl. 523-173.000.
Levy, Amir; Glickman, Ilan; Berezniak, Haim; and Rosenberg, Avraham, to State of Israel, Ministry of Defence, Israel Military Industries, The. Fuse for sub-munition warhead. 4,811,664, 3-14-89, Cl. 102-226.000.
Levy, Edward H., to EHL Development Inc. Keyboard cleaner. 4,864,677, 9-12-89, Cl. 15-210.00R.
Levy, Gerhard; Southam, Mary; and Powers Cramer, Marilou S., to ALZA Corporation. Method of fentanly administration for postoperative pain relief. 4,822,802, 4-18-89, Cl. 514-317.000.
Levy, Gideon; Libotte, Claudio; Boccadoro, Marco; and Magginetti, Silvano, to AG fur industrielle Elektronik AGIE. Method and apparatus for purging the eroding zone during electroerosive countersinking. 4,822,970, 4-18-89, Cl. 219-69.160.
Levy, Gideon; and Di Bitonto, Daryl, to AG fur industrielle Elektronik AGIE. Method for the electroerosive machining of electrically slightly or non-conductive workpieces, as well as electroerosion machine for performing the method. 4,847,463, 7-11-89, Cl. 219-69.120.

- Levy, Gideon; Budin, Josef; and Moergeli, Benjamin, to AG Fur Industrielle Elektronik Agie. Apparatus for filtering machine liquid of an electroerosion machine. 4,859,324, 8-22-89, Cl. 210-195.200.
- Levy, Guy. Manually operated endodontic instrument. 4,824,369, 4-25-89, Cl. 433-102.000.
- Levy, Harry. Waterproof shelter fabric. 4,869,952, 9-26-89, Cl. 428-252.000.
- Levy, Isaac; and Charkey, Allen, to Energy Research Corporation. Gas recombination assembly for electrochemical cells. 4,810,598, 3-7-89, Cl. 429-59.000.
- Levy, Isy R. Security container. 4,884,507, 12-5-89, Cl. 102-293.000.
- Levy, Itzhak: *See—*
  - Margaritz, Mordeckai; Ronen, Daniel; and Levy, Itzhak, 4,857,473, Cl. 436-177.000.
- Levy, Jack R.; and Ventrone, Sebastian T., to International Business Machines Corporation. Signal generator using modulo means. 4,833,602, 5-23-89, Cl. 364-900.000.
- Levy, Jacques S. Combined above and below grade dwelling with marine habitat. 4,837,989, 6-13-89, Cl. 52-27.000.
- Levy, Julia G.; and Liu, Daniel, to University of British Columbia. Anhydrous enhanced coupling of proteins. 4,843,147, 6-27-89, Cl. 530-391.000.
- Levy, Julia G.; Dolphin, David; and Chow, Jack K., to University of British Columbia. Wavelength-specific cytotoxic agents. 4,883,790, 11-28-89, Cl. 540-145.000.
- Levy, Lloyd; and Kilmer, Dan L., to Micropolis Corporation. Integral head positioner for hard disk storage system. 4,796,122, 1-3-89, Cl. 360-98.010.
- Levy, Lloyd; Kilmer, Dan L.; and Maher, Kevin P., to Micropolis Corporation. Stress free winchester drive shaft mounting. 4,797,762, 1-10-89, Cl. 360-99.060.
- Levy, Lloyd; Warner, Michael W.; and Kilmer, Dan L., to Micropolis Corporation. Compact magnetic head flexible suspension. 4,797,763, 1-10-89, Cl. 360-104.000.
- Levy, Lloyd: *See—*
  - Slezak, Arnold; and Levy, Lloyd, 4,875,117, Cl. 360-98.010.
- Levy, Margalith: *See—*
  - Niego, Shlomo; Galun, Esra; and Levy, Margalith, 4,822,949, Cl. 800-1.000.
- Levy, Mark A.: *See—*
  - Holt, Dennis A.; Levy, Mark A.; and Metcalf, Brian W., 4,882,319, Cl. 514-119.000.
  - Holt, Dennis A.; Levy, Mark A.; and Metcalf, Brian W., 4,888,336, Cl. 514-278.000.
- Levy, Martin: *See—*
  - Baird, Brian W.; and Levy, Martin, 4,826,266, Cl. 350-1.100.
- Levy, Marvin H.; and Steinfort, Robert S. Spun-woven absorbent pad containing corn cob granules for application in removal of cooking oils from vessel. 4,838,947, 6-13-89, Cl. 134-7.000.
- Levy, Michael; and Shoemate, John P. Shirt placket constructor and automatic finish stitch boxer. 4,850,292, 7-25-89, Cl. 112-121.120.
- Levy, Michael P.: *See—*
  - Follett, David R.; and Levy, Michael P., 4,872,163, Cl. 370-94.100.
- Levy, Miguel E.: *See—*
  - Burns, Richard J.; Grim, Kenneth R.; and Levy, Miguel E., 4,813,006, Cl. 364-604.000.
- Levy, Moshe, to Du Pont de Nemours, E. I., and Company. Catalytic deposition of metals in solid matrices. 4,830,903, 5-16-89, Cl. 428-209.000.
- Levy, Pierre-Emmanuel: *See—*
  - Daudin, Philippe; Levy, Pierre-Emmanuel; Aube, Jean-Yves; Duplessis, Bernard; and Boivent, Marcel, 4,809,294, Cl. 373-41.000.
- Levy, Raymond H., to Danziger, Jay; and Blank, George. Oral artificial ventilation apparatus. 4,858,605, 8-22-89, Cl. 128-203.110.
- Levy, Reuven. Rock 'N walker. 4,837,876, 6-13-89, Cl. 5-107.000.
- Levy, Richard, to Lee County Mosquito Control District. Insecticidal delivery compositions and methods for controlling a population of insects in an aquatic environment. 4,818,534, 4-4-89, Cl. 424-404.000.
- Levy, Robert M. Liquid seal system for minimizing flow pulsing in flare seal drums. 4,844,844, 7-4-89, Cl. 261-62.000.
- Levy, Roger; and Gleason, Everett, to Tishken Products Co. Machine with quick disconnect between spindle drive train and power transmission. 4,831,857, 5-23-89, Cl. 72-181.000.
- Levy, Roland A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Device fabrication by X-ray lithography utilizing stable boron nitride mask. 4,868,093, 9-19-89, Cl. 430-311.000.
- Levy, Roland A.: *See—*
  - Gurvitch, Michael; and Levy, Roland A., 4,837,609, Cl. 357-71.000.
- Levy, Ronald; Dilley, Jeanette; Maloney, David G.; and Miller, Richard A., to Leland Stanford Junior University, The Board of Trustees of the. Monoclonal anti-idiotype antibodies. 4,816,249, 3-28-89, Cl. 424-85.800.
- Levy, Sheldon L., to Electric Power Research Institute, Inc. Molding a glass-plastic composite lens. 4,798 690, 1-17-89, Cl. 264-1.700.
- Levy, Simon J.; and Alpert, Donald B., to National Semiconductor Corporation. Apparatus and method for detecting and handling memory-mapped I/O by a pipelined microprocessor. 4,802,085, 1-31-89, Cl. 364-200.000.
- Levy, Steve: *See—*
  - Agazzi, Oscar; Cole, Chris; and Levy, Steve, 4,866,739, Cl. 375-106.000.
  - Hedberg, Dave; Hurst, Paul; and Levy, Steve, 4,847,868, Cl. 375-75.000.
  - Hedberg, Dave; Cole, Chris; and Levy, Steve, 4,870,370, Cl. 330-133.000.
- Levy, Steven E.: *See—*
  - Alvarez, Juan M.; Breit, Henry F.; Levy, Steven E.; and Hingorany, Premkumar R., 4,811,166, Cl. 361-386.000.
- Levy, Stuart B., to Tufts College, Tufts University, Trustees of. Tetracycline activity enhancement. 4,806,529, 2-21-89, Cl. 514-154.000.
- Levy, Zubin; and Swemer, Gerry E. Fiber optic pictorial display kit. 4,860,475, 8-29-89, Cl. 40-547.000.
- Lew, Chel W.; and Barlow, Darren E., to Southwest Research Institute. Encapsulated corn kernels and method of forming the same. 4,880,646, 11-14-89, Cl. 426-93.000.
- Lew, Chel W.: *See—*
  - Schlameus, Herman W.; Lew, Chel W.; and Atkinson, Donald M., 4,888,140, Cl. 264-4.300.
- Lew Childre & Sons, Inc.: *See—*
  - Childre, Casey J.; Walker, George V.; and Speh, Michael, 4,850,130, Cl. 43-23.000.
- Lew Enterprises, Inc.: *See—*
  - Lewandowski, Frank S., 4,865,178, Cl. 194-227.000.
- Lew, Hyok S. Level detector with multiple magnetically activated switches. 4,796,472, 1-10-89, Cl. 73-308.000.
- Lew, Hyok S. Dual S-tube Coriolis force flowmeter. 4,798,091, 1-17-89, Cl. 73-861.380.
- Lew, Hyok S.; and Lew, Yon S. Ball plug valve. 4,802,651, 2-7-89, Cl. 251-161.000.
- Lew, Hyok S. Vortex shedding flowmeter with mechanically amplifying pressure sensor. 4,803,870, 2-14-89, Cl. 73-861.220.
- Lew, Hyok S.; and Stranahan, Michael, to Lew, Jung G.; and Lew, Hyok S. Geodesically reinforced honeycomb structures. 4,807,408, 2-28-89, Cl. 52-81.000.
- Lew, Hyok S. Three-in-one vortex shedding flowmeter. 4,807,481, 2-28-89, Cl. 73-861.240.
- Lew, Hyok S. Stepwise variable speed planetary drive. 4,807,494, 2-28-89, Cl. 74-768.000.
- Lew, Hyok S. Self-coiling partition. 4,809,760, 3-7-89, Cl. 160-120.000.
- Lew, Hyok S. Convective attenuation flowmeter. 4,813,289, 3-21-89, Cl. 73-861.380.
- Lew, Hyok S. Lawn-border sprinkler. 4,824,019, 4-25-89, Cl. 239-201.000.
- Lew, Hyok S. Disposable coupled chopsticks. 4,826,227, 5-2-89, Cl. 294-16.000.
- Lew, Hyok S. Convective inertia force flowmeter. 4,829,832, 5-16-89, Cl. 73-861.380.
- Lew, Hyok S.; and Stranahan, Michael. Decoy deploying ICBM warhead. 4,829,905, 5-16-89, Cl. 102-489.000.
- Lew, Hyok S. Piezoelectric impulse sensor. 4,835,436, 5-30-89, Cl. 310-338.000.
- Lew, Hyok S. Convective attenuation flowmeter. 4,840,071, 6-20-89, Cl. 73-861.380.
- Lew, Hyok S. Dual orbiting gear planetary drive. 4,841,810, 6-27-89, Cl. 74-804.000.
- Lew, Hyok S. Continuous snow chain. 4,850,410, 7-25-89, Cl. 152-213.00A.
- Lew, Hyok S.; and Lew, Hyon S. Moving cylinder actuator. 4,872,360, 10-10-89, Cl. 74-110.000.
- Lew, Hyok S. Vortex shedding flowmeter. 4,879,909, 11-14-89, Cl. 73-861.240.
- Lew, Hyok S. Torsional vibration convective inertia force flowmeter. 4,879,910, 11-14-89, Cl. 73-861.370.
- Lew, Hyok S. Convective attenuation flowmeter. 4,882,935, 11-28-89, Cl. 73-861.380.
- Lew, Hyok S. Variable capacity flowmeter. 4,884,441, 12-5-89, Cl. 73-195.000.
- Lew, Hyok S. High sensitivity vortex shedding flowmeter. 4,884,451, 12-5-89, Cl. 73-861.240.
- Lew, Hyok S. Dual epicyclic speed changer. 4,884,473, 12-5-89, Cl. 74-804.000.
- Lew, Hyok S. Relative motion sensor. 4,888,991, 12-26-89, Cl. 73-658.000.
- Lew, Hyon S.: *See—*
  - Lew, Hyok S.; and Lew, Hyon S., 4,872,360, Cl. 74-110.000.
- Lew, Jung G.: *See—*
  - Lew, Hyok S.; and Stranahan, Michael, 4,807,408, Cl. 52-81.000.
- Lew, Yon S.: *See—*
  - Lew, Hyok S.; and Lew, Yon S., 4,802,651, Cl. 251-161.000.
- Lewa Herbert Ott GmbH & Co.: *See—*
  - Fritsch, Horst, 4,811,624, Cl. 74-571.00L.
  - Fritsch, Horst; and Jarosch, Josef, 4,865,528, Cl. 417-388.000.
  - Muller, Adolf; and Schlucker, Eberhard, 4,832,581, Cl. 417-383.000.
- Lewandowski, Frank S., to Lew Enterprises, Inc. Single copy vending machine for newspapers and the like. 4,865,178, 9-12-89, Cl. 194-227.000.
- Lewandowski, Mark: *See—*
  - Fuller, Richard C.; Gentles, Thomas A.; and Lewandowski Mark, 4,870,675, Cl. 379-5.000.
- Lewandowski, Raymond; and Lewandowski, Sylvette. Process for recuperation of the proteins lost by the dairy industry. 4,865,975, 9-12-89, Cl. 435-69.000.
- Lewandowski, Robert J.: *See—*
  - Cok, Steven P.; and Lewandowski, Robert J., 4,843,332, Cl. 328-133.000.
  - Cok, Steven P.; and Lewandowski, Robert J., 4,884,035, Cl. 328-133.000.
- Lewandowski, Sylvette: *See—*
  - Lewandowski, Raymond; and Lewandowski, Sylvette, 4,865,975, Cl. 435-69.000.

- Lewchalermwong, C. Charles, to Mineral Research and Development Corp. Process for manufacture of ferric nitrate. 4,808,393, 2-28-89, Cl. 423-395.000.
- Lewe, Winfried: *See—*
  - Berwald, Ernst; and Lewe, Winfried, 4,807,777, Cl. 220-23.830.
- Lewellen, Richard: *See—*
  - McKiernan, Edward F.; Sigler, James; Sprang, Richard; Lewellen, Richard; and Geis, Mark, 4,854,827, Cl. 417-313.000.
- Lewellen, Richard R.: *See—*
  - Hehn, Bruce A.; Weisburn, James T.; Lewellen, Richard R.; and Geis, Mark W., 4,871,064, Cl. 206-387.000.
- Lewellin, Richard L., to Australian Cellulose Industries Pty. Ltd. Sterile particulate material. 4,869,433, 9-26-89, Cl. 241-18.000.
- Lewenhaupt, Sixten: *See—*
  - Jorlov, Richard; Nystrom, Lars; and Lewenhaupt, Sixten, 4,804,858, Cl. 307-66.000.
- Lewicki, John A.; Scarborough, Robert M., Jr.; and Johnson, Lorin K., to Biotechnology Research Associates J.V. Analogs of atrial natriuretic peptides. 4,804,650, 2-14-89, Cl. 514-15.000.
- Lewin, David F., to Owens-Corning Fiberglas Corporation. Method of using evenly distributed air flow to condition glass filaments prior to application of sizing. 4,886,536, 12-12-89, Cl. 65-3.100.
- Lewin, Henry B.; and Bratic, Peter. Snow and ice traction device for automotive vehicles. 4,836,259, 6-6-89, Cl. 152-222.000.
- Lewiner, Jacques; Taudin, Dominique; and Carreel, Eric. Devices for delivering information on their communications to subscribers of telephone lines. 4,825,462, 4-25-89, Cl. 379-131.000.
- Lewiner, Jacques; Hennion, Claude; and Leonard, Didier, to Societe Fontaine. Coded objects identifiable by proximity and devices for changing the codes of these objects. 4,857,913, 8-15-89, Cl. 340-825.310.
- Lewiner, Jacques. Smoke detector with ionization chamber. 4,864,141, 9-5-89, Cl. 250-381.000.
- Lewiner, Jacques; and Hennion, Claude. Coded locking device, more especially with keyboard. 4,870,411, 9-26-89, Cl. 340-825.310.
- Lewis, Aaron: *See—*
  - Nebenzahl, Isaiah; and Lewis, Aaron, 4,880,496, Cl. 156-643.000.
- Lewis, Adam J.; and Frensley, William R., to Texas Instruments Incorporated. Infrared detector system based upon group III-V epitaxial material. 4,803,537, 2-7-89, Cl. 357-30.000.
- Lewis, Allen R.: *See—*
  - Bradt, L. Jack; Brown, Robert L.; Fogt, Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,814,592, Cl. 235-381.000.
  - Bradt, L. Jack; Brown, Robert L.; Fogt, G. Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,839,505, Cl. 235-381.000.
- Lewis, Armand F.: *See—*
  - Rogers, Randall J.; Silverman, Beth Z.; and Lewis, Armand F., 4,812,938, Cl. 360-133.000.
- Lewis, Armis L.: *See—*
  - Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., 4,819,141, Cl. 362-207.000.
  - Maglica, Anthony; Johnson, Ralph E.; and Lewis, Armis L., 4,823,242, Cl. 362-187.000.
  - Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., 4,841,417, Cl. 362-206.000.
- Lewis, Arthur M.; and Lewis, Flora B. Page holder for books. 4,824,141, 4-25-89, Cl. 281-42.000.
- Lewis, Bradley W.: *See—*
  - Walker, Alan H.; Lewis, Bradley W.; and Bossack, Thomas J., 4,850,725, Cl. 400-236.200.
- Lewis, Brian G.; and Yarwood, John C., to Olin Corporation. Liquid/-solid interface monitoring during direct chill casting. 4,796,687, 1-10-89, Cl. 164-455.000.
- Lewis, Carl. Slalom ski bindings. 4,863,408, 9-5-89, Cl. 441-70.000.
- Lewis, Carol L. R., to Varian Associates, Inc. Junctions for monolithic cascade solar cells and methods. 4,881,979, 11-21-89, Cl. 136-201.000.
- Lewis, Charles E.: *See—*
  - Mushinski, Roger J.; Lewis, Charles E.; and Casey, Lawrence J., 4,884,385, Cl. 53-399.000.
- Lewis, Clarence. Radiator support apparatus. 4,830,259, 5-16-89, Cl. 228-19.000.
- Lewis, Colin B.; and Spindley, Harold L., to Marconi Electronic Devices Limited. Electrical conductor arrangement. 4,825,340, 4-25-89, Cl. 361-397.000.
- Lewis, Colin J.: *See—*
  - Pankhania, Mahendra G.; and Lewis, Colin J., 4,831,058, Cl. 514-570.000.
- Lewis, Craig A.: *See—*
  - Hudis, Scott B.; and Lewis, Craig A., 4,835,412, Cl. 307-119.000.
- Lewis, David A., to Thomas Engineering, Inc. Pharmaceutical tablet press control mechanism. 4,817,006, 3-28-89, Cl. 364-476.000.
- Lewis, David A.: *See—*
  - Lewis, Victor M.; and Lewis, David A., 4,810,506, Cl. 426-28.000.
- Lewis, David D.: *See—*
  - Danielson, Jeanne D.; and Lewis, David D., 4,864,905, Cl. 83-808.000.
- Lewis, David E.: *See—*
  - Baty, David L.; Young, William C.; and Lewis, David E., 4,849,082, Cl. 204-192.310.
- Lewis, David F., to GAF Corporation. Memory element for information storage and retrieval system and associated process. 4,800,526, 1-24-89, Cl. 365-118.000.
- Lewis, David J.: *See—*
  - Inkster, Kevin R.; and Lewis, David J., 4,850,407, Cl. 144-240.000.
- Lewis, David M., to University of Toronto, Innovations Foundation. Simulation apparatus. 4,815,024, 3-21-89, Cl. 364-802.000.
- Lewis, David M., to University of Toronto Innovations Foundation. Apparatus for analog simulation of a circuit. 4,835,726, 5-30-89, Cl. 364-802.000.
- Lewis, David R.; Perkins, Albert J.; Raya, Gasper L.; Vargo, Michael F.; and Haggmark, James E., to Pacific Bell. Pay-per-view CATV system. 4,852,154, 7-25-89, Cl. 379-105.000.
- Lewis, David W.: *See—*
  - Aly, Fouad A.; Graven, Richard G.; and Lewis, David W., 4,836,989, Cl. 422-195.000.
- Lewis, Debra A.: *See—*
  - Bernard, Thomas E.; Sherwin, Gary W.; Kenney, William L., Jr.; and Lewis, Debra A., 4,883,063, Cl. 128-670.000.
- Lewis, Dennis E. Alternating current power sensing device for preventing start-up at power restoration. 4,853,821, 8-1-89, Cl. 361-92.000.
- Lewis, Donald R.: *See—*
  - Abbott, Michael L.; and Lewis, Donald R., 4,828,691, Cl. 210-87.000.
- Lewis, Duane H., to Continental Plastics, Inc. Container cap. 4,823,995, 4-25-89, Cl. 222-545.000.
- Lewis, Duane H.: *See—*
  - Dutt, Herbert V.; and Lewis, Duane H., 4,856,665, Cl. 215-252.000.
- Lewis, Edward T., to Raytheon Company. CMOS VLSI output driver with controlled rise and fall times. 4,797,579, 1-10-89, Cl. 307-443.000.
- Lewis, Edward T., to Raytheon Company. CMOS binary up/down counter. 4,856,035, 8-8-89, Cl. 377-116.000.
- Lewis, Edward T.: *See—*
  - Mazin, Moshe; Henlin, Dennis A.; and Lewis, Edward T., 4,866,658, Cl. 364-784.000.
  - Sano, Jun-ichi; and Lewis, Edward T., 4,845,668, Cl. 365-49.000.
- Lewis, Elmer R.; and Smith, Allen. Golf bag lock. 4,863,019, 9-5-89, Cl. 206-315.300.
- Lewis, Flora B.: *See—*
  - Lewis, Arthur M.; and Lewis, Flora B., 4,824,141, Cl. 281-42.000.
- Lewis, Frederick S.: *See—*
  - Luthi, Oscar; Lewis, Frederick S.; and Carlsmith, Lawrence A., 4,808,265, Cl. 162-60.000.
- Lewis, Gary D.: *See—*
  - Stoddart, Hugh F.; and Lewis, Gary D., 4,817,623, Cl. 128-665.000.
- Lewis, Gary W., to Horiba Instruments Incorporated. Calibration method for exhaust mass flow measuring system. 4,823,591, 4-25-89, Cl. 73-3.000.
- Lewis, George C.: *See—*
  - Danilatos, Gerasimos D.; and Lewis, George C., 4,823,006, Cl. 250-310.000.
- Lewis, George D., to Radial Turbine International A/S. Fuel nozzle and improved system and method for injecting fuel into a gas turbine engine. 4,884,746, 12-5-89, Cl. 239-5.000.
- Lewis, George E., to Boeing Company, The. Maneuver load alleviation system. 4,796,192, 1-3-89, Cl. 364-463.000.
- Lewis, George K., Jr., to Du Pont de Nemours, E. I., and Company. Spinning process for aromatic polyamide filaments. 4,869,860, 9-26-89, Cl. 264-180.000.
- Lewis, George R.: *See—*
  - Biette, Douglas S.; Clark, Steven D.; Raby, Max E., Jr.; and Lewis, George R., 4,801,815, Cl. 307-112.000.
- Lewis, Gib F.: *See—*
  - de La Chapelle, Michael; Hsu, Hui-Pin; Lewis, Gib F.; and Mantele, John E., 4,832,433, Cl. 350-96.150.
- Lewis, Gregg E.; Smith, Allen R.; and Sherrod, Fred A., to Dow Chemical Company, The. Dehydrogenation catalyst. 4,804,799, 2-14-89, Cl. 585-444.000.
- Lewis, Harry: *See—*
  - Lewis, Joel; and Lewis, Harry, 4,807,661, Cl. 137-456.000.
- Lewis, Henry G., Jr.: *See—*
  - Chao, Tzy-Hong; Campbell, Edward R., III; and Lewis, Henry G., Jr., 4,864,403, Cl. 358-167.000.
- Lewis, James C.: *See—*
  - Cross, Hewis W.; and Lewis, James C., 4,807,544, Cl. 111-7.000.
- Lewis, James M.; Owens, Robert A.; Ferguson, Susan A.; Chin, Roland L.; and Zuba, Valentine T., to Petrarch Systems, Inc. Process of using high contrast photoresist developer with enhanced sensitivity to form positive resist image. 4,822,722, 4-18-89, Cl. 430-326.000.
- Lewis, James M.; and Owens, Robert A., to Petrarch Systems, Inc. High contrast photoresist developer. 4,824,769, 4-25-89, Cl. 430-331.000.
- Lewis, Jay L.: *See—*
  - Hewette, Chip; and Lewis, Jay L., 4,825,840, Cl. 123-571.000.
- Lewis, Jeffrey C.: *See—*
  - Clough, Melvyn J. L.; Mackowiak, Stephen P.; and Lewis, Jeffrey C., 4,850,778, Cl. 411-433.000.
- Lewis, Jeffrey L.: *See—*
  - Koudstaal, Willem; Thomas, Alan; and Lewis, Jeffrey L., 4,806,021, Cl. 383-40.000.
- Lewis, Jeffrey M. O., to UOP. Chemical conversion process. 4,814,541, 3-21-89, Cl. 585-640.000.
- Lewis, Jeffrey M. O., to UOP. Production of olefins. 4,849,575, 7-18-89, Cl. 585-640.000.
- Lewis, Jeffrey M. O.; and Henstock, William H., to UOP. Chemical conversion process. 4,861,938, 8-29-89, Cl. 585-640.000.
- Lewis, Jeffrey M. O.; and Price, Joe B., to UOP. Chemical conversion process. 4,873,390, 10-10-89, Cl. 585-638.000.
- Lewis, Jerome M.: *See—*
  - Groman, Ernest V.; Josephson, Lee; and Lewis, Jerome M., 4,827,945, Cl. 128-653.000.
- Lewis, Joel; and Lewis, Harry. Fluid control valve. 4,807,661, 2-28-89, Cl. 137-456.000.

Lewis, John, Jr.: *See—*
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Lewis, John A.: *See—*
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Haber, Terry M.; and Lewis, John A., 4,867,172, Cl. 128-763.000.
Lewis, John A., Jr.: *See—*
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Lewis, John F. Putting practice device. 4,880,240, 11-14-89, Cl. 273-188.00R.
Lewis, John G., to Emerson Electric Co. Electric motor stator support structure and method of manufacturing same. 4,801,831, 1-31-89, Cl. 310-91.000.
Lewis, John G., to Emerson Electric Co. Method of manufacturing electric motor stator structure. 4,882,832, 11-28-89, Cl. 29-596.000.
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Lewis, John M., to Stereo Optical Company, Inc. Visual acuity testing. 4,854,695, 8-8-89, Cl. 351-246.000.
Lewis, John R., Jr., to Shakespeare Company. Breakaway utility pole shear base structure. 4,813,199, 3-21-89, Cl. 52-98.000.
Lewis, John R., Jr., to Shakespeare Company. Low profile, broad band monopole antenna. 4,890,116, 12-26-89, Cl. 343-749.000.
Lewis, John T.; and Zumbrun, Harold R., to Combustion Engineering, Inc. Nozzle dam sealing system. 4,826,036, 5-2-89, Cl. 220-232.000.
Lewis, John W., to Dow Chemical Company, The. Machine and method for opening a filled bag, emptying the bag, and disposing of the empty bag. 4,798,508, 1-17-89, Cl. 414-412.000.
Lewis, Kenneth D., to Lewis and Lewis Corporation. Adjustable compound leverage bowstring release. 4,823,761, 4-25-89, Cl. 124-35.00A.
Lewis, Kenrick M.; and Childress, Thomas E., to Union Carbide Corporation. Tin containing activated silicon for the direct reaction. 4,864,044, 9-5-89, Cl. 556-472.000.
Lewis, Kenrick M.; and Chang, Ching-Feng, to Union Carbide Corporation and Plastics Company Inc. Redistribution of organohalosilanes utilizing heat treated crystalline alumina catalysts. 4,889,838, 12-26-89, Cl. 502-27.000.
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Lewis, Lynette A.; Messenger, Lowry; Yeager, Frances M.; and Yip, Kin F., to Miles Inc. Latex agglutination immunoassay in the presence of hemoglobin. 4,847,209, 7-11-89, Cl. 436-533.000.
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Lewis, Norman J.; and Panzer, Hans P., to American Cyanamid Company. Method for the depressing of hydrous, layered silicates. 4,853,114, 8-1-89, Cl. 209-167.000.
Lewis, Paul H.; Dai, Eugene P.; and Holst, Edward H., to Texaco Inc. Catalyst for control of emission of sulfur oxides. 4,798,819, 1-17-89, Cl. 502-304.000.
Lewis, Ralph H. Rebreathing mask. 4,799,477, 1-24-89, Cl. 128-206.240.
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Dokuzovic, Zdravko; Bodor, Zoltan; Lewis, Ramola; and Kostantelou, Costantina, 4,842,870, Cl. 426-3.000.

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Lewis, Sheldon N.; Choy, Clement K.; Mizusawa, Eugene A.; and Casella, Tracey L., to Clorox Company, The. Isotropic fabric softener composition containing fabric mildewstat. 4,851,139, 7-25-89, Cl. 252-8.800.
Lewis, Stephen R.; and Brokaw, A. Paul, to Analog Devices, Inc. Curvature correction of bipolar bandgap references. 4,808,908, 2-28-89, Cl. 323-313.000.
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Lewis, Thomas H.; and Lewis, Suzan K. Method of making ornamental castings containing stained glass. 4,880,485, 11-14-89, Cl. 156-108.000.
Lewis, Trevor A. Back support apparatus. 4,836,534, 6-6-89, Cl. 272-85.000.
Lewis, Victor M.; and Lewis, David A. Treatment of grain products. 4,810,506, 3-7-89, Cl. 426-28.000.
Lewis, Virgil P. Sharpening device with replaceable sharpening elements. 4,807,404, 2-28-89, Cl. 51-362.000.
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Lewy, Michael M. Apparatus and method for polishing a plumbing electrical fixture. 4,882,019, 11-21-89, Cl. 204-129.100.
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Lewyn, Lanny L., to Brooktree Corporation. Centroiding algorithm for networks used in A/D and D/A converters. 4,875,046, 10-17-89, Cl. 341-148.000.
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Leyendecker, Hans-Wilhelm; and Abendroth, Paul, to M.A.N.-Roland Druckmaschinen AG. Planetary transmission device for driving an oscillating auxiliary gripper of a printing press. 4,800,813, 1-31-89, Cl. 101-409.000.
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Leyshon, David W., to Atlantic Richfield Company. Methane conversion process. 4,801,762, 1-31-89, Cl. 585-500.000.
Leyshon, David W.; and Bader, Robert A., to Atlantic Richfield Company. Thin bed cofeed reactors for methane conversion. 4,876,409, 10-24-89, Cl. 585-500.000.
Leyshon, David W., to Atlantic Richfield Company. Thin bed cofeed reaction system for methane conversion. 4,886,932, 12-12-89, Cl. 585-500.000.
Leyssens, Herwig: *See—*
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Joder, Andreas; Halder, Mathis; and Seitz, Thomas, 4,864,223, Cl. 324-117.00H.
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Niepolomski, Andrzej; and Greenaway, David, 4,870,760, Cl. 235-381.000.
Popovic, Radivoje; and Krause, Axel, 4,829,352, Cl. 357-27.000.
Popovic, Radivoje, 4,844,572, Cl. 350-96.140.
Seitz, Thomas, 4,864,238, Cl. 324-253.000.
Lherm, Andre; Raveu, Bernard; and Nicolas, Alain, to Aerospatiale Societe Nationale Industrielle. Device for storing electrical energy at very high voltage, particularly for high energy density marx generator, and electrode for such a device. 4,837,661, 6-6-89, Cl. 361-329.000.
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Lhospice, Bernard, to Essilor International (Compagnie Generale d'Optique). Eyeglass frame with resilient bridge. 4,802,753, 2-7-89, Cl. 351-88.000.
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Li, Beili: *See—*
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Li, Chan E., to Rockwell International Corporation. Echo canceller with relative feedback control. 4,845,746, 7-4-89, Cl. 379-411.000.
Li, Chun O.: *See—*
Trofimenkoff, Frederick N.; Paslawski, Daniel J.; and Li, Chun O., 4,827,261, Cl. 341-157.000.
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Li, Da K., to Setra Systems, Inc. Humidity control system for a scale. 4,846,293, 7-11-89, Cl. 177-210.00C.
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Li, Edward E.: *See—*
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Kobliska, Robert J.; and Li, Eric K., 4,861,662, Cl. 428-408.000.
Scott, John C.; Li, Eric K.; Washburn, Hudson A.; and Viswanathan, Nal T., 4,880,514, Cl. 204-192.200.
Li, George S.; Hottois, J. Peter; Wu, Muyen M.; and DeWitt, Elmer J., to Standard Oil Company, The. Vinylidene chloride copolymer compositions. 4,826,922, 5-2-89, Cl. 525-227.000.
Li, H. L.: *See—*
Harpell, G. A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., 4,883,700, Cl. 428-113.000.
Harpell, Gary A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., 4,820,568, Cl. 428-113.000.
Li, Hehching H.: *See—*
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Li, Hin-Mo; and Roska, Fred J., to Minnesota Mining and Manufacturing Company. Process for producing high modulus film. 4,867,937, 9-19-89, Cl. 264-290.200.
Li, Hsin L.; Oswald, Hendrikus J.; and Liland, Alfred L., to Allied-Signal Inc. Apparatus for texturizing yarn. 4,802,268, 2-7-89, Cl. 28-254.000.
Li, Hung J.; and Garrity, James P., to Westinghouse Electric Corp. Loss-of-potential supervision for a distance relay. 4,835,651, 5-30-89, Cl. 361-68.000.
Li, Hungwen, to International Business Machines Corporation. Table lookup addressing by dichotomy window generation. 4,799,269, 1-17-89, Cl. 382-27.000.
Li, Hungwen: *See—*
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Li, Jan-Kwei J.: *See—*
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Old, Lloyd J.; Oettgen, Herbert F.; Ikeda, Hisami; Li, Lucy T. C.; Lloyd, Kenneth O.; and Dippold, Wolfgang G., 4,808,704, Cl. 530-387.000.
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Li, Ruey S.: *See—*
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Li, Shuo-Yen R., to Bell Communications Research, Inc. High capacity communication system utilizing OR-type channels. 4,852,091, 7-25-89, Cl. 370-85.000.
Li, Simon M., to Shell Oil Company. Process and catalyst for production of bisphenol-A. 4,820,740, 4-11-89, Cl. 521-32.000.
Li, Simon M., to Shell Oil Company. Isomerization of by-products of bis-phenol synthesis. 4,822,923, 4-18-89, Cl. 568-724.000.
Li, Simon M., to Shell Oil Company. Isomerization of by-products of bi-phenol synthesis. 4,825,010, 4-25-89, Cl. 568-724.000.
Li, Stephen: *See—*
Niehaus, Jeffrey A.; Fleck, Robert G.; Li, Stephen; and Strong, Bob D., 4,852,083, Cl. 370-58.000.
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Li, Wen-Kuang. Automatic water hose rewinder. 4,832,074, 5-23-89, Cl. 137-355.200.
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Lia, Hermann, to Tandberg Data A/S. Method and arrangement for the recording and playback of data. 4,870,513, 9-26-89, Cl. 360-45.000.
Lia, Raymond A., to Welch Allyn, Inc. Borescope or endoscope with fluid dynamic muscle. 4,794,912, 1-3-89, Cl. 128-4.000.
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Liabenow, Kenneth H.; Rechtzigel, Allen; and Springer, Dennis, to K & D Industries, Inc. Device for separating solids and intermixed liquids from industrial waste. 4,830,746, 5-16-89, Cl. 210-202.000.
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Lian-yun-gang Chemical Mines Research and Design Institute: *See—*
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Liang, Bob C.; and Gonzalez-Lopez, Jorge, to International Business Machines Corporation. Interpolated display characteristic value generator. 4,805,116, 2-14-89, Cl. 364-521.000.
Liang, Bob C., to International Business Machines Corporation. Clipping of fixed character strings in a graphics system. 4,811,241, 3-7-89, Cl. 364-518.000.
Liang, Bob C.: *See—*
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Gonzalez-Lopez, Jorge; and Liang, Bob C., 4,855,938, Cl. 364-522.000.
Gonzalez-Lopez, Jorge; Hempel, Bruce C.; and Liang, Bob C., 4,866,637, Cl. 364-518.000.
Hempel, Bruce C.; and Liang, Bob C., 4,821,209, Cl. 364-518.000.
Hempel, Bruce C.; Laib, Gregory D.; and Liang, Bob C., 4,870,599, Cl. 364-518.000.
Liang, Marc D.: *See—*
Narayanan, Krishna; and Liang, Marc D., 4,803,984, Cl. 128-334.00R.
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Liang, Paul H., to Du Pont de Nemours, E. I., and Company. Herbicidal pyridinesulfonylureas. 4,808,721, 2-28-89, Cl. 546-293.000.
Liang, Paul M. Screen for cathode ray tubes. 4,819,085, 4-4-89, Cl. 358-245.000.
Liang, Rong-Chang; Colyer, Emerson K.; and Borello, Kelli J., to Mead Corporation, The. Developer composition comprising phenol resins and vinylic or acrylic resins. 4,853,364, 8-1-89, Cl. 503-216.000.
Liang, Rong-Chang; Kintz, Karl A.; O'Connor, Joseph G.; and Adair, Paul C., to Mead Corporation, The. Vinyl developer resins. 4,877,767, 10-31-89, Cl. 503-212.000.
Liang, Yeon F., to Phillips Petroleum Company. Additive for arylene sulfide polymers of improved impact strength. 4,797,448, 1-10-89, Cl. 525-106.000.
Liang, Yeon F.; and Beever, William H., to Phillips Petroleum Company. Rubbery compounds as modifiers for poly(arylene sulfide). 4,888,390, 12-19-89, Cl. 525-189.000.
Liang, Yeon F., to Plastics Engineering Company. Thermoplastic polyester blends of improved impact resistance. 4,889,898, 12-26-89, Cl. 525-67.000.
Liangtraco (Aust) Pty. Ltd.: *See—*
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Mokotoff, Michael; Liao, Qing-jiang; Wong, Lan; and Zhao, Ming, 4,868,167, Cl. 514-176.000.
Liao, Wei-Shiun; and Yeh Taur, Ding L. Gas stove burner. 4,827,898, 5-9-89, Cl. 126-39.00E.
Liao, Wu-Chang. Cylindrical key and method for its productions. 4,831,853, 5-23-89, Cl. 70-491.000.
Liapis, Athanasios I.; Findley, Marshall E.; and Nguyen, Hoa T., to University of Missouri, The Curators of the. Separation of adsorbed components by variable temperature desorption. 4,874,524, 10-17-89, Cl. 210-672.000.
Liardet, Andre. Leather floor. 4,864,790, 9-12-89, Cl. 52-311.000.
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Liautaud, John R. Self contained eye wash fountain. 4,881,283, 11-21-89, Cl. 4-620.000.
Liav, Avraham; and Goren, Mayer B., to National Jewish Center. Synthesis of 3,6-Di-O-methyl-D-glucose and compounds formed thereby. 4,835,264, 5-30-89, Cl. 536-4.100.
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Wunner, Roland, 4,823,564, Cl. 66-84.00A.
Wunner, Roland, 4,872,323, Cl. 66-84.00A.
Libassi, Jack. Safety device for automatic firearms. 4,835,894, 6-6-89, Cl. 42-70.110.
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Ash, Charles E.; Herliczek, Siegfried H.; and Jenkins, David R., 4,834,829, Cl. 156-382.000.
Barteck, Werner W., 4,854,599, Cl. 277-227.000.
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Enk, Allan T.; and Flaugher, Jeffrey R., 4,872,898, Cl. 65-287.000.
Enk, Allan T.; Wolfe, Jennifer R.; and Borer, John W., 4,883,526, Cl. 65-104.000.
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Libby, Scott A.; Pliml, Frank V., Jr.; Johnson, William M.; Armstrong, Laurence P.; and Peterson, James L., to Nichols-Homeshield, Inc. Adjustable roller assembly for sliding doors. 4,850,078, 7-25-89, Cl. 16-100.000.
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Liberman, Barnet L., to Liberman, Barnet L.; Chamberlain, Winthrop D.; Fedele, Joseph; and Fedele, Brian, a part interest. Method of freezing vital body fluids. 4,840,034, 6-20-89, Cl. 62-64.000.
Liberman, Barnet L., to Liberman, Barnet L.; Chamberlain, Winthrop D.; Fedele, Joseph; and Fedele, Brian, a part interest. Method of freezing tissue. 4,840,035, 6-20-89, Cl. 62-64.000.
Liberman, Thomas, to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Smoke composition and method of making same. 4,841,865, 6-27-89, Cl. 102-334.000.
Libero, Robert W.: *See—*
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Libert, Harold C., to Maul Technology Co. Hydraulic invert/neckring mechanism. 4,842,636, 6-27-89, Cl. 65-232.000.
Libert, James T., to Square D Company. Overload protection apparatus for emulating the response of a thermal overload. 4,796,142, 1-3-89, Cl. 361-23.000.
Libert, James T., to Square D Company. Thyristor driver turn-off circuit. 4,876,468, 10-24-89, Cl. 307-643.000.
Libert, James T., to Square D Company. Line to line to line to neutral converter. 4,887,018, 12-12-89, Cl. 318-778.000.
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Leon, Robert L., 4,879,511, Cl. 324-163.000.
Leon, Robert L., 4,879,901, Cl. 73-168.000.
Leon, Robert L., 4,882,937, Cl. 73-862.670.
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Licchelli, Maurizio; Greco, Alberto; and Lugli, Gabriele, to Enichem Sintesi S.p.A. Silylated derivatives of isobutene crosslinkable under ambient conditions, and process for preparing them. 4,829,130, 5-9-89, Cl. 525-384.000.
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Licciardi, Luigi; and Torielli, Alessandro, to Cselt - Centro Studi E Laboratori Telecomunicazioni Spa. C-MOS arithmetic - logic unit with high carry propogation speed. 4,873,659, 10-10-89, Cl. 364-784.000.
Licciardi, Terrence P.; and Licciardi, James P. Baseball practice apparatus. 4,886,267, 12-12-89, Cl. 273-26.00R.
Licence, Richard J.: *See—*
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Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, 4,832,988, Cl. 427-305.000.
Bogenschutz, August F.; Jostan, Josef L.; and Ostwald, Robert, 4,885,053, Cl. 156-635.000.
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Hauke, Dieter; and Zelle, Edgar, 4,841,187, Cl. 310-171.000.
Hauschildt, Herbert, deceased, 4,825,183, Cl. 335-167.000.
Hochhaus, Hermann; and Wilder, Erhard, 4,808,975, Cl. 340-641.000.
Jehle, Franz; Konig, Martin; and Wolfle, Erwin, 4,881,077, Cl. 342-26.000.
Jorke, Helmut; and Kibbel, Horst, 4,806,502, Cl. 437-106.000.
Jorke, Helmut; and Luy, Johann-Friedrich, 4,857,972, Cl. 357-4.000.

  - Lutz, Manfred; and Reimer, Bernd, 4,877,700, Cl. 430-58.000.
  - Ostwald, Robert, 4,849,302, Cl. 428-621.000.
  - Preis, Erich, 4,828,049, Cl. 173-163.000.
  - Preis, Erich, 4,845,898, Cl. 51-170.0MT.
  - Schwerzel, Wolfgang; and Kummerfeldt, Georg, 4,800,425, Cl. 358-136.000.
  - Walther, Gerd-Jurgen; Wech, Herbert; and Wippich, Heinz-Georg, 4,832,425, Cl. 350-6.500.
  - Weidel, Edgar, 4,867,520, Cl. 350-96.160.
  - Wulff, Hans-Jurgen, 4,841,266, Cl. 335-16.000.
  - Zimmermann, Armin, 4,838,539, Cl. 271-305.000.
- Lich, Richard L.; and Siewert, Robert L., to Trackmobile, Inc. Railcar moving vehicle. 4,878,436, 11-7-89, Cl. 105-72.200.
- Lichac, Gerald J.: *See—*
  - Van Elderen, Daniel N.; and Lichac, Gerald J., 4,807,886, Cl. 273-356.000.
  - Van Elderen, Daniel N.; and Lichac, Gerald J., 4,875,459, Cl. 124-49.000.
- Lichau, James W.; Lichau, Patricia K.; and Hanson, Steven D., to Lichau, James W.; and Lichau, Patricia K. Barrier for utility pole. 4,799,340, 1-24-89, Cl. 52-170.000.
- Lichau, Patricia K.: *See—*
  - Lichau, James W.; Lichau, Patricia K.; and Hanson, Steven D., 4,799,340, Cl. 52-170.000.
- Lichfield, William H. Spray wand. 4,834,293, 5-30-89, Cl. 239-447.000.
- Licht, Brigitte H.: *See—*
  - Kanluen, Ratana; and Licht, Brigitte H., 4,874,827, Cl. 526-214.000.
- Licht, Harold J., to Texas Instruments Incorporated. Factory floor operator interface console. 4,827,439, 5-2-89, Cl. 364-708.000.
- Licht, Steven J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Liquid-phase-epitaxy deposition method in the manufacture of devices. 4,810,325, 3-7-89, Cl. 156-624.000.
- Licht, Stuart, to Massachusetts Institute of Technology. Polysulfide battery. 4,828,942, 5-9-89, Cl. 429-50.000.
- Lichtblau, George J. Antenna system for magnetic and resonant circuit detection. 4,866,455, 9-12-89, Cl. 343-742.000.
- Lichtblau, Leo, to Kloeckner-Humboldt-Deutz AG. Blower for delivering cooling air to internal combustion engines. 4,886,418, 12-12-89, Cl. 415-912.000.
- Lichtel, Richard L., Jr.; Pearce, Lawrence G.; and Matlock, Dryer A., to Harris Corp. Technique for forming planarized gate structure. 4,818,725, 4-4-89, Cl. 437-203.000.
- Lichtel, Richard L., Jr.: *See—*
  - Matlock, Dyer A.; and Lichtel, Richard L., Jr., 4,814,285, Cl. 437-24.000.
- Lichtenberg, Christopher L.: *See—*
  - Kobayashi, Herbert S.; Lichtenberg, Christopher L., Shores, Paul W.; and Cunningham, Allen R., 4,818,999, Cl. 342-59.000.
- Lichtenberg, Jose, to Designs by Master Markets, Inc. Irreversible tie strap with specialized clasp to permit the strap to be inserted through the clasp twice. 4,862,560, 9-5-89, Cl. 24-16.0PB.
- Lichtenberg, Jose, to Designs by Master Markets, Inc. Irreversible tie strap with specialized clasp. 4,862,561, 9-5-89, Cl. 24-16.0PB.
- Lichtenberg, Norman B.; Sponseller, Harold P.; and Totten, Jeffrey E., to Babcock Industries Inc. Manually operated and locked conduit length adjuster system. 4,854,185, 8-8-89, Cl. 74-501.50R.
- Lichtenberger, Harold V.: *See—*
  - Bryan, William J.; and Lichtenberger, Harold V., 4,832,905, Cl. 376-352.000.
- Lichtenberger, John A.; and Gamblin, Rodger L., to Burlington Industries, Inc. Electrodeposition-produced orifice plate of amorphous metal. 4,801,947, 1-31-89, Cl. 346-75.000.
- Lichtenberger, William J., to Robertshaw Controls Company. Burner control device and electrical switch unit assembly, parts therefor and methods of making the same. 4,843,198, 6-27-89, Cl. 200-61.860.
- Lichtenberger, William J.: *See—*
  - Llewellyn, David T.; and Lichtenberger, William J., 4,883,983, Cl. 307-112.000.
- Lichtenfels, Kurt K.: *See—*
  - Butler, John M., III; and Lichtenfels, Kurt K., 4,845,836, Cl. 29-596.000.
- Lichtensperger, Ernst. Arrangement of a module within a casing frame. 4,873,614, 10-10-89, Cl. 361-394.000.
- Lichtenstein, Cary. Multilayer fabric containing arcylic fire-retardant foam. 4,830,897, 5-16-89, Cl. 428-90.000.
- Lichter, Robert J. Safe with double sliding door. 4,850,287, 7-25-89, Cl. 109-59.00R.
- Lichter, Robert J. Sliding door safe with anti-intrusion lock device. 4,852,503, 8-1-89, Cl. 109-59.00R.
- Lichtfuss, Gerhardt E., to Sundstrand Corp. Self-aligning journal bearing. 4,840,498, 6-20-89, Cl. 384-213.000.
- Lichtin, Norman N.; DiMauro, Thomas M.; and Svrluga, Richard C., to Synlize, Inc. Catalytic process for degradation of organic materials in aqueous and organic fluids to produce environmentally compatible products. 4,861,484, 8-29-89, Cl. 210-638.000.
- Lichtman, Jeffrey W.; and Sunderland, William J., to Washington University. Kit for converting a standard microscope into a single aperture confocal scanning epi-illumination microscope. 4,884,880, 12-5-89, Cl. 350-507.000.
- Lichtman, Jeffrey W.; and Sunderland, William J., to Washington University. Single aperture confocal scanning epi-illumination microscope. 4,884,881, 12-5-89, Cl. 350-507.000.
- Lichtman, Philip: *See—*
  - Marquis, Joseph; and Lichtman, Philip, 4,845,646, Cl. 364-560.000.
- Lichtmann, Lawrence S.; and Parsons, James D., to Hughes Aircraft Company. Method for depositing materials containing tellurium and product. 4,828,938, 5-9-89, Cl. 428-689.000.
- Lichty, Maynard E.: *See—*
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  - Shepherd, Robin G.; Chai, Sie-Yearl; Lichty, Maynard E.; and Milowsky, Arnold S., 4,889,936, Cl. 548-149.000.
- Lichty, Ronald D.: *See—*
  - Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, Cl. 380-23.000.
- Lichvar, Jerry L. Knock-down animal cage. 4,819,582, 4-11-89, Cl. 119-17.000.
- Licinvest AG: *See—*
  - Ackeret, Peter, 4,798,015, Cl. 40-152.100.
  - Ackeret, Peter, 4,817,314, Cl. 40-513.000.
  - Ackeret, Peter, 4,860,472, Cl. 40-513.000.
  - Ackeret, Peter, 4,860,473, Cl. 40-513.000.
  - Ackeret, Peter, 4,869,006, Cl. 40-511.000.
  - Ackeret, Peter, 4,879,825, Cl. 40-513.000.
- Lickei, Donald L.; Rosin, Michael L.; and Shen, Ming, to Olin Corporation. Block co-polymers useful as aqueous dispersants. 4,847,410, 7-11-89, Cl. 562-583.000.
- Lickel, Charles W.: *See—*
  - Bank, Judith H.; Familetti, Harry G.; and Lickei, Charles W., 4,823,261, Cl. 364-200.000.
  - Familetti, Harry G.; Lickel, Charles W.; Mauri, Ross A.; Swallow, Mark E.; and Coltin, Janis L., 4,833,594, Cl. 364-200.000.
- Lidak Biopharmaceuticals: *See—*
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- Liddell, Margaret G.: *See—*
  - Crane, Herbert R.; and Liddell, Margaret G., 4,854,717, Cl. 366-197.000.
- Lidholm, Robert A.: *See—*
  - Miller, Michael A.; and Lidholm, Robert A., 4,804,336, Cl. 439-218.000.
- Lidinsky, William P.: *See—*
  - Hemmady, Jayant G.; Lidinsky, William P.; Nichols, Robert K.; Richards, Gaylord W.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., 4,872,157, Cl. 370-60.000.
  - Hemmady, Jayant G.; Lidinsky, William P.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., 4,872,159, Cl. 370-60.000.
  - Hemmady, Jayant G.; Lidinsky, William P.; Steele, Scott B.; Ulrich, Werner; and Weddige, Ronald C., 4,872,160, Cl. 370-60.000.
- Lidman, Magnus, to Alfa-Laval Agri International AB. Apparatus for production of milk concentrate. 4,800,808, 1-31-89, Cl. 99-453.000.
- Lidstrom, Lars. Treatment of middlings. 4,860,957, 8-29-89, Cl. 241-20.000.
- Lidy, Werner A.; and Thanh, Huy P., to BP Chemicals Limited. Preparation of polymer polyols. 4,831,076, 5-16-89, Cl. 524-701.000.
- Lidy, Werner A.: *See—*
  - Cloetens, Rudolpha C.; Lidy, Werner A.; and Thanh, Huy P., 4,883,832, Cl. 524-265.000.
  - Cloetens, Rudolphe C.; Lidy, Werner A.; Phillips, Brian D.; and Thomas, David B., 4,871,783, Cl. 521-137.000.
  - Fis, Joelle Y.; Lidy, Werner A.; Phillips, Brian D.; and Thomas, David B., 4,843,106, Cl. 521-107.000.
- Lie Angle Solutions, Inc.: *See—*
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- Lieb, Carl; and Mullinax, Jerry L., to Babcock & Wilcox Company, The. Spiral to vertical furnace tube transition. 4,864,973, 9-12-89, Cl. 122-510.000.
- Lieb, Folker: *See—*
  - Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,806,551, Cl. 514-415.000.
  - Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, 4,827,032, Cl. 564-90.000.
  - Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,868,332, Cl. 562-427.000.
  - Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Oediger, Hermann; Rosentreter, Ulrich; Boshagen, Horst; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,882,353, Cl. 514-456.000.
  - Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,886,898, Cl. 560-42.000.
  - Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,843,091, Cl. 514-419.000.
  - Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Niewohner, Ulrich; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, 4,853,406, Cl. 514-411.000.
- Lieb, M. Jeremy: *See—*
  - Friedle, Dennis J.; Kolb, Richard P.; and Lieb, M. Jeremy, 4,838,822, Cl. 440-86.000.
- Lieb, Margot. Food product peel catching device. 4,846,341, 7-11-89, Cl. 206-216.000.
- Liebe, Klaus: *See—*
  - Scholz, Dankmar; and Liebe, Klaus, 4,822,665, Cl. 428-222.000.

- Liebe, Reinhard; and Wochnowski, Waldemar, to Korber AG. Method and apparatus for making tobacco shreds. 4,799,501, 1-24-89, Cl. 131-299.000.
- Liebe, Werner: *See—*
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- Liebel, Christian; and Meyer, Udo, to GMN Georg Muller Nurnberg GmbH. Conveyor apparatus. 4,850,472, 7-25-89, Cl. 198-409.000.
- Liebel-Flarsheim Company: *See—*
  - Dieterlen, Paul E.; and Mustain, Lewis B., 4,845,733, Cl. 378-177.000.
  - Langer, Alois A.; and Rinne, Albert W., 4,812,724, Cl. 318-599.000.
  - Mustain, Lewis B., 4,829,547, Cl. 378-21.000.
- Liebel, Henry L., to Shippers Paper Products Company. Disposable valve. 4,801,124, 1-31-89, Cl. 251-149.400.
- Liebel, Henry L., to Shippers Paper Products Company. Combination laminated corrugated paper corner post. 4,865,201, 9-12-89, Cl. 206-586.000.
- Liebel, Richard J. Venting control device. 4,854,225, 8-8-89, Cl. 98-116.000.
- Liebelt, Ralph A.: *See—*
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- Lieber, Glen L.: *See—*
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- Lieber, Richard L., to University of California, The Regents of the. Method and apparatus for adaptive closed loop electrical stimulation of muscles. 4,838,272, 6-13-89, Cl. 128-421.000.
- Lieber, Thomas G., to Lieber, Thomas G. Pickup assembly for stringed musical instrument. 4,869,144, 9-26-89, Cl. 084-1.150.
- Lieberenz, Alfred: *See—*
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- Liebergesell, Bodo. Test circuit for setting the synchronization of a dual ignition system. 4,871,970, 10-3-89, Cl. 324-389.000.
- Liebergott, Norman; and Heitner, Cyril, to Pulp and Paper Research Institute of Canada. Multistage brightening of high yield and ultra high-yield wood pulps. 4,804,440, 2-14-89, Cl. 162-70.000.
- Lieberman, David M., to Lieberman, David M. Device for simultaneously forming two incisions along a path on an eye. 4,807,623, 2-28-89, Cl. 128-305.000.
- Lieberman, Don: *See—*
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- Lieberman, Ephraim; Bordoni, Maurice; and Thornton, Alfred, to Cadema Medical Products, Inc. Treatment of arthritis, including rheumatoid arthritis with ^{166}Holmium radionuclide. 4,849,209, 7-18-89, Cl. 424-1.100.
- Lieberman, Ephraim: *See—*
  - Bordoni, Maurice E.; and Lieberman, Ephraim, 4,823,784, Cl. 128-200.140.
- Lieberman, Howard H., to Allied-Signal Inc. Iron-based amorphous alloys containing cobalt. 4,834,815, 5-30-89, Cl. 148-304.000.
- Lieberman, Morton L., to United States of America, Energy. Spark-safe low-voltage detonator. 4,858,529, 8-22-89, Cl. 102-202.500.
- Lieberman, Robert A.: *See—*
  - Blyler, Lee L., Jr.; Cohen, Leonard G.; Lieberman, Robert A.; and MacChesney, John B., 4,834,496, Cl. 350-96.290.
  - Higbie, Francis A.; LieBerman, Robert A.; and Rose, Ira M., 4,876,384, Cl. 560-224.000.
- Lieberman, Sheldon; Trickett, Elizabeth; and Su, Sophia R., to GTE Laboratories Incorporated. Process for making a homogeneous doped silicon nitride article. 4,814,128, 3-21-89, Cl. 264-65.000.
- Lieberman, Sheldon I.: *See—*
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- Lieberman, Walter G., to Tol-O-Matic, Inc. Oscillatory actuator with direct contact shaft-shoulder to end cap seal. 4,817,504, 4-4-89, Cl 92-125.000.
- Lieberman, Walter G. Fluid powered linear slide. 4,829,880, 5-16-89, Cl. 92-14.000.
- Liebermann, George: *See—*
  - Loutfy, Rafik O.; Hor, Ah-Mee; Liebermann, George; Toth, Alan J; Hsiao, Cheng-Kuo; Carmichael, Kathleen M.; and Tokoli, Emery G., 4,882,254, Cl. 430-59.000.
- Liebermann, Howard H.; Wellslager, John A.; and Davis, Lance A., to Allied Corporation. Casting in an exothermic reduction atmosphere. 4,869,312, 9-26-89, Cl. 164-463.000.
- Liebers, Lutz: *See—*
  - Dassler, Hans-Ulrich; Haas, Ruediger; Loeffler, Gerhard; and Liebers, Lutz, 4,807,995, Cl. 356-240.000.
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- Liebert, Oskar; Theilacker, Klaus; and Meitinger, Johann, to MAN Roland Druckmaschinen AG. Printing cylinder positioning system. 4,833,982, 5-30-89, Cl. 101-177.000.
- Liebertz, Fred C.: *See—*
  - Mrotz, Walter C., III; Cool, Donald L.; and Liebertz, Fred C., 4,796,950, Cl. 297-302.000.
- Liebes, Sidney, Jr.: *See—*
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  - Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,821,157, Cl. 362-241.000.
- Liebherr-Verzahntechnik GmbH: *See—*
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- Liebich, Ernst, to Siemens Aktiengesellschaft. Sliding switch. 4,851,625, 7-25-89, Cl. 200-511.000.
- Liebiger, Martin: *See—*
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- Liebl, Helmut, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Compact double focussing mass spectrometer. 4,843,239, 6-27-89, Cl. 250-296.000.
- Liebl, Herbert; Roche, Peter; and Rank, Matthaeus, to Elastogran Polyurethane GmbH. Process for the preparation of coatings from polyurethane single component systems and steam. 4,816,542, 3-28-89, Cl. 528-59.000.
- Liebl, Josef, to MTU Motoren- und Turbinen-Union Munchen GmbH. Method and apparatus for optimizing the vane clearance in a multistage axial flow compressor of a gas turbine. 4,795,307, 1-3-89, Cl. 415-115.000.
- Liebl, Rainer; Frey, Michael; Mildenberger, Hilmar; Bauer, Klaus; and Bieringer, Hermann, to Hoechst Aktiengesellschaft. 1,2-disubstituted piperidines, processes for their preparation and their use in plant protection. 4,838,931, 6-13-89, Cl. 71-94.000.
- Liebl, Rudolf, to EgoKiefer AG. Method and injection molding tool for producing link belts. 4,806,405, 2-21-89, Cl. 428-52.000.
- Liebl, Rudolf; and Bosshard, Ernst, to EgoKiefer AG. Method for making flexible link belts. 4,830,809, 5-16-89, Cl. 264-257.000.
- Liebl, Rudolf; and Bosshard, Ernst, to EgoKiefer AG. Flexible link belt. 4,842,571, 6-27-89, Cl. 474-204.000.
- Liebler, Jerome E.: *See—*
  - Turner, John E.; and Liebler, Jerome E., 4,852,044, Cl. 364-900.000.
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  - Burger, Walter; Liebman, Arnold A.; and Berry, Clark W., 4,869,895, Cl. 424-1.100.
- Liebold, Gert: *See—*
  - Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, 4,810,404, Cl. 252-75.000.
  - Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, 4,827,008, Cl. 556-466.000.
- Liebthal, Siegfried G. V.; and King, Feather W. One piece molded magnet enclosure. 4,810,987, 3-7-89, Cl. 335-302.000.
- Liechti, Hans-Peter, to Ascom Hasler AG. System for release and control of preset storage of a postage meter machine. 4,807,139, 2-21-89, Cl. 364-464.020.
- Liechti, Pierre, to List AG. Mixing kneader with kneading forks. 4,889,431, 12-26-89, Cl. 366-99.000.
- Liechty, Deryli, to Micro-Precision Operations Inc. Apparatus for compressing a retainer ring to assembly size. 4,856,169, 8-15-89, Cl. 29-283.000.
- Lied, Thomas: *See—*
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- Liedek, Egon; and Haegele, Gerhard, to BASF Lacke ± Farben Aktiengesellschaft. Zinc and/or lead salts of carboxylic acids and their use as corrosion inhibitors. 4,830,775, 5-16-89, Cl. 252-389.520.
- Liedek, Egon: *See—*
  - Knittel, Helmut; Bauer, Roland; Liedek, Egon; and Etzrodt, Guenter, 4,844,741, Cl. 106-436.000.
- Lieder-Maschinenbau GmbH & Co. KG: *See—*
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  - Nordmeyer, Manfred; and Grune, Helmut, 4,842,026, Cl. 141-1.000.
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  - Maack, Werner; Gerst, Michael; and Liedloff, Manfred, 4,888,867, Cl. 29-857.000.
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  - Banzhaf, Werner; Eblen, Ewald; Faber, Heinrich; Giersch, Rolf J.; Hofmann, Karl; Liedtke, Dieter; and Norberg, Helmut, 4,801,095, Cl. 239-533.300.
- Liedtke, Kurt: *See—*
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  - Focke, Heinz; and Liedtke, Kurt, 4,829,752, Cl. 53-379.000.
  - Focke, Heinz; and Liedtke, Kurt, 4,840,007, Cl. 53-137.000.
  - Focke, Heinz; and Liedtke, Kurt, 4,840,321, Cl. 242-58.600.
  - Focke, Heinz; and Liedtke, Kurt, 4,856.538, Cl. 131-282.000.
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- Liegl, Werner: *See—*
  - Reimann, Udo; and Liegl, Werner, 4,843,467, Cl. 358-135.000.

Liegner, Kenneth B. Catheter system. 4,803,999, 2-14-89, Cl. 128-763.000.

Liehr, Manfred R., to U.S. Philips Corporation. Method of soldering aluminum-oxide ceramic components. 4,807,796, 2-28-89, Cl. 228-121.000.

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Lien, Larry A., to Desalination Systems, Inc. Spiral-wound membrane with improved permeate carrier. 4,802,982, 2-7-89, Cl. 210-247.000.

Lien, Per, to Innotech S.A. Adjustable securing means for joining two components together. 4,846,622, 7-11-89, Cl. 411-366.000.

Lien, Sheue-Ling; Shantz, Michael J.; Evans, Jerald R.; Ergene, Serdar; and Carrie, Susan E., to Sun Microsystems, Inc. Method and apparatus for rendering vectors using bresenham parameters. 4,855,935, 8-8-89, Cl. 364-521.000.

Lien, Yeong-Chang: *See—*

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Lebizay, Gerald; Lien, Yeong-Chang; and Taso, Michael M., 4,817,094, Cl. 371-36.000.

Lebizay, Gerald; Lien, Yeong-Chang; Maruyama, Kioshi; and Schuster, Stanley E., 4,833,670, Cl. 370-58.000.

Lien, Yeong-Chang L.: *See—*

Georgiou, Christos J.; Lien, Yeong-Chang L.; and Maruyama, Kiyoshi, 4,879,551, Cl. 340-825.870.

Lien, Yih-Liang L., to GTX Corporation. Apparatus and method for vectorization of incoming scanned image data. 4,817,187, 3-28-89, Cl. 382-56.000.

Lienart, Jean-Pierre, to Malico S.A. Insulated anchoring clamp for insulated electric conductor equipped with a carrying cable. 4,872,626, 10-10-89, Cl. 248-63.000.

Lienbacher, Richard: *See—*

Sommer, Arnold; and Lienbacher, Richard, 4,804,320, Cl. 425-65.000.

Sommer, Arnold; Lienbacher, Richard; and Herzog, Guido, 4,824,350, Cl. 425-63.000.

Lienenluke, Paul: *See—*

Helmes, Ludger; and Lienenluke, Paul, 4,888,850, Cl. 15-359.000.

Lienhard, Paul, to Ciba-Geigy Corporation. Metal complexes of substituted 4-(2-carboxy-phenylazo-5-pyrazolones. 4,847,365, 7-11-89, Cl. 534-710.000.

Lienhard, Paul; and Jaffe, Edward E., to Ciba-Geigy Corporation. Thermoplastics containing a nickel complex pigment. 4,866,112, 9-12-89, Cl. 524-87.000.

Lienow, Michael: *See—*

Bosse, Gerhard R.; Lienow, Michael; Spiegel, Bernt; and Kruse, Bernd O., 4,875,652, Cl. 248-311.200.

Liepe, Steven F., to Tektronix, Inc. High voltage regulator for CRT anode voltage supply. 4,808,906, 2-28-89, Cl. 323-223.000.

Liepins, Leila Z.: *See—*

Liepins, Raimond; Jorgensen, Betty S.; and Liepins, Leila Z., 4,876,032, Cl. 252-500.000.

Liepins, Raimond; Jorgensen, Betty S.; and Liepins, Leila Z., to United States of America, Energy. Process for introducing electrical conductivity into high-temperature polymeric materials. 4,876,032, 10-24-89, Cl. 252-500.000.

Liepse, Robert K. Chain-keeper. 4,805,889, 2-21-89, Cl. 269-210.000.

Lierke, Ernst-Gunter; Grossbach, Rudolf; Heide, Wolfgang; Flogel, Karl; and Junger, Martin, to Battelle-Institut E.V. Liquid atomizer. 4,798,332, 1-17-89, Cl. 239-102.200.

Lierman, James C.: *See—*

McCoy, Ned R.; and Lierman, James C., 4,869,912, Cl. 426-123.000.

Liermann, Norbert: *See—*

Kettner, Roland; Liermann, Norbert; and Lubcke, Torsten, 4,857,297, Cl. 423-576.800.

Liermann, Peter: *See—*

Gudat, Wolfgang; Liermann, Peter; and Binarsch, Jurgen, 4,827,415, Cl. 364-424.050.

Liesch, ingrid: *See—*

Dassler, Joachim; Girod, Detlef; Kramer, Klaus; and Liesch, Ingrid, 4,837,477, Cl. 313-25.000.

Liesch, Jerrold M.: *See—*

Burg, Richard W.; Dulaney, Eugene L.; Hensens, Otto D.; Liesch, Jerrold M.; Ondeyka, John G.; and Wichmann, Carol F., 4,871,727, Cl. 514-179.000.

Huang, Leeyuan; Koupal, Lawrence; Dunn, Joseph, Jr.; Liesch, Jerrold M.; Hensens, Otto; and Woodruff, H. Boyd, 4,874,745, Cl. 514-18.000.

Schwartz, Robert E.; Onishi, Janet C.; Monaghan, Richard L.; Liesch, Jerrold M.; and Hensens, Otto D., 4,847,284, Cl. 514-424.000.

Sesin, David F.; and Liesch, Jerrold M., 4,868,208, Cl. 514-475.000.

Wilson, Kenneth E.; Flor, James E.; Hensens, Otto D.; Liesch, Jerrold M.; and Reamer, Robert A., 4,816,448, Cl. 514-99.000.

Liese-Sauer, Thomas: *See—*

Hagen, Helmut; Eichenauer, Ulrich; Kohler, Rolf-Dieter; Plath, Peter; Liese-Sauer, Thomas; Eicken, Karl; Wuerzer, Bruno; and Meyer, Norbert, 4,804,404, Cl. 71-94.000.

Lieser, Karl, to Wera Werk Hermann Werner GmbH & Co. Fly-cutter milling machine. 4,863,321, 9-5-89, Cl. 409-165.000.

Lieser, Karl, to Wera Werk Hermann Werner GmbH & Co. Fly-cutter milling machine. 4,883,392, 11-28-89, Cl. 409-165.000.

Lieser, Karl, to Wera Werk Hermann Werner GmbH & Co. Screw tool. 4,884,478, 12-5-89, Cl. 81-59.100.

Lieser, Thomas: *See—*

Dankowski, Manfred; Lieser, Thomas; Prescher, Gunter; Leonhardt, Wolfgang; and Diehl, Manfred, 4,879,057, Cl. 252-99.000.

Lieske, Edgar: *See—*

Konrad, Guenther; Moeller, Hinrich; and Lieske, Edgar, 4,828,568, Cl. 8-408.000.

Rose, David; Lieske, Edgar; and Maak, Norbert, 4,832,697, Cl. 8-429.000.

Rose, David; Maak, Norbert; and Lieske, Edgar, 4,838,893, Cl. 8-405.000.

Rose, David; Lieske, Edgar; and Maak, Norbert, 4,842,612, Cl. 8-411.000.

Rose, David; Lieske, Edgar; Hoeffkes, Horst; and Maak, Norbert, 4,859,206, Cl. 8-429.000.

Lieske, Normen; and Seichter, Werner, to Siemens Aktiengesellschaft. Method and arrangement for testing mega-bit memory modules with arbitrary test patterns in a multi-bit test mode. 4,841,525, 6-20-89, Cl. 371-21.000.

Liess, Hans D.; and Heinze, Roland, to Siemens Aktiengesellschaft. Measuring instrument for intracardial acquisition of the blood oxygen saturation of a patient for controlling the pacing rate of a heart pacemaker. 4,807,632, 2-28-89, Cl. 128-634.000.

Liess, Hans D.: *See—*

Heinze, Roland; and Liess, Hans D., 4,870,967, Cl. 128-419.0PG.

Liess, Hans-Dieter: *See—*

Heinze, Roland; and Liess, Hans-Dieter, 4,877,032, Cl. 128-419.0PG.

Liet, Cornelis H. Apparatus for cutting sheet-like material. 4,846,034, 7-11-89, Cl. 83-157.000.

Lietaer, Bernard: *See—*

Montaigne, Michael D.; and Lietaer, Bernard, 4,865,155, Cl. 182-14.000.

Lieu, Tam T. Water walking shoes. 4,801,284, 1-31-89, Cl. 441-76.000.

Lievens, Hugo; and Coppens, Wilfried, to N.V. Bekaert S.A. Vacuum apparatus and feed-through elements therefor. 4,811,583, 3-14-89, Cl. 72-38.000.

Lievens, Hugo; and Coppens, Wilfried, to N. V. Bekaert S.A. Steel substrate with brass covering layer for adhesion to rubber. 4,828,000, 5-9-89, Cl. 152-451.000.

Lievens, Hugo: *See—*

Coppens, Wilfried; Chambaere, Daniel; and Lievens, Hugo, 4,883,722, Cl. 428-625.000.

Lievens, Ronald J.: *See—*

Johnson, Tedd P.; and Lievens, Ronald J., 4,830,274, Cl. 236-1.00B.

Lievense, Jefferson C.; Sawyer, Joanna D.; and Terpolilli, Anthony J., to Eastman Kodak Company. High temperature method for the production of ribavirin. 4,840,898, 6-20-89, Cl. 435-87.000.

Lievesley, John B., to Autoroofs Limited. Method of making vehicle sunroofs. 4,815,194, 3-28-89, Cl. 29-514.000.

Lievestro, Louis; Kelm, James S.; Ludwig, Arthur L.; Maclin, Harvey M.; and Wakeman, Thomas G., to General Electric Company. Sheet metal panel. 4,796,423, 1-10-89, Cl. 60-39.330.

Lievin, Camus: *See—*

Edouard, Bridoux; Lievin, Camus; Christian, Bruneel; Marc, Gazalet; and Torguet, Roger, 4,799,777, Cl. 350-358.000.

Lievin, Robert, to Cipel & Les Piles Wonder. Bicycle lamp device. 4,845,599, 7-4-89, Cl. 362-72.000.

Life Loc, Inc.: *See—*

Lopez, Benjamin L.; Beard, Steven A.; and Phillips, Kirby, 4,874,299, Cl. 417-413.000.

Life Resonances, Inc.: *See—*

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Life Science Research Israel Ltd: *See—*

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Life Support Products, Inc.: *See—*

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Fangrow, Thomas F., Jr.; and Lim, Sam C., 4,880,411, Cl. 604-149.000.

Life Support Systems, Inc.: *See—*

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Life Systems, Inc.: *See—*

Schmidt, Robert N.; and Petruschke, Haans K., 4,838,901, Cl. 55-74.000.

Life Technologies, Inc.: *See—*

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Challberg, Sharon S.; and Kiser, Randall, 4,822,742, Cl. 435-310.000.

Colvin, Arthur E.; Hanley, Matthew W.; and Hetrick, Richard C., 4,869,398, Cl. 222-83.000.

Flesher, Robert W.; Berninger, Mark S.; and Blakesley, Robert W., 4,889,610, Cl. 204-299.00R.

Hartley, James L.; and Berninger, Mark S., 4,808,519, Cl. 435-6.000.

Klevan, Leonard; Gebeyehu, Gulilat; and Rao, Prasad Y., 4,828,979, Cl. 435-6.000.

Lorincz, Attila T., 4,849,331, Cl. 435-5.000.

Lorincz, Attila T., 4,849,332, Cl. 435-5.000.

Lorincz, Attila T., 4,849,334, Cl. 435-5.000.

Lifeblood Advanced Blood Bank Systems, Inc.: *See—*

Harms, Frank M.; Tripp, Victor; and Wells, Thomas B., 4,874,915, Cl. 219-10.55F.

Lifecodes Corporation: *See—*

Wijangco, Antonio; Guarino, Theresa; and Zahensky, Robert, 4,863,582, Cl. 204-299.00R.

Lifeline Limited: *See—*

Bellm, Howard G., 4,848,334, Cl. 128-207.110.

Lifeline Systems, Inc.: *See—*

Shapiro, L. Dennis, 4,884,059, Cl. 340-514.000.

Shapiro, L. Dennis, 4,884,060, Cl. 340-514.000.

LifeLines Technology, Inc.: *See—*

Bhattacharjee, Himangshu R., 4,812,053, Cl. 374-102.000.

Lifeprotech, Inc.: *See—*

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Lifestyle International, Inc.: *See—*

Shick, Lawrence A., 4,799,521, Cl. 150-107.000.

Lifetime Products, Inc.: *See—*

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Nye, Stephen F., 4,846,469, Cl. 273-1.50R.

Nye, Stephen F., 4,881,734, Cl. 273-1.50R.

Lifetouch National School Studios Inc.: *See—*

Kallenberg, Karl J., 4,832,482, Cl. 353-120.000.

Kallenberg, Karl J., 4,843,410, Cl. 354-77.000.

Kallenberg, Karl J.; and Harvey, Ronald B., 4,847,645, Cl. 354-77.000.

Liffmann, Stanley M.: *See—*

Qureshi, Humayun; Liffmann, Stanley M.; Webster, Milo E.; and Geiselman, Theodore S., 4,859,422, Cl. 422-81.000.

Lifson, Jeffrey D.; McGrath, Michael S.; Yeung, Hin-Wing; and Hwang, Kou M., to Gene Labs, Inc.; and University of California, Regents of. Method of inhibiting HIV. 4,795,739, 1-3-89, Cl. 514-8.000.

Lifson, Jeffrey D.; McGrath, Michael S.; Yeung, Hin-Wing; and Hwang, Kuo, to Genelabs Incorporated. Method of selectively inhibiting HIV. 4,869,903, 9-26-89, Cl. 424-195.100.

Lift-Tech International, Inc.: *See—*

Stevens Jr., Howard C., 4,828,077, Cl. 188-171.000.

Verbos, Stephen P., 4,841,215, Cl. 318-757.000.

Lift Verkaufsgerate-Gesellschaft m.b.H.: *See—*

Schubert, Otto, 4,819,813, Cl. 211-41.000.

Lifting Technologies, Inc.: *See—*

Johnson, Roy L., 4,884,454, Cl. 73-788.000.

Ligacz, Herbert; Heimann, Alfred; Klosterhalfen, Hartwig; and Wittkopp, Helmut, to Wilhelm Hegenscheidt GmbH. Method and apparatus for ascertaining the radial location of a new wheel profile to be produced by a reprofiling operation. 4,802,285, 2-7-89, Cl. 33-551.000.

Ligacz, Herbert: *See—*

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Ligensa, Karl: *See—*

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Liger, Marc: *See—*

LeFort, Gilbert; Liger, Marc; Walraet, Jean; and Boutmy, Patrick, 4,845,711, Cl. 370-102.000.

Liggett, James R. Combined package and dish for a soap bar product. 4,858,757, 8-22-89, Cl. 206-77.100.

Liggett, Louis: *See—*

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Liggett, Robert E.: *See—*

Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,989, Cl. 300-21.000.

Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., 4,811,990, Cl. 300-21.000.

Liggett, William T.: *See—*

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Liggins, Brian D.; Round, Timothy S.; Welch, Stuart J.; and Reynolds, Gordon F., to British Steel Corporation. Joints for tubular members. 4,796,923, 1-10-89, Cl. 285-27.000.

Light, Bruce D.; and Louviere, Dennis P., to Shell Pipe Line Corporation. Wellhead assembly for injection wells. 4,832,128, 5-23-89, Cl. 166-377.000.

Light, Fred W., Jr.; Hood, James D.; and Chang, Yeong-Ho, to Eastman Kodak Company. Polyurethane powder coating compositions. 4,859,760, 8-22-89, Cl. 528-45.000.

Light, Greta G.: *See—*

Osterhout, Ralph F.; Howard, Paul L.; and Light, Greta G., 4,876,632, Cl. 362-183.000.

Light, Janice A.: *See—*

Molin, Soren; Light, Janice A.; and Larsen, Jens E. L., 4,806,471, Cl. 435-68.000.

Light, Ronald R., to Eastman Kodak Company. Reinforced polyester molding compositions. 4,803,237, 2-7-89, Cl. 524-385.000.

Light, Ronald R., to Eastman Kodak Company. Injection moldable glass fiber reinforced polyester with improved surface finishes. 4,810,744, 3-7-89, Cl. 524-494.000.

Light, Ronald R.; and Seymour, Robert W., to Eastman Kodak Company. Compatible tricomponent polymer blends. 4,879,355, 11-7-89, Cl. 525-439.000.

Light and Shadow, Inc.: *See—*

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Light Signatures, Inc.: *See—*

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Goldman, Robert N., 4,795,890, Cl. 235-380.000.

Goldman, Robert N., 4,811,408, Cl. 382-2.000.

Goldman, Robert N., 4,837,840, Cl. 382-7.000.

Katz, Ronald A.; and Goldman, Robert N., 4,816,824, Cl. 340-825.340.

Tucker, Frank D.; and Nunley, Leonard, 4,807,287, Cl. 380-23.000.

Light and Sound Specialties, Inc.: *See—*

Altman, Peter W., 4,851,972, Cl. 362-267.000.

Light Wave Electronics Co.: *See—*

Kane, Thomas J., 4,797,896, Cl. 372-94.000.

Light, William G.: *See—*

Tran, Chinh N.; Chu, Hong C.; and Light, William G., 4,830,885, Cl. 427-245.000.

Lightgraphix Limited: *See—*

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Lighthart, Eric L.; Hahn, Robert A.; Lindstrom, Jean M.; and Rummell, Jon R., to Systech Corporation. Computer communications subsystem using an embedded token-passing network. 4,845,609, 7-4-89, Cl. 364-200.000.

Lighting Technology, Inc.: *See—*

Groh, Allen R., 4,841,422, Cl. 362-294.000.

Lightner Associates Inc.: *See—*

Lightner, John J.; and Samaan, Nassim A., 4,795,526, Cl. 156-584.000.

Lightner, John J.; and Samaan, Nassim A., to Lightner Associates Inc. Detaping apparatus. 4,795,526, 1-3-89 Cl. 156-584.000.

Lightning Diversion Systems: *See—*

Amason, Myron P.; Schroeder, John E.; and Alsenz, Evert C., 4,796,153, Cl. 361-218.000.

Lightning Location and Protection, Inc.: *See—*

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Lightolier, Inc.: *See—*

Carson, Steven R.; Griffin, Raymond T.; and Spear, Scott A., 4,880,950, Cl. 200-547.000.

Slovak, Michael J.; Griffin, Raymond T.; and Carson, Steven R., 4,871,893, Cl. 200-16.00R.

Lightwave Electronics Corporation: *See—*

Kane, Thomas J., 4,829,532, Cl. 372-20.000.

Scerbak, David G.; Pearson, Leonard P.; and Dutcher, John A., 4,827,485, Cl. 372-107.000.

Ligi, Joseph J.: *See—*

Piotrowski, Andrzej M.; and Ligi, Joseph J., 4,875,941, Cl. 134-11.000.

Ligocki, Terry J.; and Borgwardt, Peter A. Method and apparatus for rendering an image from data arranged in a constructive solid geometry format. 4,888,583, 12-19-89, Cl. 340-729.000.

Ligon Brothers Manufacturing Company: *See—*

Ligon, James T., Sr.; Coon, Thomas L.; and Peters, Joseph R., 4,810,548, Cl. 428-71.000.

Ligon, James M.: *See—*

Zablotowicz, Robert M.; Upchurch, Robert G.; and Ligon, James M., 4,863,866, Cl. 435-252.200.

Ligon, James T., Sr.; Coon, Thomas L.; and Peters, Joseph R., to Ligon Brothers Manufacturing Company. Sandwich seal fixture. 4,810,548, 3-7-89, Cl. 428-71.000.

Ligotti, Carlo: *See—*

Jandeska, William F.; Rezhets, Vadim; and Ligotti, Carlo, 4,849,164, Cl. 419-11.000.

Jandeska, William F., Jr., Rezhets, Vadim; and Ligotti, Carlo, 4,886,637, Cl. 419-12.000.

Ligtenberg, Adrianus: *See—*

Cash, Glenn L.; Hatamian, Mehdi; and Ligtenberg, Adrianus, 4,887,233, Cl. 364-757.000.

Ligtenberg, Martinus A. C.; and Simons, August L. H., to U.S. Philips Corporation. Method of vapor depositing a luminescent layer on the screen of an x-ray image intensifier tube. 4,842,894, 6-27-89, Cl. 427-65.000.

Li-Gung, Lee: *See—*

Iue-Tzung, Hung; Wen-Cherng, Jang; and Li-Gung, Lee, 4,847,922, Cl. 4-247.000.

Lih-Sheng, Ke. Dental and throat cleaning system. 4,862,876, 9-5-89, Cl. 128-66.000.

Lii, Jong T. Faucet structure. 4,840,351, 6-20-89, Cl. 251-230.000.

Liisberg, Sven: *See—*

Binderup, Ernst T.; and Liisberg, Sven, 4,870,063, Cl. 514-79.000.

Lijoi, Andrea L.: *See—*

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Likes, Bart E.: *See—*

Herman, Elvin E.; and Likes, Bart E., 4,859,844, Cl. 250-231.00P.

Likhite, Vilas V. Novel mutant strain of *Listeria monocytogenes* and its use in production of IgM antibodies and as an immunotherapeutic agent. 4,816,253, 3-28-89, Cl. 424-92.000.

Likins, Merle R., Jr., to Applied Automation, Inc. Monitoring and control of a furnace. 4,815,965, 3-28-89, Cl. 431-12.000.

Lil' Beaver Company: *See—*

Bright, Clarence K., 4,876,768, Cl. 17-64.000.

Lil' Duke Sprinkler, Inc.: *See—*

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LIL Industries Ltd.: *See—*

Balek, Lynn A., 4,854,540, Cl. 248-503.000.

Li'l Mort Sales: *See—*

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Liland, Alfred L.: *See—*

Li, Hsin L.; Oswald, Hendrikus J.; and Liland, Alfred L., 4,802,268, Cl. 28-254.000.

Lilbok, Ljudmila A.: *See—*
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Lile, Charles R.: *See—*
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Lile, William R.: *See—*
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Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Graybill, John K.; and Lutz, Eugene G., 4,873,315, Cl. 570-130.000.
Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Graybill, John K.; and Lutz, Eugene G., 4,885,414, Cl. 570-130.000.
Liles, Kemp C. Mechanic workstand. 4,800,987, 1-31-89, Cl. 182-92.000.
Lilie, Kenneth R., to CPI Sales, Inc. Solids screens. 4,820,407, 4-11-89, Cl. 209-397.000.
Lilienthal, Walter B., to Conoco Inc. Oil removal from waterflooding injection water. 4,836,935, 6-6-89, Cl. 210-788.000.
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Lilja, David J.; Zacher, A. Richard; and Wierenga, Steven W., to Tandem Computers Incorporated. Multiprocessor bus protocol. 4,888,684, 12-19-89, Cl. 364-200.000.
Lilja, Jan E.; and Nilsson, Sven E., to AB Leo. Tobacco compositions, method and device for releasing essentially pure nicotine. 4,848,376, 7-18-89, Cl. 131-352.000.
Lilje, James J.: *See—*
Cucchiari, Joseph, deceased; Lilje, James J.; and Mita, Makoto, 4,831,538, Cl. 364-443.000.
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Liljegren, Leif; and Scanlan, Harry J., to Liljegren, Leif; and Scanlan, Harry J., a part interest. Central space heating apparatus. 4,815,526, 3-28-89, Cl. 165-48.100.
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Liljestrom, Goran; and Johansson, Bengt, to Gotaverken Arendal AB. Ice-breaking vessel. 4,831,951, 5-23-89, Cl. 114-41.000.
Liljestrom, Goran; and Johansson, Bengt, to Gotaverken Arendal AB. Ice breaker vessel. 4,860,679, 8-29-89, Cl. 114-40.000.
Liljestrom, William P.: *See—*
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Lill, Helmut: *See—*
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Lill, Mark P.; Li, Edward E.; and Sun, Koushun, to Motorola Inc. Ignition misfire detector. 4,886,029, 12-12-89, Cl. 123-479.000.
Lill, Robert J. Pull apart fishing weight. 4,819,364, 4-11-89, Cl. 43-43.100.
Lill, Thomas M. Weather data transmitting system. 4,839,645, 6-13-89, Cl. 340-870.170.
Lill, Thomas M., to Optical Communications Corp. Optical communications transmitter and receiver. 4,852,128, 7-25-89, Cl. 375-117.000.
Lillan Vernon Corporation: *See—*
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Lilley, Arthur W.: *See—*
Mallory, Charles W.; Watts, Ralph E.; Sanner, William S., Jr.; Disibio, Ralph R.; Lilley, Arthur W.; Winston, Steven J.; Stricklin, Billy C.; and Razor, John E., 4,845,372, Cl. 250-506.100.
Lilley, Geroge M., to Allen, J. Warren. Recovery in the phosphate ore double flotation process. 4,867,867, 9-19-89, Cl. 209-166.000.
Lilley, Glen R.: *See—*
Hampton, Keith; Krzysik, Don J.; and Lilley, Glen R., 4,841,924, Cl. 123-90.150.
Lilley, Joseph Y.: *See—*
Buffington, Robert D.; and Lilley, Joseph Y., 4,798,460, Cl. 356-124.000.
Lilley, Martin A.; and Wesolowski, Jan S., to Ampex Corporation. Digital-based phase control system. 4,819,196, 4-4-89, Cl. 364-602.000.
Lilley, Robert O., to Vetco Gray Inc. Annulus sliding sleeve valve. 4,848,457, 7-18-89, Cl. 166-87.000.
Lillicrap, Douglas C., to Electricity Council, The. Electromagnetic valve. 4,805,669, 2-21-89, Cl. 137-827.000.
Lillie, Christian: *See—*
Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, 4,871,735, Cl. 514-213.000.
Lillie, Jean L., to Iowa State University Research Foundation, Inc. Knee rehabilitation restraint. 4,848,325, 7-18-89, Cl. 128-25.00R.
Lillie, Lloyd D.: *See—*
Hargrove, James L.; Lillie, Lloyd D.; and Whittaker, Arthur T., 4,819,860, Cl. 228-668.000.
Lillig, John E.: *See—*
Seymour, Daniel B.; Theobald, Paul E.; and Lillig, John E., 4,835,110, Cl. 436-517.000.
Lillington, David R.: *See—*
Dill, Hans G.; and Lillington, David R., 4,838,952, Cl. 136-256.000.
Lilliwyte Societe Anonyme: *See—*
Barrow, Peter; and Wright, Michael L., 4,797,332, Cl. 429-104.00
Bones, Roger J.; Galloway, Roy C.; Coetzer, Johan; and Teagle, David A., 4,795,685, Cl. 429-104.000.
Coetzer, Johan; and Wedlake, Roger J., 4,797,333, Cl. 429-103.000.
Coetzer, Johan; and Wedlake, Roger J., 4,846,943, Cl. 204-61.000.
Lillo, Aarne: *See—*
Misic, George J.; Lillo, Aarne; Patrick, John L.; and Holland, G. Neil, 4,797,617, Cl. 324-322.000.
Lillotte, Wolfgang: *See—*
Baehr, Bernd D.; Rall, Ulrich; van Delden, Hildegard; and Lillotte, Wolfgang, 4,880,566, Cl. 252-389.220.
Lillquist, Robert D.: *See—*
Case, Allen W., Jr.; Lillquist, Robert D.; and Sundell, Robert E., 4,859,830, Cl. 219-130.010.
Lilly, Carol. Foldable playtray. 4,872,410, 10-10-89, Cl. 108-26.000.
Lilly, David J.: *See—*
Nashner, Lewis M.; Black, F. Owen; and Lilly, David J., 4,830,024, Cl. 178-787.000.
Lilly Industries Limited: *See—*
Baker, Stephen R.; and Todd, Alec, 4,845,110, Cl. 514-381.000.
Baker, Stephen R.; and Todd, Alec, 4,886,885, Cl. 514-381.000.
Cullinan, George J.; Rowland, George F.; and Simmonds, Robi G., 4,845,200, Cl. 530-391.000.
Finch, Mark A. W.; and Harris, John R., 4,801,735, Cl. 560-75.00
Hunter, William H., 4,841,056, Cl. 546-68.000.
Schweiger, Bernard; and Wagner, Alfred, 4,822,618, Cl. 424-453.000.
Lilly, Norman R.: *See—*
Manduley, Flavio; and Lilly, Norman R., 4,848,062, Cl. 53-411.00
Lilly, Roger A.: *See—*
Davis, Jeffrey A.; Bach, Glenn W.; Cottrell, Don M.; and Lil Roger A., 4,813,761, Cl. 350-162.150.
Lillywhite, M. James; and Horn, Michael J., to Baker Hughes. Doub shell thickener. 4,840,283, 6-20-89, Cl. 220-5.00A.
Lily Corporation: *See—*
Haluda, Raymond P.; and Trout, John F., 4,828,148, C 222-134.000.
Trout, John F., 4,798,502, Cl. 450-269.000.
Lim, Chun B.; Chaney, Richard; Jih, Felix; Johnson, Tim; and Kin Steven E., to Technicare Corporation. Smooth dot density spa distortion correction in photon imaging devices. 4,808,826, 2-28-8 Cl. 250-363.00R.
Lim, Drahoslav; and Kulkarni, Chidambar L., to Barnes-Hind, In Novel siloxanyl acrylic monomer and gas-permeable contact len made therefrom. 4,861,840, 8-29-89, Cl. 525-326.500.
Lim, Esther H.: *See—*
Ranger, Michael H.; Lim, Esther H.; and Grady, Robert 4,841,343, Cl. 355-77.000.
Lim, Hoei B.: *See—*
Wilson, Harold R.; Lim, Hoei B.; Gingrich, Bryan R.; and Kitch Michael R., 4,862,659, Cl. 52-221.000.
Lim, Hong S.; and Verzwyvelt, Scott A., to Hughes Aircraft Compa Extended life nickel-hydrogen storage cell. 4,820,597, 4-11-89, C 429-50.000.
Lim, Jae S.: *See—*
Martinez, Dennis M.; and Lim, Jae S., 4,838,685, Cl. 352-85.00
Lim, Mu-Ill; and Anderson, James S., to Clairol Incorporated. Sul containing nitroaminobenzene dyes, process and hair dye compo tions. 4,799,934, 1-24-89, Cl. 8-414.000.
Lim, Sam C.: *See—*
Fangrow, Thomas F., Jr.; and Lim, Sam C., 4,880,411, C 604-149.000.
Lim, Samson: *See—*
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Raa William; Yoneda, Robert; and Lucas, Keith, 4,829,569, C 380-10.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Raa William; Yoneda, Robert; and Lucas, Keith, 4,866,770, C 380-20.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Raa William; Yoneda, Robert; and Lucas, Keith, 4,890,319, C 380-5.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Raa William; Yoneda, Robert; and Lucas, Keith, 4,890,321, C 380-20.000.
Lim, Shun P. Catheter tip polarographic lactic acid and lactate sen for extended use in vivo. 4,830,011, 5-16-89, Cl. 128-635.000.
Lim, Soon K.: *See—*
Kim, Myung S.; Kang, Hyun S.; Lim, Soon K.; and Park, Hee 4,874,712, Cl. 437-31.000.
Lim Technology Laboratories, Inc.: *See—*
Bohm, Howard A.; and Friend, Deborah R., 4,844,896, C 424-89.000.
Bohm, Howard A., 4,857,335, Cl. 424-455.000.
Lim, Thomas F.: *See—*
Bujalski, Duane R.; LeGrow, Gary E.; Lipowitz, Jonathan Lim, Thomas F., 4,824,918, Cl. 525-479.000.
Bujalski, Duane R.; Le Grow, Gary E.; Lipowitz, Jonathan Lim, Thomas F., 4,889,899, Cl. 525-479.000.
Lim, Timothy, to Dow Chemical Company, The. Surfactant comp tions for steamfloods. 4,820,429, 4-11-89, Cl. 252-8.554.

Lim, Tuan-Kay, to NCR Corporation. Document illuminating apparatus using light sources A, B, and C in periodic arrays. 4,814,630, 3-21-89, Cl. 250-578.000.
Lim, Wah L.; and Zeman, Francis H., to Honeywell Inc. Laser gyro system. 4,824,252, 4-25-89, Cl. 356-350.000.
Lima, Aldo M.: *See—*
Guerrant, Richard L.; and Lima, Aldo M., 4,820,714, Cl. 514-297.000.
Lima, Antonio; and Shen, Yuan S., to Engelhard Corporation. Method of making improved silver-tin-indium contact material. 4,846,901, 7-11-89, Cl. 148-13.100.
Limax Electronics Co., Ltd.: *See—*
Wei, Chih-Ming, 4,820,908, Cl. 235-145.00R.
Limaye, Santosh Y.; Agrawal, Dinesh K.; McKinstry, Herbert A.; and Roy, Rustum, to Pennsylvania State University. Low expansion ceramic. 4,801,566, 1-31-89, Cl. 501-104.000.
Limb, Glenn R. Filter chest for use with multiple filter units, for laboratories, and with the filter units. 4,832,842, 5-23-89, Cl. 210-249.000.
Limbach, Antony P. J.: *See—*
Andrew, Sydney P.; Doy, Ralph J.; and Limbach, Antony P. J., 4,810,472, Cl. 422-197.000.
Limberger, Alois; Nolte, Bernhard; Stellmach, Dieter; and Wysk, Hans J., to Mannesmann AG. Matrix printer with ink ribbon guide disposed on print head carriage. 4,867,589, 9-19-89, Cl. 400-248.000.
Limberger, Thomas R.: *See—*
Herold, Stanley J.; LaGrange, Donald E.; Limberger, Thomas R.; and Taylor, James F., 4,805,533, Cl. 102-341.000.
Limburg, William W.; Renfer, Dale S.; Yanus, John F.; and Teuscher, Leon A., to Xerox Corporation. Arylamine containing polyhydroxy ether resins and system utilizing arylamine containing polyhydroxyl ether resins. 4,818,650, 4-4-89, Cl. 430-56.000.
Limburg, William W.; Yanus, John F.; Renfer, Dale S.; Schank, Richard L.; and Ong, Beng S., to Xerox Corporation. Electrophotographic elements using hydroxy functionalized arylamine compounds. 4,871,634, 10-3-89, Cl. 430-54.000.
Limburg, William W.: *See—*
Frechet, Jean M. J.; Gauthier, Sylvie; Limburg, William W.; Loutfy, Rafik O.; Murti, Dasarao K.; and Spiewak, John W., 4,801,517, Cl. 430-59.000.
Yanus, John F.; Spiewak, John W.; Renfer, Dale S.; and Limburg, William W., 4,806,443, Cl. 430-56.000.
Yanus, John F.; Spiewak, John W.; Renfer, Dale S.; and Limburg, William W., 4,806,444, Cl. 430-56.000.
Limet, Henri D.: *See—*
Delpla, Claude A.; Limet, Henri D.; and Janicaud, Francois P., 4,819,867, Cl. 236-12.160.
Limisaque, Gilles; and Sourgen, Laurent, to Thomson Composants Militaires et Spaciaux. Integrated circuit for memorizing and processing information confidentially, including an anti-fraud device. 4,851,653, 7-25-89, Cl. 235-492.000.
Limisimaque, Gilles, to Thomson Semiconducteurs. Method for the programming of data in an electrically programmable read-only memory. 4,870,574, 9-26-89, Cl. 364-300.000.
Limitek Oy *See—*
Niemela Seppo, 4,865,987, Cl. 435-290.000.
Limitinstant Limited: *See—*
Lefebvre, Michel S. M., 4,861,486, Cl. 210-644.000.
Limitor AB: *See—*
Muller, Manfred K., 4,847,587, Cl. 338-215.000.
Limitorque Corporation: *See—*
Wilkinson, Ivan E.; and Auxier, Robert W., 4,839,475, Cl. 200-5.00R.
Limoges, Brian H.: *See—*
Anthoney, William R.; Young, Richard K.; and Limoges, Brian H., 4,834,874, Cl. 210-179.000.
Limon, Bernard, to Hasler Freres International S.A. Method and automatic device for measuring the content of a soluble component in a powdery product. 4,876,904, 10-31-89, Cl. 73-866.000.
Limon, Juval: *See—*
Shalgi, Asaf; and Limon, Juval, 4,836,416, Cl. 222-48.000.
Limongelli, Felice; and Marcello, Favareto, to OCN-PPL S.p.A. Machining center with magazine for the tools. 4,800,645, 1-31-89, Cl. 29-568.000.
Limp, Hans, deceased (Limp, Helga, Harald Limp, heirs), to Keybold Aktiengesellschaft. Cold-cathode ionization vacuum meter with auxiliary ignition system for very low pressure operation. 4,847,564, 7-11-89, Cl. 324-460.000.
Limp, Helga, Harald Limp, heirs: *See—*
Limp, Hans, deceased, 4,847,564, Cl. 324-460.000.
Limuti, Donald; and Ross, James M., to Electric Power Research Institute, Inc. DC to DC converter with feed forward and feed back regulation. 4,809,150, 2-28-89, Cl. 363-21.000.
Lin, Aaron. Outdoor lighting controller including wiper element for light sensor. 4,833,368, 5-23-89, Cl. 315-150.000.
Lin, An C. R.: *See—*
Van Brimer, R. Hugh; Allred, Donald; Cooke, Theodore M.; Lin, An C. R.; and Rubbo, Julia E., 4,853,706, Cl. 346-1.100.
Lin, An-Chung R.; Cooke, Theodore M.; and Merritt, Alfred R., to Dataproducts Corporation. Drop on demand ink jet ink comprising dubutyl sebecate. 4,822,418, 4-18-89, Cl. 106-27.000.
Lin, Anderson. Adjustment and positioning structure of the elongated rod-like lighter. 4,854,859, 8-8-89, Cl. 431-344.000.
Lin, Benge. Lighter with a windproof and rainproof assembly. 4,846,667, 7-11-89, Cl. 431-151.000.
Lin, Bor-Sheng; and Scheblein, Joseph W., to BOC, Inc. Methods of preparing 4-heteropentacyclic-4-(N-phenyl)amido) piperidine derivatives and intermediate compounds. 4,831,192, 5-16-89, Cl. 546-210.000.
Lin, Bor-Sheng; Kudzma, Linas V.; and Spencer, H. Kenneth, to BOC, Inc. 4-heteropentacyclic-4-(N-(phenyl)amido) piperidine derivatives and pharamaceutical compositions and method employing such compounds. 4,871,749, 10-3-89, Cl. 514-326.000.
Lin, Cheing-Young. Umbrella frame. 4,880,023, 11-14-89, Cl. 135-25.00R.
Lin, Cheng-I: *See—*
Tarnowski, Thomas L.; Lin, Cheng-I; and Ullman, Edwin F., 4,812,401, Cl. 435-29.000.
Lin, Chia-Cheng; and Rukavina, Thomas G., to PPG Industries, Inc. Titanate/organosilane compositions. 4,839,454, 6-13-89. Cl. 528-32.000.
Lin, Chia-Cheng: *See—*
Basil, John D.; Lin, Chia-Cheng; and Hunia, Robert M., 4,799,963, Cl. 106-287.130.
Falleroni, Charlene A.; and Lin, Chia-Cheng, 4,824,712, Cl. 428-137.000.
Rukavina, Thomas G.; and Lin, Chia-Cheng, 4,816,288, Cl. 427-387.000.
Yoldas, Bulent E.; and Lin, Chia-Cheng, 4,814,017, Cl. 106-287.120.
Lin, Chia-Hui, to Tai Yu Enterprise Co., Ltd. Pivotal positioning means for use in beach umbrella. 4,877,045, 10-31-89, Cl. 135-20.00M.
Lin, Chia-Lung, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Technique for determining the values of circuit elements in a three terminal equivalent circuit. 4,797,622, 1-10-89, Cl. 324-537.000.
Lin, Chih M., to American Standard Inc. Apparatus and method of determining compressor structural resonant frequency. 4,842,491, 6-27-89, Cl. 417-312.000.
Lin, Chin-Chi. Feeder having a speed change mechanism with a graduated threaded-shaft protector. 4,875,512, 10-24-89, Cl. 144-246.00E.
Lin, Ching F.: *See—*
Lee, Richard H. C.; Hwang, John C. C.; Ma, Ing J.; and Lin, Ching F., 4,815,095, Cl. 372-107.000.
Lin, Ching-Hwa: *See—*
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Lin, Ching-Yu; and McIntyre, William H., to Westinghouse Electric Corp. Unitary self-referencing combined dual gas sensor. 4,828,671, 5-9-89, Cl. 204-412.000.
Lin, Ching-Yu; and Hirayama, Chikara, to Westinghouse Electric Corp. Unitary self-generating reference gas sensor 4,828,672, 5-9-89, Cl. 204-424.000.
Lin, Chinlon: *See—*
Frenkel, Anatoly; and Lin, Chinlon, 4,813,756, Cl. 350-96.180.
Lin, Chiu-Hong: *See—*
Bundy, Gordon L.; and Lin, Chiu-Hong, 4,851,586, Cl. 568-633.000.
Johnson, Roy A.; and Lin, Chiu-Hong, 4,882,433, Cl. 546-273.000.
Lin, Chuna-Sheng. Disposable cup with an integrally formed straw. 4,830,204, 5-16-89, Cl. 215-1.00A.
Lin, Chung-Cheng. Structure of dc motorized nailing machine. 4,834,278, 5-30-89, Cl. 227-7.000.
Lin, Chyi-Shen: *See—*
Zayas, Joseph F.; and Lin, Chyi-Shen, 4,849,244, Cl. 426-602.000.
Lin, Chyuan-Shiun; Tesler, Joel; and Hwang, Ching-Fa, to Hewlett-Packard Company. Method for handling slot requests over a network. 4,807,118, 2-21-89, Cl. 364-200.000.
Lin, Daniel, to Bell Communications Research, Inc. Method for coding speech at low bit rates. 4,797,925, 1-10-89, Cl. 381-36.000.
Lin, Daniel: *See—*
Lin, Jui S.; and Lin, Daniel, 4,804,193, Cl. 273-376.000.
Lin, Dong-Chang. Touchless (photo type) and contact digital dual purpose tachometer. 4,823,080, 4-18-89, Cl. 324-175.000.
Lin, Eric: *See—*
Yee, David T.; and Lin, Eric, 4,858,947, Cl. 280-643.000.
Yee, David T.; Lin, Eric; and Yee, Fang-Tung, 4,886,289, Cl. 280-643.000.
Lin, Eric C. W.: *See—*
Tweedy, Ernest P.; Lin, Eric C. W.; Eichelberger, George P.; and Mustafa, Mehmet, 4,816,905, Cl. 358-86.000.
Lin, Eugene C., to Union Oil Company of California. Enhanced oil recovery using a three-stage injection of solvent and water. 4,848,466, 7-18-89, Cl. 166-273.000.
Lin, Feng-Yu, to Huang Chen Correction Fluid Industry Co. Ltd. Instantly applicable correction fluid container structure. 4,813,463, 3-21-89, Cl. 141-351.000.
Lin, Fu S.: *See—*
Cheng, Wan J.; Lin, Fu S.; Jong, Yuh L.; and Huang, Fu J., 4,866,179, Cl. 546-250.000.
Lin, Fu-Shiong: *See—*
Graham, Wesley H.; Axter, Sven E.; and Lin, Fu-Shiong, 4,889,569, Cl. 148-130.000.
Lin, George Y.: *See—*
Newman, David W.; and Lin, George Y., 4,861,076, Cl. 285-332.300.
Lin, Gu-Ming, to Echolac Co., Ltd. Combination lock. 4,845,968, 7-11-89, Cl. 70-312.000.
Lin, Henry C.: *See—*
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O'Reilly, Neil J.; and Lin, Henry C., 4,874,876, Cl. 549-49.000.

Lin, Hsayjern: *See—*

Tuy, Heang K.; Krochta, Todd J.; Mailey, Frederick C.; and Lin, Hsayjern, 4,882,679, Cl. 364-413.220.

Lin, Hsien-Chang. Braking device for safety toy-gun. 4,887,583, 12-19-89, Cl. 124-40.000.

Lin, Hsiu-Ping W.: *See—*

Ebner, Walter B.; and Lin, Hsiu-Ping W., 4,804,596, Cl. 429-194.000.

Ebner, Walter B.; and Lin, Hsiu-Ping W., 4,853,304, Cl. 429-192.000.

Lin, Hui. Table tennis net assembly. 4,850,590, 7-25-89, Cl. 273-30.000.

Lin, J. Y.; Hsieh, Yih-Shou; and Chu, Shu-Chen, to National Science Council. Isolation and purification pre-S2 containing hepatitis B virus surface antigen by chemical affinity chromatography. 4,855,055, 8-8-89, Cl. 210-635.000.

Lin, James G.; and Schmitt, Werner H., to Hoppmann Corporation. Method and apparatus for loading articles onto feeder by elevating ramp segments. 4,821,920, 4-18-89, Cl. 221-167.000.

Lin, James G.: *See—*

Hoppman, Kurt H.; Lin, James G.; and Schmitt, Werner H., 4,848,559, Cl. 198-392.000.

Hoppmann, Kurt H.; Lin, James G.; and Schmitt, Werner H., 4,828,100, Cl. 198-392.000

Lin, Jang-Keng: *See—*

Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.

Lin, Jia-Wen; and Holloway, Tom C., to Pennzoil Company. Method for selection of mining and drilling sites using synthesized three dimensional seismic data. 4,866,659, 9-12-89, Cl. 364-421.000.

Lin, Jiang-Jen, to Texaco Inc. Process for the hydroformylation of allylic esters using a cobalt catalyst. 4,806,678, 2-21-89, Cl. 560-266.000.

Lin, Jiang-Jen, to Texaco Inc. Process for hydroformylation of n-vinyl-2-pyrrolidinone. 4,831,159, 5-16-89, Cl. 548-551.000.

Lin, Jiang-Jen, to Texaco Inc Process for the hydroformylation/Michael addition of acrylates to diesters. 4,849,543, 7-18-89, Cl. 560-177.000.

Lin, Jiang-Jen, to Texaco Inc. Process for one-step synthesis of amides. 4,866,177, 9-12-89, Cl. 544-387.000.

Lin, Jiang-Jen; and Speranza, George P., to Texaco Chemical Company. Novel compositions from polyoxyalkylene amines and epoxides. 4,886,867, 12-12-89, Cl. 528-111.000.

Lin, Jiang-Jen; and Speranza, George P., to Texaco Chemical Company. Aromatic amine terminated trifunctional polyoxyalkylene urea. 4,886,909, 12-12-89, Cl. 564-50.000.

Lin, Jiang-Jen: *See—*

Naylor, Carter G.; Lin, Jiang-Jen; and Speranza, George P., 4,828,757, Cl. 252-544.000.

Nieh, Edward C. Y.; Lin, Jiang-Jen; and Speranza, George P., 4,795,581, Cl. 252-77.000.

Sanderson, John R.; Marquis, Edward T.; and Lin, Jiang-Jen, 4,803,305, Cl. 568-571.000.

Speranza, George P.; and Lin, Jiang-Jen, 4,847,380, Cl. 546-190.000.

Speranza, George P.; Brennan, Michael E.; and Lin, Jiang-Jen, 4,885,390, Cl. 564-475.000.

Lin, Jiing-Kang, to Rockwell International Corporation. Printing press dampener. 4,831,927, 5-23-89, Cl. 101-148.000.

Lin, Ju-Chui; and Abbey, Kirk J., to Glidden Company, The. Cobalt (II) complex catalyst for polymerization of monomers. 4,837,326, 6-6-89, Cl. 546-12.000.

Lin, Juei-Jse. Manufacturing method and device of hollow-typed reverse circulating piles. 4,842,447, 6-27-89, Cl. 405-243.000.

Lin, Jui-Chang, to Lee, Jeun-Kuen; and Liou, In-Jyh. Structure for controlling the dead bolt used in an electronic lock. 4,820,330, 4-11-89, Cl. 70-277.000.

Lin, Jui-Chang, to Lee, Jeun-Keun; and Liou, In-Jyh. Manually codeable cards for card readers. 4,837,427, 6-6-89, Cl. 235-488.000.

Lin, Jui S.; and Lin, Daniel, to An Wei Enterprise Co., Ltd; and Cortina International Corp. Circuitry for electronic scoring dartboard. 4,804,193, 2-14-89, Cl. 273-376.000.

Lin, K. S.: *See—*

Verma, Shiv P.; and Lin, K. S., 4,833,618, Cl. 364-483.000.

Lin, Kenneth: *See—*

MacGregor, John; Welch, Frank J.; and Lin, Kenneth, 4,846,504, Cl. 283-102.000.

Lin, Kou C.; Burkhardt, Charles E.; and Corbett, Paul P., to Electric Power Research Institute, Inc. Method for improving the magnetic properties of wound core fabricated from amorphous metal. 4,809,411, 3-7-89, Cl. 29-605.000.

Lin, Kuen-Ming. Chopstick seat. 4,858,863, 8-22-89, Cl. 248-174.000.

Lin, Kun-Shan; and Goudie, Kathleen M., to Texas Instruments Incorporated. Low data rate speech encoding employing syllable duration patterns. 4,799,261, 1-17-89, Cl. 381-36.000.

Lin, Kun-Shan; and Reimer, Jay B., to Texas Instruments Incorporated. Low data rate speech encoding employing syllable pitch patterns. 4,802,223, 1-31-89, Cl. 381-38.000.

Lin, Kuo-Yang. Self detachable sinker assembly for fishing. 4,837,968, 6-13-89, Cl. 43-43.120.

Lin, Kuo-Yang. Buffer device for fishing equipment. 4,843,755, 7-4-89, Cl. 43-42.720.

Lin, Lawrence H.; Cavan, Daniel L.; and Howe, Robert B., to Insystems, Inc. Inspection system for array of microcircuit dies having redundant circuit patterns. 4,806,774, 2-21-89, Cl. 250-550.000.

Lin, Leo S.: *See—*

Mark, David F.; Lin, Leo S.; and Yu Lu, Shi-Da, 4,853,332, Cl. 435-252.330.

Lin, Li-Chuan. Stamp cartridge. 4,869,168, 9-26-89, Cl. 101-391.000.

Lin, Li-Ling: *See—*

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Lin, Ling-Yung, to New Fei Lien Enterprise Co., Ltd. Candle-like lighting device. 4,839,784, 6-13-89, Cl. 362-393.000.

Lin, Long-Chung. Electropneumatic V-staple driving machine. 4,830,257, 5-16-89, Cl. 227-152.000.

Lin, M. L.: *See—*

Mouche, R. J.; Lin, M. L.; and Ekis, E. W., Jr., 4,834,955, Cl. 423-242.000.

Lin, Mai-Jan L.; and Mouche, Richard J., to Nalco Chemical Company. Use of oil-soluble surfactants in flue gas desulfurization systems. 4,869,885, 9-26-89, Cl. 423-242.000.

Lin, Mei-Jan L.; Mouche, Richard J.; Nimry, Baker N.; and Fong, Dodd W., to Nalco Chemical Company. Gypsum scale inhibitors for flue gas desulfurization systems. 4,818,506, 4-4-89, Cl. 423-242.000.

Lin, Mei-Jan L.: *See—*

Mouche, Richard J.; and Lin, Mei-Jan L., 4,802,994, Cl. 210-759.000.

Mouche, Richard J.; and Lin, Mei-Jan L., 4,802,996, Cl. 210-764.000.

Mouche, Richard J.; and Lin, Mei-Jan L., 4,869,846, Cl. 252-192.000.

Lin, Mei-Mei. Safety end-connector used for extension cord. 4,834,664, 5-30-89, Cl. 439-145.000.

Lin, Mei-Mei. Cost-saving process for making plug blades directly from a linear strip. 4,847,993, 7-18-89, Cl. 29-874.000.

Lin, Ming-Tang. Hook-driven screw with replaceable hook. 4,856,953, 8-15-89, Cl. 411-383.000.

Lin, Newman K.: *See—*

Chen, Wayne G.; and Lin, Newman K., 4,850,225, Cl. 73-572.000

Lin Pac, Inc.: *See—*

Bateman, Robert, 4,863,125, Cl. 248-97.000.

Lin Pac Mouldings Limited: *See—*

Haines, Peter R., 4,886,181, Cl. 220-67.000.

Mead, Peter L., 4,834,254, Cl. 220-6.000.

Lin, Pads. Dual exercise bicycle. 4,850,587, 7-25-89, Cl. 272-72.000.

Lin, Pang-Yien. Arrangement for increasing heat transfer coefficient between a heating surface and a boiling liquid. 4,794,984, 1-3-89, Cl. 165-133.000.

Lin, Pao C. Collapsible combined table and chair assembly. 4,798,411, 1-17-89, Cl. 297-170.000.

Lin, Paul T.; McShane, Michael B.; Bigler, Charles G.; and Goertz, John A., to Motorola Inc. Process of making an electronic device package with peripheral carrier structure of low-cost plastic. 4,837,184, 6-6-89, Cl. 437-217.000.

Lin, Ping-Ho. Whirlpool type high speed cooler for plastic grains 4,846,644, 7-11-89, Cl. 425-67.000.

Lin, Robert C.: *See—*

Lo, Yi C., 4,872,643, Cl. 251-252.000.

Lin, Ronny W.; and Davidson, Robert I., to Ethyl Corporation. Trifluoromethylation process. 4,808,748, 2-28-89, Cl. 558-378.000.

Lin, Ronny W.; and Ramachandran, Venkataraman, to Ethyl Corporation. Process for recovering cuprous iodide catalyst used in synthesis of (trifluoromethyl)napthalenes. 4,824,988, 4-25-89, Cl. 558-423.000.

Lin, San-I; and Kuo, Ching-Chuan, to Tong Lung Metal Industry Co. Ltd. Door closer with a concealed mounting. 4,831,687, 5-23-89, Cl. 16-49.000.

Lin, Sharlene C.: *See—*

Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., 4,885,739, Cl. 370-58.100.

Lin, Sheng S., to United States of America, Navy. Portable, rapid installable dolphin system 4,883,013, 11-28-89, Cl. 114-219.000.

Lin, Shi-Ming: *See—*

Yuh, Marcus; and Lin, Shi-Ming, 4,846,516, Cl. 294-64.100.

Lin, Shiow-Ching; and Kuo, Ping-Lin, to W. R. Grace & Co.-Conn. Isocyanates blocked with 1-amino-alkylimidazoles as epoxy curing agents. 4,797,455, 1-10-89, Cl. 525-504.000.

Lin, Shiow-Ching; and Quirk, Jennifer M., to W. R. Grace & Co.-Conn. Aminopropylimidazoles. 4,816,589, 3-28-89, Cl. 548-341.000.

Lin, Shuh-Chin. Automatic tape cutter/sticker. 4,800,812, 1-31-89, Cl. 101-226.000.

Lin, Shuh-Chin. Structure of carton sealing sticker and cutter. 4,857,134, 8-15-89, Cl. 156-385.000.

Lin, Shui T. Circulatory system sterilizer. 4,809,597, 3-7-89, Cl. 99-483.000.

Lin, Shyh-Ling; and Lin, Yeong-Sung. Ball point pen with self-provided illuminator. 4,890,204, 12-26-89, Cl. 362-118.000

Lin, Shyuh-Der, to Industrial Technology Research Institute. Amplification circuit for electronic tone generator. 4,796,503, 1-10-89, Cl. 84-1.260.

Lin, Simon. Outer casing assembly for ceiling-fan motors. 4,863,346, 9-5-89, Cl. 416-5.000.

Lin, Stephen Y., to Reed Lignin Inc. Deicing agent. 4,824,588, 4-25-89, Cl. 252-70.000.

Lin, Stephen Y., to Reed Lignin Inc. Binder composed of a graft copolymer of high molecular weight lignin material and an acrylic monomer. 4,871,825, 10-3-89, Cl. 527-400.000.

Lin, Steve M.; and Rizzo, Joseph F., to Bell Communications Research, Inc. Multi-service telephone switching system. 4,878,240, 10-31-89, Cl. 379-67.000.

Lin, Sung-Wei: *See—*

D'Arrigo, Sebastiano; Imondi, Giuliano; Lin, Sung-Wei; and Gill, Manzur, 4,823,318, Cl. 365-189.000.

Lin, Ta-Shun. Functionally locking bottle cap. 4,832,217, 5-23-89, Cl. 215-220.000.

Lin, Tai-Shun: *See—*

Sartorelli, Alan C.; and Lin, Tai-Shun, 4,806,531, Cl. 514-183.000.

Lin, Tri-Ping. Externally and detachably framed collapsible baggage. 4,813,520, 3-21-89, Cl. 190-107.000.

Lin, Trong-Goang; Ho, Ling-Wen; Ko, An-Nan; and Perng, Yeong-Ju, to China Petrochemical Development Corporation. Preparation of ortho-alkylated phenols in the presence of a catalyst prepared by co-precipitation process. 4,876,398, 10-24-89, Cl. 568-804.000.

Lin, Tse-Hung. Symmetric double phonic diaphragm volume-enhancing device. 4,811,816, 3-14-89, Cl. 181-160.000.

Lin, Tsong-Chi. Spring biased arm snap-toggle hinge. 4,837,894, 6-13-89, Cl. 16-288.000.

Lin, Tsu-Hsing: *See—*

Kiely, Donald E.; and Lin, Tsu-Hsing, 4,833,230, Cl. 528-230.000.

Lin, Warren W.: *See—*

Coates, Vincent J.; and Lin, Warren W., 4,826,321, Cl. 356-351.000.

Lin, Wei Y., to W. R. Grace & Co. Polymer composition for photoresist application. 4,837,126, 6-6-89, Cl. 430-284.000.

Lin, Wen C.: *See—*

Chen, Po Y.; Chu, Shiao J.; Chen, Mei C.; Chang, Nan S.; and Lin, Wen C., 4,801,752, Cl. 564-401.000.

Lin, Wen-Tsung; and Chen, Sheng-Chuan. Alarming wallet actuated by a pickpocket's fingers. 4,884,062, 11-28-89, Cl. 340-571.000.

Lin, Wilson L.; Mattison, Phillip L.; and Virnig, Michael [illegible], to Henkel Corporation. Recovery of precious metals. 4,814,007, 3-21-89, Cl. 75-118.00R.

Lin, Yang-I: *See—*

Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,808,730, Cl. 549-211.000.

Bitha, Panayota; and Lin, Yang-I, 4,833,270, Cl. 562-493.000.

Bitha, Panayota; Child, Ralph G.; Hlavka, Joseph J.; and Lin, Yang-I, 4,86[illegible],092, Cl. 514-492.000.

Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,870,070, Cl. 514-184.000.

Child, Ralph G.; Bitha, Panayota; Hlavka, Joseph J.; and Lin, Yang-I, 4,880,790, Cl. 514-184.000.

Lin, Yeong-Sung: *See—*

Lin, Shyh-Ling; and Lin, Yeong-Sung, 4,890,204, Cl. 362-118.000.

Lin, Ying-Wei; and Calarco, Anthony F., to Xerox Corporation. Image processing apparatus using approximate auto correlation function to detect the frequency of half-tone image data. 4,811,115, 3-7-89, Cl. 358-283.000.

Lin, Youlin: *See—*

Dean, Richard T.; Lin, Youlin; Weber, Robert W.; and White, David H., 4,826,673, Cl. 424-9.000.

Lin, Yuh-Chorng. Balls for target games. 4,875,689, 10-24-89, Cl. 273-346.000.

Lin, Yuh-Wen; and Jan, Ying-Wen, to Industrial Technology Research Institute. Aerostatic bearing with an adjustable stabilizing structure. 4,887,914, 12-19-89, Cl. 394-12.000.

Lin, Yung-Ching. Sun visor device for shading the rear window of an automobile. 4,869,542, 9-26-89, Cl. 296-97.800.

Linares, Carlos G.: *See—*

Cook, Thomas E.; Delgado, Rodolfo; Linares, Carlos G.; Sakkab, Nabil Y.; and Trinh, Toan, 4,834,895, Cl. 252-8.600.

Linatex Corporation of America: *See—*

McQuade, John O., 4,856,791, Cl. 273-410.000.

Lince, Robin L.: *See—*

Wilkinson, James H.; and Lince, Robin L., 4,835,626, Cl. 360-14.300.

Linck, Klaus; Schmitt, Bernd; and Nottrott, Joachim, to Aktiengesellschaft Kuehnle, Kopp & Kausch. Overhung radial-flow steam turbine wheel with toothed and bolted shaft connection. 4,815,931, 3-28-89, Cl. 415-121.00A.

Lincke, Paul: *See—*

Bucher, Robert; and Lincke, Paul, 4,811,762, Cl. 139-452.000.

Lincoln Brass Works, Inc.: *See—*

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Lincoln Electric Company, The: *See—*

Crockett, Dennis D.; and Munz, Robert P., 4,833,296, Cl. 219-145.220.

Parks, John M.; and Stava, Elliott K., 4,835,360, Cl. 219-137.0PS.

Parks, John M.; and Stava, Elliott K., 4,866,247, Cl. 219-137.0PS.

Stava, Elliott K., 4,861,965, Cl. 219-130.510.

Lincoln Foodservice Products, Inc.: *See—*

Csadenyi, George L., 4,846,143, Cl. 126-39.00E.

Henke, Mitchell C., 4,881,519, Cl. 126-21.00A.

Lincoln Logotype Company, Inc.: *See—*

Beaver, Robert A.; Johnson, Leonard L.; and Medlen, Lester R., 4,860,648, Cl. 101-35.000.

Lincoln, William W.; and Jones, Stephen J., to Owens-Corning Fiberglas Corporation. Asphalt shingle with foamed asphalt layer under tabs. 4,817,358, 4-4-89, Cl. 52-557.000.

Lind, Alan C.: *See—*

Heath, Douglas C.; Lind, Alan C.; and Schneier, Carol A., 4,845,665, Cl. 364-900.000.

Lind, Bruce J.; and Oskam, Hendrik J., to Honeywell Inc. Hollow cathode glow discharge ring laser angular rate sensor. 4,821,281, 4-11-89, Cl. 372-94.000.

Lind, Bruce J., to Honeywell Inc. Hollow cathode glow discharge ring laser block and electrode structure for ring laser angular rate sensors. 4,864,586, 9-5-89, Cl. 372-94.000.

Lind, Keith D.: *See—*

Shepard, Mary E.; Galloway, Deane E.; and Lind, Keith D., 4,877,684, Cl. 428-475.800.

Lind, Larry W.; and Watt, Richard E., to U.S. Elevator Corporation. Elevator control switch and position indicator assembly. 4,805,739, 2-21-89, Cl. 187-121.000.

Lind, LeRoy, to King-Seeley Thermos Company. Ice bin level sensor with time delay. 4,822,996, 4-18-89, Cl. 250-222.100.

Lind, Matthew R.: *See—*

Kovacs, Lloyd; and Lind, Matthew R., 4,815,253, Cl. 53-436.000.

Lind, Michael A.: *See—*

Halter, Joseph M.; Hartman, John S.; Lind, Michael A.; Skiens, W. Eugene; Swanson, John W.; and Biles, Jonathan R., 4,825,430, Cl. 369-275.000.

Lind, Roger S.: *See—*

Barringer, Eric A.; Foster, Brian C.; Hodge, James D.; and Lind, Roger S., 4,835,039, Cl. 428-210.000.

Foster, Brian C.; and Lind, Roger S., 4,861,641, Cl. 428-137.000.

Linda, John W.; and Matracia, Anthony. Truck bumper mountable water sweeper. 4,796,808, 1-10-89, Cl. 239-175.000.

Linda, Karl G.; and Nielsen, Jan L., to JPS Marking ApS. Method and an apparatus for marking fabric piles. 4,869,726, 9-26-89, Cl. 8-498.000.

Linda, Martin J.; and Griffin, Kevin S., to Plessey Overseas Limited. Switching arrangements for digital telecommunications exchange systems. 4,815,072, 3-21-89, Cl. 370-84.000.

Linda, Martin J.: *See—*

Smedley, Colin P.; and Linda, Martin J., 4,811,358, Cl. 375-8.000.

Lindaberry, Harold, to Harlind and Sandlind Development Company. Lure action attachment for fishing rods. 4,821,448, 4-18-89, Cl. 43-19.200.

Lindae, Gerhard; Loewe, Richard; and Perthus, Peter, to Robert Bosch GmbH. Low beam or fog headlamp for motor vehicles. 4,796,171, 1-3-89, Cl. 362-308.000.

Lindae, Gerhard; Loewe, Richard; and Perthus, Peter, to Robert Bosch GmbH. Dimmed headlight, particularly for motor vehicles. 4,800,467, 1-24-89, Cl. 362-61.000.

Lindahl, Ake: *See—*

Ekman, Bo; and Lindahl, Ake, 4,822,535, Cl. 264-4.300.

Lindahl, Ake R.; and Ekman, Bo M., to Aktiebolaget Leo. Controlled-release medical preparations. 4,824,678, 4-25-89, Cl. 424-473.000.

Lindahl, Erik; and Hovsenius, Gunnar. Method for cleansing metal-containing solutions. 4,883,599, 11-28-89, Cl. 210-670.000.

Lindahl, Harold A.; Abrams, Kenneth J.; Stark, Leonard E.; and Zeitlin, Martin A., to Amoco Corporation. Method and apparatus for controlling the manufacture of terephthalic acid to control the level and variability of the contaminant content and the optical density. 4,835,307, 5-30-89, Cl. 562-413.000.

Lindahl, Harold A.: *See—*

Topliss, Robert J.; Brockmeier, Norman F.; and Lindahl, Harold A., 4,888,704, Cl. 364-500.000.

Lindamood, David M. Nut and washer retainer and driving tool. 4,811,647, 3-14-89, Cl. 81-125.000.

Lindau, Mark S.; and Clay, Howard. Scooter. 4,799,701, 1-24-89, Cl. 280-87.041.

Lindauer Dornier Gesellschaft m.b.H.: *See—*

Dornier, Peter; Langer, Rudolf; and Maierhofer, Hans-Jurgen, 4,815,181, Cl. 26-91.000.

Dornier, Peter; Langer, Rudolf; Troetscher, Gerhard; and Hecht, Anton, 4,823,479, Cl. 34-210.000.

Eberle, Alois; Peter, Erich; and Steinberger, Rainer, 4,834,147, Cl. 139-450.000.

Jaeger, Siegfried; and Herrlein, Wilhelm, 4,878,392, Cl. 74-333.000.

Kerner, Horst, 4,807,671, Cl. 139-449.000.

Krumm, Valentin; Gsell, Siegbert; and Cramer, Gottfried, 4,817,681, Cl. 139-450.000.

Langer, Rudolf, 4,809,446, Cl. 34-156.000.

Linka, Adolf, 4,815,504, Cl. 139-436.000.

Linka, Adolf; and Lanthaler, Franz, 4,817,680, Cl. 139-436.000.

Linka, Adolf; Lanthaler, Frank; and Frommelt, Heinrich, 4,848,410, Cl. 139-134.000.

Linka, Aldof; Lanthaler, Frank; and Frommelt, Heinrich, 4,850,399, Cl. 139-436.000.

Meroth, Klaus; and Wegendt-Kristyn, Dieter, 4,837,485, Cl. 318-161.000.

Strudel, Werner, 4,794,677, Cl. 26-3.000.

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Lindauer, James M.: *See—*

Heumann, John M.; and Lindauer, James M., 4,860,762, Cl. 128-702.000.

Lindauer, Thomas W.; and Jamrozy, Richard E., to Thrall Car Manufacturing Company. Container carrying railroad car with improved support system. 4,876,968, 10-31-89, Cl. 105-415.000.

Lindbauer, Ralf; and Glasner, Alfred, to Waagner-Biro Aktiengesellschaft. Method of purifying combustion product gases contaminated with dust and noxious gases. 4,839,147, 6-13-89, Cl. 423-235.000.

Lindbauer, Ralf; and Glasner, Alfred, to Waagner-Biro Aktiengesellschaft. Method for separation of impurities from flowing gas. 4,859,438, 8-22-89, Cl. 423-239.000.

Lindberg, Arnold, to Walt Disney Company, The. Amusement ride vehicle. 4,794,865, 1-3-89, Cl. 104-246.000.

Lindberg, Bjorn; and Zarelius, Christer. Hinge arrangement. 4,825,930, 5-2-89, Cl. 160-135.000.

- Lindberg, Chris E.; Kot, Edward J.; and Chicoye, Etzer, to Miller Brewing Company. Process for brewing beer while enhancing yeast growth. 4,840,802, 6-20-89, Cl. 426-16.000.
- Lindberg, Christer, to Diab-Barracuda AB. Dummy aeroplane. 4,852,326, 8-1-89, Cl. 52-745.000.
- Lindberg, Conrad P.: *See—*
  - Brewer, David C.; Lindberg, Conrad P.; and Lindberg, Paul M., 4,860,185, Cl. 363-41.000.
- Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., to Syn-Tek AB. Adhesin antigens, antibodies and DNA fragment encoding the antigen, methods and means for diagnosis and immunization etc. 4,795,803, 1-3-89, Cl. 530-324.000.
- Lindberg, Hans E., to Sandvik AB. Drill with secondary cutter. 4,795,290, 1-3-89, Cl. 408-224.000.
- Lindberg, Hans E.: *See—*
  - Bergstrom, Bert E.; and Lindberg, Hans E., 4,831,674, Cl. 10-140.000.
- Lindberg, Kaj; Steen, Gerry; and Germundson, Elon, to Gotaverken Arendal AB. Node intersection between columns and pontoon members at a tendon-moored platform. 4,875,806, 10-24-89, Cl. 405-224.000.
- Lindberg, Kenneth M.: *See—*
  - Frye, Dale J.; Kindig, Alan L.; Lindberg, Kenneth M.; and Stander, Robert J., 4,882,807, Cl. 16-225.000.
- Lindberg, Paul M.: *See—*
  - Brewer, David C.; Lindberg, Conrad P.; and Lindberg, Paul M., 4,860,185, Cl. 363-41.000.
- Lindberg, Per L.: *See—*
  - Arvidsson, Folke L. E.; Carlsson, Per A. E.; Hacksell, Uli A.; Hjorth, John S. M.; Johansson, Anette M.; and Lindberg, Per L., 4,876,284, Cl. 514-657.000.
- Lindberg, Peter J. Reactance transformer control for discharge devices. 4,888,527, 12-19-89, Cl. 315-282.000.
- Lindberg, Richard W., to General Electric Company. Thermal emittance coating for x-ray tube target. 4,870,672, 9-26-89, Cl. 378-129.000.
- Lindberg, Steven E.: *See—*
  - Stauffer, Richard D.; Thompson, Jerry L.; and Lindberg, Steven E., 4,849,118, Cl. 252-47.000.
- Lindbergh, David; and Helf, Brant M., to Concord Data Systems, Inc. System and method for compressing transmitted or stored data. 4,870,662, 9-26-89, Cl. 375-122.000.
- Lindblad, Evert: *See—*
  - Brannstrom, Roine; Lindblad, Evert; Malmkvist, Leopold; Mansson, Martin; and Thoren, Mats, 4,848,276, Cl. 122-4.00D.
- Lindblad, Gert T., to Pharmacia AB. Hyaluronic acid preparation to be used for treating inflammations of skeletal joints. 4,801,619, 1-31-89, Cl. 514-825.000.
- Lindblad, Nero R.; and Silverberg, Morton, to Xerox Corporation. Toner removal and surface abrading apparatus for a charge retentive surface. 4,870,465, 9-26-89, Cl. 355-296.000.
- Lindblom, Boris: *See—*
  - Tengstrand, Goran; Lindblom, Boris; Nilsson, Jerry; and Lunden, Peter, 4,878,561, Cl. 181-188.000.
- Lindblom, Kurt L., to Miller-Johannisberg Druckmaschinen GmbH. Device for combining partial piles of book pages. 4,858,904, 8-22-89, Cl. 270-58.000.
- Lindbloom, Eric: *See—*
  - Eichelberger, Edward B.; Lindbloom, Eric; Motika, Franco; and Waicukauski, John A., 4,801,870, Cl. 324-73.00R.
- Lindborg, Bjorn G.: *See—*
  - Johansson, Karl N.; Lindborg, Bjorn G.; and Noren, Jan-Olof, 4,798,833, Cl. 514-262.000.
- Linde AG: *See—*
  - Grunewald, Gerhard; and Kammerer, Hans, 4,834,781, Cl. 55-44.000.
- Linde Aktiengesellschaft: *See—*
  - Bauer, Heinz, 4,888,035, Cl. 62-20.000.
  - Benkmann, Christian, 4,834,780, Cl. 55-26.000.
  - Grunewald, Gerhard; and Alunic, Emil, 4,824,452, Cl. 62-20.000.
  - Grunewald, Gerhard; and Alunic, Emil, 4,830,639, Cl. 55-44.000.
  - Grunewald, Gerhard; and Kammerer, Hans, 4,834,781, Cl. 55-44.000.
  - Grunewald, Gerhard; and Kriebel, Manfred, 4,840,648, Cl. 55-44.000.
  - Heisel, Michael; and Linde, Gerhard, 4,795,620, Cl. 423-243.000.
  - Heyl, Walter, 4,827,833, Cl. 92-12.200.
  - Heyl, Walter, 4,843,950, Cl. 91-506.000.
  - Honecker, Gunter, 4,854,278, Cl. 123-198.00E.
  - Kleineisel, Gustav, 4,854,826, Cl. 417-269.000.
  - Kliem, Erhard; Weber, Guenter; and Kunz, Alfred, 4,876,079, Cl. 423-578.00R.
  - Krause, Bernd, 4,799,419, Cl. 91-499.000.
  - Kreuter, Walter, 4,819,586, Cl. 122-235.00C.
  - Kristof, Wolfgang; Schlebener, Claus; and Linde, Gerhard, 4,836,988, Cl. 422-171.000.
  - Landeck, Heiner; and Ranke, Gerhard, 4,797,140, Cl. 55-48.000.
  - Landeck, Heiner; and Ranke, Gerhard, 4,810,267, Cl. 55-73.000.
  - Lassmann, Eberhard; Helmling, Robert; and Beran, Franz, 4,885,146, Cl. 423-235.000.
  - Ranke, Gerhard; and Diehl, Elmar, 4,881,960, Cl. 62-20.000.
  - Rottmann, Dietrich; and Corduan, Horst, 4,824,453, Cl. 62-22.000.
  - Schoenberger, Rainer, 4,885,093, Cl. 210-605.000.
  - Skolaude, Werner; Eggendorfer, Gunnar; and Corduan, Horst, 4,883,518, Cl. 62-38.000.
  - Strenzke, Hilmar; and Fehn, Norbert, 4,884,402, Cl. 60-426.000.
  - Wernicke, Hans-Juergen; Glatthaar, Reinhard; and Buckl, Nikolaus, 4,808,270, Cl. 203-39.000.
- Linde, Gerhard: *See—*
  - Heisel, Michael; and Linde, Gerhard, 4,795,620, Cl. 423-243.000.
  - Kristof, Wolfgang; Schlebener, Claus; and Linde, Gerhard, 4,836,988, Cl. 422-171.000.
- Linde, Gilbert W.; and Sadler, Loren G., to Ford New Holland, Inc. Manure spreader drive system. 4,819,880, 4-11-89, Cl. 239-662.000.
- Linde, Gilbert W.; and Seymour, Shaun A., to Ford New Holland, Inc. Counterweight for reciprocating conditioning roll. 4,862,681, 9-5-89, Cl. 56-16.400.
- Linde, Hartmut; and Mende, Reinhold, to Wolff Walsrode AG. Process for gassing soils. 4,812,342, 3-14-89, Cl. 428-35.400.
- Linde, Hellmut: *See—*
  - Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.
- Linde, Lucille M. J. Ocular-pursuit measuring. 4,818,097, 4-4-89, Cl. 351-203.000.
- Linde, Rolf E.: *See—*
  - Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,853,947, Cl. 378-99.000.
  - Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,888,794, Cl. 378-41.000.
- Linde, Rudolf: *See—*
  - Neuhauser, Hans-Jochem; Buran, Ulrich; and Linde, Rudolf, 4,846,940, Cl. 204-16.000.
- Linde, Yoseph: *See—*
  - Abraham, Menachem; Linde, Yoseph; and Saussy, Gordon C., 4,809,264, Cl. 370-76.000.
- Lindee, Scott A., to Formax, Inc. Patty molding mechanism for fibrous food product. 4,872,241, 10-10-89, Cl. 17-32.000.
- Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, to Bayer Aktiengesellschaft. Novel arylethanolamines for promoting livestock production. 4,845,262, 7-4-89, Cl. 558-415.000.
- Lindel, Hans; Hallenbach, Werner; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, to Bayer Aktiengesellschaft. Heteroarylethylamine as production promoters in livestock. 4,863,939, 9-5-89, Cl. 514-357.000.
- Lindel, Hans; Ingendoh, Axel; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, to Bayer Aktiengesellschaft. Arylethanolhydroxylamines and their use for promoting yield. 4,880,840, 11-14-89, Cl. 514-645.000.
- Lindel, Hans: *See—*
  - Hallenbach, Werner; and Lindel, Hans, 4,847,382, Cl. 546-311.000.
  - Ingendoh, Axel; Lindel, Hans; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,847,291, Cl. 514-524.000.
- Lindell, George. Vehicle cover kit. 4,850,635, 7-25-89, Cl. 296-136.000.
- Lindeman, Richard J., to Labinal Components and Systems, Inc. Electrical connectors. 4,806,110, 2-21-89, Cl. 439-108.000.
- Lindemann Maschinenfabrik G.m.b.H.: *See—*
  - Greiner, Gabriele, 4,836,457, Cl. 241-73.000.
- Lindemann, Peer; and Haughton, Victor M., to Servetus Partnership. Safety syringe. 4,874,382, 10-17-89, Cl. 604-195.000.
- Lindemann, Peer; and Haughton, Victor M., to Servetus Partnership. Endoprosthesis for repairing a damaged vessel. 4,878,906, 11-7-89, Cl. 623-1.000.
- Linden, Ake; and Gustafsson, Roger, to Mobelteam AB. Arrangement in adjustable seats. 4,884,840, 12-5-89, Cl. 297-320.000.
- Linden, Allan, administrator: *See—*
  - Kronogard, Sven-Olof, deceased; Kronogard, Clas-Olof; and Kronogard, Hakan, 4,843,816, Cl. 60-39.183.
- Linden, Carl R. V.: *See—*
  - Martin, Phillip C.; and Linden, Carl R. V., 4,823,845, Cl. 138-149.000.
- Linden, Gerald E., to United Technologies Automotive, Inc. Method and apparatus for operating vehicle windows with a switch. 4,795,862, 1-3-89, Cl. 200-6.00A.
- Linden, Gerbert: *See—*
  - Mengel, Rudolf; Pfleiderer, W.; Linden, Gerbert; and Schneider, Gerhart, 4,826,528, Cl. 71-92.000.
- Linden, Harry A. Digital display for head mounted protection. 4,796,987, 1-10-89, Cl. 351-158.000.
- Linden, Harry A., to Hall Surgical. Adjustable support for a prosthetic tooth and method. 4,832,601, 5-23-89, Cl. 433-173.000.
- Linden, Harry A., to Hall Surgical, division of Zimmer, Inc. Oral implant. 4,854,873, 8-8-89, Cl. 433-173.000.
- Linden, Lawrence F., to Thorn EMI Malco, Incorporated. System for personalization of integrated circuit microchip cards. 4,827,425, 5-2-89, Cl. 364-478.000.
- Linden, Scott R. Vehicle seatbelt deflection device. 4,796,919, 1-10-89, Cl. 280-808.000.
- Linden, Sigurd R. Dental instrument having identification markings. 4,882,867, 11-28-89, Cl. 40-625.000.
- Linden, Unto; Suvanto, Erkki; and Farid, Ainetdin, to Neste Oy. Sleeve-mounted spike fitted to a vehicle tire. 4,865,100, 9-12-89, Cl. 152-210.000.
- Linden, Unto, to Neste OY. Vehicle tire intended to be fitted with spikes. 4,871,005, 10-3-89, Cl. 152-210.000.
- Linden, Unto, to Neste Oy. Spike fitted on a vehicle tire for perpendicular contact with the road. 4,884,608, 12-5-89, Cl. 152-210.000.

- Lindenberg, Josef: *See—*
  - Schnepp-Pesch, Wolfram; Lindenberg, Josef; and Kohler, Dieter, 4,817,631, Cl. 128-753.000.
- Lindenfelser, Timothy M., to VTC Incorporated. Skew compensated RS422 buffer. 4,868,425, 9-19-89, Cl. 307-475.000.
- Lindenmeier, Heinz: *See—*
  - Flachenecker, Gerhard; Fastenmeier, Karl; and Lindenmeier, Heinz, 4,818,954, Cl. 331-183.000.
  - Flachenecker, Gerhard; Fastenmeier, Karl; and Lindenmeier, Heinz, 4,890,073, Cl. 331-55.000.
- Lindenmeier, Karl-Heinz G.; and Flachenecker, Gerhard, to U.S. Philips Corporation. Signal diversity arrangement for mobile reception. 4,876,743, 10-24-89, Cl. 455-133.000.
- Lindenthal, Hans, to J. M. Voith GmbH. Flange coupling. 4,822,204, 4-18-89, Cl. 403-337.000.
- Lindenthal, Hans; and Babik, Peter. Universal joint for use with shafting. 4,834,692, 5-30-89, Cl. 464-136.000.
- Lindenthal, Hans: *See—*
  - Elsner, Ernst; Lindenthal, Hans; and Jelfs, Stewart D., 4,859,106, Cl. 403-5.000.
- Linder, Charles; Nemas, Mara; Perry, Mordechai; and Kotraro, Reuven, to Aligena AG. Composite membranes useful for the separation of organic compounds of low molecular weight from aqueous inorganic salts containing solutions. 4,833,014, 5-23-89, Cl. 428-308.400.
- Linder, Charles: *See—*
  - Perry, Mordechai; Kotraro, Reuven; Linder, Charles; and Aviv, Gershon, 4,889,636, Cl. 210-651.000.
- Linder, Ernst; Rembold, Helmut; and Schlagmueller, Walter, to Robert Bosch GmbH. Fuel injection pump. 4,831,986, 5-23-89, Cl. 123-449.000.
- Linder, Ernst; Rembold, Helmut; Ruoff, Manfred; and Schlagmueller, Walter, to Robert Bosch GmbH. Magnetic valve. 4,832,312, 5-23-89, Cl. 251-129.070.
- Linder, Ernst; Rembold, Helmut; and Teegen, Walter, to Robert Bosch GmbH. Method of controlling the demagnetization phase of electromagnetic devices, especially of electromagnetic valves of combustion engines. 4,856,482, 8-15-89, Cl. 123-506.000.
- Linder, Ernst: *See—*
  - Rembold, Helmut; Linder, Ernst; and Haag, Gottlob, 4,879,984, Cl. 123-450.000.
- Linder, Jerome: *See—*
  - Chen, Kau-Ming; Hardtmann, Goetz E.; Kapa, Prasad K.; Lee, George T.; Linder, Jerome; and Wattanasin, Sompong, 4,870,199, Cl. 556-437.000.
- Linder, Klaus. Device for locating a detail. 4,836,785, 6-6-89, Cl. 434-153.000.
- Linder, Peter E.: *See—*
  - Armstrong, William H.; Linder, Peter E.; Kasper, Gary; and Rohn, Dean R., 4,825,502, Cl. 15-339.000.
- Linder, Rudolf: *See—*
  - Keller, Heimo; Keppler, Bernhard; Kruger, Uwe; and Linder, Rudolf, 4,804,681, Cl. 514-493.000.
- Linder, William J.: *See—*
  - Dupuis, Timmothy J.; Reinke, James D.; and Linder, William J., 4,829,476, Cl. 365-158.000.
- Linderman R. Ivan, to KLR Machines, Inc. Juice drainage system. 4,816,155, 3-28-89, Cl. 210-459.000.
- Lindermann Maschinenfabrik GmbH: *See—*
  - Adolph, Manfred, 4,798,345, Cl. 241-186.200.
- Lindermann, Wilhelm; and Forster, Manfred, to Deutsche Babcock Werke Aktiengesellschaft. Cooler for gases generated by gasification. 4,813,382, 3-21-89, Cl. 122-7.00R.
- Linders, John R.: *See—*
  - Jeerings, Donald I.; and Linders, John R., 4,851,782, Cl. 324-520.000.
  - Jeerings, Donald I.; and Linders, John R., 4,871,971, Cl. 324-509.000.
- Lindert, Heinrich. Deboning machine. 4,811,457, 3-14-89, Cl. 17-11.000.
- Lindgren, Anders, to Siemens Aktiengesellschaft. Heart pacemaker for avoiding pacemaker mediated tachycardia at mode switching. 4,802,483, 2-7-89, Cl. 128-419.0PG.
- Lindgren, Donald R., Sr.; and Lindgren, Donald S., Jr. Cheese extrusion device. 4,850,837, 7-25-89, Cl. 425-84.000.
- Lindgren, Donald S., Jr.: *See—*
  - Lindgren, Donald R., Sr.; and Lindgren, Donald S., Jr., 4,850,837, Cl. 425-84.000.
- Lindgren, Hakan; Olsson, Jan O.; Knudsen, Martin; and Ronningen, Knut, to Kanthal AB. Forehearth. 4,854,960, 8-8-89, Cl. 65-346.000.
- Lindgren, Lars: *See—*
  - Runkvist, Birger; Lindgren, Lars; and Axelsson, Sabud, 4,862,696, Cl. 62-50.600.
- Lindgren, Matts J., to Lockheed Missiles & Space Company, Inc. Anti-fouling tube for an inflation-control line on a parachute. 4,813,636, 3-21-89, Cl. 244-152.000.
- Lindgren, Richard P.: *See—*
  - Giberson, Melbourne F.; and Lindgren, Richard P., 4,867,006, Cl. 74-573.00R.
- Lindgren, Terence W.: *See—*
  - Aranda, Michael A.; Ebbers, Timothy J.; Iida, Yoshio; Lindgren, Terence W.; and Robertson, Taggart H., 4,878,182, Cl. 364-518.000.
- Lindgren, Theodore D. Dual-rotary induction motor with stationary field winding. 4,829,205, 5-9-89, Cl. 310-166.000.
- Lindgren, Theodore D. Inductive torque transmitter with stationary field winding. 4,831,298, 5-16-89, Cl. 310-106.000.
- Lindgren, Theodore D. Brushless alternator and synchronous motor with optional stationary field winding. 4,831,300, 5-16-89, Cl. 310-190.000.
- Lindgren, Theodore D. Transformer and synchronous machine with stationary field winding. 4,835,431, 5-30-89, Cl. 310-254.000.
- Lindh, De Vere V.: *See—*
  - Colonel, Richard C.; and Lindh, De Vere V., 4,823,883, Cl. 168-12.000.
- Lindh, Devere: *See—*
  - Colonel, Richard C.; and Lindh, Devere, 4,798,009, Cl. 36-28.000.
- Lindh, Devere V.: *See—*
  - Colonel, Richard C.; Lindh, Devere V.; and Sutton, Frederick A., 4,869,479, Cl. 267-158.000.
- Lindhard, Gordon: *See—*
  - Putrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,800,378, Cl. 340-722.000.
  - Putrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,851,833, Cl. 340-722.000.
  - Wisneski, Leonard J., Jr.; Govekar, Craig F.; Lindhard, Gordon; and Quinn, Robert O., 4,804,921, Cl. 324-394.000.
- Lindholm, Leif Gustav: *See—*
  - Holmgren, Jan R.; Lindholm, Leif Gustav; and Svennerholm, Lars T., 4,888,275, Cl. 435-7.000.
- Lindholm, Stig O. E., to Orion-yhtyma Oy. A process for the preparation of anhydrous, stable, crystalline delta-form of prazosin hydrochloride. 4,873,330, 10-10-89, Cl. 544-291.000.
- Lindhout, Paul: *See—*
  - Timmer, Hendrikus J. M.; and Lindhout, Paul, 4,815,161, Cl. 16-35.00R.
- Lindig, Christian; and Duffait, Roland, to VDO Adolf Schindling AG. Cross-coil moving-magnet measuring instrument. 4,827,210, 5-2-89, Cl. 324-146.000.
- Lindig, Markus; and Becker, Benedikt, to Bayer Aktiengesellschaft. 1-aralkyl-5-imino-pyrazole compounds, pesticidal composition and use. 4,822,810, 4-18-89, Cl. 514-407.000.
- Lindig, Markus; and Becker, Benedikt, to Bayer Aktiengesellschaft. Arthropodicidal and fungicidal methods of using 1-aralkylpyrazoles. 4,845,089, 7-4-89, Cl. 514-210.000.
- Lindig, Otto; and Pannhorst, Wolfgang, to Schott Glaswerke. Glass-ceramic with specific thermal expansion behavior. 4,851,372, 7-25-89, Cl. 501-4.000.
- Lindigkeit, Jurgen, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Dental alloy castings and method. 4,830,824, 5-16-89, Cl. 420-436.000.
- Lindinger, Werner. Process for verifying the energy of an ion beam. 4,870,276, 9-26-89, Cl. 250-282.000.
- Lindknud Plast A/S: *See—*
  - Gjelstrup, Lars; and Hansen, Flemming, 4,822,180, Cl. 383-57.000.
- Lindkvist, Erik A. Method and apparatus for administering anesthetics. 4,794,921, 1-3-89, Cl. 128-203.290.
- Lindland, Hans: *See—*
  - Andersson, Rolf J.; Pajes, Chajkiel; Hoglund, Kjell; Nilsson, Tore; Husebye, Ragnar; Hoyland, Sigbjorn; Lindland, Hans; Mong, Tore; and Nesse, Erling, 4,805,951, Cl. 294-116.000.
- Lindley, Delores H.: *See—*
  - Lindley, William L.; and Lindley, Delores H., 4,848,742, Cl. 272-144.000.
- Lindley, Donald J.: *See—*
  - Moskowitz, Larry N.; and Lindley, Donald J., 4,869,936, Cl. 427-423.000.
- Lindley, Martin K.: *See—*
  - Nixon, Rodger J.; Roselli, Peter J. C.; Armstrong, David I.; Lindley, Martin K.; and de la Bere, Imogen E., 4,841,441, Cl. 364-401.000.
- Lindley, William L.; and Lindley, Delores H. Lumbar stretch rocker. 4,848,742, 7-18-89, Cl. 272-144.000.
- Lindman, Richard P.: *See—*
  - Lindman, Richard S.; Lindman, Richard P.; and Myers, Edward D., 4,882,752, Cl. 380-25.000.
- Lindman, Richard S.; Lindman, Richard P.; and Myers, Edward D. Computer security system. 4,882,752, 11-21-89, Cl. 380-25.000.
- Lindmark, Curt, to Diantek AB. Detector for sensing and/or measuring passing objects. 4,866,425, 9-12-89, Cl. 340-556.000.
- Lindmayer, Istvan, to Advanced Medical Technologies Inc. Medicine vial adaptor for needleless injector. 4,883,483, 11-28-89, Cl. 604-411.000.
- Lindmayer, Joseph, to Quantex Corporation. Infrared sensing device outputting orange light and a process for making the same. 4,806,772, 2-21-89, Cl. 250-484.100.
- Lindmayer, Joseph, to Quantex Corporation. Infrared sensing device outputting blue-green light. 4,812,659, 3-14-89, Cl. 250-484.100.
- Lindmayer, Joseph, to Quantex Corporation. Photoluminescent materials for outputting yellow-green light. 4,812,660, 3-14-89, Cl. 250-484.100.
- Lindmayer, Joseph, to Quantex Corporation. Thermoluminescent material including fusible salt. 4,818,434, 4-4-89, Cl. 252-301.40S.
- Lindmayer, Joseph, to Quantex Corporation. Photoluminescent materials for outputting blue-green light. 4,822,520, 4-18-89, Cl. 252-301.40S.
- Lindmayer, Joseph, to Quantex Corporation. Photoluminescent materials and associated process and infrared sensing device. 4,830,875, 5-16-89, Cl. 427-69.000.
- Lindmayer, Joseph, to Quantex Corporation. Photoluminescent materials for outputting orange light. 4,839,092, 6-13-89, Cl. 252-301.40S.

Lindmayer, Joseph, to Quantex Corporation. High efficiency photoluminescent material for optical upconversion. 4,842,960, 6-27-89, Cl. 428-690.000.

Lindmayer, Joseph, to Quantex Corporation. Photoluminescent materials for radiography. 4,855,603, 8-8-89, Cl. 250-484.100.

Lindmayer, Joseph, to Quantex Corporation. Optical memory system and method of using the same. 4,864,536, 9-5-89, Cl. 365-119.000.

Lindmayer, Joseph, to Quantex Corporation. Photoluminescent materials for outputting reddish-orange light and a process for making the same. 4,879,186, 11-7-89, Cl. 428-691.000.

Lindmayer, Joseph, to Quantex Corporation. Method for making stable optically transmissive conductors, including electrodes for electroluminescent devices. 4,880,475, 11-14-89, Cl. 427-69.000.

Lindner, Adolf: *See*—
Adam, Peter; Lindner, Adolf; Schilling, Werner; and Wehner, Ewald, 4,888,508, Cl. 310-42.000.

Lindner, Bernard J.; and Lorenz, Harold, to PT Components, Inc. Direct lever acting solenoid released brake mechanism. 4,798,269, 1-17-89, Cl. 188-171.000.

Lindner, Charles E., to Carriere, Ron, a part interest. Combination backpack and cot. 4,885,812, 12-12-89, Cl. 5-113.000.

Lindner, Christian; Peters, Horst; Buekers, Josef; and Urbanneck, Bernd, to Bayer Aktiengesellschaft. Moulding compositions having flame-resistant properties. 4,810,739, 3-7-89, Cl. 524-371.000.

Lindner, Christian; and Ott, Karl-Heinz, to Bayer Aktiengesellschaft. Process for the production of graft polymers of high rubber content. 4,859,744, 8-22-89, Cl. 525-256.000.

Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, to Bayer Aktiengesellschaft. Thermoplastic silicone rubber graft polymers (I). 4,865,917, 9-12-89, Cl. 428-407.000.

Lindner, Christian; Dickone, Karlfried; Suling, Carlhans; Korte, Siegfried; and Podszun, Wolfgang, to Bayer Aktiengesellschaft. New triazolopyrimidines and their use as initiators. 4,871,850, 10-3-89, Cl. 544-256.000.

Lindner, Christian; Wittmann, Dieter; Trabert, Ludwig; Suling, Carlhans; Bartl, Herbert; and Ott, Karl-Heinz, to Bayer Aktiengesellschaft. Graft polymers and blends thereof with polyamides. 4,873,289, 10-10-89, Cl. 525-293.000.

Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, to Bayer Aktiengesellschaft. Thermoplastic silicon rubber graft polymers (II). 4,885,209, 12-5-89, Cl. 428-420.000.

Lindner, Christian: *See*—
Damrath, Volker; Lindner, Christian; Kress, Hans-Jurgen; and Wittmann, Dieter, 4,859,740, Cl. 525-100.000.
Damrath, Volker; Lindner, Christian; Kress, Hans-Jurgen; and Wittmann, Dieter, 4,861,831, Cl. 525-100.000.
Eichenauer, Herbert; Lindner, Christian; Muller, Friedemann; Hocker, Hartwig; and Keul, Helmut, 4,801,632, Cl. 524-37.000.
Eichenauer, Herbert; Lindner, Christian; Ott, Karl-Heinz; Orth, Peter; and Hocker, Hartwig, 4,826,946, Cl. 528-14.000.
Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,806,593, Cl. 525-63.000.
Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,812,515, Cl. 525-69.000.
Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, 4,861,829, Cl. 525-92.000.
Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, 4,879,342, Cl. 525-67.000.
Trabert, Ludwig; Lindner, Christian; Merten, Josef; and Haupt, Heinrich, 4,806,587, Cl. 524-504.000.
Wittmann, Dieter; Lindner, Christian; Kress, Hans-Jurgen; Peters, Horst; and Schoeps, Jochen, 4,804,708, Cl. 525-67.000.
Wittmann, Dieter; Westeppe, Uwe; Idel, Karsten-Josef; Lindner, Christian; Merten, Josef; and Selbeck, Harald, 4,822,852, Cl. 525-66.000.
Wittmann, Dieter; Kress, Hans-Jurgen; Ott, Karl-Heinz; and Lindner, Christian, 4,866,123, Cl. 525-67.000.

Lindner, Darrell M.; and Freeman, John R., to Gorman-Rupp Company, The. Valve assembly for an oscillating pump. 4,824,337, 4-25-89, Cl. 417-417.000.

Lindner, David L.: *See*—
Volkmann, Robert A.; and Lindner, David L., 4,870,170, Cl. 540-310.000.

Lindner, Georg H., to M&T Chemicals Inc. Submersible positive displacement piston pump. 4,863,358, 9-5-89, Cl. 417-500.000.

Lindner, Johann, to AB ASEA-ATOM. Method for operation of a light water boiling reactor. 4,871,508, 10-3-89, Cl. 376-260.000.

Lindner, Manfred: *See*—
Bardl, Artur; and Lindner, Manfred, 4,837,827, Cl. 381-34.000.

Lindner, Richard; and Rex, Bertram R., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Controlled breakover bidirectional semiconductor switch. 4,797,720, 1-10-89, Cl. 357-39.000.

Lindo, John E.: *See*—
Tilton, McLane; Lindo, John E.; and Sorce, Raymond A., 4,846,326, Cl. 192-70.190.

Lindoerfer, Walter: *See*—
Jahn-Held, Wilhelm; Lindoerfer, Walter; and Wartenpfuhl, Friedel, 4,886,393, Cl. 405-128.000.

Lindorfer, Walter: *See*—
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Lindovist, Per E.: *See*—
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Lindow, James T.; Bennett, Simon D.; and Smith, Ian R., to SiScan Systems, Inc. Method and apparatus for reading or measuring magneto-optical storage media using pinhole aperture. 4,847,823, 7-11-89, Cl. 369-110.000.

Lindow, Steven E., to University of California, The Regents of the. Microorganism inhibition of frost damage to plants. 4,855,230, 8-8-89, Cl. 435-30.000.

Lindow, Steven E., to University of California, The Regents of the. Microbial and chemical control of fruit russetting. 4,877,438, 10-31-89, Cl. 71-79.000.

Lindquist, Charles: *See*—
Crabtree, Timothy L.; Fairchild, Robert G.; and Lindquist, Charles, 4,846,619, Cl. 414-273.000.

Lindquist, Craig B.: *See*—
DeMartelaere, David L.; and Lindquist, Craig B., 4,845,998, Cl. 73-862.230.

Lindquist, Dale C.: *See*—
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Lindquist, Thomas R.; and Bambacigno, Ralph, to Convault, Inc. Method for entombment of tanks in concrete. 4,826,644, 5-2-89, Cl. 264-71.000.

Lindqvist, Ake: *See*—
Brantmark, Hkan; Lindqvist, Ake; and Norefors, Ulf-Goran, 4,888,708, Cl. 364-513.000.

Lindqvist, Bengt; Hogstrom, Bjarne; Sandberg, Martin; and Nilsson, Per I., to Pharmacia AB. UV absorbing lens material. 4,795,461, 1-3-89, Cl. 623-6.000.

Lindqvist, Nils R.: *See*—
Bernhardsson, Sven-Olov; Eriksson, Hans F.; Norberg, Sven P.; Forssell, Lars O. H.; and Lindqvist, Nils R., 4,798,635, Cl. 148-325.000.

Lindroos, Kaj; and Tohonen, Mauno, to Valmet Oy. Spreader roll or equivalent for a fabric in a paper machine, and method for manufacturing the same. 4,856,158, 8-15-89, Cl. 29-116.100.

Lindroth, Thomas A.: *See*—
Colegrove, George T.; and Lindroth, Thomas A., 4,832,730, Cl. 71-92.000.
Colegrove, George T.; and Lindroth, Thomas A., 4,874,423, Cl. 71-95.000.
Colegrove, George T.; and Lindroth, Thomas A., 4,874,854, Cl. 536-114.000.

Lindsay, Adrienne: *See*—
Barton, Carlos L.; Lindsay, Adrienne; and Henson, Samuel W., 4,812,213, Cl. 204-15.000.

Lindsay Audiophyle Associates: *See*—
Lindsay, David S., 4,851,707, Cl. 307-137.000.

Lindsay, Brad H. Radiant barrier apparatus. 4,825,089, 4-25-89, Cl. 250-515.100.

Lindsay, David S., to Lindsay Audiophyle Associates. "Fritting" technique and apparatus for improving the sound of switches and connectors in audio circuits. 4,851,707, 7-25-89, Cl. 307-137.000.

Lindsay, Deborah J.; and Feldstein, Nathan, to Surface Technology, Inc. Activators for colloidal catalysts in electroless plating processes. 4,820,547, 4-11-89, Cl. 427-97.000.

Lindsay, Edward R.; Aid, James D.; and Cameron, Norman F., to Baxter Travenol Laboratories, Inc. Water pressure regulator for hemodialysis apparatus. 4,828,693, 5-9-89, Cl. 210-137.000.

Lindsay, Erin J.; and Howell, James B., to Minnesota Mining and Manufacturing Company. Venous return catheter. 4,863,441, 9-5-89, Cl. 604-280.000.

Lindsay, Fred, to Lindsay Industries, Inc. Unified floor frame assembly for modular mobile home. 4,863,189, 9-5-89, Cl. 280-789.000.

Lindsay H. Industries, Inc.: *See*—
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Lindsay Industries, Inc.: *See*—
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Lindsay, John W.: *See*—
Rush, Hughey A.; Hibbard, Billy B.; Pursoo, Johnson L.; Lindsay, John W.; Smith, Thomas E.; Harper, Kenneth; Tullos, Michael V.; and Davis, James E., 4,886,706, Cl. 428-288.000.

Lindsay, Peter: *See*—
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Lindsay, Richard D., to Plasma Energy Corporation. Process for recovery of free aluminum from aluminum dross or aluminum scrap using plasma energy. 4,877,448, 10-31-89, Cl. 75-10.210.

Lindsay, Stephen L., to Lindsay H. Industries, Inc. Telephone apparatus for the hearing impaired. 4,823,384, 4-18-89, Cl. 379-441.000.

Lindsay, Stephen L. Door deadbolt lock. 4,884,421, 12-5-89, Cl. 70-129.000.

Lindsay, Stuart M., to Arizona Board of Regents, Arizona State University. Cell and substrate for electrochemical STM studies. 4,868,396, 9-19-89, Cl. 250-440.100.

Lindsay, Tom E. Magnetic gasket for shielding against electromagnetic radiation. 4,820,885, 4-11-89, Cl. 174-35.0GC.

Lindsay, Tom E., to Pawling Corporation. End clip for medical RFI/EMI shielding strips and shielding strip assembly including same. 4,866,213, 9-12-89, Cl. 174-35.0GC.

Lindsay, Tom E.; and Smith, James C., to Lindsay, Tom E. Device for encouraging children to brush their teeth regularly. 4,878,[illegible], 11-7-89, Cl. 434-238.000.

Lindsey, Alan F.; and Jacquemin, Jean-Marie, to Depuydt, Patrick. Production of polished flat glass. 4,833,832, 5-30-89, Cl. 51-54.000.

Lindsey, Carole B.: *See*—
Carlberg, Kristine E.; and Lindsey, Carole B., 4,796,805, Cl. 239-2.200.

Lindsey Completion Systems, Inc.: *See*—
Allwin, Roger P., 4,848,462, Cl. 166-208.000.
Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., 4,828,037, Cl. 166-382.000.
Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., 4,862,966, Cl. 166-382.000.
Lindsey, Hiram E.; and Adams, Richard W., 4,880,058, Cl. 166-289.000.

Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., to Lindsey Completion Systems, Inc. Liner hanger with retrievable ball valve seat. 4,828,037, 5-9-89, Cl. 166-382.000.

Lindsey, Hiram E.; Allwin, Roger P.; and Adams, Richard W., to Lindsey Completion Systems, Inc. Liner hanger with collapsible ball valve seat. 4,862,966, 9-5-89, Cl. 166-382.000.

Lindsey, Hiram E.; and Adams, Richard W., to Lindsey Completion Systems, Inc. Stage cementing valve. 4,880,058, 11-14-89, Cl. 166-289.000.

Lindsey, John: *See*—
Onnenberg, Volker; Busch, Ralf; and Lindsey, John, 4,808,100, Cl. 425-127.000.

Lindsey, Keith E., to Lindsey Manufacturing Company. Apparatus and method for sensing power line conditions. 4,823,022, 4-18-89, Cl. 307-149.000.

Lindsey, Kelly D.: *See*—
Holan, Robert J.; and Lindsey, Kelly D., 4,815,338, Cl. 74-713.000.

Lindsey, Kevin, to National Research Development Corporation. Mounting device. 4,872,291, 10-10-89, Cl. 51-166.00R.

Lindsey, Kurt; and Sitar, Clem P., to Furnas Electric Company. Easily serviced fluid pressure operated switch. 4,868,356, 9-19-89, Cl. 200-83.00P.

Lindsey Manufacturing Company: *See*—
Lindsey, Keith E., 4,823,022, Cl. 307-149.000.

Lindsey, Orville L.: *See*—
Fasnacht, Floyd A., Jr.; Hacker, Michael G.; Lindsey, Orville L.; and Smentek, Thomas J., 4,868,798, Cl. 367-104.000.

Lindsey, Russell E., to Scott Manufacturing, Inc. Module builder back door latch. 4,802,604, 2-7-89, Cl. 220-324.000.

Lindsey, Thomas O.: *See*—
Bowie, Betty A.; Hedde, Richard D.; Lindsey, Thomas O.; Newman, David J.; Shearer, Marcia C.; Sitrin, Robert D.; and Valenta, Joseph R., 4,797,280, Cl. 424-118.000.

Lindsey, Warren M. Method and means of generating distance measuring data and recording same. 4,882,850, 11-28-89, Cl. 33-760.000.

Lindsey, William J. Shower toiletries kit. 4,889,141, 12-26-89, Cl. 132-286.000.

Lindsey, William J.: *See*—
Patton, William E.; and Lindsey, William J., 4,886,507, Cl. 604-284.000.

Lindskog, Inga M.; Sjogren, Bengt C. H.; and Andersson, Sven-Borje, to Aktiebolaget Leo. Intravaginal devices. 4,871,543, 10-3-89, Cl. 424-432.000.

Lindskog, Kjell; and Sandegard, Jan, to Procare AB. Device for teaching treatment of skeleton injuries. 4,802,858, 2-7-89, Cl. 434-274.000.

Lindsley, Brett L.: *See*—
Gerson, Ira A.; Lindsley, Brett L.; and Smanski, Philip J., 4,797,929, Cl. 381-43.000.
Gerson, Ira A.; and Lindsley, Brett L., 4,870,686, Cl. 381-43.000.
Vilmur, Richard J.; Barlo, Joseph J.; Gerson, Ira A.; and Lindsley, Brett L., 4,811,404, Cl. 381-94.000.

Lindstadt, Klaus; and Rudolf, Karl, to Diehl GmbH & Co. Warhead with metal coating for controlled fragmentation. 4,858,531, 8-22-89, Cl. 102-307.000.

Lindstadt, Klaus; and Wittmer, Detlev, to Diehl GmbH & Co. Remote action mine. 4,860,658, 8-29-89, Cl. 102-427.000.

Lindstam, Goran, to AB Akerlund & Rausing. Container device and a method for manufacturing of the device. 4,808,179, 2-28-89, Cl. 604-408.000.

Lindstedt, Dennis H., to Brunswick Corporation. Marine drive exhaust system with shaped O-ring seals. 4,866,934, 9-19-89, Cl. 60-321.000.

Lindstrand, Douglas K.: *See*—
Nipper, James H.; Men, Grigory; and Lindstrand, Douglas K., 4,813,223, Cl. 57-294.000.

Lindstrom, Albert K.; Strader, David R.; and Henley, George S. Double deadrise with multiple reflex chine boat hull structure and engine mounting system. 4,813,365, 3-21-89, Cl. 114-56.000.

Lindstrom, Alf I., to Sunds Defibrator Aktiebolag. Apparatus for liquid treatment of pulp with vapor separation. 4,808,310, 2-28-89, Cl. 210-401.000.

Lindstrom, Bjorn: *See*—
Stenstrom, Lennart; Wahlstrom, Lennart; and Lindstrom, Bjorn, 4,816,231, Cl. 422-300.000.

Lindstrom, Bjorn T.: *See*—
Johansson, Jan A.; Jonsson, Jan I.; and Lindstrom, Bjorn T., 4,875,555, Cl. 187-9.00R.

Lindstrom, Edgar K.; and Morris, Marvin L., to J. I. Case Company. Multiple-edge sod cutter for vibratory plow. 4,871,027, 10-3-89, Cl. 172-40.000.

Lindstrom, Jean M.: *See*—
Lighthart, Eric L.; Hahn, Robert A.; Lindstrom, Jean M.; and Rummell, Jon R., 4,845,609, Cl. 364-200.000.

Lindstrom, Lennart, to Kabmatik AB. Cable switching device. 4,883,230, 11-28-89, Cl. 242-25.00R.

Lindstrom, Michael J.: *See*—
Carroll, Glenn T.; Lindstrom, Michael J.; and Tuszynski, William J., 4,804,485, Cl. 252-8.552.
Graeber, Edward L.; and Lindstrom, Michael J., 4,859,778, Cl. 548-158.000.

Lindstrom, Oscar F. Spin toy launcher. 4,795,396, 1-3-89, Cl. 446-259.000.

Lindstrom, Richard L. Intracorneal lens. 4,799,931, 1-24-89, Cl. 623-5.000.

Lindstrom, Richard L. Corneal implant lens with fixation holes. 4,851,003, 7-25-89, Cl. 623-5.000.

Lindstrom, Richard L.; and Skelnik, Debra L. Additive for irrigation solution or surgical solution. 4,886,786, 12-12-89, Cl. 514-54.000.

Lindstrom, Tom S. C.: *See*—
Wagberg, Lars E. R.; and Lindstrom, Tom S. C., 4,824,523, Cl. 162-164.100.

Linduist, Tommy N.; Vukotic, Milos; Hedin, Ann-Christine; and Francke, Kurt O., to Aktiebolaget Electrolux. Vacuum cleaner combination latch and electrical contact arrangement. 4,809,398, 3-7-89, Cl. 15-339.000.

Lindvay, Michael W.; Knerr, Allan R.; and Sollner, George H., to Phelps Dodge Industries, Inc. Aliphatic isocyanurate containing polyester resins, method for making the same, magnet wire coated therewith and an electromagnetic device. 4,849,465, 7-18-89, Cl. 524-736.000.

Linea A S.r.l.: *See*—
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Lineal Thermotech Limited: *See*—
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Linear Corporation: *See*—
Isaacman, Marvin, 4,859,990, Cl. 340-539.000.

Linear Integrated Systems, Inc.: *See*—
Kal, Omer; and Hall, John H., 4,870,418, Cl. 341-133.000.

Linear Optics Company, Inc.: *See*—
Mullen, Patrick W.; and Nobile, Frederick E., 4,888,126, Cl. 252-299.500.

Linear Technology Corporation: *See*—
Dobkin, Robert C.; and Nelson, Carl T., 4,843,302, Cl. 323-312.000.
Erdi, George, 4,837,496, Cl. 323-315.000.
Essaff, Robert; and Dobkin, Robert C., 4,812,961, Cl. 363-61.000.
Lai, Chong K.; and Dobkin, Robert C., 4,888,634, Cl. 357-72.000.
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Nelson, Carl T., 4,823,070, Cl. 323-285.000.
O'Neill, Dennis P., 4,827,156, Cl. 307-255.000.
O'Neill, Dennis P.; and Nelson, Carl T., 4,847,520, Cl. 307-296.100.
O'Neill, Dennis P.; and Nelson, Carl T., 4,851,953, Cl. 361-101.000.
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Lineback, Cecil, to Waste Management Systems, Inc. Sandblasted garbage disposal system and method of using. 4,877,190, 10-31-89, Cl. 241-5.000.

Linebarger, Randolph S., to Rockwell International Corporation. Velocimeter for a printing press web. 4,875,769, 10-24-89, Cl. 356-28.000.

Linehan, Francis P., to Gould Inc. Method and apparatus for decompressing encoded data. 4,809,081, 2-28-89, Cl. 358-260.000.

Linenberg, Itzchak: *See*—
Keren, Hanan; and Linenberg, Itzchak, 4,833,429, Cl. 333-156.000.

Linenberger, Delvern D.: *See*—
Benedict, Becky A.; Lester, James M.; and Linenberger, Delvern D., 4,825,667, Cl. 62-51.200.

Liner, Sherry A. M. Movable hairdressing cart. 4,795,179, 1-3-89, Cl. 280-47.350.

Lines, Jerry L., to MiTek Industries, Inc. Apparatus for making wooden I-beams. 4,840,207, 6-20-89, Cl. 144-41.000.

Lines, Jerry L., to MiTek Industries, Inc. Production line assembly for making wooden I-beams. 4,846,923, 7-11-89, Cl. 156-353.000.

Lines, Malcolm E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber systems employing multicomponent halide glass optical fibers. 4,820,017, 4-11-89, Cl. 350-96.300.

LineTech, Inc.: *See*—
Van Meter, Larry W., 4,876,751, Cl. 4-431.000.

Ling, Chong-Kuan. Planarly-operating combination padlock. 4,803,856, 2-14-89, Cl. 70-28.000.

Ling, Chong-Kuan. Randomly engageable combination locking device. 4,852,372, 8-1-89, Cl. 70-312.000.

Ling, Chong-Kuan. Pusher-type combination padlock. 4,866,959, 9-19-89, Cl. 70-25.000.

Ling, Chong-Kuan, to Sinox Company, Ltd. Interlockable lock. 4,884,419, 12-5-89, Cl. 70-4.000.

Ling, Chong-Kuan. Quickly openable combination padlock of push-button type. 4,887,441, 12-19-89, Cl. 70-25.000.

Ling Electronics, Inc.: *See*—
Butts, Gary, 4,858,488, Cl. 74-519.000.

Ling, Fuyun, to Codex Corporation. Echo cancellation. 4,813,073, 3-14-89, Cl. 379-410.000.

Ling, Hung C.; and Yan, Man F., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Monolithic capacitor-varistor. 4,811,164, 3-7-89, Cl. 361-321.000.

Ling, Lorraine B.; and Ng, Thomas K., to Du Pont de Nemours, E. I., and Company. Fermentation process for carboxylic acids. 4,877,731, 10-31-89, Cl. 435-142.000.

Ling, Michael T. K.: *See*—
Woo, Lecon; and Ling, Michael T. K., 4,856,259, Cl. 53-373.000.
Woo, Lecon; and Ling, Michael T. K., 4,856,260, Cl. 53-373.000.

Ling Nan Flexible & Shaft Factory of Guang zhou: *See—*
- Jiang, Ying Z., 4,819,694, Cl. 137-625.470.

Ling, Sung C., to General Technology, Inc. Conductivity probe. 4,808,931, 2-28-89, Cl. 324-444.000.

Ling, Victor; and Kartner, Norbert, to Ontario Cancer Institute, The. Method for selecting hybridomas producing antibodies specific to the P-glycoprotein cell suface antigen and a cDNA clone encoding the C-terminal portion of the antigen. 4,837,306, 6-6-89, Cl. 530-387.000.

Lingafelter, Jerry K.: *See—*
- Haney, Keith M.; and Lingafelter, Jerry K., 4,867,236, Cl. 166-77.500.

Lingard, John S.: *See—*
- Askwith, Andrew P.; and Lingard, John S., 4,811,920, Cl. 244-145.000.

Lingenhoff, Berthold: *See—*
- Gies, Burkhard; and Lingenhoff, Berthold, 4,796,406, Cl. 53-202.000.
- Gies, Burkhard; and Lingenhoff, Berthold, 4,864,798, Cl. 53-202.000.

Lingl GmbH & Co. KG: *See—*
- Koch, Rainer, 4,803,905, Cl. 83-13.000.

Lingle, Cleo M. Fastening bar assembly for frameless insulating panels. 4,858,403, 8-22-89, Cl. 52-127.120.

Lingnau, Juergen: *See—*
- Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,256, Cl. 526-75.000.
- Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,257, Cl. 526-75.000.
- Bender, Albert; Guenther, Dieter; and Lingnau, Juergen, 4,869,983, Cl. 430-58.000.

Lings, Geoffrey P., to National Research Development Corporation. Components in or for self-powered vehicles. 4,798,254, 1-17-89, Cl. 180-58.000.

Lings, Geoffrey P., to National Research Development Corporation. Components in or for self-powered vehicles. 4,821,826, 4-18-89, Cl. 180-58.000.

Linhardt, Hans D. Combined gas-steam-turbine power plant. 4,831,817, 5-23-89, Cl. 60-39.120.

Linhardt, Robert J.; Merchant, Zohar M.; Weiler, John M.; and Sharath, Murali, to University of Iowa Research Foundation. Low molecular weight heparin fragments as inhibitors of complement activation. 4,847,338, 7-11-89, Cl. 536-54.000.

Linhart, Joseph J.: *See—*
- Hoffman, Donald B.; Linhart, Joseph J.; and Stoces, Raymond C., 4,886,247, Cl. 266-246.000.

Linick, James. Infra red imaging system. 4,886,330, 12-12-89, Cl. 350-6.500.

Linjar Transportteknik I Stockholm AB: *See—*
- Aman, Martin, 4,877,338, Cl. 384-26.000.

Link, Achim; and Weidinger, Reinhold, to Fichtel & Sachs AG. Clutch arrangement. 4,871,050, 10-3-89, Cl. 192-70.290.

Link, Charles T.; Gray, Bennie M.; and Shumaker, Harold L., to American Standard Inc. Low-profile railway car retarder. 4,867,279, 9-19-89, Cl. 188-62.000.

Link, Christoph; and Brandiser, Herbert, to Sulzer-Escher Wyss AG. Roll arrangement containing a controlled deflection roll. 4,856,156, 8-15-89, Cl. 29-115.000.

Link, David H. Method of manufacturing electric lift trucks. 4,811,473, 3-14-89, Cl. 29-430.000.

Link, David H., to Clark Equipment Company. Lift truck. 4,834,424, 5-30-89, Cl. 280-785.000.

Link, Donald A.: *See—*
- Hubbard, Dean A.; Larsen, Michael R.; and Link, Donald A., 4,825,338, Cl. 361-376.000.

Link, Gerhard; Frohlich, Walter; Krumbock, Reinhard; Prantl, Georg; and Schaffelhofer, Iwo, to Hoechst Aktiengesellschaft. Process for the production of vinyl chloride through thermal cracking of 1,2-dichloroethane. 4,798,914, 1-17-89, Cl. 570-226.000.

Link, Helmut, to Hoffmann-LaRoche Inc. Imidazolium hydrogen carbonates. 4,808,727, 2-28-89, Cl. 548-337.000.

Link, Helmut; Montavon, Marc; Karpitschka, Eva M.; Klotzer, Wilhelm; and Mussner, Renate, to Hoffmann-La Roche Inc. Antimicrobial imidazolium derivatives. 4,831,151, 5-16-89, Cl. 514-398.000.

Link, Helmut: *See—*
- Klotzer, Wilhelm; Link, Helmut; Mussner, Renate; Schiestl, Werner; and Singewald, Nicolas, 4,814,332, Cl. 514-235.800.

Link, Helmut F.; and Waiblinger, Paul, to Index-Werke Komm.-Ges. Hahn & Tessky. Device for handling workpieces. 4,828,276, 5-9-89, Cl. 279-1.00L.

Link, Manfred, to TA Triumph-Adler Aktiengesellschaft. Method and device for coupling a cassette supported typewheel to a typewheel positioning shaft in typewriters or similar machines. 4,820,066, 4-11-89, Cl. 400-144.200.

Link, Walter: *See—*
- Rapp, Werner; Link, Walter; and Quinzio, Giovanni, 4,873,400, Cl. 178-19.000.

Linka, Adolf, to Lindauer Dornier Gesellschaft m.b.H. Multi-system weaving loom. 4,815,504, 3-28-89, Cl. 139-436.000.

Linka, Adolf; and Lanthaler, Franz, to Lindauer Dornier Gesellschaft m.b.H. Method and system for introducing a weft thread of finite length in a storage shuttle of a weaving loom. 4,817,680, 4-4-89, Cl. 139-436.000.

Linka, Adolf; Lanthaler, Frank; and Frommelt, Heinrich, to Lindauer Dornier Gesellschaft m.b.H. Magnetic shuttle drive system for a multi-system weaving loom. 4,848,410, 7-18-89, Cl. 139-134.000.

Linka, Aldof; Lanthaler, Frank; and Frommelt, Heinrich, to Lindauer Dornier Gesellschaft m.b.H. Weaving loom with pneumatic weft thread injection. 4,850,399, 7-25-89, Cl. 139-436.000.

Linke, Adolf: *See—*
- Dutz, Karl-Hein; Linke, Adolf; Wilmer, Gerhard; and Kuehn, Michael, 4,825,638, Cl. 60-39.020.

Linke-Hofmann-Busch GmbH: *See—*
- Kuker, Wolfgang; Braemert, Peter; and Ortmann, Werner, 4,802,417, Cl. 105-8.100.

Linke, Siegfried W.: *See—*
- Zerbes, Rudolf; Linke, Siegfried W.; and Mohrmann, Karl H., 4,886,892, Cl. 549-519.000.

Linke, Thomas A.; Dandan, Issa R.; Livingston, Troy W.; and Wilkerson, Alan W., to Buehler, Ltd. Polishing apparatus. 4,873,792, 10-17-89, Cl. 51-165.800.

Linke, Udo: *See—*
- Boden, Karl; Ibach, Harald; and Linke, Udo, 4,818,500, Cl. 422-249.000.

Linke, Wilfried: *See—*
- Fischer, Manfred; Dussler, Klaus; Linke, Wilfried; and Hartmann, Werner, 4,796,360, Cl. 30-384.000.

Linker, David: *See—*
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Linker, Frank V.; and Linker, Frank V., Jr., to American Tech Manufacturing Corp. Switch track assembly for high-speed handling of electronic components. 4,874,075, 10-17-89, Cl. 193-39.000.

Linker, Frank V., Jr.: *See—*
- Linker, Frank V.; and Linker, Frank V., Jr., 4,874,075, Cl. 193-39.000.

Linker, Paul M., III; and Lachapell, Ruth A., to Kimberly-Clark Corporation. External feminine protection device with skid-resistant coating for holding the device in place. 4,834,739, 5-30-89, Cl. 604-385.100.

Linkies, Adolf: *See—*
- Reuschling, Dieter; Linkies, Adolf; Reimann, Walter; Schweikert, Otto E.; Mack, Karl E.; and Ebertz, Wolfgang, 4,804,755, Cl. 544-2.000.
- Reuschling, Dieter; Linkies, Adolf; Reimann, Walter; Schweikert, Otto E.; and Mack, Karl E., 4,806,639, Cl. 544-2.000.

Linkow, Leonard I.; and Rinaldi, Anthony W., to Vent-Plant Corporation. Submergible screw-type dental implant and method of utilization. 4,842,518, 6-27-89, Cl. 433-174.000.

Linkowski, William J.; and Stelben, John J., to Pitney Bowes Inc. Inking control method and apparatus for a mailing machine. 4,843,572, 6-27-89, Cl. 364-519.000.

Linn, Bruce O.; and Mrozik, Helmut, to Merck & Co., Inc. Avermectin derivatives. 4,873,224, 10-10-89, Cl. 514-30.000.

Linn, Edwards E.; and West, Michael P., to Eli Lilly and Company. Water-in-oil microemulsions for cosmetic uses. 4,797,272, 1-10-89, Cl. 424-59.000.

Linn, Edwards E.; and York, Thomas O., to Elizabeth Arden Inc. Skin moisturizing microemulsions. 4,797,273, 1-10-89, Cl. 424-59.000.

Linn, Nobel, Jr.: *See—*
- Moore, Arnold P.; and Linn, Nobel, Jr., 4,800,933, Cl. 141-98.000.

Linn, Thomas D., to Boston Digital Corporation. Apparatus for confining and removing dust and other debris from a work region of a machine tool. 4,813,462, 3-21-89, Cl. 141-93.000.

Linn, Thomas D., to Boston Digital Corporation. Structural element for a machine tool. 4,856,752, 8-15-89, Cl. 248-678.000.

Linna, Kauko: *See—*
- Tormala, Pertti; Pohjonen, Timo; Ihanamaki, Aimo; Jormalainen, Eero; and Linna, Kauko, 4,829,097, Cl. 521-109.100.

Linnane, Anthony W., to Mucan Diagnostics Pty., Ltd. In vitro detection of gastrointestinal cancer. 4,818,682, 4-4-89, Cl. 435-7.000.

Linnau, Yendra: *See—*
- Eibl, Johann; and Linnau, Yendra, 4,814,277, Cl. 435-269.000.
- Eibl, Johann; Linnau, Yendra; and Schwarz, Otto, 4,886,758, Cl. 435-269.000.
- Schwarz, Otto; and Linnau, Yendra, 4,814,435, Cl. 530-383.000.

Linne, Mark: *See—*
- Kafka, James D.; Linne, Mark; and Baer, Thomas M., 4,847,850, Cl. 372-71.000.

Linnemann, Kent A., to Shippers Paper Products Company. Paperboard container for shipping material in bulk. 4,881,683, 11-21-89, Cl. 229-117.010.

Linnemann, Roger; Linnemann, Thomas E.; Berger, Mary E.; and Richardson, Wayne G., to Radiation Management Consultants, Inc. Decontamination table. 4,819,925, 4-11-89, Cl. 269-327.000.

Linnemann, Thomas E.: *See—*
- Linnemann, Roger; Linnemann, Thomas E.; Berger, Mary E.; and Richardson, Wayne G., 4,819,925, Cl. 269-327.000.

Linnemeier, Elmer H., to Torrington Company, The. Tempered needle bearing with dimple. 4,854,738, 8-8-89, Cl. 384-127.000.

Linnemeier, Elmer H., to Torrington Company, The. Universal joint cross. 4,869,616, 9-26-89, Cl. 403-270.000.

Linner, Hans, to Norden Packaging Machinery AB. Device in a tube filling machinery. 4,819,789, 4-11-89, Cl. 198-803.800.

Linner, John G., to Board of Regents, The University of Texas System. Method for cryopreparing biological tissue for ultrastructural analysis. 4,799,361, 1-24-89, Cl. 62-64.000.

Linner, John G.; and Livesey, Stephen A., to Board of Regents The University of Texas System. Cryo-slamming apparatus and method for ultrarapid cooling of biological samples. 4,807,442, 2-28-89, Cl. 62-55.500.

Linner, John G.: *See—*
- Livesey, Stephen A.; and Linner, John G., 4,865,871, Cl. 427-4.000.

Linnerbauer, Horst: *See—*
- Spinner, Georg; Pitschi, Franz-Xaver; and Linnerbauer, Horst, 4,880,949, Cl. 200-501.000.

Linnhoff GmbH: *See—*
- Schmid, Max; and Lex, Peter, 4,823,423, Cl. 151-83.000.

Linnola Ltd.: *See—*
- Keane, James, 4,832,833, Cl. 208-390.000.

Linotype Aktiengesellschaft: *See—*
- Hornig, Klaus-Jurgen; and Thiessen, Hans-Henning, 4,821,048, Cl. 346-108.000.

Linowski, John W.: *See—*
- Geus, John W.; and Linowski, John W., 4,855,091, Cl. 264-22.000.

Lins, Christopher S.: *See—*
- Boucher, Stephen G.; Lins, Christopher S.; and Simoneau, Michael J., 4,815,048, Cl. 367-173.000.

Linscott, Susan E., to Amway Corporation. Granola bar with supplemental dietary fiber and method. 4,871,557, 10-3-89, Cl. 426-93.000.

Linse-Loefgren, Anna M., to Nestec S.A. Preparation of food product. 4,847,107, 7-11-89, Cl. 426-582.000.

Linsen, Lauri G., to A. Ahlstrom Corporation. Inclined grate apparatus for use in the combustion chamber of a combustion furnace. 4,684,516, 12-5-89, Cl. 110-281.000.

Linsenbold, Herbert: *See—*
- Wilms, Elman; Jung, Dieter; Linsenbold, Herbert; Pioch, Lothar; and Wichelhaus, Winfried, 4,861,510, Cl. 252-174.130.

Linsenmayer, Glenn R., to United States of America, Air Force. Communication adaptive multi-sensor system. 4,860,216 8-22-89, Cl. 364-516.000.

Linsinger Maschinenbau GmbH: *See—*
- Pomikacsek, Josef, 4,824,300, Cl. 409-138.000.
- Pomikacsek, Josef, 4,856,948, Cl. 409-138.000.

Linski, Ron. Infant food catch. 4,848,834, 7-18-89, Cl. 297-182.000.

Linsky, Gary; Cunningham, Timothy; and Pines, Eli, to Johnson & Johnson Patient Care, Inc. Heparin-containing adhesion prevention barrier and process. 4,840,626, 6-20-89, Cl. 604-364.000.

Linsley, Peter: *See—*
- Hellstrom, Ingegerd; Brown, Joseph P.; Hellstrom, Karl E.; Horn, Diane; and Linsley, Peter, 4,873,188, Cl. 435-7.000.

Linsley, Peter S.; Ochs, Vincent W.; Horn, Diane; Brown, Joseph P.; Ring, David B.; and Frankel, Arthur E., to Cetus Corporation; and Oncogen Limited Partnership. Assay for human breast cancer. 4,803,169, 2-7-89, Cl. 435-7.000.

Linsner, Otmar, and Berroth, Karl, to Hoechst CeramTec Aktiengesellschaft. Process for sealing ceramic heat exchangers. 4,812,334, 3-14-89, Cl. 427-369.000.

Linss, Gerhard; and Ossberger, Karl F., to Ossberger-Turbinenfabrik GmbH & Co. Apparatus for manufacturing a plastic hollow body with a blow-molded body part. 4,806,091, 2-21-89, Cl. 425-529.000.

Linss, Gerhard; and Ossberger, Karl-Friedrich, to Ossberger-Turbinenfabrik GmbH & Co. Apparatus for manufacturing a plastic hollow body open on one end and closed on the other. 4,806,092, 2-21-89, Cl. 425-529.000.

Linss, Gerhard; and Ossberger, Karl F., to Ossberger-Turbinenfabrik GmbH & Co. Apparatus comprising a ring-shaped nozzle, for manufacturing a hollow body comprised of plastic material. 4,806,093, 2-21-89, Cl. 425-529.000.

Linss, Gerhard; and Ossberger, Karl-Friedrich, to Ossberger Turbinenfabrik GmbH & Co. Apparatus for manufacturing a plastic hollow body which has a slidable mandrel. 4,808,105, 2-28-89, Cl. 425-529.000.

L'Institut de l'Amiante: *See—*
- Dunnigan, Jacques; and Menard, Hugues, 4,875,910, Cl. 55-74.000.

Lintner, Kurt: *See—*
- Hammerl, Gunter; Lintner, Kurt; Krautscheid, Josef; and Klement, Johann, 4,870,546, Cl. 362-92.000.

Linton, Donald F.: *See—*
- Griffith, John B.; and Linton, Donald F., 4,825,050, Cl. 235-379.000.

Linton, John H.; and Hussar, Nick, to John Labatt Limited. Animal feed supplement prepared from wet corn bran and corn steep liquor. 4,859,485, 8-22-89, Cl. 426-623.000.

Linton, Richard S.: *See—*
- White, Ian H.; Linton, Richard S.; and Carroll, John E., 4,809,290, Cl. 372-44.000.

Linton, Robert R.: *See—*
- Goode, Stephen T.; Linton, Robert R.; and Baiocchi, Fred, 4,822,601, Cl. 424-59.000.

Lintula, Leanne M.: *See—*
- East, Gary P.; Laguette, Stephen W.; Heindl, Alfons; and Lintula, Leanne M., 4,861,331, Cl. 604-9.000.

Linus Pauling Institute of Science and Medicine: *See—*
- Zuckerkandl, Emile, 4,863,729, Cl. 424-85.800.

Linville, Andrew F., Jr.; Shirley, Thomas E.; and Griffith, Paul G., to Mobil Oil Corporation. Method and apparatus for removing sinusoidal noise from seismic data. 4,853,903, 8-1-89, Cl. 367-46.000.

Linville, Andrew F., Jr.: *See—*
- Hadidi, Mohamed T.; Jurkevics, Andrejs; and Linville, Andrew F., Jr., 4,884,247, Cl. 367-43.000.

Linyeav, Eugene J. and Chang, Chi-Huang M., to Western Atlas International, Inc. Quick change electrical coupling. 4,857,006, 8-15-89, Cl. 439-271.000.

Linz, Alfredo R.; Peterson, Joe W.; and Nair, Velayudhan V., to Advanced Micro Devices, Inc. Digital-to-analog converter with no offset-induced errors. 4,843,394, 6-27-89, Cl. 341-154.000.

Linzer, Frederick D.; and Hauck, Paul L., to Westinghouse Electric Corp. Heat exchanger tube bundle protection apparatus. 4,811,783, 3-14-89, Cl. 165-134.100.

Lion Akzo Company Limited: *See—*
- Inagaki, Takeo; Fukasawa, Akira; and Yamagishi, Hiroshi, 4,845,298, Cl. 564-490.000.

Lion Apparel, Inc.: *See—*
- Aldridge, Don; and Metzger, Rolf U., 4,817,210, Cl. 2-81.000
- McKenney, Billie R.; Aldridge, Donald; and Webb, Judy K., 4,864,655, Cl. 2-93.000.

Lion Corporation: *See—*
- Adachi, Kuniaki; Tamai, Hideo; and Sadai, Masanao, 4,874,791, Cl. 514-558.000.
- Akabane, Yasuhiro; Tamura, Takamitsu; and Fujiwara, Masami, 4,820,437, Cl. 252-102.000.
- Johna, Nobuo; Ishikawa, Tsutomu; Kawabe, Takeshi; and Nakamura, Masayoshi, 4,825,444, Cl. 372-41.000.
- Kitano, Kyozo; and Sekiguchi, Shizuo, 4,816,188, Cl. 260-400.000.
- Komiyama, Noboru; Oguma, Masayuki; and Miyamoto, Noriko, 4,804,412, Cl. 106-35.000.
- Maeno, Seiji; Ozaki, Hidetaka; and Yamada, Hisashi, 4,830,779, Cl. 252-512.000.
- Masamizu, Koji; Hirokawa, Shinya; and Fujita, Sanae, 4,839,395, Cl. 521-56.000.
- Miyake, Miyuki; Toda, Haruhiko; and Yasu, Minako, 4,885,159, Cl. 424-70.000.
- Okouchi, Haruo; and Konishi, Shoji, 4,795,630, Cl. 424-49.000.
- Saso, Kazuo, 4,865,839, Cl. 424-54.000.
- Shibasaki, Ken-ichiro; Itoi, Hiroshi; Ohkubo, Shouichi; and Sano, Hiroshi, 4,879,281, Cl. 514-55.000.
- Takeuchi, Keiji; Nishino, Takashi; Odera, Motoyasu; Shimogaki, Hisao; and Negi, Tahee, 4,797,362, Cl. 435-221.000.
- Uematsu, Michio; and Suganuma, Nobuo, 4,877,602, Cl. 424-49.000.

Lion Technology Limited: *See—*
- Jones, Thomas P., 4,868,545, Cl. 340-573.000.

Lionel Trains, Inc.: *See—*
- Reiling, Victor G., Jr.; Dean, Brian L.; and Cooney, Daniel J., 4,869,700, Cl. 446-90.000.

Lionetti, Thomas A.: *See—*
- Colvert, James H.; Lionetti, Thomas A.; and MacLean, John P., 4,828,802, Cl. 422-144.000.

Lionetto, Gene: *See—*
- Morelli, John; Sletten, Robert; and Lionetto, Gene, 4,846,696, Cl. 439-31.000.

Lions Eye Inst. of Western Australia: *See—*
- Cringle, Stephen J., 4,874,237, Cl. 351-221.000.

Lior, David, to David Lior and Stanley Zipser, a joint venture. High flow, low turbulence swim-in-place pool operation method. 4,845,787, 7-11-89, Cl. 4-488.000.

Lior, Shai: *See—*
- Landa, Benzion; Blake, Christopher J.; Housworth, Gerald R.; and Lior, Shai, 4,871,163, Cl. 271-225.000.

Lioret, Jean-Claude; and Bonnaure, Christian, to Gaz de France. Process for installing a probe for monitoring the position of an interface between two fluids and means for implementing said process. 4,833,321, 5-23-89, Cl. 250-258.000.

Liotta, Charles L.; and Burgess, Edward M., to M&T Chemicals Inc. Omega-phase catalyzed chemical reactions. 4,801,728, 1-31-89, Cl. 558-348.000.

Liotta, Frank J., Jr.: *See—*
- Shawl, Edward T.; Kesling, Haven S., Jr.; and Liotta, Frank J., Jr., 4,883,908, Cl. 560-344.000.

Liotta, Lance A. Layered immunoassay using antibodies bound to transport particles to determine the presence of an antigen. 4,837,145, 6-6-89, Cl. 435-7.000.

Liotta, Lance A.: *See—*
- Sobel, Mark E.; Liotta, Lance A.; Wewer, Ulla M.; Jaye, Michael C.; and Drohan, William N., 4,861,710, Cl. 435-6.000.
- Tryggvason, Karl; and Liotta, Lance A., 4,808,528, Cl. 435-172.200.
- Tryggvason, Karl; and Liotta, Lance A., 4,816,400, Cl. 435-219.000.

Liou, Fu T.: *See—*
- Yu, Ruey J.; and Liou, Fu T., 4,802,054, Cl. 361-91.000.

Liou, Fu-Tai: *See—*
- Bryant, Frank R.; and Liou, Fu-Tai, 4,863,562, Cl. 156-649.000.
- Miller, Robert O.; and Liou, Fu-Tai, 4,886,764, Cl. 437-200.000.

Liou, In-Jyh: *See—*
- Lin, Jui-Chang, 4,820,330, Cl. 70-277.000.
- Lin, Jui-Chang, 4,837,427, Cl. 235-488.000.

Liou, Kang-Yih, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for the operation of a distributed feedback laser. 4,835,779, 5-30-89, Cl. 372-26.000.

Liou, Mou-Tang. Clutch type socket wrench. 4,796,492, 1-10-89, Cl. 81-58.000.

Liou, Tian-I: *See—*
- Teng, Chih-Sieh; Liou, Tian-I; and Chun-Min, Hiekyung, 4,877,751, Cl. 437-47.000.

Lioutas, Theodore S., to General Mills, Inc. Dried green vegetable and method of preparation. 4,832,969, 5-23-89, Cl. 426-270.000.

Lipa, George W.: *See—*
- Walter, Richard T.; Bhagwat, Pradeep; and Lipa, George W., 4,853,607, Cl. 320-36.000.

Lipari, Dominic T., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Coaxial connector. 4,880,396, 11-14-89, Cl 439-578.000.

- Lipari, Dominic T.: *See—*
  - Arnold, Richard M.; Baker, Paul A.; Drucker, Coleen A.; Gashler, Robert J.; Lipari, Dominic T.; Robin, Max S.; and Schell, Howard C., 4,806,107, Cl. 439-79.000.
- Liparulo, Nicholas J.: *See—*
  - Squarer, David; Colin, Andre; Prior, Robert P.; Mink, Frederick J.; and Liparulo, Nicholas J., 4,859,405, Cl. 376-299.000.
- Lipatov, Jury S.: *See—*
  - Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; Oleinik, Viktor N.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chajuk, Igor A.; Lipatov, Jury S.; Veselovsky, Roman A.; and Kiselevsky, Boris A., 4,865,673, Cl. 156-156.000.
- Lipha Chemicals, Inc.: *See—*
  - Zablotowicz, Robert M.; Upchurch, Robert G.; and Ligon, James M., 4,863,866, Cl. 435-252.200.
- Lipham, Luke B.; Stuedemann, John A.; and Thompson, Frederick N., Jr., to United States of America, America; and University of Georgia Research Foundation, Inc. Prevention of fescue toxicosis. 4,880,632, 11-14-89, Cl. 424-425.000.
- Lipinski, Christopher A., to Pfizer Inc. Hydroxyacetic acid derivatives for the treatment of diabetic complications. 4,853,410, 8-1-89, Cl. 514-432.000.
- Lipinski, Richard J.; and Chang, Kelvin Y., to Mogul Corporation, The. Corrosion inhibiting compositions containing carboxylated phosphonic acids and sequestrants. 4,798,675, 1-17-89, Cl. 210-700.000.
- Lipinski, Thomas L.; and Goedker, Joseph L., to Checker Machine, Inc. Portable food freezer with internal helical conveyor. 4,798,062, 1-17-89, Cl. 62-381.000.
- Lipisko, Bruce A.; Schumacher, John C.; Howard, Richard E.; Randtke, Peter T.; Sandu, Adrian; Fletcher, Robert E.; and Graf, Hans-Juergen, to Air Products and Chemicals, Inc. Chemical refill system. 4,859,375, 8-22-89, Cl. 261-20.000.
- Lipisko, Bruce A.: *See—*
  - Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,828,660, Cl. 204-82.000.
  - Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,855,023, Cl. 204-130.000.
- Lipkin, Margalit: *See—*
  - Dorel, David; and Lipkin, Margalit, 4,834,388, Cl. 273-236.000.
- Lipman, Kenneth: *See—*
  - Levy, Alexander H.; and Lipman, Kenneth, 4,797,186, Cl. 204-129.000.
- Lipman, Leonard H., to Falcor Group Inc. Portable strobe light system. 4,827,245, 5-2-89, Cl. 340-321.000.
- Lipman, Steven B.: *See—*
  - Ayon, Lance C.; and Lipman, Steven B., 4,815,999, Cl. 446-73.000.
- Lipner, Melvin H.; Mundy, Roger A.; and Impink, Victor N. K., to Westinghouse Electric Corp. Machine assisted execution of process operating procedures. 4,815,014, 3-21-89, Cl. 364-550.000.
- Lipner, Melvin H.: *See—*
  - Impink, Albert J., Jr.; Lipner, Melvin H.; and Mundy, Roger A., 4,803,039, Cl. 376-216.000.
  - Woods, David D.; Elm, William C.; Lipner, Melvin H.; Butterworth, George E., III; and Easter, James R., 4,816,208, Cl. 376-259.000.
- Lipner, Steve: *See—*
  - Herbison, B. J.; Lyman, Carter; Karger, Paul; Mann, Bruce; Lipner, Steve; and Miller, Arnold, 4,881,263, Cl. 380-21.000.
- Lipoma, Samuel P.: *See—*
  - Bertness, Theodore A.; and Lipoma, Samuel P., 4,877,536, Cl. 210-712.000.
- Liposome Company, Inc., The: *See—*
  - Bally, Marcel B.; Loughrey, Helen; and Cullis, Pieter R., 4,885,172, Cl. 424-417.000.
  - Janoff, Andrew S.; Bolcsak, Lois E.; Weiner, Alan L.; Tremblay, Paul A.; Bergamini, Michael V. W.; and Suddith, Robert L., 4,861,580, Cl. 424-1.100.
  - Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.
- Liposome Technology, Inc.: *See—*
  - Abra, Robert, 4,822,777, Cl. 514-31.000.
  - Allen, Theresa M., 4,837,028, Cl. 424-450.000.
  - Guo, Luke S. S.; Redmann, Carl T.; and Radhakrishnan, Ramachandran, 4,804,539, Cl. 424-450.000.
  - Guo, Luke S. S., 4,818,537, Cl. 424-427.000.
  - Guo, Luke S. S.; Redemann, Carl T.; Radhakrishnan, Ramachandran; and Yau-Young, Annie, 4,839,175, Cl. 424-450.000.
  - Mayhew, Eric; Ehrke, M. Jane; Mace, Kenneth; Szoka, Francis; and Olson, Fred C., 4,873,088, Cl. 424-450.000.
  - Uster, Paul S.; and Quinn, Yolanda P., 4,828,837, Cl. 424-450.000.
- Lipov, Sergei. Buttock and leg support. 4,862,523, 9-5-89, Cl. 2-409.000.
- Lipowitz, Jonathan: *See—*
  - Bujalski, Duane R.; LeGrow, Gary E.; Lipowitz, Jonathan; and Lim, Thomas F., 4,824,918, Cl. 525-479.000.
  - Bujalski, Duane R.; Le Grow, Gary E.; Lipowitz, Jonathan; and Lim, Thomas F., 4,889,899, Cl. 525-479.000.
- Lipp, Alfred: *See—*
  - Schwetz, Karl-Alexander; Grellner, Wolfgang; Hunold, Klaus; Mohr, Max; and Lipp, Alfred, 4,803,183, Cl. 501-96.000.
  - Sindlhauser, Peter; Hunold, Klaus; and Lipp, Alfred, 4,885,264, Cl. 501-87.000.
  - Steinmann, Detlef; and Lipp, Alfred, 4,814,301, Cl. 501-92.000.
- Lipp, Charles W., to Dow Chemical Company, The. Apparatus for use with pressurized reactors. 4,857,075, 8-15-89, Cl. 48-86.00R.
- Lipp, Charles W.: *See—*
  - Pearson, Stanley R.; Merrick, Douglas D.; White, William P.; and Lipp, Charles W., 4,857,076, Cl. 48-86.00R.
- Lipp, David W.; and Nagaraj, D. R., to American Cyanamid Company. Polymeric sulfide mineral depressants. 4,866,150, 9-12-89, Cl. 526-288.000.
- Lipp, David W.; and Nagaraj, D. R., to American Cyanamid Company. Method of using polymeric sulfide mineral depressants. 4,888,106, 12-19-89, Cl. 209-167.000.
- Lipp, Don. Dental floss adapter. 4,817,642, 4-4-89, Cl. 132-324.000.
- Lipp, Eberhard; and Wetzel, Hans, to Draiswerke GmbH. Pinned mill for mixers. 4,848,919, 7-18-89, Cl. 366-295.000.
- Lipp, Ellis P., to Emhart Industries, Inc. Combination plunger and slider switch. 4,857,678, 8-15-89, Cl. 200-16.00R.
- Lipp, Ellis P.: *See—*
  - Chestnut, Benjamin F.; Lipp, Ellis P.; and Mark, Charles H., 4,851,624, Cl. 200-317.000.
  - Ray, Donald L.; and Lipp, Ellis P., 4,868,354, Cl. 200-17.00R.
- Lipp, G. Daniel, to Corning Glass Works. Lightweight ceramic structures and method. 4,822,660, 4-18-89, Cl. 428-113.000.
- Lipp, Xaver. Suspension cable casing system. 4,821,501, 4-18-89, Cl. 57-210.000.
- Lipp, Xaver. Car for traveling along a sheathed cable. 4,882,998, 11-28-89, Cl. 104-112.000.
- Lippa, Arnold S.; and Scheer, David I., to Yeda Research and Development Company, Ltd. Virus inactivation. 4,857,514, 8-15-89, Cl. 514-78.000.
- Lippacher, Wolfgang; and Riedl, Reinhard, to Hilti Aktiengesellschaft. Hand-held tool with detachable tool bit chuck. 4,824,298, 4-25-89, Cl. 408-240.000.
- Lippard, Ernest R., III: *See—*
  - Moran, Kevin E.; Smith, Michael L.; and Lippard, Ernest R., III, 4,875,780, Cl. 356-446.000.
- Lippard, Stephen J.; and Bowler, Bruce E., to Massachusetts Institute of Technology. Platinum-intercalative complexes for the treatment of cancer. 4,843,161, 6-27-89, Cl. 546-10.000.
- Lipparini, Mauro; and Tapinassi, Roberto. Articulated support rod for forward folding backs of seats such as sofa, armchair or the like. 4,865,387, 9-12-89, Cl. 297-378.000.
- Lippert, Hans-Joachim; and Ceylan, Ahmet, to Siemens Aktiengesellschaft. Nuclear reactor fuel assembly. 4,851,187, 7-25-89, Cl. 376-448.000.
- Lippert, Hans-Joachim, to Siemens Aktiengesellschaft. Nuclear reactor fuel assembly. 4,861,545, 8-29-89, Cl. 376-448.000.
- Lippert, Irving S.; Sturgis, John I.; and Whiteside, George D., to Polaroid Corporation. Film cassette-liquid spread roller assembly interface. 4,839,676, 6-13-89, Cl. 354-86.000.
- Lippert, Mary E.; Enloe, Kenneth M.; Koch, Debra J.; Roessler, Thomas H.; and Pazdernik, Patrick A., to Kimberly-Clark Corporation. Diaper article with elasticized waist panel. 4,861,652, 8-29-89, Cl. 428-284.000.
- Lippert, Raymond E. Brake light attachment. 4,800,471, 1-24-89, Cl. 362-80.000.
- Lippert, Thomas E.: *See—*
  - Griffin, Rodney L.; Ciliberti, David F.; and Lippert, Thomas E., 4,812,149, Cl. 55-71.000.
- Lippert, Walter: *See—*
  - Buchler, Wilhelm; Lippert, Walter; and Maier, Lorenz, 4,854,028, Cl. 29-452.000.
- Lippes, Jack. Method for monitoring fetal-material circulation time. 4,821,732, 4-18-89, Cl. 128-632.000.
- Lippey, Barret, to Hughes Aircraft Company. Room temperature attachment method employing a mercury-gold amalgam. 4,863,090, 9-5-89, Cl. 228-116.000.
- Lippincott, Gerry N.: *See—*
  - Booth, Dwight E.; and Lippincott, Gerry N., 4,818,840, Cl. 219-121.720.
- Lippincott, Howard C.; Quickert, Stephen C.; and Gundlach, Larry C., to Oscar Mayer Foods Corporation. Method for cooking meat in a bag. 4,820,536, 4-11-89, Cl. 426-412.000.
- Lippitt, Mark C.: *See—*
  - Gershenson, Edward; Lemone, Louis A.; and Lippitt, Mark C., 4,825,403, Cl. 364-900.000.
- Lippman, Gerald: *See—*
  - Lippman, Glenn W.; and Lippman, Gerald, 4,872,941, Cl. 156-497.000.
- Lippman, Glenn W.; and Lippman, Gerald. Automatic welding apparatus for welding thermoplastic materials in sheet form. 4,872,941, 10-10-89, Cl. 156-497.000.
- Lippman, Jerry: *See—*
  - Ferziger, Daniel; and Lippman, Jerry, 4,801,493, Cl. 428-268.000.
- Lippmann, Raymond; and Nelson, James E., to General Motors Corporation. Stable brightness vacuum fluorescent display. 4,859,912, 8-22-89, Cl. 315-169.300.
- Lippmann, Raymond; and Schnars, Michael J., to Delco Electronics Corporation. Electronic range indicator for a motor vehicle. 4,882,572, 11-21-89, Cl. 340-456.000.
- Lippold, Steven R.; and Fenicchia, Armand R., to Eastman Kodak Company. Sheet handling apparatus. 4,807,867, 2-28-89, Cl. 271-277.000.
- Lippuner, Christian; and Baltensperger, Werner, to Gebrueder Buehler AG. Method for setting the grinding rollers in roller frames of a flour milling plant, as well as flour milling plant for performing the method. 4,881,689, 11-21-89, Cl. 241-9.000.

- Lippy, Michael: *See—*
  - Nasatka, Ralph G.; and Lippy, Michael, 4,818,136, Cl. 404-6.000.
- Liprie, Sam F. Iridium/platinum implant, method of encapsulation, and method of implantation. 4,819,618, 4-11-89, Cl. 600-7.000.
- Lips, Donald C.: *See—*
  - Shkedi, Zvi; Lips, Donald C.; and McCormack, William H., 4,864,463, Cl. 361-283.000.
- Lipschutz, David, to Hewlett-Packard Company. Flow map apparatus. 4,827,942, 5-9-89, Cl. 128-661.080.
- Lipschutz, Lewis D., to International Business Machines Corporation. Bonding method. 4,805,831, 2-21-89, Cl. 228-180.200.
- Lipscomb, James T.: *See—*
  - Cohen, Albert; Lipscomb, James T.; Antos, Richard J.; and Wesson, Anthony E., 4,820,127, Cl. 416-221.000.
- Lipscomb, N. Thornton; and Buazza, Omar M., to Ophthalmic Research Group International, Inc. Plastic lens composition and method for the production thereof. 4,879,318, 11-7-89, Cl. 522-42.000.
- Lipscomb, Robert S. Changeable sign assembly. 4,884,352, 12-5-89, Cl. 40-611.000.
- Lipshultz, Alfred J.: *See—*
  - Lipshultz, Mitchell; and Lipshultz, Alfred J., 4,856,559, Cl. 137-801.000.
- Lipshultz, Mitchell; and Lipshultz, Alfred J., to Aquathin Corp. Faucet providing and utilizing air gap. 4,856,559, 8-15-89, Cl. 137-801.000.
- Lipson, Erik; and Sansom Smith, Melanie J. Tubular eyeglass frame. 4,828,355, 5-9-89, Cl. 351-51.000.
- Lipsztajn, Marek, to Tenneco Canada Inc. Electrosynthesis of persulfate. 4,802,959, 2-7-89, Cl. 204-82.000.
- Lipsztajn, Marek, to Tenneco Canada Inc. Electrical removal of chromium from chlorate solutions. 4,834,848, 5-30-89, Cl. 204-97.000.
- Lipsztajn, Marek; McGilvery, James D.; and Twardowski, Zbigniew, to Tenneco Canada Inc. Production of chlorine dioxide in an electrolytic cell. 4,853,096, 8-1-89, Cl. 204-101.000.
- Liptak, Maria: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
- Lipton, Lenny; Berman, Arthur; and Meyer, Lawrence D., to StereoGraphics Corporation. Achromatic liquid crystal shutter for stereoscopic and other applications. 4,820,027, 4-11-89, Cl. 350-347.00E.
- Lipton, Lenny; Berman, Arthur; and Meyer, Lawrence D., to Stereographics Corporation. Achromatic liquid crystal shutter for stereoscopic and other applications. 4,884,876, 12-5-89, Cl. 350-347.00E.
- Liqui-Box Corporation: *See—*
  - Bond, Curtis J., 4,796,788, Cl. 222-94.000.
  - Ulm, John G., 4,874,023, Cl. 141-346.000.
- Liquid Air Corporation: *See—*
  - Anderson, Sara H.; and Lutgen, Noel F., 4,806,156, Cl. 75-96.000.
  - Anderson, Sara H.; McGeever, Jocelyne; McGeever, Casey; and Carr, Greg, 4,828,609, Cl. 75-96.000.
  - Brugerolle, Jean-Renaud; Combe, Michel; and Paganessi, Joseph, 4,847,057, Cl. 423-234.000.
  - Hubert, Jean-Luc; Harvey, Todd; and Bajcar, Miles, 4,813,245, Cl. 62-380.000.
  - Paganessi, Joseph E.; Sauer, Richard A.; and Deloche, Daniel C., 4,834,779, Cl. 55-16.000.
- Liquid Air Engineering Corporation: *See—*
  - Eyre, Douglas V., 4,867,772, Cl. 62-24.000.
- Liquid Carbonic Corporation: *See—*
  - Tyree, Lewis, Jr., 4,878,362, Cl. 62-381.000.
  - Tyree, Lewis, Jr.; Gyger, Roger F.; and Rhoades, George D., 4,888,955, Cl. 62-47.100.
- Liquid Container Corporation: *See—*
  - Keyser, Frank T., 4,834,641, Cl. 425-503.000.
- Liquid Crystal Devices Limited: *See—*
  - Rickson, Colin D., 4,863,282, Cl. 374-162.000.
- Liquid Spring Investors, Ltd.: *See—*
  - Davis, Leo W., 4,877,222, Cl. 267-64.130.
- Liquipak International B.V.: *See—*
  - Mosse, Richard W. E., 4,805,380, Cl. 53-458.000.
- Liquipak International, Inc.: *See—*
  - Corniea, Donald G., 4,817,688, Cl. 141-140.000.
  - Corniea, Donald G., 4,838,462, Cl. 222-377.000.
  - Corniea, Donald G.; Marty, Steven J.; and McCaleb, David E., 4,869,397, Cl. 222-63.000.
- Lirette, Edward F. Folding table for a recreational vehicle. 4,829,910, 5-16-89, Cl. 108-80.000.
- Liron, John E., to Grass Valley Group, Inc., The. Low power differential ECL line driver. 4,795,916, 1-3-89, Cl. 307-270.000.
- Lis, Randall E.: *See—*
  - Greenberg, Stanley S.; Lis, Randall E.; Lumma, William C., Jr.; Nickisch, Klaus; and Wohl, Ronald A., 4,851,526, Cl. 540-603.000.
  - Nickisch, Klaus; Lis, Randall E.; Lumma, William C., Jr.; Morgan, Thomas K., Jr.; and Wohl, Ronald A., 4,804,662, Cl. 514-252.000.
- Lis, Robert J., to General Motors Corporation. Interconnection apparatus for a segmented amortisseur winding. 4,814,656, 3-21-89, Cl. 310-269.000.
- Lisa, Robert W.; and Spector, George. Mara block. 4,843,772, 7-4-89, Cl. 52-308.000.
- Lisa, Rudolph E.: *See—*
  - Finnan, Jeffrey L.; Lisa, Rudolph E.; and Wisniach, Joseph T., 4,830,859, Cl. 424-465.000.
- Lisack, Dennis. Umbrella with pistol-shaped handle and trigger-activated opening device. 4,802,499, 2-7-89, Cl. 135-24.000.
- Lisak, Stephen P.; and McGuire, James T., to Ryder International and Textron, Inc. Jack hold down device. 4,838,512, 6-13-89, Cl. 248-503.000.
- Lisak, Stephen P.: *See—*
  - Ryder, Francis E.; Lisak, Stephen P.; and Purdy, Harold L., 4,802,067, Cl. 362-61.000.
  - Ryder, Francis E.; and Lisak, Stephen P., 4,809,139, Cl. 362-66.000.
- Lisart, Jean G. Watertight walls for hydraulic structures in compacted concrete and methods for constructing said walls. 4,832,528, 5-23-89, Cl. 405-116.000.
- Lisauskas, Richard J., to Texas Instruments Incorporated. Combination motor protector and starter apparatus. 4,862,306, 8-29-89, Cl. 361-24.000.
- Lischynsky, Steve J.: *See—*
  - Caldwell, Kevin G.; Lischynsky, Steve J.; and Bagi, Elza V., 4,877,303, Cl. 350-96.210.
- Lisec, Peter. Device for the attachment of spacer frames. 4,803,775, 2-14-89, Cl. 29-822.000.
- Lisec, Peter. Apparatus for the production of spacer frames. 4,836,005, 6-6-89, Cl. 72-306.000.
- Lisec, Peter. Device for the formation of a corner of flexible spacers for glass plates. 4,854,022, 8-8-89, Cl 29-33.00K.
- Lisec, Peter. Apparatus for the production of spacer frames. 4,885,926, 12-12-89, Cl. 72-306.000.
- Lisec, Peter. Process and apparatus for filling an insulating glass unit with filler gas. 4,886,095, 12-12-89, Cl. 141-4.000.
- Lisec, Peter. Apparatus for the manipulation of spacer frames. 4,886,410, 12-12-89, Cl. 414-27.000.
- Lisenby, David L. Belt restraining apparatus for automobile passengers. 4,832,367, 5-23-89, Cl. 280-808.000.
- Lish, Charles A., to North American Philips Corporation. Neural network with dynamic refresh capability. 4,866,645, 9-12-89, Cl. 364-602.000.
- Lisi, Dominic A., to ITT Corporation. Submersible mixer support system with removable guide bars. 4,808,040, 2-28-89, Cl. 405-303.000.
- Lisi, Dominic A., to ITT Corporation. Submersible mixer support system. 4,808,041, 2-28-89, Cl. 405-303.000.
- Lisiecki, Robert E., to Elopak Systems A.G. Low stress flat end closure arrangement for thermoplastic coated paperboard carton. 4,819,865, 4-11-89, Cl. 229-137.000.
- Lisiecki, Robert E., to Elopak Systems A.G. Two-piece flat top container. 4,842,188, 6-27-89, Cl. 229-123.300.
- Lisimaque, Gilles; and Fruhauf, Serge, to Thomson Composants Militaires et Spaciaux. Integrated circuit for the confidential storage and processing of data, comprising a device against fraudulent use. 4,813,024, 3-14-89, Cl. 365-228.000.
- Liska, Georg, to Zahnradfabrik Friedrichshafen, AG. Radial piston pump. 4,881,877, 11-21-89, Cl. 417-270.000.
- Liska, Jean-Louis, to Saft, S.A. Vented nickel-cadmium storage cell. 4,883,727, 11-28-89, Cl. 429-145.000.
- Lisker, Norbert: *See—*
  - Becker, Gunther; Reisinger, Gerhard; Taubenmann, Peter; and Lisker, Norbert, 4,865,226, Cl. 222-135.000.
- Lisle Corporation: *See—*
  - Norman, Robert A., 4,815,569, Cl. 188-5.000.
  - Williams, Danny L., 4,841,819, Cl. 81-3.800.
- Lisle, Ronald J.; Moss, Eual A.; and Ryder, John H., to International Business Machines Corp. Text compression and expansion method and apparatus. 4,843,389, 6-27-89, Cl. 341-106.000.
- Lisnet, Charles J.: *See—*
  - Hasl, Siegfried C.; and Lisnet, Charles J., 4,880,368, Cl. 425-116.000.
- Lisnyansky, Khaim; and Blecha, William E., to International Paper Company. Apparatus for continuously measuring the soda loss in a pulp washing system. 4,889,599, 12-26-89, Cl. 162-263.000.
- Lisonic Electronic Co. Ltd.: *See—*
  - Cheng, H. T., 4,803,585, Cl. 360-96.300.
- Lisowski, Walter E., to Helm Products, Inc. Rail clamp. 4,799,444, 1-24-89, Cl. 114-221.00R.
- Liss, Bernard: *See—*
  - Liss, Saul; and Liss, Bernard, 4,844,075, Cl. 128-419.00R.
  - Liss, Saul; and Liss, Bernard, 4,856,526, Cl. 128-422.000.
- Liss, Cheryl V.: *See—*
  - Harper, Robert; and Liss, Cheryl V., 4,851,736, Cl. 315-3.500.
- Liss, Eberhard; and Liss, Inge. Preservation of glucose in blood. 4,833,090, 5-23-89, Cl. 436-14.000.
- Liss, Inge: *See—*
  - Liss, Eberhard; and Liss, Inge, 4,833,090, Cl. 436-14.000.
- Liss, Saul; and Liss, Bernard, to Pain Suppression Labs, Inc. Transcranial stimulation for the treatment of cerebral palsy. 4,844,075, 7-4-89, Cl. 128-419.00R.
- Liss, Saul; and Liss, Bernard, to Pain Suppression Labs, Inc. Apparatus and methodology for treatment of headache syndromes. 4,856,526, 8-15-89, Cl. 128-422.000.
- Lissant, Kenneth J.; Beltman, Charles H.; and Bradley, Guy M., to Petrolite Corporation. System for producing high-internal-phase-ratio emulsion products on a continuous basis. 4,844,620, 7-4-89, Cl. 366-136.000.
- Lissenburg, Rokus C. D.; and Verboven, Paulus J. M., to U.S. Philips Corporation. Motor-compressor. 4,810,915, 3-7-89, Cl. 310-37.000.
- Lissillour, Jean: *See—*
  - Letemps, Bernard; Petitcollin, Jean-Mark; Perin, Francis; Prouveur, Herve; and Lissillour, Jean, 4,813,993, Cl. 65-273.000.

- Lissit, Scott A., to United States of America, Air Force. Method for soldering and contouring foil E-beam windows. 4,801,071, 1-31-89, Cl. 228-212.000.
- Lisson, Jerold B., to Eastman Kodak Company. Device and method for monitoring alignment utilizing phase conjugation. 4,846,575, 7-11-89, Cl. 356-363.000.
- Lisson, Jerold B.; and Stark, Richard A., to Eastman Kodak Company. Assembly and method for monitoring the alignment of a workpiece. 4,887,905, 12-19-89, Cl. 356-363.000.
- Lissot, Jean; Vasseur, Jean-Pierre; Thomas, Jean-Pierre; and Pascal, Claude, to Rhone-Poulenc S.A. Automated apparatus for carrying out biological, biochemical or physicochemical determinations. 4,796,197, 1-3-89, Cl. 364-500.000.
- List AG: *See—*
  - Kunz, Alfred; List, Heinz; and List, Jorg, 4,826.324, Cl. 366-99.000.
  - Liechti, Pierre, 4,889,431, Cl. 366-99.000.
  - List, Heinz; and List, Jorg, 4,824,257, Cl. 366-99.000.
- List, Frans J.; and Phelan, Cathal G., to U.S. Philips Corp. Redundant-storage memory. 4,862,417, 8-29-89, Cl. 365-200.000.
- List, Hans, to AVL Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik m.b.H. Prof.Dr.Dr.h.c. Hans List. Method concerning the delivery of fuel into the combustion chamber of a diesel engine and a device for realizing the method. 4,846,114, 7-11-89, Cl. 123-26.000.
- List, Harold A., to Railway Engineering Associates, Inc. Steering arms for self-steering trucks and truck retrofitting method. 4,889,054, 12-26-89, Cl. 105-167.000.
- List, Heinz; and List, Jorg, to List AG. Kneader-mixer. 4,824,257, 4-25-89, Cl. 366-99.000.
- List, Heinz: *See—*
  - Kunz, Alfred; List, Heinz; and List, Jorg, 4,826,324, Cl. 366-99.000.
- List, Helmut: *See—*
  - Engel, Gunter; Krempl, Peter W.; List, Helmut; Posch, Uwe; and Nitsch, Alfred, 4,881,003, Cl. 310-311.000.
- List, Jorg: *See—*
  - Kunz, Alfred; List, Heinz; and List, Jorg, 4,826,324, Cl. 366-99.000.
  - List, Heinz; and List, Jorg, 4,824,257, Cl 366-99.000.
- List, Paul H.; Schmidt, Peter C.; Steffens, Klaus-Jurgen; Perschbacher, Harald; Kraemer, Hans P.; and Sedlacek, Hans H., to Behringwerke Aktiengesellschaft. Pharmaceutical formulation and process for its preparation. 4,801,455, 1-31-89, Cl. 424-400.000.
- List, Steven J.; and Hurst, Ronald C., to Cabot Corporation. Process for producing carbon black. 4,879,104, 11-7-89, Cl. 423-450.000.
- List, Walter: *See—*
  - Holy, Franz; and List, Walter, 4,872,380, Cl. 82-124.000.
- Lister, Roy D.: *See—*
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  - Young, Grant A.; Lister, Roy D.; Wakley, William D.; and Andrews, Steven L., 4,857,197, Cl. 210-512.100.
- Listigovers, Nancy A.: *See—*
  - Mahabadi, Hadi K.; Ng, Tie H.; Listigovers, Nancy A.; and Martin, Trevor I., 4,877,706, Cl. 430-106.600.
- Liston, Christopher B., to Eastman Kodak Company. Electrophotographic method and apparatus. 4,804,603, 2-14-89, Cl. 430-45.000.
- Litchfield, Peter G. Ball. 4,874,169, 10-17-89, Cl. 273-60.00R.
- Lite Works, Inc.: *See—*
  - Hall, Tony R., 4,860,476, Cl. 40-593.000.
- Litecell, Inc.: *See—*
  - Glass, Walter; and van der Vaart, Herman, 4,849,867, Cl. 362-342.000.
- Litef GmbH: *See—*
  - Baumker, Manfred, 4,870,602, Cl. 364-571.020
  - Hassenpflug, Wolfgang, 4,844,383, Cl. 244-79.000.
  - Hassenplug, Wolfgang, 4,809,007, Cl. 342-417.000.
  - Schroeder, Werner, 4,825,261, Cl. 356-350.000.
  - Schroeder, Werner, 4,833,417, Cl. 329-50.000.
  - Tschanun, Wolfgang, 4,810,222, Cl. 445-28.000.
- Litens Automotive Partnership: *See—*
  - Bytzek, Klaus K., 4,816,012, Cl. 474-135.000.
  - Hanes, David A., 4,886,484, Cl. 474-135.000.
  - Komorowski, Jacek S., 4,824,421, Cl. 474-135.000.
- Lithgow, Baird E.: *See—*
  - Mohler, Paul J.; Romz, Thomas A.; and Lithgow, Baird E., 4,855,354, Cl. 525-54.240.
- Lithium Corporation of America: *See—*
  - Frianeza-Kullberg, Teresita C.; and Barnette, Darrish W., 4,859,343, Cl. 210-679.000.
  - Mehta, Vijay C., 4,820,672, Cl. 502-115.000.
  - Mehta, Vijay C., 4,820,879, Cl. 568-851.000.
- Litjens, John J.; Griffiths, John M.; and Baumhardt, Robert J., to Brunswick Corporation. Two cycle engine with turbulence generator at reed valves. 4,836,151, 6-6-89, Cl. 123-65.00V.
- Litjens, John J.; Griffiths, John M.; and Karls, Michael A., to Brunswick Corporation. Position control system for a marine propulsion device. 4,842,559, 6-27-89, Cl. 440-1.000.
- Litjens, John J.: *See—*
  - Griffiths, John M.; Litjens, John J.; and Newman, Neil A., 4,836,811, Cl. 440-61.000.
- Litman, David J.; and Ullman, Edwin F., to Syntex (U.S.A.) Inc. Simultaneous calibration heterogeneous immunoassay. 4,843,000, 6-27-89, Cl. 435-7.000.
- Litman, David J.; and Ullman, Edwin F., to Syntex (U.S.A.) Inc. Simultaneous calibration heterogeneous immunoassay. 4,849,338, 7-18-89, Cl. 435-7.000.
- Litmus Concepts, Inc.: *See—*
  - Lawrence, Paul J., 4,818,702, Cl. 436-66.000.
  - Lawrence, Paul J., 4,820,646, Cl. 436-66.000.
- Litovitz, Theodore A.: *See—*
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- Litt, Gerald J., to Du Pont de Nemours, E. I., and Company. Visualization device. 4,824,230, 4-25-89, Cl. 350-574.000.
- Litt, Irving L., to All Packaging Machinery & Supplies Corp. Continuous band and trim sealing apparatus for poly bags. 4,798,038, 1-17-89, Cl. 53-372.000.
- Litt, Mitchell: *See—*
  - Kron, Reuben E.; and Litt, Mitchell, 4,858,127, Cl. 364-413.070.
- Litt, Timothe, to Digital Equipment Corporation. Braille encoding method and display system. 4,840,567, 6-20-89, Cl. 434-114.000.
- Littell, Edmund R. Vacuum cup construction. 4,852,926, 8-1-89, Cl. 294-64.100.
- Littell, H. Edward, Jr.: *See—*
  - Wood, Robert B.; Thomas, Mark A.; Valimont, James L.; Littell, H. Edward, Jr.; and Freeman, Glenn E., 4,842,389, Cl. 350-3.700.
- Litterscheidt, Hans; Rahder, Manfred; Schutz, Carl-Heinz; and Weber, Richard A., to Thyssen Stahl AG. Process for the preparation of refined ferromanganese. 4,808,220, 2-28-89, Cl. 75-51.700.
- Litterst, Thomas: *See—*
  - Tittgemeyer, Udo; and Litterst, Thomas, 4,798,136, Cl. 101-181.000.
- Little Blue Limited Partnership: *See—*
  - Sander, Wendell; Huston, Dick; Broedner, Walter; and Huston, Clifford, 4,888,680, Cl. 364-200.000.
- Little, Bruce D.: *See—*
  - Stoakley, Diane M.; St. Clair, Anne K.; and Little, Bruce D., 4,864,865, Cl. 73-831.000.
- Little, D. Dawn: *See—*
  - Luttmer, Joseph D.; and Little, D. Dawn, 4,876,222, Cl. 437-225.000.
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  - Alvarado, Sergio I.; Crews, Alvin D., Jr.; Wepplo, Peter J.; Doehner, Robert F., Jr.; Brady, Thomas E.; Gange, David M.; and Little, Desiree L., 4,883,914, Cl. 564-91.000.
- Little, Donald E. Portable cooling pool, beach or car seat mat. 4,821,354, 4-18-89, Cl. 5-422.000.
- Little, Henry M. T.; and Hagon, John W. Boom spraying apparatus. 4,854,503, 8-8-89, Cl. 239-167.000.
- Little, James A.; and Cavin, Dennis, to Simco-Ramic Corp. Defect detection system with quick-release modules. 4,853,533, 8-1-89, Cl. 250-223.00R.
- Little, John C.; and Wilson, Charles A., to Dow Chemical Company, The. Preparation of difluoropyridine compounds. 4,822,887, 4-18-89, Cl. 546-345.000.
- Little, Johnny L.; and Little, Vernetta. Flexible cover and system for enclosing automobile hatch. 4,877,283, 10-31-89, Cl. 296-100.000.
- Little, Lloyd R. Combination plantar flexion/dorsiflexion ankle machine. 4,807,874, 2-28-89, Cl. 272-96.000.
- Little, Mervyn A.: *See—*
  - Matthews, James R. A.; Little, Mervyn A.; and Fisher, John, 4,834,105, Cl. 128-648.000.
- Little, Michael J.; Efron, Uzi; Braatz, Paul O.; Schwartz, Robert N.; Owechko, Yuri; and Welkowsky, Murray S., to Hughes Aircraft Company. Light valve system and method with pulsed readout. 4,807,976, 2-28-89, Cl. 350-355.000.
- Little, Percy A.: *See—*
  - Walton, Paul G.; and Little, Percy A., 4,819,747, Cl 175-385.000.
- Little, Randal A.: *See—*
  - Capp, F. William; Gerhardt, Don J.; and Little, Randal A., 4,881,055, Cl. 337-404.000.
- Little, Robert E., Jr. Game point scoring and analyzing device. 4,879,651, 11-7-89, Cl. 364-411.000.
- Little, Trevor J.; and Matthews, B. Ann, to North Carolina State University. Sewing machine having sewing forces measurement system. 4,869,187, 9-26-89, Cl. 112-262.100.
- Little, Vernetta: *See—*
  - Little, Johnny L.; and Little, Vernetta, 4,877,283, Cl. 296-100.000.
- Little, Wendell L.; and Smith, Michael D., to Dallas Semiconductor Corporation. High-density low-power circuit for sustaining a precharge level. 4,857,767, 8-15-89, Cl. 307-448.000.
- Little, Wendell L., to Dallas Semiconductor Corporation. High speed carry chain. 4,885,716, 12-5-89, Cl. 364-786.000.
- Little, Wendell L., to Dallas Semiconductor Corporation. RAM with capability for rapid clearing of data from memory by simultaneously selecting all row lines. 4,890,263, 12-26-89, Cl. 365-218.000.
- Littledeer, Tomislav F. Automobile windshield cleaning tool. 4,807,322, 2-28-89, Cl. 15-121.000.
- Littlefield, Bruce G.: *See—*
  - Barbe, Charles A.; and Littlefield, Bruce G., 4,805,172, Cl. 370-68.100.
- Littleford, Gordon E.; and Underwood, Roy F., to Kerry Ultrasonics Limited. Apparatus for generating ultrasonic signals. 4,888,56 12-19-89, Cl. 331-25.000.
- Littleford, Phillip O., deceased; and by Bates, H. Richard, personal representative. Dilation catheter and method. 4,834,093, 5-30-89, Cl. 128-303.100.
- Littlehales, William J., to American Bionetics, Inc. Apparatus for transferring biological specimens from a gel to a transfer membrane and method. 4,818,701, 4-4-89, Cl. 435-311.000.
- Littlehales, William J., to American Bionetics, Inc. Electroblotting technique for transferring specimens from a polyacrylamide electrophoresis or like gel onto a membrane. 4,840,714, 6-20-89, Cl. 204-180.100.

- Littlehales, William J.: *See—*
  - Marks, Martin E.; Littlehales, William J.; and Chang, Chu-An, 4,859,419, Cl. 422-56.000.
- Littlehorn, John. Multi-purpose tool. 4,815,346, 3-28-89, Cl. 84-439.000.
- Littlejohn, David; and Marshall, John, to U.S. Philips Corporation. Atomic spectroscopy. 4,824,241, 4-25-89, Cl. 356-36.000.
- Littlejohn, David: *See—*
  - Chang, Shih-Ger; Liu, David K.; Griffiths, Elizabeth A.; and Littlejohn, David, 4,837,361, Cl. 562-556.000.
- Littler, Brian G.: *See—*
  - Ashworth, Timothy N.; and Littler, Brian G., 4,813,156, Cl. 34-116.000.
- Littler, Vincent H.; and Corrie, John D., to Westinghouse Brake & Signal Co., Ltd. Fail-safe output switching device. 4,816,960, 3-28-89, Cl. 363-131.000.
- Littlestone, Nicholas: *See—*
  - Sabersky, Andrew P.; Littlestone, Nicholas; Abbott, Jack E.; Gibbons, William J.; D'Orazio, Robert R.; and Smith, Nathan R., 4,827,436, Cl. 364-559.000.
- Littleton, Donald N.: *See—*
  - Coller, John H.; and Littleton, Donald N., 4,875,271, Cl. 29-432.000.
- Littleton, Kermit R., to James Hardie Irrigation, Inc. Drip emitter. 4,850,531, 7-25-89, Cl. 239-1.000.
- Littleton, Kermit R.: *See—*
  - Langa, John M.; Boswell, Michael J.; and Littleton, Kermit R., 4,880,167, Cl. 239-542.000.
- Littleton, Virgil E.: *See—*
  - Hylton, William M.; Zabsky, John M.; and Littleton, Virgil E., 4,806,770, Cl. 250-455.100.
- Littlewood, Morgan. Communications switch. 4,879,712, 11-7-89, Cl. 370-60.000.
- Littlewood, Paul A.: *See—*
  - Graves, Alan F.; Littlewood, Paul A.; and Weiss, Johannes S., 4,876,682, Cl. 370-66.000.
- Littman, Michael G.: *See—*
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  - Nosenchuck, Daniel M.; and Littman, Michael G., 4,811,214, Cl. 364-200.000
- Litton Industrial Automation Systems, Inc.: *See—*
  - Klein, Richard J., 4,847,978, Cl. 29-568.000.
  - Kubsh, Leroy M.; and Schiie, Donald R., 4,854,086, Cl. 51-209.00R.
  - Tyler, D. Kevin, 4,796,737, Cl. 192-18.00R.
  - Walsh, John M.; and Ott, David M., 4,827,330, Cl. 358-280.000.
- Litton Systems Canada Limited: *See—*
  - Farrell, James F., 4,857,801, Cl. 313-500.000.
  - Prince, John C.; and Farrell, James F., 4,799,050, Cl. 340-765.000.
- Litton Systems, Inc.: *See—*
  - Adsett, Anthony P., 4,854,987, Cl. 156-89.000.
  - Benoist, Rodney W., 4,801,206, Cl. 356-350.000.
  - Benoist, Rodney W., 4,844,615, Cl. 356-350.000.
  - Bevan, Dennis P., 4,859,019, Cl. 350-96.160.
  - Butler, Alfred L.; and Chechile, Robert A., 4,824,253, Cl. 356-350.000.
  - Carome, Edward F., 4,799,752, Cl. 350-96.150.
  - Cornell, Jeffrey K., 4,827,097, Cl. 219-10.55B.
  - Elterman, Paul B., 4,804,269, Cl. 356-353.000.
  - Fidric, Bernard G., 4,867,567, Cl. 356-350.000.
  - Fling, John J., 4,810,052, Cl. 350-96.160.
  - Gourse, Stanley; Rozmaryn, Jacob; and Kershner, Dennis L., 4,810,947, Cl. 324-77.00R.
  - Grant, David C.; Grobsky, Kevin D.; and Purrazzella, Joseph J., 4,863,271, Cl. 356-350.000.
  - Graycar, Joseph M., 4,871,983, Cl. 331-96.000.
  - Hall, David B., 4,842,358, Cl. 350-96.150.
  - Hall, David B., 4,887,900, Cl. 356-350.000.
  - Hall, Lawrence H., 4,841,774, Cl. 73-517.00R.
  - Hammons, Sheridan W.; and Moore, Robert H., 4,861,160, Cl. 356-138.000.
  - Hendow, Sami T.; Martin, Graham J.; and Hammons, Sheridan W., 4,825,260, Cl. 356-350.000.
  - Hendow, Sami T.; and Martin, Graham J., 4,836,675, Cl. 356-350.000.
  - Hradek, Richard W., 4,870,960, Cl. 128-202.220.
  - Hutchings, Thomas J.; and Pavlath, George A., 4,818,109, Cl. 356-350.000.
  - Ivancevic, Mirko, 4,856,900, Cl. 356-350.000.
  - Jabr, Salim N.; Hutchings, Thomas J ; and Koumvakalis, Nicholas, 4,837,774, Cl. 372-94.000.
  - Kakihana, Sanehiko, 4,864,372, Cl. 357-22.000.
  - Klaser, John J., 4,870,746, Cl. 29-620.000.
  - Kohin, Margaret, 4,871,220, Cl. 350-1.700.
  - Lawrie, George S., 4,880,969, Cl. 250-221.000.
  - Layton, Michael R., 4,848,906, Cl. 356-345.000.
  - Martin, Graham J., 4,795,258, Cl. 356-350.000.
  - Martin, Graham J., 4,832,493, Cl. 356-350.000.
  - Miller, Michael B., 4,815,812, Cl. 350-96.210.
  - Moellers, Chris M., 4,879,998, Cl. 128-205.240.
  - Moore, Robert H.; and Durance, Denise, 4,850,708, Cl. 356-350.000.
  - Nilsson, Boo, 4,877,573, Cl. 156-610.000.
  - Rahn, John; and Hutchings, Thomas J., 4,884,283, Cl. 372-107.000.
  - Sabet-Peyman, Farhang, 4,801.941, Cl. 342-378.000.
  - Sabet-Peyman, Farhang; and Chang, I-Cheng, 4,827,229, Cl. 333-187.000.
  - Stewart, Robert E., 4,841,773, Cl. 73-510.000.
  - Sturza, Mark A., 4,849,961. Cl. 370-18.000.
  - Sturza, Mark A.; and Brown, Alison K., 4,862,178, Cl. 342-357.000.
  - Symons, Robert S., 4,800,322, Cl. 315-5.390.
  - Tazartes, Daniel A.; Mark, John G.; and Matthews, Anthony, 4,875,774, Cl. 356-350.000.
  - Vo, Howard Q., 4,849,710, Cl. 330-277.000.
  - Wheeland, Chris L.; and MacPhail, Guilford R., 4,831,335, Cl. 330-47.000.
  - Wing, Thomas; and Council, Clifton T., 4,809,585, Cl. 89-37.080.
- Litton U.K. Limited: *See—*
  - Pigott, Norman B.; and Roberts, George A., 4,795,075, Cl. 228-45.000.
- Litts, James C.: *See—*
  - Greene, Frank C.; Stiles, John I.; Neill, John D.; Anderson, Olin D.; and Litts, James C., 4,826,765, Cl. 435-68.000.
- Litvay, John D.: *See—*
  - Cochrane, Faith E.; Smith, Michael J.; and Litvay, John D., 4,874,465, Cl. 162-111.000.
- Litvin, Yury: *See—*
  - Logan, James D.; and Litvin, Yury, 4,821,029, Cl. 340-712.000.
- Litvinenko, Alexander: *See—*
  - Krouzkevitch, Benjamin; and Litvinenko, Alexander, 4,839,966, Cl. 30-475.000.
- Litwak, Alfred A.: *See—*
  - Glowczewskie, Frank P., Jr.; Litwak, Alfred A.; Grooms, Jamie M.; and Lyle, John W., 4,863,473, Cl. 623-16.000.
- Litwin Engineers & Constructors, Inc.: *See—*
  - Lekron, Charles E., 4,862,345, Cl. 364-188.000.
- Litwin, Walter J. One-piece dispensing closure. 4,834,271, 5-30-89, Cl. 222-511.000.
- Litwinchuk, Alexander; Dura, Lowell E.; and Dekker, Adrian, to General Motors Corporation. Hydraulic lash adjuster with multi-directional check valve. 4,807,575, 2-28-89, Cl. 123-90.550.
- Litz, John E., to Chevron Research Company. Process for recovering molybdenum from solution in a form that is substantially free from vanadium. 4,814,149, 3-21-89, Cl. 423-56.000.
- Litz, Lawrence M.: *See—*
  - Kiyonaga, Kazuo; Litz, Lawrence M.; and Bergman, Thomas J., 4,867,918, Cl. 261-76.000.
- Litzenberger, Ernest N., to Bally Engineered Structures, Inc. Reinforced composite sandwich panel assembly. 4,844,975, 7-4-89, Cl. 428-306.600.
- Litzie, Ken; and Roberts, Craig P., to C. R. Bard. Vascular cannulae for transfemoral cardiopulmonary bypass and method of use. 4,804,365, 2-14-89, Cl. 604-4.000.
- Litzinger, Elmer F.: *See—*
  - Denier, Robert F.; Litzinger, Elmer F.; and Alford, Ezra D., 4,825,884, Cl. 131-309.000.
- Litzinger, William A.: *See—*
  - Hendley, David G.; and Litzinger, William A., 4,872,812, Cl. 416-190.000.
- Liu, Antony Ching-Fong. Seesawly-controlled foldable walker. 4,830,035, 5-16-89, Cl. 135-67.000.
- Liu, Bao-Shen, to Liu Yang, Yun Yueh. Safety nail driving device. 4,805,825, 2-21-89, Cl. 227-121.000.
- Liu, Benjamin Y. H.; and Ahn, Kang H., to University of Minnesota, Regents of the. System for surface and fluid cleaning. 4,817,652, 4-4-89, Cl. 134-102.000.
- Liu, Benjamin Y. H.; and Ramsey, James W., to University of Minnesota, Regents of the. Non-contaminating flow visualization system. 4,875,340, 10-24-89, Cl. 62-50.200.
- Liu, Benjamin Y. H.: *See—*
  - Marple, Virgil A.; and Liu, Benjamin Y. H., 4,827,779, Cl. 73-863.220.
- Liu, Chain T.: *See—*
  - Cathcart, John V.; and Liu, Chain T., 4,839,140, Cl. 420-445.000.
- Liu, Chih-Yuan: *See—*
  - Ikehira, Kimimasa; Wu, Ming-Chi; and Liu, Chih-Yuan, 4,878,117, Cl. 358-183.000.
- Liu, Christopher S.; Grina, Larry D.; and Kapuscinski, Maria M., to Texaco Inc. Hydrocarbon containing anti-oxidant system. 4,798,678, 1-17-89, Cl. 252-50.000.
- Liu, Christopher S.; Benfaremo, Nicholas; Kapuscinski, Maria M.; and Grina, Larry D., to Texaco Inc. Lubricating oil containing viscosity index improver. 4,812,261, 3-14-89, Cl. 252-51.50A.
- Liu, Christopher S.; Kapuscinski, Maria M.; Grina, Larry D.; and Jones, Ronald E., to Texaco Inc. Multifunctional viscosity index improver. 4,842,756, 6-27-89, Cl. 252-48.200.
- Liu, Christopher S.; Clarke, Donald J.; and Grina, Larry D., to Texaco Inc. Lubricating oil containing a Mannich base. 4,877,834, 10-31-89, Cl. 525-66.000.
- Liu, Christopher S.: *See—*
  - Hart, William P.; Kapuscinski, Maria M.; and Liu, Christopher S., 4,795,577, Cl. 252-51.50R.
  - Hart, William P.; and Liu, Christopher S., 4,826,613, Cl. 252-52.00R.
  - Kapuscinski, Maria M.; Liu, Christopher S.; Jones, Ronald E.; and Grina, Larry D., 4,836.943, Cl. 252-50.000.
  - Levin, Mark D.; Gallagher, Constance A.; Liu, Christopher S.; and Buscher, William A., Jr., 4,845,157, Cl. 525-308.000.
- Liu, Chung-Chi, to Tatung Company of America, Inc. Ultrasonic cleaning apparatus for household use. 4,870,982, 10-3-89, Cl. 134-135.000.

- Liu, Chung-Heng: *See—*
  - Meyers, Peter V.; Liu, Chung-Heng; and Frey, Timothy J., 4,873,198, Cl. 437-5.000.
- Liu, Chung-Tsing: *See—*
  - Greenwald, Richard B.; Liu, Chung-Tsing; and McDonell, James A., 4,874,540, Cl. 252-174.240.
- Liu, Daniel: *See—*
  - Levy, Julia G.; and Liu, Daniel, 4,843,147, Cl. 530-391.000.
- Liu, David: *See—*
  - Chan, Chi-Ming; Barma, Pradeep; Chazan, David; and Liu, David, 4,801,785, Cl. 219-549.000.
- Liu, David K.; and Chang, Shih-Ger, to United States of America, Energy. Method of removing nitrogen monoxide from a nitrogen monoxide-containing gas using a water-soluble iron ion-dithiocarbamate, xanthate or thioxanthate. 4,810,474, 3-7-89, Cl. 423-235.000.
- Liu, David K.: *See—*
  - Chang, Shih-Ger; Liu, David K.; Griffiths, Elizabeth A.; and Littlejohn, David, 4,837,361, Cl. 562-556.000.
- Liu, Dean-Yuan: *See—*
  - Lake, Ralph J., Jr.; and Liu, Dean-Yuan, 4,843,707, Cl. 29-432.000.
- Liu, Frank, to Unisource Corp. Fax/telephone switching device. 4,879,741, 11-7-89, Cl. 379-100.000.
- Liu, Frederick F.; and Chow, Steven W. H., to Quantum Dynamics Company, Inc. Cryogenic density and mass-flow measurement system. 4,835,456, 5-30-89, Cl. 324-61 00R.
- Liu, Geng-tao: *See—*
  - Chen, Yen-rong; Yang, Ming-he; Huang, Liang; Liu, Geng-tao; and Benz, Ulrich, 4,879,390, Cl. 548-453.000.
  - Yang, Ming-he; Chen, Yan-rong; Liu, Geng-tao; and Huang, Liang, 4,826,873, Cl. 514-467.000.
- Liu, Hsun-Fa. Vertical-axle wind turbine. 4,818,180, 4-4-89, Cl. 416-117.000.
- Liu, Hui C.: *See—*
  - Coon, Darryl D.; Karunasiri, Runkiri P.; and Liu, Hui C., 4,873,555, Cl. 357-4.000.
- Liu, Jack W., to Ho Ho Art & Craft International Co., Inc. Pin collector bag. 4,848,562, 7-18-89, Cl. 206-44.110.
- Liu, James C. Pneumatic door-closer having a closable passage and a regulatable passage. 4,817,238, 4-4-89, Cl. 16-66.000.
- Liu, James J.: *See—*
  - Vacon, Gary; and Liu, James J., 4,876,742, Cl. 455-66.000.
- Liu, Jeffrey; Sun, Kai C. K.; and Mao, Shand-Ling, to Microscience Corporation. Latch for high performance linear actuator for memory storage device. 4,864,444, 9-5-89, Cl. 360-105.000.
- Liu, Jen-Jui. Method and means for basement construction. 4,875,807, 10-24-89, Cl. 405-229.000.
- Liu, Jia-ming: *See—*
  - Chen, Ying C.; Liu, Jia-ming; and Newkirk, Michael A., 4,878,723, Cl. 350-96.140.
- Liu, Jiann; Davis, Cecil J.; and Loewenstein, Lee M., to Texas Instruments Incorporated. Processing apparatus. 4,818,326, 4-4-89, Cl. 156-345.000.
- Liu, John: *See—*
  - Brown, Melvin H.; Staley, James T.; Liu, John; and Lee, Sootae, 4,863,528, Cl. 148-12.70A.
- Liu, Jonq-Min; Chen, Tai-Jun; Tsai, Lii-Chyuan; and Pai, Li-Wen, to Industrial Technology Research Institute. Copper phthalocyanine photoreceptor and method for producing the same. 4,882,250, 11-21-89, Cl. 430-58.000.
- Liu, Jung-Lung: *See—*
  - Shyu, Jia-Ming; Huang, Kuoan; and Liu, Jung-Lung, 4,802,156, Cl. 369-132.000.
- Liu, Kou-Chang; and Taylor, Paul D., to GAF Corporation. Process for the preparation of 2-pyrrolidone. 4,824,967, 4-25-89, Cl. 548-554.000.
- Liu, Kou-Chang; and Taylor, Paul D., to GAF Corporation. Process for the preparation of N-vinyl lactams. 4,873,336, 10-10-89, Cl. 546-243.000.
- Liu, Kou-Chang: *See—*
  - Brown, Michael J.; and Liu, Kou-Chang, 4,797,505, Cl. 560-021.000.
- Liu, Leland L.; and Touhsaent, Robert E., to Mobil Oil Corporation. Coated, oriented polymer film laminate. 4,865,908, 9- 2-89, Cl. 428-248.000.
- Liu, Lun K.: *See—*
  - Oates, James H.; Liu, Lun K.; Sundaram, Swaminathan H.; and Tafarrodi, Hassanali, 4,805,457, Cl. 73-572.000.
- Liu, Ming-Biann, to Dow Chemical Company, The. Process for preparing monobrominated cyclobutarenes. 4,822,930, 4-18-89, Cl. 570-206.000.
- Liu, Ming-Biann, to Dow Chemical Company, The. Hydrolysis of halo- and alkyl-substituted phenols. 4,849,548, 7-18-89, Cl. 568-764.000.
- Liu, Nan-I, to General Electric Company. Polyetherimide ester elastomeric blends. 4,814,380, 3-21-89, Cl. 525-66.000.
- Liu, Nan-I, to General Electric Company. Blends of polycarbonate resins and polyetherimide ester resins. 4,814,396, 3-21-89, Cl. 525-433.000.
- Liu, Nan-I: *See—*
  - McCready, Russell J.; Liu, Nan-I; and Tyrell, John A., 4,798,858, Cl. 524-100.000.
- Liu, Nen-Chin: *See—*
  - Stadelmaier, Hans H.; and Liu, Nen-Chin, 4,849,035, Cl. 148-101.000.
- Liu, Olive Y., to Schlumberger Technology Corporation. Acoustic well logging method and apparatus. 4,813,028, 3-14-89, Cl. 367-31.000.
- Liu, Olive Y., to Schlumberger Technology Corporation. Acoustic well logging method and apparatus. 4,881,208, 11-14-89, Cl. 367-35.000.
- Liu, P. Dong-Guang. Glare control. 4,814,960, 3-21-89, Cl. 362-307.000.
- Liu, Paul K. T.; Bergstrom, Robin K.; and Gatty, David G., to Aluminum Company of America. Activated carbon/alumina composite. 4,795,735, 1-3-89, Cl. 502-415.000.
- Liu, Paul K. T., to Aluminum Company of America. Process for removal of carbonyl sulfide from organic liquid by adsorption using alumina adsorbent capable of regeneration. 4,835,338, 5-30-89, Cl. 585-823.000.
- Liu, Paul S.: *See—*
  - Anzeveno, Peter B.; Daniel, John K.; Creemer, Laura J.; and Liu, Paul S., 4,880,917, Cl. 536-17.400.
- Liu, Ping-Hsiung. Hinge units for joining a case and its lid. 4,884,317, 12-5-89, Cl. 16-289.000.
- Liu, Robert C.: *See—*
  - Neiss, Edward S.; Stevenson, David; Ho, Laurence L.; Liu, Robert C.; and Suh, John T., 4,804,742, Cl. 530-307.000.
- Liu, Shu-Huei: *See—*
  - Mallary, Michael; Bisagni, Christine; and Liu, Shu-Huei, 4,828,966, Cl. 430-314.000.
- Liu, Ssu-Liu. Detachable electric fan. 4,836,751, 6-6-89, Cl. 416-247.00R.
- Liu, Sue R.: *See—*
  - Brooks, Lamar E.; and Liu, Sue R., 4,833,117, Cl. 503-201.000.
- Liu, Te-ning E.: *See—*
  - Vedros, Neylan A.; and Liu, Te-ning E., 4,877,613, Cl. 424-92.000.
- Liu, Tsann-Shyong: *See—*
  - Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Liu, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.
- Liu, Tung Y.: *See—*
  - Bhat, Mahabaleshwar K. P.; Liu, Tung Y.; and Plescia, Carl T., 4,843,294, Cl. 318-696.000.
- Liu, Tzu-Chen. Christmas-tree securable extension cord. 4,830,626, 5-16-89, Cl. 439-425.000.
- Liu, Wei-Ti; Guzy, D. James, Jr.; and Salameh, Michael J., to PLX Technology. Programmable logic and driver circuits. 4,833,349, 5-23-89, Cl. 307-468.000.
- Liu, Wen H. Centrifugal cooling device. 4,853,162, 8-1-89, C 261-89.000.
- Liu, Wenping: *See—*
  - Bernstein, Gary; Ferry, David K.; and Liu, Wenping, 4,877,716, C 430-309.000.
- Liu, Wentai; Krakow, William T.; and Hughes, Thomas A., Jr., to Microelectronics Center of North Carolina; and N.C. State University. Method and apparatus for processing multi-dimensional data to obtain a Fourier transform. 4,821,224, 4-11-89, Cl. 364-726.000.
- Liu, Yaguang. Therapeutic composition from plant extracts. 4,795,742, 1-3-89, Cl. 514-26.000.
- Liu, Yaguang. Safe antileukemia drug, SAL. 4,808,629, 2-28-89, C 514-557.000.
- Liu, Yaguang. Pharmaceutical compositions for reducing hyperlipidemia and platelet-aggregation. 4,842,859, 6-27-89, Cl. 424-195.100.
- Liu, Yaguang. Polysaccharide containing pharmaceutical composition for increasing the immune function. 4,843,067, 6-27-89, C 514-54.000.
- Liu, Yaguang. Pharmaceutical composition for inhibiting viruses and increasing immune function (PII). 4,886,666, 12-12-89, C 424-195.100.
- Liu Yang, Yun Yueh: *See—*
  - Liu, Bao-Shen, 4,805,825, Cl. 227-121.000.
- Liu, Yee M. Ashtrays. 4,856,537, 8-15-89, Cl. 131-240.100.
- Liu, Yiu C. Load-responsive microwave oven turntable. 4,885,44 12-5-89, Cl. 219-10.55F.
- Liu, Yiu-Ching. Directly driven microwave oven turntable 4,808,781, 2-28-89, Cl. 219-10.55F.
- Liu, Yu-Jih: *See—*
  - Schnars, Michael J.; Dolph, Darrel A.; and Liu, Yu-Jih, 4,797 Cl. 381-43.000.
- Liu, Yuan K.; Kuhmichel, Philip A.; Cordes, Fred G.; and Wong Wayman, to Del Monte Corporation. Method of preserving produ for further processing. 4,879,127, 11-7-89, Cl. 426-325.000.
- Liu, Yung S.; and Grubb, Willard T., to General Electric Compa Apparatus and method for photoetching of polyimides, polycarbonates and polyetherimides. 4,857,382, 8-15-89, Cl. 428-156.000.
- Liu, Yung S.; and Grubb, Willard T., to General Electric Compa Method for photopatterning metallization via UV-laser ablation the activator. 4,882,200, 11-21-89, Cl. 427-53.100.
- Liu, Yung S.: *See—*
  - Cole, Herbert S., Jr.; Levinson, Lionel M.; Liu, Yung S.; and Sm Theresa A., 4,865,873, Cl. 427-53.100.
- Liudzius, Valerie A.; Weisner, Ralph M.; Kamiharako, Takashi; a Uramoto, Iwami, to View Engineering, Inc.; and Kaijo Denki C Ltd., a part interest. Semiconductor device inspection syst 4,872,052, 10-3-89, Cl. 358-106.000.
- Liuzzi, Michel: *See—*
  - Talpaert-Borle, Myriam; and Liuzzi, Michel, 4,863,847, C 435-6.000.
- Livak, Kenneth J.: *See—*
  - Kornher, John S.; and Livak, Kenneth J., 4,879,214, C 08-10/89.000.

- Livdahl, Philip V.: *See—*
  - Cole, Francis T.; Livdahl, Philip V.; Mills, Frederick E., III; and Teng, Lee C., 4,870,287, Cl. 250-492.300.
- Live International Co., Ltd.: *See—*
  - Tominaga, Yasunori, 4,840,812, Cl. 426-488.000.
- Livecchi, Ronald J.; and Peters, Donald J., to Moog Inc. Fail-fixed servovalve with controlled hard-over leakage. 4,827,981, 5-9-89, Cl. 137-625.690.
- Livelli, Thomas J.: *See—*
  - Kopchick, John J.; Leung, Frederick C.; Livelli, Thomas J.; and Malavarca, Richard H., 4,828,987, Cl. 435-68.000.
- Lively, Olin A. Swimming pool control system. 4,817,217, 4-4-89, Cl. 4-508.000.
- Lively, Wallace: *See—*
  - Forth, Leslie; and Lively, Wallace, 4,833,692, Cl. 375-17.000.
- Livera, Phillip A., to North American Philips Corporation. Eyelet for incandescent lamp bases and method of making. 4,866,331, 9-12-89, Cl. 313-318.000.
- Liverance, Martin K.; McMahan, David R.; and Haydu, Bartley A., to General Motors Corporation. Headlamp assembly. 4,882,660, 11-21-89, Cl. 362-226.000.
- Livesay, Richard E.; Purcell, Robert J.; and Maust, Blair A., to Caterpillar Inc. End face seal assembly. 4,819,999, 4-11-89, Cl. 305-11.000.
- Livesey, Declan B.: *See—*
  - McKay, Alexander S.; Livesey, Declan B.; and Harris, Philip, 4,884,635, Cl. 166-271.000.
- Livesey, John K.; Maier, Alfred E.; and Carrodus, Melvin A., to Westinghouse Electric Corp. Circuit breaker trip bar interlock. 4,829,278, 5-9-89, Cl. 337-50.000.
- Livesey, Stephen A.; and Linner, John G., to Board of Regents The University of Texas System. Method for cryopreparing biological tissue. 4,865,871, 9-12-89, Cl. 427-4.000.
- Livesey, Stephen A.: *See—*
  - Linner, John G.; and Livesey, Stephen A., 4,807,442, Cl. 62-55.500.
- Livi, Vittorio, to FIAM S.r.L. Decorative mirror and method of making it. 4,824,729, 4-25-89, Cl. 428-428.000.
- Livick, Lester R. Safety auto seat mounted adjustable baby bassinet sunshader. 4,807,927, 2-28-89, Cl. 297-184.000.
- Living Water Corporation: *See—*
  - Connery, Colin A., 4,801,436, Cl. 422-245.000.
  - Connery, Colin A., 4,828,627, Cl. 136-203.000
  - Connery, Colin A., 4,883,520, Cl. 62-542.000.
- Livingston, Andrew D.: *See—*
  - Shinn, Donald E.; and Livingston, Andrew D., 4,802,288, Cl. 34-136.000.
- Livingston, David W.: *See—*
  - Guzy, Ray L.; and Livingston, David W., 4,820,764, Cl. 524-512.000.
- Livingston, Don: *See—*
  - Welch, Harland A.; Perales, Lorenzo; and Livingston, Don, 4,803,954, Cl. 119-61.000.
- Livingston, Douglas J., to Black & Webster, Inc. Microprocessor welder controller. 4,876,431, 10-24-89, Cl. 219-110.000.
- Livingston, Dwight: *See—*
  - Johnson, Raymond; Livingston,. Dwight; Tite, Robert C.; and Wood-Helie, Sheila J., 4,806,316, Cl. 422-100.000.
- Livingston, James W.; Cassady, Henry W., Jr.; Hosking, Stephen G.; Warner, Thomas J.; and Moreland, Gary D., to Diversey Corporation. Clean in place system. 4,848,381, 7-18-89, Cl. 134-57.00R.
- Livingston, James W.: *See—*
  - Cassady, Henry W., Jr.; Hanset, Richard E.; Livingston, James W.; and Moreland, Gary D., 4,865,232, Cl. 222-464.000.
- Livingston, John H.: *See—*
  - DeCote, Robert, Jr.; and Livingston, John H., 4,815,017, Cl. 364-602.000.
- Livingston, Johnston R.; and St. Louis, Paul T., to Construction Technology, Inc. Alignment fitting for attaching implements to a backhoe. 4,813,163, 3-21-89, Cl. 37-103.000.
- Livingston, Julie M.: *See—*
  - Tupper, Robert B.; Mangus, James D.; Sharbaugh, John E.; Brown, Gedney B.; Livingston, Julie M.; and Dhalla, Asfandiar K., 4,859,402, Cl. 376-285.000.
- Livingston, Larry J. Process for treating tobacco. 4,836,222, 6-6-89, Cl. 131-310.000.
- Livingston, Mark L.; and Babcock, Michael. Portable cooler for beverage kegs. 4,802,344, 2-7-89, Cl. 62-372.000.
- Livingston, Michael F. Impact head rest device for vehicle window. 4,838,575, 6-13-89, Cl. 280-748.000.
- Livingston, Stan W.: *See—*
  - Lee, Kuan M.; Lange, William L.; and Livingston, Stan W., 4,818,958, Cl. 333-114.000.
- Livingston, Troy W.: *See—*
  - Linke, Thomas A.; Dandan, Issa R.; Livingston, Troy W.; and Wilkerson, Alan W., 4,873,792, Cl. 51-165.800.
- Livingston, Warren D.: *See—*
  - Saunders, William T.; and Livingston, Warren D., 4,812,365, Cl. 428-469.000.
- Livingston, William S. Therapeutic treatment for arthritic condition. 4,853,373, 8-1-89, Cl. 514-46.000.
- Livits, Eric A. One-handed keyboard. 4,846,598, 7-11-89, Cl. 400-472.000.
- Livny, Izhak M.: *See—*
  - Hekker, Roeland M. T.; and Livny, Izhak M., 4,878,736, Cl. 350-162.130.
- Livoni, Linden J.: *See—*
  - Kahn, Frederic J.; Kendrick, Paul N.; Leff, Jerry; Livoni, Linden J.; Loucks, Bryan E.; Stepner, David E.; and Witte, Kenneth G., 4,818,098, Cl. 353-122.000.
- Livsey, Ian: *See—*
  - Callaghan, Ian C.; and Livsey, Ian, 4,874,535, Cl. 252-8.552.
- Livsey, Robert A.: *See—*
  - Wetzel, Donald C.; and Livsey, Robert A., 4,862,094, Cl. 324-500.000.
- Livshits, Leonid: *See—*
  - Osterstrom, Gordon E.; Livshits, Leonid; and Renz, Mark B., 4,806,075, Cl. 415-170.00R.
- Livshits, Semen V.: *See—*
  - Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikolai G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshits, Semen V., 4,854,820, Cl. 415-171.100.
- Livshitz, Stanley: *See—*
  - Saubolle, Malcolm; De Blasi, Italo; and Livshitz, Stanley, 4,820,953, Cl. 310-338.000.
- Livshultz, Michael; and Tong, Hua Sou, to Zenith Electronics Corporation. Material, and assemblies for tensioned foil shadow masks. 4,854,906, 8-8-89, Cl. 445-37.000.
- Liwski, Henrietta M. Microwave oven cookware pedestal. 4,797,521, 1-10-89, Cl. 219-10.55E.
- Lizardi, Paul: *See—*
  - Nogueira, Nadia; and Lizardi, Paul, 4,801,530, Cl. 435-6.000.
- Lizarraga, Daniel R. Apparatus and method for forming necktie knot. 4,815,772, 3-28-89, Cl. 289-1.500.
- Lizet, Jacques: *See—*
  - Gidon, Pierre; Lizet, Jacques; and Valette, Serge, 4,865,453, Cl. 356-358.000.
- Lizotte, Edgar G., to Ilco Unican Inc. Permutation type lock control assembly. 4,848,116, 7-18-89, Cl. 70-306.000.
- Lizzi, Frederic L.; Yaremko, Mykola M.; Silverman, Ronald H.; and Coleman, D. Jackson, to RiverSide Research Institute. Method for enhancement of ultrasonic image data. 4,858,124, 8-15-89, Cl. 364-413.010.
- LJN Toys, Ltd.: *See—*
  - Moorhouse, Harry R.; Jensen, Robert M.; and Chung, Tat K., 4,834,059, Cl. 124-67.000.
- Ljokkoi, Juhani: *See—*
  - Niittyla, Heikki; Trygg, Hannu; Ljokkoi, Juhani; Poikolainen, Esko; and Vehmaa, Raumo, 4,869,463, Cl. 251-149.600.
- Ljung, Bo H. G., to Kearfott Guidance & Navigation Corporation. Method of constructing a moment insensitive pathlength control mirror assembly for a ring laser gyroscope. 4,861,161, 8-29-89, Cl. 356-350.000.
- Ljung, Bo H. G.; and Stiles, John C., to Kearfott Guidance and Navigation Corporation. Beam combiner assembly for ring laser gyroscope. 4,865,452, 9-12-89, Cl. 356-354.000.
- Ljung, Bo H. G., to Kearfott Guidance & Navigation Corporation. Ring laser gyroscope beam combiner for separating and combining circulating laser beams for power and fringe pattern detections. 4,886,364, 12-12-89, Cl. 356-350.000.
- Ljung, Per B. Solid state vibrating gyro. 4,884.446, 12-5-89, Cl. 73-505.000.
- Ljung, Stefan: *See—*
  - Bergman, Sten; and Ljung, Stefan, 4,855,861, Cl 361-65.000.
  - Bergman, Sten; and Ljung, Stefan, 4,864,453, Cl. 361-66.000.
  - Bergman, Sten; and Ljung, Stefan, 4,878,142, Cl. 361-80.000.
- Ljungkvist, Stig-Ake. Arrangement for improved ventilation and method of using the arrangement. 4,838,000, 6-13-89, Cl. 52-376.000.
- Ljungkvist, Stig-Ake; and Johansson, Lennart, to Permaban Southeast, Inc. Arrangement for laying concrete floors. 4,884,384, 12-5-89, Cl. 52-741.000.
- LK Mfg.: *See—*
  - Levie, Mark W., 4,839,965, Cl. 30-324.000.
- LKB Produkter AB: *See—*
  - Mikola, Heikki; Mukkala, Veli-Matti; and Hemmila, Ilkka, 4,808,541, Cl. 436-501.000.
- LKC Technologies, Inc.: *See—*
  - Massof, Robert W., 4,848,898, Cl. 351-242.000.
- Llabres, Raymond: *See—*
  - Jullien, Claude; Lerude, Gerard; and Llabres, Raymond, 4,820,206, Cl. 439-782.000.
- Llames, Emiliano C. Quick point reversible sling swivel assembly for a rifle or the like for rifle and shotguns. 4,823,491, 4-25-89, Cl. 42-85.000.
- Lleti, George: *See—*
  - Turina Mallard, Nathalie; and Lleti, George, 4,811,079, Cl. 357-56.000.
- Lleti, Georges: *See—*
  - Stevance, Jean; Klein, Edmond; and Lleti, Georges, 4,847,571, Cl. 331-96.000.
- Llewellyn, Anthony S. Tailgate ladder. 4,848,821, 7-18-89, Cl. 296-62.000.
- Llewellyn, David T.; and Lichtenberger, William J., to Robertshaw Controls Company. Switching system for plural load circuit. 4,883,983, 11-28-89, Cl. 307-112.000.
- Llewellyn, David T.: *See—*
  - Buckshaw, Thomas M.; and Llewellyn, David T., 4,800,633, Cl. 29-157.00R.

- Llewellyn, Ian P.: *See—*
  - Heinecke, Rudolf A. H.; Ojha, Suresh M.; and Llewellyn, Ian P., 4,824,690, Cl. 427-38.000.
- Llorens, Rafael G.; and Sole, Juan V., to Esselte Meto. Continuous bag strip. 4,859,082, 8-22-89, Cl. 383-8.000.
- Llort, Oscar. Lock with electrically controlled setting by means of an electromagnet. 4,832,385, 5-23-89, Cl. 292-144.000.
- Lloveras, Pedro P.: *See—*
  - Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irrure, Jose P., 4,835,156, Cl. 514-255.000.
  - Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irurre, Jose P., 4,835,179, Cl. 514-510.000.
- Lloyd A. Marks: *See—*
  - Marks, Lloyd A., 4,819,653, Cl. 128-673.000.
- Lloyd, Alexander H., to National Research Development Corporation. Apparatus and methods for analyzing transitions in finite state machines. 4,829,575, 5-9-89, Cl. 381-41.000.
- Lloyd, Barry R.: *See—*
  - Krisher, James A.; and Lloyd, Barry R., 4,862,363, Cl. 364-424.100.
- Lloyd, Bobbie J.: *See—*
  - Bondoc, Alfredo A.; Carroll, William R.; and Lloyd, Bobbie J., 4,835,929, Cl. 52-518.000.
- Lloyd, Christopher A. Impression printing process for animals and children. 4,875,953, 10-24-89, Cl. 156-62.000.
- Lloyd, Clarke B. System and method for implementing and administering a mortgage plan. 4,876,648, 10-24-89, Cl. 364-408.000.
- Lloyd, David A.: *See—*
  - Brewen, Ronnie M.; and Lloyd, David A., 4,872,706, Cl. 283-81.000.
- Lloyd, David J.: *See—*
  - Aldred, Edward J.; and Lloyd, David J., 4,878,338, Cl. 56-7.000.
- Lloyd, Harold C. Wheeled storage and display cart. 4 820,003, 4-11-89, Cl. 312-234.000.
- Lloyd, Hershall E.; and Lloyd, Monte E., to Safe-T-Quake Corporation. Pressure control for earthquake sensitive shut-off valve. 4,889,150, 12-26-89, Cl. 137-39.000.
- Lloyd, Ian, to Nautical Services Pty. Ltd. Rotary pump with orbiting rotor of harder material than stator. 4,836,759, 6-6-89, Cl. 418-56.000.
- Lloyd, Ian, to Nautical Services Pty. Ltd. Electronic control and dosing system for desalinators. 4,877,489, 10-31-89, Cl. 202-181.000.
- Lloyd, Jerry D., to Emerson Electric Co. Method of making permanent magnet assembly. 4,845,837, 7-11-89, Cl. 29-598.000.
- Lloyd, Kenneth O.: *See—*
  - Feickert, Hans-Joachim; Rettig, Wolfgang; Chorney, Karen; Cordon-Cardo, Carlos; Melamed, Myron R.; Lloyd, Kenneth O.; Oettgen, Herbert F.; Old, Lloyd J.; and Anger, Bernd, 4,865,998, Cl. 436-548.000.
  - Old, Lloyd J.; Oettgen, Herbert F.; Ikeda, Hisami; Li, Lucy T. C.; Lloyd, Kenneth O.; and Dippold, Wolfgang G., 4,808,704, Cl. 530-387.000.
  - Thomson, Timothy M.; Mattes, M. Jules; Old, Lloyd J.; Lloyd, Kenneth O.; and Roux, Linda, 4,798,790, Cl. 435-7.000.
- Lloyd, Lawrence L. Mower cutting unit. 4,841,717, 6-27-89, Cl. 56-256.000.
- Lloyd, Monte E.: *See—*
  - Lloyd, Hershall E.; and Lloyd, Monte E., 4,889,150, Cl. 137-39.000.
- Lloyd, Peter G.; and Dadley, David A. Pattern detection in two dimensional signals. 4,797,941, 1-10-89, Cl. 382-27.000.
- Lloyd, Randall B., to Tektronix, Inc. Multilevel logic circuit with floating node voltage clamp. 4,823,028, 4-18-89, Cl. 309-355.000.
- Lloyd, Robert; and Turner, Maxwell J. Process for removing mineral impurities from coals and oil shales. 4,804,390, 2-14-89, Cl. 44-621.000.
- Lloyd, Ronald, to Smith & Nephew Associated Companies Limited. Protective devices and methods. 4,846,829, 7-11-89, Cl. 604-389.000.
- Lloyd, Sheldon G., to Fisher Controls International, Inc. Differential pressure sensing apparatus. 4,878,385, 11-7-89, Cl. 73-704.000.
- Lloyd, Stacey G., to Intel Corporation. Distributed precharge wire-or bus. 4,808,855, 2-28-89, Cl. 307-480.000.
- Lloyd, Stacey G., to Intel Corporation. Anti-clock skew distribution apparatus. 4,860,322, 8-22-89, Cl. 375-107.000.
- Lloyd, Stephen R.: *See—*
  - Schneider, Michael B.; and Lloyd, Stephen R., 4,863,259, Cl. 351-210.000.
- Lloyd, Weldon S.: *See—*
  - Nimberg, Richard B.; Colclasure, Craig; and Lloyd, Weldon S., 4,816,437, Cl. 514-8.000.
- Lloyd, William D., to Kimberly-Clark Corporation. Incorporating detergent into a meltblown laundry detergent sheet via the meltblowing quench spray. 4,814,099, 3-21-89, Cl. 252-91.000.
- Lloyd, William D., to Kimberly-Clark Corporation. Method for incorporating powdered detergent ingredients into a meltblown laundry detergent sheet. 4,865,755, 9-12-89, Cl. 252-91.000.
- Lloyd, William D.; and Nuttal, David A., to Kimberly-Clark Corporation. Tissue laminate. 4,885,202, 12-5-89, Cl. 428-171.000.
- Lloyd, William D.: *See—*
  - Win, Maung H.; Lloyd, William D.; Abba, William A.; and Daponte, Diego H., 4,853,142, Cl. 252-90.000.
  - Win, Maung H.; and Lloyd, William D., 4,855,068, Cl. 252-90.000.
- Lloyd, William J., to Hewlett-Packard Company. Thermal-ink-jet print system with drop detector for drive pulse optimization. 4,872,028, 10-3-89, Cl. 346-1.100.
- Lloyd's Food Products, Inc.: *See—*
  - Oaks, Douglas W., 4,867,995, Cl. 426-234.000.
- Llumar Star Kites, Inc.: *See—*
  - Alonso, Frank, 4,871,133, Cl. 244-153.00R.
- LMB Hand Rehab Products, Inc.: *See—*
  - Barber, Lois M., 4,862,877, Cl. 128-77.000.
  - Meals, Roy A., 4,807,609, Cl. 128-87.00R.
- LMT Radio Professionnelle: *See—*
  - Potage, Jean; and Albrieux, Vincent, 4,864,307, Cl. 342-192.000.
- LN Industries S.A.: *See—*
  - Zellweger, Conrad; and Gendey, Yves, 4,859,174, Cl. 431-255.000.
- Lo, Anthony. Photographic imaging system for use in producing stereographs. 4,844,583, 7-4-89, Cl. 350-132.000.
- Lo, C. Paul: *See—*
  - Reimers, Robert S.; Akers, Thomas G.; and Lo, C. Paul, 4,853,208, Cl. 423-659.000.
- Lo, Chia-Chen, to Union Carbide Corporation. Preparation of aqueous polymer emulsions in the presence of hydrophobically modified hydroxyethylcellulose. 4,845,175, 7-4-89, Cl. 526-200.000.
- Lo, Ching-Ping, to Hughes Aircraft Company. Thermal expansion mismatch forgivable printed wiring board for ceramic leadless chip carrier. 4,847,136, 7-11-89, Cl. 428-195.000.
- Lo, Eric K.: *See—*
  - Scheffer, Bruce A.; and Lo, Eric K., 4,799,414, Cl. 83-103.000.
- Lo, Frederick Y.; Nowlin, Thomas E.; and Wu, Margaret M., to Mobil Oil Corporation. Preparation of alpha-olefin polymers of relatively narrow molecular weight distribution. 4,876,321, 10-24-89, Cl. 526-129.000.
- Lo, Hou-On, to Conair Corporation. Cushioned handle structure for personal care appliances. 4,837,892, 6-13-89, Cl. 16-116.00R.
- Lo, Hou-On: *See—*
  - Rizzuto, Leandro P.; Leung, Kit-Lun; and Lo, Hou-On, 4,870,250, Cl. 219-225.000.
- Lo, Hsin-Hsin. Compound acceleration-brake pedal assembly. 4,802,381, 2-7-89, Cl. 74-513.000.
- Lo-Jack Corporation: *See—*
  - Apsell, Sheldon P.; and Stapelfeld, Norval D., 4,818,998, Cl. 342-44.000.
- Lo, Jeelin: *See—*
  - Curtiss, Alan C.; and Lo, Jeelin, 4,861,596, Cl. 424-438.000.
- Lo, Justin. Vertically slidably mounted brake for a resiliently supported caster wheel. 4,831,689, 5-23-89, Cl. 16-35.00R.
- Lo, Lawrence Y.; and Thomas, Dwight J., to Parker-Hannifin Corporation. Microporous asymmetric polyfluorocarbon membranes. 4,863,604, 9-5-89, Cl. 210-490.000.
- Lo, Lawrence Y.; and Boulier, Paul R., to Polysar Financial Services S.A. Styrenic polycarbonate alloys. 4,866,125, 9-12-89, Cl. 525-67.000.
- Lo, Mai J. Rectangular container assembly. 4,807,778, 2-28-89, Cl. 220-282.000.
- Lo, Pei-hwa; Sokolich, James M.; and Matesich, Ardis M., to Allied-Signal Inc. Digital AM/FM/ϕM demodulator. 4,853,944, 8-1-89, Cl. 375-94.000.
- Lo, Peter K. Exercise bicycle for exercising arms and legs. 4,824,102, 4-25-89, Cl. 272-73.000.
- Lo, Peter K. Exercise bicycle for exercising arms and legs. 4,852,872, 8-1-89, Cl. 272-73.000.
- Lo, Peter Y.: *See—*
  - Bahr, Bradley C.; Lo, Peter Y.; Lomas, A. Wade; and Romenesko, David J., 4,853,474, Cl. 556-445.000.
- Lo, Peter Y. K., to Dow Corning Corporation. Aminofunctional organosilicon optical brighteners. 4,866,152, 9-12-89, Cl. 528-25.000.
- Lo, Peter Y. K.; and Ziemelis, Maris J., to Dow Corning Corporation. Process for preparing silicone microparticles cured by a Michael addition reaction. 4,876,039, 10-24-89, Cl. 264-4.700.
- Lo, Pi-Tuan. Racket having a cushioning shaft portion. 4,826,167, 5-2-89, Cl. 273-73.00J.
- Lo, Shui-Yin, to Apricot S.A. Method and apparatus for generating coherent bosons. 4,875,213, 10-17-89, Cl. 372-5.000.
- Lo, Sunny J.; and Snow, Steven A., to Dow Corning Corporation. Method of boosting foam in low sudsing detergents with zwitterionic polysiloxane. 4,879,051, 11-7-89, Cl. 252-8.750.
- Lo, Yi C., to Lin, Robert C.; and Lo, Yi C. Valve. 4,872,643, 10-10-89, Cl. 251-252.000.
- Lo, Ying-Cheng; and Humphries, Darral V., to Kusan, Inc. Methods of producing biaxially-oriented polymer product, and the product produced thereby. 4,874,657, 10-17-89, Cl. 428-220.000.
- Lo, Ying-Cheng, to Aluminum Company of America. Apparatus for producing biaxially oriented polymer sheet. 4,877,393, 10-31-89, Cl. 425-383.000.
- Lo, Young S., to A. H. Robins Company, Incorporated. Process for the preparation of 2-alkoxy-N-(1-azabicyclo[2.2.2])octan-3-yl)aminobenzamides. 4,870,181, 9-26-89, Cl. 546-133.000.
- Lo, Young S.; Shamblee, Dwight A.; Causey, David H.; and Mays, Richard P., to A. H. Robins Company, Incorporated. Process for synthesis of azetidine and novel intermediates therefor. 4,870,189, 9-26-89, Cl. 548-954.000.
- Lo, Yuan-Hung. Fastening device for handle support of skiing 4,826,152, 5-2-89, Cl. 272-97.000.
- Lobanoff, Mark; and Gavagan, James A., to Irvin Industries, Inc. Spring-loaded hinge assembly for vehicle accessories. 4,796,944, 1-10-89, Cl. 296-97.500.
- Lobazov, Alexandr F.; Mostovnikov, Vasily A.; Nechaev, Sergei V.; and Belenky, Boris G., to Institute Fiziki AN BSSR. Laser fluorometric detector for microcolumn chromatography. 4,822,167, 4-18-89, Cl. 356-317.000.
- Lobb, Jolan F.: *See—*
  - Hinkel, Walter W.; Lobb, Jolan F.; Wall, Gene D.; Forand, Roger J.; and Gehringer, Gerald B., 4,813,467, Cl. 152-454.000.

- Lobb, Thomas A.: *See—*
  - Koop, Rodney D.; Lobb, Thomas A.; and Martin, Richard L., Jr., 4,795,713, Cl. 436-175.000.
- Lobb, William E., to Jaffe Acoustics, Inc. Acoustic sound system for a room. 4,837,829, 6-6-89, Cl. 381-83.000.
- Lobbert, Johannes. Device for hygienic waste collection in hospitals, laboratories and similar establishments. 4,883,189, 11-28-89, Cl. 220-1.00T.
- Lobdell, Donn D.: *See—*
  - Ogawa, Francis T.; Eilers, George J.; Manes, Michael R.; Lobdell, Donn D.; and Boucher, Terry D., 4,825,168, Cl. 324-439.000.
- Lobe, Henry J. Sailboard fin retaining member. 4,846,745, 7-11-89, Cl. 441-79.000.
- Lobel, Gary S.; Goldberg, Steven J.; and Johnson, Gerald H., Jr., to Motorola, Inc. Paging controller having a multiplex bus arrangement. 4,882,729, 11-21-89, Cl. 370-85.100.
- Lobig, Arnold, to General Motors Corporation. Connecting rod. 4,836,044, 6-6-89, Cl. 74-579.00E.
- Lobig, Arnold, to General Motors Corporation. Connecting rod. 4,836,045, 6-6-89, Cl. 74-579.00E.
- Lobig, Arnold, to General Motors Corporation. Engine crankshaft supports. 4,836,159, 6-6-89, Cl. 123-195.00H.
- Lobig, Gerard: *See—*
  - Feuerstein, Albert; Eberhardt, Helmut; Lammermann, Helmut; Bauer, Volker; and Lobig, Gerard, 4,815,415, Cl. 118-718.000.
- Lobo, Edward M.: *See—*
  - Rice, Ronald B.; Lobo, Edward M.; Casanova, Hector A.; and Kosnosky, Theodore P., 4,812,941, Cl. 361-15.000.
- Lobo, Hubert; and Wang, Kuo K., to Cornell Research Foundation, Inc. Line-heat-source thermal conductivity measuring system. 4,861,167, 8-29-89, Cl. 374-44.000.
- Lobo, Roberto J. H.; and Rysevas, Mauricio, to AVM-Auto Equipamentos LtDA. Automatic free wheeling hub assembly. 4,817,752, 4-4-89, Cl. 180-247.000.
- Lobry, Claude; and Trutt, Didier, to Societe Orega Electronique et Mecanique. Device for centering preformed components for the flat implantation thereof by means of an automatic setting machine. 4,797,996, 1-17-89, Cl. 29-740.000.
- Lobsiger, Werner; and Lotz, Hans-Georg, to Leybold Heraeus GmbH. Process and apparatus for production of an optical element. 4,838,628, 6-13-89, Cl. 350-1.600.
- Lobster Tool Co., Ltd.: *See—*
  - Kamata, Akira; Kubo, Yoshiyuki; Umemura, Yasuo; and Tsuyuguchi, Hirohumi, 4,821,555, Cl. 72-391.000.
- Loby, Raymond J.: *See—*
  - Thompson, Chester C.; and Loby, Raymond J., 4,845,370, Cl. 250-492.300.
- Locatelli, Marcel, to Commissariat A L'Energie Atomique. Liquefied gas transfer line having at least one bypass for the vapors of said gas. 4,887,433, 12-19-89, Cl. 62-50.700.
- Locatelli, Renato: *See—*
  - Bertelli, Guido; Busi, Patrizia; and Locatelli, Renato, 4,798,857, Cl. 524-93.000.
  - Bertelli, Guido; and Locatelli, Renato, 4,833,186, Cl. 524-100.000.
- Loce, Robert P.; Feth, Susan E.; Lama, William L.; and Lehman, Richard F., to Xerox Corporation. Image halftoning system for printers. 4,868,587, 9-19-89, Cl. 346-157.000.
- Loce, Robert P.; and Lama, William L., to Xerox Corporation. Printer compensated for vibration-generated scan line errors. 4,884,083, 11-28-89, Cl. 346-108.000.
- Loce, Robert P.: *See—*
  - Lama, William L.; Loce, Robert P.; and Durbin, John A., 4,801,978, Cl. 355-69.000.
- Loch, George. High center shovel. 4,794,992, 1-3-89, Cl. 172-721.000.
- Loch, Werner: *See—*
  - Goeckel, Ulrich; Petersen, Harro; Osterloh, Rolf; Schupp, Eberhard; Loch, Werner; and Schwerzel, Thomas, 4,855,394, Cl. 528-263.000.
- Lochbaum, Karen E.: *See—*
  - Deerwester, Scott C.; Dumais, Susan T.; Furnas, George W.; Harshman, Richard A.; Landauer, Thomas K.; Lochbaum, Karen E.; and Streeter, Lynn A., 4,839,853, Cl. 364-900.000.
- Locher, Anton: *See—*
  - Bachhofer, Bruno; and Locher, Anton, 4,798,669, Cl. 210-109.000.
  - Bachhofer, Bruno; and Locher, Anton, 4,818,498, Cl. 422-186.200.
- Locher, Hermann, to Giroflex Entwicklungs AG. Adjusting device, particularly for adjustable chairs. 4,817,898, 4-4-89, Cl. 248-161.000.
- Locher, Hermann, to Giroflex Entwicklungs AG. Adjusting mechanism, particularly for tiltable and vertically adjustable chairs. 4,828,080, 5-9-89, Cl. 188-300.000.
- Locher, Johannes: *See—*
  - Nusser, Claus-Dieter; and Locher, Johannes, 4,839,812, Cl. 364-424.040.
- Locher, Mark R.: *See—*
  - Hakim, Shafik J.; Locher, Mark R.; Nieng, Kenneth Y.; and Vagnozzi, Barbara A., 4,841,433, Cl. 364-200.000.
- Locher, Rita: *See—*
  - Jolidon, Synese; Locher, Rita; Kompis, Ivan; Weiss, Ekkehard; and Wyss, Pierre-Charles, 4,806,541, Cl. 514-254.000.
- Lochet, Jean A., to Vanguard Research Associates, Inc. Electrolyte solution and process for gold electroplating. 4,795,534, 1-3-89, Cl. 204-44.300.
- Lochmahr, Karl: *See—*
  - Kampf, Hans; and Lochmahr, Karl, 4,852,363, Cl. 62-176.600.
- Lochmuller, Charles H.: *See—*
  - Breiner, Steven J.; and Lochmuller, Charles H., 4,834,862, Cl. 204-301.000.
- Locht, Camille: *See—*
  - Keith, Jerry M.; and Locht, Camille, 4,883,761, Cl. 435-320.000.
- Lochte, Glen E., to Chevron Research Company. Subsea well choke system. 4,848,473, 7-18-89, Cl. 166-344.000.
- Locicero, Frank. Method of removing ticks and leeches from mammals. 4,834,967, 5-30-89, Cl. 424-45.000.
- Lock, Brian E.; and Aceti, John G., to General Electric Company. Pin feeding apparatus. 4,821,864, 4-18-89, Cl. 198-368.000.
- Lock, Brian E.; and Aceti, John G., to General Electric Company. Pin transfer apparatus. 4,861,085, 8-29-89, Cl. 294-87.100.
- Lock, Gijsbert: *See—*
  - Esser, Leonard J. M.; and Lock, Gijsbert, 4,807,005, Cl. 357-24.000.
- Lock, Michele R.: *See—*
  - Aronson, Michael; Lock, Michele R.; and Santos, Edward, 4,863,632, Cl. 252-186.350.
  - Monzon, Medardo; Lock, Michele R.; and Galloway, James G., 4,806,207, Cl. 162-168.100.
- Lock-R-Lock, Inc.: *See—*
  - Bretl, Robert J.; and Taylor, Jewell A., 4,866,958, Cl. 70-25.000.
  - Taylor, Jewell, 4,829,795, Cl. 70-54.000.
  - Taylor, Jewell A.; and Bretl, Robert J., 4,862,714, Cl. 70-25.000.
- Lock, Walter G., to Holmes International Inc. Foldable ramp extension for wheel lift apparatus. 4,859,134, 8-22-89, Cl. 414-563.000.
- Lockard, Joseph L., to AMP Incorporated. Contact subassembly for an electrical connector and method of making same. 4,826,443, 5-2-89, Cl. 439-101.000.
- Lockard, Thomas A., to Koch Supplies, Inc. Control linkage for sausage stuffing mechanism on sausage stuffing machine. 4,837,896, 6-13-89, Cl. 17-35.000.
- Lockard, Thomas A.: *See—*
  - Niebauer, Kenneth L.; and Lockard, Thomas A., 4,834,592, Cl. 407-114.000.
- Lockard, Walter G.; Hoekstra, Herbert J.; Boris, Allen J.; and Nickles, Douglas M., to Invacare Corporation. Adjustable child's wheelchair. 4,813,693, 3-21-89, Cl. 280-42.000.
- Lockard, Walter G.; Boris, Allen J.; and Kosc, Wieslaw, to Invacare Corporation. Symmetrically modular wheelchair. 4,840,390, 6-20-89, Cl. 280-250.100.
- Lockard, Walter G.: *See—*
  - Haury, Gilbert E.; Patel, Nathalal C.; Lockard, Walter G.; Wiatrak, Thomas R.; and Curran, Neal J., 4,805,925, Cl. 280-250.100.
- Locke, David R.; Miska, Aivars; and McCarthy, Richard M., to Remington Products, Inc. Electric dry shaver having an improved trimmer arrangement. 4,803,780, 2-14-89, Cl. 30-34.100.
- Locke, David R.; and Miska, Aivars, to Remington Products, Inc. Apparatus for a medical treatment preparation procedure. 4,813,133, 3-21-89, Cl. 30-215.000.
- Locke, David R., to Remington Products, Inc. Electric dry shaver. 4,825,542, 5-2-89, Cl. 30-43.920.
- Locke, John W.: *See—*
  - Svoboda, Alan C.; Locke, John W.; and Campbell, David C., 4,811,271, Cl. 364-728.010.
- Locke, Lawrence K.: *See—*
  - Hazelton, Donald R.; Laurent, Douglas J.; Locke, Lawrence K.; and Hodgson, William J., Jr., 4,880,682, Cl. 428-152.000.
- Locke, Norman: *See—*
  - Middlin, Bruce; Locke, Norman; and Kennedy, Alan W., 4,840,710, Cl. 204-12.000.
- Locke, Ralph J.; and Netherton, David C., to Plan B, Inc. Process and composition for protecting and cushioning. 4,859,714, 8-22-89, Cl. 521-140.000.
- Locke, Terry J. A.: *See—*
  - McAndless, John M.; Hancock, James R.; Barnett, Donald B.; Olm, Orville J.; Locke, Terry J. A.; and Maybank, John, 4,869,117, Cl. 73-864.340.
- Locker, Richard W.; Chan, Philip P.; and Nagi, Paramjit S., to Ford Motor Company. Welding of parts separated by a gap using a laser welding beam. 4,833,295, 5-23-89, Cl. 219-121.630.
- Locker, Richard W.: *See—*
  - Farone, Joseph D.; and Locker, Richard W., 4,868,365, Cl. 219-121.640.
- Locker, Robert J.: *See—*
  - Day. John P.; and Locker, Robert J., 4,855,265, Cl. 501-128.000.
- Lockerman, Scott G.: *See—*
  - Dimmick, Gary S.; and Lockerman, Scott G., 4,805,426, Cl. 70-14.000.
  - Dimmick, Gary S.; and Lockerman, Scott G., 4,822,052, Cl. 273-162.00D.
- Lockett, Jeffrey E.: *See—*
  - Gordon, Alan J.; Bowman, David J.; Lockett, Jeffrey E.; and Murry, Michael, 4,834,019, Cl. 118-423.000.
- Lockett, Michael J.: *See—*
  - Victor, Richard A.; and Lockett, Michael J., 4,838,913, Cl. 62-22.000.
- Lockett, Ricky P. Neck exercising device and method. 4,832,333, 5-23-89, Cl. 272-94.000.
- Lockhart Industries, Inc.. *See—*
  - Gewebler, Ytzhak; and Torok, Alexander S., 4,829,402, Cl. 361-383.000.
- Lockhart, James L., to United States of America, Energy. Underwater measuring gage. 4,837,936, 6-13-89, Cl. 33-783.000.
- Lockhart, Walter R. Tamper-proof method of distributing and retailing food and drug products. 4,817,818, 4-4-89, Cl. 221-1.000.

- Lockheed Corporation: *See—*
  - Adams, Mark J.; Crisman, Elton M., Jr.; and Khan, Asrar A., 4,795,906, Cl. 250-341.000.
  - Adams, Mark J.; and Crisman, Elton M., Jr., 4,854,724, Cl. 374-5.000.
  - Aker, Sam C.; Jackson, Jay W.; and Phillips, Pettice M., 4,828,639, Cl. 156-245.000.
  - Baird, Brian W.; and Levy, Martin, 4,826,266, Cl. 350-1.100.
  - Bennett, John A.; Englar, Robert J.; and Thomas, Andrew S. W., 4,844,385, Cl. 244-207.000.
  - Carberry, Terrance K., 4,846,934, Cl. 202-177.000.
  - Chase, Charles J., 4,888,590, Cl. 342-3.000.
  - Dunsmore, Richard F., 4,861,211, Cl. 411-501.000.
  - Franco, Maurice, 4,876,547, Cl. 342-160.000.
  - Hannel, Clifford L., 4,805,475, Cl. 74-440.000.
  - Hannel, Clifford L., 4,824,087, Cl. 269-234.000.
  - Knight, George M., 4,847,627, Cl. 343-705.000.
  - Kovitch, Frank J.; Reinhardt, Charles M.; and Sullivan, Paul E., 4,881,759, Cl. 285-49.000.
  - Krawetz, Barton; and Celniker, Leo, 4,850,551, Cl. 244-97.000.
  - Langenbeck, Sharon L.; and Hildeman, Gregory J., 4,799,978, Cl. 148-437.000.
  - Marrache, Albert A.; and Snipes, Frank C., Jr., 4,876,973, Cl. 112-121.160.
  - Martin, David A., 4,836,030, Cl. 73-800.000.
  - Martin, David A., 4,888,076, Cl. 156-245.000.
  - Morrison, Robert A., 4,884,983, Cl. 439-874.000.
  - Peaster, Bertram A., 4,813,713, Cl. 285-13.000.
  - Peppel, George W., 4,796,862, Cl. 254-277.000.
  - Peppel, George W.; and Sullivan, Paul E., 4,846,446, Cl. 254-277.000.
  - Phillips, Pettice M.; and Swink, Billy J., 4,857,162, Cl. 204-257.000.
  - Rogers, Philip L.; and Rogers, Milton, 4,875,770, Cl. 356-28.500.
  - Smethers, Rollo G., Jr., 4,797,680, Cl. 343-705.000.
  - Smith, Charles R.; Brindisi, Anthony E.; and Tyree, Gerald W., 4,884,929, Cl. 411-3.000.
  - Thorsted, Ted H., Jr., 4,842,667, Cl. 156-166.000.
  - Villani, Vincent, 4,794,836, Cl. 83-853.000.
  - Wainfan, Barnaby S., 4,867,396, Cl. 244-215.000.
  - Wegrzyn, Jeffrey G., 4,822,743, Cl. 436-3.000.
  - Yaniger, Stuart I., 4,798,685, Cl. 252-500.000.
  - Yaniger, Stuart I.; Macdiarmid, Alan G.; and Angelopoulos, Marie, 4,806,271, Cl. 252-500.000.
  - Yaniger, Stuart I., 4,822,638, Cl. 427-79.000.
  - Yaniger, Stuart I.; and Cameron, Randy E., 4,851,487, Cl. 525-540.000.
  - Yaniger, Stuart I.; and Cameron, Randy E., 4,855,361, Cl. 525-436.000.
- Lockheed Electronics Co., Inc.: *See—*
  - Cangiani, Gene L.; and Madiwale, Appasaheb N., 4,855,932, Cl. 364-516.000.
  - Van Saders, John G.; Tarasevich, Andrew; and Reichenbach, Michael C., 4,836,681, Cl. 356-374.000.
- Lockheed, John A. Canard control system for aircraft. 4,848,700, 7-18-89, Cl. 244-45.00A.
- Lockheed Missiles & Space Company, Inc.: *See—*
  - Gal, George; and Morrow, Howard E., 4,859,055, Cl. 356-28.000.
  - Huang, Cheng-Chung, 4,848,908, Cl. 356-349.000.
  - Lavendel, Henry W.; and Robinson, John C., 4,806,431, Cl. 428-450.000.
  - Lavendel, Henry W.; and Robinson, John C., 4,810,532, Cl. 148-245.000.
  - Lavendel, Henry W.; and Robinson, John C., 4,818,625, Cl. 428-457.000.
  - Lindgren, Matts J., 4,813,636, Cl. 244-152.000.
  - Mercado, Romeo I., 4,834,515, Cl. 350-442.000.
  - Mercado, Romeo I., 4,842,384, Cl. 350-412.000.
  - Okazaki, Eldon; and Petersen, Howard L., 4,821,094, Cl. 357-23.100.
  - Robb, Paul N., 4,832,472, Cl. 350-463.000.
  - Schmidt, Terrence W., 4,798,153, Cl. 114-61.000.
  - Wade, William D., 4,868,580, Cl. 343-912.000.
- Lockhoff, Oswald; Hayauchi, Yutaka; Stadler, Peter; Stunkel, Klaus G.; Streissle, Gert; Paessens, Arnold; Klimetzek, Volker; Zeiler, Hans-Joachim; Metzger, Karl G.; Kroll, Hein-Peter; Brunner, Helmut; and Schaller, Klaus, to Bayer Aktiengesellschaft. Novel pharmaceutically active N-(2-aminoacylamido-2-deoxy-hexosyl)-amides, -carbamates and -ureas. 4,855,283, 8-8-89, Cl. 514-8.000.
- Lockman Products Company, Inc.: *See—*
  - Dimmick, Gary S.; and Lockerman, Scott G., 4,805,426, Cl. 70-14.000.
  - Dimmick, Gary S., 4,817,403, Cl. 70-69.000.
- Lockmasters, Inc.: *See—*
  - Miller, J. Clayton, 4,865,493, Cl. 408-1.00R.
- Locko, George A., to Union Camp Corporation. Device for dispensing volatile fragrances. 4,889,285, 12-26-89, Cl. 239-34.000.
- Lockwood, Dale: *See—*
  - Visnaw, Daniel; and Lockwood, Dale, 4,817,224, Cl. 14-69.500.
- Lockwood, David N. Building panels. 4,862,652, 9-5-89, Cl. 52-82.000.
- Lockwood, Hanford N., Jr., to NEA Technologies, Inc. Method and apparatus for combusting fuel in a pulse combustor. 4,819,873, 4-11-89, Cl. 239-8.000.
- Lockwood, Hanford N., Jr., to NEA Technologies, Inc. Pulse combustion energy system. 4,838,784, 6-13-89, Cl. 432-58.000.
- Lockwood, Larry E. Paint brush holder. 4,852,833, 8-1-89, Cl. 248-110.000.
- Lockwood, Richard E., Sr. Tree protector. 4,800,676, 1-31-89, Cl. 47-24.000.
- Lockwood Technical, Inc.: *See—*
  - Russell, Gary; and Kozacky, Walter J., 4,890,188, Cl. 361-154.000.
- Lockwood, William D., to Con/Span Culvert Systems, Inc. Precast concrete culvert system. 4,797,030, 1-10-89, Cl. 405-125.000.
- Lockwood, William D., to Con/Span Culvert Systems, Inc. Precast concrete culvert system. 4,854,775, 8-8-89, Cl. 405-126.000.
- Lockyer, Robert W.: *See—*
  - Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.
- Lococo, Michael P. Endodontic core assembly. 4,828,496, 5-9-89, Cl. 433-224.000.
- Loctite Corporation: *See—*
  - Beers, M. Dale; and Thompson, James E., 4,847,396, Cl. 556-421.000.
  - Breault, John P.; and Dickau, Ewald F., 4,858,789, Cl. 222-309.000.
  - Drain, Kieran F.; Summers, Robert; and Nativi, Larry A., 4,826,705, Cl. 427-54.100.
  - Drain, Kieran F.; and Kadziela, Kris, 4,886,842, Cl. 522-103.000.
  - Dunn, David J.; Vano, Patrick P.; Moran, James P., Jr.; Holmes, Mark; and Frauenglass, Elliott, 4,855,002, Cl. 156-307.300.
  - Fairey, Colin B.; Frauenglass, Elliott; and Vincent, Larry W., 4,813,714, Cl. 285-94.000.
  - Gelinas, William A.; Holtz, Edwin R.; Argazzi, Dennis J.; Smigel, Robert L.; and Wiley, Dan W., 4,804,435, Cl. 156-379.600.
  - Harris, Stephen J., 4,866,198, Cl. 560-61.000.
  - Harris, Stephen J., 4,882,449, Cl. 556-419.000.
  - Klemarczyk, Philip, 4,806,608, Cl. 526-262.000.
  - Montenieri, Robert E., Sr., 4,867,210, Cl. 141-98.000.
  - Steinkraus, Walter J.; Woods, John; Rooney, John M.; Jacobine, Anthony F.; and Glaser, David M., 4,808,638, Cl. 522-24.000.
- Loctite (Ireland) Limited: *See—*
  - Harris, Stephen J., 4,855,461, Cl. 549-348.000.
  - Kneafsey, Brendan J.; Rooney, John M.; and MacAogain, Conor F., 4,867,817, Cl. 156-73.100.
  - McDonnell, Patrick F.; and Kneafsey, Brendan J., 4,869,772, Cl. 156-314.000.
- Loctite Luminescent Systems, Inc.: *See—*
  - Kreiling, William H.; and Tower, William A., 4,857,416, Cl. 428-690.000.
- Lo Curto, Michelangelo: *See—*
  - Ceroni, Ettore; and Lo Curto, Michelangelo, 4,795,986, Cl. 329-124.000.
- Locwyn Limited: *See—*
  - Selwyn-Smith, Clive, 4,856,660, Cl. 211-46.000.
  - Selwyn-Smith, Clive, 4,882,864, Cl. 40-359.000.
- Lodder, Bernard; Koopman, Roelof; and Visscher, Jan, to Wavin B.V. Welding sleeve with connecting means having an upper and lower part. 4,855,574, 8-8-89, Cl. 219-535.000.
- Lodder, Robert A., to Indiana University Foundation. Sample holders or reflectors for intact capsules and tablets and for liquid microcells for use in near-infrared reflectance spectrophotometers. 4,882,493, 11-21-89, Cl. 250-353.000.
- Lodec, Inc.: *See—*
  - Hutchisson, James T.; and Benoit, Marcell N., 4,825,069, Cl. 250-229.000.
- Lodge, Nicolas K., to Independent Broadcasting Authority. System for encoding broadcast quality television signals to enable transmission as an embedded code. 4,858,005, 8-15-89, Cl. 358-135.000.
- Lodhi, Nusra, to Advanced Micro Devices. FIFO memory device including circuit for generating flag signals. 4,847,812, 7-11-89, Cl. 365-221.000.
- Lodholz, Gus A., Jr. Retractable ladder assembly. 4,860,854, 8-29-89, Cl. 182-88.000.
- Lodige Fordertechnik GmbH: *See—*
  - Stille, Volker, 4,852,721, Cl. 198-782.000.
- Lodige, Heinrich: *See—*
  - Arnold, Winfried; Hesse, Horst; Hofer, Friedrich-Wilhelm; Lodige, Heinrich; Mohaupt, Hubert; and Schumacher, Werner, 4,809,785, Cl. 172-9.000.
- Lodin, David W., to Honeywell Inc. Lamp replacement tool. 4,852,925, 8-1-89, Cl. 294-2.000.
- Loding, David C.; and Ernst, James D., to Magnetek Controls. Variable radius cable carrier. 4,858,424, 8-22-89, Cl. 59-78.100.
- Lodini, Paolo, to Leda Logarithmic Electrical Devices for Automation S.r.l. Electric resistor designed for use as an electric conducting element in an electric circuit, and relative manufacturing process. 4,837,548, 6-6-89, Cl. 338-47.000.
- Lodini, Paolo, to Leda Logarithmic Electrical Devices for Automation S.r.l. Two-dimensional electric conductor designed to function as an electric switch. 4,876,419, 10-24-89, Cl. 200-86.00R.
- Lodini, Paolo, to LEDA Logarithmic Electrical Devices for Automation S.r.l. Continuous flexible electric conductor capable of functioning as an electric switch. 4,876,420, 10-24-89, Cl. 200-86.00R.
- Lodisio, Richard A. Safety alert for water skiers. 4,807,557, 2-28-89, Cl. 116-173.000.
- Lodoen, Gary A., to Du Pont de Nemours, E. I., and Company. Spandex formed with a mixture of diamines. 4,798,880, 1-17-89, Cl. 528-63.000.
- Lodoen, Gary A., to Du Pont de Nemours, E. I., and Company. Articles of spandex having polycarbonate soft segment. 4,837,292, 6-6-89, Cl. 528-63.000.

- Lodoen, Gary A., to Du Pont de Nemours, E. I., and Company. Polyester-based spandex filament. 4,871,818, 10-3-89, Cl. 525-440.000.
- Lodovico, Frank J.; Wagner, John W.; and Cerra, Richard D., to Wagner, John W. Apparatus for crushing cans. 4,862,796, 9-5-89, Cl. 100-173.000.
- Lodwig, Klaus: *See—*
  - Odenkirchen, Horst; and Lodwig, Klaus, 4,796,143, Cl. 361-37.000.
- Loeb, David J.; and Milliken, Keith R., to International Business Machines Corporation. Method for optimized RETE pattern matching in pattern-directed, rule-based artificial intelligence production systems. 4,849,905, 7-18-89, Cl. 364-513.000.
- Loeb, David J.; and Milliken, Keith R., to International Business Machines Corporation. Coalescing changes in pattern-directed, rule-based artificial intelligence production systems. 4,890,240, 12-26-89, Cl. 364-513.000.
- Loeb, Gerald E.: *See—*
  - Byers, Charles L.; Loeb, Gerald E.; Merzenich, Michael M.; and Rebscher, Stephen J., 4,819,647, Cl. 128-642.000.
- Loeb, Marvin P.; and Perry, John F., to Xtramedics, Inc. Pubic prophylactic with snap-over shield. 4,872,464, 10-10-89, Cl. 128-844.000.
- Loeb, Marvin P.; and Perry, John F., to Xtramedics, Inc. Pubic prophylactic. 4,888,007, 12-19-89, Cl. 604-352.000.
- Loebach, Michael H. Folding apparatus. 4,863,421, 9-5-89, Cl. 493-419.000.
- Loeber, Frederick W.; Doden, Terrence L.; and Massie, Ronald R., to Unit Rig & Equipment. Pinion gear speed disc brake. 4,843,910, 7-4-89, Cl. 74-762.000.
- Loeber, Frederick W.; Hoffelmeyer, Richard L.; and Jackson, Jeffrey A., to Unit Rig, Inc. Vehicle N2/oil suspension with external damping orifice adjustment. 4,863,147, 9-5-89, Cl. 267-64.260.
- Loeber, Peter J.: *See—*
  - Bannister, Ray L.; Close, Frederick C.; and Loeber, Peter J., 4,841,858, Cl. 101-232.000.
- Loebig, Craig K.: *See—*
  - Mayer, Daniel W.; Loebig, Craig K.; and Savick, Wayne K., 4,852,389, Cl. 73-38.000.
- Loeblich, Karl-Richard; Bruns, Guenter; Zentgraf, Helmut; and Czaplinsky, Ernst, to Kali Und Salz Aktiengesellschaft. Method of granulating water soluble fertilizers with high kieserite content. 4,848,675, 7-18-89, Cl. 241-21.000.
- Loecher, Engelbert: *See—*
  - Hartmann, Ludwig; Loecher, Engelbert; Ruzek, Ivo; and Weber, Norbert, 4,842,915, Cl. 428-95.000.
- Loecher, Friedrich: *See—*
  - Fischer, Roman; Koob, Knut; and Loecher, Friedrich, 4,824,864, Cl. 514-494.000.
- Loeck, Steven M.: *See—*
  - Pea, Kevin I.; Tenniswood, David M.; and Loeck, Steven M., 4,889,964, Cl. 200-31.00R.
  - Tenniswood, David M.; Pea, Kevin I.; and Loeck, Steven M., 4,885,437, Cl. 200-31.00R.
- Loeding, Neil W.: *See—*
  - Krueger, Dennis L.; Loeding, Neil W.; and Poser, Claudia I., 4,820,586, Cl. 428-421.000.
- Loeffler, Earl F., to Firestone Tire & Rubber Company, The. Shaping turret. 4,798,276, 1-17-89, Cl. 198-378.000.
- Loeffler, Earl F., to Firestone Tire & Rubber Company, The. Shaping turret. 4,805,872, 2-21-89, Cl. 251-25.000.
- Loeffler, Gerhard: *See—*
  - Dassler, Hans-Ulrich; Haas, Ruediger; Loeffler, Gerhard; and Liebers, Lutz, 4,807,995, Cl. 356-240.000.
- Loeffler, Herbert H., to Logical Heating Systems, Inc. Combination hydronic space heater and tankless hot water heater. 4,823,770, 4-25-89, Cl. 126-362.000.
- Loeffler, Hermann: *See—*
  - Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, 4,855,412, Cl. 534-766.000.
  - Dehnert, Johannes; Lamm, Gunther; and Loeffler, Hermann, 4,855,413, Cl. 534-766.000.
- Loeffler, Horst R., to Process Systems, Inc. Method and apparatus for measuring electricity. 4,801,874, 1-31-89, Cl. 324-142.000.
- Loeffler, John M., to Dana Corporation. Synchronizer blocker pin mounting structure. 4,796,741, 1-10-89, Cl. 192-53.00E.
- Loeffler, John M., to Dana Corporation. Multi-speed transmission. 4,805,471, 2-21-89, Cl. 74-333.000.
- Loeffler, John M., to Dana Corporation. Twin countershaft transmission with floating main shaft. 4,807,493, 2-28-89, Cl. 74-745.000.
- Loeffler, John M.; and Watson, Rick D., to Dana Corporation. Forward/center control shifting apparatus for a vehicle transmission. 4,827,793, 5-9-89, Cl. 74-477.000.
- Loeffler, Michael: *See—*
  - Seifert, Willis; and Loeffler, Michael, 4,824,496, Cl. 156-64.000.
- Loehlein, Gerald J.: *See—*
  - Schultz, Edward R.; Loehlein, Gerald J.; Travers, Dennis P.; McGregor, Calvin J.; and Johnstone, Robert H., 4,795,193, Cl. 281-15.00R.
- Loehner, Herbert: *See—*
  - Nebhuth, Thomas; and Loehner, Herbert, 4,841,672, Cl. 49-25.000.
- Loeliger, Arnold, to Kolmar Cosmetics (Europa) AG. Rod-shaped dispensing device for rubbable or scrapable masses. 4,863,301, 9-5-89, Cl. 401-82.000.
- Loeliger, Peter: *See—*
  - Klaus, Michael; Loeliger, Peter; and Weiser, Harald, 4,816,476, Cl. 514-443.000.
  - Klaus, Michael; Loeliger, Peter; Mohr, Peter; and Weiss, Ekkehard, 4,870,219, Cl. 570-189.000.
- Loenders, Mark: *See—*
  - Brown, James P.; Duber, Ernst O.; and Loenders, Mark, 4,885,348, Cl. 525-458.000.
- Loertscher, Hanspeter. Cornea laser-cutting apparatus. 4,887,592, 12-19-89, Cl. 606-5.000.
- Loerwald, Terry L., to Land and Marine Applicators, Inc. Can end cutting device. 4,807,367, 2-28-89, Cl. 30-445.000.
- Loerzer, Thomas; and Leyrer, Reinhold J., to BASF Aktiengesellschaft. Photochromic system and layers produced therewith. 4,857,438, 8-15-89, Cl. 430-332.000.
- Loerzer, Thomas: *See—*
  - Kempe, Uwe; Dockner, Toni; Karn, Helmut; Bluemel, Thomas; Leyrer, Reinhold J.; and Loerzer, Thomas, 4,866,183, Cl. 548-336.000.
- Loesch, James G.: *See—*
  - Konicke, Michael L.; Veitengruber, James E.; and Loesch, James G., 4,860,007, Cl. 340-173.000.
- Loesel, Georg: *See—*
  - Tratz, Herbert; Riedle, Klaus; and Loesel, Georg, 4,878,440, Cl. 110-233.000.
- Loeser, Werner: *See—*
  - Richter, Juergen; Grau, Werner; Maurer, Gerd; Domas, Friedrich; Loeser, Werner; Bender, Rainer; Schulze, Axel-Ruediger; and Doerr, Kurt, 4,835,909, Cl. 51-281.0SF.
- Loessel, Mark C.; Myers, Robert W.; and Neitzke, Robert C., to Miles Inc. Method and circuit for controlling single chip microcomputer. 4,825,407, 4-25-89, Cl. 364-900.000.
- Loew, Dieter; Schuster, Otto; and Lukas, H., to Medice Chem.-Pharm. Fabrik Putter GmbH & Co. KG. Ibuprofen-containing medicament. 4,877,620, 10-31-89, Cl. 424-451.000.
- Loewe, Erhard; and Bertels, Ludger, to Du Pont de Nemours, E. I., and Company. Lightproof cassette. 4,889,292, 12-26-89, Cl. 242-71.100.
- Loewe, Richard: *See—*
  - Lindae, Gerhard; Loewe, Richard; and Perthus, Peter, 4,796,171, Cl. 362-308.000.
  - Lindae, Gerhard; Loewe, Richard; and Perthus, Peter, 4,800,467, Cl. 362-61.000.
- Loewe, Thomas D.: *See—*
  - Kreft, Keith A.; Dikopf, Michael; and Loewe, Thomas D., 4,795,979, Cl. 324-379.000.
- Loewenstein, Albert; and Fiedler, Heidi, to Henkel Kommanditgesellschaft auf Aktien. Spinning preparations for melt spinning synthetic fibers. 4,871,592, 10-3-89, Cl. 427-389.900.
- Loewenstein, Lee M., to Texas Instruments Incorporated. Process for etching silicon nitride selectively to silicon oxide. 4,820,378, 4-11-89, Cl. 156-643.000.
- Loewenstein, Lee M.; and Davis, Cecil J., to Texas Instruments Incorporated. Method for etch of GaAs. 4,830,705, 5-16-89, Cl. 156-643.000.
- Loewenstein, Lee M.; and Davis, Cecil J., to Texas Instruments Incorporated. Process for etching silicon nitride film. 4,844,773, 7-4-89, Cl. 156-643.000.
- Loewenstein, Lee M., to Texas Instruments Incorporated. Method for etching silicon nitride. 4,857,140, 8-15-89, Cl. 156-643.000.
- Loewenstein, Lee M.; Davis, Cecil J.; and Jucha, Rhett B., to Texas Instruments Incorporated. Method for etch of polysilicon film. 4,867,841, 9-19-89, Cl. 156-643.000.
- Loewenstein, Lee M.: *See—*
  - Davis, Cecil J.; Matthews, Robert T.; Jucha, Rhett B.; and Loewenstein, Lee M., 4,820,377, Cl. 156-643.000.
  - Davis, Cecil J.; Loewenstein, Lee M.; Jucha, Rhett B.; Matthews, Robert T.; Hildenbrand, Randall C.; Freeman, Dean W.; and Jones, John I., 4,822,450, Cl. 156-643.000.
  - Davis, Cecil J.; Loewenstein, Lee M.; and Jucha, Rhett B., 4,828,649, Cl. 156-643.000.
  - Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Bohlman, James G.; Loewenstein, Lee M.; and Jones, John I., 4,836,905, Cl. 204-298.000.
  - Davis, Cecil J.; Loewenstein, Lee M.; Matthews, Robert T.; Jones, John I.; and Jucha, Rhett B., 4,842,686, Cl. 156-643.000.
  - Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., 4,872,938, Cl. 156-345.000.
  - Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Abernathy, Joe V.; and Wooldridge, Timothy A., 4,875,989, Cl. 204-298.000.
  - Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Jucha, Rhett B.; Hildenbrand, Randall C.; and Jones, John I., 4,886,570, Cl. 156-643.000.
  - Garza, Cesar M.; Douglas, Monte A.; Loewenstein, Lee M.; and Davis, Cecil J., 4,882,008, Cl. 156-643.000.
  - Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., 4,842,676, Cl. 156-643.000.
  - Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., 4,855,016, Cl. 156-643.000.
  - Jucha, Rhett B.; Davis, Cecil J.; Tang, Tom, and Loewenstein, Lee M., 4,878,994, Cl. 156-643.000.
  - Liu, Jiann; Davis, Cecil J.; and Loewenstein, Lee M., 4,818,326, Cl. 156-345.000.
  - Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; York, Rudy I.; Loewenstein, Lee M.; and Jucha, Rhett B., 4,838,984, Cl. 156-643.000.
- Loewenthal, Bernard; and Thatcher, G. Lawrence, to Loewenthal, Bernard. Dental probe. 4,886,454, 12-12-89, Cl. 433-72.000.

Loewenthal, Werner; Leung, Patrick N.; and Wong, Yuen W., to Dataproducts Corporation. Speeding mapping of print characters in a microprocessor controlled bank printer. 4,796,202, 1-3-89, Cl. 364-519.000.
Loewicke, Gerold: *See—*
  Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Loewicke, Gerold; Knofler, Wolfram; and Graf, Hans-Ludwig, 4,832,602, Cl. 433-220.000.
Loewke, Daniel D.: *See—*
  Loewke, Eunice R.; and Loewke, Daniel D., 4,871,139, Cl. 248-460.000.
Loewke, Eunice R.; and Loewke, Daniel D. Portable, knock-down, reconfigurable book stand. 4,871,139, 10-3-89, Cl. 248-460.000.
Lof, Uno, to Lovab, Lof Och Ostlund, AB. Rotary drill. 4,817,741, 4-4-89, Cl. 175-398.000.
Loferski, Joseph J.: *See—*
  Case, Christopher; Loferski, Joseph J.; and Sanchez-Quesada, Francisco, 4,818,357, Cl. 204-192.250.
Loffler, Gerhard: *See—*
  Jeschke, Willi; and Loffler, Gerhard, 4,881,181, Cl. 364-519.000.
Loffler, Otto: *See—*
  Wagner, Eberhard P.; Maly, Rudolf; Loffler, Otto; and Niessner, Werner, 4,795,937, Cl. 313-130.000.
Loffler, Tilo; and Hartmann, Willi, to Schon & Cie. GmbH. Heel support device for supporting a last without movement thereof. 4,833,749, 5-30-89, Cl. 12-12.400.
Lofgren, Karl M.: *See—*
  Shearer, Gerald; Lofgren, Karl M.; and Ouyang, Kenneth W., 4,871,979, Cl. 330-253.000.
Lofgren, Karl M. J., to Western Digital Corporation. Flip-flop with identical propagation delay in clock pass through mode and in normal operation. 4,797,575, 1-10-89, Cl. 307-272.100.
Lofgren, Karl M. J.; and Wilson, Ronald E., to Western Digital Corporation. Integrated system for implementation of read window margining and write precompensaton in disk drives. 4,809,088, 2-28-89, Cl. 360-31.000.
Lofgren, Peter; and Arthun, Nils, to Steridose Systems AB. Filling device. 4,817,687, 4-4-89, Cl. 141-65.000.
Lofgren, Peter; and Aarthun, Nils I., to Steridose Systems AB. Valve device. 4,819,691, 4-11-89, Cl. 137-556.000.
Lofgren, Peter: *See—*
  Arthun, Nils; and Lofgren, Peter, 4,800,023, Cl. 210-644.000.
Lofgren, Robert W., to Riedel International, Inc. System for removing submerged sandwaves. 4,819,347, 4-11-89, Cl. 37-78.000.
Lofland, Spencer G. Apparatus for reclaiming and purifying chlorinated fluorocarbons. 4,856,289, 8-15-89, Cl. 62-149.000.
Lofquist, Robert A.: *See—*
  Twilley, Ian C.; and Lofquist, Robert A., 4,808,675, Cl. 525-408.000.
  Twilley, Ian C.; and Lofquist, Robert A., 4,847,142, Cl. 428-252.000.
Loftfield, Richard E.: *See—*
  Dong, Dennis F.; Noonan, Edward B.; Rogers, Derek J.; Clifford, Arthur L.; Benesch, Katharina; and Loftfield, Richard E., 4,872,957, Cl. 204-84.000.
Lofthus, Robert M.: *See—*
  Daniele, Joseph J.; and Lofthus, Robert M., 4,837,636, Cl. 358-300.000.
Loftsson, Thorsteinn; and Bodor, Nicholas, to Key Pharmaceuticals, Inc. Sulfur-substituted phenylacetamides. 4,859,707, 8-22-89, Cl. 514-625.000.
Loftsson, Thorsteinn: *See—*
  Bodor, Nicholas; and Loftsson, Thorsteinn, 4,885,174, Cl. 424-449.000.
Loftus, Daniel L.; and Shelley, David L. Communication apparatus for use in hazardous environments. 4,885,796, 12-5-89, Cl. 455-11.000.
Lofving, Stig-Arne, to Thorsman & Co. Aktiebolag. Outlet box provided with coaxial connectors. 4,797,507, 1-10-89, Cl. 174-48.000.
Logan-Barlow: *See—*
  Logan, Eugene T.; Barlow, Richard A.; and Logan, James E., 4,865,219, Cl. 220-410.000.
Logan, Bradley C.: *See—*
  Hamlin, Jack W.; Logan, Bradley C.; Richards, William A.; Sanders, Maurice T.; and Wyckoff, Robert C., 4,835,459, Cl. 324-73.00R.
Logan, David J., to Gerber Scientific Products, Inc. Web loading and feeding system, related web construction and method and apparatus for making web. 4,834,276, 5-30-89, Cl. 226-76.000.
Logan, David J.: *See—*
  Wood, Kenneth O.; and Logan, David J., 4,799,172, Cl. 364-518.000.
  Wood, Kenneth O.; Ladue, John E.; and Logan, David J., 4,867,363, Cl. 226-76.000.
Logan, Donald R.: *See—*
  Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.
Logan, Eugene T.; Barlow, Richard A.; and Logan, James E., to Logan-Barlow. Serving platter for pizza pan. 4,865,219, 9-12-89, Cl. 220-410.000.
Logan, James D.; and Litvin, Yury, to Microtouch Systems, Inc.; and Academy of Applied Science, Inc., The, a part interest. Touch screen computer-operated video display process and apparatus. 4,821,029, 4-11-89, Cl. 340-712.000.
Logan, James E.: *See—*
  Logan, Eugene T.; Barlow, Richard A.; and Logan, James E., 4,865,219, Cl. 220-410.000.
Logan, James L., to General Motors Corp. Stroking fascia for vehicle energy absorbing bumper systems. 4,877,279, 10-31-89, Cl. 293-121.000.
Logan, James P., Jr. Meat slicing apparatus. 4,821,635, 4-18-89, Cl. 99-538.000.
Logan, John R.; and Wickens, Donald C. Molded vent. 4,875,317, 10-24-89, Cl. 52-208.000.
Logan, Joseph N.: *See—*
  Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., 4,846,790, Cl. 604-22.000.
  Hornlein, Robert W.; Logan, Joseph N.; Broadwin, Alan; and Podany, Vaclav O., 4,881,761, Cl. 285-239.000.
Logan, Joseph S.: *See—*
  Jones, Fletcher; and Logan, Joseph S., 4,818,359, Cl. 204-298.000.
Logan, K. William; and McFarland, William D., to University of Missouri, The Curators of the. Apparatus and methods for scatter reduction in radiation imaging. 4,873,632, 10-10-89, Cl. 364-413.130.
Logan, Kathryn V., to Georgia Tech Research Corporation. Process for making highly reactive sub-micron amorphous titanium diboride powder. 4,888,166, 12-19-89, Cl. 423-297.000.
Logan, Keith M.: *See—*
  Anabtawi, Anan A.; and Logan, Keith M., 4,810,859, Cl. 219-535.000.
Logan, Kenneth W. Apparatus for heat sealing a candy wrapper to a sucker stick. 4,827,695, 5-9-89, Cl. 53-370.000.
Logan, Margaret E., to Eastman Kodak Company. Novel polymethine dyes and UV absorbers and imaging materials for their use. 4,839,269, 6-13-89, Cl. 430-281.000.
Logan, Margaret E., to Eastman Kodak Company. Novel polymethine dyes and UV absorbers containing a triarylborylisocyano group and imaging compositions containing these dyes. 4,839,274, 6-13-89, Cl. 430-281.000.
Logan, Margaret E., to Eastman Kodak Company. Novel polymethine dyes and imaging compositions. 4,855,213, 8-8-89, Cl. 430-281.000.
Logan, Mark A.: *See—*
  Hoffman, Gregory C.; Logan, Mark A.; and Carman, Justice N., 4,845,366, Cl. 250-425.000.
Logan, Richard H.: *See—*
  Brown, Thomas R.; Natzke, Ronald C.; and Logan, Richard H., 4,794,813, Cl. 74-491.000.
  Brown, Thomas R.; Logan, Richard H.; Hahn, Robert W.; Rodeghiero, Charles D.; and Brekkestran, Kevin L., 4,852,680, Cl. 180-287.000.
Logan, Shawn M.: *See—*
  Embree, David M.; and Logan, Shawn M., 4,853,655, Cl. 331-116.0FG.
  Embree, David M.; and Logan, Shawn M., 4,887,053, Cl. 331-116.0FE.
Logan, Terry L., to Resource Enterprises, Inc. Coal gasification well drilling process. 4,858,689, 8-22-89, Cl. 166-256.000.
Loge, Olaf: *See—*
  Heindl, Josef; and Loge, Olaf, 4,835,175, Cl. 514-419.000.
  Vorbruggen, Helmut; Schwarz, Norbert; Loge, Olaf; Sturzebecher, Claus-Steffen; and Elger, Walter, 4,870,104, Cl. 514-530.000.
Loggers, Hendrik, to Aardelite Holding B.V. Process of pretreating a pozzolanic material for increasing the pozzolanic properties of said material. 4,877,453, 10-31-89, Cl. 106-118.000.
Loggins, C. Jim, to Mayline Company, Inc. Drafting instrument. 4,821,424, 4-18-89, Cl. 33-474.000.
Loggy Bayou Industries: *See—*
  Williams, Ralph D., 4,802,552, Cl. 182-187.000.
Logic Replacement Technology, Limited: *See—*
  Dalzell, David T., 4,875,201, Cl. 368-120.000.
Logical Heating Systems, Inc.: *See—*
  Loeffler, Herbert H., 4,823,770, Cl. 126-362.000.
Logical, Inc.: *See—*
  Soberg, Harry W.; Radtke, David G.; and Pitsenbarger, Lyle R., 4,807,564, Cl. 119-1.000.
Logie, Frank M.; and Potter, James C., to Lucas Industries Public Limited Company. Electromagnetic valve. 4,869,462, 9-26-89, Cl. 251-129.160.
Logimetrics, Inc.: *See—*
  Joy, Edward B., 4,800,387, Cl. 342-165.000.
Login, Robert B.; Hashem, Mohamed M.; and Tracy, David J., to GAF Corporation. Epoxy pyrrolidone based non-ionic surfactants. 4,801,400, 1-31-89, Cl. 252-357.000.
Login, Robert B., to PPG Industries, Inc. Bis-quaternary ammonium compounds. 4,812,263, 3-14-89, Cl. 260-404.50Q.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., to GAF Corporation. Quaternized nitrogen containing compounds. 4,830,850, 5-16-89, Cl. 424-70.000.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., to GAF Corporation. Cosometic compositions containing quaternized nitrogen containing compound. 4,834,970, 5-30-89, Cl. 424-70.000.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., to GAF Corporation. Quaternized nitrogen containing compounds. 4,837,013, 6-6-89, Cl. 424-70.000.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., to GAF Corporation. Quaternized nitrogen containing polycyclic compounds. 4,883,655, 11-28-89, Cl. 424-70.000.

Login, Robert B.: *See—*
  Chaudhuri, Ratan K.; Helioff, Michael W.; and Login, Robert B., 4,803,569, Cl. 512-2.000.
  Chaudhuri, Ratan K.; Tracy, David J.; and Login, Robert B., 4,886,890, Cl. 548-519.000.
  Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., 4,834,767, Cl. 8-416.000.
  Helioff, Michael W.; Bires, Carmen D.; and Login, Robert B., 4,871,535, Cl. 424-71.000.
  Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., 4,830,851, Cl. 424-78.000.
  Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., 4,842,858, Cl. 424-150.000.
  Tracy, David J.; Rizzo, Thomas; and Login, Robert B., 4,885,158, Cl. 424-69.000.
Loginov, Anatoly A.: *See—*
  Milov, Vladimir N.; Loginov, Anatoly A.; Ostrenko, Nikolai S., deceased; Gorsky, Viktor I.; Demyanovich, Nikolai A.; Davletkhanov, Rifkhat B.; Klimets, Sergei N.; Dokshin, Gennady P.; Telyatnikov, Jury A.; Yarkin, Vladislav I.; Ostrenko, Ekaterina A., administrator; Chevalkova, Inna E., administrator; and Stebakova, Alla E., administrator, 4,817,700, Cl. 164-259.000.
Loginov, Boris Z., to Honeywell, Inc. Synchronization method and elastic buffer circuit. 4,823,365, 4-18-89, Cl. 375-118.000.
Logitek, Inc.: *See—*
  Burror, David N.; Opalewski, Daniel J.; and Seymour, James S., 4,851,985, Cl. 364-184.000.
LoGiurato, D. Daniel: *See—*
  Bickler, Donald B.; Henry, Paul K.; and LoGiurato, D. Daniel, 4,815,841, Cl. 356-43.000.
Logman, Timothy M.; Daghe, Joseph L.; Humes, Dennis W.; Floren, Carl E.; and Bouc, Gary L., to Mueller Co. Structure for sealing and affixing a cover on a valve body and method of manufacture. 4,848,730, 7-18-89, Cl. 251-367.000.
Logman, Timothy M.: *See—*
  Floren, Carl E.; and Logman, Timothy M., 4,842,246, Cl. 251-333.000.
Lognone, Francois M.: *See—*
  Dubois, Pierre G.; Lognone, Francois M.; and Pape, Francois J., 4,851,242, Cl. 426-74.000.
Logothetis, Anestis L.: *See—*
  Wagner, Martin G.; and Logothetis, Anestis L., 4,826,731, Cl. 428-422.000.
Logothetis, Eleftherios M.; and Soltis, Richard E., to Ford Motor Company. Oxides of nitrogen detector. 4,840,913, 6-20-89, Cl. 436-116.000.
Logothetis, Eleftherios M.; Hetrick, Robert E.; Soltis, Richard E.; and Vassell, William C., to Ford Motor Company. Oxygen pumping device for control of the air fuel ratio. 4,841,934, 6-27-89, Cl. 123-440.000.
Logothetis, Eleftherios M.: *See—*
  Hurley, Michael D.; Kaiser, William J.; and Logothetis, Eleftherios M., 4,870,025, Cl. 436-141.000.
Logsdon, Duane. Washing machine connection boxes. 4,865,072, 9-12-89, Cl. 137-360.000.
Logsdon, Hubert E. Golf green viewing apparatus. 4,839,968, 6-20-89, Cl. 33-286.000.
Logsdon, John E.; Loke, Richard A.; Merriam, Jay S.; and Voight, Richard W., to Union Carbide Chemicals and Plastics Company Inc. Improved aldehyde hydrogenation process. 4,876,402, 10-24-89, Cl. 568-881.000.
Logsdon, John E.: *See—*
  Vera-Castaneda, Ernesto; and Logsdon, John E., 4,886,919, Cl. 568-885.000.
Logsdon, Nanette J.: *See—*
  Fahrenkrug, Anne M.; Winters, Cathy L.; and Logsdon, Nanette J., 4,847,134, Cl. 428-138.000.
Logsdon, Philip R.: *See—*
  Jung, Richard H.; and Logsdon, Philip R., 4,812,421, Cl. 437-211.000.
Logue, Brian V.; and Rusnack, Theodore J. Joint support for underwater use or for use in a wet environment. 4,887,590, 12-19-89, Cl. 128-80.00C.
Logue, Joseph C., to International Business Machines Corporation. Physical parameter balancing of circuit islands in integrated circuit wafers. 4,802,099, 1-31-89, Cl. 364-491.000.
Logullo, Francis M.: *See—*
  Gay, Frank P.; Logullo, Francis M.; Luise, Robert R.; and Mack, Mark P., 4,886,875, Cl. 525-439.000.
Logus Manufacturing Corp.: *See—*
  Elgass, Manfred; and Colucci, Vincent A., 4,795,929, Cl. 310-36.000.
Loh, Alan E.: *See—*
  Kelderman, Herman F.; Fein, Michael E.; Loh, Alan E.; Adams, Arnold; and Neukermans, Armand P., 4,844,617, Cl. 356-372.000.
Loh, George A. Home tennis practice apparatus. 4,796,886, 1-10-89, Cl. 273-29.00A.
Loh, William, to Chevron Research Company. 2-(1-(5-Halothienylmethoxyimino)ethyl-3-hydroxy-5-(tetrahydro-2H-thiopyranyl)-cyclohex-2-en-1-one herbicides. 4,824,470, 4-25-89, Cl. 71-90.000.
Loh, William; and Bassi, Pawan K., to Chevron Research Company. Chemical tobacco sucker control. 4,828,601, 5-9-89, Cl. 71-78.000.
Lohaus, Gerhard; Dittmar, Walter; Hanel, Heinz; Raether, Wolfgang; Reuschling, Dieter; and Grobel, Bengt-Thomas, to Hoechst Aktiengesellschaft. 1-hydroxy-2-pyridones, a process for their preparation, and medicaments which contain them, and intermediates formed in the preparation of the 1-hydroxy-2-pyridones. 4,797,409, 1-10-89, Cl. 514-345.000.
Lohausen, Viktor. Awning. 4,794,971, 1-3-89, Cl. 160-66.000.
Lohberg, Peter, to Alfred Teves GmbH. Brake system with anti skid control and/or traction slip control. 4,828,332, 5-9-89, Cl. 303-93.000.
Lohberg, Peter: *See—*
  Klein, Hans-Christof; and Lohberg, Peter, 4,869,596, Cl. 374-27.000.
Lohe, Rainer, to Kochs Adler Aktiengesellschaft. Sewing machine with a needle bar jogging frame. 4,829,922, 5-16-89, Cl. 112-310.000.
Loher Aktiengesellschaft: *See—*
  Rosinnes, Meir; Stadler, Hugo; and Strunz, Siegfried, 4,841,218, Cl. 322-24.000.
Lohier, Herve : *See—*
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Lohkamp, Dwight T., to Exxon Chemical Patents Inc. Die design for underwater pelletization of high flow rate polymers. 4,822,546, 4-18-89, Cl. 264-143.000.
Lohlein, Wolf-Dieter; Schettler, Helmut; and Wagner, Otto, to International Business Machines Corporation. Non-clocked static memory cell. 4,845,676, 7-4-89, Cl. 365-154.000.
Lohlein, Wolfdieter: *See—*
  Helwig, Klaus; Lohlein, Wolfdieter; and Tong, Minh H., 4,811,298, Cl. 365-200.000.
Lohman Manufacturing Co., Inc.: *See—*
  Ady, Daniel D., 4,850,925, Cl. 446-207.000.
Lohmann Anlagenbau GmbH: *See—*
  Ostholt, Rudiger; Wahrmann, Jorg; and Becker, Klaus, 4,882,810, Cl. 17-11.000.
Lohmann, Berthold; and Petersen, Erwin, to Wabco Westinghouse Fahrzeugbremsen GmbH. Control system for vehicle anti-locking brake system and drive traction regulation system. 4,819,995, 4-11-89, Cl. 303-110.000.
Lohmann, Wolfgang. Device for measuring eye lens opacity. 4,852,987, 8-1-89, Cl. 351-221.000.
Lohmar, Ernst; and Burak, Gerhard, to Dr. Alois Stankiewicz GmbH. Polyurethane soft foam with sound insulating and vibration damping properties. 4,839,397, 6-13-89, Cl. 521-159.000.
Lohmeijer, Johannes H. G. M.: *See—*
  De Munck, Johannes W. J.; and Lohmeijer, Johannes H. G. M., 4,879,330, Cl. 524-151.000.
Lohmeyer, Hartmut. Chair with a seat and an inherently elastically pliable back rest. 4,856,846, 8-15-89, Cl. 297-300.000.
Lohmuller, Detlef: *See—*
  Glaeser, Karl C.; Lohmuller, Detlef; Tilmans, Heinz; Genuit, Klaus; Cardinal, Joachim; and Buhr, Gerhard, 4,814,632, Cl. 307-116.000.
Lohn, Gerd, to Kaltenbach & Voigt GmbH & Co. Dental spray handpiece. 4,886,452, 12-12-89, Cl. 433-32.000.
Lohn, Gerd, to Kaltenbach & Voigt GmbH & Co. Dental spray handpiece. 4,886,455, 12-12-89, Cl. 433-80.000.
Lohner, Manfred; and Wagener, Hans H., to Dolorgiet Beteiligungs-GmbH. Transdermally absorbable water-containing preparations of arylpropionic acid derivatives and process for preparing same. 4,849,418, 7-18-89, Cl. 514-163.000.
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  Reutler, Herbert; Lohnert, Gunter; and Lukaszewicz, Johannes, 4,795,607, Cl. 376-299.000.
Lohnherr, Ludger; and Holz, Walter, to Krupp Polysius AG. Method and apparatus for crushing material for grinding. 4,889,289, 12-26-89, Cl. 241-18.000.
Lohr & Bromkamp GmbH: *See—*
  Welschof, Hans-Heinrich; Beier, Rudolf; and Hofmann, Norbert, 4,835,829, Cl. 29-159.300.
  Welschof, Hans-Heinrich; and Beier, Rudolf, 4,840,087, Cl. 74-713.000.
  Welschof, Hans-Heinrich, 4,843,864, Cl. 72-355.000.
  Welschof, Hans-Heinrich; and Beier, Rudolf, 4,858,998, Cl. 301-124.00R.
  Welschof, Hans-Heinrich, 4,861,316, Cl. 464-145.000.
  Welschof, Hans-Heinrich; and Schwarzler, Peter, 4,878,882, Cl. 464-144.000.
Lohr, Charles B.: *See—*
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Lohr, Gernot: *See—*
  Blickle, Peter; Hintzer, Klaus; Lohr, Gernot; and Schwertfeger, Werner, 4,808,651, Cl. 524-366.000.
  Schlipf, Michael; Manz, Albrecht; and Lohr, Gernot, 4,859,755, Cl. 526-255.000.
Lohr, Herbert; Stein, Bernd; Becker, Helmut; Ade, Reiner; and Baur, Walter, to Rovema Verpackungsmaschinen GmbH. Driving method and system for controlling a tubular-bag machine. 4,885,900, 12-12-89, Cl. 53-551.000.
Lohr Industrie: *See—*
  Andre, Jean-luc, 4,854,790, Cl. 410-30.000.
Lohr Industrie, S.A.: *See—*
  Donnard, Rene, 4,886,694, Cl. 428-137.000.
Lohr, S.A.: *See—*
  Andre, Jean-Luc; and Fity, Christian, 4,850,767, Cl. 410-9.000.
Lohr, Willy: *See—*
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Lohrberg, Karl; and Kohl, Peter, to Metallgesellschaft Aktiengesellschaft. Electrode assembly for gas-forming electrolyzers. 4,839,013, 6-13-89, Cl. 204-258.000.

- Lohrberg, Karl. Reactor for producing chlorine dioxide. 4,851,198, 7-25-89, Cl. 422-193.000.
- Lohrberg, Karl: *See—*
  - Dworak, Rainer; and Lohrberg, Karl, 4,839,003, Cl. 204-98.000.
- Lohrey, David W.; and Danel, Alexander R. Automated customer interface for services involving drop-off and pickup. 4,803,348, 2-7-89, Cl. 235-381.000.
- Lohrey, Fred H.: *See—*
  - Gillett, John B.; Lohrey, Fred H.; and Lorenzen, Jerry A., 4,879,433, Cl. 174-32.000.
- Lohrmann, Gerhard; Engelhardt, Guenter; and Werner, Thomas, to Mannesmann AG. Printing platen. 4,881,838, 11-21-89, Cl. 400-662.000.
- Lohrum, Anton: *See—*
  - Muller, Fritz; and Lohrum, Anton, 4,862,951, Cl. 165-41.000.
- Lohscheidt, Klaus: *See—*
  - Fleischer, Hans-Joachim; Lohscheidt, Klaus; Gorres, Dieter; and Behr, Friedrich, 4,798,631, Cl. 148-3.000.
- Lohse, Dietmar: *See—*
  - Kothe, Dieter; Krueger, Bernhard; Lohse, Dietmar; Moellers, Gerd; Pleschiutschnigg, Fritz; Reichelt, Wolfgang; Vos-Spilker, Peter; and Wagener, Elmar, 4,830,087, Cl. 164-460.000.
- Lohse, Friedrich: *See—*
  - Finter, Jurgen; Fischer, Walter; and Lohse, Friedrich, 4,849,533, Cl. 549-556.000.
- Lohse, Jurgen. Flexible vessel. 4,875,596, 10-24-89, Cl. 220-403.000.
- Lohse, Walter, to Ulrich Steinemann AG. Apparatus for applying a liquid to a web of material. 4,796,559, 1-10-89, Cl. 118-210.000.
- Loia, John: *See—*
  - Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, 4,831,526, Cl. 364-401.000.
- Loiacano, Marco: *See—*
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- Loiacono, Dominic, to Ala Inc., a New Jersey Corporation. Liquid detector for air pressure type fire sprinkler system. 4,849,739, 7-18-89, Cl. 340-620.000.
- Loiacono, Marco; and Vallarino, Angelo, to Minnesota Mining and Manufacturing Company. Silver halide color photographic elements. 4,822,728, 4-18-89, Cl. 430-551.000.
- Loiotile, Vito S.; Fisch, Michael H.; and Bennett, Paul E., to Argus Chemical Corporation. Stabilizing high density polyethylene containing chromium catalyst residues with 2,2'-ethylidene-bis(4,6-di-t-butylphenol), a solid polyol having five to six carbon atoms, and a tris(alkylaryl) phosphite. 4,814,367, 3-21-89, Cl. 524-151.000.
- Loiseau, Gerard; and Molozay, Maurice. Tap for a cylinder of gas under pressure. 4,815,692, 3-28-89, Cl. 251-14.000.
- Loiseau, Gerard: *See—*
  - Coffre, Eric; Gary, Daniel; di Giulio, Christophe; Loiseau, Gerard; and Torelli, Gerard, 4,836,242, Cl. 137-505.420.
- Loiseaux, Brigitte: *See—*
  - Huignard, Jean-Pierre; Loiseaux, Brigitte; de Monchenault, Gauthier H.; and Puech, Claude, 4,847,521, Cl. 307-425.000.
- Loisel, Jean-Marie: *See—*
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- Loiselle, Andre; and Cadieux, Jacques, to Asten Group, Inc. Apparatus for seaming papermaker's fabric. 4,842,212, 6-27-89, Cl. 242-96.000.
- Loiselle, Andre: *See—*
  - Barrette, Denis; Chakravarty, Rajat; and Loiselle, Andre, 4,862,926, Cl. 139-383.00A.
- Loizeau, Pierre, to Valeo. Clutch unit for motor vehicle. 4,800,996, 1-31-89, Cl. 192-106.100.
- Loizou, Joannis A.: *See—*
  - Maurizi, Ennio S.; and Loizou, Joannis A., 4,841,635, Cl. 30-41.000.
- Lojewski, James R.: *See—*
  - Ulrich, Lawrence W.; and Lojewski, James R., 4,889,581, Cl. 156-443.000.
- Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., to UOP. Processes for the use of cobalt-aluminum-phosphorus-silicon-oxide molecular sieve compositions. 4,824,554, 4-25-89, Cl. 208-46.000.
- Lok, Brent M.; Cannan, Thomas R.; and Flanigen, Edith M., to UOP. Zeolite LZ-133. 4,842,836, 6-27-89, Cl. 423-328.000.
- Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., to UOP. Manganese-aluminum-phosphorus-silicon-oxide Molecular sieves. 4,846,956, 7-11-89, Cl. 208-46.000.
- Lok, Brent M.: *See—*
  - Marcus, Bonita K.; and Lok, Brent M., 4,857,288, Cl. 423-328.000.
- Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., to UOP. Titanium-aluminum-phosphorus-silicon-oxide molecular sieves. 4,801,309, 1-31-89, Cl. 55-35.000.
- Lok, Brent M. T.; Vail, Lawrence D.; and Flanigen, Edith M., to UOP. Iron-aluminum-phosphorus-silicon-oxide molecular sieves. 4,822,478, 4-18-89, Cl. 208-111.000.
- Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., to UOP. Titanium-aluminum-silicon-oxide molecular sieve compositions. 4,869,805, 9-26-89, Cl. 208-111.000.
- Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., to UOP. Hydrocarbon conversion process using titanium-aluminum-phosphorus-silicon-oxide molecular sieves as catalyst. 4,880,520, 11-14-89, Cl. 208-46.000.
- Lok, Brent M. T.; Vail, Lawrence D.; and Flanigen, Edith M., to UOP. Process for the use of magnesium-aluminum-phosphorus-silicon-oxide molecular sieve compositions. 4,882,038, 11-21-89, Cl. 208-111.000.
- Lok, Brent M. T.: *See—*
  - Flanigen, Edith M.; Lok, Brent M. T.; Patton, Robert L.; and Wilson, Stephen T., 4,851,106, Cl. 208-46.000.
  - Flanigen, Edith M.; Lok, Brent M. T.; Patton, Robert L.; and Wilson, Stephen T., 4,888,167, Cl. 423-306.000.
- Lok-Fast, Inc.: *See—*
  - LaTorre, Joseph S., 4,836,062, Cl. 81-55.000.
- Lok, Hin C. Letter opener. 4,803,782, 2-14-89, Cl. 30-294.000.
- Lok, Hin C. Safety letter opener. 4,873,767, 10-17-89, Cl. 30-278.000.
- Lok, Kar P.: *See—*
  - Dunfield, Lawrence G.; and Lok, Kar P., 4,888,983, Cl. 73-104.000.
- Lok, Roger; Gunther, Wolfgang H. H.; and Freeman, John P., to Eastman Kodak Company. Cyclic dichalcogenide fog inhibiting agents for silver halide photography. 4,861,703, 8-29-89, Cl. 430-608.000.
- Loke, Richard A.: *See—*
  - Logsdon, John E.; Loke, Richard A.; Merriam, Jay S.; and Voight, Richard W., 4,876,402, Cl. 568-881.000.
- Loken, Michael R.: *See—*
  - Evans, Elizabeth L.; Gonchoroff, Nick J.; Greipp, Philip R.; Houck, David W.; Katzmann, Jerry A.; Kyle, Robert A.; and Loken, Michael R., 4,885,237, Cl. 435-6.000.
  - Recktenwald, Diether J.; Kerndt, Rickie S.; Loken, Michael R.; and Chen, Chia H., 4,867,908, Cl. 252-408.100.
- Lokken, Ivar, to Moelven Mekaniske Industri A/S. Nozzle head, especially for use in a de-icing device for aircraft. 4,848,666, 7-18-89, Cl. 239-438.000.
- Lokken, Oddvin. Fire damage control system for aircraft. 4,811,793, 3-14-89, Cl. 169-48.000.
- Lokken, Roger C.; and Young, John B., to Minnesota Mining and Manufacturing Company. Abrasive disc support. 4,798,025, 1-17-89, Cl. 51-168.000.
- Loland, Magnus, to Kleven Loland A/S. Sealing means for a high pressure axial piston pump. 4,833,976, 5-30-89, Cl. 92-86.500.
- Loma Linda University Medical Center: *See—*
  - Cole, Francis T.; Livdahl, Philip V.; Mills, Frederick E., III; and Teng, Lee C., 4,870,287, Cl. 250-492.300.
- Lo Maglio, Lewis C.: *See—*
  - Hayes, Thomas H.; and Lo Maglio, Lewis C., 4,836,423, Cl. 222-257.000.
- Lomangino, Michael, to United Technologies Corporation. Radio frequency power modification without phase shift. 4,841,262, 6-20-89, Cl. 333-81.00R.
- Lomapharm, Rudolf Lohmann GmbH KG, Pharmazeutische Fabrik: *See—*
  - Wagner, Hildebert; Zenk, Meinhart H.; and Ott, Holger, 4,857,512, Cl. 514-54.000.
- Lomas, A. Wade: *See—*
  - Bahr, Bradley C.; Lo, Peter Y.; Lomas, A. Wade; and Romeneik, David J., 4,853,474, Cl. 556-445.000.
- Lomas, David A., to UOP. Dual function heat withdrawal apparatus. 4,885,138, 12-5-89, Cl. 422-144.000.
- Lomas, William F.; Margolin, William; and Moglia, Robert F., to Ford New Holland, Inc. Alternate path tractor transmission having a redundant clutch. 4,833,933, 5-30-89, Cl. 74-359.000.
- Lomax, Christopher P. J., to Boeing Company, The. System and method for self-cleaning barrier-type air filter. 4,838,902, 6-13-89, Cl. 55-96.000.
- Lombard, Jose O., to Luis A. Gigueroa. Load-carrying attachment for motor vehicles. 4,880,347, 11-14-89, Cl. 414-542.000.
- Lombard, Serge: *See—*
  - Jeanne, Francis; Lombard, Serge; and Schmidt, Emmanuel, 4,801,359, Cl. 204-1.00T.
- Lombardi, Donald G. Drum pedal movement responsive device to produce electrical signal. 4,819,536, 4-11-89, Cl. 84-1.010.
- Lombardi, Donald G. Adjustable cymbal holder. 4,889,028, 12-26-
  Cl. 84-421.000.
- Lombardi, Massimo: *See—*
  - Santandrea, Luciano; and Lombardi, Massimo, 4,878,292, C
    29-734.000.
- Lombardi, Michael H.: *See—*
  - LaRosa, Joseph P.; and Lombardi, Michael H., 4,811,900, C
    239-10.000.
- Lombardi, Paolo: *See—*
  - Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Sa
    Enrico, 4,808,616, Cl. 514-177.000.
  - Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,810,4
    Cl. 260-397.400.
  - Buzzetti, Franco; Barbugian, Natale; Lombardi, Paolo; and di Sa
    Enrico, 4,824,830, Cl. 514-177.000.
  - Buzzetti, Franco; di Salle, Enrico; and Lombardi, Paolo, 4,840,9
    Cl. 514-177.000.
  - Colombo, Maristella; Buzzetti, Franco; di Salle, Enrico; and Lom
    bardi, Paolo, 4,822,528, Cl. 260-397.300.
  - Crugnola, Angelo; di Salle, Enrico; and Lombardi, Pa
    4,797,411, Cl. 514-357.000.
  - Crugnola, Angelo; di Salle, Enrico; and Lombardi, Pa
    4,847,295, Cl. 514-538.000.
  - Faustini, Franco; di Salle, Enrico; Villa, Vittoria; and Lomba
    Paolo, 4,808,578, Cl. 514-177.000.
  - Longo, Antonio; Orzi, Fabrizio; Lombardi, Paolo; and Colom
    Maristella, 4,865,766, Cl. 260-397.300.
  - Longo, Antonio; and Lombardi, Paolo, 4,876,045, Cl. 260-397.3
  - Villa, Vittoria; di Salle, Enrico; and Lombardi, Paolo, 4,873,2
    Cl. 514-179.000.

- Lombardi, Victor J. Circular knit two-layer upholstery fabric and method. 4,794,767, 1-3-89, Cl. 66-190.000.
- Lombardino, Joseph G.; and Marfat, Anthony, to Pfizer Inc. Benzothiazine dioxide derivatives. 4,829,062, 5-9-89, Cl. 514-226.500.
- Lombardino, Joseph G.: *See—*
  - Crawford, Thomas C.; Keely, Stanley L.; Larson, David L.; Lombardino, Joseph G.; and Maciejko, James J., 4,812,455, Cl. 514-226.500.
  - Crawford, Thomas C.; Keely, Stanley L.; Larson, David L.; Lombardino, Joseph G.; and Maciejko, James J., 4,874,757, Cl. 514-226.500.
- Lombardo, Igino; and Walus, Richard L., to I.L. Med, Inc. Laser head and microscope attachment assembly with swivel capability. 4,856,512, 8-15-89, Cl. 128-303.100.
- Lombardo, James W. Illuminated dart. 4,840,383, 6-20-89, Cl. 273-420.000.
- Lombardo, Leo, to Moore Business Forms, Inc. Return mailer in place of flip window. 4,809,906, 3-7-89, Cl. 229-73.000.
- Lombardo, Leo, to Moore Business Forms, Inc. Fold-over mailer with side-open return envelope with slittable edge. 4,840,306, 6-20-89, Cl. 229-73.000.
- Lombardo, Leonard. Stereo dimensional recording method and microphone apparatus. 4,819,270, 4-4-89, Cl. 381-26.000.
- Lombardo, Philip C. Gun rest for supporting the buttstock. 4,876,814, 10-31-89, Cl. 42-94.000.
- Lombardozzi, Lucio. Thermal panel. 4,810,553, 3-7-89, Cl. 428-116.000.
- Lombardy wife Alric, Monique; and Renaud, Michel, to Centre National de la Recherche Scientifique. Device for detecting on a nitrocellulose sheet the presence of macromolecular complexes, such as antigens/antibodies. 4,828,801, 5-9-89, Cl. 422-102.000.
- Lomberg, Alfons: *See—*
  - Cleve, Peter; and Lomberg, Alfons, 4,831,859, Cl. 72-260.000.
- Lommerzheim, Manfred: *See—*
  - Winkam, Gamjad; and Lommerzheim, Manfred, 4,811,628, Cl. 74-710.500.
- Lomoro, Sandro: *See—*
  - Bini, Dante; Bogliari, Domenico; Lomoro, Sandro; Minozzi, Daniele; Pietrogrande, Stefano; and Zucchi, Dario, 4,796,389, Cl. 52-2.000.
- Lon-Jeng, Lin. Learning aid to enlighten intelligence for children. 4,886,457, 12-12-89, Cl. 434-191.000.
- Lon, Jesus R.; Rivas, Olegario; and Zirczy, Geza N., to Intevep, S.A. Thermal insulating fluid. 4,877,542, 10-31-89, Cl. 252-62.000.
- Lonardi, Emile, to Paul Wurth S.A. Feed hopper for a loading installation of a shaft furnace. 4,812,092, 3-14-89, Cl. 414-199.000.
- Lonardi, Emile; and Mailliet, Pierre, to Paul Wurth S.A. Rolling track for a rotary hopper. 4,812,100, 3-14-89, Cl. 414-199.000.
- Lonardi, Emile, to Paul Wurth, S.A. Mechanism for operating a metering valve. 4,815,696, 3-28-89, Cl. 251-58.000.
- Lonardi, Emile; Kirchen, Michael; and Kremer, Victor, to Paul Wurth S.A. Automated apparatus for lining the wall of a vessel with bricks. 4,827,689, 5-9-89, Cl. 52-749.000.
- Lonardi, Emile; and Mailliet, Pierre, to Paul Wurth S.A. Mechanism for actuating an opening and shut-off valve. 4,844,292, 7-4-89, Cl. 222-503.000.
- Lonardi, Emile; and Mailliet, Pierre, to Paul Wurth S.A. Supporting framework for a loading installation of a shaft furnace. 4,859,131, 8-22-89, Cl. 414-200.000.
- Lonardi, Emile, to Paul Wurth S.A. Method and apparatus for correcting the falling path in a loading installation of a shaft furnace. 4,878,797, 11-7-89, Cl. 414-161.000.
- Lonardi, Emile: *See—*
  - Legille, Edouard; Lonardi, Emile; and Schilz, Germain, 4,820,105, Cl. 414-200.000.
  - Legille, Edouard; and Lonardi, Emile, 4,821,998, Cl. 251-58.000.
  - Legille, Edouard; Lonardi, Emile; and Schilz, Germain, 4,822,229, Cl. 414-21.000.
  - Legille, Edouard; and Lonardi, Emile, 4,889,008, Cl. 74-520.000.
  - Mailliet, Pierre; Lonardi, Emile; and Cimenti, Giovanni, 4,889,004, Cl. 74-479.000.
- Lonardo, Robert. Combination arm splint and finger support means. 4,840,168, 6-20-89, Cl. 128-77.000.
- Lonardo, Robert. Knee contracture correction device. 4,848,326, 7-18-89, Cl. 128-80.00F.
- Lonardo, Robert, to Lonardo, Robert. Means for positioning bedfast patients. 4,872,226, 10-10-89, Cl. 5-61.000.
- Lonardo, Vincent P. Automatically controlled water buoyant pollution-skimmer-and-recovery system. 4,797,210, 1-10-89, Cl. 210-242.300.
- Lonati, Francesco, to Lonati S.p.A. Device for selecting the needles in a knitting machine, particularly for stockings. 4,838,049, 6-13-89, Cl. 66-222.000.
- Lonati, Francesco, to Lonati S.p.A. Device for selecting needles in circular knitting machines for hosiery and the like. 4,856,300, 8-15-89, Cl. 66-221.000.
- Lonati S.p.A.: *See—*
  - Lonati, Francesco, 4,838,049, Cl. 66-222.000.
  - Lonati, Francesco, 4,856,300, Cl. 66-221.000.
- Lonberg, Nils: *See—*
  - Meade, Harry; and Lonberg, Nils, 4,873,316, Cl. 530-412.000.
- Lonberger, Jeffery D. Shower curtain fastening arrangement. 4,825,481, 5-2-89, Cl. 4-608.000.
- Lonca, Michel: *See—*
  - Fourez, Michel; Lonca, Michel; and Pichant, Patrick, 4,799,959, Cl. 106-1.160.
- Lonchampt, Michel: *See—*
  - Regnier, Gilbert; Guillonneau, Claude; Duhault, Jacques; and Lonchampt, Michel, 4,824,836, Cl. 514-278.000.
- Lonczak, John. Mannequin formed of sheet material. 4,798,317, 1-17-89, Cl. 223-66.000.
- Londeck, Paul B.; Sarti, Robert F.; and Aho, Jack R., to General Motors Corporation. Frameless glass system for vehicle door. 4,835,908, 6-6-89, Cl. 49-377.000.
- Londeck, Paul B.; Novak, Dale L.; and Wood, Vincent J., to General Motors Corporation. Latch mechanism for removable roof closure. 4,869,549, 9-26-89, Cl. 296-224.000.
- Londeen, Gilbert E.: *See—*
  - Smith, Stephen W.; Londeen, Gilbert E.; and Lair, Christopher, 4,875,552, Cl. 187-1.00R.
  - Smith, Stephen W.; Londeen, Gilbert E.; and Lair, Christopher, 4,875,553, Cl. 187-1.00R.
- Londino, Joseph M., Jr., to United States of America, Navy. Apparatus and method for locating the axis of symmetry (center of circular cross section) of three dimensional objects. 4,878,296, 11-7-89, Cl. 33-227.000.
- London & Egazarian Associates, Inc.: *See—*
  - Kmetz, Joseph J., 4,852,715, Cl. 198-370.000.
- London Harness & Cable Corp.: *See—*
  - London, Norman H.; Greene, Leonard S.; and Falgoust, Lee J., 4,836,804, Cl. 439-598.000.
- London, Norman H.; Greene, Leonard S.; and Falgoust, Lee J., to London Harness & Cable Corp. Electrical connector. 4,836,804, 6-6-89, Cl. 439-598.000.
- London & Scandinavian Metallurgical Co. Limited: *See—*
  - Banerji, Abinash; and Reif, Winfried, 4,842,821, Cl. 420-528.000.
- Lonergan, Kevin J., to Digital Equipment Corporation. Lossless overcurrent sensing circuit for voltage regulator. 4,841,219, 6-20-89, Cl. 323-274.000.
- Long, Alden O., Jr.; and Volinskie, Robert, to AMP Incorporated. Method and apparatus for assembly of electrical cable. 4,796,358, 1-10-89, Cl. 29-863.000.
- Long, Alden O., Jr., to AMP Incorporated. Harness-making machine having improved cable guide. 4,839,962, 6-20-89, Cl. 29-749.000.
- Long, Aubrey D., Jr.: *See—*
  - Ledtje, Marvin L.; and Long, Aubrey D., Jr., 4,862,907, Cl. 137-1.000.
- Long, Barry W., to Goodyear Tire & Rubber Company, The. Conveyor belt. 4,813,533, 3-21-89, Cl. 198-847.000.
- Long, Benjamin E., to United Technologies Electro Systems, Inc. Double insulated motor including a magnet retainer. 4,795,932, 1-3-89, Cl. 310-154.000.
- Long, Carl K.; and Kozel, George E., to Long, Carl K. Evaporative cooler apparatus. 4,798,060, 1-17-89, Cl. 62-310.000.
- Long, Charles A., Jr., to Long Technologies, Inc. Remotely controlled articulatable hydraulic cutter apparatus. 4,819,721, 4-11-89, Cl. 166-55.000.
- Long, Charles F.; McCauley, Phillip F.; and Boyer, Robert C., to General Motors Corporation. Logic valving for a transmission control. 4,827,806, 5-9-89, Cl. 74-869.000.
- Long, Clifford D.: *See—*
  - Long, Richard D.; Long, David L.; Long, Clifford D.; and Clark, Kenneth E., 4,870,946, Cl. 125-13.00R.
- Long, D. Clayton, to MacGregor Golf Company. Set of golf irons. 4,802,672, 2-7-89, Cl. 273-77.00A.
- Long, D. Clayton, to MacGregor Golf Company. Golf irons. 4,854,581, 8-8-89, Cl. 273-77.00A.
- Long, D. Clayton, to MacGregor Golf Company. Golf irons. 4,858,929, 8-22-89, Cl. 273-77.00A.
- Long, David C.: *See—*
  - Fleet, Russell W.; Long, David C.; Stroms, Karl F.; and Weiss, Gerhard, 4,821,614, Cl. 83-100.000.
- Long, David D.: *See—*
  - Hyne, Joseph H.; Cyvas, Matthew K.; and Long, David D., 4,815,770, Cl. 285-140.000.
- Long, David L.: *See—*
  - Long, Richard D.; Long, David L.; Long, Clifford D.; and Clark, Kenneth E., 4,870,946, Cl. 125-13.00R.
- Long, David M., Jr., to Fluoromed Pharmaceutical, Inc. Brominated perfluorocarbon emulsions for internal animal use for contrast enhancement and oxygen transport. 4,865,836, 9-12-89, Cl. 424-5.000.
- Long, Delmar D. Leak containment system for underground storage tanks. 4,844,287, 7-4-89, Cl. 220-429.000.
- Long, Eliot R., to Miply Equipment, Inc. Method and apparatus for compressing a self-supported web. 4,826,555, 5-2-89, Cl. 156-324.000.
- Long, Eliot R., to Miply Equipment, Inc. Pattern forming saturator and method. 4,849,261, 7-18-89, Cl. 427-282.000.
- Long Enterprises Pty. Ltd.: *See—*
  - Long, Geoffrey E., 4,798,389, Cl. 273-411.000.
- Long, Eugene C.; Kubitschek, James E.; and Horacek, Stephen M., to Ball Corporation. Motion analysis tool and method therefor. 4,860,096, 8-22-89, Cl. 358-101.000.
- Long, Gary N.; Pellet, Regis J.; and Rabo, Jule A., to UOP. Conversion of crude oil feeds. 4,803,184, 2-7-89, Cl. 502-63.000.
- Long, Gary N.: *See—*
  - Gortsema, Frank P.; Pellet, Regis J.; Springer, Albert R.; Rabo, Jule A.; and Long, Gary N., 4,818,739, Cl. 502-67.000.
  - Gortsema, Frank P.; Pellet, Regis J.; Springer, Albert R.; Rabo, Jule A.; and Long, Gary N., 4,857,495, Cl. 502-214.000.
  - Pellet, Regis J.; Gortsema, Frank P.; Long, Gary N.; and Rabo, Jule A., 4,804,647, Cl. 502-66.000.

- Pellet, Regis J.; Coughlin, Peter K.; Staniulis, Mark T.; Long, Gary N.; and Rabo, Jule A., 4,842,714, Cl. 208-114.000.
- Pellet, Regis J.; Coughlin, Peter K.; Staniulis, Mark T.; Long, Gary N.; and Rabo, Jule A., 4,859,314, Cl. 208-114.000.
- Pellet, Regis J.; Rabo, Jule A.; Long, Gary N.; Gortsema, Frank P.; and Springer, Albert R., 4,880,760, Cl. 502-67.000.

Long, Geoffrey E., to Long Enterprises Pty. Ltd. Apparatus for playing indoor baseball indoor soft ball or indoor tee-ball. 4,798,389, 1-17-89, Cl. 273-411.000.

Long, Geoffrey R.: *See—*
- Mills, Peter S.; and Long, Geoffrey R., 4,798,628, Cl. 106-104.000.

Long, George S., III: *See—*
- Salter, Richard J., Jr.; and Long, George S., III, 4,857,924, Cl. 340-973.000.

Long, Gregory E.: *See—*
- Kyrtsos, Christos T.; and Long, Gregory E., 4,866,419, Cl. 340-443.000.

Long, Gregory F.: *See—*
- Halvorsen, Robert M.; Bradley, Jerome R.; and Long, Gregory F., 4,831,700, Cl. 29-156.70R.

Long, Harlan B.: *See—*
- DiMarchi, Richard D.; and Long, Harlan B., 4,835,254, Cl. 530-345.000.

Long, Jacques: *See—*
- Crinquette, Jean-Marie; and Long, Jacques, 4,887,941, Cl. 417-2.000.

Long, James C., to First Pacific Networks. Method and apparatus for demodulating a class of M-ary phase shift keyed (PSK) signals. 4,881,246, 11-14-89, Cl. 375-84.000.

Long, James M.: *See—*
- Tuthill, Richard S.; Long, James M.; Larson, Robert H.; and Clark, Terry A., 4,815,664, Cl. 239-404.000.

Long, Jeffrey M.: *See—*
- McGinley, Patton H.; and Long, Jeffrey M., 4,833,335, Cl. 250-518.100.

Long, John B. Conveyor belt cross-stream sampling system and method. 4,796,476, 1-10-89, Cl. 73-863.910.

Long, John B. Conveyor belt cross-stream sampling system and method. 4,884,462, 12-5-89, Cl. 73-863.910.

Long, John D.: *See—*
- Foley, Daniel M.; Snyder, Michael D.; and Long, John D., 4,875,527, Cl. 172-248.000.

Long, John V.: *See—*
- Gagliani, John; and Long, John V., 4,842,948, Cl. 428-473.500.
- Gagliani, John; and Long, John V., 4,842,949, Cl. 428-473.500.

Long, Jon; and Sahakian, V. K., to LSI Logic Corporation. Support assembly for integrated circuits. 4,800,419, 1-24-89, Cl. 357-70.000

Long, Judith A.: *See—*
- Johnston, Wilbur D., Jr.; Karlicek, Robert F., Jr.; Long, Judith A.; and Wilt, Daniel P., 4,888,624, Cl. 357-16.000.

Long, Karen C.: *See—*
- Huddleston, Elwyn; and Long, Karen C., 4,797,322, Cl. 428-355.000.

Long, Kenneth J.; and Formby, Bobby W., to Motorola, Inc. Filler strips. 4,836,371, 6-6-89, Cl. 206-334.000.

Long, Larry D.; and Lucero, Noel. Coaxial cable tracer and tester. 4,864,225, 9-5-89, Cl. 324-133.000.

Long, Lawrence H.: *See—*
- Edwards, Robert B.; Dalrymple, Bruce H.; Long, Lawrence H.; Meisner, Paul; Bacon, Forrest C.; Pribbernow, Dale E.; and Warner, William L., 4,821,820, Cl. 177-25.180.

Long, Lawrence J.; and Henrickson, James A., to Westinghouse Electric Corp. Counterflow electromagnetic stirring method and apparatus for continuous casting. 4,877,079, 10-31-89, Cl. 164-468.000.

Long, Margaret N.: *See—*
- Chai, Bruce H.; Lai, Shui T.; and Long, Margaret N., 4,841,530, Cl. 372-41.000.

Long, Marshall. Continuous conveying apparatus. 4,796,745, 1-10-89, Cl. 198-407.000.

Long, Michael; Palone, Thomas W.; and Kemp, Paul, to Eastman Kodak Company. Web center-guiding apparatus. 4,889,269, 12-26-89, Cl. 226-97.000.

Long, Michael E.; and Johnson, David A., to Eastman Kodak Company. Pulsed constant current source for continuous tone resistive ribbon printers. 4,800,399, 1-24-89, Cl. 346-76.0PH.

Long, Michael E., to Eastman Kodak Company. Image or pattern transfer optical system for thermal dye transfer apparatus. 4,804,977, 2-14-89, Cl. 346-76.00L.

Long, Michael E., to Eastman Kodak Company. Ultrasonic dye image fusing. 4,879,564, 11-7-89, Cl. 346-25.000.

Long, Michael E.: *See—*
- Citta, Richard W.; Long, Michael E.; and Mutzabaugh, Dennis M., 4,885,776, Cl. 380-15.000.

Long, Norris R.: *See—*
- Gordon, Michael D.; and Long, Norris R., 4,796,991, Cl. 356-125.000.

Long, Oscar C., Jr. Hair roller and rotating apparatus. 4,884,583, 12-5-89, Cl. 132-238.000.

Long, Randy: *See—*
- Stearns, Norman K.; Wagoner, William K.; Long, Randy; and DiMarzio, Frank, 4,832,675, Cl. 493-128.000.

Long, Ray S., to Dow Chemical Company, The. Polyamine-polyglycol inhibitor for steel pickling. 4,873,014, 10-10-89, Cl. 252-148.000.

Long, Richard A.: *See—*
- DeMeritt, Jeffery A.; and Long, Richard A., 4,834,494, Cl. 350-96.210.

Long, Richard D.; Long, David L.; Long, Clifford D.; and Clark Kenneth E., to Longco, Inc. Fluid-cooled apparatus for cutting concrete material and the like. 4,870,946, 10-3-89, Cl. 125-13.00R.

Long, Richard J.; and Petruzella, James J., to Gentex Corporation. Helmet suspension with integrated crown straps and headband. 4,833,735, 5-30-89, Cl. 2-419.000.

Long, Richard J.; and Zaccone, Joseph J., to Gentex Corporation. Dual-visor assembly with selective left-handed or right-handed actuation. 4,887,320, 12-19-89, Cl. 2-424.000.

Long, Richard J.: *See—*
- Aileo, Jackson A.; Long, Richard J.; Zaccone, Joseph J.; and Petruzella, James J., 4,847,920, Cl. 2-424.000.

Long, Richard W.; and Stinton, Robert T., to Diving Unlimited International, Inc. Underwater diver's dry suit having a permanently compressed cellular layer. 4,882,785, 11-28-89, Cl. 2-2.10R.

Long, Robert J.; and Stapleton, Alan L., to Quantel Limited. Graphics system for video and printed images. 4,829,455, 5-9-89, Cl. 364-521.000.

Long, Robert T., to Thermomass Technology, Inc. Snaplock retainer mechanism for insulated wall construction. 4,805,366, 2-21-89, Cl. 52-309.110.

Long, Robert T., to Thermomass Technology, Inc. Connecting rod mechanism for an insulated wall construction. 4,829,733, 5-16-89, Cl. 52-309.110.

Long, Roger W.: *See—*
- Jennings, Lois R.; and Long, Roger W., 4,860,903, Cl. 211-4.000.

Long, Ronald J., to Siemens-Pacesetter, Inc. Adjustable template for pacemaker ECG analysis and method of use. 4,884,345, 12-5-89, Cl. 33-1.00C.

Long Technologies, Inc.: *See—*
- Long, Charles A., Jr., 4,819,721, Cl. 166-55.000.

Long, Thomas E., to Shell Oil Company. Waxy buildup measurement. 4,857,736, 8-15-89, Cl. 250-358.100.

Long, Timothy P. Mailbox. 4,844,332, 7-4-89, Cl. 232-17.000.

Long, William B., to AMP Incorporated. Channel outlet. 4,872,84 10-10-89, Cl. 439-209.000.

Long, William B.: *See—*
- Beamenderfer, Robert E.; Long, William B.; and Shuey, John R. 4,880,388, Cl. 439-108.000.
- Fleak, David S.; Koegel, Keith S.; Long, William B.; Moist, Stanford C., Jr.; and Nauman, Warren D., 4,875,877, Cl. 439-497.00

Long, William W., III, to Pangborn Corporation. Disc cleaner 4,875,309, 10-24-89, Cl. 51-419.000.

Longardner, Robert L., to Columbia Energy Storage, Inc. Compressed gas system and method. 4,849,648, 7-18-89, Cl. 290-54.000.

Longbottom, Karl; Whiteley, Norman; and Bagnall, Paul J. H., to Peerless Plastics Packaging, Ltd. Lidded containers. 4,819,824 4-11-89, Cl. 220-266.000.

Longbottom, Karl: *See—*
- Whiteley, Norman; Bagnall, Paul J. H.; and Longbottom, Karl 4,795,597, Cl. 264-22.000.

Longbrake, Beth A.: *See—*
- Foster, Robert I.; and Longbrake, Beth A., 4,856,004, Cl. 371-37.000.

Longco, Inc.: *See—*
- Long, Richard D.; Long, David L.; Long, Clifford D.; and Clark Kenneth E., 4,870,946, Cl. 125-13.00R.

Longenbach, Gary F.: *See—*
- Aseltine, Leroy G.; and Longenbach, Gary F., 4,834,913, Cl. 252-601.000.

Longenecker, Francis S.; Moeder, Kevin J.; and Wolff, Jeffrey L., to TE-CO. Workpiece securing apparatus for a machine tool. 4,821,24 5-9-89, Cl. 269-47.000.

Longerich, Ernest P.; and D'Agostino, Saverio A., to Hughes Aircraft Company. Cooling system for electronic assembly. 4,888, 12-19-89, Cl. 361-385.000.

Longerot, Raymond E. Shotgun choke container/wrench. 4,837,9 6-13-89, Cl. 42-90.000.

Longfield, Ross N., to Beneficial Management Corporation of America. Electronic income tax refund early payment system. 4,890,22 12-26-89, Cl. 364-408.000.

Longhi, Sergio: *See—*
- Luddy, Francis E.; and Longhi, Sergio, 4,839,191, Cl. 426-607.0
- Luddy, Francis E.; and Longhi, Sergio, 4,880,658, Cl. 426-607.0

Longhurst, Keith G.: *See—*
- Thoburn, John G.; and Longhurst, Keith G., 4,821,476, Cl. 52-238.100.

Longino, Marc A.: *See—*
- Counsell, Raymond E.; Longino, Marc A.; Weichert, Jamey P.; and Schwendner, Susan P., 4,873,075, Cl. 424-1.100.

Longinow, Nicholas E.: *See—*
- Bangs, Edmund R.; Longinow, Nicholas E.; and Blaha, James L. 4,877,940, Cl. 219-124.340.

Longley, James B., Jr. Portable, collapsible field stove. 4,794,9 1-3-89, Cl. 126-9.00R.

Longley, Kathryn L.: *See—*
- Gambale, Ronald J.; Hathaway, Susan J.; Longley, Kathryn L.; and Ullman, Timothy J., 4,853,458, Cl. 528-198.000.

Longman, Robert J.; Helfet, Peter R.; and Storey, Philip A., to Plas Data Systems, Inc. Pre-formatted moth-eye type optical data storage member and method. 4,866,696, 9-12-89, Cl. 369-275.000.

Longman, Robert J.: *See—*
- Gardner, Keith; Longman, Robert J.; Pettigrew, Robert M.; and Welford, Walter T., 4,802,736, Cl. 350-163.000.

Longmire, Daniel Q.: *See—*
- Allard, Edward F.; and Longmire, Daniel Q., 4,838,863, Cl. 604-110.000.

Longmore, Donald B. Fluid flow monitoring. 4,816,763, 3-28-89, Cl. 324-306.000.

Longmore, Donald B. Surgical catheters with suturing device and NMR opaque material. 4,827,931, 5-9-89, Cl. 128-334.00R.

Longmore, Wayne D.; and Acker, Peter J. Method of removing material from the stomach using a collapsible funnel. 4,822,338, 4-18-89, Cl. 604-54.000.

Longo, Antonio; Orzi, Fabrizio; Lombardi, Paolo; and Colombo, Maristella, to Farmitalia Carlo Erba S.p.A. Process for the preparation of 4-amino-androstenedione derivatives. 4,865,766, 9-12-89, Cl. 260-397.300.

Longo, Antonio; and Lombardi, Paolo, to Farmitalia Carlo Erba S.p.A. Process for the preparation of methylene derivatives of androsta-1,4-diene-3,17-dione. 4,876,045, 10-24-89, Cl. 260-397.300.

Longo, Antonio: *See—*
- Pozzi, Franco; Longo, Antonio; and Carenzi, Angelo, 4,869,900, Cl. 424-94.100.

Longo, Giovanni: *See—*
- Bianchin, Eugenio; Longo, Giovanni; and Lunardon, Gian F., 4,841,095, Cl. 560-115.000.

Longo, John M.: *See—*
- Kroeger, Michael K.; Longo, John M.; Steiger, Ronald P.; and Leung, Peter K., 4,876,512, Cl. 324-376.000.

Longo, Robert T.; and Adler, Edward A., to Hughes Aircraft Company. Gas pressure measurement device. 4,833,921, 5-30-89, Cl. 73-753.000.

Longo, William E.; McCluskey, Richard A.; and Goldberg, Eugene P., to University of Florida. Magnetically responsive, hydrophilic microspheres for incorporation of therapeutic substances and methods of preparation thereof. 4,871,716, 10-3-89, Cl. 514-2.000.

Longo, William J. Coating dispensing cartridge and spout therefor. 4,872,778, 10-10-89, Cl. 401-266.000.

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- Castellini, Carlo; and Longobardi, Giuseppe, 4,805,671, Cl. 139-370.200.

Longoni, Andrea. Binding device for snow boards. 4,856,808, 8-15-89, Cl. 280-617.000.

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- Curley, Charles M.; and Longrod, Scott J., 4,818,828, Cl. 200-5.00A.
- Curley, Charles M.; and Longrod, Scott J., 4,855,548, Cl. 200-345.000.

Longsdorf, Randy J., to Rosemount Inc. Two-wire transmitter with threshold detection circuit. 4,804,958, 2-14-89, Cl. 340-870.070.

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- Lang, Gordon R.; and Longstaff, Fred M., 4,882,726, Cl. 370-24.000.

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- Dequatre, Claude; Blanpain, Peter R. J.; and Longuet, Michel, 4,855,337, Cl. 523-201.000.
- Seguin, Frederick P.; and Longuet, Michel, 4,837,252, Cl. 523-351.000.

Longyear Company: *See—*
- Lang, Alan F., 4,823,890, Cl. 175-318.000.
- Thompson, Terrence L., 4,800,969, Cl. 175-246.000.
- Thompson, Terrence L., 4,834,198, Cl. 175-244.000.

Lonie, Susan J., to United Kingdom Atomic Energy Authority. Liquid-liquid extraction columns. 4,832,923, 5-23-89, Cl. 422-256.000.

Loniello, Peter J., to DRI Steem Humidifier Co. Level control structure with probes. 4,879,902, 11-14-89, Cl. 73-304.00R.

Lonis, Carolus J. M.; and Nieuwenhuis, Klaas, to Akzo N.V. Method of applying a road marking composition. 4,839,198, 6-13-89, Cl. 427-137.000.

Lonn, Alan H.; and Nelson, Daniel W., to Caterpillar Inc. Bit assembly utilizing carbide insert. 4,883,129, 11-28-89, Cl. 172-777.000.

Lonn, Albert H. R., to General Electric Company. Computer tomographic phantom. 4,870,666, 9-26-89, Cl. 378-18.000.

Lonnecke, Karl H.: *See—*
- Maier, Lorenz; Buchler, Wilhelm; Neumann, Harald; and Lonnecke, Karl H., 4,856,173, Cl. 29-445.000.

Lonnemo, Kurt R., to Vickers, Incorporated. Power transmission. 4,811,650, 3-14-89, Cl. 91-461.000.

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- Axinger, Jan; Bergman, Bernt-Olov; Johansson, Ingemar; Lonnermo, Tomas; Paulsson, Lars; and Persson, Per-Olof, 4,829,903, Cl. 102-384.000.

Lonon, Edward M. Body suit and underparts with self-gripping fasteners. 4,835,795, 6-6-89, Cl. 2-408.000.

Lonseal Corporation: *See—*
- Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, 4,797,426, Cl. 521-93.000.
- Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, 4,800,214, Cl. 521-84.100.

Lonza Inc.: *See—*
- Kramer, Colleen M.; Landeryou, Victor; and Schaeufele, Peter J., 4,816,282, Cl. 426-549.000.
- Rosen, Marvin; and Iandoli, Kenneth J., 4,844,891, Cl. 424-76.400.

Lonza Ltd.: *See—*
- Bergamin, Renzo; and Quittmann, Wilhelm, 4,808,735, Cl. 549-329.000.
- Dietrich, Rainer; Burkardt, Norbert; and Kuhn, Peter, 4,847,029, Cl. 264-175.000.
- McGarrity, John; Tenud, Leander; and Meul, Thomas, 4,851,540, Cl. 548-110.000.
- McGarrity, John; Tenud, Leander; and Meul, Thomas, 4,873,339, Cl. 548-110.000.
- McGarrity, John; and Tenud, Leander, 4,876,350, Cl. 548-110.000.
- Mettler, Hanspeter, 4,827,015, Cl. 558-453.000.
- Meul, Thomas, 4,812,578, Cl. 548-544.000.
- Meul, Thomas; and McGarrity, John, 4,824,966, Cl. 548-544.000.
- Meul, Thomas, 4,843,166, Cl. 548-544.000.
- Meul, Thomas, 4,849,528, Cl. 548-544.000.
- Meul, Thomas, 4,855,451, Cl. 548-544.000.
- Meul, Thomas, 4,868,314, Cl. 548-547.000.
- Meul, Thomas, 4,877,884, Cl. 548-544.000.
- Meul, Thomas, 4,879,393, Cl. 548-544.000.
- Muel, Thomas; Tenud, Leander; Duc, Laurent; and McGarrity, John, 4,880,940, Cl. 548-544.000.
- O'Murchu, Colm, 4,831,139, Cl. 544-323.000.
- Periard, Jacques; Staub, Hans R.; and Lanini, Marco, 4,808,324, Cl. 252-23.000.
- Periard, Jacques; and Wissler, Mathis, 4,810,600, Cl. 429-224.000.
- Tenud, Leander; Miller, Raimund; and Jackson, Barry, 4,801,750, Cl. 564-199.000.

Lonza-Werke GmbH: *See—*
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Loo, David K.: *See—*
- Karmel, Amir; Loo, David K.; and Rillings, James H., 4,829,434, Cl. 364-424.100.

Loo, Shu: *See—*
- Anderson, George E.; and Loo, Shu, 4,864,847, Cl. 73-40.700.

Loock, Manfred: *See—*
- Wolters, Martin; Wilde, Rolf; and Loock, Manfred, 4,800,682, Cl. 51-33.00W.

Loodberg, Jan A. T.: *See—*
- Siwersson, Olle L.; Wall, Arne E.; and Loodberg, Jan A. T., 4,803,932, Cl. 110-260.000.

Loof, Lennart: *See—*
- Jorneus, Lars; Loof, Lennart; and Rangert, Bo, 4,824,372, Cl. 433-174.000.

Look, Art; and Valenti, Joseph. Portable traffic barrier. 4,852,511, 8-1-89, Cl. 116-63.00P.

Look, David C.; and Pimentel, Eileen, to Wright State University. Method and apparatus for measuring photoresistivity and photo hall-effect of semiconductor wafers. 4,816,755, 3-28-89, Cl. 324-158.00R.

Look, David C.; and Pimentel, Eileen, to Wright State University. Method and apparatus for measuring average resistivity and hall-effect of semiconductor wafers. 4,857,839, 8-15-89, Cl. 324-158.00R.

Look, Gunter: *See—*
- Fey, Rainer; Look, Gunter; and Dumbser, Gerhard, 4,862,395, Cl. 364-561.000.
- Gerstner, Richard; Look, Gunter; Seybold, Werner; and Steuer, Werner, 4,800,634, Cl. 29-159.300.
- Schwerdhofer, Hans J.; Jager, Johannes; Gerstner, Richard; and Look, Gunter, 4,820,979, Cl. 324-171.000.

Look, Katherine: *See—*
- Mattes, M. Jules; Lewis, John L., Jr.; Old, Lloyd J.; Floyd, Kenneth O.; and Look, Katherine, 4,863,854, Cl. 435-7.000.

LookingGlass Technology, Inc.: *See—*
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Loomans, Bernard A.; and Kowalczyk, James E., to APV Chemical Machinery Inc. Self-wiping continuous mixer with enlarged bore section. 4,826,323, 5-2-89, Cl. 366-85.000.

Loomans, David: *See—*
- Gehring, Andrew A.; and Loomans, David, 4,815,396, Cl. 108-149.000.

Loomans, Maurice E.; Matthews, Randall S.; and Miller, Joseph A., to Procter & Gamble Company, The. Tert-butylphenyl compounds useful as anti-inflammatory agents. 4,847,303, 7-11-89, Cl. 514-689.000.

Loomans, Maurice E.: *See—*
- Dobson, Roy L. M.; Loomans, Maurice E.; Matthews, Randall S.; and Miller, Joseph A., 4,849,428, Cl. 549-307.000.

Loomis, Carson: *See—*
- Bell, Robert M.; Loomis, Carson; and Hannun, Yusuf, 4,816,450, Cl. 514-25.000.

Loomis, Gary L.: *See—*
- Murdoch, Joseph R.; and Loomis, Gary L., 4,800,219, Cl. 525-413.000.

Loomis, Harry: *See—*
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Loomis International: *See—*
- Pate, Charles D.; Young, Bob R.; and Plata, Hector, 4,852,393, Cl. 73-49.500.

Loomis, Russell M., to Favata, Joseph K. Tension mounting system and assembly. 4,800,947, 1-31-89, Cl. 160-368.100.

Looms, John S. T.: *See—*
- Clabburn, Robin J. T.; and Looms, John S. T., 4,845,318, Cl. 174-178.000.
- Seabourne, Judith L.; and Looms, John S. T., 4,827,081, Cl. 174-139.000.

Loon, Jimmy: *See—*
- Terasaki, Paul I.; Loon, Jimmy; Hardiwidjaja, Steven; and El-Awar, Nadim, 4,797,475, Cl. 530-387.000.

- Loonam, Peter A., to American Standard Inc. Method of and apparatus for reconditioning railway car draft gears. 4,809,419, 3-7-89, Cl. 29-402.040.
- Looney, Brian B.: *See—*
  - Corey, John C.; Looney, Brian B.; and Kaback, Dawn S., 4,832,122, Cl. 166-266.000.
- Looney, Catharine E.: *See—*
  - Blanchet-Fincher, Graciela B.; Fincher, Curtis R., Jr.; Cheung, Lawrence K.; Dessauer, Rolf; and Looney, Catharine E., 4,818,660, Cl. 430-281.000.
- Looney, Dwight E.: *See—*
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- Looney, Gary W.: *See—*
  - Jastrzebski, Lubomir L.; Looney, Gary W.; and Patterson, David L., 4,824,698, Cl. 427-255.000.
- Loop-A-Line, Inc.: *See—*
  - McGahee, Welbourne D., 4,841,665, Cl. 43-42.240.
  - McGahee, Welbourne D.; and Campbell, John W., 4,862,628, Cl. 43-42.240.
  - McGahee, Welbourne D.; and Campbell, John W., 4,873,783, Cl. 43-42.240.
- Loopere, Valdeko V.: *See—*
  - Tjumanok, Alexei N.; Tamm, Yaan V.; Saul, Andres I.; and Loopere, Valdeko V., 4,813,619, Cl. 241-80.000.
- Loori, Phillip E. Portable topical hyperbaric apparatus. 4,801,291, 1-31-89, Cl. 604-23.000.
- Loos, Herbert: *See—*
  - Erhardt, Manfred; and Loos, Herbert, 4,799,473, Cl. 125-11.0CD.
- Loos, Horst, to Siegenia-Frank KG. Tilt-lock device. 4,800,678, 1-31-89, Cl. 49-394.000.
- Loos, Horst, to Siegenia-Frank KG. Overlapping connection. 4,861,183, 8-29-89, Cl. 403-354.000.
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- Loosdregt, Henri: *See—*
  - Rappart, Alain; Loosdregt, Henri; Persohn, Paul; and Persohn, Philippe, 4,819,482, Cl. 73-201.000.
- Loose, Guenter H.; and Bush, Bradley S., to Eastman Kodak Company. Film packet holder. 4,821,055, 4-11-89, Cl. 354-282.000.
- Loose, Guenter H.: *See—*
  - Armbruster, Randy E.; Brock, Blanchard M.; Bushnell, Timothy L.; and Loose, Guenter H., 4,821,054, Cl. 354-282.000.
- Loose, Winfield W.: *See—*
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- Loosemore, John C., to Brian Christopher Coupe. Sample splitter. 4,817,442, 4-4-89, Cl. 73-863.560.
- Loosen, Peter: *See—*
  - Herziger, Gerd; Beyer, Eckhard; Loosen, Peter; and Poprawe, Reinhart, 4,839,493, Cl. 219-121.690.
- Looser, Gottlieb. Winding method and apparatus. 4,852,820, 8-1-89, Cl. 242-56.00R.
- Looser, Heniz: *See—*
  - Bolli, Peter; Looser, Heniz; and Tanner, Werner, 4,861,306, Cl. 446-90.000.
- Looser, Siegfrid: *See—*
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- Loots, Melanie J.; and Karanewsky, Donald S., to E. R. Squibb & Sons, Inc. Substituted aminoalkanoylaminoalkyl phosphonate angiotensin converting enzyme inhibitors. 4,849,414, 7-18-89, Cl. 514-63.000.
- Lopata, Alexander D.: *See—*
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- Lopata, Eugene S.: *See—*
  - Felts, John T.; and Lopata, Eugene S., 4,888,199, Cl. 427-10.000.
- Lopatin, George; and Yen, Larry Y., to Millipore Corporation. Microporous membranes of ultrahigh molecular weight polyethylene. 4,828,772, 5-9-89, Cl. 264-45.900.
- Lopatin, George; Yen, Larry Y.; and Rogers, Randall R., to Millipore Corporation. Microporous membranes from polypropylene. 4,874,567, 10-17-89, Cl. 264-45.100.
- Lopatin, Petr V.: *See—*
  - Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.
- Loper, Alice E.; and Majumdar, Anup K., to Merck & Co., Inc. Transdermal drug delivery system. 4,797,284, 1-10-89, Cl. 424-449.000.
- Loper, Alice E.; and Majumdar, Anup K., to Merck & Co., Inc. Transdermal drug delivery system. 4,880,633, 11-14-89, Cl. 424-449.000.
- Lopetrone, Juan P.; Valdes, Oliver; and Clopton, James, Jr., to Southern California Edison Company. Fault detection. 4,837,519, 6-6-89, Cl. 324-529.000.
- Lopez, Alfred G., and Lopez, Arthur F. Trailer hitch. 4,836,570, 6-6-89, Cl. 280-507.000.
- Lopez, Alfred R., to Hazeltine Corp. Phased array antenna with couplers in spatial filter arrangement. 4,876,548, 10-24-89, Cl. 342-368.000.
- Lopez, Alfred R.: *See—*
  - Roelofs, Darrell D.; Lopez, Alfred R.; and Doris, Kenneth R., 4,823,127, Cl. 340-947.000.
- Lopez, Arthur F.: *See—*
  - Lopez, Alfred G.; and Lopez, Arthur F., 4,836,570, Cl. 280-507.000.
- Lopez, Benjamin L.; Beard, Steven A.; and Phillips, Kirby, to Life Loc, Inc. High precision pump. 4,874,299, 10-17-89, Cl. 417-413.000.
- Lopez-Berestein, Gabriel; Mehta, Reeta; Hopfer, Roy L.; and Juliano, Rudolph L., to Board of Regents, The University of Texas System. Liposome-incorporated nystatin. 4,812,312, 3-14-89, Cl. 424-417.000.
- Lopez-Berestein, Gabriel: *See—*
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- Lopez, David A., to Metal Masters Foodservice Equipment Co. Tote box carrier. 4,795,040, 1-3-89, Cl. 211-126.000.
- Lopez, Denis; Maldonado, Paul; Meunier, Gilles; and Navascues, Luc, to Societe Nationale ELF Aquitaine. Novel n-substituted polyamide type polymers, their method of preparation and their use as additives for crude petroleum oils. 4,870,137, 9-26-89, Cl. 525-329.900.
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- Lopez, Fernand. Annular module for filtering a pressurized liquid by reverse osmosis. 4,820,413, 4-11-89, Cl. 210-321.830.
- Lopez, Frank. Rotary internal combustion engine. 4,848,296, 7-18-89, Cl. 123-242.000.
- Lopez, Gaudelupe. Removable car accessory container. 4,848,628, 7-18-89, Cl. 224-309.000.
- Lopez, Gilbert T., to Cencorp, Inc. Routing apparatus for cutting printed circuit boards. 4,830,554, 5-16-89, Cl. 409-164.000.
- Lopez, Jaime; and Pasek, Eugene A., to Chevron Research Company. Dispersed group VIB metal sulfide catalyst promoted with Group VIII metal. 4,824,821, 4-25-89, Cl. 502-220.000.
- Lopez, Jaime; and Pasek, Eugene A., to Chevron Research Company. Heavy oil hydroprocessing with Group VI metal slurry catalyst. 4,857,496, 8-15-89, Cl. 502-220.000.
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- Lopez, John A., to Shell Oil Company. Stabilization of epoxy/nitroparaffin solutions. 4,816,502, 3-28-89, Cl. 523-414.000.
- Lopez, John T.: *See—*
  - Brynsvold, Glen V.; Lopez, John T.; Olich, Eugene E.; and West, Calvin W., 4,882,514, Cl. 310-208.000.
- Lopez, Jose L. G., to Antibioticos, S.A. Novel E. coli hybrid plasmid vector conferring sucrose fermenting capacity. 4,806,480, 2-21-89, Cl. 435-252.330.
- Lopez, Josephine: *See—*
  - Poorman, Thomas J.; Lopez, Josephine; and Behrens, Christine L., 4,836,637, Cl. 350-96.210.
- Lopez, Juan M.: *See—*
  - Poliak, John M.; Lopez, Juan M.; and Gritz, Robert W., 4,836,805, Cl. 439-657.000.
- Lopez, Marie A. Wheelchair x-ray radiograph apparatus and method. 4,831,644, 5-16-89, Cl. 378-178.000.
- Lopez, Michael L.: *See—*
  - Bierman, Laurence W.; Lopez, Michael L.; and Perkins, James E. III, 4,877,594, Cl. 423-321.00S.
- Lopez, Pierre, to Alcatel Thomson Faisceaux Hertziens. Method and device for detecting false locks between a reference signal and a signal to be demodulated by coherent digital demodulation. 4,847,578, 7-11-89, Cl. 329-124.000.
- Lopez, Ralph: *See—*
  - Daniel, Podlesny B.; Lopez, Ralph; and Waldner, Kurt, 4,794,694, Cl. 30-169.000.
- Lopez, Ricardo R., to Envases Carnaud, S.A. Tool for opening a can with a top which is easy to open. 4,819,826, 4-11-89, Cl. 220-273.000.
- Lopez, Wallace, to Astrl Corporation. Elliptical-drive oscillating compressor and pump. 4,844,708, 7-4-89, Cl. 418-36.000.
- Lopez, Xavier B. P. Fishing rod holder for attachment to docks. 4,803,794, 2-14-89, Cl. 43-21.200.
- Lopicolo, Mario T.; and Swarts, Richard E., to United Technologies Corporation. Angular rate sensor nozzle. 4,856,332, 8-15-89, Cl. 73-505.000.
- Lopotar, Nevenka: *See—*
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- Loppnow, Duane. Bicycle pedal. 4,809,563, 3-7-89, Cl. 74-534.600.
- LoPresti, William J. Bearing-less positive displacement flow meter. 4,815,318, 3-28-89, Cl. 73-261.000.
- Loquenz, Heinz; Meissl, Siegfried; Schweiger, Helmut; Meindl, Norbert; Schwarzl, Karl; and Hruschka, Anton, to Waagner-Biro Aktiengesellschaft; and Steyrermuhl Papierfabriks-und-Verlags-Aktiengesellschaft. Method for delignification of cellulose with oxygen. 4,834,837, 5-30-89, Cl. 162-19.000.
- Loquenz, Heinz; and Meissl, Siegfried, to Waagner-Biro Aktiengesellschaft. Method and nozzle for mixing mediums of different viscosity. 4,880,313, 11-14-89, Cl. 366-336.000.
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- Lorah, Dennis P., to Rohm and Haas Company. Grafted core-shell polymer compositions using polyfunctional compounds. 4,876,313, 10-24-89, Cl. 525-281.000.
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  - Schroeder, Gene F.; and Ellis, Guy T., Jr., 4,884,265, Cl. 370-70.000.
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  - Damico, Dennis J.; and Bennett, Ruth M., 4,855,001, Cl. 156-307.300.
  - Damico, Dennis J.; Mushrush, Kenneth W.; and Bennett, Ruth M., 4,857,131, Cl. 156-331.400.
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  - Miller, Lane R.; Nobles, Charles M., Jr.; and McGuire, Dennis P., 4,838,392, Cl. 188-277.000.
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  - Walsh, Michael L., 4,861,832, Cl. 525-113.000.
  - Warren, Patrick A.; Auerbach, Robert A.; and Polaski, Eugene L., 4,835,226, Cl. 525-504.000.
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- Lord, David L.; McDaniel, Buddy W.; Harris, Lawrence E.; and Manrique, J. E., to Halliburton Company. Controlling fracture growth. 4,887,670, 12-19-89, Cl. 166-281.000.
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- Lordo, Robert E.; and Rudisch, Walter E., to Wertec Corporation. Motor frame and motor with increased cooling capacity. 4,839,547, 6-13-89, Cl. 310-60.00A.
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  - Forestier, Serge; Lang, Gerard; and Sainte Beuve, Edith, 4,866,159, Cl. 528-342.000.
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  - Grollier, Jean F., 4,804,531, Cl. 424-47.000.
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  - Grollier, Jean F., 4,820,512, Cl. 424-70.000.
  - Grollier, Jean F., 4,828,824, Cl. 424-52.000.
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  - Grollier, Jean F., 4,834,768, Cl. 8-405.000.
  - Grollier, Jean F., 4,834,969, Cl. 424-49.000.
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  - Grollier, Jean F.; Fiquet, Claire; Fourcadier, Chantal; Dubief, Claude; Mondet, Jean; and Cauwet, Daniele, 4,842,849, Cl. 424-70.000.
  - Grollier, Jean F.; and Dubief, Claude, 4,842,851, Cl. 424-70.000.
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  - Grollier, Jean F., 4,857,303, Cl. 424-52.000.
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  - Grollier, Jean F.; Dubief, Claude; and Cauwet, Daniele, 4,871,530, Cl. 424-47.000.
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  - Grollier, Jean F.; Dubief, Claude; and Mondet, Jean, 4,880,618, Cl. 424-43.000.
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  - Grollier, Jean F.; and Garoche, Didier, 4,888,027, Cl. 8-423.000.
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  - Grollier, Jean-Francois; Peritz, Lyonel; and Bouix, Herve F., 4,823,985, Cl. 222-1.000.
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  - Junino, Alex; Lang, Gerard; Jehanno, Nicole; and Vandenbosche, Jean J., 4,845,293, Cl. 564-441.000.
  - Junino, Alex; Jehanno, Nicole; and Lang, Gerard, 4,863,482, Cl. 8-429.000.
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  - Junino, Alex; Vandenbosche, Jean J.; Borowiak, Herve; and Lang, Gerard, 4,865,619, Cl. 8-412.000.
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  - Land, Gerard; Maignan, Jean; Restle, Serge; and Malle, Gerard, 4,879,284, Cl. 514-62.000.
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  - Lang, Gerard; Malaval, Alain; Grollier, Jean-Francois; and Rosenbaum, Georges, 4,867,751, Cl. 8-405.000.
  - Lang, Gerard; Maignan, Jean; Forestier, Serge; Restle, Serge; Lagrange, Alain; and Shroot, Braham, 4,876,381, Cl. 560-56.000.
  - Lang, Gerard; Forestier, Serge; Hocquaux, Michel; Grollier, Jean-Francois; and Rosenbaum, Georges, 4,888,026, Cl. 8-405.000.
  - Madrange, Annie; and Canivet, Patrick, 4,820,308, Cl. 8-405.000.
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  - Morane, Bruno; and de Laforcade, Vincent, 4,860,933, Cl. 222-402.130

  - Morane, Bruno, 4,870,805, Cl. 53-470.000.
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  - Philippe, Michel; Sebag, Henri; Leger, Didier S.; and Leveque, Jean L., 4,857,525, Cl. 514-227.500.
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  - Sebag, Henri; and Vanlerberghe, Guy, 4,820,820, Cl. 544-177.000.
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  - Vanlerberghe, Guy; Sebag, Henri; Lagoutte, Michele; and Grollier, Jean F., 4,879,107, Cl. 424-70.000.
  - Vanlerberghe, Guy; and Sebag, Henri, 4,880,620, Cl. 424-70.000.
  - Yassine, Mohamed M.; Querleux, Bernard; Darrasse, Luc; Saint Jalmes, Herve ; Taquin, Jacques; Sauzade, Michel; and Leveque, Jean-Luc, 4,870,363, Cl. 324-318.000.
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- Lorence, Brian S.; and Grabowski, David N., to Chivas Products Limited. Container holder. 4,854,536, 8-8-89, Cl. 248-311.200.
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  - Cline, Harvey E.; Ludke, Siegwalt; and Lorensen, William E., 4,879,668, Cl. 364-522.000.
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- Lorenz, Dieter, to Deutsche Forschungs - und Versuchsanstalt fur Luft - und Raumfahrt e.V. Electromagnetic radiation detecting device with hollow semicylindrical chopper. 4,873,433, 10-10-89, Cl. 250-233.000.
- Lorenz, Donald H.: *See—*
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- Lorenz, Dotsch; Hofer, Karl-Heinz; Retrayt, Jean-Louis; and Kull, Bernd, to Radex Deutschland Aktiengesellschaft fur Feuerfeste Erzeugnisse. Refractory, ceramic, shaped member. 4,884,787, 12-5-89, Cl. 266-270.000.
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- Lorenz, Josef; Kicherer, Robert; and Keller, Ewald, to E.G.O. Elektro-Gerate Blanc u. Fischer. Electrical component. 4,864,106, 9-5-89, Cl. 219-543.000.
- Lorenz, Kurt; Dungs, Horst; Rudel, Manfred; and Kemper, Klaus-Dieter, to Carl Still GmbH & Co. KG, Firma. Coke dry cooling chamber. 4,832,795, 5-23-89, Cl. 202-228.000.
- Lorenz, Rainer; Frenzen, Gustav; and Lossa, Ulrich, to Palitex Project Company GmbH. A spindle rotor adapted for use in a spindle of a textile thread processing machine. 4,854,116, 8-8-89, Cl. 57-58.840.
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- Lorenzen, David M., to North American Philips Corporation. Device for sensing the angular position of a shaft. 4,875,008, 10-17-89, Cl. 324-208.000.
- Lorenzen, Gunter; and Ruthenberg, Bodo, to Warme- und Elektrotechnik B. Ruthenberg GmbH. Flat heater for incorporation in seats of vehicles. 4,869,550, 9-26-89, Cl. 297-180.000.
- Lorenzen, Heinz C.; Pinck, Peter; and Lange, Norbert, to Korber AG. Apparatus for making perforations in articles of the tobacco processing industry. 4,889,140, 12-26-89, Cl. 131-281.000.
- Lorenzen, Heinz-Christen, to Korber AG. Method of and apparatus for uniformizing the moisture content of tobacco. 4,856,539, 8-15-89, Cl. 131-290.000.
- Lorenzen, Heinz-Christen; Heitmann, Uwe; and Siems, Wolfgang, to Korber AG. Method of and apparatus for making and processing streams of fibrous material of the tobacco processing industry. 4,865,054, 9-12-89, Cl. 131-280.000.
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- Lorenzen, Leslie J., deceased; and Lorenzen, Lawrence E., executor. Stringed musical instrument. 4,867,029, 9-19-89, Cl. 84-277.000.
- Lorenzen, Rick D.; Houghton, William; Palmer, Darrel; and Kammerer, Kevin, to Ballard Medical Products. Medical drain system for removing liquid from ventilating system. 4,867,153, 9-19-89, C 128-205.120.
- Lorenzo, Carmelo, to Car-Lin Inc. Multipurpose repeating firearm having alternate firing mechanisms. 4,821,621, 4-18-89, C 89-143.000.
- Lorenzo, Joseph P.; and Soref, Richard A., to United States of America Air Force. Metal-insulator-semiconductor control of guided optical waves in semiconductor waveguides. 4,877,299, 10-31-89, C 350-96.140.
- Lorenzo, Joseph P.; and Soref, Richard A., to United States of America Air Force. Silicon light-emitting diode with integral optical waveguide. 4,884,112, 11-28-89, Cl. 357-17.000.
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  - Wilson, Syd R.; Lorigan, Robert P.; and Peterson, Richard 4,799,392, Cl. 73-865.900.
- Lorik, Erno: *See—*
  - Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pesak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.

  - Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
  - Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.
- Lorillard, Inc.: *See—*
  - Garrard, Victor G.; and Hudson, Albert B., 4,832,059, Cl. 131-276.000.
- Lorimer, D'Arcy H., to Applied Materials, Inc. Process for forming reflective gold coatings. 4,837,052, 6-6-89, Cl. 427-160.000.
- Lorin, Victor: *See—*
  - Billoud, Alain; Lorin, Victor; and Vanney, Alain, 4,817,806, Cl. 215-12.100.
- Lorincz, Attila T., to Life Technologies, Inc. Human papillomavirus 44 nucleic acid hybridization probes and methods for employing the same. 4,849,331, 7-18-89, Cl. 435-5.000.
- Lorincz, Attila T., to Life Technologies, Inc. Human papillomavirus 35 nucleic acid hybridization probes and methods for employing the same. 4,849,332, 7-18-89, Cl. 435-5.000.
- Lorincz, Attila T., to Life Technologies, Inc. Human papillomavirus 43 nucleic acid hybridization probes and methods for employing the same. 4,849,334, 7-18-89, Cl. 435-5.000.
- Lorincz, Eugene M.: *See—*
  - Hoskinson, Marlin J.; Lorincz, Eugene M.; and Samson, George W., 4,871,140, Cl. 248-496.000.
- Loriot, Jean-Marc. Method of cutting out sheet or plate material. 4,819,529, 4-11-89, Cl. 83-32.000.
- Loris, Keith; and Euchner, James, to Nynex Corporation. Neural network model in pattern recognition using probabilistic contextual information. 4,876,731, 10-24-89, Cl. 382-40.000.
- Loris, William P., to Rockwell International Corporation. Electronic shelf assembly. 4,878,153, 10-31-89, Cl. 361-394.000.
- Lork, Wolfram, to Dornier System GmbH. Zero gravity fluidized bed operation. 4,885,137, 12-5-89, Cl. 422-140.000.
- Lormeau, Jean-Claude; Petitou, Maurice; and Choay, Jean, to Choay S.A. Mucopolysaccharides having biological properties, preparation and application thereof as drugs. 4,804,652, 2-14-89, Cl. 514-56.000.
- Lormeau, Jean-Claude; Choay, Jean; and Petitou, Maurice, to Choay S.A. Short chained oligosaccharides having biological properties, a process for making the same and the use thereof as drugs. 4,826,827, 5-2-89, Cl. 514-56.000.
- Lormeau, Jean-Claude: *See—*
  - Petitou, Maurice; Lormeau, Jean-Claude; Choay, Jean; Jacquinet, Jean-Claude; and Sinay, Pierre, 4,801,583, Cl. 514-54.000.
  - Petitou, Maurice; Jacquinet, Jean-Claude; Sinay, Pierre; Choay, Jean; Lormeau, Jean-Claude; and Nassr, Mahmoud, 4,818,816, Cl. 536-55.200.
- Loro, Albert. Differential interference contrast microscope using non-uniformly deformed plastic birefringent components. 4,795,246, 1-3-89, Cl. 350-510.000.
- Lorrain, Henri L. P.: *See—*
  - Van Bokestal, Andre M. A.; and Lorrain, Henri L. P., 4,835,370, Cl. 219-544.000.
- Lorrain, Jeffrey M.: *See—*
  - Kirchgessner, David A.; and Lorrain, Jeffrey M., 4,882,309, Cl. 502-401.000.
- Lorsbach, Peter. Jump rescue apparatus. 4,875,548, 10-24-89, Cl. 182-137.000.
- Lorsch, Johannes. Process for treating a film material to eliminate a bend therein. 4,851,174, 7-25-89, Cl. 264-234.000.
- Lorsignol, Jean: *See—*
  - Charlier, Jean; Geenen, Bernard; Laurent, Bernard; Lorsignol, Jean; Malherbe, Andre; and Perbos, Jean-Luc, 4,800,556, Cl. 370-3.000.
- Lorteije, Jean H. J., to U.S. Philips Corporation. Rotatable head assembly with offset sub-head gaps. 4,860,132, 8-22-89, Cl. 360-84.000.
- Lortz, Allan R.: *See—*
  - Anthony, James R.; Merrick, David; Homeier, Ronald F.; and Lortz, Allan R., 4,876,772, Cl. 24-637.000.
- Lortz, James L., to Food Equipment Engineering, Inc. Apparatus for forming three dimensional food products. 4,886,441, 12-12-89, Cl. 425-236.000.
- Lorusso, Lina: *See—*
  - Zambano, Norma; and Lorusso, Lina, 4,830,200, Cl. 211-181.000.
- Los Angeles County Sanitation Districts: *See—*
  - Novy, Vladimir A., 4,825,843, Cl. 123-585.000.
- Los, Marinus, to American Cyanamid Co. 2-(2-imidazolin-2-yl)-pyridines and quinolines and use of said compounds as herbicidal agents. 4,798,619, 1-17-89, Cl. 71-66.000.
- Losa, Piero, to Fiat Ferroviaria Savigliano S.p.A. Method and apparatus for indicating the dynamic instability of railway or tramway rolling stock. 4,801,927, 1-31-89, Cl. 340-669.000.
- Loscalzo, Dominick; Scott, Bruce M.; Freese, Lawrence O.; and Picozza, Augusto A., to Dart Industries, Inc. Reconfigurable toy. 4,804,349, 2-14-89, Cl. 446-93.000.
- Losch GmbH & Co.: *See—*
  - Losch, Max H., 4,807,685, Cl. 160-36.000.
- Losch, Kurt: *See—*
  - Mozer, Albrecht; and Losch, Kurt, 4,839,901, Cl. 372-49.000.
- Losch, Max H., to Losch GmbH & Co. Segmented shutter or gate. 4,807,685, 2-28-89, Cl. 160-36.000.
- Losch, Richard C., to Laserscope. Laser output calibration tab. 4,800,877, 1-31-89, Cl. 128-303.100.
- Losch, Simon: *See—*
  - Dietrich, Christian; Hennecke, Dieter; Losch, Simon; and Pfeil, Dirk, 4,805,101, Cl. 364-424.010.
- Loschmann, Hartmut: *See—*
  - Franz, Rainer; Idigkeit, Werner; Loschmann, Hartmut; Rohner, Gerhard; and Kurr, Klaus, 4,836,515, Cl. 267-219.000.
- Loschmann, Peter-Andreas: *See—*
  - Wachtel, Helmut; Schneider, Herbert H.; Loschmann, Peter-Andreas; Dorow, Rainer; Horowski, Reinhard; Acksteiner, Bernard; Schulze, Paul-Eberhard; and Sauer, Gerhard, 4,857,298, Cl. 424-1.100.
- Loschner, Hans; and Stengl, Gerhard, to IMS Ionen Mikrofabrikations Systeme Gesellschaft m.b.H. Ion-projection apparatus. 4,835,392, 5-30-89, Cl. 250-492.200.
- Loschner, Hans: *See—*
  - Stengl, Gerhard; and Loschner, Hans, 4,823,011, Cl. 250-491.100.
  - Stengl, Gerhard; Loschner, Hans; and Wolf, Peter, 4,859,857, Cl. 250-492.300.
- Losee, David: *See—*
  - Rivaud, Lydia L.; Roselle, Paul; and Losee, David, 4,888,298, Cl. 437-43.000.
- Losee, Ferril A., to Canon Kabushiki Kaisha. Low profile wireless communication system and method. 4,809,010, 2-28-89, Cl. 343-719.000.
- Losee, Ferril A., to Eyring Research Institute, Inc. Wireless communication system using current formed underground vertical plane polarized antennas. 4,829,310, 5-9-89, Cl. 343-719.000.
- Losee, Ferril A., to Eyring Research Institute, Inc. Guided wave antenna system and method. 4,839,661, 6-13-89, Cl. 343-719.000.
- Losehand, Reinhard; and Eger, Helmut, to Siemens Aktiengesellschaft. Method of making schottky contacts on semiconductor surfaces. 4,859,616, 8-22-89, Cl. 437-39.000.
- Losel, Walter, to U.S. Philips Corp. Clocked direct voltage converter. 4,816,821, 3-28-89, Cl. 323-284.000.
- Losel, Walter: *See—*
  - Schnorrenberg, Gerd; Roos, Otto; Losel, Walter; Wiedemann, Ingrid; Gaida, Wolfram; and Hoefke, Wolfgang, 4,826,855, Cl. 514-301.000.
- Loser, Hans; Chau-Huu, Tri; and Meinecke, Albrecht, to J.M. Voith GmbH. Dryer section for drying a running web in a paper or board making machine. 4,882,855, 11-28-89, Cl. 34-116.000.
- Loser, Thomas N.: *See—*
  - Bushway, Kenneth C.; and Loser, Thomas N., 4,833,191, Cl. 524-473.000.
- Losert, Gerhard K.: *See—*
  - Roberts, John J.; Stich, Richard A.; Powell, John M.; and Losert, Gerhard K., 4,815,685, Cl. 248-221.300.
- Losev, Alexandr S.: *See—*
  - Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,839,380, Cl. 517-424.000.
  - Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,876,360, Cl. 548-550.000.
- Losev, Alexei V.: *See—*
  - Bozhko, Valery P.; Yatsenko, Sergei V.; Strizhenko, Vitaly E.; Losev, Alexei V.; Pleshkov, Viktor I.; and Junash, Viktor M., 4,796,867, Cl. 266-51.000.
  - Bozhko, Valery P.; Losev, Alexei V.; Strizhenko, Vitaly; Pleshkov, Viktor I.; and Levityansky, Ivan A., 4,796,868, Cl. 266-51.000.
  - Bozhko, Valery P.; Losev, Alexei V.; Takoriants, Mateos P.; Pleshkov, Viktor I.; Strizhenko, Vitaly E.; Levityansky, Ivan A.; Filippov, Boris L.; and Kononenko, Tamara I., 4,802,654, Cl. 266-51.000.
  - Bozhko, Valery P.; Strizhenko, Vitaly E.; Kushnarenko, Sergei G.; Losev, Alexei V.; and Kononenko, Vadim G., deceased, 4,826,541, Cl. 148-9.00R.
- Losfeld, Ronny; and Lefever, Ignace, to N.V. Bekaert S.A. Laminated object comprising metal fibre webs. 4,810,587, 3-7-89, Cl. 428-549.000.
- Losh, G. Michael: *See—*
  - Craig, Kenneth C., Jr.; Gauglitz, Karl F.; Losh, G. Michael; Mason, Lee R.; Nova, Richard C.; Taylor, James W.; and Prosser, Stephen J., 4,869,253, Cl. 128-633.000.
- Losh, Russell L.: *See—*
  - Holt, Joseph C.; and Losh, Russell L., 4,806,065, Cl. 414-481.000.
- Loshaek, Samuel: *See—*
  - Narducy, Kenneth W.; Jahnke, Richard L.; and Loshaek, Samuel, 4,857,072, Cl. 8-507.000.
- Losi, Paul F., to Chemical New York Corporation. Mobile bank teller unit. 4,861,049, 8-29-89, Cl. 280-47.160.
- Losi, Salvatore A., to Givaudan Corporation. Fluid evaporating devices. 4,878,615, 11-7-89, Cl. 239-45.000.
- Losic, Novica A.: *See—*
  - Varga, Ljubomir D.; and Losic, Novica A., 4,885,674, Cl. 363-21.000.
- Losinger, Raymond E.: *See—*
  - Buonomo, Joseph P.; Losinger, Raymond E.; and Oliver, Burton L., 4,814,977, Cl. 364-200.000.
- Losonczi, Zoltan: *See—*
  - Csanyi, Istvan; Csiszar, Janos; Feher, Laszla ; Losonczi, Zoltan; and Szabo, Gyorgy, 4,870,318, Cl. 313-113.000.
- Losos, Gus, to Hurley Chicago Co., Inc. Water filter assembly. 4,804,467, 2-14-89, Cl. 210-232.000.

Losquadro, Giacinto: *See—*

Galati, Gaspare; and Losquadro, Giacinto, 4,843,397, Cl. 342-59.000.

Perrotta, Giorgio; and Losquadro, Giacinto, 4,800,570, Cl. 375-4.000.

Lossa, Ulrich: *See—*

Lorenz, Rainer; Frenzen, Gustav; and Lossa, Ulrich, 4,854,116, Cl. 57-58.840.

Lostrom, Mark E.: *See—*

Rosok, Mae J.; and Lostrom, Mark E., 4,834,976, Cl. 424-87.000.

Siadak, Anthony W.; and Lostrom, Mark E., 4,834,975, Cl. 424-87.000.

Loth, Eric, to Montres Rado S.A. Watch cover glass and process for the manufacture of such a glass. 4,849,299, 7-18-89, Cl. 428-542.200.

Loth, Fritz: *See—*

Schossler, Werner; Boeden, Hans-Friedrich; Holtzhauer, Martin; Loth, Fritz; Hiepe, Falk; Bertram, Dieter; Mielke, Frank; Muller, Reinhard; and Konjuchowa, Dagmar, 4,822,681, Cl. 428-405.000.

Loth, Stanislaw: *See—*

Bahnemann, Volker W.; and Loth, Stanislaw, 4,816,975, Cl. 362-308.000.

Lothamer, Robert J.; and Purpura, James L., to Chrysler Motors Corporation. Vehicle lamp assembly and retainer. 4,819,142, 4-4-89, Cl. 362-226.000.

Lothar, Buxbaum: *See—*

Rainer, Naderer; Lothar, Buxbaum; and Klaus, Langer, 4,801,579, Cl. 514-18.000.

Lothar, Eggerstorfer, to BHL - Sportartikel - Vertriebs GmbH. Lift/-tow assistance device to relieve the lower arm in sporting activities using equipments. 4,807,876, 2-28-89, Cl. 272-123.000.

Lothar, Freimuth, to Magnetek, Inc. Electrical terminal. 4,812,601, 3-14-89, Cl. 174-94.00R.

Lothar Schmitt GmbH: *See—*

Pitsch, Franz F.; Winkelmann, Hans E.; Frohnheiser, Helmut W.; and Herbert, Guenther, 4,819,541, Cl. 91-6.000.

Lotman, David B. Patient support. 4,873,710, 10-10-89, Cl. 378-177.000.

Lotsch, Wolfgang; and Kemper, Reinhard, to BASF Aktiengesellschaft. Process for conditioning isoindoline pigments. 4,845,214, 7-4-89, Cl. 544-250.000.

Lotsof, Howard S., to NDA International, Inc. Rapid method for attenuating the alcohol dependency syndrome. 4,857,523, 8-15-89, Cl. 514-214.000.

Lott, A. Denise: *See—*

Flanagan, Kenneth J.; Reed, John B.; and Lott, A. Denise, 4,801,397, Cl. 252-154.000.

Lott, Gerald, to Chem-O Company, Inc. Floating suction apparatus. 4,797,063, 1-10-89, Cl. 415-116.000.

Lott, Quitman W.: *See—*

Nelson, Neil M.; Sponzilli, William A.; and Lott, Quitman W., 4,854,120, Cl. 60-39.020.

Lott, Thomas M. Hold and dial accessory for telephone instrument. 4,841,566, 6-20-89, Cl. 379-352.000.

Lott, W. Gerald; and Grant, Glen E. Filter system with readily replaceable filter element. 4,818,398, 4-4-89, Cl. 210-238.000.

Lott, W. Gerald. Clarifier and screw compactor liquid-solid separator. 4,871,449, 10-3-89, Cl. 210-110.000.

Lott, W. Gerald. Portable dumpster slurry separating system. 4,871,454, 10-3-89, Cl. 210-205.000.

Lotter, Manfred: *See—*

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Lotterbach, Gerhard: *See—*

Hoptner, Wolfgang; Lotterbach, Gerhard; Perenthaler, Egbert; van Woudenberg, Jan F.; and Zucker, Udo, 4,845,667, Cl. 364-900.000.

Lotz, Hans G.: *See—*

Kieser, Jorg; Lotz, Hans G.; Dittmer, Gunde; and Sellschopp, Michael, 4,847,460, Cl. 219-10.55A.

Lotz, Hans-Georg: *See—*

Keller, Heinz; Lehner, Martin; Born, Reinhard; and Lotz, Hans-Georg, 4,798,960, Cl. 250-504.00R.

Lobsiger, Werner; and Lotz, Hans-Georg, 4,838,628, Cl. 350-1.600.

Lotz, Heinrich, to Arthur Pfeiffer Vakuumtechnik Wetzlar GmbH. Vacuum pump. 4,826,394, 5-2-89, Cl. 415-72.000.

Lotz, Heinrich: *See—*

Holss, Kurt; and Lotz, Heinrich, 4,832,564, Cl. 415-90.000.

Lotz, Michael, deceased (by Post, Carla Lotz nee, heir and Andreas Lotz, heir); Vanino, Rudiger, deceased (Vanino, H. L. I. M., heir); Kuhl, Peter; Welte, Dieter; and Zimmer, Herbert, to Dornier GmbH. Wing sections, in particular lift-wing sections for aircraft. 4,856,735, 8-15-89, Cl. 244-35.00R.

Lotz, Robert, to Digital Equipment Corporation. Acoustic noise control for fans. 4,807,718, 2-28-89, Cl. 181-202.000.

Lotz, Werner: *See—*

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Forster, Frank; Keller, Karlfried; Becker, Hermann; and Lotz, Werner, 4,822,372, Cl. 8-94.240.

Riegel, Ulrich; Engelhardt, Fritz; Reh, Kuno; Croon, Helmut; Becker, Hermann; and Lotz, Werner, 4,828,570, Cl. 8-94.19R.

Lotze, Marion; and Kleinschmit, Peter, to Degussa Aktiengesellschaft. Method of producing matte precious metal decorations. 4,889,769, 12-26-89, Cl. 428-432.000.

Lotzsch, Detlef: *See—*

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Lou, Perry W., to Brooktree Corporation. System for compensating for offset voltages in comparators. 4,841,252, 6-20-89, Cl. 330-9.000.

Lou, Perry W.: *See—*

Khosrovi, Aman; Lou, Perry W.; and Chang, Ki S., 4,831,594, Cl. 365-222.000.

Loubier, Robert J. Hall effect sensing apparatus and method. 4,829,248, 5-9-89, Cl. 324-208.000.

Loucks, Bryan E.: *See—*

Kahn, Frederic J.; Kendrick, Paul N.; Leff, Jerry; Livoni, Linden J.; Loucks, Bryan E.; Stepner, David E.; and Witte, Kenneth G., 4,818,098, Cl. 353-122.000.

Loucks, L. David: *See—*

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Loucks, Richard S., to ITT Gilfillan, a division of ITT Corporation. High voltage pulse top clipper with precise regulation of clipping level. 4,823,020, 4-18-89, Cl. 307-106.000.

Loucks, Richard S., to ITT Corporation. Combined radar and data link 4,866,447, 9-12-89, Cl. 342-58.000.

Loucks, Terry K.: *See—*

Goshorn, Jean; Loucks, L. David; and Loucks, Terry K., 4,799,458, Cl. 119-96.000.

Louderback, Allan L. Method of inactivating HTLV-III virus in blood 4,833,165, 5-23-89, Cl. 514-694.000.

Loudon, Merle E. Adjustable composite dental crown and associated procedure. 4,834,656, 5-30-89, Cl. 433-215.000.

Louener Engineering AG: *See—*

Lauener, Wilhelm F.; and Wurgler, Rolf, 4,848,635, Cl. 226-181.000.

Louet Feisser, Arnold; Koorn, Maarten; and Sikkema, Sape, to C. va der Lely, N.V. Mowing machine. 4,838,013, 6-13-89, Cl. 56-13.600.

Louez, Nigel. Hue sequence device. 4,796,888, 1-10-89, Cl. 273-58.00R.

Lough, Jimmie D.: *See—*

Chandler, Rupert P., Jr.; McDavid, Fred R.; Lough, Jimmie D.; and Dove, Gary E., 4,835,983, Cl. 62-259.100.

Lough, Steven G. Liquid seal for marine stern drive gear shift shafts 4,848,775, 7-18-89, Cl. 277-12.000.

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Lougheed, Victor R.: *See—*

Galosky, David G.; and Lougheed, Victor R., 4,887,674, C 169-61.000.

Lougheed, William M.: *See—*

Walsh, David J.; Lougheed, William M.; Gentili, Fred; and Fu Mahmood, 4,873,975, Cl. 128-334.00R.

Loughlin, Bernard D., to Hazeltine Corp. Tweet elimination, or reduction, in superheterodyne receivers. 4,879,757, 11-7-89, C 455-182.000.

Loughlin, Bernard D., to Hazeltine Corporation. Apparatus for processing stereo signals and universal AM stereo receivers incorpora ing such apparatus. 4,887,297, 12-12-89, Cl. 381-15.000.

Loughlin, Patrick J.; Westenskow, Dwayne R.; Wied, Henrich A.; an Wallroth, Carl-Friedrich, to Dragerwerk Aktiengesellschaft. Metho for simulating and demonstrating the gas exchange during mandator or assisted ventilation and apparatus therefor. 4,878,388, 11-7-89, C 73-866.400.

Loughlin, Robert W.; and Loughlin, Thomas G. Tapered shack padlock. 4,835,996, 6-6-89, Cl. 70-53.000.

Loughlin, Robert W.; and Loughlin, Thomas G. Sliding shackle pa lock. 4,885,919, 12-12-89, Cl. 70-34.000.

Loughlin, Thomas G.: *See—*

Clarkson, Bruce A.; Frere, Ronald J.; Loughlin, Thomas G.; Ta lor, William W., Jr.; and Mongeau, Peter, 4,848,115, C 70-276.000.

Loughlin, Robert W.; and Loughlin, Thomas G., 4,835,996, C 70-53.000.

Loughlin, Robert W.; and Loughlin, Thomas G., 4,885,919, C 70-34.000.

Loughmiller, George E., Jr.: *See—*

Honey, Stanley K.; Zavoli, Walter B.; Milnes, Kenneth A.; Phili Alan C.; White, Marvin S., Jr.; and Loughmiller, George E., J 4,796,191, Cl. 364-450.000.

Loughran, James A.: *See—*

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Loughrey, Helen: *See—*

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Loughrin, Thomas D., to Durkee Industrial Foods Corporation. Pa aging method and system for edible solid fats and the like. 4,874, 10-17-89, Cl. 426-124.000.

Louiche, Claude, to Fabrication d'Ouvrages de Dames. Silkscre process for producing a design and proximate inscription. 4,869, 9-26-89, Cl. 101-128.400.

Louiday, Andre E., to U.S. Philips Corporation. Radiological devic the pivoting type. 4,866,751, 9-12-89, Cl. 378-196.000.

Louie, Jenny: *See—*

Baker, Richard W.; Louie, Jenny; Pfromm, Peter H.; and Wijma Johannes G., 4,857,080, Cl. 55-16.000.

Louies, Bernard D.: *See—*

Herten, Joris F.; and Louies, Bernard D., 4,853,427, C 524-394.000.

Louis A. Grant, Inc.: *See—*

Grant, Louis A., 4,861,112, Cl. 299-70.000.

Grant, Louis A., 4,878,789, Cl. 409-143.000.

Louis Berkman Company, The: *See—*

Ciula, James C., 4,803,790, Cl. 37-266.000.

Ciula, James C., 4,845,866, Cl. 37-266.000.

Louis, Bernard: *See—*

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Louis-Gavet, Paul: *See—*

Schapira, Joseph; Louis-Gavet, Paul; and Maillard, Pierre, 4,843,119, Cl. 524-730.000.

Louis, Herve: *See—*

Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, 4,853,013, Cl. 55-159.000.

Louis, William J.; Berthold, Richard; and Stoll, Andre, to Louis, William J. 3-aminopropoxyphenyl derivatives, their preparation and pharmaceutical compositions containing them. 4,816,604, 3-28-89, Cl. 564-349.000.

Louisana State University: *See—*

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Louisana State University and Agricultural and Mechanical College: *See—*

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Louisiana State University: *See—*

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El-Amawy, Ahmed; and Mirbod, Ali, 4,797,833, Cl. 364-483.000.

Goodrich, Roy G.; Probst, P. A.; and Collet, B., 4,807,146, Cl. 364-481.000.

Portier, Ralph J., 4,882,066, Cl. 210-679.000.

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Roy, Dipak, 4,816,403, Cl. 435-253.300.

Louisiana State University and Agricultural and Mechanical College: *See—*

Velupillai, Lakshman; Verma, Lalit R.; and Tsangmuichung, Marcel, 4,810,511, Cl. 426-242.000.

Louison, Bernard; and Piera, Henri, to SEB S.A. Iron baseplate having an enamel coating. 4,822,686, 4-18-89, Cl. 428-457.000.

Louison, Bernard; and Hennuy, Jean, to Seb S.A. Method of making flat electrical resistance heating element. 4,860,434, 8-29-89, Cl. 29-611.000.

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Hennuy, Jean; and Louison, Bernard, 4,837,952, Cl. 38-77.700.

Lounis, Said. Method and apparatus for recovering, purifying and separating refrigerant from its lubricant. 4,862,699, 9-5-89, Cl. 62-84.000.

Lounsberry, Peter C.: *See—*

Lounsberry, Stephen M., III; Lounsberry, Peter C.; Rodems, James D.; and Carner, Gary A., 4,856,617, Cl. 184-3.100.

Lounsberry, Stephen M., III; Lounsberry, Peter C.; Rodems, James D.; and Carner, Gary A., to Moore & Steele Corporation. Railway lubricating system and method. 4,856,617, 8-15-89, Cl. 184-3.100.

Lourens, Jan: *See—*

Knauf, Werner; Waltersdorfer, Anna; Sagenmuller, Alfons; Stier, Hubert; and Lourens, Jan, 4,857,510, Cl. 514-30.000.

Loustau, Desire, to Eubanks Engineering Co. Wire processing apparatus and method. 4,833,778, 5-30-89, Cl. 29-857.000.

Loutaty, Roben; Maroy, Pierre; and Trinquet, Gilles, to Compagnie de Raffinage et de Distribution Total France. Process for improving the deshafting of a heavy hydrocarbon feedstock. 4,882,035, 11-21-89, Cl. 208-45.000.

Loutaty, Roben: *See—*

Freychet, David; and Loutaty, Roben, 4,848,446, Cl. 165-94.000.

Loutfy, Rafik O.; Kazmaier, Peter M.; Hor, Ah-Mee; and Burt, Richard A., to Xerox Corporation. Photoconductive imaging members with imidazole perinones. 4,808,506, 2-28-89, Cl. 430-59.000.

Loutfy, Rafik O.; Hor, Ah-Mee; Liebermann, George; Toth, Alan J.; Hsiao, Cheng-Kuo; Carmichael, Kathleen M.; and Tokoli, Emery G., to Xerox Corporation. Photoconductive imaging members with mixtures of photogenerator pigment compositions. 4,882,254, 11-21-89, Cl. 430-59.000.

Loutfy, Rafik O.: *See—*

Frechet, Jean M. J.; Gauthier, Sylvie; Limburg, William W.; Loutfy, Rafik O.; Murti, Dasarao K.; and Spiewak, John W., 4,801,517, Cl. 430-59.000.

Tam, Man C.; Bloembergen, Steven; Kovacs, Gregory J.; Jennings, Carol A.; Loutfy, Rafik O.; Gardner, Sandra J.; and Taylor, Michael G., 4,853,307, Cl. 430-41.000.

Loutfy, Raouf O.; and Weisbrod, Kirk R., to Aluminum Company of America. Production of partially calcined carbonaceous reductant using steam. 4,836,998, 6-6-89, Cl. 423-460.000.

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Light, Bruce D.; and Louviere, Dennis P., 4,832,128, Cl. 166-377.000.

Louw, Henry J. Garment hangers. 4,828,155, 5-9-89, Cl. 223-85.000.

Louw, Henry J. Garment hanger. 4,830,237, 5-16-89, Cl. 223-89.000.

Louw, Robert, to Rijksuniversiteit Leiden. Process for the destruction of waste by thermal processing. 4,851,600, 7-25-89, Cl. 585-240.000.

Lovaas, Ann B., to ABL Unlimited, Inc. Vehicle bed cover assembly with laterally adjustable sliders. 4,832,395, 5-23-89, Cl. 296-100.000.

Lovaas, Leeland M. Endodontic files. 4,889,487, 12-26-89, Cl. 433-102.000.

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Lovas, Kurt, to Schubert & Salzer. Process and device for piecing up an open-end friction spinning device. 4,817,380, 4-4-89, Cl. 57-263.000.

Lovas, Kurt; and Billner, Werner, to Schubert & Salzer. Process and device for piecing to an open-end friction spinning device. 4,819,420, 4-11-89, Cl. 57-263.000.

LoVasco, Francis; and Oien, Michael A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Process for controlling solder joint geometry when surface mounting a leadless integrated circuit package on a substrate. 4,878,611, 11-7-89, Cl. 228-180.200.

Lovato, Vittorio, to Agip Petroli S.p.A. Temperature detecting apparatus for pipes in refinery furnaces and the like. 4,854,729, 8-8-89, Cl. 374-141.000.

Lovatt-Smith, Frederick D., to Denehunt Ltd. Process for the manufacture of particulate bituminized plastics material. 4,797,434, 1-10-89, Cl. 524-60.000.

Lovberg, Ralph H.: *See—*

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Love, Daniel J.: *See—*

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Love, Franklin S., III, to Milliken Research Corporation. Method and apparatus for interrupting fluid streams. 4,828,174, 5-9-89, Cl. 239-11.000.

Love, J. Patrick, to Windsurfing Hawaii, Inc. Adjustable footstrap for sailboard. 4,846,744, 7-11-89, Cl. 441-75.000.

Love, Jack D.; Elliott, Michael T.; and Morgan, Patricia L., to Oncor, Inc. Process for conducting electrophoresis and transfer. 4,849,078, 7-18-89, Cl. 204-182.800.

Love, James S.: *See—*

Bradt, L. Jack; Brown, Robert L.; Fogt, Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,814,592, Cl. 235-381.000.

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Love, John F.: *See—*

Bellotti, Marc; Schnell, William J.; Love, John F.; Murphey, Randy K.; Taylor, Larry C.; and Peluso, Franco, 4,821,996, Cl. 251-9.000.

Love, Leonard S. Integral Clarifier. 4,818,391, 4-4-89, Cl. 210-195.300.

Love, Linda J. C.; and Weinberger, Robert, to Research Corporation. Therapeutic drug monitoring and analyte determination utilizing micellar chromatography. 4,828,799, 5-9-89, Cl. 422-70.000.

Love, Mahlon L., to Deere & Company. Reverser for harvesting apparatus. 4,879,868, 11-14-89, Cl. 56-11.200.

Love, Mahlon L.: *See—*

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Love, Marvin L., Jr.: *See—*

Salamy, Thomas E.; Love, Marvin L., Jr.; and Towner, Mark E., 4,886,728, Cl. 430-331.000.

Love, Robert B.: *See—*

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Dolins, Steven B.; Srivastava, Aditya; Flinchbaugh, Bruce E.; Gunturi, Sarma S.; Lassiter, Thomas W.; and Love, Robert L., 4,846,928, Cl. 156-626.000.

Love, Simon; Boswell, Elizabeth M. C.; and Quy, Roger J., to Hewlett-Packard Company. User interface simulation and management for program-controlled apparatus. 4,870,561, 9-26-89, Cl. 364-192.000.

Love, Walter F.: *See—*

Cook, Thomas A.; Love, Walter F.; and Slovacek, Rudolf E., 4,852,967, Cl. 350-96.290.

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Love, William D.: *See—*

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Lovel, Craig G.: *See—*

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Watson, Keith G.; and Lovel, Craig G., 4,866,911, Cl. 564-221.000.

Watson, Keith G.; and Lovel, Craig G., 4,888,043, Cl. 71-88.000.

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- Loveless, Frederick C.: *See—*
  - Rudnick, Leslie R.; and Loveless, Frederick C., 4,866,120, Cl. 524-849.000.
- Loveless, Michael L.; and Loveless, Colleen G. Ash vacuum adapter. 4,868,949, 9-26-89, Cl. 15-352.000.
- Loveless, Scott E.: *See—*
  - Ackerman, Neil R.; Harris, Richard R.; Loveless, Scott E.; and Neubauer, Russel H., 4,861,783, Cl. 514-311.000.
- Lovell, John A.; Medved, Gary E.; and White, John R., to Goodyear Tire & Rubber Company, The. Radial tire belt folding drum. 4,859,272, 8-22-89, Cl. 156-415.000.
- Lovell, Walter C., to Tapeswitch Corporation of America. Tape element and methods, for heating, pressure measurement and circuit fabrication. 4,823,106, 4-18-89, Cl. 338-212.000.
- Lovelock, James E., to Hewlett-Packard Co. Gas chromatography. 4,866,278, 9-12-89, Cl. 250-385.100.
- Loverich, Gary F.: *See—*
  - West, Charles W.; and Loverich, Gary F., 4,805,335, Cl. 43-9.000.
- Loveridge, Jennifer C.; and Powell, Philip G., to Eastman Kodak Company. Image processing method for the removal of spot defects and apparatus therefor. 4,833,723, 5-23-89, Cl. 382-53.000.
- Loveshaw Corporation, The: *See—*
  - DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, 4,813,206, Cl. 53-137.000.
  - DiRusso, Anthony, Jr.; Lerner, Joseph S.; and Krukas, David, 4,869,769, Cl. 156-269.000.
  - Lerner, Joseph S.; Krukas, David; and Novak, Steven C., 4,846,921, Cl. 156-352.000.
- Lovett, Eva G.: *See—*
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- Lovett, Terry E. Portable kit for erecting sign with rigid panel. 4,864,757, 9-12-89, Cl. 40-607.000.
- Lovette, Spencer; Coassin, Peter; Karol, Robert; and Aho, John, to Millipore Corporation. Probe tip apparatus. 4,862,753, 9-5-89, Cl. 73-863.230.
- Lovey, Allen J.: *See—*
  - Aig, Edward R.; Coffey, John W.; Lovey, Allen J. and Rosenberger, Michael, 4,883,613, Cl. 260-408.000.
  - Aig, Edward R.; Coffey, John W.; Lovey, Allen J.; and Rosenberger, Michael, 4,883,614, Cl. 260-413.000.
- Lovey, Raymond G.; and Elliott, Arthur J., to Schering Corporation. 1-Aryl-1-(1H-azol-1-ylalkyl)-1,3-dihydroisobenzofurans, related derivatives and pharmaceutical compositions thereof useful as antifungals. 4,877,801, 10-31-89, Cl. 548-336.000.
- Lovgren, Einar. System for installing wood door jambs and hardwood door trim. 4,840,002, 6-20-89, Cl. 52-213.000.
- Lovgren, Eric M.; and El-Tibi, Abdul-Kader A., to Baxter Travenol Laboratories, Inc. Soft tip catheter. 4,886,506, 12-12-89, Cl. 604-280.000.
- Lovgren, Kurt I.; Pilbrant, Ake G.; Yasumura, Mitsuru; Morigaki, Satoshi; Oda, Minoru; and Ohishi, Naohiro, to Aktiebolaget Hassle. Pharmaceutical formulations of acid labile substances for oral use. 4,853,230, 8-1-89, Cl. 424-466.000.
- Loviglio, Giuseppe: *See—*
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- Lovik, Craig J. Low cost balloon stuffing system. 4,809,483, 3-7-89, Cl. 53-434.000.
- Lovik, Craig J. Balloon stuffing system. 4,809,484, 3-7-89, Cl. 53-434.000.
- Lovik, Craig J. Balloon game and method of playing same. 4,848,773, 7-18-89, Cl. 273-318.000.
- Lovik, Craig J. Balloon sculpturing methods, apparatus and products. 4,850,926, 7-25-89, Cl. 446-222.000.
- Lovik, Craig J. Luminescent balloon and method of manufacture thereof. 4,864,990, 12-5-89, Cl. 446-220.000.
- Lovin, Joseph R.: *See—*
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- Lovine, Arnold M.: *See—*
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- Lovisolo, Pier P.: *See—*
  - Cozzi, Paolo; Pillan, Antonio; Bertone, Leone; and Lovisolo, Pier P., 4,801,711, Cl. 544-336.000.
- Lovley, Derek R., to United States of America, Interior. Microbial production of ultrafine-grained magnetite. 4,886,752, 12-12-89, Cl. 435-168.000.
- Lovrenich, Rodger T. Clamp actuated by induction motor. 4,812,731, 3-14-89, Cl. 318-800.000.
- Lovrenich, Rodger T., to El Paso Technologies Company. Distributed logic control system and method. 4,858,102, 8-15-89, Cl. 364-136.000.
- Lovshe, Laurie D.: *See—*
  - Waller, Duncan E.; and Lovshe, Laurie D., 4,806,575, Cl. 523-120.000.
- Low, Howard M.: *See—*
  - Bagchi, Pranab; Sterman, Melvin D.; and Low, Howard M., 4,855,219, Cl. 430-496.000.
- Low, Jim Y., to Phillips Petroleum Company. Apparatus for upgrading carbonaceous materials. 4,842,8, 6-27-89, Cl. 422-193.000.
- Low, Martin, to Sig Schweizerische Industrie-Gesellschaft. Apparatus for redistributing flat articles. 4,823,930, 4-25-89, Cl. 198-437.000.
- Low, Michael L.; and Craft, Jack, to RCA Licensing Corp. Current gain compensation arrangement. 4,853,647, 8-1-89, Cl. 330-256.000.
- Low, Samuel B.; Fetner, Alan E.; Clark, Arthur E., Jr.; Hench, Larry L.; and Wilson-Hench, June, to University of Florida. Periodontal osseous defect repair. 4,851,046, 7-25-89, Cl. 106-35.000.
- Lowdenslager, John R.: *See—*
  - Hafner, Warren G., Jr.; and Lowdenslager, John R., 4,827,205, Cl. 323-281.000.
- Lowe, Archie H.; Gooding, Addison; and Culwell, William S., to Duralux Industries, Inc. Power reducer for fluorescent lamps. 4,847,536, 7-11-89, Cl. 315-127.000.
- Lowe, Arthur C.: *See—*
  - Dunnett, Roy V.; Lowe, Arthur C.; and Grigg, Frederick C., 4,866,422, Cl. 340-539.000.
- Lowe, Barrie M.: *See—*
  - Casci, John L.; Lowe, Barrie M.; and Lowe, Thomas V., 4,836,96, Cl. 423-328.000.
  - Casci, John L.; Lowe, Barrie M.; and Lowe, Thomas V., 4,876,412, Cl. 585-640.000.
- Lowe, Barry M.: *See—*
  - Page, Steven J.; Wills, Derek P. M.; Lowe, Barry M.; Brown, John G.; Curtis, Neil J.; Hall, Adrian J.; and Holmes, Kim P., 4,849,893, Cl. 364-434.000.
- Lowe, Byron L.: *See—*
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- Lowe, Christopher H.; and Allen, Nicholas J. Dispensing device for soluble granular materials. 4,860,929, 8-29-89, Cl. 222-189.000.
- Lowe, Christopher R.: *See—*
  - Stead, Cecil V.; Burton, Steven J.; and Lowe, Christopher R., 4,851,528, Cl. 544-189.000.
  - Stead, Cecil V.; Burton, Steven J., and Lowe, Christopher R., 4,864,018, Cl. 530-351.000.
  - Stead, Cecil V.; and Lowe, Christopher R., 4,865,990, Cl. 435-803.000.
- Lowe, David J.; and Kemp, John, to Crane Packing Limited. Radially stable mechanical face seals. 4,795,169, 1-3-89, Cl. 277-87.000.
- Lowe, Donald J. Illuminated wind chime. 4,854,214, 8-8-89, Cl. 84-404.000.
- Lowe, Ed W., Jr. Anti-theft collar. 4,848,955, 7-18-89, Cl. 403-344.000.
- Lowe & Fletcher Limited: *See—*
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  - O'Connell, John; Jefferies, Roy S.; and Trevor-Jones, Hugh, 4,854,146, Cl. 70-277.000.
- Lowe, Frank J.: *See—*
  - Jones, Thomas P. H.; and Lowe, Frank J., 4,816,326, Cl. 428-224.000.
- Lowe, Greg E. Carabiner having improved gate structure. 4,811,467, 3-14-89, Cl. 24-241.0PS.
- Lowe, Greg E. Method and structure for attaching adjustable backpack straps. 4,860,936, 8-29-89, Cl. 224-210.000.
- Lowe, Jeffrey C.: *See—*
  - Newcombe, Haydn J.; and Lowe, Jeffrey C., 4,865,076, Cl. 137-602.000.
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  - Stewart, Jack; and Lowe, Jim, 4,887,960, Cl. 431-146.000.
- Lowe, John A., III, to Pfizer Inc. Quinazolinediones and pyridopyrimidinediones. 4,797,403, 1-10-89, Cl. 514-259.000.
- Lowe, John A., III; and Nagel, Arthur A., to Pfizer Inc. Aryl piperazinyl-(C_2 or C_4) alkylene heterocyclic compounds having neuroleptic activity. 4,831,031, 5-16-89, Cl. 514-254.000.
- Lowe, John A., III, to Pfizer Inc. Quinazolinediones and pyridopyrimidinediones. 4,880,810, 11-14-89, Cl. 514-258.000.
- Lowe, John A., III; and Nagel, Arthur A., to Pfizer Inc. Piperazinyl heterocyclic compounds. 4,883,795, 11-28-89, Cl. 514-253.000.
- Lowe, John D., to Puttru, Inc. Golf putter head. 4,867,457, 9-19-89, Cl. 273-167.00B.
- Lowe, Martin: *See—*
  - Chesworth, Peter; and Lowe, Martin, 4,826,525, Cl. 65-60.200.
- Lowe, Michael: *See—*
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- Lowe, Peter E.: *See—*
  - Muller, Peter H.; Lowe, Peter E.; Edwards, Peter R.; and Harris, Samuel W., 4,861,276, Cl. 439-365.000.
  - Muller, Peter H.; Lowe, Peter E.; Bleske, Randy J.; Bhargava, Vikram; Heberling, James R.; and Muntner, Donald A., 4,866,215, Cl. 174-50.000.
- Lowe, Robert S.: *See—*
  - Ellis, Ronald W.; Keller, Paul M.; Lowe, Robert S.; and Davison, Andrew J., 4,812,559, Cl. 536-27.000.
- Lowe, Robert W.: *See—*
  - Craythorne, Colin M.; Parsley, George; and Lowe, Robert W., 4,865,023, Cl. 128-80.00H.
- Lowe, Terry B. Bung opening locator and method. 4,838,096, 6-13-89, Cl. 73-865.800.
- Lowe, Terry J. Remote control holder. 4,838,505, 6-13-89, Cl. 248-176.000.
- Lowe, Thomas J.: *See—*
  - Wong, John M.; and Lowe, Thomas J., 4,882,059, Cl. 210-606.00
- Lowe, Thomas V.: *See—*
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  - Casci, John L.; Lowe, Barrie M.; and Lowe, Thomas V., 4,876,4 Cl. 585-640.000.
- Lowe, Tony; and Bernadic, Thomas, to GTE Valenite Corporation. Scalloped threader cutting insert. 4,854,785, 8-8-89, Cl. 407-115.00

- Lowe, Tony: *See—*
  - Bernadic, Thomas; Patterson, John; and Lowe, Tony, 4,856,942, Cl. 407-114.000.
- Lowe, Tony M.: *See—*
  - Bernadic, Thomas J.; Lowe, Tony M.; Patterson, John H.; Katbi, Karl A.; Zimmerman, Charles E.; and Val, Yefim, 4,846,609, Cl. 407-114.000.
  - Patterson, John H.; Lowe, Tony M.; Bernadic, Thomas J.; Val, Yefim; Katbi, Karl A.; and Zimmerman, Charles E., 4,859,122, Cl. 407-114.000.
- Lowe, Walter V.: *See—*
  - Stanley, Michael E.; Lowe, Walter V.; and Bynum, Byron G., 4,801,825, Cl. 307-473.000.
- Lowel, Helmut, to Standard Elektrik Lorenz Aktiengesellschaft. Circuit for amplifying and shaping an AC signal. 4,835,415, 5-30-89, Cl. 307-261.000.
- Lowel, Helmut, to Standard Elektrik Lorenz Aktiengesellschaft. Signal shaping circuit utilizing a magneto-resistor in a voltage divider circuit. 4,868,909, 9-19-89, Cl. 324-225.000.
- Lowell, Arthur I.: *See—*
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- Lowell, Thomas A. Component piano string angle gauge. 4,798,005, 1-17-89, Cl. 33-386.000.
- Lowenhaupt, Harris, to California Nickel Co. Nickel-containing leachate having low aluminum content. 4,861,371, 8-29-89, Cl. 75-101.00R.
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- Lowenson, Jeffrey; and Hessamian, Khosrow, to Hughes Aircraft Company. Pulse code modulation decommutator interfacing system. 4,833,466, 5-23-89, Cl. 340-825.500.
- Lowenstein, David: *See—*
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  - Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, 4,807,624, Cl. 128-355.000.
  - Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, 4,825,867, Cl. 128-355.000.
  - Gross, Joseph; Lowenstein, David; Tilman, Menachem; and Rosenberg, Etan, 4,858,600, Cl. 128-65.000.
- Lowenstein, Michael Z.: *See—*
  - Zucker, Myron; Jawernycky, Ronald G.; Lowenstein, Michael Z.; and Park, Gerald L., 4,818,947, Cl. 324-57.0DE.
- Lowenthal, Richard: *See—*
  - Holton, Robert A.; Juo, Rouh-Rong; and Lowenthal, Richard, 4,876,399, Cl. 568-817.000.
- Lowenthal, Richard W.; Reeber, Larke E.; Hoffman, Drew S.; and Ramsay, Michael, to Convergent Technologies. Multi-plane page mode video memory controller. 4,800,380, 1-24-89, Cl. 340-750.000.
- Lower, Edwin M., to Compaq Computer Corporation. Power supply for plasma display. 4,855,892, 8-8-89, Cl. 363-86.000.
- Lower, Loren D.: *See—*
  - Kamis, Russell P.; Klosowski, Jerome M.; and Lower, Loren D., 4,888,380, Cl. 524-588.000.
- Lower, Ralph: *See—*
  - Murray, Gary P.; Lower, Ralph; Dunham, Byron J.; and Bulla, Don A., 4,798,055, Cl. 62-127.000.
- Lower, William E.; and Pogue, Glenn J., to Rotex, Inc. Automatic particle-size analyzer with divided drum. 4,797,204, 1-10-89, Cl. 209-237.000.
- Lower, William E.; McCauley, W. Nash; Mitchell, Stephen C.; Robins, Roger C.; and Schmidt, Steven A., to Rotex, Inc. Louvered chip screener. 4,802,591, 2-7-89, Cl. 209-680.000.
- Lower, William E., to Rotex, Inc. Flexible connector for screening machine. 4,814,071, 3-21-89, Cl. 209-243.000.
- Lowery, Arthur N., to Gregg Foods of Portland, Inc. Meltable spread composition. 4,869,919, 9-26-89, Cl. 426-604.000.
- Lowery, Guy R.: *See—*
  - Shimada, Lynn M.; Lowery, Guy R.; and Lieber, Glen L., 4,819,751, Cl. 128-344.000.
- Lowery, Michael K.; Keegan, Richard E.; and Koshute, Mark A., to Mobay Corporation. Stable dispersions and the manufacture thereof. 4,847,320, 7-11-89, Cl. 524-722.000.
- Lowery, Michael K.; Keegan, Richard E.; and Koshute, Mark A., to Mobay Corporation. Process for the production of stable dispersions, the dispersions so produced, and the use thereof in the manufacture of polyurethanes. 4,855,352, 8-8-89, Cl. 524-728.000.
- Lowery, Richard E.; Fentress, Denton C.; and Godbehere, Don W., to Phillips Petroleum Company. Rapidly dispersible compositions of antimony pentoxide. 4,804,496, 2-14-89, Cl. 252-363.500.
- Lowey, Hans. Method of preparing controlled long-acting pharmaceutical formulations in unit dosage form having uniform and comparable bioavailability characteristics. 4,855,143, 8-8-89, Cl. 424-468.000.
- Lowitz, David A.: *See—*
  - Banyasz, Joseph L.; Burton, Aubrey T.; LaRoy, Bernard C.; and Lowitz, David A., 4,890,053, Cl. 324-58.50A.
- Lowman, Kent: *See—*
  - Fulton, Alfred L.; Lakhani, Kishor M.; Sampson, Scott D.; and Lowman, Kent, 4,851,864, Cl. 346-159.000.
- Lown, Robert R.: *See—*
  - Stahura, Daniel W.; and Lown, Robert R., 4,829,277, Cl. 335-306.000.
- Lowndes Corporation: *See—*
  - Lowndes, William, III; Gay, Francis V., II; and Gay, Benjamin A., 4,884,958, Cl. 425-62.000.
- Lowndes, William, III; Gay, Francis V., II; and Gay, Benjamin A., to Lowndes Corporation. Apparatus for setting up and pouring concrete forms. 4,884,958, 12-5-89, Cl. 425-62.000.
- Lowrance, Dan E.; Douglas, Donald L.; and Merryfield, David W., to Special Projects Manufacturing Inc. Apparatus for injecting balls into a well. 4,889,259, 12-26-89, Cl. 221-75.000.
- Lowrance, Darrell J.; and Weber, Ronald G., to Lowrance Electronics, Inc. Sonar fish finder apparatus providing split-screen display. 4,879,697, 11-7-89, Cl. 367-111.000.
- Lowrance Electronics, Inc.: *See—*
  - Lowrance, Darrell J.; and Weber, Ronald G., 4,879,697, Cl. 367-111.000.
- Lowrey, Tyler A., to Micron Technology, Inc. Sequence of etching polysilicon in semiconductor memory devices. 4,871,688, 10-3-89, Cl. 437-47.000.
- Lowrie, Amy L.: *See—*
  - Hodgens, Thomas A.; Lowrie, Amy L.; and Murphy, James R., 4,887,301, Cl. 382-9.000.
- Lowrie, David J.: *See—*
  - Gibbs, Roger H.; and Lowrie, David J., 4,843,216, Cl. 219-354.000.
- Lowry, Alan: *See—*
  - Gelardi, Anthony; Lowry, Alan; and Lovecky, Craig, 4,875,743, Cl. 312-13.000.
- Lowry, Alan B.: *See—*
  - Gelardi, Anthony L.; Geladri, John; Landry, Vincent E.; Pruneau, Diane C.; and Lowry, Alan B., 4,800,641, Cl. 29-436.000.
  - Gelardi, Paul J.; Gelardi, Anthony L.; Lowry, Alan B.; Lovecky, Craig S.; and Farr, Richard H., 4,850,477, Cl. 206-45.190.
  - Joannou, Kyriacos; Wilson, Kenneth; and Lowry, Alan B., 4,875,125, Cl. 360-128.000.
- Lowry, Edward S.; Van Horn, Earl C.; and Nixon, David M., to Digital Equipment Corporation. Method of integrating software application programs using an attributive data model database. 4,864,497, 9-5-89, Cl. 364-300.000.
- Lowry, Gerald R., to R. J. Reynolds Tobacco Company. Tobacco expansion process and apparatus. 4,870,980, 10-3-89, Cl. 131-296.000.
- Lowry, James D.; Nowicki, Neal R.; and Partenheimer, Walter, to Amoco Corporation. Process for the manufacture of trimellitic acid. 4,816,601, 3-28-89, Cl. 562-413.000.
- Lowry Jr., William L.; Woods, Maurice G.; and Martin, Charles A., to CH Guernsey & Company; Woods, Maurice G.; Woods, Teresa J.; and Applied Thermal Systems, Inc. Combined cycle waste-to-energy plant. 4,882,903, 11-28-89, Cl. 60-39.182.
- Lowry, Michael L.: *See—*
  - Niedringhaus, Joyce C.; and Lowry, Michael L., 4,874,428, Cl. 75-30.000.
- Lowry, Robert K.; and Adams, Edward U., to Harris Corporation. Method of etching silicon by enhancing silicon etching capability of alkali hydroxide through the addition of positive valence impurity ions. 4,859,280, 8-22-89, Cl. 156-662.000.
- Lowry, Steven P.: *See—*
  - Stratman, Dennis L.; and Lowry, Steven P., 4,813,809, Cl. 403-405.100.
- Lowski, Dieter: *See—*
  - Wolff, Erich; Lowski, Dieter; and Elias, Harry, 4,812,576, Cl. 548-362.000.
- Lowsky, John; Trierwiler, Scott; and Torchia, Nicholas, to Facet Enterprises, Inc. Plastic pressure relief valve assembly. 4,820,409, 4-11-89, Cl. 210-130.000.
- Lowson, James, to Lowson, James. Athletic pads. 4,868,926, 9-26-89, Cl. 2-22.000.
- Lowther, Frank E., to APTI, Inc. Nuclear-sized explosions without radiation. 4,873,928, 10-17-89, Cl. 102-323.000.
- Lowther, Mark P.: *See—*
  - Arzbaecher, Robert C.; Davis, D. J., Jr.; and Lowther, Mark P., 4,817,611, Cl. 128-642.000.
- Lowthian, Peter T., to National Research Development Corporation. Cushions. 4,819,288, 4-11-89, Cl. 5-481.000.
- Loxley, Russell A., to Rolls Royce plc. Pressure response flow control valve assembly. 4,846,210, 7-11-89, Cl. 137-110.000.
- Loy, Fernand R.; Perrin, Jean-Claude; and Rollin, Joel, to U.S. Philips Corporation. Device for correcting distortion. 4,840,465, 6-20-89, Cl. 350-421.000.
- Loy, Helmut M.; Eich, Armin; and Kohler, Sigurd, to GTE Products Corporation. Fluorescent lamp for unipolar mode of operation. 4,814,663, 3-21-89, Cl. 313-39.000.
- Loy, John S.: *See—*
  - Mittermaier, Armin E.; and Loy, John S., 4,864,696, Cl. 24-285.000.
- Loyal Kogyo Kabushiki Kaisha: *See—*
  - Koike, Fuji, 4,832,282, Cl. 242-129.720.
- Loyd, Bruce L., to Aeroquip Corporation. Ring fitting for dunnage track. 4,867,623, 9-19-89, Cl. 410-105.000.
- Loyd, Calvin D., to Caterpillar Inc. Nitriding grade alloy steel article. 4,853,049, 8-1-89, Cl. 148-318.000.
- Loyd, Larry M. Electric iron for heating heat-sensitive tape. 4,829,157, 5-9-89, Cl. 219-228.000.
- Loyd, Samuel A., Jr.: *See—*
  - Janssen, Alexander P.; and Loyd, Samuel A., Jr., 4,864,753, Cl. 40-535.000.
- Loza, Roman; Cooper, Arthur J.; and Coffey, Gerald P., to Standard Oil Company, The. Divalent ion tolerant aromatic sulfonates. 4,836,283, 6-6-89, Cl. 166-225.000.
- Loza, Roman; and Cyngier, Roseann M., to Standard Oil Company, The. C-branched zwitterionic surfactants and enhanced oil recovery method using same. 4,853,138, 8-1-89, Cl. 252-8.554.

Lozachmeur, Didier, to Societe Chimique des Charbonnages SA Tour Aurore. Aqueous suspension polymerization process of compositions containing styrene in the presence of rosin acid derivatives and their salts and expandable or non expandable polystyrene obtained. 4,814,355, 3-21-89, Cl. 521-56.000.

Lozachmeur, Didier, to Societe Chimique des Charbonnages Sa Tour Aurore. Aqueous suspension polymerization process of compositions containing styrene in the presence of rosin acid derivatives and their salts and expandable or non expandable polystyrene obtained. 4,859,730, 8-22-89, Cl. 524-274.000.

Lozano, Anthony R. Door assembly and components thereof applicable to increase resistance to forced entry. 4,832,388, 5-23-89, Cl. 292-340.000.

Lozano, Anthony R. Door assembly incorporating means to increase resistance to forced entry. 4,854,622, 8-8-89, Cl. 292-340.000.

Lozeau, Robert V.: *See—*
  Boyce, Stephen V.; Lozeau, Robert V.; and Farmer, Lawrence R., 4,837,900, Cl. 24-11.00P.

Lozovoi, Leonid N.: *See—*
  Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasilnikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A., 4,817,120, Cl. 378-45.000.

LP COM: *See—*
  Lubarsky, Andre; and Pospisil, Richard E., 4,841,437, Cl. 364-200.000.

LPI Limited Partnership: *See—*
  Romano, Perry, 4,872,098, Cl. 362-283.000.

LPW Reinigungstechnik GmbH: *See—*
  Koblenzer, Heinz; Hosel, Peter; Staudinger, Franz; and Franke, Klaus, 4,844,743, Cl. 134-11.000.

LRC Electronics, Inc.: *See—*
  Samchisen, Edward J., 4,834,675, Cl. 439-578.000.

LRI L.P.: *See—*
  L'Esperance, Francis A., Jr., 4,798,204, Cl. 128-303.100.

LSI Corporation of America, Inc.: *See—*
  Wrobel, Keith A.; and Mechelke, Joel D., 4,856,746, Cl. 248-250.000

LSI Logic Corporation: *See—*
  Chan, Steven S., 4,845,390, Cl. 307-602.000.
  Hui, Alex C.; Wong, Anthony Y.; Dell'Oca, Conrad J.; Wong, Daniel; and Szeto, Roger, 4,884,118, Cl. 357-45.000.
  Long, Jon; and Sahakian, V. K., 4,800,419, Cl. 357-70.000.
  Patrick, Roger, 4,879,257, Cl. 437-195.000.
  Sahakian, Vahak K., 4,890,154, Cl. 357-74.000.
  Watkins, Daniel; Wong, Jimmy; and Ennghillis, Pavlina, 4,878,174, Cl. 364-200.000.
  Wong, Anthony Y.; Wong, Daniel; and Chan, Steven S., 4,859,870, Cl. 307-263.000.

LSL, Inc.: *See—*
  Nahum, Kedar, 4,843,186, Cl. 800-1.000.

LTJ Enterprises, Inc.: *See—*
  Johnson, Lenard W.; and Johnson, Thomas C., 4,829,820, Cl. 73-290.00R.
  Johnson, Thomas C.; and Johnson, Lenard W., 4,799,383, Cl. 73-290.00R.

LTV A&D Sierra Research Division: *See—*
  Giori, Francis A., 4,803,489, Cl. 342-192.000.

LTV Aerospace and Defense Company: *See—*
  Dance, William E., 4,830,813, Cl. 376-110.000.
  Davis, Daren C.; and Earle, George A., III, 4,862,649, Cl. 51-437.000.
  Doane, James R.; and Sulecki, Joan M., 4,814,994, Cl. 364-460.000.
  Earle, George A., III, 4,827,679, Cl. 51-410.000.
  Ehrenhalt, Dan; and Giles, George R., 4,841,258, Cl. 332-9.00R.
  Ehrenhalt, Dan; and Giles, George R., 4,847,517, Cl. 307-270.000.
  Ehrenhalt, Dan; and Giles, George R., 4,868,532, Cl. 336-82.000.
  Ehrenhalt, Dan; and Giles, George R., 4,868,533, Cl. 336-82.000.
  Freitag, Douglas W., 4,840,763, Cl. 264-65.000.
  Heinzman, Homer W., 4,826,275, Cl. 350-96.160.
  Henry, Winston L., 4,826,380, Cl. 411-377.000.
  Miller, Grady A., Jr., 4,842,184, Cl. 228-180.100.
  Miller, Grady A., Jr., 4,868,980, Cl. 29-850.000.
  Pekar, Gary W.; Mason, Jack W.; and Blanc, Michael, 4,876,800, Cl. 33-784.000.
  Reinagel, Frederick G., 4,808,854, Cl. 307-473.000.
  Reinagel, Frederick G., 4,881,162, Cl. 364-176.000.
  Schwartz, Robert J.; and Reinagel, Frederick G., 4,801,923, Cl. 341-144.000.
  Shelor, Charles F., 4,807,184, Cl. 364-900.000.
  Shuford, David M., 4,830,919, Cl. 428-408.000.
  Smith, R. Craig; and Allevato, John J., 4,848,042, Cl. 51-410.000.
  Stone, Earl L., III; Foster, James C.; and Whitcher, Stanley L., 4,862,763, Cl. 74-572.000.
  Welch, Albert B., 4,831,333, Cl. 330-4.300.

LTV Steel Company, Inc.: *See—*
  Held, John F.; and Lauer, Barry A., 4,806,177, Cl. 148-320.000.

Lu, Chang-shi, to Parker-Hannifin Corporation. Apparatus for supplying fuel under negative gravity conditions. 4,813,445, 3-21-89, Cl. 137-38.000.

Lu, Chao-Hsiung, to Formosa Shinn Yuan Industrial Co., Ltd. Overhang structure. 4,796,391, 1-10-89, Cl. 52-73.000.

Lu, Cheng-Fa; and Nelson, Lawrence L., to Hercules Incorporated. Aqueous mineral dispersions. 4,801,403, 1-31-89, Cl. 252-378.00R.

Lu, Chih-Hsiung; and Lu, Jill Hui-Ju. Glare-proof shield for outside rear view car mirrors. 4,865,421, 9-12-89, Cl. 350-276.00R.

Lu, Chih-Hsiung; and Lu, Jill H. Glare-proof inside rear view car mirror. 4,865,422, 9-12-89, Cl. 350-281.000.

Lu, Chih-Hsiung; and Lu, Jill H. Anti-glare shield for the front windshield of cars. 4,874,195, 10-17-89, Cl. 296-97.400.

Lu, Chih-Yuan: *See—*
  Chen, Min-Liang; Leung, Chung W.; Lu, Chih-Yuan; and Tsai, Nun-Sian, 4,886,765, Cl. 437-200.000.
  Lee, Kuo-Hua; Lu, Chih-Yuan; and Yaney, David S., 4,844,776, Cl. 156-653.000.

Lu, Chin H.; and Chow, Joseph S., to Xerox Corporation. Liquid toner compositions with amino acids and polyvalent metal complexes as charge control additives. 4,851,316, 7-25-89, Cl. 430-115.000.

Lu, Choing-Liang: *See—*
  Baker, Robert C.; Fugigaki, Arturo H.; Lu, Choing-Liang; and Hotchkiss, Joseph H., 4,849,232, Cl. 426-92.000

Lu, Daozheng, to A. C. Nielsen Company. Image recognition audience measurement system and method. 4,858,000, 8-15-89, Cl. 358-84.000

Lu, David D.: *See—*
  Klun, Thomas P.; Lu, David D.; and Robbins, Aida F., 4,855,184, Cl. 428-425.100.

Lu, David Y.; and Bowman, Robert L., to United States of America, Health and Human Services. Catheter with oxyhydrogen catalytic thermal [illegible] 4,796,622, 1-10-89, Cl. 128-303.100.

Lu, Hsi H. Method for restressing and locking HHL anchor. 4,862,576, 9-5-89, Cl. 29-452.000.

Lu, James. Cordless conducting means for lamp. 4,858,092, 8-15-89, Cl. 362-413.000.

Lu, James W. B., to McCord Heat Transfer Corporation. Undulated heat exchanger fin. 4,821,795, 4-18-89, Cl. 165-151.000.

Lu, Jau T., to Taiwan Silver Star Industrial Co., Ltd. Screwdriver 4,846,027, 7-11-89, Cl. 81-57.300.

Lu, Jill H.: *See—*
  Lu, Chih-Hsiung; and Lu, Jill H., 4,865,422, Cl. 350-281.000.
  Lu, Chih-Hsiung; and Lu, Jill H., 4,874,195, Cl. 296-97.400.

Lu, Jill Hui-Ju: *See—*
  Lu, Chih-Hsiung; and Lu, Jill Hui-Ju, 4,865,421, Cl. 350-276.00R.

Lu Lamellen und Kupplungsbau GmbH: *See—*
  Jackel, Johann, 4,821,855, Cl. 192-3.290.

Lu, Mou-Ying F.; and Borodkin, Saul, to Abbott Laboratories. Antibiotic-polymer compositions. 4,808,411, 2-28-89, Cl. 424-441.000.

Lu, Neng-Hsing: *See—*
  Lambert, William R.; Lu, Neng-Hsing; and Rust, Ray D., 4,820,376, Cl. 156-643.000.

Lu, Nicky C.: *See—*
  Davari, Bijan; Hwang, Wei; and Lu, Nicky C., 4,881,105, Cl. 357-23.400.
  Hwang, Wei; and Lu, Nicky C., 4,816,884, Cl. 357-23.600.
  Hwang, Wei; and Lu, Nicky C., 4,833,516, Cl. 357-23.600.

Lu, Nicky C. C.: *See—*
  Dhong, Sang H.; and Lu, Nicky C. C., 4,816,706, Cl. 307-530.000.

Lu, Pang-Chia, to Mobil Oil Corporation. HdPE films with imbalanced biaxial orientation. 4,870,122, 9-26-89, Cl. 524-488.000.

Lu, Paul P., to Dow Corning Corporation. Infusible preceramic polymers via nitric oxide treatment. 4,847,027, 7-11-89, Cl. 264-65.000.

Lu, Renxia: *See—*
  Yang, Jinyu; and Lu, Renxia, 4,851,915, Cl. 358-213.190.

Lu, Richard: *See—*
  Shepard, G. Dudley; Smith, I. Stuart; Christensen, Stephen R.; and Lu, Richard, 4,804,896, Cl. 318-568.000.

Lu, Shih-Lai; and Wong, Andrew H., to Minnesota Mining and Manufacturing Company. Easy open closure system. 4,853,267, 8-1-89, Cl. 428-35.700.

Lu, Sun, to Mead Corporation, The. Method and apparatus for creating a photomask for projecting an image. 4,814,799, 3-21-89, Cl. 346-160.000.

Lu, Tongjing: *See—*
  Huang, Tongnian; You, Dengyun; Lu, Tongjing; Kang, Deyun; and Duan, Rongan, 4,831,872, Cl. 73-162.000.

Lu, Tsann T. Multi-purpose album. 4,822,195, 4-18-89, Cl. 402-53.000.

Lu, Tsann T. Screen-like photo album. 4,830,404, 5-16-89, Cl. 281-2.000.

Lu, Tsann T.: *See—*
  Huang, Feng M.; and Lu, Tsann T., 4,831,756, Cl. 40-158.100.

Lu, Xiaochuan R.: *See—*
  Shepard, G. Dudley; Smith, I. Stuart; Christensen, Stephen R.; and Lu, Xiaochuan R., 4,816,727, Cl. 318-568.000.

Luallin, John M.: *See—*
  Nagengast, William E.; and Luallin, John M., 4,833,572, Cl. 362-61.000.

Lubahn, Douglas H. Anchoring method and display apparatus for use therein. 4,856,450, 8-15-89, Cl. 114-293.000.

Lubarsky, Andre; and Pospisil, Richard E., to LP COM. System architecture for a test apparatus having primary and dependent processors. 4,841,437, 6-20-89, Cl. 364-200.000.

Lubarsky, Dan. System for interfacing a digital encryption device to a time-division multiplexed communication system. 4,866,773, 9-12-89, Cl. 380-48.000.

Lubarsky, Daniel P., to Pacific Bell. Multiplexer and computer network using the same. 4,890,279, 12-26-89, Cl. 370-58.100.

Lubart, Neil D.: *See—*
  Demke, Kent R.; and Lubart, Neil D., 4,834,506, Cl. 350-333.000.

Lubbehusen, Paul; Eberhard, Norbert; and Hoppe, Hans, to Waeschle Maschinenfabrik GmbH. Apparatus for pneumatically conveying bulk material. 4,861,200, 8-29-89, Cl. 406-14.000.

Lubbering, Johannes: *See—*
  Otto, Gunter, 4,846,285, Cl. 173-12.000.

Lubbers, Dietrich W.: *See—*
  Opitz, Norbert; and Lubbers, Dietrich W., 4,889,690, Cl. 422-73.000.

Lubbers, Willi, to Nico-Pyrotechnik Hanns-Jurgen Diederichs GmbH & Co. KG. Cartridged ammunition. 4,815,387, 3-28-89, Cl. 102-439.000.

Lubcke, Hartmut: *See—*
  Backhaus, Martin; Ahrens, Werner; and Lubcke, Hartmut, 4,811,336, Cl. 370-67.000.

Lubcke, Torsten: *See—*
  Kettner, Roland; Liermann, Norbert; and Lubcke, Torsten, 4,857,297, Cl. 423-576.800.

Luber, Joseph R.: *See—*
  Buehler, John D.; Luber, Joseph R.; and Grim, Wayne M., 4,869,902, Cl. 424-686.000.

Luberne, Patricia: *See—*
  Seinera, Henri; Luberne, Patricia; Stock, Claude; and Trouve, Patrick, 4,803,231, Cl. 523-219.000.
  Seinera, Henry; Luberne, Patricia; Stock, Claude; and Trouve, Patrick, 4,889,879, Cl. 524-13.000.

Lubetzky, David: *See—*
  Sharvit, Joseph; and Lubetzky, David, 4,801,716, Cl. 546-345.000.
  Sharvit, Joseph; Lubetzky, David; and Pereferkovich, Abraham A., 4,810,797, Cl. 546-345.000.

Lubiarz, Arthur F., to Crankshaft Machine Company. Helical broach puller. 4,859,125, 8-22-89, Cl. 409-287.000.

Lubin, Barry D.: *See—*
  Finley, Roger W.; Lubin, Barry D.; and Bergendahl, Bruce A., 4,860,281, Cl. 370-15.000.

Lubino, Yves: *See—*
  Carden, Matthew J.; Lantz, Kim; Reh, Theresa L.; Trytten, Anne; and Lubino, Yves, 4,887,260, Cl. 370-60.000.

Lubinsky, Anthony R.; Schmitt, James F.; and Pillman, Ann K., to Eastman Kodak Company. Process for correcting across-the-head nonuniformity in thermal printers. 4,827,279, 5-2-89, Cl. 346-1.100.

Lubinsky, Anthony R.; Schmitt, James F.; and Krajewski, Cory L., to Eastman Kodak Company. Process for correcting down-the-page nonuniformity in thermal printing. 4,827,281, 5-2-89, Cl. 346-1.100.

Lubitz, Eric P., to Halliburton Company. Retrievable gravel packer and retrieving tool. 4,842,057, 6-27-89, Cl. 166-51.000.

Lubitz, Klaus; and Suttner, Wolfgang, to Elektra-Beckum Lubitz & Co. Modular high pressure pump. 4,824,335, 4-25-89, Cl. 417-360.000.

Lubke, Eberhard: *See—*
  Sodler, Walter; Lubke, Eberhard; and Kuhlmann, Otto, 4,813,505, Cl. 177-212.000.

Lubniewski, Michael. Electronic racing game apparatus and methods. 4,844,462, 7-4-89, Cl. 273-86.00B.

Lubock, Paul; and Sullivan, Mike, to Shiley Inc. Releasable holder and package assembly for a prosthetic heart valve. 4,801,015, 1-31-89, Cl. 206-438.000.

Luboski, Mark: *See—*
  Floro, William E.; Luboski, Mark; Murphy, Timothy J.; and Campbell, Alan J., 4,809,217, Cl. 364-900.000.
  Struger, Odo J.; Luboski, Mark; and Murphy, Timothy J., 4,882,702, Cl. 364-900.000.

Lubowitz, Hyman R.; and Sheppard, Clyde H., to Boeing Company, The. Blended polyamide oligomers. 4,847,333, 7-11-89, Cl. 525-432.000.

Lubowitz, Hyman R.; and Sheppard, Clyde H., to Boeing Company, The. Polyethersulfone prepregs, composites, and blends. 4,851,501, 7-25-89, Cl. 528-170.000.

Lubowitz, Hyman R.; Sheppard, Clyde H.; and Stephenson, Ronald R., to Boeing Company, The. Heterocycle sulfone oligomers and blends. 4,868,270, 9-19-89, Cl. 528-170.000.

Lubowitz, Hyman R.; and Sheppard, Clyde H., to Boeing Company, The. Polysulfone and polyethersulfone oligomers. 4,871,475, 10-3-89, Cl. 252-500.000.

Lubowitz, Hyman R.; and Sheppard, Clyde H., to Boeing Company, The. Polyamide composition. 4,876,328, 10-24-89, Cl. 528-322.000.

Lubowitz, Hyman R.: *See—*
  Sheppard, Clyde H.; and Lubowitz, Hyman R., 4,851,495, Cl. 528-170.000.
  Unger, Samuel L.; Telles, Rodney W.; and Lubowitz, Hyman R., 4,859,395, Cl. 264-254.000.

Lubraniecki, Jacques. Vacuum cleaner with an airtight flexible bag. 4,811,453, 3-14-89, Cl. 15-347.000.

Lubranski, Leon; and Sattler, Theodore J. Fabrication of leaded packages. 4,841,630, 6-27-89, Cl. 29-827.000.

Lubrizol Corporation, The: *See—*
  Adams, Paul E.; and Kinzer, Darryl W., 4,876,374, Cl. 558-109.000.
  Clark, Alan C.; Richards, Edward P.; and Shaw, Douglas R., 4,879,022, Cl. 209-166.000.
  DiBiase, Stephen A.; and Pialet, Joseph W., 4,800,031, Cl. 252-47.500.
  Forsberg, John W., 4,828,633, Cl. 149-2.000.
  Forsberg, John W.; Mullay, John J.; and Sohara, Joseph A., 4,840,687, Cl. 149-2.000.
  Forsberg, John W., 4,844,756, Cl. 149-2.000.
  Forsberg, John W., 4,863,534, Cl. 149-2.000.
  Hallenburg, Douglas J.; Clark, Alan C.; and Hambrick, James L., 4,808,344, Cl. 260-513.00N.
  Higgins, William A., 4,833,184, Cl. 524-60.000.
  Hopkins, David L., 4,836,857, Cl. 106-284.400.
  Johnston, Thomas E.; and Dorer, Casper J., Jr., 4,804,389, Cl. 44-70.000.
  Koch, Frederick W.; Evans, Gail A.; Dorer, Casper J., Jr.; and Del Paggio, Alan A., 4,816,038, Cl. 44-68.000.
  Kostusyk, Joseph L.; and Rizvi, Syed Q. A., 4,880,553, Cl. 252-58.000.
  Lange, Richard M., 4,839,068, Cl. 252-33.600.
  Miller, H. Richard, 4,889,880, Cl. 524-71.000.
  Munson, Jeffrey F.; Rizvi, Syed Q. A.; and Di Biase, Stephen A., 4,804,489, Cl. 252-32.70E.
  Murphy, John P., 4,800,032, Cl. 252-51.50A.
  Quinn, Robert E., 4,843,126, Cl. 525-162.000.
  Rizvi, S. Q. Abbas; Bryant, Charles P.; Grover, Kent B.; and Vinci, James N., 4,846,985, Cl. 252-47.500.
  Salomon, Mary F., 4,798,684, Cl. 252-47.500.
  Sopko, Thomas M.; and Lorentz, Richard E., 4,812,544, Cl. 526-73.000.
  Tipton, Craig D.; and Schwind, James J., 4,849,123, Cl. 252-75.000.
  Van Lier, Frank M., 4,806,210, Cl. 203-89.000.
  Vinci, James N.; and Scharf, Curtis R., 4,873,006, Cl. 252-38.000.
  Ward, William C., Jr., 4,846,983, Cl. 252-33.600.
  Yodice, Richard, 4,839,322, Cl. 502-159.000.

Lubrizol Genetics, Inc.: *See—*
  Ahlquist, Paul G., 4,885,248, Cl. 435-172.300.
  Appelbaum, Edward R., 4,803,165, Cl. 435-172.300.
  Appelbaum, Edward R.; McLoughlin, Thomas J.; and O'Connell, Michael P., 4,818,696, Cl. 435-172.300.
  Barwale, Usha B.; and Widholm, Jack M., 4,857,465, Cl. 435-240.490.
  Dart, Peter J.; and Hebber, K. Prakash, 4,798,723, Cl. 424-93.000.
  Hoffman, Leslie M., 4,870,015, Cl. 435-172.300.
  Larkins, Brian; Cuellar, Richard E.; and Wallace, John C., 4,885,357, Cl. 530-373.000.
  Larkins, Brian; Cuellar, Richard E.; Wallace, John C.; and Galili, Gad, 4,886,878, Cl. 536-26.000.

LuBudde Engineering Corporation: *See—*
  LaBudde, Edward V., 4,829,305, Cl. 342-127.000.

Luby, Jeffrey C. Anti-theft battery. 4,832,146, 5-23-89, Cl. 180-287.000.

Luc-Co., Inc.: *See—*
  Moody, Leonardo, 4,840,045, Cl. 63-12.000.

Luc, Mary; and Barazesh, Bahman, to Telecommunications Radioelectriques et Telephoniques T.R.T. Processor for signal processing and hierarchical multiprocessing structure including at least one such processor. 4,845,660, 7-4-89, Cl. 364-900.000.

Lucak, John M. Finishing tile. 4,821,479, 4-18-89, Cl. 52-603.000.

Lucas, Adrian D.: *See—*
  Apps, Howard R.; Lucas, Adrian D.; and Fairhall, Philip C., 4,878,369, Cl. 72-12.000.

Lucas, Alfred R.: *See—*
  Fisch, Kenneth D.; Lucas, Alfred R.; and Willard, David F., 4,873,520, Cl. 340-825.440.

Lucas, Arthur W.: *See—*
  Larrabee, John R.; Lucas, Arthur W.; and Faucher, Peter A., 4,859,143, Cl. 415-142.000.

Lucas, Bohumir: *See—*
  Baschang, Gerhard; Hartmann, Albert; Hirt, Hans; Lucas, Bohumir; and Wirz, Peter, 4,885,285, Cl. 514-114.000.

Lucas, Charles H., to Hughes Aircraft Company. Circuit for reducing differential nonlinearities in multi-stage digital-to-analog converters. 4,857,930, 8-15-89, Cl. 341-150.000.

Lucas, Charles H., to Hughes Aircraft Company. Three-terminal MOS integrated circuit switch. 4,857,984, 8-15-89, Cl. 357-41.000.

Lucas, Dave: *See—*
  Stott, Gerald H.; and Lucas, Dave, 4,816,252, Cl. 424-85.800.

Lucas, David O.: *See—*
  Stott, Gerald H.; and Lucas, David O., 4,834,974, Cl. 424-85.800.

Lucas, Eric E., to Quaker Oats Company, The. Toy rotatable grill kabob. 4,857,031, 8-15-89, Cl. 446-481.000.

Lucas, Gary M.: *See—*
  Wengrovius, Jeffrey H.; Hallgren, John E.; Stein, Judith; and Lucas, Gary M., 4,863,992, Cl. 524-731.000.

Lucas, Gary P.: *See—*
  Markland, Eric; Tofield, Graham M.; Lucas, Gary P.; and Kalsi, Hardyal S., 4,838,091, Cl. 73-861.190.

Lucas, George A., Jr.; and Garcia, Richard. Grape thinning tool. 4,805,307, 2-21-89, Cl. 30-294.000.

Lucas, Gordon H.; and Giles, Randy K., to Hearthstone Builders, Inc. Construction log and associated corner construction. 4,840,003, 6-20-89, Cl. 52-233.000.

Lucas, Gordon H.; and Giles, Randy K., to Hearthstone Builders, Inc. Log surface hewing process. 4,871,003, 10-3-89, Cl. 144-369.000.

Lucas, Hermann-Josef: *See—*
  Brinkmann, Bernd; and Lucas, Hermann-Josef, 4,798,878, Cl. 528-28.000.

Lucas Huerta, Antonio, to Simes-Senco, S.A. Process and devices for tying crossing elements. 4,838,726, 6-13-89, Cl. 403-397.000.

Lucas, Ian R., to U.S. Philips Corp. Monitor system for traffic-lights. 4,811,010, 3-7-89, Cl. 340-642.000.

Lucas, Ian R., to U.S. Philips Corp. Monitoring a conflict detector for traffic-lights. 4,835,534, 5-30-89, Cl. 340-931.000.

Lucas Industries: *See—*
  Black, George F., 4,804,923, Cl. 328-26.000.
  Farr, Glyn P. R., 4,883,327, Cl. 303-116.000.
  Hunt, Peter, 4,888,510, Cl. 310-54.000.
  Mortimer, Ivan; and Farr, Glyn P. R., 4,813,338, Cl. 91-369.200.
  Reynolds, Desmond H. J., 4,813,236, Cl. 60-585.000.
  Smith, Trevor S., 4,856,275, Cl. 60-39.281.

Lucas Industries Limited: *See—*
Colgate, Brian M., 4,795,003, Cl. 188-71.400.
Flynn, Derek J.; Thomas, Alfred W.; and Pickering, John F., 4,827,720, Cl. 60-547.100.
Price, Anthony G.; Campbell, Roy; and Henson, Eric, 4,796,730, Cl. 188-71.600.
Lucas Industries public limited company: *See—*
Abinett, Raymond E.; and Collingborn, Peter A. G., 4,844,033, Cl. 123-383.000.
Andrews, Richard J.; and Greeves, Godfrey, 4,848,668, Cl. 239-533.500.
Best, Christopher H., 4,881,504, Cl. 123-447.000.
Birch, Barry, 4,841,238, Cl. 324-144.000.
Bodley-Scott, Jamie, 4,817,040, Cl. 364-424.040.
Brearley, Malcolm; and Moseley, Richard B., 4,795,219, Cl. 303-9.690.
Brearley, Malcolm; Phillips, Mark I.; Prescott, Robert D.; and Ross, Colin F., 4,852,953, Cl. 303-111.000.
Campbell, Roy; Green, Andrew P.; Price, Anthony G.; and Parry, David, 4,862,998, Cl. 188-71.600.
Campbell, Roy; Price, Anthony G.; and Green, Andrew P., 4,865,168, Cl. 188-264.00P.
Campbell, Roy; Price, Anthony G.; and Green, Andrew P., 4,883,149, Cl. 188-264.00E.
Campbell, Roy; and Price, Anthony G., 4,884,494, Cl. 92-129.000.
Capewell, Terence J., 4,864,882, Cl. 74-411.500.
Cayot, Jean-Francois, 4,831,991, Cl. 123-516.000.
Clive, Robert J.; and Emerson, Keith K., 4,825,333, Cl. 361-154.000.
Cockerham, Kevin, 4,797,827, Cl. 364-431.030.
Cockerham, Kevin, 4,881,401, Cl. 73-35.000.
Cockerham, Kevin; and Packwood, Simon W., 4,887,456, Cl. 73-35.000.
Colgate, Brian M., 4,884,404, Cl. 60-581.000.
Crowther, Simon N., 4,797,108, Cl. 437-41.000.
Davies, Stephen H., 4,886,154, Cl. 192-141.000.
Erben, Ralf; Langert, Albert; Madzgalla, Frank-Wilhelm; and Madzgalla, Hans-Georg, 4,860,858, Cl. 188-71.800.
Farr, Glyn P. R., 4,822,115, Cl. 303-116.000.
Farr, Glyn P. R., 4,846,533, Cl. 303-113.000.
Fuller, Robert G., 4,880,075, Cl. 180-219.000.
Gaskell, David J., 4,836,454, Cl. 239-533.900.
Gaskell, David J., 4,852,803, Cl. 239-86.000.
Gaskell, David J., 4,889,288, Cl. 239-533.500.
Giering, Wilfried, 4,830,149, Cl. 188-71.900.
Green, Andrew P., 4,795,006, Cl. 188-196.00P.
Greeves, Godfrey; and Fry, Robert J., 4,872,614, Cl. 239-533.900.
Greeves, Godfrey; Potter, James C.; Andrews, Richard J.; and Harris, Kenneth M., 4,874,301, Cl. 417-462.000.
Haines, Steven N. M., 4,831,989, Cl. 123-506.000.
Harmer, George A., 4,842,104, Cl. 188-79.510.
Harris, Kenneth M., 4,803,889, Cl. 74-53.000.
Harris, Paul A., 4,849,967, Cl. 370-85.000.
Harrison, Anthony W., 4,799,355, Cl. 60-562.000.
Harrison, Anthony W., 4,809,819, Cl. 188-719.000.
Harrison, Anthony W., 4,840,257, Cl. 188-196.00D.
Harrison, Anthony W., 4,844,559, Cl. 303-119.000.
Haworth, Roy; and Russell, Michael F., 4,825,689, Cl. 73-116.000.
Heathcote, Geoffrey L., 4,833,352, Cl. 310-15.000.
Heibel, Helmut, 4,852,700, Cl. 188-73.430.
Hillen, Klaus; and Beuerle, Christoph, 4,817,763, Cl. 188-73.200.
Hunt, Timothy J.; and Craske, Hadyn L., 4,887,698, Cl. 188-325.000.
Law, David J. C.; and Panesar, Lukhbir S., 4,873,959, Cl. 123-458.000.
Law, David J. C.; and Panesar, Lukhbir S., 4,877,005, Cl. 123-458.000.
Logie, Frank M.; and Potter, James C., 4,869,462, Cl. 251-129.160.
Mainprize, David, 4,819,600, Cl. 123-425.000.
Margetts, Hugh G., 4,809,822, Cl. 188-72.700.
Margetts, Hugh G.; England, Michael J.; and Hayward, Stephen, 4,815,571, Cl. 188-79.620.
McCann, Denis J.; Dawson, Stuart B.; and Ward, Andrew J., 4,887,871, Cl. 303-113.000.
McHale, Anthony; and Frith, Andrew P., 4,841,933, Cl. 123-419.000.
McKay, Richard J.; and Hudson, Philip, 4,844,125, Cl. 137-625.650.
Micke, Sigmar, 4,887,697, Cl. 188-79.620.
Plant, Anthony B., 4,882,545, Cl. 328-138.000.
Price, Anthony G.; and Campbell, Roy, 4,809,588, Cl. 92-23.000.
Price, Anthony G., 4,852,351, Cl. 60-545.000.
Renowden, Paul S.; Kenning, John H.; and Johnson, Ian S., 4,807,812, Cl. 239-132.000.
Renowden, Paul S., 4,813,610, Cl. 239-499.000.
Reynolds, Desmond H. J., 4,823,553, Cl. 60-585.000.
Samuel, James J.; and Tingey, Albert R., 4,848,300, Cl. 123-489.000.
Schluter, Peter, 4,794,757, Cl. 60-562.000.
Schofield, Clifford R., 4,825,726, Cl. 74-801.000.
Smith, John D.; and Vanes, Stephen E., 4,881,983, Cl. 148-16.600.
Smith, Trevor S., 4,825,901, Cl. 137-468.000.
Taft, Philip A., 4,794,844, Cl. 91-376.00R.
Thomas, Gerald S., 4,804,143, Cl. 239-126.000.
Thornthwaite, Ian R.; and Bond, Robert S., 4,798,189, Cl. 123-502.000.
Thornthwaite, Ian R., 4,802,453, Cl. 123-450.000.
Thornthwaite, Ian R.; and Wardley, Robin E., 4,807,583, Cl. 123-516.000.
Tickle, Colin J. F.; and Burns, Robert L. D., 4,807,726, Cl. 188-73.320.
Turner, Ronald F., 4,856,714, Cl. 239-533.900.
Urban, John A., 4,813,516, Cl. 188-79.550.
Urban, John A., 4,838,390, Cl. 188-79.550.
Wakeman, Anthony C.; Ironside, John M.; Holmes, Michael; and Barnard, Simon C., 4,843,556, Cl. 364-431.080.
Wall, Robin C.; and O'Nien, Stephen J., 4,869,648, Cl. 417-206.000.
Wall, Robin C., 4,870,889, Cl. 91-49.000.
West, John G. W., 4,797,602, Cl. 322-10.000.
Willis, Christopher A., 4,810,990, Cl. 336-75.000.
Woolcott, Peter J., 4,849,604, Cl. 219-207.000.
Worby, Donald; and Thomas, Gerald S., 4,887,944, Cl. 417-490.000.
Wrench, Nigel C., 4,811,821, Cl. 188-79.620.
Lucas International S.R.L.: *See—*
Italici, Rino, 4,854,732, Cl. 383-6.000.
Lucas, James F.; and Coody, Bruce F., to Diversified Products Corporation. Dual action cycle exerciser. 4,880,225, 11-14-89, Cl. 272-73.000.
Lucas, James R.: *See—*
Ricketts, Jon E.; Lucas, James R.; and Matousek, Robert A., 4,869,272, Cl. 460-100.000.
Lucas, Jean: *See—*
Montalescot, Jean-Bernard; Camus, Guy; and Lucas, Jean, 4,867,103, Cl. 119-14.080.
Lucas, Jean P.: *See—*
Eberhardt, Andre; Dominiak, Serge; Berveiller, Marcel; Lucas, Jean P.; and Guyon, Robert P. Y., 4,857,387, Cl. 428-209.00
Lucas, Keith; and van Rassel, William F., to Scientific Atlanta, Inc. Method and apparatus for increasing the vertical definition of a transmitted television signal. 4,866,519, 9-12-89, Cl. 358-140.000.
Lucas, Keith, to Scientific-Atlanta, Inc. Information display scheme for subscribers of a subscription television system. 4,885,775, 12-5-89, Cl. 380-10.000.
Lucas, Keith: *See—*
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rasse William; Yoneda, Robert; and Lucas, Keith, 4,829,569, C 380-10.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rasse William; Yoneda, Robert; and Lucas, Keith, 4,866,770, C 380-20.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rasse William; Yoneda, Robert; and Lucas, Keith, 4,890,319, C 380-5.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rasse William; Yoneda, Robert; and Lucas, Keith, 4,890,321, C 380-20.000.
Lucas, Kevin A.: *See—*
McGill, Ian R.; and Lucas, Kevin A., 4,828,933, Cl. 428-610.00
Lucas Ledex Inc.: *See—*
Mohler, David B., 4,847,581, Cl. 335-229.000.
Mohler, David B., 4,855,700, Cl. 335-229.000.
Lucas, Marthe. Packing device of an oval shape in cross-section, an comprising a cap of a same shape to be fixed in a tight manner to th packing device. 4,844,269, 7-4-89, Cl. 215-331.000.
Lucas, Michael A.; and Hughes, Terry C., to Chamber Ridge Pty. Ltd Systems for the direct analysis of solid samples by atomic emissio spectroscopy. 4,824,249, 4-25-89, Cl. 356-311.000.
Lucas, Robert: *See—*
Lemoine, Guy; Lucas, Robert; and Soria, Meyer, 4,808,643, C 524-87.000.
Lucas, Stephen W., to Standex International Corporation. Protective mop attachment plate. 4,882,804, 11-28-89, Cl. 15-244.100.
Lucas, Thomas H., to Schweiger Industries, Inc. Spring structure f cushion seating. 4,886,250, 12-12-89, Cl. 267-95.000.
Lucas Weinschel, Inc.: *See—*
Adam, Stephen F., 4,873,484, Cl. 324-95.000.
Dholoo, Jimmy F., 4,815,986, Cl. 439-248.000.
Ramirez, Ronald A., 4,836,801, Cl. 439-322.000.
Lucasey Manufacturing Company, Inc.: *See—*
O'Neill, Edward, 4,852,842, Cl. 248-280.100.
O'Neill, Edward L., 4,878,645, Cl. 248-680.000.
Lucasse, Guenter: *See—*
Pinto, Akiva; Lucasse, Guenter; Jung, Rolf R.; and Bocht, Bernhard, 4,858,278, Cl. 19-200.000.
Lucassen, Guenter; Pinto, Akiva; and Schmidt, Reinhard, to Herget Hollingsworth GmbH. Apparatus for separating impurities from a fiber material flow, in particular spinning material fibers. 4,866,8 9-19-89, Cl. 19-205.000.
Lucassen, Guenter: *See—*
Pinto, Akiva; and Lucassen, Guenter, 4,854,013, Cl. 19-200.00
Pinto, Akiva; Lucassen, Guenter; and Dirkes, Heinz, 4,858,277, C 19-200.000.
Pinto, Akiva; Lucassen, Guenter; and Bocht, Bernhard, 4,864,6 Cl. 9-105.000.
Pinto, Akiva; Lucassen, Guenter; and Schmidt, Reinhar 4,887,070, Cl. 340-561.000.
Pinto, Akiva; Lucassen, Guenter; and Schmidt, Reinhar 4,888,857, Cl. 19-80.00R.
Lucassen, Guenther: *See—*
Pinto, Akiva; Lucassen, Guenther; and Frosch, Werner, 4,843,6 Cl. 19-65.00A.
Lucast, Donald H.; Battles, Donald R.; and Kantner, Steven S., t Minnesota Mining and Manufacturing Company. Moldable medica adhesive. 4,871,812, 10-3-89, Cl. 525-186.000.

Lucchesi, Benedict R.: *See—*
Todd, Robert F., III; Lucchesi, Benedict R.; Simpson, Paul J.; Griffin, James D.; and Schlossman, Stuart F., 4,840,793, Cl. 424-85.800.
Lucchesini, Francesco: *See—*
Bertini, Vincenzo; De Munno, Angela; Lucchesini, Francesco; Buffoni, Franca; and Bertocci, Barbara, 4,888,283, Cl. 435-184.000.
Lucchini, Luigi: *See—*
Seveso, Cesare; and Lucchini, Luigi, 4,805,392, Cl. 57-6.000.
Lucci, John J.: *See—*
St. Angelo, Stephen; and Lucci, John J., 4,860,588, Cl. 73-794.000.
Luce, David A.; and Krstanovic, Srdjan, to Cambridge Instruments, Inc. Optical alignment system. 4,881,807, 11-21-89, Cl. 351-208.000.
Luce, Garrett C.: *See—*
Vanderbilt, Jeffrey J.; Luce, Garrett C.; and Ruggles, Albert C., 4,804,547, Cl. 426-74.000.
Luce, Jean-Claude G. M.: *See—*
Jennet, Michel; and Luce, Jean-Claude G. M., 4,849,062, Cl. 156-364.000.
Luce, John W. Moving magnetic field electric power converter. 4,870,558, 9-26-89, Cl. 363-87.000.
Luce, Robert G.; McCoy, Daniel F.; Merriman, Floyd C.; and Gregurech, Steve, to United States of America, Energy. Neutron economic reactivity control system for light water reactors. 4,879,086, 11-7-89, Cl. 376-173.000.
Luce, Stephen T.: *See—*
Chambers, Stephen T.; and Luce, Stephen T., 4,824,767, Cl. 430-313.000.
Luceri, Thomas J.; and Lukjanczuk, John, to Personal Products Company. Sanitary napkin pad liner. 4,795,455, 1-3-89, Cl. 604-386.000.
Lucerne Products, Inc.: *See—*
Bittel, Robert W., 4,864,083, Cl. 200-1.00V.
Lucero, Daniel P., to IIT Research Institute. Methods and apparatus for atmospheric sampling and analysis of trace contaminants. 4,883,505, 11-28-89, Cl. 55-84.000.
Lucero, David J.; Parazzoli, Claudio G.; and Mangir, Metin S., to Hughes Aircraft Company. Integrated laser head and low inductance pulse forming circuit for pulsed gas lasers. 4,876,693, 10-24-89, Cl. 372-82.000.
Lucero, Elroy M.: *See—*
Kowshik, Vikram; and Lucero, Elroy M., 4,858,185, Cl. 365-181.000.
Kowshik, Vikram; Boddu, Sudhakar; and Lucero, Elroy M., 4,873,671, Cl. 365-189.120.
Lucero, Noel: *See—*
Long, Larry D.; and Lucero, Noel, 4,864,225, Cl. 324-133.000.
Luchaco, David G.; Yuhasz, Stephen J.; Hurst, Ian R.; and Spira, Joel S., to Lutron Electronics Co., Inc. Load control system. 4,833,339, 5-23-89, Cl. 307-115.000.
Luchaco, David G.; and Houng, Charles C., to Lutron Electronics Co. Inc. Two wire low voltage dimmer. 4,876,498, 10-24-89, Cl. 323-300.000.
Luchaco, David G.: *See—*
Jacoby, Elliot G., Jr.; D'Aleo, Michael J.; Luchaco, David G.; Spira, Joel S.; Wagner, Richard A.; Yuhasz, Stephen J.; and Dowler, David H., 4,803,380, Cl. 307-157.000.
Luchaire S.A.: *See—*
Schilling, Michel; and Reuche, Marc, 4,807,535, Cl. 102-490.000.
Luchko, Nina A.: *See—*
Grischenko, Valentin I.; Tarasov, Valery F.; Galchenko, Sergei E.; Kalugin, Jury V.; Paraschuk, Jury S.; Luchko, Nina A.; and Chernysh, Elena N., 4,817,397, Cl. 62-514.00R.
Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, to Chubb Corporation, The. Computerized insurance premium quote request and policy issuance system. 4,831,526, 5-16-89, Cl. 364-401.000.
Luchsinger, Pedro W. Portable sprayer with improved combination of piston and diaphragm pump. 4,798,333, 1-17-89, Cl. 239-142.000.
Lucht, Manfred: *See—*
Kurkowski, Frank; and Lucht, Manfred, 4,852,327, Cl. 53-201.000.
Luchterhand, Ralph E.: *See—*
Records, Robert A.; Luchterhand, Ralph E.; and Detroit, John F., 4,886,156, Cl. 198-692.000.
Lucia, Peter W. Vacuum bottle holder. 4,848,625, 7-18-89, Cl. 224-250.000.
Luciani, Bernard, to Cibie Projecteurs. Foglight having a transverse filament for a motor vehicle. 4,827,367, 5-2-89, Cl. 362-61.000.
Luciani, Bernard, to Cibie Projecteurs. Additional headlight for use on a motor vehicle in conjunction with a dipped headlight. 4,841,423, 6-20-89, Cl. 362-304.000.
Luciani, Bernard: *See—*
Collot, Patrice; and Luciani, Bernard, 4,803,601, Cl. 362-80.000.
Luciani, Sabatino; and Santandrea, Luciano, to Axis USA, Inc. Inserting insulating material into electric motor stators. 4,831,716, 5-23-89, Cl. 29-596.000.
Luciani, Sabatino; and Santandrea, Luciano, to AXIS USA Inc. Inserting insulating material into electric motor stators. 4,854,033, 8-8-89, Cl. 29-596.000.
Luciani, Sabatino; and Lunini, Antonio, to Axis S.p.A. Equipment for the actuation of needles for the realization of electric motors field windings. 4,858,835, 8-22-89, Cl. 242-1.10A.
Lucid, Michael F.: *See—*
Van Meurs, Peter; De Rouffignac, Eric P.; Vinegar, Harold J.; and Lucid, Michael F., 4,886,118, Cl. 166-245.000.
Lucidarme, Jean: *See—*
Rioux, Christian; Guillet, Roger; Lucidarme, Jean; Roche, Jean; and Pouillange, Jean, 4,864,169, Cl. 310-12.000.
Lucisano, Francesco. Hand-operated pump changeable from dual action to single action. 4,842,489, 6-27-89, Cl. 417-238.000.
Lucitte, Richard D.; Melnychuck, Paul W.; Murray, Joseph J.; Ray, Lawrence A.; and Sullivan, James R., to Eastman Kodak Company. Method of making a thin lens. 4,861,140, 8-29-89, Cl. 350-320.000.
Lucius, Aaron L.: *See—*
Outlaw, James F.; and Lucius, Aaron L., 4,830,372, Cl. 273-26.00R.
Lucius, John E.: *See—*
Bennett, Glenn E.; Daly, John Kevin; Grebe, Robert K.; and Lucius, John E., 4,887,976, Cl. 439-492.000.
Grebe, Robert K.; Lucius, John E.; and Szczesny, David S., 4,872,844, Cl. 439-69.000.
Lucius, John H., to Coleman Company, Inc., The. Personal flotation device with inner mesh layer. 4,799,908, 1-24-89, Cl. 441-115.000.
Luciw, Paul; Parkes, Deborah L.; and Van Nest, Gary A., to Chiron Corporation. Feline leukemia virus protein vaccines. 4,876,089, 10-24-89, Cl. 424-89.000.
Luck, Erich: *See—*
Wohner, Gerhard; Voelskow, Hartmut; Prave, Paul; Luck, Erich; and von Rymon Lipinski, Gert-Wolfhard, 4,828,998, Cl. 435-206.000.
Luckanuck, John S., to Radixx/World Ltd. Fire resistant steel door. 4,799,349, 1-24-89, Cl. 52-809.000.
Lucke, Heinz, to Teroson GmbH. Single component polyurethane-modified bitumen compositions. 4,795,760, 1-3-89, Cl. 521-83.000.
Lucke, Heinz, to Teroson GmbH. Single component polyurethane-modified bitumen compositions. 4,871,792, 10-3-89, Cl. 524-59.000.
Lucke, Roland: *See—*
Holzmuller, Reinhold; and Lucke, Roland, 4,818,297, Cl. 134-12.000.
Luckenbach, Roy, to Dow Corning Corporation. Method of altering the surface of a solid synthetic polymer. 4,803,256, 2-7-89, Cl. 525-420.000.
Luckett, Dirk R.; and Parkerson, James P., to Texas Instruments Incorporated. Multi-slave master-slave flip-flop. 4,879,680, 11-7-89, Cl. 365-154.000.
Luckett, Nicholas G.: *See—*
Franklin, Roy W.; and Luckett, Nicholas G., 4,850,623, Cl. 292-144.000.
Luckger, Rolf: *See—*
Brocksieper, Manfred; Luckger, Rolf; Kroschel, Hans-Gerd; and Stechow, Jochen, 4,856,105, Cl. 364-474.020.
Luckhoff, Peter, to Reinhardt Technik GmbH & Co. Method of and device for proportioning at least one viscous substance. 4,881,820, 11-21-89, Cl. 366-142.000.
Luckhurst, Graham, to NCR Corporation. Document transport and printing apparatus and associated clutch. 4,842,110, 6-27-89, Cl. 192-16.000.
Luckhurst, Graham, to NCR Corporation. Document transport and printing apparatus. 4,867,058, 9-19-89, Cl. 101-93.050.
Luckstead, Jon D. Pill dispenser. 4,838,453, 6-13-89, Cl. 221-2.000.
Lucky, Ltd.: *See—*
Jung, Sang H.; and Kim, Seung K., 4,874,887, Cl. 560-124.000.
Yeo, Jong K.; Oh, Jong M.; Chang, Suk K.; and Lee, Eon S., 4,829,125, Cl. 525-194.000.
Luco, Marc: *See—*
Marie, Daniel; Rostan, Michel; Luco, Marc; and Thoor, Henry, 4,848,753, Cl. 266-117.000.
Luconex, Inc.: *See—*
Tappel, James G., 4,846,203, Cl. 135-69.000.
Lucta, S.A.: *See—*
Ramallo, Tomas A.; Puchal, Francisco M.; Pinol, Juan C.; and Julia, Enric, 4,820,739, Cl. 514-763.000.
Lucy, Andrew R.; and Morris, George E., to British Petroleum Company p.l.c. Preparation of carbonate esters. 4,816,595, 3-28-89, Cl. 558-277.000.
Luczak, Francis J.; and Landsman, Douglas A., to International Fuel Cells Corporation. Ternary fuel cell catalyst containing platinum and gallium. 4,806,515, 2-21-89, Cl. 502-185.000.
Luczak, Francis J.; and Landsman, Douglas A., to International Fuel Cells Corporation. Ternary fuel cell catalyst containing platinum and gallium. 4,880,711, 11-14-89, Cl. 429-40.000.
Luczak, Francis J.: *See—*
Bregoli, Lawrence J.; and Luczak, Francis J., 4,810,594, Cl. 429-13.000.
Ludden, Richard. Method for etching a bar code on metal. 4,879,457, 11-7-89, Cl. 235-487.000.
Ludding, Frans: *See—*
Madsen, Kay; and Ludding, Frans, 4,850,805, Cl. 417-18.000.
Luddy, Francis E.; and Longhi, Sergio, to Nestec S.A. Fat fractions and mixtures thereof. 4,839,191, 6-13-89, Cl. 426-607.000.
Luddy, Francis E.; and Longhi, Sergio, to Nestec S.A. Obtaining a fat fraction with azeotropic solvents. 4,880,658, 11-14-89, Cl. 426-607.000.
Luder, Stefan: *See—*
Trummer, Bernhard; and Luder, Stefan, 4,819,780, Cl. 194-317.000.
Luderer, Fred: *See—*
Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fred, 4,852,810, Cl. 239-703.000.
Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fred, 4,872,616, Cl. 239-703.000.
Schneider, Rolf; Luderer, Fred; and Henger, Peter, 4,851,253, Cl. 427-8.000.

- Luders, Harald, to Huls Aktiengesellschaft. Process for the preparation of alkyloligoglycosides. 4,866,165, 9-12-89, Cl. 536-18.600.
- Luders, Walter: *See—*
  - Shubert, Hans H.; Salbeck, Gerhard; Luders, Walter; and Knauf, Werner, 4,864,027, Cl. 546-14.000.
- Ludi, Christine: *See—*
  - Mebes, Bruno; and Ludi, Christine, 4,845,256, Cl. 556-413.000.
- Ludin, Ludwig: *See—*
  - Laing, Karsten A.; Ludin, Ludwig; and Laing, Johannes N., 4,874,300, Cl. 411-420.000.
- Ludington, David N.: *See—*
  - Wang, Samuel C.; and Ludington, David N., 4,862,002, Cl. 250-352.000.
- Ludke, Siegwalt: *See—*
  - Cline, Harvey E.; Ludke, Siegwalt; and Lorensen, William E., 4,821,213, Cl. 364-522.000.
  - Cline, Harvey E.; Ludke, Siegwalt; and Lorensen, William E., 4,879,668, Cl. 364-522.000.
- Ludkovsky, Gregory, to Inland Steel Company. Method for producing electrical steel core laminations. 4,871,403, 10-3-89, Cl. 148-121.000.
- Ludlam, Thomas P.: *See—*
  - Buchser, William J.; and Ludlam, Thomas P., 4,800,935, Cl. 141-362.000.
- Ludlow, Trevor A.: *See—*
  - Smith, Frank A. F.; and Ludlow, Trevor A., 4,856,395, Cl. 83-158.000.
- Ludvig, Naess: *See—*
  - Knak, Torben; and Ludvig, Naess, 4,810,017, Cl. 294-82.270.
- Ludwick, John J.: *See—*
  - Graczyk, James F.; Ludwick, John J.; and Parsons, Edward S., 4,821,286, Cl. 375-4.000.
- Ludwig, Albert; Philipp, Karl-Heinz; Hartl, Gerhard; Jarosch, Berthold; and Greger, Horst, to L. Schuler GmbH. Installation for sorting out reject slugs out of the slug channel of an automatic coining machine. 4,844,230, 7-4-89, Cl. 194-335.000.
- Ludwig, Arthur L.: *See—*
  - Lievestro, Louis; Kelm, James S.; Ludwig, Arthur L.; Maclin, Harvey M.; and Wakeman, Thomas G., 4,796,423, Cl. 60-39.330.
- Ludwig Boschert GmbH & Co. KG: *See—*
  - Fazis, Hermann, 4,838,725, Cl. 403-322.000.
- Ludwig, Bryan J.: *See—*
  - Barnett, Jay D.; Ludwig, Bryan J.; Marks, Ernest E.; and Moore, Scott E., 4,872,356, Cl. 73-866.500.
- Ludwig, David A., to Ring & Pinion Sales, Inc. Bearing shim. 4,848,939, 7-18-89, Cl. 384-626.000.
- Ludwig, Edward E. Two wheeled roller skate. 4,844,492, 7-4-89, Cl. 280-11.230.
- Ludwig, Frank A.; and Townsend, Carl W., to Hughes Aircraft Company. Gas permeable electrode for electrochemical system. 4,798,774, 1-17-89, Cl. 429-12.000.
- Ludwig, Frank A., to Hughes Aircraft Company. Sulfuric acid thermoelectrochemical system and method. 4,810,596, 3-7-89, Cl. 429-17.000.
- Ludwig, Frank A.; and Townsend, Carl W., to Hughes Aircraft Company. Gas permeable electrode for electrochemical system. 4,865,925, 9-12-89, Cl. 429-12.000.
- Ludwig, George C., to Maremont Corporation. Pneumatic spring structure with dial output force and pressure decay compensation and method of operation. 4,854,554, 8-8-89, Cl. 267-64.110.
- Ludwig, Gerhard, to Huels Aktiengesellschaft. Process and apparatus for the catalytic reaction of gases. 4,834,962, 5-30-89, Cl. 423-351.000.
- Ludwig, Harold P.: *See—*
  - Abkowitz, Stanley; Heussi, Harold L.; Ludwig, Harold P.; and Kraus, Stephen A., 4,852,531, Cl. 123-188.0AA.
- Ludwig Heumann & Co. GmbH: *See—*
  - Schickaneder, Helmut; Engler, Heidrun; and Szelenyi, Istvan, 4,810,715, Cl. 514-341.000.
  - Schickaneder, Helmut; Engler, Heidrun; and Szelenyi, Istvan, 4,866,066, Cl. 514-274.000.
- Ludwig, Howard R.; Haidler, John W.; Yuan, Mark S. C.; and Elson, Robert J., to Hughes Aircraft Company. Rate controllable damping mechanism. 4,842,106, 6-27-89, Cl. 188-266.000.
- Ludwig, Keith A.: *See—*
  - Bennett, Douglas L.; Ludwig, Keith A.; Patrylak, Andrew J.; and Zabrenski, John, 4,813,988, Cl. 62-18.000.
  - Bennett, Douglas L.; Ludwig, Keith A.; Witmer, George S.; and Woods, Charles M., 4,836,836, Cl. 62-22.000.
- Ludwig, Marcel; Schoen, Robert; and Elchinger, Othon, to Gebo. Pressureless conveyor for bottles or similar items. 4,880,103, 11-14-89, Cl. 198-434.000.
- Ludwig, Paul: *See—*
  - Gualandris, Rene; Ludwig, Paul; Rocco, Jean-Claude; and Zadworny, Francois, 4,859,909, Cl. 315-111.810.
- Ludwig, Rainer: *See—*
  - Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.
- Ludwig, Reinhold: *See—*
  - Boertzel, Martin; Ludwig, Reinhold; Schmits, Wilhelm; and Weiss, Ulrich, 4,855,858, Cl. 361-18.000.
- Ludwig Riedhammer Gmbh: *See—*
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- Ludwig, Rupert: *See—*
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- Ludwig Schwerdtel GmbH: *See—*
  - Schwerdtel, Ernst; and Lang, Hans-Jorg, 4,874,022, Cl. 141-165.000.
- Ludwig, Theo: *See—*
  - Tasler, Guenter; Wiendenhoeft, Klaus; Schultheiss, Michael; Schoenfuss, Martin; Ludwig, Theo; Huster, Klaus; and Grenzendoerfer, Dietmar, 4,852,370, Cl. 66-203.000.
- Ludwig, Thomas; Schettler, Helmut; Wagner, Otto; and Zuhlke, Rainer, to International Business Machines Corporation. Method for digital slope control of output signals of power amplifiers in semiconductor chips. 4,815,113, 3-21-89, Cl. 377-39.000.
- Ludwigs, Horst. Building kit for an apparatus for manufacturing total prostheises for upper and lower jaws. 4,886,453, 12-12-89, Cl. 433-54.000.
- Lue-Hing, Cecil; and Kelada, Nabih P., to Metropolitan Sanitary District of Greater Chicago, The. Method and apparatus for measuring cyanide. 4,804,631, 2-14-89, Cl. 436-109.000.
- Luebbe, John P.; Tanner, Paul R.; and Melanson, John D., Jr., to Procter & Gamble Company, The. Deodorant gel stick. 4,816,261, 3-28-89, Cl. 424-65.000.
- Luebbe, John P.: *See—*
  - Farris, Richard D.; Luebbe, John P.; and Quinlivan, Gerald J., 4,822,603, Cl. 424-66.000.
- Luebbe, Richard J.; and Hopkins, H. Kenneth. Lead inspection system for surface-mounted circuit packages. 4,875,778, 10-24-89, Cl. 356-394.000.
- Luebbe, Richard J.; and Hopkins, H. Kenneth. Lead inspection system for surface-mounted circuit packages. 4,875,779, 10-24-89, Cl. 356-394.000.
- Luebbe, Robert W.: *See—*
  - Cripe, Gene F.; Luebbe, Robert W.; and Snyder, Andrew W., 4,838,443, Cl. 220-1.00B.
- Luebke, John T., to Sandvik Special Metals. Method and apparatus for measuring the straightness of tubes. 4,851,760, 7-25-89, Cl. 324-61.00R.
- Lueck, Arnold: *See—*
  - MacGregor, Robert J.; MacGregor, Darlene M.; and Lueck, Arnold, 4,876,099, Cl. 426-242.000.
- Luecke, Francis S.: *See—*
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  - Block, Timothy R.; Enstrom, Mark R.; Luecke, Francis S.; Shidler, Karl A.; and Soderstrom, Ronald L., 4,870,635, Cl. 369-215.00
- Luecke, Robert A.; Gould, Gordon E.; and Curtin, Paul M., to Dow Chemical Company, The. Filtering system for use in coextrusion apparatus and method of use. 4,804,510, 2-14-89, Cl. 264-169.000.
- Luecke, Robert A.: *See—*
  - Gould, Gordon E.; and Luecke, Robert A., 4,842,791, Cl. 264-171.000.
- Lueckenhoff, Roger J.: *See—*
  - Mitchell, Hal D.; and Lueckenhoff, Roger J., 4,844,460, Cl. 2
72.00R.
- Lueddecke, Erik; and Horn, Dieter, to BASF Aktiengesellschaft. Preparation of finely divided, water-dispersable carotenoid formulations. 4,844,934, 7-4-89, Cl. 426-540.000.
- Lueders, Arthur: *See—*
  - Bellotti, Marc; Lueders, Arthur; Granzow, Daniel B.; Taylor, Larry C.; and Nauman, Mark, 4,882,496, Cl. 250-455.100
- Lueders, Harald, to Huls Aktiengeseilschaft. Process for producing colorless butyloligoglycosides. 4,820,814, 4-11-89, Cl. 536-127.00
- Lueders, Harald; and Hofmann, Peter, to Huels Aktiengesellschaft. Method of manufacturing alkyloligoglycosides. 4,847,368, 7-11-8 Cl. 536-18.600.
- Lueders, Harald; Ratajczak, Hans-Josef; and Wienhoefer, Ekkehard, to Huels Aktiengesellschaft. Preparation of specifically adjusted polyalcohol mixtures based on sorbitol. 4,861,513, 8-29-89, Cl. 252-182.2
- Luedtke, Kenneth R.: *See—*
  - Schmalz, Robert E., Jr.; Luedtke, Kenneth R.; and Owczarczak, Timothy E., 4,817,649, Cl. 134-58.00R.
- Luedtke, Richard C.; and Mahanandan, Kandiah. Toilet anti-splash device. 4,866,793, 9-19-89, Cl. 4-300.300.
- Luedy, Joyce A. Post-mastectomy garment. 4,854,915, 8-8-89, Cl. 450-31.000.
- Lueers, Wilbrand, to Siemens Aktiengesellschaft. Apparatus for a operation comprising a long-stator linear motor. 4,840,125, 6-20-8 Cl. 104-292.000.
- Lueken, Jeffrey A. Stereo mixing jack. 4,803,728, 2-7-89, Cl. 381-25.0
- Lueneburger, Klaus, to Siemens Aktiengesellschaft. Technique for calibrating an electromagnetic relay. 4,803,451, 2-7-89, Cl. 335-273.000.
- Lueneburger, Klaus: *See—*
  - Weiser, Josef; and Lueneburger, Klaus, 4,827,234, Cl. 335-270.0
- Luery, Jerry L. Size adjustable beach towel and method. 4,800,6 1-31-89, Cl. 5-417.000.
- Lueth, Gero: *See—*
  - Sander, Bruno; Marquardt, Siegfried; Lueth, Gero; Horn, Robert K.; and Kempe, Uwe, 4,828,715, Cl. 210-710.000.
- Luethy, Hans: *See—*
  - Hilfiker, Peter; Feller, Willy; and Luethy, Hans, 4,816,798, Cl. 335-175.000.
- Luettgen, Michael J.; Koglin, Dennis M.; Kearney, Mark B.; Hart, John M., Jr.; and Brown, Ronald E., to Delco Electronics Corporation. Pressure sensor and method of fabrication thereof. 4,850,227, 7-25-8 Cl. 73-708.000.

- Luetze, Hans: *See—*
  - Eckert, Dieter; Henseler, Wolfgang; and Luetze, Hans, 4,811,517, Cl. 49-145.000.
- Luetzelschwab, Wayne E., to Marathon Oil Company. Apparatus and method for the continuous production of aqueous polymer solutions. 4,849,182, 7-18-89, Cl. 422-134.000.
- Luetzelschwab, Wayne E., to Marathon Oil Company. Oil recovery process using a treated polymer solution. 4,867,239, 9-19-89, Cl. 166-273.000.
- Luetzelschwab, Wayne E., to Marathon Oil Company. Apparatus and method for mixing a gel and liquid. 4,874,248, 10-17-89, Cl. 366-307.000.
- Luffman, Jimmy W.: *See—*
  - Miller, Acie B.; Simpson, Ralph H., Jr.; and Luffman, Jimmy W., 4,842,661, Cl. 156-88.000.
- Luffy, John W.: *See—*
  - Peterson, Richard W.; Fisher, Donald C.; and Luffy, John W., 4,824,543, Cl. 204-280.000.
- Luft, Lee T., to Menasha Corporation. Large capacity shipping pallet assembly. 4,799,433, 1-24-89, Cl. 108-51.100.
- Luger, Johann: *See—*
  - Schiller, Kurt; Luger, Johann; Schierl, Hans; and Kallhardt, Heinrich, 4,868,876, Cl. 379-437.000.
- Lugli, Carlo. Mouth-piece for filtering the smoke of cigarettes and the like. 4,841,994, 6-27-89, Cl. 131-210.000.
- Lugli, Gabriele: *See—*
  - Licchelli, Maurizio; Greco, Alberto; and Lugli, Gabriele, 4,829,130, Cl. 525-384.000.
- Lugosi, Robert: *See—*
  - Hartnett, Michael J.; Lugosi, Robert; Rollins, James; Cook, John P.; and Clark, Jeffrey A., 4,858,295, Cl. 29-156.40R.
- Lugtmeier, Lubbertus; and Klamer, Albert, to Shell Internationale Research Maatschappij B.V. Polished rod stuffing box with safety valve for a beam pumped production well. 4,889,184, 12-26-89, Cl. 166-80.000.
- Luh, Yuhshi; and Forgione, Peter S., to American Cyanamid Company. Process for the preparation of isophorone diisocyanate from isophorone dicarbamyl esters using highly selective SnO_2 or CuO catalysts. 4,873,365, 10-10-89, Cl. 560-345.000.
- Luhman, Robert A., to Minnesota Mining and Manufacturing Company. Method and apparatus for assembling blister packages. 4,848,066, 7-18-89, Cl. 53-485.000.
- Luhmann, Christa: *See—*
  - Stranghoner, Dieter; Patzschke, Hans-Peter; and Luhmann, Christa, 4,851,460, Cl. 523-407.000.
- Luhmann, Thomas: *See—*
  - Wester-Ebbinghaus, Wilfried; Luhmann, Thomas; Mangelsdorf, Juergen; and Pini, Peter, 4,878,247, Cl. 382-1.000.
- Luhn, Ernst: *See—*
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- Luhrig, Hermann: *See—*
  - Hoffacker, Franz; Luhrig, Hermann; and Maier, Albert, 4,867,815, Cl. 156-69.000.
- Lui, Alfred S. T.: *See—*
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- Lui, Chun K., to Westinghouse Electric Corp. Fuel bundle. 4,818,473, 4-4-89, Cl. 376-261.000.
- Lui, Hoi: *See—*
  - Stein, William L., Sr.; and Lui, Hoi, 4,832,616, Cl. 439-279.000.
- Lui, May S.: *See—*
  - Gunasekera, Sarath P.; Cross, Sue S.; Kashman, Yoel; Lui, May S.; Rinehart, Kenneth L.; and Tsujii, Shinji, 4,866,084, Cl. 514-397.000.
  - Higa, Tatsuo; Sakai, Ryuichi; and Lui, May S., 4,859,782, Cl. 549-267.000.
- Luib, Max: *See—*
  - Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, 4,857,103, Cl. 71-94.000.
- Luich, Thomas M.: *See—*
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- Luigi Franchi S.p.A.: *See—*
  - Doria, Pierluigi; and Mottana, Sergio, 4,805,333, Cl. 42-50.000.
- Luijten, Arend, to Luijten Holding B.V. Method for mechanically laying a herringone pattern of bricks, and an apparatus to perform it. 4,846,601, 7-11-89, Cl. 404-73.000.
- Luijten Holding B.V.: *See—*
  - Luijten, Arend, 4,846,601, Cl. 404-73.000.
- Luine, George J.; and Luine, John L. Bottle mounted adjustable liquor dispensing device. 4,821,930, 4-18-89, Cl. 222-454.000.
- Luine, John L.: *See—*
  - Luine, George J.; and Luine, John L., 4,821,930, Cl. 222-454.000.
- Luinetti, William K.: *See—*
  - Impink, Albert J., Jr.; Langford, Francis L., Jr.; Grobmyer, Louis R.; and Luinetti, William K., 4,877,575, Cl. 376-216.000.
- Luis A. Gigueroa: *See—*
  - Lombard, Jose O., 4,880,347, Cl. 414-542.000.
- Luise, Robert R., to Du Pont de Nemours, E. I., and Company. Pultrusion of filaments of anisotropic melt-forming polymers. 4,832,894, 5-23-89, Cl. 264-130.000.
- Luise, Robert R.: *See—*
  - Gay, Frank P.; Logullo, Francis M.; Luise, Robert R.; and Mack, Mark P., 4,886,875, Cl. 525-439.000.
- Luiset, Jean-Jacques W., to Micro-Mega S.A. Dental handpiece. 4,834,652, 5-30-89, Cl. 433-105.000.
- Luisi, James A.: *See—*
  - Larsen, Robert P.; Hoelke, Steven T.; and Luisi, James A., 4,878,179, Cl. 364-490.000.
- Luisoli, Reto: *See—*
  - Stegmann, Werner; Meier, Hans R.; Evans, Samuel; Martin, Roger; and Luisoli, Reto, 4,874,885, Cl. 560-15.000.
- Lujano, Juan: *See—*
  - Martinez, Nelson P.; Galiasso, Roberto E.; Velasquez, Jose R.; Lujano, Juan; and Zerpa, Carlos, 4,857,494, Cl. 502-210.000.
- Lujano, Juan A.: *See—*
  - Martinez, Nelson P.; Velasquez, Jose R.; and Lujano, Juan A., 4,816,135, Cl. 208-120.000.
- Luk, Francis M.: *See—*
  - Huynh, Van-Minh; and Luk, Francis M., 4,878,114, Cl. 358-106.000.
- Luk Lamellen und Kupplungsbau GmbH: *See—*
  - Friedmann, Oswald, 4,816,006, Cl. 464-67.000.
  - Friedmann, Oswald; and Elison, Hans-Dieter, 4,889,009, Cl. 74-574.000.
  - Kohler, Helmut, 4,828,092, Cl. 192-89.00B.
  - Kubel, Manfred; and Maisch, Gerhard, 4,836,350, Cl. 192-106.100.
  - Maucher, Edmund; Huber, Lothar; Frietsch, Kurt; and Maucher, Paul, 4,883,153, Cl. 192-70.270.
  - Maucher, Paul; and Huber, Lothar, 4,811,474, Cl. 29-446.000.
  - Meinhard, Rolf, 4,856,636, Cl. 192-70.170.
  - Reik, Wolfgang, 4,813,524, Cl. 192-106.200.
- Luk, Martin H.: *See—*
  - Spalding, August V.; Sabet, Mahmoud H.; Hamburger, Ronald O.; and Luk, Martin H., 4,836,716, Cl. 405-224.000.
- Luk, Timwah: *See—*
  - Johnson, Terry J.; and Luk, Timwah, 4,853,646, Cl. 330-256.000.
- Lukach, Carl A.; and Sau, Arjun C., to Hercules Incorporated. Water- and caustic-insoluble, inswellable, fibrous, particulate crosslinked polymer. 4,853,437, 8-1-89, Cl. 525-54.210.
- Lukacs, Alexander, III, to Hercules Incorporated. Thermoset polymer from nadimido-substituted cyclophosphazenes. 4,806,606, 2-21-89, Cl. 526-259.000.
- Lukacs, Alexander, III, to Hercules Incorporated. Nadimido-substituted cyclophosphazenes. 4,806,607, 2-21-89, Cl. 526-259.000.
- Lukacs, Alexander, III, to Hercules Incorporated. Aqueous suspension of delaminated vermiculite. 4,818,435, 4-4-89, Cl. 252-378.00R.
- Lukacs, Alexander, III, to Hercules Incorporated. Heat resistant thermosetting phosphazene-imide copolymers. 4,874,828, 10-17-89, Cl. 526-262.000.
- Lukacs, Alexander, III, to Hercules Incorporated. Aqueous suspension of delaminated vermiculite. 4,877,551, 10-31-89, Cl. 252-378.00R.
- Lukacsko, Alison B.: *See—*
  - Jones, Howard; Lukacsko, Alison B.; Tencza, Thomas M.; Sarsfield, Beth A.; and Patel, Mahesh K., 4,888,343, Cl. 514-264.000.
  - Koslo, Randy J.; and Lukacsko, Alison B., 4,853,216, Cl. 424-73.000.
- Lukas, Gregory J.; Sweeney, Kevin L.; and Keur, Michael R., to Amphenol Corporation. Method of aligning and attaching optical fibers to substrate optical waveguides and substrate optical waveguide having fibers attached thereto. 4,796,975, 1-10-89, Cl. 350-320.000.
- Lukas, H.: *See—*
  - Loew, Dieter; Schuster, Otto; and Lukas, H., 4,877,620, Cl. 424-451.000.
- Lukas, Helmut H., to Northern Telecom Limited. Optical fiber connector. 4,812,007, 3-14-89, Cl. 350-96.210.
- Lukas, Helmut H., to Northern Telecom Limited. Optical fiber stripping and breaking apparatus. 4,852,244, 8-1-89, Cl. 29-566.300.
- Lukas, John B.: *See—*
  - Becker, Larry W.; and Lukas, John B., 4,826,606, Cl. 210-728.000.
- Lukasczyk, Wolfgang: *See—*
  - Imhof, Rainer; and Lukasczyk, Wolfgang, 4,850,394, Cl. 137-554.000.
- Lukasiewicz, Robert F., to Ram Golf Corporation. Golf club with swing speed indicator. 4,878,672, 11-7-89, Cl. 273-186.00A.
- Lukaszewicz, Johannes: *See—*
  - Reutler, Herbert; Lohnert, Gunter; and Lukaszewicz, Johannes, 4,795,607, Cl. 376-299.000.
- Luke, Charles M.; and Wilson, John B., to Scientific Atlanta, Inc. Method and apparatus for making phase stable microwave measurements. 4,887,313, 12-12-89, Cl. 455-612.000.
- Luke, Hans-Wolfgang, to Shell Oil Company. Gasification process. 4,851,013, 7-25-89, Cl. 48-203.000.
- Luke, Hans-Wolfgang: *See—*
  - Segerstrom, Clifford C.; Sternling, Charles V.; Luke, Hans-Wolfgang; and Wu, Hsi L., 4,852,997, Cl. 48-210.000.
- Luke, James J., to Frankandale Corporation. Cap detector for bottling system with high speed gate mechanism. 4,872,300, 10-10-89, Cl. 53-53.000.
- Luke, James M.: *See—*
  - Williford, Frank B.; Luke, James M.; and Devlin, Paul V., 4,819,730, Cl. 166-355.000.
- Luke, Johannes. Trap for capturing animals. 4,817,674, 4-4-89, Cl. 43-88.000.
- Luke, John A., to British-American Tobacco Company, Limited. Tobacco reconstitution. 4,823,817, 4-25-89, Cl. 131-375.000.

- Luke, Mike A.: *See—*
  - Stone, Patrick C.; Luke, Mike A.; and Ingram, Gary D., 4,836,278, Cl. 166-115.000.
- Luke, Rainer: *See—*
  - Heimann, Bruno; Luke, Rainer; and Eichholz, Heinz-Dieter, 4,827,538, Cl. 4-192.000.
- Luke, Robert R.: *See—*
  - Haugen, David M.; Wesson, David S.; Luke, Robert R.; and George, Kevin R., 4,800,958, Cl. 166-55.100.
- Lukehart, Donald W. Thumb picks for stringed instruments. 4,867,032, 9-19-89, Cl. 84-322.000.
- Lukehart, Loren. Method and apparatus for temporarily immobilizing an earthworm. 4,800,666, 1-31-89, Cl. 43-4.000.
- Lukenbach, Elvin R.: *See—*
  - Bhat, Gulgunji R.; Lukenbach, Elvin R.; and Stutzman, Ralph C., 4,800,076, Cl. 424-69.000.
- Lukenbill, Harry N.: *See—*
  - Brown, Jerry L.; and Lukenbill, Harry N., 4,829,892, Cl. 99-475.000.
- Lukens, Jean H.: *See—*
  - Durbin, Richard D.; Lukens, Jean H.; Uchytil, Thomas F.; and Rhodehamel, Nicholas, 4,874,706, Cl. 435-253.300.
- Lukens, Laurance L.: *See—*
  - Abbin, Joseph P.; Andraka, Charles E.; Lukens, Laurance L.; and Moreno, James B., 4,868,072, Cl. 429-11.000.
- Lukens, William E.: *See—*
  - DeNale, Robert; Lukens, William E.; and Marsh, Luther A., 4,866,236, Cl. 219-74.000.
- Luker, Keith W., to Killon Extruders, Inc. Method for encapsulating extruding materials. 4,828,780, 5-9-89, Cl. 264-171.000.
- Luker, Ken. Floor mat with band of higher density tufting. 4,871,602, 10-3-89, Cl. 428-88.000.
- Luker, Norman E.: *See—*
  - Scheller, Andor; Le Grange, Gerald A.; and Luker, Norman E., 4,848,564, Cl. 206-83.500.
- Lukevits, Edmund Y.; Kastron, Valeria V.; Vitolin, Rasma O.; Erchak, Nikolai P.; Skrastinsh, Indulis P.; Dubur, Gunar Y.; and Kimenis, Agris A. 2,6-dimethyl-3,5-dimethoxycarbonyl-4-(5'-trimethylsilyl-2'-furyl)-1,4-dihydropyridine. 4,841,054, 6-20-89, Cl. 546-14.000.
- Lukianoff, Sergei G. Disposable sanding device. 4,887,396, 12-19-89, Cl. 51-391.000.
- Lukin, Evgeny G.: *See—*
  - Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.
  - Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Oleinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-18.000.
  - Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; Oleinik, Viktor N.; Sushkov, Yaroslav P.; Lukin, Evgeny G., Sokol, Petr G.; Chajuk, Igor A.; Lipatov, Jury S.; Veselovsky, Roman A.; and Kiselevsky, Boris A., 4,865,673, Cl. 156-156.000.
- Lukjanczuk, John: *See—*
  - Luceri, Thomas J.; and Lukjanczuk, John, 4,795,455, Cl. 604-386.000.
- Lukkarinen, Mark: *See—*
  - Nechay, Jack A.; Bauer, Fritz E.; Danti, Bernard R.; and Lukkarinen, Mark, 4,832,783, Cl. 156-448.000.
- Lukonits, Otto : *See—*
  - Solymos, Andras; Barsi, Karoly; Kis-Tamas, Laszlo ; Forisek, Istvan; Dorombozi, Laszlo ; and Lukonits, Otto , 4,799,738, Cl. 299-11.000.
- Lukosz, Walter: *See—*
  - Tiefenthaler, Kurt; and Lukosz, Walter, 4,815,843, Cl. 356-128.000.
- Lukow, Kenneth R.: *See—*
  - Benhamou, Franck E.; Lukow, Kenneth R.; and Verbrugge, Calvin J., 4,849,489, Cl. 526-208.000.
  - Bosanec, Thomas P.; Lukow, Kenneth R.; and Verbrugge, Calvin J., 4,859,752, Cl. 526-209.000.
- Luksas, Anthony J.: *See—*
  - Ahmed, Salah H.; Kadlec, John D.; and Luksas, Anthony J., 4,804,552, Cl. 426-580.000.
- Luksch, Kurt; and Schlapp, Albert, to Rockwell-Golde GmbH. Wind deflector for sliding roofs of automobiles. 4,867,503, 9-19-89, Cl. 296-217.000.
- Luksza, Michael, to BASF Aktiengesellschaft. Preparation of pyridinol carbamate. 4,810,796, 3-7-89, Cl. 546-335.000.
- Lukyanova, Natalya A.: *See—*
  - Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kuzovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I., 4,847,065, Cl. 424-5.000.
- Lulham, Cedric M.; Wofford, George D.; Bradfute, John G.; and Friedrich, Steven G., to W. R. Grace & Co.-Conn. Easy open shrinkable laminate. 4,875,587, 10-24-89, Cl. 206-484.000.
- Lulich, John F., to R.P.M. Industries, Inc. Solenoid with alternate current path for direct mounting on engines. 4,816,793, 3-28-89, Cl. 335-104.000.
- Lulich, John F., to R. P. M. Industries. Pre-lubricant oil pressure adapter. 4,875,551, 10-24-89, Cl. 184-6.300.
- Lulko, Allen R.; and LesCamela, David A., to Chrysler Motors Corporation. In-line cable assembly, lock bar therefor. 4,820,198, 4-11-89, Cl. 439-595.000.
- Lull Corp.: *See—*
  - Truehart, David C., 4,815,357, Cl. 91-516.000.
- Lullman, Johannes: *See—*
  - Will, Erich; Harms, Harry; Lullman, Johannes; Illgen, Edgar; Boseck, Siegfried; Schmidbauer, Georg; and Kreitlow, Horst, 4,806,746, Cl. 250-201.000.
- Luly, Jay R.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Plattner, Jacob J.; Rosenberg, Saul H.; and Sham, Hing L., to Abbott Laboratories. Renin inhibiting compounds. 4,826,815, 5-2-89, Cl. 514-19.000.
- Luly, Jay R.; Plattner, Jacob J.; and Kempf, Dale J. Peptidylaminodiols. 4,845,079, 7-4-89, Cl. 514-18.000.
- Luly, Jay R.: *See—*
  - Rosenberg, Saul H.; Luly, Jay R.; and Plattner, Jacob J., 4,837,204, Cl. 514-18.000.
  - Rosenberg, Saul H.; Dellaria, Joseph; Fung, Anthony K. L.; Kempf, Dale J.; Luly, Jay R.; and Plattner, Jacob J., 4,857,507, Cl. 514-18.000.
- Luly, Robert A., to Janeil Corporation. Low loss dual band satellite antenna feed. 4,801,945, 1-31-89, Cl. 343-786.000.
- Luly, Robert A. Ku band polarizer. 4,821,002, 4-11-89, Cl. 333-21.00A.
- Lum, Beverly Y.: *See—*
  - Halverson, Danny C., Lum, Beverly Y.; and Munir, Zuhair A., 4,879,262, Cl. 501-87.000.
- Lum, James C. P.: *See—*
  - Hann, J. David; Holdahl, Theodore S.; and Lum, James C. P., 4,799,153, Cl. 364-200.000.
- Lum, Kin K., to Eastman Kodak Company. Process for increasing the density of images obtained by thermal dye transfer. 4,833,124, 5-23-89, Cl. 503-227.000.
- Lum, Kin K.: *See—*
  - Harrison, Daniel J.; and Lum, Kin K., 4,871,715, Cl. 503-227.000.
  - Vanier, Noel R.; and Lum, Kin K., 4,876,236, Cl. 503-227.000.
  - Vanier, Noel R.; and Lum, Kin K., 4,876,238, Cl. 503-227.000.
- Lum, Vanessa R.: *See—*
  - Mura, Albert J.; Belly, Robert T.; and Lum, Vanessa R., 4,853,1, Cl. 422-55.000.
- Lumalampan Aktiebolag: *See—*
  - Egelstam, Hans, 4,881,007, Cl. 313-493.000.
- Lumbard, Marvin; and Wiese, Lynn K., to Siemens Corporate Research & Support, Inc. A modular surface mount component for an electrical device or led's. 4,843,280, 6-27-89, Cl. 313-500.000.
- Lumbard, Marvin, to Siemens Corporate Research and Support, Inc. Method for manufacturing the same. 4,859,632, 8-22-89, Cl. 437-209.000.
- Lumbroso, Daniel; Orieux, Andrien; and Davidson, Michel, to Institut Francais du Petrole. Decoking process and device. 4,828,651, 5-9-89, Cl. 201-2.000.
- Lumel, Inc.: *See—*
  - Simopoulos, Nicholas T.; Simopoulos, George N.; and Simopoulos, Gregory N., 4,853,079, Cl. 156-633.000.
  - Simopoulos, Nicholas T.; and Simopoulos, George N., 4,855,1, Cl. 428-690.000.
- Lumelsky, Leon, to International Business Machines Corporation. Vector generator with direction independent drawing speed for all-point-addressable raster displays. 4,816,814, 3-28-89, Cl. 340-747.000.
- Lumelsky, Leon; St. Clair, Joe C.; Mansfield, Robert L.; Segre, Marc; and Spencer, Alexander K., to International Business Machines Corporation. Pixel data path for high performance raster displays with all-point-addressable frame buffers. 4,823,286, 4-18-89, Cl. 364-521.000.
- Lumelsky, Leon, to International Business Machines Corporation. Pixel slice processor with frame buffers grouped according to pixel bit width. 4,860,248, 8-22-89, Cl. 364-900.000.
- Lumelsky, Leon: *See—*
  - Evangelisti, Carlo J.; and Lumelsky, Leon, 4,823,281, Cl. 364-518.000.
  - Gupta, Satish; Lumelsky, Leon; Mansfield, Robert L.; Romero, Hector G., Jr.; Segre, Marc; Spencer, Alexander K.; St. Clair, Joe C.; and Wagoner, James D., 4,870,406, Cl. 340-70.000.
- Lumen GmbH Nahrmittel- und Maschinenfabrik: *See—*
  - Menzel, Waldemar, 4,817,396, Cl. 62-306.000.
- Lumex, Inc.: *See—*
  - DiVito, Fred, 4,838,291, Cl. 135-68.000.
  - DiVito, Fred; and Beal, Christopher I., 4,887,323, Cl. 4-577.000.
  - Martin, Matt, 4,885,939, Cl. 73-379.000.
- Luminis Pty. Limited: *See—*
  - Norrish, Richard J.; and Wiskich, Joseph T., 4,804,850, Cl. 250-459.100.
  - Shaw, Allan; and Luxton, Russell E., 4,876,858, Cl. 62-93.000.
- Lumisys Inc.: *See—*
  - Manian, Bala S., 4,838,632, Cl. 350-6.910.
- Lumitex, Inc.: *See—*
  - Parker, Jeffrey R., 4,885,663, Cl. 362-32.000.
- Lumitter Industry Co., Ltd.: *See—*
  - Kasai, Masanori, 4,838,331, Cl. 160-36.000.
- Lumma, William C., Jr.: *See—*
  - Greenberg, Stanley S.; Lis, Randall E.; Lumma, William C., Jr.; Nickisch, Klaus; and Wohl, Ronald A., 4,851,526, Cl. 540-603.000.
  - Nickisch, Klaus; Lis, Randall E.; Lumma, William C., Jr.; Morgan, Thomas K., Jr.; and Wohl, Ronald A., 4,804,662, Cl. 514-252.000.
- Lummila, Markku: *See—*
  - Rantanen, Rauno; and Lummila, Markku, 4,839,201, Cl. 427-355.000.

- Lummis, David J.; and Masso, Jon D., to American Optical Corporation. Lens for video terminal screen. 4,872,749, 10-10-89, Cl. 351-44.000.
- Lummus Company, The: *See—*
  - Khonsari, Ali M.; Chen, Jamin; Suciu, George D.; Fisher, William B.; and Crescentini, Lamberto, 4,851,086, Cl. 203-38.000.
  - Suciu, George D.; Khonsari, Ali M.; and Chen, Jamin, 4,857,151, Cl. 203-82.000.
- Lummus Crest, Inc.: *See—*
  - Feldman, Robert J.; Rhoe, Andrei; Van Driesen, Roger P.; Puzio, Joseph F.; and Strangio, Vincent A., 4,846,958, Cl. 208-95.000.
  - Hamilton, Gary L.; Rhoe, Andrei; and Satchell, Donald P., 4,795,551, Cl. 208-309.000.
  - Van Driesen, Roger P.; Adams, William R.; Baldasarri, Mario; Caspers, John; and Trimble, Harold, 4,875,995, Cl. 208-152.000.
- Lummus Industries, Inc.: *See—*
  - Ethridge, Fredrick A., 4,831,908, Cl. 83-346.000.
- Lumonics Inc.: *See—*
  - Znotins, Thomas A.; Reid, John; and Gutz, Steven J., 4,823,354, Cl. 372-57.000.
- Lumonics, Limited: *See—*
  - Perun, Kenneth R., 4,857,698, Cl. 219-121.710.
- Lumpkin, Anthony P., to Brunswick Corporation. Bumper storage system. 4,823,724, 4-25-89, Cl. 114-343.000.
- Lun, Saiman, to General Motors Corporation. Hydraulic mount with reciprocal partition and orifice. 4,836,512, 6-6-89, Cl. 267-140.100.
- Lun, Saiman, to General Motors Corporation. Hydraulic mount with reciprocal partition. 4,854,560, 8-8-89, Cl. 267-140.100.
- Lun, Saiman, to General Motors Corporation. Hydraulic mount. 4,881,712, 11-21-89, Cl. 248-562.000.
- Lun, Saiman, to General Motors Corporation. Hydraulic engine mount with integral hydraulic chambers and diaphragm. 4,886,253, 12-12-89, Cl. 267-140.100.
- Luna, Manuel: *See—*
  - Montoro, Fernando; Calatayud, Jose; and Luna, Manuel, 4,812,482, Cl. 514-649.000.
- Luna, Milka A.: *See—*
  - Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.
- Luna, Phillip M.: *See—*
  - Horne, Warren L.; Kunz, Nans; Luna, Phillip M.; Roberts, Andrew C.; Smith, Kenneth M.; and Smith, Ronald C., 4,845,993, Cl. 73-147.000.
- Lunardi, Leda M.; and Malik, Roger J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Transistor. 4,825,265, 4-25-89, Cl. 357-16.000.
- Lunardon, Gian F.: *See—*
  - Bianchin, Eugenio; Longo, Giovanni; and Lunardon, Gian F., 4,841,095, Cl. 560-115.000.
- Lunardon, Gianflavio: *See—*
  - Credali, Lino; Mulas, Carlo; Benetti, Ermanno; and Lunardon, Gianflavio, 4,880,847, Cl. 521-157.000.
- Lunau, Kevin R. Invalid transfer lift. 4,805,248, 2-21-89, Cl. 5-81.00R.
- Lunazzi, Alessandro, to C.I.M.A. Costruzioni Italiane Macchine Attrezzi S.p.A. Assemblage of components for the drive system of the worktable in an automatic gear cutting machine. 4,822,217, 4-18-89, Cl. 409-11.000.
- Lund, Bernd: *See—*
  - Kunne, Wolfgang; and Lund, Bernd, 4,866,908, Cl. 53-386.000.
- Lund, Bjorn O.: *See—*
  - Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.
- Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., to Allied-Signal Inc. Azeotrope-like compositions of 1,1-dichloro-1-fluoroethane, methanol and nitromethane. 4,816,174, 3-28-89, Cl. 252-171.000.
- Lund, Earl A. E.; Basu, Rajat S.; and Wilson, David P., to Allied-Signal Inc. Azeotrope-like compositions of dichlorotrifluoroethane, methanol, cyclopentane and nitromethane. 4,816,175, 3-28-89, Cl. 252-171.000.
- Lund, Earl A. E.; Basu, Rajat S.; and Wilson, David P., to Allied-Signal Inc. Azeotrope-like compositions of dichlorotrifluoroethane, methanol and nitromethane. 4,816,176, 3-28-89, Cl. 252-171.000.
- Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., to Allied-Signal Inc. Azeotrope-like compositions of 1,1-dichloro-1-fluoroethane and ethanol. 4,836,947, 6-6-89, Cl. 252-171.000.
- Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., to Allied-Signal Inc. Azeotrope-like compositions of 1,1-dichloro-1-fluoroethane and methanol. 4,842,764, 6-27-89, Cl. 252-171.000.
- Lund, Earl A. E.: *See—*
  - Swan, Ellen L.; Basu, Rajat S.; Lund, Earl A. E.; and Wilson, David P., 4,873,015, Cl. 252-171.000.
- Lund, Egon; and Petersen, Poul, to Danfoss A/S. Electric machine with a sheet metal packet carrying a winding and a method of making same. 4,808,872, 2-28-89, Cl. 310-215.000.
- Lund, Richard B.; and Pass, Milo C., to Ciba-Geigy Corporation. Production of sulfonated amines. 4,808,342, 2-28-89, Cl. 260-508.000.
- Lund, Richard B.; and Brown, Glenn W., to Ciba-Geigy Corporation. Bechamp reduction of DNS to DAS using H_2SO_4 and trace of HOAc. 4,820,452, 4-11-89, Cl. 260-510.000.
- Lund, Thomas A., to Dansk Industri Syndikat A/S. Method and a drilling rig for drilling a bore well. 4,850,439, 7-25-89, Cl. 175-52.000.
- Lundal, Mandius C.; and Brackebusch, Fred W., to Hecla Mining Company, a part interest. Narrow opening mechanical miner. 4,818,025, 4-4-89, Cl. 299-31.000.
- Lundbeeg, Robert D.: *See—*
  - Peiffer, Dennis G.; and Lundbeeg, Robert D., 4,837,288, Cl. 526-240.000.
- Lundberg, Henrik: *See—*
  - Hedlund, Gunnar; and Lundberg, Henrik, 4,868,478, Cl. 318-696.000.
- Lundberg, Herbert J. Security system for cycles and the like. 4,870,843, 10-3-89, Cl. 70-233.000.
- Lundberg, Nils-Arne. Holder for packs or packages. 4,823,964, 4-25-89, Cl. 211-57.100.
- Lundberg, Robert D.; and Gutierrez, Antonio, to Exxon Chemical Patents Inc. Lactone-modified, Mannich base dispersant additives useful in oleaginous compositions. 4,820,432, 4-11-89, Cl. 252-51.50A.
- Lundberg, Robert D.; and Gutierrez, Antonio, to Exxon Chemical Patents, Inc. Lactone-modified, mannich base dispersant additives useful in oleaginous compositions. 4,828,742, 5-9-89, Cl. 252-51.50R.
- Lundberg, Robert D.: *See—*
  - Chen, Frank J.; Emert, Jacob; Lundberg, Robert D.; and Giffin, Gregory C., 4,849,572, Cl. 585-525.000.
  - Emert, Jacob; Waddoups, Malcolm; and Lundberg, Robert D., 4,863,624, Cl. 252-51.50A.
  - Gutierrez, Antonio; Lundberg, Robert D.; Kleist, Robert A.; and Bloch, Ricardo, 4,839,071, Cl. 252-51.50A.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,857,217, Cl. 252-47.000.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,135, Cl. 525-285.000.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,139, Cl. 525-333.700.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,140, Cl. 525-333.700.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,141, Cl. 525-333.700.
  - Gutierrez, Antonio; and Lundberg, Robert D., 4,866,142, Cl. 525-333.700.
  - Gutierrez, Antonio; Lundberg, Robert D.; and Colcord-Hernandez, Laura J., 4,870,197, Cl. 556-114.000.
- Lundblom, Richard J. Router stand with guard assembly. 4,830,074, 5-16-89, Cl. 144-251.00B.
- Lunde, Gary P.: *See—*
  - Larson, Kenneth J.; and Lunde, Gary P., 4,865,747, Cl. 210-695.000.
- Lunde, George G., to Minnesota Mining and Manufacturing Company. Vacuum removal of liquid toner from a record member. 4,878,090, 10-31-89, Cl. 355-256.000.
- Lunde, Gerald A.: *See—*
  - Weingart, Oscar; Lunde, Gerald A.; and Taylor, Clark D., 4,822,444, Cl. 156-441.000.
  - Weingart, Oscar; Lunde, Gerald A.; and Taylor, Clark D., 4,869,761, Cl. 156-175.000.
- Lundeen, Merle E., and Sewell, Wesley C., to Honeywell Inc. Dither signal remover for a dithered ring laser angular rate sensor. 4,802,766, 2-7-89, Cl. 356-350.000.
- Lundeen, Richard F. Method for repairing vehicle control cable. 4,847,973, 7-18-89, Cl. 29-402.080.
- Lundelius, William. Restraining device. 4,860,560, 8-29-89, Cl. 70-16.000.
- Lundell, Lars-Gunnar, to Sandvik AB. Drill rod for percussion drilling. 4,872,515, 10-10-89, Cl. 173-132.000.
- Lunden, Peter: *See—*
  - Tengstrand, Goran; Lindblom, Boris; Nilsson, Jerry; and Lunden, Peter, 4,878,561, Cl. 181-188.000.
- Lundergan, Robert G.: *See—*
  - Thakrar, Anil C.; and Lundergan, Robert G., 4,832,615, Cl. 439-272.000.
- Lunderius, Erik K.: *See—*
  - Johansson, Jan H.; and Lunderius, Erik K., 4,882,506, Cl. 307-296.100.
- Lunderman, William; and Seidler, David, to Revlon, Inc. Compact case with irreversible hinge. 4,840,288, 6-20-89, Cl. 220-334.000.
- Lundgren, Bryan L., to Haworth, Inc. Vision guided panel fabric cutter. 4,833,957, 5-30-89, Cl. 83-56.000.
- Lundgren, Paul R., to Dual-Lite Manufacturing, Inc. Communicator and communication method and system. 4,837,779, 6-6-89, Cl. 375-10.000.
- Lundgren, Roger: *See—*
  - Medin, Gunnar; Olsson, Erik; Sjoo, Lennart; and Lundgren, Roger, 4,881,448, Cl. 89-36.020.
- Lundh, Peter C. B., to Telefonaktiebolaget L M Ericsson. Method and apparatus for transmitting information via a bus system. 4,821,263, 4-11-89, Cl. 370-85.000.
- Lundhild, Evelyn M.: *See—*
  - Dokurno, Mark G.; Harbourne, David A.; and Lundhild, Evelyn M., 4,847,317, Cl. 524-424.000.
- Lundin, Annelie B.: *See—*
  - Andersson, Lars-Olof; Forsman, Nanna; Larsen, Kerstin E. I.; Lundin, Annelie B.; Pavlu, Bohdan; Sandberg, Inga H.; and Sewerin, Karin M., 4,877,614, Cl. 424-101.000.

Lundin, Claes O. A.; Larsson, Erik M.; and Akermark, Bjorn J. E., to Berol Nobel Nacka AB. Peresters, their preparation and use as polymerization initiators. 4,859,794, 8-22-89, Cl. 560-302.000.

Lundin, Lars, to Oy Lars Lundin Patent AB. Arrangement in a water craft for collecting oil or other contaminants present on the surface of water. 4,831,955, 5-23-89, Cl. 114-270.000.

Lundin, Lars, to Oy Lars Lundin Patent AB. Device for picking up oil from water and from the surface of water. 4,834,880, 5-30-89, Cl. 210-242.300.

Lundin, Ralph L.: *See—*

Duran, Edward L.; and Lundin, Ralph L., 4,828,052, Cl. 175-55.000.

Lundin, Sten: *See—*

Odenbrand, Ingemar; Brandin, Jan; Andersson, Lars; and Lundin, Sten, 4,847,058, Cl. 423-239.000.

Lundman, Philip L. Method and apparatus for shipping and storing portable automobile ramps. 4,796,410, 1-10-89, Cl. 53-446.000.

Lundquist, Alan E.; Spencer, Billie M.; and Zscheile, John W., Jr., to Unisys Corporation. Method of correcting navigation system errors caused by drift. 4,817,001, 3-28-89, Cl. 364-460.000.

Lundquist, Alan E.; Kingston, Samuel C.; Spencer, Billie M.; and Zscheile, John W., Jr., to Unisys Corporation. Range estimation using floating reference points. 4,817,113, 3-28-89, Cl. 375-1.000.

Lundquist, Alan E.: *See—*

Shestag, Lowell N.; Zscheile, John W., Jr.; Lundquist, Alan E.; and Kirkpatrick, Glen S., 4,827,269, Cl. 343-766.000.

Zscheile, John W., Jr.; Lundquist, Alan E.; and Spencer, Bellie M., 4,809,295, Cl. 375-1.000.

Zscheile, John W., Jr.; Lundquist, Alan E.; and Spencer, Billie M., 4,890,297, Cl. 375-1.000.

Lundquist, Ingemar H.; Tarczy-Hornoch, Zoltan; and Kardos, Thomas J., to Retroperfusion Systems, Inc. Retroperfusion control apparatus, system and method. 4,865,581, 9-12-89, Cl. 600-18.000.

Lundquist, Lynn. Elastomer die plug. 4,865,080, 9-12-89, Cl. 138-89.000.

Lundqvist, Inge J.: *See—*

Karlsson, Hakan I.; Lundqvist, Inge J.; Hardin, Bengt Y.; and Ostman, Thomas L., 4,874,467, Cl. 162-198.000.

Lundqvist, Kjell U. W., to Kamyr AB. Pressure vessel with rotating disk. 4,844,789, 7-4-89, Cl. 210-398.000.

Lundqvist, Rolf: *See—*

Ivarsson, Lennart; and Lundqvist, Rolf, 4,806,168, Cl. 106-104.000.

Lundqvist, Sven-Olof: *See—*

Einarson, Jens C.; and Lundqvist, Sven-Olof, 4,806,014, Cl. 356-335.000.

Lundsager, Christian B.: *See—*

Cheng, Wu-Cheng; Lundsager, Christian B.; and Spotnitz, Robert M., 4,826,799, Cl. 502-301.000.

Lundsgaard, Jorgen S., to MHB Joint Venture. Electrochemical cell. 4,879,190, 11-7-89, Cl. 429-94.000.

Lundstrom, Robert W.; and Emmons, Thomas R., to DataCard Corporation. Solenoid shock absorbing bumper arrangement and method. 4,862,127, 8-29-89, Cl. 335-257.000.

Lundvall, Carl L., II: *See—*

Maninger, Loren L.; New, David A.; and Lundvall, Carl L., II, 4,877,998, Cl. 315-15.000.

Lundy, Arnold Stephen: *See—*

Carr, Harold B., 4,815,996, Cl. 440-75.000.

Lundy, Charles E.; Paul, Winfried G.; and Krishnan, Sivaram, to Mobay Corporation. Gamma-radiation resistant polycarbonate compositions. 4,804,692, 2-14-89, Cl. 523-137.000.

Lundy, Charles E.; and Krishnan, Sivaram, to Mobay Corporation. Hydrolytically stable polycarbonate composition comprising dicyclopentadienyl epoxy ether. 4,847,312, 7-11-89, Cl. 524-114.000.

Lundy, Charles E.; and Krishnan, Sivaram, to Mobay Corporation. Gamma radiation rsistant polycarbonate compositions. 4,873,271, 10-10-89, Cl. 523-136.000.

Lundy, Charles E.; Krishnan, Sivaram; and Reinert, Gerard E., to Mobay Corporation. Polycarbonate compositions resistant to gamma radiation. 4,874,802, 10-17-89, Cl. 524-94.000.

Lundy ELectronics & Systems, Inc.: *See—*

Britt, Ronald H., 4,876,730, Cl. 382-37.000.

Lundy, George A.: *See—*

Farrell, Robert C.; and Lundy, George A., 4,881,842, Cl. 403-19.000.

Lundy, John. Automatic ejection snow plow. 4,858,348, 8-22-89, Cl. 37-265.000.

Lundy, Joseph R., to Lundy Research Laboratories, Inc. Method and apparatus for characterizing the unknown state of a physical system. 4,812,976, 3-14-89, Cl. 364-413.060.

Lundy Research Laboratories, Inc.: *See—*

Lundy, Joseph R., 4,812,976, Cl. 364-413.060.

Lune Metal Spinning Company Limited: *See—*

Micallef, Charles R., 4,825,665, Cl. 62-372.000.

Luneau, Gerard. Installation for handling and transferring palletized or containerized loads. 4,815,927, 3-28-89, Cl. 414-476.000.

Lunenschloss, Joachim: *See—*

Brockmanns, Karl-Josef; and Lunenschloss, Joachim, 4,815,267, Cl. 57-401.000.

Lunenschloss, John T.: *See—*

Gregerson, Glen M.; Lunenschloss, John T.; Ebbott, Henry M.; and Beckeman, Raymond A., 4,887,954, Cl. 414-401.000.

Lung, Huang C.: *See—*

Kuei, Liu C.; Shui, Chen C.; and Lung, Huang C., 4,843,371, Cl. 340-539.000.

Lung, Hurbert: *See—*

Wettengel, Lothar; and Lung, Hurbert, 4,828,508, Cl. 439-235.000.

Lung, Jimmy R., to Destin Machine, Inc. Telescopic gaff hook device. 4,881,338, 11-21-89, Cl. 43-5.000.

Lungers, Karl H., to Leo Sistig KG. Process for regulating the cloth tension on cylinder napping machines. 4,803,761, 2-14-89, Cl. 26-35.000.

Lungershausen, Arnold W.: *See—*

Estes, Marvin F.; and Lungershausen, Arnold W., 4,854,662, Cl. 350-96.200.

Estes, Marvin F.; and Lungershausen, Arnold W., 4,875,756, Cl. 350-96.200.

Lungu, Corneliu, to Robert Bosch GmbH. Magnetic valve. 4,880,206, 11-14-89, Cl. 251-129.210.

Luniewicz, Michael M.: *See—*

Hackett, Robert R.; Kenepp, Gregory S.; Luniewicz, Michael M.; and Swim, Martin L., 4,849,972, Cl. 370-110.100.

Lunini, Antonio: *See—*

Luciani, Sabatino; and Lunini, Antonio, 4,858,835, Cl. 242-1.10A.

Lunk, Hans E.; Reed, Donald A.; Deep, Marguerite E.; Hill, Charles and Au, Andrew, to Raychem Corporation. Melt-shapeable fluoropolymer compositions. 4,859,836, 8-22-89, Cl. 219-548.000.

Lunk, Hans E.: *See—*

Mehan, Ashok K.; and Lunk, Hans E., 4,876,116, Cl. 427-118.000.

Lunke & Sohn GmbH: *See—*

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Mertin, Ralf; Claar, Klaus; Schilling, Jan; Schrader, Jurgen; Seel, Holger; Staiger, Helmut; Mangold, Artur; and Zweigart, Gerhard, 4,815,775, Cl. 292-201.000.

Lunkenheimer Tubecraft Canada Ltd.: *See—*

James, Bruce; and Calder, Leslie, 4,815,693, Cl. 251-14.000.

Lunkenheimer, Winfried: *See—*

Gayer, Herbert; Jelich, Klaus; Lunkenheimer, Winfried; Brandes, Wilhelm; and Hanssler, Gerd, 4,886,833, Cl. 514-521.000.

Lunkov, Evgeny S.: *See—*

Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.

Lunn, John E. End protector for a reinforcing bar. 4,833,850, 5-30-89, Cl. 52-301.000.

Lunney, Elizabeth A.: *See—*

Kaltenbronn, James S.; Lunney, Elizabeth A.; and Nicolaides, Ernest D., 4,804,743, Cl. 530-330.000.

Lunsford, Carl D.; and Chen, Ying-Ho, to A. H. Robins Company, Incorporated. 1-aryloxy-4-amino-2-butanols. 4,806,555, 2-21-89, Cl. 514-652.000.

Lunt, Audrey T. Disposable gown for medical patients. 4,819,27 4-11-89, Cl. 2-114.000.

Lunt, James: *See—*

Meunier, Paul J.; Lunt, James; and MacPherson, Edwin J., 4,883,824, Cl. 521-88.000.

Lunt, Michael S.: *See—*

Harper, William P.; and Lunt, Michael S., 4,816,717, Cl. 313-502.000.

Harper, William P.; and Lunt, Michael S., 4,832,459, Cl. 350-345.000.

Lunts, Lawrence H. C.: *See—*

Finch, Harry; Lunts, Lawrence H. C.; Naylor, Alan; Skidmore, Ian F.; and Campbell, Ian B., 4,853,381, Cl. 514-211.000.

Skidmore, Ian F.; Finch, Harry; Naylor, Alan; Lunts, Lawrence H. C.; and Campbell, Ian B., 4,853,382, Cl. 514-212.000.

Lunz, Kenneth G.: *See—*

Bednar, Fred H.; and Lunz, Kenneth G., 4,853,174, Cl. 376-254.0

Luo, Jih-Tzang, to Industrial Technology Research Institute. Two-stroke engine having a central scavenging system. 4,809,648, 3-7-8 Cl. 123-73.0AA.

Luo, Jih-Tzang, to Industrial Technology Research Institute. Air-injection device for two-stroke engines. 4,848,279, 7-18-89, Cl. 123-26.0

Luo, Mary Z.: *See—*

Chen, Ying T.; and Luo, Mary Z., 4,805,998, Cl. 350-420.000.

Chen, Ying T.; and Luo, Mary Z., 4,809,728, Cl. 137-112.000.

Luong, Minh P.: *See—*

Martin, Andre; and Luong, Minh P., 4,841,149, Cl. 250-330.000.

Martin, Andre; and Luong, Minh P., 4,844,661, Cl. 405-232.000.

Luoto, Risto: *See—*

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Barbagelata, Giuseppe; Conterno, Bruno; Luperini, Vildo; Perrone, Enrico; Pesce, Fernando; and Pugliese, Osvaldo, 4,814,970, Cl. 364-200.000.

Luperti, Harry E.; Irvine, Robert; and Luvara, Anthony, to Pitney Bowes Inc. Standard and reverse collator. 4,805,891, 2-21-89, Cl. 271-212.000.

Lupinski, John H.: *See—*

Walles, Erik W.; Crivello, James V.; and Lupinski, John H., 4,842,800, Cl. 264-272.130.

Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bein, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853 Cl. 523-428.000.

Lupo, Anthony C., to Sunny's Waterbeds & Accessories, Inc. Waterbed pedestal wrap. 4,878,259, 11-7-89, Cl. 5-451.000.

Lupo, Joseph; and Chipchase, Frank. Conveyor system including chain drive for driving an endless belt in tensioned condition. 4,850,475, 7-25-89, Cl. 198-778.000.

Lupoli, Peter J.; and Mattis, Donald J., to Casco Products Corporation. Electric switch construction. 4,803,320, 2-7-89, Cl. 200-342.000.

Lupoli, Peter J.: *See—*

Beauvais, Thomas; Krenke, Vincent G.; Lupoli, Peter J.; and Mattis, Donald J., 4,840,137, Cl. 116-227.000.

Lupton, John M., to National Research Development Corporation. Dry separation of solids. 4,857,177, 8-15-89, Cl. 209-466.000.

Luquette, Michael M., to Innovative Therapeutic Designs, Inc. Direct drive rehabilitation and fitness apparatus and method of construction. 4,878,663, 11-7-89, Cl. 272-134.000.

Lurkens, Peter: *See—*

Geuer, Wolfgang; Lurkens, Peter; and Schoner, Hans P., 4,833,459, Cl. 340-636.000.

Lurrsen, Klaus: *See—*

Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurrsen, Klaus, 4,880,932, Cl. 544-320.000.

Lurssen, Klaus: *See—*

Forster, Heinz; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,889,946, Cl. 560-21.000.

Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert F.; and Lurssen, Klaus, 4,808,209, Cl. 71-92.000.

Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,810,283, Cl. 71-92.000.

Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Paul, Volker, 4,797,499, Cl. 549-559.000.

Holmwood, Graham; Regel, Erik; Jager, Gerhard; Buchel, Karl H.; Frohberger, Paul-Ernst; Brandes, Wilhelm; and Lurssen, Klaus, 4,868,196, Cl. 514-383.000.

Holmwood, Graham; Buchel, Karl H.; Lurssen, Klaus; Frohberger, Paul-Ernst; and Brandes, Wilhelm, 4,871,390, Cl. 71-92.000.

Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.

Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,797,484, Cl. 544-215.000.

Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,844,730, Cl. 71-93.000.

Regel, Erik; Bockmann, Klaus; Buchel, Karl H.; Lurssen, Klaus; Brandes, Wilhelm; Konze, Jorg; and Reinecke, Paul, 4,875,928, Cl. 71-92.000.

Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,871,387, Cl. 71-92.000.

Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,812,165, Cl. 71-92.000.

Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,799,951, Cl. 71-92.000.

Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,814,001, Cl. 71-92.000.

Stroech, Klaus; Frie, Monika; Bockmann, Klaus; Lurssen, Klaus; and Dutzmann, Stefan, 4,888,048, Cl. 71-92.000.

Luryi, Sergey, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Dislocation-free epitaxial layer on a lattice-mismatched porous or otherwise submicron patterned single crystal substrate. 4,806,996, 2-21-89, Cl. 357-16.000.

Luryi, Sergey, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Transistor having voltage-controlled thermionic emission. 4,829,349, 5-9-89, Cl. 357-23.100.

Luryi, Sergey, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Transistor comprising a 2-dimensional carrier gas collector situated between emitter and gate. 4,860,064, 8-22-89, Cl. 357-12.000.

Luscher, Rene: *See—*

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Luschnig, Franz: *See—*

Stritzl, Karl; Freisinger, Henry; and Luschnig, Franz, 4,858,946, Cl. 280-618.000.

Stritzl, Karl; Luschnig, Franz; Riegler, Andreas; Wurthner, Hubert; and Freisinger, Henry, 4,878,687, Cl. 280-605.000.

Luscombe, Brian M.: *See—*

Hewett, Richard H.; and Luscombe, Brian M., 4,875,925, Cl. 71-94.000.

Lush, Raymon W., to Sweet Corn Products. Sweet corn based rodenticide. 4,815,923, 3-28-89, Cl. 424-410.000.

Lush, Richard A.; and Tsao, Hsiang-Wei, to Sun Refining and Marketing Company. Process for removing arsine impurities in process streams. 4,877,920, 10-31-89, Cl. 585-823.000.

Lush, Steven; and Kerbstat, Siegfried, to C. A. Weidmuller GmbH & Co. Coupler terminal block. 4,872,092, 10-3-89, Cl. 361-426.000.

Lusher, David M.: *See—*

McClanahan, Robert F.; Washburn, Robert D.; Gonzalez, Carlos H.; Sze, Jerry C.; and Lusher, David M., 4,841,429, Cl. 363-126.000.

Lusignan, Bruce B.; and Dadakarides, Simos D., to Stanford University. Electrical cable having improved signal transmission characteristics. 4,843,356, 6-27-89, Cl. 333-236.000.

Lusignea, Richard W.; and Stevenson, William A., to Foster Miller, Inc. Lyotropic liquid crystalline oriented polymer substrate for printed wire board. 4,871,595, 10-3-89, Cl. 428-1.000.

Lusinchi, Jean-Pierre; and Moreau, Jean-Michel, to SGS-Thomson Microelectronics S.A.; and Marelli Autronica. Electronic angular measurement device. 4,868,498, 9-19-89, Cl. 324-173.000.

Lusk, Elmer C.: *See—*

Nunnery, Ermal R.; and Lusk, Elmer C., 4,829,865, Cl. 83-425.300.

Nunnery, Ermal R.; and Lusk, Elmer C., 4,830,070, Cl. 144-193.00A.

Nunnery, Ermal R.; and Lusk, Elmer C., 4,834,154, Cl. 144-3.00K.

Nunnery, Ermal R.; and Lusk, Elmer C., 4,869,303, Cl. 144-193.00A.

Lussi, Andre, to M. Schaerer AG. Operating table with a patient support surface tiltable around the longitudinal and transverse axes. 4,872,657, 10-10-89, Cl. 269-325.000.

Lussier, Roger J.; and Surland, George J., to W. R. Grace & Co.-Conn. Catalytic cracking process exploying a zeolite as catalysts and catalyst supports. 4,836,913, 6-6-89, Cl. 208-120.000.

Lussier, Roger J., to W. R. Grace & Co.-Conn. Acid-reacted metakaolin catalyst and catalyst support compositions. 4,843,052, 6-27-89, Cl. 502-68.000.

Lussier, Roger J., to W. R. Grace & Co.-Conn. Catalysts and catalyst supports. 4,847,225, 7-11-89, Cl. 502-68.000.

Lussiez, Guy W.; Chou, Eddie C.; and Beckstead, Leo W., to Amax Inc. Production of hexagonal cadmium sulfide pigment. 4,810,303, 3-7-89, Cl. 106-452.000.

Lussow, Robert O.: *See—*

Herron, Lester W.; Lussow, Robert O.; Nufer, Robert W.; Schwartz, Bernard; Acocella, John; and Reddy, Srinivasa N., 4,879,156, Cl. 428-137.000.

Lustig, Robert S. Combined canoe seat and portage yoke. 4,873,935, 10-17-89, Cl. 114-347.000.

Lustig, Stanley; Schuetz, Jeffrey M.; and Vicik, Stephen J., to Viskase Corporation. Four-layer puncture resistant film. 4,828,891, 5-9-89, Cl. 428-35.400.

Lustig, Stanley; Mack, Nancy M.; Schuetz, Jeffrey M.; and Vicik, Stephen J., to Viskase Corporation. Puncture resistant, heat-shrinkable films containing very low density polyethylene. 4,863,769, 9-5-89, Cl. 428-34.900.

Lustig, Stanley; and Schuetz, Jeffrey M., to Viskase Corporation. Multilayer film containing very low density polyethylene. 4,863,784, 9-5-89, Cl. 428-218.000.

Lustig, Stanley; Schuetz, Jeffrey M.; and Vicik, Stephen J., to Viskase Corporation. Process for producing irradiated multilayer film for primal meat packaging. 4,865,780, 9-12-89, Cl. 264-22.000.

Lustour Corporation: *See—*

Dolence, Dale E., 4,837,956, Cl. 40-299.000.

Luszcz, Stanley J.; Urquhart, Andrew W.; and Newkirk, Marc S., to Lanxide Technology Company, LP. Surface bonding of ceramic bodies. 4,824,008, 4-25-89, Cl. 228-121.000.

Luszcz, Stanley J.; and Zwicker, Harry R., to Lanxide Technology Company, LP. Dense skin ceramic structure and method of making the same. 4,837,232, 6-6-89, Cl. 501-127.000.

Lutaenko, Vyacheslav F.; Matsievsky, Jury B.; Kostromitin, Valery A.; Abramovich, Grigory M.; and Bogoyavlensky, Igor F., to Raionnoe Energeticheskoe Upravlenie "Irkutskenergo". Training device for practicing emergency life saving techniques. 4,850,876, 7-25-89, Cl. 434-265.000.

Luteijn, Cornelis P.; Muylle, Michel; and Sanders, Carolus T., to Shell Oil Company. Process for recovery of hydrocarbons from a fluid feed. 4,842,718, 6-27-89, Cl. 208-308.000.

Lutey, Richard W.: *See—*

Hollis, C. George; and Lutey, Richard W., 4,866,080, Cl. 514-367.000.

Lutfy, Eric A. Solid projectiles. 4,811,666, 3-14-89, Cl. 102-501.000.

Lutgen, F. Paul: *See—*

Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., 4,845,975, Cl. 73-11.000.

Kyrtsos, Christos T.; Lutgen, F. Paul; and Gudat, Adam J., 4,887,454, Cl. 73-11.000.

Lutgen, Noel F.; and Hornby-Anderson, Sara, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Lance for discharging liquid nitrogen or liquid argon into a furnace throughout the production of molten metal. 4,848,751, 7-18-89, Cl. 266-44.000.

Lutgen, Noel F.: *See—*

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Luther, Hans W.: *See—*

Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.000.

Luther, LeRoy D., to Triangle Tool Corporation. Mold side wall locking apparatus. 4,881,891, 11-21-89, Cl. 425-556.000.

Luther Medical Products, Inc.: *See—*

Luther, Ronald B.; and Choksi, Pradip V., 4,832,696, Cl. 604-164.000.

Luther, Ronald B.; and Choksi, Pradip V., to Luther Medical Products, Inc. Assembly of needle and protector. 4,832,696, 5-23-89, Cl. 604-164.000.

Luther, Ronald B. Needle guard, and assembly. 4,838,871, 6-13-89, Cl. 604-192.000.

Luther, Ronald B. Connector with one-way septum valve, and assembly. 4,842,591, 6-27-89, Cl. 604-283.000.

Luther, Ronald B.; and Hannaford, Billy H. Dip formed catheter and assembly. 4,874,373, 10-17-89, Cl. 604-164.000.

- Luther, Thomas A.; Ward, Robert E., Jr.; Galliher, Joel D.; and Ryan, William J., to Warner & Swasey Company, The. Method of installing. 4,843,706, 7-4-89, Cl. 29-149.50R.
- Luther, Thomas A.; Ward, Robert E., Jr.; Galliher, Joel D.; and Ryan, William J., to Warner & Swasey Company, The. Fixture for locating elements for assembly. 4,863,149, 9-5-89, Cl. 269-8.000.
- Luthi, Oscar; Lewis, Frederick S.; and Carlsmith, Lawrence A., to Ingersoll-Rand Company. Method of washing pulp in a pressure pulp washer adding two washing liquids. 4,808,265, 2-28-89, Cl. 162-60.000.
- Luthi, Oscar, to Ingersoll-Rand Company. Pulp washer discharging a pulp slurry at a controlled consistency. 4,827,741, 5-9-89, Cl. 68-43.000.
- Luthra, Ajay K.; and Jenq, Yih-Chyun, to Tektronix, Inc. Method and apparatus for processing waveform records for jitter elimination prior to averaging in determining signal to noise ratio. 4,825,379, 4-25-89, Cl. 364-487.000.
- Luthy, Chella, to Creative Environments, Inc. Fragrance dispensing apparatus. 4,837,421, 6-6-89, Cl. 219-272.000.
- Luthy, Christoph; and Zurfluh, Rene, to Hoffmann-La Roche Inc. Heterocyclic compounds. 4,871,757, 10-3-89, Cl. 514-383.000.
- Lutkemeyer, Gunter: *See—*
  - Balke, Siegmund; and Lutkemeyer, Gunter, 4,858,545, Cl. 112-275.000.
- Lutkin, Eric A.: *See—*
  - Coyne, Thomas S.; Klapprott, Daniel H.; Lutkin, Eric A.; Mitchell, Frances E.; Riggin, Ute H.; Steichen, Dale S.; and Thompson, Suzanne M., 4,865,759, Cl. 252-186.420.
- Lutocka, John A., Jr.: *See—*
  - Jankowiak, Roman; and Lutocka, John A., Jr., 4,799,907, Cl. 441-42.000.
- Lutomski, Kathryn A.; Roush, David M.; and Phillips, Richard B., to FMC Corporation. Photoactivated miticidal and insecticidal ethynylthiazoles. 4,889,867, 12-26-89, Cl. 514-365.000.
- Luton, Karen G.: *See—*
  - Anderson, Frank E.; Gay, Christopher J.; Hightower, Scott A.; and Luton, Karen G., 4,888,600, Cl. 341-24.000.
- Luton, Michael J.; Ayer, Raghavan; Petkovic-Luton, Ruzica; Vallone, Joseph; and Matras, Stephen, to Exxon Research and Engineering Company. Method of extruding aluminum-base oxide dispersion strengthened. 4,818,481, 4-4-89, Cl. 419-67.000.
- Lutron Electronics Co., Inc.: *See—*
  - Barney, Jonathan A.; and Karunaratne, Arjuna R., 4,841,221, Cl. 323-320.000.
  - Ference, Jonathan H.; Blonstein, Steven M.; Rowen, Michael J.; Newman, Robert C., Jr.; and Spira, Joel S., 4,797,599, Cl. 315-194.000.
  - Graef, John T.; Jacoby, Elliot G.; and Spira, Joel S., 4,835,343, Cl. 174-66.000.
  - Graef, John T., 4,835,816, Cl. 16-114.00R.
  - Jacoby, Elliot; Yuhasz, Stephen J.; and Mayo, Noel, 4,825,075, Cl. 250-342.000.
  - Jacoby, Elliot G., Jr.; D'Aleo, Michael J.; Luchaco, David G.; Spira, Joel S.; Wagner, Richard A.; Yuhasz, Stephen J.; and Dowler, David H., 4,803,380, Cl. 307-157.000.
  - Jacoby, Elliot G., Jr.; Mayo, Noel; and Spira, Joel S., 4,833,277, Cl. 174-66.000.
  - Kirby, David, 4,816,628, Cl. 200-419.000.
  - Luchaco, David G.; Yuhasz, Stephen J.; Hurst, Ian R.; and Spira, Joel S., 4,833,339, Cl. 307-115.000.
  - Luchaco, David G.; and Houng, Charles C., 4,876,498, Cl. 323-300.000.
  - Rowen, Michael J., 4,889,999, Cl. 307-31.000.
- Luttermoser, Donald L.: *See—*
  - Ross, Donald K.; and Luttermoser, Donald L., 4,852,888, Cl. 273-373.000.
- Luttmer, David J.; Panian, Thomas L.; Wixey, Barry D.; and Wilson, Raymond L., to Delta International Machinery Corp. Capacitive measurement system. 4,873,770, 10-17-89, Cl. 33-706.000.
- Luttmer, Joseph D.; York, Rudy L.; Smith, Patricia B.; and Davis, Cecil J., to Texas Instruments Incorporated. Method for depositing compound from group II-VI. 4,837,113, 6-6-89, Cl. 427-38.000.
- Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; York, Rudy L.; Loewenstein, Lee M.; and Jucha, Rhett B., to Texas Instruments Incorporated. Method for etching films of mercury-cadmium-telluride and zinc sulfid. 4,838,984, 6-13-89, Cl. 156-643.000.
- Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; and York, Rudy L., to Texas Instruments Incorporated. Method for passivating wafer. 4,855,160, 8-8-89, Cl. 427-38.000.
- Luttmer, Joseph D.; and Little, D. Dawn, to Texas Instruments Incorporated. Semiconductor passivation. 4,876,222, 10-24-89, Cl. 437-225.000.
- Luttmer, Joseph D.: *See—*
  - York, Rudy L.; Luttmer, Joseph D.; Smith, Patricia B.; and Davis, Cecil J., 4,877,757, Cl. 437-235.000.
- Luttner, Richard J.; and Yurko, Ronald J., to Latronics Corporation. Thyrister housing gate lead and method of manufacturing same. 4,843,452, 6-27-89, Cl. 357-68.000.
- Lutwick, Gerald D.; and MacAulay, James D., to Nova Scotia Research Foundation Corporation. Method and apparatus for mixing two or more components such as immiscible liquids. 4,806,019, 2-21-89, Cl. 366-167.000.
- Luty, Fritz: *See—*
  - Moore, James E.; Kale, B. Michael; Csanak, George; and Luty, Fritz, 4,884,855, Cl. 350-1.100.
- Lutz, Albert W.; and Rodaway, Shirley J., to American Cyanamid Company. Alkyl-, alkenyl- and alkynylnitroguanidines as cytokinin plant growth regulants. 4,822,408, 4-18-89, Cl. 71-121.000.
- Lutz, Andre: *See—*
  - Heymes, Rene; and Lutz, Andre, 4,843,164, Cl. 548-194.000.
- Lutz, Carl D.: *See—*
  - Sousa, John G.; Winey, Calvin M.; Hock, Allan G.; and Lutz, Carl D., 4,870,431, Cl. 346-140.00R.
- Lutz, Christian, to Etablissement Supervis. Preloaded drive assembly. 4,886,480, 12-12-89, Cl. 464-112.000.
- Lutz, David L., to Kenco Engineering, Inc. Screed for asphalt paver. 4,865,487, 9-12-89, Cl. 404-118.000.
- Lutz, Dieter, to SACHS-Systemtechnik GmbH. System for controlling the free-wheeling release operation of a motor vehicle clutch. 4,842,113, 6-27-89, Cl. 192-0.055.
- Lutz, Dieter: *See—*
  - Kittel, Friedrich; Lutz, Dieter; Nagler, Franz; Oppitz, Horst; and Gasper, Gerhard, 4,852,419, Cl. 74-89.140.
- Lutz, Elmer B.: *See—*
  - Moore, Eugene A.; and Lutz, Elmer B., 4,887,703, Cl. 192-45.000.
- Lutz, Eugene G.: *See—*
  - Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Graybill, John K.; and Lutz, Eugene G., 4,873,315, Cl. 570-130.000.
  - Schweighardt, Frank K.; Bailey, Webb I.; Lileck, John T.; Graybill, John K.; and Lutz, Eugene G., 4,885,414, Cl. 570-130.000.
- Lutz, Ferdinand, to BBC Brown Boveri Aktiengesellschaft. Hydraulic drive for a high-voltage switchgear. 4,849,650, 7-18-89, Cl. 307-118.000.
- Lutz, Frank T., to Cardiff Technology Inc. Linear actuator for disc drive. 4,853,808, 8-1-89, Cl. 360-98.010.
- Lutz, Gary E.: *See—*
  - Patterson, Charles R.; and Lutz, Gary E., 4,802,057, Cl. 361-232.000.
- Lutz, Georg, to U.S. Philips Corporation. Circuit arrangement for converting a data signal. 4,837,571, 6-6-89, Cl. 341-67.000.
- Lutz, Gerhard: *See—*
  - Kemmer, Josef; and Lutz, Gerhard, 4,837,607, Cl. 357-30.000.
  - Kemmer, Josef; and Lutz, Gerhard, 4,885,620, Cl. 357-24.000.
- Lutz, Gilbert F.: *See—*
  - Homer, John C.; Nowshiravani, Shahriar; Ross, Steven L.; and Lutz, Gilbert F., 4,809,190, Cl. 364-510.000.
  - Homer, John C.; and Lutz, Gilbert F., 4,816,227, Cl. 422-159.000.
  - Homer, John C.; Nowshiravani, Shahriar; Ross, Steven L.; and Lutz, Gilbert F., 4,846,081, Cl. 110-186.000.
- Lutz, Gottfried: *See—*
  - Toral, Jose; and Lutz, Gottfried, 4,811,911, Cl. 242-56.00R.
  - Toral, Jose; and Lutz, Gottfried, 4,869,440, Cl. 242-199.000.
- Lutz, Hans: *See—*
  - Gossl, Erhard; Lutz, Hans; and Schottle, Peter, 4,806,059, Cl. 414-331.000.
- Lutz, Henning: *See—*
  - Kopsch, Reiner; Gosswein, Claus F.; Lutz, Henning; Ball, Michael; and Hubert, Peter, 4,872,987, Cl. 210-635.000.
- Lutz, Joseph M. System for selectively receiving telephone calls. 4,845,743, 7-4-89, Cl. 379-199.000.
- Lutz, LeRoy A.: *See—*
  - Croucher, Meredith W., Jr.; Fisher, James M.; Letizia, Richard; Lutz, LeRoy A.; Makowski, Ralph F.; Moyse, Richard L.; Osgood, Richard W.; Rave, John N.; Wickwire, Ward A.; and Zillmer, James F., 4,863,303, Cl. 403-11.000.
- Lutz, Manfred; and Reimer, Bernd, to Licentia Patent-Verwaltungs-GmbH. Layered electrophotographic recording material containing selenium, arsenic and bismuth or tellurium. 4,877,700, 10-31-89, Cl. 430-58.000.
- Lutz, Manfred, to Fichtel & Sachs AG. Locking drive for a central locking system. 4,885,922, 12-12-89, Cl. 70-264.000.
- Lutz, Michael: *See—*
  - Drozd, Edward; and Lutz, Michael, 4,844,284, Cl. 220-281.000.
- Lutz, Michael A.; Reaoch, Ronald S.; and Reedy, Philip E., Jr., to Dow Corning Corporation, The. Infusible preceramic silazane polymer via ultraviolet irradiation. 4,816,497, 3-28-89, Cl. 522-46.000.
- Lutz, Michael A.: *See—*
  - Lee, Chi-long; and Lutz, Michael A., 4,849,461, Cl. 522-33.000.
- Lutz, Peter J., III, to E&E Engineering, Inc. Floor Squeak Eliminator. 4,888,926, 12-26-89, Cl. 52-291.000.
- Lutz, Raymond C. Bicyclist's hand-portable rack-mounting garment pack w/panniers. 4,869,408, 9-26-89, Cl. 224-32.00A.
- Lutz, Reinhold: *See—*
  - Kunkel, Bernd; Keller, Karl; and Lutz, Reinhold, 4,819,486, Cl. 73-382.00R.
- Lutz, Richard W.: *See—*
  - Hutcheson, J. Stanford; Lutz, Richard W.; Obrist, Paul K.; Flaugher, David J.; and Watts, Charles E., 4,889,132, Cl. 128-680.000.
- Lutz, Robert G.; Gelles, Richard; and Gergen, William P., to Shell Oil Company. Impact resistant blends of thermoplastic polyamides, functionalized polyolefins and functionalized elastomers. 4,795,7 1-3-89, Cl. 525-66.000.
- Lutz, Robert G., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and a hydroxyalkyl ether. 4,808,6 2-28-89, Cl. 525-529.000.
- Lutz, Robert G., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and a vinyl aromatic compound with a α,β-unsaturated cyclic anhydride copolymer. 4,814,378, 3-21-89, Cl. 525-55.000.
- Lutz, Robert G., to Shell Oil Company. Polymer blends of polyolefins and alternating copolymers of carbon monoxide and other monomers. 4,816,514, 3-28-89, Cl. 525-55.000.
- Lutz, Robert G.; and Gergen, William P., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and a polyacetal polymer. 4,816,530, 3-28-89, Cl. 525-472.000.
- Lutz, Robert G., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and a poly(vinylpyridine) polymer. 4,824,910, 4-25-89, Cl. 525-185.000.
- Lutz, Robert G., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and a poly(2-oxazoline) polymer. 4,826,926, 5-2-89, Cl. 525-412.000.
- Lutz, Robert G., to Shell Oil Company. Polymer blend. 4,857,605, 8-15-89, Cl. 525-445.000.
- Lutz, Robert G.; and Gergen, William P., to Shell Oil Company. Polymer blend of polyketone polymers with tetrafluoroethylene. 4,870,133, 9-26-89, Cl. 525-185.000.
- Lutz, Robert G.; and Smutny, Edgar J., to Shell Oil Company. Polymer blend. 4,880,863, 11-14-89, Cl. 524-377.000.
- Lutz, Robert G.; and Gergen, William P., to Shell Oil Company. Polymer blend of carbon monoxide/olefin copolymer and polycarbonate. 4,880,908, 11-14-89, Cl. 525-468.000.
- Lutz, Robert G.: *See—*
  - Danforth, Richard L.; Handlin, Dale L., Jr.; Gergen, William P.; and Lutz, Robert G., 4,851,482, Cl. 525-455.000.
  - George, Eric R.; Lutz, Robert G.; and Smutny, Edgar J., 4,874,819, Cl. 525-185.000.
  - Gergen, William P.; and Lutz, Robert G., 4,797,447, Cl. 525-92.000.
  - Gergen, William P.; and Lutz, Robert G., 4,818,786, Cl. 525-55.000.
  - Gergen, William P.; and Lutz, Robert G., 4,839,435, Cl. 525-391.000.
  - Gergen, William P.; and Lutz, Robert G., 4,839,437, Cl. 525-426.000.
  - Gergen, William P.; and Lutz, Robert G., 4,866,128, Cl. 525-92.000.
  - Gerlowski, Leonard E.; Kastelic, John R.; and Lutz, Robert G., 4,866,122, Cl. 525-58.000.
  - Pottick, Lorelle; Willis, Carl L.; Gergen, William P.; and Lutz, Robert G., 4,868,245, Cl. 525-98.000.
- Lutz, Walter; and Keiper, Roman, to Hoechst Aktiengesellschaft. Drafting material. 4,801,508, 1-31-89, Cl. 428-483.000.
- Lutz, William R.; Verschueren, Wim G.; Fischer, Hanspeter; and Van Lommen, Guy R. E., to Janssen Pharmaceutica N.V. Tricyclic 1H-imidazole-5-carboxylic acid derivatives and use thereof as herbicides. 4,830,664, 5-16-89, Cl. 71-92.000.
- Lutz, William R.; Van Lommen, Guy R. E.; Sipido, Victor; and Verschueren, Wim G., to Janssen Pharmaceutica N.V. 1-methyl-1H-imidazole-5-carboxylic acid derivatives and their use as herbicides. 4,832,732, 5-23-89, Cl. 71-92.000.
- Lutz, William R.: *See—*
  - De Bruyn, Marcel F. L.; Van Lommen, Guy R. E.; and Lutz, William R., 4,878,940, Cl. 71-92.000.
  - Van Lommen, Guy R. E.; Lutz, William R.; and Van Gestel, Jozef F. E., 4,813,998, Cl. 71-92.000.
  - Van Lommen, Guy R. E.; Sipido, Victor; Verschueren, Wim G.; and Lutz, William R., 4,824,472, Cl. 71-92.000.
- Lutze, Hans; and Zeidler, Falk, to Mercedes-Benz AG. Safety device for the occupant of the central rear seat position in a motor vehicle. 4,881,754, 11-21-89, Cl. 280-728.000.
- Lutze, Norbert, to Daimler-Benz Aktiengesellschaft. Air filter casing of an internal combustion engine. 4,886,531, 12-12-89, Cl. 55-244.000.
- Lutzker, Matthew B.: *See—*
  - Specht, Donald F.; Wihl, Tim S.; Young, Scott A.; Hager, James J., Jr.; and Lutzker, Matthew B., 4,805,123, Cl. 364-559.000.
- Lutzker, Robert S., to L.K. Manufacturing Corp. Canape maker. 4,843,716, 7-4-89, Cl. 30-130.000.
- Luukkala, Mauri; and Marttinen, Tapio, to Stromberg Oy. Method and apparatus for noncontacting tension measurement in a flat foil and especially in a paper web. 4,833,928, 5-30-89, Cl. 73-862.390.
- Luukkala, Mauri; Matilainen, Aarre; and Viirto, Jarmo, to Soundek Oy. Fiber-optic detector for oils and solvents. 4,882,499, 11-21-89, Cl. 250-577.000.
- Luvara, Anthony: *See—*
  - Luperti, Harry E.; Irvine, Robert; and Luvara, Anthony, 4,805,891, Cl. 271-212.000.
- Luven, Arno: *See—*
  - Holtermann, Heinz; and Luven, Arno, 4,872,648, Cl. 266-275.000.
- Luvinh, Quoc, to Exxon Research & Engineering Company. Petroleum resins and their production. 4,824,921, 4-25-89, Cl. 526-237.000.
- Luvisotto, Roy G. Self-contained, mobile spraying apparatus. 4,865,255, 9-12-89, Cl. 239-149.000.
- Lux, Helmut: *See—*
  - Dorner, Wolfgang; Lux, Helmut; and Fink, Reinhold, 4,836,297, Cl. 173-162.100.
- Lux, Herbert: *See—*
  - Noe, Oskar; Noe, Rolf; Noe, Andreas; Dotsch, Willi; and Lux, Herbert, 4,886,199, Cl. 226-118.000.
- Lux, Mathias: *See—*
  - Schleppinghoff, Bernhard; Lux, Mathias; and Reinhardt, Horst, 4,804,704, Cl. 524-549.000.
- Lux nee Andrieux, Colette S. Article adapted to contain a sample of a fragrant substance. 4,847,124, 7-11-89, Cl. 428-34.200.
- Lux, Paul A.; and Mathis, Ronald F., to General Dynamics Electronics Division. Fiber optic linear position transducer. 4,871,907, 10-3-89, Cl. 250-227.000.
- Luxon, Bruce A., to American Cyanamid Company. Injection molding granules comprising copper coated fibers. 4,808,481, 2-28-89, Cl. 428-407.000.
- Luxon, Bruce A.; Murthy, Malalur V.; and Panasy, Craig W., to American Cyanamid Company. Elongated molding granules and injection-molding process employing them. 4,818,615, 4-4-89, Cl. 428-407.000.
- Luxtec Corporation: *See—*
  - Kloots, Jacobus; and Van Der Bel, Frans G., 4,797,736, Cl. 358-93.000.
- Luxton, Russell E.: *See—*
  - Shaw, Allan; and Luxton, Russell E., 4,876,858, Cl. 62-93.000.
- Luxton, Russell Estcourt: *See—*
  - Shaw, Allan; and Luxton, Russell E., 4,876,858, Cl. 62-93.000.
- Luxtron Corporation: *See—*
  - Sun, Mei H.; Wickersheim, Kenneth A.; and Heinemann, Stanley O., 4,883,354, Cl. 356-128.000.
  - Wickersheim, Kenneth A.; and Sun, Mei H., 4,859,079, Cl. 374-131.000.
- Luy, Johann-Friedrich: *See—*
  - Jorke, Helmut; and Luy, Johann-Friedrich, 4,857,972, Cl. 357-4.000.
- Luyckx, Marcel G. M.: *See—*
  - Stokbroekx, Raymond A.; Luyckx, Marcel G. M.; and Janssens, Frans E., 4,861,785, Cl. 514-321.000.
- Luyk, Harley E., to L.H.L. Incorporated. Table leg coupling assembly. 4,838,181, 6-13-89, Cl. 108-156.000.
- Luyties, William H., to Shell Offshore, Inc. Installation of multipiece jackets using mating pins. 4,854,779, 8-8-89, Cl. 405-205.000.
- Luyties, William H., to Shell Offshore, Inc. Installation of multipiece jackets using a lead docking pole. 4,867,611, 9-19-89, Cl. 405-209.000.
- Lvovich, Semyon: *See—*
  - Schwartz, Alexander; Lazar, Joseph; and Lvovich, Semyon, 4,826,508, Cl. 51-293.000.
- Ly-ying, Chen: *See—*
  - En-Jian, Chen; Zhaorong, Lin; and Ly-ying, Chen, 4,884,628, Cl. 165-104.270.
- Lyall, Lucian H., to Milfuse Systems, Inc. Plastic pipeline having rapidly fusible joints and method of making same. 4,852,914, 8-1-89, Cl. 285-21.000.
- Lyasko, Peter. Cover for a hydrant. 4,827,969, 5-9-89, Cl. 137-296.000.
- Lybarger, Robert: *See—*
  - Jordan, Chalmer; Connor, Lee; Lybarger, Robert; and Gutshall, Charles, 4,824,297, Cl. 408-217.000.
- Lybeck, Lynn V.: *See—*
  - Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Mallory, Chester L., 4,805,089, Cl. 364-188.000.
  - Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Mallory, Chester L., 4,843,538, Cl. 364-188.000.
  - Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Kumagi, Shoji, 4,873,623, Cl. 364-188.000.
- Lybecker, Robert W., to Bomar Corporation. Method for mounting gate opener. 4,850,094, 7-25-89, Cl. 29-434.000.
- Lycab AB: *See—*
  - Johansson, Bengt-Goran; Kreutz, Tomas; and Olausson, Bengt, 4,823,526, Cl. 52-220.000.
- Lycett, Norma. Hair curler system. 4,854,335, 8-8-89, Cl. 132-247.000.
- Lyco Manufacturing, Inc.: *See—*
  - Zittel, David R., 4,875,344, Cl. 62-381.000.
- Lydall, Inc.: *See—*
  - LaBonte, Robert J., 4,812,145, Cl. 29-623.100.
- Lyden, Thomas B., to Motorola, Inc. Semiconductor die bonding with conductive adhesive. 4,811,081, 3-7-89, Cl. 357-80.000.
- Lyding, Joseph W., to University of Illinois, The Board of Trustees of The. Variable temperature scanning tunneling microscope. 4,841,148, 6-20-89, Cl. 250-306.000.
- Lydon, Michael J. Automatic toilet seat lowering apparatus. 4,887,322, 12-19-89, Cl. 4-251.000.
- Lydtin, Hans-Jurgen: *See—*
  - Bachmann, Peter K.; Geittner, Peter E.; Lydtin, Hans-Jurgen; and Romanowski, Gerd, 4,885,018, Cl. 65-3.110.
  - Gartner, Georg F.; and Lydtin, Hans-Jurgen, 4,877,642, Cl. 427-38.000.
  - Geittner, Peter E. E.; Lydtin, Hans-Jurgen; and Wilson, Howard J. C., 4,857,091, Cl. 65-3.120.
- Lyerly, David M.: *See—*
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- Lyga, Thomas M.; and Ryckman, William D., Jr., to Black & Decker, Inc. Low-headroom popcorn popper. 4,881,457, 11-21-89, Cl. 99-323.500.
- Lykins, Rick L.: *See—*
  - Calvillo, Carlos P.; and Lykins, Rick L., 4,804,470, Cl. 210-232.000.
- Lyle, John W.: *See—*
  - Glowczewskie, Frank P., Jr.; Litwak, Alfred A.; Grooms, Jamie M.; and Lyle, John W., 4,863,473, Cl. 623-16.000.
- Lyle, Robert E., Jr.; and Hamil, Henry F., to Southwest Research Institute. Reactive surface for decontamination. 4,798,870, 1-17-89, Cl. 525-327.100.
- Lyle, Robert E., Jr.: *See—*
  - McMahon, William A., Jr.; Trujillo, David A.; and Lyle, Robert E., Jr., 4,885,327, Cl. 524-376.000.
  - Trujillo, David A.; McMahon, William A., Jr.; and Lyle, Robert E., Jr., 4,883,608, Cl. 252-189.000.
- Lyle, Robert L., to North American Philips Corporation. Duty cycle controller for horizontal synchronization signals in a television receiver. 4,876,463, 10-24-89, Cl. 307-265.000.

- Lyle, Steven A.: *See—*
    - Bookwalter, George N.; and Lyle, Steven A., 4,842,884, Cl. 426-585.000.
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    - Britcher, Susan F.; Thompson, Wayne J.; Lyle, Terry A.; and Varga, Sandor L., 4,870,079, Cl. 514-289.000.
    - Lamanec, Theresa R.; and Lyle, Terry A., 4,870,080, Cl. 514-289.000.
- Lyle, W. D., to Mobil Oil Corporation. Gravimetry logging. 4,809,545, 3-7-89, Cl. 73-151.000.
- Lyles, John C., to Multi-Shifter, Inc. Motion actuated connector apparatus. 4,795,358, 1-3-89, Cl. 439-247.000.
- Lyman, Carter: *See—*
    - Herbison, B. J.; Lyman, Carter; Karger, Paul; Mann, Bruce; Lipner, Steve; and Miller, Arnold, 4,881,263, Cl. 380-21.000.
- Lyman, George; and Mathus, Gregory, to Costar Corporation. Multichannel pipetter. 4,824,642, 4-25-89, Cl. 422-100.000.
- Lymburner, Robert K. Proximity switch for a cylinder. 4,803,318, 2-7-89, Cl. 200-82.00R.
- Lymburner, Robert K. Proximity switch for a cylinder. 4,879,440, 11-7-89, Cl. 200-82.00R.
- Lynam, Niall R.: *See—*
    - Moser, Frank H.; and Lynam, Niall R., 4,855,161, Cl. 427-108.000.
- Lynch, Arthur S.; and MacEachern, A. Walter, to Medical Parameters, Incorporated. Guidewire advancement system. 4,860,757, 8-29-89, Cl. 128-657.000.
- Lynch, Bobby R. Package with a crumb trap. 4,889,619, 12-26-89, Cl. 209-374.000.
- Lynch, Brian: *See—*
    - Baltzer, Gary L.; Lynch, Brian; and O'Brien, William D., Jr., 4,875,916, Cl. 65-2.000.
- Lynch, Carol J.; and Corday, Debbie J. Temporary detachable doorway screen apparatus. 4,874,028, 10-17-89, Cl. 160-332.000.
- Lynch, Cedric. Electrical machines. 4,823,039, 4-18-89, Cl. 310-268.000.
- Lynch, Daniel; and Hogan, James P., to Keptel, Inc. Loop status verification system. 4,864,598, 9-5-89, Cl. 379-6.000.
- Lynch, David L.; and Quesnel, Guy C., to Northern Telecom Limited. Variable gain encoder apparatus and method. 4,875,045, 10-17-89, Cl. 341-139.000.
- Lynch, Donald M.; and Appelbaum, Benjamin, to Warner-Lambert Company. Surfactant inhibition of dental plaque. 4,828,849, 5-9-89, Cl. 424-52.000.
- Lynch, Donald M.; and Appelbaum, Benjamin, to Warner-Lambert Company. Saccharide inhibition of dental plaque. 4,855,128, 8-8-89, Cl. 424-49.000.
- Lynch, Gary S.: *See—*
    - Faggin, Federico; and Lynch, Gary S., 4,802,103, Cl. 364-513.000.
- Lynch, Harold H. Mower attachment for a tractor. 4,869,056, 9-26-89, Cl. 56-15.200.
- Lynch, Henry E.: *See—*
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- Lynch, James E., to National-Oilwell. Support system for a top driven drilling unit. 4,809,792, 3-7-89, Cl. 175-113.000.
- Lynch, James E.; and Ford, David B., to National-Oilwell. Active counterbalance for a power swivel during well drilling. 4,813,498, 3-21-89, Cl. 175-113.000.
- Lynch, James E.: *See—*
    - Ford, David B.; Lynch, James E.; and Rateike, Leroy R., 4,877,093, Cl. 175-113.000.
- Lynch, James P. Siphon device for cleaning spas. 4,797,206, 1-10-89, Cl. 210-169.000.
- Lynch, James P. Support stand for pole-like objects. 4,801,123, 1-31-89, Cl. 248-524.000.
- Lynch, James P. Reinforcement member for an extendible scissors truss. 4,885,891, 12-12-89, Cl. 52-646.000.
- Lynch, John: *See—*
    - Bronstert, Bernd; Hoffmann, Gerhard; and Lynch, John, 4,816,379, Cl. 430-306.300.
- Lynch, John T.; and Hurford, Hadley M., Jr., to Mogul Corporation, The. Telemetry system for water and energy monitoring. 4,830,757, 5-16-89, Cl. 210-742.000.
- Lynch, Joseph A., to Nabisco Brands, Inc. Adjustable cam actuator. 4,796,522, 1-10-89, Cl. 99-450.400.
- Lynch, Matthew A. Security device. 4,826,298, 5-2-89, Cl. 350-403.000.
- Lynch, Michael B. Burner illuminator device. 4,878,832, 11-7-89, Cl. 431-120.000.
- Lynch, Michael J.: *See—*
    - Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.
- Lynch, Robert J.: *See—*
    - Kahn, Marvin L.; and Lynch, Robert J., 4,853,243, Cl. 426-564.000.
- Lynch, Robert P., to Lyntech Corporation. Reel type marine pipe laying apparatus with tension induced pipe straightening. 4,802,794, 2-7-89, Cl. 405-168.000.
- Lynch, Samuel E.: *See—*
    - Antoniades, Harry N.; Lynch, Samuel E.; and Williams, Ray C., 4,861,757, Cl. 514-21.000.
    - Antoniades, Harry N.; and Lynch, Samuel E., 4,874,746, Cl. 514-21.000.
- Lynch, Shannon J.: *See—*
    - Horst, Robert W.; Lynch, Shannon J.; Costantino, Cirillo L.; and Beirne, John M., 4,800,486, Cl. 364-200.000.
- Lynch, Thomas; and Montgelas, Rudolph A., to GTE Products Corporation. Fiber optic lens. 4,844,580, 7-4-89, Cl. 350-96.180.
- Lynch, Thomas J.: *See—*
    - Goldberg, Seymour; and Lynch, Thomas J., 4,845,337, Cl. 219-210.000.
- Lynch, Thomas M., to GTE Products Corporation. High density interconnect system. 4,838,800, 6-13-89, Cl. 439-78.000.
- Lynch, Thomas M.: *See—*
    - Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased; Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., 4,802,859, Cl. 439-74.000.
- Lynch, William M.: *See—*
    - Wilson, Robert S.; and Lynch, William M., 4,856,484, Cl. 134-525.000.
- Lynch, William T.; and Vratny, Frederick, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fabrication of FETs with source and drain contacts aligned with the gate electrode. 4,822,754, 4-18-89, Cl. 437-193.000.
- Lynch, William T.: *See—*
    - Chiu, Tzu-Yin; Chin, Gen M.; Hanson, Ronald C.; Lau, Maureen Y.; Lee, Kwing F.; Morris, Mark D.; Voshchenkov, Alexander M.; Kornblit, Avinoam; Lebowitz, Joseph; and Lynch, William T., 4,824,796, Cl. 437-57.000.
    - Hillenius, Steven J.; Lynch, William T.; and Manchanda, Lalita, 4,825,278, Cl. 357-53.000.
- Lynde, Gerald D.; Winterrowd, Kenneth W.; and Harvey, Harold H., Jr., to Tri-State Oil Tool Industries, Inc. Milling tool for cutting well casing. 4,796,709, 1-10-89, Cl. 166-55.600.
- Lynde, Gerald D.; and Price, James M., to Tri-State Oil Tool Industries, Inc. Cutting tool for cutting well casing. 4,887,668, 12-19-89, Cl. 166-55.800.
- Lyndon-James, Ross; Gnadinger, Alfred P.; Black, Donald L.; and de Araujo, Carlos P., to Ramtron Corporation. Timepiece communication system. 4,800,543, 1-24-89, Cl. 368-10.000.
- Lynes Holding S.A.: *See—*
    - Debetencourt, Jean, 4,884,705, Cl. 215-250.000.
- Lynk, Charles N., Jr.; and Schorman, Eric R., to Motorola, Inc. Transmission trunked radio system with voice buffering and off-line dialing. 4,821,310, 4-11-89, Cl. 379-63.000.
- Lynmour, Ltd.: *See—*
    - Tuhey, William, Jr., 4,834,164, Cl. 160-319.000.
- Lynn, Arthur E., Jr. Transfer case chain adjustment. 4,889,436, 12-26-89, Cl. 384-447.000.
- Lynn, Buddy E. Cue tip shaper. 4,827,618, 5-9-89, Cl. 30-3[illegible]000.
- Lynn, Gerald. Sheet retainer for waterbeds. 4,809,377, 3-7-89, Cl. 5-508.000.
- Lynn, Gordon E.: *See—*
    - Gatchel, Gary; Newgarden, Joseph E.; and Lynn, Gordon E., 4,844,458, Cl. 273-30.000.
    - Gatchel, Gary; Newgarden, Joseph E.; and Lynn, Gordon E., 4,854,588, Cl. 273-30.000.
- Lynn, Heloise B.: *See—*
    - Alford, Richard M.; Lynn, Heloise B.; and Thomsen, Leon A., 4,817,061, Cl. 361-75.000.
- Lynn, John D.; Jablonski, Charles E.; and Egan, Walter D., to Bethlehem Steel Corporation. Process for chemical stabilization of heavy metal bearing dusts and sludges as EAF dust. 4,840,671, 6-20-89, Cl. 106-85.000.
- Lynn, Lawrence A. Blood aspiration assembly and method. 4,838,855, 6-13-89, Cl. 604-49.000.
- Lynn, Scott: *See—*
    - Hanson, Donald N.; and Lynn, Scott, 4,879,042, Cl. 210-642.000.
- Lynn, Stephen R.: *See—*
    - Alberghini, Alfred C.; and Lynn, Stephen R., 4,804,097, Cl. 215-100.00A.
- Lynnes, Carman P.: *See—*
    - Mather, Joseph M.; Albright, Larry E.; Loraas, Orlan J.; Lynnes, Carman P.; and Schult, Leslie H., 4,815,550, Cl. 180-68.100.
- Lynnworth, Lawrence C.: *See—*
    - Smalling, Jack W.; Braswell, Leonard D.; and Lynnworth, Lawrence C., 4,856,321, Cl. 73-40.50A.
- Lynott, Guy W.: *See—*
    - George, Carroll H.; Lynott, Guy W.; and Pargellis, Andrew N., 4,812,101, Cl. 414-220.000.
- Lyntech Corporation: *See—*
    - Lynch, Robert P., 4,802,794, Cl. 405-168.000.
- Lynx Golf, Inc.: *See—*
    - Boone, David D., 4,883,275, Cl. 273-172.000.
- Lyobard, Rene: *See—*
    - Laurent, Claude; Rostaing, Paul; and Lyobard, Rene, 4,824,891, Cl. 524-264.000.
- Lyon, Donald A. Portable hand-operated stamps. 4,854,235, 8-8-89, Cl. 101-389.100.
- Lyon, James M.: *See—*
    - Cargile, William P.; Freeman, Richard D.; and Lyon, James M., 4,819,267, Cl. 380-23.000.
- Lyon, John E.: *See—*
    - Stahlheber, N. Earl; and Lyon, John E., 4,853,200, Cl. 423-309.000.
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- Lyon, Lawrence B.: *See—*
    - Syrinek, Allen R.; and Lyon, Lawrence B., 4,795,574, Cl. 252-8.551.
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    - Vos, Godfrey G.; Newman, Derek E.; and Lyon, Leland H., 4,846,634, Cl. 417-397.000.

- Lyon Metal Products, Incorporated: *See—*
    - Lannert, James W.; Studinski, Robert A.; and Walter, Florian A., 4,804,876, Cl. 312-221.000.
- Lyon, Richard E.: *See—*
    - Powell, Howard T.; Riley, Michael O.; Wolfe, Charles R.; Lyon, Richard E.; Campbell, John H.; Jessop, Edward S.; and Murray, James E., 4,849,036, Cl. 156-99.000.
- Lyon, Richard F.; and Schediwy, Richard R., to Schlumberger Systems and Services, Inc. Computer memory system. 4,796,227, 1-3-89, Cl. 365-154.000.
- Lyon, Richard K., to Energy and Environmental Research Corp. Methods for preventing formation of sulfuric acid and related products in combustion effluents. 4,849,192, 7-18-89, Cl. 423-235.000.
- Lyon, Richards P.: *See—*
    - Taylor, Terrence H. M.; and Lyon, Richards P., 4,869,266, Cl. 128-774.000.
- Lyon, William, to Plant-Tech, Inc. Combined platform and capillary mat for plant tender device and method of manufacture. 4,807,394, 2-28-89, Cl. 47-79.000.
- Lyonnaise des Eaux: *See—*
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- Lyons, Dale R.; Wills, David C.; and Heys, George, Jr., to NCR Corporation. Theft proof cash drawer assembly. 4,803,346, 2-7-89, Cl. 235-7.00R.
- Lyons, Dale R.; Lawter, Raymond L.; and Beam, Don E., to NCR Corporation. Cash drawer release mechanism. 4,811,571, 3-14-89, Cl. 70-85.000.
- Lyons, Dale R.; and Beam, Don E., to NCR Corporation. Anti-jamming up device for a drawer. 4,873,850, 10-17-89, Cl. 70-85.000.
- Lyons, Donald R.: *See—*
    - Keck, Donald B.; Lyons, Donald R.; and Nolan, Daniel A., 4,799,949, Cl. 65-3.120.
- Lyons Eye Institute of Western Australian Incorporated: *See—*
    - Cuypers, Maximiliaan Joseph Hubertus, 4,838,678, Cl. 351-205.000.
- Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., to Sun Refining and Marketing Company. Alkane oxidation catalysts. 4,803,187, 2-7-89, Cl. 502-200.000.
- Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., to Sun Refining and Marketing Company. Oxidation of alkanes. 4,859,798, 8-22-89, Cl. 568-399.000.
- Lyons, Jerry L.; and Tayon, Keith, to Essex Industries, Inc. Auxiliary remote valve actuator. 4,811,752, 3-14-89, Cl. 137-77.000.
- Lyons, Jerry L., to Essex Industries, Inc. Automatic valve actuator. 4,817,658, 4-4-89, Cl. 137-75.000.
- Lyons, John: *See—*
    - Hinden, Milton; and Lyons, John, 4,861,631, Cl. 428-34.500.
- Lyons, Julie W.; Battrell, Charles F.; Ouellette, William R.; and Curro, John J., to Procter & Gamble Company, The. Substantially fluid-impervious microbubbled polymeric web exhibiting low levels of noise when subjected to movement. 4,846,821, 7-11-89, Cl. 604-369.000.
- Lyons, Kent A.: *See—*
    - Zipps, Robert H.; Lyons, Kent A.; and Griffin, Evans E., 4,798,519, Cl. 416-191.000.
- Lyons, Larry A.; Davis, Dwight P.; and Swered, Paul, to Betz Laboratories, Inc. Method for controlling macroinvertebrates. 4,816,163, 3-28-89, Cl. 210-698.000.
- Lyons, Larry A.; Davis, Dwight P.; and Swered, Paul, to Betz Laboratories, Inc. Method for controlling macroinvertebrates. 4,857,209, 8-15-89, Cl. 210-755.000.
- Lyons, Robert, Sr., to Bilco Company, The. Torque rod operated counterbalancing hinge and door assembly. 4,873,791, 10-17-89, Cl. 49-386.000.
- Lyons, Robert E.: *See—*
    - Rich, Douglas A.; Rick, Paul N.; Bournias, James N.; and Lyons, Robert E., 4,885,010, Cl. 55-241.000.
- Lyons, Terry G.: *See—*
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- Lyons, Todd G., to Powder Blue U.S.A., Inc. Eyeglass retainer. 4,818,094, 4-4-89, Cl. 351-157.000.
- Lyons, Walter R., Jr.: *See—*
    - Meyer, George R.; and Lyons, Walter R., Jr., 4,863,487, Cl. 44-63.000.
- Lyons, William G. Taped troughs for wet removal of asbestos. 4,800,908, 1-31-89, Cl. 134-201.000.
- Lyons, William G. Process for removing asbestos using taped troughs. 4,803,771, 2-14-89, Cl. 29-426.400.
- Lyons, William G. Troughs for wet removal of asbestos from piping. 4,815,488, 3-28-89, Cl. 134-201.000.
- Lyons, William G. Method for wet removal of asbestos insulation. 4,821,397, 4-18-89, Cl. 29-426.400.
- Lyphomed, Inc.: *See—*
    - Alam, Abu S.; Koziol, Kenneth J.; and Kapoor, John N., 4,879,286, Cl. 514-110.000.
    - Alam, Abu S.; Joshi, Utpal G.; Mehta, Jairaj U.; Sayeed, Fakrul A. A.; and Kapoor, John N., 4,879,308, Cl. 514-509.000.
- Lyr, Horst: *See—*
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- Lyras, Gus G.: *See—*
    - Lyras, Louis G.; and Lyras, Gus G., 4,854,419, Cl. 182-129.000.
- Lyras, Louis G.; and Lyras, Gus G. Particulate containment control method and platform device. 4,854,419, 8-8-89, Cl. 182-129.000.
- Lyren, Robert E.: *See—*
    - Rinker, Carl G.; Lyren, Robert E.; and Repasky, Ray M., 4,827,902, Cl. 126-548.000.
- Lysaght, Michael J.; Boggs, Daniel R.; and Ritger, Philip L., to Baxter International Inc. System for generating substantially constant fluid pressure. 4,842,576, 6-27-89, Cl. 604-6.000.
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- Lysen, Claes G., to Kamyr AB. Apparatus for electromagnetically measuring the distance between two opposing grinding surfaces. 4,804,912, 2-14-89, Cl. 324-207.000.
- Lysen, Heinrich; Busch, Dieter; and Wagner, Karl. Device for determining and monitoring changes in the position of shafts. 4,864,148, 9-5-89, Cl. 250-561.000.
- Lysenko, Zenon, to Dow Chemical Company, The. Preparation of 3-amino-4-hydroxybenzoic acids. 4,835,306, 5-30-89, Cl. 562-453.000.
- Lystad, Garr S.: *See—*
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    - Broze, Guy; and Lysy, Regis, 4,800,038, Cl. 252-174.170.
- Lytel Corporation: *See—*
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    - Wilson, Randall B., 4,798,812, Cl. 437-119.000.
- Lythcke-Jorgensen, Jan: *See—*
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- Lytle, Thomas G., to Burndy Corporation. Vertical edge card connectors. 4,846,734, 7-11-89, Cl. 439-637.000.
- Lyttle, Kevin A.: *See—*
    - Cherne, Lawrence W.; and Lyttle, Kevin A., 4,871,898, Cl. 219-137.00R.
- Lyttle, William J.; and Kitchen, Stephen, to Haigh-Chadwick Limited. Method and apparatus for controlling the operation of a spiked sheet advancing relatively to a compactable mass. 4,827,424, 5-2-89, Cl. 364-470.000.
- Lyu, Keun Chul. Exercising apparatus for adjusting intervertebral disc and articulations clearances. 4,860,734, 8-29-89, Cl. 128-57.000.
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- Lyyra, Matti, to Vaisala Oy. Method of and arrangement for accurately measuring low capacitances. 4,849,686, 7-18-89, Cl. 324-60.00R.
- Lyytinen, Markku, to Valmet Oy. Paper machine headbox and approach flow system. 4,804,441, 2-14-89, Cl. 162-212.000.
- Lyytinen, Markku, to Valmet Oy. Method and apparatus for compensating deflection of a lip beam in a paper machine. 4,832,794, 5-23-89, Cl. 162-198.000.
- Lyzohub, Walter A., to Chrysler Motors Corporation. Fuel tank with bladder. 4,852,765, 8-1-89, Cl. 220-461.000.

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